BRUNSWICK COUNTY NC GOVERNMENT

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

Issue Date/ Description: 02/06/2026 : PERMIT PRINTING
MPS Project No: 024370.01





OWNER

BRUNSWICK COUNTY NC GOVERNMENT
30 GOVERNMENT CENTER DRIVE NE
P. O. BOX 249
BOLIVIA, NC 28422

WILLIAM L. PINNIX
P: 910.253.2408
E: WILLIAM.PINNIX@BRUNSWICKCOUNTYNC.GOV

GENERAL CONTRACTOR

EDIFICE, LLC
4111 SOUTH BOULEVARD (28209)
POST OFFICE BOX 36349
CHARLOTTE, NORTH CAROLINA 28209
704.332.0900
EDIFICEINC.COM

TIM BENDER
P: 704.332.0900
E: TBENDER@EDIFICEINC.COM

ARCHITECT

McMILLAN PAZDAN SMITH ARCHITECTURE
1422 S TRYON ST SUITE 700
CHARLOTTE, NC 28203
980.201.3035

LISA M. CONNELL
P: 704.817.8280
E: LCHOWELL@MCMILLANPAZDANSMITH.COM

CIVIL

TUNSTALL ENGINEERS
2602 IRON GATE DRIVE
SUITE 102
WILMINGTON, N.C. 28412
P: 910-343-9653
TUNSTALLENGINEEERS.COM

JOHN TUNSTALL
E: JTUNSTALL@TUNSTALLENGINEERS.COM

LANDSCAPE

TIMMONS GROUP
610 E MOREHEAD ST
SUITE 250
CHARLOTTE, NC 28202
919-532-3252
TIMMONS.COM

KEVIN BARNES, PLA
P: 919-532-3252
E: KEVIN.BARNES@TIMMONS.COM

STRUCTURAL

STEWART
101 N. TRYON STREET, SUITE 1400
CHARLOTTE, NC 28202
704.334.7925
WEARESTEWART.COM

TRINA AGNELLO, PE, LEED AP
P: 704.909.3520
E: TAGNELLO@STEWARTINC.COM

MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE PROTECTION

CBHF ENGINEERS, PLLC
2246 YAUPON DR.
WILMINGTON, NC 28401

PLUMBING:
BRENT STANLEY
(910) 791-4000 X125
BSTANLEY@CBHFENGINEERS.COM

MECHANICAL:
TROY GRADY
P: (910) 791-4000 X116
E: TGRADY@CBHFENGINEERS.COM

ELECTRICAL:
JASON FAMIGLIETTI
P: (910) 791-4000 X137
E: JFAM@CBHFENGINEERS.COM

FIRE PROTECTION:
SEAN VIZGIRDA
SUMMIT FIRE CONSULTING
P: (859) 912-2467
E: SVIZGIRDA@SUMMITFIRECONSULTING.COM

INTERIOR DESIGN

McMILLAN PAZDAN SMITH ARCHITECTURE
1422 S TRYON ST SUITE 700
CHARLOTTE, NC 28203
980.201.3035

ERIKA HILL
P: 980.423.1643
E: EHILL@MCMILLANPAZDANSMITH.COM



PROJECT NORTH

SITE MAP



PROJECT NORTH

VICINITY MAP

PROJECT SUMMARY

THE SCOPE INCLUDES A NEW FREESTANDING ±136,000 SF, 4 STORY, GOVERNMENT SERVICE BUILDING FOR BRUNSWICK COUNTY AND SUPPORTING SITE WORK.

THE BUILDING WILL PROVIDE OFFICE AND CLINIC SPACES FOR VARIOUS COUNTY AGENCIES. THE BUILDING WILL ALSO CONTAIN THE COUNTY'S EMERGENCY OPERATION CENTER ON THE 4TH FLOOR.

THE STEEL FRAMED STRUCTURE WILL BE CLAD WITH BRICK VENEER, MCM PANELS, AND CONCRETE PANELS. THERE IS A MIX OF ALUMINUM STOREFRONT AND ALUMINUM CURTAIN WALL FOR THE WINDOW SYSTEMS.

THE BUILDING WILL BE SERVED BY AN EMERGENCY ELECTRICAL GENERATOR THAT WILL PROVIDE 100% POWER FOR THE FACILITY WHEN NEEDED.

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE; THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SHALL ACCURATELY DESTROYED TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

A 02/06/26 1:45:17 AM - Andrew.Bow:\PROJECTS\@ Brunswick County Health & Human Services\MPS_Brunswick County Health and Human Services_R25.rvt

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERT. NO. 54314 REGISTERED ARCHITECTURAL CORPORATION CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 37105 LISA MARIE CONNELL ARCHITECT 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/26	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: S. HORNYAK

SHEET TITLE:
COVER SHEET

SHEET NO. G001
PROJ. NO. 024370.01

BRUNSWICK COUNTY NC GOVERNMENT

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

Issue Date/ Description: 02/06/2026: PERMIT SET
MPS Project No: 024370.01

GENERAL

SHEET NO	SHEET NAME	Sheet Issue Date
GENERAL		
G001	COVER SHEET	12/18/25
G002	SHEET INDEX	12/18/25
G003	CODE SUMMARY / UL DETAILS	12/18/25
G004.1	UL U465	12/18/25
G004.2	UL U411	12/18/25
G004.3	UL U415	12/18/25
G004.5	UL U905	12/18/25
G004.6	UL U469 & AER-09038	12/18/25
G010	ALLOWABLE OPENING CALCULATIONS	12/18/25
G011	ALLOWABLE OPENING CALCULATIONS	12/18/25
G013	ALLOWABLE OPENING CALCULATIONS	12/18/25
G110	LEVEL 01 LIFE SAFETY PLAN	12/18/25
G111	LEVEL 02 LIFE SAFETY PLAN	12/18/25
G112	LEVEL 03 LIFE SAFETY PLAN	12/18/25
G113	LEVEL 04 LIFE SAFETY PLAN	12/18/25
G120	SPRAY APPLIED FIREPROOFING - LEVEL 01 RCP	12/18/25
G121	SPRAY APPLIED FIREPROOFING - LEVEL 04 RCP	12/18/25
A G130	ENERGY ANALYSIS	04/02/26

CIVIL

SHEET NO	SHEET NAME	Sheet Issue Date
CIVIL		
C0	COVER SHEET	02/06/26
C0.1	SURVEY SHEET (TIMMONS GROUP)	02/06/26
C0.2	TREE SURVEY (TIMMONS GROUP)	02/06/26
C1	OVERALL SITE PLAN	02/06/26
I1	SITE INVENTORY PLAN	02/06/26
C2	TREE REMOVAL & DEMOLITION PLAN	02/06/26
EC1	EROSION CONTROL PHASE 1	03/18/26
C3.1	GRADING DRAINAGE & EROSION CONTROL	02/06/26
C3.2	GRADING DRAINAGE & EROSION CONTROL	02/06/26
C4.1	DRAINAGE AREA PLAN	02/06/26
C4.2	DRAINAGE AREA PLAN	02/06/26
C4.3	OVERALL DRAINAGE AREA PLAN	02/06/26
C5.1	UTILITY PLAN	02/06/26
C5.2	UTILITY PLAN	02/06/26
PR0	PROFILE OVERVIEW	02/06/26
PR1	UTILITY PROFILE 1	02/06/26
C6.1	LAYOUT PLAN	02/06/26
C6.2	LAYOUT PLAN	02/06/26
C6.3	ROUNDABOUT DESIGN DETAILS	02/06/26
C6.4	TRUCK TURN PLAN	02/06/26
C7.0	NOTES & DETAILS	02/06/26
C7.1	NOTES & DETAILS	02/06/26
C7.2	NOTES & DETAILS	02/06/26
C7.3	NOTES & DETAILS	02/06/26
C7.4	NOTES & DETAILS	02/06/26
C7.5	NOTES & DETAILS	02/06/26
C7.6	NOTES & DETAILS	02/06/26
C8.0	NOTES & DETAILS	02/06/26
C8.1	NOTES & DETAILS	02/06/26

LANDSCAPE

SHEET NO	SHEET NAME	Sheet Issue Date
LANDSCAPE		
L0.0	SELECTIVE SITE DEMOLITION	02/06/26
L1.0	OVERALL LANDSCAPE PLAN	02/06/26
L1.1	WEST LANDSCAPE PLAN	02/06/26
L1.2	EAST LANDSCAPE PLAN	02/06/26
L2.0	LANDSCAPE NOTES & DETAILS	02/06/26
L3.0	HARDSCAPE PLAN INSERT & NOTES	02/06/26
L3.1	SURFACE MATERIALS PLAN	02/06/26
L3.2.	HARDSCAPE NOTES& DETAILS	02/06/26

STRUCTURAL

SHEET NO	SHEET NAME	Sheet Issue Date
S001	GENERAL NOTES	02/06/2026
S002	ABBREVIATIONS AND SYMBOLS	02/06/2026
S011	STATEMENT OF SPECIAL INSPECTIONS	02/06/2026
S012	STATEMENT OF SPECIAL INSPECTIONS	02/06/2026
S100	FOUNDATION IMPROVEMENT PLAN	02/06/2026
S111A	FOUNDATION PLAN - AREA A	02/06/2026
S111B	FOUNDATION PLAN - AREA B	02/06/2026
S121A	LEVEL 2 FRAMING PLAN - AREA A	02/06/2026
S121B	LEVEL 2 FRAMING PLAN - AREA B	02/06/2026
S131A	LEVEL 3 FRAMING PLAN - AREA A	02/06/2026
S131B	LEVEL 3 FRAMING PLAN - AREA B	02/06/2026
S141A	LEVEL 4 FRAMING PLAN - AREA A	02/06/2026
S141B	LEVEL 4 FRAMING PLAN - AREA B	02/06/2026
S151A	ROOF FRAMING PLAN - AREA A	02/06/2026
S151B	ROOF FRAMING PLAN - AREA B	02/06/2026
S152	ROOF JOIST LOADING PLAN	02/06/2026
S201	WALL SECTIONS	02/06/2026
S202	WALL SECTIONS	02/06/2026
S203	WALL SECTIONS	02/06/2026
S204	WALL SECTIONS	02/06/2026
S251	VERTICAL FRAME DETAILS	02/06/2026
S252	VERTICAL FRAME ELEVATIONS	02/06/2026
S253	VERTICAL FRAME ELEVATIONS	02/06/2026
S254	VERTICAL FRAME ELEVATIONS	02/06/2026
S255	VERTICAL FRAME ELEVATIONS	02/06/2026
S301	SLAB ON GRADE DETAILS	02/06/2026
S302	FOUNDATION DETAILS	02/06/2026
S303	FOUNDATION DETAILS	02/06/2026
S401	CMU DETAILS	02/06/2026
S402	CMU DETAILS	02/06/2026
S501	STEEL COLUMN DETAILS AND SCHEDULES	02/06/2026
S502	STEEL FRAMING DETAILS	02/06/2026
S503	STEEL FRAMING DETAILS	02/06/2026
S504	STEEL FRAMING DETAILS	02/06/2026
S505	FLOOR FRAMING SECTIONS	02/06/2026
S506	FLOOR FRAMING SECTIONS	02/06/2026
S507	FLOOR FRAMING SECTIONS	02/06/2026
S521	STEEL ROOF DETAILS	02/06/2026
S522	ROOF FRAMING SECTIONS	02/06/2026

ARCHITECTURAL

SHEET NO	SHEET NAME	Sheet Issue Date
ARCHITECTURAL		
A001	ABBREVIATION, SYMBOLS AND LEGENDS	02/06/26
A002	EXTERIOR ASSEMBLIES	02/06/26
A003	HORIZONTAL ASSEMBLIES	02/06/26
A004	PARTITION TYPES	02/06/26
A010	ARCHITECTURAL SITE PLAN	02/06/26
A011	GENERATOR / DUMPSTER DETAILS	02/06/26
A011A	GENERATOR / DUMPSTER DETAILS	02/06/26
A012	SIGNS, MARKERS, AND DETAILS	02/06/26
A110	LEVEL 1 OVERALL PLAN	02/06/26
A111A	LEVEL 1 ANNOTATION/ DIMENSION PLAN - AREA A	02/06/26
A111B	LEVEL 1 ANNOTATION/ DIMENSION PLAN - AREA B	02/06/26
A115A	LEVEL 1 FLOOR FINISH PLAN - AREA A	02/06/26
A115B	LEVEL 1 FLOOR FINISH PLAN - AREA B	02/06/26
A116A	LEVEL 1 WALL FINISH PLAN - AREA A	02/06/26
A116B	LEVEL 1 WALL FINISH PLAN - AREA B	02/06/26
A119	LEVEL 1 FFE PLAN	02/06/26
A120	LEVEL 2 OVERALL PLAN	02/06/26
A121A	LEVEL 2 ANNOTATION/ DIMENSION PLAN - AREA A	02/06/26
A121B	LEVEL 2 ANNOTATION/ DIMENSION PLAN - AREA B	02/06/26
A125A	LEVEL 2 FLOOR FINISH PLAN - AREA A	02/06/26
A125B	LEVEL 2 FLOOR FINISH PLAN - AREA B	02/06/26
A126A	LEVEL 2 WALL FINISH PLAN - AREA A	02/06/26
A126B	LEVEL 2 WALL FINISH PLAN - AREA B	02/06/26
A129	LEVEL 2 FFE PLAN	02/06/26
A130	LEVEL 3 OVERALL PLAN	02/06/26
A131A	LEVEL 3 ANNOTATION/ DIMENSION PLAN-AREA A	02/06/26
A131B	LEVEL 3 ANNOTATION/ DIMENSION PLAN - AREA B	02/06/26
A135A	LEVEL 3 FLOOR FINISH PLAN - AREA A	02/06/26
A135B	LEVEL 3 FLOOR FINISH PLAN - AREA B	02/06/26
A136A	LEVEL 3 WALL FINISH PLAN - AREA A	02/06/26
A136B	LEVEL 3 WALL FINISH PLAN - AREA B	02/06/26
A139	LEVEL 3 FFE PLAN	02/06/26
A140	LEVEL 4 OVERALL PLAN	02/06/26
A141A	LEVEL 4 ANNOTATION/ DIMENSION PLAN - AREA A	02/06/26
A141B	LEVEL 4 ANNOTATION/ DIMENSION PLAN - AREA B	02/06/26
A145A	LEVEL 4 FLOOR FINISH PLAN -AREA A	02/06/26
A145B	LEVEL 4 FLOOR FINISH PLAN -AREA B	02/06/26
A146A	LEVEL 4 WALL FINISH PLAN -AREA A	02/06/26
A146B	LEVEL 4 WALL FINISH PLAN -AREA B	02/06/26
A149	LEVEL 4 FFE PLAN	02/06/26
A150	ROOF OVERALL PLAN	02/06/26
A210	LEVEL 1 OVERALL RCP	02/06/26
A211A	LEVEL 1 RCP - AREA A	02/06/26
A211B	LEVEL 1 RCP - AREA B	02/06/26
A220	LEVEL 2 OVERALL RCP	02/06/26
A221	LEVEL 2 RCP - AREA A	02/06/26
A222	LEVEL 2 RCP - AREA B	02/06/26
A230	LEVEL 3 OVERALL RCP	02/06/26
A231	LEVEL 3 RCP - AREA A	02/06/26
A232	LEVEL 3 RCP - AREA B	02/06/26
A240	LEVEL 4 OVERALL RCP	02/06/26
A241	LEVEL 4 RCP - AREA A	02/06/26
A242	LEVEL 4 RCP - AREA B	02/06/26
A300	OVERALL BUILDING ELEVATIONS	02/06/26
A301	OVERALL BUILDING ELEVATIONS	02/06/26
A302	ENLARGED SIGNAGE ELEVATIONS	02/06/26
A303	BUILDING PERSPECTIVES AND PANEL ELEVATIONS	02/06/26
A320	OVERALL BUILDING SECTIONS	02/06/26
A330	WALL SECTIONS	02/06/26
A331	WALL SECTIONS	02/06/26
A332	WALL SECTIONS	02/06/26
A340	SECTION DETAILS @ ROOF CONDITIONS	02/06/26
A341	SECTION DETAILS @ SUNSHADES AND CANOPY	02/06/26
A342	SECTION DETAILS @ CANOPY	02/06/26
A360	PLAN DETAILS	02/06/26
A361	PLAN DETAILS	02/06/26
A362	PLAN DETAILS	02/06/26
A400	ENLARGED PLANS & ELEVATIONS - LOBBY	02/06/26
A401	ENLARGED PLANS & ELEVATIONS - WIC	02/06/26
A402	ENLARGED PLANS & ELEVATIONS - ENVIRONMENTAL HEALTH	02/06/26
A403	ENLARGED PLANS & ELEVATIONS - VETERANS	02/06/26
A404	ENLARGED PLANS & ELEVATIONS - CLINIC	02/06/26
A405	ENLARGED PLANS & ELEVATIONS - LAB	02/06/26
A406	ENLARGED PLANS & ELEVATIONS - CLINIC	02/06/26
A407	ENLARGED PLANS & ELEVATIONS - CLINIC	02/06/26
A408	ENLARGED PLANS & ELEVATIONS - CLINIC	02/06/26
A409	ENLARGED PLANS & ELEVATIONS - CLINIC	02/06/26
A410	ENLARGED PLANS & ELEVATIONS - CLINIC SUPPORT & VITAL RECORDS	02/06/26
A411	ENLARGED PLANS & ELEVATIONS - LEVEL 2 AREA A	02/06/26
A412	ENLARGED PLANS & ELEVATIONS - LEVEL 2 AREA B	02/06/26
A413	ENLARGED PLANS & ELEVATIONS - LEVEL 3 SW	02/06/26
A414	ENLARGED PLANS & ELEVATIONS - LEVEL 4 KITCHEN	02/06/26
A415	ENLARGED PLAN- LEVEL 4 EOC	02/06/26
A416	ENLARGED PLANS & ELEVATIONS - LEVEL 4 EOC	02/06/26
A417	ENLARGED PLANS & ELEVATIONS - LEVEL 4 EOC	02/06/26
A418	ENLARGED PLANS & ELEVATIONS - LEVEL 4 EOC	02/06/26
A419	ENLARGED PLANS& ELEVATIONS - LOBBY	02/06/26
A421	ENLARGED TLT PLANS, ELEVATIONS, MOUNTING LEGEND & ACCESSORY SCHEDULE	02/06/26
A422	ENLARGED RESTROOM PLANS & ELEVATIONS	02/06/26
A423	ENLARGED RESTROOM PLANS & ELEVATIONS	02/06/26
A424	ENLARGED RESTROOM PLANS & ELEVATIONS	02/06/26
A450	ENLARGED RCPS	02/06/26
A501	STAIR PLANS - STAIR 1	02/06/26
A502	STAIR PLANS - STAIR 2	02/06/26
A503	STAIR PLANS - STAIR 3	02/06/26
A504	STAIR PLANS - STAIR 4	02/06/26
A505	STAIR AND RAMP DETAILS	02/06/26
A510	ELEVATORS 1 & 2 PLANS AND SECTION	02/06/26
A511	ELEVATOR 3 PLANS AND SECTION	02/06/26
A610	ROOF DETAILS	02/06/26
A611	ROOF DETAILS	02/06/26
A612	CEILING DETAILS	02/06/26
A613	CEILING DETAIL	02/06/26
A614	CEILING DETAILS	02/06/26
A620	CASEWORK / MILLWORK	02/06/26
A621	CASEWORK / MILLWORK	02/06/26
A622	CASEWORK / MILLWORK	02/06/26
A650	LOBBY DETAILS	02/06/26
A651	LOBBY DETAILS	02/06/26
A800A	DOOR SCHEDULE- EXTERIOR & LEVEL 1	02/06/26
A800B	DOOR SCHEDULE - LEVELS 2 & 3	02/06/26
A800C	DOOR SCHEDULE - LEVEL 4 & BARN DOOR DETAILS	02/06/26
A801	DOOR FRAME ELEVATIONS & TYPES	02/06/26
A811	WINDOW AND LOUVER TYPES	02/06/26
A811A	SUNSHADE TYPES AND DETAILS	02/06/26
A812	CURTAIN WALL TYPES	02/06/26
A813	CURTAIN & STOREFRONT WALL TYPES	02/06/26
A814	WINDOW HEAD, JAMB & SILL DETAILS	02/06/26
A815	WINDOW HEAD, JAMB & SILL DETAILS	02/06/26
A821	INTERIOR STOREFRONT TYPES	02/06/26
A840	FINISH LEGEND & INFORMATION	02/06/26
A841	MISC INTERIOR AND FINISH DETAILS	02/06/26
A901	BRICK PROFILES	02/06/26
A991A	LEVEL 1 EQUIPMENT PLAN AND SCHEDULE -AREA A	02/06/26
A991B	LEVEL 1 EQUIPMENT PLAN AND SCHEDULE - AREA B	02/06/26
A992A	LEVEL 2 EQUIPMENT PLAN AND SCHEDULE - AREA A	02/06/26
A992B	LEVEL 2 EQUIPMENT PLAN AND SCHEDULE - AREA B	02/06/26
A993A	LEVEL 3 EQUIPMENT PLAN AND SCHEDULE - AREA A	02/06/26
A993B	LEVEL 3 EQUIPMENT PLAN AND SCHEDULE - AREA B	02/06/26
A994A	LEVEL 4 EQUIPMENT PLAN AND SCHEDULE - AREA A	02/06/26
A994B	LEVEL 4 EQUIPMENT PLAN AND SCHEDULE - AREA B	02/06/26

AV CONSULTANT

SHEET NO	SHEET NAME	Sheet Issue Date
T-001	TELECOM - GENERAL NOTES	02/06/26
T-002	TELECOM - SYMBOL LEGEND	02/06/26
TN101	TELECOM - LEVEL 1 PATHWAY PLAN	02/06/26
TN101A	TELECOM - LEVEL 1 FLOORPLAN - AREA A	02/06/26
TN101B	TELECOM - LEVEL 1 FLOORPLAN - AREA B	02/06/26
TN102	TELECOM - LEVEL 2 PATHWAY PLAN	02/06/26
TN102A	TELECOM - LEVEL 2 PATHWAY PLAN - AREA A	02/06/26
TN102B	TELECOM - LEVEL 2 PATHWAY PLAN - AREA B	02/06/26
TN103	TELECOM - LEVEL 3 PATHWAY PLAN	02/06/26
TN103A	TELECOM - LEVEL 3 PATHWAY PLAN - AREA A	02/06/26
TN103B	TELECOM - LEVEL 3 PATHWAY PLAN - AREA B	02/06/26
TN104	TELECOM - LEVEL 4 PATHWAY PLAN	02/06/26
TN104A	TELECOM - LEVEL 4 PATHWAY PLAN - AREA A	02/06/26
TN104B	TELECOM - LEVEL 4 PATHWAY PLAN - AREA B	02/06/26
TN401	ENLARGED PLANS	02/06/26
TN402	ENLARGED PLANS	02/06/26
TN501	TELECOM DETAILS	02/06/26
TN502	TELECOM DETAILS	02/06/26
TN601	TELECOM - RISERS	02/06/26
TA101A	AUDIO VISUAL - LEVEL 1 FLOOR PLAN - AREA A	02/06/26
TA101B	AUDIO VISUAL - LEVEL 1 FLOOR PLAN - AREA B	02/06/26
TA102A	AUDIO VISUAL - LEVEL 2 FLOOR PLAN - AREA A	02/06/26
TA102B	AUDIO VISUAL - LEVEL 2 FLOOR PLAN - AREA B	02/06/26
TA103A	AUDIO VISUAL - LEVEL 3 FLOOR PLAN - AREA A	02/06/26
TA103B	AUDIO VISUAL - LEVEL 3 FLOOR PLAN - AREA B	02/06/26
TA104A	AUDIO VISUAL - LEVEL 4 FLOOR PLAN - AREA A	02/06/26
TA104B	AUDIO VISUAL - LEVEL 4 FLOOR PLAN - AREA B	02/06/26
TA501	AUDIO VISUAL - DETAILS	02/06/26
TA502	AUDIO VISUAL - DETAILS	02/06/26
TA503	AUDIO VISUAL - DETAILS	02/06/26
TS101	TELECOM - SITE PLAN	02/06/26
TY101A	SECURITY - LEVEL 1 FLOOR PLAN - AREA A	02/06/26
TY101B	SECURITY - LEVEL 1 FLOOR PLAN - AREA B	02/06/26
TY102A	SECURITY - LEVEL 2 FLOOR PLAN - AREA A	02/06/26
TY102B	SECURITY - LEVEL 2 FLOOR PLAN - AREA B	02/06/26
TY103A	SECURITY - LEVEL 3 FLOOR PLAN - AREA A	02/06/26
TY103B	SECURITY - LEVEL 3 FLOOR PLAN - AREA B	02/06/26
TY104A	SECURITY - LEVEL 4 FLOOR PLAN - AREA A	02/06/26
TY104B	SECURITY - LEVEL 4 FLOOR PLAN - AREA B	02/06/26
TY501	SECURITY DETAILS	02/06/26

FIRE PROTECTION

SHEET NO	SHEET NAME	Sheet Issue Date
FP001	GENERAL FIRE SPRINKLER NOTES	05/28/19
FP002	SITE PLAN	05/28/19
FP101	LEVEL 1 FIRE SPRINKLER PLAN	05/28/19
FP102	LEVEL 2 FIRE SPRINKLER PLAN	05/28/19
FP103	LEVEL 3 FIRE SPRINKLER PLAN	05/28/19
FP104	LEVEL 4 FIRE SPRINKLER PLAN	05/28/19
FP201	FIRE SPRINKLER RISER/PUMP ROOM PLAN AND DETAILS	05/28/19

FIRE ALARM

SHEET NO	SHEET NAME	Sheet Issue Date
FIRE ALARM		
FA001	FIRE ALARM GENERAL INFORMATION	02/06/2026
FA111A	FIRE ALARM LEVEL 01 - PLAN - AREA A	02/06/2026
FA111B	FIRE ALARM LEVEL 01 - PLAN - AREA B	02/06/2026
FA121A	FIRE ALARM LEVEL 02 - PLAN - AREA A	02/06/2026
FA121B	FIRE ALARM LEVEL 02 - PLAN - AREA B	02/06/2026
FA131A	FIRE ALARM LEVEL 03 - PLAN - AREA A	02/06/2026
FA131B	FIRE ALARM LEVEL 03 - PLAN - AREA B	02/06/2026
FA141A	FIRE ALARM LEVEL 04 - PLAN - AREA A	02/06/2026
FA141B	FIRE ALARM LEVEL 04 - PLAN - AREA B	02/06/2026
FA151A	FIRE ALARM ROOF - PLAN - AREA A	02/06/2026
FA151B	FIRE ALARM ROOF - PLAN - AREA B	02/06/2026
FA501	FIRE ALARM DETAILS	02/06/2026
FA601	FIRE ALARM FUNCTIONAL RISER DIAGRAM	02/06/2026

PLUMBING

SHEET NO	SHEET NAME	Sheet Issue Date
PLUMBING		
P100	-insert consultant sheet name-	02/06/20
P-001	PLUMBING LEGEND, ABBRS, NOTES, AND SCHEDULES	02/06/2026
P-002	PLUMBING SCHEDULES AND NATURAL GAS RISER	02/06/2026
P-401	ENLARGED PLANS	02/06/2026
P-402	ENLARGED PLANS	02/06/2026
P-403	ENLARGED PLANS	02/06/2026
P-404	ENLARGED PLANS	02/06/2026
P-501	PLUMBING DETAILS	02/06/2026
P-502	PLUMBING U.L. PENETRATION DETAILS	02/06/2026
P-601	PLUMBING RISER DIAGRAMS	02/06/2026
P-602	PLUMBING RISER DIAGRAMS	02/06/2026
P-603	PLUMBING RISER DIAGRAMS	02/06/2026
PG111B	LEVEL 1 FLOOR PLAN - AREA B - GAS	02/06/2026
PG121B	LEVEL 2 FLOOR PLAN - AREA B - GAS	02/06/2026
PG131B	LEVEL 3 FLOOR PLAN - AREA B - GAS	02/06/2026
PG141A	LEVEL 4 FLOOR PLAN - AREA A - GAS	02/06/2026
PG141B	LEVEL 4 FLOOR PLAN - AREA B - GAS	02/06/2026
PG151A	ROOF FLOOR PLAN - AREA A - GAS	02/06/2026
PG151B	ROOF FLOOR PLAN - AREA B - GAS	02/06/2026
PS111A	LEVEL 1 FLOOR PLAN - AREA A - WASTE-VENT	02/06/2026
PS111B	LEVEL 1 FLOOR PLAN - AREA B - WASTE-VENT	02/06/2026
PS121A	LEVEL 2 FLOOR PLAN - AREA A - WASTE-VENT	02/06/2026
PS121B	LEVEL 2 FLOOR PLAN - AREA B - WASTE-VENT	02/06/2026
PS131A	LEVEL 3 FLOOR PLAN - AREA A - WASTE-VENT	02/06/2026
PS131B	LEVEL 3 FLOOR PLAN - AREA B - WASTE-VENT	02/06/2026
PS141A	LEVEL 4 FLOOR PLAN - AREA A - WASTE-VENT	02/06/2026
PS141B	LEVEL 4 FLOOR PLAN - AREA A - WASTE-VENT	02/06/2026
PS151A	ROOF DRAINAGE FLOOR PLAN - AREA A	02/06/2026
PS151B	ROOF DRAINAGE PLAN- AREA B	02/06/2026
PW111A	LEVEL 1 FLOOR PLAN - AREA A - DOMESTIC WATER	02/06/2026
PW111B	LEVEL 1 FLOOR PLAN - AREA B - DOMESTIC WATER	02/06/2026
PW121A	LEVEL 2 FLOOR PLAN - AREA A - DOMESTIC WATER	02/06/2026
PW121B	LEVEL 2 FLOOR PLAN - AREA B - DOMESTIC WATER	02/06/2026
PW131A	LEVEL 3 FLOOR PLAN - AREA A - DOMESTIC WATER	02/06/2026
PW131B	LEVEL 3 FLOOR PLAN - AREA B - DOMESTIC WATER	02/06/2026
PW141A	LEVEL 4 FLOOR PLAN - AREA A - DOMESITC WATER	02/06/2026
PW141B	LEVEL 4 FLOOR PLAN - AREA B - DOMESTIC WATER	02/06/2026
PW151A	ROOF FLOOR PLAN - AREA A - DOMESTIC WATER	02/06/2026
PW151B	ROOF FLOOR PLAN - AREA B - DOMESTIC WATER	02/06/2026

MECHANICAL

SHEET NO	SHEET NAME	Sheet Issue Date
MECHANICAL		
M100	-insert consultant sheet name-	02/06/20
M-001	MECHANICAL LEGEND, ABBREVIATIONS & SUMMARY	02/06/2026
M-501	MECHANICAL DETAILS	02/06/2026
M-502	MECHANICAL DETAILS	02/06/2026
M-503	MECHANICAL DETAILS	02/06/2026
M-504	MECHANICAL DETAILS	02/06/2026
M-601	MECHANICAL SCHEDULES	02/06/2026
M-602	MECHANICAL SCHEDULES	02/06/2026
M-603	MECHANICAL-KITCHEN HOOD SCHEDULES & DETAILS	02/06/2026
M-604	MECHANICAL-KITCHEN HOOD AND EXHAUST FAN SCHEDULES & DETAILS	02/06/2026
M-605	MECHANICAL-KITCHEN HOOD AND EXHAUST FAN ELECTRICAL SCHEDULES & DETAILS	02/06/2026
M-606	MECHANICAL- KITCHEN HOOD CONTROL PANEL SPECIFICATIONS	02/06/2026
M-701	MECHANICAL- FLOW DIAGRAM	02/06/2026
M-801	MECHANICAL CONTROLS	02/06/2026
M-802	MECHANICAL CONTROLS	02/06/2026
M-803	MECHANICAL CONTROLS	02/06/2026
M-804	MECHANICAL CONTROLS	02/06/2026
M-805	MECHANICAL CONTROLS	02/06/2026
MH111A	MECHANICAL LEVEL 01 - HVAC - AREA A	02/06/2026
MH111B	MECHANICAL LEVEL 01 - HVAC - AREA B	02/06/2026
MH121A	MECHANICAL LEVEL 02 - HVAC - AREA A	02/06/2026
MH121B	MECHANICAL LEVEL 02 - HVAC - AREA B	02/06/2026
MH131A	MECHANICAL LEVEL 03 - HVAC - AREA A	02/06/2026
MH131B	MECHANICAL LEVEL 03 - HVAC - AREA B	02/06/2026
MH141A	MECHANICAL LEVEL 04 - HVAC - AREA A	02/06/2026
MH141B	MECHANICAL LEVEL 04 - HVAC - AREA B	02/06/2026
MH151A	MECHANICAL ROOF - HVAC - AREA A	02/06/2026
MH151B	MECHANICAL ROOF - HVAC - AREA B	02/06/2026
MP111A	MECHANICAL LEVEL 01 - HYDRONIC PIPING - AREA A	02/06/2026
MP111B	MECHANICAL LEVEL 01 - HYDRONIC PIPING - AREA B	02/06/2026
MP121A	MECHANICAL LEVEL 02 - HYDRONIC PIPING - AREA A	02/06/2026
MP121B	MECHANICAL LEVEL 02 - HYDRONIC PIPING - AREA B	02/06/2026
MP131A	MECHANICAL LEVEL 03 - HYDRONIC PIPING - AREA A	02/06/2026
MP131B	MECHANICAL LEVEL 03 - HYDRONIC PIPING - AREA B	02/06/2026
MP141A	MECHANICAL LEVEL 04 - HYDRONIC PIPING - AREA A	02/06/2026
MP141B	MECHANICAL LEVEL 04 - HYDRONIC PIPING - AREA B	02/06/2026

ELECTRICAL

SHEET NO	SHEET NAME	Sheet Issue Date
EC1	EROSION CONTROL PHASE 1	03/18/26
E-001	ELECTRICAL LEGEND AND ABBREVIATIONS	02/06/2026
E-002	ELECTRICAL GENERAL NOTES	02/06/2026
E-501	ELECTRICAL DETAILS	02/06/2026
E-502	ELECTRICAL DETAILS	02/06/2026
E-503	ELECTRICAL DETAILS	02/06/2026
E-504	ELECTRICAL DETAILS	02/06/2026
E-505	ELECTRICAL DETAILS	02/06/2026
E-601	ELECTRICAL POWER RISER DIAGRAM 1-OF-2	02/06/2026
E-602	ELECTRICAL POWER RISER DIAGRAM 2-OF-2	02/06/2026
E-603	ELECTRICAL SCHEDULES	02/06/2026
E-604	ELECTRICAL SCHEDULES	02/06/2026
E-605	ELECTRICAL SCHEDULES	02/06/2026
E-606	ELECTRICAL SCHEDULES	02/06/2026
E-607	ELECTRICAL SCHEDULES	02/06/2026
E-608	ELECTRICAL SCHEDULES	02/06/2026
E-609	ELECTRICAL SCHEDULES	02/06/2026
E-610	ELECTRICAL SCHEDULES	02/06/2026
E-611	ELECTRICAL SCHEDULES	02/06/2026
E-612	ELECTRICAL SCHEDULES	02/06/2026
E-613	ELECTRICAL SCHEDULES	02/06/2026
E-100	ELECTRICAL SITE PLAN	02/06/2026
EL111A	ELECTRICAL LEVEL 01 - LIGHTING PLAN - AREA A	02/06/2026
EL111B	ELECTRICAL LEVEL 01 - LIGHTING PLAN - AREA B	02/06/2026
EL121A	ELECTRICAL LEVEL 02 - LIGHTING PLAN - AREA A	02/06/2026
EL121B	ELECTRICAL LEVEL 02 - LIGHTING PLAN - AREA B	02/06/2026
EL131A	ELECTRICAL LEVEL 03 - LIGHTING PLAN - AREA A	02/06/2026
EL131B	ELECTRICAL LEVEL 03 - LIGHTING PLAN - AREA B	02/06/2026
EL141A	ELECTRICAL LEVEL 04 - LIGHTING PLAN - AREA A	02/06/2026
EL141B	ELECTRICAL LEVEL 04 - LIGHTING PLAN - AREA B	02/06/2026
EP111A	ELECTRICAL LEVEL 01 - POWER PLAN - AREA A	02/06/2026
EP111B	ELECTRICAL LEVEL 01 - POWER PLAN - AREA B	02/06/2026
EP121A	ELECTRICAL LEVEL 02 - POWER PLAN - AREA A	02/06/2026
EP121B	ELECTRICAL LEVEL 02 - POWER PLAN - AREA B	02/06/2026
EP131A	ELECTRICAL LEVEL 03 - POWER PLAN - AREA A	02/06/2026
EP131B	ELECTRICAL LEVEL 03 - POWER PLAN - AREA B	02/06/2026
EP141A	ELECTRICAL LEVEL 04 - POWER PLAN - AREA A	02/06/2026
EP141B	ELECTRICAL LEVEL 04 - POWER PLAN - AREA B	02/06/2026
EP211A	ELECTRICAL LEVEL 01 - HVAC POWER PLAN - AREA A	02/06/2026
EP211B	ELECTRICAL LEVEL 01 - HVAC POWER PLAN - AREA B	02/06/2026
EP221A	ELECTRICAL LEVEL 02 - HVAC POWER PLAN - AREA A	02/06/2026
EP221B	ELECTRICAL LEVEL 02 - HVAC POWER PLAN - AREA B	02/06/2026
EP231A	ELECTRICAL LEVEL 03 - HVAC POWER PLAN - AREA A	02/06/2026
EP231B	ELECTRICAL LEVEL 03 - HVAC POWER PLAN - AREA B	02/06/2026
EP241A	ELECTRICAL LEVEL 04 - HVAC POWER PLAN - AREA A	02/06/2026
EP241B	ELECTRICAL LEVEL 04 - HVAC POWER PLAN - AREA B	02/06/2026
EP251A	ELECTRICAL ROOF - HVAC POWER PLAN - AREA A	02/06/2026
EP251B	ELECTRICAL ROOF - HVAC POWER PLAN - AREA B	02/06/2026
EP252	ELECTRICAL ROOF LIGHTNING PROTECTION PLAN	02/06/2026
EP253	ELECTRICAL GEN. ENC. LIGHTNING PROTECTION PLAN	02/06/

5 4 3 2 1

APPENDIX B: 2018 NORTH CAROLINA BUILDING CODE (2015 IBC WITH NORTH CAROLINA AMENDMENTS)

PROJECT INFORMATION:

Name of Project: BRUNSWICK COUNTY NEW HHS/DSS AND EOC (A)
Address: 67 GOVERNMENT CENTER DR NE Zip Code: 28422
BRUNSWICK COUNTY, NORTH CAROLINA
Owner/Authorized Agent: TIM BENDER Phone: 704.909.8335
E-mail: rmbivens@novanthealth.org
Owned By: ■ City/County ■ Private ☐ State
Code Enforcement Jurisdiction: ☐ City: Bolivia ☐ County: ■ State

D

LEAD DESIGN PROFESSIONAL:

DESIGNER	FIRM	NAME	LICENSE#	TELEPHONE#	E-MAIL
Architectural	McMillan Pazdan Smith	Lisa Connell	17168	704.817.8280	lchowell@mcmillanpazdansmith.com
Civil	Tunstall Consulting Engineers, PLLC	John Tunstall	19851	(910) 343-9653	jtunstall@tunstallengineers.com
Electrical	CBHF Engineers, PLLC	Jason Famiglietti, PE	35230	(910) 791-4000	jfam@cbhfengineers.com
Fire Alarm	CBHF Engineers, PLLC	Jason Famiglietti, PE	35230	(910) 791-4000	jfam@cbhfengineers.com
Plumbing	CBHF Engineers, PLLC	Troy Grady, PE	043801	(910) 791-4000	tgrady@cbhfengineers.com
Mechanical	CBHF Engineers, PLLC	Troy Grady, PE	043801	(910) 791-4000	tgrady@cbhfengineers.com
Sprinkler/ Standpipe	Summit Fire Consulting	Sean Vizgirda, FPE	046319	(859) 912-2467	svizgirda@summitfireconsulting.com
Structural	Stewart Engineers	Trina Agnello, PE	041315	(704) 909-3520	tangello@stewartinc.com
Retaining Walls >5' High	-	-	-	-	-
Other	-	-	-	-	-

TYPE OF WORK BEING PERFORMED: (A)

2018 NC BUILDING CODE: ■ New Building ☐ Addition ☐ Renovation
☐ 1st Time Interior Completion
☐ Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements
☐ Phased Construction - Shell/Core- Contact the local inspection jurisdiction for possible additional procedures and requirements

2018 NC EXISTING BUILDING CODE: ☐ Prescriptive ☐ Repair ☐ Chapter 14
Alterations: ☐ Level I ☐ Level II ☐ Level III
☐ Historic Property ☐ Change of Use

CONSTRUCTED: 1994 CURRENT OCCUPANCY(S) (Ch 3):
RENOVATED: 2025 PROPOSED OCCUPANCY(S) (Ch 3): Business Occupancy

C

RISK CATEGORY (Table 1604.5) Current: ☐ I ☐ II ☐ III ☐ IV
Proposed: ☐ I ☐ II ☐ III ■ IV

BASIC BUILDING DATA

Construction Type: ☐ I-A ☐ II-A ☐ III-A ☐ IV ☐ V-A
☐ I-B* ■ II-B ☐ III-B ☐ V-B
Sprinklers: ☐ No ☐ Partial ■ Yes ■ NFPA 13 ☐ NFPA 13R ☐ NFPA 13D
Standpipes: ☐ No ■ Yes Class: ■ I ☐ II ☐ III ■ Wet ☐ Dry (A)
Fire District: ■ No ☐ Yes Flood Hazard Area: ■ No ☐ Yes
Special Inspections Required: ☐ No ■ Yes Contact the local inspection jurisdiction for additional procedures and requirements

GROSS BUILDING AREA: (A)

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	RENO/ALT (SQ FT)	SUB-TOTAL (SQ FT)
Fourth Floor	0	33,912	0	33,912
Third Floor	0	33,912	0	33,912
Second Floor	0	33,912	0	33,912
First Floor	0	33,912	0	33,912
TOTAL	0	135,648	0	135,648

ALLOWABLE AREA

Primary Occupancy Classification: Select one
Assembly ☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4 ☐ A-5
Business ■
Educational ☐
Factory ☐ F-1 Moderate ☐ F-2 Low
Hazardous ☐ H-1 Detonate ☐ H-2 Deflagrate ☐ H-3 Combust ☐ H-4 Health ☐ H-5 HPM
Institutional ☐ I-1 Condition: ☐ 1 ☐ 2
☐ I-2 Condition: ☐ 1 ☐ 2
☐ I-3 Condition: ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
Institutional ☐ I-4
Mercantile ☐
Residential ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4
Storage ☐ S-1 Moderate ☐ S-2 Low ☐ High-Piled
☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage
Utility and Miscellaneous ☐

Accessory Occupancy Classification: A-2 Assembly - Dining & Classroom
Incidential Uses (Table 509): Laundry Room - Domestic Appliances
Special Uses (Chapter 4 - List Code Sections): N/A
Special Provisions (Chapter 5 - List Code Sections): N/A
Mixed Occupancy: ☐ No ■ Yes Separation: 0hr Exception:
■ Non-Separated Use (508.3)
The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.
☐ Separated Use (508.4) - See below for area calculations
For each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

(A)

STORY NO.	Actual Area of Occupancy A / Allowable Area of Occupancy A	+	Actual Area of Occupancy A / Allowable Area of Occupancy A	<1
Fourth Floor	3,207 / 25,500 = 0.125 <1.00			
	Per 2018 NCBC 508.2.3 3,207 / 33,912 =.0945. 9.45% This Accessory Occupancy is less than 10% of the overall floor area			

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2[4] AREA	(C) AREA FOR FRONTAGE INCREASE[1,5]	(D) ALLOWABLE AREA PER STORY OR UNLIMITED[2,3]
FIRST FLOOR	Business Occupancy	33,912	69,000	NA	69,000
SECOND FLOOR	Business Occupancy	33,912	69,000	NA	69,000
THIRD FLOOR	Business Occupancy	33,912	69,000	NA	69,000
FOURTH FLOOR	Business / Assembly Occupancy : Accessory	33,912	69,000	NA	69,000
TOTAL		135,648			276,000

1 Frontage area increases from Section 506.3 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = N/A (F)
b. Total Building Perimeter = N/A (P)
c. Ratio (F/P) = N/A (F/P)
d. W = Minimum width of public way = N/A (W)
e. Percent of frontage increase I_f = 100 [F/P - 0.25] x W/30 = N/A (%)
2 Unlimited area applicable under conditions of Sections 507.
3 Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
4 The maximum area of open parking garages must comply with Table 406.5.4.
5 Frontage increase is based on the unsprinklered area value in Table 506.2

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE
Building Height in Feet (Table 504.3) [2]	75'-0"	69'-8" T.O.P.	-
Building Height in Stories (Table 504.4) [3]	4	4	-

1 Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4
2 The maximum height of air traffic control towers must comply with Table 412.3.1.
3 The maximum height of open parking garages must comply with Table 406.5.4.

FIRE PROTECTION REQUIREMENTS

(A)

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D (HR.)	PROVIDED (W/___* REDUCTION) EXISTING	PROVIDED NEW	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY EXISTING	DESIGN # NEW	SHEET # FOR RATED PENETRATION	SHEET # FOR RATED JOINTS
Structural frame, Including columns, girders, trusses		0	-	1HR	A5/G120 &G/121	- -		-	-
Bearing walls									
Exterior									
North	X ≥ 30	0	-	0	-	-	-	-	-
East	X ≥ 30	0	-	0	-	-	-	-	-
West	X ≥ 30	0	-	0	-	-	-	-	-
South	X ≥ 30	0	-	0	-	-	-	-	-
Interior		0	-	0	-	-	-	-	-
Nonbearing Walls and Partitions									
Exterior									
North	X ≥ 30	0	-	0	-	-	-	-	-
East	X ≥ 30	0	-	0	-	-	-	-	-
West	X ≥ 30	0	-	0	-	-	-	-	-
South	X ≥ 30	0	-	0	-	-	-	-	-
Interior walls and partitions		0	-		SA/A004-UL465 OR UL411	-	-	-	-
Floor construction Including supporting beams and joists		0	-	1HR	A5/G120	-	-	-	-
Floor Ceiling Assembly		0	-	2HR	D2/A003 AT EXIT PASSAGEWAY	-	AER-09038 / G004.6	-	-
Columns Supporting Floors		0	-	1HR	A5/G120	-	-	-	-
Roof construction Including supporting beams and joists		0	-	0	-	-	-	-	-
Roof Ceiling Assembly		0	-	0	-	-	-	-	-
Columns Supporting Roof		0	-	0	-	-	-	-	-
Shafts Enclosures - Exit 4 Levels		2HR	-	2HR	A004 / U905/G004.5	-		-	-
Shafts Enclosures- Mechanical 3 Levels		1HR	-	1HR	C2/A003 C1/A003	-	UL U415 / G004.3	-	-
Corridor Separation		0	-	0	-	-	-	-	-
Occupancy/Fire Barrier Separation		0	-	0	-	-	-	-	-
Party/Fire Wall Separation		0	-	0	-	-	-	-	-
Smoke Barrier Separation		0	-	0	-	-	-	-	-
Smoke Partition		0	-	0	-	-	-	-	-
Tenant/Dwelling Unit Sleeping Unit Separation		N/A	-	0	-	-	-	-	-
Incidental Use Separation		0	-	0	-	-	-	-	-

*Indicate section permitting reduction:

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE FROM PROPERTY LINES (FEET)	DEGREE OF OPENING PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
< 30' - 0"	SEE SHEETS G004 & G005	-	-
-	-	-	-

LIFE SAFETY SYSTEM REQUIREMENTS*:

Emergency Lighting: ☐ No ■ Yes
Exit Signs: ☐ No ■ Yes
Fire Alarm: ☐ No ■ Yes
Smoke Detection Systems: ☐ No ■ Yes ☐ Partial: ________
Carbon Monoxide Detection ☐ No ■ Yes

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet # G110 - G113
■ Fire and/or smoke rated wall locations (Chapter 7)
■ Assumed and real property line locations (if not on site plan)
■ Exterior wall opening area with respect to distance to assumed property lines (705.8)
■ Occupancy use of each area as it relates to occupant load calculation (Table 1004.1.2)
■ Occupant loads for each area
■ Exit sign locations (1013)
■ Exit access travel distances (1017)
■ Common path of travel distances (Table 1006.2.1 & Table 1006.3.2(1))
■ Dead end lengths (1020.4)
■ Clear exit widths for each exit door
■ Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
■ Actual occupant load for each exit door
☐ A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation
■ Location of doors with panic hardware (1010.1.10)
■ Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
☐ Location of doors with electromagnetic egress locks (1010.1.9.9)
☐ Location of doors equipped with hold-open devices
☐ Location of emergency escape windows (1030)
☐ The square footage of each fire area (202)
☐ The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
☐ Note any code exceptions or table notes that may have been utilized regarding the items above
-
-

ACCESSIBLE PARKING (SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES REQUIRED	TOTAL # OF PARKING SPACES PROVIDED	# OF ACCESSIBLE SPACES PROVIDED 96" SPACES	# OF ACCESSIBLE SPACES PROVIDED 132" SPACES	TOTAL # ACCESSIBLE PROVIDED
New Parking	190	225	10		10
Existing Parking at Bldg A/B	140	140	-	-	-
					-
TOTAL	330	365	10	-	-

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

Business		WATER CLOSETS MALE	WATER CLOSETS FEMALE	WATER CLOSETS UNISEX	URINALS	LAVATORIES MALE	LAVATORIES FEMALE	LAVATORIES UNISEX	SHOWERS/ TUBS	DRINKING FOUNTAINS REGULAR	DRINKING FOUNTAINS ACCESSIBLE
Office Building	Existing	-	-	-	-	-	-	-	-	-	-
	Provided	4	12	37	8	5	5	37	6	4	4
	Required	13	13	27	-	5	5	8	-	4	4

TOILET FIXTURE OCCUPANCY CALCULATION:

Business: 135,648 / 100 = **1,357 OCCUPANTS**
Business WC: 1,357/2=679, 679-30=649, 649/50=13, 3.26+1=5 each
Lav: 1357/2=679, 679-2=677, 677/80=9, 1.4+2=4 each

Assembly (Accessory to Business): 1,289sf / 15, 1,260/15, 1,183/15 = **248 OCCUPANTS**
Assembly WC: 1,229/2=615, 615/75=9 615/200=4, 3.26+1=5 each
Lav: 1229/2=615, 615-2=613, 613/80=8, 1.4+2=4 each
The occupants accounted for in accessory assembly spaces will be the occupants of the building. On the occasion that the EOC portion of the building is in operation or active the other areas of the building will be emptied.

SPECIAL APPROVALS

SPECIAL APPROVAL: (Local Jurisdiction, Department of Insurance, OSC, DPI, DFS, ICC, etc., describe below)
-

ENERGY SUMMARY

ENERGY REQUIREMENTS:
The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs. annual energy cost for the proposed design.

Existing building envelope complies with code: ■ NA ☐No ☐ Yes, (The remainder of this section is not applicable)
Exempt Building: ■ No ☐ Yes, (Provide code or statutory reference):

Climate Zone: ■ 3A ☐ 4A ☐ 5A
Method of Compliance: Energy Code ■ Performance ☐ Prescriptive
ASHRAE 90.1 ☐ Performance ☐ Prescriptive

THERMAL ENVELOPE: (Prescriptive method only)
Roof/Ceiling Assembly (each assembly)
Description of assembly: Description of assembly
U-Value of total assembly: -
R-Value of insulation: -
Skylights in each assembly: N/A
U-Value of skylight: N/A
Total square footage of skylights in each assembly: N/A
Exterior Walls (each assembly)
Description of assembly: Description of assembly
U-Value of total assembly: -
R-Value of insulation: -
Openings (windows/doors with glazing)
U-Value of assembly: -
Solar Heat Gain Coefficient: -
Projection factor: -
Door R-Values: -
Walls below grade (each assembly)
Description of assembly: -
U-Value of total assembly: -
R-Value of insulation: N/A
Floors over unconditioned space (each assembly)
Description of assembly: -
U-Value of total assembly: -
R-Value of insulation: -
Floors slab on grade
Description of assembly: -
U-Value of total assembly: -
R-Value of insulation: -
Horizontal/Vertical requirement: -
Slab heated: -

STRUCTURAL DESIGN
(REFER TO STRUCTURAL SHEETS)

MECHANICAL DESIGN
(REFER TO MECHANICAL SHEETS)

ELECTRICAL DESIGN
(REFER TO ELECTRICAL SHEETS)

1 / G003 **NC Appendix B 2018**
12" = 1'-0"

B

A

INSPECTIONS

IBC CHAPTER 1 AND CHAPTER 17 INSPECTIONS WILL BE PROVIDED BY OWNER'S 3RD PARTY INSPECTION AGENCY.

PROVIDE INSPECTIONS FOR STRUCTURAL, MECHANICAL, ELECTRICAL, FIRE PROTECTION, AND PLUMBING SYSTEMS, AS INDICATED ON CONSULTANT'S DOCUMENTS. ALSO, PROVIDE INSPECTIONS FOR THE FOLLOWING WORK:

110.3.1 - FOOTING AND FOUNDATION INSPECTIONS

110.3.2 - CONCRETE SLAB AND UNDER-FLOOR INSPECTION

110.3.4 - FRAME INSPECTION

110.3.6 - GYPSUM BOARD INSPECTION

110.3.8 - FIRE AND SMOKE-RESISTANT PENETRATIONS

110.3.9 - ENERGY EFFICIENCY INSPECTIONS

110.3.10 - OTHER INSPECTIONS, INCLUDING:
EGRESS LIGHTING
HORN STROBE SYNCHRONIZATION
90 MINUTE EMERGENCY LIGHTING TEST
FIRE ALARM TEST
ACCESSIBILITY COMPLIANCE

1705.15 - SPRAY APPLIED FIRE PROTECTION SYSTEMS

Also:
NC Department of Insurance
NC Department of Labor
Brunswick County Health Department (A)

BUILDING ENVELOPE

CLIMATE ZONE 3A (Warm-Humid)
NC ECC **2018** (based on IECC **2015**)
NC ECC **2024** (based on IECC **2021**)
Section 402

SYSTEM	REQUIRED (based on IECC 2015)	REQUIRED (based on IECC 2021)	PROVIDED	DESCRIPTION OF ASSEMBLY
ROOFS - INSUL ABOVE DECK	R-25 ci Min	R-25 ci Min	R-25 ci	R1 / A003
METAL FRAMED WALLS	R-13 + R-7.5 ci Min	R-13 + R-7.5 ci Min	R-25 + R-8.6 ci	BRICK: EW-1 / A002 METAL PNL: EW-2 / A002 CEMENT PNL: EW-3 / A002
BELOW GRADE WALL	NR	NR	NR	
UNHEATED SLABS	NR	NR	NR	
NONSWINGING (OVERHEAD) DOORS	R-4.75 Min. U - 0.21 Max.	U - 0.31 Max.	U - 0.21	08 33 23 - OVERHEAD COILING DOORS
OPAQUE SWINGING DOORS	U-0.61 Max.	U-0.37 Max.	U-0.37	08 11 13 - HOLLOW METAL DOORS AND FRAMES
ENTRANCE DOORS	U-0.77 Max.	U-0.68 Max.	U-0.68	08 41 13 - ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS
(FIXED) WINDOWS	U-0.46 Max.	U-0.42 Max.	U-0.42	08 41 13 AND 08 44 23
SHGC (TYP. GLAZING)	.25 Max.	.25 Max.	.23	08 80 00 - GLAZING BOD: VITRO - SOLARBAN 90 (CLEAR + CLEAR)

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED ARCHITECT SEAL 17168 LISA MARIE CONNELL
04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/26	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
CODE SUMMARY / UL DETAILS

SHEET NO. G003
PROJ. NO. 024370.01

4/2/2026 11:45:35 AM Autodesk Docs://024370.00_Brunswick County Health & Human Services/ARCH_Brunswick County Health and Human Servic_R23.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2026 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

5 4 3 2 1

Product iQ®

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.

When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide information includes specifics concerning alternate materials and alternate methods of construction. Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States
BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

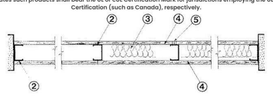
See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States
Design Criteria and Allowable Variances

See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada
Design Criteria and Allowable Variances

Design No. U465

November 15, 2025

Nonbearing Wall Rating — 1 HR.
*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1. **Floor and Ceiling Runners —** (Not Shown) — Channel shaped runners, 3-5/8 in. deep (min), 1-1/4 in. legs, formed from min No. 25 MSG galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

1A. **Framing Members* — Floor and Ceiling Runners —** (Not Shown) — As an alternate to Item 1 — Channel shaped, min 3-5/8 in. deep, attached to floor and ceiling with fasteners 24 in. OC. max.
ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20
CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D24/30EQD and Type SUPREME D20
QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D24/30EQD and Type SUPREME D20
SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D24/30EQD and Type SUPREME D20
STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D24/30EQD and Type SUPREME D20
TELLING INDUSTRIES L L C — Type SUPREME D24/30EQD and Type SUPREME D20
UNITED METAL PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20

1B. **Framing Members* — Floor and Ceiling Runners —** Not Shown — In lieu of Item 1 — For use with Item 2B, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
CEMCO, LLC — Viper20™ Track
MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track
IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track

1C. **Floor and Ceiling Runners —** (Not Shown) — For use with Item 2C — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, min depth to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners spaced max 24 in. OC.

1D. **Framing Members* — Floor and Ceiling Runners —** Not Shown — In lieu of items 1 through 1C — For use with Item 2D and 4G only, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
CLARKDIETRICH BUILDING SYSTEMS — CD ProTRAK
DMFCWBS L L C — ProTRAK
MBA METAL FRAMING — ProTRAK
RAM SALES L L C — Ram ProTRAK
STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProTRAK

1E. **Framing Members* — Floor and Ceiling Runners —** Not Shown — In lieu of items 1 through 1D — For use with Item 2E and 4I only, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
TELLING INDUSTRIES L L C — TRUE-TRACK™

1F. **Framing Members* — Floor and Ceiling Runners —** Not Shown — In lieu of items 1 through 1E — For use with Item 2, channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 25 MSG steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
KIRII (HONG KONG) LTD — Type KIRII

1G. **Framing Members* — Floor and Ceiling Runners —** Not Shown — In lieu of Items 1 through 1F — For use with Item 2, channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide, attached to floor and ceiling with fasteners spaced 24 in. OC max.
STUDCO BUILDING SYSTEMS — CROCSTUD Track

1H. **Floor and Ceiling Runners —** (Not Shown) — Channel shaped, fabricated from min 0.02 in. galv steel, min width to accommodate stud size, with min 1 in. long legs, for use with studs specified below and fabricated from min 0.02 in. galv steel or thicker, attached to floor and ceiling with fasteners spaced max 24 in. OC.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track V1100
IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track V1700

1I. **Framing Members* — Floor and Ceiling Runners —** Not Shown — In lieu of Item 1 — For use with Item 2H, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track

1J. **Framing Members* — Floor and Ceiling Runners —** Not Shown — In lieu of Items 1 — For use with Item 2 L, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
RESCUE METAL FRAMING, L L C — AlphaTRAK

1K. **Framing Members* — Floor and Ceiling Runners —** Not Shown — In lieu of Item 1 — For use with Item 2M, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep, fabricated from min 25 MSG

(0.018 in. min. bare-metal thickness), attached to floor and ceiling with fasteners spaced 24 in. OC max.
CEMCO, LLC — Viper X Track

1L. **Framing Members* — Floor and Ceiling Runners —** Not Shown — In lieu of Item 1 — For use with Item 2N, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
CRACO MFG INC — SmartTrack20™

1M. **Framing Members* — Floor and Ceiling Runners —** Not shown — In lieu of items 1 through 1L — For use with Item 2O, proprietary channel shaped runners, min 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 20 MSG galv steel (0.0329 in. min bare metal thickness), attached to floor and ceiling with fasteners spaced 24 in. OC max.
PANEL REY S A — SUPRA Track 20/33 mil

1N. **Framing Members* — Floor and Ceiling Runner —** Not Shown — In lieu of Item 1 — For use with Item 2P, proprietary channel shaped runners, 1-1/4 in. wide by min. 3-5/8 in. deep fabricated from min 0.019 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
PANEL REY S A — SUPRA Track 20G/19 mil

1O. **Framing Members* — Floor and Ceiling Runner —** (Not Shown — Alternate to Item 1) — For use with Item 2Q, channel shaped runners pre-equipped with proprietary attachment clips. Min. 3-5/8 in. wide. Legs of top runners minimum 3-1/4 in. wide. Legs of bottom runners minimum 1-1/2 in. wide. Runners attached to floor and ceiling with fasteners 24 in. OC max.
HYPERFRAME INC - Hypertrack

1P. **Framing Members* — Floor and Ceiling Runner —** Not Shown — In lieu of Item 1 — For use with Item 2R, proprietary channel shaped runners, 1-1/4 in. wide by min. 3-5/8 in. deep fabricated from min. 20 EQ/22 mils. (min. 0.0221 in. thick) galvanized steel, attached to floor and ceiling with fasteners spaced 24 in. OC max. Studs out 3/4 in. less in length than assembly height.
IRONLINE METALS LLC — Bantam Stud.

1Q. **Framing Members* — Floor and Ceiling Runners —** Not Shown — In lieu of Items 1 — __For use with Item 2R, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
IRONLINE METALS LLC — Bantam Track.

1R. **Framing Members* — Floor and Ceiling Runners —** Not Shown — In lieu of Items 1 — For use with Item 2S, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
KIRII (HONG KONG) LTD — Type KIRII

1S. **Framing Members* — Floor and Ceiling Runners —** Not Shown — In lieu of Items 1 — For use with Item 2T, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track V1100

1T. **Framing Members* — Floor and Ceiling Runners —** Not Shown — In lieu of Items 1 — For use with Item 2U, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track

1U. **Framing Members* — Floor and Ceiling Runners —** Not Shown — In lieu of Items 1 — For use with Item 2V, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
RESCUE METAL FRAMING, L L C — AlphaTRAK

1V. **Framing Members* — Floor and Ceiling Runners —** Not Shown — In lieu of Items 1 — For use with Item 2W, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
CLARKDIETRICH BUILDING SYSTEMS — CD ProTRAK

1W. **Framing Members* — Floor and Ceiling Runners —** Not Shown — In lieu of Items 1 — For use with Item 2X, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
DMFCWBS L L C — ProTRAK

1X. **Framing Members* — Floor and Ceiling Runners —** Not Shown — In lieu of Items 1 — For use with Item 2Y, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
MBA METAL FRAMING — ProTRAK

1Y. **Framing Members* — Floor and Ceiling Runners —** Not Shown — In lieu of Items 1 — For use with Item 2Z, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
RAM SALES L L C — Ram ProTRAK

1Z. **Framing Members* — Floor and Ceiling Runners —** Not Shown — In lieu of Items 1 — For use with Item 2AA, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProTRAK

1AA. **Framing Members* — Floor and Ceiling Runners —** Not Shown — In lieu of Items 1 — For use with Item 2AB, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20
CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D24/30EQD and Type SUPREME D20
QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D24/30EQD and Type SUPREME D20
SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D24/30EQD and Type SUPREME D20
STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D24/30EQD and Type SUPREME D20
TELLING INDUSTRIES L L C — Type SUPREME D24/30EQD and Type SUPREME D20
UNITED METAL PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20

1AB. **Framing Members* — Floor and Ceiling Runner —** Not Shown — In lieu of Item 1 — For use with Item 2AC, proprietary channel shaped runners, min 1-1/4 in. deep by min 3-5/8 in. deep fabricated from min 0.019 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
PANEL REY S A — SUPRA Track 20G/19 mil

1AC. **Framing Members* — Floor and Ceiling Runner —** (Not Shown — Alternate to Item 1) — For use with Item 2AD, channel shaped runners min 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
JJC INTERNATIONAL DISTRIBUTORS — Non-structural Tracks 3-5/8" and 6".

1AD. **Framing Members* — Floor and Ceiling Runner —** Not Shown — In lieu of Item 1 — For use with Item 2AE, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track

1AE. **Framing Members* — Floor and Ceiling Runner —** Not Shown — In lieu of Item 1 — For use with Item 2AF, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
IRONLINE METALS LLC — Bantam Track.

1AF. **Framing Members* — Floor and Ceiling Runner —** Not Shown — In lieu of Item 1 — For use with Item 2AG, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
IRONLINE METALS LLC — Bantam Track.

2. **Steel Studs —** Channel shaped, 3-5/8 in. deep (min), formed from min No. 25 MSG galv steel spaced 24 in. OC max. Studs to be cut 3/4 in. less than assembly height.

2A. **Framing Members* — Steel Studs —** As an alternate to Item 2 — Channel shaped studs, min 3-5/8 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20
CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D24/30EQD and Type SUPREME D20
QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D24/30EQD and Type SUPREME D20
SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D24/30EQD and Type SUPREME D20
STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D24/30EQD and Type SUPREME D20
TELLING INDUSTRIES L L C — Type SUPREME D24/30EQD and Type SUPREME D20
UNITED METAL PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20

2B. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 — For use with Item 1B, proprietary channel shaped steel studs, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel. Studs out 3/4 in. less in length than assembly height.
CEMCO, LLC — Viper20™
CRACO MFG INC — SmartStud20™
MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™
IMPERIAL MANUFACTURING GROUP INC — Viper20™

2C. **Steel Studs —** (As an alternate to Item 2, For use with Item 1C) — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, 3-1/2 in. min depth, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height. See materials in Item(s) 4 that require Item 2C studs.

2D. **Framing Members* — Steel Studs —** As an alternate to Items 2 through 2C — For use with Item 1D and 4G only, channel shaped studs, min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height.
CLARKDIETRICH BUILDING SYSTEMS — CD ProSTUD
DMFCWBS L L C — ProSTUD
MBA METAL FRAMING — ProSTUD
RAM SALES L L C — Ram ProSTUD
STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProSTUD

2E. **Framing Members* — Steel Studs —** As an alternate to Items 2 through 2D — For use with Item 1E and 4I only, channel shaped studs, min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height.
TELLING INDUSTRIES L L C — TRUE-STUD™

2F. **Framing Members* — Steel Studs —** As an alternate to Items 2 through 2E — For use with Item 1F, channel shaped studs, min 3-5/8 in. wide fabricated from min 25 MSG steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height.
KIRII (HONG KONG) LTD — Type KIRII

2G. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 through 2F — For use with Item 1G. Proprietary channel shaped studs, minimum 3-5/8 in. wide, Studs to be cut 1/2 in. less than the assembly height.
STUDCO BUILDING SYSTEMS — CROCSTUD

2H. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 — For use with Item 1I, proprietary channel shaped steel studs, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel. Studs cut 3/4 in. less in length than assembly height.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™

2I. **Framing Members* — Steel Studs —** In lieu of Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, 3-5/8 in. deep (min), spaced 24 in. OC max. Studs to be cut 3/4 in. less than assembly height.
EB METAL INC — NITROSTUD

2J. **Framing Members* — Steel Studs —** In lieu of Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, 3-5/8 in. deep (min), spaced 24 in. OC max. Studs to be cut 3/4 in. less than assembly height.
OLMAR SUPPLY INC — PRIMESTUD

2K. **Framing Members* — Steel Studs —** As an alternate to Item 2 — For use with Item 1B (3-5/8 in. wide track), channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, 1-1/4 in. wide by 3-5/8 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — StudRite™

2L. **Framing Members* — Steel Studs —** As an alternate to Items 2 — For use with Item 1J, channel shaped studs, min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
RESCUE METAL FRAMING, L L C — AlphaSTUD

2M. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 — For use with Item 1K, proprietary channel shaped steel studs, min 1-1/4 in. wide by min 3-5/8 in. deep, fabricated from min 25 MSG (0.018 in. min. bare metal thickness). Studs cut 3/4 in. less in length than assembly height.
CEMCO, LLC — Viper X

2N. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 — For use with Item 1L, proprietary channel shaped steel studs, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel. Studs cut 3/4 in. less in length than assembly height.
CRACO MFG INC — SmartStud20™

2O. **Framing Members* - Steel Studs -** Not Shown — In lieu of Items 2 through 2N — For use with Item 1M, proprietary channel shaped steel studs, min 1-5/8 in. wide by min 3-5/8 in. deep fabricated from min 20 MSG galv steel (0.0329 in. min bare metal thickness) spaced 24 in. OC max. Studs cut 3/4 in. less in length than assembly height.
PANEL REY S A — SUPRA Stud 20/33 mil

2P. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 — For use with Item 1N, proprietary channel shaped steel studs, min 1-1/4 in. wide by min 3-5/8 in. deep with 1/4 in. return lips fabricated from min 0.019 in. thick galv steel, spaced 24 in. OC max. Studs cut 3/4 in. less in length than assembly height.
PANEL REY S A – SUPRA Stud 20G/19 mil

2Q. **Framing Members* — Steel Studs —** (Not Shown — Alternate to Item 2, For use with Item 1O) — Channel shaped steel studs with attachment clips at top and bottom, min 3-5/8 in. depth, spaced a max of 24 in. OC. Studs clipped into floor and ceiling runners (Item 1O). Max 2-3/8 in. extension reveal from top of stud to inside of ceiling runner.
HYPERFRAME INC— Hyperstud

UNITED STATES GYPSUM CO — Type SCX, ULIX
USG BORAL DRYWALL SFZ LLC — Type SCX

2R. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 — For use with Item 1Q, proprietary channel shaped steel studs, min 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min. min. 0.018 in. thick galvanized steel, spaced 24 in. OC max. Studs out 3/4 in. less in length than assembly height.
IRONLINE METALS LLC — Bantam Stud.

3. **Batts and Blankets* —** (Optional) – Mineral wool or glass fiber batts partially or completely filling stud cavity.
See **Batts and Blankets** (BZJZ) category for names of Classified companies.
CERTAINTEED LLC
ROCKWOOL — Type AFB, min. density 1.69 pcf / 27.0 kg/m³
ROCKWOOL MALAYSIA SDN BHD — Type Acoustical Fire Batts

3A. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 3) — (100% Borate Formulation) — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Minimum dry density of 2.7 lbs/ft³. Alternate ONE, Sealthie One, Sealthie Pro One, Sealthie Pro One Zero, Foamsulate Closed Cell, Foamsulate OCX, Foamsulate HFO.

3B. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 3) — Spray applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft.
NU-WOOL CO INC — Cellulose Insulation

3C. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 3) — Spray applied cellulose fiber. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.30 lbs/ft³.
INTERNATIONAL CELLULOSE CORP — Celbar-Ri.

3D. **Batts and Blankets* —** For use with Item 8, Norm 3 in. thick, minimum 3.4 pcf mineral wool batts, friction fit between the studs and floor and ceiling runners.

See **Batts and Blankets** (BZJZ) category for names of manufacturers.

3E. **Batts and Blankets* —** For use with Item 4R and 4S. Placed in stud cavities, any min. 3-1/2 in. thick glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance.

See **Batts and Blankets** (BKNV or BZJZ) Categories for names of Classified companies.

3F. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 3) — Spray-applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. To facilitate the installation of the material, any thin, woven or non-woven netting may be attached by any means possible to the outer face the studs. The material shall reach equilibrium moisture content before the installation of materials on either face of the studs. The minimum dry density shall be 5.79 lbs/ft³.
Applegate Greenfiber Acquisition LLC — Applegate Advanced Stabilized Cellulose Insulation

3G. **Foamed Plastic* —** As an alternate to Batts and Blankets (Items 3-3F), for use with Item 4U — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with min. 20 MSG thickness.
CARLISE SPRAY FOAM INSULATION — Types SealTite ONE, SealTite Pro Closed Cell (CC), SealTite Pro OCX, SealTite Pro No Trim 21, SealTite Pro One Zero, Foamsulate Closed Cell, Foamsulate OCX, Foamsulate HFO.

3H. **Foamed Plastic* —** As an alternate to Batts and Blankets (Items 3-3G), for use with Item 4U — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with min. 20 MSG thickness.
BASF CORP – Enertite® NM, Enertite® G, FI1781®, Spraytite® 1781, Spraytite® 81206, Walltite® 200, Walltite® US, Walltite® US-N, Walltite® HP+, FI1371®, FI1585®, Spraytite® 1581, Spraytite® SP, Spraytite® 81205, Walltite® MAX, Walltite® LWP, Walltite® Plus, Walltite® One, and Enertite® Max.

3I. **Foamed Plastic* —** As an alternate to Batts and Blankets (Items 3-3H), for use with Item 4W — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity. When

foamed plastic is used, minimum stud depth shall be 3-1/2 in. with min. 20 MSG thickness.
BASF CORP – Walltite® v.5

3J. **Loose Fill Material* —** Optional - (As an alternate to Items 3-3I) - Shredded glass fibers bearing the UL Classification Marking as to Surface Burning. Blown into wall cavities through pre-installed fabric adhered to studs.
CERTAINTEED LLC – Type InsulSafe R, InsulSafe SP, InsulSafe XC, Northern White,or OPTIMA

4. **Gypsum Board* —** 5/8 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type S steel screws spaced 8 in. OC. along edges of board and 12 in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly. When used in widths other than 48 in., gypsum panels to be installed horizontally. When using LGUX, panels need not be staggered in horizontal applications and screw spacing can be increased to 12 in. OC in field and perimeter.
CGC INC — Types SCX, ULIX
UNITED STATES GYPSUM CO — Types SCX, ULIX
USG BORAL DRYWALL SFZ LLC — Type SCX

4A. **Gypsum Board* —** (As an alternate to Item 4) — Nom 5/8 in. thick gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Gypsum panels fastened to framing with 1 in. long Type S steel screws spaced 8 in. OC along edges of board and 12 in. OC in the field, staggered 4 in. OC between layers. When applied vertically, both layers of gypsum board fastened to each side of framing with 1 in. long Type S steel screws spaced 8 in. OC and staggered 4 in. OC between layers. When applied horizontally or vertically, When used in widths other than 48 in., gypsum panels to be installed horizontally. Screws spaced a max 12 in. along the top and bottom edges of the wall.
NATIONAL GYPSUM CO — Type FSW

4B. **Gypsum Board* —** As an alternate to Item 4, Nom 5/8 in. thick, 4 ft wide, Nom 5/8 in. thick gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Gypsum panels fastened to framing with 1 in. long Type S steel screws spaced 8 in. OC and staggered 4 in. OC between layers. When applied vertically, both layers of gypsum board fastened to each side of framing with 1 in. long Type S steel screws spaced 8 in. OC and staggered 4 in. OC between layers. When applied horizontally or vertically, When used in widths other than 48 in., gypsum panels to be installed horizontally. Screws spaced a max 12 in. along the top and bottom edges of the wall.
NATIONAL GYPSUM CO — Type FSW

4C. **Gypsum Board* —** As an alternate to Item 4, Nom 5/8 in. thick, 4 ft wide, Nom 5/8 in. thick gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Gypsum panels fastened to framing with 1 in. long Type S steel screws spaced 8 in. OC along vertical edges and in the field, staggered 4 in. OC between layers. When applied vertically, both layers of gypsum board fastened to each side of framing with 1 in. long Type S steel screws spaced 8 in. OC and staggered 4 in. OC between layers. When applied horizontally or vertically, When used in widths other than 48 in., gypsum panels to be installed horizontally. Screws spaced a max 12 in. along the top and bottom edges of the wall.
NATIONAL GYPSUM CO — Type FSW

4D. **Gypsum Board* —** As an alternate to Item 4, Nom 5/8 in. thick, 4 ft wide, Nom 5/8 in. thick gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Gypsum panels fastened to framing with 1 in. long Type S steel screws spaced 8 in. OC along vertical edges and in the field, staggered 4 in. OC between layers. When applied vertically, both layers of gypsum board fastened to each side of framing with 1 in. long Type S steel screws spaced 8 in. OC and staggered 4 in. OC between layers. When applied horizontally or vertically, When used in widths other than 48 in., gypsum panels to be installed horizontally. Screws spaced a max 12 in. along the top and bottom edges of the wall.
NATIONAL GYPSUM CO — Type FSW

4E. **Gypsum Board* —** As an alternate to Item 4, Nom 5/8 in. thick, 4 ft wide, Nom 5/8 in. thick gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Gypsum panels fastened to framing with 1 in. long Type S steel screws spaced 8 in. OC along vertical edges and in the field, staggered 4 in. OC between layers. When applied vertically, both layers of gypsum board fastened to each side of framing with 1 in. long Type S steel screws spaced 8 in. OC and staggered 4 in. OC between layers. When applied horizontally or vertically, When used in widths other than 48 in., gypsum panels to be installed horizontally. Screws spaced a max 12 in. along the top and bottom edges of the wall.
NATIONAL GYPSUM CO — Deleted

4F. **Gypsum Board* —** As an alternate to Item 4, Nom 5/8 in. thick, 4 ft wide, Nom 5/8 in. thick gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Gypsum panels fastened to framing with 1 in. long Type S steel screws spaced 8 in. OC along vertical edges and in the field, staggered 4 in. OC between layers. When applied vertically, both layers of gypsum board fastened to each side of framing with 1 in. long Type S steel screws spaced 8 in. OC and staggered 4 in. OC between layers. When applied horizontally or vertically, When used in widths other than 48 in., gypsum panels to be installed horizontally. Screws spaced a max 12 in. along the top and bottom edges of the wall.
NATIONAL GYPSUM CO — Type FSW

4G. **Gypsum Board* —** As an alternate to Item 4, 4A, 4B, 4C, and 4D — Nom 5/8 in. thick gypsum panels applied vertically or horizontally. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Gypsum panels fastened to framing with 1 in. long Type S steel screws spaced 8 in. OC along vertical edges and in the field, Screws spaced a max 12 in. along the top and bottom edges of the wall for both vertical and horizontal applications.
CERTAINTEED GYPSUM INC — Type X+1, SilentFX, GlasRoc, Type C

4H. **Gypsum Board* —** As an alternate to Item 4 when Foam Plastic insulation items 3I is used) — Any 5/8 in. thick, 4 ft wide, Gypsum Board listed in Item 4 above. Two layers applied vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. All joints in outer layers staggered with joints in inner layers. Inner layer screwed to studs with 1-5/8 in. long Type S steel screws spaced 8 in. OC at perimeter and in the field. Outer layer attached to studs over inner layer with the 1-7/8 in. long steel screws spaced 8 in. OC.

4I. **Gypsum Board* —** As an alternate to Item 4, for 1 hr. rating) — Nom. 5/8 in. thick gypsum panels applied vertically or horizontally. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Gypsum panels fastened to framing with 1 in. long Type S steel screws 12 in. OC along vertical edges and in the field. Screws spaced a max 12 in. along the top and bottom edges of the wall for both vertical and horizontal applications.
CERTAINTEED GYPSUM INC — Type X+1, SilentFX, GlasRoc, Type C

4J. **Gypsum Board* —** (Not Shown) — (As an alternate to item 4 when used as the base layer on one or both sides of wall. For direct attachment only to steel studs Item 2C) — Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws gypsum panel steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.94 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".
MAYCO INDUSTRIES INC — Type X-Ray Shielded Gypsum

4K. **Gypsum Board* —** (As an alternate to Item 4 and 4A, not for use with Items 1D, 1E, 2D and 2E) — Nom. 5/8 in. thick gypsum panels with beveled, square or tapered edges installed as described in Item 4 and 4A.
CGC INC — Type

Product iQ®

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide information for each product category and each group of assemblies. The Guide information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States
BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

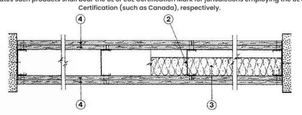
See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States
Design Criteria and Allowable Variances

See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada
Design Criteria and Allowable Variances

Design No. U411

November 14, 2025

Nonbearing Wall Rating — 2 Hr.
*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1. **Floor and Ceiling Runner —** (Not Shown) — Min. 25 MSG galv steel, 1 in. return legs, 2-1/2 in. deep (min), attached to floor and ceiling with fasteners 24 in. OC max.

1A. **Framing Members* — Floor and Ceiling Runners —** (Not Shown) — As an alternate to Item 1 - For use with Item 2A, channel shaped, min 2-1/2 in. deep, attached to floor and ceiling with fasteners 24 in. OC. max.
ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20
CEMCO, LLC — Viper20™ Track
CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D24/30EQD and Type SUPREME D20
MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track
IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track
QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D24/30EQD and Type SUPREME D20
SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D24/30EQD and Type SUPREME D20
STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D24/30EQD and Type SUPREME D20
TELLING INDUSTRIES L L C — Type SUPREME D24/30EQD and Type SUPREME D20
UNITED METAL PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20

1B. **Floor and Ceiling Runners —** (Not Shown) — For use with Item 2B- Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, min width to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners spaced max 24 in. OC.

1C. **Framing Members* — Floor and Ceiling Runners —** (Not Shown) — As an alternate to Item 1 - For use with item 2C., channel shaped, min 2-1/2 in. wide fabricated from min 0.015 in. thick galv steel, attached to floor and ceiling with fasteners 24 in. OC. max.
CLARKDIETRICH BUILDING SYSTEMS — CD ProTRAK
DMFCWBS L L C — ProTRAK
MBA METAL FRAMING — ProTRAK
RAM SALES L L C — Ram ProTRAK
STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProTRAK

1D. **Framing Members* — Floor and Ceiling Runners —** (Not Shown) — As an alternate to Item 1 - For use with item 2D, channel shaped, min 2-1/2 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners 24 in. OC. max.
TELLING INDUSTRIES L L C — TRUE-TRACK™

1E. **Framing Members* — Floor and Ceiling Runners —** (Not Shown) — As an alternate to Item 1 - For use with item 2E, channel shaped, min 2-1/2 in. wide fabricated from min 25 MSG steel, attached to floor and ceiling with fasteners 24 in. OC. max.
KIRI (HONG KONG) LTD — Type KIRII

1F. **Floor and Ceiling Runners —** (Not Shown) — Channel shaped, min width to accommodate stud size, with min 1 in. long legs, for use with studs specified below, attached to floor and ceiling with fasteners spaced max 24 in. OC.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track VT100
IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track

1G. **Framing Members* — Floor and Ceiling Runners —** (Not Shown) — As an alternate to Item 1 - For use with item 2G, channel shaped, min 2-1/2 in. deep, attached to floor and ceiling with fasteners 24 in. OC. max.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track

1H. **Framing Members* — Floor and Ceiling Runners —** (Not Shown) — As an alternate to Item 1 - For use with item 2J. Channel shaped, attached to floor and ceiling with fasteners 24 in. OC. max.
BAILEY METAL PRODUCTS LTD — Type PLATINUM PLUS

1I. **Framing Members* — Floor and Ceiling Runners —** (Not Shown) — As an alternate to Item 1 - For use with item 2K, channel shaped, min 3-1/2 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners 24 in. OC. max.
RESCUE METAL FRAMING, L L C — AlphaTRAK

1J. **Framing Members* — Floor and Ceiling Runners —** (Not Shown) — As an alternate to Item 1 - For use with item 2L. Channel shaped, attached to floor and ceiling with fasteners 24 in. OC. max.
OEG BUILDING MATERIALS — OEG Track

1K. **Framing Members* — Floor and Ceiling Runners —** (Not Shown) — As an alternate to Item 1 - For use with item 2M, channel shaped, min 2-1/2 in. deep, formed of min. 25 MSG (0.018 in. min. bare metal thickness), attached to floor and ceiling with fasteners 24 in. OC. max.
CEMCO, LLC — Viper X Track

1L. **Framing Members* — Floor and Ceiling Runners —** (Not Shown) — As an alternate to Item 1 - For use with item 2N. Channel shaped, min. 2-1/2 in. deep, attached to floor and ceiling with fasteners 24 in. OC. max.
ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D25
CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D25
QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D25
SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D25
STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D25
TELLING INDUSTRIES L L C — Type SUPREME D25
UNITED METAL PRODUCTS INC — Type SUPREME D25

1M. **Floor and Ceiling Runner —** (Not shown) - As an alternate to Item 1, For use with items 2O and 4O - Min 25 MSG galv steel, 1-5/8 in. deep (min), attached to floor and ceiling with fasteners 24 in. OC. max.

1N. **Framing Members* — Floor and Ceiling Runner —** Not Shown — In lieu of Item 1 - For use with item 2P, proprietary channel shaped runners, 1-1/4 in. wide by min. 2-1/2 in. deep fabricated from min 0.019 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
PANEL REY S A — SUPRA Track 20EQ/19 mil

2. **Steel Studs —** Min 2-1/2 in. deep, formed of min 25 MSG galv steel max stud spacing 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

2A. **Framing Members* — Steel Studs —** As an alternate to Item 2 — For use with Item 1G, channel shaped studs, min 2-1/2 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20
CEMCO, LLC — Viper20™
CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D24/30EQD and Type SUPREME D20
MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™
IMPERIAL MANUFACTURING GROUP INC — Viper20™
QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D24/30EQD and Type SUPREME D20
SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D24/30EQD and Type SUPREME D20
STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D24/30EQD and Type SUPREME D20

2B. **Steel Studs —** (As an alternate to Item 2, For use with item 4D, 4H, and 4J) — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, 3-1/2 in. min depth, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height.

2C. **Framing Members* — Steel Studs —** As an alternate to Item 2 — For use with Item 1C., channel shaped studs, min 2-1/2 in. wide fabricated from min 0.015 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
CLARKDIETRICH BUILDING SYSTEMS — CD ProSTUD
DMFCWBS L L C — ProSTUD
MBA METAL FRAMING — ProSTUD
RAM SALES L L C — Ram ProSTUD
STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProSTUD

2D. **Framing Members* — Steel Studs —** As an alternate to Item 2 — For use with Item 1D, channel shaped studs, min 2-1/2 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
TELLING INDUSTRIES L L C — TRUE-STUD™

2E. **Framing Members* — Steel Studs —** As an alternate to Item 2 — For use with Item 1E, channel shaped studs, min 2-1/2 in. wide fabricated from min 25 MSG steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
KIRI (HONG KONG) LTD — Type KIRII

2F. **Framing Members* — Steel Studs —** As an alternate to Item 2 — For use with Item 1G, channel shaped studs, min 2-1/2 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™

2G. **Framing Members* — Steel Studs —** As an alternate to Item 2 — For use with Item 1, channel shaped studs, Min 2-1/2 in. deep, formed of min 25 MSG galv steel max stud spacing 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

2H. **Framing Members* — Steel Studs —** As an alternate to Item 2 — For use with Item 1, channel shaped studs, Min 2-1/2 in. deep, formed of min 25 MSG galv steel max stud spacing 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
OLMAR SUPPLY INC — PRIMESTUD

2I. **Framing Members* — Steel Studs —** As an alternate to Item 2 — For use with Item 1A (3-5/8 in. wide track), channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, 1-1/4 in. wide by 3-5/8 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — StudRite™

2J. **Framing Members* — Steel Studs —** As an alternate to Item 2 — For use with Item 1H, channel shaped, min 3-5/8 in. wide, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.
BAILEY METAL PRODUCTS LTD — Type PLATINUM PLUS

2K. **Framing Members* — Steel Studs —** As an alternate to Item 2 — For use with Item 1I, channel shaped studs, min 3-1/2 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
RESCUE METAL FRAMING, L L C — AlphaSTUD

2L. **Framing Members* — Steel Studs —** As an alternate to Item 2 — For use with Item 1J, channel shaped studs, Min 2-1/2 in. deep, formed of min 25 MSG galv steel max stud spacing 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.
OEG BUILDING MATERIALS — OEG Stud

2M. **Framing Members* — Steel Studs —** As an alternate to Item 2 — For use with Item 1K, channel shaped studs, min 2-1/2 in. deep, formed of min. 25 MSG (0.018 in. min. bare metal thickness), spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
CEMCO, LLC — Viper X

2N. **Framing Members* — Steel Studs —** As an alternate to Item 2 — For use with Item 1L, channel shaped studs, min depth 2-1/2 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D25
CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D25
QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D25
SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D25
STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D25
TELLING INDUSTRIES L L C — Type SUPREME D25
UNITED METAL PRODUCTS INC — Type SUPREME D25

2O. **Framing Members* — Steel Studs —** (As an alternate to Item 2) For use with Items 1M and 4O - channel shaped studs min 1-5/8 in. deep, formed of 25 MSG galv steel, max stud spacing 24 in. OC. Studs cut 3/8 in. to 3/4 in. less than assembly height.

2P. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 - For use with Item 1N, proprietary channel shaped steel studs, min 1-1/4 in. wide by min 2-1/2 in. deep with 1/4 in. return lips fabricated from min 0.019 in. thick galv steel, spaced 24 in. OC max. Studs cut 3/4 in. less in length than assembly height.
PANEL REY S A – SUPRA Stud 20EQ/19 mil

3. **Batts and Blankets* —** (Optional) — Mineral wool or glass fiber batts partially or completely filling stud cavity.
See **Batts and Blankets** (BZJZ) category for names of manufacturers
ROCKWOOL — Type AFB, min. density 1.69 pcf / 27.0 kg/m^3
ROCKWOOL MALAYSIA SDN BHD — Type Acoustical Fire Batts

3A. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 3) — (100% Borate Formulation) — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product with a nominal dry density of 2.7 lb/ft^3. Alternate Application Method: The fiber is applied without water or adhesive at a nominal dry density of 3.5 lb/ft^3, in accordance with the application instructions supplied with the product.
Applegate Greenfiber Acquisition LLC — Insulmax and SANCTUARY for use with wet or dry application.

3B. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 3) — Spray applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft.
NU-WOOL CO INC — Cellulose Insulation

3C. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 3) — Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lbs/ft^3.
INTERNATIONAL CELLULOSE CORP — Celbar-RL

3D. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 3) — Spray-applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. To facilitate the installation of the material, any thin, woven or non-woven netting may be attached by any means possible to the outer face the studs. The material shall reach equilibrium moisture content before the installation of materials on either face of the studs. The minimum dry density shall be 5.79 lbs/ft^3.
Applegate Greenfiber Acquisition LLC — Applegate Advanced Stabilized Cellulose Insulation

3E. **Foamed Plastic* —** As an alternate to Batts and Blankets (Items 3-3D), for use with item 4Q — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 MSG steel thickness.
CARLISLE SPRAY FOAM INSULATION — Types SealTite ONE, SealTite Pro Closed Cell (CC), SealTite Pro Open Cell (OC), SealTite Pro OCX, SealTite Pro No Trim 2L, SealTite Pro One Zero, Foamulate Closed Cell, Foamulate OCX, Foamulate 70, and Foamulate HFO.

3F. **Foamed Plastic* —** As an alternate to Batts and Blankets (Items 3-3E), for use with item 4Q — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with min. 20 MSG thickness.
BASF CORP– Enertite® MM, Enertite® Q, FE175F, Sprayfoam® 178, Sprayfoam® 812OX, Wallfoam® 2OO, Wallfoam® U5, Wallfoam® U5-N, Wallfoam® HP+, FE137F, FE158F, Sprayfoam® 158, Sprayfoam® SP, Sprayfoam® 8120S, Wallfoam® MAX, Wallfoam® LWP, Wallfoam® Plus, Wallfoam® One, and Enertite® Max

3G. **Foamed Plastic* —** As an alternate to Batts and Blankets (Items 3-3F), for use with item 4R — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with min. 20 MSG thickness.
SAINT-GOBAIN GYPROC MIDDLE EAST FZE — Type Gyproc FireStop, Gyproc FireStop MR, Gyproc FireStop M2TECH, Gyproc FireStop ACTIVAir, Gyproc FireStop MR ACTIVAir, Gyproc FireStop M2TECH ACTIVAir,

3H. **Loose Fill Material*** – Optional - (As an alternate to Items 3-3G) - Shredded glass fibers bearing the UL Classification Marking as to Surface Burning. Blown into wall cavities through pre-installed fabric adhered to studs.
CERTAINTEED LLC – Type InsulSafe R, InsulSafe SP, InsulSafe XC, Northern White,or OPTIMA

4. **Gypsum Board* —** 5/8 in. thick, outer layer paper, glass mat or vinyl surfaced. (Laminated System) Gypsum board applied vertically in two layers. Inner layer attached to studs with 1 in. long Type S steel screws spaced 8 in. OC along vertical edges, and 12 in. OC in the field and outer layer laminated to inner layer with joint compound, applied with a notched spreader producing continuous beads of compound about 3/8 in. in diameter, spaced not greater than 2 in. OC. Joints of laminated outer layer offset 12 in. from inner layer joints Outer layer gypsum board attached to floor and ceiling runner track with 1-5/8 in. long Type S steel screws spaced 12 in. OC.
Optional, (Direct Attached System), inner layer attached to studs with 1 in. long Type S steel screws spaced 16 in. OC in the field and along the vertical edges. Outer layer attached to the studs over the inner layer with 1-5/8 in. long Type S steel screws spaced 16 in. OC in the field and along the vertical edges and 12 in. OC to the floor and ceiling runners. Joints of screw-attached outer layer offset from inner layer joints. Joints of outer layer may be taped or untaped.
Nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced.
AMERICAN GYPSUM CO — Types AG-C, AGX-1, M-Glass, AGX-1I, LightRoc
BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO — Type DBX-1
CABOT MANUFACTURING ULC — Type X, 5/8 Type X, Type Blueglass Exterior Sheathing, 5/8 in. Type C.
CERTAINTEED GYPSUM INC — Types EGRG, GlasRoc, Type X-1, Type C, Type LWTX
CGC INC — Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, USGX, WRC or WRX
GEORGIA-PACIFIC GYPSUM L L C — Types 5, 6, 9, C, DAP, DD, DA, DAPC, DGG, DS, GPFS6, LS, TG-C, Type X, Veneer Plaster Base-Type X, Water Rated-Type X, Sheathing Type-X, Soffit-Type X, GreenGlass Type X, Type X ComfortGuard Sound Deadening Gypsum Board, Type LWX, Veneer Plaster Base-Type LWX, Water Rated-Type LWX, Sheathing Type-LWX, Soffit-Type LWX, Type DGLW, Water Rated-Type DGLW, Sheathing Type- DGLW, Soffit-Type DGLW, Type LW2X, Veneer Plaster Base - Type LW2X, Water Rated - Type LW2X, Sheathing - Type LW2X, Soffit - Type LW2X, Type DGL2W, Water Rated - Type DGL2W, Sheathing - Type DGL2W
NATIONAL GYPSUM CO — Types eXP-C, FSK, FSK-C, FSW, FSW-3, FSW-5, FSW-6, FSW-8, FSW-C, FSW-G, FSW6-C, FSL, Type SBWSI, RSX.
NATIONAL GYPSUM CO — Riyadh, Saudi Arabia — Type FR, or WR.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type C, PG-3, PG-5, PG-9, PG-11, PG-C, PGS-WRS, PGI
PANEL REY S A — Types GREX, GRIX, PRX, RHX, MDX, ETX, PRC, PRC2, PRX2
SIAM GYPSUM INDUSTRY (SARABUR) CO LTD — Type EX-1
SAINT-GOBAIN GYPROC MIDDLE EAST FZE — Type Gyproc FireStop, Gyproc FireStop MR, Gyproc FireStop M2TECH, Gyproc FireStop ACTIVAir, Gyproc FireStop MR ACTIVAir, Gyproc FireStop M2TECH ACTIVAir,

4A. **Gypsum Board* —** (As an alternate to Item 4) — Nom 3/4 in. thick, installed as described in item 4 with 1-1/4 in. long Type S screws for inner layer and 2-1/4 in. long Type S screws for outer layer.
CGC INC — Types AR, IP-AR
UNITED STATES GYPSUM CO — Types AR, IP-AR
USG MEXICO S A DE C V — Types AR, IP-AR

4B. **Gypsum Board* —** (As an alternate to Items 4 and 4A) — 5/8 in. thick, 24 to 54 in. wide, applied horizontally as the outer layer to one side of the assembly. Horizontal joints need not be backed by steel framing. Secured as described in Item 4 for the direct attached system. When used in widths other than 48 in., gypsum panels to be installed horizontally.
CERTAINTEED GYPSUM INC — Type C, Type GlasRoc
CGC INC — Type SHX
GEORGIA-PACIFIC GYPSUM L L C — Types 5, 6, 9, C, DAP, DD, DA, DAPC, DGG, DS, GPFS6, LS, TG-C, Type X, Veneer Plaster Base-Type X, Water Rated-Type X, Sheathing Type-X, Soffit-Type X, GreenGlass Type X, Type X ComfortGuard Sound Deadening Gypsum Board, Type LWX, Veneer Plaster Base-Type LWX, Water Rated-Type LWX, Sheathing Type-LWX, Soffit-Type LWX, Type DGLW, Water Rated-Type DGLW, Sheathing Type- DGLW, Soffit-Type DGLW, Type LW2X, Veneer Plaster Base - Type LW2X, Water Rated - Type LW2X, Sheathing - Type LW2X, Soffit - Type LW2X, Type DGL2W, Water Rated - Type DGL2W, Sheathing - Type DGL2W
NATIONAL GYPSUM CO — Types eXP-C, FSK, FSK-C, FSW, FSW-3, FSW-5, FSW-6, FSW-8, FSW-C, FSW-G, FSW6-C, FSL, Type SBWSI, RSX.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type C, PG-3, PG-5, PG-9, PG-11, PG-C, PGS-WRS, PGI
PANEL REY S A — Types GREX, GRIX, PRX, RHX, MDX, ETX, PRC, PRC2, PRX2
SAINT-GOBAIN GYPROC MIDDLE EAST FZE — Type Gyproc FireStop, Gyproc FireStop MR, Gyproc FireStop M2TECH, Gyproc FireStop ACTIVAir, Gyproc FireStop MR ACTIVAir, Gyproc FireStop M2TECH ACTIVAir,

4C. **Gypsum Board* —** (As an alternate to Items 4, 4A and 4B) — Two layers of 5/8 in. thick gypsum board applied horizontally or vertically. Inner layer attached to studs with No. 6 by 1 in. long Type S bugle head screws spaced 24 in. OC along the top and bottom tracks starting 2 in. and then 12 in. from the vertical edge. Inner layer screws spaced 24 in. OC along the studs, starting 2 in. and then 12 in. from the top and bottom of the studs and starting 1-1/4 in. from the horizontal joints when installed horizontally. Outer layer attached to studs with 1-5/8 in. long Type S bugle head screws spaced 16 in. OC along the top and bottom tracks starting 1-3/4 in. from the vertical edge. Outer layer screws spaced 16 in. OC along the studs, starting 1-3/4 in. and then 8 in. from the top and bottom of the studs and starting 1-1/4 in. and then

b. **Steel Framing Members* —** Used to attach furring channels (item a) to studs. Clips spaced 48 in. OC., and secured to studs with 2 in. coarse drywall screw with 1 in. diam washer through the center hole. Furring channels are friction fitted into clips.
STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237R

8C. **Steel Framing Members* —** (Optional on one or both sides, Not Shown — Not for use with Items 4D, 4H, 4J, or 4N) — As an alternate to Item 8, furring channels and Steel Framing Members as described below:

a. **Furring Channels —** Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 8Cb. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in item 4.

b. **Steel Framing Members* —** Used to attach furring channels (item 8Ca) to studs. Clips spaced 48 in. OC, and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.
REGUPOL AMERICA — Type SonusClip

8D. **Steel Framing Members* —** (Optional on one or both sides, Not Shown — Not for use with Items 4D, 4H, 4J, or 4N) — As an alternate to Item 8, furring channels and Steel Framing Members as described below:

a. **Resilient Channels —** Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in item b. Ends of adjoining channels overlapped 6 in. and secured in place with two No. 8 15 x 1/2 in. Philips Modified Truss screws spaced 2-1/2 in. from the center of the overlap. Gypsum board attached to resilient channels as described in item 4.

b. **Steel Framing Members* —** Used to attach resilient channels (Item 8Da) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Resilient channels are secured to clips with one No. 10 x 1/2 in. pan-head self-drilling screw.
KEENE BUILDING PRODUCTS CO INC — Type RC+ Assurance Clip

8E. **Steel Framing Members* —** (Optional on one or both sides, Not Shown — Not for use with Items 4D, 4H, 4J, or 4N) — As an alternate to Item 8, furring channels and Steel Framing Members as described below:

a. **Furring Channels —** Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire.Gypsum board attached to furring channels as described in item 4.

8F. **Steel Framing Members* —** (Optional on one or both sides, Not Shown — Not for use with Items 4D, 4H, 4J, or 4N) — As an alternate to Item 8, furring channels and Steel Framing Members as described below:

a **Furring Channels —** Formed of No. 25 MSG galv steel. 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in item 4.

b **Steel Framing Members* —** Used to attach furring channels (Item 8Fa) to studs. Clips spaced maximum 48 in. OC. Clips secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips.
CLARKDIETRICH BUILDING SYSTEMS — Type ClarkDietrich Sound Clip

9. **Barrier Mesh —** (Optional, Not Shown) - Attached to steel studs on one or both sides of the wall using Barrier Mesh Clips spaced at maximum 12 inches on center vertically, using a flat head type screw penetrating through the steel at least 3/8 of an inch. For Steel Studs less than 0.033 inches in thickness, use self-piercing screws. For Steel Studs equal to or greater than 0.033 inches in thickness, use steel drill screws (self-tapping). Gypsum Board (Item 4) to be installed directly over the Barrier Mesh using prescribed screw patterns with lengths increased by a minimum 1/8 in. Barrier Mesh may be installed with the long dimension of the diamond pattern positioned vertically or horizontally. Barrier Mesh joints may occur as butt joints at the framing members and secured using the Barrier Mesh Clips or occur in between framing members as overlapping joints secured using 18 SWG wire ties spaced a maximum 12 in. on center.
CLARKDIETRICH BUILDING SYSTEMS — Barrier Mesh, Barrier Mesh Clips

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

8 in. from the horizontal joints when installed horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers staggered a min of 12 in. When outer layers are installed horizontally, vinyl or cosein, dry or premixed joint compound shall be applied in two coats to joints and screw heads of outer layer. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layer panels. Nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced.
GEORGIA-PACIFIC GYPSUM L L C — Types 5, 6, 9, C, DAP, DD, DA, DAPC, DGG, DS, GPFS6, LS, TG-C, Type X, Veneer Plaster Base-Type X, Water Rated-Type X, Sheathing Type-X, Soffit-Type X, GreenGlass Type X, Type X ComfortGuard Sound Deadening Gypsum Board, Type LWX, Veneer Plaster Base-Type LWX, Water Rated-Type LWX, Sheathing Type-LWX, Soffit-Type LWX, Type DGLW, Water Rated-Type DGLW, Sheathing Type- DGLW, Soffit-Type DGLW, Type LW2X, Veneer Plaster Base - Type LW2X, Water Rated - Type LW2X, Sheathing - Type LW2X, Soffit - Type LW2X, Type DGL2W, Water Rated - Type DGL2W, Sheathing - Type DGL2W

4D. **Gypsum Board* —** (Not Shown) — (As an alternate to Item 4 when used as the base layer on one or both sides of wall. For direct attachment only to steel studs Item 2B) — Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gypsum board secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.
RAY-BAR ENGINEERING CORP — Type XB-LBG

4E. **Gypsum Board* —** (As an alternate to Items 4 through 4D) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically and secured as described in item 4.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types QuietRock ES

4F. **Gypsum Board* —** (As an alternate to Items 4 through 4E) —5/8 in. thick, applied vertically or horizontally. Horizontal joints need not be backed by steel framing. Secured as described in Item 4. When used in widths other than 48 in., gypsum panels to be installed horizontally.
CERTAINTEED GYPSUM INC — Type SilentFX

4G. **Gypsum Board* —** As an alternate to Item 4 — Nom. 5/8 in. thick, inner layer attached vertically to studs with 1 in. long Type S steel screws spaced 16 in. OC in the field and along the vertical edges. Outer layer attached to the studs horizontally over the inner layer with 1-5/8 in. long Type S steel screws spaced 16 in. OC in the field and along the vertical edges and 12 in. OC to the floor and ceiling runners. Joints of outer layer must be taped. Nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard.
CABOT MANUFACTURING ULC — Type Blueglass Exterior Sheathing

tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in item 4.

b. **Steel Framing Members* —** Used to attach furring channels (Item 8Ea) to studs. Clips spaced 48 in. OC., and secured to studs with No. 10 x 2 in. screw through the center hole. Furring channels are friction fit into clips.
MASON INDUSTRIES INC — Type CWC-50

9F **Steel Framing Members* —** (Optional on one or both sides, Not Shown — Not for use with Items 4D, 4H, 4J, or 4N) — As an alternate to Item 8, furring channels and Steel Framing Members as described below:

a **Furring Channels —** Formed of No. 25 MSG galv steel. 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in item 4.

b **Steel Framing Members* —** Used to attach furring channels (Item 8Fa) to studs. Clips spaced maximum 48 in. OC. Clips secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips.
CLARKDIETRICH BUILDING SYSTEMS — Type ClarkDietrich Sound Clip

9. **Barrier Mesh —** (Optional, Not Shown) - Attached to steel studs on one or both sides of the wall using Barrier Mesh Clips spaced at maximum 12 inches on center vertically, using a flat head type screw penetrating through the steel at least 3/8 of an inch. For Steel Studs less than 0.033 inches in thickness, use self-piercing screws. For Steel Studs equal to or greater than 0.033 inches in thickness, use steel drill screws (self-tapping). Gypsum Board (Item 4) to be installed directly over the Barrier Mesh using prescribed screw patterns with lengths increased by a minimum 1/8 in. Barrier Mesh may be installed with the long dimension of the diamond pattern positioned vertically or horizontally. Barrier Mesh joints may occur as butt joints at the framing members and secured using the Barrier Mesh Clips or occur in between framing members as overlapping joints secured using 18 SWG wire ties spaced a maximum 12 in. on center.
CLARKDIETRICH BUILDING SYSTEMS — Barrier Mesh, Barrier Mesh Clips

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

EB METAL INC — NITROSTUD

2H. **Framing Members* — Steel Studs —** As an alternate to Item 2 — For use with Item 1, channel shaped studs, Min 2-1/2 in. deep, formed of min 25 MSG galv steel max stud spacing 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
OLMAR SUPPLY INC — PRIMESTUD

2I. **Framing Members* — Steel Studs —** As an alternate to Item 2 — For use with Item 1A (3

UL Solutions | **Product iQ®**

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States
BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada
See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States
Design Criteria and Allowable Variances

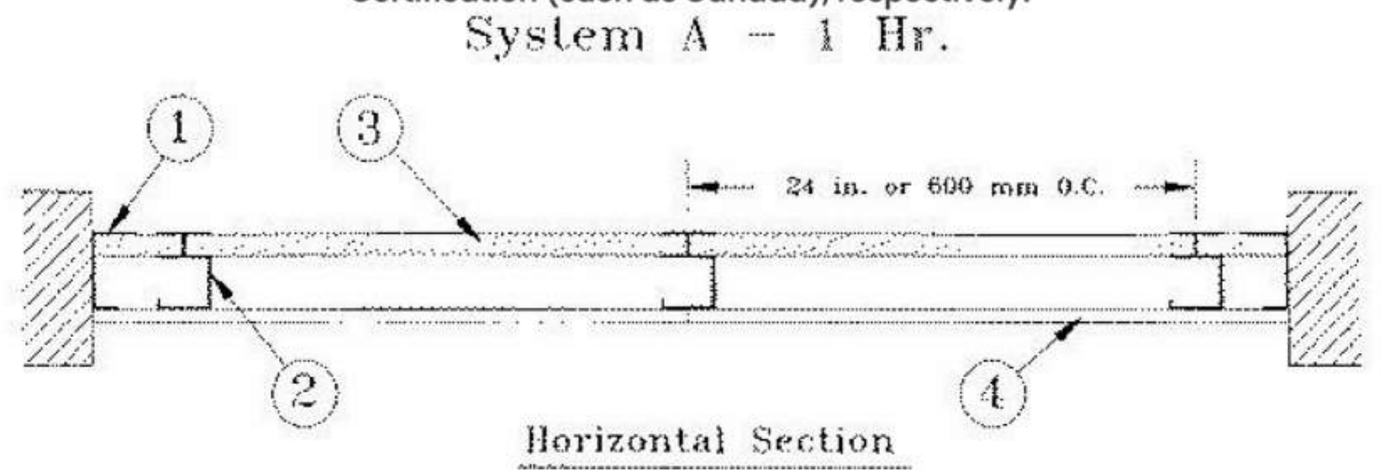
See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada
Design Criteria and Allowable Variances

Design No. **U415**

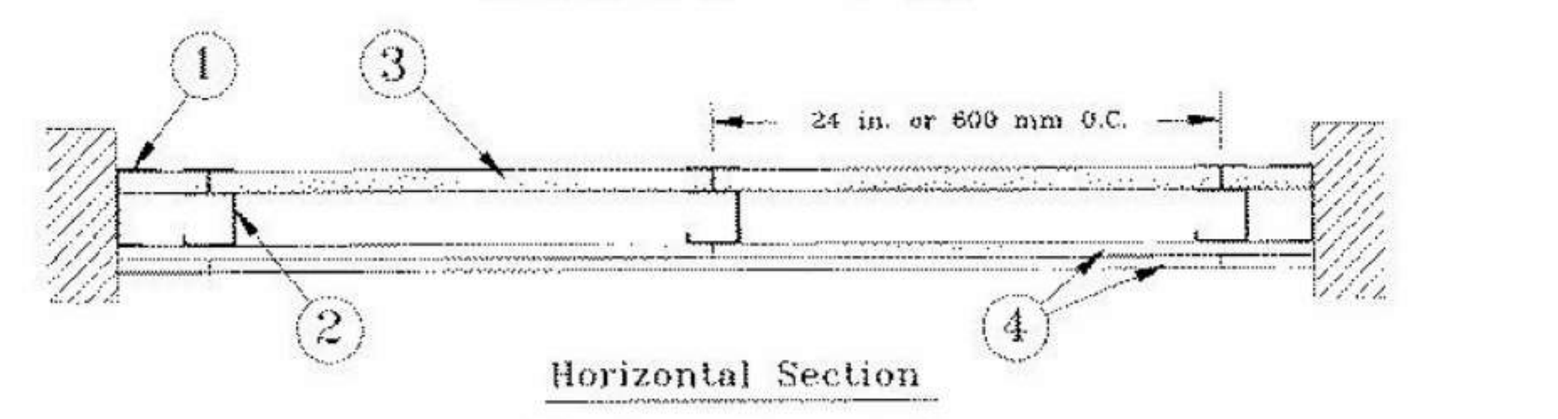
July 31, 2025

Nonbearing Wall Ratings — 1, 2, 3 or 4 Hr
*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

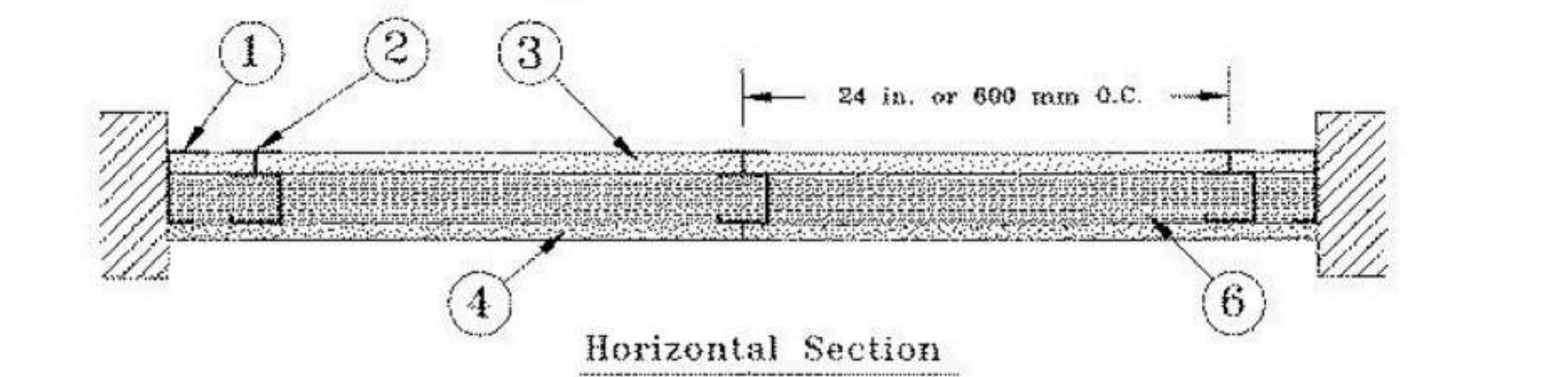
System A — 1 Hr.



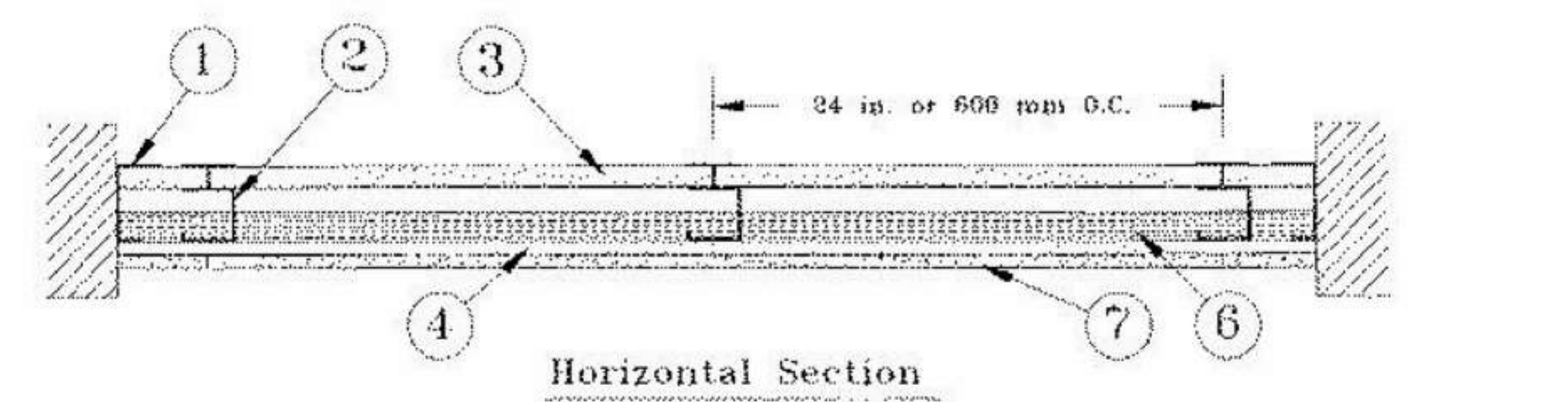
System B - 2 Hr.



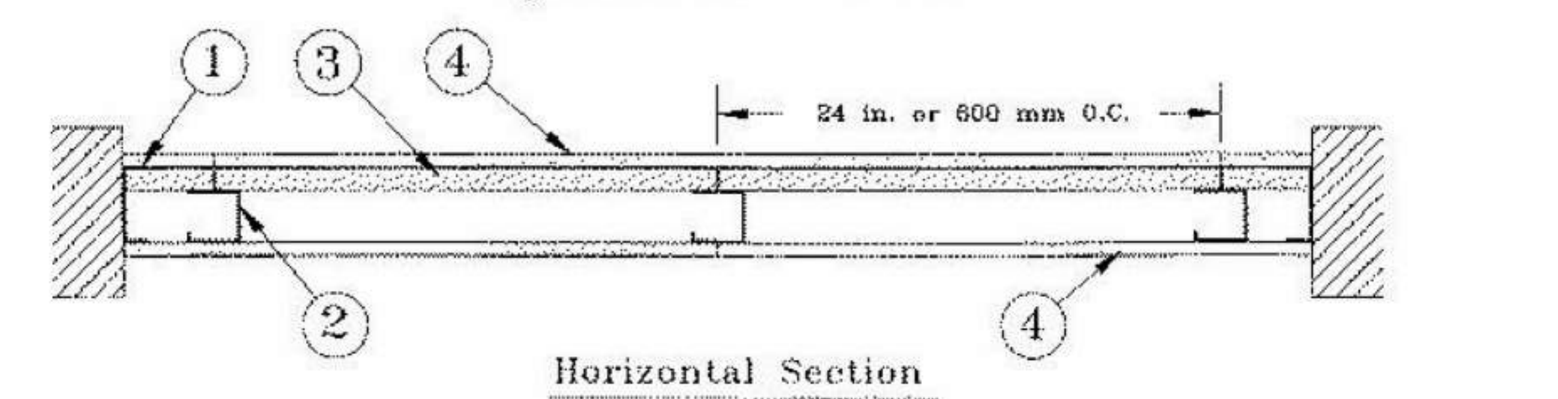
System C - 2 Hr.



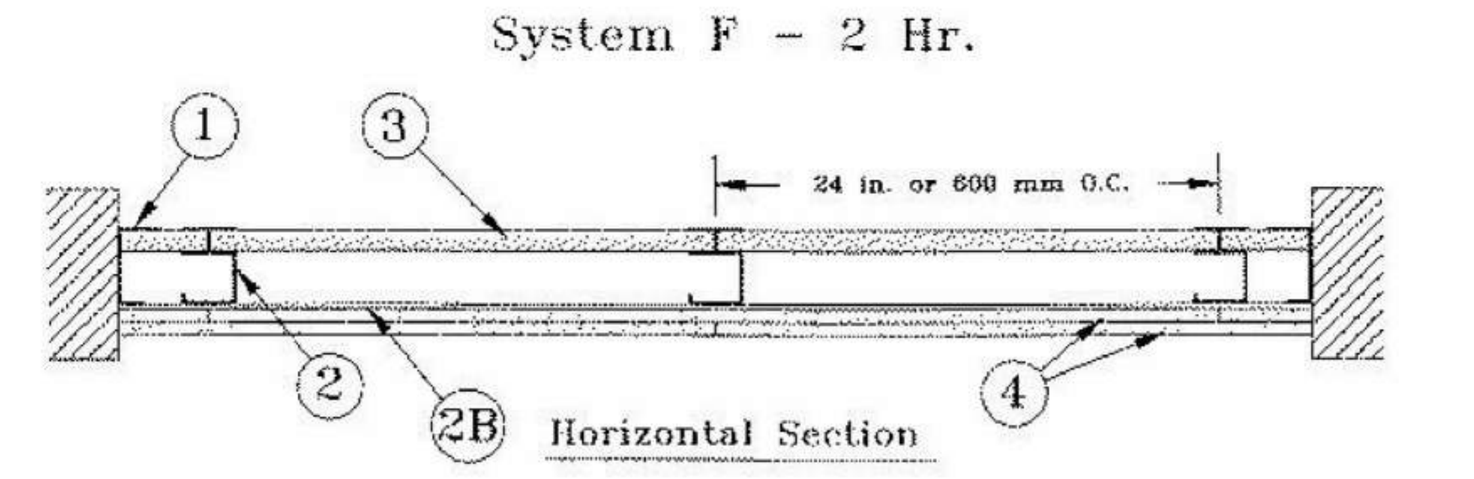
System D - 2 Hr.



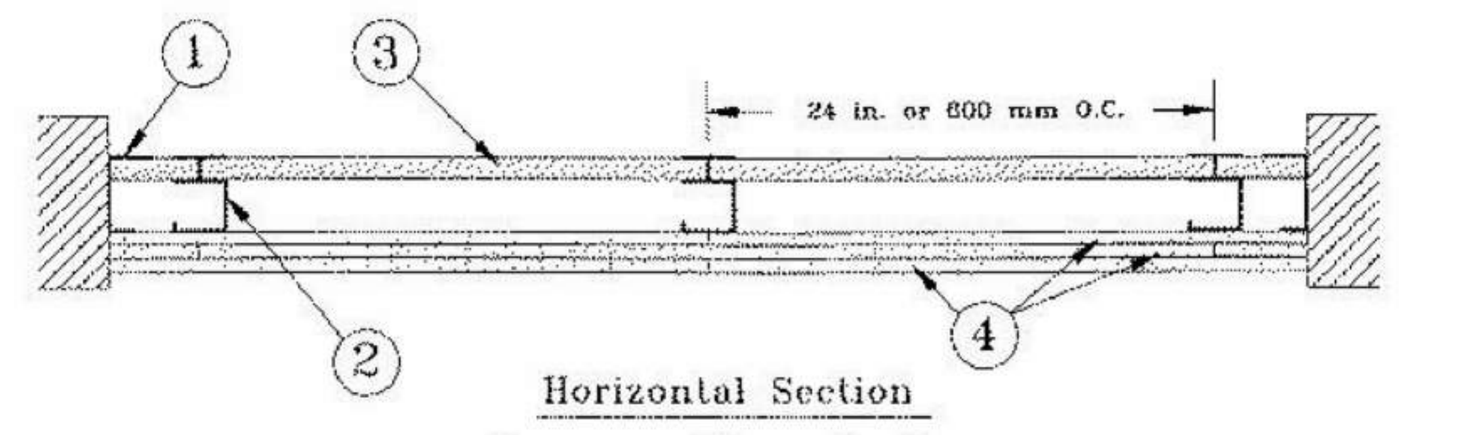
System E - 2 Hr.



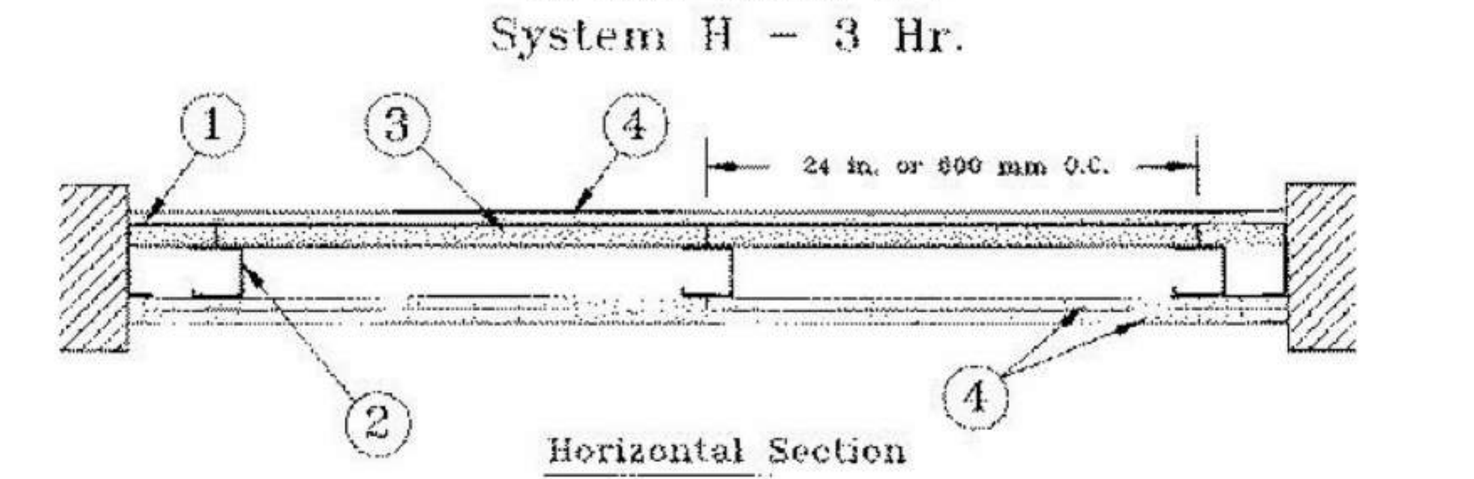
System F - 2 Hr.



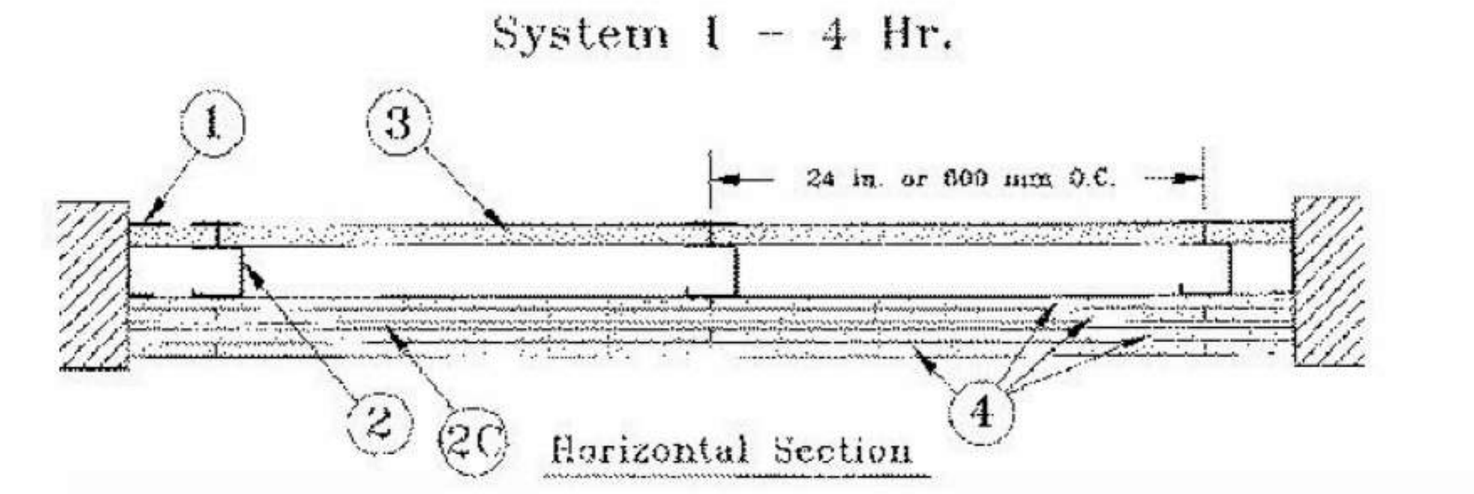
System G - 3 Hr.



System H - 3 Hr.



System I - 4 Hr.



1. **Floor, Side and Ceiling Runners —** "J" - shaped runner, min 2-1/2 in. deep (min 4 in. deep when System C is used), with unequal legs of 1 in. and 2 in., fabricated from min 24 MSG (min 20 MSG when Item 4A, 4B, 4C, 4D or 7 are used) galv steel. Runners positioned with short leg toward finished side of wall. Runners attached to structural supports with steel fasteners located not greater than 2 in. from ends and not greater than 24 in. OC. "E" - shaped studs (Item 2A) may be used as side runners in place of "J" - shaped runners. Runners may be supplied with securement tabs for gypsum liner panels (refer to Item 3).

1A. **Steel Framing Members (Floor, Side, and Ceiling Runners)* —** As an alternate to Item 1. "J"-shaped runner, min 2-1/2 in. deep, with unequal legs of 1 in. and min 2-1/4 in. fabricated from min. 25 MSG galv. Steel (min 20 MSG when Item 4A, 4B, 4C, 4D, or 7 are used). Runner positioned with short leg toward finished side of wall. Runners attached to structural supports with steel fasteners located not greater than 2 in. from wends and not greater than 24 in. OC. Runner may be supplied with securement tabs for gypsum liner panels (refer to Item 3).

SCAFCO STEEL STUD MANUFCATURING CO — I-Stud Shaftwall Steel Framing System

2. **Steel Studs —** "C-H" - shaped studs, min 2-1/2 in. deep (min 4 in. deep when System C is used), fabricated from min 25 MSG (min 20 MSG when Items 2D, 4A, 4B, 4C, 4D or 7 is used) galv steel. Cut to lengths 3/8 to 1/2 in. less than floor-to-ceiling height and spaced 24 in. or 600 mm OC (max 16 in. OC when Items 4A, 4B, 4C, or 4D are used).

2A. **Steel Studs —** (Not Shown) — "E" - shaped studs installed back to back in place of "C-H" - shaped studs (Item 2) "E" - shaped studs secured together with steel screws spaced a maximum 12 in. OC. Fabricated from min 25 MSG (min 20 MSG when Item 2D, 4A, 4B or 7 is used) galv steel, min 2-1/2 in. deep (min 4 in. deep when System C is used), with one leg 1 in. long and two legs 3/4 in. long. Shorter legs 1 in. apart to engage gypsum liner panels. Cut to lengths 3/8 to 1/2 in. less than floor to ceiling heights.

2B. **Furring Channels —** (Optional, Not Shown) — For use with single or double layer systems. Resilient furring channels fabricated from min 25MSG corrosion protected steel, installed horizontally, and spaced vertically a max 24 in. OC. Flange portion of channel attached to each intersecting "C-H" or "E" stud on side of stud opposite the 1 in. liner panels with 1/2 in. long Type S or S-12 pan-head steel screws. When furring channels are used, wallboard to be installed vertically only. . Not to be used with Type FRX-G gypsum board, lead backed gypsum boards (Items 4A-4D), or cementitious backer units (Item 7).

2C. **Furring Channels —** For use with System I - "Hat" - shaped, 25 MSG galv steel furring channels attached directly over the inner layers of wallboard to each stud with 2 in. long Type S pan head steel screws. Screws alternate from top flange to bottom flange at each stud intersection. Furring channels spaced vertically max 24 in. OC.

2D. **Steel Framing Members* —** (Optional, Not Shown) — For use with single or double layer systems. Furring channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum board, lead backed gypsum boards (Items 4A-4D), or cementitious backer units (Item 7).

a. **Furring Channels —** Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board installed vertically only and attached to furring channels as described in Item 4.

b. **Steel Framing Members* —** Used to attach furring channels (Item 2Da) to studs (Item 2 or 2A). Clips spaced max. 24 in. OC., and secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips. RSIC-1 clip for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) clip for use with 2-23/32 in. wide furring channels.
PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-1 (2.75)

2E. **Steel Framing Members* —** (Optional, Not Shown) — Furring channels and Steel Framing Members as described below. . Not to be used with Type FRX-G gypsum board, lead backed gypsum boards (Items 4A-4D), or cementitious backer units (Item 7).

a. **Furring Channels —** Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire.Gypsum board attached to furring channels as described in Item 4.

b. **Steel Framing Members* —** Used to attach furring channels (Item 2Ea) to studs. Clips spaced 24 in. OC., and secured to studs with 2 in. coarse drywall screw with 1 in. diam washer through the center hole. Furring channels are friction fitted into clips.
STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237R

2F. **Steel Framing Members* —** (Optional, Not Shown) — For use with single or double layer systems. Furring channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum board, lead backed gypsum boards (Items 4A-4D), or cementitious backer units (Item 7).

a. **Furring Channels —** Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board installed vertically only and attached to furring channels as described in Item 3.

b. **Steel Framing Members* —** Used to attach furring channels (Item 2Da) to studs (Item 2 or 2A). Clips spaced max. 24 in. OC. GENIECLIPS secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips.
PLITEQ INC — Type GENIECLIP

2G. **Steel Framing Members* —** (Optional, Not Shown) — Furring channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum board, lead backed gypsum boards (Items 4A-4D), or cementitious backer units (Item 7).

a. **Furring Channels —** Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 2Gb. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 4.

b. **Steel Framing Members* —** Used to attach furring channels (Item 2Ga) to studs. Clips spaced 24 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.
REGUPOL AMERICA — Type SonusClip

2H. **Steel Framing Members* —** (Optional, Not Shown) — Resilient channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum board, lead backed gypsum boards (Items 4A-4D), or cementitious backer units (Item 7).

a. **Resilient Channels —** Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with two No. 8 15 x 1/2 in. Philips Modified Truss screws spaced 2-1/2 in. from the center of the overlap. Gypsum board attached to resilient channels as described in Item 4.

b. **Steel Framing Members* —** Used to attach resilient channels (Item 2Ha) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Resilient channels are secured to clips with one No. 10 x 1/2 in. pan-head self-drilling screw.
KEENE BUILDING PRODUCTS CO INC — Type RC+ Assurance Clip

2I. **Steel Framing Members* —** (Optional, Not Shown) — For use with single or double layer systems. Furring channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum board, lead backed gypsum boards (Items 4A-4D), or cementitious backer units (Item 7).

a. **Furring Channels —** Formed of No. 25 MSG galv steel. 2-23/32 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board installed vertically only and attached to furring channels as described in Item 4.

b. **Steel Framing Members* —** Used to attach furring channels (Item 2Ia) to studs (Item 2 or 2A). Clips spaced max. 24 in. OC., and secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips.
CLARKDIETRICH BUILDING SYSTEMS — Type ClarkDietrich Sound Clip

2J. **Steel Studs —** (Not Shown) — "C-T" shaped studs, min. 2-1/2 in. deep (min. 4 in. deep when System C is used), fabricated from min. 25 MSG (min. 20 MSG when Items 2D, 4A, 4B, 4C, 4D, or 7 is used) galv. steel. Cut to lengths 3/8 to 1/2 in. less than floor-to-ceiling height and spaced 24 in. or 600 mm OC (max. 16 in. OC when Items 4A, 4B, 4C, or 4D are used).

2K. **Steel Studs —** As an alternate to Item 2, for use with Item 1A — "I"-shaped studs fabricated from min. 25 MSG galv. steel (min 20 MSG when Item 4A, 4B, 4C, 4D, or 7 are used), min. 2-1/2 in. deep, 1-1/2 in. wide. Studs contain 3/4 in. wide by 2-1/4 in. high holding tabs spaced 2-3/4 in. OC. Cut to lengths 5/8 in. less than floor-to-ceiling height and spaced 24 in.

SCAFCO STEEL STUD MANUFACTURING CO — I-Stud Shaftwall Steel Framing System

3. **Gypsum Board* —** Gypsum liner panels, nom 1 in. thick, 24 in. or 600 mm (for metric spacing) wide. Panels cut 1 in. less in length than floor to ceiling height. Vertical edges inserted in "T" shaped section of C-T studs, "H" portion of "C-H" studs, the holding tabs of the "I" shaped stud, or the gap between the two 3/4 in. legs of the "E" studs. Free edge of end panels attached to long leg of vertical "J" - runners with 1-5/8 in. long Type S steel screws spaced not greater than 12 in. OC. When wall height exceeds liner panel length, liner panel may be butted to extend to the full height of the wall. Horizontal joints need not be backed by steel framing. In System I, butt joints in liner panels are staggered min 36 in. Butt joints backed with 6 in. by 22 in. strips of 3/4 in. thick gypsum wallboard (Item 4). Wallboard strips centered over butt joints and secured to liner panels with six 1-1/2 in. long Type G steel screws, three screws along the 22 in. dimension at the top and bottom of the strips. For all systems, when J-shaped Runners (Item 1) are supplied with securement tabs, free edge of end panels may be secured by bending the securement tabs, max. 12 in. OC, to a 90 degree angle to securely friction-fit panels in J-shaped runners.
CGC INC — Type SLX

UNITED STATES GYPSUM CO — Type SLX

USG BORAL DRYWALL SFZ LLC — Type SLX

USG MEXICO S A DE C V — Type SLX

4. **Gypsum Board* —**

System A — 1 Hr
Gypsum panels, with beveled, square or tapered edges, nom 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally, attached to studs with 1 in. long Type S steel screws spaced 12 in. when installed vertically or 8 in OC when installed horizontally. Horizontal joints need not be backed by steel framing.

CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, ULX, USGX, WRC, WRX

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Types C and SCX

UNITED STATES GYPSUM CO — Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SGX, SHX, ULIX, ULX, WRC, WRX, USGX.

USG BORAL DRYWALL SFZ LLC — Types C, SCX, SGX, USGX

USG MEXICO S A DE C V — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC, WRX

System B — 2 Hr
Gypsum panels, with beveled, square or tapered edges, nom 1/2 in. or 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally in two layers. Inner or base layer attached to studs with 1 in. long Type S steel screws spaced 24 in. OC when installed vertically or 16 in. OC when installed horizontally. Outer or face layer attached to studs with 1-5/8 in. long Type S steel screws spaced 12 in. OC when installed vertically and staggered 12 in. from base layer screws or 8 in. OC when installed horizontally and staggered 8 in. from base layer screws. Horizontal joints between inner and outer layers staggered a min of 12 in. Horizontal joints need not be backed by steel framing. Vertical joints centered over studs and staggered 24 in.

CGC INC — 1/2 in. Type C, IP-X2, IPC-AR or WRC; 5/8 in. Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC, WRX

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Types C and SCX

UNITED STATES GYPSUM CO — 1/2 in. Types C, IP-X2, IPC-AR, or WRC; 5/8 in. Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SGX, SHX, ULIX, ULX, USGX, WRC, WRX.

USG BORAL DRYWALL SFZ LLC — 1/2 in. Type C; 5/8 in. Types C, SCX, SGX, USGX

USG MEXICO S A DE C V — 1/2 in. Types C, IP-X2, IPC-AR or WRC; 5/8 in. Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC, WRX

System C — 2 Hr
Gypsum panels, with beveled, square or tapered edges, nom 3/4 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally, secured with 1-1/4 in. long Type S steel screws spaced 8 in. OC along vertical edges and 12 in. OC in the field when installed vertically or 8 in. OC along the vertical edges and in the field when installed horizontally. Horizontal joints need not be backed by steel framing. Screws along side joints offset 4 in. Requires min 4 in. deep framing per Items 1, 2 and 3. Requires min 3 in. thick mineral wool batts per Item 6.

CGC INC — Types IP-X3 or ULTRACODE

UNITED STATES GYPSUM CO — Types IP-X3 or ULTRACODE

USG BORAL DRYWALL SFZ LLC — Type ULTRACODE

USG MEXICO S A DE C V — Types IP-X3 or ULTRACODE

System D — 2 Hr
Gypsum panels, with beveled, square or tapered edges, nom 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally, attached directly to studs with 1 in. long Type S steel screws spaced 24 in. when installed vertically or 16 in. OC when installed horizontally. Horizontal joints need not be backed by steel framing. Requires face layer of 1/2 or 5/8 in. thick cementitious backer units per Item 7 and min 1-1/2 in. thick mineral wool batts per Item 6.

CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC, WRX

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Types C and SCX

UNITED STATES GYPSUM CO — Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SGX, SHX, ULIX, ULX, USGX, WRC, WRX.

USG BORAL DRYWALL SFZ LLC — Types C, SCX, SGX, USGX

USG MEXICO S A DE C V — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC, WRX

System E — 2 Hr
Gypsum panels, with beveled, square or tapered edges, nom 1/2 in. or 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally, attached to studs with 1 in. long Type S steel screws spaced 12 in. OC when installed vertically or 8 in. when installed horizontally. Horizontal joints need not be backed by steel framing.

CGC INC — 1/2 in. Types C, IP-X2, IPC-AR; 5/8 in. Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC, WRX

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Types C and SCX

UNITED STATES GYPSUM CO — 1/2 in. Types C, IP-X2, IPC-AR; 5/8 in. Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SGX, SHX, ULIX, ULX, USGX, WRC, WRX.

USG BORAL DRYWALL SFZ LLC — 1/2 in. Type C; 5/8 in. Types C, SCX, SGX, USGX

USG MEXICO S A DE C V — 1/2 in. Types C, IP-X2, IPC-AR; 5/8 in. Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC, WRX

System F — 2 Hr
Gypsum panels, with beveled, square or tapered edges, nom 1/2 in. or 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically in two layers. Inner or base layer attached to resilient furring channels (Item 2B) with 1 in. long Type S steel screws spaced 24 in. Outer or face layer attached to resilient furring channels (Item 2B) with 1-5/8 in. long Type S steel screws spaced 12 in. OC and staggered 12 in. from base layer screws. Joints between inner and outer layers staggered 24 in.

CGC INC — 1/2 in. Type C, IP-X2, IPC-AR or WRC; 5/8 in. Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC, WRX

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Types C and SCX

UNITED STATES GYPSUM CO — 1/2 in. Type C, IP-X2, IPC-AR or WRC; 5/8 in. Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SGX, SHX, ULIX, ULX, USGX, WRC, WRX.

USG BORAL DRYWALL SFZ LLC — 1/2 in. Type C; 5/8 in. Types C, SCX

USG MEXICO S A DE C V — 1/2 in. Types C, IP-X2, IPC-AR or WRC; 5/8 in. Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC, WRX

System G — 3 Hr
Gypsum panels, with beveled, square or tapered edges, nom 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally in three layers. Inner or base layer attached to studs with 1 in. long Type S steel screws spaced 24 in. OC when installed vertically or 16 in OC when installed horizontally. Middle layer attached to studs with 1-5/8 in. long Type S steel screws spaced 24 in. when installed vertically or 16 in. OC when installed horizontally. Outer or face layer attached to studs with 2-1/4 in. long Type S steel screws spaced 16 in. when installed vertically or 12 in. OC when installed horizontally. Screws offset 6 in. from layer below. Horizontal joints on adjacent layers staggered a min of 12 in. . Horizontal joints need not be backed by steel framing. Vertical joints centered over studs and staggered 24 in. on adjacent layers.

CGC INC — Types C, IP-X2, IPC-AR, ULIX, WRC

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Type C

UNITED STATES GYPSUM CO — Types C, IP-X2, IPC-AR, ULIX, WRC

USG BORAL DRYWALL SFZ LLC — Type C

USG MEXICO S A DE C V — Types C, IP-X2, IPC-AR, WRC

System H — 3 Hr
Gypsum panels, with beveled, square or tapered edges, nom 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally, two layers over the flange of the "C" section of the studs, one layer over the flange of the "H" section of the studs. Inner or base layer attached to studs with 1 in. long Type S steel screws spaced 24 in. OC when installed vertically or 16 in. OC when installed horizontally. Face layer attached to studs with 1-5/8 in. long Type S steel screws spaced 16 in. when installed vertically or 12 in. OC when installed horizontally. Screws offset 6 in. from layer below. Horizontal joints on adjacent layers staggered a min of 12 in. Horizontal joints need not be backed by steel framing. Vertical joints centered over studs and staggered 24 in. on adjacent layers.

CGC INC — Types C, IP-X2, IPC-AR, ULIX, WRC

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Type C

UNITED STATES GYPSUM CO — Types C, IP-X2, IPC-AR, ULIX, WRC

USG BORAL DRYWALL SFZ LLC — Type C

USG MEXICO S A DE C V — Types C, IP-X2, IPC-AR, WRC

System I — 4 Hr
Gypsum panels, with beveled, square or tapered edges, nom 3/4 in. thick, 4 ft wide (or 1200 mm for metric spacing) wallboard with square or tapered edges. Total of four layers to be used. First and second (inner) layers applied vertically or horizontally over the steel studs. Horizontal joints need not be backed by steel framing. When applied vertically, joints centered over studs and staggered min 24 in., otherwise all joints staggered min 12 in. First layer secured to studs with 1-1/4 in. long Type S self-drilling, self-tapping bugle-head steel screws spaced 24 in. OC. Second layer secured to studs with 2-1/4 in. long Type S self-drilling, self-tapping bugle-head steel screws spaced 12 in. OC. Third layer applied vertically over the furring channels (Item 2C) with a 1-1/4 in. long Type S self-drilling, self-tapping bugle-head steel screws spaced 12 in. OC. Fourth layer applied vertically or horizontally with 2-1/4 in. long Type S self-drilling, self-tapping bugle-head steel screws spaced 12 in. OC. When applied vertically, joints to be staggered min 24 in. from third layer, otherwise all joints staggered min 12 in.

CGC INC — Types IP-X3 or ULTRACODE

UNITED STATES GYPSUM CO — Types IP-X3 or ULTRACODE

USG BORAL DRYWALL SFZ LLC — Type ULTRACODE

USG MEXICO S A DE C V — Types IP-X3 or ULTRACODE

4A. **Gypsum Board* —** (As an alternate to Item 4 Systems A, B, C, D, E, G, H, and I when used as the base layer, For direct attachment only) — Nom 5/8 in. or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel studs and staggered min 1 stud cavity on opposite sides of studs. See Items 1, 2, 2A, 2B and 2D. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. For Joint Compound see Item 5. To be used with Lead Batten Strips (see Item 9) or Lead Discs or Tabs (see Item 10).
RAY-BAR ENGINEERING CORP — Type RB-LBG

4B. **Gypsum Board* —** (As an alternate to Item 4 Systems A, B, C, D, E, G, H, and I when used as the base layer, For direct attachment only) — Nominal 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 (or #6 by 1-1/4 in. long bugle head fine driller) steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.
NEW ENGLAND LEAD BURNING CO INC, DBA NELCO — Type Nelco

4C. **Gypsum Board* —** (As an alternate to Item 4 Systems A, B, C, D, E, G, H, and I when used as the base layer, For direct attachment only) — Nom 5/8 or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel studs and staggered min 1 stud cavity on opposite sides of studs. See Items 1, 2, 2A, 2B and 2D. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. For Joint Compound see Item 5. To be used with Lead Batten Strips (see Item 9A) or Lead Discs (see Item 10A). Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 10 ft long with a max thickness of 0.140 in. placed on the face of studs and attached to the stud with two 1 in. long Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip.
MAYCO INDUSTRIES INC — Type X-Ray Shielded Gypsum

4D. **Gypsum Board* —** (As an alternate to Item 4 Systems A, B, C, D, E, G, H, and I when used as the base layer, For direct attachment only) — Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws gypsum panel steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".
RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

5. **Joint Tape and Compound —** (Not Shown)
Systems A, B, C, E, F, G, H, I
Joints on outer layers of gypsum boards (Item 4 and 4A) covered with paper tape and joint compound. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges. Exposed screw heads covered with joint compound.

6. **Batts and Blankets* —**
Systems A, B, E, F, G, H, I
(Optional) — Mineral wool or glass fiber batts partially or completely filling stud cavity. Any mineral wool or glass fiber batt mineral bearing the UL Classification Marking as to Fire Resistance.

Systems C & D
Min 3 in. (System C) and min 1-1/2 in. (System D) thick mineral wool batts, friction fitted between the studs and floor and ceiling runners.

ROCKWOOL — Type AFB, min. density 1.8 pcf / 28.8 kg/m^3

THERMAFIBER/OWENS CORNING — Type SAFB, SAFB FF

7. **Cementitious Backer Units* —** (System D) — Nom 1/2 or 5/8 in. thick panels, square edge, attached to studs over gypsum wallboard with 1-5/8 in. long, Type S-12, corrosion resistant steel screws spaced 8 in. OC and staggered 8 in. from gypsum wall board screws. Joints covered with glass fiber mesh tape. Vertical joints staggered one stud cavity from gypsum wallboard joints. Horizontal joints staggered a min of 12 in. from the gypsum wallboard joints.
UNITED STATES GYPSUM CO — Type DCB

8. **Laminating Adhesive* —** (Optional, Not Shown) — Used to bond outer layer of Cementitious Backer Units (Item 7) to inner layers of Gypsum Board (Item 4) in System D. ANSI A136.1 Type 1 organic adhesive applied with 1/4 in. square notched trowel. See Adhesives (BYWR) in the Fire Resistance Directory or Adhesives (BJLZ) in the Building Materials Directory for names of Classified companies.

9. **Lead Batten Strips —** (Not Shown, For Use With Item 4A) — Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 4A) and optional at remaining stud locations. Required behind vertical joints.

9A. **Lead Batten Strips —** (Not Shown, for use with Item 4C) — Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.140 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.5% meeting the Federal specification QQ-L-201f, Grades "B, C or D".. Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 6) and optional at remaining stud locations.

10. **Lead Discs or Tabs —** (Not Shown, For Use With Item 4A) — Used in lieu of or in addition to the lead batten strips (Item 9) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 4A) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

10A. **Lead Discs —** (Not Shown, for use with Item 4C) — Max 5/16 in. diam by max 0.140 in. thick lead discs compression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.5% meeting the Federal Specification QQ-L-201f, Grades "B, C or D".

11. **Lead Batten Strips —** (Not Shown, For Use With Item 4B) — Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.142 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 4B) and optional at remaining stud locations.

12. **Lead Tabs —** (Not Shown, For Use With Item 4B) — 2 in. wide, 5 in. long with a max thickness of 0.142 in. Tabs friction-fit around front face of stud, the stud folded back flange, and the back face of the stud. Tabs required at each location where a screw (that secures the gypsum boards, Item 4B) will penetrate the steel stud. Lead tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead tabs may be held in place with standard adhesive tape if necessary.

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2025-07-31

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL Solutions' Follow - Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL Solutions' Follow - Up Service. Always look for the Mark on the product.

UL Solutions permits the reproduction of the material contained in Product iQ subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from Product iQ with permission from UL Solutions" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "©2026 UL LLC."

4/2/2026 11:45:45 AM Autodesk Docs://024370.00_Brunswick County Health & Human Services/ARCH_Brunswick County Health and Human Servic_R23.rvt

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2026 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 54314 NORTH CAROLINA CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED ARCHITECT SEAL 17168

02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
UL U415

SHEET NO. G004.3
PROJ. NO. 024370.01

Product iQ®

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States
BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States
Design Criteria and Allowable Variances

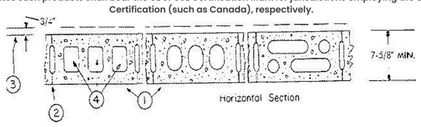
See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada
Design Criteria and Allowable Variances

Design No. **U905**

April 14, 2023

Bearing Wall Rating — 2 HR.
Nonbearing Wall Rating — 2 HR
This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



Horizontal Section

1. **Concrete Blocks*** — Various designs. Classification D-2 (2 hr).
See **Concrete Blocks** category for list of eligible manufacturers.

2. **Mortar** — Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.

3. **Portland Cement Stucco or Gypsum Plaster** — Add 1/2 hr to classification if used. Where combustible members are framed in wall, plaster or stucco must be applied on the face opposite framing to achieve a max. Classification of 1-1/2 hr. Attached to concrete blocks (Item 1).

4. **Loose Masonry Fill** — If all core spaces are filled with loose dry expanded slag, expanded clay or shale (Rotary Kiln Process), water repellant vermiculite masonry fill insulation, or silicone treated perlite loose fill insulation add 2 hr to classification.

5. **Foamed Plastic*** — (Optional-Not Shown) — 1-1/2 in. thick max, 4 ft wide sheathing attached to concrete blocks (Item 1).
ATLAS ROOFING CORP — EnergyShield Pro Wall Insulation, EnergyShield Pro 2 Wall Insulation, EnergyShield CGF Pro, EnergyShield Ply Pro, EnergyShield® CGF, EnergyShield® PanelCast, EnergyShield® and "EnergyShield® XR

DUPONT DE NEMOURS, INC. — Types Thermax Sheathing, Thermax Light Duty Insulation, Thermax Heavy Duty Insulation, Thermax Metal Building Board, Thermax White Finish Insulation, Thermax ci Exterior Insulation, Thermax XARMOR ci Exterior Insulation, Thermax IH Insulation, Thermax Plus Liner Panel, Thermax Heavy Duty Plus (HDP), TUFF-R™ ci Insulation, Thermax Butler Stylwall Insulation Board and Thermax Morton Heavy Duty Insulation Board

Holcim Solutions and Products US, LLC — "Enverge™ CI Foil Exterior Wall Insulation" and "Enverge™ CI Glass Exterior Wall Insulation"

HUNTER PANELS, A DIVISION OF CARLISLE CONSTRUCTION MATERIALS, LLC — Types "Xci-Class A", "Xci Foil (Class A)", "Xci 286"

RMAX, A BUSINESS UNIT OF SIKA CORPORATION — Types "TSX-8500", "ECOMAXci FR", "TSX-8510", "ECOMAX xi FR White", "ECOMAXci", "ECOMAXci FR Air Barrier", "Thermasheath-XP", "Thermasheath", "Durasheath"

JOHNS MANVILLE — Type "AP Foil-Faced Foam Sheathing"

5A. **Building Units*** — As an alternate to Items 5, min. 1-in thick polyisocyanurate composite foamed plastic insulation boards, nom. 48 by 48 or 96 in.

ATLAS ROOFING CORP — EnergyShield® Ply

HUNTER PANELS, A DIVISION OF CARLISLE CONSTRUCTION MATERIALS, LLC — "Xci NB", "Xci Ply"

RMAX, A BUSINESS UNIT OF SIKA CORPORATION — "Thermasheath-SI", "ECOBASEci", "ThermaBase-CI", "ECOMAXci FR Ply", "ECOMAXci Ply".

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2023-04-14

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL Solutions' Follow - Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL Solutions' Follow - Up Service. Always look for the Mark on the product.

UL Solutions permits the reproduction of the material contained in Product iQ subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from Product iQ with permission from UL Solutions" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "©2025 UL LLC."

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF SIGNING CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED ON REQUEST. ACCEPTANCE OF THE MCMILLAN PAZDAN SMITH ARCHITECTURE DRAWINGS, SPECIFICATIONS OR DIGITAL DATA CONSTITUTES AGREEMENT WITH THE FOREGOING RESTRICTIONS. THE PROJECT IS NOT TO BE CONSTRUCTED BY REPLICATION IN DERIVATIVES OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHTED WORKS WITHOUT EXPRESS WRITTEN DIRECTIONS TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RIGHTS. © COPYRIGHT 2023 MCMILLAN PAZDAN SMITH.
ALL RIGHTS RESERVED

4/2/2026 11:45:37 AM - Archived Docs (PROTECTED By: Brunswick County Health & Human Services(BCP) - Brunswick County Health and Human Services, 2021.rvt

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, PC — CERT. NO. 54314 — REGISTERED ARCHITECTURAL CORPORATION — NORTH CAROLINA — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA — REGISTERED — SEAL 17168 — LAURIE MARIE CONNELLY
02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

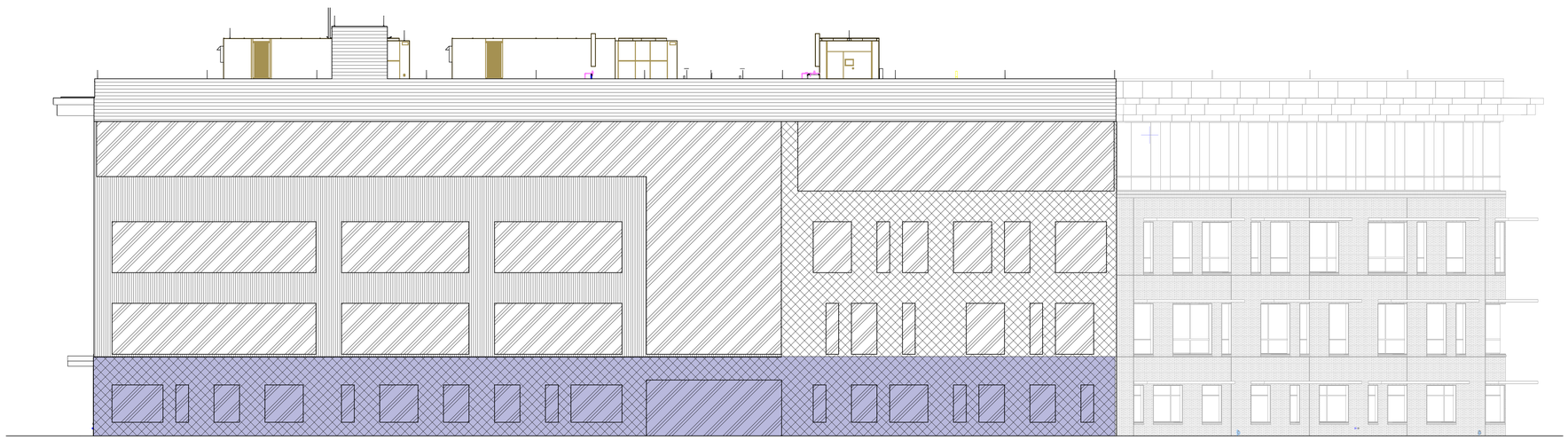
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
UL U905

SHEET NO. G004.5

PROJ. NO. 024370.01



PERCENT OPENING AREA LEVEL ONE: 3117 SF (WALL) / 932 SF (OPENING)
29.9%

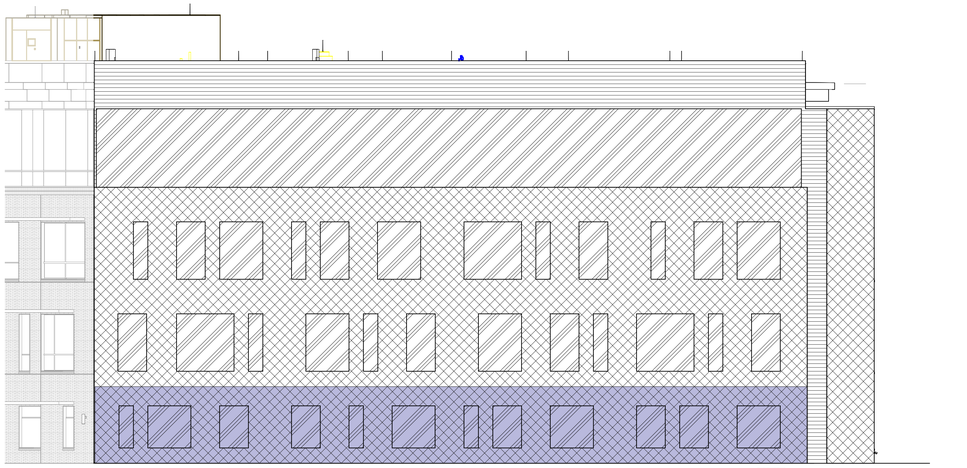
MCM WALL AREA : 1,784 SF

OKO SKIN WALL AREA : 7,126 SF - OPEN AREA: 5,023

BRICK WALL AREA : 6,138 SF - OPEN AREA : 1,582

OPENING AREA

B1 G010 **COM CHECK ELEVATION - SOUTH WEST**
3/32" = 1'-0"



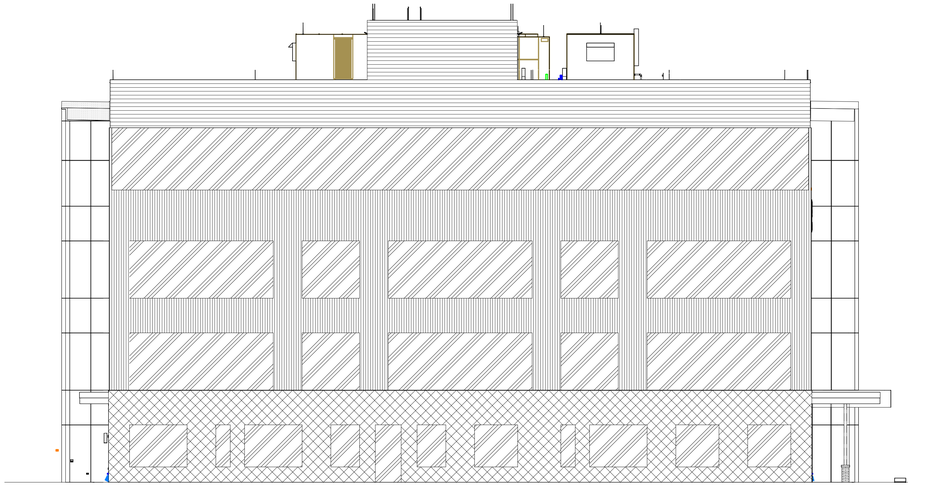
PERCENT OPENING AREA LEVEL ONE:1875 SF (WALL) / 470 SF (OPENING)
25.1%

MCM WALL AREA : 2,936 SF - OPEN AREA : 1,675

BRICK WALL AREA : 6,459 SF - OPEN AREA : 1,733

OPENING AREA

A1 G010 **COM CHECK ELEVATION -SOUTH EAST**
3/32" = 1'-0"



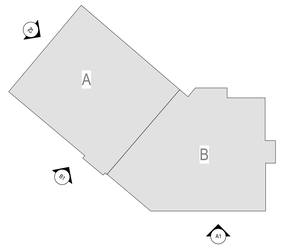
MCM WALL AREA : 1,286 SF

OKO SKIN WALL AREA : 5,574 SF - OPEN AREA: 3,212

BRICK WALL AREA : 1,957 SF - OPEN AREA: 540

OPENING AREA

A2 G010 **COM CHECK ELEVATION - WEST**
3/32" = 1'-0"



mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 54314 NORTH CAROLINA CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17168 ARCHITECT LISA MARIE CONNELLY 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

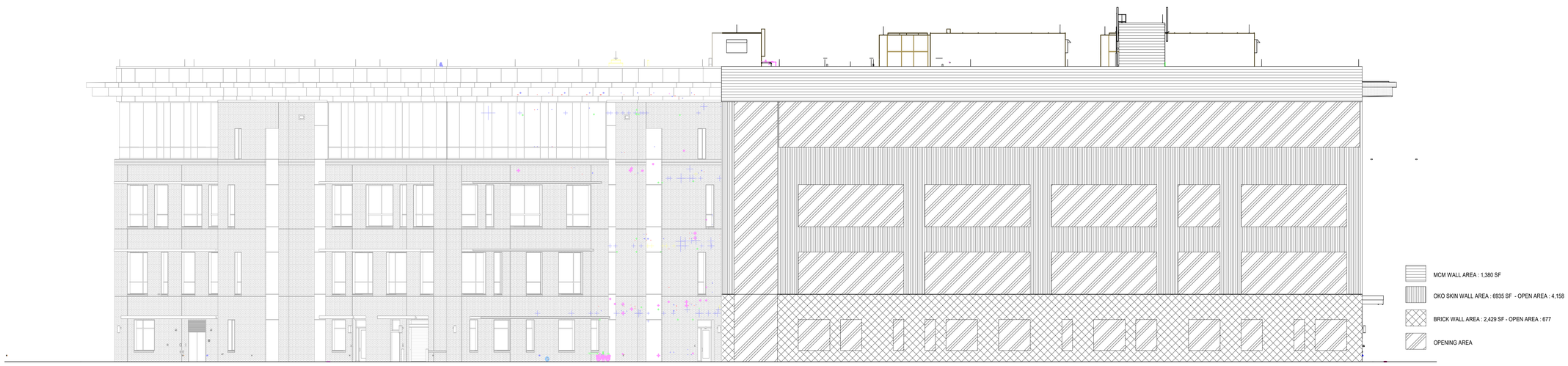
PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
ALLOWABLE OPENING CALCULATIONS

SHEET NO. G010

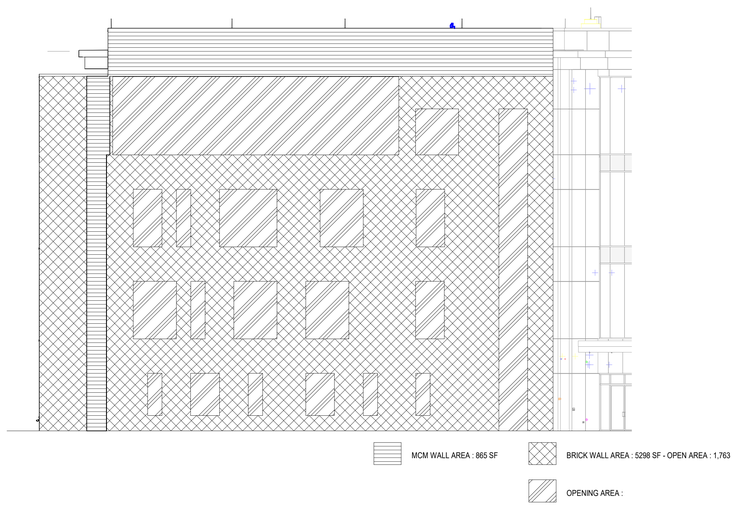
PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON A WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR STORED, ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED



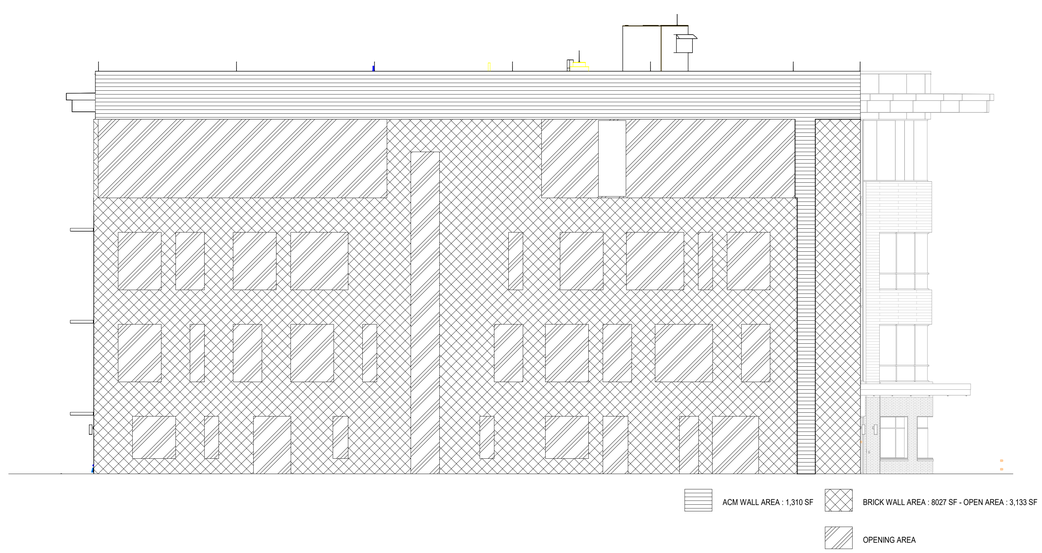
B1 G011 **COM CHECK ELEVATION - NORTH WEST**

3/32" = 1'-0"



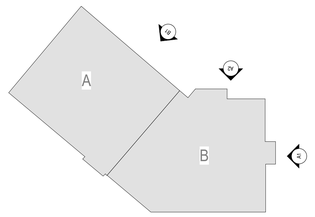
A2 G011 **COM CHECK ELEVATION - NORTH EAST**

3/32" = 1'-0"



A1 G011 **COM CHECK ELEVATION - EAST**

3/32" = 1'-0"



mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERT. NO. 54314 REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17165 ANN MARIE CONNELLY 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

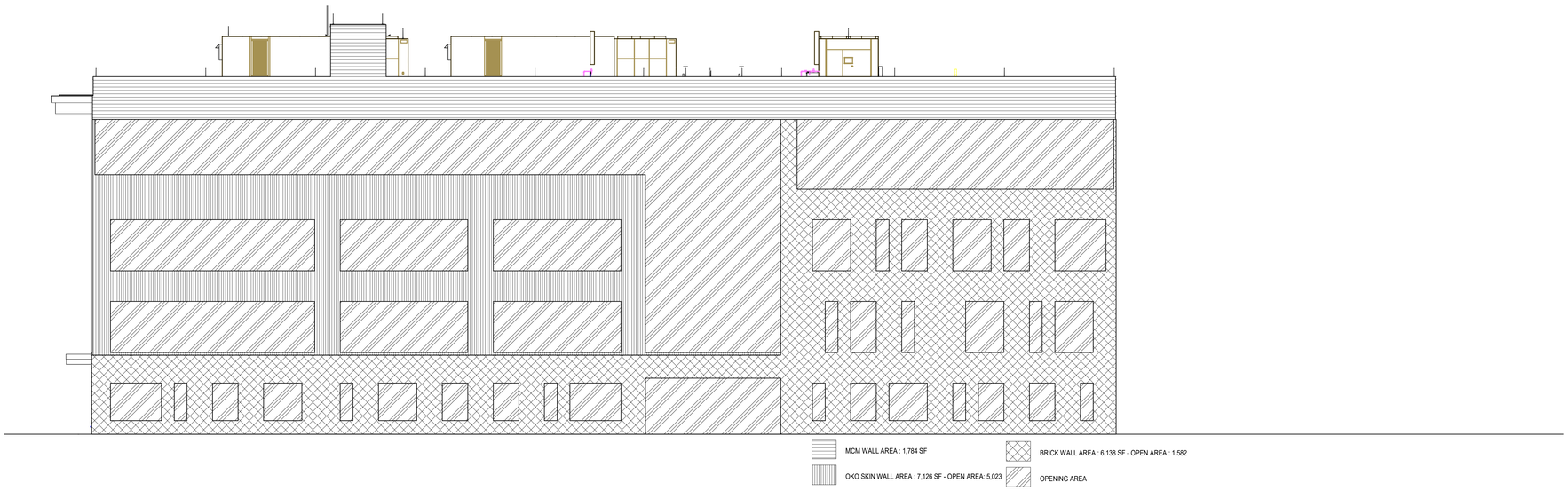
PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:

ALLOWABLE OPENING CALCULATIONS

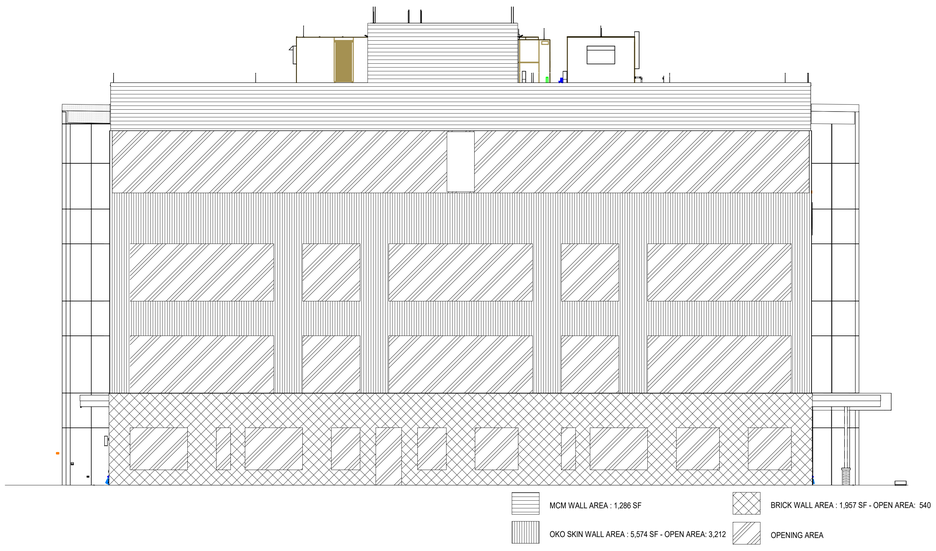
SHEET NO. G011

PROJ. NO. 024370.01



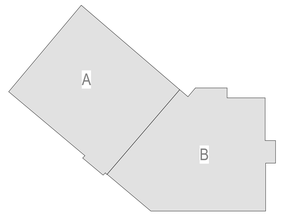
1 G013 **OPENING PERCENTAGES ELEVATION - SOUTH WEST**

3/32" = 1'-0"



2 G013 **OPENING PERCENTAGES ELEVATION - WEST**

3/32" = 1'-0"



4/2/2026 11:47:25 AM - Architect Row (DESIGN) M: Brunswick County Health & Human Services\BCHS - Brunswick County Health and Human Services_R25_v1
ALL DRAWINGS, SPECIFICATIONS AND CONCEPTS FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR ALL REPRODUCTIONS DESTROYED ON REQUEST AT THE COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. © COPYRIGHT 2025 MCMILLAN PAZDAN SMITH ARCHITECTURE
ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERT. NO. 54314 REGISTERED LICENSED ARCHITECTURAL CORPORATION NORTH CAROLINA CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17168 LEE MARIE CONNELLY 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

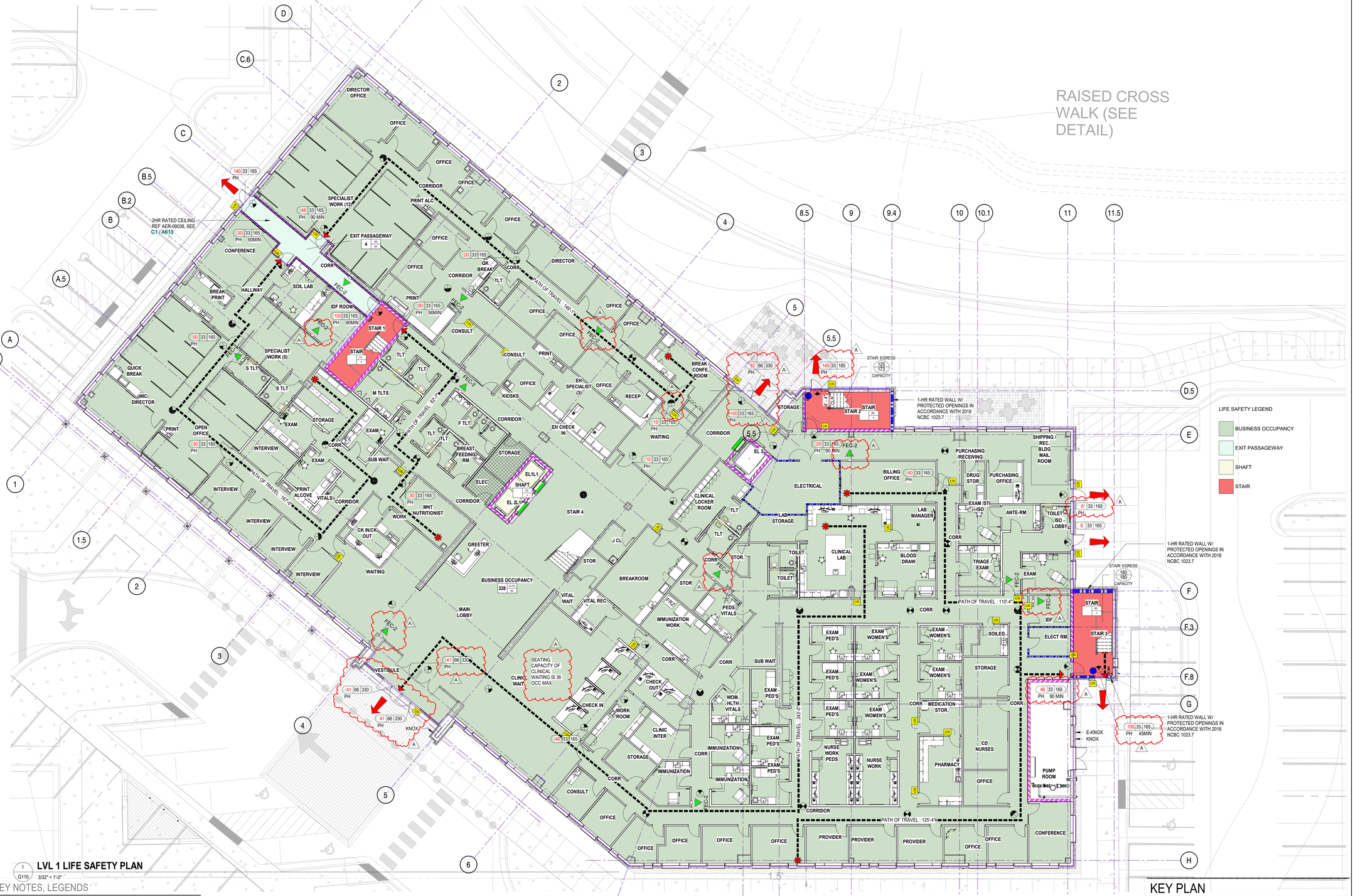
PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:

ALLOWABLE OPENING CALCULATIONS

SHEET NO. G013

PROJ. NO. 024370.01



1 G110 **LVL 1 LIFE SAFETY PLAN** 3/32" = 1'-0"

NOTES, KEY NOTES, LEGENDS

LIFE SAFETY LEGEND

FIRE RATING AND FIRE PROOFING NOTES:

1. SEE FLOOR PLAN (S) AND WALL TYPES SCHEDULE FOR WALL ASSEMBLY AND TYPES.

2. FIRE CAULK AROUND ALL ELECTRICAL CONDUIT, PENETRATIONS, ETC. PASSING THROUGH FIRE RATED WALLS.

3. SEE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR SPECIAL DETAILS WHERE DUCTWORK AND PIPING IS PASSING THROUGH RATED AND NON RATED WALLS.

AREA OCCUPANCY TAG(S)

ASSEMBLY — OCCUPANCY TYPE
45 (S.60 / W) — AREA SQ FT
SF PER OCCUPANT
OCCUPANCY LOAD

DOOR EGRESS TAG

200 33 240 PH 45 MIN
EXIT OCCUPANT LOAD
EXIT CLEAR WIDTH
EGRESS CAPACITY
FIRE RATING (IN MINUTES)
PANIC HARDWARE

OVERHEAD SMOKE CURTAIN- TIED TO FIRE ALARM SEE FIRE PROTECTION DWGS

STANDPIPE - SEE FIRE PROTECTION DWGS

SHADING INDICATES STRUCTURAL BAYS TO RECEIVE 2-HOUR RATING. ALL STRUCTURAL MEMBERS IN THESE BAYS TO RECEIVE SPRAY-APPLIED FIRE PROOFING.

EGRESS PATH(S)

PATH OF TRAVEL: 86'-10" — EXIT ACCESS TRAVEL DISTANCE (IN FEET)
EXIT ACCESS
EXIT
PATH OF TRAVEL: 86'-10" — COMMON EXIT ACCESS
BUILDING EXIT

SHADING INDICATES STRUCTURAL SHAFTS RECEIVE 2-HOUR RATING.

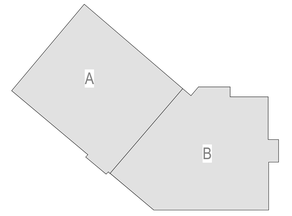
FACP — FIRE ALARM CONTROL PANEL (REFER TO ELEC DWGS)
FA REMOTE — FIRE ALARM REMOTE ANNUNCIATOR PANEL (REFER TO ELEC DWGS)
ILLUMINATED EGRESS SIGNAGE (REFER TO ELEC DWGS)
FEC-2 — SEMI-RECESSED FIRE EXTINGUISHER CABINET 10 lb DRY CHEMICAL , MULTI-PURPOSE COMPLY WITH ANSI / ADA MOUNTING HEIGHT REQUIREMENTS TO TOP OF EXTINGUISHER HANDLE (NOT CABINET)
BRACKET MOUNTED FIRE EXTINGUISHER 10 lb DRY CHEMICAL , MULTI-PURPOSE
AED — AUTOMATED EXTERNAL DEFIBRILLATOR (AED)
KNOX — FIRE DEPT (KEY) KNOX BOX 3200 RECESS MOUNT - BLACK MOUNT AT 5'-0" AFF
E-KNOX — FIRE DEPT (ELECTRICAL SHUT OFF) KNOX BOX, RECESSED MOUNT RAPID ACCESS 4500 SHUTDOWN STATION - RED MOUNT AT 5'-0" AFF
BDA — (BDA / DAS) RADIO ENHANCEMENT PANEL CONTROLLER. DESIGN BY OTHERS VIA ALLOWANCE

RATED WALLS LEGEND

1 HOUR FIRE PARTITION
1 HOUR FIRE BARRIER
1 HOUR SMOKE BARRIER
2 HOUR FIRE BARRIER
2 HOUR SMOKE BARRIER
2 HOUR FIRE WALL

OCCUPANT LOAD

KEY PLAN



NOTE: THIS SHEET IS ISSUED IN COLOR. IF PRINTED IN BLACK AND WHITE THE COLOR OF THE WALL RATINGS AND SMOKE COMPARTMENTS MAY NOT BE LEGIBLE

PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERT. NO. 54314 REGISTERED ARCHITECTURAL CORPORATION CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17169 ANNE MARIE CONNOLLY 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/26	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
LEVEL 01 LIFE SAFETY PLAN

SHEET NO. G110
PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR STORED, ACCOUNTED FOR, TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THIS PROJECT DOES NOT TERMINATE OR IMPAIR THE RESERVATION OF COMMON LAW COPYRIGHT OR OTHER PROPERTY RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED



LIFE SAFETY PLAN NOTES

1. SHAFTS CONNECTING 3 STORIES ARE REQUIRED TO HAVE A 1-HR FIRE RATING PER 2018 NCBC / 2015 IBC 713.4. THIS SHAFT CONNECTS LEVELS 2,3, & 4. THE SLAB THICKNESS PROVIDES THE 1-HR RATING AT THE BOTTOM OF THE SHAFT. PROVIDE SPRAY APPLIED FIRE PROOFING FOR SUPPORTING STRUCTURE AS INDICATED ON DRAWING G120.

LIFE SAFETY LEGEND

- BUSINESS OCCUPANCY
- ELEVATORS
- MECH SHAFT
- STAIR

NOTES: K G111

LVL 2 LIFE SAFETY PLAN

3/32" = 1'-0"

LIFE SAFETY LEGEND

FIRE RATING AND FIRE PROOFING NOTES:

1. SEE FLOOR PLAN (S) AND WALL TYPES SCHEDULE FOR WALL ASSEMBLY AND TYPES.

2. FIRE CAULK AROUND ALL ELECTRICAL CONDUIT, PENETRATIONS, ETC. PASSING THROUGH FIRE RATED WALLS.

3. SEE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR SPECIAL DETAILS WHERE DUCTWORK AND PIPING IS PASSING THROUGH RATED AND NON RATED WALLS.

AREA OCCUPANCY TAG(S)

ASSEMBLY — OCCUPANCY TYPE
45 — AREA SQ FT
SF PER OCCUPANT
OCCUPANCY LOAD

DOOR EGRESS TAG

200 | 33 | 240 — EXIT OCCUPANT LOAD
EXIT CLEAR WIDTH
EGRESS CAPACITY
PH 45 MIN — FIRE RATING (IN MINUTES)
PANIC HARDWARE

OVERHEAD SMOKE CURTAIN- TIED TO FIRE ALARM SEE FIRE PROTECTION DWGS

STANDPIPE - SEE FIRE PROTECTION DWGS

SHADING INDICATES STRUCTURAL BAYS TO RECEIVE 2-HOUR RATING. ALL STRUCTURAL MEMBERS IN THESE BAYS TO RECEIVE SPRAY-APPLIED FIRE PROOFING.

EGRESS PATH(S)

PATH OF TRAVEL: 86'-10" — EXIT ACCESS TRAVEL DISTANCE (IN FEET)
EXIT ACCESS
EXIT
PATH OF TRAVEL: 86'-10" — COMMON EXIT ACCESS

BUILDING EXIT

SHADING INDICATES STRUCTURAL SHAFTS RECEIVE 2-HOUR RATING.

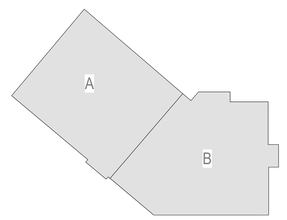
FACP	FIRE ALARM CONTROL PANEL (REFER TO ELEC DWGS)
FA REMOTE	FIRE ALARM REMOTE ANNUNCIATOR PANEL (REFER TO ELEC DWGS)
	ILLUMINATED EGRESS SIGNAGE (REFER TO ELEC DWGS)
FEC-2	SEMI-RECESSED FIRE EXTINGUISHER CABINET 10 lb DRY CHEMICAL , MULTI-PURPOSE COMPLY WITH ANSI / ADA MOUNTING HEIGHT REQUIREMENTS TO TOP OF EXTINGUISHER HANDLE (NOT CABINET)
	BRACKET MOUNTED FIRE EXTINGUISHER 10 lb DRY CHEMICAL , MULTI-PURPOSE
AED	AUTOMATED EXTERNAL DEFIBRILLATOR (AED)
KNOX	FIRE DEPT (KEY) KNOX BOX 3200 RECESS MOUNT - BLACK MOUNT AT 5'-0" AFF
E-KNOX	FIRE DEPT (ELECTRICAL SHUT OFF) KNOX BOX, RECESSED MOUNT RAPID ACCESS 4500 SHUTDOWN STATION - RED MOUNT AT 5'-0" AFF
BDA	(BDA / DAS) RADIO ENHANCEMENT PANEL CONTROLLER. DESIGN BY OTHERS VIA ALLOWANCE

RATED WALLS LEGEND

- 1 HOUR FIRE PARTITION
- 1 HOUR FIRE BARRIER
- 1 HOUR SMOKE BARRIER
- 2 HOUR FIRE BARRIER
- 2 HOUR SMOKE BARRIER
- 2 HOUR FIRE WALL

OCCUPANT LOAD

KEY PLAN



NOTE: THIS SHEET IS ISSUED IN COLOR. IF PRINTED IN BLACK AND WHITE THE COLOR OF THE WALL RATINGS AND SMOKE COMPARTMENTS MAY NOT BE LEGIBLE

PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. — CERT. NO. 54314 — REGISTERED ARCHITECTURAL CORPORATION — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED — SEAL 17168 — LEE MARIE CONNELLY — 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE:	02/06/2026
PHASE:	PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/26	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE:	M. SHEWARD
PROJECT ARCHITECT:	L. HOWELL
DRAWN BY:	Author

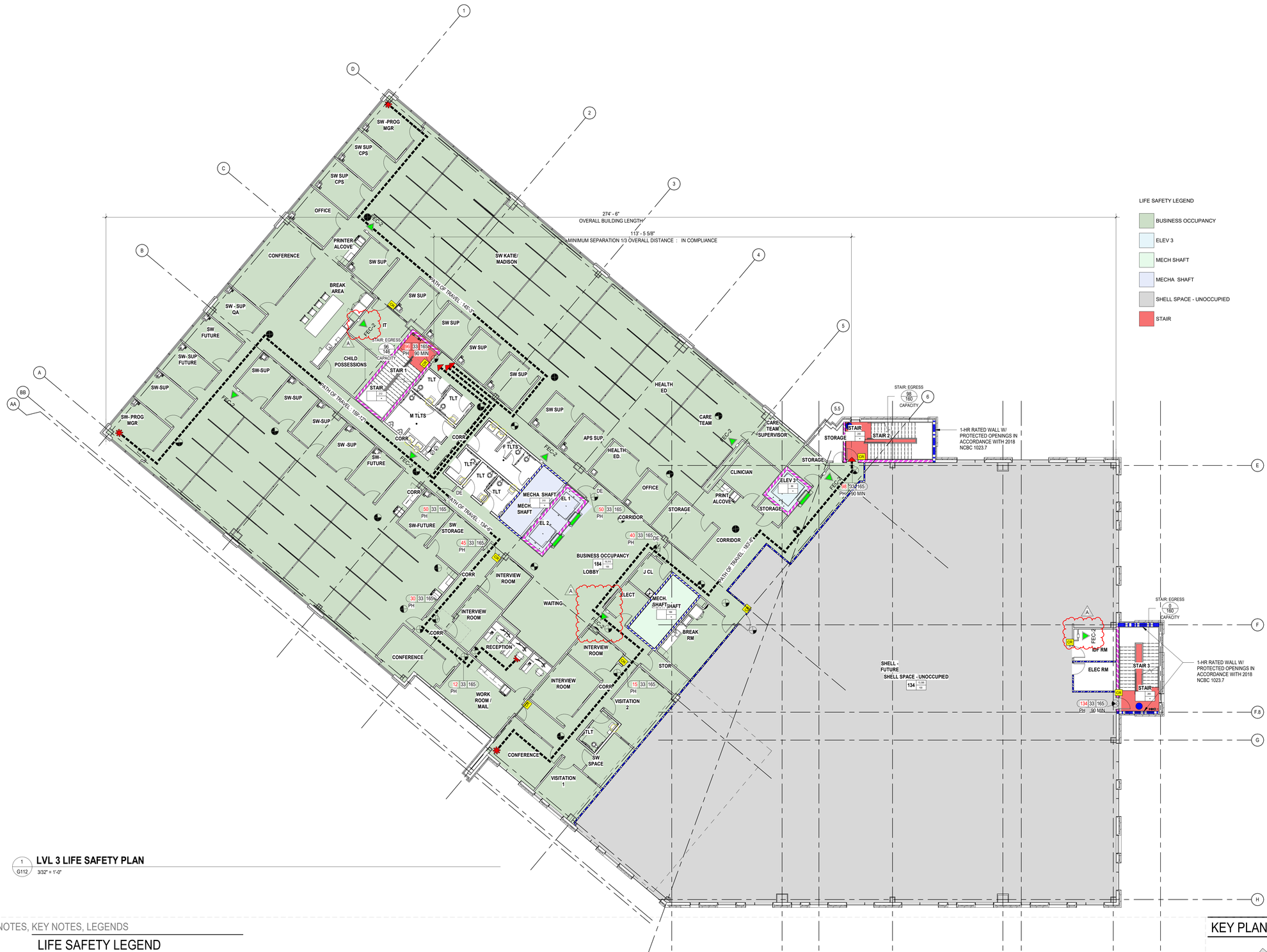
SHEET TITLE:

LEVEL 02 LIFE SAFETY PLAN

SHEET NO. G111

PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE DRAWINGS AND SPECIFICATIONS ARE NOT TO BE USED ON ANY PROJECT OTHER THAN THE PROJECT FOR WHICH THEY HAVE BEEN PREPARED, AND ARE NOT TO BE CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY, WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ANY UNAUTHORIZED USE, REUSE OR MODIFICATION OF THESE DRAWINGS AND SPECIFICATIONS WILL BE AT THE SOLE RISK OF THE PARTY USING OR MODIFYING THEM AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO MCMILLAN PAZDAN SMITH ARCHITECTURE. THE ARCHITECT'S PROFESSIONAL SERVICES FOR THIS PROJECT ARE LIMITED TO THE SCOPE AUTHORIZED BY THE OWNER. ANY REUSE OF THESE DRAWINGS AND SPECIFICATIONS BY THE OWNER OR ANY THIRD PARTY ON OTHER PROJECTS, FOR ADDITIONS TO THIS PROJECT, OR FOR COMPLETION OF THIS PROJECT BY OTHERS, SHALL BE AT THE OWNER'S AND USER'S SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO THE ARCHITECT AND THE ARCHITECT'S CONSULTANTS. THE OWNER AND USER SHALL INDEMNIFY AND HOLD HARMLESS THE ARCHITECT AND THE ARCHITECT'S CONSULTANTS FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING ATTORNEYS' FEES, ARISING OUT OF OR RESULTING FROM SUCH REUSE OF THESE DRAWINGS AND SPECIFICATIONS. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED



1 G112 **LVL 3 LIFE SAFETY PLAN**

3/32" = 1'-0"

NOTES, KEY NOTES, LEGENDS

LIFE SAFETY LEGEND

FIRE RATING AND FIRE PROOFING NOTES:

1. SEE FLOOR PLAN (S) AND WALL TYPES SCHEDULE FOR WALL ASSEMBLY AND TYPES.

2. FIRE CAULK AROUND ALL ELECTRICAL CONDUIT, PENETRATIONS, ETC. PASSING THROUGH FIRE RATED WALLS.

3. SEE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR SPECIAL DETAILS WHERE DUCTWORK AND PIPING IS PASSING THROUGH RATED AND NON RATED WALLS.

AREA OCCUPANCY TAG(S)

ASSEMBLY — OCCUPANCY TYPE
45 — AREA SQ FT
SF PER OCCUPANT
OCCUPANCY LOAD

DOOR EGRESS TAG

200 | 33 | 240
PH 45 MIN

EXIT OCCUPANT LOAD
EXIT CLEAR WIDTH
EGRESS CAPACITY
FIRE RATING (IN MINUTES)
PANIC HARDWARE

OVERHEAD SMOKE CURTAIN- TIED TO FIRE ALARM SEE FIRE PROTECTION DWGS

STANDPIPE - SEE FIRE PROTECTION DWGS

SHADING INDICATES STRUCTURAL BAYS TO RECEIVE 2-HOUR RATING. ALL STRUCTURAL MEMBERS IN THESE BAYS TO RECEIVE SPRAY-APPLIED FIRE PROOFING.

EGRESS PATH(S)

PATH OF TRAVEL 86'-10" — EXIT ACCESS TRAVEL DISTANCE (IN FEET)
EXIT ACCESS
EXIT
PATH OF TRAVEL 86'-10" — COMMON EXIT ACCESS
BUILDING EXIT

SHADING INDICATES STRUCTURAL SHAFTS RECEIVE 2-HOUR RATING.

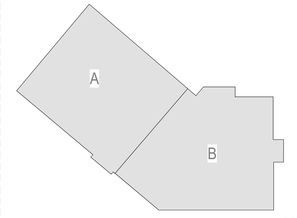
FACP	FIRE ALARM CONTROL PANEL (REFER TO ELEC DWGS)
FA REMOTE	FIRE ALARM REMOTE ANNUNCIATOR PANEL (REFER TO ELEC DWGS)
	ILLUMINATED EGRESS SIGNAGE (REFER TO ELEC DWGS)
FEC 2	SEMI-RECESSED FIRE EXTINGUISHER CABINET 10 lb DRY CHEMICAL , MULTI-PURPOSE COMPLY WITH ANSI / ADA MOUNTING HEIGHT REQUIREMENTS TO TOP OF EXTINGUISHER HANDLE (NOT CABINET)
	BRACKET MOUNTED FIRE EXTINGUISHER 10 lb DRY CHEMICAL , MULTI-PURPOSE
AED	AUTOMATED EXTERNAL DEFIBRILLATOR (AED)
KNOX	FIRE DEPT (KEY) KNOX BOX 3200 RECESS MOUNT - BLACK MOUNT AT 5'-0" AFF
E-KNOX	FIRE DEPT (ELECTRICAL SHUT OFF) KNOX BOX, RECESSED MOUNT RAPID ACCESS 4500 SHUTDOWN STATION - RED MOUNT AT 5'-0" AFF
BDA	(BDA / DAS) RADIO ENHANCEMENT PANEL CONTROLLER. DESIGN BY OTHERS VIA ALLOWANCE

RATED WALLS LEGEND

1 HOUR FIRE PARTITION
1 HOUR FIRE BARRIER
1 HOUR SMOKE BARRIER
2 HOUR FIRE BARRIER
2 HOUR SMOKE BARRIER
2 HOUR FIRE WALL

OCCUPANT LOAD

KEY PLAN



NOTE: THIS SHEET IS ISSUED IN COLOR. IF PRINTED IN BLACK AND WHITE THE COLOR OF THE WALL RATINGS AND SMOKE COMPARTMENTS MAY NOT BE LEGIBLE

PROJECT NORTH

A201809 | 4:14:58 AM — Autodesk Docs://2025-05 @ Brunswick County Health & Human Services/BCHS_Brunswick County Health and Human Services_R25_c4.rvt
THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF SIGNING CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF SIGNING CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED — SEAL 17168 — MARIE CONNOLLY — 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/26	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:

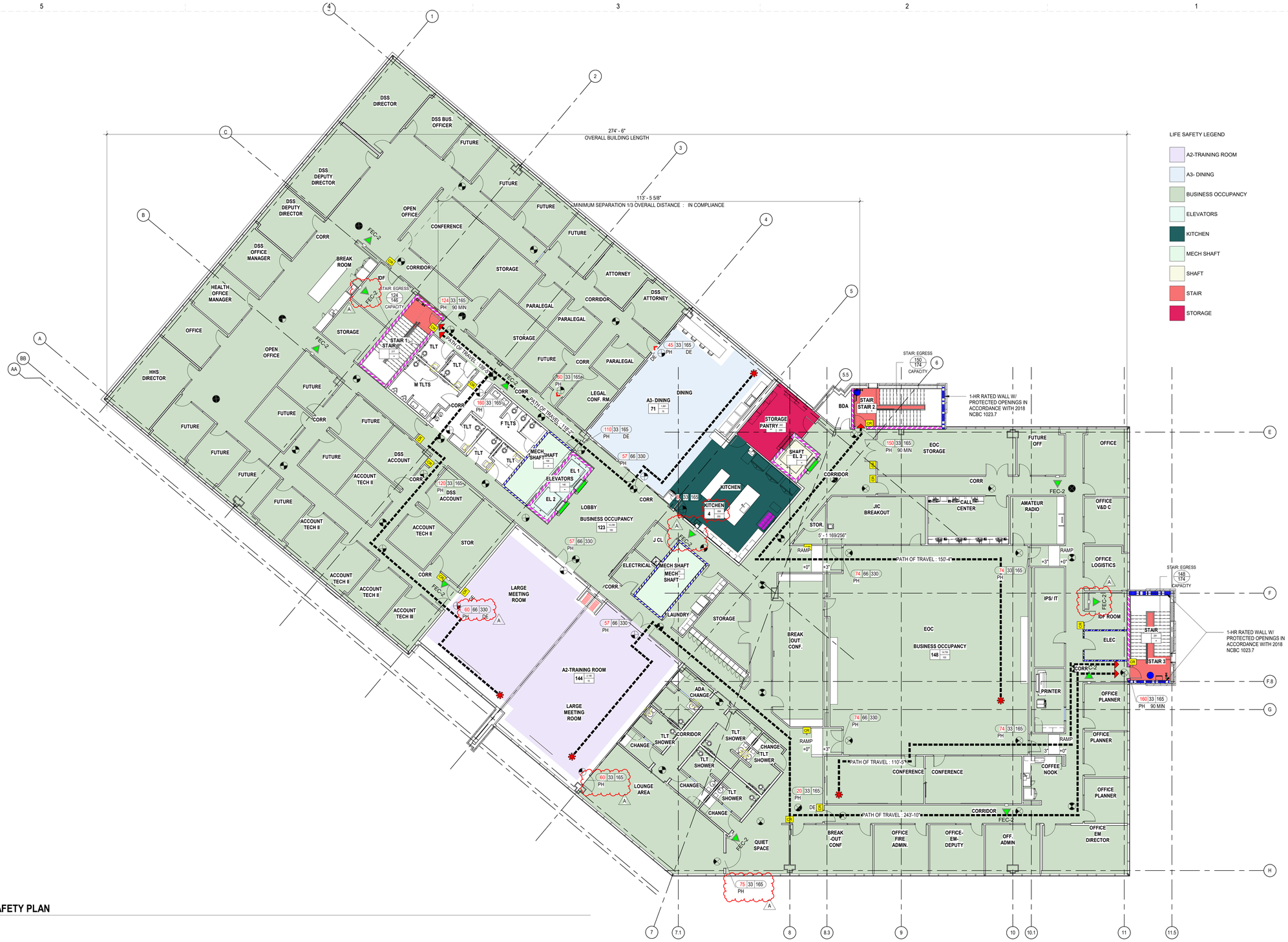
LEVEL 03 LIFE SAFETY PLAN

SHEET NO. G112

PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR STORED, ACCURATELY DUE TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THIS PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

X:\2025\1 1 4.0 07 AM ... Autodesk Docs://2025 01 Brunswick County Health & Human Services/M25_Brunswick County Health and Human Services_R25_v1.rvt



1 G113 **LVL 4 LIFE SAFETY PLAN**
3/32" = 1'-0"

LIFE SAFETY LEGEND

- A2-TRAINING ROOM
- A3- DINING
- BUSINESS OCCUPANCY
- ELEVATORS
- KITCHEN
- MECH SHAFT
- SHAFT
- STAIR
- STORAGE

NOTES, KEY NOTES, LEGENDS

LIFE SAFETY LEGEND

FIRE RATING AND FIRE PROOFING NOTES:

1. SEE FLOOR PLAN (S) AND WALL TYPES SCHEDULE FOR WALL ASSEMBLY AND TYPES.

2. FIRE CAULK AROUND ALL ELECTRICAL CONDUIT, PENETRATIONS, ETC. PASSING THROUGH FIRE RATED WALLS.

3. SEE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR SPECIAL DETAILS WHERE DUCTWORK AND PIPING IS PASSING THROUGH RATED AND NON RATED WALLS.

AREA OCCUPANCY TAG(S)

ASSEMBLY — OCCUPANCY TYPE
45 (200 / 90) — AREA SQ FT / SF PER OCCUPANT / OCCUPANCY LOAD

DOOR EGRESS TAG

200 | 33 | 240 — EXIT OCCUPANT LOAD / EXIT CLEAR WIDTH / EGRESS CAPACITY
PH — 45 MIN — FIRE RATING (IN MINUTES)
PANIC HARDWARE

OVERHEAD SMOKE CURTAIN- TIED TO FIRE ALARM SEE FIRE PROTECTION DWGS

STANDPIPE - SEE FIRE PROTECTION DWGS

SHADING INDICATES STRUCTURAL BAYS TO RECEIVE 2-HOUR RATING. ALL STRUCTURAL MEMBERS IN THESE BAYS TO RECEIVE SPRAY-APPLIED FIRE PROOFING.

EGRESS PATH(S)

PATH OF TRAVEL: 66'-10" — EXIT ACCESS TRAVEL DISTANCE (IN FEET)
EXIT ACCESS
EXIT
PATH OF TRAVEL: 66'-10" — COMMON EXIT ACCESS
BUILDING EXIT

SHADING INDICATES STRUCTURAL SHAFTS RECEIVE 2-HOUR RATING.

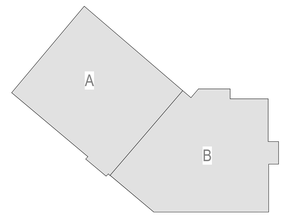
FACP	FIRE ALARM CONTROL PANEL (REFER TO ELEC DWGS)
FA REMOTE	FIRE ALARM REMOTE ANNUNCIATOR PANEL (REFER TO ELEC DWGS)
	ILLUMINATED EGRESS SIGNAGE (REFER TO ELEC DWGS)
FEC-2	SEMI-RECESSED FIRE EXTINGUISHER CABINET 10 lb DRY CHEMICAL , MULTI-PURPOSE COMPLY WITH ANSI / ADA MOUNTING HEIGHT REQUIREMENTS TO TOP OF EXTINGUISHER HANDLE (NOT CABINET)
	BRACKET MOUNTED FIRE EXTINGUISHER 10 lb DRY CHEMICAL , MULTI-PURPOSE
AED	AUTOMATED EXTERNAL DEFIBRILLATOR (AED)
KNOX	FIRE DEPT (KEY) KNOX BOX 3200 RECESS MOUNT - BLACK MOUNT AT 5'-0" AFF
E-KNOX	FIRE DEPT (ELECTRICAL SHUT OFF) KNOX BOX, RECESSED MOUNT RAPID ACCESS 4500 SHUTDOWN STATION - RED MOUNT AT 5'-0" AFF
BDA	(BDA / DAS) RADIO ENHANCEMENT PANEL CONTROLLER. DESIGN BY OTHERS VIA ALLOWANCE

RATED WALLS LEGEND

- 1 HOUR FIRE PARTITION
- 1 HOUR FIRE BARRIER
- 1 HOUR SMOKE BARRIER
- 2 HOUR FIRE BARRIER
- 2 HOUR SMOKE BARRIER
- 2 HOUR FIRE WALL

OCCUPANT LOAD

KEY PLAN



NOTE: THIS SHEET IS ISSUED IN COLOR. IF PRINTED IN BLACK AND WHITE THE COLOR OF THE WALL RATINGS AND SMOKE COMPARTMENTS MAY NOT BE LEGIBLE

PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED — SEAL 17168 — LEA MARIE CONNELLY — 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/26	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
LEVEL 04 LIFE SAFETY PLAN

SHEET NO. G113

PROJ. NO. 024370.01

4/2/2026 11:45:49 AM Autodesk Docs://024370.00_Brunswick County Health & Human Services/ARCH_Brunswick County Health and Human Servic_R23.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2026 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

UL Solutions | Product iQ®

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States
BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

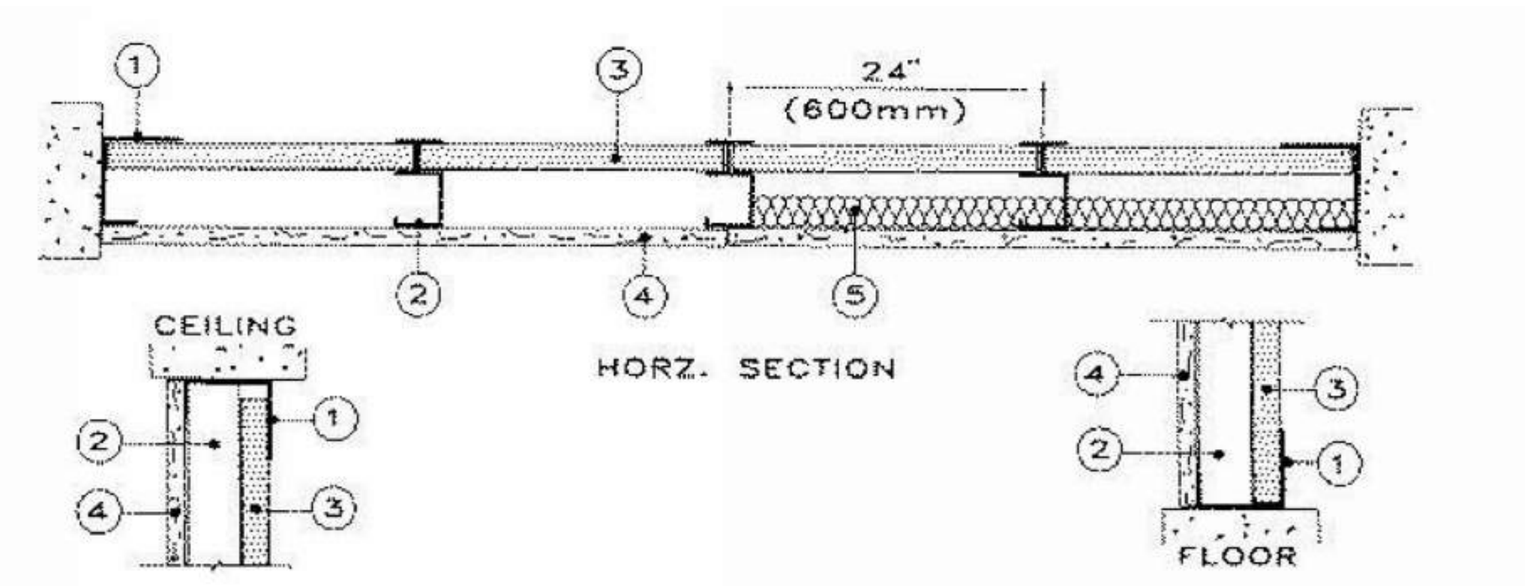
See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States
Design Criteria and Allowable Variances

See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada
Design Criteria and Allowable Variances

Design No. **U469**

November 15, 2025

Assembly Rating — 1 HR
Nonbearing Wall
*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1. **Floor and Ceiling Runners —** "J" - shaped, 2-1/2 in. wide with unequal legs of 1 in. and 2 in., fabricated from 24 MSG galv steel (min 20 MSG steel required when Item 4A, 4B, or 4C is used). Runners attached to structural supports with steel fasteners located not greater than 2 in. from ends and not greater than 24 in. OC.

2. **Steel Studs —** "C-H" shaped studs, 2-1/2 in. wide by 1-1/2 in. deep, fabricated from min 25 MSG galv steel (min 20 MSG steel required when Item 4A, 4B, or 4C is used), spaced 24 in. or 600 mm OC (max 16 in. OC when Item 4A, 4B, or 4C is used). Vertically restrained walls require studs to be cut 3/8 in. less than floor to ceiling height.

3. **Gypsum Board* —** 1 in. thick gypsum wallboard liner panels, supplied in nominal 24 in. or 600 mm widths. Vertical edges inserted in "H" shaped section of "C-H" studs. Free edge of end panels attached to long leg of "J" runners with 1-5/8 in. long Type S head steel screws spaced not greater than 12 in. OC.
CERTAINTEED GYPSUM INC — Types Shaftliner, EGRG Shaftliner or GlasRoc Shaftliner

CGC INC — Type SLX.

CERTAINTEED GYPSUM INC — Type LGFCSL

GEORGIA-PACIFIC GYPSUM L L C — Types TP-6, DGUSL, and TRSL

UNITED STATES GYPSUM CO — Type SLX

USG BORAL DRYWALL SFZ LLC — Type SLX

USG MEXICO S A DE C V — Type SLX.

4. **Gypsum Board* —** 5/8 in. thick, 4 ft or 1200 mm wide, applied vertically and attached to studs with 1 in. long Type S steel screws spaced 12 in. OC along the edges and in the field of the boards.
AMERICAN GYPSUM CO — Types AGX-1, M-Glass, AG-C, LightRoc.

CABOT MANUFACTURING ULC — 5/8 Type X, Type Blueglass Exterior Sheathing, 5/8 in. Type C.

CERTAINTEED GYPSUM INC — Type C, Type X-1.

CGC INC — Types C, IP-X1, IP-X2, IPC-AR, SCX, ULIX, ULX, or WRC.

GEORGIA-PACIFIC GYPSUM L L C — Types 5, DAPC, Type X, Veneer Plaster Base - Type X, Water Rated - Type X, Sheathing - Type X, Soffit - Type X, Type TG-C, Type LWX, Veneer Plaster Base-Type LWX, Water Rated-Type LWX, Sheathing Type-LWX, Soffit-Type LWX, Type DGLW, Water Rated-Type DGLW, Sheathing Type- DGLW, Soffit-Type DGLW, Type LW2X, Veneer Plaster Base - Type LW2X, Water Rated - Type LW2X, Sheathing - Type LW2X, Soffit - Type LW2X, Type DGL2W, Water Rated - Type DGL2W, Sheathing - Type DGL2W, Type DGG, Type DAP, Type DS.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types C, PG-11, PG-C, PGS-WRS, PGI

SAINT-GOBAIN GYPROC MIDDLE EAST FZE — Type Gyproc FireStop, Gyproc FireStop MR, Gyproc FireStop M2TECH, Gyproc FireStop ACTIV'Air, Gyproc FireStop MR ACTIV'Air, Gyproc FireStop M2TECH ACTIV'Air, Gyproc DuraLine, Gyproc DuraLine MR, Gyproc DuraLine M2TECH, Gyproc DuraLine ACTIV'Air, Gyproc DuraLine MR ACTIV'Air, Gyproc DuraLine M2TECH ACTIV'Air

THAI GYPSUM PRODUCTS PCL — Type C.

UNITED STATES GYPSUM CO — Types C, FRX-G, IP-X1, IP-X2, IPC-AR, SCX, ULIX, ULX or WRC.

USG BORAL DRYWALL SFZ LLC — Types C, SCX

USG MEXICO S A DE C V — Types C, IP-X1, IP-X2, IPC-AR, SCX, ULX, or WRC.

4A. **Gypsum Board* —** Not Shown - As an Alternate to Item 4. Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips (Item 6) required behind vertical joints
RAY-BAR ENGINEERING CORP — Type RB-LBG

4B. **Gypsum Board* —** Not Shown - As an Alternate to Item 4. Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints. To be used with Lead Batten Strips (see Item 6B) or Lead Discs (see Item 6C).
MAYCO INDUSTRIES INC — Type X-Ray Shielded Gypsum

4C. **Gypsum Board* —** (Not Shown - As an Alternate to Item 4.). Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws gypsum panel steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".
RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

4D. **Gypsum Board —** For use with Item 5 - 5/8 in. thick, 4 ft or 1200 mm wide, applied vertically and attached to studs with 1 in. long Type S steel screws spaced 12 in. OC along the edges and in the field of the boards.

CERTAINTEED GYPSUM INC — Type LWTX

5. **Batts and Blankets* —** (Optional) — Mineral wool batts partially or completely filling stud cavity.
ROCKWOOL — Type AFB, min. density 1.8 pcf / 28.8 kg/m^3

THERMAFIBER/OWENS CORNING — Type SAFB, SAFB FF

5A. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 5) — (100% Borate Formulation) — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product with a nominal dry density of 2.7 lb/ft^3. Alternate Application Method: The fiber is applied without water or adhesive at a nominal dry density of 3.5 lb/ft^3, in accordance with the application instructions supplied with the product.
Applegate Greenfiber Acquisition LLC — Insulmax and SANCTUARY for use with wet or dry application.

5B. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 5) - Spray applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft.
NU-WOOL CO INC — Cellulose Insulation

5C. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 5) - Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lbs/ft^3.
INTERNATIONAL CELLULOSE CORP — Celbar-RL

5D. Deleted.

5E. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 5) - Spray-applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. To facilitate the installation of the material, any thin, woven or non-woven netting may be attached by any means possible to the outer face the studs. The material shall reach equilibrium moisture content before the installation of materials on either face of the studs. The minimum dry density shall be 5.79 lbs/ft^3.

Applegate Greenfiber Acquisition LLC— Applegate Advanced Stabilized Cellulose Insulation

6. **Lead Batten Strips —** For Use with Item 4A - (Not Shown) — Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 4A) and optional at remaining stud locations. Strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

6A. **Lead Discs or Tabs —** (Not Shown) - Used in lieu of or in addition to the lead batten strips (Item 6) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 5) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

6B. **Lead Batten Strips —** (Not Shown, for use with Item 4B) Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.140 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.5% meeting the Federal specification QQ-L-201f, Grades "B, C or D".

6C. **Lead Discs —** (Not Shown, for use with Item 4B) Max 5/16 in. diam by max 0.140 in. thick lead discs compression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.5% meeting the Federal Specification QQ-L-201f, Grades "B, C or D".

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2025-11-15

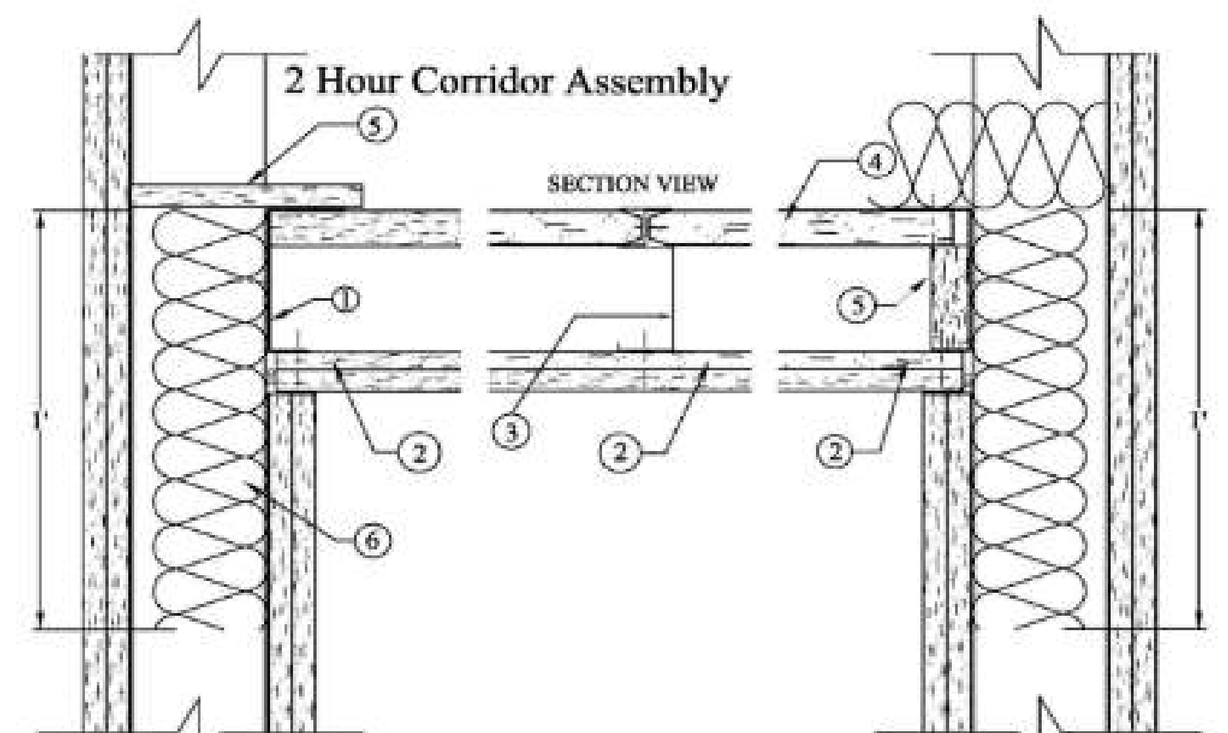
The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL Solutions' Follow - Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL Solutions' Follow - Up Service. Always look for the Mark on the product.

UL Solutions permits the reproduction of the material contained in Product iQ subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from Product iQ with permission from UL Solutions" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "©2026 UL LLC."

AER-09038

Two Hour Corridor Assembly, See Figure 9

1. A minimum 2-1/2" deep 24 gauge J-runner attached horizontally to perimeter or boundary walls with a power actuated fasteners.
2. Gypsum Wall Board:
   - **a.** For a two (2) hour assembly: Attached two (2) layers of minimum 1/2" thick Sheetrock® Brand Firecode® C Core Gypsum Panels (Type C) to the underside of the "Corridor Ceiling" of the C-H stud and the perimeter J-runner for the BASE layer, use a 1" long Type S screw that is spaced 24" o.c. along the perimeter and the edges. The FACE layer should be applied with a 1-5/8" long Type S screw that is spaced 12" o.c. in the field and perimeter. All joints must be staggered a minimum of 24" o.c. from the adjacent layer.
3. Install the C-H studs perpendicular to the J-runner spaced 24" o.c. with the C-section of the C-H stud facing downward towards the corridor side of the assembly with two (2) screws a minimum 1/2" long Type S-12 screws, one on each side.
4. 1" thick Sheetrock® Brand Gypsum Liner Panel- UL Type SLX Friction-fitted in "H" portion of C-H studs.
5. Ripper Board:
   - **a.** Where the liner panel (item 4) is cut short to be installed, gaps must be filled by using a strip of 1" thick Sheetrock® Brand Gypsum Liner Panel- UL Type SLX.
   - **b.** As an alternative you can use mineral fiber insulation to prevent exposure to the top leg of the J-runner that forms the ceiling.
   - **c.** Where the wall section extends above the corridor ceiling, above corridor height a rip of board must be used to cap the opening between studs and a strip of mineral fiber insulation as described in item 6 must be used.
6. In order to prevent the passage of heat and gases, a 12" minimum long strip of mineral fiber insulation must be used to fill in the stud cavity of the walls.



2-Hour Corridor	
Double layer 1/2-in gypsum panels	Maximum Span
212CH25-18<2>	7-ft - 10-in
212CH20-34<3>	9-ft - 8-in
400CH25-18<2>	7-ft - 7-in
400CH20-34<3>	14-ft - 0-in
600CH20-34<3>	19-ft - 7-in

Notes:
1. Based on L/240 allowable deflection with studs at 24-in o.c. and JR24 runner.
2. J-Runner connection to wall/building must meet or exceed 189-lbs capacity at every stud location (24-in o.c.).
3. J-Runner connection to wall/building must meet or exceed 388-lbs capacity at every stud location (24-in o.c.).
4. C-H studs are not designed to carry live loads, mechanical equipment or provide material storage area. See USG SA920.

Figure 9 - Two Hour Corridor and Limiting Spans

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION · NORTH CAROLINA · CERT. NO. 54314 · CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED ARCHITECT SEAL 17168 LISA MARIE CONN...
02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

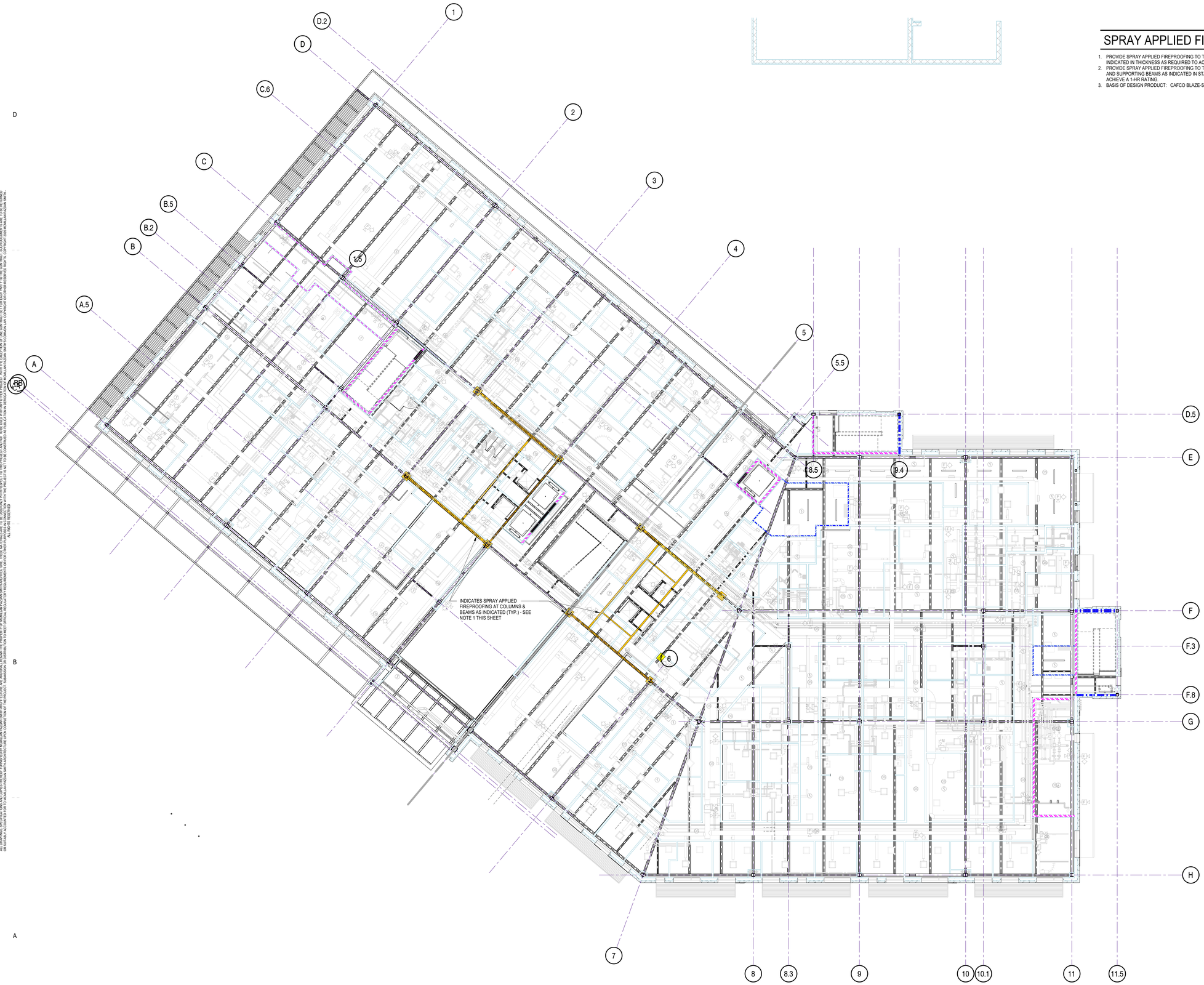
ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
UL U469 & AER-09038

SHEET NO. PROJ. NO. 024370.01

G004.6



SPRAY APPLIED FIREPROOFING NOTES

1. PROVIDE SPRAY APPLIED FIREPROOFING TO THE PRIMARY STRUCTURAL FRAME AS INDICATED IN THICKNESS AS REQUIRED TO ACHIEVE A 1-HR RATING.
2. PROVIDE SPRAY APPLIED FIREPROOFING TO THE METAL DECK, SUPPORTING JOISTS, AND SUPPORTING BEAMS AS INDICATED IN STAIRS 2 & 3 IN THICKNESS AS REQ'D TO ACHIEVE A 1-HR RATING.
3. BASIS OF DESIGN PRODUCT: CAFCO BLAZE-SHIELD II HS

A5 G120 **LEVEL 01 - SPRAY APPLIED FIREPROOFING**

3/32" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 54314 NORTH CAROLINA CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17168 ARCHITECT LISA MARIE CONNELLY 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:

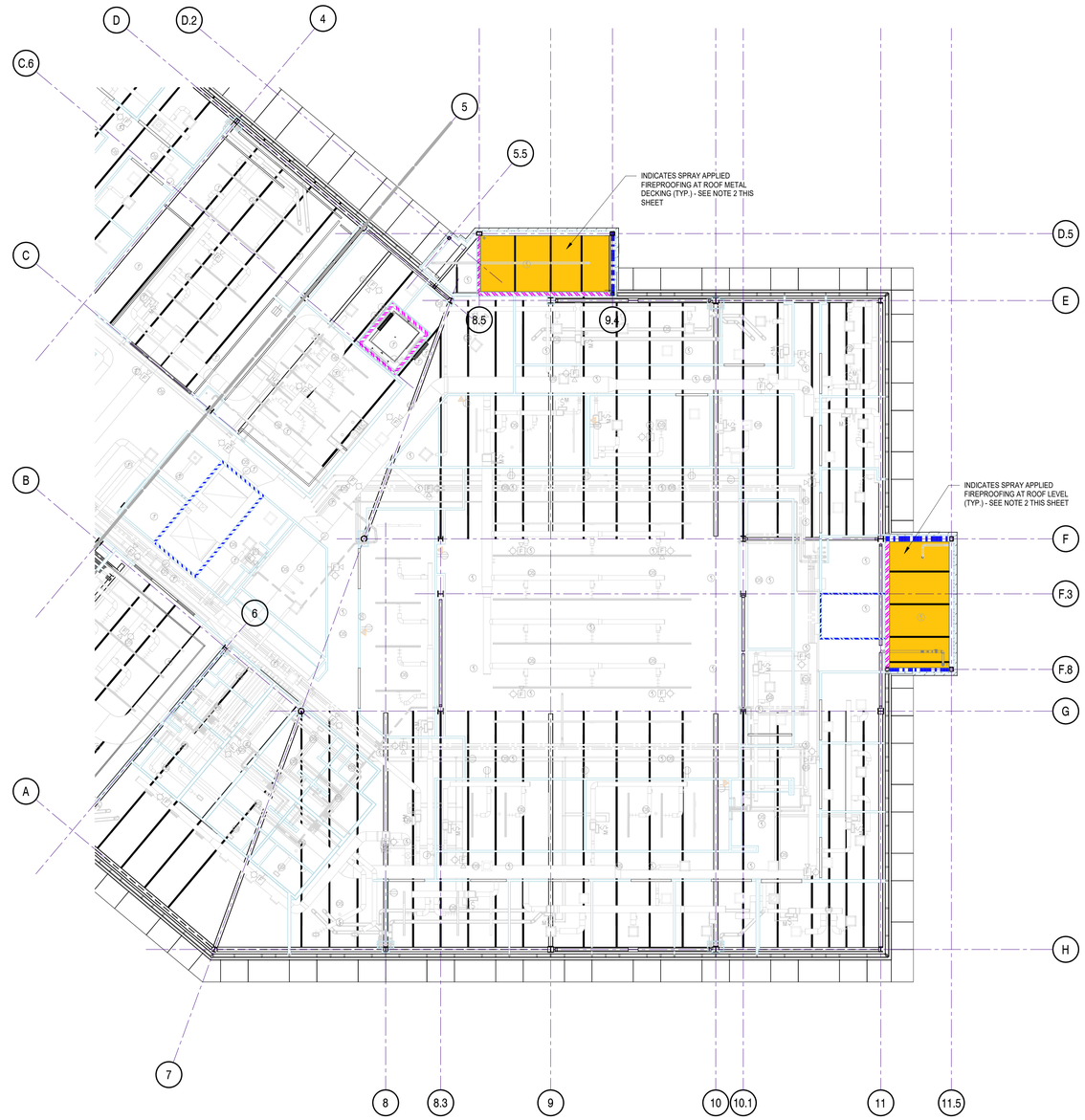
SPRAY APPLIED FIREPROOFING - LEVEL 01 RCP

SHEET NO. G120

PROJ. NO. 024370.01

SPRAY APPLIED FIREPROOFING NOTES

1. PROVIDE SPRAY APPLIED FIREPROOFING TO THE PRIMARY STRUCTURAL FRAME AS INDICATED IN THICKNESS AS REQUIRED TO ACHIEVE A 1-HR RATING.
2. PROVIDE SPRAY APPLIED FIREPROOFING TO THE METAL DECK, SUPPORTING JOISTS, AND SUPPORTING BEAMS AS INDICATED IN STAIRS 2 & 3 IN THICKNESS AS REQ'D TO ACHIEVE A 1-HR RATING.
3. BASIS OF DESIGN PRODUCT: CAFCO BLAZE-SHIELD II HS



1 G121 **LEVEL 04 - SPRAY APPLIED FIREPROOFING -STAIRS 2 & 3**

3/32" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 54314 NORTH CAROLINA CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17168 LA MARIE CONNELLY 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:

SPRAY APPLIED FIREPROOFING - LEVEL 04 RCP

SHEET NO. G121

PROJ. NO. 024370.01

COMcheck Software Version COMcheckWeb
Interior Lighting Compliance Certificate

Project Information

Energy Code: 2015 IECC
Project Title: BRUNSWICK
Project Type: New Construction

Construction Site: Owner/Agent: Designer/Contractor:

Additional Efficiency Package(s)
Credits: 1.0 Required 1.0 Proposed
Dedicated Outdoor Air System, 1.0 credit

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts
1-Office	135648	0.82	111231
		Total Allowed Watts =	111231

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
1-Office				
LED: A: LAY-IN VOLUMETRIC FIXTURE: LED Panel 33W:	1	962	32	30784
LED: A2: LAY-IN VOLUMETRIC FIXTURE: LED Panel 41W:	1	35	41	1435
LED: B4: LINEAR PENDANT: LED Linear 33W:	1	8	37	296
LED: B8: LINEAR PENDANT: LED Linear 33W:	1	202	74	14948
LED: C2: RECESSED LINEAR: LED Linear 15W:	1	8	14	112
LED: C4: RECESSED LINEAR: LED Linear 33W:	1	27	27	729
LED: C6: RECESSED LINEAR: LED Linear 33W:	1	16	41	656
LED: C8: RECESSED LINEAR: LED Linear 33W:	1	70	55	3850
LED: C10: RECESSED LINEAR: LED Linear 33W:	1	43	68	2924
LED: C12: RECESSED LINEAR: LED Linear 33W:	1	46	82	3772
LED: D: DOWNLIGHT: LED Other Fixture Unit 25W:	1	354	25	8850
LED: D1: SHOWER DOWNLIGHT: LED Other Fixture Unit 16W:	1	6	15	90
LED: F4: LENSED STRIP FIXTURE: LED Linear 22W:	1	33	26	858
LED: F8: LENSED STRIP FIXTURE: LED Linear 33W:	1	19	53	1007
LED: G: VAPORTIGHT STRIP FIXTURE: LED Linear 33W:	1	30	46	1380
LED: J: ABOVE MIRROR VANITY FIXTURE: LED Linear 22W:	1	39	26	1014
LED: K: WALL MOUNTED LINEAR: LED Linear 33W:	1	26	42	1092
LED: M1: BACKLIT MIRROR: LED Other Fixture Unit 60W:	1	16	69	1104
LED: M2: BACKLIT MIRROR: LED Other Fixture Unit 60W:	1	7	73	511
LED: P1: DECORATIVE PENDANT: Other:	1	1	204	204
LED: P2: DECORATIVE PENDANT: Other:	1	21	20	420
LED: P3: DECORATIVE PENDANT: Other:	1	7	22	154
LED: P5: DECORATIVE PENDANT: Other:	1	2	10	20

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
LED: P6: DECORATIVE PENDANT: Other:	1	4	10	40
LED: P7: DECORATIVE PENDANT: Other:	1	4	40	160
LED: U: UNDERCABINET FIXTURE: LED Undercabinet Unit 17.1W:	1	23	20	460
			Total Proposed Watts =	76870

Interior Lighting PASSES: Design 31% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2015 IECC requirements in COM*check* Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Jason Famiglietti-Electrical Engineer — 2/6/2026
Name - Title Signature Date

COMcheck Software Version COMcheckWeb
Exterior Lighting Compliance Certificate

Project Information

Energy Code: 2015 IECC
Project Title: BRUNSWICK
Project Type: New Construction
Exterior Lighting Zone: 2 (Residential mixed use area (LZ2))

Construction Site: Owner/Agent: Designer/Contractor:

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts /	D Tradable Wattage	E Allowed Watts (B X C)
Main entry	12 ft of	20	Yes	240
Other door (not main entry)	18 ft of	20	Yes	360
Entry canopy	300 ft2	0.25	Yes	75
Walkway < 10 feet wide	153 ft of	0.7	Yes	107
Walkway >= 10 feet wide	1232 ft2	0.14	Yes	172
		Total Tradable Watts (a) =		955
		Total Allowed Watts =		955
		Total Allowed Supplemental Watts (b) =		600

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 600 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
Main entry (12 ft of door width): Tradable Wattage				
LED: L1: SQUARE RECESSED DOWNLIGHT: LED Other Fixture Unit 16W:	1	2	20	40
Other door (not main entry) (18 ft of door width): Tradable Wattage				
LED: L1: SQUARE RECESSED DOWNLIGHT: LED Other Fixture Unit 16W:	1	5	20	100
LED: L2: WALL MTD. UP/DOWN FIXTURE: LED Other Fixture Unit 36W:	1	4	38	152
Entry canopy (300 ft2): Tradable Wattage				
LED: L1: SQUARE RECESSED DOWNLIGHT: LED Other Fixture Unit 16W:	1	3	20	60
Walkway < 10 feet wide (153 ft of walkway length): Tradable Wattage				
LED: L1: SQUARE RECESSED DOWNLIGHT: LED Other Fixture Unit 16W:	1	14	20	280
LED: WALL MTD. UP/DOWN FIXTURE: LED Other Fixture Unit 36W:	1	3	38	114
Walkway >= 10 feet wide (1232 ft2): Tradable Wattage				
LED: L1: SQUARE RECESSED DOWNLIGHT: LED Other Fixture Unit 16W:	1	30	20	600
			Total Tradable Proposed Watts =	1346

Exterior Lighting PASSES: Design 13% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2015 IECC requirements in COM*check* Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Jason Famiglietti-Electrical Engineer — 2/6/2026
Name - Title Signature Date

COMcheck Software Version COMcheckWeb
Mechanical Compliance Certificate

Project Information

Energy Code: 2015 IECC
Project Title: BRUNSWICK
Location: Brunswick, North Carolina
Climate Zone: 3a
Project Type: New Construction

Construction Site: Owner/Agent: Designer/Contractor:

Additional Efficiency Package(s)
Credits: 1.0 Required 1.0 Proposed
Dedicated Outdoor Air System, 1.0 credit

Mechanical Systems List

Quantity	System Type & Description
1	HVAC System (Multiple-Zone): Heating: 1 each - Central Furnace, Gas, Capacity = 850 kBtu/h Proposed Efficiency = 81.00% Et, Required Efficiency: 80.00 % Et Cooling: 1 each - Single Package DX Unit, Capacity = 1128 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 11.00 EER, Required Efficiency = 9.50 EER Proposed Part Load Efficiency = 18.30 IEER, Required Part Load Efficiency = 11.00 IEER Fan System: FAN SYSTEM 1 | RTU1 -- Compliance (Brake HP and fan efficiency method) : Passes Fans: FAN 1 Supply, Multi-Zone VAV, 29375 CFM, 50.0 motor nameplate hp, 41.6 design brake hp (41.6 max. BHP), 67.0 fan efficiency grade, 75.0 total fan efficiency, 72.5 design fan efficiency Pressure Drop Credits: Particulate filtration credit: MERV 13 through 15, 6.3998 credit
1	HVAC System (Multiple-Zone): Heating: 1 each - Central Furnace, Gas, Capacity = 850 kBtu/h Proposed Efficiency = 81.00% Et, Required Efficiency: 80.00 % Et Cooling: 1 each - Single Package DX Unit, Capacity = 1134 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 11.00 EER, Required Efficiency = 9.50 EER Proposed Part Load Efficiency = 18.30 IEER, Required Part Load Efficiency = 11.00 IEER Fan System: FAN SYSTEM 2 | RTU2 -- Compliance (Brake HP and fan efficiency method) : Passes Fans: FAN 2 Supply, Multi-Zone VAV, 25570 CFM, 40.0 motor nameplate hp, 33.8 design brake hp (33.8 max. BHP), 67.0 fan efficiency grade, 75.0 total fan efficiency, 72.4 design fan efficiency Pressure Drop Credits: Particulate filtration credit: MERV 13 through 15, 5.5708 credit
1	HVAC System (Multiple-Zone): Cooling: 1 each - Single Package DX Unit, Capacity = 1005 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 11.10 EER, Required Efficiency = 9.70 EER Proposed Part Load Efficiency = 19.10 IEER, Required Part Load Efficiency = 11.20 IEER Fan System: FAN SYSTEM 3 | RTU3 -- Compliance (Brake HP and fan efficiency method) : Passes Fans: FAN 3 Supply, Multi-Zone VAV, 26470 CFM, 40.0 motor nameplate hp, 34.9 design brake hp (34.9 max. BHP), 67.0 fan efficiency grade, 75.0 total fan efficiency, 72.6 design fan efficiency Pressure Drop Credits: Particulate filtration credit: MERV 13 through 15, 5.7669 credit
3	Plant: Heating: Hot Water Boiler, Capacity 399 kBtu/h, Gas Proposed Efficiency: 96.00 % Et, Required Efficiency: 80.00 % Et

Quantity	System Type & Description
2	Water Heater: Gas Storage Water Heater, Capacity: 100 gallons, Input Rating: 199 kBtu/h w/ Circulation Pump Proposed Efficiency: 95.00 % Et, Required Efficiency: 80.00 % Et

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2015 IECC requirements in COM*check* Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Troy Grady - Mechanical Engineer — 02/06/2026
Name - Title Signature Date

COMcheck Software Version COMcheckWeb
Envelope Compliance Certificate

Project Information

Energy Code: 2015 IECC
Project Title: BRUNSWICK
Location: Brunswick, North Carolina
Climate Zone: 3a
Project Type: New Construction
Vertical Glazing / Wall Area: 40%

Construction Site: Owner/Agent: Designer/Contractor:

Additional Efficiency Package(s)
Credits: 1.0 Required 1.0 Proposed
Dedicated Outdoor Air System, 1.0 credit

Building Area	Floor Area
1-Office : Nonresidential	135648

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
Roof: Insulation Entirely Above Deck, 3-Year-Aged Solar Reflectance Index = 70.00 (c), [Bldg. Use 1 - Office]	331551	---	25.0	0.039	0.039
EAST					
NE Ext. Wall - Brick: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Office]	5298	25.0	8.6	0.051	0.064
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID IGDB # 5447, SHGC 0.23, [Bldg. Use 1 - Office] (b)	1797	---	---	0.290	0.460
NE Ext. Wall - MCM: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Office]	865	25.0	8.6	0.051	0.064
E Ext. Wall - Brick: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Office]	8027	25.0	8.6	0.051	0.064
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID IGDB # 5447, SHGC 0.23, [Bldg. Use 1 - Office] (b)	3133	---	---	0.290	0.460
E Ext. Wall - MCM: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Office]	1310	25.0	8.6	0.051	0.064
SOUTH					
SW Ext. Wall - Brick: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Office]	6138	25.0	8.6	0.051	0.064
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID IGDB # 5447, SHGC 0.23, [Bldg. Use 1 - Office] (b)	1582	---	---	0.290	0.460
SW Ext. Wall - Oko Skin: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Office]	7126	25.0	8.6	0.051	0.064
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID IGDB # 5447, SHGC 0.23, [Bldg. Use 1 - Office] (b)	5023	---	---	0.290	0.460
SW Ext. Wall - MCM: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Office]	1784	25.0	8.6	0.051	0.064
SE Ext. Wall - Brick: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Office]	6459	25.0	8.6	0.051	0.064
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.:	1733	---	---	0.290	0.460

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
Product ID IGDB # 5447, SHGC 0.23, [Bldg. Use 1 - Office] (b)					
SE Ext. Wall - MCM: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Office]	2936	25.0	8.6	0.051	0.064
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID IGDB # 5447, SHGC 0.23, [Bldg. Use 1 - Office] (b)	1675	---	---	0.290	0.460
WEST					
W Ext. Wall - Brick: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Office]	1957	25.0	8.6	0.051	0.064
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID IGDB # 5447, SHGC 0.23, [Bldg. Use 1 - Office] (b)	540	---	---	0.290	0.460
W Ext. Wall - Oko skin: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Office]	5574	25.0	8.6	0.051	0.064
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID IGDB # 5447, SHGC 0.23, [Bldg. Use 1 - Office] (b)	3212	---	---	0.290	0.460
W Ext. Wall - MCM: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Office]	1286	25.0	8.6	0.051	0.064
NW Ext. Wall - Brick: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Office]	2429	25.0	8.6	0.051	0.064
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID IGDB # 5447, SHGC 0.23, [Bldg. Use 1 - Office] (b)	677	---	---	0.290	0.460
NW Ext. Wall - Oko skin: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Office]	6935	25.0	8.6	0.051	0.064
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID IGDB # 5447, SHGC 0.23, [Bldg. Use 1 - Office] (b)	4153	---	---	0.290	0.460
NW Ext. Wall - MCM: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Office]	1380	25.0	8.6	0.051	0.064

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
(b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.
(c) High albedo roof requirement options: 1) 3-year aged solar reflectance >= 0.55 thermal emittance >= 0.75, 2) 3-year aged solar reflectance index >= 64.0, 3) Initial year aged solar reflectance >= 0.70 thermal emittance >= 0.75, 4) Initial year aged solar reflectance index >= 82.0.

Envelope PASSES: Design 9% better than code

Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 2015 IECC requirements in COM*check* Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Lisa M. Connell - Architect — 02/06/2026
Name - Title Signature Date

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED ARCHITECT SEAL 17168 LISA MARIE CONNELL
04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/26	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

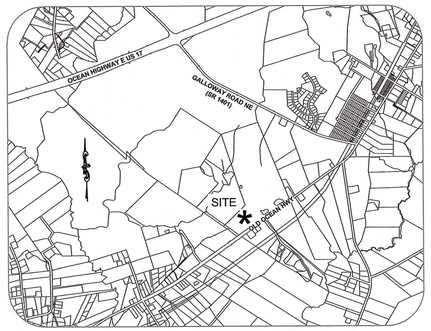
SHEET TITLE:
ENERGY ANALYSIS

SHEET NO. PROJ. NO. 024370.01

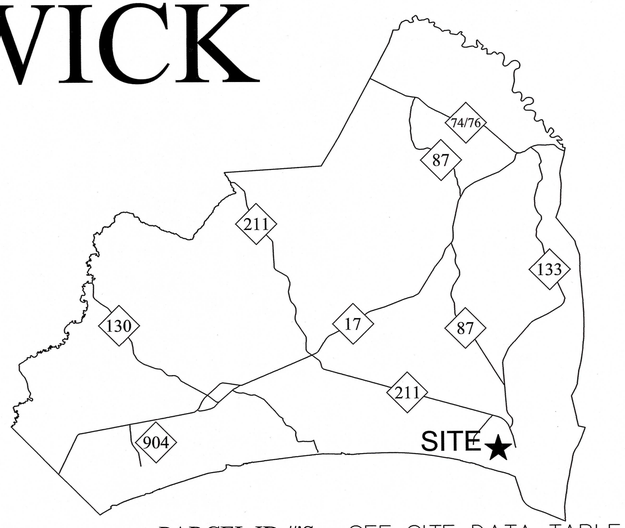
G130

4/2/2026 11:47:59 AM Autodesk Docs://024370.00_Brunswick County Health & Human Services/ARCH_Brunswick County Health and Human Servic_R23.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2026 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

COUNTY OF BRUNSWICK



VICINITY MAP
(Not to Scale)



PARCEL ID #'S: SEE SITE DATA TABLE
PIN #'S: SEE SITE DATA TABLE

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES

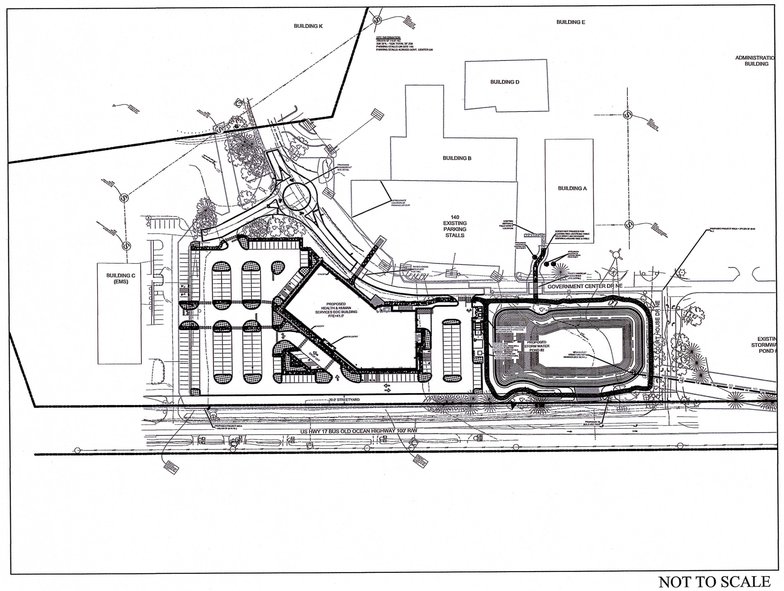
ARCHITECT:
MCMILLAN PAZDAN SMITH ARCHITECTURE LISA CONNELL HOWELL
1422 SOUTH TRYON STREET, SUITE 700,
CHARLOTTE, NC 28203
(980)-201-3035
lchowell@mcmillanpazdansmith.com

SURVEYOR:
TIMMONS GROUP
TERRY L WESTENDORF
5410 TRINITY ROAD, SUITE 102 RALEIGH, NC 27607
(919)-866-4951
Terry.Westendorf@timmons.com

LANDSCAPE ARCHITECT:
TIMMONS GROUP
KEVIN BARNES
(919)-532-3252
kevin.barnes@timmons.com

CIVIL ENGINEER:
TUNSTALL CONSULTING ENGINEERS P.C.
2602 IRON GATE DR., SUITE 102
WILMINGTON, NC 28412
(910) 343-9653

TYPE OF WORK:
COMMERCIAL BUILDING



NOT TO SCALE

INDEX OF SHEETS

C0:	COVER SHEET
	SURVEY SHEET (TIMMONS GROUP)
C1:	OVERALL SITE PLAN
I1:	SITE INVENTORY PLAN
C2:	TREE REMOVAL & DEMOLITION PLAN
EC1:	EROSION CONTROL PHASE 1
C3.1-C3.2:	GRADING, DRAINAGE, & EROSION CONTROL PLAN
C4.1-C4.2:	DRAINAGE ARE PLAN
C4.3:	OVERALL DRAINAGE AREA PLAN
C5.1-C5.2:	UTILITY PLAN
PR0-PR1:	UTILITY PROFILE PLAN
C6.1-C6.2:	LAYOUT PLAN
C6.3:	ROUNDABOUT DESIGN DETAILS
C6.4:	TRUCK TURN PLAN
C7.0-C7.6:	NOTES & DETAILS
C8.0-C8.1:	BRUNSWICK COUNTY DETAILS

FOR PERMIT ONLY

NUMBER	DATE	BY	REVISION DESCRIPTION
.	.	.	.

APPROVAL STATUS	DATE	BY	DEPARTMENT
☐ YES ☐ NO ☐ N/A			PLANNING
☐ YES ☐ NO ☐ N/A			ENGINEERING
☐ YES ☐ NO ☐ N/A			PUBLIC UTILITIES

"ENGINEER'S CERTIFICATION OF COMPLIANCE WITH BRUNSWICK COUNTY SPECIFCATIONS AND DETAILS"
I hereby certify that the plans, details, and associated project specifications comply with the latest version, as of this date, of Brunswick County's Standard Specifications and Standard Details per standard engineering practice. Furthermore, I confirm my understanding that reviews and approvals by Brunswick County personnel do not imply that Brunswick County personnel have reviewed and are in agreement with every portion of the plans and specifications that I have submitted. I understand that Brunswick County reviews and approvals are meant to ensure that the overall plans are in general compliance with County objectives. I understand that it is my full responsibility to ensure that plans and specifications are in full compliance with applicable County, State, Federal, and other municipal requirements. Additionally, I understand that the County will not assume operation, maintenance, or ownership of constructed facilities that do not meet County requirements and the County may refuse to issue permits at facilities that the County deems are non-compliant with County Specifications. I also confirm my understanding that County Inspections are for the sole use of the County and I certify that I will not use, or direct others to use, County inspections for State compliance purposes or any other purpose."

DATE:
04/01/26

SUBMITTAL:

PROJECT NAME: BRUNSWICK COUNTY
HEALTH AND HUMAN SERVICES
LOCATION: 67 GOVERNMENT CENTER DR NE
BOLIVIA, NC 28422
OWNER: BRUNSWICK COUNTY
DESIGNER: TUNSTALL CONSULTING ENGINEERS, PLLC

NORTH CAROLINA PROFESSIONAL SEAL 19851 ENGINEER JOHN S. TUNSTALL

CIVIL

TECH: MWA

DES: JST

CHK: TJC

PROJECT NO.
25001

SHEET NO.
C0

NC GRID NAD83 (2011)

SSMH
RIM=37.15
IN(SE)=32.68-8" PVC
IN(SW)=32.82-8" PVC
OUT(NW)=32.61-8" PVC

SSMH
RIM=38.22
IN(SW)=30.99-8" PVC
IN(SE)=31.27-8" PVC
IN(WNW)=33.25-6" PVC
OUT(NE)=30.93-8" PVC

39.89
FFE

SSMH
RIM=37.86
IN(SE)=33.66-PIPE PLUGGED
IN(SW)-NO ACCESS (RECESSED)
OUT(NW)=33.59-8" PVC

IRON PIPE FOUND
N=112668.86 FEET
E=2254399.97 FEET

CONC. RISER
TOP=31.38
INV=25.45-36" RCP

36" RCP
INV=25.13

60" CMP
INV=24.02

36" RCP
INV=25.30

60" CMP
INV=24.04

60" CMP
INV=23.91

60" CMP
INV=21.95

INLET
GRATE=37.07
IN(E)=34.69-12" PVC
IN(E)=35.36-4"HDPE
IN(E)=35.03-4" PVC
OUT(SW)=33.11-24" RCP

C8
TC=38.16
OUT(SE)=33.60-15" RCP

INLET
GRATE=37.77
BOTTOM OF INLET=33.52 (IN RECESSED)
OUT(SE)=34.66-24" RCP

24" RCP W/FES
INV=32.89

30" RCP W/FES
INV=33.05

RIP-RAP

24" HDPE
INV=32.64

INLET
GRATE=34.79
IN(SE)=30.42-24" RCP
IN(SW)=30.88-18" HDPE
OUT(NW)=39.44-24" HDPE

18" HDPE
INV=33.56

12" CMP W/FES
INV=34.02

12" CMP
INV=34.81

12" CMP(BROKEN)
INV=34.82

8" HDPE
INV=35.20

12" CMP
INV=35.08

CHAIN LINK FENCE

CENTER OF TOWER
N=112153.34 FEET
E=2252602.23 FEET

SSMH
RIM=36.57
IN(SW)=31.77-8" PVC
OUT(NE)=31.72-8" PVC

16" RCP
INV=34.96

SSMH
RIM=38.12
IN(SE)=32.59-8" PVC
OUT(NE)=32.51-8" PVC

GATE

16" RCP
INV=35.12

SSMH
RIM=40.64
IN(SE)=33.15-NO ACCESS (RECESSED)
OUT(NW)=32.97-8" PVC

4" PVC
INV=39.60

IRON POST
(TYP.)

SPEED BUMP

HANDICAP RAMP

4" PVC
INV=39.31

40.73
FFE BLDG

IRON ROD FOUND
N=111748.04 FEET
E=2252542.79 FEET

IRON POST
(TYP.)

TIMMONS #1
CAPPED IRON ROD
N=111957.53 FEET
E=2253436.58 FEET
EL=38.11

TIMMONS #2
CAPPED IRON ROD
N=111721.93 FEET
E=2253106.65 FEET
EL=40.17

U.S. HWY 17 BUS.
(A.K.A. OLD OCEAN HWY.)
100' PUBLIC R/W

ROSA ROAD SE

INLET
GRATE=34.61
IN(NE)=30.28-24" HDPE
OUT(SW)=30.26-24" RCP

INLET
GRATE=34.96
IN(NE)=30.06
OUT(NW)=29.89-24" HDPE

INLET
GRATE=34.09
IN(NE)=30.16-24" HDPE
IN(NW)=30.14-
OUT(SE)=30.09-24" HDPE

24" RCP(CONC. IN PIPE)
INV=31.91

INLET
GRATE=34.11
IN(NE)=30.62-24" RCP
OUT=30.57-24" HDPE

LINE PER GIS
(NO SIGNAL)

"WOOD RETAINING WALL"

8" HDPE W/FES
INV=28.41

-21.6'

-10.9'

-13.8'

POND GAGE
101645
101644

RISER
TOP=33.0
IN(SW)=27.02-24" PVC
OUT(NE)=28.39-36" RCP

SIGN

24" RCP
INV=28.35

24" RCP
INV=29.10

15" RCP
INV=32.16

15" RCP
INV=32.43

15" RCP
INV=33.84

15" RCP
INV=33.92

15" RCP
INV=34.91

15" RCP
INV=34.92

15" RCP W/HEADWALL
INV=36.66

15" RCP W/HEADWALL
INV=36.16

15" RCP
INV=36.62

15" RCP
INV=36.94

15" RCP
INV=36.37

15" RCP
INV=36.18

INLET
GRATE=36.04
OUT=35.01-8" HDPE

ABBREVIATIONS LEGEND

BFE -	Base Flood Elevation	N/F-	Now or Formerly
BLDG -	Building	NTS -	Not to Scale
C/L -	Centerline	P.O.B.-	Point of Beginning
CB -	Catch Basin	P/L -	Property Line
CI -	Curb Inlet	PB -	Plat Book
CMP -	Corrugated Metal Pipe	PC -	Plat Cabinet
DB -	Deed Book	PG -	Page
DIP -	Ductile Iron Pipe	PIN -	Parcel Identification Marker
ELEV.-	Elevation	R/W -	Right of Way
EP -	Edge of Pavement	RCP -	Reinforced Concrete Pipe
FES -	Flared End Section	SDMH -	Storm Drainage Manhole
FFE -	Finished Floor Elevation	SF -	Square Feet
GI -	Grate Inlet	SIGP -	Signal Pole
GV -	Gas Valve	SL-	Slide
HDPE -	High Density Polyethylene Pipe	SSMH -	Sanitary Sewer Manhole
HVAC -	Heating, Ventilation, Air Conditioning	TBC -	Top and Back of Curb
INV.-	Invert	TVP -	Television Pedestal
LSA -	Landscaped Area	TYP-	Typical
MKF -	Fiber Optic Marker	VCP -	Vitrified Clay Pipe
MKG -	Gas Marker	WCR -	Wake County Records\
		YI-	Yard Inlet

LEGEND

Iron Pipe Found	Telephone manhole	Gas Meter	Railroad Crossing Sign	Surveyed Property Line	
Iron Rod Found	Water System Manhole	Gas Valve	Traffic Signal Box	Tie Line	
¾" Capped Iron Rod Set	Satellite Dish Antenna	Bollard	Traffic Signal Pole	Line Not Surveyed	
Computed Point	Electrical Box	Borehole	Left Turn Arrow	Fence	X X
Concrete Monument Found	Telephone Pedestal	Air Conditioner Unit	Right Turn Arrow	Overhead Power Line	OHP
Nail Found	Cable TV Pedestal	Mailbox	Straight Arrow	Painted Gas Line	G
csf - Cotton Spindle Found	Sign	Yard Light	Bike Lane	Painted Power Line	UGP
Witness Post	Electrical Meter	Ground Lamp	HC Handicap Parking	Painted Storm Sewer Line	STM
Benchmark / Control Point	Water Meter	Monitoring Well		Painted Telephone Line	UGT
BFP Backflow Preventer	Water Valve	Roof Drain		Painted Water Line	W
WV Water Vault	Fire Hydrant	Sanitary Clean-Out		Edge of Tree Line	
TV Telephone Vault	Power Pole	Well		Painted Fiber Optic Line	UFO
TC Traffic Control Box	Light Pole	Guy Anchor		Painted Cable TV Line	UCATV
VP Power Vault	Sprinkler Box	Flag Pole		Creek Centerline	
VU Utility Vault	Sprinkler Head	Tree		Utility Line	UTL
Storm Drainage Manhole	Sprinkler Valve	Headstone		Right of Way Line	R/W R/W
Sanitary Sewer Manhole	Gas Test Location	Title Exception Number		Edge of Pavement	
Electrical Manhole	Drainage Structure	Utility Manhole		Curb and Gutter	

SURVEY NOTES:

1. *Horizontal control is based on North Carolina State Plane Coordinates NAD 1983 (2011).*
2. *Vertical control based on North American Vertical Datum 1988.*
3. *Contour interval is one foot (1.0').*
4. *This survey does not verify the existence of, nor certify the location of, any jurisdictional wetlands that may exist on this property.*
5. *This survey is not, and should not be construed as, a boundary survey. This survey is for planning purposes only and should not be used for the transfer of real property. This map is not suitable for recording.*
6. *Right-Of-Way and property boundary information is based on deeds and plats of record as shown hereon.*

NORTH CAROLINA PROFESSIONAL SEAL 3232 LAND SURVEYOR TERRY L. WESTENDORF

I, Terry L. Westendorf, certify that this project was completed under my direct and responsible charge from an actual survey made under my supervision; that this ground survey was performed at the 95 percent confidence level to meet Federal Geographic Data Committee Standards; that this survey was performed to meet the requirements for a topographic/planimetric survey to the accuracy of Class A and vertical accuracy when applicable to the Class C standard, and that the survey was completed on June 16, 2025 ; that contours shown as broken lines may not meet the stated standard; and all coordinates are based on North Carolina State Plane Coordinate System, "NAD 83" and realization 2011 and all elevations are based on NAVD 88.

TOPOGRAPHIC BASE MAP FOR
BRUNSWICK COUNTY
GOVERNMENT CENTER
PARCEL:13900059
DB 343 PG 474; DB 343 PG 477
CITY OF BOLIVIA
BRUNSWICK COUNTY, NORTH CAROLINA

REVISIONS	CITY OF BOLIVIA	BRUNSWICK COUNTY, NC
8.6.2025 Added expanded scope area.	Date: 9/9/2025	Scale: 1" = 60'
9.9.2025 Added expanded scope area.	Sheet 1 of 2	J.N.: 72753
	Drawn by: TLW	

THIS DRAWING PREPARED AT THE
RALEIGH OFFICE
5410 TRINITY ROAD, Suite 102 | RALEIGH, NC 27607
TEL 919.866.4951 FAX 919.859.5663 www.timmons.com
NORTH CAROLINA LICENSE NUMBER C-1652

Site Development | Residential | Infrastructure | Technology

YOUR VISION ACHIEVED THROUGH OURS.

TIMMONS GROUP

TREE SURVEY	
POINT #	DESCRIPTION
100578	28" PINE
100579	17" SWEET GUM
100580	19" SWEET GUM
100581	15" TRIP. SWEET GUM
100582	16" DBL. SWEET GUM
100583	10" SWEET GUM
100595	30" RED OAK
100843	16" RED OAK
100844	25" PINE
100845	18" SWEET GUM
100846	15" SWEET GUM
100847	27" RED OAK
101255	29" PINE
101440	27" PINE
101441	24" PINE
101469	22" MAPLE
101539	23" PINE
101540	19" PINE
101541	20" PINE

TREE SURVEY	
POINT #	DESCRIPTION
101542	16" STUMP
101543	22" PINE
101544	27" PINE
101545	22" PINE
101546	15" PINE
101547	26" PINE
101548	13" PINE
101549	5" DOGWOOD
101550	17" PINE
101551	21" PINE
101552	4" DOGWOOD
101553	18" PINE
101554	21" PINE
101555	22" PINE
101556	20" PINE
101557	19" PINE
101558	20" PINE
101559	13" PINE
101560	12" PINE
101561	21" PINE

TREE SURVEY	
POINT #	DESCRIPTION
101562	11" RED OAK
101620	16" RED OAK
101644	25" PINE
101645	28" PINE
101646	28" PINE
101647	26" PINE
101648	23" PINE
102139	11" DECIDUOUS
102140	15" DECIDUOUS
102153	11" DECIDUOUS
107136	30" SWEET GUM
107137	26' PINE
107138	24" PINE
107139	22" PINE
107200	28" RED OAK
107201	21" RED OAK
107202	22" RED OAK
107203	19" RED OAK
107204	21" SWEET GUM
107205	25" SWEET GUM

TREE SURVEY	
POINT #	DESCRIPTION
107206	12" SWEET GUM
107207	26" PINE
107208	28" PINE
107209	18" SWEET GUM
107210	30" PINE
107211	30" PINE
107212	24" PINE
107213	23" SWEET GUM
107214	32" PINE
107215	10" GUM
107216	21" PINE
107217	22" PINE
107218	24" PINE
107219	18" PINE
107220	28" PINE
107221	22" PINE
107222	24" PINE
107223	24" PINE
107224	24" PINE
107225	"28 PINE

TREE SURVEY	
POINT #	DESCRIPTION
107226	24" PINE
107227	9" SWEET GUM CLUSTER
107228	26" PINE
107229	30" GUM
107230	BRADFORD PEAR CLUSTER
107231	7" PECAN
107232	29" PECAN
107254	36" PINE
107255	20" DECIDUOUS
107256	12" DECIDUOUS
107257	14" SWEET GUM CLUSTER
107258	10" SWEET GUM
107259	16" SWEET GUM
107260	26" PINE
107261	18" SWEET GUM
107262	19" SWEET GUM
107263	16" BRADFORD PEAR
107264	26" DECIDUOUS
107265	15" SWEET GUM
107266	18" SWEET GUM

TREE SURVEY	
POINT #	DESCRIPTION
107267	24" PINE
107268	23" GUM
107269	17" GUM
107270	34" PINE
107271	11" GUM
107272	34" PINE
107273	15" GUM
107274	18" GUM
107275	15" GUM
107276	11" DECIDUOUS
107277	13" DECIDUOUS
107278	22" DECIDUOUS
107279	13" DECIDUOUS
107280	16" GUM
107281	15" BRADFORD PEAR
107282	10" RED OAK
107283	9" RED OAK

TREE SURVEY	
POINT #	DESCRIPTION
4102939	12" BIRCH
4102940	9" BIRCH
4102941	12" BIRCH
4102942	13" BIRCH
4102945	28" PINE
4102946	22" PINE
4102949	20" PINE
4102950	19" PINE
4102970	22" GUM
4102971	7" BIRCH

TREE SURVEY	
POINT #	DESCRIPTION
110001	11" SWEET GUM
110002	14" SWEET GUM
110003	8" SWEET GUM
110004	17" SWEET GUM
110005	13" SWEET GUM
110006	8" SWEET GUM
110007	14" SWEET GUM
110008	8" SWEET GUM
110009	19" PINE
110010	21" PINE
110011	9" SWEET GUM
110012	9" SWEET GUM
110013	17" OAK
110014	12" SWEET GUM
110015	26" TWIN SWEET GUM
110016	22" OAK
110179	15" TWIN SWEET GUM
110180	7" SWEET GUM

TOPOGRAPHIC BASE MAP FOR
BRUNSWICK COUNTY
GOVERNMENT CENTER
PARCEL:13900059
DB 343 PG 474; DB 343 PG 477
CITY OF BOLIVIA
BRUNSWICK COUNTY, NORTH CAROLINA

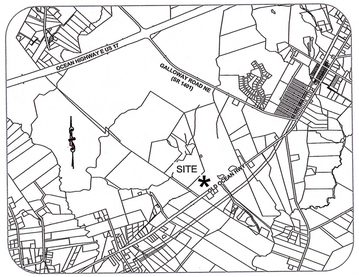
REVISIONS	CITY OF BOLIVIA	BRUNSWICK COUNTY, NC
8.6.2025 Added expanded scope area.	Date: 9/9/2025	Scale: N/A'
9.9.2025 Added expanded scope area.	Sheet 2 of 2	J.N.: 72753
	Drawn by: TLW	

THIS DRAWING PREPARED AT THE
RALEIGH OFFICE
5410 TRINITY ROAD, Suite 102 | RALEIGH, NC 27607
TEL 919.866.4951 FAX 919.859.5663 www.timmons.com
NORTH CAROLINA LICENSE NUMBER C-1652

YOUR VISION ACHIEVED THROUGH OURS.

Site Development | **Residential** | **Infrastructure** | **Technology**

TIMMONS GROUP



LOCATION MAP

BUILDING K

BUILDING E

ADMINISTRATION BUILDING

BUILDING D

BUILDING B

BUILDING A

BUILDING C (EMS)

SITE INFORMATION
205,078 SF / 4.61 AC
33K SF/L - 132K TOTAL SF 258
PARKING STALLS ON SITE 140
PARKING STALLS ACROSS GOVT. CENTER DR

140 EXISTING PARKING STALLS

PROPOSED HEALTH & HUMAN SERVICES EOC BUILDING FFE=41.0'

PROPOSED ROUNDABOUT SEE DETAIL

APPROXIMATE LOCATION OF PARKING LOT EOP

EXISTING SIDEWALK FIELD VERIFY LOCATION

SURVEY NOT PROVIDED FOR EXISTING TREE AND PICNIC TABLE FIELD VERIFY AND MEANDER SIDEWALK AROUND TREE & TABLE

APPROXIMATE LOCATION OF EXISTING TREES FIELD VERIFY

RAISED CROSS WALK (SEE DETAIL)

RAISED HANDICAP CROSS WALK (SEE DETAIL)

GOVERNMENT CENTER DR NE

PROPOSED PROJECT AREA = 374,550 SF (8.60 Ac.)

CANOPY

MAIN ENTRY

DROP OFF

DUMPSTER PAD WITH ENCLOSURE SEE LANDSCAPE & STRUCTURAL PLANS FOR ENCLOSURE DETAILS

GENERATOR WITH ENCLOSURE SEE LANDSCAPE & STRUCTURAL PLANS FOR ENCLOSURE DETAILS

PROPOSED STORM WATER POND #2

NEW OUTLET STRUCTURE WITH 4" SKIMMER (SEE DETAIL)

COURT HOUSE DR NE

EXISTING STORMWATER POND #1

GOVERNMENT CENTER DR NE

20.0' STREETYARD

PROPOSED PROJECT AREA = 358,184 SF (8.45 Ac.)

US HWY 17 BUS OLD OCEAN HIGHWAY 100' R/W

PROPOSED 10' MULTI-USE PATH

SCALE: 1"=60'

0 30 60 120 180

- PROPERTY LINE
- LDL LDL — DISTURBED AREA LIMITS
- PROPOSED CONTOUR
- X X TSF — TEMPORARY SILT FENCE
- SD SD — PROPOSED STORMDRAIN PIPE
- W W W — PROPOSED WATERLINE
- SS SS — PROPOSED SANITARY SEWER
- PROPOSED DITCH SWALE
- 41.85 — PROPOSED SPOT ELEVATION FLOW LINE
- 41.85 — PROPOSED SPOT ELEVATION TOP OF CURB
- 41.85 — PROPOSED SPOT ELEVATION FINISH GRADE
- FLARED END SECTION WITH RIP-RAP ENERGY DISSIPATOR
- DROP INLET WITH INLET PROTECTION (DI)
- CURB INLET WITH INLET PROTECTION (CI)
- JUNCTION BOX (JB)
- PROPOSED FIRE HYDRANT
- WATER TEE
- WATER VALVE
- WATER REDUCER
- 49 — EXISTING CONTOUR
- 13"PINE — EXISTING TREE TO BE SAVED
- 13"PINE — EXISTING TREE TO BE REMOVED
- TP TP TP TP TP — TREE PROTECTION FENCING
- CONSTRUCTION ENTRANCE

SITE DATA TABLE

PARCEL ID#:	13900059
PARCEL PIN#:	215114239264
PARCEL OWNER:	BRUNSWICK COUNTY
PARCEL AREA:	137.19 AC
PROJECT AREA:	8.60 AC (374,550 SF)
PROPOSED PARCEL USE:	GOVERNMENT CENTER
CURRENT ZONING:	RURAL RESIDENTIAL
SOIL TYPE:	GoA, NoB
BUILDING SETBACKS RR	RURAL RESIDENTIAL
FRONT SETBACK:	40'
INTERIOR SIDE SETBACK:	30'
REAR SETBACKS:	40'
PROPOSED BUILDING SETBACKS	
SETBACK (FRONT):	73.5' ±
SETBACK (SIDE):	>30'
SETBACK (REAR):	>40'
PROPOSED BUILDING INFORMATION	
TOTAL # OF BUILDINGS:	1
TOTAL SF OF BUILDING:	132,000 SF
BLDG HEIGHT:	68' (4 STORIES)

* EXISTING ON-SITE IMPERVIOUS	
MUP:	18,955 SF
BUILDING:	0 SF
ASPHALT, C&G:	25,267 SF
TOTAL:	44,222 SF
* EXISTING IMPERVIOUS TO BE REMOVED	
MUP:	18,955 SF
BUILDING:	0 SF
ASPHALT, C&G:	11,835 SF
TOTAL:	30,790 SF
* PROPOSED NEW IMPERVIOUS	
SIDEWALK/MUP:	19,126 SF
BUILDING:	35,124 SF
ASPHALT, C&G:	104,942 SF
TOTAL:	159,192 SF
* TOTAL IMPERVIOUS	
SIDEWALK/MUP:	19,126 SF
BUILDING:	35,124 SF
ASPHALT, C&G:	104,942 SF
EXISTING ASPHALT TO REMAIN:	13,432 SF
TOTAL:	172,624 SF

* WITHIN PROJECT AREA

REQUIRED PARKING	
MINIMUM PARKING (1 SP/400 SF):	330
PROVIDED PARKING ONSITE	
PARKING SPACES:	204 (INCLUDING HC)
HANDICAP PARKING SPACES:	13
BLDG A & B LOT:	140 AVAILABLE
TOTAL PARKING SPACES:	344 (INCLUDING 13 HC)
LANDSCAPING:	REFERENCE LANDSCAPE PLAN
BC COMPLEX TOTAL EX. BLDG AREA:	240,450 SF
NEW HHS AREA:	132,000 SF
TOTAL AREA ON CAMPUS:	372,450 SF
REQUIRED PARKING SPACES (1 SP/ 400 FT):	932 SPACES
APPROXIMATE BLDG. OCCUPANCY:	1,341 PEOPLE
SEWER DEMAND (1,341 x 25 GPD/PERSON):	33,525 GPD
WATER DEMAND (1,341 x 25 GPD/PERSON):	33,525 GPD
BUILDING CONSTRUCTION TYPE:	IIB
TRASH REMOVAL:	DUMPSTER
TOTAL DISTURBED AREA:	358,857 SF (8.24 ACRES)

NOTE: PER BRUNSWICK COUNTY:
6.12 OFF STREET PARKING AND LOADING
ACCORDING TO THE 2021 MASTER PLAN: GOVERNMENT OFFICES REQUIRE 1 PARKING SPACE PER 400 SQUARE FEET OF BUILDINGS, WHICH RESULTS IN THE CAMPUS REQUIRING 605 SPACES FOR 240,450 SQUARE FEET OF EXISTING BUILDING. WITH THE 1,603 EXISTING SPACES, THE EXISTING SITE IS PROVIDING 1 SPACE PER 150 SQUARE FEET OF BUILDING OR ROUGHLY 265% OF THE REQUIRED MINIMUM. EXISTING ACTUAL SPACES: 1,603 SPACES

FOR PERMIT ONLY

OVERALL SITE PLAN
BRUNSWICK COUNTY HEALTH & HUMAN SERVICES
67 GOVERNMENT CENTER DR NE
BOLIVIA, NC 28422

OWNER/DEVELOPER
STEVE STONE, COUNTY MANAGER
BRUNSWICK COUNTY
P.O. BOX 249
BOLIVIA, NC 28422
910-253-2015
steve.stone@brunswickcountync.gov

Tunstall Consulting Engineers PLLC
2602 IRON GATE DR., SUITE 102
WILMINGTON, NC 28412
PHONE (910) 343-9653
LICENSE# P-3152

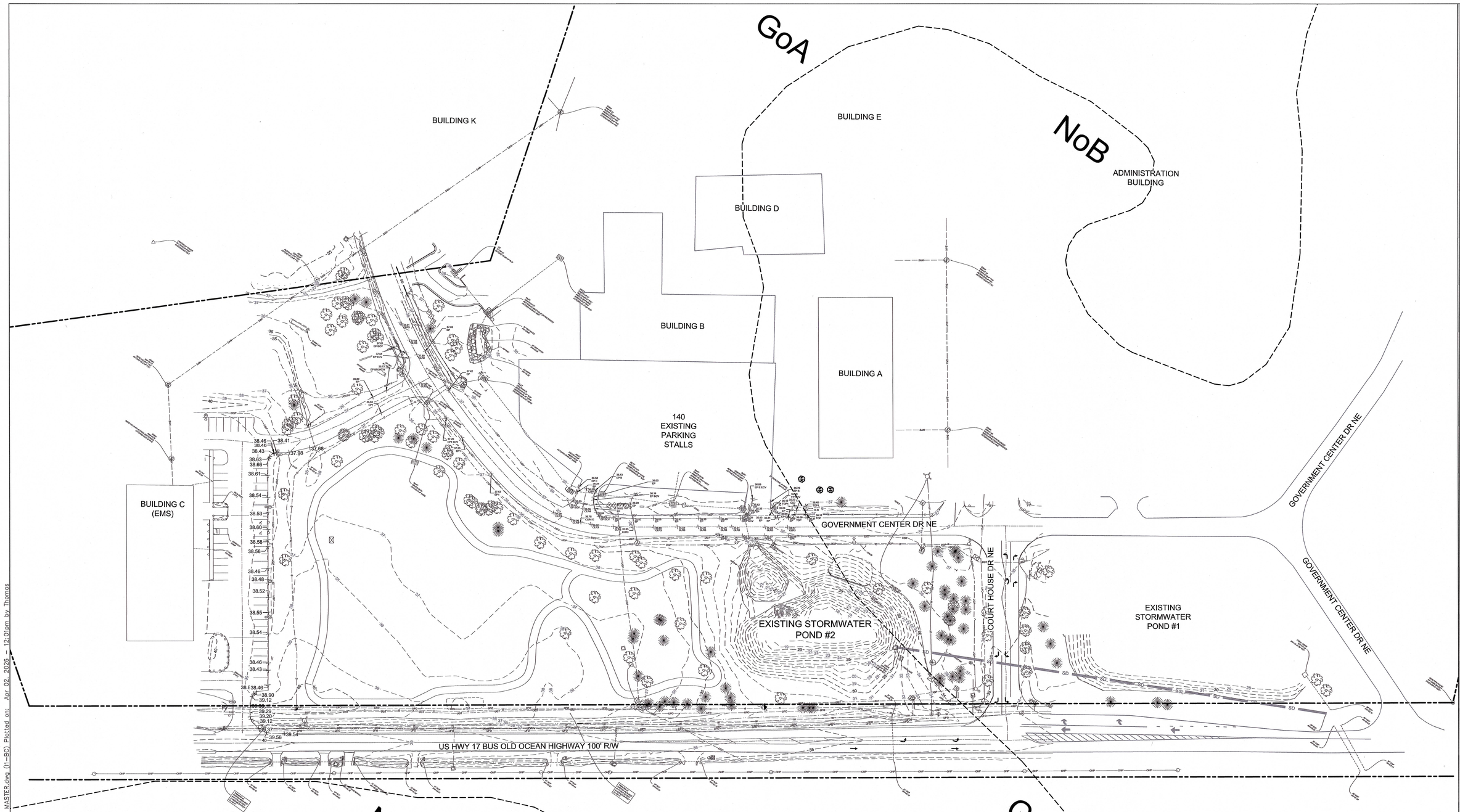
25001

DES. JST
CKD. TJC
DRWN. MWA
DATE 04-01-26

NORTH CAROLINA PROFESSIONAL SEAL 19851 ENGINEER JOHN S. TUNSTALL

C1

C:\Users\Thomas\AppData\Local\Temp\AcPublish_17852\25001 MASTER.dwg (C1-BC) Plotted on: Apr 02, 2026 - 1:50pm by Thomas



TREE SURVEY	
POINT #	DESCRIPTION
100578	28" PINE
100579	17" SWEET GUM
100580	19" SWEET GUM
100581	15" TRIP. SWEET GUM
100582	16" DBL. SWEET GUM
100583	10" SWEET GUM
100595	30" RED OAK
100843	16" RED OAK
100844	25" PINE
100845	16" SWEET GUM
100846	15" SWEET GUM
100847	27" RED OAK
101255	29" PINE
101440	27" PINE
101441	24" PINE
101469	22" MAPLE
101539	23" PINE
101540	19" PINE
101541	20" PINE

TREE SURVEY	
POINT #	DESCRIPTION
101542	16" STUMP
101543	22" PINE
101544	27" PINE
101545	22" PINE
101546	15" PINE
101547	26" PINE
101548	13" PINE
101549	5" DOGWOOD
101550	17" PINE
101551	21" PINE
101552	4" DOGWOOD
101553	18" PINE
101554	21" PINE
101555	22" PINE
101556	20" PINE
101557	19" PINE
101558	20" PINE
101559	13" PINE
101560	12" PINE
101561	21" PINE

TREE SURVEY	
POINT #	DESCRIPTION
101562	11" RED OAK
101620	16" RED OAK
101644	25" PINE
101645	28" PINE
101646	28" PINE
101647	26" PINE
101648	23" PINE
102139	11" DECIDUOUS
102140	15" DECIDUOUS
102153	11" DECIDUOUS
107136	30" SWEET GUM
107137	26" PINE
107138	24" PINE
107139	22" PINE
107200	28" RED OAK
107201	21" RED OAK
107202	22" RED OAK
107203	19" RED OAK
107204	21" SWEET GUM
107205	25" SWEET GUM

TREE SURVEY	
POINT #	DESCRIPTION
107206	12" SWEET GUM
107207	26" PINE
107208	28" PINE
107209	16" SWEET GUM
107210	30" PINE
107211	30" PINE
107212	24" PINE
107213	23" SWEET GUM
107214	32" PINE
107215	10" GUM
107216	21" PINE
107217	22" PINE
107218	24" PINE
107219	18" PINE
107220	28" PINE
107221	22" PINE
107222	24" PINE
107223	24" PINE
107224	24" PINE
107225	28 PINE

TREE SURVEY	
POINT #	DESCRIPTION
107226	24" PINE
107227	9" SWEET GUM CLUSTER
107228	26" PINE
107229	30" GUM
107230	BRADFORD PEAR CLUSTER
107231	7" PECAN
107232	29" PECAN
107254	36" PINE
107255	20" DECIDUOUS
107256	12" DECIDUOUS
107257	14" SWEET GUM CLUSTER
107258	10" SWEET GUM
107259	16" SWEET GUM
107260	26" PINE
107261	18" SWEET GUM
107262	19" SWEET GUM
107263	16" BRADFORD PEAR
107264	26" DECIDUOUS
107265	15" SWEET GUM
107266	18" SWEET GUM

TREE SURVEY	
POINT #	DESCRIPTION
107267	24" PINE
107268	23" GUM
107269	17" GUM
107270	34" PINE
107271	11" GUM
107272	34" PINE
107273	15" GUM
107274	18" GUM
107275	15" GUM
107276	11" DECIDUOUS
107277	13" DECIDUOUS
107278	22" DECIDUOUS
107279	13" DECIDUOUS
107280	16" GUM
107281	15" BRADFORD PEAR
107282	10" RED OAK
107283	9" RED OAK

TREE SURVEY	
POINT #	DESCRIPTION
4102939	12" BIRCH
4102940	9" BIRCH
4102941	12" BIRCH
4102942	13" BIRCH
4102945	28" PINE
4102946	22" PINE
4102949	20" PINE
4102950	19" PINE
4102970	22" GUM
4102971	7" BIRCH

TREE SURVEY	
POINT #	DESCRIPTION
110001	11" SWEET GUM
110002	14" SWEET GUM
110003	8" SWEET GUM
110004	17" SWEET GUM
110005	13" SWEET GUM
110006	8" SWEET GUM
110007	14" SWEET GUM
110008	8" SWEET GUM
110009	19" PINE
110010	21" PINE
110011	9" SWEET GUM
110012	9" SWEET GUM
110013	17" OAK
110014	12" SWEET GUM
110015	26" TWIN SWEET GUM
110016	22" OAK
110179	15" TWIN SWEET GUM
110180	7" SWEET GUM

SOILS:
NORFOLK LOAMY SAND
GROUP: NoB
HYDROLOGIC SOIL TYPE: D (60,054 SF)

GOLDSBORO FINE SANDY LOAM
GROUP: GoA
HYDROLOGIC SOIL TYPE: A/D (314,496 SF)

FOR PERMIT ONLY

SCALE: 1"=60'

0 30 60 120 180

SITE INVENTORY PLAN
BRUNSWICK COUNTY HEALTH & HUMAN SERVICES
67 GOVERNMENT CENTER DR NE
BOLIVIA, NC 28422

OWNER/DEVELOPER
STEVE STONE, COUNTY MANAGER
BRUNSWICK COUNTY
P.O. BOX 249
BOLIVIA, NC 28422
910-253-2015
steve.stone@brunswickcountync.gov

Tunstall Consulting Engineers PLLC
2602 IRON GATE DR., SUITE 102
WILMINGTON, NC 28412
PHONE (910) 343-9633
LICENSE# P-3152

25001

DES. JST
CK'D. TJC
DRWN. MWA

DATE 04-01-26

NORTH CAROLINA PROFESSIONAL SEAL 19851 ENGINEER JOHN S. TUNSTALL

11

G:\projects\2025\25001 BC HHS-EOC Bldg\25001 Plans\dwg\25001 MASTER.dwg (11-BC) Plotted on: Apr 02, 2026 - 12:01pm by Thomas

TOTAL # OF TREES TO REMOVE: 76

ASPHALT REMOVAL

BUILDING K

BUILDING E

ADMINISTRATION BUILDING

BUILDING D

BUILDING B

BUILDING A

BUILDING C (EMS)

NOTE:
1) AS PART OF A SEPARATE CONTRACT, BUILDING A TO BE REMOVED BY BRUNSWICK COUNTY
2) COORDINATE THE RELOCATION OF ALL UTILITIES WITH UTILITY PROVIDER

REMOVE EXISTING 18" HDPE PIPE

REMOVE RIP-RAP

REMOVE ASPHALT. COORDINATE ASPHALT REMOVAL WITH BRUNSWICK COUNTY.

140 EXISTING PARKING STALLS

REMOVE EXISTING ASPHALT FROM SOUTH OF CENTERLINE OF ROAD TO EDGE OF PAVEMENT. REGRADE PER ROAD GRADING PLAN.

REMOVE ASPHALT. COORDINATE ASPHALT REMOVAL WITH BRUNSWICK COUNTY.

RELOCATE EXISTING LIGHT POLE

REMOVE EXISTING INLET GRATE AND 8" HDPE SD PIPE

REMOVE EXISTING FENCE

GOVERNMENT CENTER DR NE

REMOVING 18,955 SF OF EXISTING PATH

COORDINATE WITH UTILITY PROVIDER TO RAISE ELECTRICAL INFRASTRUCTURE

REMOVE & RELOCATE EXISTING 6" WATER LINE- FIELD VERIFY LOCATION

COURT HOUSE DR NE

GOVERNMENT CENTER DR NE

DEMOLISH OR SALVAGE EXISTING WHEEL STOPS

COORDINATE WITH OWNER TO RELOCATE COMMUNICATION STRUCTURE

REMOVE EXISTING ASPHALT PATH

REMOVE EXISTING WATER METER

REMOVE EXISTING ASPHALT PATH

RELOCATE EXISTING LIGHT POLE & UNDERGROUND POWER

RE-STRIPE EXISTING PARKING SPACES

REMOVE EXISTING POWER METER

REMOVE EXISTING OUTLET STRUCTURE & APPROXIMATELY 81LF OF 36" RCP

EXISTING STORMWATER POND #1

REMOVE EXISTING ASPHALT PATH

DEMOLISH EXISTING TREE ISLAND

RELOCATE AND REMOVE EXISTING POWER, COORDINATE WITH UTILITY PROVIDER

REMOVE POND GAGE

EXISTING 36" RCP

20.0' STREETYARD

US HWY 17 BUS OLD OCEAN HIGHWAY 100' R/W

U.S. HWY 17 BUS. (A.K.A. OLD OCEAN HWY.) 100' PUBLIC R/W

ROSA ROAD SE

TREE SURVEY	
POINT #	DESCRIPTION
100578	28" PINE
100579	17" SWEET GUM
100580	19" SWEET GUM
100581	15" TRIP. SWEET GUM
100582	16" DBL. SWEET GUM
100583	10" SWEET GUM
100595	30" RED OAK
100843	16" RED OAK
100844	25" PINE
100845	18" SWEET GUM
100846	15" SWEET GUM
100847	27" RED OAK
101255	29" PINE
101440	27" PINE
101441	24" PINE
101469	22" MAPLE
101539	23" PINE
101540	19" PINE
101541	20" PINE

TREE SURVEY	
POINT #	DESCRIPTION
101542	16" STUMP
101543	22" PINE
101544	27" PINE
101545	22" PINE
101546	15" PINE
101547	26" PINE
101548	13" PINE
101549	5" DOGWOOD
101550	17" PINE
101551	21" PINE
101552	4" DOGWOOD
101553	18" PINE
101554	21" PINE
101555	22" PINE
101556	20" PINE
101557	19" PINE
101558	20" PINE
101559	13" PINE
101560	12" PINE
101561	21" PINE

TREE SURVEY	
POINT #	DESCRIPTION
101582	11" RED OAK
101620	16" RED OAK
101644	25" PINE
101645	28" PINE
101646	28" PINE
101647	26" PINE
101648	23" PINE
102139	11" DECIDUOUS
102140	15" DECIDUOUS
102153	11" DECIDUOUS
107136	30" SWEET GUM
107137	26" PINE
107138	24" PINE
107139	22" PINE
107200	28" RED OAK
107201	21" RED OAK
107202	22" RED OAK
107203	19" RED OAK
107204	21" SWEET GUM
107205	25" SWEET GUM

TREE SURVEY	
POINT #	DESCRIPTION
107206	12" SWEET GUM
107207	26" PINE
107208	28" PINE
107209	18" SWEET GUM
107210	30" PINE
107211	30" PINE
107212	24" PINE
107213	23" SWEET GUM
107214	32" PINE
107215	10" GUM
107216	21" PINE
107217	22" PINE
107218	24" PINE
107219	18" PINE
107220	28" PINE
107221	22" PINE
107222	24" PINE
107223	24" PINE
107224	24" PINE
107225	28 PINE

TREE SURVEY	
POINT #	DESCRIPTION
107226	24" PINE
107227	9" SWEET GUM CLUSTER
107228	26" PINE
107229	30" GUM
107230	BRADFORD PEAR CLUSTER
107231	7" PECAN
107232	29" PECAN
107254	36" PINE
107255	20" DECIDUOUS
107256	12" DECIDUOUS
107257	14" SWEET GUM CLUSTER
107258	10" SWEET GUM
107259	16" SWEET GUM
107260	26" PINE
107261	18" SWEET GUM
107262	19" SWEET GUM
107263	16" BRADFORD PEAR
107264	26" DECIDUOUS
107265	15" SWEET GUM
107266	18" SWEET GUM

TREE SURVEY	
POINT #	DESCRIPTION
107267	24" PINE
107268	23" GUM
107269	17" GUM
107270	34" PINE
107271	11" GUM
107272	34" PINE
107273	15" GUM
107274	18" GUM
107275	15" GUM
107276	11" DECIDUOUS
107277	13" DECIDUOUS
107278	22" DECIDUOUS
107279	13" DECIDUOUS
107280	16" GUM
107281	15" BRADFORD PEAR
107282	10" RED OAK
107283	9" RED OAK

TREE SURVEY	
POINT #	DESCRIPTION
4102939	12" BIRCH
4102940	9" BIRCH
4102941	12" BIRCH
4102942	13" BIRCH
4102945	28" PINE
4102946	22" PINE
4102949	20" PINE
4102950	19" PINE
4102970	22" GUM
4102971	7" BIRCH

TREE SURVEY	
POINT #	DESCRIPTION
110001	11" SWEET GUM
110002	14" SWEET GUM
110003	8" SWEET GUM
110004	17" SWEET GUM
110005	13" SWEET GUM
110006	8" SWEET GUM
110007	14" SWEET GUM
110008	8" SWEET GUM
110009	19" PINE
110010	21" PINE
110011	9" SWEET GUM
110012	9" SWEET GUM
110013	17" OAK
110014	12" SWEET GUM
110015	26" TWIN SWEET GUM
110016	22" OAK
110179	15" TWIN SWEET GUM
110180	7" SWEET GUM

TREE REMOVAL:

PINE:
12" (1) 13" (2)
15" (1) 17" (1)
18" (1) 19" (2)
20" (4) 21" (3)
22" (3) 23" (2)
24" (3) 25" (2)
26" (5) 27" (1)
28" (4) 30" (2)
32" (1) 34" (1)
36" (1)

BRADFORD PEAR:
15" (1)
16" (1)
CLUSTER (1)

RED OAK:
9" (1) 19" (1)
21" (1) 22" (1)
27" (1) 28" (1)

BIRCH:
12" (1)

GUM:
10" (1)
11" (1)
30" (1)

DECIDUOUS:
12" (1)
20" (1)
26" (1)

STUMP:
16" (1)

PECAN:
7" (1)
29" (1)

DOGWOOD:
4" (1)
5" (1)

SWEET GUM:
9" CLUSTER (1)
10" (1)
12" (1)
14" CLUSTER (1)
15" (2)
16" (1)
18" (4)
19" (1)
21" (1)
23" (1)
25" (1)

FOR PERMIT ONLY

SCALE: 1"=60'

0 30 60 120 180

TREE REMOVAL & DEMOLITION PLAN
BRUNSWICK COUNTY HEALTH & HUMAN SERVICES
67 GOVERNMENT CENTER DR NE
BOLIVIA, NC 28422

OWNER/DEVELOPER
STEVE STONE, COUNTY MANAGER
BRUNSWICK COUNTY
P.O. BOX 249
BOLIVIA, NC 28422
910-253-2015
steve.stone@brunswickcountync.gov

Tunstall Consulting Engineers PLLC
2602 IRON GATE DR., SUITE 102
WILMINGTON, NC 28412
PHONE (910) 343-9653
LICENSE# P-3152

25001

DES. JST
CKD. TJC
DRWN. MWA

DATE 04-01-26

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 19851 JOHN S. TUNSTALL II

C2

G:\projects\2025\25001 BC HHS-EOC Bldg\25001 Plans\dwg\25001 MASTER.dwg (C2-BC) Plotted on: Apr 02, 2026 - 12:02pm by Thomas

ROCK PIPE INLET PROTECTION

BUILDING B

140 EXISTING PARKING STALLS

ROCK PIPE INLET PROTECTION SEE DETAIL

CONSTRUCTION ENTRANCE SEE DETAIL

20'Wx69'Lx18"D

INSTALL TEMPORARY INLET PROTECTION ON EXISTING INLET

EXISTING ROADSIDE SWALE

INSTALL TEMPORARY PIPE 18" PIPE @ 1.00% MINIMUM 1' COVER (MIN.)

15'Wx15'Lx12" D CL. B RIP-RAP ENERGY DISSIPATER

GOVERNMENT CENTER DR NE

INVERT IN=30.0'

INVERT OUT=27'

CONSTRUCTION ENTRANCE SEE DETAIL

BAFFLE

DISTURBED DRAINAGE AREA #2
= 248,176 SF / 5.70 AC.
DRAINS TO EXISTING ROADSIDE SWALE AND EXISTING POND #2

DISTURBED DRAINAGE AREA #1
= 25,024 SF / 0.57 AC.
DRAINS TO ROCK PIPE INLET

INSTALL EROSION CONTROL 4" SKIMMER ON EXISTING OUTLET STRUCTURE SEE EC1 SKIMMER DETAIL
CUT IN 36"x6" WEIR @ ELEVATION 29.0'

US HWY 17 BUS OLD OCEAN HIGHWAY 100' R/W

CONSTRUCTION SEQUENCE:

EROSION & SEDIMENTATION CONTROL CONSTRUCTION SEQUENCE (PER NCDEQ EC MANUAL, SEC 4, PART VI):

1. SCHEDULE AND HOLD PRE-CONSTRUCTION MEETING WITH NCDEQ STAFF, IF REQUIRED. THOROUGHLY GO OVER CONSTRUCTION SEQUENCE AND PLAN PRIOR TO MEETING. BECOME FAMILIAR WITH PLAN AND SURROUNDINGS.
2. REFERENCE PLAN SHEET EC1 FOR INITIAL SITE GRADING PHASE. EXISTING STORMWATER POND 2 WILL BE USED AS A TEMPORARY SEDIMENT BASIN FOR INITIAL SITE GRADING FOR DRAINAGE AREA #2. INSTALL EROSION CONTROL DEVICES INCLUDING: CUTTING WEIR INTO EXISTING OUTLET BOX AT ELEV: 29.0', EC1 SKIMMER, EC1 POND BAFFLES, TEMPORARY 18" DRIVE PIPE WITH ENERGY DISSIPATER, CONSTRUCTION ENTRANCES, TEMPORARY SILT FENCE, AND ROCK PIPE INLET PROTECTION AT DRAINAGE AREA #1.
3. ONCE ALL OF THE ITEMS IN STEP #2 (EC-1) ARE IN PLACE AND FUNCTIONAL, PROCEED WITH THE INITIAL GRADING (CLEARING AND GRUBBING) OF THE SITE THAT WILL ALLOW FOR THE SITE INFRASTRUCTURE TO BE INSTALLED ALLOWING THE CONSTRUCTION TO MOVE TO THE NEXT PHASE OF CONSTRUCTION, SHOWN ON THE GRADING, DRAINAGE, & EROSION CONTROL SHEETS (C3.1 & C3.2).
4. PRIOR TO MOVING TO THE NEXT PHASE, ENSURE THAT CONSTRUCTION ENTRANCES AND OTHER EC MEASURES ARE MAINTAINED AND FUNCTIONAL. BEGIN THE NEXT PHASE BY CONSTRUCTING THE NEW SW POND #2/SEDIMENT BASIN, INCLUDING THE EMERGENCY SPILLWAY, OUTLET STRUCTURE, NEW OUTLET BARREL, AND NEW SKIMMER.
5. WHEN ALL ITEMS IN STEP #4 ARE INSTALLED AND ACTIVE, BEGIN WITH INSTALLATION OF INFRASTRUCTURE (STORM DRAINAGE SEWER AND WATER).
6. BEGIN FINAL GRADING AS SOON AS POSSIBLE TO MINIMIZE THE EROSION FROM THE SITE. DISTURBED AREAS ARE TO BE STABILIZED AS SOON AS POSSIBLE.
7. ONCE ALL FINAL GRADING IS COMPLETE AND THE SITE IS STABLE, REQUEST AN INSPECTION FROM NCDEQ STAFF. REMOVE TEMPORARY MEASURES, ONLY AFTER INSPECTION AND NCDEQ STAFF INSTRUCTS THAT TEMPORARY MEASURES MAY BE REMOVED.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF ALL TEMPORARY MEASURES FOR THE DURATION OF THE PROJECT.

FOR PERMIT ONLY

SCALE: 1"=30'

0 15 30 60 90

EROSION CONTROL PHASE 1
BRUNSWICK COUNTY HEALTH & HUMAN SERVICES
67 GOVERNMENT CENTER DR NE
BOLIVIA, NC 28422

OWNER/DEVELOPER
STEVE STONE, COUNTY MANAGER
BRUNSWICK COUNTY
P.O. BOX 249
BOLIVIA, NC 28422
910-253-2015
steve.stone@brunswickcountync.gov

Tunstall Consulting Engineers PLLC
2602 IRON GATE DR., SUITE 102
WILMINGTON, NC 28412
PHONE (910) 343-9653
LICENSE# P-3152

25001

DES. JST
CKD. TJC
DRWN. MWA

DATE 04-01-26

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 19851 JOHN S. TUNSTALL II

EC1

G:\projects\2025\25001 BC HHS-FOC Bldg\25001 Plans\dwg\25001_MASTER.dwg (EC1) Plotted on: Apr 02, 2026 - 12:02pm by Thomas

CONSTRUCTION SEQUENCE:

EROSION & SEDIMENTATION CONTROL CONSTRUCTION SEQUENCE (PER NCDEQ EC MANUAL, SEC 4, PART VI):

1. SCHEDULE AND HOLD PRE-CONSTRUCTION MEETING WITH NCDEQ STAFF, IF REQUIRED. THOROUGHLY GO OVER CONSTRUCTION SEQUENCE AND PLAN PRIOR TO MEETING. BECOME FAMILIAR WITH PLAN AND SURROUNDINGS.
2. REFERENCE PLAN SHEET EC1 FOR INITIAL SITE GRADING PHASE. EXISTING STORMWATER POND 2 WILL BE USED AS A TEMPORARY SEDIMENT BASIN FOR INITIAL SITE GRADING FOR DRAINAGE AREA #2. INSTALL EROSION CONTROL DEVICES INCLUDING: CUTTING WEIR INTO EXISTING OUTLET BOX AT ELEV: 29.0', EC1 SKIMMER, EC1 POND BAFFLES, TEMPORARY 18" DRIVE PIPE WITH ENERGY DISSIPATER, CONSTRUCTION ENTRANCES, TEMPORARY SILT FENCE, AND ROCK PIPE INLET PROTECTION AT DRAINAGE AREA #1.
3. ONCE ALL OF THE ITEMS IN STEP #2 (EC-1) ARE IN PLACE AND FUNCTIONAL, PROCEED WITH THE INITIAL GRADING (CLEARING AND GRUBBING) OF THE SITE THAT WILL ALLOW FOR THE SITE INFRASTRUCTURE TO BE INSTALLED ALLOWING THE CONSTRUCTION TO MOVE TO THE NEXT PHASE OF CONSTRUCTION, SHOWN ON THE GRADING, DRAINAGE, & EROSION CONTROL SHEETS (C3.1 & C3.2).
4. PRIOR TO MOVING TO THE NEXT PHASE, ENSURE THAT CONSTRUCTION ENTRANCES AND OTHER EC MEASURES ARE MAINTAINED AND FUNCTIONAL. BEGIN THE NEXT PHASE BY CONSTRUCTING THE NEW SW POND #2/SEDIMENT BASIN, INCLUDING THE EMERGENCY SPILLWAY, OUTLET STRUCTURE, NEW OUTLET BARREL, AND NEW SKIMMER.
5. WHEN ALL ITEMS IN STEP #4 ARE INSTALLED AND ACTIVE, BEGIN WITH INSTALLATION OF INFRASTRUCTURE (STORM DRAINAGE SEWER AND WATER).
6. BEGIN FINAL GRADING AS SOON AS POSSIBLE TO MINIMIZE THE EROSION FROM THE SITE. DISTURBED AREAS ARE TO BE STABILIZED AS SOON AS POSSIBLE.
7. ONCE ALL FINAL GRADING IS COMPLETE AND THE SITE IS STABLE, REQUEST AN INSPECTION FROM NCDEQ STAFF. REMOVE TEMPORARY MEASURES, ONLY AFTER INSPECTION AND NCDEQ STAFF INSTRUCTS THAT TEMPORARY MEASURES MAY BE REMOVED.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF ALL TEMPORARY MEASURES FOR THE DURATION OF THE PROJECT.

BUILDING C (EMS)

BUILDING B

SEE SHEET C3.2

MATCHLINE

140 EXISTING PARKING STALLS

PROPOSED HEALTH & HUMAN SERVICES EOC BUILDING FFE=41.0'

PROPOSED ROUNDABOUT SEE DETAIL

REMOVE EXISTING CULVERT

EXISTING CULVERT TO REMAIN

TIE BACK INTO EXISTING ROAD (=38.10±)

TIE BACK INTO EXISTING (=38.00±)

TIE BACK INTO EXISTING (=37.80±)

TIE BACK INTO EXISTING GRADE

FILL EXISTING 18" SD WITH FLOWABLE GROUT

FES-1C INV (SE-Out): 34.00' 18" FES 12'x8'x12" CL 'B' RIP-RAP

FES-10B INV (SE-Out): 35.25' 15" FES

FES-11B INV (SW-Out) 35.00'±

FES 1 INV (E-Out): 35.30' 6'x10'x12" CL 'B' RIP-RAP

SWALE #1 L=127' So=0.55%

DI-2C TOP=GRADE(37.25's) INV (NW-Out): 34.18' INV (SW-In): 34.18'

CI-9B TOP=GRADE(36.50's) INV (NE-Out): 34.75'

CI-16B TOP=GRADE(37.10's) INV (SE-Out): 33.60'

SDMH-8B TOP=GRADE(37.22's) INV (NW-In): 34.50' INV (SW-In): 34.50' INV (NE-In): 34.50' INV (S-Out): 34.50'

DI-3C TOP=GRADE(38.48's) INV (NE-Out): 34.71' INV (SE-In): 34.71'

TEMPORARY CONSTRUCTION ENTRANCE

6' CURB TAPER

STORM OVER SEWER

REMOVE & REPLACE EXISTING ASPHALT THAT IS REQUIRED TO INSTALL VALLEY CURB & PIPE

VALLEY GUTTER WITH ADS SLOT DRAIN

DI-15B TOP=GRADE(36.60's) INV (NE-Out): 34.20' INV (NW-In): 33.30'

DI-7B TOP=GRADE(36.60's) INV (SE-Out): 34.00' INV (N-In): 34.00' INV (SW-In): 34.00'

CI-14B TOP=GRADE(37.00's) INV (SE-Out): 32.20'

CI-13B TOP=GRADE(37.50's) INV (SE-Out): 32.00' INV (NW-In): 32.00'

DI-4C TOP=GRADE(38.39's) INV (NW-Out): 35.25' INV (SE-In): 35.25'

DI-5C TOP=GRADE(38.40's) INV (NW-Out): 35.34' INV (SE-In): 35.34'

DI-6C TOP=GRADE(38.52's) INV (NW-Out): 35.46' INV (SE-In): 35.46'

DI-6B TOP=GRADE(37.57's) INV (SE-Out): 30.40' INV (NW-In): 30.40' INV (SW-In): 30.40'

DI-7C TOP=GRADE(38.62's) INV (NW-Out): 35.56' INV (SE-In): 35.56'

DI-12B TOP=GRADE(37.50's) INV (NE-Out): 31.00' INV (NW-In): 31.00'

CI-17B TOP=GRADE(37.95's) INV (E-Out): 31.00'

DI-9C TOP=GRADE(39.34's) INV (NW-Out): 36.62'

CI-5B TOP=GRADE(35.50's) INV (NE-Out): 27.50' INV (N-In): 27.50' INV (SW-In): 27.50'

CI-4B TOP=GRADE(38.50's) INV (NE-Out): 29.00' INV (SW-In): 29.00'

CI-3B TOP=GRADE(38.40's) INV (NE-Out): 28.10' INV (SW-In): 28.10'

CI-5A TOP=GRADE(35.46's) INV (E-Out): 28.10'

CI-4A TOP=GRADE(36.50's) INV (NE-Out): 27.80' INV (W-In): 27.80'

CI-3A TOP=GRADE(35.09's) INV (N-In): 27.31' INV (NE-Out): 27.21' INV (SW-In): 27.31'

CI-2B TOP=GRADE(35.50's) INV (SE-Out): 30.81'

DI-2B TOP=GRADE(35.00's) INV (N-Out): 27.50' INV (W-In): 27.50' INV (NW-In): 30.04'

CI-1B TOP=GRADE(35.00's) INV (S-Out): 30.00'

SDMH-2A TOP=GRADE(34.54's) INV (SW-In): 26.58' INV (SE-Out): 26.58'

CI-1A TOP=GRADE(33.10's) INV (S-Out): 30.00'

FES-1A INV (NW-Out): 24.00' ED: 15'x12'x18" CLASS 'B'

FES-1B INV (S-Out): 27.00' ED: 21'x16'x18" CLASS 'B'

DROP INLET (4" HD FRAME & GRATE) T=34.75'± II=31.91' 24" IO EX.=31.91'

APPROXIMATE LOCATION OF EXISTING TREE FIELD VERIFY

EXISTING SIDEWALK FIELD VERIFY LOCATION

NEW 95' SIDE (SEE NOTE 8

REMOVE EXISTING ASPHALT FROM CENTERLINE TO SOUTH EDGE OF PAVEMENT. REGRADE ROAD TO GRADES SHOWN.

EXISTING INLET GRATE=34.98' INV IN(NW-24")=30.06' INV OUT(SE-24")=29.89' NEW INV IN(W-15")=32.55'

RAISED CROSS WALK (SEE DETAIL)

CANOPY

HANDICAP RAMP

ASPHALT FLUSH WITH TURN DOWN WALK

MAIN ENTRY

DROP OFF

8"x10" INCREASER

10"x12" INCREASER

10" C900 DR18 PVC

8" C900 DR18 PVC @ 1.00%

8" C900 DR18 PVC @ 1.00% (MIN.)

10" C900 DR18 PVC @ 1.00% (MIN.)

15" RCP 30' @ 1.01%

15" RCP 63' @ 1.00%

36" HP 204' @ 0.44%

36" HP 116' @ 0.52%

30" HP 192' @ 0.36%

15" HP 92' @ 1.63%

15" HP 62' @ 0.97%

15" HP 90' @ 0.55%

15" HP 37' @ 0.70%

15" HP 26' @ 2.92%

15" HP 61' @ 0.33%

15" HP 20' @ 1.40%

18" HP 47' @ 1.06%

18" HP 18' @ 0.50%

18" HP 23' @ 0.53%

18" HP 19' @ 0.52%

24" RCP CLASS IV 44' @ 0.41%

2-24" RCP W/FES INV=34.40

30" RCP W/FES INV=33.85

24" RCP INV=35.60

24" CMP W/FES INV=34.40

24" CMP INV=34.81

24" HDPE INV=35.68

24" HDPE INV=35.68

24" HDPE INV=35.68

INLET GRATE=34.98' INV IN(NW-24")=30.06' INV OUT(SE-24")=29.89' NEW INV IN(W-15")=32.55'

INLET GRATE=37.00' INV IN(NW-24")=32.00' INV IN(NE-24")=32.00' OUT(SE-24")=31.85'

INLET GRATE=37.00' INV IN(NW-24")=32.00' INV IN(NE-24")=32.00' OUT(SE-24")=31.85'

INLET GRATE=36.50' INV IN(NW-24")=31.50' INV IN(NE-24")=31.50' OUT(SE-24")=31.35'

INLET GRATE=36.50' INV IN(NW-24")=31.50' INV IN(NE-24")=31.50' OUT(SE-24")=31.35'

INLET GRATE=37.00' INV IN(NW-24")=32.00' INV IN(NE-24")=32.00' OUT(SE-24")=31.85

CONSTRUCTION SEQUENCE: EROSION & SEDIMENTATION CONTROL CONSTRUCTION SEQUENCE (PER NCDEQ EC MANUAL, SEC 4, PART VI):

1. SCHEDULE AND HOLD PRE-CONSTRUCTION MEETING WITH NCDEQ STAFF, IF REQUIRED. THOROUGHLY GO OVER CONSTRUCTION SEQUENCE AND PLAN PRIOR TO MEETING. BECOME FAMILIAR WITH PLAN AND SURROUNDINGS.
2. REFERENCE PLAN SHEET EC1 FOR INITIAL SITE GRADING PHASE. EXISTING STORMWATER POND 2 WILL BE USED AS A TEMPORARY SEDIMENT BASIN FOR INITIAL SITE GRADING FOR DRAINAGE AREA #2. INSTALL EROSION CONTROL DEVICES INCLUDING: CUTTING WEIR INTO EXISTING OUTLET BOX AT ELEV: 29.0', EC1 SKIMMER, EC1 POND BAFFLES, TEMPORARY 18" DRIVE PIPE WITH ENERGY DISSIPATER, CONSTRUCTION ENTRANCES, TEMPORARY SILT FENCE, AND ROCK PIPE INLET PROTECTION AT DRAINAGE AREA #1.
3. ONCE ALL OF THE ITEMS IN STEP #2 (EC-1) ARE IN PLACE AND FUNCTIONAL, PROCEED WITH THE INITIAL GRADING (CLEARING AND GRUBBING) OF THE SITE THAT WILL ALLOW FOR THE SITE INFRASTRUCTURE TO BE INSTALLED ALLOWING THE CONSTRUCTION TO MOVE TO THE NEXT PHASE OF CONSTRUCTION, SHOWN ON THE GRADING, DRAINAGE, & EROSION CONTROL SHEETS (C3.1 & C3.2).
4. PRIOR TO MOVING TO THE NEXT PHASE, ENSURE THAT CONSTRUCTION ENTRANCES AND OTHER EC MEASURES ARE MAINTAINED AND FUNCTIONAL. BEGIN THE NEXT PHASE BY CONSTRUCTING THE NEW SW POND #2/SEDIMENT BASIN, INCLUDING THE EMERGENCY SPILLWAY, OUTLET STRUCTURE, NEW OUTLET BARREL, AND NEW SKIMMER.
5. WHEN ALL ITEMS IN STEP #4 ARE INSTALLED AND ACTIVE, BEGIN WITH INSTALLATION OF INFRASTRUCTURE (STORM DRAINAGE SEWER AND WATER).
6. BEGIN FINAL GRADING AS SOON AS POSSIBLE TO MINIMIZE THE EROSION FROM THE SITE. DISTURBED AREAS ARE TO BE STABILIZED AS SOON AS POSSIBLE.
7. ONCE ALL FINAL GRADING IS COMPLETE AND THE SITE IS STABLE, REQUEST AN INSPECTION FROM NCDEQ STAFF. REMOVE TEMPORARY MEASURES, ONLY AFTER INSPECTION AND NCDEQ STAFF INSTRUCTS THAT TEMPORARY MEASURES MAY BE REMOVED.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF ALL TEMPORARY MEASURES FOR THE DURATION OF THE PROJECT.
9. MUP & SIDEWALK MAXIMUM LONGITUDINAL SLOPE IS 5% AND THE MAXIMUM CROSS SLOPE IS 2%.

SCALE: 1"=30'

0 15 30 60 90

- PROPERTY LINE
- LDL — DISTURBED AREA LIMITS
- PROPOSED CONTOUR
- X X TSF — TEMPORARY SILT FENCE
- SD — PROPOSED STORMDRAIN PIPE
- W — PROPOSED WATERLINE
- SS — PROPOSED SANITARY SEWER
- PROPOSED DITCH SWALE
- 41.85 — PROPOSED SPOT ELEVATION FLOW LINE
- 41.85 — PROPOSED SPOT ELEVATION TOP OF CURB
- 41.85 — PROPOSED SPOT ELEVATION FINISH GRADE
- FLARED END SECTION WITH RIP-RAP ENERGY DISSIPATOR
- DROP INLET WITH INLET PROTECTION (DI)
- CURB INLET WITH INLET PROTECTION (CI)
- JUNCTION BOX (JB)
- PROPOSED FIRE HYDRANT
- WATER TEE
- WATER VALVE
- WATER REDUCER
- 49 — EXISTING CONTOUR
- 13"PINE — EXISTING TREE TO BE SAVED
- 13"PINE — EXISTING TREE TO BE REMOVED
- TP TP TP TP — TREE PROTECTION FENCING
- CONSTRUCTION ENTRANCE

SEE SHEET C3.1

MATCHLINE

BUILDING A

EXISTING SIDEWALK FIELD VERIFY LOCATION

NEW 95' SIDEWALK (SEE NOTE 8)

SURVEY NOT PROVIDED FOR EXISTING TREE AND PICNIC TABLE FIELD VERIFY AND MEANDER SIDEWALK AROUND TREE & TABLE

DROP INLET (4" HD FRAME & GRATE) T=34.75' 24" II=31.91' 24" IO EX.=31.91'

APPROXIMATE LOCATION OF EXISTING TREE FIELD VERIFY

APPROXIMATE LOCATION OF EXISTING TREES FIELD VERIFY

24" FES INV=34.00'

(35') 24" SD

RAISED HANDICAP CROSS WALK (SEE DETAIL)

GOVERNMENT CENTER DR NE

CI-3.5A TOP=GRADE(33.10'±) INV (S-Out): 30.00'

SDMH-2A TOP=GRADE(34.54'±) INV (SW-In): 28.58' INV (SE-Out): 28.58'

6' CURB TAPER

EXTEND 24" HDPE SD TO NEW POND POUR COLLAR SEE DETAIL

FES-1A INV (NW-Out): 24.00' ED: 10'x12'x18" CLASS 'B'

DUMPSTER PAD WITH ENCLOSURE SEE LANDSCAPE & STRUCTURAL PLANS FOR DETAIL

SIDE SLOPES FROM 19' TO 26' ARE (2.5:1)

EROSION CONTROL SEDIMENT BASIN BAFFLES (TYP)

PROPOSED STORM WATER POND #2

GENERATOR WITH ENCLOSURE SEE LANDSCAPE & STRUCTURAL PLANS FOR ENCLOSURE AND PAD DETAILS TRANSFORMER PAD SEE LANDSCAPE & STRUCTURAL PLANS FOR DETAILS

CLASS 'B' RIP-RAP ACROSS FOREBAY BERM

NEW OUTLET STRUCTURE WITH SKIMMER (SEE DETAIL)

NEW POND 2 SKIMMER SEE DETAIL

36" RCP 510' @ 0.28%

CI-2.5B TOP=GRADE(35.50'±) INV (SE-Out): 30.81'

FES-1B INV (S-Out): 27.00' ED: 21'x16'x18" CLASS 'B'

INV=26.75'

20' STREETYARD

DI-2B TOP=GRADE(35.00'±) INV (N-Out): 27.50' INV (W-In): 27.50' INV (NW-In): 30.04'

SILT-FENCE DOUBLES AS TREE PROTECTION

TSF AT P/L

50' EMERGENCY SPILLWAY @ 32.75'

PROPOSED 10' MULTI-USE PATH

COURT HOUSE DR NE

APPROXIMATE OPEN CUT ROAD FOR STORM DRAIN INSTALLATION. REMOVE & REPLACE EXISTING PAVEMENT AS REQUIRED. COORDINATE ROAD REPAIR WITH BRUNSWICK COUNTY & REPAIR ROAD PER COUNTY DETAIL.

EXISTING STORMWATER POND #1

EXISTING 36" RCP

36" RCP 2' (MIN.) APART

36" RCP 510' @ 0.28%

36" NEW FES INV (SW-Out): 25.30' RCP

RIP-RAP ED 25'Wx25'Lx18"D CLASS 'B' RIP-RAP (EXTEND RIP-RAP DOWN TO TOE OF SLOPE)

GOVERNMENT CENTER DR NE

GOVERNMENT CENTER DR NE

FOR PERMIT ONLY

SEE SHEET C3.1

GRADING, DRAINAGE, & EROSION CONTROL
BRUNSWICK COUNTY HEALTH & HUMAN SERVICES
67 GOVERNMENT CENTER DR NE
BOLIVIA, NC 28422

OWNER/DEVELOPER
STEVE STONE, COUNTY MANAGER
BRUNSWICK COUNTY
P.O. BOX 249
BOLIVIA, NC 28422
910-253-2415
steve.stone@brunswickcountync.gov

Tunstall Consulting Engineers PLLC
2602 IRON GATE DR., SUITE 102
WILMINGTON, NC 28412
PHONE (910) 345-9653
LICENSE# P-3152

25001

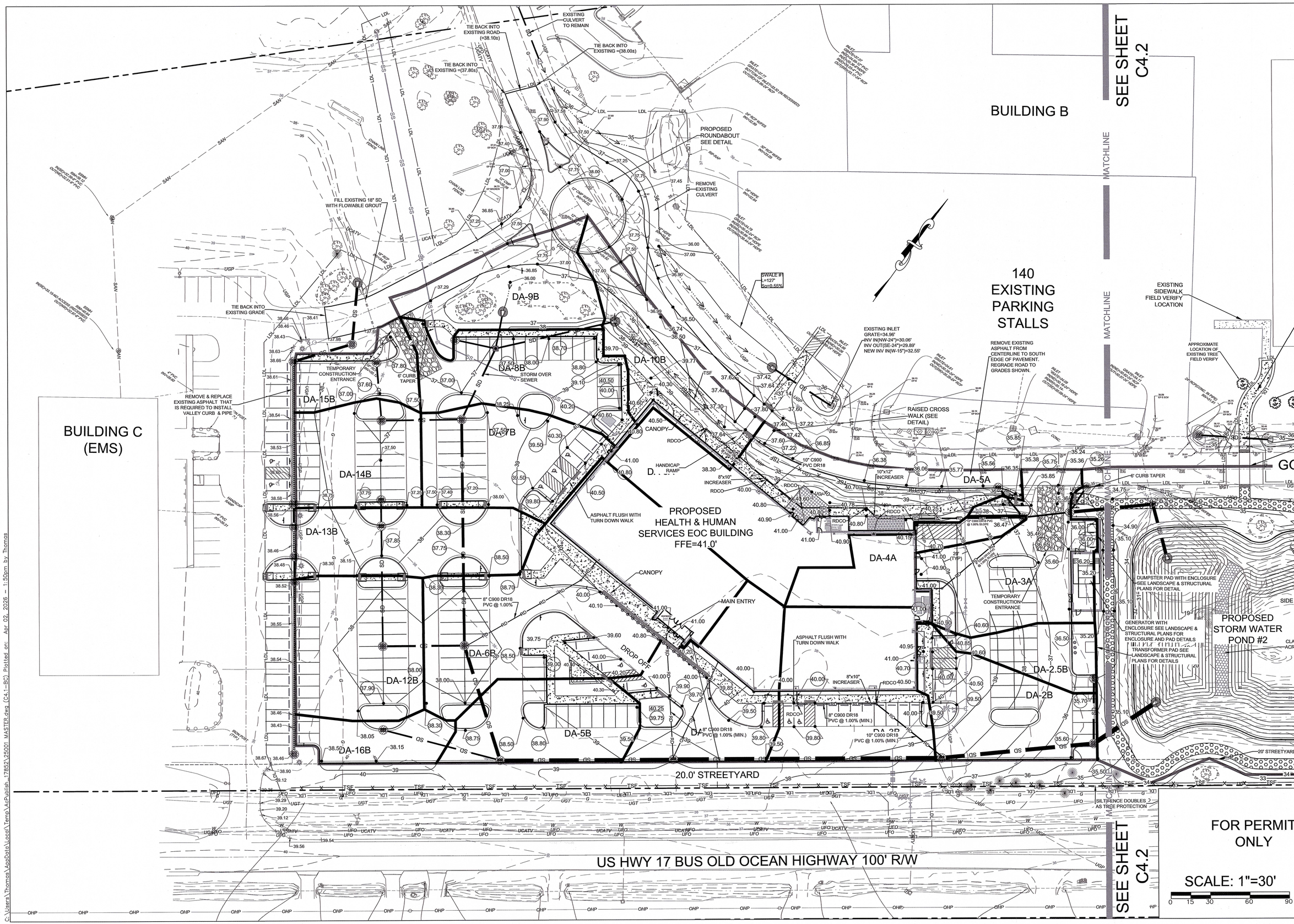
DES. JST
CKD. TJC
DRWN. MWA

DATE 04-01-26

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 19851 JOHN S. TUNSTALL

C3.2

C:\Users\Thomas\AppData\Local\Temp\AcPublish_26964\25001_MASTER.dwg (C3.2-BC) Plotted on: Apr 01, 2026 - 10:49am by Thomas



FOR PERMIT ONLY

DRAINAGE AREA PLAN
BRUNSWICK COUNTY HEALTH & HUMAN SERVICES
67 GOVERNMENT CENTER DR NE
BOLIVIA, NC 28422

OWNER/DEVELOPER
STEVE STONE, COUNTY MANAGER
BRUNSWICK COUNTY
P.O. BOX 249
BOLIVIA, NC 28422
910-253-2015
steve.stone@brunswickcountync.gov

Tunstall Consulting Engineers PLLC
2602 IRON GATE DR., SUITE 102
WILMINGTON, NC 28412
PHONE (910) 343-9653
LICENSE# P-3152

25001

DES. JST
CKD. TJC
DRWN. MWA
DATE 04-01-26

NORTH CAROLINA PROFESSIONAL SEAL 19851 ENGINEER JOHN S. TUNSTALL

C4.1

C:\Users\Thomas\AppData\Local\Temp\AcPublish_17852\25001 MASTER.dwg (C4.1-BC) Plotted on: Apr 02, 2026 - 1:50pm by Thomas

SEE SHEET C4.1

MATCHLINE

BUILDING A

EXISTING SIDEWALK FIELD VERIFY LOCATION

SURVEY NOT PROVIDED FOR EXISTING TREE AND PICNIC TABLE FIELD VERIFY AND MEANDER SIDEWALK AROUND TREE & TABLE

APPROXIMATE LOCATION OF EXISTING TREE FIELD VERIFY

APPROXIMATE LOCATION OF EXISTING TREES FIELD VERIFY

RAISED HANDICAP CROSS WALK (SEE DETAIL)

GOVERNMENT CENTER DR NE

6' CURB TAPER

DA-POND

COURT HOUSE DR NE

APPROXIMATE OPEN CUT ROAD FOR STORM DRAIN INSTALLATION. REMOVE & REPLACE EXISTING PAVEMENT AS REQUIRED. COORDINATE ROAD REPAIR WITH BRUNSWICK COUNTY & REPAIR ROAD PER COUNTY DETAIL.

DUMPSTER PAD WITH ENCLOSURE SEE LANDSCAPE & STRUCTURAL PLANS FOR DETAIL

GENERATOR WITH ENCLOSURE SEE LANDSCAPE & STRUCTURAL PLANS FOR ENCLOSURE AND PAD DETAILS

TRANSFORMER PAD SEE LANDSCAPE & STRUCTURAL PLANS FOR DETAILS

PROPOSED STORM WATER POND #2

SIDE SLOPES FROM 19' TO 26' ARE (2.5:1)

EROSION CONTROL SEDIMENT BASIN BAFFLES (TYP)

CLASS 'B' RIP-RAP ACROSS FOREBAY BERM

NEW OUTLET STRUCTURE WITH SKIMMER (SEE DETAIL)

NEW POND 2 SKIMMER SEE DETAIL

INV=26.75'

EXISTING STORMWATER POND #1

EXISTING 36" RCP

36" RCP 2' (MIN.) APART

20' STREETYARD

SILT FENCE DOUBLES AS TREE PROTECTION

TSF AT P/L

250' EMERGENCY SPILLWAY @ 32.75'

PROPOSED 10' MULTI-USE PATH

RIP-RAP ED 25'Wx25'Lx18"D CLASS 'B' RIP-RAP (EXTEND RIP-RAP DOWN TO TOE OF SLOPE)

GOVERNMENT CENTER DR NE

SEE SHEET C4.1

SCALE: 1"=30'

0 15 30 60 90

FOR PERMIT ONLY

DRAINAGE AREA PLAN
BRUNSWICK COUNTY HEALTH & HUMAN SERVICES
67 GOVERNMENT CENTER DR NE
BOLIVIA, NC 28422

OWNER/DEVELOPER
STEVE STONE, COUNTY MANAGER
BRUNSWICK COUNTY
P.O. BOX 249
BOLIVIA, NC 28422
910-255-2015
steve.stone@brunswickcountync.gov

Tunstall Consulting Engineers PLLC
2602 IRON GATE DR., SUITE 102
WILMINGTON, NC 28412
PHONE (910) 343-9633

LICENSE# P-3152

25001

DES. JST
CKD. TJC
DRWN. MWA

DATE 04–01–26

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 19851 JOHN S. TUNSTALL

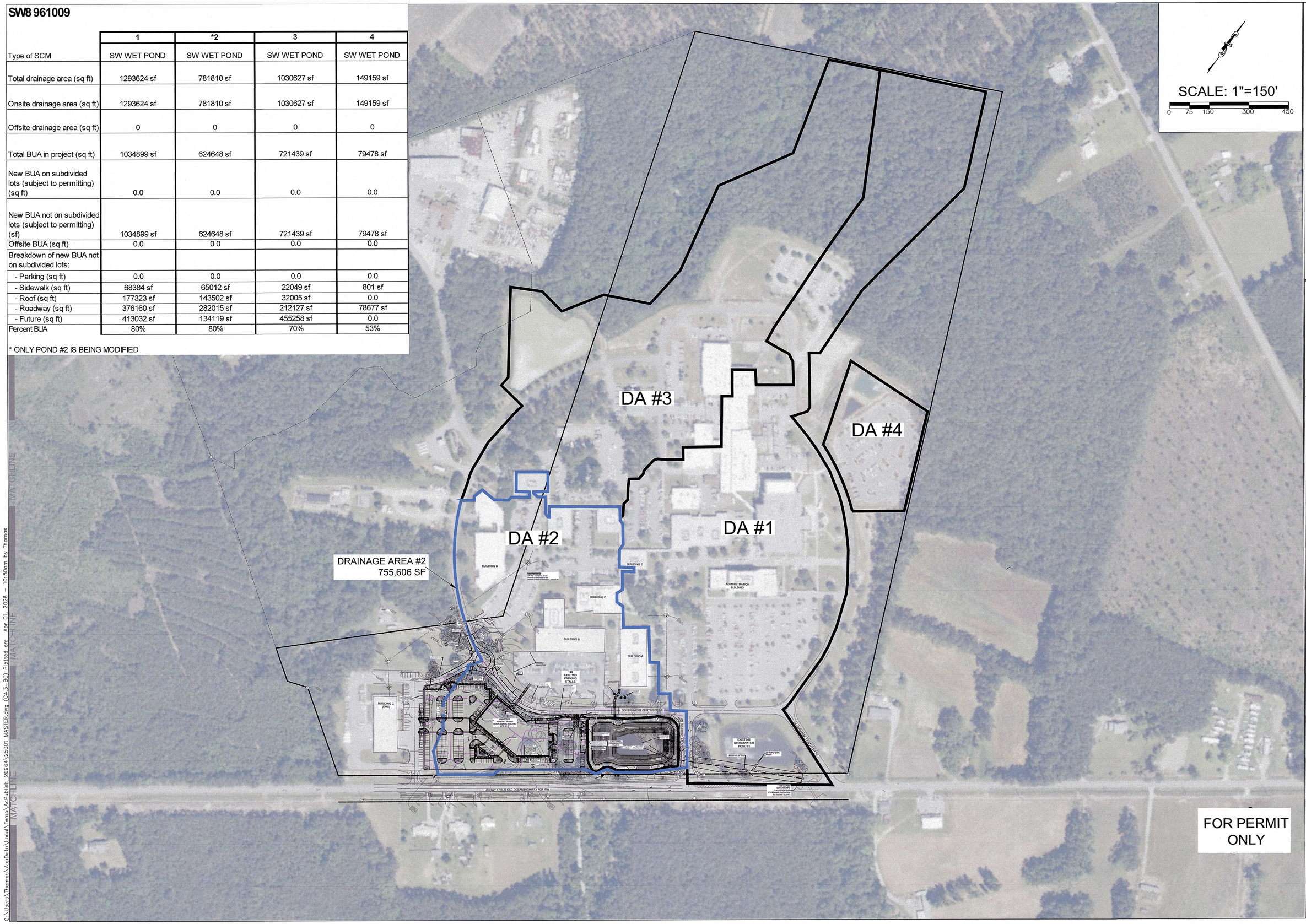
C4.2

C:\Users\Thomas\AppData\Local\Temp\AcPublish_26964\25001_MASTER.dwg (C4.2-BC) Plotted on: Apr 01, 2026 – 10:49am by Thomas

SW8 961009

	1	*2	3	4
Type of SCM	SW WET POND	SW WET POND	SW WET POND	SW WET POND
Total drainage area (sq ft)	1293624 sf	781810 sf	1030627 sf	149159 sf
Onsite drainage area (sq ft)	1293624 sf	781810 sf	1030627 sf	149159 sf
Offsite drainage area (sq ft)	0	0	0	0
Total BUA in project (sq ft)	1034899 sf	624648 sf	721439 sf	79478 sf
New BUA on subdivided lots (subject to permitting) (sq ft)	0.0	0.0	0.0	0.0
New BUA not on subdivided lots (subject to permitting) (sf)	1034899 sf	624648 sf	721439 sf	79478 sf
Offsite BUA (sq ft)	0.0	0.0	0.0	0.0
Breakdown of new BUA not on subdivided lots:				
- Parking (sq ft)	0.0	0.0	0.0	0.0
- Sidewalk (sq ft)	68384 sf	65012 sf	22049 sf	801 sf
- Roof (sq ft)	177323 sf	143502 sf	32005 sf	0.0
- Roadway (sq ft)	376160 sf	282015 sf	212127 sf	78677 sf
- Future (sq ft)	413032 sf	134119 sf	455258 sf	0.0
Percent BUA	80%	80%	70%	53%

* ONLY POND #2 IS BEING MODIFIED



OVERALL DRAINAGE AREA PLAN
BRUNSWICK COUNTY HEALTH & HUMAN SERVICES
67 GOVERNMENT CENTER DR NE
BOLIVIA, NC 28422

OWNER/DEVELOPER
STEVE STONE, COUNTY MANAGER
BRUNSWICK COUNTY
P.O. BOX 249
BOLIVIA, NC 28422
910-253-2015
steve.stone@brunswickcountync.gov

Tunstall Consulting Engineers PLLC
2602 IRON GATE DR., SUITE 102
WILMINGTON, NC 28412
PHONE (910) 343-9653
LICENSE# P-3152

25001

DES. JST
CKD. TJC
DRWN. MWA

DATE 04-01-26

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 19851 JOHN S. TUNSTALL

FOR PERMIT ONLY

C4.3

C:\Users\Thomas\VenData\Local\Temp\AcePublish_26964\25001 MASTER.dwg (C4.3-BG) Plotted on: Apr 01, 2026 - 10:50am by Thomas

NOTES:

1. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES, INCLUDING HORIZONTAL LOCATIONS AND VERTICAL LOCATIONS AT ALL PROPOSED CROSSINGS.
2. ALL WORK FOR WATERLINE CONNECTION TO 30" MAIN IN BUS-17 R/W SHALL BE DONE FROM PROJECT SIDE.
3. ALL UTILITY WORK SHALL BE COORDINATED WITH BRUNSWICK COUNTY AND NCDOT
4. TRAFFIC CONTROL PLAN TO BE PROVIDED BY CONTRACTOR PRIOR TO PRE-CONSTRUCTION MEETING WITH NCDOT.
5. INSTALLATION OF WATERLINE CONNECTION MAY REQUIRE ACTIVE SHORING PLAN DUE TO DEPTH AND PROXIMITY TO EXISTING EOP. ACTIVE SHORING PLAN TO BE PROVIDED BY CONTRACTOR PRIOR TO PRE-CONSTRUCTION MEETING WITH NCDOT.
6. ALL RPZ'S SHALL BE USC APPROVED IN ABOVE GROUND INSULATED ENCLOSURES. (WATTS MODEL SERIES 909 OR APPROVED EQUAL).
7. BACKFLOW PREVENTER DEVICES MUST MEET THE AMERICAN SOCIETY OF SANITARY ENGINEERING STANDARDS OR BE ON THE USC APPROVED LIST AND ALSO MEET AWWA STANDARDS. BFP'S MUST BE INSTALLED PER RULE 0.0406(b)(4)(F).

SEE SHEET C5.2

EXISTING 8" SANITARY SEWER

EX. SS TOP=36.57 INV (SE-In): 31.77 CORE AND BOOT AS REQUIRED

SSMH-1 TOP=GRADE INV (NW-Out): 32.73' INV (E-In): 32.77'

SSMH-2 TOP=GRADE INV (W-Out): 33.30' INV (E-In): 33.34'

PROPOSED ROUNDABOUT SEE DETAIL

1000 GAL. GREASE TRAP. DESIGNED BY OTHERS. SEE PLUMBING PLAN

8" C900 DR18 PVC 126' @ 0.40% (MIN.)

8" PVC 25' @ 0.83% (MIN.)

CANOPY

SSCO I: 33.55'

COORDINATE WITH OWNER TO RELOCATE COMMUNICATION STRUCTURE

BUILDING C (EMS)

PROPOSED HEALTH & HUMAN SERVICES EOC BUILDING FFE=41.0'

CANOPY

MAIN ENTRY

140 EXISTING PARKING STALLS

EXISTING SIDEWALK FIELD VERIFY LOCATION

RAISED CROSS WALK (SEE DETAIL)

PROPOSED FIRE HYDRANT

6" GV

8" C900 DR18 PVC WATER MAIN

45° BENDS

6" RPZ IN AN ABOVE GROUND ENCLOSURE WITH HEAT SOURCE NATURAL GAS METER (SEE PLUMBING PLANS FOR DETAILS)

8" GV

10"x8" REDUCER

10"x6" TEE

6" PIV

6" FW

45° BENDS

5" STORZ FDC WALL MOUNT & FIRE PUMP TEST HEADER LOCATED DIRECTLY UNDER FDC

PROPOSED FIRE HYDRANT

3" DW

10" C900 DR18 PVC

PROPOSED FIRE HYDRANT (OUTSIDE OF ROW)

PROPOSED STORM WATER POND #2

20.0' STREETYARD

EX. FIRE HYDRANT

2" RPZ IN AN ABOVE GROUND ENCLOSURE WITH HEAT SOURCE

2" WATER METER

45° BEND

4"x3" REDUCER

10"x4" TEE

4" GV

10" TAPPING SLEEVE & 10" GV

30" x 10" TAPPING SLEEVE & 10" GV

WATER CONNECTION IN 5.5' DEEP CONSTRUCTION PIT

EXISTING 30" WATERLINE (MATERIAL TO BE CONFIRMED PRIOR TO TAP)

US HWY 17 BUS OLD OCEAN HIGHWAY 100' R/W

MATCHLINE

SEE SHEET C5.2

GO

FOR PERMIT ONLY

SCALE: 1"=30'

0 15 30 60 90

SYMBOL	DATE	DESCRIPTION	BY
A	04/01/26	VAN ACCESS CALLOUT, ETC	MWA

© 2025 TUNSTALL CONSULTING ENGINEERS

UTILITY PLAN
BRUNSWICK COUNTY HEALTH & HUMAN SERVICES
67 GOVERNMENT CENTER DR NE
BOLIVIA, NC 28422

OWNER/DEVELOPER
STEVE STONE, COUNTY MANAGER
BRUNSWICK COUNTY
P.O. BOX 249
BOLIVIA, NC 28422
910-253-2015
steve.stone@brunswickcountync.gov

Tunstall Consulting Engineers PLLC
2602 IRON GATE DR., SUITE 102
WILMINGTON, NC 28412
PHONE (910) 343-9653
LICENSE# P-3152

25001

DES. JST
CKD. TUJC
DRWN. MWA

DATE 04-01-26

NORTH CAROLINA PROFESSIONAL SEAL 1985 ENGINEER JOHN S. TUNSTALL

C5.1

C:\Users\Thomas\AppData\Local\Temp\AcPublish_17852\25001 MASTER.dwg (C5.1-BC) Plotted on: Apr 02, 2026 - 1:50pm by Thomas

NOTES:

1. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES, INCLUDING HORIZONTAL LOCATIONS AND VERTICAL LOCATIONS AT ALL PROPOSED CROSSINGS.
2. ALL WORK FOR WATERLINE CONNECTION TO 30" MAIN IN BUS-17 R/W SHALL BE DONE FROM PROJECT SIDE.
3. ALL UTILITY WORK SHALL BE COORDINATED WITH BRUNSWICK COUNTY AND NCDOT
4. TRAFFIC CONTROL PLAN TO BE PROVIDED BY CONTRACTOR PRIOR TO PRE-CONSTRUCTION MEETING WITH NCDOT.
5. INSTALLATION OF WATERLINE CONNECTION MAY REQUIRE ACTIVE SHORING PLAN DUE TO DEPTH AND PROXIMITY TO EXISTING EOP. ACTIVE SHORING PLAN TO BE PROVIDED BY CONTRACTOR PRIOR TO PRE-CONSTRUCTION MEETING WITH NCDOT.
6. ALL RPZ'S SHALL BE USC APPROVED IN ABOVE GROUND INSULATED ENCLOSURES. (WATTS MODEL SERIES 909 OR APPROVED EQUAL).
7. BACKFLOW PREVENTER DEVICES MUST MEET THE AMERICAN SOCIETY OF SANITARY ENGINEERING STANDARDS OR BE ON THE USC APPROVED LIST AND ALSO MEET AWWA STANDARDS. BFP'S MUST BE INSTALLED PER RULE 0.0406(b)(4)(F).

SCALE: 1"=30'

0 15 30 60 90

SEE SHEET C5.1

BUILDING B

MATCHLINE

BUILDING A

140 EXISTING PARKING STALLS

EXISTING SIDEWALK FIELD VERIFY LOCATION

SURVEY NOT PROVIDED FOR EXISTING TREE AND PICNIC TABLE FIELD VERIFY AND MEANDER SIDEWALK AROUND TREE & TABLE

SSMH #1 RIM=21.56±F INV=12.56±F (8"PVC) INV=12.56±F (8"PVC) OUTFALL=8"PVC

SSMH #2 RIM=21.49±F (BURIED) INV=12.49±F (UNKNOWN) INV=12.49±F (UNKNOWN) OUTFALL=8"PVC

INLET GRATE=20.51±F INV=16.51±F OUTFALL=8" HDPE

INLET GRATE=20.51±F INV=16.51±F INV=16.51±F OUTFALL=8" HDPE

24" REPIPING IN PIPE INV=17.1

RAISED HANDICAP CROSS WALK (SEE DETAIL)

GOVERNMENT CENTER DR

CONNECT TO EXISTING 6" WL (PVC) WITH 45° BEND

NEW 6" C900 DR18 WL

PROPOSED FIRE HYDRANT

6" GV

8" C900 DR18 PVC WATER MAIN

8" GV

10"x8" REDUCER

10"x6" TEE REDUCER

6" PIV

6" FW

45° BENDS

45° BENDS

10" C900 DR18 PVC

PROPOSED FIRE HYDRANT (OUTSIDE ROW)

MJ SLEEVE

TIE CONNECTION DEEP CONSTRUCTION PIT

SEE SHEET C5.1

MATCHLINE

COURT HOUSE DR NE

PROPOSED STORM WATER POND #2

NEW OUTLET STRUCTURE WITH SKIMMER (SEE DETAIL)

RIP-RAP

WOOD RETAINING WALL

PROPOSED 10' MULTI-USE PATH

CONNECT TO EXISTING 6" WL (PVC) WITH 45° BEND

PRIOR TO REMOVAL OF EXISTING 6" WATER LINE, THE NEW 6" WATER LINE SHALL BE INSTALLED & TESTED (HYDROSTATIC TEST & BACTERIALOGICAL TEST). WATER SHUT DOWN FOR CONNECTION TO EXISTING 6" WATER LINE SHALL BE MINIMIZED & CONNECTION MUST BE COORDINATED WITH BRUNSWICK COUNTY

APPROXIMATE OPEN CUT ROAD FOR STORM DRAIN INSTALLATION. REMOVE & REPLACE EXISTING PAVEMENT AS REQUIRED. COORDINATE ROAD REPAIR WITH BRUNSWICK COUNTY & REPAIR ROAD PER COUNTY DETAIL.

EXISTING STORMWATER POND #1

GOVERNMENT CENTER DR NE

GOVERNMENT CENTER DR NE

CONC. RISER TOP=21.19 INV=16.82±F RCP

18" RCP INV=16.0

18" CMP INV=16.24

FOR PERMIT ONLY

C:\Users\Thomas\AppData\Local\Temp\AcPublish_26964\25001 MASTER.dwg (C5.2-BC) Plotted on: Apr 01, 2026 – 10:50am by Thomas

UTILITY PLAN
BRUNSWICK COUNTY HEALTH & HUMAN SERVICES
67 GOVERNMENT CENTER DR NE
BOLIVIA, NC 28422

OWNER/DEVELOPER
STEVE STONE, COUNTY MANAGER
BRUNSWICK COUNTY
P.O. BOX 249
BOLIVIA, NC 28422
910-255-2015
steve.stone@brunswickcountync.gov

Tunstall Consulting Engineers PLLC
2602 IRON GATE DR., SUITE 102
WILMINGTON, NC 28412
PHONE (910) 343-9655
LICENSE# P-3152

25001

DES. JST
CKD. TJC
DRWN. MWA

DATE 04–01–26

NORTH CAROLINA PROFESSIONAL SEAL 19851 ENGINEER JOHN S. TUNSTALL II

C5.2

33K SF/L - 132K TOTAL SF 258
PARKING STALLS ON SITE 140
PARKING STALLS ACROSS GOVT. CENTER DR

NOTES:

1. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES, INCLUDING HORIZONTAL LOCATIONS AND VERTICAL LOCATIONS AT ALL PROPOSED CROSSINGS.
2. ALL WORK FOR WATERLINE CONNECTION TO 30" MAIN IN BUS-17 R/W SHALL BE DONE FROM PROJECT SIDE.
3. ALL UTILITY WORK SHALL BE COORDINATED WITH BRUNSWICK COUNTY AND NCDOT
4. TRAFFIC CONTROL PLAN TO BE PROVIDED BY CONTRACTOR PRIOR TO PRE-CONSTRUCTION MEETING WITH NCDOT.
5. INSTALLATION OF WATERLINE CONNECTION MAY REQUIRE ACTIVE SHORING PLAN DUE TO DEPTH AND PROXIMITY TO EXISTING EOP. ACTIVE SHORING PLAN TO BE PROVIDED BY CONTRACTOR PRIOR TO PRE-CONSTRUCTION MEETING WITH NCDOT.

ADMINISTRATION BUILDING

BUILDING D

BUILDING B

BUILDING A

BUILDING C (EMS)

140 EXISTING PARKING STALLS

SS

W1

W2

PROPOSED HEALTH & HUMAN SERVICES EOC BUILDING FFE=41.0'

PROPOSED STORM WATER POND #2

EXISTING STORMWATER POND #1

GOVERNMENT CENTER DR NE

COURT HOUSE DR NE

20.0' STREETYARD

US HWY 17 BUS OLD OCEAN HIGHWAY 100' R/W

U.S. HWY 17 BUS.
(A.K.A. OLD OCEAN HWY.)
100' PUBLIC R/W

ROSA ROAD SE

NOTE: SEE PR1 FOR SS, W1, AND W2 VIEWS OF UTILITY PROFILES

FOR PERMIT ONLY

SCALE: 1"=50'

0 25 50 100 150

PROFILE OVERVIEW
BRUNSWICK COUNTY HEALTH & HUMAN SERVICES
67 GOVERNMENT CENTER DR NE
BOLIVIA, NC 28422

OWNER/DEVELOPER
STEVE STONE, COUNTY MANAGER
BRUNSWICK COUNTY
P.O. BOX 249
BOLIVIA, NC 28422
910-253-2015
steve.stone@brunswickcountync.gov

Tunstall Consulting Engineers PLLC
2602 IRON GATE DR., SUITE 102
WILMINGTON, NC 28412
PHONE (910) 343-9633
LICENSE# P-3152

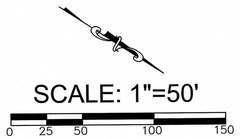
25001

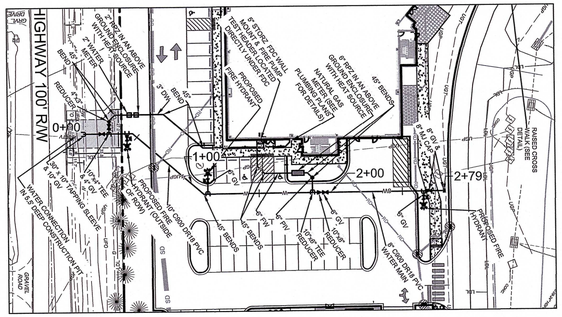
DES. JST
CKD. TJC
DRWN. MWA
DATE 04-01-26

NORTH CAROLINA PROFESSIONAL SEAL 19851 ENGINEER JOHN S. TUNSTALL

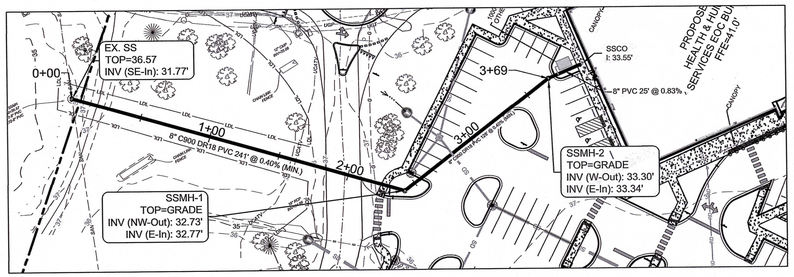
PR0

G:\projects\2025\25001 BC HHS-EOC Bldg\25001 Plans\dwg\25001 MASTER.dwg (PRO-BC) Plotted on: Apr 02, 2026 - 1:52pm by Thomas



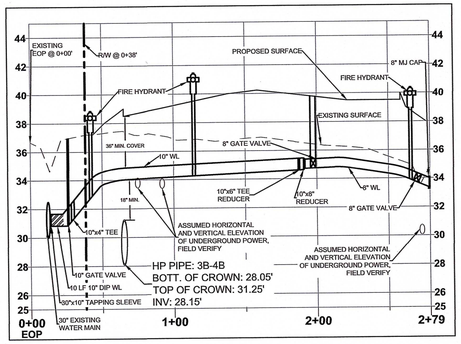


WATER 1 (W1) PLAN VIEW



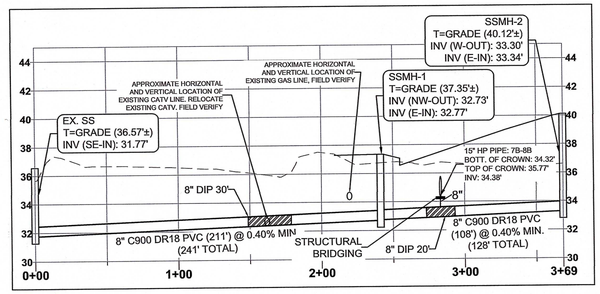
SANITARY SEWER PLAN (SS) VIEW





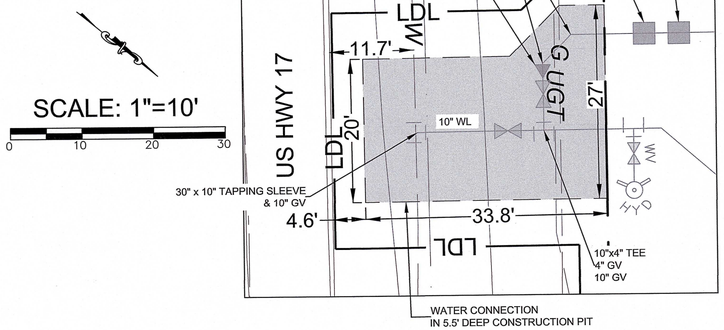
WATER 1 (W1) PROFILE VIEW

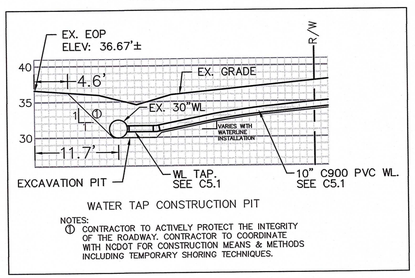
1" = 50' HORIZONTAL
1" = 5' VERTICAL



SANITARY SEWER PROFILE (SS) VIEW

1" = 50' HORIZONTAL
1" = 5' VERTICAL



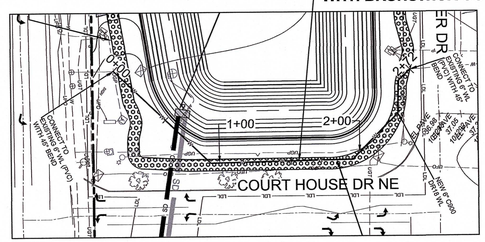


1" = 10' HORIZONTAL
1" = 10' VERTICAL

NOTES:

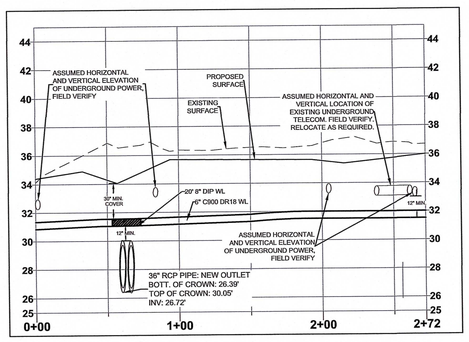
1. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES, INCLUDING HORIZONTAL LOCATIONS AND VERTICAL LOCATIONS AT ALL PROPOSED CROSSINGS.
2. ALL WORK FOR WATERLINE CONNECTION TO 30" MAIN IN BUS-17 R/W SHALL BE DONE FROM PROJECT SIDE.
3. ALL UTILITY WORK SHALL BE COORDINATED WITH BRUNSWICK COUNTY AND NCDOT
4. TRAFFIC CONTROL PLAN TO BE PROVIDED BY CONTRACTOR PRIOR TO PRE-CONSTRUCTION MEETING WITH NCDOT.
5. INSTALLATION OF WATERLINE CONNECTION MAY REQUIRE ACTIVE SHORING PLAN DUE TO DEPTH AND PROXIMITY TO EXISTING EOP. ACTIVE SHORING PLAN TO BE PROVIDED BY CONTRACTOR PRIOR TO PRE-CONSTRUCTION MEETING WITH NCDOT.

PRIOR TO REMOVAL OF EXISTING 6" WATER LINE, THE NEW 6" WATER LINE SHALL BE INSTALLED & TESTED (HYDROSTATIC TEST & BACTERIALOGICAL TEST). CONNECTION TO EXISTING 6" WATER LINE SHALL BE MINIMIZED & CONNECTION MUST BE COORDINATED WITH BRUNSWICK COUNTY



WATER 2 (W2) PLAN VIEW





WATER 2 (W2) PROFILE VIEW

1" = 50' HORIZONTAL
1" = 5' VERTICAL

FOR PERMIT ONLY

UTILITY PROFILE 1
BRUNSWICK COUNTY HEALTH & HUMAN SERVICES
67 GOVERNMENT CENTER DR NE
BOLIVIA, NC 28422

OWNER/DEVELOPER
STEVE STONE, COUNTY MANAGER
BRUNSWICK COUNTY
P.O. BOX 249
BOLIVIA, NC 28422
910-253-2015
steve.stone@brunswickcountync.gov

Tunstall Consulting Engineers PLLC
2602 IRON GATE DR., SUITE 102
WILMINGTON, NC 28412
PHONE (910) 343-9653

LICENSE# P-3152

25001

DES. JST
CKD. TJC
DRWN. MWA
DATE 04-01-26

NORTH CAROLINA PROFESSIONAL SEAL 19857 ENGINEER JOHN S. TUNSTALL

PR1

C:\Users\Thomas\AppData\Local\Temp\AcPublish_17852\25001 MASTER.dwg (PR1-BC) Plotted on: Apr 02, 2026 - 1:51pm by Thomas

BUILDING B

SEE SHEET C6.2

MATCHLINE

NOTE:
1) ALL ADA SPACES & ACCESS ISLES SHALL BE 2% MAXIMUM SLOPE IN EACH DIRECTION. SEE DETAIL.

2) ALL HANDICAP SPACES ARE VAN ACCESSIBLE

140 EXISTING PARKING STALLS

BUILDING C (EMS)

PROPOSED HEALTH & HUMAN SERVICES EOC BUILDING FFE=41.0'

PROPOSED STORM WATER POND #2

20.0' STREETYARD

GO

SYMBOL	DATE	DESCRIPTION	BY
A	04/01/26	VAN ACCESS CALLOUT, ETC	MWA

© 2025 TUNSTALL CONSULTING ENGINEERS

LAYOUT PLAN
BRUNSWICK COUNTY HEALTH & HUMAN SERVICES
67 GOVERNMENT CENTER DR NE
BOLIVIA, NC 28422

OWNER/DEVELOPER
STEVE STONE, COUNTY MANAGER
BRUNSWICK COUNTY
P.O. BOX 249
BOLIVIA, NC 28422
910-253-2015
steve.stone@brunswickcountync.gov

Tunstall Consulting Engineers PLLC
2602 IRON GATE DR., SUITE 102
WILMINGTON, NC 28412
PHONE (910) 343-9653

LICENSE# P-3152

25001

DES. JST
CKD. TJC
DRWN. MWA

DATE 04–01–26

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 19851 JOHN S. TUNSTALL

FOR PERMIT ONLY

SCALE: 1"=30'

0 15 30 60 90

C6.1

SIDEWALK
MULTI-USE PATH
ASPHALT - LD
POURED IN RUBBER SURFACE
ASPHALT - HD
HEAVY DUTY CONCRETE
LANDSCAPE AREA

C:\Users\Thomas\AppData\Local\Temp\AcPublish_17852\25001 MASTER.dwg (C6.1–BC) Plotted on: Apr 02, 2026 – 1:51pm by Thomas

SIDEWALK | MULTI-USE PATH | ASPHALT - LD | POND RIP-RAP

ASPHALT - HD | HEAVY DUTY CONCRETE | LANDSCAPE AREA

SEE SHEET C6.1

BUILDING B

MATCHLINE

BUILDING A

140 EXISTING PARKING STALLS

EXISTING SIDEWALK FIELD VERIFY LOCATION

SURVEY NOT PROVIDED FOR EXISTING TREE AND PICNIC TABLE FIELD VERIFY AND MEANDER SIDEWALK AROUND TREE & TABLE

APPROXIMATE LOCATION OF EXISTING TREE FIELD VERIFY

APPROXIMATE LOCATION OF EXISTING TREES FIELD VERIFY

HEAVY DUTY ASPHALT

NO OBSTRUCTION SHALL BE PLACED WITHIN SIGHT TRIANGLES

RAISED HANDICAP CROSS WALK (SEE DETAIL)

GOVERNMENT CENTER DR NE

6' CURB TAPER

RAMP

HEAVY DUTY CONCRETE (SEE DETAIL)

REMOVABLE BOLLARDS

HANDICAP SPACES VAN ACCESSIBLE

DUMPSTER PAD WITH ENCLOSURE SEE LANDSCAPE & STRUCTURAL PLANS FOR DETAIL

GENERATOR WITH ENCLOSURE SEE LANDSCAPE & STRUCTURAL PLANS FOR ENCLOSURE AND PAD DETAILS TRANSFORMER PAD SEE LANDSCAPE & STRUCTURAL PLANS FOR DETAILS

PROPOSED STORM WATER POND #2

NEW OUTLET STRUCTURE WITH SKIMMER (SEE DETAIL)

COURT HOUSE DR NE

EXISTING STORMWATER POND #1

GOVERNMENT CENTER DR NE

20' STREETYARD

EXISTING 36" RCP

PROPOSED 10' MULTI-USE PATH

SEE SHEET C6.1

FOR PERMIT ONLY

SCALE: 1"=30'

0 15 30 60 90

LAYOUT PLAN
BRUNSWICK COUNTY HEALTH & HUMAN SERVICES
67 GOVERNMENT CENTER DR NE
BOLIVIA, NC 28422

OWNER/DEVELOPER
STEVE STONE, COUNTY MANAGER
BRUNSWICK COUNTY
P.O. BOX 249
BOLIVIA, NC 28422
910-255-2015
steve.stone@brunswickcountync.gov

Tunstall Consulting Engineers PLLC
2602 IRON GATE DR., SUITE 102
WILMINGTON, NC 28412
PHONE (910) 343-9653
LICENSE# P-3152

25001

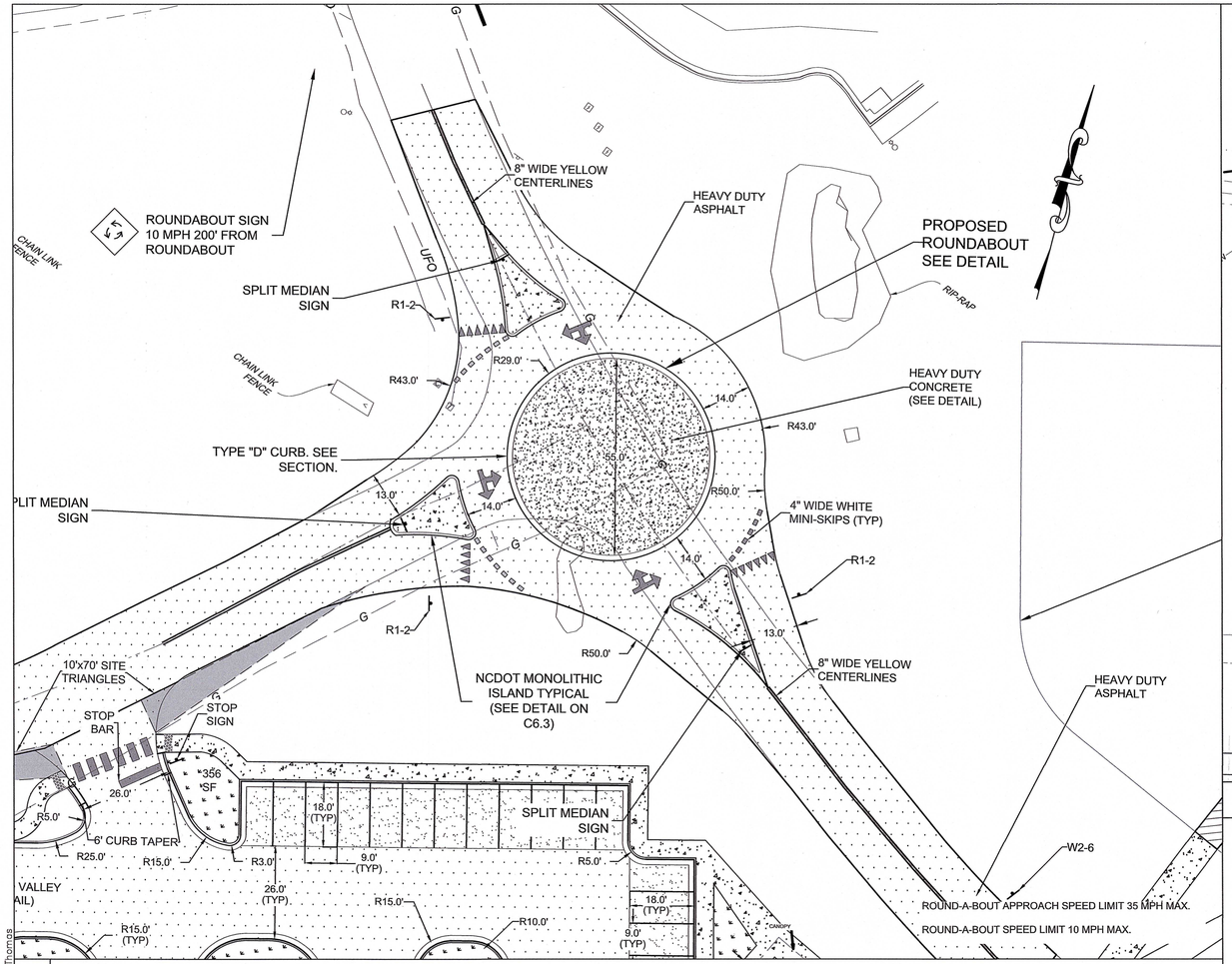
DES. JST
CKD. TJC
DRWN. MWA

DATE 04-01-26

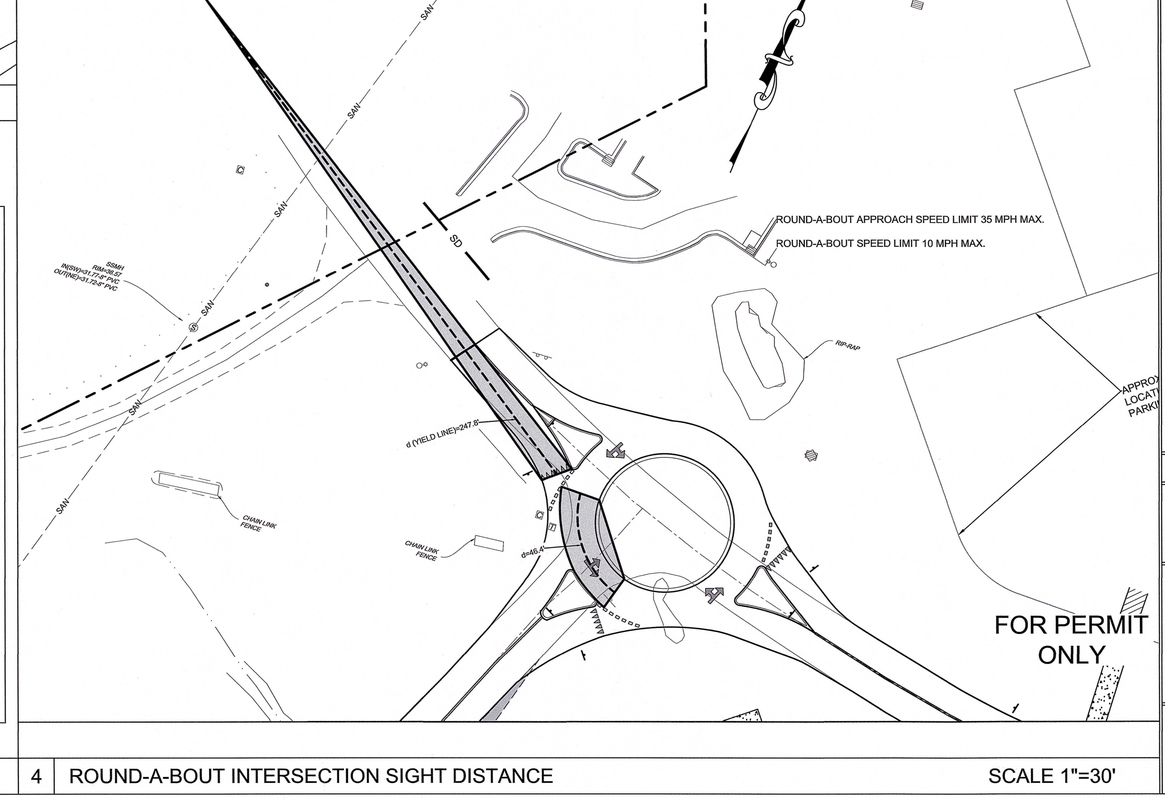
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 19851 JOHN S. TUNSTALL

C6.2

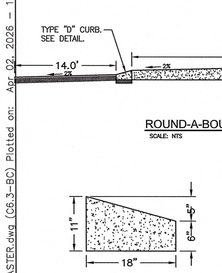
C:\Users\Thomas\AppData\Local\Temp\AcPublish_26964\25001_MASTER.dwg (C6.2-RC), Plotted on: Apr 01, 2026 - 10:50am by Thomas



1 | ROUND-A-BOUT LAYOUT DETAIL — SCALE 1"=20'



2 | ROUND-A-BOUT INTERSECTION STOPPING SIGHT DISTANCE — SCALE 1"=30'



ROUND-A-BOUT SECTION DETAIL
SCALE: NTS

CURB SECTION TYPE "D"
NTS

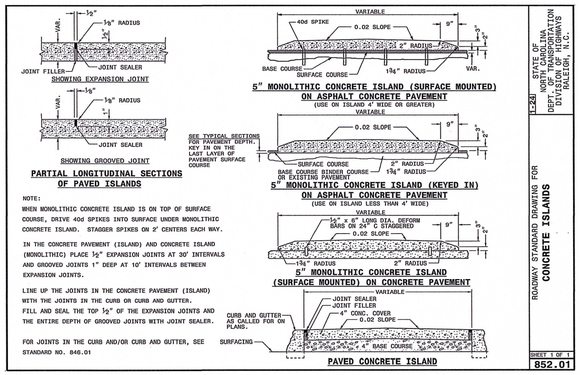
NOTES:
1) ANY REQUIRED INSTALLATION OR RELOCATION OF TRAFFIC SIGNS/PAVEMENT MARKINGS IS THE RESPONSIBILITY OF THE PROJECT DEVELOPER. PLEASE COORDINATE WITH CITY TRAFFIC SIGNS AND PAVEMENT MARKINGS MANAGER/SUPERVISOR PRIOR TO INSTALLATION/RELOCATION OF ANY TRAFFIC SIGNS OR MARKINGS IN PUBLIC ROW.
2) PROPOSED SIGNAGE AND PAVEMENT MARKINGS ARE SUBJECT TO REVISION BASED ON FIELD INSPECTION AND ENGINEERING JUDGEMENT BY SIGNAGE AND PAVEMENT MARKINGS MANAGER/SUPERVISOR PRIOR TO THE STREET ACCEPTANCE.
3) PLEASE CONTACT TRAFFIC ENGINEER PRIOR TO INSTALLATION.
STREET SIGNS INTENDED TO DIRECT FUNCTION ON PRIVATE ROADS/DRIVEWAYS SHALL NOT BE WITHIN THE PUBLIC ROW.

NOTE: ALL PAVEMENT MARKINGS & SIGNS SHALL COORDINATE WITH APPROVED SIGNAL PLANS

NOTE: A PRE-MARK LAYOUT INSPECTION SHALL BE REQUIRED PRIOR TO STRIPING.

SIGNAGE LEGEND

W2-6	
W13-1	
R1-2	
R4-7	
R6-4	
W11-2	
W16-7PL	
OM4-3	



3 | ROUND-A-BOUT DETAIL & SIGNAGE LEGEND & MONOLITHIC ISLAND DETAIL

4 | ROUND-A-BOUT INTERSECTION SIGHT DISTANCE — SCALE 1"=30'

ROUNDABOUT DESIGN DETAILS
BRUNSWICK COUNTY HEALTH & HUMAN SERVICES
67 GOVERNMENT CENTER DR NE
BOLIVIA, NC 28422

OWNER/DEVELOPER
STEVE STONE, COUNTY MANAGER
BRUNSWICK COUNTY
P.O. BOX 249
BOLIVIA, NC 28422
910-253-2015
steve.stone@brunswickcountync.gov

Tunstall Consulting Engineers PLLC
2602 IRON GATE DR., SUITE 102
WILMINGTON, NC 28412
PHONE (910) 343-9653
LICENSE# P-3152

25001

DES. JST
CKD. TJC
DRWN. MWA

DATE 04–01–26

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 19851 JOHN S. TUNSTALL

C6.3

G:\projects\2025\25001 BC HHS-EOC Bldg\25001 Plans\dwg\25001 MASTER.dwg (C6.3-BC) Plotted on: Apr 02, 2026 – 12:02pm by Thomas

ROUNDABOUT TRUCK TURNS

SCALE: 1"=30'

0 15 30 60 90

WB-67 INTERSTATE SEMI-TRAILER (ORANGE PATH)	
WIDTH:	8.50 FT
LENGTH:	73.50 FT
W/W RAD:	46.45

PARKING STALLS

PROPOSED HEALTH & HUMAN SERVICES EOC BUILDING FFE=41.0'

CANOPY

MAIN ENTRY

COORDINATE WITH OWNER TO RELOCATE COMMUNICATION STRUCTURE

NEW OUTLET STRUCTURE WITH SKIMMER (SEE DETAIL)

GOVERNMENT CENT

NOTE: ALL FOUR TRUCK TURN FIRE TRUCKS WORK ON SITE

E-ONE HEAVY WALK-IN RESCUE FIRE TRUCK (GREEN PATH)	
WIDTH:	8.33 FT
LENGTH:	43.25 FT
W/W RAD:	44.25

E-ONE HP 100 SUPER TILLER (MAGENTA PATH)	
WIDTH:	8.33 FT
LENGTH:	57.33 FT
W/W RAD:	26.997

E-ONE HP95 MID MOUNT (BLUE PATH)	
WIDTH:	8.33 FT
LENGTH:	47.75 FT
W/W RAD:	40.659

PUMPER FIRE TRUCK (RED PATH)	
WIDTH:	8.17 FT
LENGTH:	40.00 FT
W/W RAD:	42.26

FOR PERMIT ONLY

SCALE: 1"=30'

0 15 30 60 90

TRUCK TURN PLAN

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES
67 GOVERNMENT CENTER DR NE
BOLIVIA, NC 28422

OWNER/DEVELOPER
STEVE STONE, COUNTY MANAGER
BRUNSWICK COUNTY
P.O. BOX 249
BOLIVIA, NC 28422
910-253-2015
steve.stone@brunswickcountync.gov

Tunstall Consulting Engineers PLLC
2602 IRON GATE DR., SUITE 102
WILMINGTON, NC 28412
PHONE (910) 343-9633

LICENSE# P-3152

25001

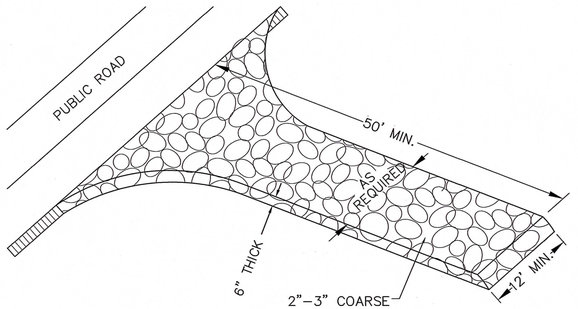
DES. JST
CKD. TJC
DRWN. MWA

DATE 04-01-26

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 19851 JOHN S. TUNSTALL II

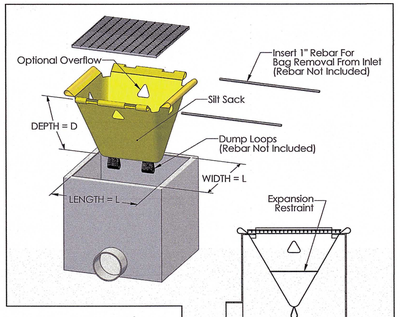
C6.4

C:\Users\Thomas\AppData\Local\Temp\AcPublish_17852\25001 MASTER.dwg (C6.4-BC) Plotted on: Apr 02, 2026 - 1:51pm by Thomas

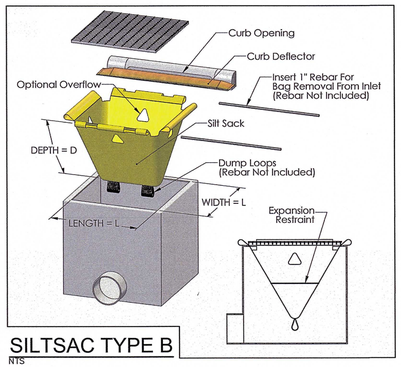


NOT TO SCALE

1 TEMPORARY GRAVELLED CONSTRUCTION ENTRANCE



SILTSAC TYPE A
NTS



SILTSAC TYPE B
NTS

NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING THE OPENING SIZE OF THE EXISTING OR PROPOSED CATCH BASIN OR DROP INLET. THE SILTSACK WILL BE MANUFACTURED TO FIT THE OPENING OF THE EXISTING OR PROPOSED CATCH BASIN OR DROP INLET.

2. TO INSTALL THE SILTSACK IN THE CATCH BASIN, REMOVE THE GRATE AND PLACE THE SACK IN THE OPENING. HOLD OUT APPROXIMATELY SIX INCHES OF THE SACK OUTSIDE THE FRAME. THIS IS THE AREA OF THE LIFTING STRAPS. REPLACE THE GRATE TO HOLD THE SACK IN PLACE.

3. THE SILTSACK IS FULL AND SHOULD BE EMPTIED WHEN THE RESTRAINT CORD IS NO LONGER VISIBLE.

4. TO REMOVE THE SILTSACK, TAKE TWO PIECES OF 1" DIAMETER REBAR AND PLACE THROUGH THE LIFTING LOOPS ON EACH SIDE OF THE SACK TO FACILITATE THE LIFTING OF THE SILTSACK.

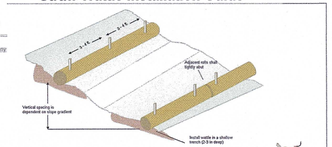
5. TO EMPTY THE SILTSACK, PLACE IT WHERE THE CONTENTS WILL BE COLLECTED. PLACE THE REBAR THROUGH THE LIFT STRAPS (CONNECTED TO THE BOTTOM OF THE SACK) AND LIFT. THIS WILL TURN THE SILTSACK INSIDE OUT AND EMPTY THE CONTENTS. CLEAN OUT AND RINSE. RETURN THE SILTSACK TO ITS ORIGINAL SHAPE AND PLACE BACK IN THE BASIN.

5 SILT SACK & SILT SACK NOTES

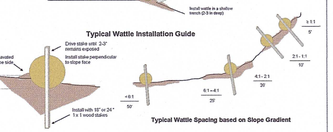
2 WATTLE DETAIL

NORTH AMERICAN GREEN
A Tensar Company

Straw Wattle Installation Guide



Typical Wattle Installation Guide



Entrenchment Detail

1. BEGIN AT THE LOCATION WHERE THE WATTLE IS TO BE INSTALLED BY EXCAVATING A 2-3" (5-7.5 CM) DEEP X 9" (22.9 CM) WIDE TRENCH ALONG THE CONTOUR OF THE SLOPE. EXCAVATED SOIL SHOULD BE PLACED UP-SLOPE FROM THE ANCHOR TRENCH.
2. PLACE THE WATTLE IN THE TRENCH SO THAT IT CONTOURS TO THE SOIL SURFACE. COMPACT SOIL FROM THE EXCAVATED TRENCH AGAINST THE WATTLE ON THE UPHILL SIDE. ADJACENT WATTLES SHOULD TIGHTLY ABUT.
3. SECURE THE WATTLE WITH 18-24" (45.7-61 CM) STAKES EVERY 3-4' (0.9 - 1.2 M) AND WITH A STAKE ON EACH END. STAKES SHOULD BE DRIVEN THROUGH THE MIDDLE OF THE WATTLE LEAVING AT LEAST 2-3" (5-7.5 CM) OF STAKE EXTENDING ABOVE THE WATTLE. STAKES SHOULD BE DRIVEN PERPENDICULAR TO SLOPE FACE.

North American Green Straw Wattles are a Best Management Practice (BMP) that offers an effective and economical alternative to silt fence and straw bales for sediment control and storm water runoff.

Guidelines are provided to assist in design, installation, and structure spacing. The guidelines may require modification due to variation in soil type, rainfall intensity or duration, and amount of runoff affecting the application site.

To maximize sediment containment with the Straw Wattle, place the initial structure at the toe/crest of the slope if significant runoff is expected from above. If no runoff from above is expected, the initial Straw Wattle can be installed at the appropriate distance downhill from the toe/crest of the slope. The final structure should be installed at or just beyond the bottom/toe of the slope. Wattles should be installed perpendicular to the primary direction of overland flow.

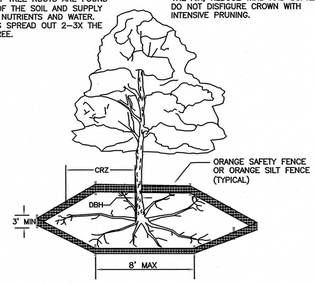
Straw Wattles are a temporary sediment control device and are not intended to replace rolled erosion control products (RECPs) or hydraulic erosion control products (HECPs). If vegetation is desired for permanent erosion control, North American Green recommends that RECPs or HECPs be used to provide effective immediate erosion control until vegetation is established. Straw Wattles may be used in conjunction with blankets, mats, and mulches as supplemental sediment and runoff control for these applications. Like all sediment control devices, the effectiveness of the Straw Wattle is dependent on storage capacity.

MAINTENANCE:
INSPECT WATTLE WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT (1/2 INCH OR GREATER). REMOVE ACCUMULATED SEDIMENT AND ANY DEBRIS.THE WATTLE MUST BE REPLACED IF CLOGGED OR TORN. IF PONDING BECOMES EXCESSIVE, THE WATTLE MAY NEED TO BE REPLACED WITH A LARGER DIAMETER OR A DIFFERENT MEASURE. THE SOCK NEEDS TO BE REINSTALLED IF UNDERMINED OR DISLODGED.THE WATTLE SHALL BE INSPECTED UNTIL LAND DISTURBANCE IS COMPLETE AND THE AREA ABOVE THE MEASURE HAS BEEN PERMANENTLY STABILIZED.

6 TREE PROTECTION DETAIL 1

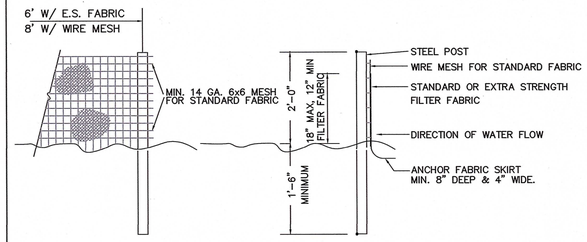
NOTE:
THE CRITICAL ROOT ZONE (CRZ) OF A TREE IS WHERE THE MAJORITY OF A TREE'S ROOTS LAY. 85% OF MOST TREE ROOTS ARE FOUND N THE TOP 24" OF THE SOIL AND SUPPLY THE MAJORITY OF NUTRIENTS AND WATER. GENERALLY, ROOTS SPREAD OUT 2–3X THE HEIGHT OF THE TREE.

NOTE.
GROWN OF THE TREE IS NEEDED FOR LEAF GROWTH TO PRODUCE OXYGEN, FILTER THE AIR, REDUCE WIND AND SOFTEN NOISE. DO NOT DISFIGURE CROWN WITH INTENSIVE PRUNING.



NOTES:
1. PROTECT CRITICAL ROOT ZONE (CRZ) OF TREES PRIOR TO CONSTRUCTION. CLEARLY MARK THE TREES AND ERECT A PROTECTIVE BARRIER AT THE CRZ. BARRIER SHALL BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETE.
2. CRZ RADIUS IS 1 FT PER INCH OF TREE DIAMETER AT BREAST HEIGHT (DBH).
3. IF CONSTRUCTION OCCURS WITHIN THE CRZ, AT LEAST 12" OF MULCH AND/OR LOGGING MATTS SHALL BE PLACED WHERE MACHINERY MANEUVERS TO REDUCE SOIL COMPACTION IN THIS ZONE.
4. WHERE SIDEWALKS AND PATHWAYS PASS WITHIN CRZ, EXTRA CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ROOTS. ALTERNATE CONSTRUCTION METHODS, SUCH AS A REINFORCED SIDEWALK, SHALL BE IMPLEMENTED AS NECESSARY.
5. FOR ALL TREES, CUTTING OF LARGE STRUCTURAL ROOTS LOCATED NEAR THE BASE OF THE TRUNK IS PROHIBITED. DO NOT COMPACT SOIL BENEATH TREES. NO VEHICLE SHALL BE ALLOWED TO PARK UNDER TREES. NO MATERIALS OR EQUIPMENT SHALL BE STORED BENEATH TREES. DAMAGING THE BARK WITH LAWNMOWERS, CONSTRUCTION EQUIPMENT, OR ANYTHING ELSE IS PROHIBITED. CONTRACTOR SHALL REPAIR DAMAGE TO TREES.
6. FAILING TO INSTALL OR MAINTAIN PROTECTION MEASURES SHALL RESULT IN A STOP WORK ORDER AND FINE OF $50/DAY. DISTURBANCE OTHER THAN THAT ALLOWED ON THE APPROVED PLAN WILL REQUIRE OWNER TO POST A LETTER OF CREDIT FOR 3 YRS FOR TREE MITIGATION

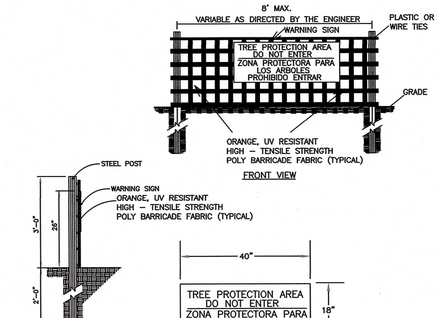
3 TEMPORARY SILT FENCE



NOTES:

1. SYN. FENCE FABRIC SHALL BE MIN. OF 30" IN WIDTH WITH 30 LB/IN TENSILE STRENGTH FOR STANDARD FABRIC AND 50 LB/IN FOR EXTRA STRENGTH.
2. FABRIC SHALL BE CONTINUOUS LENGTH. IF JOINTS ARE NECESSARY, LAP FABRIC POST TO POST.
3. STEEL POST SHALL BE MIN 4' IN HEIGHT AND BE OF THE SELF–FASTENER STEEL ANGLE TYPE.

NOT TO SCALE

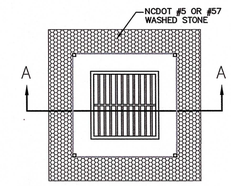


NOTES:

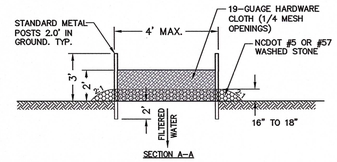
1. THE TREE PROTECTION FENCING SHALL NOT BE VIOLATED FOR THE ENTIRE DURATION OF THE PROJECT WITHOUT APPROVAL FROM URBAN FORESTRY STAFF.
2. WARNING SIGNS TO BE MADE OF DURABLE, WEATHERPROOF MATERIAL. LETTERS TO BE 3" HIGH, MINIMUM, CLEARLY LEGIBLE AND SPACED AS DETAILED.
3. SIGNS SHALL BE PLACED AT 50' MAXIMUM INTERVALS. PLACE A SIGN AT EACH END OF LINEAR TREE PROTECTION AND 50' ON CENTER THEREAFTER. FOR TREE PROTECTION AREAS LESS THAN 100' IN PERIMETER, PROVIDE NO LESS THAN TWO SIGNS PER PROTECTION AREA.
4. ATTACH SIGNS SECURELY TO FENCE POSTS AND FABRIC. MAINTAIN TREE PROTECTION FENCE AND SIGNS THROUGHOUT DURATION OF PROJECT.
5. TREE PROTECTION FENCING AND SIGNAGE SHALL BE REMOVED AFTER CONSTRUCTION.

4 HARDWARE CLOTH AND GRAVEL INLET PROTECTION

CONSTRUCTION SEQUENCE:
1. UNIFORMLY GRADE A SHALLOW DEPRESSION APPROACHING THE INLET.
2. DRIVE 5' STEEL POST 2' INTO THE GROUND SURROUNDING THE INLET. SPACE POST EVENLY AROUND THE PERIMETER OF THE INLET, A MAXIMUM OF 4' APART.
3. SURROUND THE POST WITH WIRE MESH HARDWARE CLOTH. SECURE THE WIRE MESH TO THE STEEL POST AT THE TOP, MIDDLE AND BOTTOM. PLACING A 2' FLAP OF THE WIRE MESH UNDER THE GRAVEL FOR ANCHORING IS RECOMMENDED.
4. PLACE CLEAN GRAVEL (NCDOT #5 OR #57 STONE) ON A 2:1 SLOPE WITH A HEIGHT OF 16" TO 18" AROUND THE WIRE, AND SMOOTH TO AN EVEN GRADE.
5. ONCE THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED, REMOVE ACCUMULATED SEDIMENT, AND ESTABLISH FINAL GRADING ELEVATIONS.
6. COMPACT THE AREA PROPERLY AND STABILIZE IT WITH GROUNDCOVER.

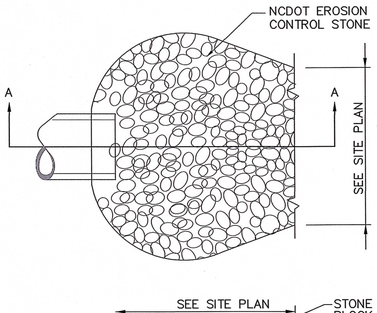


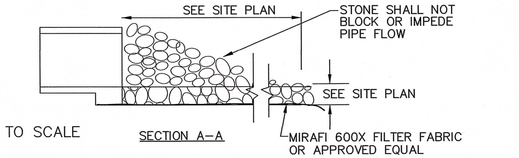
MAINTENANCE:
INSPECT INLETS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2 INCH OR GREATER) RAINFALL EVENT. CLEAR THE MESH WIRE OF ANY DEBRIS OR OTHER OBJECTS TO PROVIDE ADEQUATE FLOW FOR SUBSEQUENT RAINS. TAKE CARE NOT TO DAMAGE OR UNDERCUT THE WIRE MESH DURING SEDIMENT REMOVAL. REMOVE SEDIMENT WHEN ACCUMULATION REACHES HALF THE DEPTH OF ROCK. REPLACE STONE WHEN IT NO LONGER DRAINS AS DESIGNED.



NOT TO SCALE

7 ENERGY DISSIPATOR

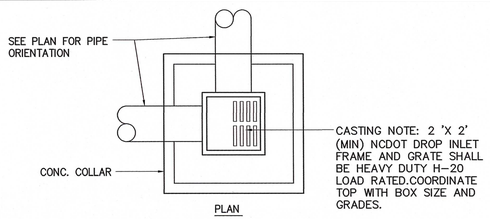




NOT TO SCALE

SECTION A–A

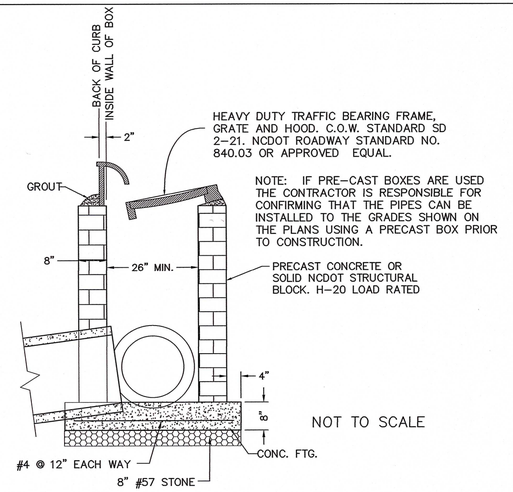
NOTE: FILTER FABRIC AND STONE SHALL BE TOED UNDER PIPE END.



NOT TO SCALE

MUST COMPLY WITH CITY OF WILMINGTON STANDARDS

8 DROP INLET DETAIL



NOT TO SCALE

MUST COMPLY WITH CITY OF WILMINGTON STANDARDS

9 CATCH BASIN DETAIL

10

FOR PERMIT ONLY

NOTES & DETAILS
BRUNSWICK COUNTY HEALTH & HUMAN SERVICES
67 GOVERNMENT CENTER DR NE
BOLIVIA, NC 28422

OWNER/DEVELOPER
STEVE STONE, COUNTY MANAGER
BRUNSWICK COUNTY
P.O. BOX 249
BOLIVIA, NC 28422
910-253-2015
steve.stone@brunswickcountync.gov

Tunstall Consulting Engineers PLLC
2602 IRON GATE DR., SUITE 102
WILMINGTON, NC 28412
PHONE (910) 343-9653

LICENSE# P-3152

25001

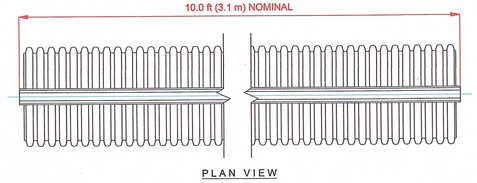
DES. JST
CKD. TJC
DRWN. MWA

DATE 04–01–26

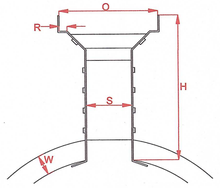
NORTH CAROLINA REGISTERED SEAL 19851 ENGINEER JOHN S. TUNSTALL

C7.0

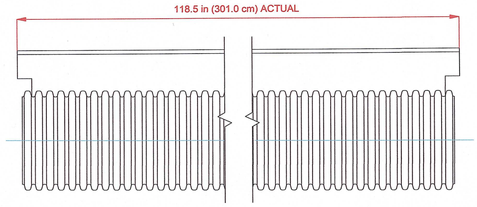
C:\Users\Thomas\AppData\Local\Temp\AcePublish_38788\25001 DETAIL SHEETS.dwg (C7.0–BC) Plotted on: Apr 02, 2026 – 12:13pm by Thomas



PLAN VIEW



CROSS SECTION



PROFILE VIEW

PIPE Ø, in (mm)	H, in (mm)	W, in (mm)	O, in (mm)	S, in (mm)	R, in (mm)	PRODUCT #
6 (150)	3.00 (76)	0.46 (12)	5.00 (127)	2.25 (57)	0.32 (8)	0620DSXL
6 (150)	6.50 (165)					0660DSXL
8 (200)	3.00 (76)	0.61 (15)				0820DSXL
8 (200)	6.50 (165)					0860DSXL
10 (250)	3.00 (76)	0.73 (19)				1020DSXL
10 (250)	6.50 (165)					1060DSXL
12 (300)	3.50 (89)	1.15 (29)				1220DSXL
12 (300)	7.00 (178)					1260DSXL
15 (375)	7.00 (178)	1.30 (33)				1560DSXL
18 (450)	7.00 (178)	1.57 (40)				1860DSXL
24 (600)	7.25 (184)	1.86 (47)				2460DSXL
30 (750)	8.25 (210)	2.55 (65)				3060DSXL
36 (900)	8.25 (210)	2.85 (72)				3660DSXL

NOTES:
1. SEE GRATING DETAILS FOR SURFACE TREATMENT OPTIONS.
2. ALL DIMENSIONS ARE FOR REFERENCE ONLY.

© 2025 ADS, INC.

REV.	DESCRIPTION	BY	MM/DD/YY	CHK'D
3	Updated Layers & Logo	KJS	01/09/2025	-

ADVANCED DRAINAGE SYSTEMS, INC. ("ADS") HAS PREPARED THIS DETAIL BASED ON INFORMATION PROVIDED TO ADS. THIS DRAWING IS INTENDED TO DEPICT THE COMPONENTS AS REQUESTED. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT, NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEERS RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEETS OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

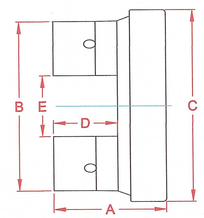
Duraslot XL Pipe
Standard Slot Height

DRAWING NUMBER: STD-1400B

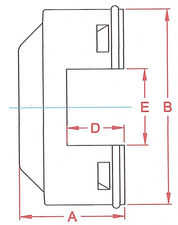
ADS Advanced Drainage Systems, Inc.
4640 TRUEMAN BLVD
HILLIARD, OHIO 43026

DRAWN BY	KJS
DATE	04-18-2023
SPEC NO.	-
SCALE	NTS
SHEET	1 OF 1

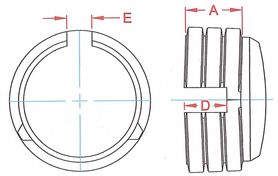
SPIGOT END CAP FOR 6 IN (200 mm) & 10 IN (250 mm) PIPE DIAMETER



ST CLEATED END CAP FOR 8 IN (200 mm) PIPE DIAMETER



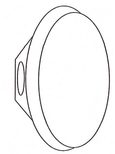
SPLIT END CAP FOR 12 - 24 IN (300 - 600 mm) PIPE DIAMETER



END VIEW

TOP VIEW

TAYLOR END PLUG FOR 30 - 36 IN (750 - 900 mm) PIPE DIAMETER



END CAP FOR DURASLOT DIMENSIONS

PIPE Ø, in (mm)	A, in (mm)	B, in (mm)	C, in (mm)	D, in (mm)	E, in (mm)	PRODUCT # (Std./Cust. Slot)
6 (150)	4.50 (114)	5.12 (130)	7.63 (194)	3.00 (76)	2.50 (64)	0633DS/ 0693DS
8 (200)	4.25 (108)	6.95 (177)	N/A	2.50 (64)	2.50 (64)	0833DS/ 0893DS
10 (250)	5.00 (127)	9.88 (251)	12.13 (308)	3.50 (89)	2.50 (64)	1033DS/ 1093DS
12 (300)	5.76 (146)	11.56 (294)	N/A	4.25 (108)	2.50 (64)	1233DS/ 1293DS
15 (375)	7.77 (197)	N/A	N/A	6.25 (159)	2.50 (64)	1533DS/ 1593DS
18 (450)	8.04 (204)	N/A	N/A	6.50 (165)	2.50 (64)	1833DS/ 1893DS
24 (600)	9.45 (240)	N/A	N/A	8.00 (200)	2.50 (64)	2433DS/ 2493DS
30 (750)	N/A	N/A	N/A	N/A	N/A	3033DS/ 3093DS
36 (900)	N/A	N/A	N/A	N/A	N/A	3633DS/ 3693DS

END CAP FOR DURASLOT XL DIMENSIONS

PIPE Ø, in (mm)	A, in (mm)	B, in (mm)	C, in (mm)	D, in (mm)	E, in (mm)	PRODUCT # (Std./Cust. Slot)
6 (150)	4.50 (114)	5.12 (130)	7.63 (194)	3.00 (76)	2.50 (64)	0633DSXL/ 0693DSXL
8 (200)	4.25 (108)	6.95 (177)	N/A	2.50 (64)	2.50 (64)	0833DSXL/ 0893DSXL
10 (250)	5.00 (127)	9.88 (251)	12.13 (308)	3.50 (89)	2.50 (64)	1033DSXL/ 1093DSXL
12 (300)	5.76 (146)	11.56 (294)	N/A	4.25 (108)	2.50 (64)	1233DSXL/ 1293DSXL
15 (375)	7.77 (197)	N/A	N/A	6.25 (159)	2.50 (64)	1533DSXL/ 1593DSXL
18 (450)	8.04 (204)	N/A	N/A	6.50 (165)	2.50 (64)	1833DSXL/ 1893DSXL
24 (600)	9.45 (240)	N/A	N/A	8.00 (200)	2.50 (64)	2433DSXL/ 2493DSXL
30 (750)	N/A	N/A	N/A	N/A	N/A	3033DSXL/ 3093DSXL
36 (900)	N/A	N/A	N/A	N/A	N/A	3633DSXL/ 3693DSXL

NOTES:
1. ALL FITTING DIMENSIONS ARE FOR REFERENCE ONLY.
2. ALL HARDWARE REQUIRED FOR ASSEMBLY IS INCLUDED WITH THE PURCHASE OF A COUPLER BAND, INCLUDING A SLOT END CAP.
3. THE TAYLOR END PLUG IS UTILIZED AS A PERMANENT END TREATMENT WITH DURASLOT PIPE.

© 2025 ADS, INC.

REV.	DESCRIPTION	BY	MM/DD/YY	CHK'D
2	Updated Layers & Logo	KJS	01/13/25	-

ADVANCED DRAINAGE SYSTEMS, INC. ("ADS") HAS PREPARED THIS DETAIL BASED ON INFORMATION PROVIDED TO ADS. THIS DRAWING IS INTENDED TO DEPICT THE COMPONENTS AS REQUESTED. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT, NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEERS RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEETS OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

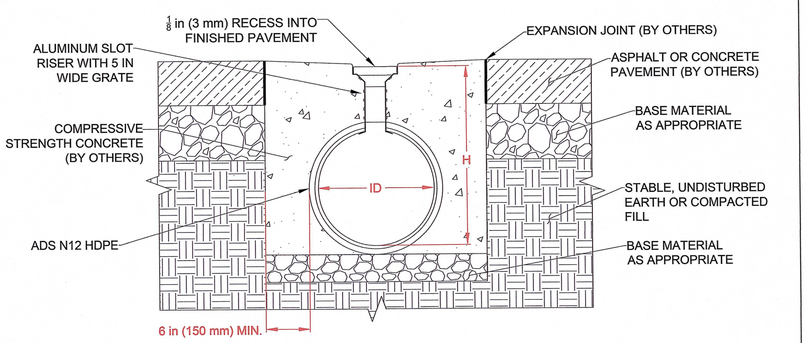
Duraslot & Duraslot XL
End Cap

DRAWING NUMBER: STD-1411

ADS Advanced Drainage Systems, Inc.
4640 TRUEMAN BLVD
HILLIARD, OHIO 43026

DRAWN BY	KJS
DATE	04-18-2023
SPEC NO.	-
SCALE	NTS
SHEET	1 OF 1

!GENTITLE-MAX



Nominal Diameter, ID, in. (mm)	Depth of Invert, H, in. (mm)	
	Minimum	Maximum
6 (150)	12.50 (318)	30.00 (762)
8 (200)	14.50 (368)	32.00 (813)
10 (250)	16.50 (419)	34.00 (864)
12 (300)	19.00 (483)	48.00 (1219)
15 (375)	22.00 (559)	51.00 (1295)
18 (450)	25.00 (635)	54.00 (1372)
24 (600)	31.25 (794)	60.00 (1524)
30 (750)	38.25 (972)	66.00 (1676)
36 (900)	44.25 (1024)	72.00 (1829)

NOTES:
1. BACKFILL DESIGN SHOULD BE USED FOR HS-20 LOADING APPLICATIONS.
2. SITE ENGINEER TO PROVIDE SITE SPECIFIC DETAILS, SUCH AS CONCRETE STRENGTH.
3. REFER TO ADS TECH NOTE 2.11 FOR ADDITIONAL DESIGN INFORMATION.
4. SLOT RECESS IS NOT INCLUDED IN DEPTH OF INVERT TABLES.

© 2025 ADS, INC.

REV.	DESCRIPTION	BY	MM/DD/YY	CHK'D
1	Updated Layers & Logo	KJS	01/09/25	-

ADVANCED DRAINAGE SYSTEMS, INC. ("ADS") HAS PREPARED THIS DETAIL BASED ON INFORMATION PROVIDED TO ADS. THIS DRAWING IS INTENDED TO DEPICT THE COMPONENTS AS REQUESTED. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT, NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEERS RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEETS OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

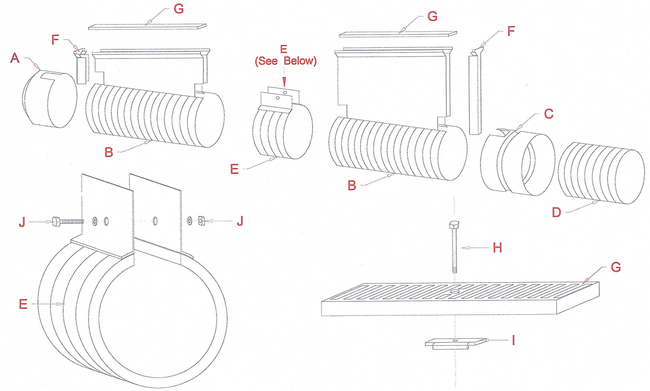
Duraslot XL Heavy
Traffic Installation

DRAWING NUMBER: STD-1462B

ADS Advanced Drainage Systems, Inc.
4640 TRUEMAN BLVD
HILLIARD, OHIO 43026

DRAWN BY	KJS
DATE	04-18-2023
SPEC NO.	-
SCALE	NTS
SHEET	1 OF 1

!GENTITLE-RU



A. Duraslot XL End Cap
B. Duraslot XL Pipe
C. Duraslot XL Adapter
D. ADS N-12 HDPE or HP Storm Pipe or Plain End Fitting
E. Duraslot XL Coupler Band
F. Duraslot XL Slot Cap
G. 127 mm Wide Grate (Provided by ADS or Other)
H. 5/16" - 18 Locking Bolt (Bolt Design Varies by Grate Design)
I. Locking Plate with 5/16" - 18 Nut
J. Hex Head Assembly Kit:
5/16" Hex Head Screw x 3 1/2" Long w/
(2) Washers & 5/16" Hex Nut

NOTE: - Slot height may vary per project
- Each Cap (A) & Adapter (C) comes with an End Plate (F).
- Coupler Band (E) comes with a Hex Head Assembly Kit (J)

© 2024 ADS, INC.

REV.	DESCRIPTION	BY	MM/DD/YY	CHK'D
0	-	-	-	-

ADVANCED DRAINAGE SYSTEMS, INC. ("ADS") HAS PREPARED THIS DETAIL BASED ON INFORMATION PROVIDED TO ADS. THIS DRAWING IS INTENDED TO DEPICT THE COMPONENTS AS REQUESTED. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT, NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEERS RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEETS OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

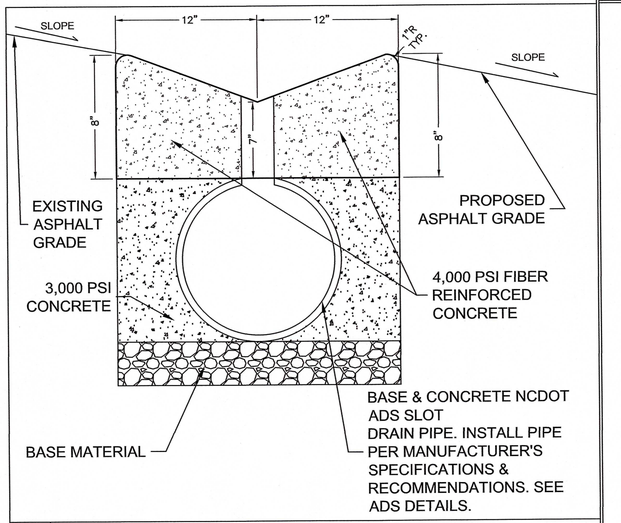
Duraslot XL
Assembly

DRAWING NUMBER: STD-1480B_C

ADS Advanced Drainage Systems, Inc.
4640 TRUEMAN BLVD
HILLIARD, OHIO 43026

DRAWN BY	KJS
DATE	2024-09-30
SPEC NO.	-
SCALE	NTS
SHEET	1 OF 1

!GENTITLE-INSERT



23 SLOT DRAIN

FOR PERMIT ONLY

NOTES & DETAILS
BRUNSWICK COUNTY HEALTH & HUMAN SERVICES
67 GOVERNMENT CENTER DR NE
BOLIVIA, NC 28422

OWNER/DEVELOPER
STEVE STONE, COUNTY MANAGER
BRUNSWICK COUNTY
P.O. BOX 249
BOLIVIA, NC 28422
910-253-2015
steve.stone@brunswickcountync.gov

Tunstall Consulting Engineers PLLC
2602 IRON GATE DR., SUITE 102
WILMINGTON, NC 28412
PHONE (910) 343-9653

LICENSE# P-3152

25001

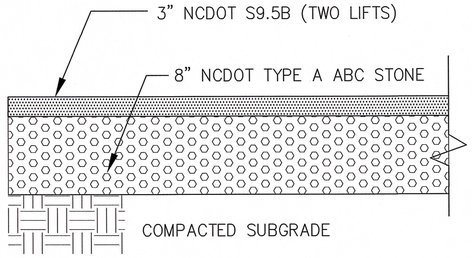
DES. JST
CKD. TJC
DRWN. MWA

DATE 04–01–26

NORTH CAROLINA PROFESSIONAL SEAL 19851 ENGINEER JOHN S. TUNSTALL

C7.1

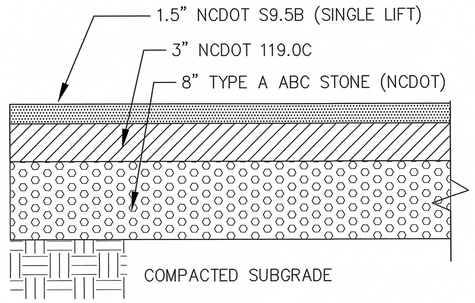
C:\Users\Thomas\AppData\Local\Temp\AcPublish_38788\25001 DETAIL SHEETS.dwg (C7.1-BC) Plotted on: Apr 02, 2026 – 12:13pm by Thomas



NOTES:
1. PAVEMENT SECTIONS SHALL BE DETERMINED WITH CONSULTATION FROM THE GEOTECHNICAL ENGINEER AND ONLY PER THEIR RECOMMENDATIONS. PAVEMENT DETAIL SECTIONS SHOWN ARE MINIMUMS AND MAY BE STRENGTHENED PER GEOTECHNICAL ENGINEERS RECOMMENDATIONS.

2. REFERENCE GEOTECHNICAL REPORT FOR UNDERCUTTING IN AREAS OF PROPOSED PARKING AND DRIVE AREAS. CONSULT WITH GEOTECHNICAL ENGINEER TO DETERMINE REQUIRED SUBGRADE UNDERCUTTING AND REPLACEMENT.

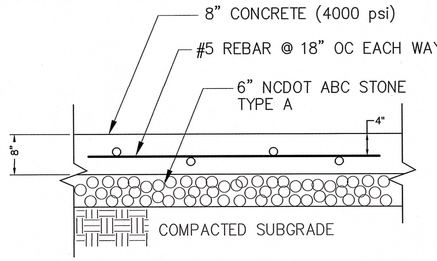
12 LIGHT DUTY ASPHALT PAVEMENT SECTION



NOTES:
1. PAVEMENT SECTIONS SHALL BE DETERMINED WITH CONSULTATION FROM THE GEOTECHNICAL ENGINEER AND ONLY PER THEIR RECOMMENDATIONS. PAVEMENT DETAIL SECTIONS SHOWN ARE MINIMUMS AND MAY BE STRENGTHENED PER GEOTECHNICAL ENGINEERS RECOMMENDATIONS.

2. REFERENCE GEOTECHNICAL REPORT FOR UNDERCUTTING IN AREAS OF PROPOSED PARKING AND DRIVE AREAS. CONSULT WITH GEOTECHNICAL ENGINEER TO DETERMINE REQUIRED SUBGRADE UNDERCUTTING AND REPLACEMENT.

13 HEAVY DUTY ASPHALT PAVEMENT SECTION

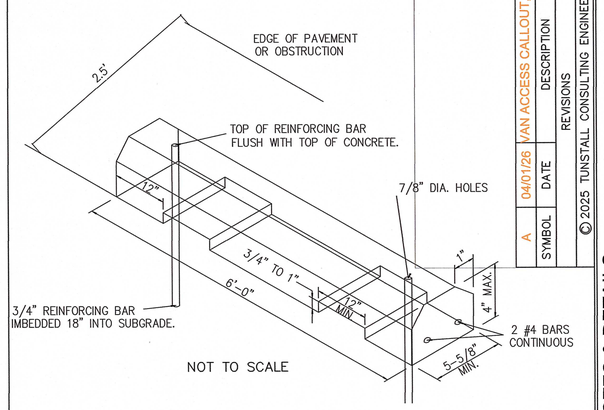


NOTES:
1. CONTROL JOINTS SHALL BE EVERY 15 FT. (MAX.) AND EXPANSION JOINTS SHALL BE EVERY 50 FT. (MAX).

1. PAVEMENT SECTIONS SHALL BE DETERMINED WITH CONSULTATION FROM THE GEOTECHNICAL ENGINEER AND ONLY PER THEIR RECOMMENDATIONS. PAVEMENT DETAIL SECTIONS SHOWN ARE MINIMUMS AND MAY BE STRENGTHENED PER GEOTECHNICAL ENGINEERS RECOMMENDATIONS.

2. REFERENCE GEOTECHNICAL REPORT FOR UNDERCUTTING IN AREAS OF PROPOSED PARKING AND DRIVE AREAS. CONSULT WITH GEOTECHNICAL ENGINEER TO DETERMINE REQUIRED SUBGRADE UNDERCUTTING AND REPLACEMENT.

14 HEAVY DUTY CONCRETE PAVEMENT SECTION



15 CONCRETE WHEELSTOP DETAIL

NOTE:
1. RAMP SHALL HAVE A DETECTABLE WARNING COMPLYING WITH ADA GUIDELINES. "COLONIAL RED" COLOR FOR DOME.

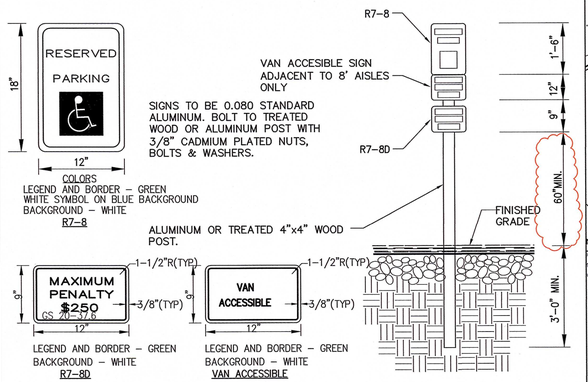
2. THE DETECTABLE WARNINGS AT CURB RAMPS SHALL BE 24 INCHES MINIMUM IN THE DIRECTION OF TRAVEL AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE.

3. MARKED CROSSINGS THAT ARE RAISED TO THE SAME LEVEL AS THE ADJOINING SIDEWALK SHALL BE PRECEDED BY A 24 INCH DEEP DETECTABLE WARNING EXTENDING THE FULL WIDTH OF THE MARKED CROSSING.

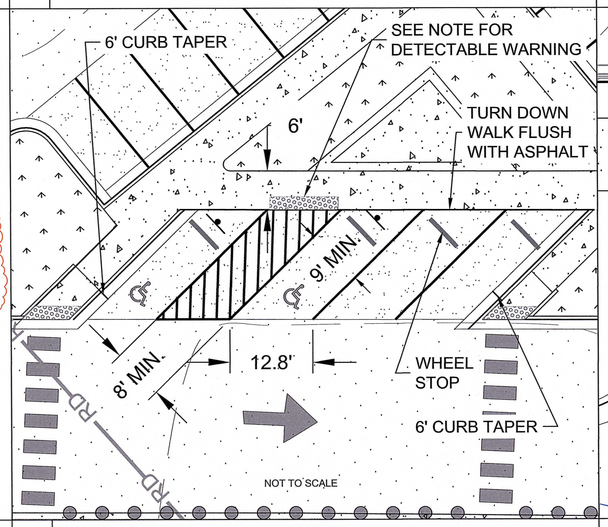
4. DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 IN (23 MM), A HEIGHT OF NOMINAL 0.2 IN (5 MM) AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.35 IN (60 MM) AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT. THE MATERIAL USED TO PROVIDE CONTRAST SHOULD CONTRAST BY AT LEAST 70% - REFER TO ADA GUIDELINES FOR DEFINITION OF "CONTRAST".

5. THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE. DETECTABLE WARNINGS USED ON INTERIOR SURFACES SHALL DIFFER FROM ADJOINING WALKING SURFACES IN RESILIENCY OR SOUND-ON-CANE CONTACT.

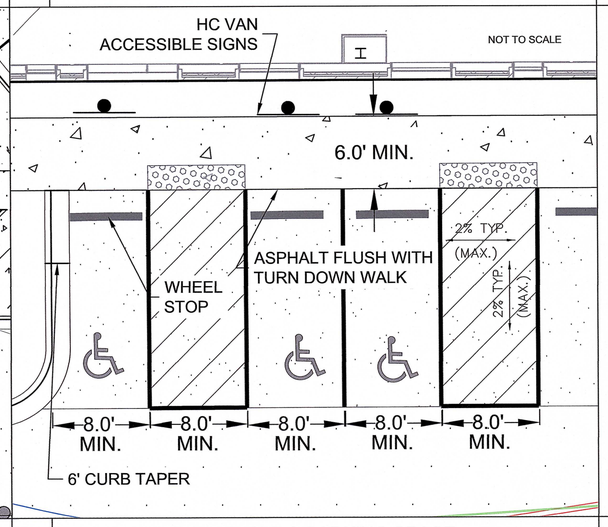
16 TYPICAL HANDICAPPED SIGN DETAIL



17 HANDICAP ACCESS ISLE & 45° PARKING SPACES

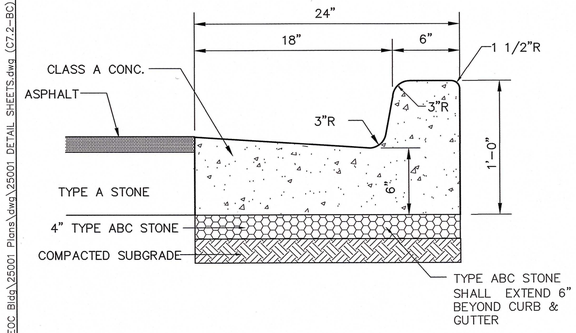


18 HANDICAP ACCESS ISLE & PARKING SPACE



19 DETECTABLE WARNING NOTES

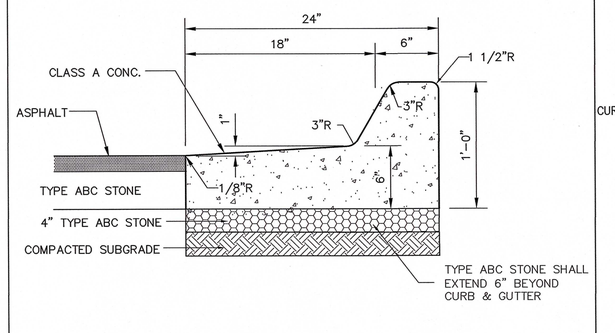
20 24" CURB AND GUTTER SECTION (FLOW-LINE)



NOTE: CURB TYPE DEPENDS ON GRADES SHOWN ON GRADING PLAN. GRADES INDICATING FALL AWAY FROM CURB SHALL BE SPILL OFF TYPE CURB. GRADES INDICATING CURB ACCEPTING FLOW SHALL BE FLOW LINE TYPE.

NOT TO SCALE

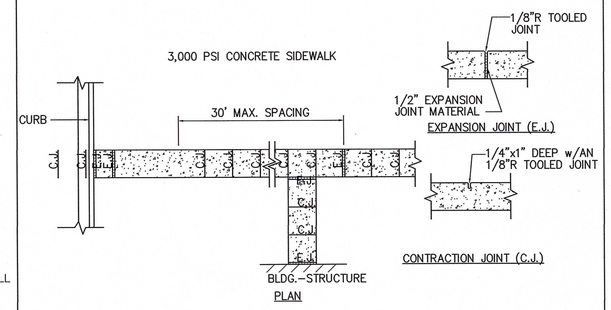
21 24" CURB AND GUTTER SECTION (SPILL-OFF)



NOTE: CURB TYPE DEPENDS ON GRADES SHOWN ON GRADING PLAN. GRADES INDICATING FALL AWAY FROM CURB SHALL BE SPILL OFF TYPE CURB. GRADES INDICATING CURB ACCEPTING FLOW SHALL BE FLOW LINE TYPE.

NOT TO SCALE

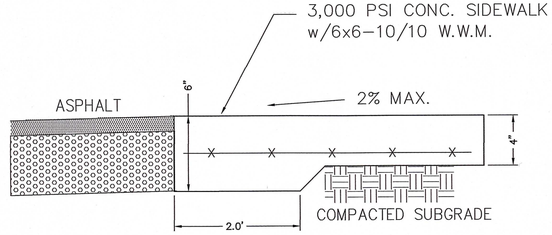
22 SIDEWALK JOINT DETAIL



NOTES:
1. SIDEWALK THICKNESS SHALL BE 4" UNLESS NOTED OTHERWISE.
2. CONTRACTION JOINTS (C.J.) SPACE SAME AS SIDEWALK WIDTH. 3. THICKEN SIDEWALK TO 6" AT DRIVEWAYS.
4. THICKEN SIDEWALK TO 6" IN LAST 3' WHERE IT ABUTS PAVEMENT WITH NO CURB.
5. 1/2" EXPANSION JOINT (E.J.) AND SNAP CAP EXPANSION JOINT COVERS ARE REQUIRED AT 50' MAX. AT SIDEWALK JUNCTIONS, AT STRUCTURES, AND AS NOTED ON SITE PLAN. 6. PROVIDE A LAYER OF 15# BLDG. FELT BETWEEN WALK AND ADJACENT PARALLELING CURB OR STRUCTURE.

NOT TO SCALE

23 TURN DOWN WALK SECTION



FOR PERMIT ONLY

NOT TO SCALE

SYMBOL	DATE	REVISIONS	BY
A	04/01/26	VAN ACCESS CALLOUT, ETC.	MWA

© 2025 TUNSTALL CONSULTING ENGINEERS

NOTES & DETAILS
BRUNSWICK COUNTY HEALTH & HUMAN SERVICES
67 GOVERNMENT CENTER DR NE
BOLIVIA, NC 28422

OWNER/DEVELOPER
STEVE STONE, COUNTY MANAGER
BRUNSWICK COUNTY
P.O. BOX 249
BOLIVIA, NC 28422
910-253-2015
steve.stone@brunswickcountync.gov

Tunstall Consulting Engineers PLLC
2602 IRON GATE DR., SUITE 102
WILMINGTON, NC 28412
PHONE (910) 343-9633
LICENSE# P-3152

25001

DES. JST
CKD. TJC
DRWN. MWA
DATE 04–01–26

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 19851 JOHN S. TUNSTALL II

C7.2

G:\projects\2025\25001 BC HHS-EOC Bldg\25001 Plans\dwg\25001 DETAIL SHEETS.dwg (C7.2-BC) Plotted on: Apr 02, 2026 – 11:43am by Thomas

POND PLANTING LEGEND:

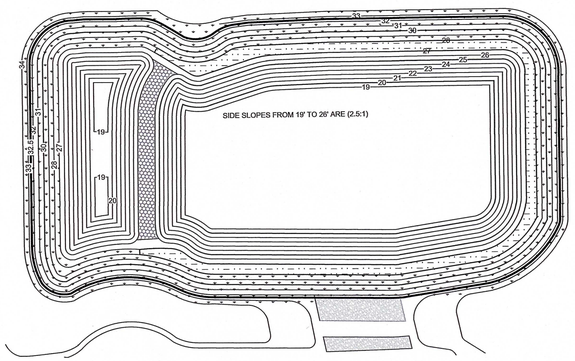
THE VEGETATED SHELF (27–28) SHALL BE PLANTED WITH A MINIMUM OF THREE DIVERSE SPECIES OF HERBACEOUS, NATIVE VEGETATION AT A MINIMUM DENSITY OF 50 PLANTS PER 200 SF OF SHELF AREA. PLANTS MAY BE SWAMP MILKWEED, SCARLET ROSE MALLOW, LONGLEAF LOBELIA OR OTHER NATIVE WETLAND SPECIES. FINAL PLANTINGS SHALL BE PER LANDSCAPE PROFESSIONAL.

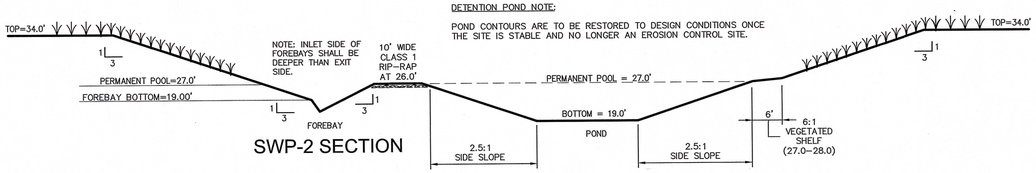
MAIN POND ABOVE ELEV. 27 AND FOREBAYS ABOVE ELEV. 26 ARE TO BE PLANTED WITH PERENNIAL TURF GRASS–HYBRID BERMUDA GRASS. POND SLOPE PLANTINGS SHALL BE EITHER SOD (BERMUDA GRASS) OR OR MATTED AND SEEDED WITH BERMUDA GRASS SEED.

NOTES:

1. THE VEGETATED SHELF SHALL BE PLANTED WITH A MINIMUM OF THREE DIVERSE SPECIES OF HERBACEOUS, NATIVE VEGETATION AT A MINIMUM DENSITY OF 50 PLANTS PER 200 SF OF SHELF AREA.
2. CATTAILS ARE NOT TO BE PLANTED IN OR AROUND POND.

4 POND PLANTING DETAIL



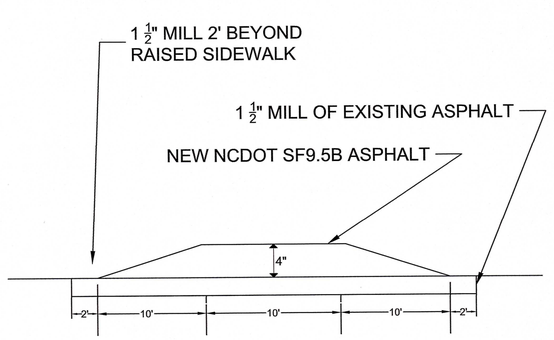


SWP-2 SECTION

DETENTION POND NOTE:

POND CONTOURS ARE TO BE RESTORED TO DESIGN CONDITIONS ONCE THE SITE IS STABLE AND NO LONGER AN EROSION CONTROL SITE.

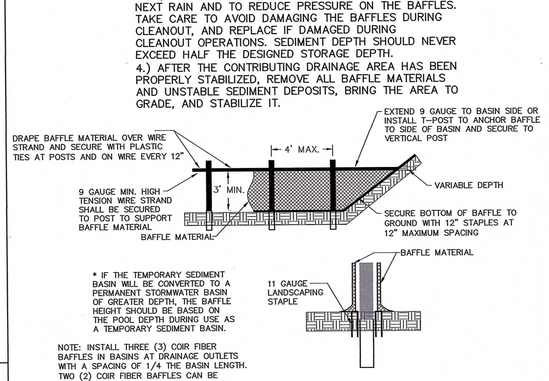
5 SW POND 2 SECTION



2 RAISED CROSSWALK DETAIL

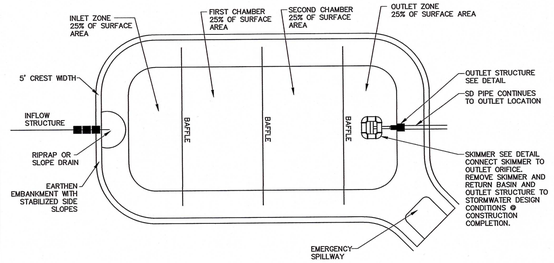
BAFFLE MAINTENANCE NOTES:

1.) INSPECT BAFFLES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
2.) BE SURE TO MAINTAIN ACCESS TO THE BAFFLES. SHOULD THE FABRIC OF A BAFFLE COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY.
3.) REMOVE SEDIMENT DEPOSITS WHEN IT REACHES HALF FULL, TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE BAFFLES. TAKE CARE TO AVOID DAMAGING THE BAFFLES DURING CLEANOUT, AND REPLACE IF DAMAGED DURING CLEANOUT OPERATIONS. SEDIMENT DEPTH SHOULD NEVER EXCEED HALF THE DESIGNED STORAGE DEPTH.
4.) AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED, REMOVE ALL BAFFLE MATERIALS AND UNSTABLE SEDIMENT DEPOSITS, BRING THE AREA TO GRADE, AND STABILIZE IT.



NOTE: INSTALL THREE (3) COIR FIBER BAFFLES IN BASINS AT DRAINAGE OUTLETS WITH A SPACING OF 1/4 THE BASIN LENGTH. TWO (2) COIR FIBER BAFFLES CAN BE INSTALLED IN THE BASINS LESS THAN 20 FT. IN LENGTH WITH A SPACING OF 1/3 THE BASIN LENGTH.

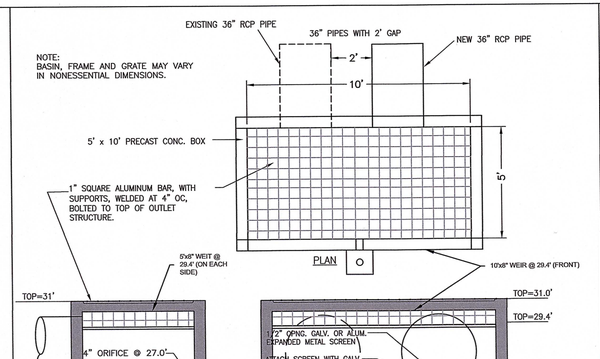
FIGURE 6.65b COIR FIBER BAFFLE DETAIL CROSS SECTION OF A POROUS BAFFLE IN A SEDIMENT BASIN.



POROUS BAFFLES IN A SEDIMENT BASIN. THE FLOW IS DISTRIBUTED EVENLY ACROSS THE BASIN TO REDUCE FLOW RATES AND TURBULENCE, RESULTING IN GREATER SEDIMENT RETENTION.

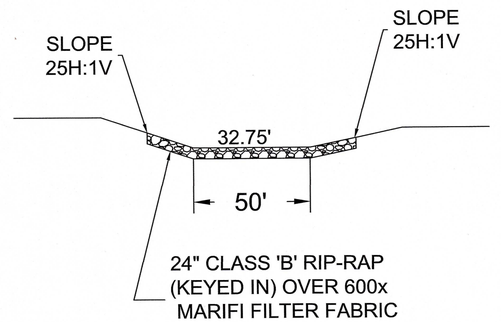
NOTE: SEE GRADING PLAN FOR BAFFLE LOCATIONS.

6 BAFFLE DETAIL



NOT TO SCALE

3 SW POND OUTLET STRUCTURE



24" CLASS 'B' RIP-RAP (KEYED IN) OVER 600x MARIFI FILTER FABRIC OR EQUAL

NOTE: POND CONTOURS ARE TO BE RESTORED TO DESIGN CONDITIONS ONCE THE SITE IS STABLE AND NO LONGER AN EROSION CONTROL SITE.

4 50' EMERGENCY SPILLWAY

SKIMMER MAINTENANCE NOTES:

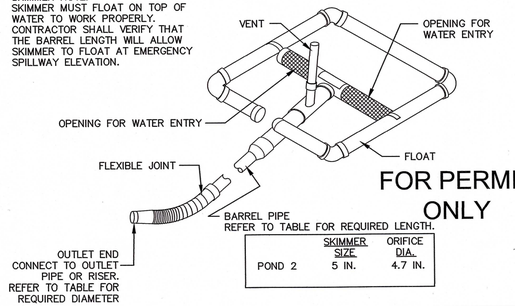
1. INSPECT SKIMMER SEDIMENT BASINS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (ON–HALF INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY.

2. IF THE SKIMMER IS CLOGGED WITH TRASH AND THERE IS WATER IN THE BASIN, USUALLY JERKING ON THE ROPE WILL MAKE THE SKIMMER BOB UP AND DOWN AND DISLODGE THE DEBRIS AND RESTORE FLOW. IF THIS DOES NOT WORK, PULL THE SKIMMER OVER TO THE SIDE OF THE BASIN AND REMOVE THE DEBRIS, ALSO CHECK THE ORIFICE INSIDE THE SKIMMER TO SEE IF IT IS CLOGGED; IF SO REMOVE THE DEBIS.

3. IF THE SKIMMER ARM OR BARREL PIPE IS CLOGGED, THE ORIFICE CAN BE REMOVED AND THE OBSTRUCTION CLEARED WITH A PLUMBER'S SNAKE OR BY FLUSHING WITH WATER. BE SURE AND REPLACE THE ORIFICE BEFORE REPOSITIONING THE SKIMMER.

4. FREEZING WEATHER CAN RESULT IN ICE FORMING IN THE BASIN. SOME SPECIAL PRECAUTIONS SHOULD BE TAKEN IN THE WINTER TO PREVENT THE SKIMMER FROM PLUGGING WITH ICE.

SKIMMER NOTE:
SKIMMER MUST FLOAT ON TOP OF WATER TO WORK PROPERLY. CONTRACTOR SHALL VERIFY THAT THE BARREL LENGTH WILL ALLOW SKIMMER TO FLOAT AT EMERGENCY SPILLWAY ELEVATION.



	SKIMMER SIZE	ORIFICE DIA.
POND 2	5 IN.	4.7 IN.

FOR PERMIT ONLY

7 STANDARD SKIMMER DETAIL

NOTES & DETAILS
BRUNSWICK COUNTY HEALTH & HUMAN SERVICES
67 GOVERNMENT CENTER DR NE
BOLIVIA, NC 28422

OWNER/DEVELOPER
STEVE STONE, COUNTY MANAGER
BRUNSWICK COUNTY
P.O. BOX 249
BOLIVIA, NC 28422
910-253-2015
steve.stone@brunswickcountync.gov

Tunstall Consulting Engineers PLLC
2602 IRON GATE DR., SUITE 102
WILMINGTON, NC 28412
PHONE (910) 343-9633
LICENSE# P-3152

25001

DES. JST
CKD. TJC
DRWN. MWA

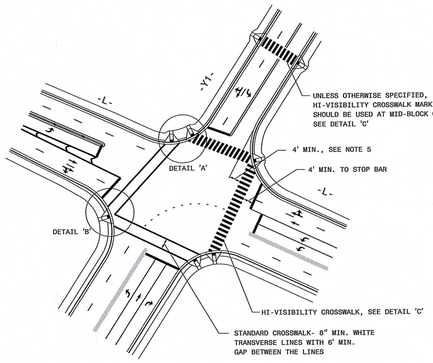
DATE 04–01–26

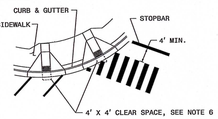
NORTH CAROLINA PROFESSIONAL SEAL 19851 ENGINEER JOHN S. TUNSTALL

C7.3

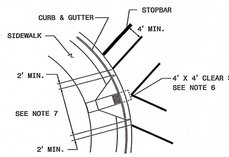
C:\Users\Thomas\AppData\Local\Temp\AcPublish_38788\25001 DETAIL SHEETS.dwg (C7.3–BC) Plotted on: Apr 02, 2026 – 12:13pm by Thomas

CROSSWALK PLACEMENT GUIDANCE

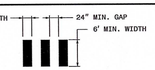




DETAIL 'A'- DUAL CURB RAMPS



DETAIL 'B'- SINGLE DIAGONAL CURB RAMP



DETAIL 'C'- HI-VISIBILITY CROSSWALK

GENERAL NOTES:

1- USE THE DETAILS ABOVE AND THE FOLLOWING NOTES FOR GUIDANCE IN PLACING CROSSWALK MARKINGS. REFER TO NCDOT ROADWAY STANDARD DRAWINGS, MUTCD AND ADA STANDARDS FOR ADDITIONAL GUIDANCE.

2- THE LOCATION AND TYPE OF CROSSWALK MARKINGS SHOWN ON THE ABOVE DETAILS ARE FOR REFERENCE ONLY. LOCATE CROSSWALK MARKINGS AS SHOWN ON THE PROJECT DETAIL SHEETS OR AS DIRECTED BY THE ENGINEER. THE CROSSWALK MARKING TYPE, STANDARD OR HI-VISIBILITY, SHALL BE INSTALLED AS SPECIFIED ON THE PROJECT DETAIL SHEETS OR AS DIRECTED BY THE ENGINEER.

3- THE STANDARD CROSSWALK IS TWO WHITE 8" MIN. TRANSVERSE LINES WITH A 6' MIN. GAP BETWEEN THE LINES. THE HI-VISIBILITY CROSSWALK IS WHITE 24" MAX. WIDE LONGITUDINAL LINES WITH 24" MIN. GAPS BETWEEN LINES, SEE DETAIL 'C'. HI-VISIBILITY CROSSWALKS SHOULD BE A MINIMUM OF 6' WIDE. CURB RAMPS SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS, EXCLUDING ANY FLARES.

4- STOP BARS SHOULD BE PLACED A 4' MIN. IN ADVANCE OF NEAREST CROSSWALK LINE.

5- SET BACK DISTANCE FROM INSIDE CROSSWALK MARKING TO NEAREST EDGE OF TRAVEL IS 4' MIN.

6- BEYOND THE BOTTOM GRADE BREAK, A CLEAR SPACE OF 4' X 4' MIN. SHALL BE PROVIDED WITHIN THE MARKINGS.

7- SINGLE DIAGONAL CURB RAMPS WITH FLARED SIDES SHALL HAVE A SEGMENT OF CURB 2' MIN. LONG LOCATED ON EACH SIDE OF THE CURB RAMP AND WITHIN THE MARKED CROSSING, SEE DETAIL 'B'.

8- CURB RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE TO THE LATEST NCDOT ROADWAY STANDARD DRAWINGS. CURB RAMPS THROUGH MEDIAN ISLANDS, SINGLE RAMPS AT DUAL CROSSWALKS OR LIMITED R/W SITUATIONS, WILL BE HANDLED BY SPECIAL DETAILS. CONTACT THE CONTRACT STANDARDS AND DEVELOPMENT UNIT FOR DETAILS OR A SPECIAL DESIGN.

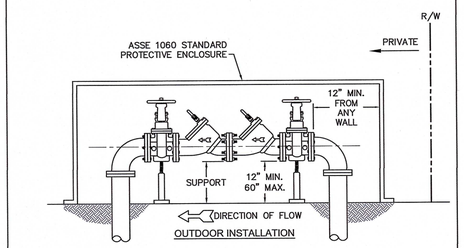
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

1-24

ROADWAY STANDARD DRAWING FOR
PAVEMENT MARKINGS
PEDESTRIAN CROSSWALKS

SHEET 1 OF 2
1205.07

1 NCDOT CROSSWALK PAVEMENT MARKING DETAIL



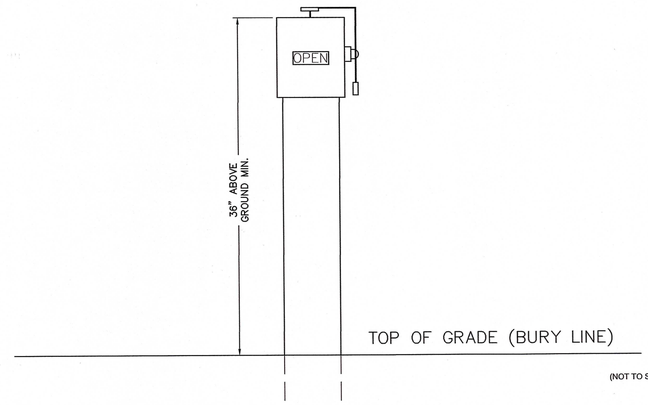
(NOT TO SCALE)

NOTES:
1. MUST BE MIN. 36" AWAY FROM ANY ELECTRICAL PANEL.
2. VALVE REQUIRED DOWNSTREAM OF BACKFLOW ASSEMBLY.
3. VERTICAL INSTALLATION SHALL BE DESIGNED AND SUBMITTED TO CFPUA EMD FOR APPROVAL.
4. LOCATE AS CLOSE TO THE RIGHT-OF-WAY AS POSSIBLE.
5. INDOOR INSTALLATIONS MUST BE APPROVED BY BRUNSWICK COUNTY.
6. ONLY IN-LINE TESTABLE ASSEMBLIES APPROVED BY THE USC FOUNDATION FOR CROSS CONNECTION CONTROL OR ASSE SHALL BE ACCEPTED.

DOUBLE CHECK VALVE ASSEMBLY (TYPICAL)

2 DOUBLE CHECK VALVE ASSEMBLY (TYPICAL)

NOTES:
1. PIV TO BE LOCATED MINIMUM OF 2' BEHIND CURB FOR PROTECTION. BOLLARDS MAY BE REQUIRED FOR ADDITIONAL PROTECTION.
2. PIV TO BE APPROVED BY BRUNSWICK COUNTY FIRE PRIOR TO INSTALLATION.



(NOT TO SCALE)

POST INDICATOR VALVE DETAIL (TYP)

TCE

3 POST INDICATOR VALVE

FOR PERMIT ONLY

NOTES & DETAILS

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES
67 GOVERNMENT CENTER DR NE
BOLIVIA, NC 28422

OWNER/DEVELOPER
STEVE STONE, COUNTY MANAGER
BRUNSWICK COUNTY
P.O. BOX 249
BOLIVIA, NC 28422
910-253-2015
steve.stone@brunswickcountync.gov

Tunstall Consulting Engineers PLLC
2602 IRON GATE DR., SUITE 102
WILMINGTON, NC 28412
PHONE (910) 343-9653

LICENSE# P-3152

25001

DES. JST
CKD. TJC
DRWN. MWA

DATE 04-01-26

NORTH CAROLINA PROFESSIONAL SEAL 19851 ENGINEER JOHN S. TUNSTALL

C7.4

C:\Users\Thomas\AppData\Local\Temp\AcPublish_38768\25001 DETAIL SHEETS.dwg (C7.4-BC) Plotted on: Apr 02, 2026 - 12:13pm by Thomas

GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT

Implementing the details and specifications on this plan sheet will result in the construction activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections E and F, respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

SECTION E: GROUND STABILIZATION

Required Ground Stabilization Timeframes		
Site Area Description	**Stabilize within this many calendar days after ceasing land disturbance**	**Timeframe variations**
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None
(b) High Quality Water (HQW) Zones	7	None
(c) Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed
(d) Slopes 3:1 to 4:1	14	-7 days for slopes greater than 50' in length and with slopes steeper than 4:1 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed
(e) Areas with slopes flatter than 4:1	14	-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed unless there is zero slope

Note: After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

GROUND STABILIZATION SPECIFICATION

Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the techniques in the table below:

Temporary Stabilization	Permanent Stabilization
• Temporary grass seed covered with straw or other mulches and tackifiers • Hydroseeding • Rolled erosion control products with or without temporary grass seed • Appropriately applied straw or other mulch • Plastic sheeting	• Permanent grass seed covered with straw or other mulches and tackifiers • Geotextile fabrics such as permanent soil reinforcement matting • Hydroseeding • Shrubs or other permanent plantings covered with mulch • Uniform and evenly distributed ground cover sufficient to restrain erosion • Structural methods such as concrete, asphalt or retaining walls • Rolled erosion control products with grass seed

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS

1. Select flocculants that are appropriate for the soils being exposed during construction, selecting from the *NC DWR List of Approved PAMS/Flocculants*.
2. Apply flocculants at or before the inlets to Erosion and Sediment Control Measures.
3. Apply flocculants at the concentrations specified in the *NC DWR List of Approved PAMS/Flocculants* and in accordance with the manufacturer's instructions.
4. Provide ponding area for containment of treated Stormwater before discharging offsite.
5. Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

EQUIPMENT AND VEHICLE MAINTENANCE

1. Maintain vehicles and equipment to prevent discharge of fluids.
2. Provide drip pans under any stored equipment.
3. Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
4. Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
5. Remove leaking vehicles and construction equipment from service until the problem has been corrected.
6. Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials.

LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE

1. Never bury or burn waste. Place litter and debris in approved waste containers.
2. Provide a sufficient number and size of waste containers (e.g dumpster, trash receptacle) on site to contain construction and domestic wastes.
3. Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
4. Locate waste containers on areas that do not receive substantial amounts of runoff from upland areas and does not drain directly to a storm drain, stream or wetland.
5. Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
6. Anchor all lightweight items in waste containers during times of high winds.
7. Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
8. Dispose waste off-site at an approved disposal facility.
9. On business days, clean up and dispose of waste in designated waste containers.

PAINT AND OTHER LIQUID WASTE

1. Do not dump paint and other liquid waste into storm drains, streams or wetlands.
2. Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
3. Contain liquid wastes in a controlled area.
4. Containment must be labeled, sized and placed appropriately for the needs of site.
5. Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

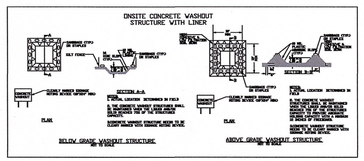
PORTABLE TOILETS

1. Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or place on a gravel pad and surround with sand bags.
2. Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
3. Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.

EARTHEN STOCKPILE MANAGEMENT

1. Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably available.
2. Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
3. Provide stable stone access point when feasible.
4. Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated erosion on disturbed soils for temporary or permanent control needs.

NORTH CAROLINA *Environmental Quality*



CONCRETE WASHOUTS

1. Do not discharge concrete or cement slurry from the site.
2. Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
3. Manage washout from mortar mixers in accordance with the above item and in addition place the mixer and associated materials on impervious barrier and within lot perimeter silt fence.
4. Install temporary concrete washouts per local requirements, where applicable. If an alternate method or product is to be used, contact your approval authority for review and approval. If local standard details are not available, use one of the two types of temporary concrete washouts provided on this detail.
5. Do not use concrete washouts for dewatering or storing defective curb or sidewalk sections. Stormwater accumulated within the washout may not be pumped into or discharged to the storm drain system or receiving surface waters. Liquid waste must be pumped out and removed from project.
6. Locate washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. At a minimum, install protection of storm drain inlet(s) closest to the washout which could receive spills or overflow.
7. Locate washouts in an easily accessible area, on level ground and install a stone entrance pad in front of the washout. Additional controls may be required by the approving authority.
8. Install at least one sign directing concrete trucks to the washout within the project limits. Post signage on the washout itself to identify this location.
9. Remove leavings from the washout when at approximately 75% capacity to limit overflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When utilizing alternative or proprietary products, follow manufacturer's instructions.
10. At the completion of the concrete work, remove remaining leavings and dispose of in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.

HERBICIDES, PESTICIDES AND RODENTICIDES

1. Store and apply herbicides, pesticides and rodenticides in accordance with label instructions.
2. Store herbicides, pesticides and rodenticides in their original containers with the label, which lists directions for use, ingredients and first aid steps in case of accidental poisoning.
3. Do not store herbicides, pesticides and rodenticides in areas where flooding is possible or where they may spill or leak into wells, stormwater drains, ground water or surface water. If a spill occurs, clean area immediately.
4. Do not stockpile these materials onsite.

HAZARDOUS AND TOXIC WASTE

1. Create designated hazardous waste collection areas on-site.
2. Place hazardous waste containers under cover or in secondary containment.
3. Do not store hazardous chemicals, drums or bagged materials directly on the ground.

NCG01 GROUND STABILIZATION AND MATERIALS HANDLING

EFFECTIVE: 04/01/19

EROSION CONTROL NOTES AND MAINTENANCE PLAN:

1. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF—PRODUCING RAINFALL, BUT IN NO CASE, LESS THAN ONCE EVERY WEEK AND WITHIN 24 HOURS OF EVERY HALF—INCH RAINFALL.
2. ALL POINTS OF EGRESS WILL HAVE CONSTRUCTION ENTRANCES THAT WILL BE PERIODICALLY TOP—DRESSED WITH AN ADDITIONAL 2 INCHES OF #4 STONE TO MAINTAIN PROPER DEPTH. THEY WILL BE MAINTAINED IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE SITE. IMMEDIATELY REMOVE OBJECTIONABLE MATERIAL SPILLED WASHED OR TRACKED ONTO THE CONSTRUCTION ENTRANCE OR ROADWAYS.
3. SEDIMENT WILL BE REMOVED FROM HARDWARE CLOTH AND GRAVEL INLET PROTECTION, BLOCK AND GRAVEL INLET PROTECTION, ROCK DOUGHNUT INLET PROTECTION AND ROCK PIPE INLET PROTECTION WHEN THE DESIGNED STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS AS DESIGNED. DEBRIS WILL BE REMOVED FROM THE ROCK AND HARDWARE CLOTH TO ALLOW PROPER DRAINAGE. SILT SACKS WILL BE EMPTIED ONCE A WEEK AND AFTER EVERY RAIN EVENT. SEDIMENT WILL BE REMOVED FROM AROUND WATTLES, BEAVER DAMS, DANDY SACKS AND SOCKS ONCE A WEEK AND AFTER EVERY RAIN EVENT.
4. DIVERSION DITCHES WILL BE CLEANED OUT IMMEDIATELY TO REMOVE SEDIMENT OR OBSTRUCTIONS FROM THE FLOW AREA. THE DIVERSION RIDGES WILL ALSO BE REPAIRED. SWALES MUST BE TEMPORARILY STABILIZED WITHIN 21 CALENDAR DAYS OF CEASE OF ANY PHASE OF ACTIVITY ASSOCIATED WITH A SWALE.
5. SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES HALF FILLED. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER. STAKES MUST BE STEEL. STAKE SPACING WILL BE 6 FEET MAX. WITH THE USE OF EXTRA STRENGTH FABRIC, WITHOUT WIRE BACKING. STAKE SPACING WILL BE 8 FEET MAX. WHEN STANDARD STRENGTH FABRIC AND WIRE BACKING ARE USED. IF ROCK FILTERS ARE DESIGNED AT LOW POINTS IN THE SEDIMENT FENCE THE ROCK WILL BE REPAIRED OR REPLACED IF IT BECOMES HALF—FULL OF SEDIMENT, NO LONGER DRAINS AS DESIGNED OR IS DAMAGED.
6. SEDIMENT WILL BE REMOVED FROM SEDIMENT TRAPS WHEN THE DESIGNED STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. THE ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS OR WHEN THE ROCK IS DISLODGED. BAFFLES WILL BE REPAIRED OR REPLACED IF THEY COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE. THEY WILL BE REPLACED PROMPTLY. SEDIMENT WILL BE REMOVED WHEN DEPOSITS REACH HALF THE HEIGHT OF THE 1ST BAFFLE. FLOATING SKIMMERS WILL BE INSPECTED AND KEPT CLEAN WEEKLY.
7. SEDIMENT WILL BE REMOVED FROM THE SEDIMENT BASIN WHEN THE DESIGN STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS OR IF THE ROCK IS DISLODGED. BAFFLES WILL BE REPAIRED OR REPLACED IF THEY COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE. THEY WILL BE REPLACED PROMPTLY. SEDIMENT WILL BE REMOVED FROM BAFFLES WHEN DEPOSITS REACH HALF THE HEIGHT OF THE 1ST BAFFLE. FLOATING SKIMMERS WILL BE INSPECTED WEEKLY AND WILL BE KEPT CLEAN.
8. LAND QUALITY REQUIRES:
ALL SEEDED AREAS WILL BE FERTILIZED, RESEEDED AS NECESSARY, AND MULCHED, ACCORDING TO SPECIFICATIONS IN THE VEGETATIVE PLAN, TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER. ALL SLOPES WILL BE STABILIZED WITHIN 21 CALENDAR DAYS. ALL OTHER AREAS WILL BE STABILIZED WITHIN 15 WORKING DAYS.
WATER QUALITY REQUIRES:
ALL SEEDED AREAS WILL BE FERTILIZED, RESEEDED AS NECESSARY AND MULCHED ACCORDING TO SPECIFICATIONS IN THE VEGETATIVE PLAN TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER. ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES, ALL SLOPES STEEPER THAN 3' HORIZONTAL TO 1' VERTICAL (3:1) AND ALL HIGH QUALITY WATER (HQW) ZONES SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN SEVEN (7) CALENDAR DAYS FROM THE LAST LAND—DISTURBING ACTIVITY. ALL OTHER DISTURBED AREAS SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 14 CALENDAR DAYS FROM THE LAST LAND—DISTURBING ACTIVITY.
9. FLOCCULANTS WILL BE USED TO ADDRESS TURBIDITY ISSUES. THE PUMPS, TANKS, HOSES AND INJECT SYSTEMS WILL BE CHECKED FOR PROBLEMS OR TURBID DISCHARGES DAILY.
10. BASIN OUTLET STRUCTURES AND SKIMMERS SHALL WITHDRAW WATER FROM THE SURFACE.
11. CONCRETE WASHOUTS SHOULD BE INSPECTED DAILY AND AFTER HEAVY RAINS. DAMAGES SHOULD BE REPAIRED PROMPTLY. IF FILLED TO OVER 75% CAPACITY WITH RAIN WATER IT SHOULD BE VACUUMED OR ALLOWED TO EVAPORATE TO AVOID OVERFLOWS. BEFORE HEAVY RAINS THE CONTAINERS LIQUID LEVEL SHOULD BE LOWERED OR THE CONTAINER COVERED TO AVOID AN OVER FLOW DURING RAIN. WHEN SOLIDS HAVE HARDENED THEY SHOULD BE REMOVED AND RECYCLED.

TEMPORARY SEEDING RECOMMENDATIONS FOR FALL

SEEDING MIXTURE

SPECIES	RATE (lb/acre)	(lb/1000 sf)
RYE (GRAIN)	120	2.75

SEEDING DATES:
MOUNTAINS – AUG. 15 – DEC. 15
COASTAL PLAIN AND PIEDMONT – AUG. 15 – DEC. 15
SOIL AMENDMENTS:
FOLLOW SOIL TEST OR APPLY 2,000 lb/acre GROUND AGRICULTURAL LIMESTONE AND 1,000 lb/acre 10–10–10 FERTILIZER.
MULCH:
APPLY 4,000 lb/acre STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.
MAINTENANCE:
REPAIR AND REFERTILIZE DAMAGE AREAS IMMEDIATELY. TOP DRESS WITH 50 lb/acre OF NITROGEN IN MARCH, IF IT IS NECESSARY TO EXTEND TEMPORARY COVER BEYOND JUNE 15, OVERSEED WITH 50 lb/acre KOBE (PIEDMONT AND COASTAL PLAIN) OR KOREAN (MOUNTAINS) LESPEDEZA IN LATE FEBRUARY OR EARLY MARCH.

TEMPORARY SEEDING RECOMMENDATIONS FOR SUMMER

SEEDING MIXTURE

SPECIES	RATE (lb/acre)	(lb/1000 sf)
GERMAN MILLET	40	0.92

IN THE PIEDMONT AND MOUNTAINS, A SMALL–STEMMED SUDANGRASS MAY BE SUBSTITUTED AT A RATE OF 50 lb/acre.

SEEDING DATES:
MOUNTAINS – MAY 15 – AUG. 15
PIEDMONT – MAY 1 – AUG. 15
COASTAL PLAIN – APR. 15 – AUG. 15
SOIL AMENDMENTS:
FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 lb/acre GROUND AGRICULTURAL LIMESTONE AND 750 lb/acre 10–10–10 FERTILIZER.
MULCH:
APPLY 4,000 lb/acre STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.
MAINTENANCE:
REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

TEMPORARY SEEDING RECOMMENDATIONS FOR LATE WINTER AND EARLY SPRING

SEEDING MIXTURE

SPECIES	RATE (lb/acre)	(lb/1000 sf)
RYE (GRAIN)	120	2.75
ANNUAL LESPEDEZA (KOBE IN PIEDMONT AND COASTAL PLAIN, KOREAN IN MOUNTAINS)	50	1.15

OMIT ANNUAL LESPEDEZA WHEN DURATION OF TEMPORARY COVER IS NOT TO EXTEND BEYOND JUNE.

SEEDING DATES:
MOUNTAINS – ABOVE 2,500 FEET: FEB. 15 – MAY 15
BELOW 2,500 FEET: FEB. 1 – MAY 1
PIEDMONT – JAN. 1 – MAY 1
COASTAL PLAIN – DEC. 1 – APRIL 15
SOIL AMENDMENTS:
FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 lb/acre GROUND AGRICULTURAL LIMESTONE AND 750 lb/acre 10–10–10 FERTILIZER.
MULCH:
APPLY 4,000 lb/acre STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.
MAINTENANCE:
REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

PERMANENT SEEDING RECOMMENDATIONS FOR FALL AND EARLY SPRING

SEEDING MIXTURE

SPECIES		
TALL FESCUE	80	1.84
PENSACOLA BAHIAGRASS	50	1.15
SERICEA LESPEDEZA	30	0.69
KOBE LESPEDEZA	10	0.23

SEEDING NOTES:
1. FROM SEPT. 1 THRU MAR. 1, USE UNSCARIFIED SERICEA SEED.
2. ON POORLY DRAINED SITES OMIT SERICEA AND INCREASE KOBE TO 30 lbs/acre.
3. WHERE A NEAT APPEARANCE IS DESIRED, OMIT SERICEA AND INCREASE KOBE TO 40 lbs/acre.

NURSE PLANTS
MILLET OR 15 lbs/acre SUDANGRASS. PRIOR TO MAY 1 OR AFTER AUG. 15 ADD 25 lbs/acre RYE (GRAIN).

SEEDING DATES
EARLY SPRING: FEB 15–MAR. 20 FEB.15–APR. 30
FALL: SEPT. 1–SEPT. 30 SEPT. 1–OCT. 31
SOIL AMENDMENTS
APPLY LIME AND FERTILIZE ACCORDING TO SOIL TESTS, OR APPLY 3,000–5,000 lbs/acre (68.9–114.8 lbs/1,000 sf) GROUND AGRICULTURAL LIMESTONE (USE THE LOWER RATE ON SANDY SOILS) AND 1,000 lbs/acre (22.9 lbs/1,000 sf) 10–10–10 FERTILIZER.
MULCH:
APPLY 4,000 lb/acre (91.8 lbs/1,000 sf) GRAIN STRAW OR EQUIVALENT COVER OF ANOTHER SUITABLE MULCH. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR ROVING OR BY CRIMPING WITH A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.
MAINTENANCE
IF GROWTH IS LESS THAN FULLY ADEQUATE, REFERTILIZE IN THE SECOND YEAR, ACCORDING TO SOIL TESTS OR TOPDRESS WITH 500 lbs/acre (11.5 lbs/1,000 sf) 10–10–10 FERTILIZER. MOW AS NEEDED WHEN SERICEA IS OMITTED FROM THE MIXTURE. RESEED, FERTILIZE, AND MULCH DAMAGED AREAS IMMEDIATELY.

PERMANENT SEEDING RECOMMENDATIONS FOR LATE SPRING AND EARLY SUMMER

SEEDING MIXTURE

SPECIES		
PENSACOLA BAHIAGRASS	50	1.15
SERICEA LESPEDEZA	30	0.69
COMMON BERMUDA	10	0.23
GERMAN MILLET	10	0.23

SEEDING NOTES:
1. WHERE A NEAT APPEARANCE IS DESIRED, OMIT SERICEA.
2. USE COMMON BERMUDAGRASS ONLY ON ISOLATED SITES WHERE IT CANNOT BECOME A PEST. BERMUDAGRASS MAY BE REPLACED WITH 5 lbs/acre CENTIPEDEGRASS.

SEEDING DATES
APRIL 1–JULY 15
SOIL AMENDMENTS
APPLY LIME AND FERTILIZE ACCORDING TO SOIL TESTS, OR APPLY 3,000 lbs/acre (68.9 lbs/1,000 sf) GROUND AGRICULTURAL LIMESTONE AND 500 lbs/acre (11.5 lbs/1,000 sf) 10–10–10 FERTILIZER.
MULCH:
APPLY 4,000 lb/acre (91.8 lbs/1,000 sf) GRAIN STRAW OR EQUIVALENT COVER OF ANOTHER SUITABLE MULCH. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR ROVING OR BY CRIMPING WITH A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.
MAINTENANCE
REFERTILIZE THE FOLLOWING APRIL WITH 50 lbs/acre (1.15 lbs/1,000 sf)

NCG01 PART II: SECTION G: OPERATION AND MAINTENANCE

1. Modifications to the E&SC Plan

Modifications to the approved E&SC plan that require changes to the E&SC measure designs, the drainage areas, or the disturbed areas draining to E&SC measures shall be approved by the E&SC plan authority. Deviations from the approved E&SC plan, or approved revised E&SC plan, shall constitute a violation of this permit unless the deviation is to correct an emergency situation where sediment is being discharged off the site. The E&SC plan authority may allow deviations from the E&SC plan on a case-by-case basis if the deviations are minor adjustments to address minor deficiencies. A minor adjustment shall be the addition of E&SC measures (e.g., silt fence, inlet protection, stormwater management and sediment control onsite. Minor adjustments shall be noted on the approved E&SC plan and maintained at the job site.

2. Operation and Maintenance

The permittee shall install and maintain all temporary and permanent E&SC measures as required by this permit and the approved E&SC plan.

3. Corrective Actions

If self-inspections required by this permit identify a need for maintenance of control measures, modifications or additions to control measures, or corrective actions to control sediment or other pollutants, these actions shall be performed as soon as possible considering adverse weather and site conditions.

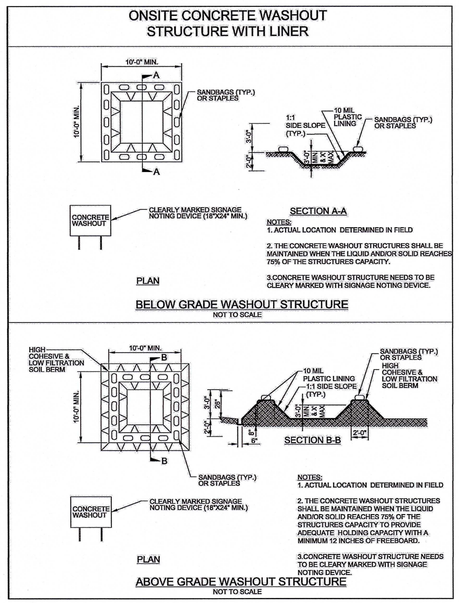
4. Draw Down of Sediment Basins for Maintenance or Close Out

Sediment basins and traps that receive runoff from drainage areas of one acre or more shall use outlet structures that withdraw water from the surface when these devices need to be drawn down for maintenance or close out unless this is infeasible. The circumstances in which it is not feasible to withdraw water from the surface shall be rare (for example, times with extended cold weather). Non-surface withdrawals from sediment basins shall be allowed only when all of the following criteria have been met:

a) The E&SC Plan authority has been provided with documentation of the non-surface withdrawal and the specific time periods or conditions in which it will occur. The non-surface withdrawal shall not commence until the E&SC plan authority has approved these items,
b) The non-surface withdrawal has been reported as an anticipated bypass in accordance with Part III, Section C, Item (Z)(c) and (d) of this permit,
c) Dewatering discharges are treated with controls to minimize discharges of pollutants from stormwater that is removed from the sediment basin. Examples of appropriate controls include properly sited, designed and maintained dewatering tanks, weir tanks, and filtration systems,
d) Vegetated, upland areas of the sites or a properly designed stone pad is used to the extent feasible at the outlet of the dewatering treatment devices described in Item(c) *above,*
e) Velocity dissipation devices such as check dams, sediment traps, and riprap are provided at the discharge points of all dewatering devices, and
f) Sediment removed from dewatering treatment devices described in Item(c) *above* is disposed of in a manner that does not cause deposition of sediment into waters of the United States.

5. Bypass of E&SC Measures

Diversions of stormwater from E&SC measures ***when the design storm has not been exceeded*** are not allowed. Bypasses of E&SC measures shall be reported in accordance with Part III, Section C, Item (Z)(c) and (d) of this permit.



NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING

EFFECTIVE: 04/01/19

PART III
SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION A: SELF-INSPECTION

Self-inspections are required during normal business hours in accordance with the table below. When adverse weather or site conditions would cause the safety of the inspection personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection. In addition, when a storm event of equal to or greater than 1.0 inch occurs outside of normal business hours, the self-inspection shall be performed upon the commencement of the next business day. Any time when inspections were delayed shall be noted in the Inspection Record.

Inspect	Frequency (during normal business hours)	Inspection records must include:
(1) Rain gauge maintained in good working order	Daily	Daily rainfall amounts. If no daily rain gauge observations are made during weekend or holiday periods, and no individual-day rainfall information is available, record the cumulative rain measurement for those un-attended days (and this will determine if a site inspection is needed). Days on which no rainfall occurred shall be recorded as "zero." The permittee may use another rain-monitoring device approved by the Division.
(2) E&SC Measures	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	1. Identification of the measures inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Indication of whether the measures were operating properly, 5. Description of maintenance needs for the measure, 6. Description, evidence, and date of corrective actions taken.
(3) Stormwater discharge outfalls (SDOs)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	1. Identification of the discharge outfalls inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration, 5. Indication of visible sediment leaving the site, 6. Description, evidence, and date of corrective actions taken.
(4) Perimeter of site	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	If visible sedimentation is found outside site limits, then a record of the following shall be made: 1. Actions taken to clean up or stabilize the sediment that has left the site limits, 2. Description, evidence, and date of corrective actions taken, and 3. An explanation as to the actions taken to control future releases.
(5) Streams or wetlands onsite or offsite (where accessible)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	If the stream or wetland has increased visible sedimentation or a stream has visible increased turbidity from the construction activity, then a record of the following shall be made: 1. Description, evidence and date of corrective actions taken, and 2. Records of the required reports to the appropriate Division Regional Office per Part III, Section C, Item (2)(a) of this permit of this permit.
(6) Ground stabilization measures	After each phase of grading	1. The phase of grading (installation of perimeter E&SC measures, clearing and grubbing, installation of storm drainage facilities, completion of all land-disturbing activity, construction of redevelopment, permanent ground cover). 2. Documentation that the required ground stabilization measures have been provided within the required timeframe or an assurance that they will be provided as soon as possible.

NOTE: The rain inspection resets the required 7 calendar day inspection requirement.

PART III
SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION B: RECORDKEEPING

1. E&SC Plan Documentation

The approved E&SC plan as well as any approved deviation shall be kept on the site. The approved E&SC plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&SC plan shall be documented in the manner described:

Item to Document	Documentation Requirements
(a) Each E&SC Measure has been installed and does not significantly deviate from the locations, dimensions and relative elevations shown on the approved E&SC Plan.	Initial and date each E&SC Measure on a copy of the approved E&SC Plan or complete, date and sign an inspection report that lists each E&SC Measure shown on the approved E&SC Plan. This documentation is required upon the initial installation of the E&SC Measures or if the E&SC Measures are modified after initial installation.
(b) A phase of grading has been completed.	Initial and date a copy of the approved E&SC Plan or complete, date and sign an inspection report to indicate completion of the construction phase.
(c) Ground cover is located and installed in accordance with the approved E&SC Plan.	Initial and date a copy of the approved E&SC Plan or complete, date and sign an inspection report to indicate compliance with approved ground cover specifications.
(d) The maintenance and repair requirements for all E&SC Measures have been performed.	Complete, date and sign an inspection report.
(e) Corrective actions have been taken to E&SC Measures.	Initial and date a copy of the approved E&SC Plan or complete, date and sign an inspection report to indicate the completion of the corrective action.

2. Additional Documentation

In addition to the E&SC Plan documents above, the following items shall be kept on the site

and available for agency inspectors at all times during normal business hours, unless the Division provides a site-specific exemption based on unique site conditions that make this requirement not practical:

(a) This general permit as well as the certificate of coverage, after it is received.

(b) Records of inspections made during the previous 30 days. The permittee shall record the required observations on the Inspection Record Form provided by the Division or a similar inspection form that includes all the required elements. Use of electronically-available records in lieu of the required paper copies will be allowed if shown to provide equal access and utility as the hard-copy records.

(c) All data used to complete the Notice of Intent and older inspection records shall be maintained for a period of three years after project completion and made available upon request. [40 CFR 122.41]

PART III
SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION C: REPORTING

1. Occurrences that must be reported

Permittees shall report the following occurrences:

(a) Visible sediment deposition in a stream or wetland.

(b) Oil spills if:
- They are 25 gallons or more,
- They are less than 25 gallons but cannot be cleaned up within 24 hours,
- They cause sheen on surface waters (regardless of volume), or
- They are within 100 feet of surface waters (regardless of volume).

(a) Releases of hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA (Ref: 40 CFR 302.4) or G.S. 143-215.85.

(b) Anticipated bypasses and unanticipated bypasses.

(c) Noncompliance with the conditions of this permit that may endanger health or the environment.

2. Reporting Timeframes and Other Requirements

After a permittee becomes aware of an occurrence that must be reported, he shall contact the appropriate Division regional office within the timeframes and in accordance with the other requirements listed below. Occurrences outside normal business hours may also be reported to the Division's Emergency Response personnel at (800) 662-7956, (800) 858-0368 or (919) 733-3300.

Occurrence	Reporting Timeframes (After Discovery) and Other Requirements
(a) Visible sediment deposition in a stream or wetland	• ***Within 24 hours,*** an oral or electronic notification. • ***Within 7 calendar days,*** a report that contains a description of the sediment and actions taken to address the cause of the deposition. Division staff may waive the requirement for a written report on a case-by-case basis. • If the stream is named on the NC 303(d) list as impaired for sediment-related causes, the permittee may be required to perform additional monitoring, inspections or apply more stringent practices if staff determine that additional requirements are needed to assure compliance with the federal or state impaired-waters conditions.
(b) Oil spills and release of hazardous substances per Item 1(b)-(c) above	• ***Within 24 hours,*** an oral or electronic notification. The notification shall include information about the date, time, nature, volume and location of the spill or release.
(c) Anticipated bypasses [40 CFR 122.41(m)(3)]	• ***A report at least ten days before the date of the bypass, if possible.*** The report shall include an evaluation of the anticipated quality and effect of the bypass.
(d) Unanticipated bypasses [40 CFR 122.41(m)(3)]	• ***Within 24 hours,*** an oral or electronic notification. • ***Within 7 calendar days,*** a report that includes an evaluation of the quality and effect of the bypass.
(e) Noncompliance with the conditions of this permit that may endanger health or the environment[40 CFR 122.41(l)(7)]	• ***Within 24 hours,*** an oral or electronic notification. • ***Within 7 calendar days,*** a report that contains a description of the noncompliance, and its causes; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time noncompliance is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. [40 CFR 122.41(l)(6). • Division staff may waive the requirement for a written report on a case-by-case basis.

NORTH CARO

EROSION CONTROL NOTES AND MAINTENANCE PLAN:

1. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL, BUT IN NO CASE, LESS THAN ONCE EVERY WEEK AND WITHIN 24 HOURS OF EVERY HALF-INCH RAINFALL.

2. ALL POINTS OF EGRESS WILL HAVE CONSTRUCTION ENTRANCES THAT WILL BE PERIODICALLY TOP-DRESSED WITH AN ADDITIONAL 2 INCHES OF #4 STONE TO MAINTAIN PROPER DEPTH. THEY WILL BE MAINTAINED IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE SITE. IMMEDIATELY REMOVE OBJECTIONABLE MATERIAL SPILLED WASHED OR TRACKED ONTO THE CONSTRUCTION ENTRANCE OR ROADWAYS.

3. SEDIMENT WILL BE REMOVED FROM HARDWARE CLOTH AND GRAVEL INLET PROTECTION, BLOCK AND GRAVEL INLET PROTECTION, ROCK DOUGHNUT INLET PROTECTION AND ROCK PIPE INLET PROTECTION WHEN THE DESIGNED STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS AS DESIGNED. DEBRIS WILL BE REMOVED FROM THE ROCK AND HARDWARE CLOTH TO ALLOW PROPER DRAINAGE. SILT SACKS WILL BE EMPTIED ONCE A WEEK AND AFTER EVERY RAIN EVENT. SEDIMENT WILL BE REMOVED FROM AROUND WATTLES, BEAVER DAMS, DANDY SACKS AND SOCKS ONCE A WEEK AND AFTER EVERY RAIN EVENT.

4. DIVERSION DITCHES WILL BE CLEANED OUT IMMEDIATELY TO REMOVE SEDIMENT OR OBSTRUCTIONS FROM THE FLOW AREA. THE DIVERSION RIDGES WILL ALSO BE REPAIRED. SWALES MUST BE TEMPORARILY STABILIZED WITHIN 21 CALENDAR DAYS OF CEASE OF ANY PHASE OF ACTIVITY ASSOCIATED WITH A SWALE.

5. SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES HALF FILLED. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER. STAKES MUST BE STEEL. STAKE SPACING WILL BE 6 FEET MAX. WITH THE USE OF EXTRA STRENGTH FABRIC, WITHOUT WIRE BACKING. STAKE SPACING WILL BE 8 FEET MAX. WHEN STANDARD STRENGTH FABRIC AND WIRE BACKING ARE USED. IF ROCK FILTERS ARE DESIGNED AT LOW POINTS IN THE SEDIMENT FENCE, THE ROCK WILL BE REPAIRED OR REPLACED IF IT BECOMES HALF-FULL OF SEDIMENT, NO LONGER DRAINS AS DESIGNED OR IS DAMAGED.

6. SEDIMENT WILL BE REMOVED FROM THE SEDIMENT BASIN WHEN THE DESIGN STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS OR IF THE ROCK IS DISLODGED. BAFFLES WILL BE REPAIRED OR REPLACED IF THEY COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE. THEY WILL BE REPLACED PROMPTLY. SEDIMENT WILL BE REMOVED FROM BAFFLES WHEN DEPOSITS REACH HALF THE HEIGHT OF THE 1ST BAFFLE. FLOATING SKIMMERS WILL BE INSPECTED WEEKLY AND WILL BE KEPT CLEAN.

7. <u>LAND QUALITY REQUIRES</u>:
ALL SEEDED AREAS WILL BE FERTILIZED, RESEEDED AS NECESSARY, AND MULCHED, ACCORDING TO SPECIFICATIONS IN THE VEGETATIVE PLAN, TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER. ALL SLOPES WILL BE STABILIZED WITHIN 21 CALENDAR DAYS. ALL OTHER AREAS WILL BE STABILIZED WITHIN 15 WORKING DAYS.
<u>WATER QUALITY REQUIRES</u>:
ALL SEEDED AREAS WILL BE FERTILIZED, RESEEDED AS NECESSARY AND MULCHED ACCORDING TO SPECIFICATIONS IN THE VEGETATIVE PLAN TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER. ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES, ALL SLOPES STEEPER THAN 3' HORIZONTAL TO 1' VERTICAL (3:1) AND ALL HIGH QUALITY WATER (HQW) ZONES SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN SEVEN (7) CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY. ALL OTHER DISTURBED AREAS SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 14 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.

8. FLOCCULANTS WILL BE USED TO ADDRESS TURBIDITY ISSUES. THE PUMPS, TANKS, HOSES AND INJECT SYSTEMS WILL BE CHECKED FOR PROBLEMS OR TURBID DISCHARGES DAILY.

9. BASIN OUTLET STRUCTURES AND SKIMMERS SHALL WITHDRAW WATER FROM THE SURFACE.

10. CONCRETE WASHOUTS SHOULD BE INSPECTED DAILY AND AFTER HEAVY RAINS. DAMAGES SHOULD BE REPAIRED PROMPTLY. IF FILLED TO OVER 75% CAPACITY WITH RAIN WATER IT SHOULD BE VACUUMED OR ALLOWED TO EVAPORATE TO AVOID OVERFLOWS. BEFORE HEAVY RAINS THE CONTAINERS LIQUID LEVEL SHOULD BE LOWERED OR THE CONTAINER COVERED TO AVOID AN OVER FLOW DURING RAIN. WHEN SOLIDS HAVE HARDENED THEY SHOULD BE REMOVED AND RECYCLED.

SITE WORK NOTES:

1. THE CONTRACTOR SHALL VISIT THE SITE TO BECOME FAMILIAR WITH FIELD CONSTRUCTION CONDITIONS.

2. CONTRACTOR SHALL COORDINATE WORK WITHIN NCDOT AND LOCAL RIGHT OF WAYS WITH PROPER AUTHORITIES AND SHALL MEET ANY REQUIREMENTS AS TO TRAFFIC CONTROL AND CONNECTION TO EXISTING STREETS.

3. CLEARING AND GRUBBING: REMOVE ALL TREES AS REQUIRED UNLESS OTHERWISE NOTED TO REMAIN, STUMPS, ROOTS, SHRUBBERY, ASPHALT, CONCRETE, STRUCTURES, BURIED UTILITIES, STORAGE TANKS, ETC. WITHIN LIMITS OF CONSTRUCTION.

4. STRIPPING: BEFORE EXCAVATING OR FILLING, REMOVE ALL TOPSOIL, WOOD, LEAVES, AND ANY OTHER UNSUITABLE MATERIAL.

5. MUCKING: REMOVE ANY SOFT, ORGANIC SILT MATERIALS AND EXISTING BURIED CONSTRUCTION DEBRIS AS REQUIRED AND FILL TO SUBGRADE ELEVATIONS WITH A CLEAN SELECT-FILL COMPACTED AS SPECIFIED.
6. DISPOSAL: CLEARED, GRUBBED, STRIPPED OR EXCAVATED SPOIL SHALL BE REMOVED FROM SITE AND DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL AND STATE CODES.

7. BORROW MATERIAL: THE CONTRACTOR SHALL FURNISH BORROW MATERIAL REQUIRED FROM OFF SITE AND OBTAIN ALL REQUIRED PERMITS ASSOCIATED WITH BORROW OPERATIONS.

8. FILL AND COMPACTION: AFTER STRIPPING THOSE AREAS DESIGNATED TO RECEIVE FILL SHOULD BE PROOFROLLED. THE TOP 8" OF SUBGRADE SHALL BE COMPACTED TO AT LEAST 98% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT. ANY AREA WHICH PUMPS OR RUTS EXCESSIVELY SHOULD BE UNDERCUT AND REPLACED WITH A CLEAN, SILTY OR CLAYEY SAND HAVING A UNIFIED SOIL CLASSIFICATION OF SP, SM, OR SC. FILL MATERIAL 5' OUTSIDE OF BUILDING AREAS SHALL THEN BE PLACED IN LAYERS NOT TO EXCEED 8" AND COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D-698) WITH THE UPPER 12 INCHES OF SUBGRADE BEING COMPACTED TO 98% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY. FILL MATERIALS WITHIN BUILDING AREAS TO A LINE OUTSIDE THE BUILDING AREAS SHALL BE PLACED IN LAYERS NOT TO EXCEED 8" AND COMPACTED TO AT LEAST 98% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D-698) WITH THE UPPER 12 INCHES OF SUBGRADE BEING COMPACTED IN 6 INCH LAYERS TO 100% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY. IN AREAS WHERE NO STRUCTURAL FILL IS TO BE PLACED THE UPPER 12 INCHES OF IN-PLACE SUBGRADE SHOULD BE COMPACTED TO AT LEAST 98% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY. IF THE MATERIAL IS TOO DRY TO COMPACT TO THE REQUIRED DENSITY EACH LAYER SHALL BE WETTED IN ACCORDANCE WITH COMPACTION REQUIREMENTS. IF THE MATERIAL IS TOO WET TO SECURE PROPER COMPACTION, IT SHALL BE HARROWED REPEATEDLY OR OTHERWISE AERATED WITH SUITABLE EQUIPMENT UNTIL OPTIMUM MOISTURE CONTENT IS OBTAINED. FILL SHALL BE PLACED IN SUCH A MANNER THAT THE SURFACE WILL DRAIN READILY AT ALL TIMES. SEE STRUCTURAL NOTES AND SOILS REPORT FOR ADDITIONAL REQUIREMENTS.
9. LAYOUT: THE CONTRACTOR SHALL PROVIDE ALL LAYOUT REQUIRED TO CONSTRUCT HIS WORK.

10. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF EXISTING UTILITIES DURING CONSTRUCTION.

11. EXISTING BOUNDARY AND TOPOGRAPHIC INFORMATION FROM SURVEY BY TIMMONS GROUP.

12. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND EXISTING INVERTS AT JOBSITE.

13. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF RELOCATION OR DISCONNECTION OF ALL EXISTING UTILITIES WITH APPLICABLE AGENCIES AND AUTHORITIES.

14. ALL PAVEMENT AND BASE MATERIALS AND WORKMANSHIP SHALL CONFORM TO NCDOT STANDARDS.

15. WATER AND SEWER SERVICES SHALL BE INSTALLED TO MEET LOCAL AND STATE PLUMBING CODES. METER AND TAPS SHALL MEET ALL LOCAL REQUIREMENTS.

16. ALL AREAS SHALL BE GRADED FOR POSITIVE DRAINAGE.

17. SEE SOILS REPORT FOR ADDITIONAL REQUIREMENTS.

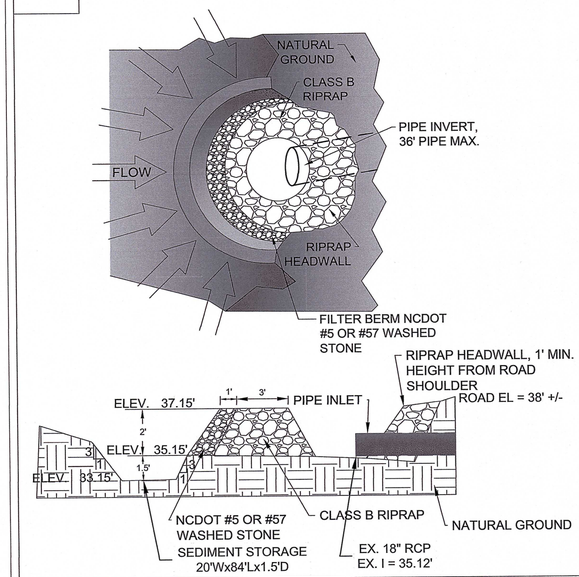
18. CONTRACTOR SHALL NOTE THAT EARTHWORK QUANTITIES ARE HIS RESPONSIBILITY. PLANS DO NOT REPRESENT A BALANCED EARTHWORK CONDITION.

19. REINF. CONC. PIPE SHALL BE CLASS III W/RUBBER GASKETED JOINT OR "RAM NECK". INSTALL PER MANUFACTURER'S REQUIREMENTS. HIGH DENSITY POLYETHYLENE PIPE TO BE NCDOT APPROVED HP PIPE. INSTALL PER MANUFACTURER'S REQUIREMENTS.

20. USE WHITE LANE MARKING PAINT FOR ALL PAVEMENT MARKINGS. PAINT SHALL BE A CHLORINATED RUBBER ALKYD, FS TT-P-115, TYPE III, FACTORY MIXED, QUICK DRYING, NON-BLEEDING.

21. REFER TO THE PLUMBING DRAWINGS FOR LOCATION AND INVERTS OF NEW WASTE, WATER AND ROOF DRAIN LINES.

DATE: PAGE:



NOTES:
1. Clear the area of all debris that might hinder excavation and disposal of spoil.
2. Install the Class B or Class 1 riprap in a semi-circle around the pipe inlet. The stone should be built up higher on each end where it ties into the embankment. The minimum crest width of the riprap should be 3 feet, with a minimum bottom width of 11 feet. The minimum height should be 2 feet, but also 1 foot lower than the embankment of diversions.
3. A 1 foot thick layer of NC DOT #5 or #57 stone should be placed on the outside slope of the riprap.
4. The sediment storage area should be excavated around the outside of the stone horseshoe 18 inches below natural grade.
5. When contributing drainage area has been stabilized, remove the pipe and rock, fill depression, establish final grading elevations, compact the area properly, and stabilize with ground cover.

MAINTENANCE:
1. Inspect all measures at least weekly and after each rainfall of 1.0 inch or greater and repair immediately.
2. Remove sediment and restore the sediment storage area to its original dimensions when the sediment has accumulated to one-half the design depth of the trap.
3. Place the sediment that is removed in the designated disposal area and replace the contaminated part of the gravel facing.
4. Check the structure for damage. Any riprap displaced from the stone horseshoe must be replaced immediately.
5. After all the sediment-producing areas have been permanently stabilized, remove the structure and all the unstable sediment. Smooth the area to blend with the adjoining areas and provide permanent ground cover.

DEQ

ROCK PIPE INLET PROTECTION

Effective Date: 9/1/2023
In accordance with the 2013 Design Manual Updates

SKIMMER MAINTENANCE NOTES:

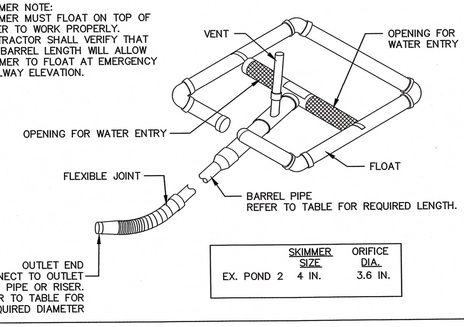
1. INSPECT SKIMMER SEDIMENT BASINS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (ON-HALF INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY.

2. IF THE SKIMMER IS CLOGGED WITH TRASH AND THERE IS WATER IN THE BASIN, USUALLY JERKING ON THE ROPE WILL MAKE THE SKIMMER BOB UP AND DOWN AND DISLODGE THE DEBRIS AND RESTORE FLOW. IF THIS DOES NOT WORK, PULL THE SKIMMER OVER TO THE SIDE OF THE BASIN AND REMOVE THE DEBRIS. ALSO CHECK THE ORIFICE INSIDE THE SKIMMER TO SEE IF IT IS CLOGGED; IF SO REMOVE THE DEBIS.

3. IF THE SKIMMER ARM OR BARREL PIPE IS CLOGGED, THE ORIFICE CAN BE REMOVED AND THE OBSTRUCTION CLEARED WITH A PLUMBER'S SNAKE OR BY FLUSHING WITH WATER. BE SURE AND REPLACE THE ORIFICE BEFORE REPOSITIONING THE SKIMMER.

4. FREEZING WEATHER CAN RESULT IN ICE FORMING IN THE BASIN. SOME SPECIAL PRECAUTIONS SHOULD BE TAKEN IN THE WINTER TO PREVENT THE SKIMMER FROM PLUGGING WITH ICE.

SKIMMER NOTE:
SKIMMER MUST FLOAT ON TOP OF WATER TO WORK PROPERLY. CONTRACTOR SHALL VERIFY THAT THE BARREL LENGTH WILL ALLOW SKIMMER TO FLOAT AT EMERGENCY SPILLWAY ELEVATION.

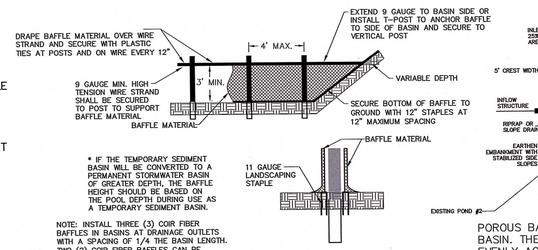


SKIMMER SIZE	ORIFICE DIA.
EX. POND 2 4 IN.	3.6 IN.

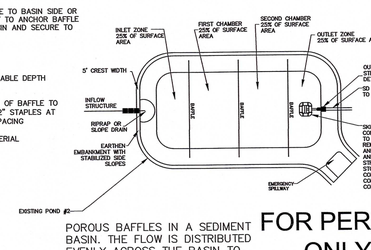
2 EC1 SKIMMER DETAIL

BAFFLE MAINTENANCE NOTES:

1.) INSPECT BAFFLES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
2.) BE SURE TO MAINTAIN ACCESS TO THE BAFFLES. SHOULD THE FABRIC OF A BAFFLE COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY.
3.) REMOVE SEDIMENT DEPOSITS WHEN IT REACHES HALF FULL, TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE BAFFLES.
TAKE CARE TO AVOID DAMAGING THE BAFFLES DURING CLEANOUT, AND REPLACE IF DAMAGED DURING CLEANOUT OPERATIONS. SEDIMENT DEPTH SHOULD NEVER EXCEED HALF THE DESIGNED STORAGE DEPTH.
4.) AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED, REMOVE ALL BAFFLE MATERIALS AND UNSTABLE SEDIMENT DEPOSITS, BRING THE AREA TO GRADE, AND STABILIZE IT.



EC1 BAFFLE DETAIL



POROUS BAFFLES IN A SEDIMENT BASIN. THE FLOW IS DISTRIBUTED EVENLY ACROSS THE BASIN TO REDUCE FLOW RATES AND TURBULENCE, RESULTING IN GREATER SEDIMENT RETENTION.

FOR PERMIT ONLY

NOTES & DETAILS
BRUNSWICK COUNTY HEALTH & HUMAN SERVICES
67 GOVERNMENT CENTER DR NE
BOLIVIA, NC 28422

OWNER/DEVELOPER
STEVE STONE, COUNTY MANAGER
BRUNSWICK COUNTY
P.O. BOX 249
BOLIVIA, NC 28422
910-253-2015
steve.stone@brunswickcountync.gov

Tunstall Consulting Engineers PLLC
2602 IRON GATE DR., SUITE 102
WILMINGTON, NC 28412
PHONE (910) 343-9653
LICENSE# P-3152

25001

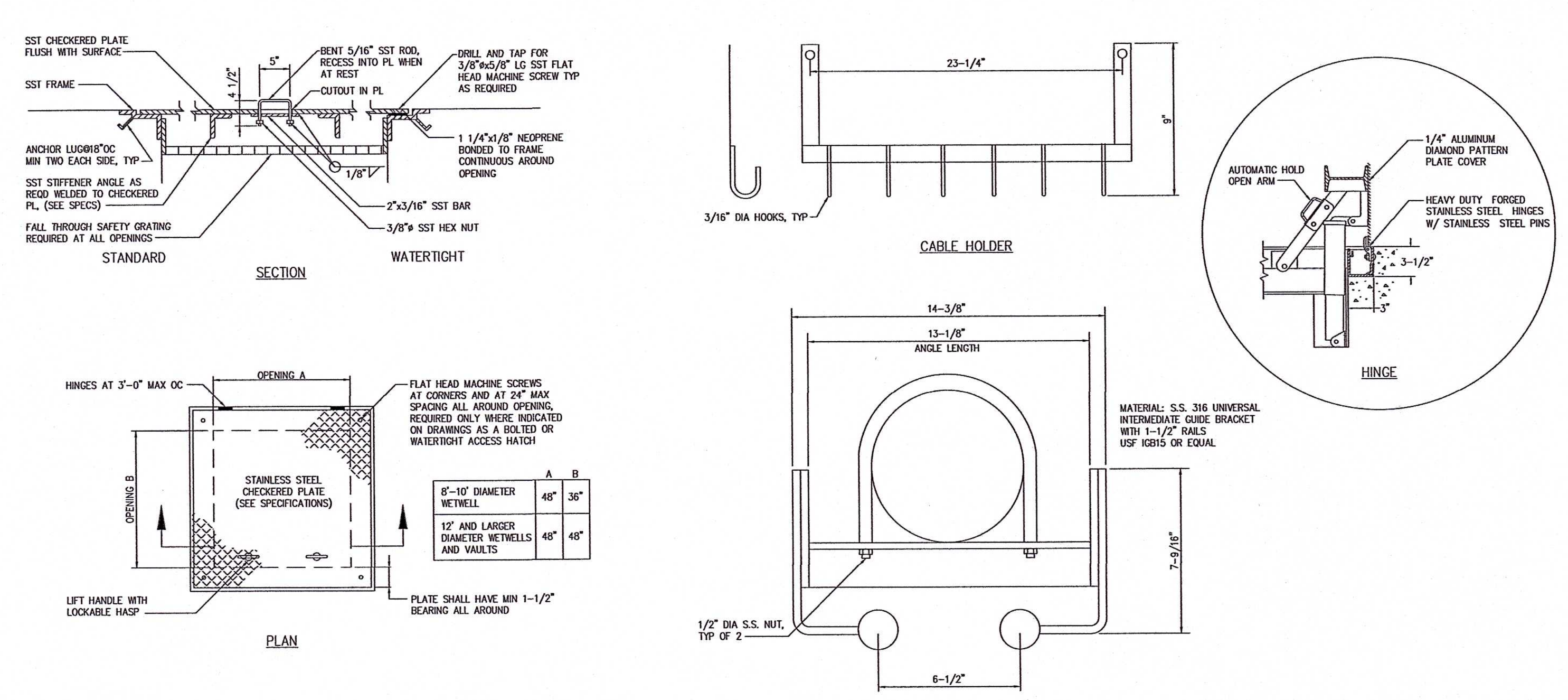
DES. JST
CKD. TJC
DRWN. MWA
DATE 04-01-26

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 19851 JOHN S. TUNSTALL

C7.6

C:\Users\Thomas\AppData\Local\Temp\AcPublish_38788\25001 DETAIL SHEETS.dwg (C7.6-BC) Plotted on: Apr 02, 2026 - 12:13pm by Thomas

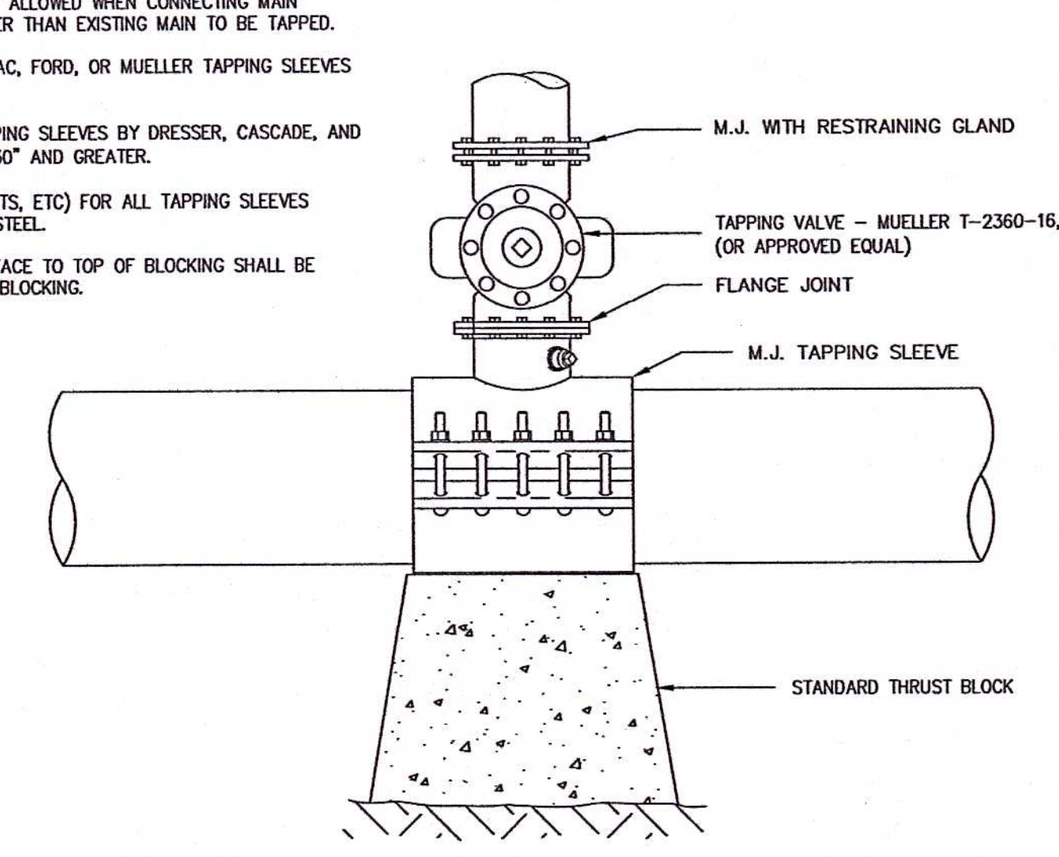
C:\Users\Thomas\AppData\Local\Temp\AcPublish_38788\25001 DETAIL SHEETS.dwg (C8.0-BC) Plotted on: Apr 02, 2026 - 12:13pm by Thomas



ACCESS HATCH
DETAIL WS-17

NOTES:

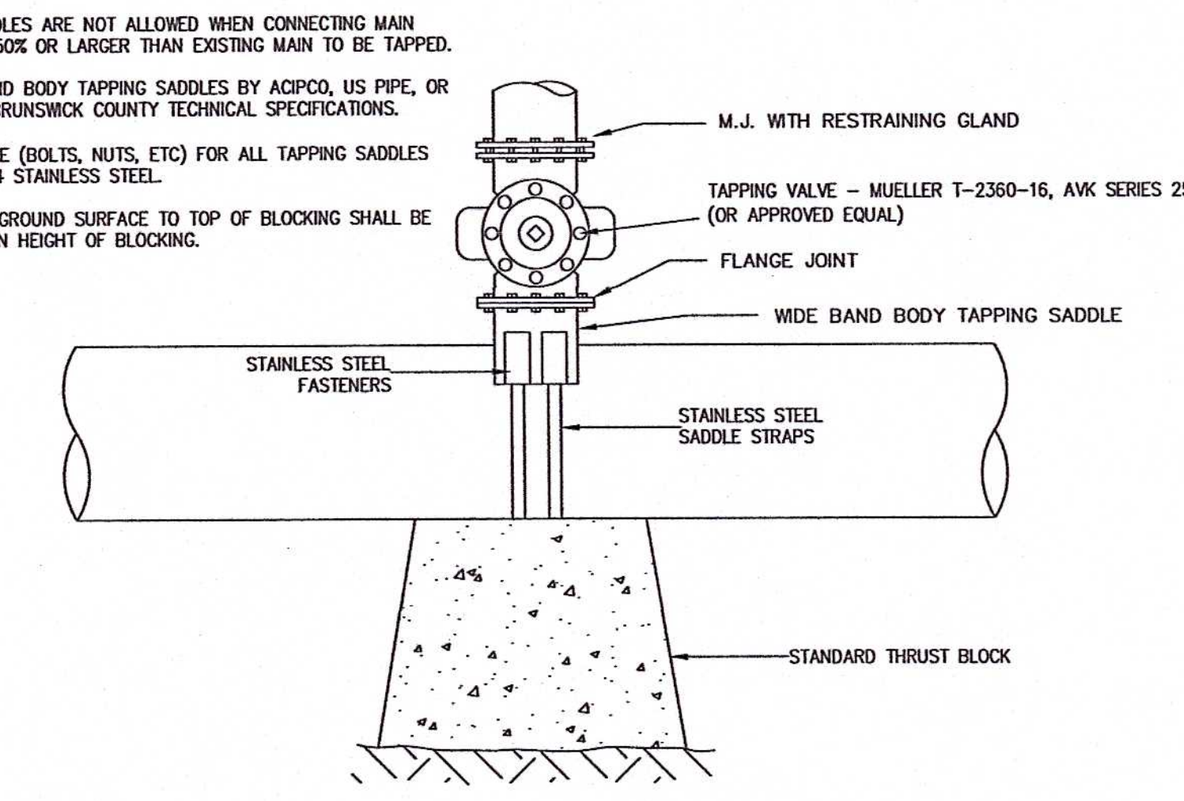
1. TAPPING SADDLES ARE NOT ALLOWED WHEN CONNECTING MAIN DIAMETER IS 50% OR LARGER THAN EXISTING MAIN TO BE TAPPED.
2. USE STAINLESS STEEL ROMAC, FORD, OR MUELLER TAPPING SLEEVES FOR TAP SIZES 4" - 24".
3. USE STAINLESS STEEL TAPPING SLEEVES BY DRESSER, CASCADE, AND JCM FOR TAPS ON MAINS 30" AND GREATER.
4. ALL HARDWARE (BOLTS, NUTS, ETC) FOR ALL TAPPING SLEEVES SHALL BE 304 STAINLESS STEEL.
5. DEPTH FROM GROUND SURFACE TO TOP OF BLOCKING SHALL BE GREATER THAN HEIGHT OF BLOCKING.



TAPPING SLEEVE & VALVE ASSEMBLY
DETAIL WS-18

NOTES:

1. TAPPING SADDLES ARE NOT ALLOWED WHEN CONNECTING MAIN DIAMETER IS 50% OR LARGER THAN EXISTING MAIN TO BE TAPPED.
2. USE WIDE BAND BODY TAPPING SADDLES BY ACIPCO, US PIPE, OR EQUAL, PER BRUNSWICK COUNTY TECHNICAL SPECIFICATIONS.
3. ALL HARDWARE (BOLTS, NUTS, ETC) FOR ALL TAPPING SADDLES SHALL BE 304 STAINLESS STEEL.
4. DEPTH FROM GROUND SURFACE TO TOP OF BLOCKING SHALL BE GREATER THAN HEIGHT OF BLOCKING.



TAPPING SADDLES & VALVE ASSEMBLY
DETAIL WS-19

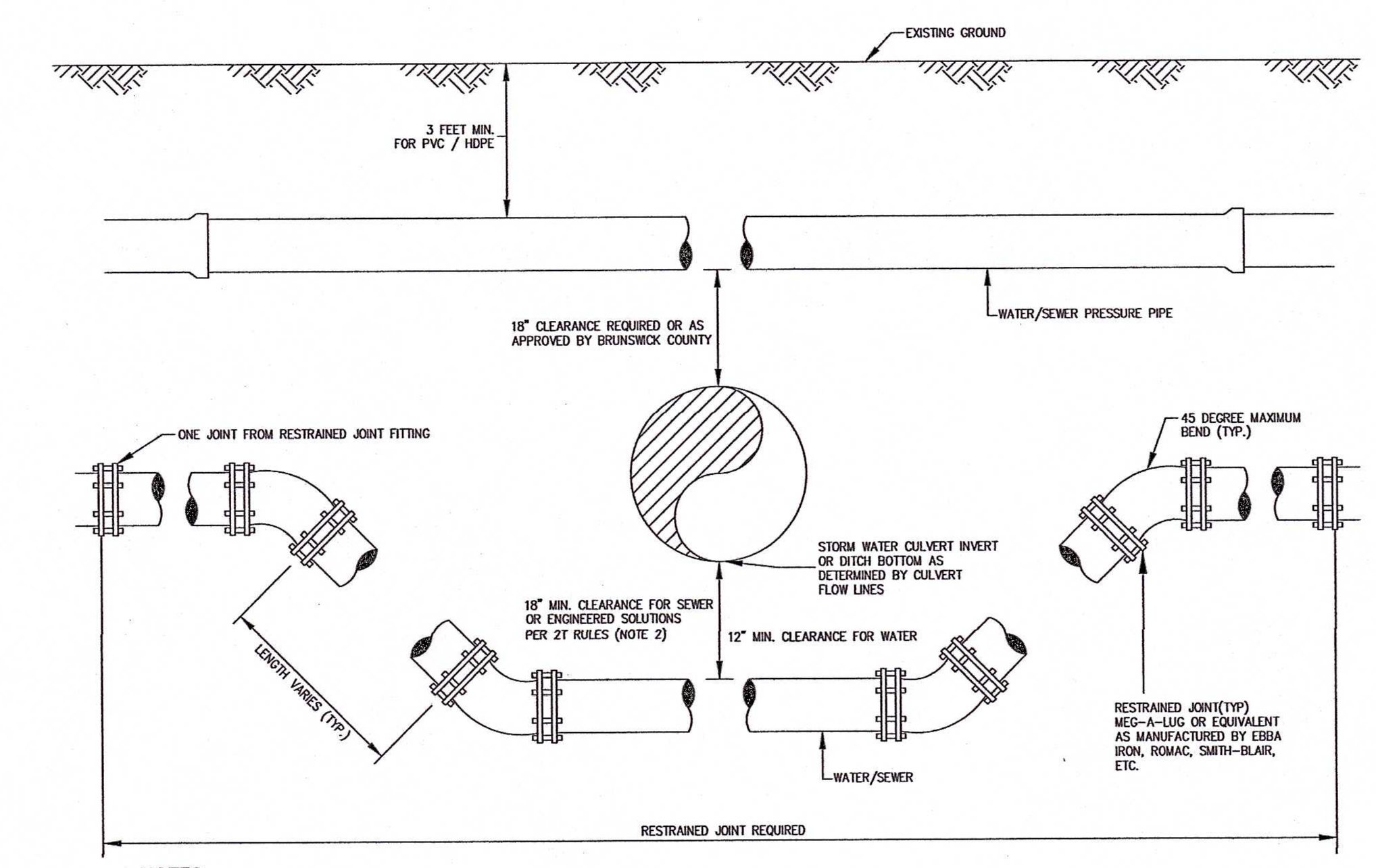
Revisions
1.01 - DATED 1/16/2014
Removed WS-20

COUNTY OF BRUNSWICK

GENERAL WATER & SEWER DETAILS
FOR
BRUNSWICK COUNTY
NORTH CAROLINA

Date: 06-13-12
Scale: NTS
Drawn By: JDM
Checked By: WLP

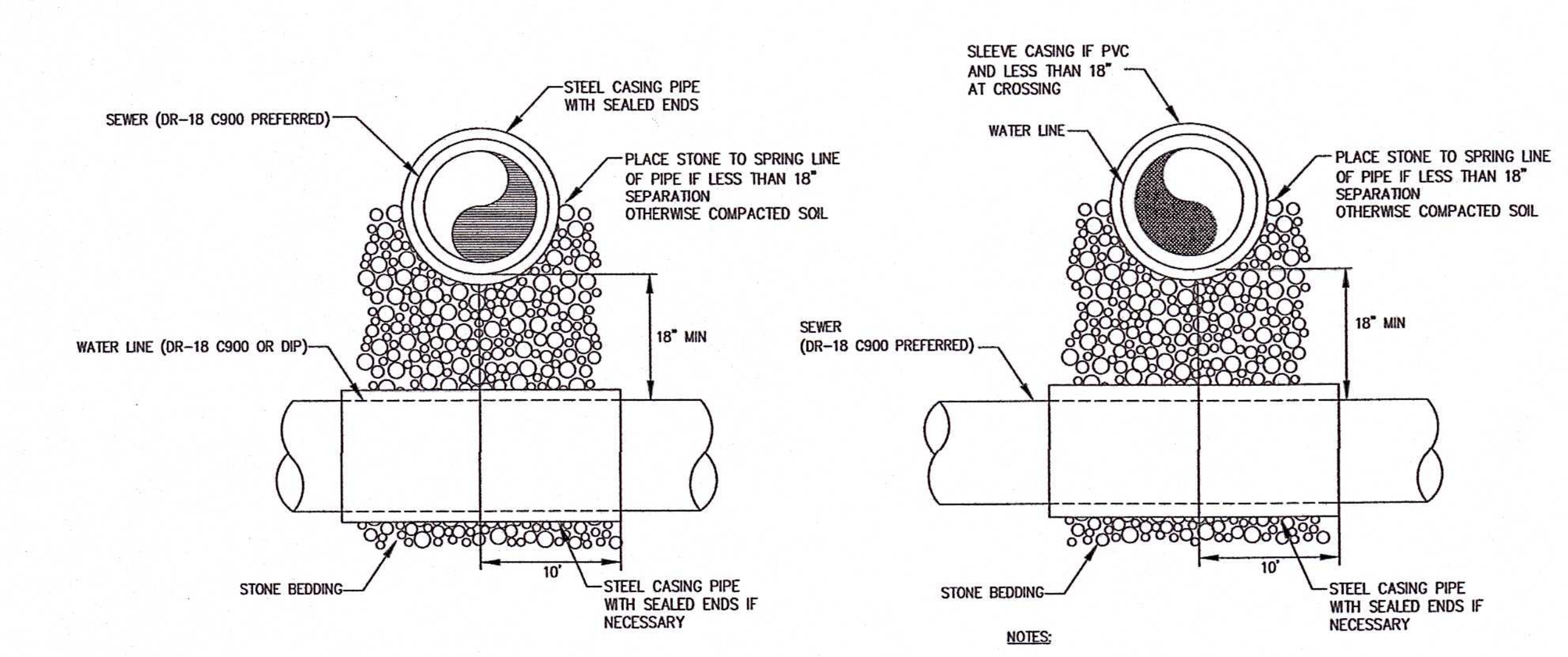
6 OF 7



NOTES:

1. USE STAINLESS STEEL THREADED RODS, MEGA-LUG OR APPROVED EQUAL FOR JOINT RESTRAINT.
2. SEWER REQUIRES DR-18 C900 UNLESS OTHERWISE APPROVED BY BRUNSWICK COUNTY.
3. WATER MAY BE DIP OR DR-18 C900 PIPE.

DITCH AND/OR STORM DRAIN CROSSING
OFFSETS BETWEEN WATER/SEWER
PRESSURE MAIN AND STORM DRAIN
DETAIL WS-20



NOTES:

1. BOTH THE WATER MAIN AND THE SEWER MAIN SHALL BE FERROUS MATERIALS WITH JOINTS EQUIVALENT TO WATER MAIN STANDARDS FOR A MINIMUM DISTANCE OF 10 FEET ON EACH SIDE OF THE CROSSING.
2. ALTERNATIVELY, PIPES MAY BE SLEEVED WITH FERROUS MATERIALS FOR A MINIMUM DISTANCE OF 10 FEET ON EACH SIDE OF THE CROSSING AS APPROVED BY BRUNSWICK COUNTY ENGINEERING.

SEWER CROSSING ABOVE WATER LINE

NOTES:

1. SOIL REPLACED UNDER THE WATER MAIN SHALL BE COMPACTED.
2. IF THE WATER MAIN CROSSES AT LESS THAN 18" ABOVE THE SEWER MAIN BOTH THE WATER MAIN AND THE SEWER MAIN SHALL BE FERROUS MATERIALS WITH JOINTS EQUIVALENT TO WATER MAIN STANDARDS FOR A MINIMUM DISTANCE OF 10 FEET ON EACH SIDE OF THE CROSSING, OR THEY MAY HAVE FERROUS SLEEVES PUT AROUND THEM AS APPROVED BY BRUNSWICK COUNTY ENGINEERING.

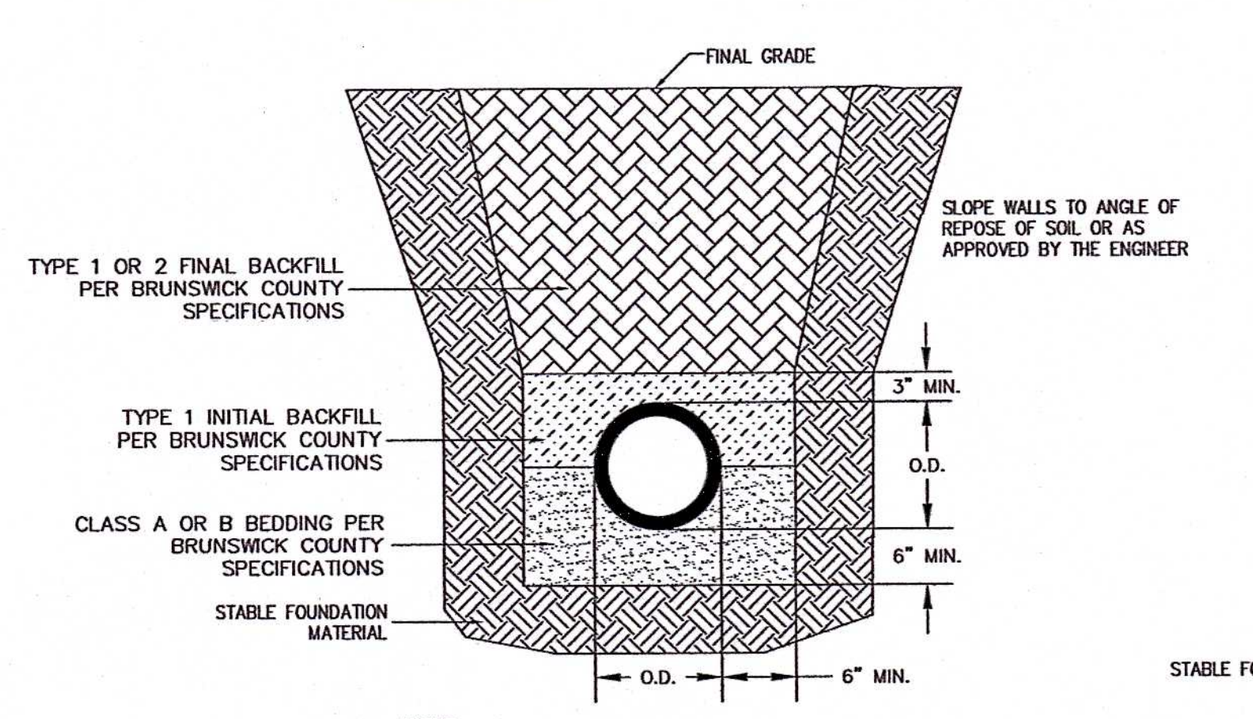
SEWER CROSSING BELOW WATER LINE

SEWER OFFSETS ABOVE
AND BELOW WATER MAINS
DETAIL WS-21

DEPTH < 20 FEET - CLASS "A" BEDDING
- UNDERCUT TRENCH BOTTOM 6 INCHES MINIMUM BELOW PIPE
- FILL PIPE TO SPRING LINE WITH NO. 57 STONE

DEPTH > 20 FEET - CLASS "B" BEDDING
- UNDERCUT TRENCH BOTTOM 6 INCHES MINIMUM BELOW PIPE
- FILL TO 6 INCHES ABOVE PIPE WITH NO. 57 STONE

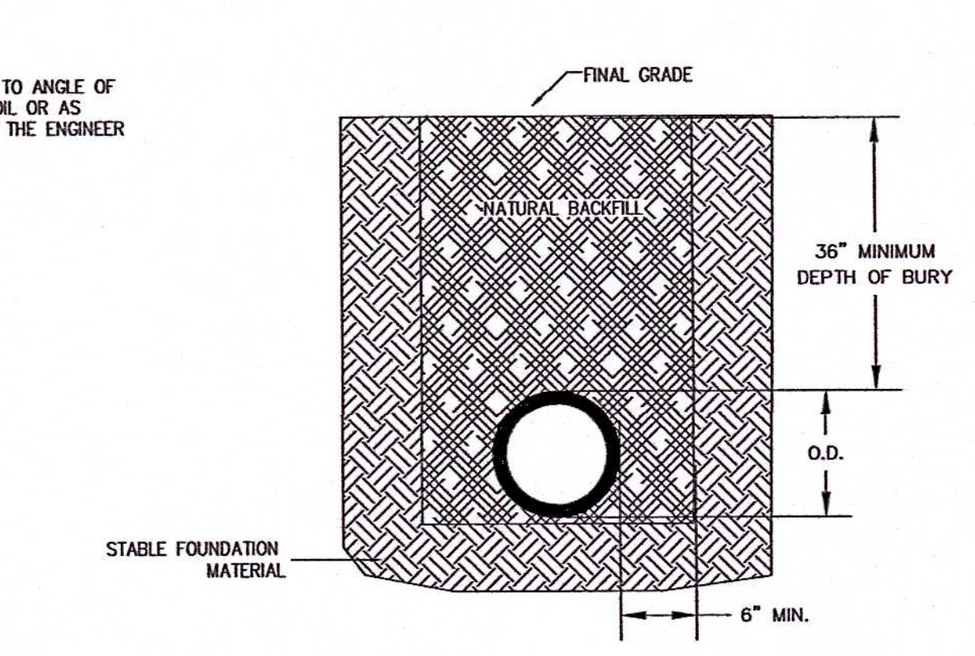
INSTALLATIONS THAT EXCEED 20 FEET DEPTH SHALL BE DR-18 C900 MINIMUM OR PER MANUFACTURERS RECOMMENDATIONS



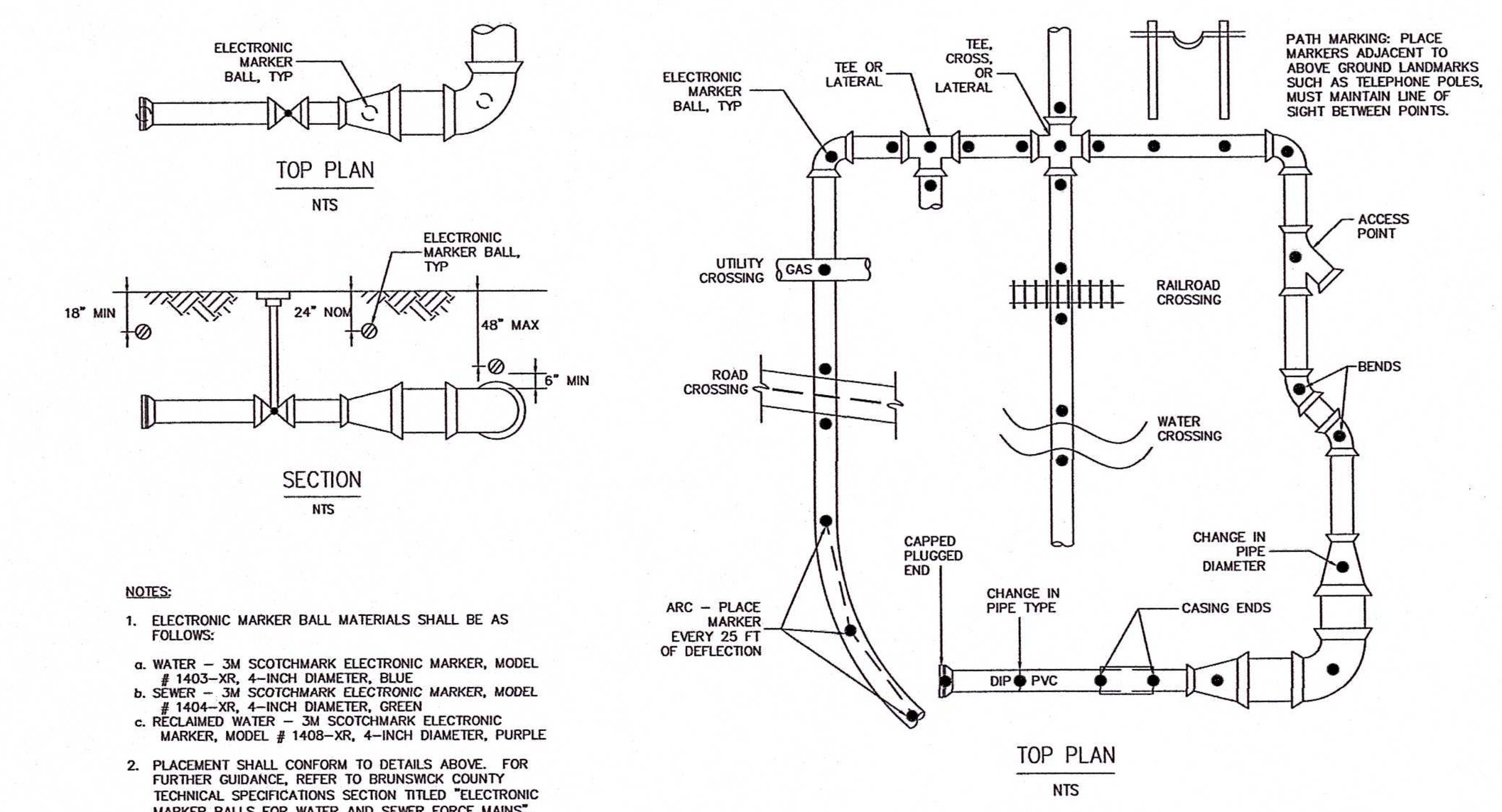
NOTES:

1. REFER TO THE BRUNSWICK COUNTY TECHNICAL SPECIFICATIONS FOR BACKFILL AND TRENCHING REQUIREMENTS
2. PIPE SIZE AS INDICATED ON PLANS

GRAVITY SEWER
PIPE TRENCH/BEDDING DETAIL
DETAIL WS-22



WATERMAIN AND/OR SEWER FORCEMAIN (PRESSURE PIPE)
PIPE TRENCH/BEDDING DETAIL
DETAIL WS-22A



NOTES:

1. ELECTRONIC MARKER BALL MATERIALS SHALL BE AS FOLLOWS:
   a. WATER - 3M SCOTCHMARK ELECTRONIC MARKER, MODEL # 1403-XR, 4-INCH DIAMETER, BLUE
   b. SEWER - 3M SCOTCHMARK ELECTRONIC MARKER, MODEL # 1404-XR, 4-INCH DIAMETER, GREEN
   c. RECLAIMED WATER - 3M SCOTCHMARK ELECTRONIC MARKER, MODEL # 1408-XR, 4-INCH DIAMETER, PURPLE
2. PLACEMENT SHALL CONFORM TO DETAILS ABOVE. FOR FURTHER GUIDANCE, REFER TO BRUNSWICK COUNTY TECHNICAL SPECIFICATIONS SECTION TITLED "ELECTRONIC MARKER BALLS FOR WATER AND SEWER FORCE MAINS".

ELECTRONIC MARKER
BALL PLACEMENT DETAIL
DETAIL WS-23

Revisions
1.01 - DATED 7/12/2013
1.02 - DATED 1/16/2014
1.03 - DATED 1/23/2019
1.04 - DATED 7/16/2019
1.05 - DATED 2/12/2021
Mod WS-20 & WS-21

COUNTY OF BRUNSWICK

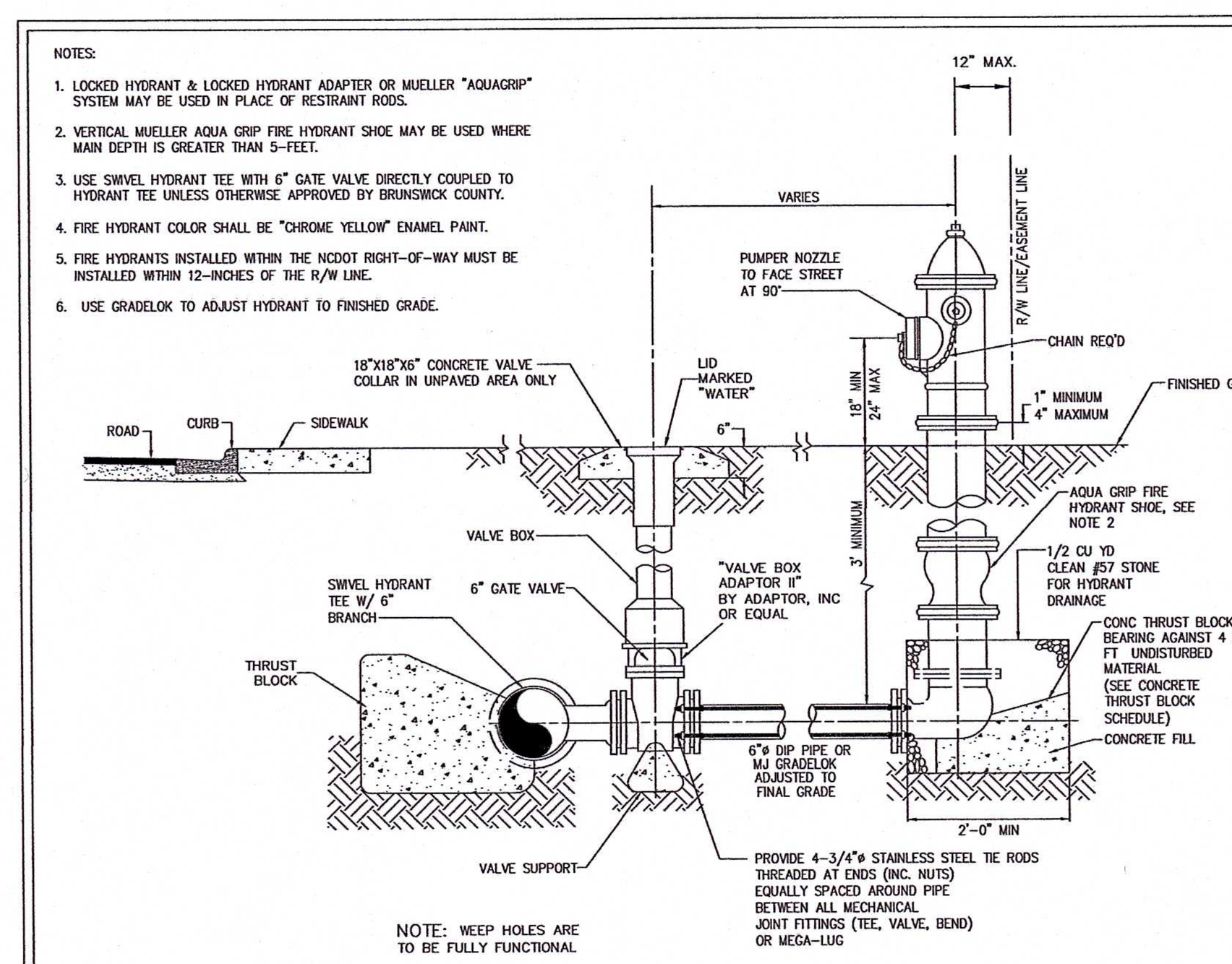
GENERAL WATER & SEWER DETAILS
FOR
BRUNSWICK COUNTY
NORTH CAROLINA

Date: 07-11-12
Scale: NTS
Drawn By: JDM
Checked By: WLP

7 OF 7

NOTES:

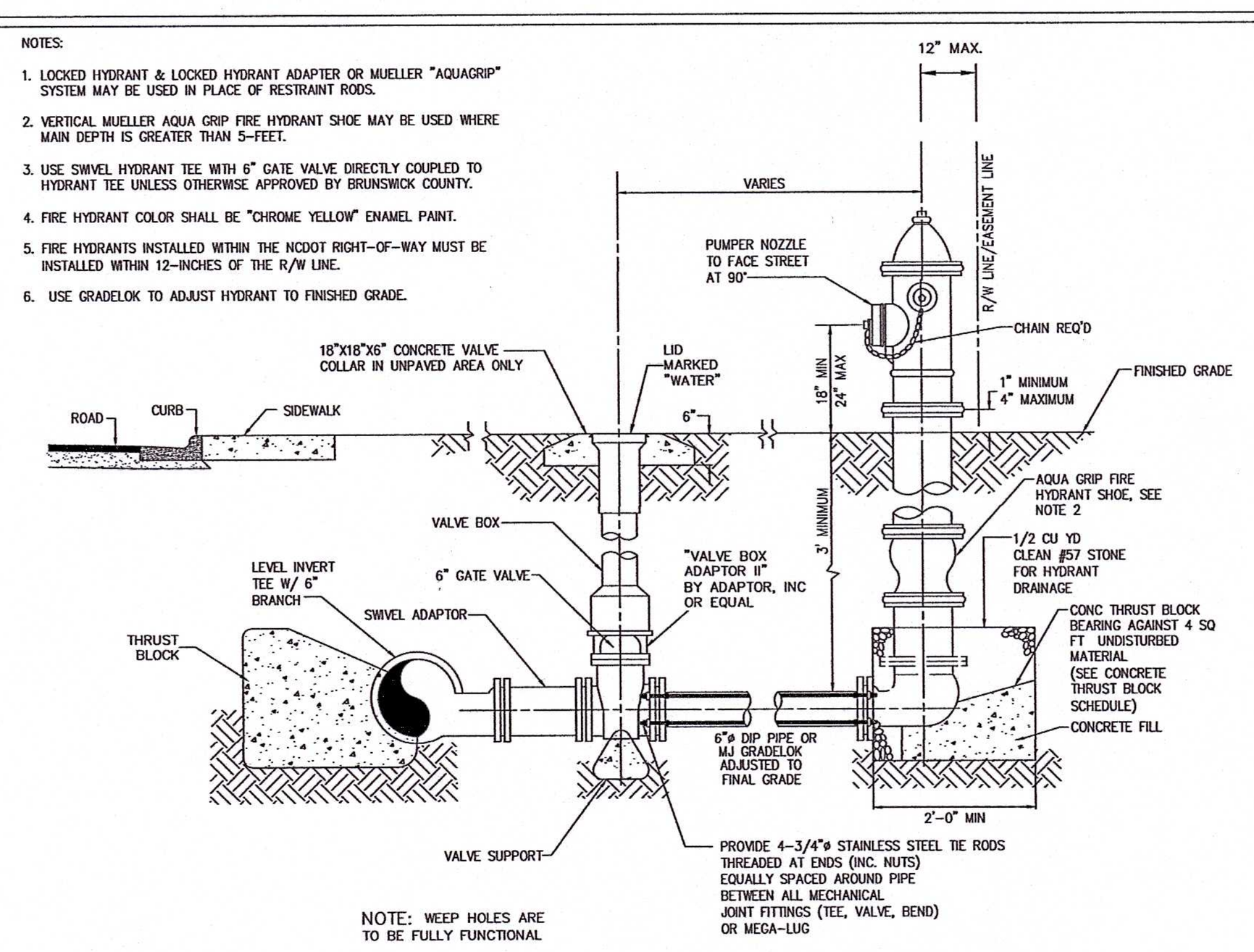
1. LOCKED HYDRANT & LOCKED HYDRANT ADAPTER OR MUELLER "AQUAGRIP" SYSTEM MAY BE USED IN PLACE OF RESTRAINT RODS.
2. VERTICAL MUELLER AQUA GRIP FIRE HYDRANT SHOE MAY BE USED WHERE MAIN DEPTH IS GREATER THAN 5-FEET.
3. USE SWIVEL HYDRANT TEE WITH 6" GATE VALVE DIRECTLY COUPLED TO HYDRANT TEE UNLESS OTHERWISE APPROVED BY BRUNSWICK COUNTY.
4. FIRE HYDRANT COLOR SHALL BE "CHROME YELLOW" ENAMEL PAINT.
5. FIRE HYDRANTS INSTALLED WITHIN THE NCDOT RIGHT-OF-WAY MUST BE INSTALLED WITHIN 12-INCHES OF THE R/W LINE.
6. USE GRADELOK TO ADJUST HYDRANT TO FINISHED GRADE.



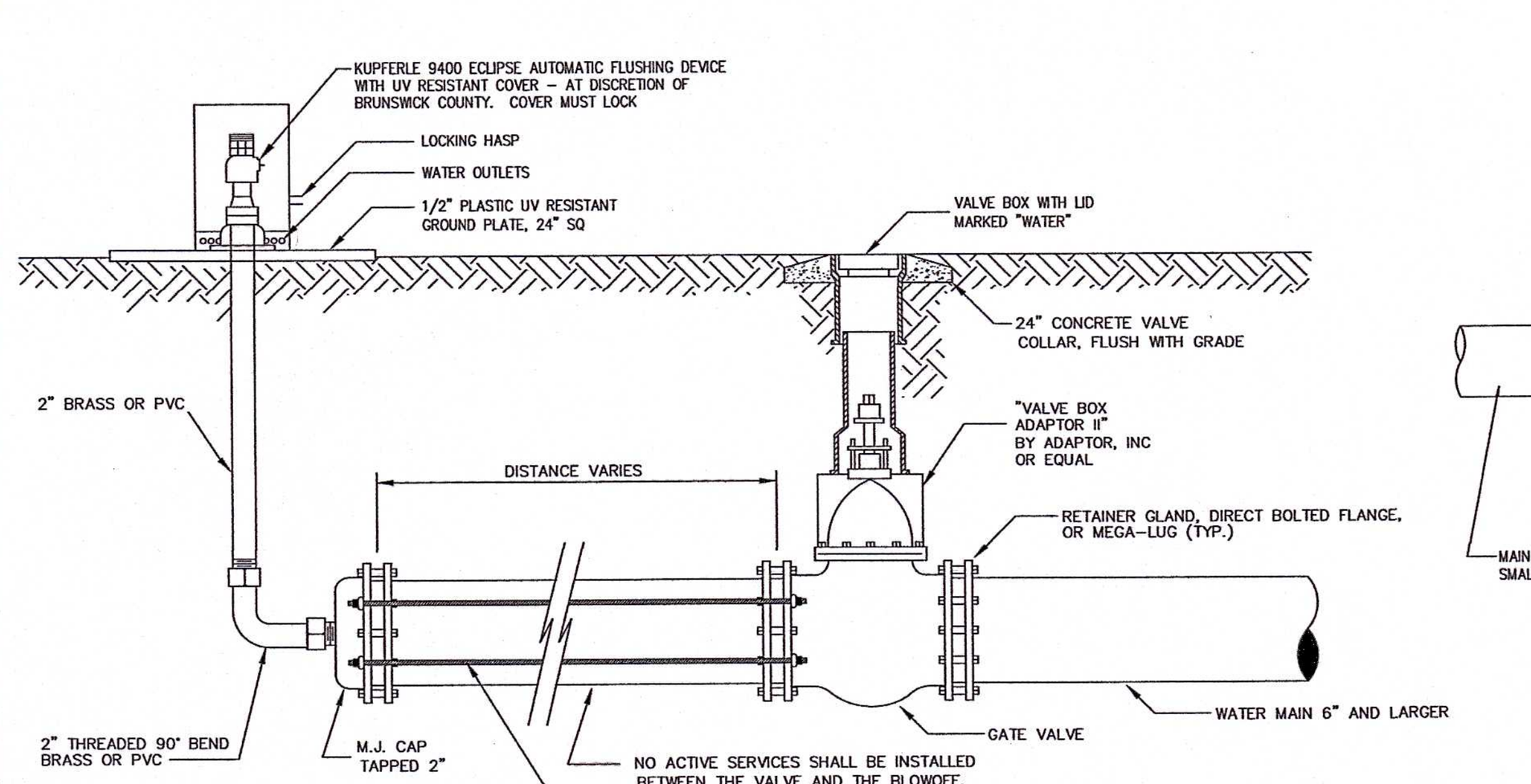
FIRE HYDRANT ON
MAINS 12" AND SMALLER
DETAIL W-1

NOTES:

1. LOCKED HYDRANT & LOCKED HYDRANT ADAPTER OR MUELLER "AQUAGRIP" SYSTEM MAY BE USED IN PLACE OF RESTRAINT RODS.
2. VERTICAL MUELLER AQUA GRIP FIRE HYDRANT SHOE MAY BE USED WHERE MAIN DEPTH IS GREATER THAN 5-FEET.
3. USE SWIVEL HYDRANT TEE WITH 6" GATE VALVE DIRECTLY COUPLED TO HYDRANT TEE UNLESS OTHERWISE APPROVED BY BRUNSWICK COUNTY.
4. FIRE HYDRANT COLOR SHALL BE "CHROME YELLOW" ENAMEL PAINT.
5. FIRE HYDRANTS INSTALLED WITHIN THE NCDOT RIGHT-OF-WAY MUST BE INSTALLED WITHIN 12-INCHES OF THE R/W LINE.
6. USE GRADELOK TO ADJUST HYDRANT TO FINISHED GRADE.



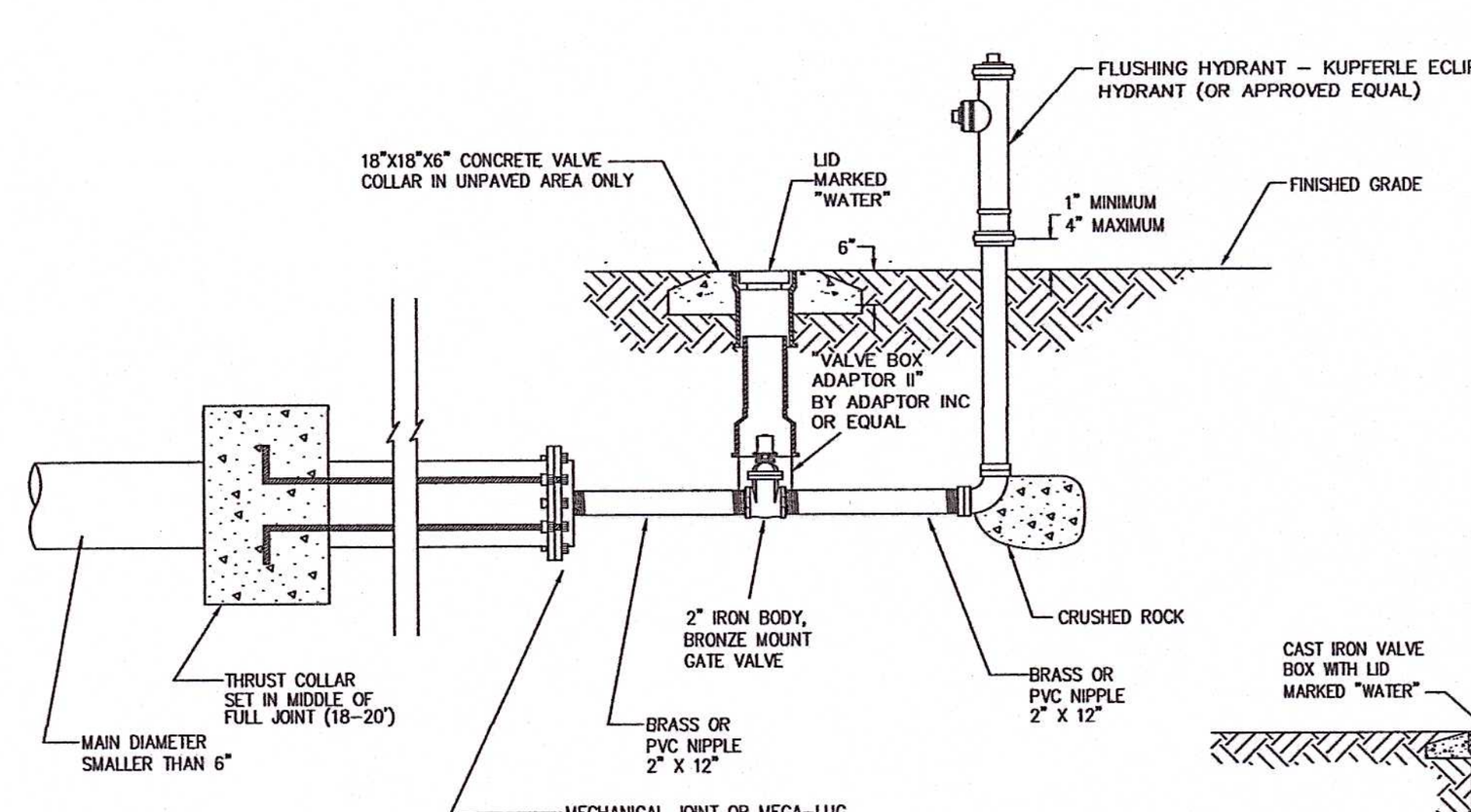
FIRE HYDRANT ON
MAINS LARGER THAN 12"
DETAIL W-2



NOTES:

1. ALL DEAD END LINES WILL HAVE FLUSHING DEVICES.
2. MAINS 6" AND GREATER NOT BEING EXTENDED IN THE FUTURE SHALL USE A FIRE HYDRANT FOR A FLUSHING DEVICE.
3. CONTRACTOR SHALL REMOVE AUTOMATIC FLUSHING DEVICE FOR MAIN EXTENSIONS AND DELIVER AUTOMATIC FLUSHING DEVICE TO BRUNSWICK COUNTY REPRESENTATIVE.

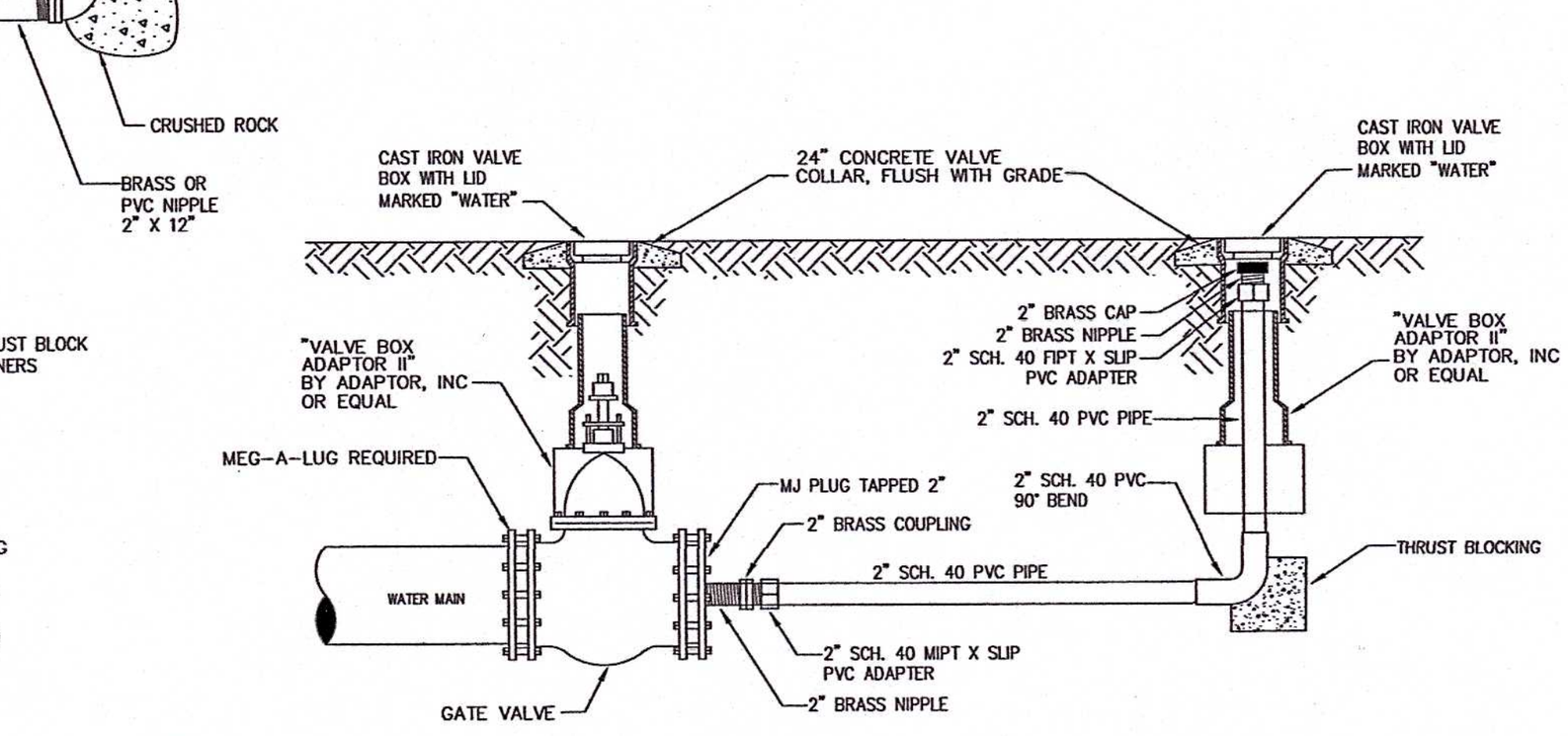
AUTOMATIC FLUSHING DEVICE FOR MAINS 6" AND
LARGER (FOR MAINS TO BE EXTENDED LATER)
DETAIL W-3



NOTES:

1. ALL DEAD END LINES WILL HAVE FLUSHING DEVICE.
2. MAINS 6" AND LARGER SHALL USE A FIRE HYDRANT FOR A FLUSHING DEVICE.
3. FLUSHING HYDRANT COLOR SHALL BE "RED" ENAMEL PAINT.
4. POST HYDRANT SHALL HAVE 1 1/2-INCH PENTAGONAL OPERATING NUT.
5. AT DISCRETION OF BRUNSWICK COUNTY, AN AUTOMATIC FLUSHING DEVICE (KUPFERLE 9400 ECLIPSE) MAY BE REQUIRED IN LIEU OF STANDARD MANUAL FLUSHING HYDRANT (SEE DETAIL THIS SHEET)

STANDARD FLUSHING DEVICE FOR
WATER MAINS
DETAIL W-4



NOTES:

1. TO BE USED WHEN FUTURE EXTENSION OF WATER MAIN IS KNOWN (i.e. PHASES)
2. FULL SIZE BOUNDARY VALVE REQUIRED.
3. THIS CAN ONLY BE USED WITH BRUNSWICK COUNTY ENGINEERING APPROVAL.

OLD STYLE TEMPORARY BLOW-OFF ASSEMBLY
DETAIL W-4A

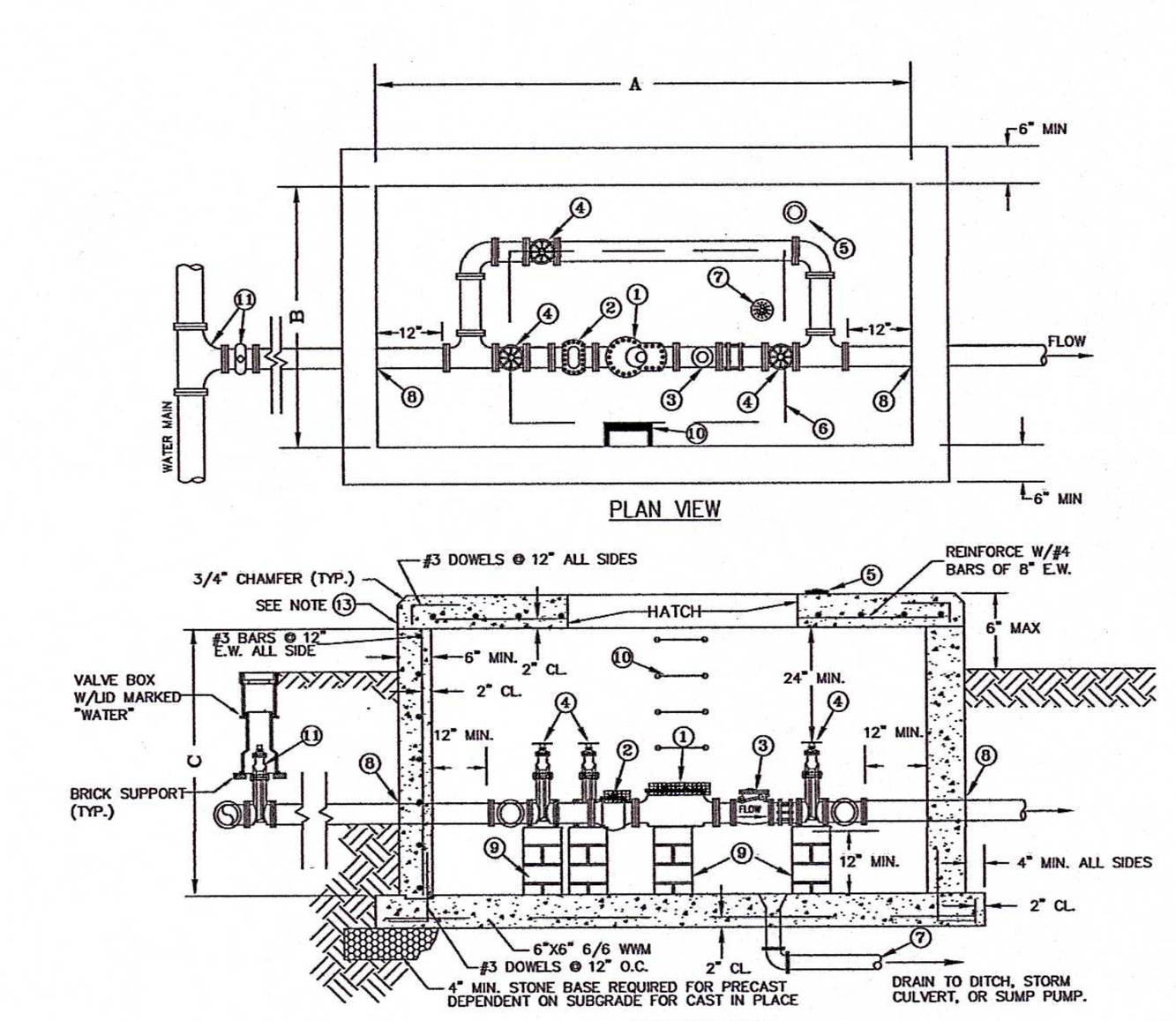
Revisions
1.01 - DATED 4/30/2013
1.02 - DATED 5/29/2013
1.03 - DATED 7/15/2015
1.04 - DATED 12/8/2016
1.05 - DATED 2/6/2020
1.06 - DATED 3/27/2020
1.07 - DATED 4/22/2020
1.08 - DATED 9/11/2023
Mod Detail W-4A

COUNTY OF BRUNSWICK

GENERAL WATER DETAILS
FOR
BRUNSWICK COUNTY
NORTH CAROLINA

Date: 05-22-12
Scale: NTS
Drawn By: JDM
Checked By: WLP

1 OF 5



WATER METER VAULTS (3" TO 10")
DETAIL W-7

CONSTRUCTION NOTES:

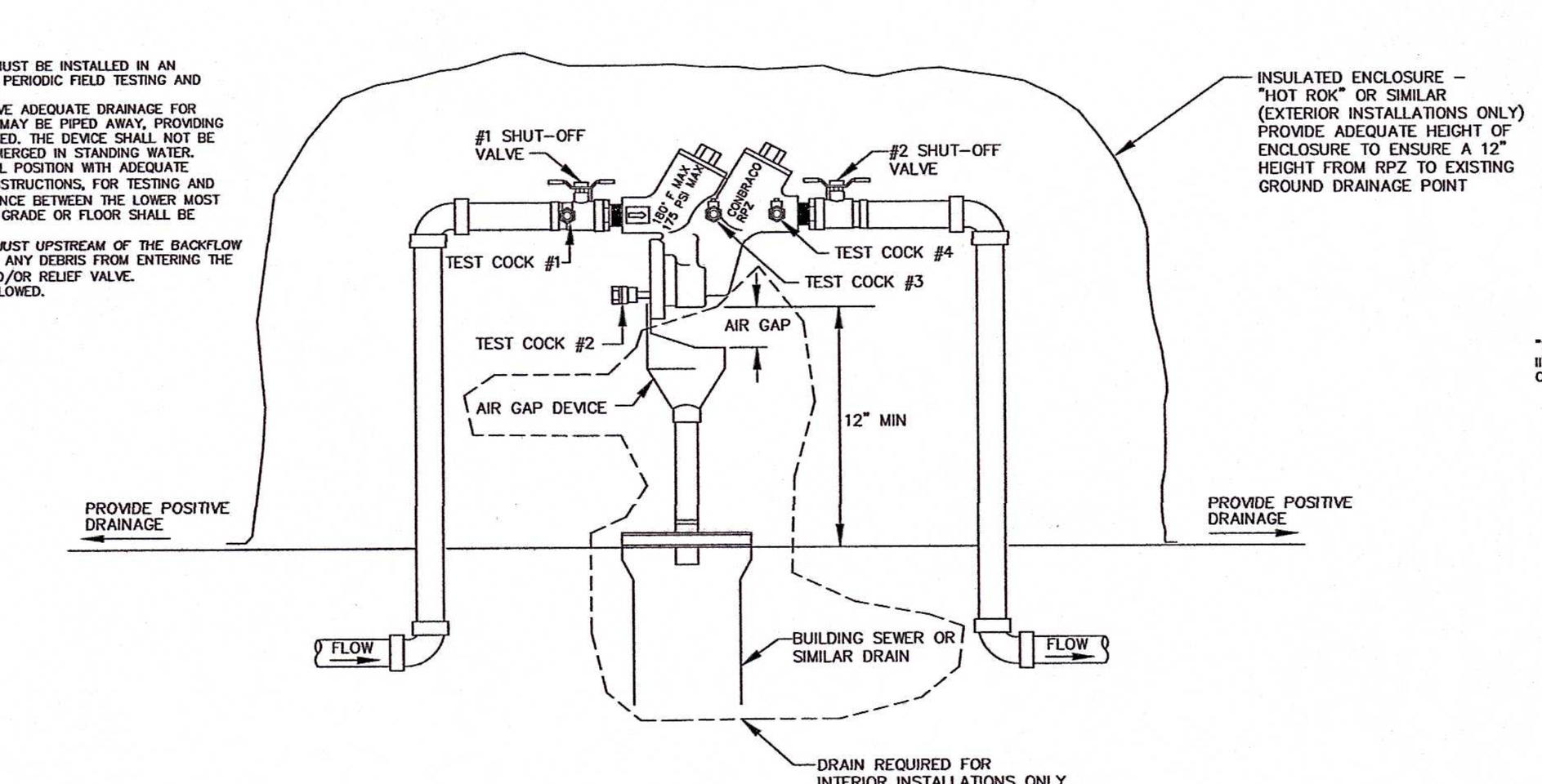
1. CONCRETE SHALL HAVE 4,000 PSI MIN. COMPRESSIVE STRENGTH AT 28 DAYS.
2. REINFORCING BARS SHALL BE GRADE 60 DEFORMED STEEL.
3. METERS SHALL BE APPROVED BY BRUNSWICK COUNTY.
4. WHERE WALL MOUNTED STEPS ARE NOT ACCESSIBLE FROM HATCH, A PERMANENTLY MOUNTED LADDER MEETING O.S.H.A. STANDARDS SHALL BE PROVIDED.
5. RELOCATE REINFORCEMENT AROUND HATCH TO PROVIDE EQUIVALENT STEEL CROSS-SECTION.
6. ALL PIPING SHALL BE DUCTILE IRON.

MIN. VAULT DIMENSIONS			
METER SIZE	A	B	C
3"	8'-6"	5'-6"	5'-0"
4"	9'-6"	5'-6"	5'-0"
6"	11'-0"	6'-0"	5'-6"
8"	12'-0"	7'-0"	6'-0"
10"	14'-0"	8'-0"	6'-0"

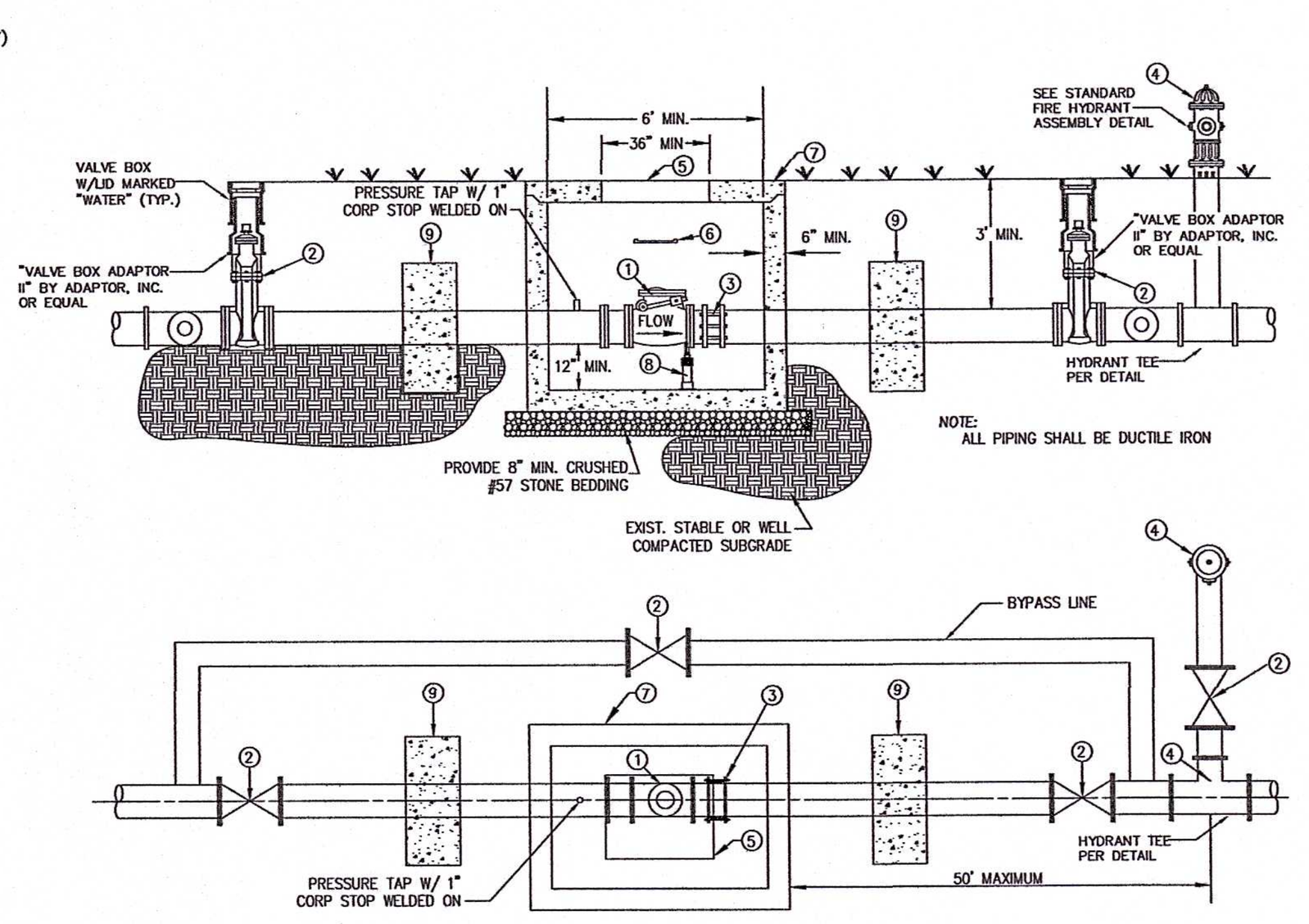
1. AWWA C701 TURBINE METER OR AWWA C702 COMPOUND METER w/ENCODING REGISTER FOR REMOTE READING (SENSUS OR APPROVED EQUAL) METER MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY BRUNSWICK COUNTY ENGINEER
2. STRAINER BY METER MANUFACTURER
3. AS DETERMINED BY BRUNSWICK COUNTY, AWWA C508 SWING CHECK VALVE WITH LEVER & WEIGHT, OR SPRING, OR FLOMATIC MODEL 848/895 SPLIT DISC
4. AWWA C509 GATE VALVE w/HAND WHEEL
5. AMR ITRON 50W-2 PIT ERT WITH COMPATIBLE REGISTER OR EQUIVALENT-MUST BE APPROVED BY BRUNSWICK COUNTY
6. SINGLE OR DOUBLE LEAF ALUMINUM HATCH
7. GRAVITY DRAIN TO DAYLIGHT OR SUMP PUMP WITH FORCE MAIN TO STORM DRAINAGE
8. WATERTIGHT GASKET w/HYDRAULIC CEMENT SEAL
9. SOLID MASONRY PIER FIXTURE SUPPORTS
10. STEPS SPACED AT 16" O.C.
11. IN-LINE TEE OR TAPPING SLEEVE w/VALVE AND BOX TO GRADE WITH LID MARKED "WATER"
12. ALL WATER METER VAULTS MUST BE SUBMITTED TO BRUNSWICK COUNTY ENGINEERING DEPARTMENT AS A SHOP SUBMITTAL FOR REVIEW AND APPROVAL.
13. METER VAULT LID SHALL REST ON TOP OF VAULT WALLS- NO JOINTS ARE ALLOWED IN VAULT WALLS- VAULT BOTTOM AND SIDES MAY BE PRECAST BUT TOP SHALL BE PLACED ON TOP OF WALLS.

NOTES:

1. THE BACKFLOW PREVENTION DEVICE MUST BE INSTALLED IN AN ACCESSIBLE LOCATION TO FACILITATE PERIODIC FIELD TESTING AND MAINTENANCE.
2. THE LOCATION SELECTED SHOULD HAVE ADEQUATE DRAINAGE FOR RELIEF VALVE DISCHARGE. DRAINAGE MAY BE PIPED AWAY, PROVIDING AN APPROVED AIR GAP DEVICE IS USED. THE DEVICE SHALL NOT BE PLACED WHERE IT MAY BECOME SUBMERGED IN STANDING WATER.
3. INSTALL THE DEVICE IN A HORIZONTAL POSITION WITH ADEQUATE CLEARANCE FROM WALLS AND/OR OBSTRUCTIONS, FOR TESTING AND MAINTENANCE. A 12" TO 30" CLEARANCE BETWEEN THE LOWER MOST PORTION OF THE DEVICE AND FLOOD GRADE OR FLOOR SHALL BE PROVIDED.
4. A "Y" STRAINER MAY BE INSTALLED JUST UPSTREAM OF THE BACKFLOW PREVENTION ASSEMBLY TO ELIMINATE ANY DEBRIS FROM ENTERING THE DEVICE AND FOULING THE CHECK AND/OR RELIEF VALVE.
5. NO UNDERGROUND INSTALLATIONS ALLOWED.



STANDARD BACKFLOW PREVENTION DEVICE
DETAIL W-8



1. AS DETERMINED BY BRUNSWICK COUNTY, AWWA C508 SWING CHECK VALVE WITH LEVER & WEIGHT OR SPRING OR FLOMATIC MODEL 848/895 SPLIT DISC.
2. GATE VALVE WITH VALVE BOX MARKED "WATER".
3. FLANGED COUPLING ADAPTER
4. HYDRANT ASSEMBLY INSTALLED ON DOWNSTREAM SIDE WITHIN 50' OF CHECK VALVE.
5. ALUMINUM HATCH W/ COMPRESSION SPRING OPERATORS OR APPROVED EQUAL.
6. STEPS SPACED AT 16" O.C.
7. PRECAST REINFORCED CONCRETE VAULT WITH H20 LOAD RATING AND MIN. INSIDE DIMENSIONS: 6' L x 5' W x 4' D
8. STANDON MODEL S89 OR APPROVED EQUAL FIXTURE SUPPORT.
9. CONCRETE THRUST COLLAR PER SPECIFICATIONS.

CHECK VALVE VAULT
DETAIL W-9

Revisions
1.01 - DATED 12/8/2016
Revise Detail Numbers
1.02 - DATED 3/10/2017
Revise Detail W-9

COUNTY OF BRUNSWICK

GENERAL WATER DETAILS
FOR
BRUNSWICK COUNTY
NORTH CAROLINA

Date: 06-01-12
Scale: NTS
Drawn By: JDM
Checked By: WLP

3 OF 5

FOR PERMIT ONLY

NOTES & DETAILS
BRUNSWICK COUNTY HEALTH & HUMAN SERVICES
67 GOVERNMENT CENTER DR NE
BOLIVIA, NC 28422

OWNER/DEVELOPER
STEVE STONE, COUNTY MANAGER
BRUNSWICK COUNTY
P.O. BOX 249
BOLIVIA, NC 28422
910-253-2015
steve.stone@brunswickcountync.gov

Tunstall Consulting Engineers PLLC
2602 IRON GATE DR., SUITE 102
WILMINGTON, NC 28412
PHONE (910) 343-9653
LICENSE# P-3152

25001

DES. JST
CKD. TJC
DRWN. MWA

DATE 04-01-26

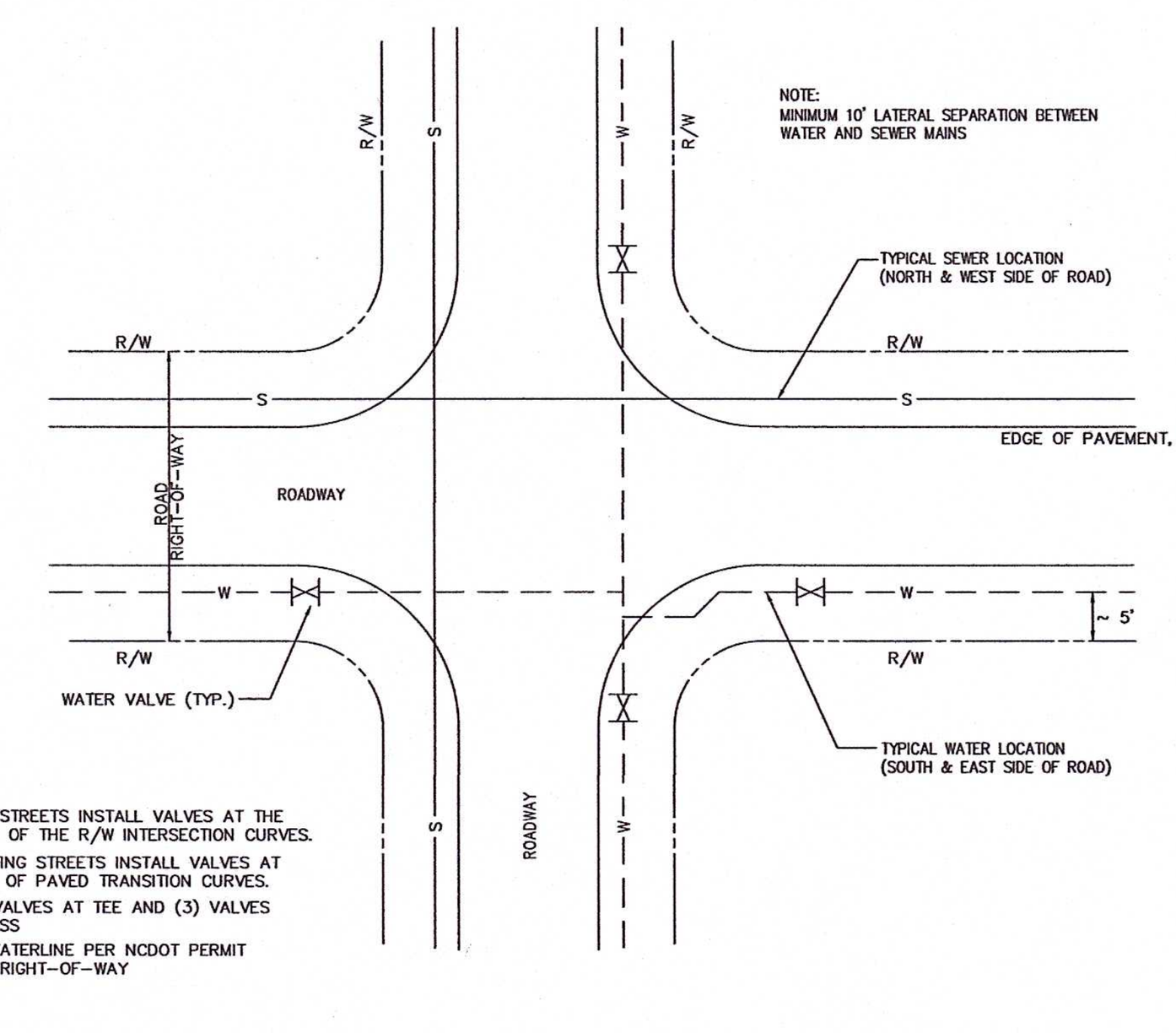
NORTH CAROLINA PROFESSIONAL SEAL 19851 ENGINEER JOHN S. TUNSTALL

C8.0

GENERAL WATER DETAILS FOR BRUNSWICK COUNTY NORTH CAROLINA

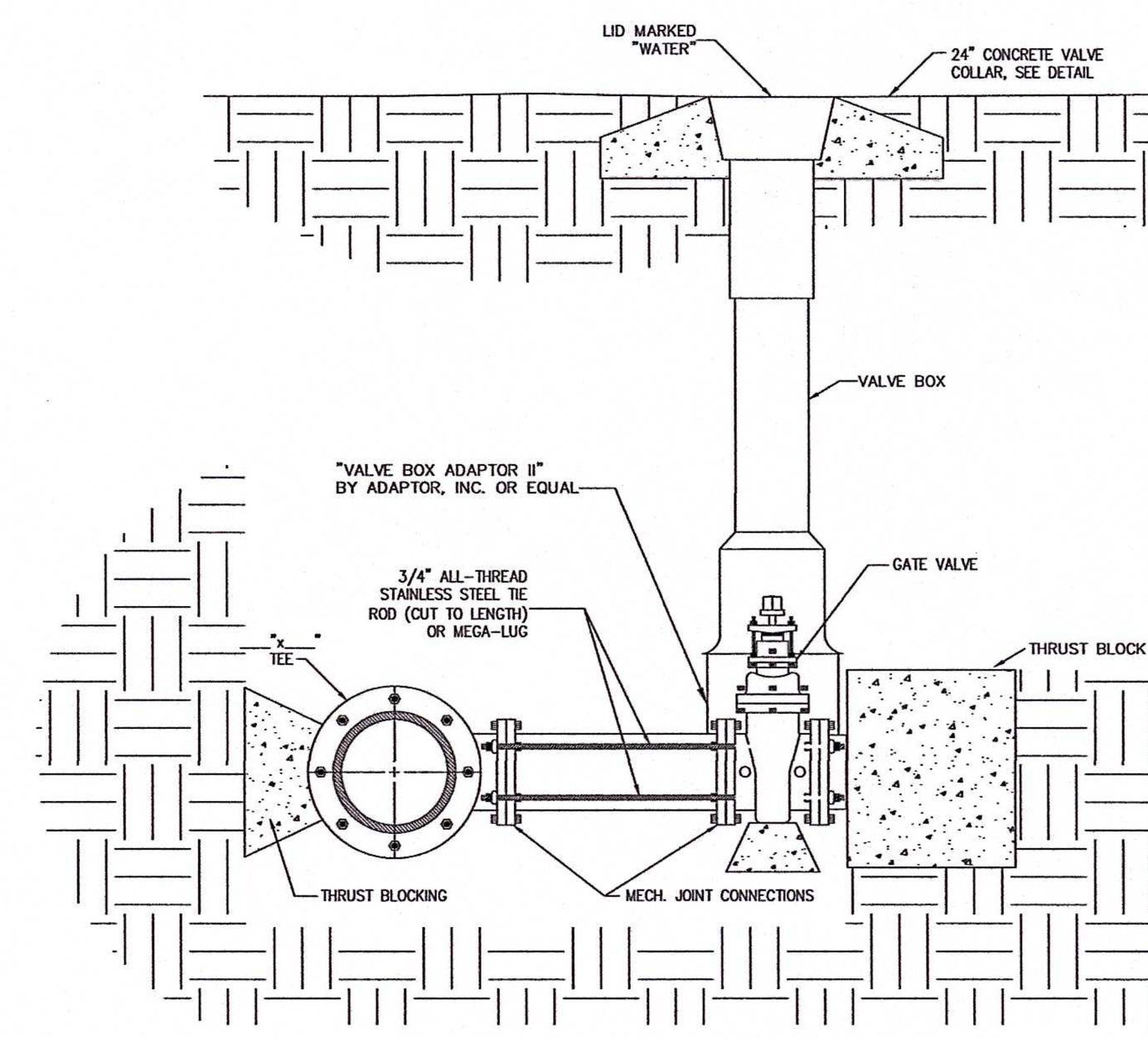
COUNTY OF BRUNSWICK

Revisions
1.01 - DATED 12/8/2016
Mod. W-11 and
Revise Detail Numbers



1. FOR NEW STREETS INSTALL VALVES AT THE TANGENTS OF THE R/W INTERSECTION CURVES.
2. FOR EXISTING STREETS INSTALL VALVES AT THE ENDS OF PAVED TRANSITION CURVES.
3. USE (2) VALVES AT TEE AND (3) VALVES AT A CROSS
4. INSTALL WATERLINE PER NCDOT PERMIT IN NCDOT RIGHT-OF-WAY

PLACEMENT OF UTILITIES IN ROAD RIGHT-OF-WAY AND INTERSECTION VALVE LOCATIONS
DETAIL W-10

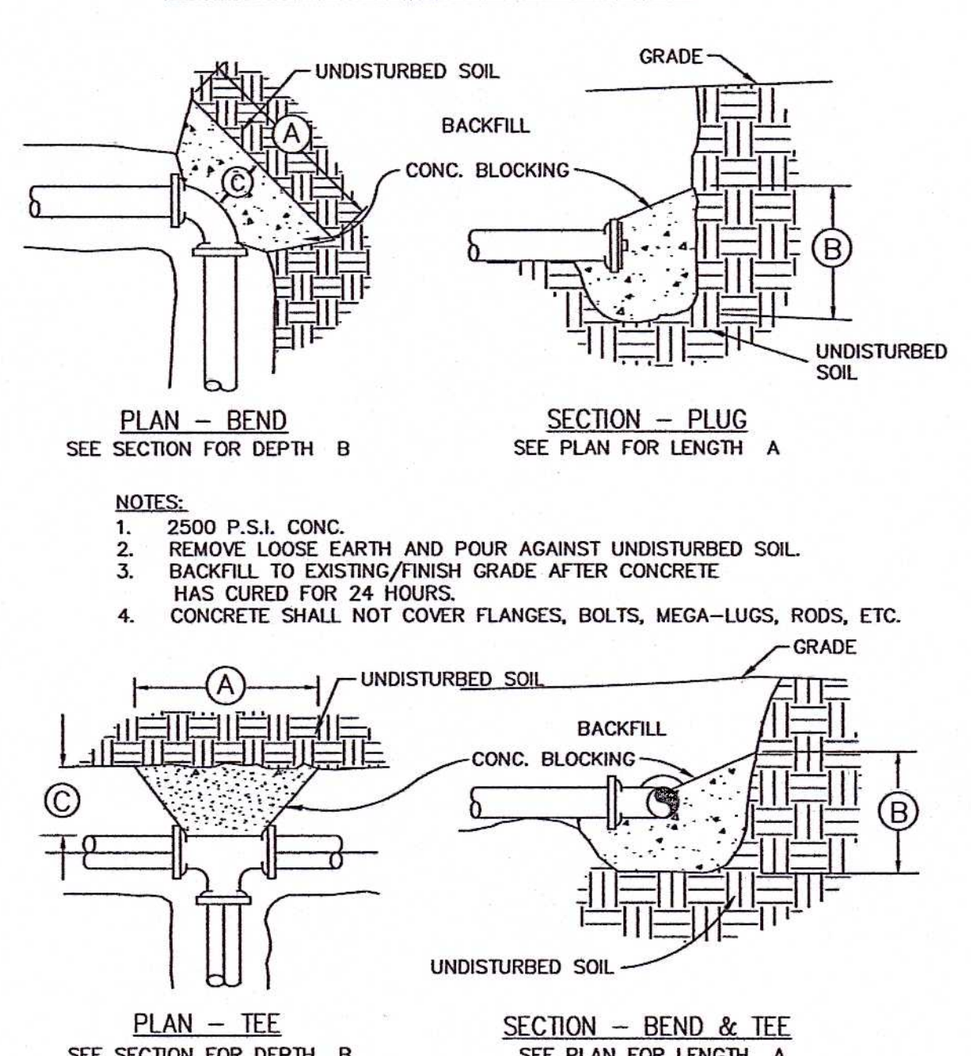


NOTES:
1. CONCRETE SHALL NOT CONTACT BOLTS OR ENDS OF MECHANICAL FITTINGS.
2. ALL TIE RODS AND NUTS TO BE STAINLESS STEEL.
3. LENGTH OF PIPE SHALL BE MINIMUM NEEDED TO INSTALL FITTINGS. VALVE SHALL BE BOLTED DIRECTLY TO TEE WHENEVER POISSIBLE.

ROD REQUIREMENTS	
BRANCH SIZE	NO. OF RODS
4"	2 EA.
6"	2 EA.
8"	4 EA.
12"	4 EA.
16"	6 EA.
20"	6 EA.
24"	6 EA.

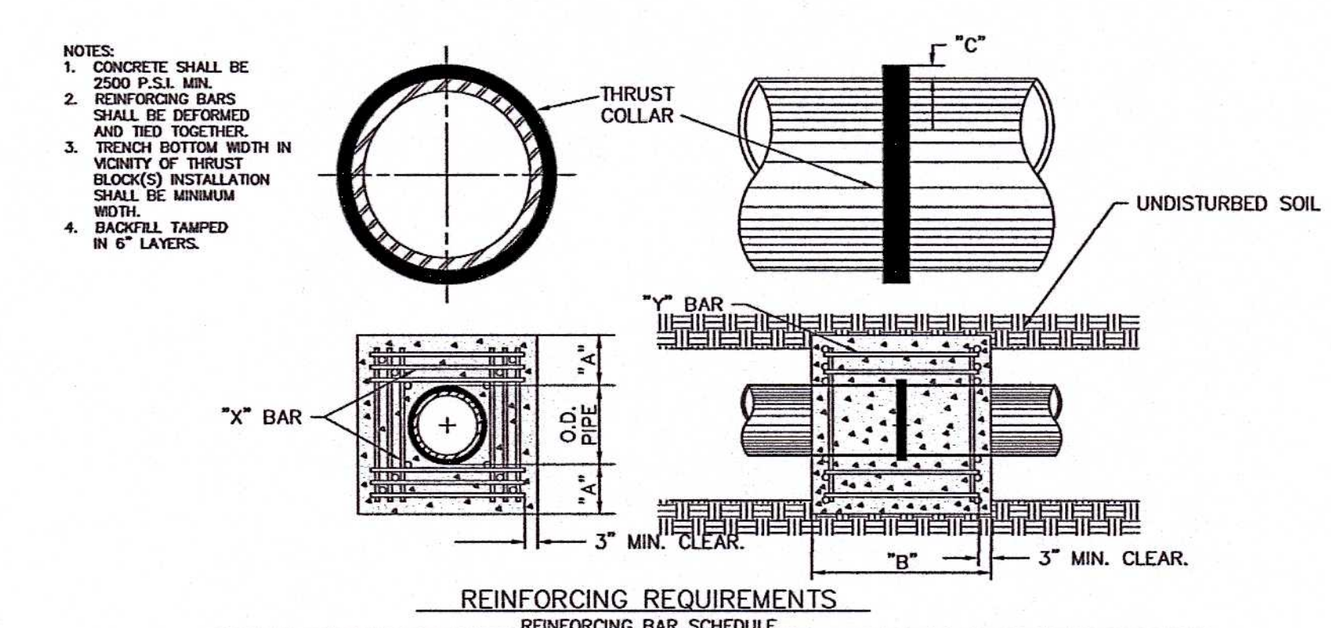
BRANCH STUB-OUT FOR FUTURE CONNECTION (6-INCH DIA AND LARGER MAIN)
DETAIL W-11

BLOCKING DIMENSIONS			
PIPE SIZE	(A)	(B)	(C)
UP TO 10"	4' - 0"	2' - 6"	1' - 6"
12" TO 16"	5' - 0"	4' - 0"	2' - 0"
18" TO 24"	8' - 0"	6' - 0"	3' - 0"



THRUST BLOCKS
DETAIL W-12

NOTES:
1. CONCRETE SHALL BE 2500 P.S.I. MIN.
2. REINFORCING BARS SHALL BE DEFORMED AND TIED TOGETHER.
3. TRENCH BOTTOM WIDTH IN VICINITY OF THRUST BLOCK(S) INSTALLATION SHALL BE MINIMUM WIDTH.
4. BACKFILL TAMPED IN 6" LAYERS.



REINFORCING REQUIREMENTS

REINFORCING BAR SCHEDULE						
I.D. PIPE	REBAR SIZE	"X" BAR LENGTH	"X" BAR WGHT.	"Y" BAR LENGTH	"Y" BAR WGHT.	NO. REQD.
6"-36"	#5	2'-2"+O.D. PIPE	1.043 LBS./FT	1'-1"	1.1 LBS. EA.	X-24,Y-12
48"	#6	3'-0"+O.D. PIPE	1.502 LBS./FT	1'-3"	1.9 LBS. EA.	X-24,Y-12

REINFORCING BAR SCHEDULE						
I.D. PIPE	"A"	"B"	"C" - 6"-16"	20"-24"	30"-36"	48"
6"-36"	1'-4"	1'-7"	2"	3"	4"	
48"	1'-8"	1'-9"				6"

THRUST COLLAR FOR WATER MAINS
DETAIL W-13

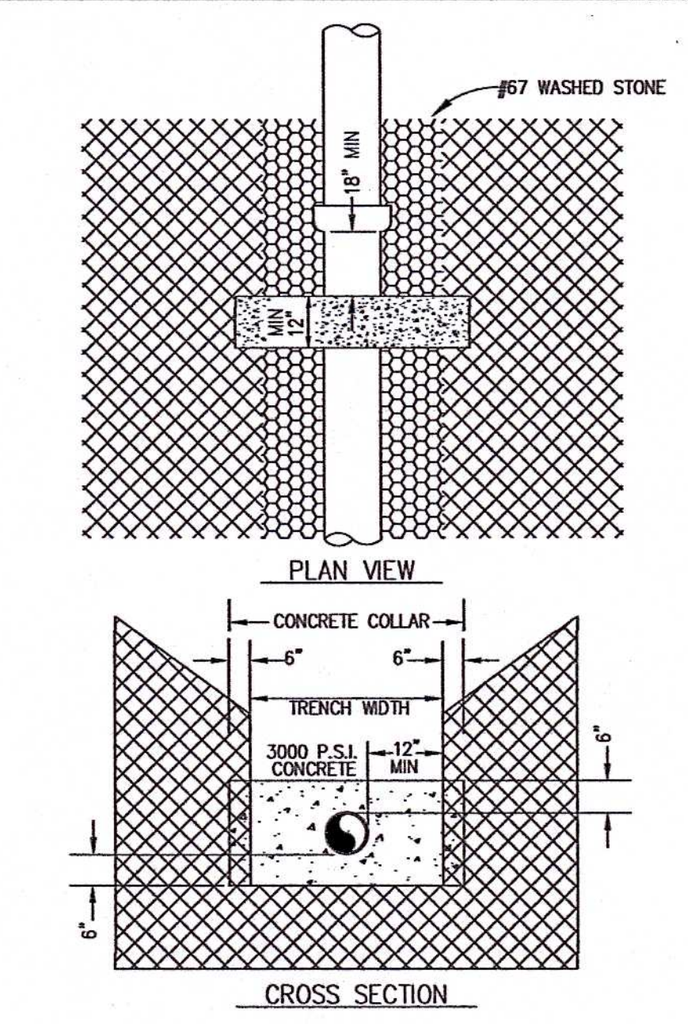
Date: 06-05-12
Scale: NTS
Drawn By: JDM
Checked By: WLP

4 OF 5

GENERAL WATER & SEWER DETAILS FOR BRUNSWICK COUNTY NORTH CAROLINA

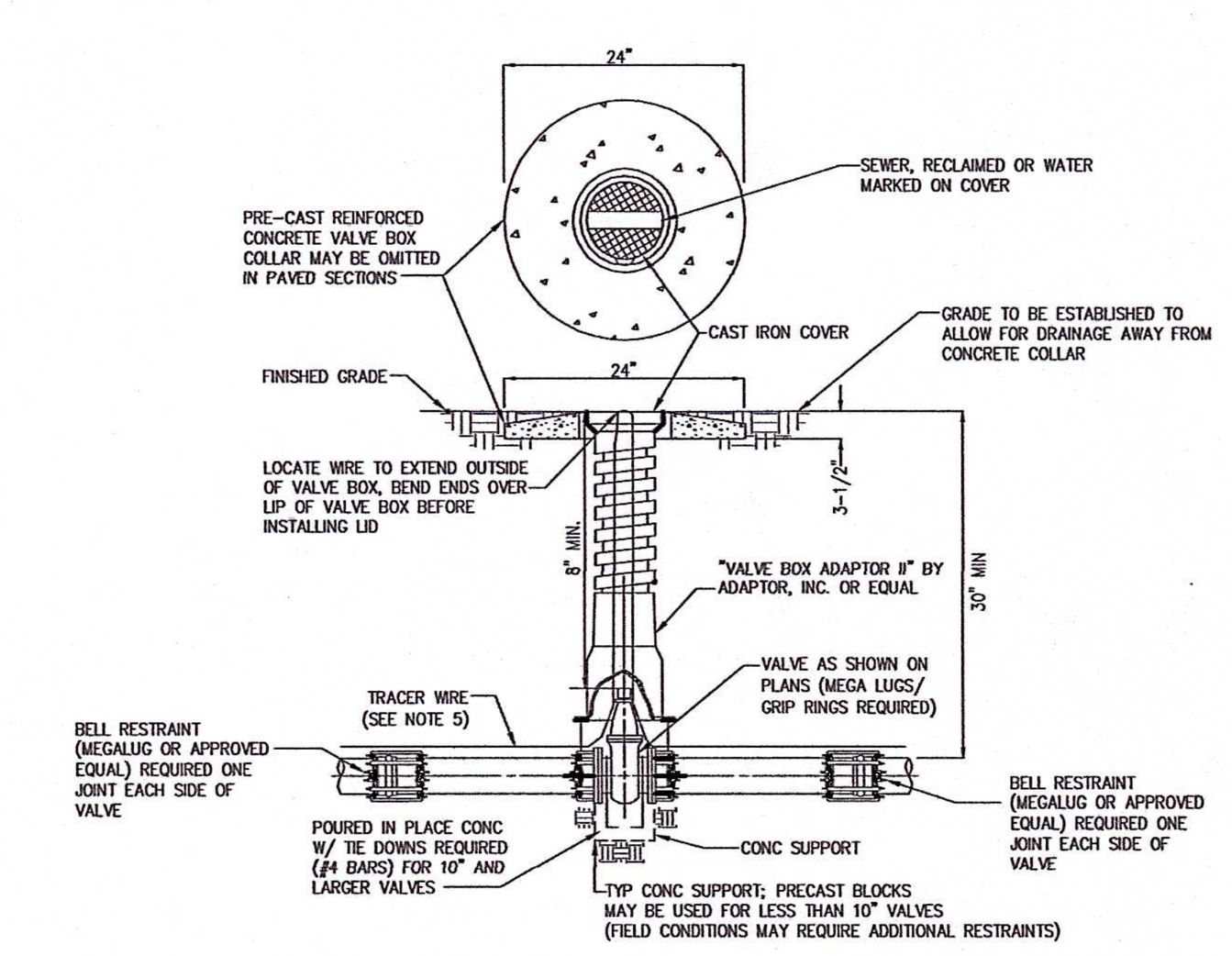
COUNTY OF BRUNSWICK

Revisions
1.01 - DATED 7/15/2015
1.02 - DATED 3/10/2017
1.03 - DATED 7/31/2018
Revise WS-11



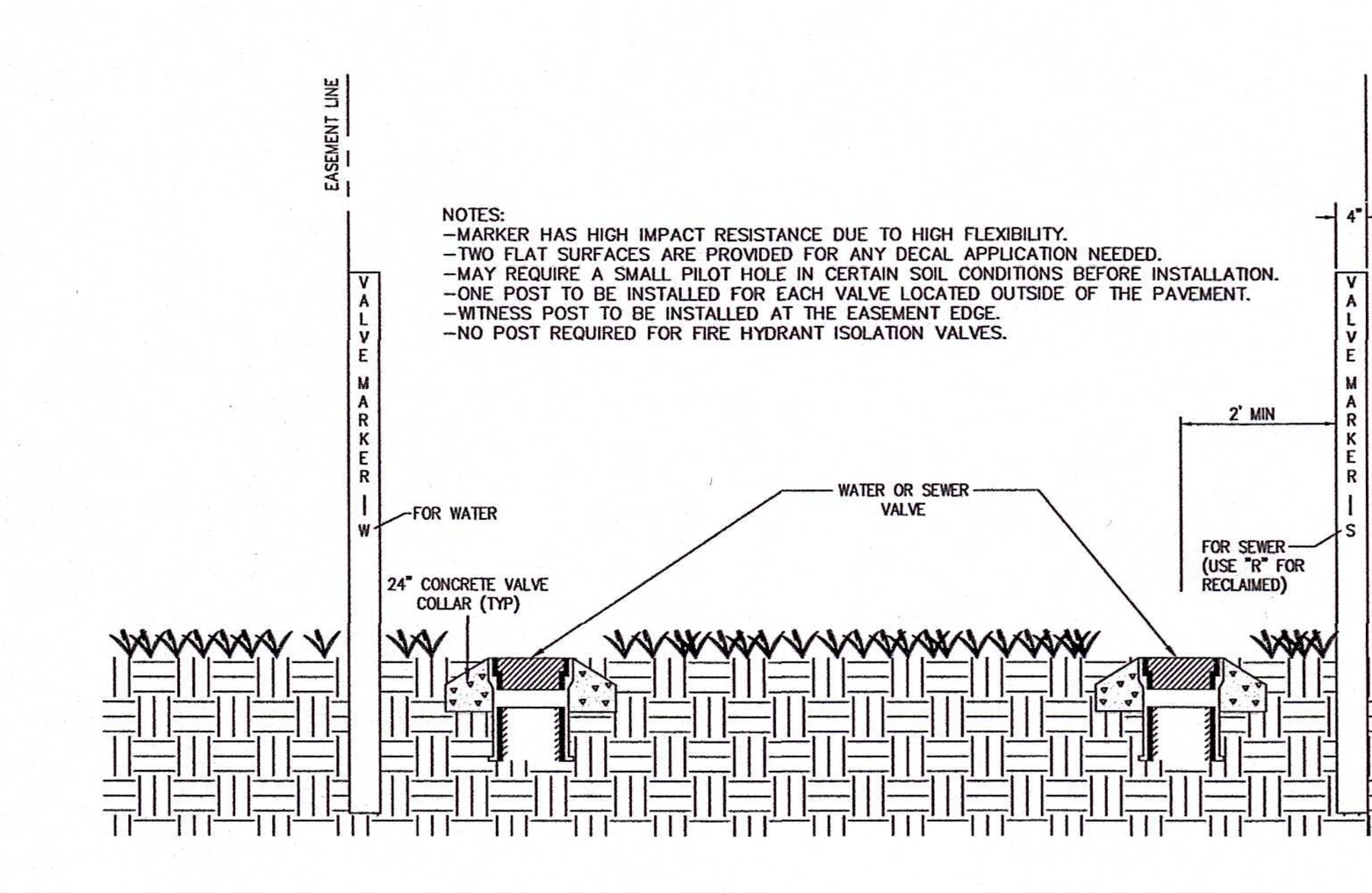
NOTES:
1. UNRESTRAINED SEWER LINES ON 20% SLOPE OR GREATER SHALL BE ANCHORED SECURELY WITH CONCRETE COLLARS. MINIMUM 1 CONCRETE COLLAR PER PIPE JOINT. ADDITIONAL COLLARS MAY BE REQUIRED BY ENGINEER.
2. COLLARS FOR ANTI-SEEPAGE (PIPING) CONTROL FOR PIPELINES CONSTRUCTED THROUGH WETLANDS SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE PLANS.

PIPE COLLAR DETAIL
WS-8



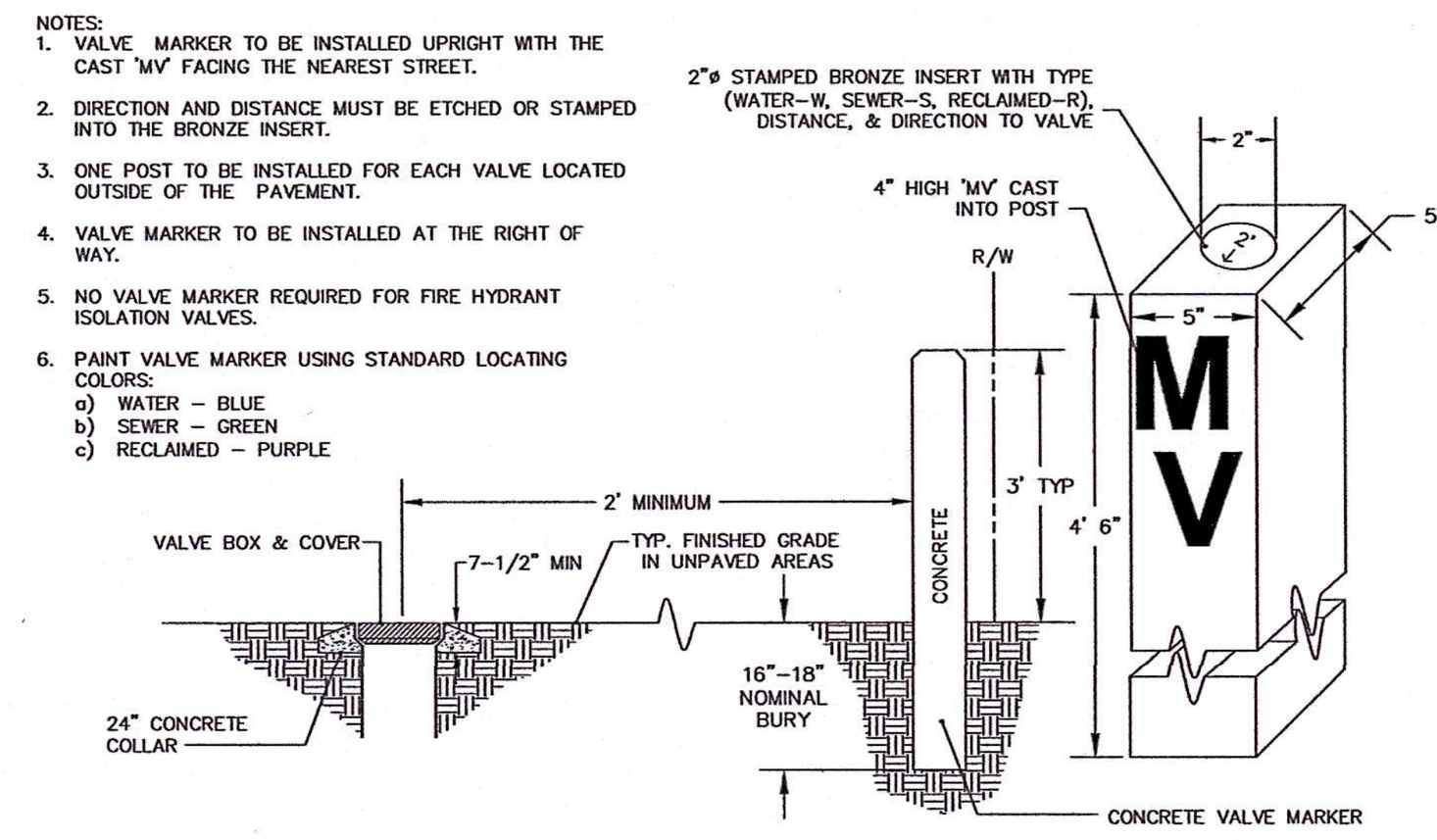
NOTES:
1. TOP OF VALVE BOX AND COLLAR SHALL BE PAINTED GREEN FOR SEWER FM, PURPLE FOR RECLAIMED WATER, AND BLUE FOR WATER.
2. EXTENSION STEM WILL BE REQUIRED TO BE WITHIN 2 FEET OF THE SURFACE IF OPERATING NUT WOULD OTHERWISE BE OVER 5 FEET BELOW GRADE. EXTENSIONS SHALL BE PERMANENTLY ATTACHED TO VALVE NUT AND SHALL BE PROVIDED WITH HORIZONTAL SPACERS FOR VERTICAL ALIGNMENT WITHIN THE VALVE BOX.
3. MINIMUM CLEARANCE TO EXTENSION IS 8".
4. WIRE COLORS REQUIRED: SEWER-GREEN/WATER-BLUE/RECLAIMED WATER-PURPLE OR GREEN WITH PURPLE STRIPE
5. 12 GA. COPPERHEAD SUPER FLEX TRACER WIRE OR APPROVED EQUAL.

VALVE BOX
DETAIL WS-9

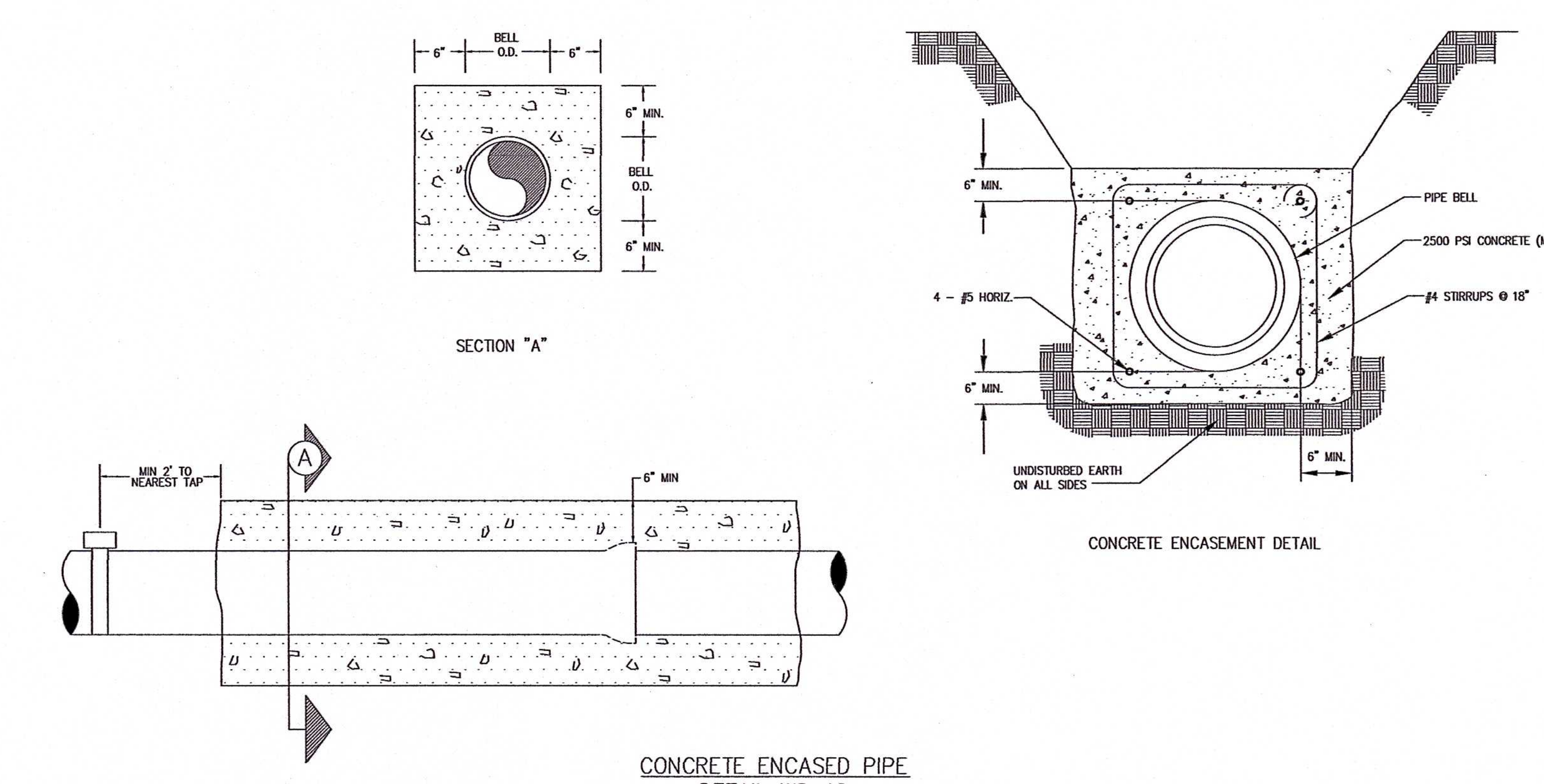


VALVE MARKER IN EASEMENTS (UNPAVED)
DETAIL WS-10

NOTES:
1. VALVE MARKER TO BE INSTALLED UPRIGHT WITH THE CAST 'MV' FACING THE NEAREST STREET.
2. DIRECTION AND DISTANCE MUST BE ETCHED OR STAMPED INTO THE BRONZE INSERT.
3. ONE POST TO BE INSTALLED FOR EACH VALVE LOCATED OUTSIDE OF THE PAVEMENT.
4. VALVE MARKER TO BE INSTALLED AT THE RIGHT OF WAY.
5. NO VALVE MARKER REQUIRED FOR FIRE HYDRANT ISOLATION VALVES.
6. PAINT VALVE MARKER USING STANDARD LOCATING COLORS:
a) WATER - BLUE
b) SEWER - GREEN
c) RECLAIMED - PURPLE



VALVE MARKER IN RIGHT OF WAY (PAVED)
DETAIL WS-11



CONCRETE ENCASED PIPE
DETAIL WS-12

Date: 06-12-12
Scale: NTS
Drawn By: JDM
Checked By: WLP

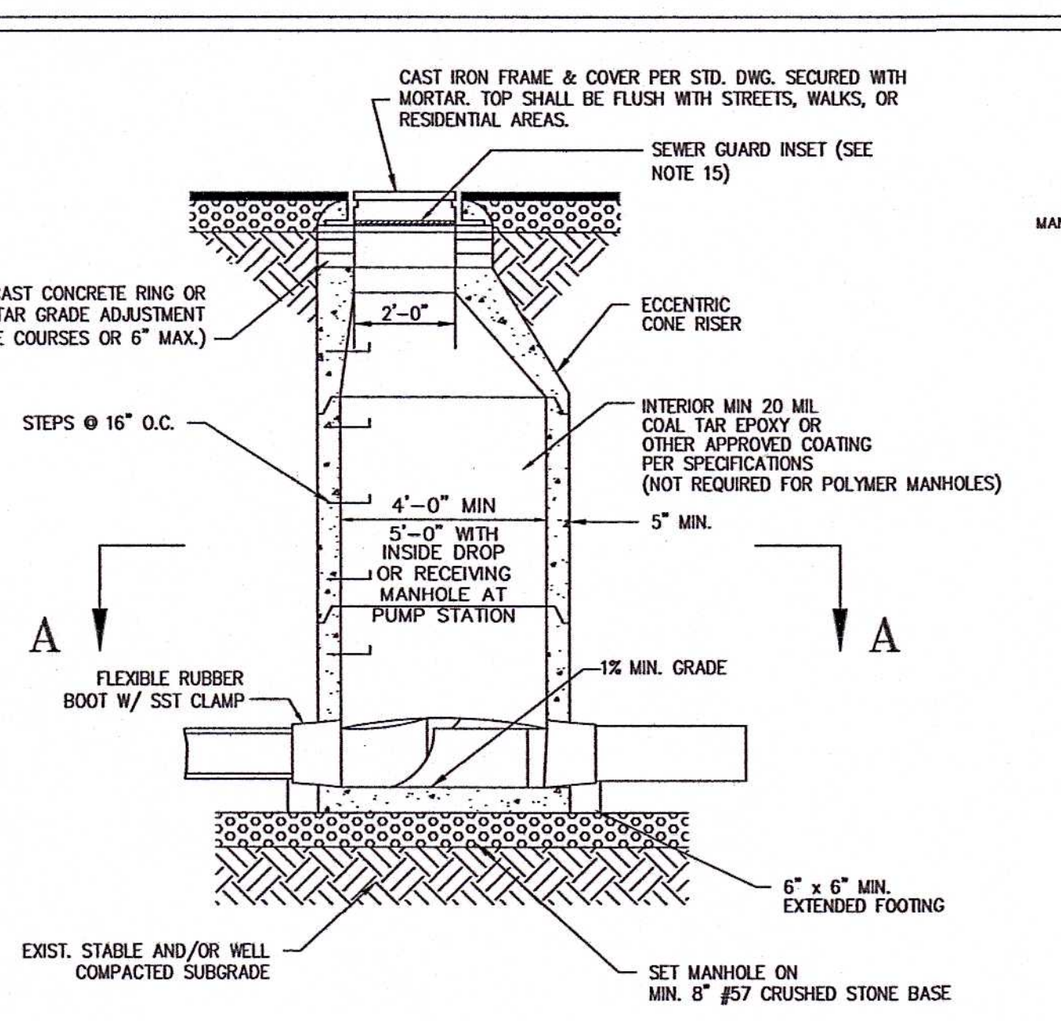
4 OF 7

GENERAL SEWER DETAILS FOR BRUNSWICK COUNTY NORTH CAROLINA

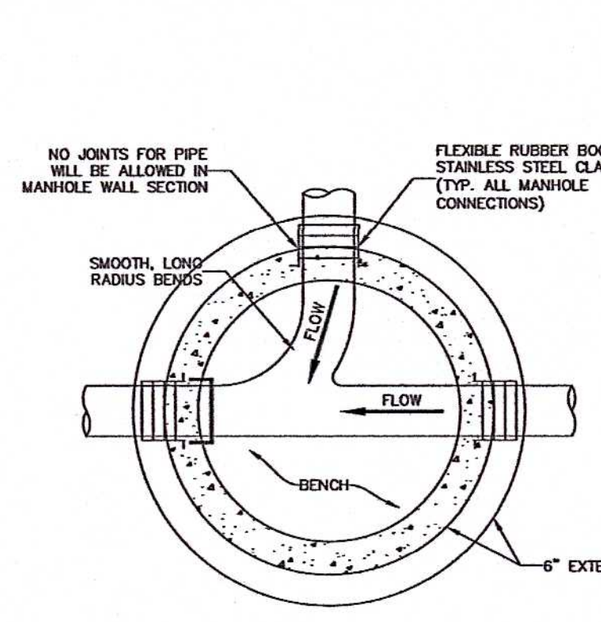
COUNTY OF BRUNSWICK

Revisions
1.01 - DATED 4/30/2013
1.02 - DATED 1/23/2019
1.03 - DATED 5/5/2020
1.04 - DATED 10/7/2020
Mod Detail S-3

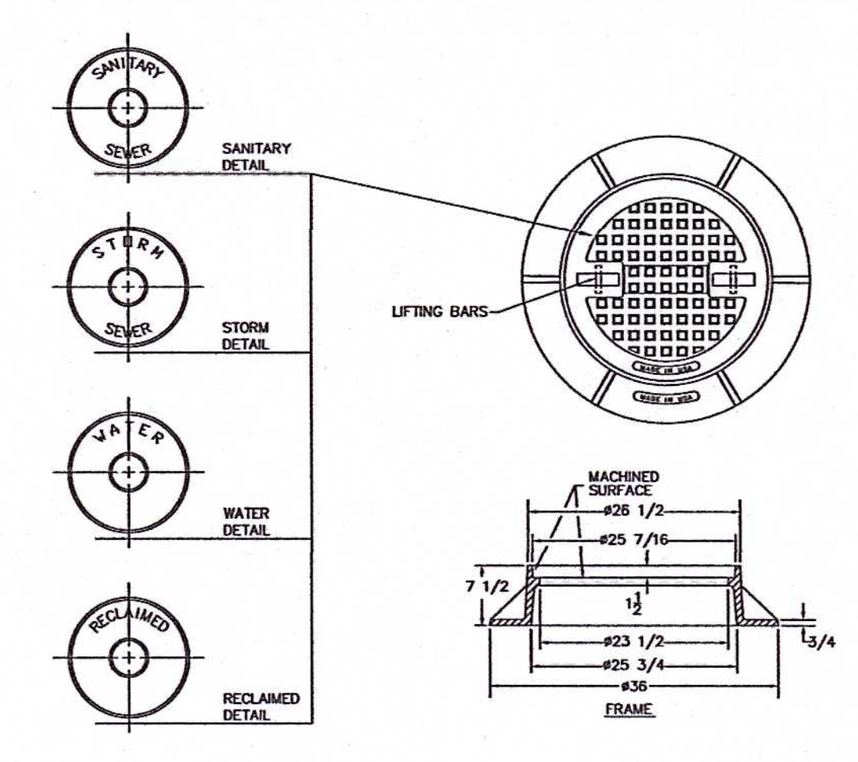
NOTES:
1. PRECAST CONCRETE MANHOLES SHALL MEET OR EXCEED THE REQUIREMENTS OF ASTM C 478. ALL SURFACES SHALL BE SMOOTH AND EVEN TEXTURED WITH A MINIMUM OF HONEYCOMB, FIN, AND OTHER IMPERFECTIONS.
2. JOINTS BETWEEN MANHOLE SECTIONS SHALL BE SEALED WATERTIGHT USING EITHER O-RING GASKETS CONFORMING WITH ASTM C 443 OR BUTYL RESIN CONFORMING WITH AASHTO M-198.
3. EXTERIOR JOINTS SHALL BE SEALED WITH A 4" WIDE BUTYL RUBBER WRAP.
4. ADD INTERIOR HIGH SOLIDS EPOXY PROTECTION COATING FOR EXISTING MANHOLES RECEIVING DISCHARGE FROM FORCE MAINS PER BRUNSWICK COUNTY TECHNICAL SPECIFICATIONS (MIN. 20 MILS).
5. HOLES FOR CONNECTION OF PIPE TO MANHOLE SHALL BE PRECAST OR CORED. DIAMETER OF HOLE SHALL NOT EXCEED OUTSIDE DIAMETER OR PIPE BY MORE THAN 3 INCHES.
6. CONNECTIONS OF PIPE TO MANHOLE SHALL BE MADE WATERTIGHT USING RESILIENT CONNECTORS CONFORMING TO ASTM C 923 OR NEOPRENE BOOTS EMBEDDED IN PRECAST BASE WITH STAINLESS STEEL COMPRESSION BANDS.
7. MANHOLE INVERTS SHALL BE INSTALLED USING BRICK AND MORTAR, OR MANHOLES MAY BE PRECAST, MONOLITHIC SECTIONS WITH FORMED INVERTS.
8. LIFT HOLES SHALL BE PLUGGED AND FILLED FLUSH WITH MORTAR.
9. ALL BRICK AND MORTAR SHALL RECEIVE A 1/2" MORTAR PARGE COAT ON INSIDE AND OUTSIDE.
10. ALL BOOTS AND PIPES MUST BE FULLY MORTARED ON THE INSIDE AND OUTSIDE OF THE MANHOLE WITH TYPE S MORTAR.
11. SEWER MAIN PENETRATIONS AND/OR SERVICE LATERAL PENETRATIONS ENTERING AT 30" OR LESS ABOVE THE MANHOLE BENCH SHALL HAVE A SLIDE CONSTRUCTED OF BRICK AND MORTAR.(SEE DETAIL)
12. ALL PENETRATIONS ENTERING MANHOLE AT GREATER THAN 30" SHALL BE AN INSIDE DROP MANHOLE (SEE DETAIL).
13. INSIDE DROP MANHOLES, AND PUMP STATION RECEIVING MANHOLES SHALL BE MINIMUM 5' DIAMETER MANHOLES.
14. SANITARY SEWER MANHOLES SHALL BE COATED WITH COAL TAR EPOXY 20 MILS THROUGHOUT THE INSIDE OF THE MANHOLE.
15. ALL MANHOLES SHALL HAVE A SEWER GUARD INSERT INSTALLED - PLASTIC IS ALLOWED IN NON-TRAFFIC AREAS - STAINLESS STEEL INSERT PANS ARE REQUIRED IN TRAFFIC AREAS
16. MANHOLES SHALL BE TRAFFIC BEARING WITH A MINIMUM HS-20 LOAD ALLOWANCE.
17. FOR NEW SEWER FORCE MAINS CONNECTING TO AN EXISTING COUNTY GRAVITY SYSTEM THAT REQUIRES THE CUT IN OF A NEW MANHOLE:
THE NEW SEWER MANHOLE SHALL BE PRECAST POLYMER CONFORMING TO ASTM C478 AS MANUFACTURED BY ARMOROCK, MEYER POLYCRETE OR APPROVED EQUAL. RISER SECTION JOINTS SHALL BE BELL AND SPIGOT /SHIP-LAP DESIGN SEAMED WITH BUTYL MASTIC AND/OR RUBBER GASKETS (ASTM C990) SO THAT ON ASSEMBLY THE MANHOLE BASE, RISER(S) AND TOP SECTIONS MAKE A CONTINUOUS AND UNIFORM MANHOLE STRUCTURE.



PRECAST CONCRETE MANHOLE
DETAIL S-1

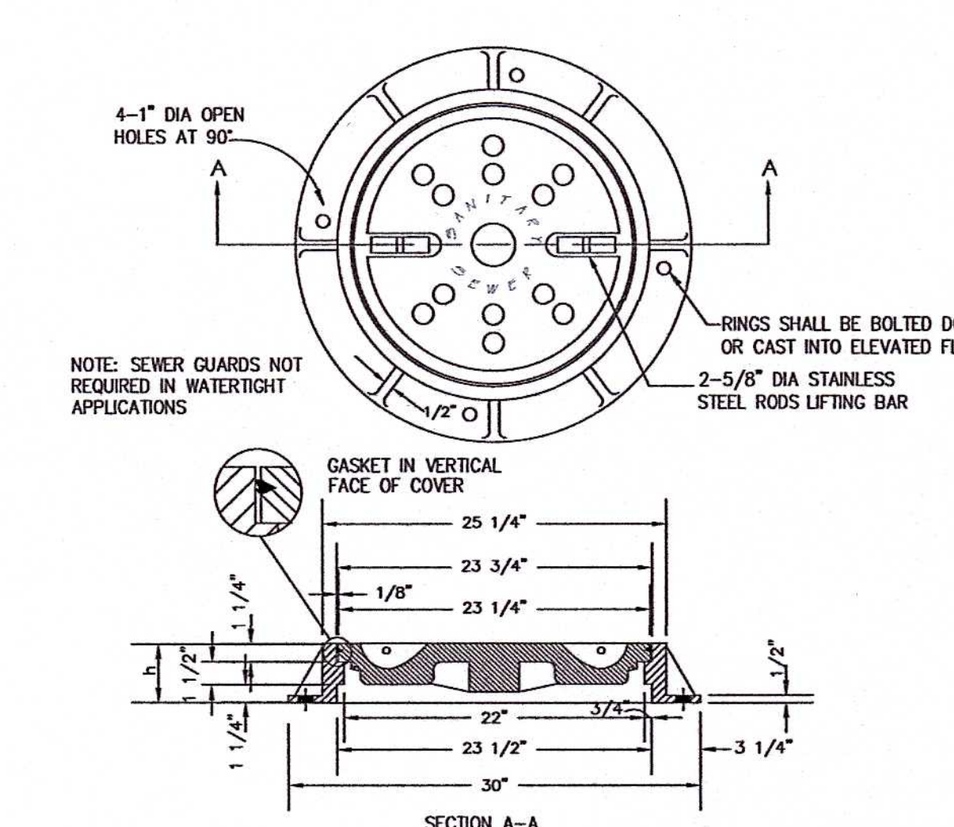


SECTION A-A



MANUFACTURER	MODEL NUMBER
US FOUNDRY	725 RING / DP-SSG COVER
US FOUNDRY	710 RING / DP-SSG COVER
CAPITAL FOUNDRY	MH-3000
EAST JORDAN IRON WORKS	202711 RING / 202746 COVER
GENERAL FOUNDRIES	GFI-7126 / GFI-41261

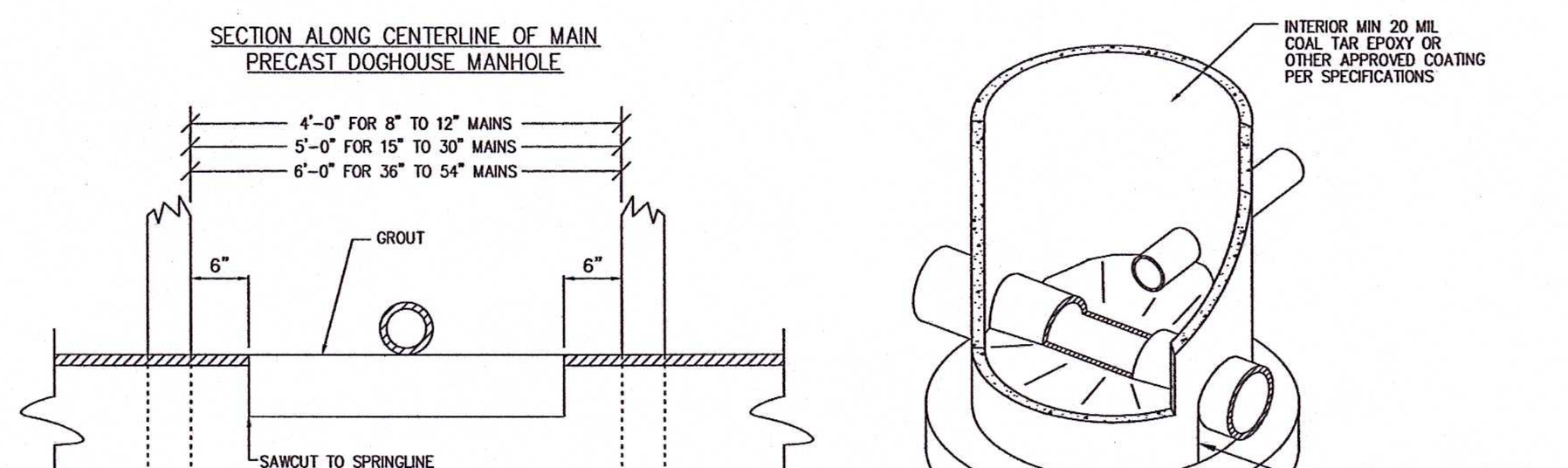
STANDARD MANHOLE RING AND COVER
DETAIL S-2



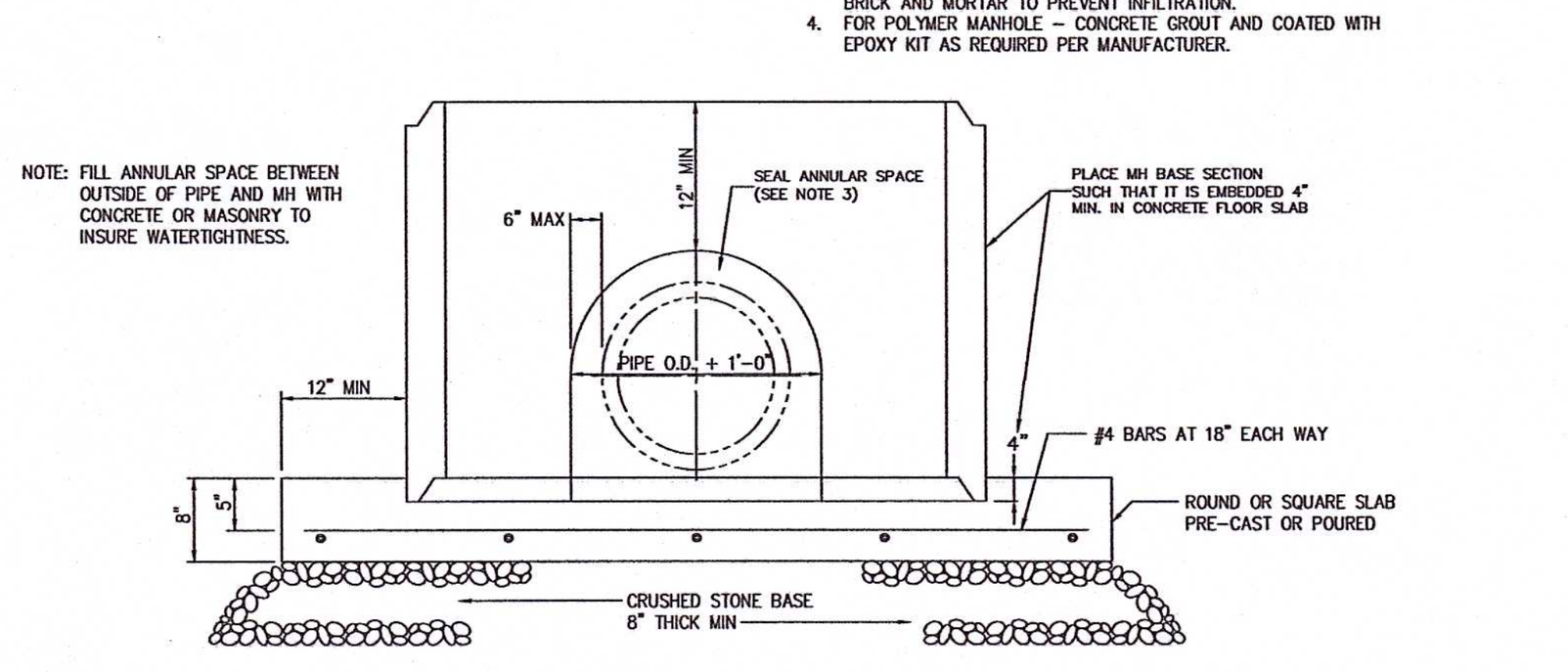
MANUFACTURER	MODEL NUMBER
US FOUNDRY	725 RING / DP-LOC SSG
US FOUNDRY	710 RING / DP-LOC SSG
CAPITAL FOUNDRY	MH-3000-WT
EAST JORDAN IRON WORKS	202701 RING / 202722 COVER

WATERTIGHT MANHOLE RING AND COVER
DETAIL S-3

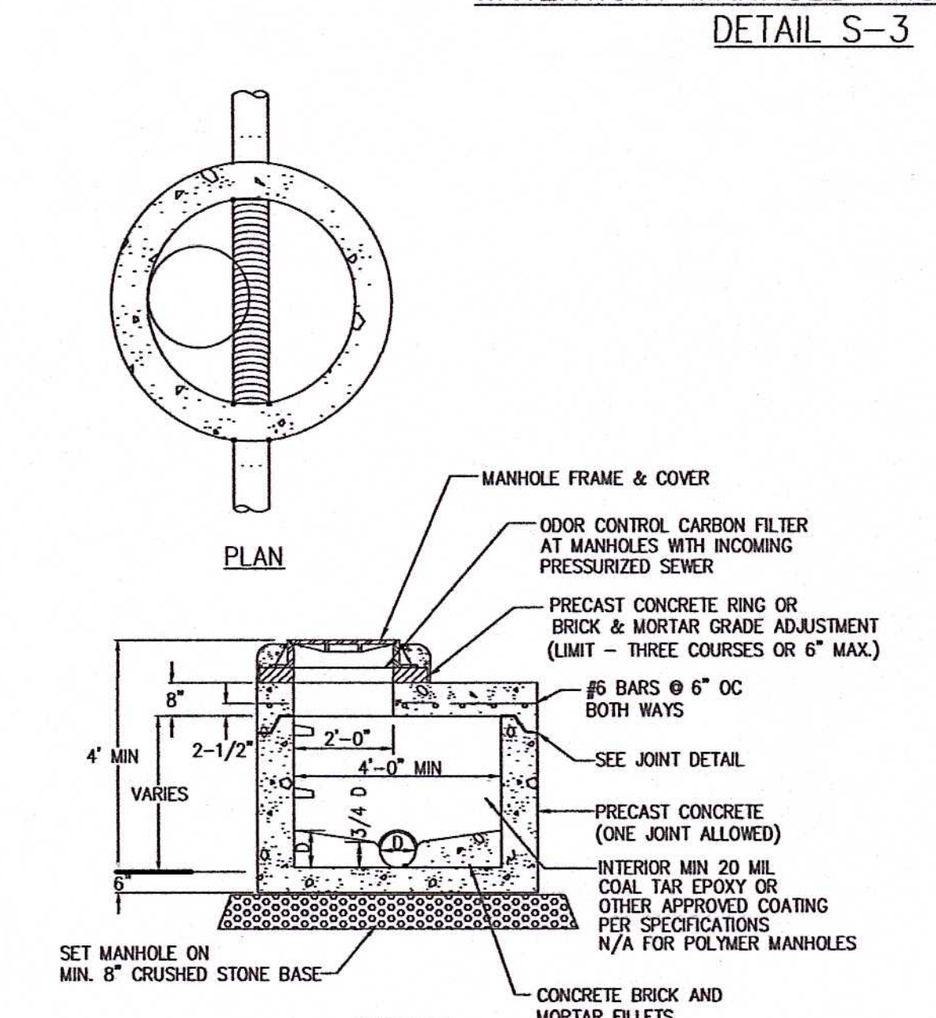
SECTION ALONG CENTERLINE OF MAIN
PRECAST DOGHOUSE MANHOLE



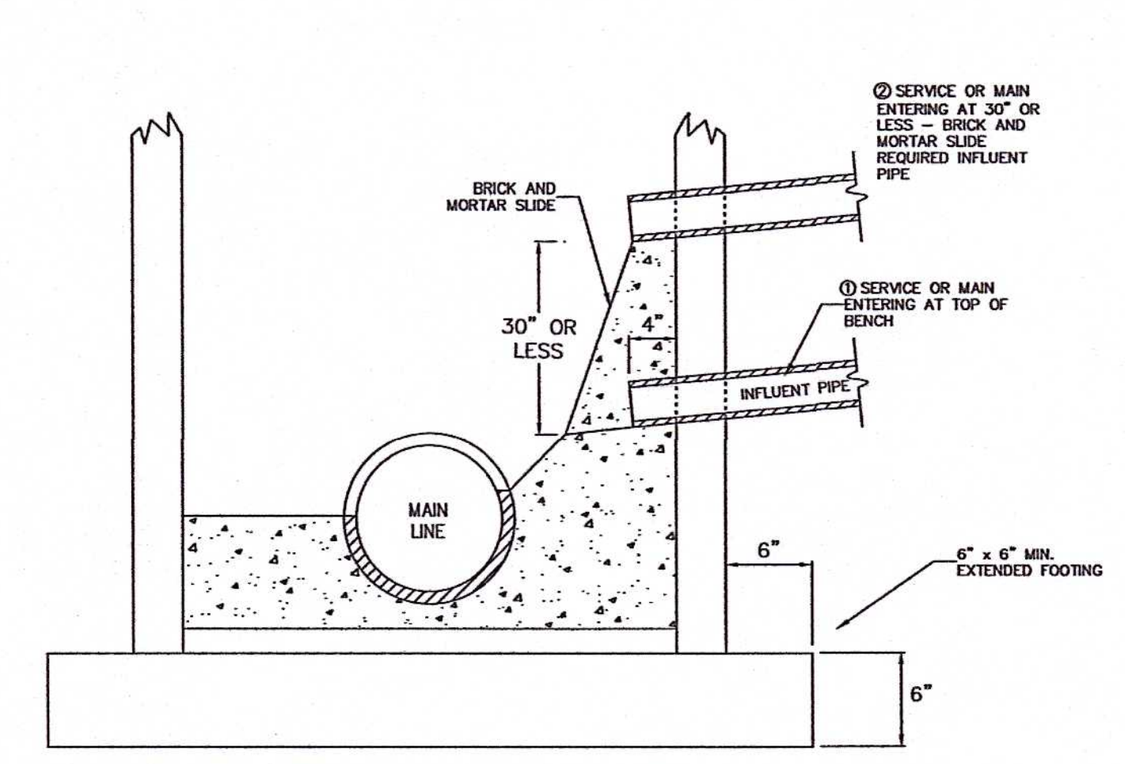
NOTES:
1. FLOW SHALL BE MAINTAINED DURING CONSTRUCTION.
2. THIS DETAIL TO BE USED WHEN A NEW 6" OR LARGER LATERAL OR MAIN NECESSITATES CONSTRUCTION OF A NEW MANHOLE.
3. ANNULAR SPACE BETWEEN PIPE AND MANHOLE MUST BE SEALED WITH BRICK AND MORTAR TO PREVENT INFILTRATION.
4. FOR POLYMER MANHOLE - CONCRETE GROUT AND COATED WITH EPOXY KIT AS REQUIRED PER MANUFACTURER.



PRECAST CONCRETE DOGHOUSE MANHOLE
DETAIL S-4



SHALLOW PRECAST CONCRETE MANHOLE WITH FLAT TOP
DETAIL S-5



CROSS SECTION AT EXISTING MANHOLE MAINS OR SERVICES ENTERING MANHOLE
DETAIL S-6

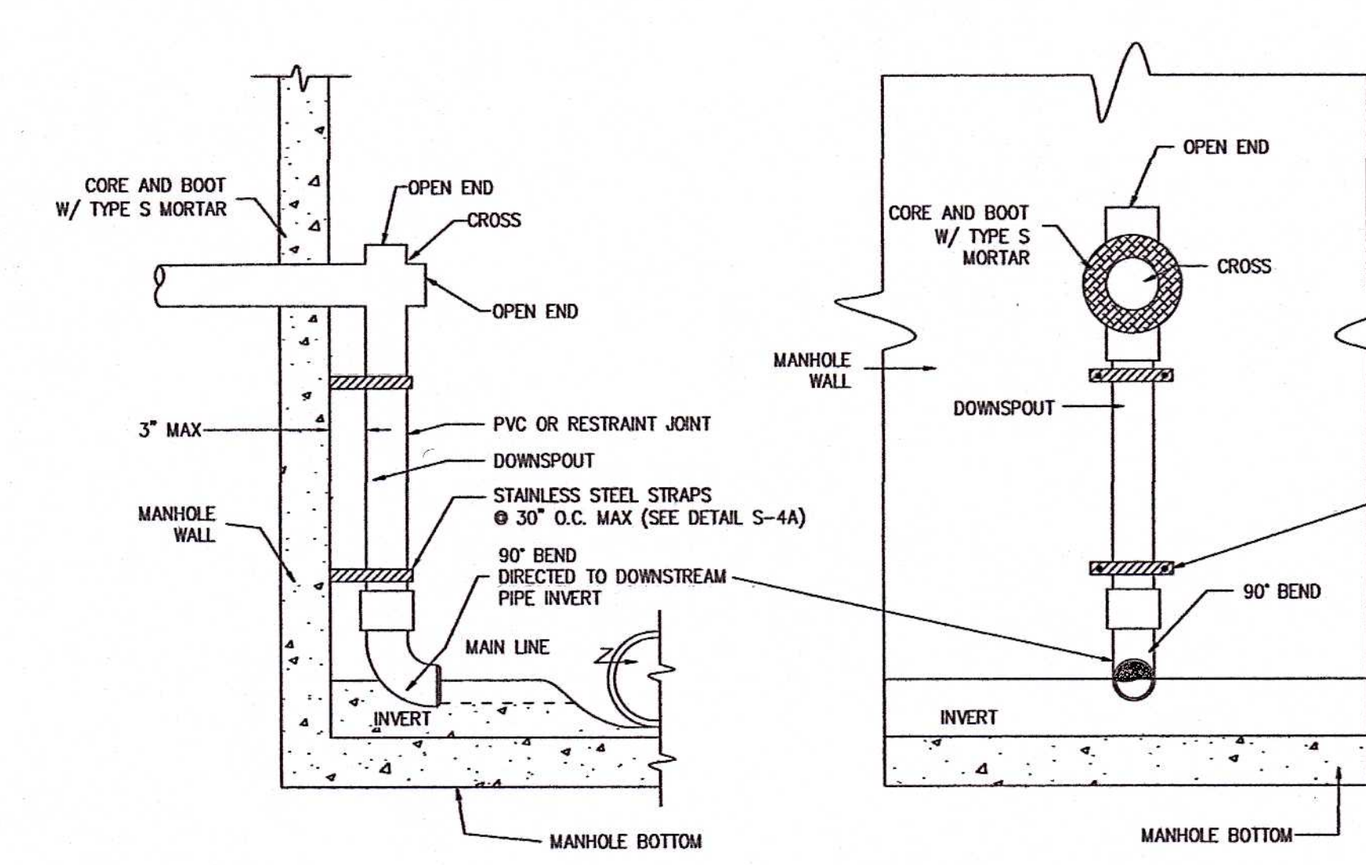
Date: 06-14-12
Scale: NTS
Drawn By: JDM
Checked By: WLP

1 OF 5

GENERAL SEWER DETAILS FOR BRUNSWICK COUNTY NORTH CAROLINA

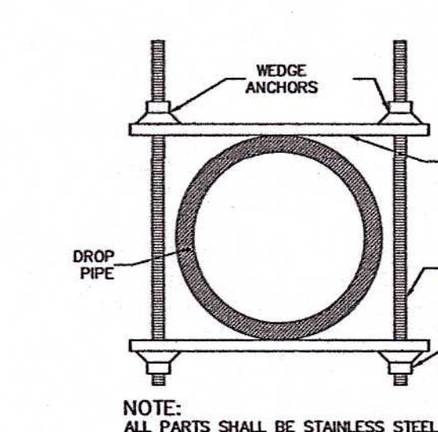
COUNTY OF BRUNSWICK

Revisions
1.01 - DATED 4/30/2013
Mod S-7, Add. S-7A
1.02 - DATED 1/23/2019
Mod S-7, S-8
1.03 - DATED 3/18/2020
Mod S-7

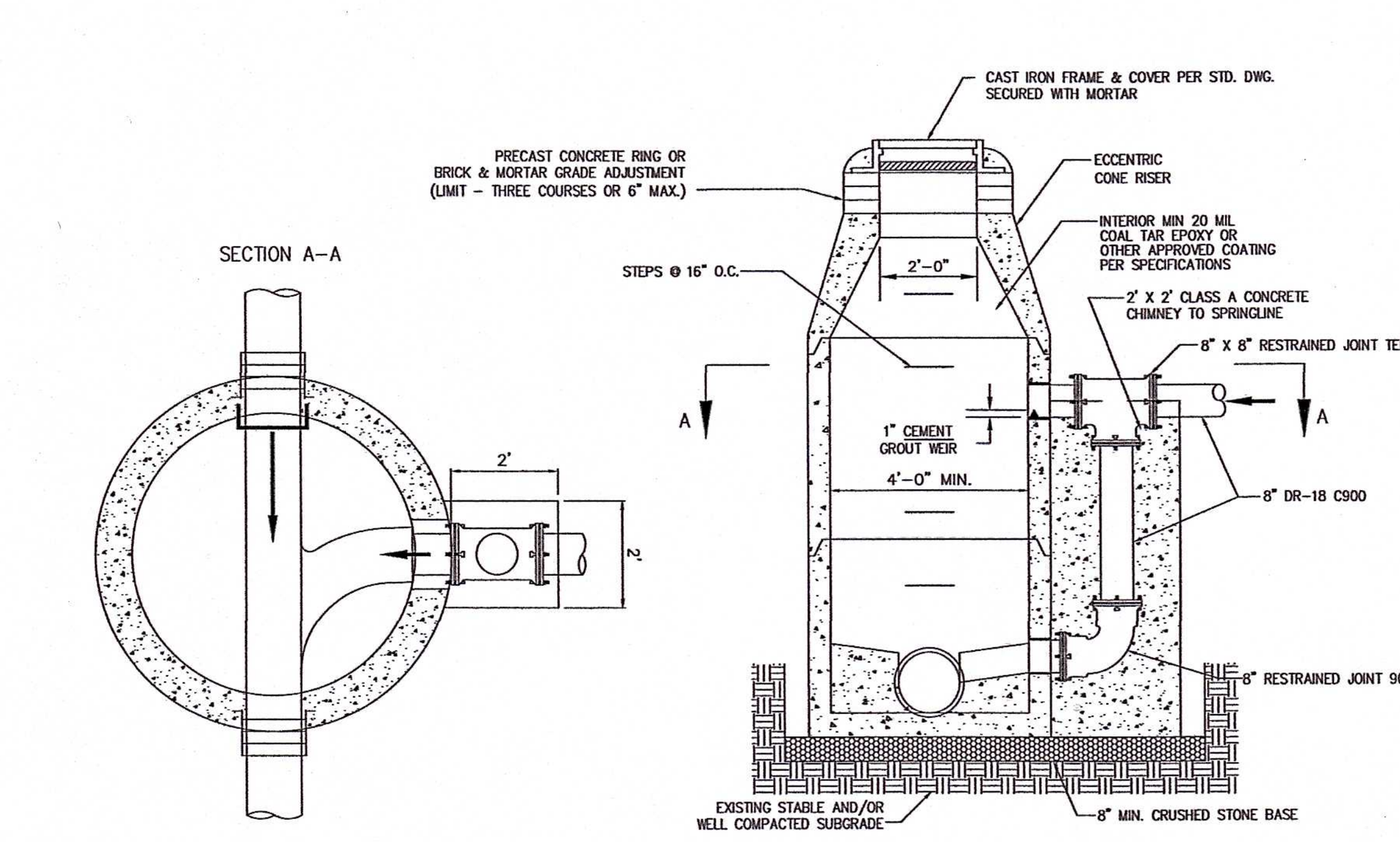


NOTES:
1. PIPING CONFIGURATION TO BE USED ON ALL DROPS ENTERING AT GREATER THAN 30" ABOVE BENCH.
2. FOR LOW PRESSURE SEWER CONNECTIONS, CROSS SHALL BE REPLACED BY A TEE (OPEN END UP).
3. FOR HIGH PRESSURE FORCE MAINS, CROSS SHALL BE REPLACED BY A RJ 90° BEND.
4. LINE MAY NOT ENTER MANHOLE THROUGH CONE SECTION OR THROUGH ANY JOINT.
5. STAINLESS STEEL STRAPPING SHALL BE 1" WIDE BY ⅛" THICK AND ATTACHED TO THE MANHOLE WALL WITH STAINLESS STEEL MASONRY ANCHORS. FOR INTERIOR STRAPPING OF DROP PIPE, SEE DETAIL S-7A.

INSIDE DROP PIPING FOR MANHOLE
DETAIL S-7

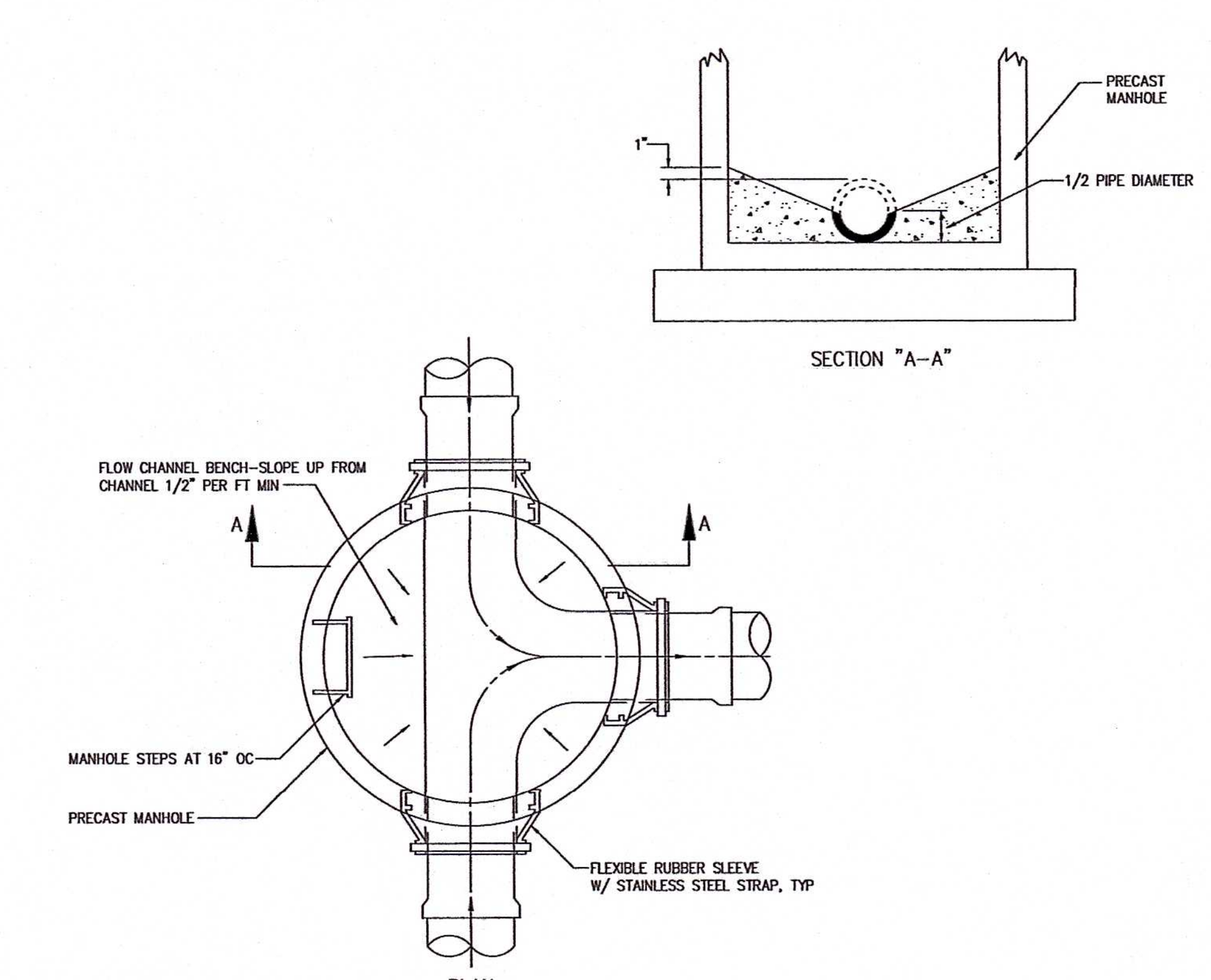


DROP PIPE STRAP
DETAIL S-7A

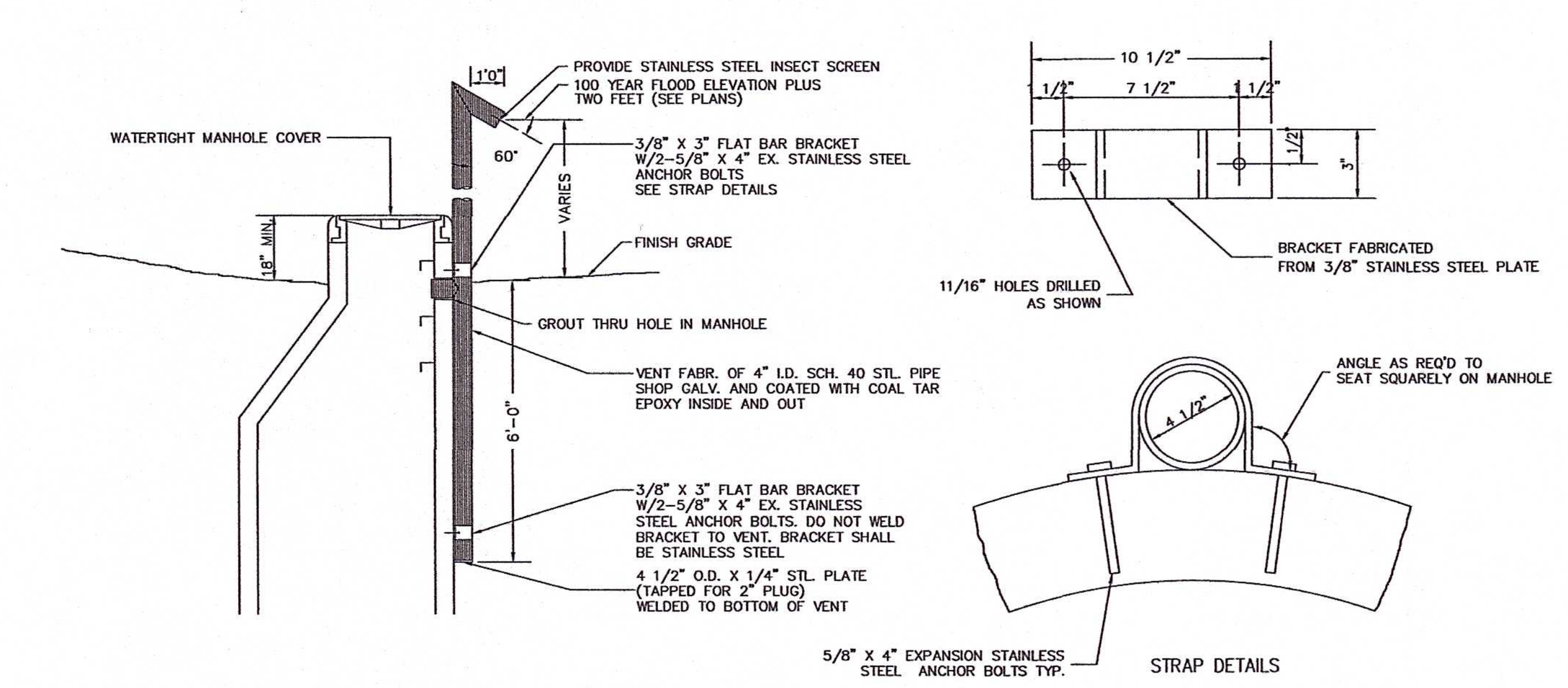


NOTES:
1. CONSTRUCT OUTSIDE DROP CONCRETE AND PIPING WITH EACH SECTION OF MANHOLE RISER.
2. DO NOT RETROFIT OUTSIDE DROP TO EXISTING MANHOLE. USE INSIDE DROP INSTEAD.
3. ALL OUTSIDE DROP SANITARY SEWER MANHOLES MUST BE APPROVED BY BRUNSWICK COUNTY ENGINEERING.
4. ALL EXTERIOR JOINTS SHALL BE SEALED WITH A 4" WIDE BUTYL RUBBER WRAP.

PRECAST MANHOLE WITH OUTSIDE DROP
DETAIL S-8



TYPICAL MANHOLE INVERTS
DETAIL S-9



MANHOLE VENTING FOR FLOODPLAIN AREAS
DETAIL S-10

Date: 06-18-12
Scale: NTS
Drawn By: JDM
Checked By: WLP

2 OF 5

FOR PERMIT ONLY

NOTES & DETAILS
BRUNSWICK COUNTY HEALTH & HUMAN SERVICES
67 GOVERNMENT CENTER DR NE
BOLIVIA, NC 28422

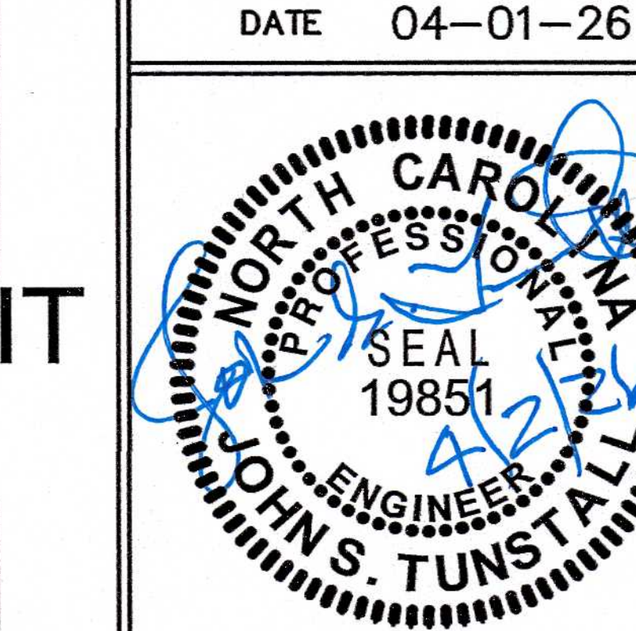
OWNER/DEVELOPER
STEVE STONE, COUNTY MANAGER
BRUNSWICK COUNTY
P.O. BOX 249
BOLIVIA, NC 28422
910-253-2015
steve.stone@brunswickcountync.gov

Tunstall Consulting Engineers PLLC
2602 IRON GATE DR., SUITE 102
WILMINGTON, NC 28412
PHONE (910) 343-9653
LICENSE# P-3152

25001

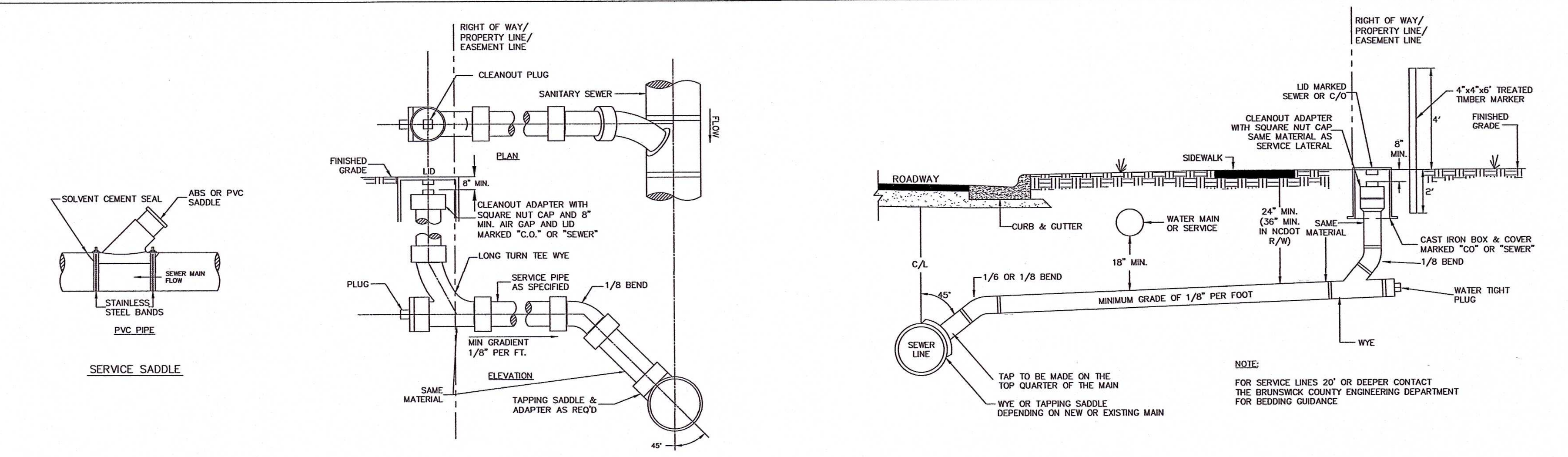
DES. JST
CKD. TJC
DRWN. MWA

DATE 04-01-26



C8.1

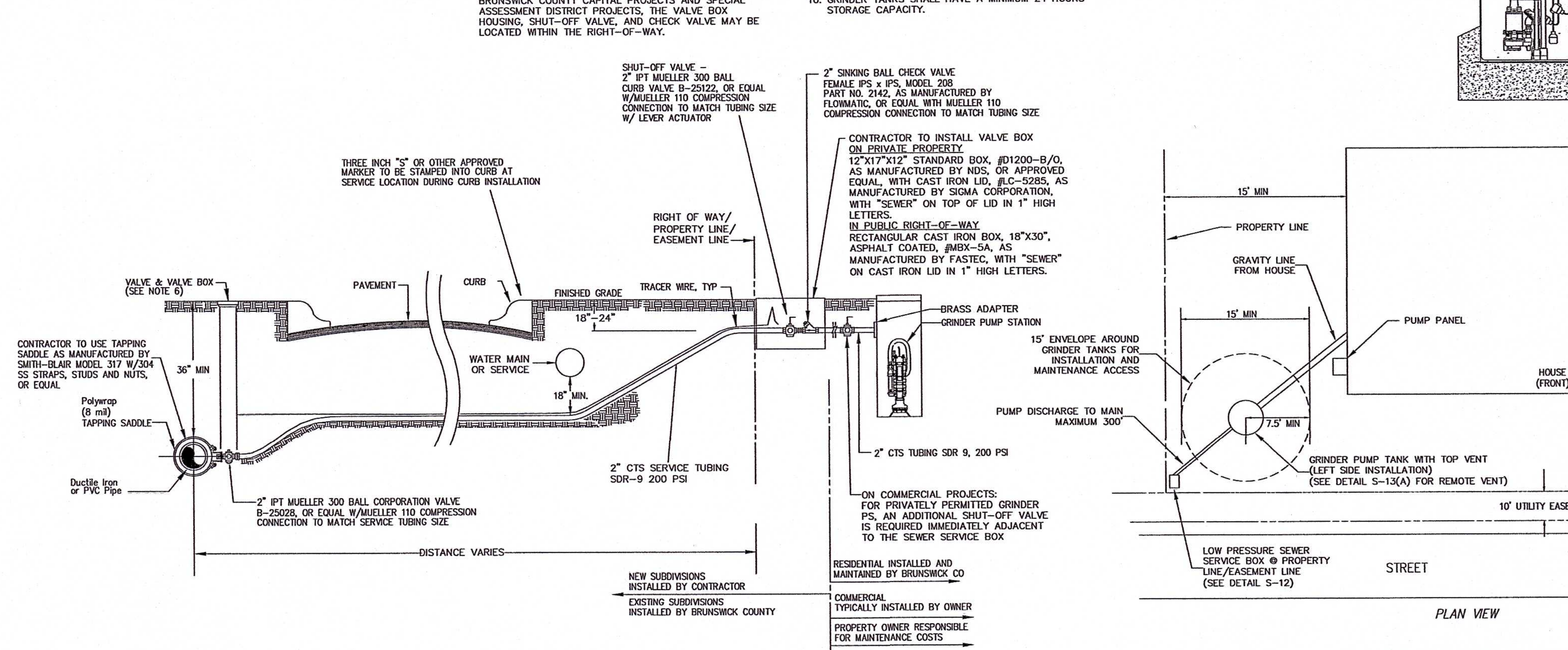
C:\Users\Thomas\AppData\Local\Temp\AcPublish_38788\25001 DETAIL SHEETS.dwg (C8.1-BC) Plotted on: Apr 02, 2026 - 12:14pm by Thomas



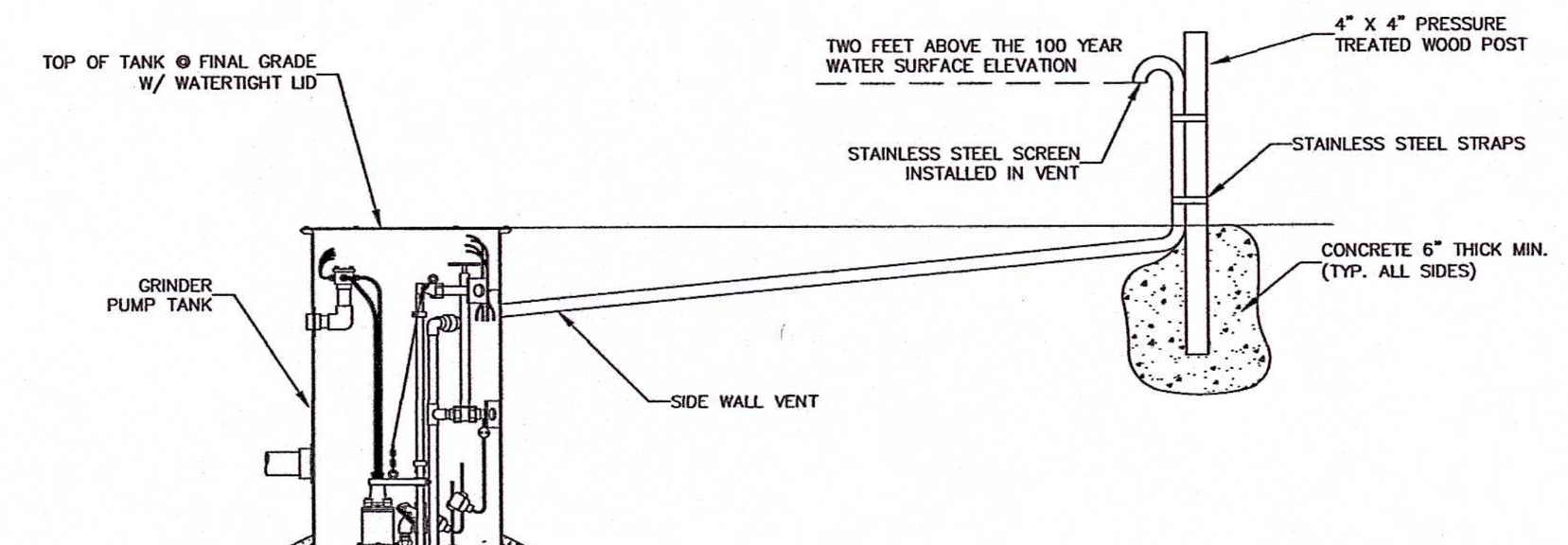
SANITARY SEWER GRAVITY TAPS & SERVICE LATERALS
DETAIL S-11

NOTES:

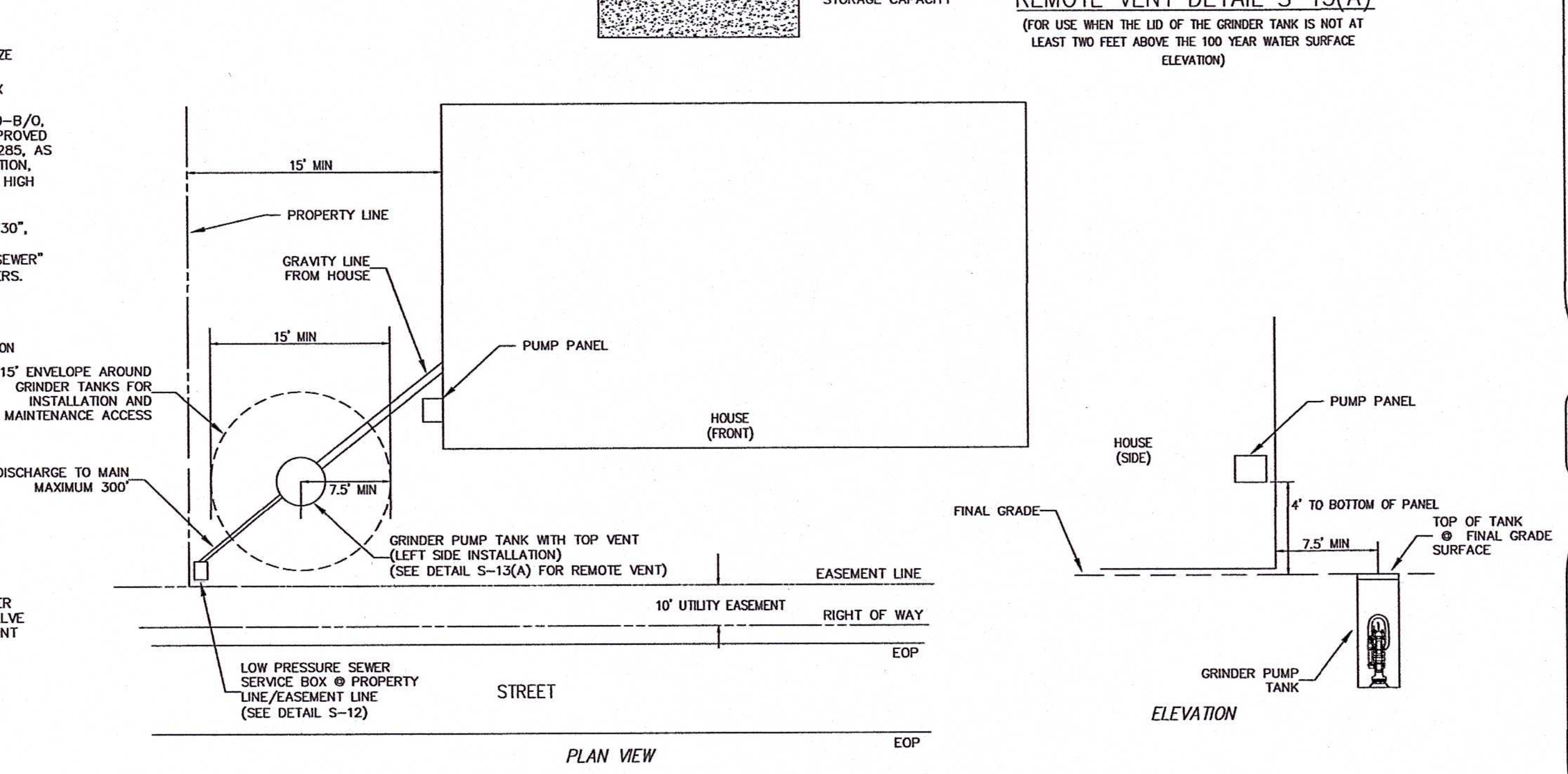
1. ALL TAPS WILL BE MADE IN ACCORDANCE WITH BRUNSWICK COUNTY SPECIFICATIONS AND AWWA GUIDELINE "ANSI/AWWA C600-93" OR LATEST REVISION FOR TAPPING THROUGH POLYETHYLENE ENCASEMENT.
2. ALL MATERIAL TO COMPLY WITH BRUNSWICK COUNTY SPECIFICATIONS.
3. TRACER WIRE SHALL BE INSTALLED FROM THE LOW PRESSURE MAIN TO INSIDE THE VALVE BOX.
4. THE HOMEOWNER IS RESPONSIBLE FOR THE GRAVITY CONNECTION FROM THE STRUCTURE TO THE GRINDER PUMP STATION AND FOR THE ELECTRICAL WIRING TO PROVIDE POWER TO THE PUMP PANEL.
5. AT THE DISCRETION OF BRUNSWICK COUNTY, ON SELECT BRUNSWICK COUNTY CAPITAL PROJECTS AND SPECIAL ASSESSMENT DISTRICT PROJECTS, THE VALVE BOX HOUSING, SHUT-OFF VALVE, AND CHECK VALVE MAY BE LOCATED WITHIN THE RIGHT-OF-WAY.
6. VALVE BOX AND LID ARE NOT REQUIRED ON SHORT SIDE TAPS IN NON-PUBLIC R/W.
7. COUNTY-PERMITTED AND COUNTY-MAINTAINED LOW PRESSURE GRINDER PUMP STATIONS SHALL BE LOCATED NO FURTHER THAN 300 LINEAR FEET FROM THE MAIN AS MEASURED ALONG THE PIPE.
8. GRINDER TANKS TO BE LOCATED IN THE FRONT OR EITHER SIDE YARD IN THE FRONT CORNER; GRINDER TANKS SHALL NOT BE PERMITTED IN THE REAR OF THE STRUCTURE.
9. THE ENIRE GRINDER PUMP, MAINTENANCE ENVELOPE AND ACCESS PATH MUST BE LOCATED WITHIN THE PROPERTY BOUNDARY
10. GRINDER TANKS SHALL HAVE A MINIMUM 24 HOURS STORAGE CAPACITY.



LOW PRESSURE SEWER CONNECTION
DETAIL S-12



REMOTE VENT DETAIL S-13(A)
(FOR USE WHEN THE LID OF THE GRINDER TANK IS NOT AT LEAST TWO FEET ABOVE THE 100 YEAR WATER SURFACE ELEVATION)



TYPICAL RESIDENTIAL GRINDER PUMP STATION LOCATION
DETAIL S-13

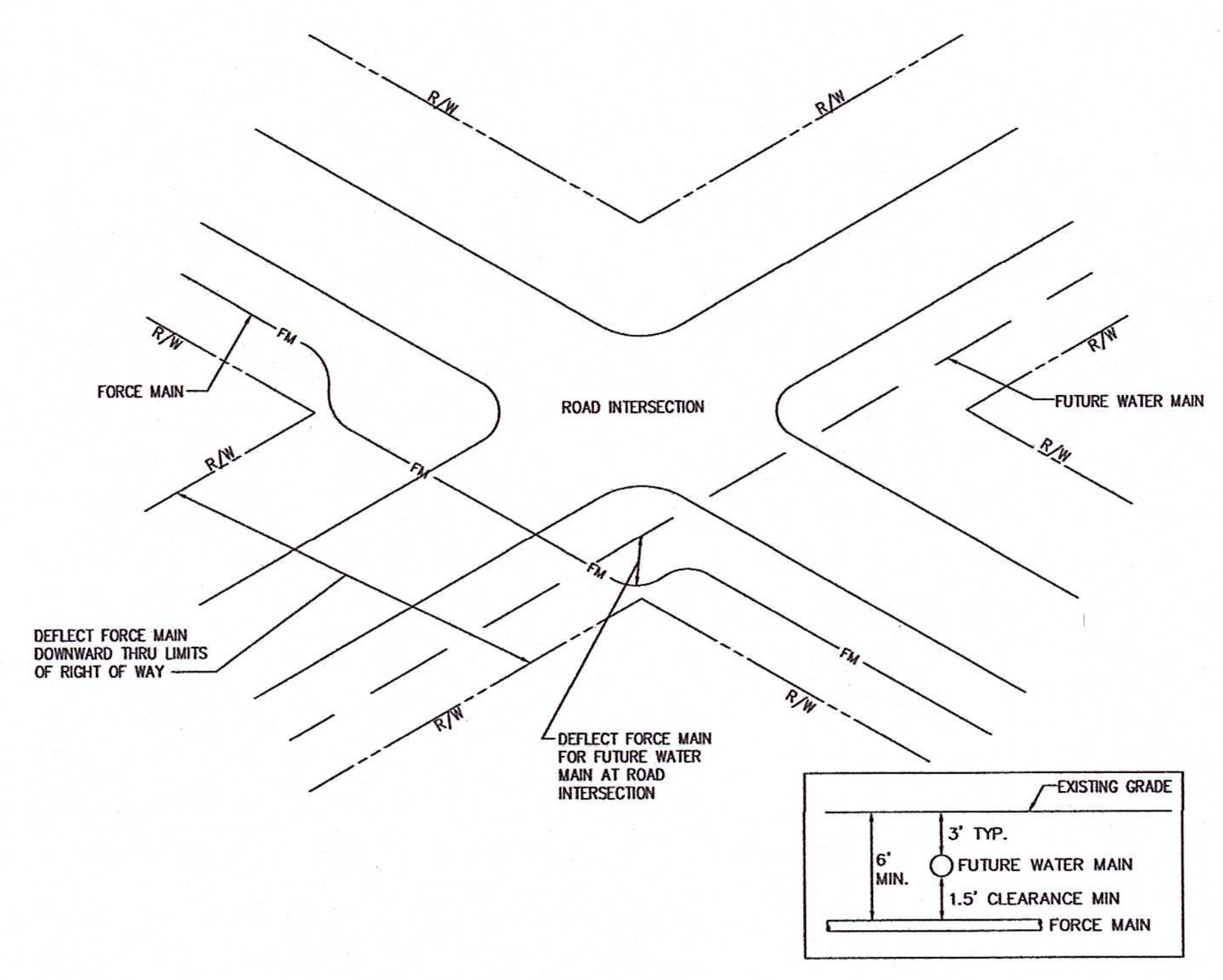
Revisions
1.01 - DATED 3/7/2013
1.02 - DATED 11/14/2016
1.03 - DATED 4/11/2018
1.04 - DATED 1/23/2019
1.05 - DATED 8/15/2022
1.06 - DATED 07/10/2024
1.07 - DATED 11/27/2024
Mod S-12 & S-13

COUNTY OF BRUNSWICK

GENERAL SEWER DETAILS FOR BRUNSWICK COUNTY NORTH CAROLINA

Date: 06-28-12
Scale: NTS
Drawn By: JDM
Checked By: WLP

3 OF 5



SEWER FORCE MAIN @ ROAD INTERSECTIONS
DETAIL S-14

MINIMUM DESIGN & CONSTRUCTION STANDARDS FOR GREASE TRAP AND OIL/SAND SEPARATOR

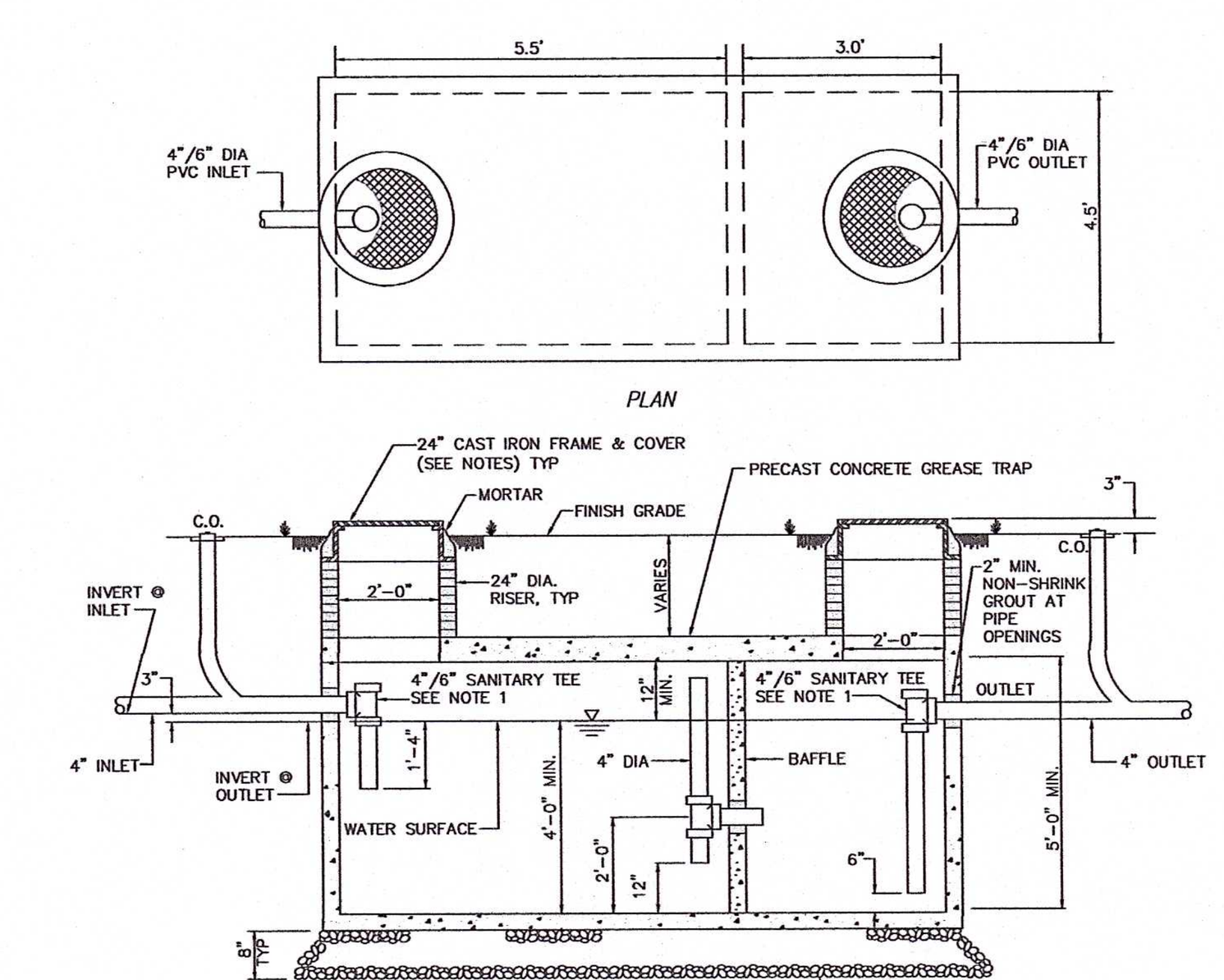
A. GENERAL
1. USABLE LIQUID CAPACITY OF TANK MUST NOT BE LESS THAN 1000 GALLONS. FOR OIL/SAND SEPARATOR REFER TO SPECIFICATIONS FOR SIZING CALCULATIONS.
2. THE TANK LENGTH MUST BE AT LEAST TWO (2) BUT NOT MORE THAN THREE (3) TIMES THE WIDTH.
3. THE UNIFORM LIQUID DEPTH MUST NOT BE LESS THAN FOUR (4) FEET.
4. AT LEAST ONE (1) FOOT OF FREEBOARD MUST BE PROVIDED.
5. VIBRATION METHODS MUST BE EMPLOYED TO PREVENT VOIDS.
6. WALL AND BOTTOM THICKNESS SHALL BE AS REQUIRED FOR STRUCTURAL STABILITY, BUT NOT LESS THAN FOUR (4) INCHES IN THICKNESS.
7. INLET MUST ENTER TANK A MINIMUM OF THREE (3) INCHES ABOVE THE LIQUID LEVEL.
8. INLET TEE SHALL EXTEND SIXTEEN (16) INCHES BELOW LIQUID LEVEL.
9. OUTLET TEE SHALL EXTEND DOWN TO SIX (6) INCHES ABOVE THE BOTTOM OF THE GREASE TRAP.
10. ACCESS OPENINGS MUST BE LOCATED ABOVE INLET AND OUTLET DEVICES, AND LIDS SHALL BE EQUIPPED WITH LIFT RINGS.
11. TANKS LOCATED IN TRAFFIC AREAS MUST BE DESIGNED TO A HS-20 LOADING.

B. TYPE OF REINFORCEMENT
1. TANK WALLS AND BOTTOM - 6 X 6, 10 GAUGE WIRE MESH.
2. TANK LIDS (TOPS) - NUMBER 3 RODS, 6 INCHES ON CENTER EACH WAY, OR 6 X 6, 10 GAUGE WIRE MESH PLUS ONE NUMBER 3 ROD PER LINEAR FOOT OF TANK TOP.
3. ALL REINFORCING WIRE AND RODS SHOULD BE COVERED BY AT LEAST 1/2 INCH OF CONCRETE.

C. CONCRETE
1. STRENGTH - MIX SHOULD BE CALCULATED TO YIELD A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI.
2. TYPES OF AGGREGATE
   A. SAND - FINE UP TO 1/4 INCH
   B. GRANITE DUST OR FINE SCREENINGS FROM CRUSHER OPERATION MAY BE USED IN LIEU OF SAND
   C. GRAVEL OR CRUSHED STONE - SHOULD NOT EXCEED 1/3 OF WALL THICKNESS, I.E., FOR 2 1/2 " WALL THICKNESS, AGGREGATE SHOULD NOT EXCEED A SIZE OF 3/4 "
3. PORTION AND QUALITY CONTROL - EVERY MANUFACTURER SHOULD HAVE PORTION CONTROL AND SUCH OTHER EQUIPMENT AND CAPABILITIES NECESSARY TO MAINTAIN CONSTANT MIX RATIOS AND SYSTEMATIC INSPECTION OF FINISHED PRODUCTS TO RULE OUT UNSUITABLE SPECIMENS.

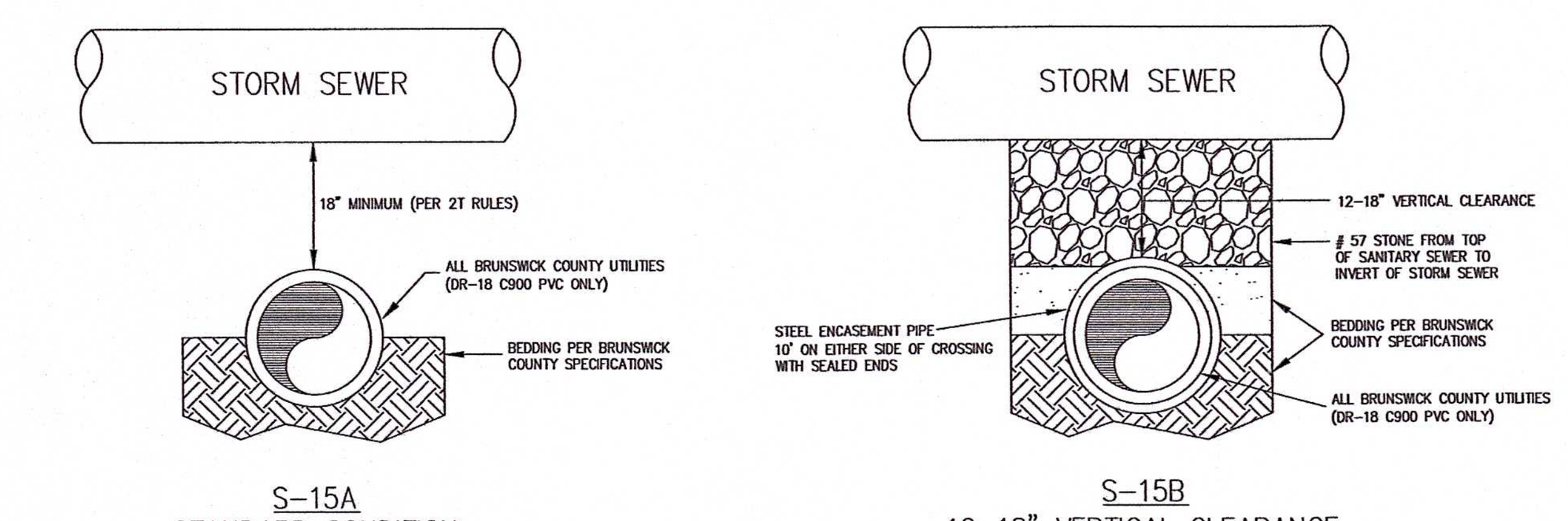
D. TANK IDENTIFICATION
AN IDENTIFYING SEAL BEARING THE FOLLOWING ITEMS MUST BE CAST OR STAMPED INTO THE OUTLET END, WITHIN SIX (6) INCHES OF THE TOP:
1. MANUFACTURER
2. MANUFACTURER'S ADDRESS
3. LIQUID CAPACITY OF TANK
4. DESIGN LOADING

E. GUARANTEE
ALL TANKS MUST BE GUARANTEED IN WRITING FOR TWO (2) YEARS AGAINST FAILURE DUE TO POOR WORKMANSHIP AND MATERIALS OF THE MANUFACTURER.



NOTES:
1. SANITARY INLET AND OUTLET TEE SHALL BE 4" FOR GREASE TRAP AND 6" FOR OIL/SAND SEPARATOR.
2. MANHOLE RING & COVER SHALL BE GAS AND WATER TIGHT PROVIDING A 22" MINIMUM CLEAR OPENING.
3. CONCRETE GRADE RINGS SHALL BE UTILIZED TO BRING COVER TO FINISHED GRADE.
4. MINIMUM SIZE OF OIL/SAND/GREASE SEPARATORS IS 1000 GALLONS PER BRUNSWICK COUNTY POLICY. FACILITIES MAY REQUIRE LARGER TRAPS BASED ON USAGE. ENGINEER MUST SIZE AS REQUIRED.

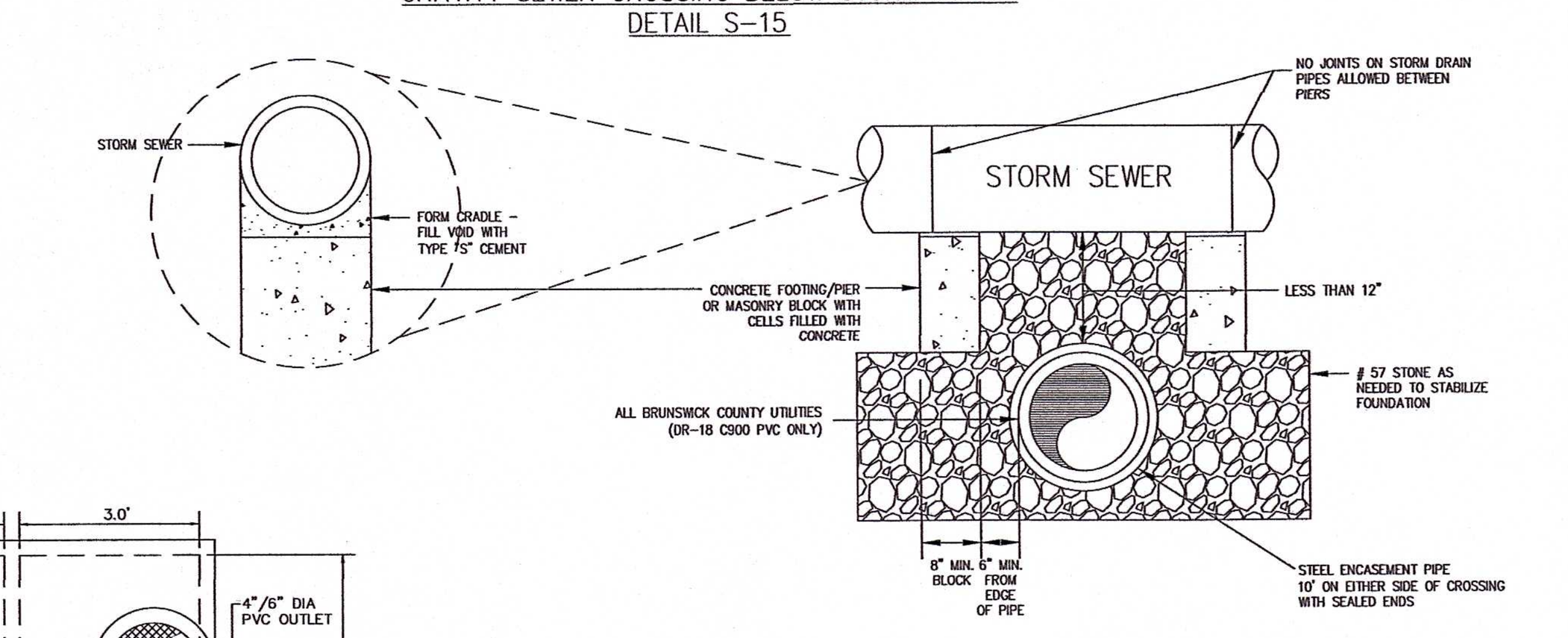
1,000 GALLON OIL/SAND/GREASE SEPARATOR
DETAIL S-16



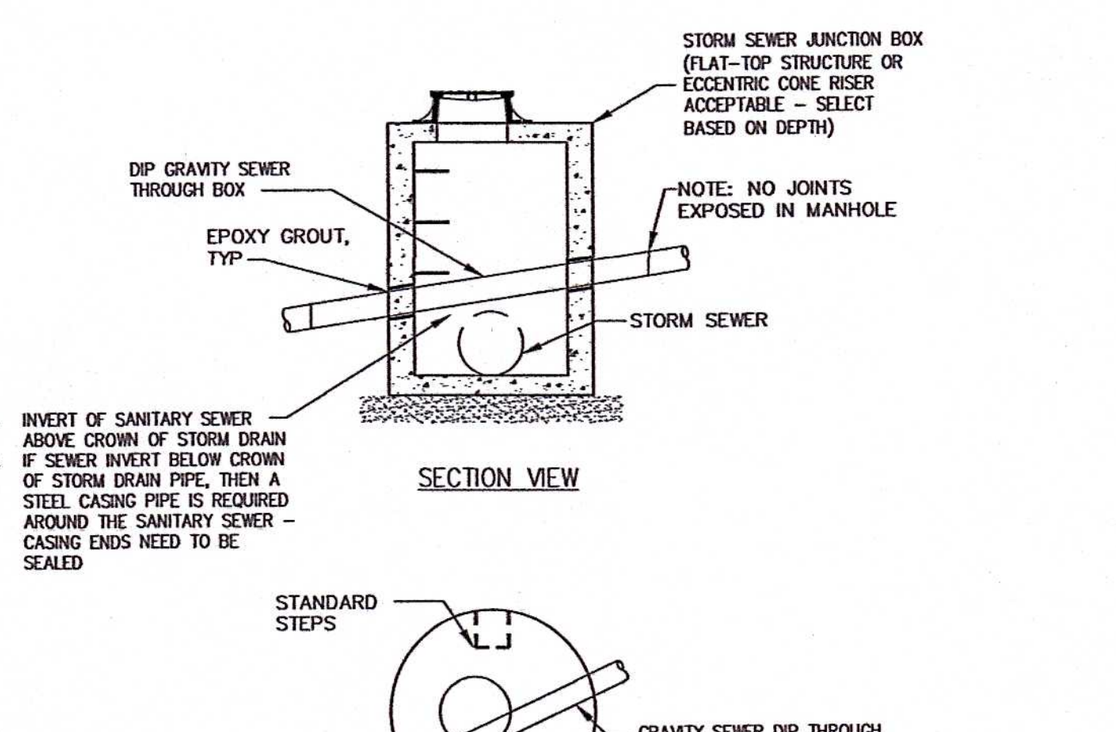
S-15A
STANDARD CONDITION

S-15B
12-18" VERTICAL CLEARANCE

GRAVITY SEWER CROSSING BELOW STORM SEWER
DETAIL S-15



S-15C
LESS THAN 12" VERTICAL CLEARANCE



1. INVERT OF SANITARY SEWER ABOVE CROWN OF STORM DRAIN
2. IF SEWER INVERT BELOW CROWN OF STORM DRAIN PIPE, THEN A STEEL CASING PIPE IS REQUIRED AROUND THE SANITARY SEWER - CASING ENDS NEED TO BE SEALED

SECTION VIEW

PLAN VIEW

INTERFERENCE SANITARY SEWER MANHOLE
GRAVITY SEWER THROUGH STORM SEWER
DETAIL S-17

Revisions
1.01 - DATED 10/27/2015
1.02 - DATED 1/23/2019
1.03 - DATED 4/22/2022
Mod S-17

COUNTY OF BRUNSWICK

GENERAL SEWER DETAILS FOR BRUNSWICK COUNTY NORTH CAROLINA

Date: 07-09-12
Scale: NTS
Drawn By: JDM
Checked By: WLP

4 OF 5

FOR PERMIT ONLY

NOTES & DETAILS
BRUNSWICK COUNTY HEALTH & HUMAN SERVICES
67 GOVERNMENT CENTER DR NE
BOLIVIA, NC 28422

OWNER/DEVELOPER
STEVE STONE, COUNTY MANAGER
BRUNSWICK COUNTY
P.O. BOX 249
BOLIVIA, NC 28422
910-253-2015
steve.stone@brunswickcountync.gov

Tunstall Consulting Engineers PLLC
2602 IRON GATE DR., SUITE 102
WILMINGTON, NC 28412
PHONE (910) 343-9653
LICENSE# P-3152

25001

DES. JST
CKD. TJC
DRWN. MWA

DATE 04-01-26

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 19851 JOHN S. TUNSTALL

C8.2

C:\Users\Thomas\AppData\Local\Temp\AcPublish_38788\25001 DETAIL SHEETS.dwg (C8.2-BC) Plotted on: Apr 02, 2026 - 12:14pm by Thomas

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE ON REQUEST AT THE COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THIS PROJECT DOES NOT CONSTITUTE PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH ARCHITECTURE ALL RIGHTS RESERVED

Abbreviations Legend

DB - Deed Book
ELEV - Elevation
PG - Page
PIN - Parcel Identification Marker
REID - Real Estate Identification Number
BM - Book of Maps

Legend

- CMF - Concrete Monument Found
- Manhole Sewer
- Sign
- Water Valve
- Fire Hydrant
- Light Pole
- Drainage Structure
- Gas Test Location
- Gas Meter
- Gas Valve
- Bollard
- Monitoring Well
- Guy
- Tree
- Utility Vault
- Traffic Signal Box
- Traffic Signal Pole

- Surveyed Property Line
- 12" SAN — Sanitary Sewer Line
- Fence
- G — Painted Gas Line
- UGP — Painted Power Line
- Storm Line
- UGT — Painted Telephone Line
- W — Painted Water Line
- Edge of Tree Line
- UFO — Painted Fiber Optic Line
- UCATV — Painted Cable TV Line
- Edge of Pavement
- Curb and Gutter
- Major Contour
- Minor Contour
- Edge of Gravel

LANDSCAPE & HARDSCAPE SHEET INDEX

SHEET NUMBER	SHEET TITLE
L0.0	SELECTIVE SITE DEMOLITION
L1.0	OVERALL LANDSCAPE PLAN
L1.1	WEST LANDSCAPE PLAN
L1.2	EAST LANDSCAPE PLAN
L2.0	LANDSCAPE NOTES & DETAILS
L3.0	HARDSCAPE PLAN INSERTS & NOTES
L3.1	SURFACE MATERIALS PLAN
L3.2	HARDSCAPE NOTES AND DETAILS

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.
THIS DRAWING PREPARED AT THE
RALEIGH OFFICE
5410 Trinity Road, Suite 102 | Raleigh, NC 27607
TEL 919.866.4951 FAX 919.833.8124
www.timmons.com
TG PN 73182

SELECTIVE SITE DEMOLITION NOTES:

1. CONTRACTOR TO COORDINATE RELOCATION TIMING AND PLACEMENT WITH OWNER.
2. CONTRACTOR TO VERIFY FIELD LOCATION AND CONDITIONS PRIOR TO RELOCATION.
3. PROPOSED LOCATIONS SHALL BE COORDINATED WITH ADJACENT CONSTRUCTION ACTIVITIES.
4. RELOCATED MATERIALS SHALL BE PROTECTED FROM CONSTRUCTION.
5. TEMPORARY RELOCATION MAY BE REQUIRED. MATERIALS SHALL BE PROTECTED DURING TEMPORARY STORAGE.

INDEX NOTES:

A. APPROX. 12' HIGH HERITAGE RIVER BIRCH TO BE TRANSPLANTED WITH MIN. 48" TREE SPADE. DRUG OVERDOSE EDICTION TREE. (SEE L1.2 FOR LOCATION.)
B. 7' DBH PECAN TREE TO BE TRANPLANTED WITH MIN. 90" TREE SPADE. ELDER ABUSE RECOGNITION TREE. REPLACE MARKER. (SEE L1.2 FOR LOCATION.)
C. EXISTING MARKER AND WATER FOUNTAIN TO BE REMOVED AND PROVIDED TO OWNER WITHOUT DAMAGE.
D. EXISTING LISA M. THOMPSON WALKING TRAIL SIGN AND MARKER TO BE RELOCATED. (SEE NOTES ON THIS SHEET FOR LOCATION.)
E. EXISTING BENCH AND MARKER TO BE REMOVED AND PROVIDED TO OWNER WITHOUT DAMAGE. (SEE NOTES ON THIS SHEET FOR LOCATION.)

EXISTING FENCE TO BE REMOVED
C. WALKING TRAIL AND SIGN MARKER TO BE RELOCATED BY OWNER
E. BENCH AND TRASH BIN TO BE RELOCATED BY OWNER
D. MEMORIAL PLAQUE TO BE RELOCATED BY OWNER
B. ELDER ABUSE RECOGNITION TREE AND MARKER TREE ID: 107230 REFER TO SHEET L1.2 FOR NEW LOCATION
A. DRUG OVERDOSE RECOGNITION TREE AND MARKER TREE ID: 107231 REFER TO SHEET L1.2 FOR NEW LOCATION

U.S. HWY 17 BUS.
(A.K.A. OLD OCEAN HWY.)
100' PUBLIC R/W

ROSA ROAD SE

BASE INFORMATION / SURVEY :
SOURCE OF BASE INFORMATION ON THIS SHEET AND SUBSEQUENT SHEETS IS FROM A TOPOGRAPHIC SURVEY CONDUCTED BY TERRY L. WESTENDORF, PLS LICENSE NO. L-3232 OF TIMMONS GROUP DATED 16 JUNE 2025 AND AVAILABLE AERIAL INFORMATION USING BURNSWICK COUNTY, NC GIS.

SCALE 1"=30'
0 30' 60'
NAD 83

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1251 KEVIN T. BARNES

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02-06-2026
PHASE: PERMIT SET
SHEET ISSUE:

PRINCIPAL IN CHARGE: MS
PROJECT ARCHITECT: BF
DRAWN BY: JDM

SHEET TITLE:
SELECTIVE SITE DEMOLITION

SHEET NO. L0.0
PROJ. NO.

ALL DRAWINGS, SPECIFICATIONS AND CORED THEREBY FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED ON DEMAND AT COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THIS PROJECT DOES NOT CONSTITUTE PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH ARCHITECTURE ALL RIGHTS RESERVED

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1251 KEVIN T. BARNES

PROPOSED ROUNDABOUT SEE DETAIL

SEE CIVIL PLANS FOR LAYOUT AND DETAILS. (SHOWN HERE FOR COORDINATION PURPOSES ONLY.)

SEE CIVIL PLANS FOR LAYOUT AND DETAILS (SHOWN HERE FOR COORDINATION PURPOSES ONLY.)

MATCHLINE L1.1

MATCHLINE L1.2

SEE CIVIL PLANS FOR LAYOUT AND DETAILS (SHOWN HERE FOR COORDINATION PURPOSES ONLY.)

EXISTING SIDEWALK FIELD VERIFY LOCATION

MEANDER SIDEWALK AROUND EXISTING TREE AND PICNIC TABLE

RAISED CROSS WALK (SEE DETAIL)

RAISED HANDICAP CROSS WALK (SEE DETAIL)

CANOPY

CENTER

DRIVE

LINE

PROPOSED HEALTH & HUMAN SERVICES EOC BUILDING FFE=41.0'

(SEE INSERT ON L 3.0)

PROPOSED HEALTH & HUMAN SERVICES EOC BUILDING FFE=41.0

(SEE INSERT ON L 3.0)

CANOPY

MAIN ENTRY

DROP OFF

COORDINATE WITH OWNER TO RELOCATE COMMUNICATION STRUCTURE

DUMPSTER PAD WITH ENCLOSURE SEE LANDSCAPE & STRUCTURAL PLANS FOR DETAIL

GENERATOR WITH ENCLOSURE SEE LANDSCAPE & STRUCTURAL PLANS FOR DETAILS

PROPOSED STORM WATER POND #2

FENCE

20' STREETYARD

20.0' STREETYARD

PROPOSED 10' MULTI-USE PATH

U.S. HWY 17 BUS.
(A.K.A. OLD OCEAN HWY.)
100' PUBLIC R/W

ROSA ROAD SE

LEGEND

	EXISTING	PROPOSED
FENCE	X	X
GAS LINE	G	G
POWER LINE	UGP	UGP
TELEPHONE LINE	UGT	UGT
WATER LINE	W	W
SANITARY SEWER LINE	SAN	SAN
CABLE TV LINE	UCATV	UCATV
FIBER OPTIC LINE	UFO	UFO
STORM PIPE		
ROOF DRAIN PIPE	RD	RD
CONSTRUCTION LIMITS		
LIGHT POLE	LP	LP
SITE BOLLARD		
UTILITY POLE	PP	PP
SANITARY SEWER MANHOLE	MH	MH
STORM DRAINAGE MANHOLE	MH	MH
CLEANOUT (SANITARY OR STORM)	CO	CO
DROP INLET	DI	DI
FIRE HYDRANT	FH	FH
WATER VALVE	WV	WV
TELECOM BOX		
DRAINAGE STRUCTURE ID:		A1

BASE INFORMATION / SURVEY :
SOURCE OF BASE INFORMATION ON THIS SHEET AND SUBSEQUENT SHEETS IS FROM A TOPOGRAPHIC SURVEY CONDUCTED BY TERRY L. WESTENDORF, PLS LICENSE NO. L-3232 OF TIMMONS GROUP DATED 16 JUNE 2025 AND AVAILABLE AERIAL INFORMATION USING BURNSWICK COUNTY, NC GIS.

SCALE 1"=30'
0 30' 60'

NAD 83

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02-06-2026
PHASE: PERMIT SET
SHEET ISSUE:

PRINCIPAL IN CHARGE: MS
PROJECT ARCHITECT: BF
DRAWN BY: JDM

SHEET TITLE:
OVERALL LANDSCAPE PLAN

SHEET NO. L1.0

PROJ. NO.

LEGEND

	EXISTING	PROPOSED
FENCE	X	X
GAS LINE	G	G
POWER LINE	UGP	UGP
TELEPHONE LINE	UGT	UGT
WATER LINE	W	W
SANITARY SEWER LINE	SAN	SAN
CABLE TV LINE	UCATV	UCATV
FIBER OPTIC LINE	UFO	UFO
STORM PIPE		
ROOF DRAIN PIPE	RD	RD
CONSTRUCTION LIMITS		
LIGHT POLE	LP	LP
SITE BOLLARD		
UTILITY POLE	PP	PP
SANITARY SEWER MANHOLE	MH	MH
STORM DRAINAGE MANHOLE	MH	MH
CLEANOUT (SANITARY OR STORM)	CO	CO
DROP INLET	DI	DI
FIRE HYDRANT	FH	FH
WATER VALVE	WV	WV
TELECOM BOX		
DRAINAGE STRUCTURE ID:		A1

BUILDING C (EMS)

SEE CIVIL PLANS FOR LAYOUT AND DETAILS. (SHOWN HERE FOR COORDINATION PURPOSES ONLY.)

SEE CIVIL PLANS FOR LAYOUT AND DETAILS (SHOWN HERE FOR COORDINATION PURPOSES ONLY.)

COORDINATE WITH OWNER TO RELOCATE COMMUNICATION STRUCTURE

PROPOSED HEALTH & HUMAN SERVICES EOC BUILDING FFE=41.0'

(SEE INSERT ON L 3.0)

(SEE INSERT ON L 3.0)

MATCHLINE L1.1

MATCHLINE L1.2

GOVERNMENT CENTER DRIVE

20.0' STREETYARD

SCORING PATTERN IN CONCRETE WALK

(21) JUN HOR
(99) MUH CAP
(9) IVS
(3) QUE LAE
(20) IVS
(1) UAP
(9) UAP
(1) QUE VIR
(104) MUH CAP
(107) RHU GRO
(8) QUE LAE
(59) MUH CAP
(22) PEN HAM
(1) QUE VIR
(59) PEN HAM
(3) QUE VIR
(2) UAP
(1) QUE VIR
(82) MUH CAP
(3) QUE DAR
(4) ULM PAR
(2) QUE VIR
(33) PEN BUN
(22) PEN BUN
(31) PEN HAM
(1) UAP
(11) MAG GRA
(1) CHI VIR
(1) ILE AME
(7) CAL SWE
(1) CHI VIR
(7) CAL SWE
(2) ILE AME
(1) ILE JE4
(1) CHI VIR
(7) JUN HOR
(7) JUN HOR
(2) ILE AME
(1) ILE JE4
(7) JUN HOR
(1) CHI VIR
(7) JUN HOR
(1) CHI VIR
(7) CAL SWE
(2) ILE
(1) CH
(5) QUE DAR
(4) QUE VIR
(58) RHU GRO
(71) RHU GRO
(119) MUH CAP
(82) RHU GRO
(38) RHU GRO
(3) VOS
(4) JUN HOR
(27) CHI ARI
(64) HEM ABB
(4) VOS
(7) VOS
(1) QUE VIR
(32) RHU GRO
(7) VOS
(1) QUE VIR
(13) MUH CAP
(16) MUH CAP
(31) PEN HAM
(1) QUE VIR

SOD

BASE INFORMATION / SURVEY :
SOURCE OF BASE INFORMATION ON THIS SHEET AND SUBSEQUENT SHEETS IS FROM A TOPOGRAPHIC SURVEY CONDUCTED BY TERRY L. WESTENDORF, PLS LICENSE NO. L-3232 OF TIMMONS GROUP DATED 16 JUNE 2025 AND AVAILABLE AERIAL INFORMATION USING BURNSWICK COUNTY, NC GIS.

SCALE 1"=20'
0 20' 40'
NAD 83

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.

mcmillan pazdan smith
ARCHITECTURE

EDIFICE CONSTRUCTION

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1251 KEVIN T. BARNES

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02-06-2026
PHASE: PERMIT SET
SHEET ISSUE:

PRINCIPAL IN CHARGE: MS
PROJECT ARCHITECT: BF
DRAWN BY: JDM

SHEET TITLE:
WEST LANDSCAPE PLAN

SHEET NO. L1.1
PROJ. NO.

ALL DRAWINGS, SPECIFICATIONS AND CONCEPTS PRESENT FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THIS PROJECT DOES NOT CONSTITUTE PUBLICATION AND IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH ALL RIGHTS RESERVED

PURPOSES ONLY.)

IVIL PLANS FOR LAYOUT AND DETAILS (SHOWN HERE FOR DINATION PURPOSES ONLY.)

SEE CIVIL PLANS FOR LAYOUT AND DETAILS (SHOWN HERE FOR COORDINATION PURPOSES ONLY.)

BUILDING A

140 EXISTING PARKING STALLS

MATCHLINE L1.1

MATCHLINE L1.2

GOVERNMENT CENTER DR NE

COURT HOUSE DR NE

OLD OCEAN HIGHWAY 100 R/W

MAIN ENTRY

(SEE INSERT ON L 3.0)

STREETYARD

REFERENCE NOTES SCHEDULE

CODE	DESCRIPTION	DETAIL	MODEL	SIZE
WALL				
W-102	JAKOB GREENWALL SYSTEM. GREEN TRELLIS (OR APPROVED EQUAL)		01/L3.1	70 LF

LEGEND

	EXISTING	PROPOSED
FENCE	X	X
GAS LINE	G	G
POWER LINE	UGP	UGP
TELEPHONE LINE	UGT	UGT
WATER LINE	W	W
SANITARY SEWER LINE	SAN	SAN
CABLE TV LINE	UCATV	UCATV
FIBER OPTIC LINE	UFO	UFO
STORM PIPE		RD
ROOF DRAIN PIPE	RD	RD
CONSTRUCTION LIMITS		
LIGHT POLE	LP	LP
SITE BOLLARD		
UTILITY POLE	PP	PP
SANITARY SEWER MANHOLE	MH	MH
STORM DRAINAGE MANHOLE	MH	MH
CLEANOUT (SANITARY OR STORM)	CO	CO
DROP INLET	DI	DI
FIRE HYDRANT	FH	FH
WATER VALVE	WV	WV
TELECOM BOX		
DRAINAGE STRUCTURE ID:		A1

(8) QUE LAE
(59) MUH CAP
(58) RHU GRO
(71) RHU GRO
(119) MUH CAP
(82) RHU GRO
(38) RHU GRO
(3) VOS
(4) JUN HOR
(27) GAI ARI
(64) HEM ABB
(4) VOS
(30) GAI ARI
(122) MUH CAP
(5) VOS
(32) RHU GRO
(7) VOS
(1) QUE VIR
(13) MUH CAP
(16) MUH CAP
(31) PEN HAM
(33) PEN BUN
(22) PEN BUN
(31) PEN HAM
(2) QUE VIR
(1) CHI VIR
(7) JUN HOR
(7) CAL SWE
(2) ILE AME
(1) UAP
(30) JAS LAU
(3) IVS
(19) VOS
(7) MYC PUM
(3) MYC PUM
(12) MYC PUM
RELOCATED 7" DBH PECAN TREE
RELOCATED 12' HIGH HERITAGE BIRCH
SOD
W-102

JAKOB GREEN WALL SYSTEM MANUFACTURED FROM 316 MARINE GRADE STAINLESS STEEL. FOLLOW MANUFACTURER INSTRUCTIONS FOR INSTALLATION.

REFER TO WET POND PLANTING SCHEDULE

(5) TREES WILL NEED TO BE REPLACED AS A RESULT OF REPLACING THE EXISTING STORMSEWER. ALL DISTURBED LANDSCAPE AREAS SHALL BE SEEDED AND MATTED TO RE-ESTABLISH LAWN.

BASE INFORMATION / SURVEY:
SOURCE OF BASE INFORMATION ON THIS SHEET AND SUBSEQUENT SHEETS IS FROM A TOPOGRAPHIC SURVEY CONDUCTED BY TERRY L. WESTENDORF, PLS LICENSE NO. L-3232 OF TIMMONS GROUP DATED 16 JUNE 2025 AND AVAILABLE AERIAL INFORMATION USING BURNSWICK COUNTY, NC GIS.

SCALE 1"=20'
0 20' 40'
NAD 83

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1251 KEVIN T. BARNES

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02-06-2025
PHASE: PERMIT SET

SHEET ISSUE:

PRINCIPAL IN CHARGE: MS
PROJECT ARCHITECT: BF
DRAWN BY: JDM

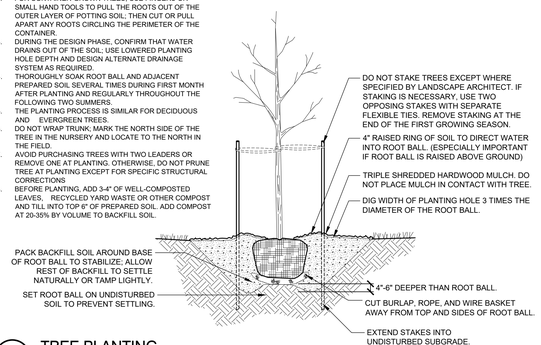
SHEET TITLE:
EAST LANDSCAPE PLAN

SHEET NO. L1.2

PROJ. NO.

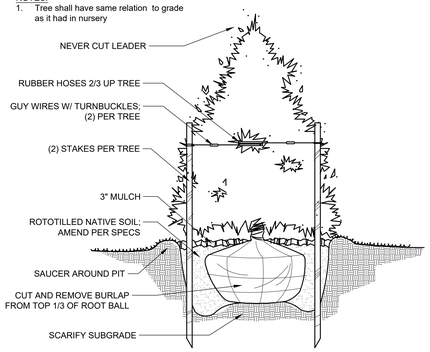
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF THE CONTRACT BETWEEN THE OWNER AND MCMILLAN PAZDAN SMITH ARCHITECTURE FOR THIS PROJECT. THESE MATERIALS ARE TO BE RETURNED TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON REQUEST AT THE COMPLETION OF THE PROJECT. COPYRIGHT © 2025 MCMILLAN PAZDAN SMITH ARCHITECTURE ALL RIGHTS RESERVED

NOTES:
1. WHERE SEVERAL TREES WILL BE PLANTED CLOSE TOGETHER SUCH THAT THEY WILL LIKELY SHARE ROOT SPACE, TILL IN SOIL AMENDMENTS TO A DEPTH OF 4-6" (10-15CM) OVER THE ENTIRE AREA.
2. FOR CONTAINER-GROWN TREES, USE FINGERS OR SMALL HAND TOOLS TO PULL THE ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL; THEN CUT OR PULL APART ANY ROOTS CIRCLING THE PERIMETER OF THE CONTAINER.
3. DURING THE DESIGN PHASE, CONFIRM THAT WATER DRAINS OUT OF THE SOIL; USE LOWERED PLANTING HOLE DEPTH AND DESIGN ALTERNATE DRAINAGE SYSTEM AS REQUIRED.
4. THOROUGHLY SOAK ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING FIRST MONTH AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING TWO SUMMERS.
5. THE PLANTING PROCESS IS SIMILAR FOR DECIDUOUS AND EVERGREEN TREES.
6. DO NOT WRAP TRUNK; MARK THE NORTH SIDE OF THE TREE IN THE NURSERY AND LOCATE TO THE NORTH IN THE FIELD.
7. AVOID PURCHASING TREES WITH TWO LEADERS OR REMOVE ONE AT PLANTING. OTHERWISE, DO NOT PRUNE TREE AT PLANTING EXCEPT FOR SPECIFIC STRUCTURAL CORRECTIONS
8. BEFORE PLANTING, ADD 3-4" OF WELL-COMPOSTED LEAVES. RECYCLED YARD WASTE OR OTHER COMPOST AND TILL INTO TOP 6" OF PREPARED SOIL. ADD COMPOST AT 20-35% BY VOLUME TO BACKFILL SOIL.

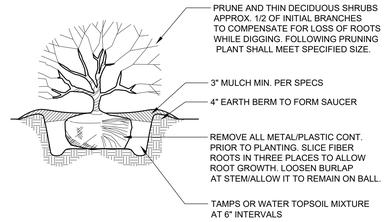


1 TREE PLANTING
NTS

NOTES:
1. Tree shall have same relation to grade as it had in nursery

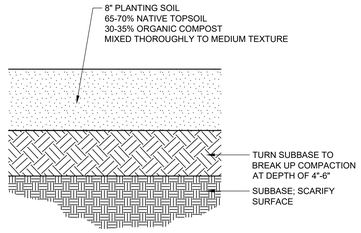


2 EVERGREEN PLANTING
NTS



NOTES:
1. SOIL MIX: 1/3 ORGANIC MATTER, 2/3 EXIST SOIL.
2. WIDTH OF PLANT PIT: SANDY SOIL, 24" WIDER THAN PLANT BALL; CLAY SOIL, 12" WIDER THAN PLANT BALL
3. FOR PLANTING AREAS WHERE SOIL HAS BEEN COM-PACTED BY EQUIP. CONTACT LA PRIOR TO PLANTING.
4. FOR CAMELLIAS, RHODOS, AZALEAS, AND LAURELS: SOIL MIX, 2/3 ORGANIC AND 1/3 EXISTING SOIL
5. SHRUB SHALL BEAR SAME RELATIONSHIP TO GRADE AS IT DID PRIOR TO DIGGING.

3 SHRUB PLANTING
NTS



NOTES:
1. ALL MATERIAL TO BE FREE OF TOXIC SUBSTANCES, WEED SEED, STONES, STICKS OR OTHER MATERIAL HARMFUL TO PLANT GROWTH. TOPSOIL: PH RANGE OF 6.0 TO 7.0. MIN. 6% ORGANIC MATTER.
2. COMPOST: WELL-COMPOSTED, STABLE, WEED-FREE ORGANIC MATTER, PH RANGE OF 5.5 TO 8.
3. SUBMIT SOIL SAMPLE FOR ANALYSIS ... PROVIDE AMENDMENTS PER RECOMMENDATIONS.
4. REMOVE ANY DEBRIS, ROCKS, OR CLUMPS 2" OR LARGER.
5. DO NOT SPREAD IF PLANTING SOIL, TOPSOIL OR SUBGRADE IS FROZEN, MUDDY, OR EXCESSIVELY WET.

4 PLANTING SOIL PROFILE
NTS

PLANT SCHEDULE							
CODE	QTY	BOTANICAL NAME	COMMON NAME	MIN. INSTALLED SIZE	ROOT	TYPE	
TREES							
CHI VIR	10	CHIONANTHUS VIRGINICUS	WHITE FRINGETREE	1.5" CAL., 6` HT. MIN.			
ILE AME	7	ILEX OPACA 'GREENLEAF'	AMERICAN HOLLY	2.5" CAL.			
ILE JE4	2	ILEX OPACA 'JERSEY KNIGHT'	JERSEY KNIGHT AMERICAN HOLLY	2.5" CAL.			
MAG GRA	11	MAGNOLIA GRANDIFLORA	SOUTHERN MAGNOLIA	2.5" CAL.			
QUE LAE	11	QUERCUS LAEVIS	TURKEY OAK	2.5" CAL.			
QUE DAR	8	QUERCUS LAURIFOLIA 'DARLINGTONIA'	DARLINGTON OAK	2.5" CAL.			
QUE VIR	14	QUERCUS VIRGINIANA	LIVE OAK	2.5" CAL.			
UAP	16	ULMUS AMERICANA `PRINCETON`	PRINCETON AMERICAN ELM	2.5" CAL.	B&B OR CONTAINER	NATIVE	
ULM PAR	4	ULMUS PARVIFOLIA	CHINESE ELM	3" CAL.			
CODE	QTY	BOTANICAL NAME	COMMON NAME	MIN. INSTALLED SIZE	ROOT	TYPE	SPACING
SHRUBS							
CAL SWE	28	CALYCANTHUS FLORIDUS	SWEETSHRUB	24" HT./SPRD.			48" o.c.
IVS	32	ILEX VOMITORIA `SCHILLINGS`	SCHILLINGS YAUPON HOLLY	24" HT.	CONTAINER	NATIVE	60" o.c.
JAS LAU	30	JASMINUM LAURIFOLIUM NITIDUM	CONFEDERATE JASMINE	24" HT./SPRD.	CONTAINER		36" o.c.
JUN HOR	60	JUNIPERUS HORIZONTALIS 'BLUE CHIP'	CREEPING JUNIPER	24" HT./SPRD.	CONTAINER	NATIVE	48" o.c.
MYC PUM	25	MYRICA CERIFERA VAR. PUMILA	DWARF WAX MYRTLE	24" HT./SPRD.	CONTAINER	NATIVE	48" o.c.
VOS	45	VIBURNUM OBOVATUM 'MRS. SCHILLER'S DELIGHT'	MRS. SCHILLERS DELIGHT WALTER'S VIBURNUM	24" HT./SPRD.	CONTAINER	NATIVE	48" o.c.
GROUND COVERS							
GAI ARI	57	GAILLARDIA ARISTATA 'ARINZONA SUN'	BLANKET FLOWER	3 QT.			18" o.c.
HEM ABB	64	HEMEROCALLIS X 'BLACK EYED SUSAN'	BLACK EYED SUSAN DAYLILY	3 QT.			18" o.c.
MUH CAP	614	MUHLENBERGIA CAPILLARIS	PINK MUHLY GRASS	3 GAL.			24" o.c.
PEN HAM	143	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	2.25" TRAYS			18" o.c.
PEN BUN	55	PENNISETUM ALOPECUROIDES 'LITTLE BUNNY'	LITTLE BUNNY FOUNTAIN GRASS	2.25" TRAYS			18" o.c.
RHU GRO	388	RHUS AROMATICA 'GRO-LOW'	GRO-LOW FRAGRANT SUMAC	3 GAL.			24" o.c.

WET POND PLANTING SCHEDULE					
QTY	BOTANICAL NAME	COMMON NAME	MIN INSTALLED SIZE	ROOT	REMARKS
LAND PLANTS (UPPER 3-FT)					
285	EUPATORIADELPHUS FISTULOSUS	JOE PYE WEED	6.7 CUBIC INCH PLUG	PLUG	50 PLANTS/ 200 SQFT
284	ASCLEPIAS INCARNATA	SWAMP MILKWEED	6.7 CUBIC INCH PLUG	PLUG	50 PLANTS/ 200 SQFT
284	HIBISCUS COCCINEUS	SCARLET ROSE MALLOW	6.7 CUBIC INCH PLUG	PLUG	50 PLANTS/ 200 SQFT
284	CAREX STRICTA	TUSSOCK SEDGE	6.7 CUBIC INCH PLUG	PLUG	50 PLANTS/ 200 SQFT
SHALLOW WATER PLANTS (LOWER 3-FT)					
252	KOSTELETZKYA VIRGINICA	MARSH MALLOW	6.7 CUBIC INCH PLUG	PLUG	50 PLANTS/ 200 SQFT
252	SAURURUS CERNUUS	LIZARD'S TAIL	6.7 CUBIC INCH PLUG	PLUG	50 PLANTS/ 200 SQFT
253	JUNCUS EFFUSUS	SOFT RUSH	6.7 CUBIC INCH PLUG	PLUG	50 PLANTS/ 200 SQFT
252	SCIRPUS CYPERINUS	WOOL GRASS	6.7 CUBIC INCH PLUG	PLUG	50 PLANTS/ 200 SQFT

LANDSCAPE CALCULATIONS:

STREET YARD:

STREET FRONTAGE CALCULATED AT 1000 LINEAR FEET.

REQUIRED PLANTINGS: 1 SHADE TREE PER 40 LF (OR 2 ORNAMENTAL TREES PER 40 LF IF CONFLICTS WITH UTILITIES).
REQUIRED TREES: 25 CANOPY TREES

REQUIRED SHRUBS: 10 SHRUBS PER 100 LF.
REQUIRED SHRUBS: 100 EVERGREEN SHRUBS

PROPOSED PLANTINGS MEET OR EXCEED MINIMUM SPACING AND DENSITY.

PARKING LOT LANDSCAPING:

REQUIRED INTERIOR ISLANDS: 1 ISLAND PER 10 SPACES PLUS TERMINAL ISLANDS AT ENDS OF ROWS.

EACH ISLAND ≥ 200 SQ FT WITH 1 SHADE TREE PER ISLAND.

MAXIMUM DISTANCE BETWEEN ISLANDS: NO MORE THAN 100 FT.

PROPOSED PLAN MEETS ISLAND COUNT, SIZE, AND TREE REQUIREMENTS.

PERIMETER PARKING SCREENING:

PARKING EDGES ADJACENT TO PUBLIC ROW REQUIRE 3-FT CONTINUOUS EVERGREEN HEDGE OR EQUIVALENT SCREENING.

PROPOSED SHRUB SPACING ENSURES CONTINUOUS OPACITY AT MATURITY.

GENERAL PLANTING NOTES:

1. ALL PLANT MATERIALS TO COMPLY WITH AMERICAN STANDARD FOR NURSERY STOCK ANSI.Z60.
2. CONTRACTOR ENGAGED IN LANDSCAPE IMPLEMENTATION SHALL BE A LANDSCAPE CONTRACTOR LICENSED IN THE STATE OF NORTH CAROLINA.
3. LANDSCAPE ARCHITECT TO APPROVE PLANT LOCATION IN FIELD.
4. SUBSTITUTIONS OF PLANT MATERIALS SPECIFIED CAN ONLY OCCUR WITH PRIOR APPROVAL BY LANDSCAPE ARCHITECT OR OWNER.
5. PREPARE PLANTS PER SPECIFICATIONS.
6. INSTALL PLANTS WITH 3" OF TRIPLE-SHREDDED HARDWOOD MULCH.
7. ALL DISTURBED AREAS NOT NOTED FOR PLANTS OR PAVING TO BE STABILIZED AT THE DIRECTION OF THE LANDSCAPE ARCHITECT AND/OR ENGINEER AND SHALL BE PERMANENTLY SEEDED WITH BERMUDA SEED TURF GRASS.
8. LANDSCAPE CONTRACTOR TO GUARANTEE PLANT MATERIALS FOR A ONE YEAR PERIOD FOLLOWING SUBSTANTIAL COMPLETION PER SPECIFICATIONS.
9. ROPOSED AND TRANSPLANTED TREES SHALL BE INSTALLED WITH TREE DIAPER PRODUCT PER MANUFACTURER SPECIFICATIONS.
10. CONTRACTOR TO MAINTAIN PLANT MATERIAL PER SPECIFICATIONS.
11. AREAS DAMAGED BY LANDSCAPE CONTRACTOR TO BE REPAIRED AT NO ADDITIONAL COST TO OWNER.
12. ANY EXISTING VEGETATION, NOT INVOLVED IN NEW CONSTRUCTION, SHALL BE ISOLATED AND PROTECTED BY TREE PROTECTION FENCING.
13. CONTRACTOR SHALL INSURE THAT ALL PLANT MATERIAL IS FREE OF FIRE ANTS PRIOR TO INSTALLATION.

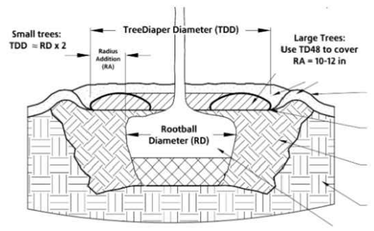
LANDSCAPE NOTES:

PRE-CONSTRUCTION
- PRIOR TO CONSTRUCTION LOCATE ALL UNDERGROUND UTILITIES WITHIN AND ADJACENT TO THE WORK AREA. LOCATIONS OF EXISTING BURIED UTILITY LINES SHOWN ON THE PLANS ARE BASED UPON BEST AVAILABLE INFORMATION AND ARE TO BE CONSIDERED APPROXIMATE. PROTECT ALL UTILITIES. REPAIR ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF CONSTRUCTION.
- CONTRACTOR ENGAGED IN LANDSCAPE IMPLEMENTATION SHALL BE A LANDSCAPE CONTRACTOR REGISTERED IN THE STATE OF NORTH CAROLINA.
- VERIFY ALL PLANT MATERIAL QUANTITIES ON PLANS PRIOR TO BIDDING. PLANT LIST TOTALS ARE FOR CONVENIENCE ONLY AND MUST BE VERIFIED.
- PLANT MATERIAL SUBSTITUTIONS CAN ONLY OCCUR WITH PRIOR WRITTEN APPROVAL BY LANDSCAPE ARCHITECT.
- PRIOR TO THE COMMENCEMENT OF ANY ACTIVITIES REQUIRING A BUILDING OR ZONING PERMIT AN ON-SITE PRE-CONSTRUCTION CONFERENCE SHALL TAKE PLACE WITH THE DEVELOPER AND THE ADMINISTRATOR TO REVIEW PROCEDURES FOR THE PROTECTION AND MANAGEMENT OF ALL LANDSCAPE ELEMENTS TO REMAIN.
- ALL PLANT MATERIALS ARE SUBJECT TO LANDSCAPE ARCHITECT APPROVAL BEFORE, DURING, AND AFTER INSTALLATION.
  - ANY PLANT MATERIAL WHICH IS DISEASED, DISTRESSED, DEAD, OR REJECTED (PRIOR TO SUBSTANTIAL COMPLETION) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE.
- ALL PLANT MATERIALS AND INSTALLATION SHALL COMPLY WITH RECOMMENDATIONS AND REQUIREMENTS OF ANSI Z60.1 "AMERICAN STANDARD FOR NURSERY STOCK".
  - ALL PLANT MATERIAL SHALL BE HEALTHY, VIGOROUS, AND FREE OF PESTS AND DISEASE.
  - ALL PLANT MATERIAL SHALL BE CONTAINER GROWN OR BALLED AND BURLAPPED AS INDICATED IN THE PLANT LIST.
  - ALL TREES SHALL HAVE A STRAIGHT TRUNK AND FULL HEAD.

CONSTRUCTION/INSTALLATION
- CONTRACTOR IS ENCOURAGED TO COMPLETE TEMPORARY OR PERMANENT SEEDING IN STAGES FOR SOIL STABILIZATION AS AREAS ARE COMPLETED AFTER GRADING. THIS PLAN DOES NOT PRESENT ANY TEMPORARY STABILIZATION REQUIRED AS PART OF SWPPP PLAN.
- CONTRACTOR SHALL TAKE 3 REPRESENTATIVE SOIL SAMPLES OF EACH PROPOSED PLANT BED AND SUBMIT COPIES OF THE RESULTS TO THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING WORK.
- STUMPS LABELED FOR REMOVAL SHALL BE EXCAVATED, NOT GROUND. REMOVE ALL DEBRIS FROM THE HOLE. FILL WITH TOP SOIL, COMPACT, AND RAKE SMOOTH PRIOR TO INSTALLING NEW PLANT MATERIAL.
- CONTRACTOR IS RESPONSIBLE FOR DELIVERY SCHEDULE AND PROTECTION BETWEEN DELIVERY AND PLANTING TO MAINTAIN HEALTHY PLANT CONDITIONS.
- ALL LANDSCAPED AND LAWN AREAS ARE TO RECEIVE A MINIMUM OF 4" OF TOPSOIL.
- ALL LANDSCAPE ISLANDS SHALL BE GRADED FOR POSITIVE DRAINAGE WITH NO LOW SPOTS ALLOWING WATER TO BE TRAPPED.
- INSTALL LANDSCAPE PLANTINGS AT ENTRANCES/EXITS AND PARKING AREAS ACCORDING TO PLANS SO MATERIAL WILL NOT INTERFERE WITH SIGHT DISTANCES.
- THE SIZE OF THE PLANTING AREA AND SIZE OF PLANT MATERIAL AT MATURITY SHALL ALLOW FOR A 2.5' BUMPER OVERHANG FROM THE BACK OF CURB.
- ALL TREES MUST BE GUYED OR STAKED AS DETAILED.
- AREAS DAMAGED FROM PLANT RELOCATION OR OTHER ACTIVITIES OF LANDSCAPE CONTRACTOR TO BE RESEEDED AND ESTABLISHED AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR IS RESPONSIBLE FOR WATERING ALL PLANT MATERIAL DURING INSTALLATION AND UNTIL FINAL INSPECTION AND ACCEPTANCE BY OWNER. CONTRACTOR SHALL NOTIFY OWNER OF CONDITIONS WHICH AFFECTS THE GUARANTEE. IT MAY BE NECESSARY TO TRUCK IN NON-CITY WATER TO MEET PLANT NEEDS.
- USE HERBICIDES, PESTICIDES, AND FERTILIZER IN A MANNER CONSISTENT WITH THE FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT AND IN ACCORDANCE WITH LABEL RESTRICTIONS.
- ALL LAWN AREAS TO BE SEEDED SHALL USE A LOCALLY GROWN COMMERCIAL MIX MEETING LATEST STATE OF NORTH CAROLINA AGRICULTURE STANDARDS FOR SEED AND PLANT CERTIFICATION.
- SEEDING AND STRAW NOTES FOR LAWN AREAS:
  - RIP THE ENTIRE AREA TO DEPTH OF NOT LESS THAN 6".
  - REMOVE ALL LOOSE ROCKS, ROOTS, AND OTHER OBSTRUCTIONS LEAVING SURFACE SMOOTH AND UNIFORM. DISPOSE OF WASTE MATERIAL OFF-SITE.
  - CHISEL COMPACTED AREAS AND SPREAD TOPSOIL TO SPECIFIED DEPTH.
  - APPLY AGRICULTURAL LIME, FERTILIZER, AND SUPER PHOSPHATE UNIFORMLY AND MIX WITH SOIL. APPLY SOIL AMENDMENTS PER REQUIRED SOIL ANALYSIS RECOMMENDATIONS.
  - CONTINUE TILAGE UNTIL A WELL PULVERIZED, FIRM, REASONABLY UNIFORM SEEDBED IS PREPARED.
  - SEED ON A FRESHLY PREPARED SEEDBED AND COVER SEED LIGHTLY WITH SEEDING EQUIPMENT OR CULTIPACK AFTER SEEDING.
  - MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH
  - INSPECT ALL SEEDED AREAS AND IF POSSIBLE, MAKE NECESSARY REPAIRS OR RESEEDINGS WITHIN THE PLANTING SEASON. IF GRANDSTAND SHOULD BE OVER 60% DAMAGED, REESTABLISH FOLLOWING ORIGINAL LIME, FERTILIZER, AND SEEDING RATES.
  - ANCHOR TACK WITH LIQUID ASPHALT AT 400 GAL/ACRE OR EMULSIFIED ASPHALT AT 300 GAL/ACRE.
- BIODEGRADABLE WEED MATTING (ALL-PRO WEED MAT OR APPROVED EQUAL) SHALL BE REQUIRED IN SHRUB BEDS ADJACENT TO BUILDING FACADE.
- PLANTING BEDS TO BE COMPLETELY COVERED WITH A MINIMUM 4" DEPTH OF MATERIAL FROM A LOCAL SOURCE HARVESTED IN A SUSTAINABLE MANNER. REFER TO LANDSCAPE SCHEME FOR MATERIAL SPECIFICATIONS.
- MULCH ALL PLANT BEDS AND TREE RINGS WITH FRESH, CLEAN MATERIAL PER SPECIFICATIONS. ALL MULCH EDGES SHALL BE NEATLY TUCKED. ALL STRING AND/OR BAILING WIRE SHALL BE REMOVED. DUST SHRUBS AND GROUND COVER AFTER MULCHING TO REMOVE LOOSE MATERIAL FROM PLANTS. DO NOT PLACE MULCH IN CONTACT WITH THE TREE TRUNK. KEEP A MINIMUM OF 4" AWAY FROM TREE TRUNK OR BASE OF PLANT.
- MULCH AND NO-MOW MIXES SHALL BE REPLENISHED AS NEEDED, ESPECIALLY AFTER HEAVY RAIN EVENTS. IF NO-MOW MIX GERMINATES AT A RATE OF LESS THAN 90%, THEN REMOVE OTHER SPECIES AND RESEED.

TEMPORARY IRRIGATION
- CONTRACTOR TO PROVIDE AND MAINTAIN TEMPORARY IRRIGATION FOR SOD WITHIN THE STORMWATER CONTROL MEASURE UNTIL SOD BECOMES ESTABLISHED.

INSPECTIONS/GUARANTEE
- LANDSCAPE CONTRACTOR SHALL NOTIFY GENERAL CONTRACTOR UPON COMPLETION OF LANDSCAPE INSTALLATION. CONTRACTOR WILL VERIFY COMPLETENESS INCLUDING THE REPLACEMENT OF ALL DEAD PLANT MATERIAL. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A FINAL INSPECTION BY LANDSCAPE ARCHITECT.
- PLANT MATERIAL QUANTITIES AND SIZES WILL BE INSPECTED FOR COMPLIANCE WITH APPROVED PLANS BY A SITE PLAN REVIEW AGENT PRIOR TO THE RELEASE OF THE CERTIFICATE OF OCCUPANCY.
- CONTRACTOR TO GUARANTEE ALL PLANT MATERIALS FOR ONE FULL YEAR AGAINST DEFECTS INCLUDING DEATH AND UNSATISFACTORY GROWTH. WARRANTY PERIOD SHALL BEGIN UPON CERTIFICATE OF OCCUPANCY OR WHEN THE OWNER TAKES OVER MAINTENANCE, WHICHEVER COMES FIRST.
- CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF PLANTINGS FROM GEESE DURING ESTABLISHMENT PERIOD. CITY OF DURHAM REQUIRES 85% COVERAGE OF WET POND PLANTINGS PRIOR TO PROJECT CLOSEOUT.



01 TREE DIAPER DETAIL
NTS

TreeDiaper® Size & Rootball/Container Sizes

Container # or Ball & Burlap	Gallon Size	Rootball Diameter	Rec'd Minimum TreeDiaper® Size
#1	1	6-8"	TD18
#2	2	8-10"	TD18
#3	3	10-12"	TD20 or TD24
#5	5	10-12"	TD24
#7	7	12-14"	TD24
#10	10	12-18"	TD24 or 1 TD36
#15	15	16-19"	TD36
#20	20	18-24"	1 TD36 or 1 TD48
#25	25	22-28"	1 TD48
#30	30	24-30"	1 TD48
#45	45	26-31"	1 Unit of TD48
#65	65	30-34"	1¼ Unit of TD48
B&B		34"	1¼ Units of TD48
#100 or B&B	100	36-44"	1½ Units of TD48
#150 or B&B	150	45"	2 Units of TD48
#200 or B&B	200	50"	2¼ Units of TD48
#300 or B&B	300	60"	3 Units of TD48
B&B		70"	3½ Units of TD48
B&B		90"	5¼ Units of TD48
B&B		120"	8½ Units of TD48

Notes:
1. Why Size Matters! Case study: treediaper.com/case-studies/size-matters →
2. Different container manufacturers may have different dimensions.
3. For small plants, TreeDiaper® sizes should be 2 times of rootball, except the smallest size for in-ground plants is TD18, even for plants with 6" rootball
4. TD18-TD24 are made of 1 whole piece; TD36 is made of 2 halves; and TD48 is made of 4 quarters.
5. For rootballs larger than 20", use multiple units of TD48 to cover a circle 20+" larger than the rootball. Use the chart or use the following formula to calculate the number (N) of TD48 units:

N = (Rootball size in inches + 20)²/(48)²

Round N up to the closest quarters for the N of TD48.
Example: for trees with 55" rootball sizes:

N = (55+20)²/48² = 5625/2304 = 2.44 --> 2.5 units (10 quarters) TD 48

TreeDiaper® Dia. Should be Double Rootball Dia.

NOT ONE—SIZE—FIT—ALL



811 KNOW WHAT'S BELOW. CALL 811 BEFORE YOU DIG.

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1251 KEVIN T. BARNES

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02-06-2026
PHASE: PERMIT SET

SHEET ISSUE:

PRINCIPAL IN CHARGE: MS
PROJECT ARCHITECT: BF
DRAWN BY: JDM

SHEET TITLE:
LANDSCAPE NOTES & DETAILS

SHEET NO. L2.0
PROJ. NO.

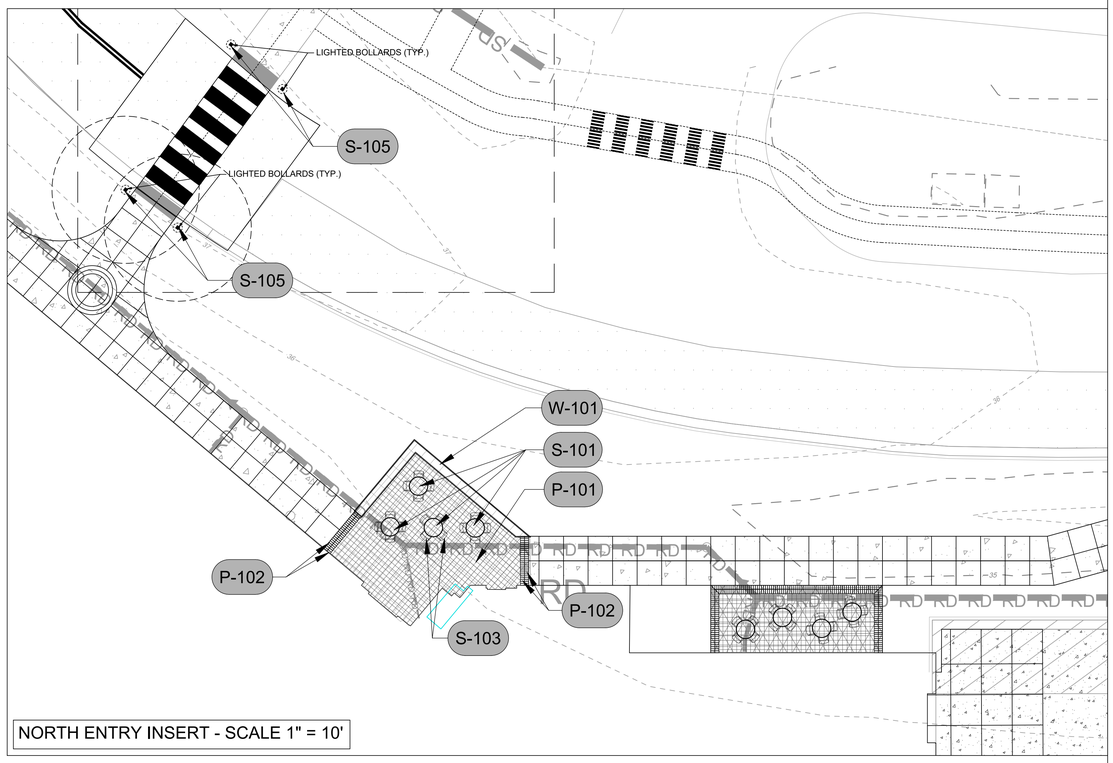
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED UPON REQUEST AT THE COMPLETION OF THE PROJECT. THESE DRAWINGS ARE NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH ARCHITECTURE ALL RIGHTS RESERVED

REFERENCE NOTES SCHEDULE

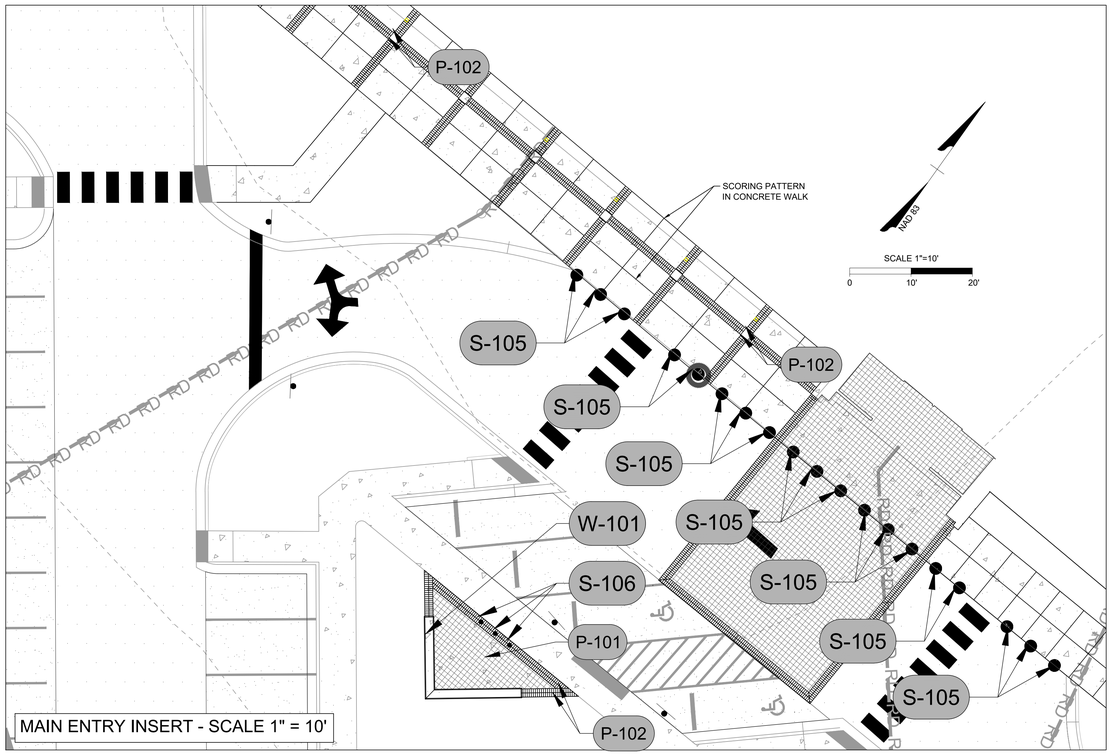
CODE	DESCRIPTION	MANUFACTURER	DETAILS	AREA
PAVING				
P-101	TERRAZZO GRANITE, PER WAUSAU TILE (OR APPROVED EQUAL)	WAUSAU TILE	02/L3.1	452.894 SF
P-102	DOUBLE-ROW SOLDIER COURSE WITH STANDARD PRE-CAST CONCRETE UNIT PAVERS		03/L3.1	

CODE	DESCRIPTION	COLOR	SIZE	MANUFACTURER	MODEL	DETAILS	QUANTITY
SITE FURNISHINGS							
S-101	LANDSCAPE FORMS WDMK-RECT-M WINDMARK SERIES RECTANGULAR TABLE. STEEL BASE CONSTRUCTION WITH METAL TOP. 96IN. L X 32IN. D X 29IN. H. FRAME: GLOSS WHITE POWDERCOAT NEUTRAL TABLETOP: GLOSS WHITE POWDERCOAT NEUTRAL	GLOSS WHITE		LANDSCAPE FORMS	WDMK-RECT-M	01/L3.2	4
S-103	LANDSCAPE FORMS WDMK-M-A-GRASS CAST ALUMINUM FRAME WITH ARMS AND METAL SEAT. GRASS PATTERN. FRAME: GLOSS WHITE POWDERCOAT NEUTRAL SEAT: GLOSS WHITE POWDERCOAT NEUTRAL	GLOSS WHITE		LANDSCAPE FORMS	WDMK-M-A-GRASS	01/L3.2	16
S-105	BOLLARD - BEGA - SYSTEM BOLLARD TUB PRODUCT: 84 016		8-5/8" W X 34-3/8" H	BEGA NORTH AMERICA	84 016	03/L3.2	19
S-106	STANDARD FLAGPOLE. TYPICAL.					04/L3.2	3

CODE	DESCRIPTION	SIZE	DETAILS
WALL			
W-101	SEAT WALL. PRE-CAST CONCRETE CAP.	39 LF	04/L3.1



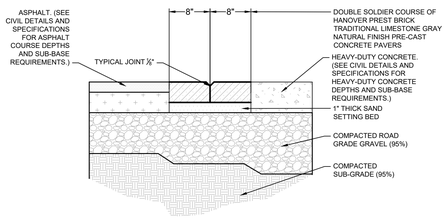
NORTH ENTRY INSERT - SCALE 1" = 10'



MAIN ENTRY INSERT - SCALE 1" = 10'

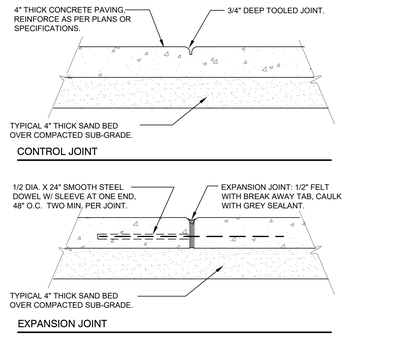
HARDSCAPE NOTES:

1. ELEMENTS SPECIFIED AND/OR MANUFATURED BY OTHERS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. ALL EFFORTS HAVE BEEN EXHAUSTED TO COORDINATE PLANS AND DETAILS. HOWEVER, CONTRACTOR SHALL BRING ANY DISCOVERED DISCREPANCIES BETWEEN PLANS, NOTES, DETAILS, AND SPECIFICATIONS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT.



NOTE: INSTALL IN ACCORDANCE WITH CONTRIBUTING MANUFACTURER'S INSTRUCTIONS.

01 DOUBLE SOLDIER COURSE BAND



02 CONCRETE EXPANSION/CONTROL

1 1/2" = 1'-0" FX-AMEN-FX-PAV-05

811 KNOW WHAT'S BELOW. CALL 811 BEFORE YOU DIG.

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1251 KEVIN T. BARNES

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE:	02-06-2026
PHASE:	PERMIT SET
SHEET ISSUE:	

PRINCIPAL IN CHARGE:	MS
PROJECT ARCHITECT:	BF
DRAWN BY:	JDM

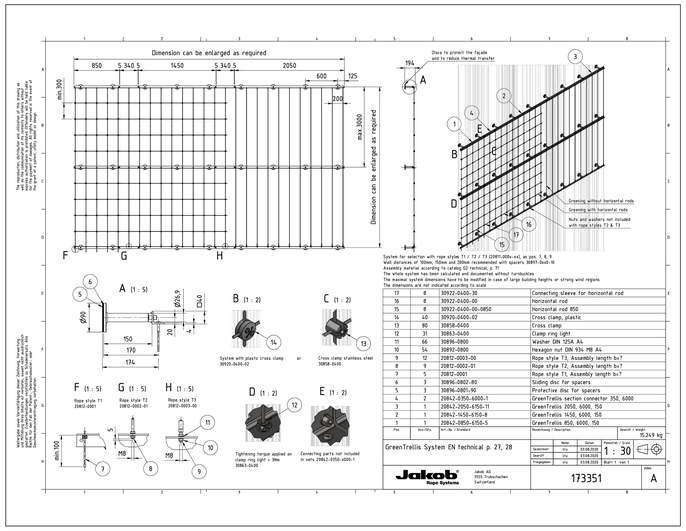
SHEET TITLE:

HARDSCAPE PLAN INSERT & NOTES

SHEET NO. L3.0 PROJ. NO.

ALL DRAWINGS, SPECIFICATIONS AND CONCEPTS THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE, ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED ON DEMAND AT COMPLETION OF THE PROJECT. THESE MATERIALS ARE NOT TO BE CHANGED OR ALTERED WITHOUT THE WRITTEN PERMISSION OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ANY REUSE OF THESE MATERIALS ON THIS PROJECT OR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO MCMILLAN PAZDAN SMITH ARCHITECTURE. USER SHALL INDEMNIFY AND HOLD HARMLESS MCMILLAN PAZDAN SMITH ARCHITECTURE FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH ARCHITECTURE. ALL RIGHTS RESERVED

ALL DRAWINGS, SPECIFICATIONS AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR ALL COPIES DESTROYED ON REQUEST. THESE DRAWINGS AND SPECIFICATIONS ARE NOT TO BE LOANED, COPIED OR DISCLOSED WITHOUT WRITTEN CONSENT. VISUAL CONTACT WITH THESE DRAWINGS OR SPECIFICATIONS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS. ON SUBMITTAL ACCEPTED FOR CONSTRUCTION DRAWINGS MAY NOT BE USED FOR PROJECT OTHER THAN THE PROJECT, ASSIGNED FOR CONSTRUCTION, OR SUBJECT OPTIONAL REGULATORY REQUIREMENTS FOR COPYRIGHT PROTECTION UNDER U.S. COPYRIGHT LAW. COPYRIGHT © 2021 MCMILLAN PAZDAN SMITH ARCHITECTURE ALL RIGHTS RESERVED



Pos.	Anz./Qty.	Art.-Nr. / Standard	Benennung / Description
13	8	30922-0400-30	Connecting sleeve for horizontal rod
16	8	30922-0400-00	Horizontal rod
15	8	30922-0400-00-0850	Horizontal rod 850
14	40	30920-0400-02	Cross clamp, plastic
13	80	30858-0400	Cross clamp
12	31	30863-0400	Clamp ring light
11	66	30896-0800	Washer DIN 125A A4
10	54	30892-0800	Hexagon nut DIN 934 M8 A4
9	12	20812-0003-00	Rope style T3, Assembly length bs?
8	9	20812-0002-01	Rope style T2, Assembly length bs?
7	5	20812-0001	Rope style T1, Assembly length bs?
6	3	30896-0802-80	Sliding disc for spacers
5	3	30896-0801-90	Protective disc for spacers
4	2	20842-0950-6000-1	GreenTrellis section connector 950, 6000
3	1	20842-2950-6150-11	GreenTrellis 2050, 6000, 150
2	1	20842-1450-6150-8	GreenTrellis 1450, 6000, 150
1	1	20842-0850-6150-5	GreenTrellis 850, 6000, 150

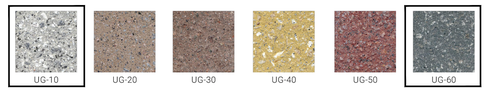
Name	Datum
Gezeichnet	23.08.2020
Geprüft	23.08.2020
Freigegeben	23.08.2020

01 JAKOB GREEN WALL SYSTEM (OR LA APPROVED EQUAL)

NTS

WAUSAU TILE

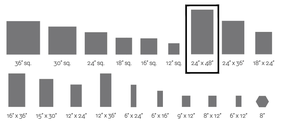
TEXTURED GRANITE PAVERS



Due to the natural variances in aggregate materials, the color characteristics of manufactured pavers may differ slightly from the color swatches pictured. Your monitor or printer may not be an accurate representation of the actual production color or finish.

PROPERTY	ADVANCED TESTING VALUE	TEST METHOD
Compressive Strength	> 8,000 PSI avg. with no individual unit less than 7,500 PSI	ASTM C 140
Water Absorption	< 6%	ASTM C 140
Flexural Strength	> 1,200 pounds average	ASTM C 140
Freeze/Thaw	< 1% loss of dry weight (100 cycles)	ASTM C 1262
Center Load	1,850 lbs.	WTCL 99

Testing based on 24"x24"x2" pressed paver



STANDARD SIZES

All pavers available in thickness ranging from 1-¼" - 3" on certain sizes. In addition to these standard sizes, each Wausau Tile paver series is available in a variety of standard and custom plank-style paver sizes.

Check WausauTile.com or call your sales rep for more details.

CALL FOR FURTHER DETAILS & PRICING.

P: 800.388.8728 | E: wtile@wausautile.com | WAUSAUTILE.COM

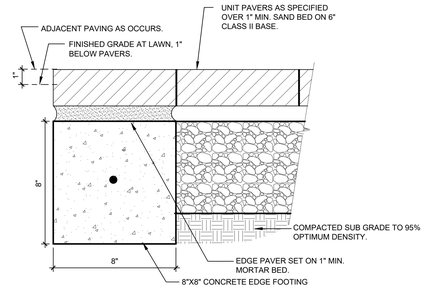
June 2021

02 PAVER INFORMATION - TEXTURED GRANITE

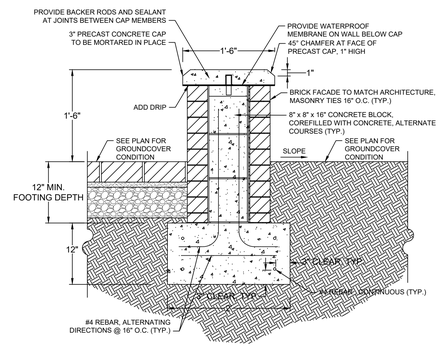
NTS

PAVER NOTES

1. TERRAZZO GRANITE PAVERS PER WAUSAU TILE (OR APPROVED EQUAL), BLENDED FINISH COMPRISING APPROXIMATELY 60% UG-60 AND 40% UG-10. FINAL PATTERN AND DISTRIBUTION TO BE COORDINATED WITH LANDSCAPE ARCHITECT.
2. SOLDIER COURSE WITH PRE-CAST CONCRETE PAVERS AS SHOWN IN PLANS (SEE REF NOTE P-102)



03 UNIT PAVER EDGE CONDITION

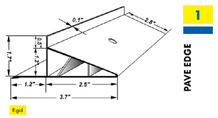


04 SEAT WALL - PRE-CAST CONCRETE CAP

Rigid

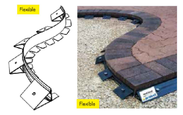
Rigid can be used as a flexible edge restraint. A 7 ft section can be flexed slightly to produce a contour with a radius limit of approximately 17 ft. The rigid model is ideal for straight runs and gentle curves with minimal spikes.

Type	Description	Item Weight lbs (kg)	Order Number
Rigid 84 ft Bundle	12 x 7 ft Sections	141 (64.0)	51800123
Rigid 4,116 ft Pallet	588 x 7 ft Sections	16466(747)	51800120



1

PAVE EDGE



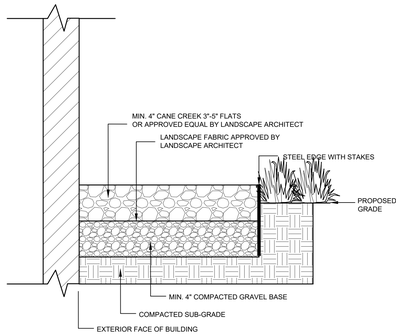
Flexible

- Can create radius as tight as 18"
- Ideal for tight curves
- Easily makes beautiful curves with perfect transitions and with minimum spikes

Type	Description	Item Weight lbs (kg)	Order Number
Flexible 84 ft Bundle	12 x 7 ft Sections	99 (9.4)	51800123
Flexible 4,116 ft Pallet	588 x 7 ft Sections	1285 (560)	51800123

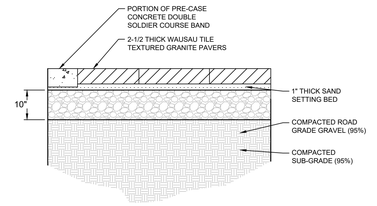
RIVER STONE BORDER NOTES:

1. RIVER STONE (DECORATIVE): PROVIDE WASHED NATURAL RIVER STONE, GREY/COBBLE COLOR, NOMINAL 1½"–3" DIAMETER (ASTM D448 SIZE NO. 4). AGGREGATE SHALL BE CLEAN, HARD, AND DURABLE, FREE OF FINES AND ORGANIC MATERIAL AND CONFORMING TO ASTM C33 / C33M QUALITY REQUIREMENTS. INSTALL OVER GEOTEXTILE FABRIC WITH CONTINUOUS METAL EDGE RESTRAINT



05 RIVER STONE BORDER WITH METAL EDGE

NTS



NOTE: INSTALL IN ACCORDANCE WITH CONTRIBUTING MANUFACTURER'S INSTRUCTIONS. MANUFACTURER RECOMMENDS MIN. 2-1/2" THICKNESS FOR MODERATE TO HEAVY VEHICULAR TRAFFIC.

05 EXTERIOR TILE DETAIL

GENERAL LAYOUT NOTES

1. ANY DISCREPANCIES IN LAYOUT SHOULD BE BROUGHT TO THE LANDSCAPE ARCHITECT'S ATTENTION PRIOR TO CONSTRUCTION.
2. ALL STAKING WORK TO BE DONE BY A LICENSED SURVEYOR REGISTERED IN THE STATE OF NORTH CAROLINA.
3. WRITTEN DIMENSIONS SUPERCEDE SCALED DIMENSION. DO NOT SCALE DRAWINGS. ALL DIMENSIONS TO BACK OF CURB UNLESS OTHERWISE NOTED.
4. CONTRACTOR TO ADJACENT TO PAVEMENT AND CURBS TO REMAIN IS CLEANLY AND CORRECTLY SAW CUT.
5. CONTRACTOR TO COORDINATE WITH UTILITY SUPPLIERS TO ADJUST ANY EXISTING UTILITY ELEVATIONS TO ENSURE A FLUSH CONDITION WITH NEW WORK.

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.

mcmillan pazdan smith
ARCHITECTURE

EDIFICE CONSTRUCTION

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1251 KEVIN T. BARNES

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE:	02-06-2026
PHASE:	PERMIT SET
SHEET ISSUE:	

PRINCIPAL IN CHARGE:	MS
PROJECT ARCHITECT:	BF
DRAWN BY:	JDM

SHEET TITLE:

SURFACE MATERIALS PLAN

SHEET NO. L3.1

PROJ. NO.

Windmark™
Product Data Sheet

landscapeforms



Windmark is a striking chair and table collection for high-profile public/private spaces. In its scale, aesthetics and sense of fun Windmark is a perfect solution for defined spaces with special panache: resorts, outdoor restaurants, museum plazas, high-end residential settings and roof top terraces. McCurry draws inspiration from architecture, landscape, iconic furniture, history and poetry. She explains, "Like my architecture, I wanted this furniture to be contemporary with links to the past." Its forms are derived by bending and folding material in inventive ways, a few deft strokes creating shapes that are simple but arrestingly new. Whimsical cutouts made with leading edge technology dissipate heat, shed water and add character. The combined use of aluminum and steel imparts visual lightness with structural strength and heft enough to hold the ground in the wind.

Chair
- Chairs are fabricated with cast aluminum frames and either patterned metal or wood slat seats and backs.
- Chairs may be specified with or without arms.
- Metal seat/back offered in Grass, Leaf, or Rain patterns.
- Custom patterns may be created for chair seat/backs.
- Steel seat and back panels may be powdercoated a second color to coordinate with metal frame.
- Chairs ship fully assembled.
- Chairs meet ANSI/BIFMA standards.

	Style	Depth	Length	Height	Product Weight
	Metal Chair with arms	23"	23"	31"	42 lbs
	Metal Chair without arms	23"	18.5"	31"	36 lbs
	Wood Chair with arms	23"	23"	31"	39 lbs
	Wood Chair without arms	23"	18.5"	31"	34 lbs

1 Revised May 07, 2025 | **Landscape Forms Inc.** | 800.521.2546 | F 269.381.3455 | 7800 E. Michigan Ave., Kalamazoo, MI 49048

Windmark™
Product Data Sheet

landscapeforms



Table
- Table bases are fabricated of steel and offered in strap style.
- Table top may be powdercoated a second color to coordinate with metal frame.
- Tables meet ANSI/BIFMA standards.
- All metal and wood table tops are shipped assembled to base.
- May be specified with 42" square or 54" round metal top.
- 31" x 96" table top may be specified in wood or metal slats.

Finishes
- Interior woods are finished with Landscape Forms' exclusive LF-80 wood finish, a clear, catalyzed acrylic catalyzed acrylic lacquer.
- Exterior woods are unfinished and will weather to a soft pewter gray, requiring no future maintenance.
- Metal is finished with Landscape Forms' proprietary Pangard II® polyester powercoat, a hard yet flexible finish that resists rusting, chipping, peeling and fading.
- Call for standard color chart.
- A wide array of optional colors may be specified for an upcharge.

To Specify
- Specify Windmark Chair and select with or without arms. Choose seat panel design: Grass, Rain, Leaf, custom or wood. If wood seat is selected, specify wood type and powdercoat color for frame. Metal seat and back panels are powdercoated and a second color can be selected for the metal frame. Chairs ship fully assembled.
- Specify Windmark Table and select wood or metal table top. Choose powdercoat color(s), for metal table top, select color and optional second color can be selected to coordinate with metal base. For wood table top, specify wood type and powdercoat base color. Tables ship fully assembled.

Designed by Margaret McCurry

Click here for patent information related to this product.

Strap Table Bases					
	Style	Diameter/ Width	Length	Height	Product Weight
	Round Top	54"	N/A	29"	175 lbs
	Square Metal Top	42"	N/A	29"	164 lbs
	Metal Top	31"	93"	29.25"	272 lbs
	Wood Top	31"	93"	29.25"	272 lbs

Visit landscapeforms.com for more information. Specifications are subject to change without notice. Landscape Forms supports the Landscape Architecture Foundation at the Second Century level. ©2025 Landscape Forms, Inc. Printed in U.S.A.

2 Revised May 07, 2025 | **Landscape Forms Inc.** | 800.521.2546 | F 269.381.3455 | 7800 E. Michigan Ave., Kalamazoo, MI 49048

NTS

01 LANDSCAPE FORMS - WINDMARK METAL TABLE AND CHAIRS

System bollard summary · Square **BEGA**

The overview provides a compact summary of the possibilities for combining the various bollard heads with the bollard tubes and their additional functions.

For each bollard head you can find matching bollard tubes with and without components.

(4) AT CROSSING

(15) AT SOUTH (MAIN) ENTRY

System bollard heads with compatible tubes						
BEGA bollard tubes □ in inches	□ 6½	□ 8⅝	□ 6½	□ 8⅝	□ 6½	□ 8⅝
Without components in two heights	•	•	•	•	•	•
With integral PIR motion sensor	•	•	•	•	•	•
With drive-through protection		•		•		•
With integral GFCI outlet		•		•		•
Wood bollard tubes	•	•	•	•	•	•

Compatible heads · □ 8⅝

System bollard head · Unshielded with safety guard · 360°

	LED	A	B
B84681	15.7 W	8⅝	9¼

System bollard head · Shielded · 360°

	LED	A	B
B84691	25.2 W	8⅝	7½

(4) AT CROSSING

System bollard head · Non-illuminated cap

	A	B
B71125	8⅝	0¾

(15) AT SOUTH (MAIN) ENTRY

Shielded · 360°

	LED	EXPRESS		A	B
84 690	16.8W		388 lm	6¼	4⅞
84 691	25.2W	✓	709 lm	8⅝	7½

(4) AT CROSSING

BEGA 1000 BEGA Way, Carpinteria, CA 93013 (805) 684-0533 info@bega-us.com

Due to the dynamic nature of lighting products and the associated technologies, luminaire data on this sheet is subject to change at the discretion of BEGA North America. For the most current technical data, please refer to bega-us.com
© copyright BEGA 2026 Updated 01/30/23

System bollard tube · Drive-through protection **BEGA**

Application
BEGA system bollard luminaire impact tube for vehicular drive-through protection. BEGA system bollard tubes are designed for easy attachment to system bollard heads using an interlocking mechanism. An accompanying bollard head must be selected for proper installation. The bollard tube and anchorage are designed for two different impact ratings depending on the corresponding foundation detail: Up to 1.5 metric tons at 6 mph, or up to 1.5 metric tons at 30 mph. Full scale concrete and rebar structural construction documents provided. Statics calculation and design based on PA68: 2013 British Standard and Europe IWA 14-1: 2013.

Materials
Marine grade, copper free (≤0.3% copper content) A360.0 aluminum alloy
Stainless steel hardware
Galvanized steel anchorage

NRTL listed to North American Standards, suitable for wet locations
Protection class IP 65

Weight: 115.0 lbs.

Finish
All BEGA standard finishes are matte, textured powder coat with minimum 3 mil thickness. BEGA Unidure® finish provides superior fade protection in Black, Bronze, and Silver. BEGA standard White is a super durable polyester powder. Optionally available RAL, custom, and premium colors provided in polyester powder and/or liquid paint.

Available colors
- ☒ Black (BLK)
- ☐ Silver (SLV)
- ☐ Natural Bronze (NTB)
- ☐ CUS:
- ☐ Bronze (BRZ)
- ☐ White (WHT)
- ☐ RAL:

Type:
BEGA Product:
Project:
Modified:

Available options
- ☐ CUS Custom finish
- ☒ MGU Marine grade undercoat
- ☐ NTB Natural bronze (premium finish)
- ☐ RAL RAL Classic, matte finish

Included (available for pre-shipment)
- ☒ B96086 Direct burial anchorage



(19) TOTAL

System bollard tube · Drive-through protection

	A	B
B84016	8⅝	34⅜

BEGA 1000 BEGA Way, Carpinteria, CA 93013 (805) 684-0533 info@bega-us.com

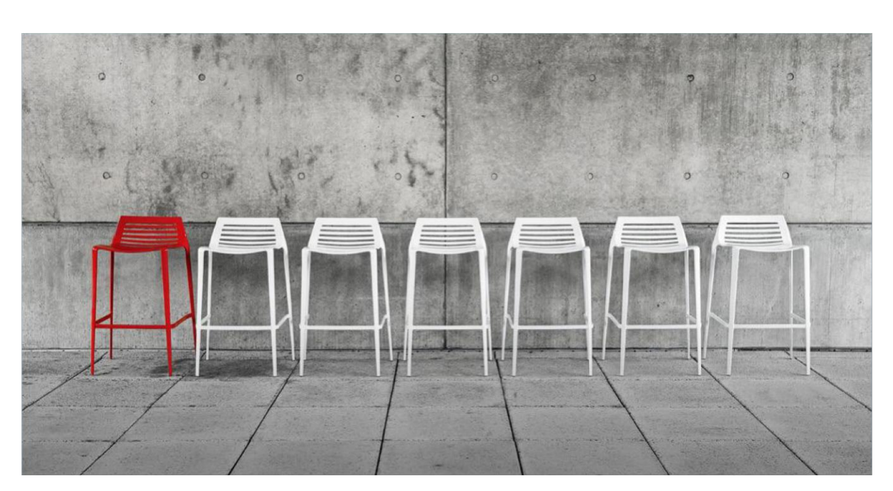
Due to the dynamic nature of lighting products and the associated technologies, luminaire data on this sheet is subject to change at the discretion of BEGA North America. For the most current technical data, please refer to bega-us.com
© copyright BEGA 2026 Updated 01/28/26

03 BOLLARD - BEGA - SYSTEM BOLLARD TUBE - 84 016

NTS

Chipman
Product Data Sheet

landscapeforms®



The Chipman line, designed by landscape architect Robert Chipman, includes a cast aluminum chair and stool of stunning sculptural form, and complimentary tables in lounge, dining and standing height versions. In its consummate refinement Chipman adds to the special ambience of high-profile terraces, rooftop gardens, cafes and other protected social spaces. The elegance of design and detail enable these pieces to move easily into high-end residential settings. The compatibility of elements makes it possible to specify one family of products for a range of commercial spaces. Chair, stool and tables are finished with Landscape Forms proprietary Pangard II® HAPS, VOC, lead-free polyester powdercoat. Chipman is intended and warrantied for use in protected public spaces and is part of Landscape Forms' Terrace Life group.

Table
- The tables have cast aluminum bases attached to a cast aluminum support tube.
- The support tube is bolted to a cast aluminum frame supporting a steel sheet top.
- The table features a unique surface/embedded mount system that allows for leveling adjustment.
- Dining table is available with or without umbrella hole.
- If used with umbrella, table must be surface mounted.

Table Top Shape	Style	Diameter/ Depth	Height	Product Weight
	Round Dining Table	45"	29.25"	85 lb
	Round Dining Table	36"	29.25"	64 lb
	Round Dining Table	31"	29.25"	55 lb
	Square Dining Table	37"	29.25"	82 lb
	Square Dining Table	32"	29.25"	68 lb
	Square Dining Table	27"	29.25"	55 lb
Table Top Shape	Style	Diameter/ Depth	Height	Product Weight
	Round Standing Table	36"	42.25"	68 Lb
	Round Standing Table	31"	42.25"	58 Lb

1 Revised July 10, 2020 | **Landscape Forms Inc.** | 800.521.2546 | F 269.381.3455 | 7800 E. Michigan Ave., Kalamazoo, MI 49048

Chipman
Product Data Sheet

landscapeforms®



Chair
- The frame of Chipman is formed of aluminum castings welded together to make the final form.
- Powdercoated seating is offered armless, or with arms, is lightweight and nests.
- Bumper/glides are made of tough nylon to resist damage from dragging on rough surfaces.

Stool
- The frame of Chipman is formed of aluminum castings welded together to make the final form.
- Powdercoated seating is offered armless, is lightweight and nests.
- Bumper/glides are made of tough nylon to resist damage from dragging on rough surfaces.

Finishes
- All metal is finished with Landscape Forms' proprietary Pangard II® polyester powdercoat, a hard yet flexible finish that resists rusting, chipping, peeling and fading.
- Call for standard color chart.

To Specify
Table
- Select table size, shape, height, and powdercoat color. Specify surface mount or freestanding. Select with or without umbrella hole for dining table only. If specified with umbrella, table must be surface mounted.

Chair
- Select chair with arms, or armless,and powdercoat color.

Stool
- Select powdercoat color.

Designed by Robert Chipman
Chipman is protects by U.S. Patent No. D694,543; D69,544; D746,074; D718,558

Chair	Style	Depth	Width	Height	Product Weight
	Armless	22"	20"	33"	17 Lb
	Arms	22"	24"	33"	20 Lb

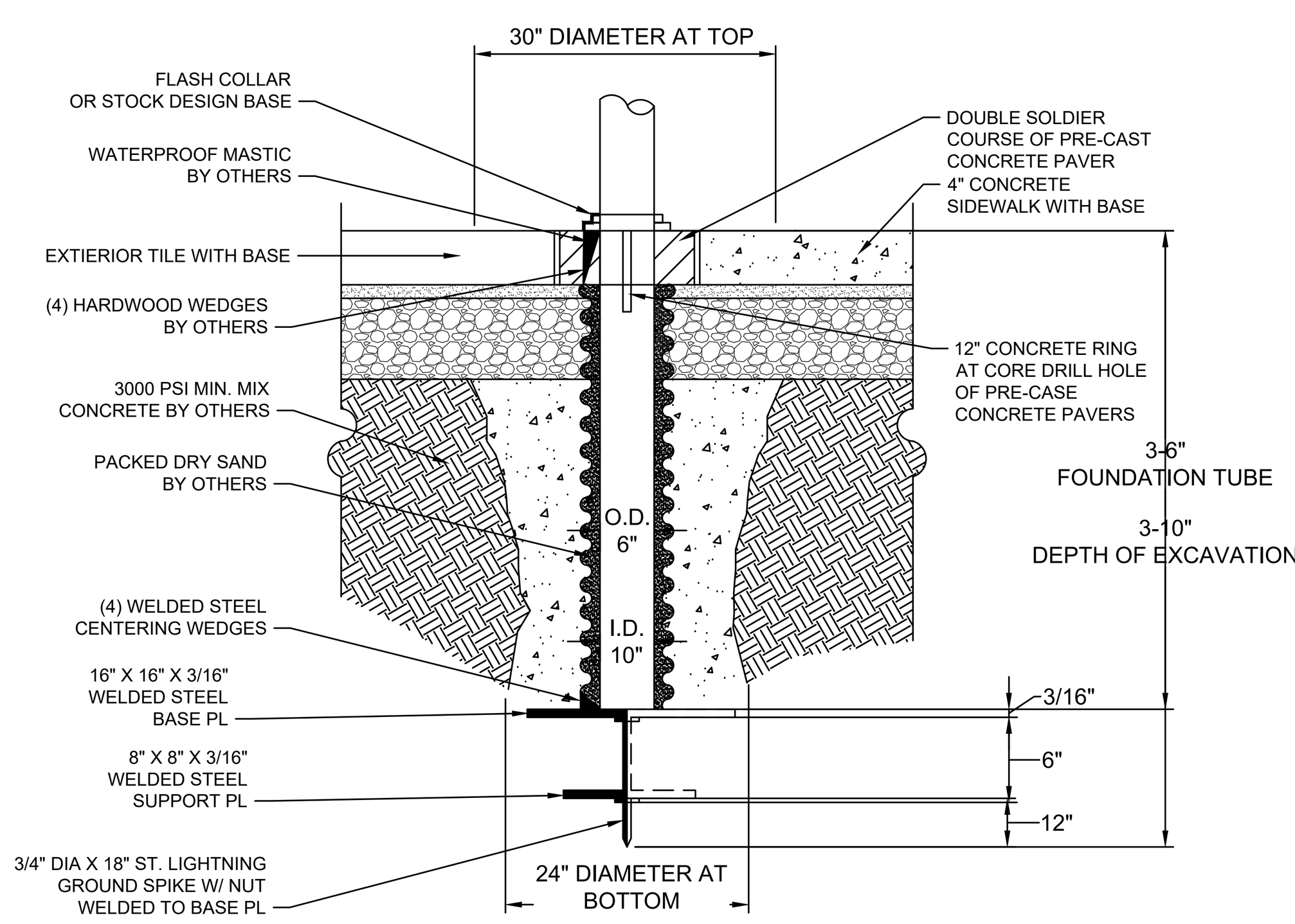
Stool	Style	Depth	Width	Height	Product Weight
	Stool	19"	22"	35"	18 Lb

Visit landscapeforms.com for more information. Specifications are subject to change without notice. Landscape Forms supports the Landscape Architecture Foundation at the Second Century level. ©2020 Landscape Forms, Inc. Printed in U.S.A.

3 Revised July 10, 2020 | **Landscape Forms Inc.** | 800.521.2546 | F 269.381.3455 | 7800 E. Michigan Ave., Kalamazoo, MI 49048

02 LANDSCAPE FORMS - CHIPMAN TABLES AND CHAIRS

NTS



NOTES:
THIS FOUNDATION DETAIL IS A RECOMMENDATION ONLY AND IS BASED ON GOOD, FIRM, DRY SOIL. ACTUAL FOUNDATION DESIGN IS THE RESPONSIBILITY OF THE PROJECT ENGINEER. IF ADDITIONAL FOUNDATION DEPTH IS REQUIRED, THE SPIKE CAN BE LENGTHENED AND THE DISTANCE BETWEEN THE BASEPLATE AND SUPPORT PLATE CAN BE INCREASED.

CARE MUST BE EXERCISED IN SETTING TUBE PLUMB & LEVEL IN FORMS AND IT MUST BE SECURED SO IT DOES NOT SHIFT WHEN POURING CONCRETE.

FLAGPOLE FOUNDATION DETAIL
NO SCALE

04 FLAGPOLE FOUNDATION DETAIL

NTS

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

NORTH CAROLINA LANDSCAPE ARCHITECT REGISTERED 1251 KEVIN T. BARNES

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02-06-2026
PHASE: PERMIT SET
SHEET ISSUE:

PRINCIPAL IN CHARGE: MS
PROJECT ARCHITECT: BF
DRAWN BY: JDM

SHEET TITLE:
HARDSCAPE NOTES & DETAILS

SHEET NO. PROJ. NO.

L3.2

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

GENERAL

1. THESE GENERAL NOTES ARE NOT INTENDED TO REPLACE SPECIFICATIONS. SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO THE GENERAL NOTES.
2. DO NOT SCALE DIMENSIONS FROM DRAWINGS. THE CONTRACTOR SHALL REQUEST NECESSARY DIMENSIONS NOT SHOWN ON THE DRAWINGS.
3. WHERE A DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE OR SIMILAR CONDITIONS EVEN THOUGH NOT SPECIFICALLY REFERENCED ON THE DRAWINGS.
4. WHERE A CONFLICT BETWEEN DRAWINGS AND SPECIFICATIONS OCCURS THE MORE STRINGENT REQUIREMENT SHALL APPLY.
5. IF ANY BIDDER IS IN DOUBT AS TO THE INTENT OF THE DRAWINGS OR SPECIFICATIONS, THEY SHALL REQUEST AN INTERPRETATION IN WRITING PRIOR TO THE SCHEDULED BID DATE.
6. THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND GRADE CONDITIONS (BOTH NEW AND EXISTING), REPORTING ANY DISCREPANCIES TO THE ENGINEER OF RECORD PRIOR TO FABRICATION OR PROCEEDING WITH STRUCTURAL WORK.
7. THE CONTRACTOR SHALL COMPARE THE STRUCTURAL DRAWINGS WITH THE ARCHITECTURAL DRAWINGS, AND REPORT ANY DISCREPANCIES TO THE ENGINEER OF RECORD PRIOR TO FABRICATION OR PROCEEDING WITH STRUCTURAL WORK.
8. SEE ARCHITECTURAL DRAWINGS FOR FLOOR ELEVATIONS, FLOOR SLOPES, AND THE LOCATION OF DEPRESSED FLOOR AREAS.

CONTRACTOR RESPONSIBILITY

1. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS (IF PROVIDED) REPRESENT THE FINISHED STRUCTURE, AND, EXCEPT WHERE SPECIFICALLY SHOWN, DO NOT INDICATE THE METHOD OR MEANS OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, PROCEDURES, TECHNIQUES, AND SEQUENCE. ALL APPLICABLE SAFETY REGULATIONS TO BE FOLLOWED STRICTLY.
2. THE STRUCTURE HAS BEEN DESIGNED TO RESIST DESIGN LOADS ONLY AS A COMPLETED STRUCTURE. APPLICATIONS OF CONSTRUCTION LOADS TO THE PARTIALLY COMPLETED STRUCTURE SHALL BE CONSIDERED BY THE CONTRACTOR AND SO INCLUDED IN THE DESIGN OF SHORING, BRACING, FORMWORK, AND ANY OTHER SUPPORTING ELEMENTS PROVIDED FOR CONSTRUCTION OF THE STRUCTURE. DURING ERECTION AND UNTIL ALL PERMANENT CONNECTIONS ARE MADE, THE CONTRACTOR MUST PROVIDE TEMPORARY BRACING FOR THE STRUCTURE IN ALL DIRECTIONS UNTIL THE STRUCTURAL WORK IS COMPLETE.
3. ALL INTERIOR HANGING COMPONENTS (CEILING, DUCTWORK, PIPING, EQUIPMENT, ETC.) SHALL BE COORDINATED BY THE CONTRACTOR TO ENSURE LOADS APPLIED TO THE STRUCTURE DO NOT EXCEED THE LIMITS SHOWN IN THE DESIGN CRITERIA OR ELSEWHERE IN THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ADEQUACY OF THE CONNECTIONS TO THE SUPPORTING STRUCTURAL ELEMENTS AND THE ADEQUACY OF THE HANGING SYSTEM TO SUPPORT THE COMPONENTS.
4. ALL ARCHITECTURAL, ELECTRICAL, MECHANICAL, AND PLUMBING COMPONENTS NOT SHOWN ON THE STRUCTURAL DRAWINGS, THAT FRAME TO THE UNDERSIDE OF STRUCTURE ABOVE, SHALL BE DETAILED AND FRAMED BY THE CONTRACTOR TO ALLOW FOR DEFLECTION OF THE STRUCTURAL FRAMING. SEE THE DESIGN CRITERIA FOR THE LIMITS USED IN THE DESIGN.
5. PRINCIPAL OPENINGS IN THE STRUCTURE ARE SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL EXAMINE THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ALL REQUIRED OPENINGS. SUPPORT FRAMING FOR ALL OPENINGS SHALL BE PROVIDED AND INSTALLED PER TYPICAL DETAILS HEREIN WHETHER SHOWN ON THESE DRAWINGS OR NOT. THE CONTRACTOR SHALL VERIFY SIZE AND LOCATION OF ALL OPENINGS WITH ALL SUBCONTRACTORS AND THEIR APPROVED SHOP DRAWINGS PRIOR TO CONSTRUCTION.
6. ALL EXTERIOR WALL AND ROOF COMPONENTS AND CLADDING ENGINEERED BY THE COMPONENT MANUFACTURER ARE TO BE DESIGNED BY THE MANUFACTURER'S ENGINEER FOR COMPONENTS AND CLADDING WIND LOADS NOTED IN THE DESIGN CRITERIA.
7. ALL ARCHITECTURAL, ELECTRICAL, MECHANICAL, AND PLUMBING COMPONENTS ARE TO BE ATTACHED AS REQUIRED BY ASCE/SEI 7 CHAPTER 13, "SEISMIC DESIGN REQUIREMENTS FOR NONSTRUCTURAL COMPONENTS". EACH INDIVIDUAL CONTRACTOR RESPONSIBLE FOR THE COMPONENT MUST PROVIDE PROJECT SPECIFIC DESIGN AND DOCUMENTATION PREPARED BY AN ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED. CHAPTER 13 DEFINES THE FORCE REQUIRED TO SUPPORT THE COMPONENT FOR THE ANCHORAGE AND BRACING. THE COST OF PREPARING THIS INFORMATION AND DESIGN SHALL BE INCLUDED IN EACH CONTRACTOR'S BID THAT IS PROVIDING THE COMPONENT.
8. SEVERAL ITEMS NOTED HEREIN (WHERE CHECKED) AND IN THE SPECIFICATIONS REQUIRE THE CONTRACTOR TO ENGAGE A PROFESSIONAL ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED, TO PROVIDE DESIGN AND/OR DETAILING OF STRUCTURAL ELEMENTS. SEE INDIVIDUAL NOTES AND SPECIFICATION SECTIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS. DELEGATED DESIGN ELEMENTS INCLUDE, BUT ARE NOT LIMITED TO:
   - ☒ SPECIALTY FOUNDATION SYSTEM
   - ☐ POST-TENSIONED CONCRETE (LAYOUT AND STRESSING)
   - ☐ STRUCTURAL PRECAST CONCRETE
   - ☐ ARCHITECTURAL PRECAST CONCRETE
   - ☒ STRUCTURAL STEEL (CONNECTIONS)
   - ☐ PREFABRICATED METAL BUILDING
   - ☒ STEEL STAIRS AND RAILINGS
   - ☒ STEEL JOISTS AND STEEL JOIST GIRDERS
   - ☐ ROOF ANCHORS
   - ☒ NON-LOAD BEARING COLD-FORMED STEEL
   - ☐ LOAD BEARING COLD-FORMED STEEL
   - ☐ LIGHT GAUGE COLD-FORMED STEEL TRUSSES
   - ☐ PREFABRICATED WOOD TRUSSES
   - ☐ ANCHOR TIE-DOWN SYSTEM FOR WOOD SHEAR WALLS
9. THIS PROJECT REQUIRES SPECIAL INSPECTIONS AS DESCRIBED IN CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE. SEE STATEMENT OF SPECIAL INSPECTIONS FOR REQUIRED INSPECTIONS. CONTRACTOR SHALL COORDINATE WITH SPECIAL INSPECTOR ALL WORK REQUIRING SPECIAL INSPECTIONS AND TESTING.

DESIGN CRITERIA

1. PROJECT LOCATION: 67 GOVERNMENT CENTER DRIVE NE | BOLIVIA, NC 28422 ⚠1
2. APPLICABLE CODES:
   - 2018 NORTH CAROLINA BUILDING CODE (2015 INTERNATIONAL BUILDING CODE WITH REVISIONS)
   - MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES (ASCE/SEI 7-16)
   - BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-14)
   - BUILDING CODE REQUIREMENTS|SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530|530.1-13)
   - SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS (AISC 360-10)
   - NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (ANSI/AWC NDS-2015)
   - NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS (AISI S100-12)
3. RISK CATEGORY: IV
4. DEFLECTION:
   - FLOOR FRAMING: L/240 FOR TOTAL LOADING (1.50" FOR 30' SPAN), L/360 FOR LIVE LOADING (1.00" FOR 30' SPAN)
   - ROOF FRAMING: L/180 FOR TOTAL LOADING (2.00" FOR 30' SPAN), L/240 FOR LIVE LOADING (1.50" FOR 30' SPAN)
   - MEMBERS SUPPORTING BRICK: L/600 FOR LIVE LOADING (0.60" FOR 30' SPAN)
   - STRUCTURAL DRIFT LIMITS: WIND, H/400 (USING V = 106 MPH AND MEAN RECURRENCE INTERVAL OF 50 YEARS)
     SEISMIC, PER ASCE 7 12.12
5. LIVE LOADS:

	UNIFORM (PSF)	CONCENTRATED (LB)
CORRIDORS (2ND AND ABOVE)	80	2,000
CORRIDORS (GROUND)	100	2,000
MECHANICAL	150	NA (4" NW CONCRETE HOUSEKEEPING PAD INCLUDED)
OFFICE	65*	2,000
PUBLIC AREAS, LOBBIES	100	2,000
ROOF	20	300
STAIRS	100	300
STORAGE	125	NA

   * ADDITIONAL 15 PSF PARTITION LOAD INCLUDED
6. SNOW LOAD:
   - GROUND SNOW LOAD: p_g = 10 PSF
   - IMPORTANCE FACTOR: I_s = 1.20
   - SNOW EXPOSURE FACTOR: C_e = 1.00
   - THERMAL FACTOR: C_t = 1.00
   - MINIMUM ROOF SNOW LOAD: p_m = 12 PSF
   - FLAT SNOW ROOF LOAD: p_f = 13.4 PSF (INCLUDES RAIN ON SNOW)
7. WIND LOAD:
   - BASIC DESIGN WIND SPEED: V = 161 MPH (ALLOWABLE STRESS DESIGN WIND SPEED, V_{asd} = 125 MPH)
   - EXPOSURE CATEGORY: C
   - INTERNAL PRESSURE COEFFICIENTS: ±0.18
   - BASE SHEAR (1.0xW): V_x = 1050k V_y = 1350k
   - COMPONENTS AND CLADDING -
     ALL EXTERIOR WALL AND ROOF COMPONENTS AND CLADDING ENGINEERED BY THE COMPONENT MANUFACTURER ARE TO BE DESIGNED BY THE MANUFACTURER'S ENGINEER FOR COMPONENTS AND CLADDING WIND LOADS AS DETERMINED PER THE GOVERNING BUILDING CODE FOR THE ULTIMATE DESIGN WIND SPEED AND EXPOSURE CATEGORY LISTED ABOVE. ALTERNATIVELY, THE COMPONENT MANUFACTURER MAY USE THE WORST-CASE PRESSURES (PSF) BELOW:

ZONE		EFFECTIVE WIND AREA (SF)			
		10	50	100	500
ROOF	1	+16 -103	+16 -90	+16 -84	+16 -71
	2	+16 -162	+16 -143	+16 -136	+16 -116
	3	+16 -162	+16 -143	+16 -136	+16 -116
WALL	4	+71 -71	+64 -67	+61 -64	+51 -58
	5	+71 -130	+64 -113	+61 -103	+51 -77

8. SEISMIC LOAD:
   - DESIGN METHOD - EQUIVALENT LATERAL FORCE PROCEDURE
   - S_S = 18.1 %g
   - S_1 = 7.6 %g
   - S_{DS} = 19.3 %g
   - S_{D1} = 12.2 %g
   - IMPORTANCE FACTOR: I_e = 1.50
   - SITE CLASS: D
   - SEISMIC DESIGN CATEGORY: C
   - SEISMIC FORCE-RESISTING SYSTEM -
     STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE, EXCLUDING CANTILEVER COLUMN SYSTEMS
   - RESPONSE MODIFICATION COEFFICIENT: R_x = 3.0 R_y = 3.0
   - DEFLECTION AMPLIFICATION FACTOR: C_{dx} = 3.0 C_{dy} = 3.0
   - SEISMIC RESPONSE COEFFICIENT: C_{sx} = 0.081 C_{sy} = 0.078
   - BASE SHEAR (1.0xE): V_x = 725k V_y = 705k
9. FUTURE LOADS:
   UNLESS SPECIFICALLY NOTED, THERE ARE NO PROVISIONS MADE FOR FUTURE FLOORS, ROOFS, OR OTHER LOADS.

FOUNDATIONS

1. FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL INVESTIGATION REPORT BY:
   TIMMONS GROUP, DATED JULY 16, 2025 (PROJECT #72753) WITH ADDITIONAL SEISMIC TESTING REPORT BY SM&E DATED AUGUST 21, 2025 (PROJECT # 25060123).
   THE DESIGN NET ALLOWABLE SOIL BEARING PRESSURE IS 2,000 PSF ON UNIMPROVED SOIL BASED ON THIS REPORT. AT LOCATIONS NOTED ON FOUNDATION IMPROVEMENT PLAN, FOUNDATIONS WERE ANTICIPATED TO BE CONSTRUCTED ON SUBGRADE SOILS WHICH HAVE BEEN MODIFIED BY THE INSTALLATION OF AN AGGREGATE PIER SYSTEM FOR A MINIMUM NET ALLOWABLE SOIL BEARING PRESSURE OF 5,000 PSF. SEE 'RAMMED AGGREGATE PIERS AND STONE COLUMNS' NOTES.
2. ALL RECOMMENDATIONS AS OUTLINED IN THE GEOTECHNICAL INVESTIGATION REPORT AND AS NOTED ON THE DRAWINGS MUST BE FOLLOWED IN PREPARATION OF THE SUBGRADE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER OF RECORD. THE CONTRACTOR SHALL OBTAIN THE REPORT FROM THE OWNER AND BE FAMILIAR WITH THE RECOMMENDATIONS CONTAINED THEREIN PRIOR TO THE START OF CONSTRUCTION. IF CONDITIONS ENCOUNTERED DURING CONSTRUCTION DIFFER FROM THOSE DESCRIBED IN THE REPORT, THE OWNER SHALL NOTIFY THE GEOTECHNICAL ENGINEER OF RECORD SO THE RECOMMENDATIONS CAN BE REEVALUATED.
3. FOOTINGS SHALL BE CARRIED TO LOWER ELEVATIONS THAN THOSE SHOWN ON THE DRAWINGS IF REQUIRED BY THE GEOTECHNICAL ENGINEER OR TESTING LAB TO REACH SOIL CAPABLE OF PROVIDING THE DESIGN NET ALLOWABLE SOIL BEARING PRESSURE. ALL EXPANSIVE AND/OR LOOSE SOILS BELOW STRUCTURAL FOUNDATIONS SHALL BE REMOVED AND REPLACED AS DIRECTED HEREIN.
4. MINIMUM SUBGRADE PREPARATION REQUIREMENTS ARE AS FOLLOWS:
   1. PREPARE SUBGRADE AND UNDERFLOOR FILL TO A POINT THAT EXTENDS 3'-0" (MINIMUM) BEYOND THE LIMITS OF THE FOUNDATIONS.
   2. COMPACT ALL FILL UNDER BUILDING TO 95% MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698 WITH FINAL 12" OF FILL TO BE 98%.
   3. PLACE IN LIFTS OF 8" (MAXIMUM) LOOSE THICKNESS WHEN USING LARGE RIDING COMPACTORS (REDUCE THICKNESS AS NECESSARY FOR SMALLER EQUIPMENT).
   4. SLABS ON GRADE SHALL BE SUPPORTED ON A BASE LAYER OF POROUS FILL (WASHED STONE OR CLEAN SAND) WITH A MINIMUM THICKNESS OF 6" PER GEOTECHNICAL REPORT.
   5. SEE GEOTECHNICAL REPORT FOR REQUIRED SETTLEMENT MONITORING AT FILL LOCATIONS.
5. FIELD COMPACTION SHALL BE VERIFIED WITH AT LEAST ONE TEST PER 2,000 SQUARE FEET PER LIFT (AT LEAST ONE PER LIFT), IN ACCORDANCE WITH ASTM D1556 (SAND-CONE METHOD), ASTM D6938 (NUCLEAR METHODS, SHALLOW DEPTH), ASTM D2167 (RUBBER BALLOON METHOD), AND/OR ASTM D2937 (DRIVE-CYLINDER METHOD). SEE SPECIFICATIONS FOR OTHER TESTING REQUIREMENTS.
6. WALLS RETAINING SOIL SHALL BE TEMPORARILY BRACED DURING BACKFILLING AND UNTIL ALL SUPPORTING SOIL AND SLABS ARE IN PLACE AND ARE AT DESIGN STRENGTH UNLESS NOTED OTHERWISE ON PLANS AND DETAILS.
7. UTILITY LINES SHALL NOT BE PLACED THROUGH OR BELOW FOUNDATIONS WITHOUT APPROVAL OF THE STRUCTURAL ENGINEER. CONTRACTOR SHALL SUBMIT DETAILED DRAWINGS OF ALL SUCH CONDITIONS PRIOR TO CONSTRUCTION.

RAMMED AGGREGATE PIERS AND STONE COLUMNS

1. THE SOIL UNDER ALL SPREAD FOUNDATIONS SHALL BE IMPROVED AS NOTED IN THE GEOTECHNICAL INVESTIGATION REPORT BY INSTALLING AGGREGATE PIERS. THIS SOIL IMPROVEMENT METHOD IS A PROPRIETARY SYSTEM THAT SHALL BE DESIGNED, DETAILED, AND INSTALLED BY A SPECIALTY FOUNDATION CONTRACTOR.
2. THE SPECIALTY FOUNDATION CONTRACTOR SHALL SUBMIT AGGREGATE PIER CALCULATIONS PREPARED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED, ALONG WITH TYPICAL DETAILS, INSTALLATION METHOD, AND ANY SPECIAL DESIGN CONSIDERATIONS.
3. AGGREGATE PIERS SHALL BE DESIGNED SUCH THAT THE DESIGN NET ALLOWABLE BEARING PRESSURE AT THE FOOTING BEARING ELEVATION (AND SLAB ON GRADE BEARING ELEVATION AS REQUIRED) SHALL MEET OR EXCEED THE DESIGN NET ALLOWABLE BEARING PRESSURE NOTED IN THE FOUNDATIONS SECTION. LIVE LOAD REDUCTIONS FOR DESIGN OF GROUND IMPROVEMENT SYSTEMS ARE NOT PERMITTED.
4. THE QUANTITY, DEPTH, AND DIAMETER OF ALL AGGREGATE PIERS SHALL BE DETERMINED BY THE SPECIALTY FOUNDATION CONTRACTOR AND CLEARLY NOTED ON THE SHOP DRAWINGS AS PREPARED BY THE CONTRACTOR'S ENGINEER.
5. THE DESIGN OF THE AGGREGATE PIERS SHALL BE BASED ON THE PERFORMANCE CRITERIA AS FOLLOWS:
   1. MAXIMUM TOTAL SETTLEMENT OF 1"
   2. MAXIMUM DIFFERENTIAL SETTLEMENT OF 1/2".
6. AGGREGATE PIERS SHALL BE INSTALLED AS NOTED ON THE APPROVED SHOP DRAWINGS. ANY PIER DEVIATION GREATER THAN NOTED IN THE SPECIFICATIONS, OR COMPLETE RELOCATION OF A PIER SHALL BE APPROVED BY THE SPECIALTY FOUNDATION CONTRACTOR. THE CONTRACTOR SHALL KEEP ACCURATE RECORDS OF ALL PIER INSTALLATIONS.

CONCRETE | REINFORCING STEEL

1. ALL CONCRETE DESIGN AND CONSTRUCTION SHALL CONFORM TO THE REFERENCED EDITION OF THE BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318).
2. CONCRETE MIXTURES AS REQUIRED (BASED ON CLASS DESIGNATION):

CLASS A - FOOTINGS, GRADE/TIE BEAMS	NWC	4,000 PSI	
CLASS B - FOUNDATION WALLS, PEDESTALS	NWC	4,500 PSI	
CLASS C - INTERIOR SLABS ON GRADE	NWC	3,000 PSI	
CLASS E - INTERIOR LWC SLABS ON METAL DECK	LWC	4,000 PSI	
CLASS F - EXTERIOR SLABS ON GRADE, PADS, TOPPINGS	NWC	4,500 PSI	
CLASS I - INTERIOR METAL PAN STAIRS/LANDINGS	NWC	2,500 PSI	(SEE **STEEL STAIRS AND RAILINGS** NOTES)
CLASS J - EXTERIOR RETAINING WALLS	NWC	4,500 PSI	

3. REINFORCING:
   - TYPICAL - ASTM A615, GRADE 60
   - REINFORCING TO BE WELDED - ASTM A706
   - DEFORMED BAR ANCHORS - ASTM A496
   - WELDED WIRE FABRIC - ASTM A1064 (FLAT SHEETS ONLY)
4. GROUT UNDER BASE PLATES TO BE HIGH STRENGTH (5,000 PSI), NON-SHRINK.
5. REFER TO THE DRAWINGS FOR REINFORCING LAP REQUIREMENTS. WHERE LAP SPLICES ARE NOT SHOWN, LAP PER ACI 318 OR CRSI STANDARDS.
6. LAP WELDED WIRE FABRIC SHEETS 8" MINIMUM.
7. CLEAR COVER FROM FACE OF CONCRETE:
   CAST IN PLACE CONCRETE (MEASURE TO OUTERMOST REINFORCING) -

CONCRETE CAST AGAINST AND EXPOSED TO EARTH	3"
CONCRETE EXPOSED TO EARTH/WEATHER	2" FOR #6 BARS AND LARGER, 1 1/2" ELSE
CONCRETE NOT EXPOSED TO EARTH/WEATHER	3/4" FOR SLABS AND WALLS, 1 1/2" (TO TIES) FOR BEAMS AND COLUMNS

8. WHERE SCHEDULED BARS ARE NOT PRESENT, PROVIDE CONTINUOUS #5 TOP AND BOTTOM BARS TO SUPPORT STIRRUPS AS REQUIRED FOR THE LENGTH OF THE STIRRUP SPACING IN ALL BEAMS.
9. WALL FOOTING REINFORCING SHALL BE CONTINUOUS THROUGH ADJACENT COLUMN FOOTINGS.
10. PROVIDE VERTICAL DOVETAIL SLOTS AT 24"OC WITH TIES AT 16"OC VERTICALLY IN ALL CONCRETE WALLS BACKING-UP MASONRY VENEER.
11. BAR SUPPORTS FOR CONCRETE EXPOSED TO VIEW SHALL HAVE PLASTIC COATED LEGS OR BE HOT-DIP GALVANIZED AFTER FABRICATION.
12. MECHANICAL AND ELECTRICAL CONDUIT IN SLABS ON GRADE SHALL RUN UNDER TOP LAYER OF SLAB REINFORCING. PROVIDE A MINIMUM OF 1-1/2" CLEAR BETWEEN INDIVIDUAL CONDUITS AND REINFORCING. IF MAXIMUM SIZE OF CONDUIT EXCEEDS ONE THIRD OF THE SLAB DEPTH, ADDITIONAL FRAMING OR REINFORCING MAY BE NECESSARY AT ENGINEER'S DISCRETION.
13. MECHANICAL AND ELECTRICAL CONDUIT IN ELEVATED SLABS IS NOT ALLOWED UNLESS SPECIFICALLY REVIEWED AND APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO PLACEMENT.
14. HEADED CONCRETE ANCHORS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A108, GRADES 1010, 1015, 1017, OR 1020. STUDS SHALL BE AUTOMATICALLY END WELDED IN THE SHOP OR FIELD IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
15. EMBED PLATES MUST BE SET IN THE FORM BEFORE POURING CONCRETE, NOT PLACED INTO TOP OF WET CONCRETE. THE CONTRACTOR SHALL CONTACT THE ARCHITECT FOR CORRECTIVE DETAILS FOR ANY EMBED PLATES LEFT OUT OF CONCRETE POURS.
16. FOR SLABS ON GRADE, SLAB AND FOOTING REINFORCING SHALL BE HELD IN PLACE BY BAR SUPPORTS WITH SAND PLATES, OR PRECAST CONCRETE BAR SUPPORTS AS DESCRIBED IN CHAPTER 3 OF THE CRSI MANUAL OF STANDARD PRACTICE. BAR SUPPORTS SHALL BE SPACED AT A MAXIMUM OF 4'-0"OC BOTH WAYS. ROCKS, CMU, OR CLAY BRICK WILL NOT BE USED AS SUPPORTS.
17. THE CONTRACTOR SHALL ASSUME CONCRETE OVERAGES IN ELEVATED DECK POURS DUE TO MEMBER AND DECK DEFLECTIONS. UNLESS SHOWN ON PLANS, BEAMS ARE NOT CAMBERED. CONCRETE OVERAGES MAY BE CALCULATED BY THE CONTRACTOR FOR BEAM DEFLECTIONS EQUALING L/300 INCLUDING ADDITIONAL DEFLECTIONS DUE TO PONDING AND DECK DEFLECTIONS PER SDI.
18. REBAR SHALL NOT BE HEATED WITH A TORCH IN THE FIELD.
19. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER FAR ENOUGH IN ADVANCE (48 HOURS) OF EACH CONCRETE POUR TO ALLOW AMPLE TIME TO CHECK THE LAYOUT OF THE STEEL BEFORE THE BEGINNING OF THE ACTUAL POUR, BUT NOT PRIOR TO 90% OF THE STEEL HAVING BEEN PLACED.

CONCRETE CONSTRUCTION JOINTS

1. CONTRACTOR SHALL PROVIDE NECESSARY CONSTRUCTION JOINTS IN MONOLITHIC CONCRETE POURS SO THAT THE QUALITY OF PLACEMENT AND FINISH MEETS THE REQUIREMENTS OF PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL SUBMIT A PLAN SHOWING THE LOCATION OF ALL CONSTRUCTION JOINTS TO THE STRUCTURAL ENGINEER FOR APPROVAL.
2. THERE SHALL BE NO HORIZONTAL CONSTRUCTION JOINTS IN CONCRETE POURS. ALL VERTICAL CONSTRUCTION JOINTS IN SLABS AND BEAMS SHALL BE MADE WITH BULKHEADS. ADDITIONAL REINFORCING AT CONSTRUCTION JOINTS SHALL BE AS SPECIFIED BY THE STRUCTURAL ENGINEER. SEE TYPICAL CONSTRUCTION JOINT DETAILS.

STRUCTURAL MASONRY

1. ALL MASONRY DESIGN AND CONSTRUCTION SHALL CONFORM TO THE REFERENCED EDITION OF THE BUILDING CODE REQUIREMENTS AND SPECIFICATION FOR MASONRY STRUCTURES (TMS 402|602).
2. LOAD BEARING MASONRY WALLS, PILASTERS, PIERS, RETAINING WALLS, FOUNDATION WALLS AND ANY OTHER MASONRY SO DESIGNATED ON DRAWINGS IS CONSIDERED HERE TO BE STRUCTURAL MASONRY.
3. REQUIRED COMPRESSIVE STRENGTH OF MASONRY UNITS:
   - SOLID CLAY UNITS - 6,200 PSI
   - CONCRETE UNITS - 2,000 PSI ON NET AREA
4. CONCRETE MASONRY UNITS (CMU) SHALL BE LIGHT WEIGHT (105 PCF) CONFORMING TO ASTM C90. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR UNIT SIZE, FACE, COLOR, JOINTING, ETC.
5. MORTAR SHALL BE TYPE S, ASTM C270.
6. GROUT FOR REINFORCED MASONRY SHALL BE FINE GROUT, ASTM C476. MINIMUM 28-DAY COMPRESSIVE STRENGTH SHALL BE 2,000 PSI.
7. MINIMUM 28-DAY COMPRESSIVE STRENGTH (f'_m) OF THE MASONRY WALLS SHALL BE 2,000 PSI. MASONRY STRENGTH SHALL BE DETERMINED BY THE UNIT STRENGTH METHOD OR THE PRISM TEST METHOD AS DESCRIBED BY ACI 530.
8. REINFORCING:
   - TYPICAL - ASTM A615, GRADE 60
   - ALL REINFORCING TO BE WELDED - ASTM A706
9. REFER TO THE DRAWINGS FOR REINFORCING LAP TYPICAL DETAIL AND SCHEDULE REQUIREMENTS.
10. MAXIMUM HEIGHT TO WHICH MASONRY SHALL BE LAID BEFORE GROUTING IS 5 FEET ABOVE CONSTRUCTION SURFACE OR PREVIOUSLY GROUTED MASONRY. IF GROUT POUR HEIGHT EXCEEDS 5 FEET, THEN "HIGH LIFT" GROUTING PROCEDURE MUST BE FOLLOWED. PROVIDE CLEANOUT OPENINGS AT THE BOTTOM OF EACH GROUT POUR HEIGHT. CLEANOUT OPENINGS SHALL BE PROVIDED AT EACH CELL TO BE FILLED WITH GROUT.
11. ALL GROUT PLACED OVER 12" IN HEIGHT SHALL BE MECHANICALLY CONSOLIDATED DURING GROUTING. GROUT SHALL BE RECONSOLIDATED BY MECHANICAL VIBRATION AFTER INITIAL WATER LOSS AND SETTLEMENT HAS OCCURRED.
12. MAXIMUM GROUT LIFT (GROUT POURED IN ONE CONTINUOUS OPERATION) IS 5 FEET. THIS LIMIT ALSO APPLIES TO "HIGH LIFT" GROUTING.
13. REINFORCE MASONRY WHERE SHOWN ON STRUCTURAL DRAWINGS. TIE REINFORCING IN POSITION AND PLACE GROUT AROUND REINFORCING. DO NOT PUSH REINFORCING DOWN INTO PREVIOUSLY PLACED GROUT FILL. SET BOLTS SIMILARLY.
14. TIE MASONRY WYTHES WITH HORIZONTAL REINFORCING AS SPECIFIED.
15. PROVIDE VERTICAL BARS, SIZE MATCHING WALL REINFORCING, AT ALL CORNERS, ENDS OF WALLS, EACH SIDE OF CONTROL JOINTS AND EACH SIDE OF WALL OPENINGS. TIE EACH BAR TO THE FOUNDATION WITH A MATCHING DOWEL.
16. ALL CORNERS OF STRUCTURAL MASONRY WALLS SHALL BE CONSTRUCTED BY INTERLOCKING COURSES. AT INTERSECTIONS WHERE SEQUENCING OR BLOCK COURSING PROHIBITS INTERLOCKED CONSTRUCTION SEE ALTERNATE DETAILS HEREIN.
17. ALL LINTELS TO BEAR 8" MINIMUM EACH SIDE OF OPENING, UNLESS NOTED OTHERWISE.
18. GROUT ALL MASONRY WALLS AND CAVITY BELOW GRADE SOLID. GROUT ALL WALLS ABOVE GRADE AT THE REINFORCED CELLS (MINIMUM) OR AS INDICATED IN SPECIFIC SECTIONS.
19. ONE 3/4"Ø (MAXIMUM) VERTICAL CONDUIT ALLOWED IN ANY REINFORCED CELL PROVIDED 1" CLEAR IS MAINTAINED BETWEEN REINFORCING AND CONDUIT. NO OTHER VERTICAL OR HORIZONTAL CONDUITS, PIPES, OR SLEEVES SHALL BE LOCATED IN REINFORCED CELLS UNLESS OTHERWISE APPROVED BY THE STRUCTURAL ENGINEER. CONTRACTOR SHALL COORDINATE LAYOUT TO AVOID REINFORCED CELLS.

STRUCTURAL STEEL

1. DESIGN, FABRICATION, AND ERECTION SHALL BE PER THE SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS (ANSI/AISC 360).
2. STRUCTURAL STEEL MATERIALS:
   - WIDE FLANGE SHAPES (W SECTIONS) - ASTM A992, GRADE 50 (FY=50 KSI)
   - CHANNELS AND ANGLES - ASTM A36 (FY=36 KSI)
   - PLATES AND BARS - ASTM A36 (FY=36 KSI) OR ASTM A572, GRADE 50 (FY=50 KSI) AS INDICATED ON THE DRAWINGS.
   - SQUARE AND RECTANGULAR TUBES - ASTM A500, GRADE C (FY=50 KSI)
   - ROUND TUBES - ASTM A500, GRADE C (FY=46 KSI); PIPE SHALL BE ASTM A53, GRADE B (FY=35 KSI) ONLY IF EXPLICITLY SPECIFIED.
3. A QUALIFIED FABRICATOR SHALL HAVE A MINIMUM OF 5 YEARS OF EXPERIENCE IN FABRICATING STRUCTURAL STEEL LIKE THAT INDICATED FOR THIS PROJECT AND SUFFICIENT CAPACITY TO FABRICATE THE STRUCTURAL STEEL WITHOUT DELAYING THE WORK, AND SHALL MEET ONE OF THE FOLLOWING:
   - A. FABRICATOR PARTICIPATES IN THE AISC QUALITY CERTIFICATION PROGRAM AND IS DESIGNATED AN AISC-CERTIFIED PLANT, CATEGORY (BU) OR IS ACCREDITED BY THE IAS FABRICATOR INSPECTION PROGRAM FOR STRUCTURAL STEEL (ACCREDITATION CRITERIA 172).
   - B. FABRICATOR HAS AN ESTABLISHED AND MAINTAINED QUALITY CONTROL PROGRAM TO ENSURE THAT THE WORK IS PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS IN ANSI/AISC 303, ANSI/AISC 360, AND THE CONTRACT DOCUMENTS. PROGRAM SHALL AT A MINIMUM ADDRESS INSPECTION OF THE ITEMS NOTED IN ANSI/AISC 360 N2.
4. A QUALIFIED ERECTOR SHALL HAVE A MINIMUM OF 5 YEARS OF EXPERIENCE IN ERECTING STRUCTURAL STEEL LIKE THAT INDICATED FOR THIS PROJECT AND SUFFICIENT CAPACITY TO ERECT THE STRUCTURAL STEEL WITHOUT DELAYING THE WORK, AND SHALL MEET ONE OF THE FOLLOWING:
   - A. ERECTOR PARTICIPATES IN THE AISC QUALITY CERTIFICATION PROGRAM AND IS DESIGNATED AN AISC-CERTIFIED ERECTOR, CATEGORY (CSE).
   - B. ERECTOR HAS AN ESTABLISHED AND MAINTAINED QUALITY CONTROL PROGRAM TO ENSURE THAT THE WORK IS PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS IN ANSI/AISC 303, ANSI/AISC 360, AND THE CONTRACT DOCUMENTS. PROGRAM SHALL AT A MINIMUM ADDRESS INSPECTION OF THE ITEMS NOTED IN ANSI/AISC 360 N2.
5. BEAM SIMPLE SHEAR, BRACED FRAME, AND ALL MOMENT CONNECTIONS NOT DETAILED ON STRUCTUR

2/6/2026 4:58:58 PM Autodesk Docs://2025 BC Brunswick County Health & Human Services/2025BC_BrunswickCounty_HHS_KBJ.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND ARE NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY ACCEPTABLY DESTROYED AT THE COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH.
ALL RIGHTS RESERVED

ABBREVIATIONS

@	AT
&	AND
Ø	DIAMETER
AB	ANCHOR BOLTS
ACI	AMERICAN CONCRETE INSTITUTE
ADDL	ADDITIONAL
ADH	ADHESIVE
AFF	ABOVE FINISHED FLOOR
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AISI	AMERICAN IRON AND STEEL INSTITUTE
ALT	ALTERNATE
ARCH	ARCHITECT'S / ARCHITECTURAL
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWS	AMERICAN WELDING SOCIETY
B/ or BOT	BOTTOM
BCX	BOTTOM CHORD EXTENSION
BFB	BOTTOM FLANGE BRACE
BFF	BELOW FINISHED FLOOR
BLDG	BUILDING
BM	BEAM
BOS	BOTTOM OF STEEL
BRG	BEARING
BTWN	BETWEEN
CANT	CANTILEVER
CJ	CONTROL JOINT
CL	CENTERLINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST JT	CONSTRUCTION JOINT
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
CTRD	CENTERED
d	NAILS (PENNY)
DBA	DEFORMED BAR ANCHOR
DEFL	DEFLECTION
DEPR	DEPRESSION / DEPRESSED
DET	DETAIL
DIAG	DIAGONAL
DIM	DIMENSION
DIST	DISTANCE
DWG(S)	DRAWING(S)
DWL(S)	DOWEL(S)
EA	EACH
EE	EACH END
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
ELEV	ELEVATOR
EMBED	EMBEDDED / EMBEDMENT
ENGR	ENGINEER
EOD	EDGE OF DECK
EOS	EDGE OF SLAB
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FDN	FOUNDATION
FFE	FINISHED FLOOR ELEVATION
FOM	FACE OF MASONRY
FOW	FACE OF WALL
FS	FAR SIDE
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GT	GIRDER TRUSS
HD	HEADED
HI	HIGH
HORIZ	HORIZONTAL
HSS	HOLLOW STRUCTURAL SECTION
INT	INTERIOR
JT	JOINT
K	KIP(S)
KB	KNEE BRACE
KSI	KIPS PER SQUARE INCH
LB	LONG BAR
LBS	POUNDS
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LO	LOW
LOC	LOCATION
LSH	LONG SIDE HORIZONTAL
LSV	LONG SIDE VERTICAL
LWC	LIGHT WEIGHT CONCRETE
MAX	MAXIMUM
MC	MOMENT CONNECTION
MCJ	MASONRY CONTROL JOINT
MECH	MECHANICAL
MFR	MANUFACTURER
MID	MIDDLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MOW	MIDDLE OF WALL
MP	MASONRY PILASTER
NA or N/A	NOT APPLICABLE
No or #	NUMBER
NS	NEAR SIDE
NTS	NOT TO SCALE
NWC	NORMAL WEIGHT CONCRETE
OC	ON CENTER
OPNG	OPENING
OPP	OPPOSITE HAND
PAF	POWDER ACTUATED FASTENER
PED	PEDESTAL
PL	PLATE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
P-T	POST-TENSIONED
REF	REFERENCE
REINF	REINFORCING
REQD	REQUIRED
SB	SHORT BAR
SCHD	SCHEDULE
SIM	SIMILAR
SOG	SLAB ON GRADE
SPEC(S)	SPECIFICATION(S)
SQ	SQUARE
STD	STANDARD
STIFF	STIFFENER
STIRR	STIRRUP(S)
STL	STEEL
STR	STRUCTURAL
T/	TOP
TCX	TOP CHORD EXTENSION
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOS	TOP OF STEEL
TOW	TOP OF WALL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VIF	VERIFY IN FIELD
W/	WITH
WWF	WELDED WIRE FABRIC
WP	WORK POINT

SYMBOL LEGEND

SYMBOL	MEANING
	SPOT ELEVATION. ELEVATION RELATIVE TO REFERENCE ELEVATION.
<No>	TOP OF FOOTING, GRADE BEAM, PILE CAP, OR DRILLED PIER. ELEVATION RELATIVE TO REFERENCE ELEVATION.
<No> <No>	STEP IN TOP OF FOOTING ELEVATION, SEE "TYPICAL STEP IN WALL FOOTING" DETAIL. ELEVATION RELATIVE TO REFERENCE ELEVATION.
No	DEPRESSED OR RAISED SLAB ELEVATION, SEE "TYPICAL STEP IN SLAB ON GRADE" DETAIL. ELEVATION RELATIVE TO REFERENCE ELEVATION.
[No]	TOP OF WALL OR PEDESTAL. ELEVATION RELATIVE TO REFERENCE ELEVATION.
(No) | [+No]	TOP OF STEEL/JOIST BEARING ELEVATION | TOP OF STEEL ABOVE STEEL/JOIST BEARING ELEVATION.
	SLOPED | STEPPED SLAB.
F#	SPREAD FOOTING TYPE, SEE SCHEDULE.
P#	CONCRETE PEDESTAL TYPE, SEE SCHEDULE.
PC#	PILE CAP TYPE, SEE SCHEDULE.
BP#	STEEL BEARING PLATE TYPE, SEE "TYPICAL STEEL BEAM BEARING" DETAIL.
D1	SPAN DIRECTION OF METAL ROOF DECK, SEE "TYPICAL 1 1/2" METAL ROOF DECK" DETAIL. CONSTRUCTION SHALL BE 1 1/2"-18GA METAL ROOF DECK.
S1	SPAN DIRECTION OF COMPOSITE SLAB, SEE "TYPICAL COMPOSITE SLAB" DETAIL. CONSTRUCTION SHALL BE 3 1/4" LIGHT WEIGHT CONCRETE ON 2"-20GA COMPOSITE METAL DECK (5 1/4" TOTAL THICKNESS). TOP OF STEEL ELEVATION 5 1/4" BELOW FINISHED FLOOR ELEVATION, UNO.
S2	SPAN DIRECTION OF COMPOSITE SLAB, SEE "TYPICAL COMPOSITE SLAB" DETAIL. CONSTRUCTION SHALL BE 4 1/2" NORMAL WEIGHT CONCRETE ON 2"-20GA COMPOSITE METAL DECK (6 1/2" TOTAL THICKNESS). TOP OF STEEL ELEVATION 6 1/2" BELOW FINISHED FLOOR ELEVATION, UNO.
L6	L6x6x3/8, FIELD WELD TO JOIST TOP CHORD EACH END.
W10	COMPOSITE W10x15 STEEL BEAM WITH HEADED STUDS @24"OC.
W12	COMPOSITE W12x16 STEEL BEAM WITH HEADED STUDS @24"OC.
V#, M#, L#, A#, T#	STEEL BEAM DESIGN END REACTIONS (WHERE APPLICABLE). "V" INDICATES VERTICAL SHEAR, "M" INDICATES BENDING MOMENT, "L" INDICATES LATERAL SHEAR, "A" INDICATES AXIAL TENSION/COMPRESSION, AND "T" INDICATES TORSION. ALL LOADS ARE FACTORED FOR STRENGTH DESIGN IN UNITS OF KIP AND KIP-FT. ALL LOADS SHALL BE CONSIDERED REVERSIBLE, UNO.
	STEEL BEAM MOMENT CONNECTION.
VF#	VERTICAL FRAME TYPE, SEE ELEVATIONS.

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

STEWART
101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202
T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #525065

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

NORTH CAROLINA PROFESSIONAL SEAL 041315 ENGINEER PETRINA A. AGNELLO

02/06/2026

PRINCIPAL IN CHARGE: PAA
PROJECT ENGINEER: KAB
DRAWN BY: DB

SHEET TITLE:

ABBREVIATIONS AND SYMBOLS

SHEET NO. S002

PROJ. NO. 024370.01

STATEMENT OF SPECIAL INSPECTIONS

THIS STATEMENT OF SPECIAL INSPECTIONS IS SUBMITTED AS A CONDITION FOR PERMIT ISSUANCE IN ACCORDANCE WITH THE SPECIAL INSPECTION REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE. IT INCLUDES A SCHEDULE OF SPECIAL INSPECTION SERVICES APPLICABLE TO THIS PROJECT, THE NAME OF THE SPECIAL INSPECTOR, THE IDENTITY OF OTHER APPROVED AGENCIES RETAINED FOR CONDUCTING SPECIAL INSPECTIONS, AND THE REQUIRED INSPECTOR QUALIFICATIONS. THIS STATEMENT OF SPECIAL INSPECTIONS WAS PREPARED BY THE DESIGNERS OF RECORD.

THE SPECIAL INSPECTOR SHALL KEEP RECORDS OF ALL SPECIAL INSPECTIONS AND TESTS AND SHALL FURNISH REPORTS TO THE CONTRACTOR, OWNER, AND THE DESIGNERS OF RECORD. REPORTS SHALL INDICATE IF THE WORK INSPECTED OR TESTED WAS OR WAS NOT COMPLETED IN CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS. DISCOVERED DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF SUCH DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND THE DESIGNERS OF RECORD. THE SPECIAL INSPECTIONS PROGRAM DOES NOT RELIEVE THE CONTRACTOR OF HIS OR HER RESPONSIBILITIES. JOB SITE SAFETY AND MEANS AND METHODS OF CONSTRUCTION ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.

MONTHLY INTERIM REPORTS SHALL BE SUBMITTED TO THE CONTRACTOR, OWNER, AND THE DESIGNERS OF RECORD. A FINAL REPORT OF SPECIAL INSPECTIONS DOCUMENTING COMPLETION OF ALL REQUIRED SPECIAL INSPECTIONS, TESTING, AND CORRECTION OF ANY DISCREPANCIES SHOULD BE SUBMITTED PRIOR TO ISSUANCE OF A CERTIFICATE OF USE AND OCCUPANCY.

PROJECT INFORMATION

CODE ENFORCEMENT PROJECT #:	TBD
PERMIT #:	TBD
PROJECT NAME:	BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
PROJECT ADDRESS:	67 GOVERNMENT CENTER DRIVE NE | BOLIVIA, NC 28422
OWNER:	BRUNSWICK COUNTY NC GOVERNMENT
OWNER ADDRESS:	67 GOVERNMENT CENTER DRIVE NE | BOLIVIA, NC 28422
SPECIAL INSPECTOR OF RECORD:	TBD
SPECIAL INSPECTOR ADDRESS:	STREET ADDRESS | CITY, STATE ZIP

DESIGN TEAM

STRUCTURAL (RDPIRC) FIRM:	STEWART	ENGINEER OF RECORD:	PETRINA AGNELLO, PE
ARCHITECTURAL FIRM:	MCMILLIAN PAZDAN SMITH	ARCHITECT OF RECORD:	LISA CONNEL HOWARD, AIA
MECHANICAL FIRM:	CBHF ENGINEERS	ENGINEER OF RECORD:	TROY GRADY, PE

SCHEDULE OF SPECIAL INSPECTIONS

THE INSPECTION AND TESTING AGENTS SHALL BE ENGAGED BY THE OWNER OR THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE ACTING AS THE OWNER'S AGENT, AND NOT BY THE CONTRACTOR OR SUBCONTRACTOR WHOSE WORK IS TO BE INSPECTED OR TESTED. ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE OWNER, PRIOR TO COMMENCING WORK.

PRIOR TO STARTING WORK THE OWNER SHALL BE PROVIDED WITH THE NAME AND RESUME FOR THE DESIGNATED SPECIAL INSPECTOR FOR THE PROJECT. THE DESIGNATED SPECIAL INSPECTOR SHALL BE A PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED AND BE APPROVED BY THE OWNER. INDIVIDUALS PROVIDING INSPECTIONS SHALL MEET THE FOLLOWING MINIMUM CRITERIA OF CERTIFICATION AND/OR DOCUMENTED EXPERIENCE. WORK EXPERIENCE MUST BE RELATED TO THE FIELD FOR WHICH THE INSPECTOR IS BEING UTILIZED. WORK EXPERIENCE MAY BE GAINED BY WORKING FOR AN INSPECTION/TESTING AGENCY, AN ENGINEERING FIRM, OR A CONTRACTOR AS A TECHNICIAN, INSPECTOR OR ENGINEER.

THE DESIGNATED SPECIAL INSPECTOR SHALL BE RESPONSIBLE FOR COLLECTING AND APPROVING DOCUMENTATION OF QUALIFICATIONS FOR ALL INSPECTORS. COPIES OF DOCUMENTATION OF QUALIFICATIONS, INCLUDING THE QUALIFICATIONS OF THE INDEPENDENT TESTING LABORATORY IF THEY ARE PROVIDING SPECIAL INSPECTION SERVICES, SHALL BE MAINTAINED BY THE SPECIAL INSPECTOR AND BE MADE AVAILABLE FOR OWNER REVIEW AS REQUESTED.

THE FOLLOWING TABLES COMPRISE THE REQUIRED SCHEDULE OF SPECIAL INSPECTIONS FOR THIS PROJECT. THE INSPECTION FREQUENCY INDICATED ON THE TABLES ARE "C" CONTINUOUS, "P" PERIODIC, AND "O" RANDOMIZED ON A DAILY BASIS. THE CONSTRUCTION DIVISIONS WHICH REQUIRE SPECIAL INSPECTIONS FOR THIS PROJECT ARE AS FOLLOWS:

REQD	ITEM	DIVISION	PRIMARY INSPECTOR/SUPERVISOR
☐	IT-1	SPECIAL CASES AND SPECIFIC ELEMENTS ALWAYS REQUIRED	AS IDENTIFIED BY THE RDPIRC
☒	IT-2A	STRUCTURAL STEEL AND HIGH-STRENGTH BOLTING	ICC STRUCTURAL STEEL AND BOLTING INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE)
☒	IT-2B	WELDING OF STRUCTURAL STEEL	ICC STRUCTURAL WELDING SPECIAL INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE), OR AWS D1.1 CERTIFIED WELDING INSPECTOR, OR NDT LEVEL III CERTIFICATE
☒	IT-2C	COLD-FORMED STEEL DECKING	ICC STRUCTURAL STEEL AND BOLTING INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE), OR ICC STRUCTURAL WELDING SPECIAL INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE), OR ICC COMMERCIAL BUILDING INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE)
☒	IT-2D	OPEN-WEB STEEL JOISTS AND JOIST GIRDERS	ICC STRUCTURAL STEEL AND BOLTING INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE)
☒	IT-2E	COLD-FORMED STEEL FRAMING	ICC STRUCTURAL STEEL AND BOLTING INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE), OR ICC STRUCTURAL WELDING SPECIAL INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE), OR ICC COMMERCIAL BUILDING INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE)
☒	IT-3	CONCRETE CONSTRUCTION	ICC REINFORCED CONCRETE SPECIAL INSPECTOR CERTIFICATE AND ACI CONCRETE FIELD TESTING TECHNICIAN CERTIFICATE, GRADE 1, OR ACI CONCRETE CONSTRUCTION SPECIAL INSPECTOR CERTIFICATE, OR NICET CONCRETE TECHNICIAN LEVEL III CERTIFICATE IN CONSTRUCTION MATERIALS TESTING
☒	IT-4	MASONRY CONSTRUCTION	ICC STRUCTURAL MASONRY SPECIAL INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE)
☐	IT-5	WOOD CONSTRUCTION	ICC COMMERCIAL BUILDING INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE)
☒	IT-6	SOILS	NICET SOILS TECHNICIAN LEVEL II CERTIFICATE IN CONSTRUCTION MATERIALS TESTING, OR NICET GEOTECHNICAL ENGINEERING TECHNICIAN LEVEL II CONSTRUCTION OR GENERALIST CERTIFICATE, OR ICC SOILS SPECIAL INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE), OR ENGINEER-IN-TRAINING (EIT) WITH ONE YEAR OF RELATED EXPERIENCE, OR GEOLOGIST-IN-TRAINING (GIT) WITH ONE YEAR OF RELATED EXPERIENCE
☐	IT-7	DRIVEN DEEP FOUNDATIONS	NICET SOILS TECHNICIAN LEVEL II CERTIFICATE IN CONSTRUCTION MATERIALS TESTING, OR NICET GEOTECHNICAL ENGINEERING TECHNICIAN LEVEL II CONSTRUCTION OR GENERALIST CERTIFICATE, OR ENGINEER-IN-TRAINING (EIT) WITH ONE YEAR OF RELATED EXPERIENCE, OR GEOLOGIST-IN-TRAINING (GIT) WITH ONE YEAR OF RELATED EXPERIENCE
☐	IT-8	CAST-IN-PLACE DEEP FOUNDATIONS	SEE IT-7
☐	IT-9A	HELICAL PILE FOUNDATIONS	SEE IT-7
☒	IT-9B	RAMMED AGGREGATE PIERS AND STONE COLUMNS	SEE IT-7
☒	IT-10	FABRICATED ITEMS	AS NOTED HEREIN FOR EACH COMPONENT TYPE
☒	IT-11	WIND RESISTANCE	AS NOTED HEREIN FOR EACH COMPONENT TYPE
☒	IT-12	SEISMIC RESISTANCE	AS NOTED HEREIN FOR EACH COMPONENT TYPE
☐	IT-13A	SEISMIC RESISTANCE, STRUCTURAL STEEL AND HIGH-STRENGTH BOLTING	AS NOTED HEREIN FOR EACH COMPONENT TYPE
☐	IT-13B	SEISMIC RESISTANCE, WELDING OF STRUCTURAL STEEL	AS NOTED HEREIN FOR EACH COMPONENT TYPE
☐	IT-13C	SEISMIC RESISTANCE, NON-DESTRUCTIVE TESTING OF WELDED JOINTS	AS NOTED HEREIN FOR EACH COMPONENT TYPE
☐	IT-13D	SEISMIC RESISTANCE, STEEL DRIVEN DEEP FOUNDATIONS (H-PILES)	AS NOTED HEREIN FOR EACH COMPONENT TYPE
☒	IT-14	SPRAYED FIRE-RESISTANT MATERIALS	ICC SPRAY-APPLIED FIREPROOFING SPECIAL INSPECTOR CERTIFICATE, OR ICC FIRE INSPECTOR I CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE)
☐	IT-15	MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS	SEE IT-14
☐	IT-16	EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS)	AWCI EIFS INSPECTOR CERTIFICATE
☒	IT-17	FIRE-RESISTANT PENETRATIONS AND JOINTS	ICC FIRE INSPECTOR I CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE)
☐	IT-18	SMOKE CONTROL	REGISTERED PROFESSIONAL ENGINEER (MECHANICAL OR FIRE PROTECTION) AND CERTIFICATION AS AIR BALANCER, OR AABC TECHNICIAN CERTIFICATION (PLUS ONE YEAR OF RELATED EXPERIENCE)

IT-2A: STRUCTURAL STEEL AND HIGH-STRENGTH BOLTING

INSPECTION TASK	FREQ	REFERENCE
1. FABRICATOR CERTIFICATION/VERIFICATION OF QUALITY CONTROL PROCEDURES		
A. VERIFY FABRICATOR QUALIFICATIONS.	C	IBC 1704.2.5.1
B. REVIEW MATERIAL TEST REPORTS AND CERTIFICATIONS.	C	AISC 360 N5.2
C. COLLECT CERTIFICATES OF COMPLIANCE FROM THE STEEL FABRICATOR AT COMPLETION OF FABRICATION.	C	IBC 1704.5
2. INSPECTIONS PRIOR TO HIGH-STRENGTH BOLTING AT PRE-TENSIONED AND SLIP-CRITICAL JOINTS:		
A. COLLECT MANUFACTURER'S CERTIFICATIONS FOR FASTENER MATERIALS.	C	AISC 360 TABLE N5.6-1
B. VERIFY FASTENERS ARE MARKED PER ASTM REQUIREMENTS.	P	AISC 360 TABLE N5.6-1
C. ENSURE CORRECT FASTENERS AND BOLTING PROCEDURES ARE SELECTED FOR JOINT DETAILS. VERIFY GRADE, TYPE, AND BOLT LENGTH (IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE).	P	AISC 360 TABLE N5.6-1
D. VERIFY CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION (WHEN SPECIFIED), COMPLY WITH THE CONTRACT DOCUMENTS.	P	AISC 360 TABLE N5.6-1
E. OBSERVE AND DOCUMENT PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL FOR FASTENER ASSEMBLIES AND METHODS.	P	AISC 360 TABLE N5.6-1
F. VERIFY THE PROTECTED STORAGE FOR BOLTS, NUTS, WASHERS, AND OTHER FASTENER COMPONENTS.	P	AISC 360 TABLE N5.6-1
3. INSPECTIONS DURING HIGH-STRENGTH BOLTING AT PRE-TENSIONED AND SLIP-CRITICAL JOINTS:		
A. ENSURE CORRECT FASTENER ASSEMBLIES PLACED IN ALL HOLES AND WASHERS/NUTS (WHEN SPECIFIED) ARE POSITIONED AS REQUIRED.	P	AISC 360 TABLE N5.6-2
B. VERIFY JOINT BROUGHT TO SNUG-TIGHT CONDITION PRIOR TO PRE-TENSIONING.	P	AISC 360 TABLE N5.6-2
C. VERIFY FASTENER COMPONENTS NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING.	P	AISC 360 TABLE N5.6-2
D. ENSURE FASTENERS ARE PRE-TENSIONED IN ACCORDANCE WITH RCSC, PROGRESSING FROM THE MOST RIGID POINT TOWARDS FREE EDGES.	P	AISC 360 TABLE N5.6-2
4. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS AFTER HIGH-STRENGTH BOLTING IS COMPLETE.	C	AISC 360 TABLE N5.6-3
5. VISUALLY INSPECT FOR CRACKS THE EXPOSED CUT SURFACES OF GALVANIZED STRUCTURAL STEEL MAIN MEMBERS AND EXPOSED CORNERS OF GALVANIZED RECTANGULAR HSS MEMBERS.	P	AISC 360 N5.7
6. STRUCTURAL DETAILS		
A. VERIFY DIAMETER, GRADE, TYPE, AND LENGTH OF ANCHOR RODS AND OTHER EMBEDDED ITEMS. THE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRETE SHALL BE VERIFIED AND DOCUMENTED PRIOR TO PLACEMENT OF CONCRETE.	P	AISC 360 N5.8
B. INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME TO VERIFY COMPLIANCE WITH THE DETAILS SHOWN ON THE CONTRACT DOCUMENTS.	P	AISC 360 N5.8

IT-2B: WELDING OF STRUCTURAL STEEL

INSPECTION TASK	FREQ	REFERENCE
1. INSPECTIONS PRIOR TO WELDING:		AISC 360 N5.4
A. COLLECT AND REVIEW WELDING PROCEDURE SPECIFICATION (WPS) AND VERIFY MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES.	C	AISC 360 TABLE N5.4-1
B. CONFIRM WELD MATERIAL TYPE AND GRADE.	P	AISC 360 TABLE N5.4-1
C. CONFIRM METHOD OF WELDER IDENTIFICATION. REVIEW WELDER QUALIFICATION AND CONTINUITY RECORDS.	P	AISC 360 TABLE N5.4-1
D. INSPECT FIT-UP FOR GROOVE AND FILLET WELDS, INCLUDING JOINT GEOMETRY.	P	AISC 360 TABLE N5.4-1
E. INSPECT FIT-UP FOR CJP GROOVE WELDS OF HSS T-, Y-, AND K- JOINTS WITHOUT BACKING, INCLUDING JOINT GEOMETRY.	P	AISC 360 TABLE N5.4-1
F. INSPECT CONFIGURATION AND FINISH OF ACCESS HOLES.	P	AISC 360 TABLE N5.4-1
2. INSPECTIONS DURING WELDING:		AISC 360 N5.4
A. VERIFY WELDER QUALIFICATIONS.	P	AISC 360 TABLE N5.4-2
B. VERIFY PROPER CONTROL AND HANDLING OF WELDING CONSUMABLES, INCLUDING PACKAGING AND EXPOSURE.	P	AISC 360 TABLE N5.4-2
C. MONITOR THAT ENVIRONMENTAL CONDITIONS, INCLUDING WIND SPEED, PRECIPITATION AND TEMPERATURE, ARE WITHIN DEFINED LIMITS.	P	AISC 360 TABLE N5.4-2
D. MONITOR PROPER IMPLEMENTATION OF WPS, INCLUDING SETTINGS ON WELDING EQUIPMENT, TRAVEL SPEED, SELECTED WELDING MATERIALS, SHIELDING GAS TYPE/FLOW RATE, PREHEAT APPLIED, INTERPASS TEMPERATURE MAINTAINED, AND PROPER POSITION.	P	AISC 360 TABLE N5.4-2
E. INSPECT WELDING TECHNIQUES, INCLUDING INTERPASS AND FINAL CLEANING, EACH PASS WITHIN PROFILE LIMITATIONS, EACH PASS MEETING QUALITY REQUIREMENTS, AND NO WELDING OVER CRACKED TACK WELDS.	P	AISC 360 TABLE N5.4-2
F. INSPECT PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS.	C	AISC 360 TABLE N5.4-2
3. INSPECTIONS AFTER WELDING:		AISC 360 N5.4, N5.5
A. VERIFY WELDS HAVE BEEN CLEANED.	P	AISC 360 TABLE N5.4-3
B. CONFIRM THE INSTALLED SIZE, LENGTH, AND LOCATION OF WELDS MATCHES THE CONTRACT DOCUMENTS.	C	AISC 360 TABLE N5.4-3
C. VERIFY WELDS MEET VISUAL ACCEPTANCE CRITERIA, INCLUDING CRACK PROHIBITION, WELD/BASE-METAL FUSION, CRATER CROSS SECTION, WELD PROFILES, WELD SIZE, UNDERCUT, AND POROSITY.	C	AISC 360 TABLE N5.4-3
D. CONFIRM ARC STRIKES COMPLY WITH PART 5.28 OF AWS D1.1.	C	AISC 360 TABLE N5.4-3
E. VISUALLY OBSERVE WEB K-AREA FOR CRACKS WITHIN 3" OF WELDED DOUBLER PLATES, CONTINUITY PLATES, AND STIFFENERS.	C	AISC 360 TABLE N5.4-3
F. INSPECT WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES FOR CRACKS.	C	AISC 360 TABLE N5.4-3
G. CONDUCT ULTRASONIC TESTING (UT) OF CJP GROOVE WELDS IN MATERIALS ≥ 5/16":		
100% OF WELDS WHERE PRIMARILY SUPPORTING GRAVITY LOADS (I.E. CANTILEVERS)	C	AISC 360 N5.5
100% OF WELDS SUBJECT TO FATIGUE	C	AISC 360 N5.5c, TABLE A-3.1
10% OF REMAINING WELDS IN RISK CATEGORY II STRUCTURES	C	AISC 360 N5.5
100% OF REMAINING WELDS IN RISK CATEGORY III AND IV STRUCTURES.	C	AISC 360 N5.5
H. VERIFY BACKING AND WELD TABS ARE REMOVED (AS REQUIRED) PER CONTRACT DOCUMENTS.	C	AISC 360 TABLE N5.4-3
I. OBSERVE AND INSPECT WELD REPAIR ACTIVITIES.	C	AISC 360 TABLE N5.4-3
J. DOCUMENT ACCEPTANCE/REJECTION OF WELDED JOINTS AND MEMBERS.	C	AISC 360 TABLE N5.4-3, N5.5g

IT-2C: COLD-FORMED STEEL DECKING

INSPECTION TASK	FREQ	REFERENCE
1. PRIOR TO DECK PLACEMENT, VERIFY DECK AND ACCESSORIES (INCLUDING PROFILES, MATERIAL PROPERTIES, AND BASE MATERIAL THICKNESS) COMPLY WITH THE CONTRACT DOCUMENTS. DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES.	C	SDI QA/QC TABLE 1.1
2. INSPECTION TASKS AFTER DECK PLACEMENT:		
A. VERIFY THE INSTALLATION OF DECK AND ACCESSORIES COMPLIES WITH THE CONTRACT DOCUMENTS.	C	SDI QA/QC TABLE 1.2
B. VERIFY THAT DECK MATERIAL MILL CERTIFICATIONS COMPLY WITH THE CONTRACT DOCUMENTS.	C	SDI QA/QC TABLE 1.2
C. DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES.	C	SDI QA/QC TABLE 1.2
3. INSPECTION TASKS PRIOR TO DECK WELDING:		
A. COLLECT WELDING PROCEDURE SPECIFICATION (WPS).	P	SDI QA/QC TABLE 1.3
B. COLLECT MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES.	P	SDI QA/QC TABLE 1.3
C. VERIFY MATERIAL TYPE AND GRADE.	P	SDI QA/QC TABLE 1.3
D. CHECK WELDING EQUIPMENT.	P	SDI QA/QC TABLE 1.3
4. INSPECTION TASKS DURING DECK WELDING:		
A. VERIFY WELDER QUALIFICATIONS.	P	SDI QA/QC TABLE 1.4
B. VERIFY PROPER CONTROL AND HANDLING OF WELDING CONSUMABLES.	P	SDI QA/QC TABLE 1.4
C. MONITOR ENVIRONMENTAL CONDITIONS.	P	SDI QA/QC TABLE 1.4
D. MONITOR PROPER IMPLEMENTATION OF WPS.	P	SDI QA/QC TABLE 1.4
5. INSPECTION TASKS AFTER DECK WELDING:		
A. VERIFY SIZE AND LOCATION OF WELDS, INCLUDING SUPPORT, SIDELAP AND PERIMETER WELDS.	C	SDI QA/QC TABLE 1.5
B. VERIFY WELDS MEET VISUAL ACCEPTANCE CRITERIA.	C	SDI QA/QC TABLE 1.5
C. OBSERVE WELD REPAIR ACTIVITIES.	C	SDI QA/QC TABLE 1.5
D. DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES.	C	SDI QA/QC TABLE 1.5
6. INSPECTION TASKS PRIOR TO MECHANICAL FASTENING:		
A. VERIFY MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHANICAL FASTENERS.	P	SDI QA/QC TABLE 1.6
B. VERIFY PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION.	P	SDI QA/QC TABLE 1.6
C. VERIFY PROPER STORAGE OF MECHANICAL FASTENERS.	P	SDI QA/QC TABLE 1.6
7. INSPECTION TASKS DURING MECHANICAL FASTENING:		
A. OBSERVE FASTENER SPACING AND POSITION.	P	SDI QA/QC TABLE 1.7
B. VERIFY FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.	P	SDI QA/QC TABLE 1.7
8. INSPECTION TASKS AFTER MECHANICAL FASTENING:		
A. VERIFY SPACING, TYPE AND INSTALLATION OF SUPPORT, SIDELAP, AND PERIMETER FASTENERS.	C	SDI QA/QC TABLE 1.8
B. VERIFY REPAIR ACTIVITIES.	C	SDI QA/QC TABLE 1.8
C. DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES.	C	SDI QA/QC TABLE 1.8

IT-2D: OPEN-WEB STEEL JOISTS AND JOIST GIRDERS

INSPECTION TASK	FREQ	REFERENCE
1. FABRICATOR CERTIFICATION/VERIFICATION OF QUALITY CONTROL PROCEDURES		
A. VERIFY FABRICATOR QUALIFICATIONS.	C	IBC 1704.2.5.1
B. COLLECT CERTIFICATES OF COMPLIANCE FROM THE STEEL JOIST PRODUCER AT COMPLETION OF FABRICATION.	C	IBC 1704.5, 2207.5
2. OBSERVE BOLTED AND WELDED JOIST END CONNECTIONS.	P	IBC TABLE 1705.2.3
3. VERIFY SIZE, SPACING, AND CONNECTION OF STANDARD HORIZONTAL AND DIAGONAL BRIDGING.	P	IBC TABLE 1705.2.3
4. VERIFY SIZE, SPACING, AND CONNECTION OF BRIDGING THAT DIFFERS FROM THE SJI SPECIFICATIONS LISTED BY IBC 2207.1.	P	IBC TABLE 1705.2.3

IT-2E: COLD-FORMED STEEL FRAMING

INSPECTION TASK	FREQ	REFERENCE
1. FABRICATOR CERTIFICATION/VERIFICATION OF QUALITY CONTROL PROCEDURES		
A. VERIFY FABRICATOR QUALIFICATIONS.	C	IBC 1704.2.5.1
B. COLLECT CERTIFICATES OF COMPLIANCE FROM THE STEEL FABRICATOR AT COMPLETION OF FABRICATION.	C	IBC 1704.5
2. FOR TRUSSES CLEAR SPANNING 60 FEET OR MORE, VERIFY THAT THE TEMPORARY INSTALLATION RESTRAINT/BRACING AND THE PERMANENT INDIVIDUAL TRUSS MEMBER RESTRAINT/BRACING ARE INSTALLED IN ACCORDANCE WITH THE APPROVED TRUSS SUBMITTAL PACKAGE.	P	IBC 1705.2.4

IT-3: CONCRETE CONSTRUCTION

	INSPECTION TASK	FREQ	REFERENCE
☒	1. INSPECT REINFORCEMENT, INCLUDING POST-TENSIONING TENDONS (IF APPLICABLE), AND VERIFY PLACEMENT.	P	IBC 1908.4 | ACI 318 20, 25.2, 25.3, 26.6.1-26.6.3
☐	2. REINFORCING BAR WELDING:		
	A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706 AND COLLECT REPORTS.	P	IBC 1704.5 | ACI 318 26.6.4
	B. INSPECT SINGLE-PASS FILLET WELDS ≤ 5/16".	P	ACI 318 26.6.4
	C. INSPECT ALL WELDS OTHER THAN SINGLE-PASS FILLET WELDS ≤ 5/16".	C	ACI 318 26.6.4
☒	3. CONCRETE ANCHORS:		
	A. INSPECT ANCHORS CAST IN CONCRETE.	P	ACI 318 17.8.2
	B. INSPECT ADHESIVE ANCHORS INSTALLED IN HARDENED CONCRETE WITH HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS THAT RESIST SUSTAINED TENSION LOADS. PERIODIC INSPECTION REQUIRED FOR ALL OTHER CONDITIONS.	C	ACI 318 17.8.2, 17.8.2.4
	C. INSPECT MECHANICAL ANCHORS INSTALLED IN HARDENED CONCRETE.	P	ACI 318 17.8.2
☒	4. COLLECT MIX DESIGNS AND VERIFY THE CORRECT MIX USED DURING INSTALLATION.	P	IBC 1904.1, 1904.2, 1908.2, 1908.3 | ACI 318 19, 26.4.3, 26.4.4
☒	5. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	C	IBC 1908.10 | ACI 318 26.4, 26.12 | ASTM C31, C172
☒	6. INSPECT CONCRETE AND SHOTCRETE (IF APPLICABLE) PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	C	IBC 1908.6-1908.8 | ACI 318 26.5
☐	7. COLLECT REPORTS OF PRECONSTRUCTION TESTS FOR SHOTCRETE WHEN PRECONSTRUCTION TESTS ARE REQUIRED BY IBC 1908.4.	C	IBC 1704.5, 1908.5
☒	8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	P	IBC 1908.9 | ACI 318 26.5.3-26.5.5
☐	9. INSPECTIONS FOR POST-TENSIONED CONCRETE:		
	A. OBSERVE APPLICATION OF POST-TENSIONING FORCE.	C	ACI 318 26.10
	B. INSPECT GROUTING OF BONDED POST-TENSIONING TENDONS.	C	ACI 318 26.10
☐	10. VERIFY CONCRETE STRENGTH PRIOR TO STRESSING OF POST-TENSIONING TENDONS AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM POST-TENSIONED/MILD BEAMS AND STRUCTURAL SLABS.	P	ACI 318 26.11.2
☐	11. INSPECT ERECTION OF PRECAST MEMBERS.	P	ACI 318 26.9
☒	12. INSPECT FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	P	ACI 318 26.11.1.2(b)
☐	13. COLLECT MILL TEST REPORTS FOR ASTM A615 REBAR USED IN SPECIAL REINFORCED CONCRETE MOMENT FRAMES AND SPECIAL REINFORCED CONCRETE SHEAR WALLS.	C	IBC 1704.5 | ACI 318 20.2.2.5

IT-4: MASONRY CONSTRUCTION (LEVEL C)

INSPECTION TASK	FREQ	REFERENCE
1. TEST AND VERIFY f'_m AND f'_{AAC} PRIOR TO CONSTRUCTION AND FOR EVERY 5,000 SF DURING CONSTRUCTION.	C	ACI 530 TABLE 3.1.3 | ACI 530.1 1.5
2. TEST AND VERIFY PROPORTIONS OF MATERIALS IN PREMIXED/PREBLENDED MORTAR AND GROUT OTHER THAN SELF-CONSOLIDATING, AS DELIVERED TO SITE.	C	ACI 530 TABLE 3.1.3
3. TEST AND VERIFY SLUMP FLOW AND VISUAL STABILITY INDEX AS DELIVERED TO SITE FOR SELF-CONSOLIDATING GROUT.	C	ACI 530 TABLE 3.1.3 | ACI 530.1 1.5B.1.b.3
4. VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS.	P	ACI 530 TABLE 3.1.3 | ACI 530.1 1.5
5. VERIFY COMPLIANCE FOR THE FOLLOWING:		
A. PROPORTIONS OF SITE-PREPARED MORTAR AND GROUT.	P	ACI 530.1 2.1, 2.4G.1b, 2.6A-C
B. GRADE, TYPE, AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS.	P	ACI 530 6.1 | ACI 530.1 2.4, 3.4
C. PLACEMENT OF MASONRY UNITS AND CONSTRUCTION OF MORTAR JOINTS.	P	ACI 530.1 3.3B
D. PLACEMENT OF REINFORCEMENT AND CONNECTORS.	C	ACI 530 6.1, 6.2.1, 6.2.6, 6.2.7 ACI 530.1 3.2E, 3.4, 3.6A
E. GROUT SPACE IS CLEAN, AND CLEANOUTS ARE PROVIDED WHEN REQUIRED.	C	ACI 530.1 3.2D, 3.2F
F. PLACEMENT OF GROUT.	C	ACI 530.1 3.5, 3.6C
G. SIZE AND LOCATION OF STRUCTURAL ELEMENTS.	P	ACI 530.1 3.3F
H. TYPE, SIZE, AND LOCATION OF ANCHORS INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION.	C	ACI 530 1.2.1(e), 6.1.4.3, 6.2.1
I. WELDING OF REINFORCEMENT.	C	ACI 530 8.1.6.7.2, 9.3.3.4(c), 11.3.3.4(b)
J. PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD (<40°F) WEATHER OR HOT (>90°F) WEATHER.	P	ACI 530.1 1.8C, 1.8D
K. PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS.	C	ACI 530.1 3.3B.9, 3.3F.1b
L. PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY.	C	ACI 530.1 2.1C.1
6. OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS.	C	ACI 530.1 1.4B.2.a.3, 1.4B.2.b.3, 1.4B.2.c.3, 1.4B.3, 1.4B.4

LEVEL C INSPECTION IS REQUIRED FOR ENGINEERED MASONRY IN RISK CATEGORY IV STRUCTURES. ENGINEERED MASONRY STRUCTURES ARE THOSE DESIGNED IN ACCORDANCE WITH PORTIONS OF ACI 530 OTHER THAN PART 4 OR APPENDIX A.

IT-6: SOILS

INSPECTION TASK	FREQ	REFERENCE
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS

IT-12: SEISMIC RESISTANCE			
	INSPECTION TASK	FREQ	REFERENCE
☒	1. PRIOR TO ANY WORK TAKING PLACE, EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A SEISMIC FORCE-RESISTING SYSTEM (SFRS) OR COMPONENT SHALL SUBMIT A WRITTEN STATEMENT OF CONTRACTOR RESPONSIBILITY.	C	IBC 1704.4
☐	2. STRUCTURAL STEEL (SEE IT-13 TABLES). [SDC ≥ D OR SDC ≥ B WHERE R > 3]		IBC 1705.12.1
☐	3. STRUCTURAL WOOD [SDC ≥ C] (*)		
	A. VERIFY FIELD GLUING OPERATIONS OF ELEMENTS OF THE SFRS.	C	IBC 1705.12.2
	B. INSPECT NAILING, ANCHORING, AND FASTENING OF COMPONENTS WITHIN THE SFRS INCLUDING SHEAR WALLS, DIAPHRAGMS, DRAG STRUTS, BRACES, AND HOLD-DOWNS.	P	IBC 1705.12.2
☒	4. COLD-FORMED STEEL FRAMING CONSTRUCTION [SDC ≥ C] (*)		
	A. INSPECT WELDING OPERATIONS AT ELEMENTS OF THE SFRS.	P	IBC 1705.12.3
	B. INSPECT SCREW ATTACHMENT, BOLTING, ANCHORING, AND FASTENING OF ELEMENTS WITHIN THE SFRS.	P	IBC 1705.12.3
	C. INSPECT SPECIAL BOLTED MOMENT FRAMES. [SDC ≥ D]	P	IBC 1705.12.9
☐	5. VERIFY ERECTION AND FASTENING OF EXTERIOR CLADDING, NON-BEARING WALLS, AND VENEER TALLER THAN 30' ABOVE FINISHED GRADE. [SDC ≥ D]	P	IBC 1705.12.5
☐	6. CONFIRM ANCHORAGE OF ACCESS FLOORS. [SDC ≥ D]	P	IBC 1705.12.5.1
☐	7. CONFIRM ANCHORAGE OF STORAGE RACKS AT LEAST 8' TALL. [SDC ≥ D]	P	IBC 1705.12.7
☒	8. COLLECT CERTIFICATES OF COMPLIANCE FOR QUALIFYING EQUIPMENT, SUPPORTS, ATTACHMENTS, AND COMPONENTS; VERIFY CORRECTNESS OF LABELS AND INSTALLATION. [SDC ≥ C]	C	IBC 1705.12.4, 1705.13.2 | ASCE 7 13.2.1, 13.2.2
	9. PLUMBING, MECHANICAL, AND ELECTRICAL COMPONENTS		
☒	A. VERIFY ANCHORAGE OF ELECTRICAL EQUIPMENT FOR EMERGENCY AND STANDBY POWER SYSTEMS. [SDC ≥ C]	P	IBC 1705.12.6
☒	B. VERIFY INSTALLATION AND ANCHORAGE OF PIPE AND DUCT SYSTEMS CARRYING HAZARDOUS MATERIALS AND ASSOCIATED MECHANICAL UNITS. [SDC ≥ C]	P	IBC 1705.12.6
☒	C. CONFIRM THE INSTALLATION AND ANCHORAGE OF VIBRATION ISOLATION SYSTEMS WITH NOMINAL CLEARANCES ≤ 1/4". [SDC ≥ C]	P	IBC 1705.12.6
☐	D. INSPECT AND TEST SEISMIC ISOLATION SYSTEMS AT SEISMICALLY ISOLATED STRUCTURES. [SDC ≥ B]	P	IBC 1705.12.8, 1705.13.4 | ASCE 7 17.8

INSPECTION IS NOT REQUIRED FOR STRUCTURES OF LIGHT-FRAME CONSTRUCTION WHERE $S_{DS} \leq 0.5$ AND THE BUILDING HEIGHT ≤ 35', NOR FOR SFRS OF REINFORCED MASONRY/CONCRETE WHERE $S_{DS} \leq 0.5$ AND THE BUILDING HEIGHT ≤ 25'. (*) INSPECTION IS NOT REQUIRED FOR STRUCTURAL SHEATHING IN SHEAR WALLS, PANELS, AND DIAPHRAGMS WHERE THE FASTENER SPACING > 4"OC.

SEISMIC FORCE-RESISTING SYSTEMS AND COMPONENTS/CONNECTIONS SUBJECT TO INSPECTION INCLUDE:
COLD FORMED METAL ROOF DECK PLACEMENT AND ATTACHMENT TO STRUCTURAL STEEL

IT-14: SPRAYED FIRE-RESISTANT MATERIALS		
INSPECTION TASK	FREQ	REFERENCE
1. PRIOR TO THE APPLICATION OF SPRAYED ON FIRE-RESISTANT MATERIALS, VERIFY STRUCTURAL MEMBER SURFACES ARE PREPARED IN ACCORDANCE WITH THE APPROVED FIRE-RESISTANCE DESIGN AND THE WRITTEN INSTRUCTIONS OF THE APPROVED MANUFACTURER.	P	IBC 1705.14.2
2. DURING THE APPLICATION OF SPRAYED ON FIRE-RESISTANT MATERIALS, VERIFY THE FOLLOWING ARE IN COMPLIANCE:		
A. SUBSTRATE HAS MINIMUM AMBIENT TEMPERATURE BEFORE AND AFTER APPLICATION AS SPECIFIED BY THE APPROVED FIRE-RESISTANCE DESIGN AND THE WRITTEN INSTRUCTIONS OF THE APPROVED MANUFACTURER.	P	IBC 1705.14.3
B. WORK AREA PROPERLY VENTILATED DURING AND AFTER APPLICATION.	P	IBC 1705.14.3
C. THICKNESS OF SPRAYED ON MATERIAL CONFORMS WITH THE APPROVED FIRE-RESISTANCE DESIGN AND IBC MINIMUMS.	P	IBC 1705.14.4 | ASTM E605
D. DENSITY OF SPRAYED ON MATERIAL IS NOT LESS THAN THE REQUIREMENTS OF THE APPROVED FIRE-RESISTANCE DESIGN.	P	IBC 1705.14.5
E. COHESIVE/ADHESIVE BOND STRENGTH IS NOT LESS THAN 150 PSF.	P	IBC 1705.14.6 | ASTM E736

INSPECTIONS SHALL BE PERFORMED AFTER THE ROUGH INSTALLATION OF ELECTRICAL, SPRINKLER, MECHANICAL, AND PLUMBING SYSTEMS, AS WELL AS THE SUSPENSION SYSTEMS FOR CEILINGS.

IT-17: FIRE-RESISTANT PENETRATIONS AND JOINTS		
INSPECTION TASK	FREQ	REFERENCE
1. INSPECT THROUGH-PENETRATION FIRESTOP SYSTEMS AT FIRE WALLS, FIRE BARRIERS, SMOKE BARRIERS AND FIRE PARTITION WALLS IN ACCORDANCE WITH ASTM E2174.	P	IBC 714.4.1.2, 1705.17.1
2. INSPECT PENETRATION FIRESTOP SYSTEMS AT PENETRATIONS THROUGH MEMBRANES THAT ARE PART OF A HORIZONTAL ASSEMBLY IN ACCORDANCE WITH ASTM E2174.		
A. VERIFY MATERIALS BEFORE INSTALLATION.	P	IBC 714.5.2, 1705.17.1
B. VERIFY INSTALLATION AGAINST THE CONTRACT DOCUMENTS AND APPROVED MATERIAL/INSTALLATION SUBMITTALS.	P	IBC 714.5.2, 1705.17.1
C. FOR EACH TYPE OF FIRESTOP, WITNESS 10% OF INSTALLATIONS – OR DESTRUCTIVE TESTING ON 2% OF INSTALLATIONS FOR 10,000 SF FLOOR AREA.	P	IBC 714.5.2, 1705.17.1
3. INSTALLATION OF FIRE-RESISTANT JOINT SYSTEMS IN ACCORDANCE WITH ASTM E2393		
A. VERIFY MATERIALS BEFORE INSTALLATION.	P	IBC 715.3, 715.4, 1705.17.2
B. VERIFY INSTALLATION AGAINST THE CONTRACT DOCUMENTS AND APPROVED MATERIAL/INSTALLATION SUBMITTALS.	P	IBC 715.3, 715.4, 1705.17.2
C. FOR EACH TYPE OF JOINT SYSTEM, WITNESS INSTALLATION OF A MINIMUM OF 5% OF THE TOTAL LINEAL FEET BEING INSTALLED – OR DESTRUCTIVE TESTING, DISASSEMBLY, OR VISUAL INSPECTION AT LEAST THE RATE OF 1 SAMPLE FOR EVERY 500 LINEAL FEET BEING INSTALLED.	P	IBC 715.3, 715.4, 1705.17.2

INSPECTION IS ONLY REQUIRED FOR HIGH-RISE BUILDINGS OR BUILDINGS ASSIGNED TO RISK CATEGORY III OR IV. ADDITIONS, CHANGES OF USE, EVALUATIONS PER CHAPTER 14 OF THE IEBC, AND LEVEL 3 ALTERATIONS WITHIN EXISTING HIGH-RISE BUILDINGS OR BUILDINGS ASSIGNED TO RISK CATEGORY III OR IV SHALL ALSO REQUIRE THESE INSPECTIONS.

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON AND IN RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT OR WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. © COPYRIGHT 2021 MCMILLAN PAZDAN SMITH ARCHITECTURE
ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

STEWART
101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202
T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #525065

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

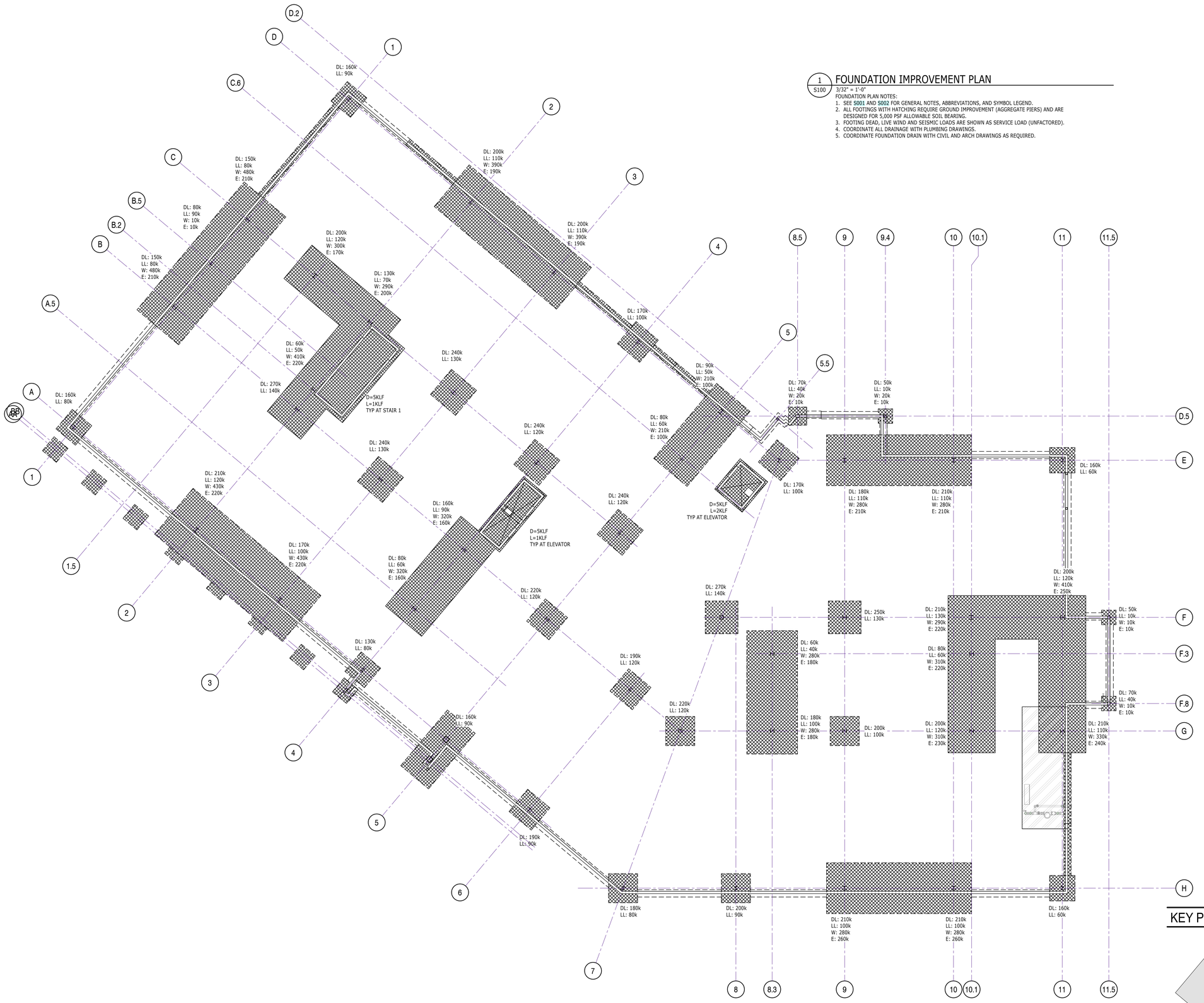
NORTH CAROLINA PROFESSIONAL SEAL 041315 ENGINEER PETHINA A. AGMELIO

02/06/2026

PRINCIPAL IN CHARGE: PAA
PROJECT ENGINEER: KAB
DRAWN BY: DB

SHEET TITLE:
STATEMENT OF SPECIAL INSPECTIONS

SHEET NO. S012
PROJ. NO. 024370.01



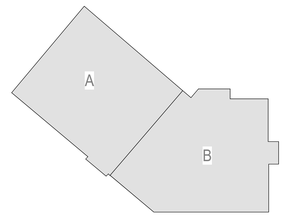
1 S100 FOUNDATION IMPROVEMENT PLAN

3/32" = 1'-0"

FOUNDATION PLAN NOTES:

1. SEE S001 AND S002 FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOL LEGEND.
2. ALL FOOTINGS WITH HATCHING REQUIRE GROUND IMPROVEMENT (AGGREGATE PIERS) AND ARE DESIGNED FOR 5,000 PSF ALLOWABLE SOIL BEARING.
3. FOOTING DEAD, LIVE WIND AND SEISMIC LOADS ARE SHOWN AS SERVICE LOAD (UNFACTORED).
4. COORDINATE ALL DRAINAGE WITH PLUMBING DRAWINGS.
5. COORDINATE FOUNDATION DRAIN WITH CIVIL AND ARCH DRAWINGS AS REQUIRED.

KEY PLAN



PROJECT NORTH

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THEY ARE NOT TO BE USED ON ANY PROJECT OTHER THAN THE PROJECT FOR WHICH THEY HAVE BEEN PREPARED WITHOUT THE WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH ARCHITECTURE ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

STEWART
101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202
T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #525065

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

NORTH CAROLINA PROFESSIONAL SEAL 041315 ENGINEER FETHINA A. AGMELO

02/06/2026

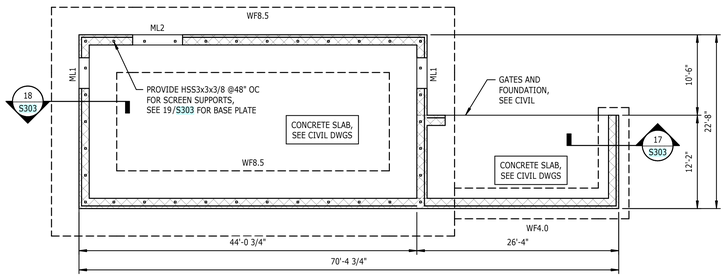
PRINCIPAL IN CHARGE: PAA
PROJECT ENGINEER: KAB
DRAWN BY: DB

SHEET TITLE:

FOUNDATION IMPROVEMENT PLAN

SHEET NO. S100

PROJ. NO. 024370.01



2 S111A DUMPSTER ENCLOSURE PLAN

1/8" = 1'-0"

1 S111A FOUNDATION PLAN - AREA A

1/8" = 1'-0"

FOUNDATION PLAN NOTES:

1. SEE S001 AND S002 FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOL LEGEND.
2. REFERENCE FINISHED FLOOR ELEVATION 0'-0". ACTUAL ELEVATION IS 41.0'.
3. SEE S301 FOR TYPICAL SLAB CONSTRUCTION DETAILS.
4. SEE S501 FOR STEEL COLUMN SCHEDULE.
5. TOP OF EXTERIOR FOOTING ELEVATION 2'-0" BELOW FINISHED FLOOR ELEVATION, UNO. TOP OF INTERIOR FOOTING ELEVATION 1'-0" BELOW FINISHED FLOOR ELEVATION, UNO
6. TOP OF PEDESTAL ELEVATION 0'-8" BELOW FINISHED FLOOR ELEVATION, UNO.
7. CONTRACTOR TO COORDINATE ALL THICKENED SLAB LOCATIONS WITH ARCHITECTURAL DRAWINGS AND THE TYPICAL SLAB ON GRADE DETAILS HEREIN. ITEMS REQUIRING THICKENED SLABS MAY INCLUDE (BUT ARE NOT LIMITED TO) MASONRY PARTITIONS, STAIRS, AND INTERIOR BOLLARDS.
8. SLOPE EXTERIOR SLABS, SIDEWALKS, AND PAVING AS INDICATED ON THE ARCHITECTURAL DRAWINGS.
9. TYPICAL EXTERIOR CONTINUOUS FOOTINGS ARE WF2.0, UNO.
10. PRE-ENGINEERED CANOPY FOUNDATION SIZES ARE PRELIMINARY. CONTRACTOR TO SUBMIT CANOPY REACTIONS FROM SUPPLIER TO EOR FOR CAPACITY CONFIRMATION. ALL CANOPY FOOTING REQUIREMENTS ARE TO BE COORDINATED BY CONTRACTOR PRIOR TO SHOP DRAWING SUBMITTAL.

BUILDING ELEVATION TABLE

LEVEL 1 ELEVATION = 41.0', UNO, VERIFY W/ CIVIL (REFERENCE ELEVATION 0'-0")

LEVEL	TARGET	ELEVATION ABOVE REFERENCE ELEVATION
ROOF	BOTTOM OF ROOF DECK ELEVATION	VARIES
LEVEL 4	FINISHED FLOOR ELEVATION	48'-0"
LEVEL 3	FINISHED FLOOR ELEVATION	32'-0"
LEVEL 2	FINISHED FLOOR ELEVATION	16'-0"
LEVEL 1	FINISHED FLOOR ELEVATION	0'-0"

WALL FOOTING SCHEDULE

MARK	SIZE WIDTH	SIZE DEPTH	REINFORCEMENT CONTINUOUS	REINFORCEMENT TRANSVERSE
WF2.0	2'-0"	1'-0"	(3)#4	#4@18"OC
WF4.0	4'-0"	1'-0"	(3)#6 T&B	#6@16" T&B
WF8.5	8'-6"	2'-6"	(12)#6 T&B	#6@8" T&B

SPREAD FOOTING SCHEDULE

MARK	SIZE WIDTH	SIZE LENGTH	SIZE DEPTH	REINFORCEMENT (EACH WAY) TOP	REINFORCEMENT (EACH WAY) BOTTOM
F4	4'-0"	4'-0"	1'-0"	NA	(4)#5
F5	5'-0"	5'-0"	1'-3"	(5)#5	(6)#5
F7	7'-0"	7'-0"	2'-0"	NA	(7)#7
F8	8'-0"	8'-0"	2'-0"	NA	(8)#7
F9	9'-0"	9'-0"	2'-3"	NA	(9)#7
F10x20	10'-0"	20'-0"	2'-6"	(9)#8 LONG DIRECTION, #8@10" OC SHORT DIRECTION	(9)#8 LONG DIRECTION, #8@10" OC SHORT DIRECTION
F12x27	12'-0"	27'-0"	2'-6"	(9)#8 LONG DIRECTION, #8@10" OC SHORT DIRECTION	(9)#8 LONG DIRECTION, #8@10" OC SHORT DIRECTION
F14x34	14'-0"	34'-0"	3'-0"	(17)#8 LONG DIRECTION, #8@10" OC SHORT DIRECTION	(17)#8 LONG DIRECTION, #8@10" OC SHORT DIRECTION
F14x40	14'-0"	40'-0"	3'-0"	(17)#8 LONG DIRECTION, #8@10" OC SHORT DIRECTION	(17)#8 LONG DIRECTION, #8@10" OC SHORT DIRECTION
F15x44	15'-0"	44'-0"	3'-6"	(18)#8 LONG DIRECTION, #8@10" OC SHORT DIRECTION	(18)#8 LONG DIRECTION, #8@10" OC SHORT DIRECTION
F15x46	15'-0"	46'-0"	3'-6"	(18)#8 LONG DIRECTION, #8@10" OC SHORT DIRECTION	(18)#8 LONG DIRECTION, #8@10" OC SHORT DIRECTION
F16.6x46	16'-6"	46'-0"	4'-0"	(22)#8 LONG DIRECTION, #8@10" OC SHORT DIRECTION	(22)#8 LONG DIRECTION, #8@10" OC SHORT DIRECTION

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

STEWART
101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202
T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #525065

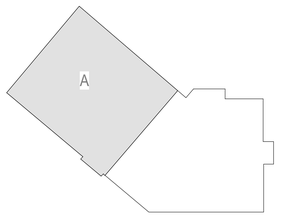
BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

KEY PLAN



PROJECT NORTH

NORTH CAROLINA PROFESSIONAL SEAL 041315 ENGINEER PETHINA A. AGNELLO

02/06/2026

PRINCIPAL IN CHARGE: PAA
PROJECT ENGINEER: KAB
DRAWN BY: DB

SHEET TITLE:

FOUNDATION PLAN - AREA A

SHEET NO. S111A

PROJ. NO. 024370.01

1 S111B FOUNDATION PLAN - AREA B

1/8" = 1'-0"

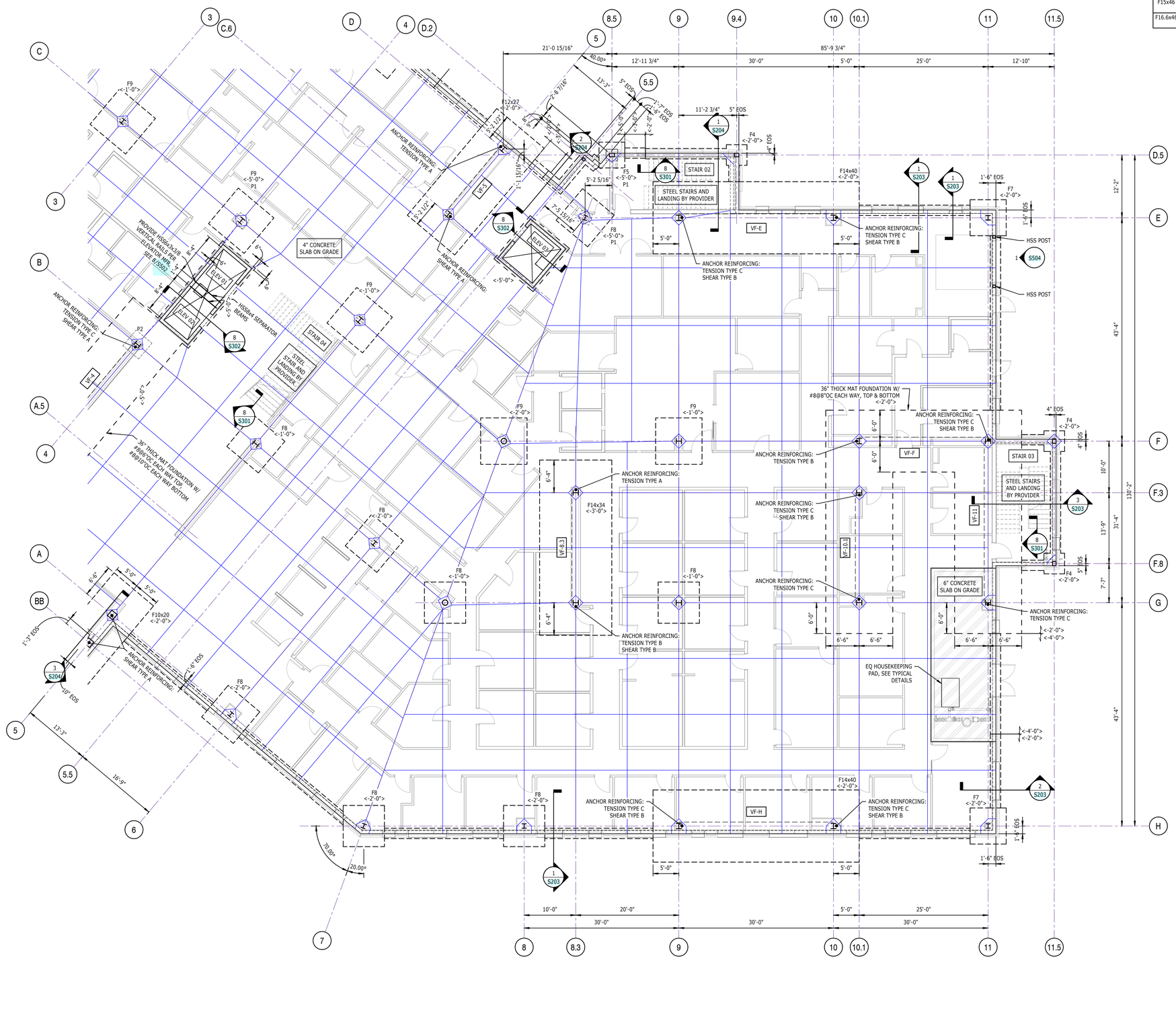
FOUNDATION PLAN NOTES:

1. SEE S001 AND S002 FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOL LEGEND.
2. REFERENCE FINISHED FLOOR ELEVATION 0'-0". ACTUAL ELEVATION IS 41.0'.
3. SEE S301 FOR TYPICAL SLAB CONSTRUCTION DETAILS.
4. SEE S501 FOR STEEL COLUMN SCHEDULE.
5. TOP OF EXTERIOR FOOTING ELEVATION 2'-0" BELOW FINISHED FLOOR ELEVATION, UNO. TOP OF INTERIOR FOOTING ELEVATION 1'-0" BELOW FINISHED FLOOR ELEVATION, UNO
6. TOP OF PEDESTAL ELEVATION 0'-8" BELOW FINISHED FLOOR ELEVATION, UNO.
7. CONTRACTOR TO COORDINATE ALL THICKENED SLAB LOCATIONS WITH ARCHITECTURAL DRAWINGS AND THE TYPICAL SLAB ON GRADE DETAILS HEREIN. ITEMS REQUIRING THICKENED SLABS MAY INCLUDE (BUT ARE NOT LIMITED TO) MASONRY PARTITIONS, STAIRS, AND INTERIOR BOLLARDS.
8. SLOPE EXTERIOR SLABS, SIDEWALKS, AND PAVING AS INDICATED ON THE ARCHITECTURAL DRAWINGS.
9. TYPICAL EXTERIOR CONTINUOUS FOOTINGS ARE WF2.0, UNO.
10. PRE-ENGINEERED CANOPY FOUNDATION SIZES ARE PRELIMINARY. CONTRACTOR TO SUBMIT CANOPY REACTIONS FROM SUPPLIER TO EOR FOR CAPACITY CONFIRMATION. ALL CANOPY FOOTING REQUIREMENTS ARE TO BE COORDINATED BY CONTRACTOR PRIOR TO SHOP DRAWING SUBMITTAL.

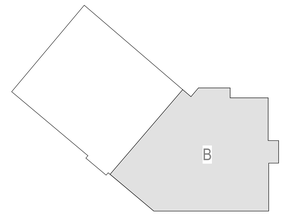
BUILDING ELEVATION TABLE		
LEVEL 1 ELEVATION = 41.0', UNO, VERIFY W/ CIVIL (REFERENCE ELEVATION 0'-0")		
LEVEL	**TARGET**	**ELEVATION ABOVE REFERENCE ELEVATION**
ROOF	BOTTOM OF ROOF DECK ELEVATION	VARIES
LEVEL 4	FINISHED FLOOR ELEVATION	48'-0"
LEVEL 3	FINISHED FLOOR ELEVATION	32'-0"
LEVEL 2	FINISHED FLOOR ELEVATION	16'-0"
LEVEL 1	FINISHED FLOOR ELEVATION	0'-0"

WALL FOOTING SCHEDULE				
	SIZE		REINFORCEMENT	
MARK	WIDTH	DEPTH	CONTINUOUS	TRANSVERSE
WF2.0	2'-0"	1'-0"	(3)#4	#4@18"OC
WF4.0	4'-0"	1'-0"	(3)#6 T&B	#6@16" T&B
WF8.5	8'-6"	2'-6"	(12)#6 T&B	#6@8" T&B

SPREAD FOOTING SCHEDULE					
	SIZE			REINFORCEMENT (EACH WAY)	
MARK	WIDTH	LENGTH	DEPTH	TOP	BOTTOM
F4	4'-0"	4'-0"	1'-0"	NA	(4)#5
F5	5'-0"	5'-0"	1'-3"	(5)#5	(6)#5
F7	7'-0"	7'-0"	2'-0"	NA	(7)#7
F8	8'-0"	8'-0"	2'-0"	NA	(8)#7
F9	9'-0"	9'-0"	2'-3"	NA	(9)#7
F10x20	10'-0"	20'-0"	2'-6"	(9)#8 LONG DIRECTION, #8@10" OC SHORT DIRECTION	(9)#8 LONG DIRECTION, #8@10" OC SHORT DIRECTION
F12x27	12'-0"	27'-0"	2'-6"	(9)#8 LONG DIRECTION, #8@10" OC SHORT DIRECTION	(9)#8 LONG DIRECTION, #8@10" OC SHORT DIRECTION
F14x34	14'-0"	34'-0"	3'-0"	(17)#8 LONG DIRECTION, #8@10" OC SHORT DIRECTION	(17)#8 LONG DIRECTION, #8@10" OC SHORT DIRECTION
F14x40	14'-0"	40'-0"	3'-0"	(17)#8 LONG DIRECTION, #8@10" OC SHORT DIRECTION	(17)#8 LONG DIRECTION, #8@10" OC SHORT DIRECTION
F15x44	15'-0"	44'-0"	3'-6"	(18)#8 LONG DIRECTION, #8@10" OC SHORT DIRECTION	(18)#8 LONG DIRECTION, #8@10" OC SHORT DIRECTION
F15x46	15'-0"	46'-0"	3'-6"	(18)#8 LONG DIRECTION, #8@10" OC SHORT DIRECTION	(18)#8 LONG DIRECTION, #8@10" OC SHORT DIRECTION
F16.6x46	16'-6"	46'-0"	4'-0"	(22)#8 LONG DIRECTION, #8@10" OC SHORT DIRECTION	(22)#8 LONG DIRECTION, #8@10" OC SHORT DIRECTION



KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

STEWART
101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202
T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #525065

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:

NO.	DATE	DESCRIPTION

NORTH CAROLINA PROFESSIONAL SEAL 041315 ENGINEER REYHINA A. AGNELLO

02/06/2026

PRINCIPAL IN CHARGE: PAA
PROJECT ENGINEER: KAB
DRAWN BY: DB

SHEET TITLE:

FOUNDATION PLAN - AREA B

SHEET NO. S111B

PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THEY ARE NOT TO BE USED ON ANY PROJECT OTHER THAN THE PROJECT FOR WHICH THEY HAVE BEEN PREPARED WITHOUT THE WRITTEN PERMISSION OF MCMILLAN PAZDAN SMITH ARCHITECTURE. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

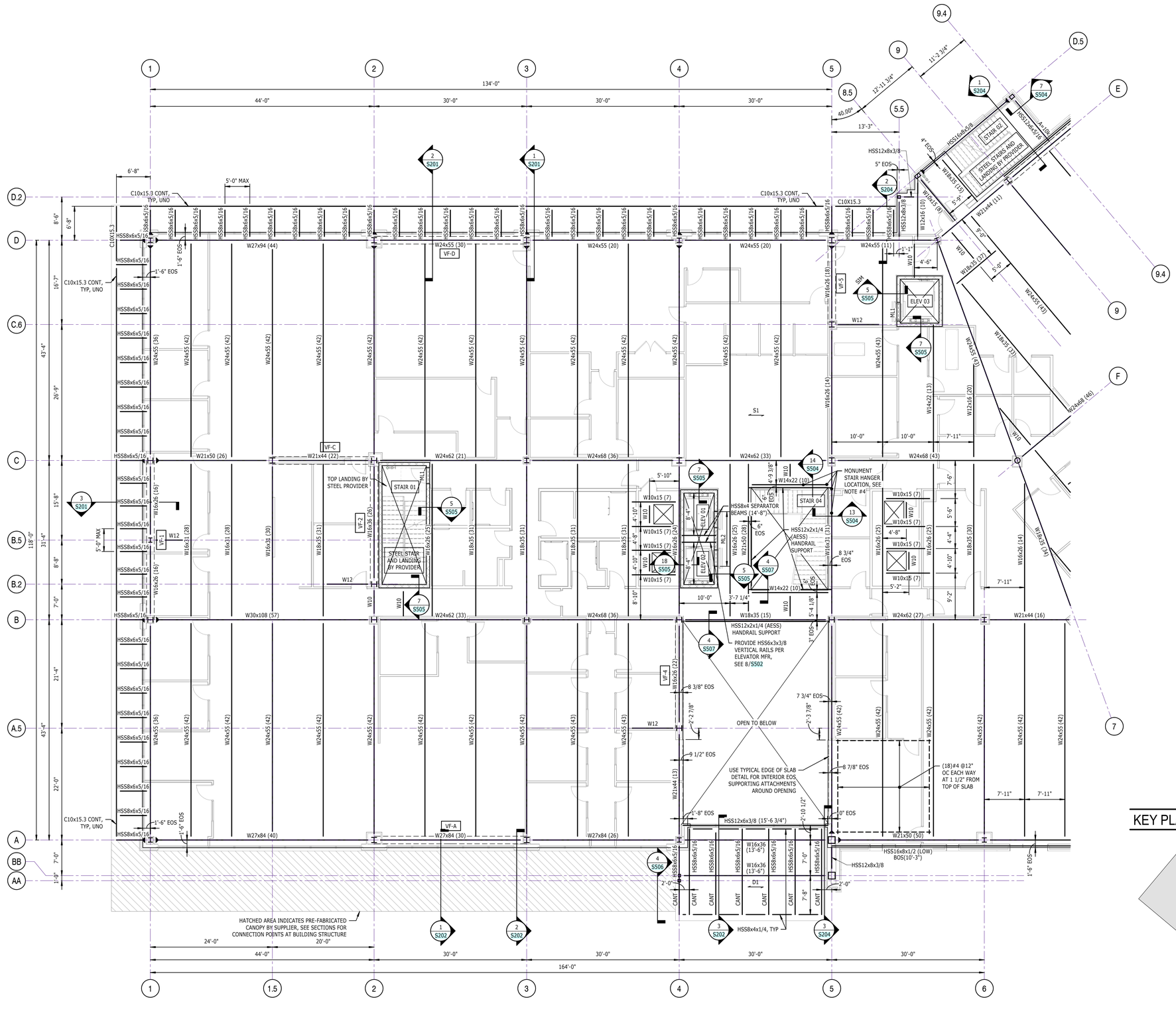
DATE/TIME: 2/06/2026 1:17:58 PM Autodesk Docs://525065 BC Brunswick County Health & Human Services/525065_BC Brunswick County Health & Human Services_CENTRAL_R25.rvt

1 S121A LEVEL 2 FRAMING PLAN - AREA A

1/8" = 1'-0"

FLOOR FRAMING PLAN NOTES:
1. SEE S001 AND S002 FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOL LEGEND.
2. SEE S502, S503, AND S504 FOR TYPICAL SLAB CONSTRUCTION DETAILS.
3. SEE S501 FOR STEEL COLUMN SCHEDULE.
4. MONUMENTAL STAIR 04 HANGER LOCATIONS TO BE COORDINATED WITH ARCH AND STAIR MANUFACTURER.
5. EXTERIOR EXPOSED ROOF STEEL TO BE GALVANIZED AESS LEVEL 01.

BUILDING ELEVATION TABLE		
LEVEL 1 ELEVATION = 41.0', UNO, VERIFY W/ CIVIL (REFERENCE ELEVATION 0'-0")		
LEVEL	**TARGET**	**ELEVATION ABOVE REFERENCE ELEVATION**
ROOF	BOTTOM OF ROOF DECK ELEVATION	VARIES
LEVEL 4	FINISHED FLOOR ELEVATION	48'-0"
LEVEL 3	FINISHED FLOOR ELEVATION	32'-0"
LEVEL 2	FINISHED FLOOR ELEVATION	16'-0"
LEVEL 1	FINISHED FLOOR ELEVATION	0'-0"


1
2
3
4
5
8.5
5.5
9
9.4
D.5
E
F
7
D.2
D
C.6
C
B.5
B.2
B
A.5
A
BB
AA
134'-0"
44'-0"
30'-0"
30'-0"
30'-0"
11'-2 3/4"
12'-11 3/4"
40.00°
13'-3"
6'-8"
5'-0" MAX
C10x15.3 CONT, TYP, UNO
C10x15.3
HSS8x6x5/16
HSS12x8x3/8
5" EOS
4" EOS
1'-6" EOS
1'-6" EOS
1'-6" EOS
1'-6" EOS
8'-6"
6'-8"
16'-7"
43'-4"
26'-9"
15'-8"
31'-4"
8'-8"
7'-0"
21'-4"
43'-4"
22'-0"
7'-0"
1'-0"
118'-0"
W27x94 (44)
W24x55 (30)
W24x55 (20)
W24x55 (20)
W24x55 (11)
W24x55 (36)
W24x55 (42)
W21x50 (26)
W21x44 (22)
W24x62 (21)
W24x68 (36)
W24x62 (33)
W24x68 (43)
W30x108 (57)
W24x62 (33)
W24x68 (36)
W18x35 (15)
W24x62 (27)
W21x44 (16)
W27x84 (40)
W27x84 (30)
W27x84 (26)
W21x50 (50)
VF-C
VF-D
VF-1
VF-2
VF-4
VF-5
STAIR 01
STAIR 02
STAIR 04
ELEV 01
ELEV 02
ELEV 03
TOP LANDING BY STEEL PROVIDER
STEEL STAIR AND LANDING BY PROVIDER
STEEL STAIRS AND LANDING BY PROVIDER
HSS8x4 SEPARATOR BEAMS (14'-8")
HSS12x2x1/4 (AESS) HANDRAIL SUPPORT
HSS12x2x1/4 (AESS) HANDRAIL SUPPORT
PROVIDE HSS6x3x3/8 VERTICAL RAILS PER ELEVATOR MFR, SEE 8/S502
MONUMENT STAIR HANGER LOCATION, SEE NOTE #4
OPEN TO BELOW
USE TYPICAL EDGE OF SLAB DETAIL FOR INTERIOR EOS SUPPORTING ATTACHMENTS AROUND OPENING
(18)#4 @12" OC EACH WAY AT 1 1/2" FROM TOP OF SLAB
HSS16x8x1/2 (LOW) BOS(10'-3")
HSS12x8x3/8
HSS8x4x1/4, TYP
HATCHED AREA INDICATES PRE-FABRICATED CANOPY BY SUPPLIER, SEE SECTIONS FOR CONNECTION POINTS AT BUILDING STRUCTURE
24'-0"
20'-0"
164'-0"
S1
D1
SIM
ML1
ML2
CANT
W16x36 (13'-6")
HSS16x6x5/8
HSS12x6x5/16
W16x26 (22)
W16x26 (18)
W16x26 (14)
W16x26 (20)
W16x26 (25)
W16x31 (28)
W16x31 (31)
W16x26 (16)
W16x26 (24)
W16x26 (25)
W16x26 (25)
W16x26 (14)
W16x26 (16)
W16x31 (28)
W16x31 (31)
W16x26 (25)
W16x26 (25)
W14x22 (13)
W14x22 (10)
W14x22 (10)
W12x16 (10)
W12x16 (20)
W12x44 (11)
W18x35 (13)
W18x35 (37)
W18x35 (33)
W18x35 (30)
W18x35 (31)
W18x35 (31)
W18x35 (31

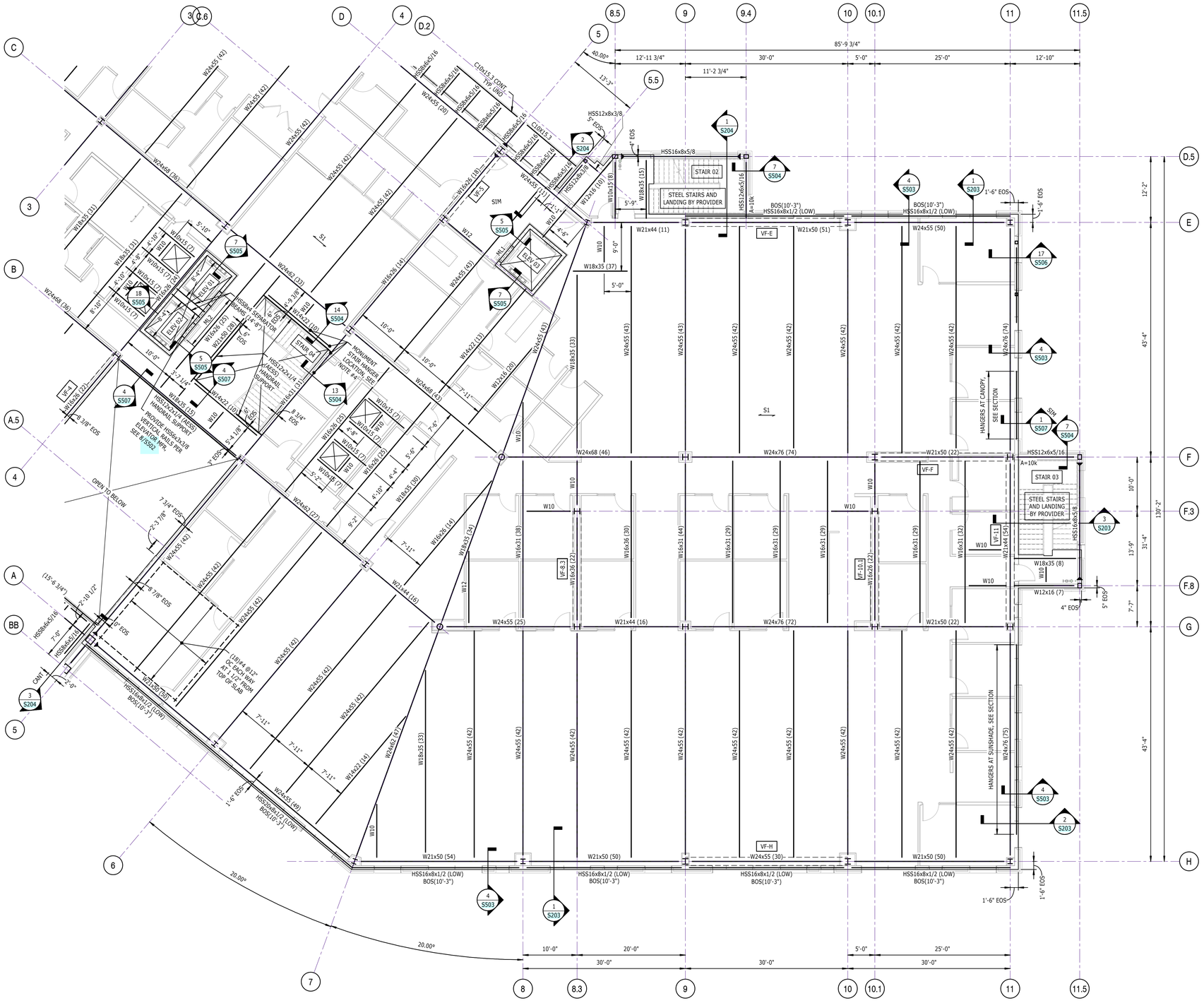
1 S121B LEVEL 2 FRAMING PLAN - AREA B

1/8" = 1'-0"

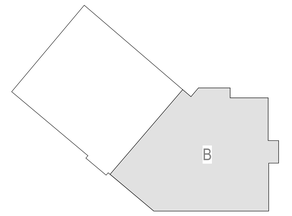
FLOOR FRAMING PLAN NOTES:

1. SEE S001 AND S002 FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOL LEGEND.
2. SEE S502, S503, AND S504 FOR TYPICAL SLAB CONSTRUCTION DETAILS.
3. SEE S501 FOR STEEL COLUMN SCHEDULE.
4. MONUMENTAL STAIR 04 HANGER LOCATIONS TO BE COORDINATED WITH ARCH AND STAIR MANUFACTURER.
5. EXTERIOR EXPOSED ROOF STEEL TO BE GALVANIZED AESS LEVEL 01.

BUILDING ELEVATION TABLE		
LEVEL 1 ELEVATION = 41.0', UNO, VERIFY W/ CIVIL (REFERENCE ELEVATION 0'-0")		
LEVEL	**TARGET**	**ELEVATION ABOVE REFERENCE ELEVATION**
ROOF	BOTTOM OF ROOF DECK ELEVATION	VARIES
LEVEL 4	FINISHED FLOOR ELEVATION	48'-0"
LEVEL 3	FINISHED FLOOR ELEVATION	32'-0"
LEVEL 2	FINISHED FLOOR ELEVATION	16'-0"
LEVEL 1	FINISHED FLOOR ELEVATION	0'-0"



KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

STEWART
101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202
T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #525065

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:

NO.	DATE	DESCRIPTION

NORTH CAROLINA PROFESSIONAL SEAL 041315 ENGINEER PETRINA A. AGNELLO
02/06/2026

PRINCIPAL IN CHARGE: PAA
PROJECT ENGINEER: KAB
DRAWN BY: DB

SHEET TITLE:
LEVEL 2 FRAMING PLAN - AREA B

SHEET NO. S121B
PROJ. NO. 024370.01

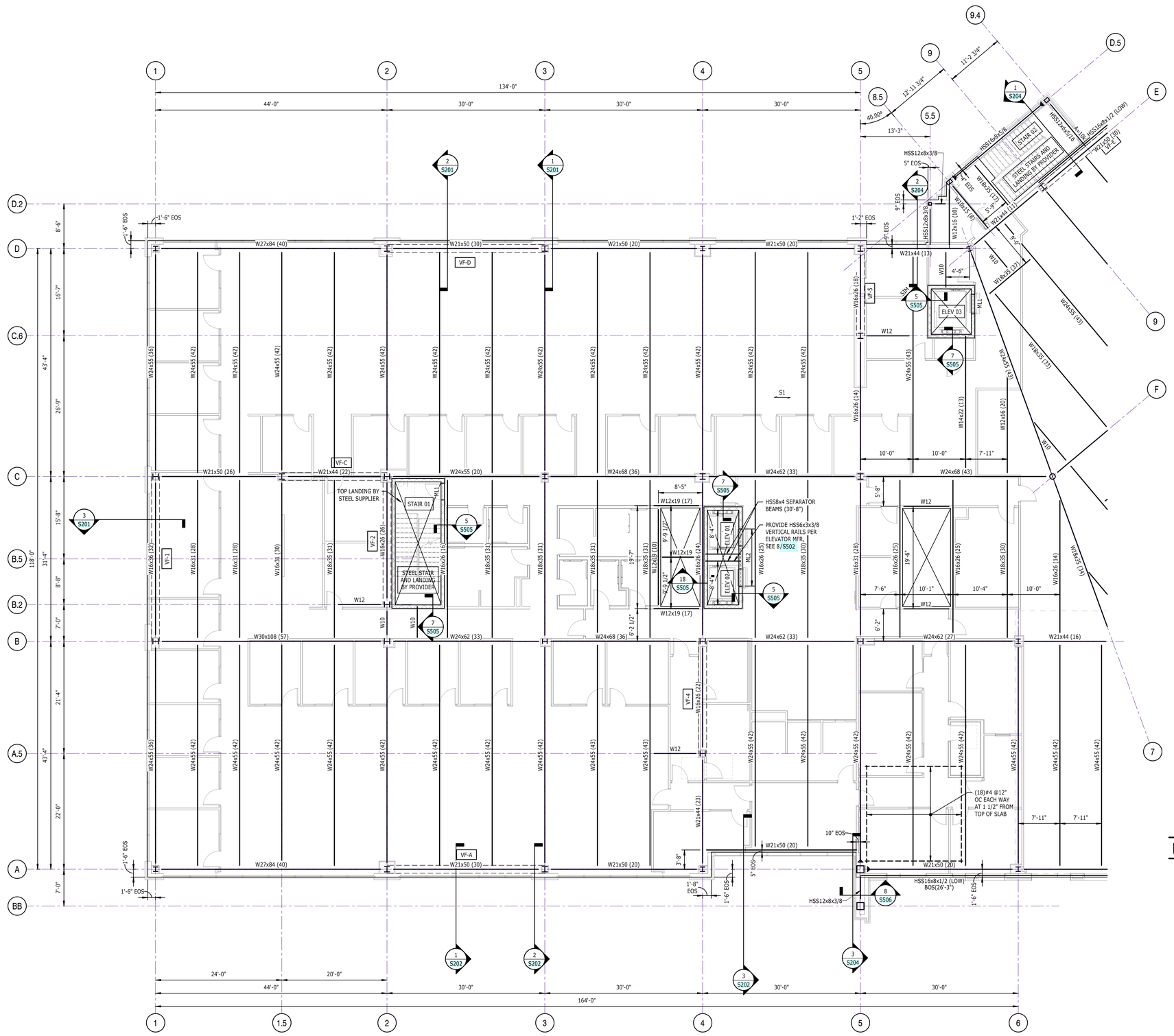
1 S131A LEVEL 3 FRAMING PLAN - AREA A

1/8" = 1'-0"

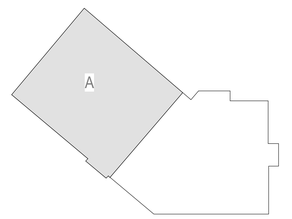
FLOOR FRAMING PLAN NOTES:

1. SEE S001 AND S002 FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOL LEGEND.
2. SEE S502, S503, AND S504 FOR TYPICAL SLAB CONSTRUCTION DETAILS.
3. SEE S501 FOR STEEL COLUMN SCHEDULE.

BUILDING ELEVATION TABLE		
LEVEL 1 ELEVATION = 41.0', UNO, VERIFY W/ CIVIL (REFERENCE ELEVATION 0'-0")		
LEVEL	**TARGET**	**ELEVATION ABOVE REFERENCE ELEVATION**
ROOF	BOTTOM OF ROOF DECK ELEVATION	VARIES
LEVEL 4	FINISHED FLOOR ELEVATION	48'-0"
LEVEL 3	FINISHED FLOOR ELEVATION	32'-0"
LEVEL 2	FINISHED FLOOR ELEVATION	16'-0"
LEVEL 1	FINISHED FLOOR ELEVATION	0'-0"



KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

STEWART

101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202

T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #S25065

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

NORTH CAROLINA PROFESSIONAL SEAL 041315 ENGINEER PETRINA A. AGNELLO

02/06/2026

PRINCIPAL IN CHARGE: PAA
PROJECT ENGINEER: KAB
DRAWN BY: DB

SHEET TITLE:

LEVEL 3 FRAMING PLAN - AREA A

SHEET NO. S131A

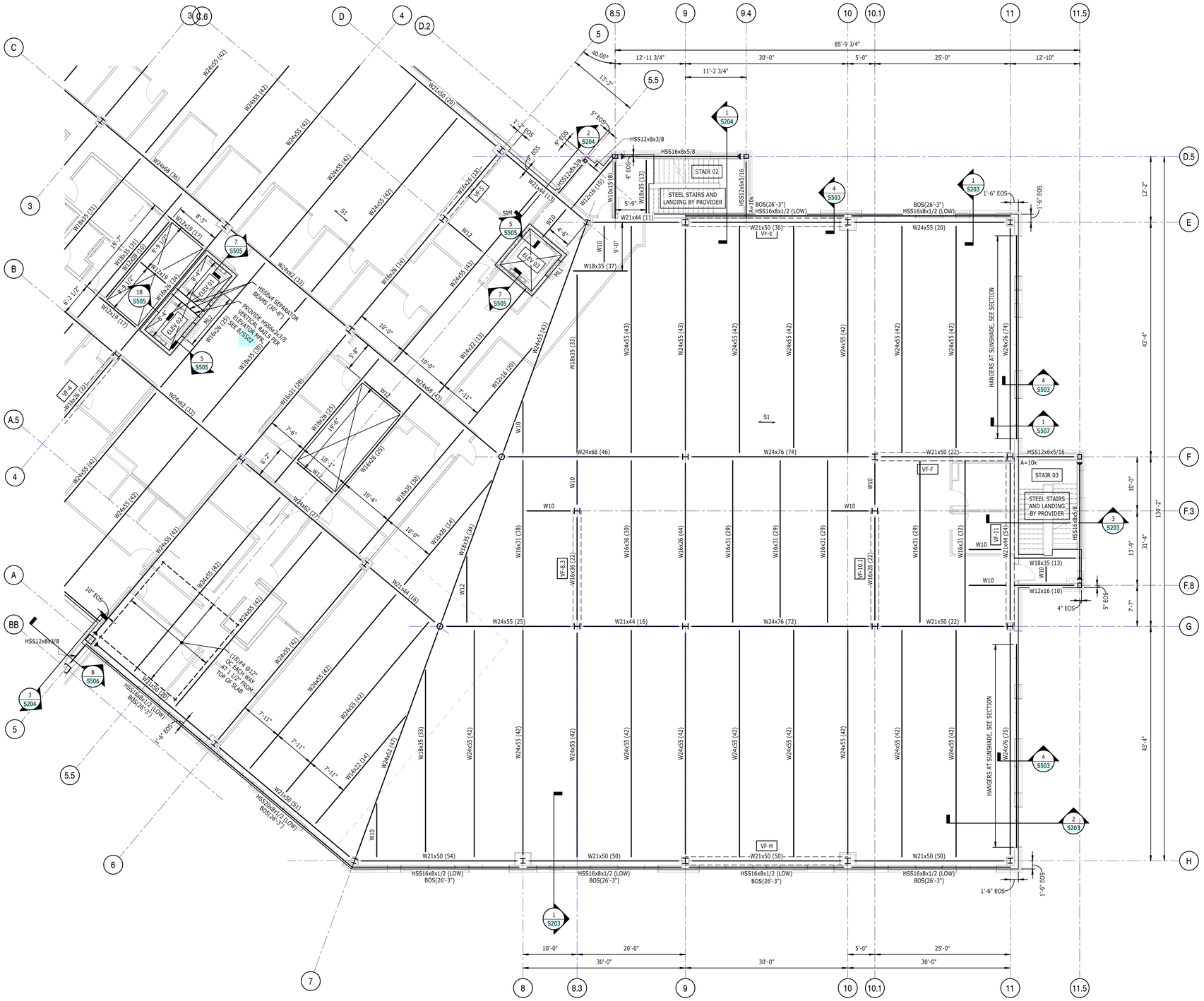
PROJ. NO. 024370.01

1 S131B LEVEL 3 FRAMING PLAN - AREA B

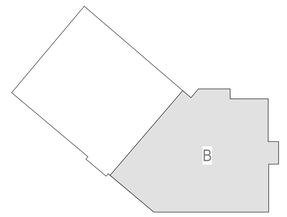
1/8" = 1'-0"

FLOOR FRAMING PLAN NOTES:
1. SEE S001 AND S002 FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOL LEGEND.
2. SEE S502, S503, AND S504 FOR TYPICAL SLAB CONSTRUCTION DETAILS.
3. SEE S501 FOR STEEL COLUMN SCHEDULE.

BUILDING ELEVATION TABLE		
LEVEL 1 ELEVATION = 41.0', UNO, VERIFY W/ CIVIL (REFERENCE ELEVATION 0'-0")		
LEVEL	**TARGET**	**ELEVATION ABOVE REFERENCE ELEVATION**
ROOF	BOTTOM OF ROOF DECK ELEVATION	VARIES
LEVEL 4	FINISHED FLOOR ELEVATION	48'-0"
LEVEL 3	FINISHED FLOOR ELEVATION	32'-0"
LEVEL 2	FINISHED FLOOR ELEVATION	16'-0"
LEVEL 1	FINISHED FLOOR ELEVATION	0'-0"



KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

STEWART
101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202
T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #525065

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:

NO.	DATE	DESCRIPTION

NORTH CAROLINA PROFESSIONAL SEAL 041315 ENGINEER PETRINA A. AGNELLO
02/06/2026

PRINCIPAL IN CHARGE: PAA
PROJECT ENGINEER: KAB
DRAWN BY: DB

SHEET TITLE:
LEVEL 3 FRAMING PLAN - AREA B

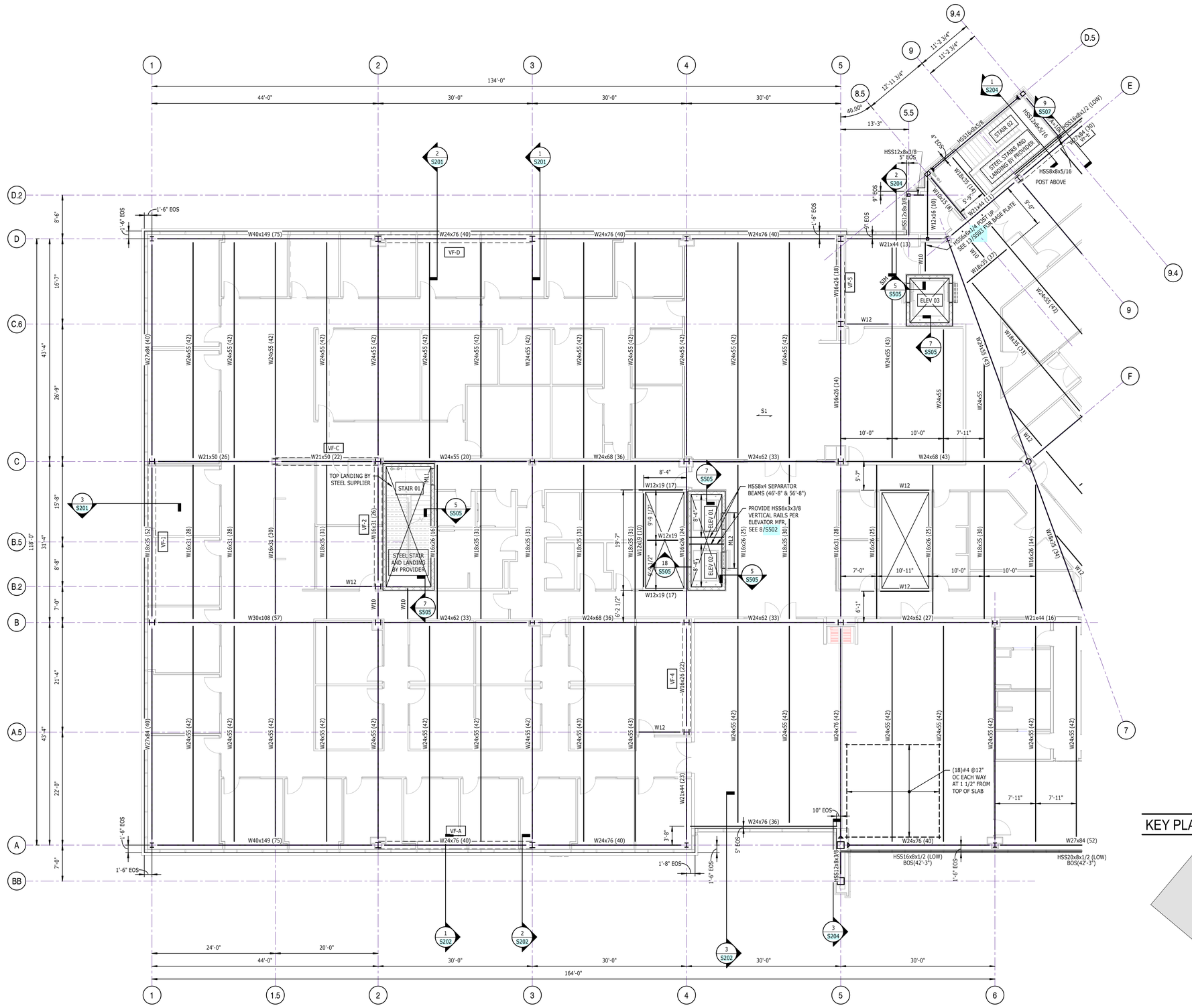
SHEET NO. S131B
PROJ. NO. 024370.01

1 S141A LEVEL 4 FRAMING PLAN - AREA A

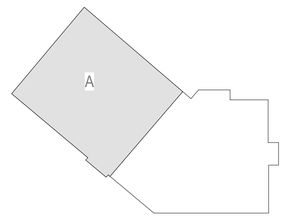
1/8" = 1'-0"

FLOOR FRAMING PLAN NOTES:
1. SEE S001 AND S002 FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOL LEGEND.
2. SEE S502, S503, AND S504 FOR TYPICAL SLAB CONSTRUCTION DETAILS.
3. SEE S501 FOR STEEL COLUMN SCHEDULE.

BUILDING ELEVATION TABLE		
LEVEL 1 ELEVATION = 41.0', UNO, VERIFY W/ CIVIL (REFERENCE ELEVATION 0'-0")		
LEVEL	**TARGET**	**ELEVATION ABOVE REFERENCE ELEVATION**
ROOF	BOTTOM OF ROOF DECK ELEVATION	VARIES
LEVEL 4	FINISHED FLOOR ELEVATION	48'-0"
LEVEL 3	FINISHED FLOOR ELEVATION	32'-0"
LEVEL 2	FINISHED FLOOR ELEVATION	16'-0"
LEVEL 1	FINISHED FLOOR ELEVATION	0'-0"



KEY PLAN



PROJECT NORTH

ALL DRAWINGS, SPECIFICATIONS AND CONCEPTS THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY IN CONNECTION WITH THE PROJECT AND SET TO BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. © COPYRIGHT 2025 MCMILLAN PAZDAN SMITH ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

STEWART
101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202
T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #525065

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 041315 RETHINA A. AGNELLO

02/06/2026

PRINCIPAL IN CHARGE: PAA
PROJECT ENGINEER: KAB
DRAWN BY: DB

SHEET TITLE:
LEVEL 4 FRAMING PLAN - AREA A

SHEET NO. S141A

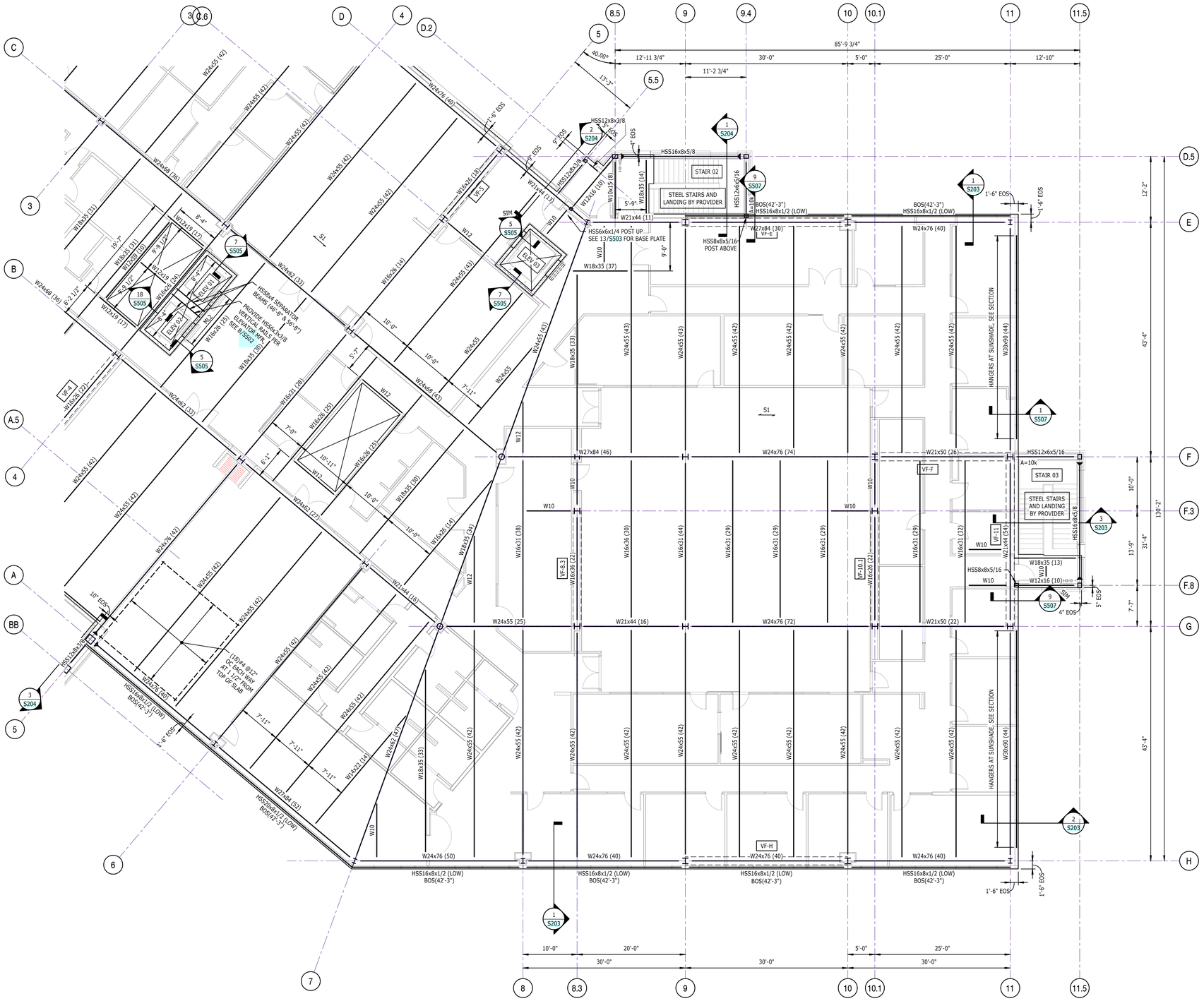
PROJ. NO. 024370.01

1 S141B LEVEL 4 FRAMING PLAN - AREA B

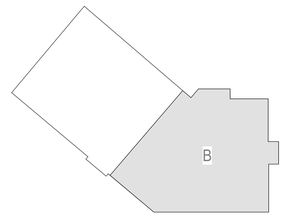
1/8" = 1'-0"

FLOOR FRAMING PLAN NOTES:
1. SEE S001 AND S002 FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOL LEGEND.
2. SEE S502, S503, AND S504 FOR TYPICAL SLAB CONSTRUCTION DETAILS.
3. SEE S501 FOR STEEL COLUMN SCHEDULE.

BUILDING ELEVATION TABLE		
LEVEL 1 ELEVATION = 41.0', UNO, VERIFY W/ CIVIL (REFERENCE ELEVATION 0'-0")		
LEVEL	**TARGET**	**ELEVATION ABOVE REFERENCE ELEVATION**
ROOF	BOTTOM OF ROOF DECK ELEVATION	VARIES
LEVEL 4	FINISHED FLOOR ELEVATION	48'-0"
LEVEL 3	FINISHED FLOOR ELEVATION	32'-0"
LEVEL 2	FINISHED FLOOR ELEVATION	16'-0"
LEVEL 1	FINISHED FLOOR ELEVATION	0'-0"



KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

STEWART
101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202
T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #525065

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 041315 PETRINA A. MONELLO

02/06/2026

PRINCIPAL IN CHARGE: PAA
PROJECT ENGINEER: KAB
DRAWN BY: DB

SHEET TITLE:
LEVEL 4 FRAMING PLAN - AREA B

SHEET NO. S141B

PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE ON REQUEST AT THE COMPLETION OF THE PROJECT. THEY ARE NOT TO BE CHANGED OR ALTERED IN ANY WAY, NOR ARE THEY TO BE ASSIGNED OR LOANED TO ANY THIRD PARTY FOR USE ON THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

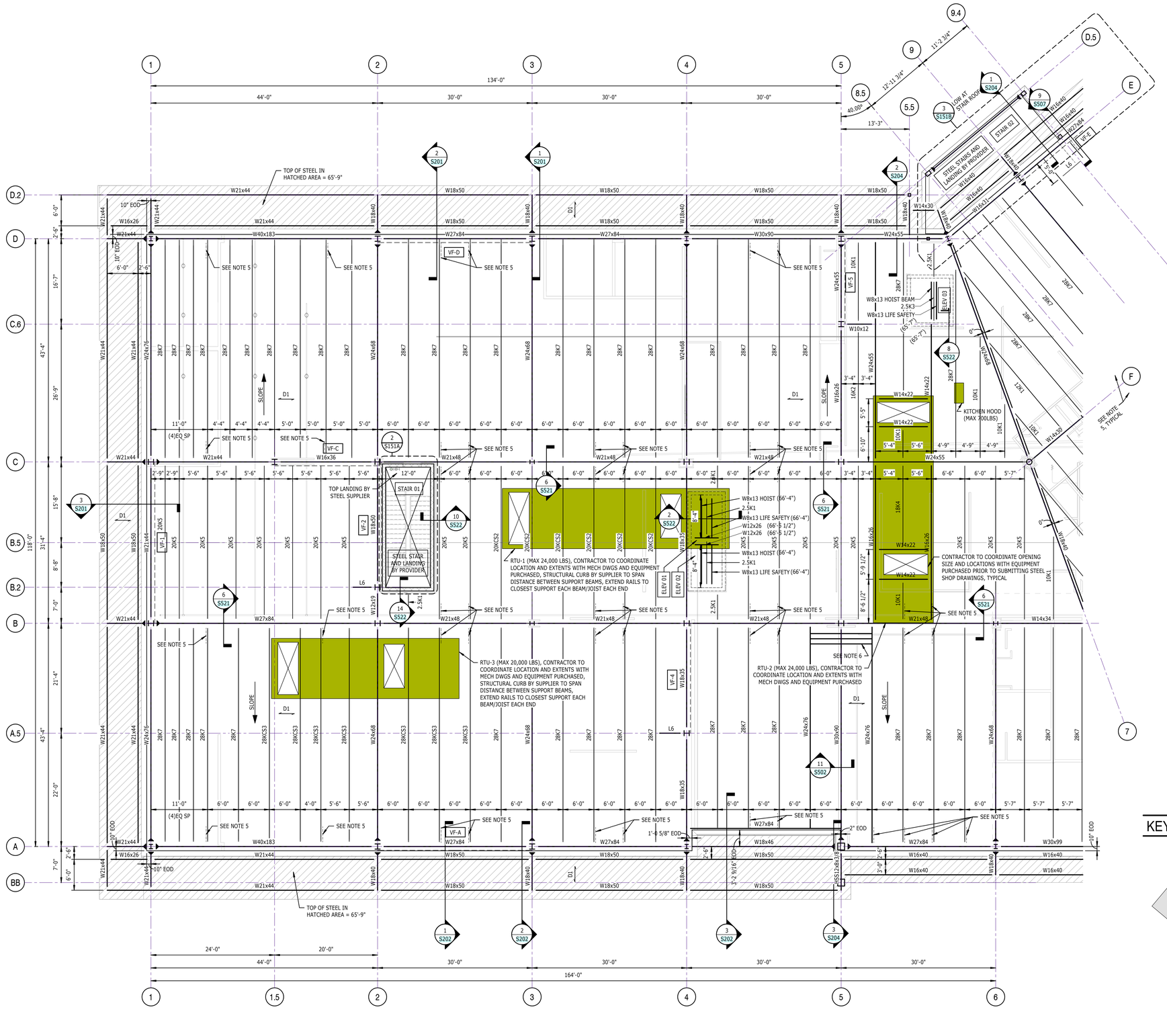
1 S151A ROOF FRAMING PLAN - AREA A

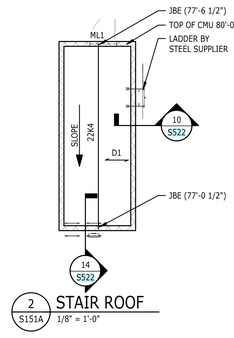
1/8" = 1'-0"

ROOF FRAMING PLAN NOTES:

1. SEE S001 AND S002 FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOL LEGEND.
2. SEE S521 FOR TYPICAL STEEL ROOF FRAMING DETAILS.
3. SEE S501 FOR STEEL COLUMN SCHEDULE.
4. SEE ARCHITECTURAL DRAWINGS FOR ALL ROOF SLOPES.
5. DOUBLED LINES AT THE END OF JOISTS ARE BEAM BOTTOM FLANGE BRACES, SEE 16/S521.
6. HANGING PARTITION MAY REQUIRE ADDITIONAL STEEL SUPPORTS FOR STACKING. CONTRACTOR TO PROVIDE THREE (3)W16x26 FOR TRACK SUPPORTS.

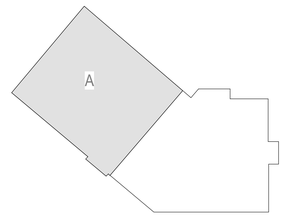
BUILDING ELEVATION TABLE		
LEVEL 1 ELEVATION = 41.0', UNO, VERIFY W/ CIVIL (REFERENCE ELEVATION 0'-0")		
LEVEL	**TARGET**	**ELEVATION ABOVE REFERENCE ELEVATION**
ROOF	BOTTOM OF ROOF DECK ELEVATION	VARIES
LEVEL 4	FINISHED FLOOR ELEVATION	48'-0"
LEVEL 3	FINISHED FLOOR ELEVATION	32'-0"
LEVEL 2	FINISHED FLOOR ELEVATION	16'-0"
LEVEL 1	FINISHED FLOOR ELEVATION	0'-0"





2 S151A STAIR ROOF
1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

STEWART
101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202
T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #525065

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE:	02/06/2026
PHASE:	PERMIT SET
SHEET ISSUE:	

NO. DATE DESCRIPTION

NORTH CAROLINA PROFESSIONAL SEAL 041315 ENGINEER FETTINNA A. AGMELO
02/06/2026

PRINCIPAL IN CHARGE:	PAA
PROJECT ENGINEER:	KAB
DRAWN BY:	DB

SHEET TITLE:

ROOF FRAMING PLAN - AREA A

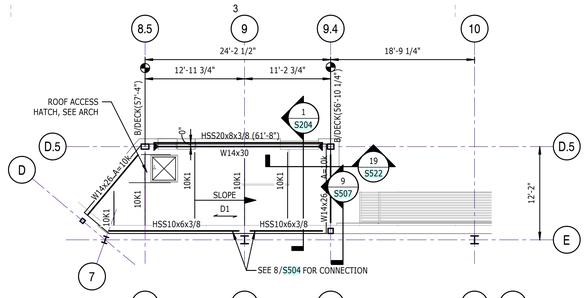
SHEET NO.	PROJ. NO.
	024370.01

S151A

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR STORED, ACCURATELY DUPLICATED BY MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

DEPOSIT: 9:18:24 PM Autodesk Docs://S151A BC Brunswick County Health & Human Services/S525065_BrunswickCounty_HHS_R25.rvt

3 S151B ENLARGED STAIR ROOF PLAN
1/8" = 1'-0"



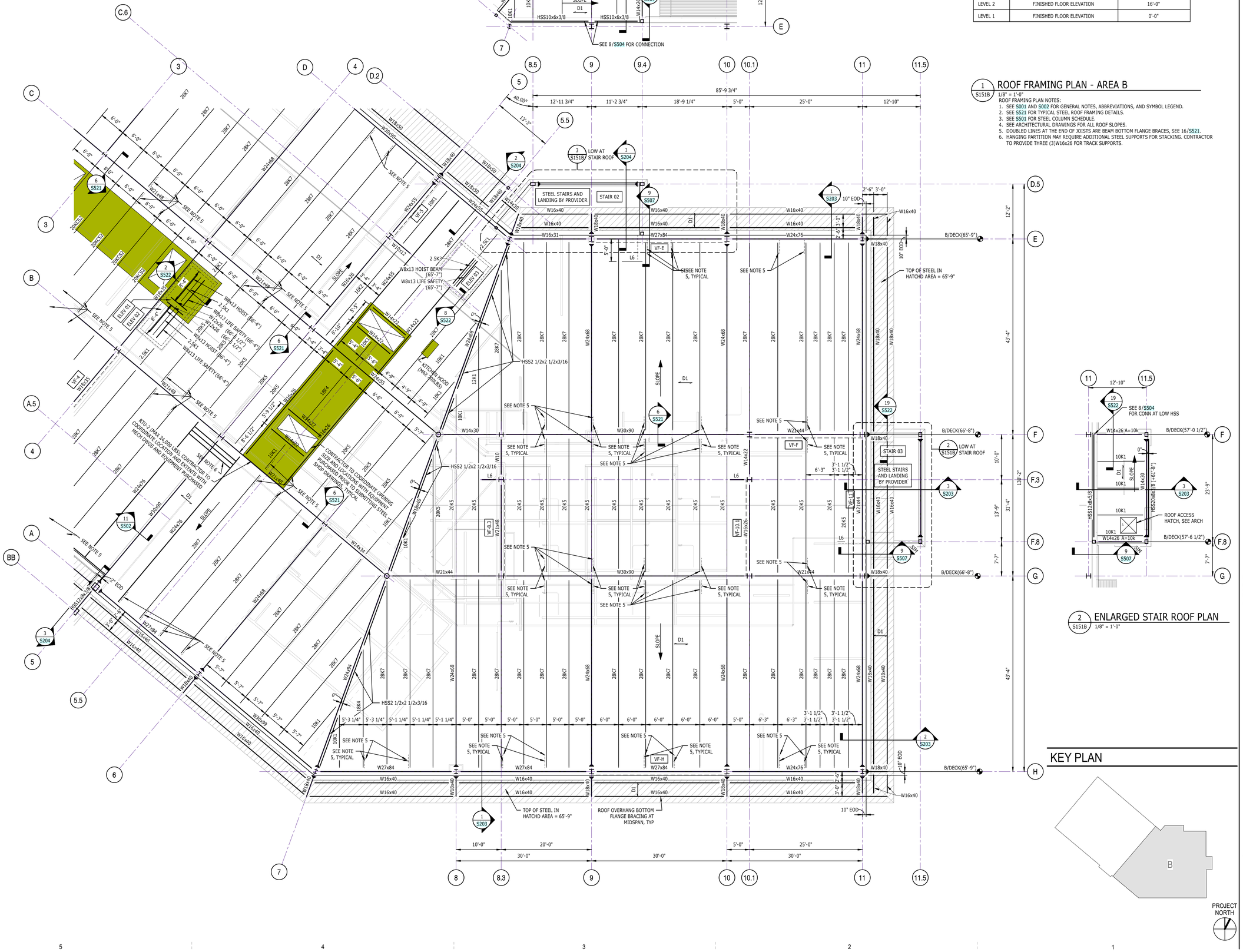
BUILDING ELEVATION TABLE

LEVEL 1 ELEVATION = 41.0', UNO, VERIFY W/ CIVIL (REFERENCE ELEVATION 0'-0")

LEVEL	TARGET	ELEVATION ABOVE REFERENCE ELEVATION
ROOF	BOTTOM OF ROOF DECK ELEVATION	VARIES
LEVEL 4	FINISHED FLOOR ELEVATION	48'-0"
LEVEL 3	FINISHED FLOOR ELEVATION	32'-0"
LEVEL 2	FINISHED FLOOR ELEVATION	16'-0"
LEVEL 1	FINISHED FLOOR ELEVATION	0'-0"

1 S151B ROOF FRAMING PLAN - AREA B
1/8" = 1'-0"

ROOF FRAMING PLAN NOTES:
1. SEE S001 AND S002 FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOL LEGEND.
2. SEE S521 FOR TYPICAL STEEL ROOF FRAMING DETAILS.
3. SEE S501 FOR STEEL COLUMN SCHEDULE.
4. SEE ARCHITECTURAL DRAWINGS FOR ALL ROOF SLOPES.
5. DOUBLED LINES AT THE END OF JOISTS ARE BEAM BOTTOM FLANGE BRACES, SEE 16/S521.
6. HANGING PARTITION MAY REQUIRE ADDITIONAL STEEL SUPPORTS FOR STACKING. CONTRACTOR TO PROVIDE THREE (3)W16x26 FOR TRACK SUPPORTS.



2 S151B ENLARGED STAIR ROOF PLAN
1/8" = 1'-0"

KEY PLAN

PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

STEWART
101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202
T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #525065

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 041315 PETRINA A. NOMELLO
02/06/2026

PRINCIPAL IN CHARGE: PAA
PROJECT ENGINEER: KAB
DRAWN BY: DB

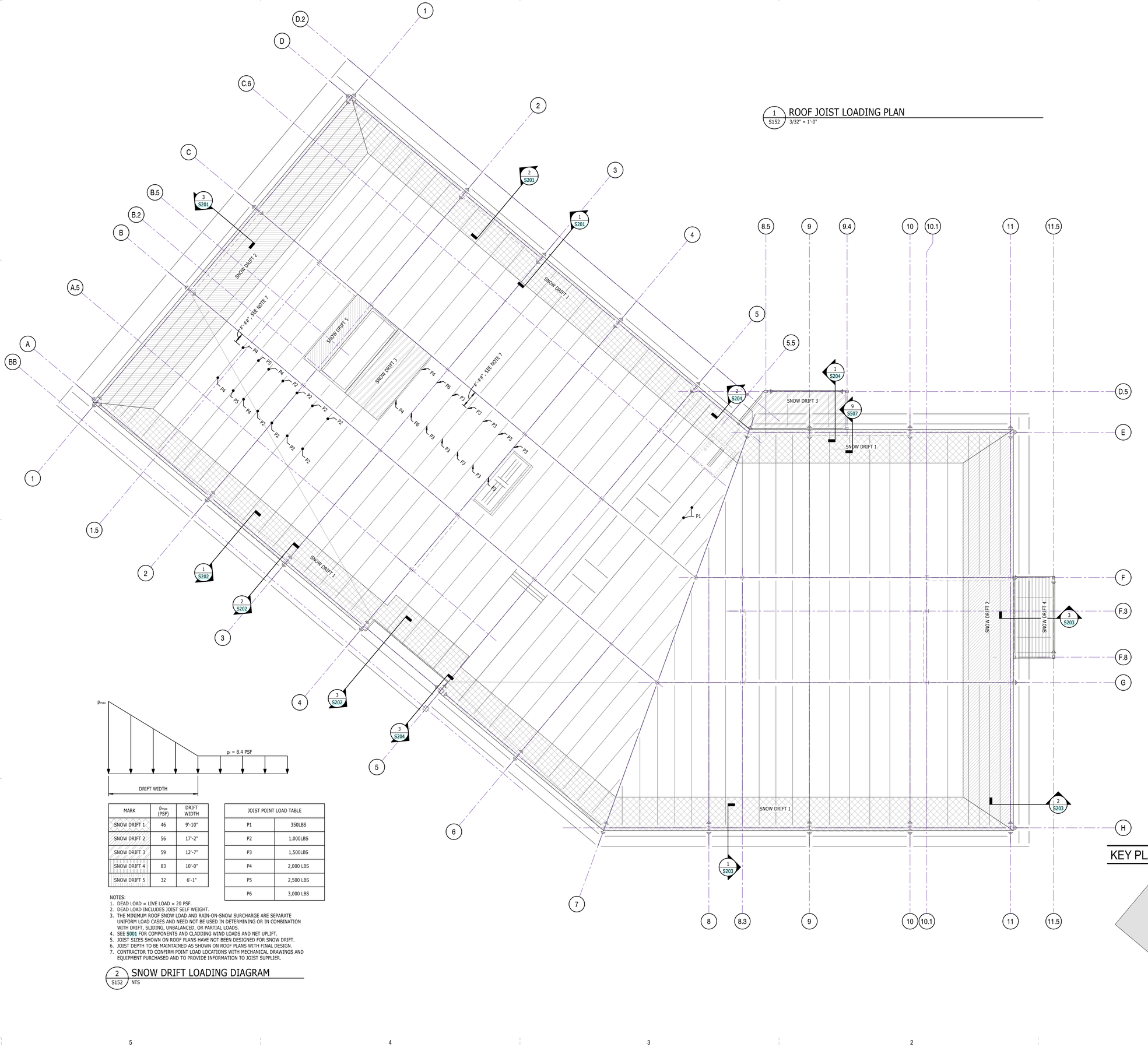
SHEET TITLE:
ROOF FRAMING PLAN - AREA B

SHEET NO. S151B
PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE ARE NOT TO BE USED ON ANY PROJECT OTHER THAN THE PROJECT, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE ARE NOT TO BE LOANED OR COPIED IN ANY FORM OR MANNER WHATSOEVER NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT FIRST OBTAINING THE WRITTEN CONSENT AND APPROVAL OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ALL TITLES, STATUTORY AND COMMON LAW RIGHTS INCLUDING COPYRIGHT, PROPERTY AND EDITION RIGHTS ARE RESERVED TO MCMILLAN PAZDAN SMITH ARCHITECTURE. ANY REPRODUCTION OR USE OF THESE DRAWINGS AND SPECIFICATIONS, IN WHOLE OR IN PART, WITHOUT THE WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE FOR EACH SPECIFIC USE IS PROHIBITED AND WILL BE ENFORCED AGAINST TO THE FULLEST EXTENT OF THE LAW. VISUAL CONTACT WITH THESE DRAWINGS AND SPECIFICATIONS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.

PLOTTED: 1:58:41 PM Architect Docs:PROJECTS @ Brunswick County Health & Human Services\S152_@ BrunswickCounty_R25.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SURRENDERED ON REQUEST AT THE COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH.
ALL RIGHTS RESERVED

1 S152 ROOF JOIST LOADING PLAN
3/32" = 1'-0"



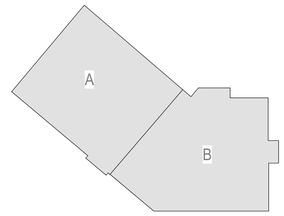
MARK	p_{max} (PSF)	DRIFT WIDTH
SNOW DRIFT 1	46	9'-10"
SNOW DRIFT 2	56	17'-2"
SNOW DRIFT 3	59	12'-7"
SNOW DRIFT 4	83	10'-0"
SNOW DRIFT 5	32	6'-1"

JOIST POINT LOAD TABLE	
P1	350LBS
P2	1,000LBS
P3	1,500LBS
P4	2,000 LBS
P5	2,500 LBS
P6	3,000 LBS

NOTES:
1. DEAD LOAD = LIVE LOAD = 20 PSF.
2. DEAD LOAD INCLUDES JOIST SELF WEIGHT.
3. THE MINIMUM ROOF SNOW LOAD AND RAIN-ON-SNOW SURCHARGE ARE SEPARATE UNIFORM LOAD CASES AND NEED NOT BE USED IN DETERMINING OR IN COMBINATION WITH DRIFT, SLIDING, UNBALANCED, OR PARTIAL LOADS.
4. SEE S001 FOR COMPONENTS AND CLADDING WIND LOADS AND NET UPLIFT.
5. JOIST SIZES SHOWN ON ROOF PLANS HAVE NOT BEEN DESIGNED FOR SNOW DRIFT.
6. JOIST DEPTH TO BE MAINTAINED AS SHOWN ON ROOF PLANS WITH FINAL DESIGN.
7. CONTRACTOR TO CONFIRM POINT LOAD LOCATIONS WITH MECHANICAL DRAWINGS AND EQUIPMENT PURCHASED AND TO PROVIDE INFORMATION TO JOIST SUPPLIER.

2 S152 SNOW DRIFT LOADING DIAGRAM
NTS

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith
ARCHITECTURE

EDIFICE CONSTRUCTION

STEWART
101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202
T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #525065

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE:	02/06/2026
PHASE:	PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 041315 PETRINA A. AGNELLO

02/06/2026

PRINCIPAL IN CHARGE:	PAA
PROJECT ENGINEER:	KAB
DRAWN BY:	DB

SHEET TITLE:

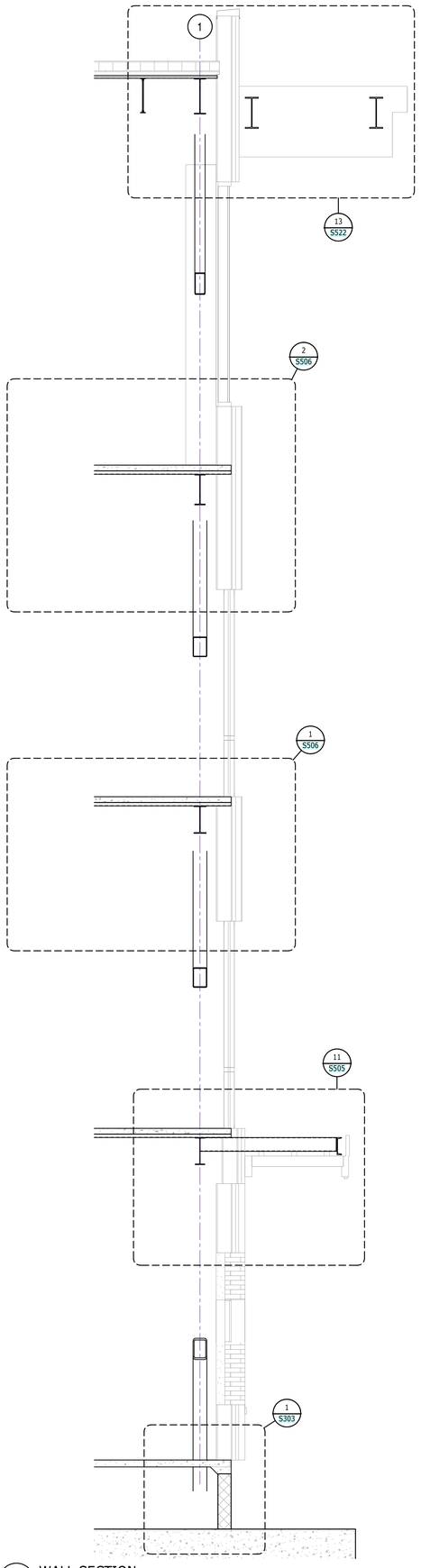
ROOF JOIST LOADING PLAN

SHEET NO. S152

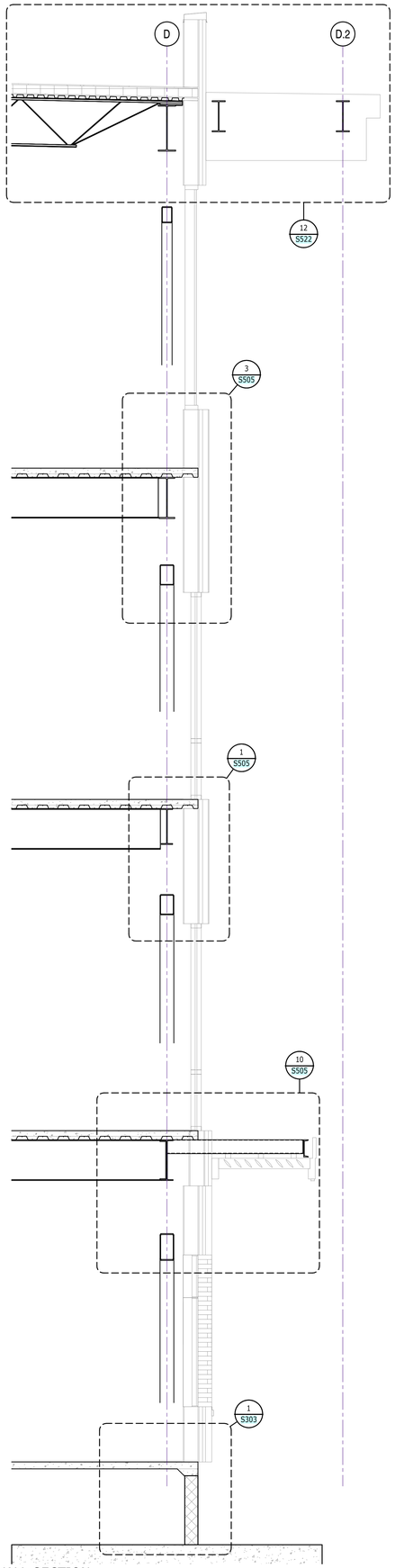
PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE SHALL NOT BE USED ON ANY PROJECT OTHER THAN THE PROJECT, AS TO WHICH THEY ARE SPECIFICALLY PREPARED, WITHOUT THE EXPRESS WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ANY UNAUTHORIZED USE OR DISCLOSURE OF THESE MATERIALS SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO MCMILLAN PAZDAN SMITH ARCHITECTURE. ANY USE OF THESE MATERIALS IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH.
ALL RIGHTS RESERVED

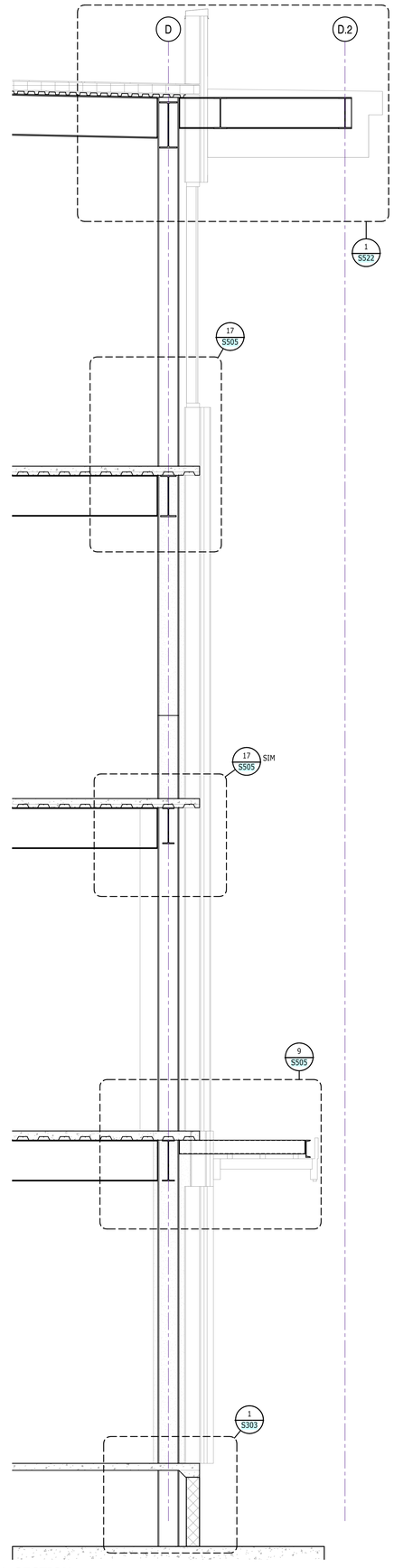
DATUM: 0.00 = 0' FF ... Autodesk Docs://2020.10 @ Brunswick County Health & Human Services/S505_@ BrunswickCounty_R23_v24.rvt
DIRECTORS: THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED



3 S201 WALL SECTION
3/8" = 1'-0"



2 S201 WALL SECTION
3/8" = 1'-0"



1 S201 WALL SECTION
3/8" = 1'-0"

mcmillan pazdan smith
ARCHITECTURE

EDIFICE
CONSTRUCTION

STEWART
101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202
T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #525065

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

NORTH CAROLINA PROFESSIONAL SEAL 041315 ENGINEER PETHINA A. AGNELLO

02/06/2026

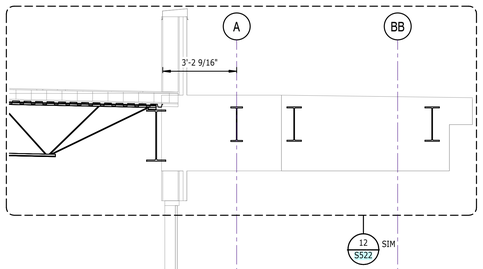
PRINCIPAL IN CHARGE: PAA
PROJECT ENGINEER: KAB
DRAWN BY: DB

SHEET TITLE:
WALL SECTIONS

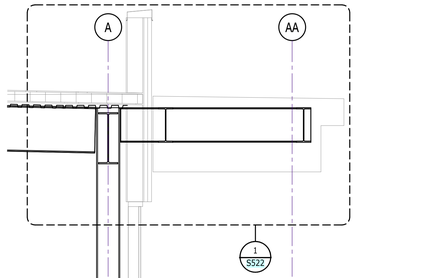
SHEET NO. S201
PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE DRAWINGS ARE TO BE USED ON AND WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR STORED, ACCOUNTED FOR, AT MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON A WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR STORED, ACCOUNTED FOR, AT MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH ARCHITECTURE
ALL RIGHTS RESERVED

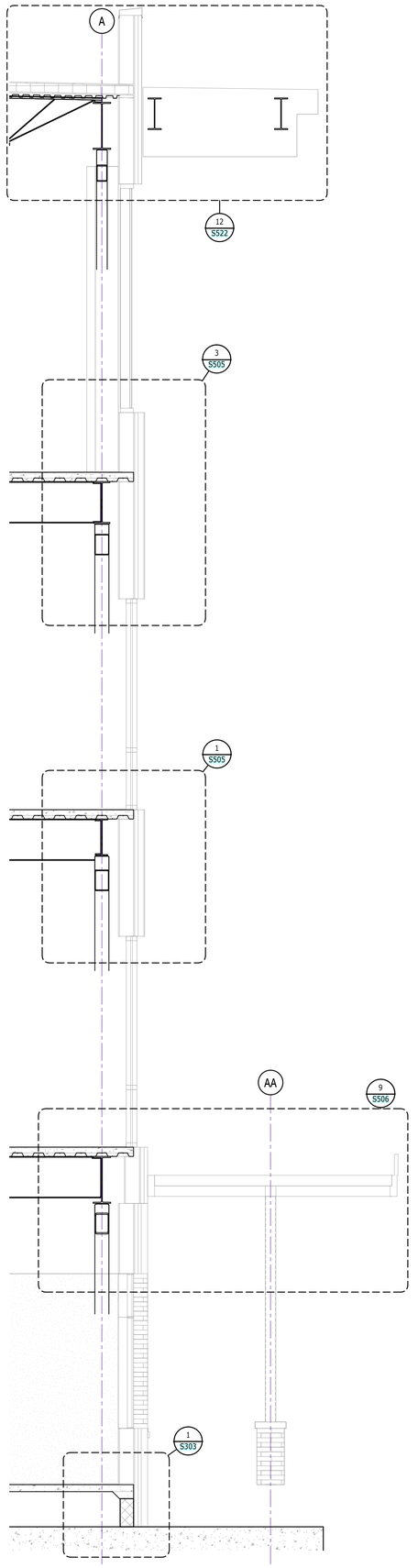
DATE/TIME: 1/30:49 PM Autodesk Docs://PROJECTS @ Brunswick County Health & Human Services/BSEMS_R Brunswick(BSEMS)_R23.rvt



3 S202 WALL SECTION
3/8" = 1'-0"



2 S202 WALL SECTION
3/8" = 1'-0"



1 S202 WALL SECTION
3/8" = 1'-0"

mcmillan pazdan smith
ARCHITECTURE

EDIFICE
CONSTRUCTION

STEWART
101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202
T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #525065

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:
NO. DATE DESCRIPTION

NORTH CAROLINA PROFESSIONAL SEAL 041315 ENGINEER PETRINA A. HONELLO

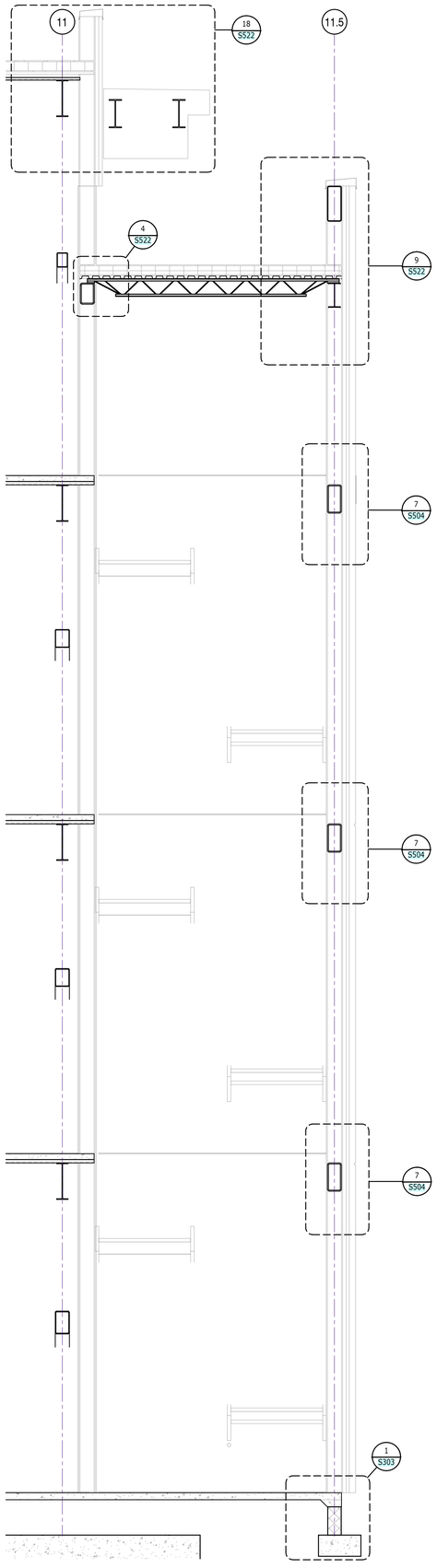
02/06/2026

PRINCIPAL IN CHARGE: PAA
PROJECT ENGINEER: KAB
DRAWN BY: DB

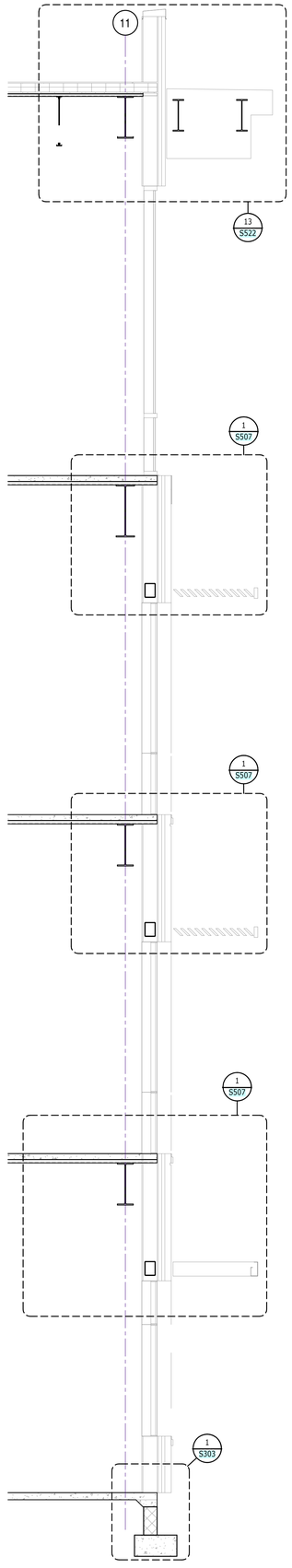
SHEET TITLE:
WALL SECTIONS

SHEET NO. S202
PROJ. NO. 024370.01

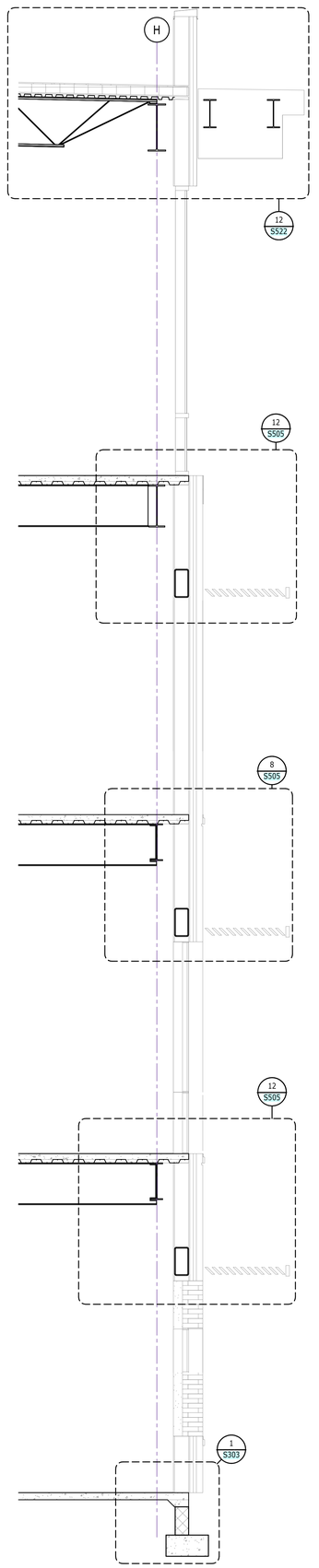
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON MPS PROJECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED



3 S203 WALL SECTION
3/8" = 1'-0"



2 S203 WALL SECTION
3/8" = 1'-0"



1 S203 WALL SECTION
3/8" = 1'-0"

mcmillan pazdan smith
ARCHITECTURE

EDIFICE CONSTRUCTION

STEWART
101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202
T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #525065

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

NORTH CAROLINA PROFESSIONAL SEAL 041315 ENGINEER PETHINA A. AGNELLO

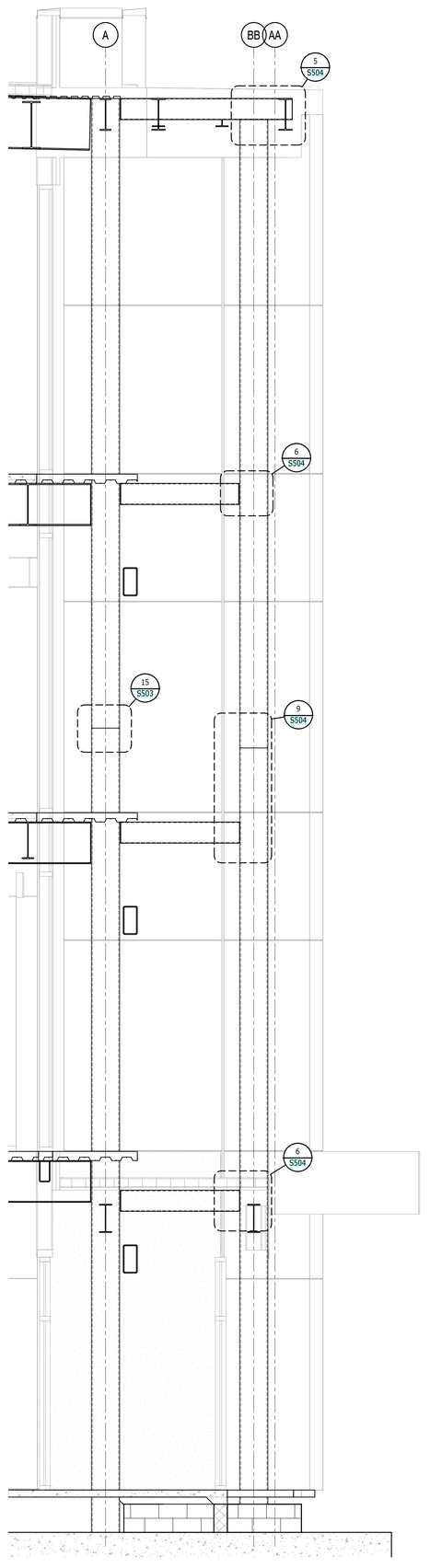
02/06/2026

PRINCIPAL IN CHARGE: PAA
PROJECT ENGINEER: KAB
DRAWN BY: DB

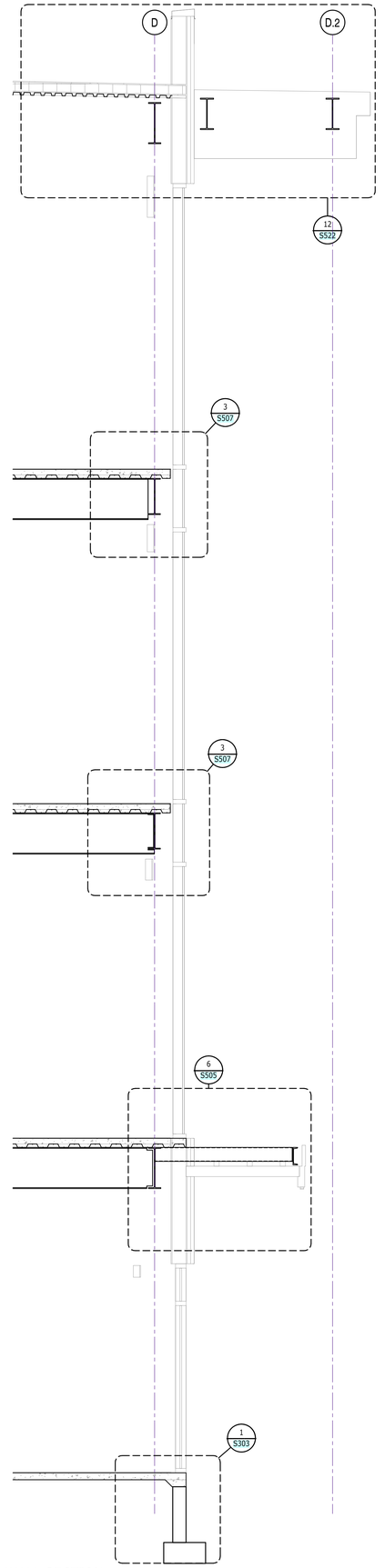
SHEET TITLE:
WALL SECTIONS

SHEET NO. S203
PROJ. NO. 024370.01

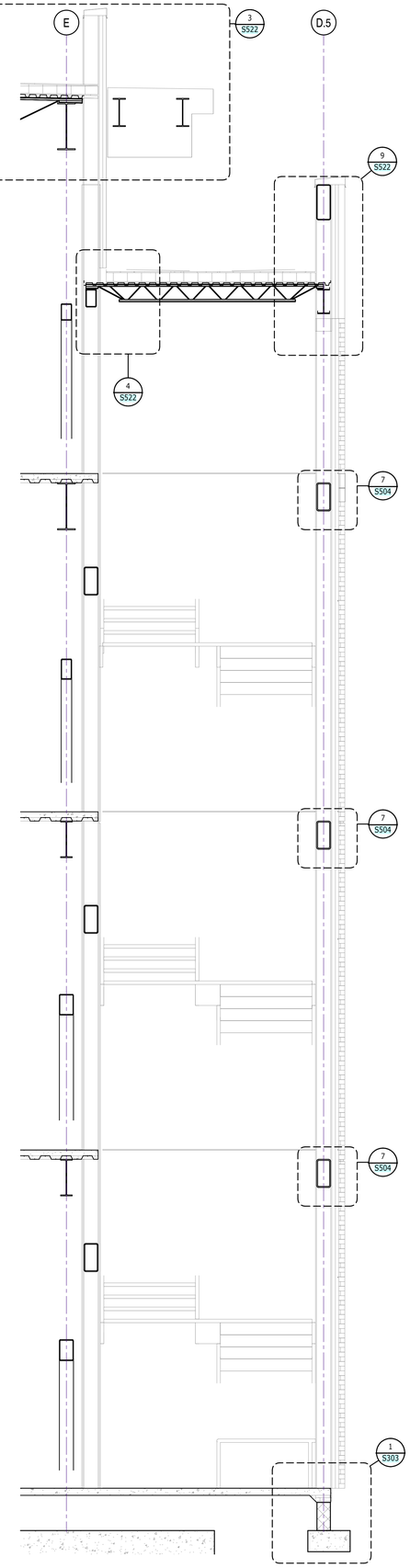
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON MPS PROJECT TO THIS PROJECT AND NOT TO BE USED FOR ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH ARCHITECTURE
ALL RIGHTS RESERVED



3 S204 WALL SECTION
3/8" = 1'-0"



2 S204 WALL SECTION
3/8" = 1'-0"



1 S204 WALL SECTION
3/8" = 1'-0"

mcmillan pazdan smith
ARCHITECTURE

EDIFICE
CONSTRUCTION

STEWART
101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202
T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #525065

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 041315 PETRINA A. AGNELLO

02/06/2026

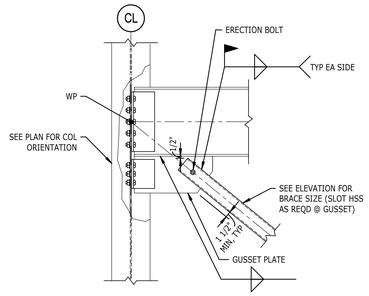
PRINCIPAL IN CHARGE: PAA
PROJECT ENGINEER: KAB
DRAWN BY: DB

SHEET TITLE:
WALL SECTIONS

SHEET NO. S204
PROJ. NO. 024370.01

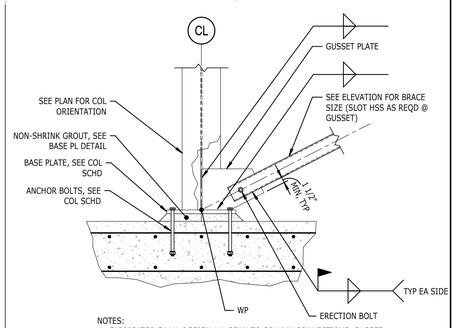
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE (MPS) AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON A WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MPS UPON COMPLETION OF THE PROJECT. ALL REPRODUCTIONS OF THESE DOCUMENTS, IN WHOLE OR IN PART, OR ANY USE OF THE DESIGNS AND IDEAS CONTAINED HEREIN, FOR ANY PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE, IS STRICTLY FORBIDDEN. VISUAL CONTACT WITH THESE DRAWINGS OR SPECIFICATIONS SHALL CONSTITUTE PRIMA FACIA EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

2/6/2026 11:28:58 PM Autodesk Docs://PROJECTS @ Brunswick County Health & Human Services/BCHHS_STRS_V23.rvt



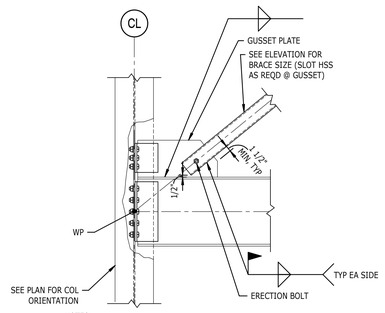
NOTES:
1. FABRICATOR SHALL DESIGN ALL BEAM TO COLUMN CONNECTIONS, GUSSET PLATES, AND WELDS WITHIN VERTICAL FRAME TO SUPPORT THE HORIZONTAL AND VERTICAL COMPONENTS OF THE BRACE FORCE PLUS THE BEAM REACTION SHOWN ON THE ELEVATION. ALLOWABLE STRESS INCREASES OR LOAD REDUCTIONS ARE NOT PERMITTED.

5 S251 TYPICAL BRACE CONNECTION AT BEAM
NTS



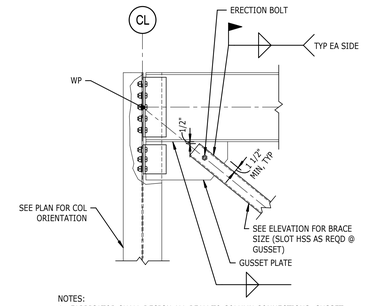
NOTES:
1. FABRICATOR SHALL DESIGN ALL BEAM TO COLUMN CONNECTIONS, GUSSET PLATES, AND WELDS WITHIN VERTICAL FRAME TO SUPPORT THE HORIZONTAL AND VERTICAL COMPONENTS OF THE BRACE FORCE PLUS THE BEAM REACTION SHOWN ON THE ELEVATION. ALLOWABLE STRESS INCREASES OR LOAD REDUCTIONS ARE NOT PERMITTED.

1 S251 TYPICAL BRACE CONNECTION AT BASE
NTS



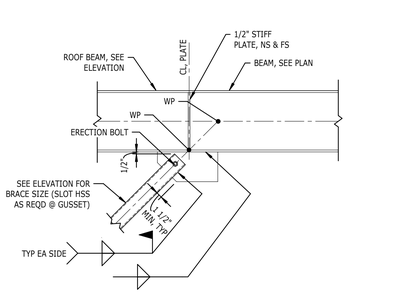
NOTES:
1. FABRICATOR SHALL DESIGN ALL BEAM TO COLUMN CONNECTIONS, GUSSET PLATES, AND WELDS WITHIN VERTICAL FRAME TO SUPPORT THE HORIZONTAL AND VERTICAL COMPONENTS OF THE BRACE FORCE PLUS THE BEAM REACTION SHOWN ON THE ELEVATION. ALLOWABLE STRESS INCREASES OR LOAD REDUCTIONS ARE NOT PERMITTED.

6 S251 TYPICAL BRACE CONNECTION AT BEAM
NTS



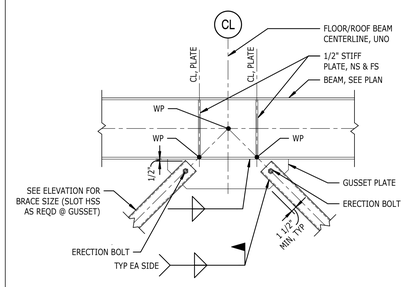
NOTES:
1. FABRICATOR SHALL DESIGN ALL BEAM TO COLUMN CONNECTIONS, GUSSET PLATES, AND WELDS WITHIN VERTICAL FRAME TO SUPPORT THE HORIZONTAL AND VERTICAL COMPONENTS OF THE BRACE FORCE PLUS THE BEAM REACTION SHOWN ON THE ELEVATION. ALLOWABLE STRESS INCREASES OR LOAD REDUCTIONS ARE NOT PERMITTED.

2 S251 TYPICAL BRACE CONNECTION AT BEAM
NTS



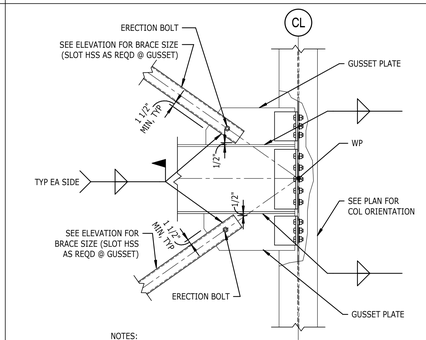
NOTES:
1. FABRICATOR SHALL DESIGN ALL BEAM TO COLUMN CONNECTIONS, GUSSET PLATES, AND WELDS WITHIN VERTICAL FRAME TO SUPPORT THE HORIZONTAL AND VERTICAL COMPONENTS OF THE BRACE FORCE PLUS THE BEAM REACTION SHOWN ON THE ELEVATION. ALLOWABLE STRESS INCREASES OR LOAD REDUCTIONS ARE NOT PERMITTED.
2. "WP" INDICATES WORK POINT FOR MEMBER CENTROIDS.

7 S251 TYPICAL BRACE CONNECTION AT BEAM
NTS



NOTES:
1. FABRICATOR SHALL DESIGN ALL BEAM TO COLUMN CONNECTIONS, GUSSET PLATES, AND WELDS WITHIN VERTICAL FRAME TO SUPPORT THE HORIZONTAL AND VERTICAL COMPONENTS OF THE BRACE FORCE PLUS THE BEAM REACTION SHOWN ON THE ELEVATION. ALLOWABLE STRESS INCREASES OR LOAD REDUCTIONS ARE NOT PERMITTED.
2. "WP" INDICATES WORK POINT FOR MEMBER CENTROIDS.

3 S251 TYPICAL BRACE CONNECTION AT BEAM
NTS



NOTES:
1. FABRICATOR SHALL DESIGN ALL BEAM TO COLUMN CONNECTIONS, GUSSET PLATES, AND WELDS WITHIN VERTICAL FRAME TO SUPPORT THE HORIZONTAL AND VERTICAL COMPONENTS OF THE BRACE FORCE PLUS THE BEAM REACTION SHOWN ON THE ELEVATION. ALLOWABLE STRESS INCREASES OR LOAD REDUCTIONS ARE NOT PERMITTED.

4 S251 TYPICAL BRACE CONNECTION AT BEAM
NTS

mcmillan pazdan smith ARCHITECTURE
EDIFICE CONSTRUCTION
STEWART
101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202
T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #525065

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 041315 PETRINA A. MONELLO

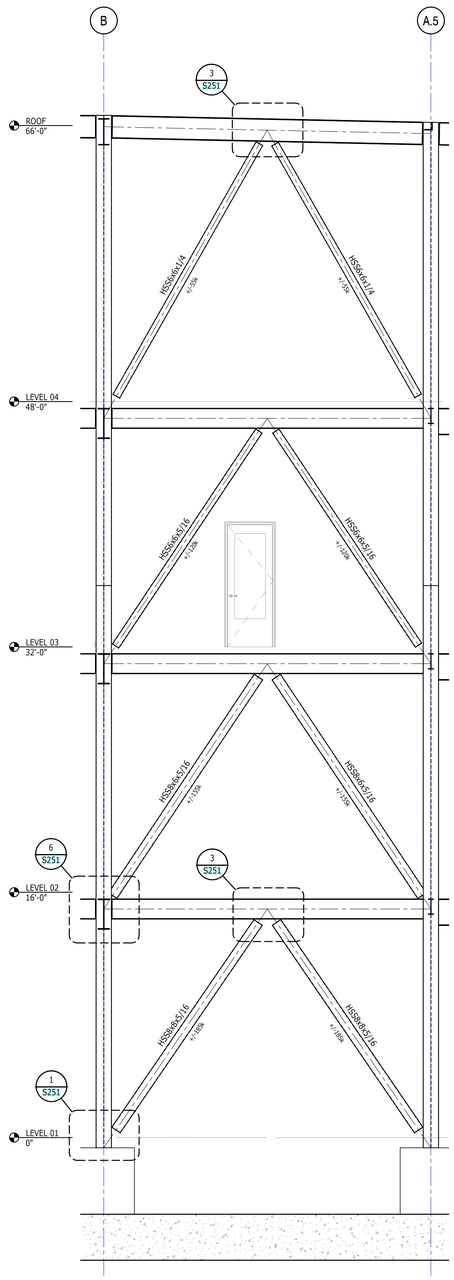
02/06/2026

PRINCIPAL IN CHARGE: PAA
PROJECT ENGINEER: KAB
DRAWN BY: DB

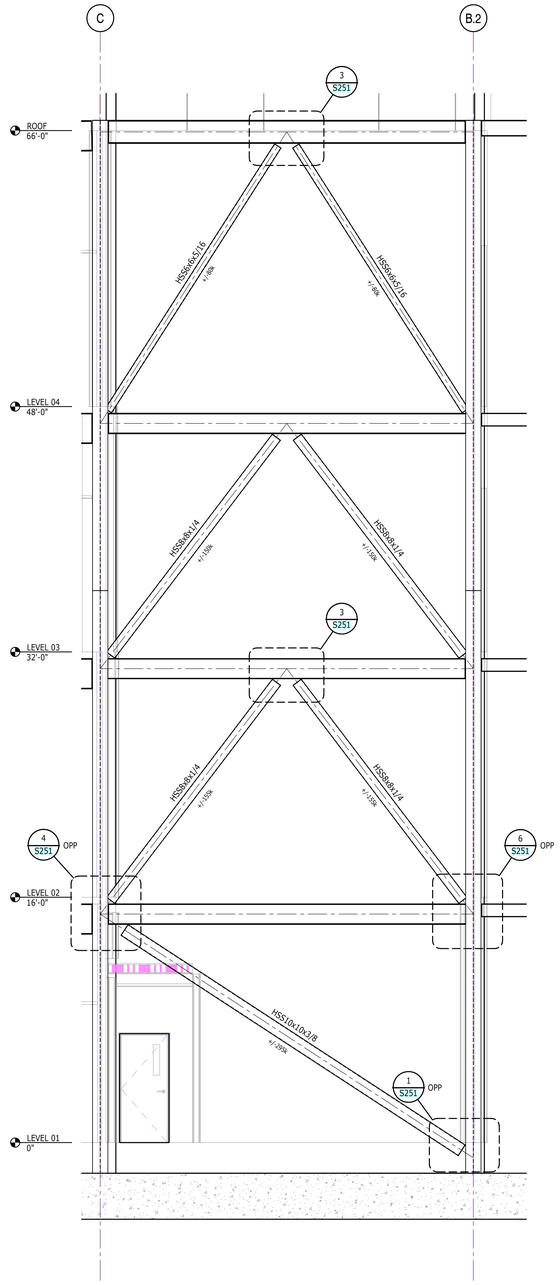
SHEET TITLE:
VERTICAL FRAME DETAILS

SHEET NO. S251
PROJ. NO. 024370.01

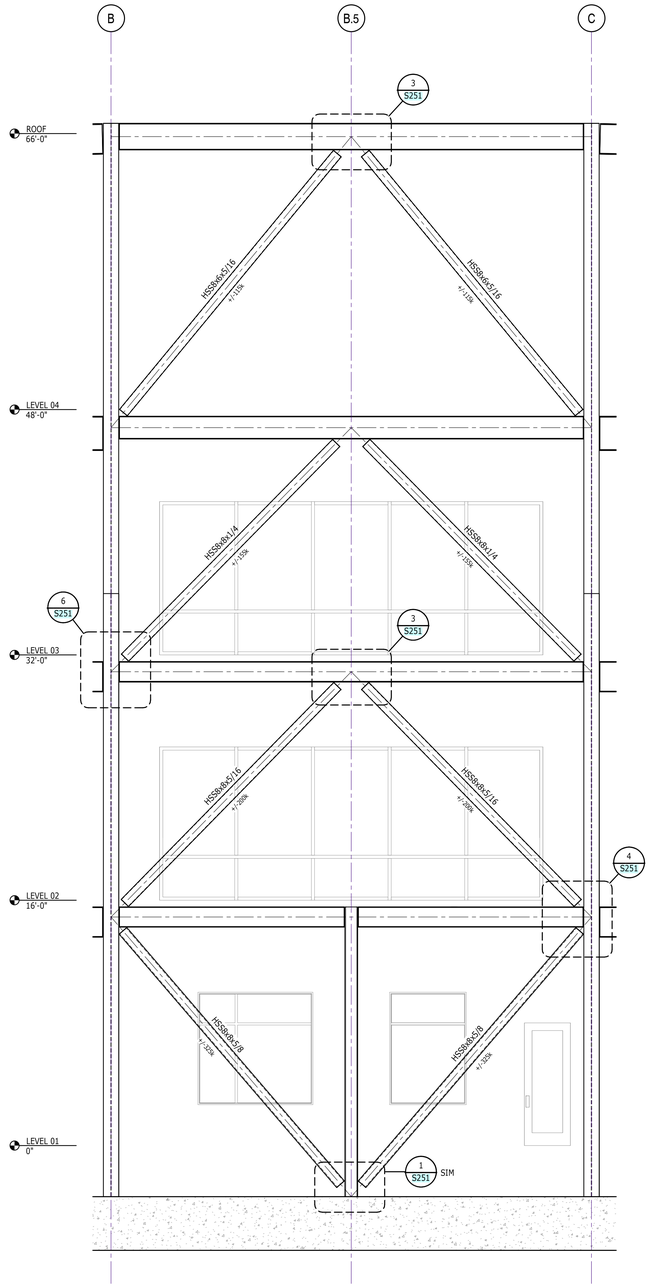
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON MPS PROJECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED



VF-4



VF-2



VF-1

NOTES:
1. NOTES SHALL APPLY TO ALL VERTICAL FRAMES ON ALL SHEETS.
2. CENTROIDS OF MEMBERS SHALL COINCIDE, UNO.
3. FABRICATOR SHALL DESIGN ALL BEAM TO COLUMN CONNECTIONS WITHIN VERTICAL FRAME TO SUPPORT THE HORIZONTAL AND VERTICAL COMPONENTS OF THE BRACE FORCE PLUS THE BEAM REACTION SHOWN ON THE ELEVATION. ALLOWABLE STRESS INCREASES OR LOAD REDUCTIONS ARE NOT PERMITTED.
4. STEEL FRAMING DESIGN END REACTIONS ARE SHOWN ON ELEVATION AS "V#" FOR VERTICAL SHEAR, "+A#" FOR AXIAL TENSION, AND "-A#" FOR AXIAL COMPRESSION. "TF#" INDICATES AXIAL TRANSFER FORCE FROM ADJACENT BEAM. ALL LOADS ARE FACTORED FOR STRENGTH DESIGN IN UNITS OF KIP AND KIP-FT. ALL LOADS SHALL BE CONSIDERED REVERSIBLE, UNO.
5. STEEL IN VERTICAL FRAMES THAT ARE EXPOSED (COLUMNS, BEAM, BRACE, GUSSET ETC.) TO BE AESS LEVEL 02.

1 S252 VERTICAL FRAME ELEVATIONS
1/4" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

STEWART
101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202
T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #525065

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

NORTH CAROLINA PROFESSIONAL SEAL 041315 ENGINEER PETRINA A. AGNELLO

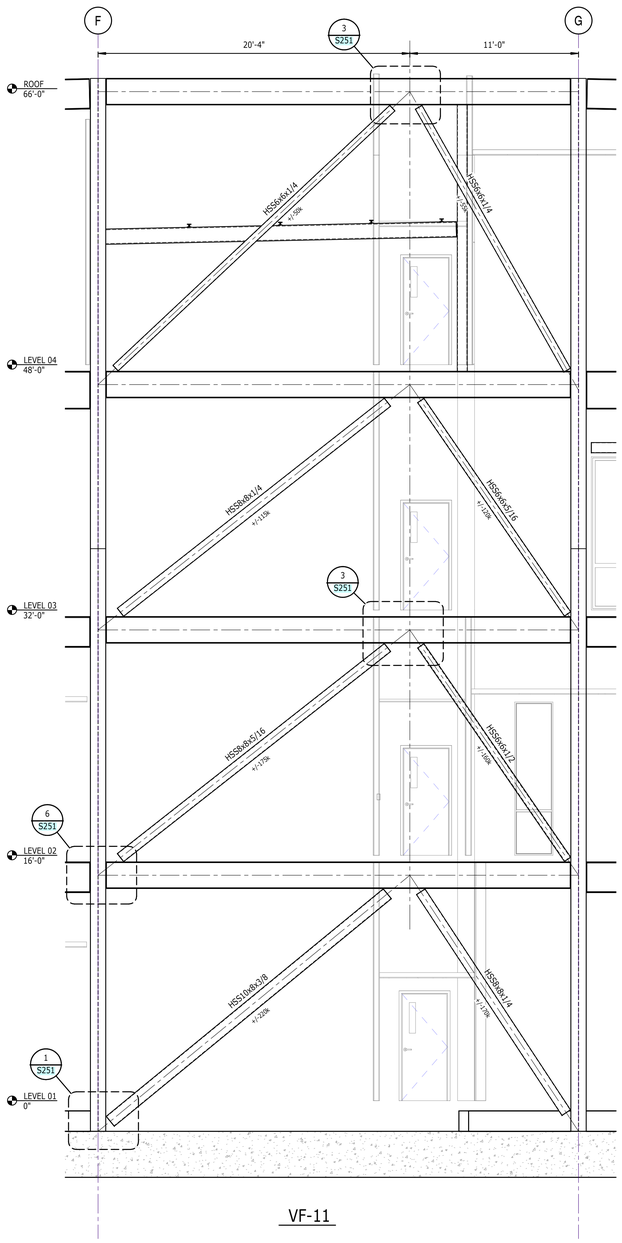
02/06/2026

PRINCIPAL IN CHARGE: PAA
PROJECT ENGINEER: KAB
DRAWN BY: DB

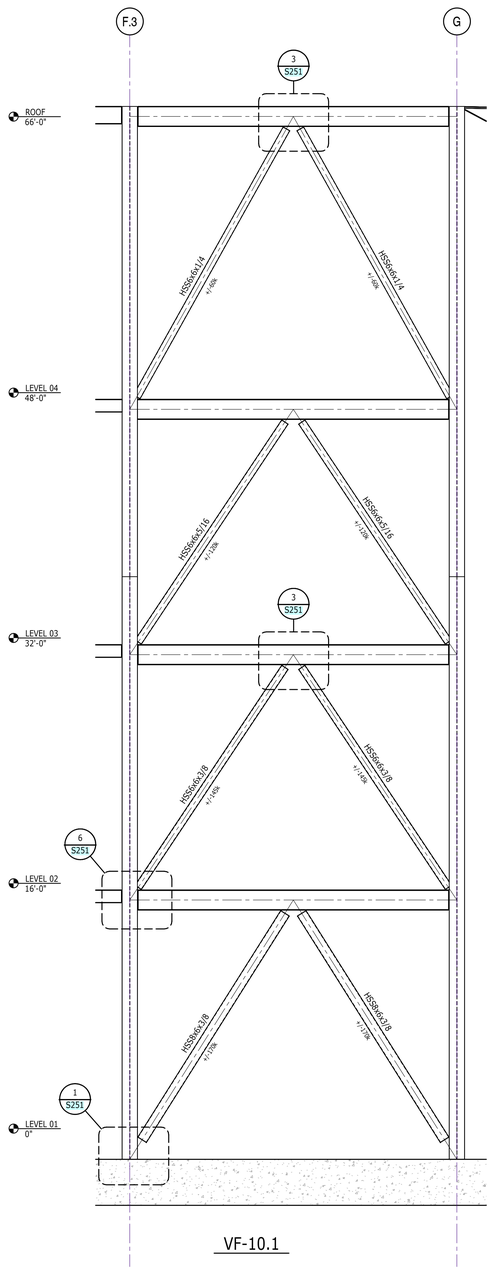
SHEET TITLE:
VERTICAL FRAME ELEVATIONS

SHEET NO. S252
PROJ. NO. 024370.01

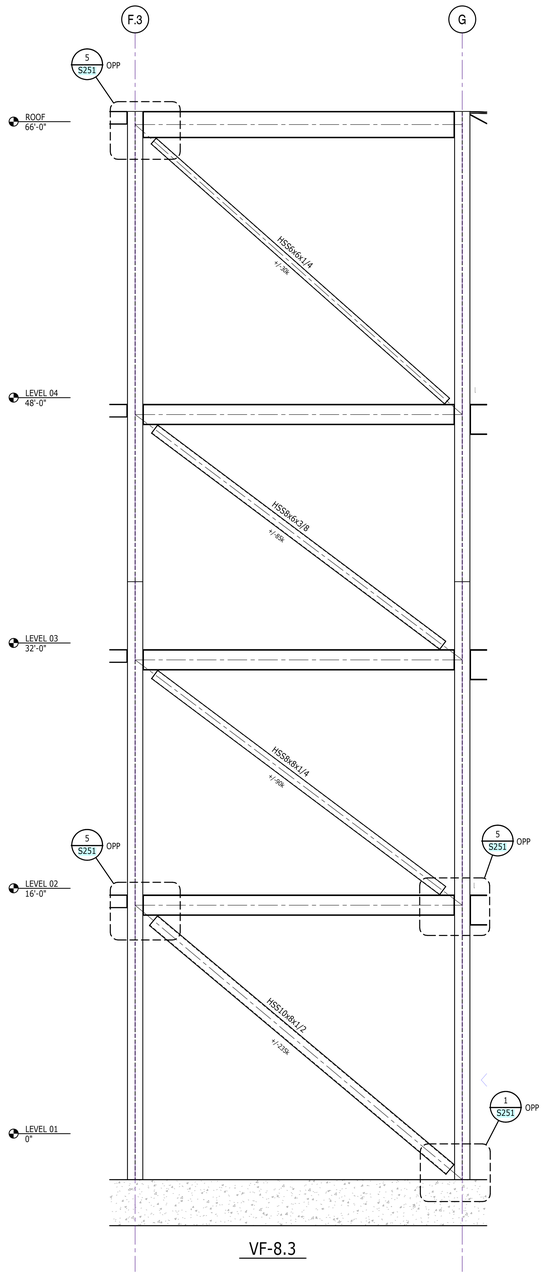
2/6/2026 12:10:31 PM - Autodesk Docs://2025 ID Brunswick County Health & Human Services/S253_BrunswickCounty_Health & Human Services_2025.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND ARE NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATELY, DESTROYED AT THE COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH.
ALL RIGHTS RESERVED



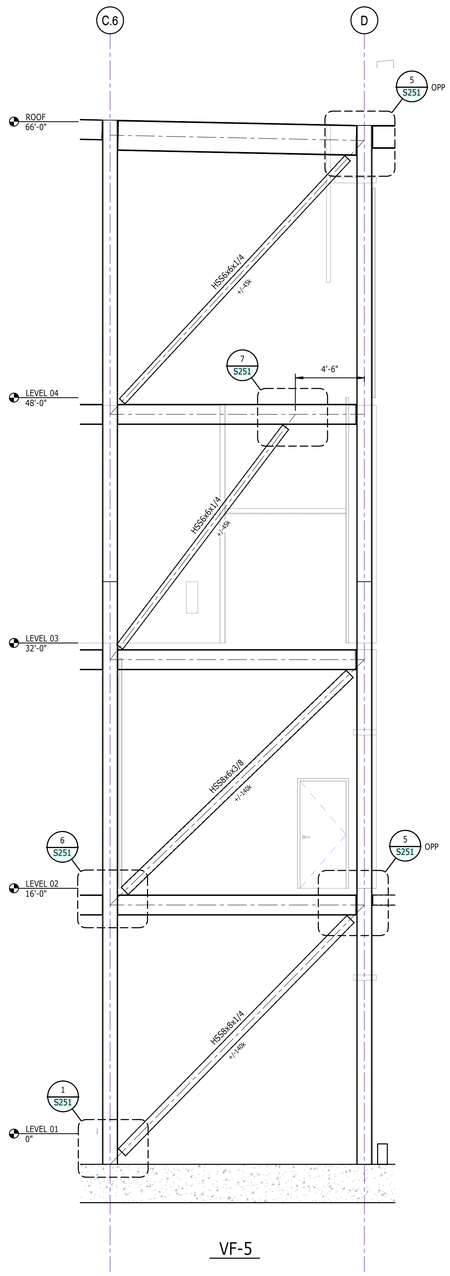
VF-11



VF-10.1



VF-8.3



VF-5

NOTES:
1. NOTES SHALL APPLY TO ALL VERTICAL FRAMES ON ALL SHEETS.
2. CENTROIDS OF MEMBERS SHALL COINCIDE, UNO.
3. FABRICATOR SHALL DESIGN ALL BEAM TO COLUMN CONNECTIONS WITHIN VERTICAL FRAME TO SUPPORT THE HORIZONTAL AND VERTICAL COMPONENTS OF THE BRACE FORCE PLUS THE BEAM REACTION SHOWN ON THE ELEVATION. ALLOWABLE STRESS INCREASES OR LOAD REDUCTIONS ARE NOT PERMITTED.
4. STEEL FRAMING DESIGN END REACTIONS ARE SHOWN ON ELEVATION AS "V#" FOR VERTICAL SHEAR, "+A#" FOR AXIAL TENSION, AND "-A#" FOR AXIAL COMPRESSION. "T#" INDICATES AXIAL TRANSFER FORCE FROM ADJACENT BEAM. ALL LOADS ARE FACTORED FOR STRENGTH DESIGN IN UNITS OF KIP AND KIP-FT. ALL LOADS SHALL BE CONSIDERED REVERSIBLE, UNO.
5. STEEL IN VERTICAL FRAMES THAT ARE EXPOSED (COLUMNS, BEAM, BRACE, GUSSETT ETC.) TO BE AESS LEVEL 02.

2 S253 VERTICAL FRAME ELEVATIONS
1/4" = 1'-0"

mcmillan pazdan smith
ARCHITECTURE

EDIFICE CONSTRUCTION

STEWART
101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202
T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #525065

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

NORTH CAROLINA PROFESSIONAL SEAL 041315 ENGINEER PETRINA A. AGNELLO

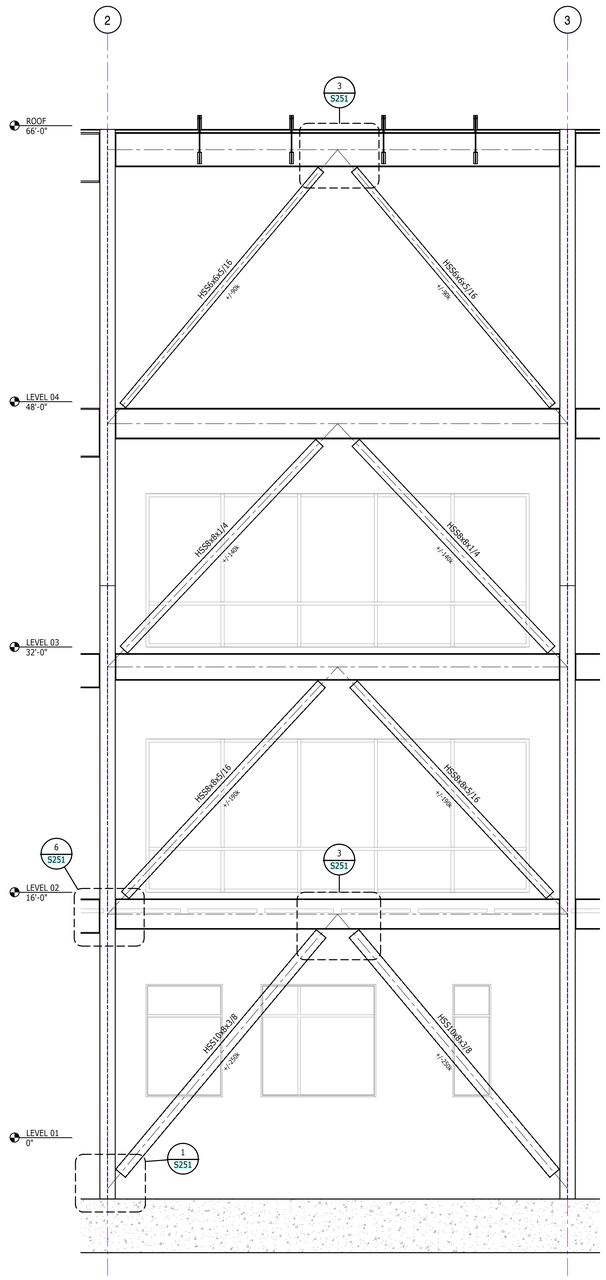
02/06/2026

PRINCIPAL IN CHARGE: PAA
PROJECT ENGINEER: KAB
DRAWN BY: DB

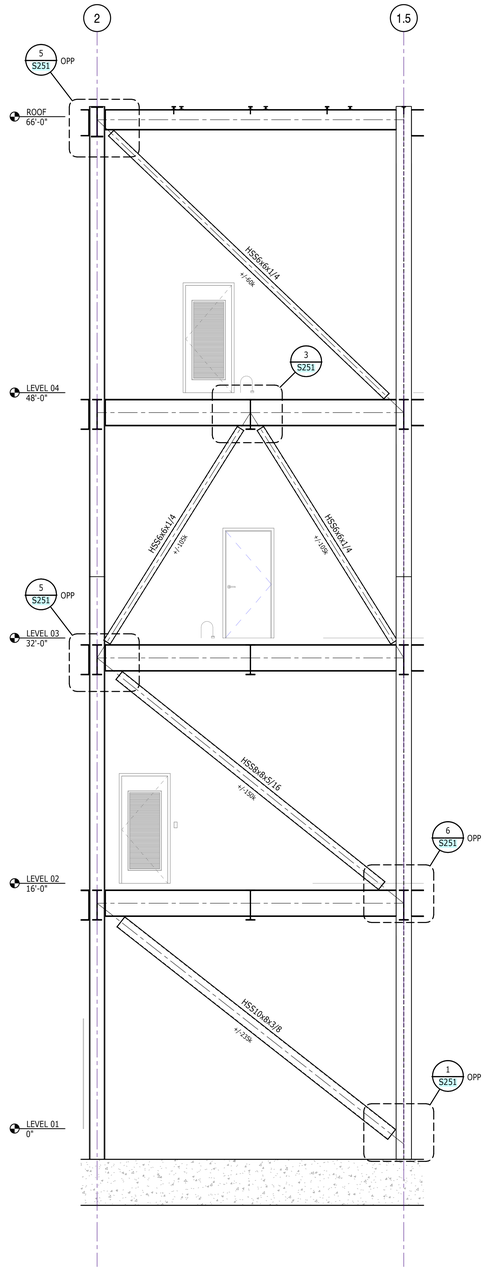
SHEET TITLE:

VERTICAL FRAME ELEVATIONS

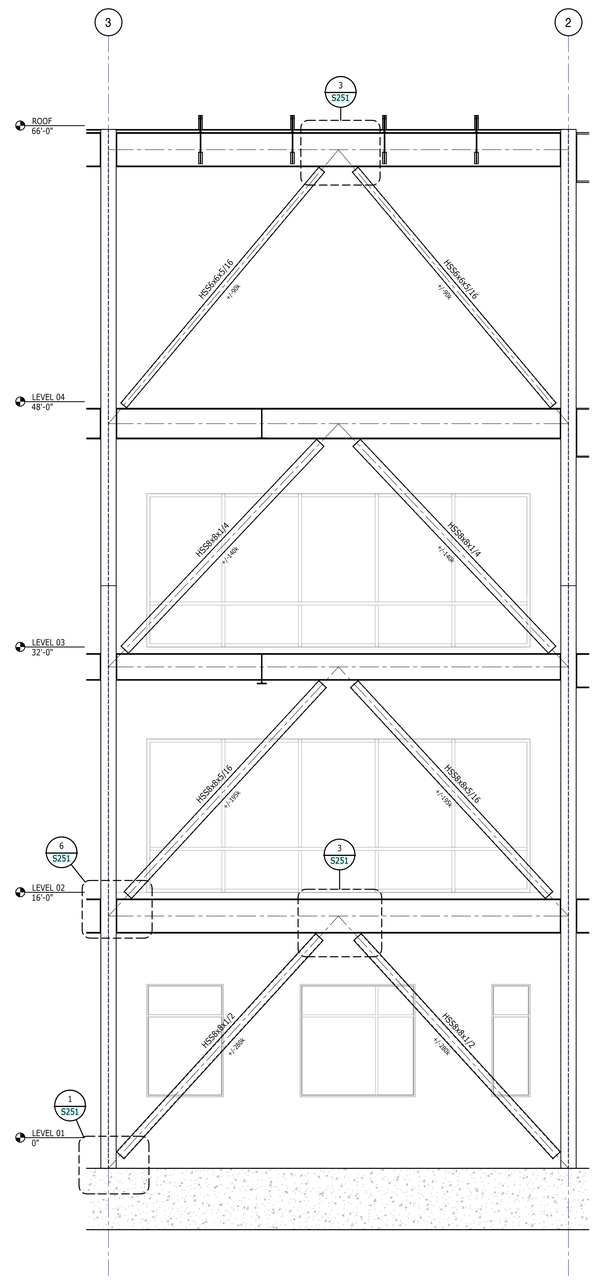
SHEET NO. S253
PROJ. NO. 024370.01



VF-D



VF-C



VF-A

NOTES:
1. NOTES SHALL APPLY TO ALL VERTICAL FRAMES ON ALL SHEETS.
2. CENTROIDS OF MEMBERS SHALL COINCIDE, UNO.
3. FABRICATOR SHALL DESIGN ALL BEAM TO COLUMN CONNECTIONS WITHIN VERTICAL FRAME TO SUPPORT THE HORIZONTAL AND VERTICAL COMPONENTS OF THE BRACE FORCE PLUS THE BEAM REACTION SHOWN ON THE ELEVATION. ALLOWABLE STRESS INCREASES OR LOAD REDUCTIONS ARE NOT PERMITTED.
4. STEEL FRAMING DESIGN END REACTIONS ARE SHOWN ON ELEVATION AS "V#" FOR VERTICAL SHEAR, "+A#" FOR AXIAL TENSION, AND "-A#" FOR AXIAL COMPRESSION. "TF#" INDICATES AXIAL TRANSFER FORCE FROM ADJACENT BEAM. ALL LOADS ARE FACTORED FOR STRENGTH DESIGN IN UNITS OF KIP AND KIP-FT. ALL LOADS SHALL BE CONSIDERED REVERSIBLE, UNO.
5. STEEL IN VERTICAL FRAMES THAT ARE EXPOSED (COLUMNS, BEAM, BRACE, GUSSETT ETC.) TO BE AESS LEVEL 02.

4 S254 VERTICAL FRAME ELEVATIONS
1/4" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

STEWART
101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202
T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #525065

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE:	02/06/2026
PHASE:	PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

NORTH CAROLINA PROFESSIONAL SEAL 041315 ENGINEER PETRINA A. AGNELLO
02/06/2026

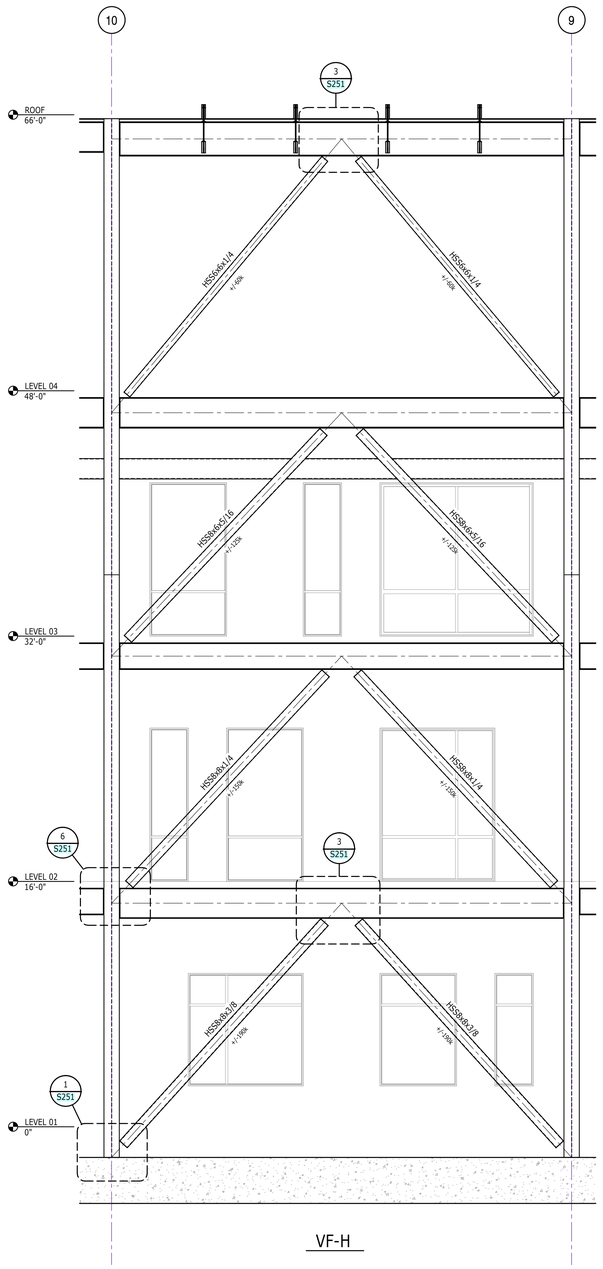
PRINCIPAL IN CHARGE:	PAA
PROJECT ENGINEER:	KAB
DRAWN BY:	DB

SHEET TITLE:
VERTICAL FRAME ELEVATIONS

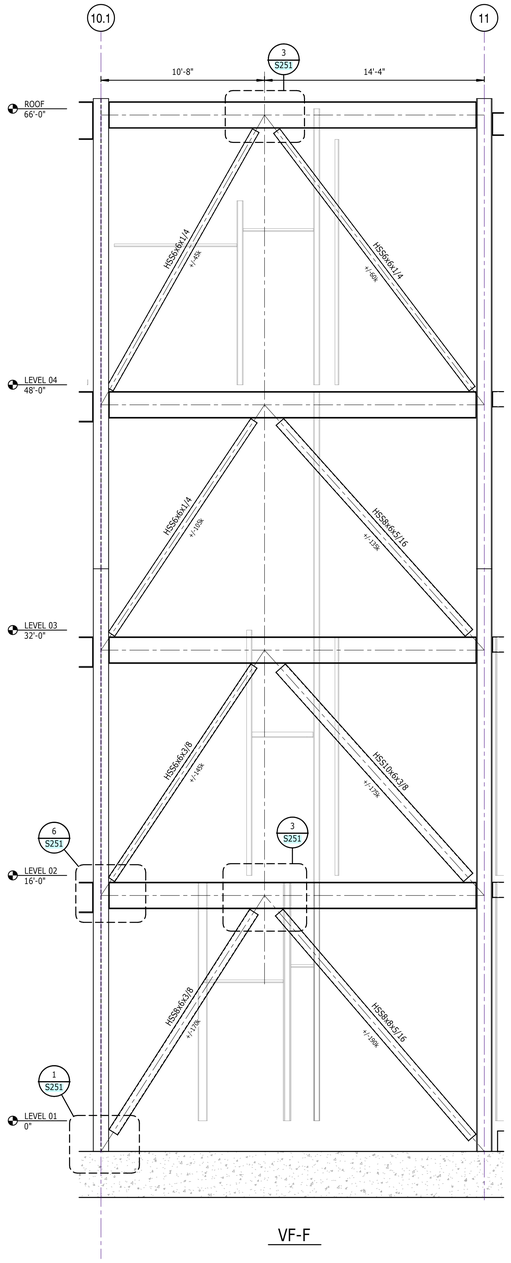
SHEET NO. S254
PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON MPS PROJECT TO THIS PROJECT AND SET TO BE USED FOR ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY DESTROYED AT THE END OF THE PROJECT. ALL REPRODUCTIONS, COPIES OR ADAPTATIONS MADE IN FURTHERANCE OF THE EXCEPTIONS WITH THE PROJECT, OR WITH THE PROJECT, ARE TO BE MADE ONLY WITH PRIOR WRITTEN PERMISSION OF MCMILLAN PAZDAN SMITH ARCHITECTURE. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

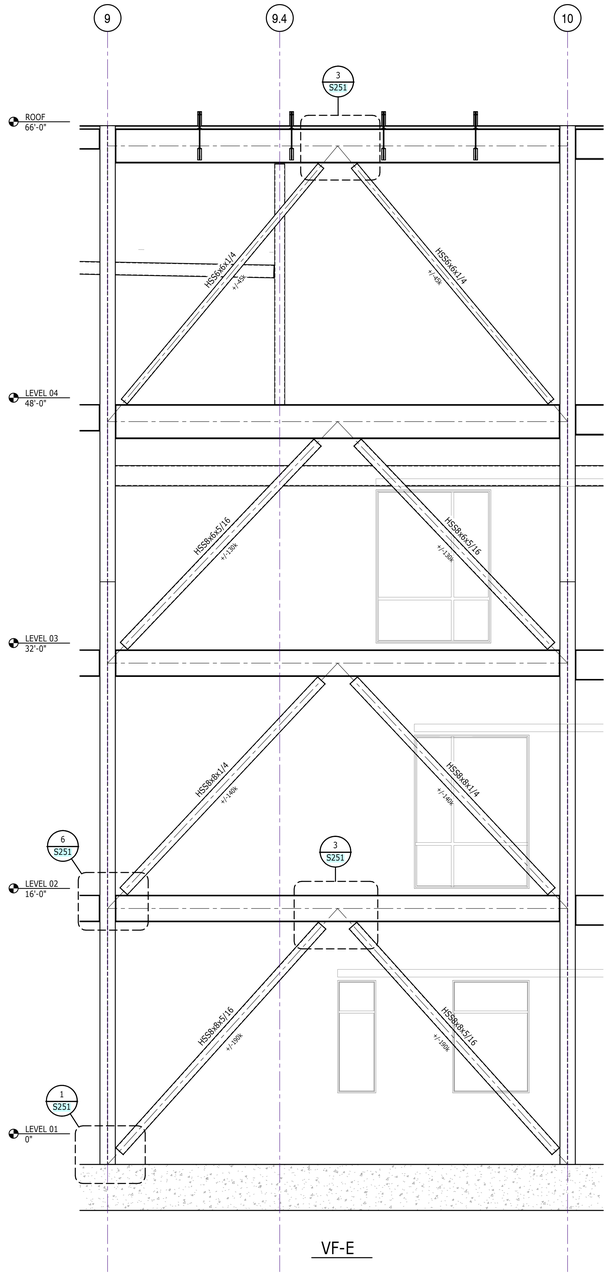
2/6/2026 2:10:07 PM Autodesk Docs://PROJECTS @ Brunswick County Health & Human Services/BCHHS_R-Brunswick.rvt



VF-H



VF-F



VF-E

NOTES:
1. NOTES SHALL APPLY TO ALL VERTICAL FRAMES ON ALL SHEETS.
2. CENTROIDS OF MEMBERS SHALL COINCIDE, UNO.
3. FABRICATOR SHALL DESIGN ALL BEAM TO COLUMN CONNECTIONS WITHIN VERTICAL FRAME TO SUPPORT THE HORIZONTAL AND VERTICAL COMPONENTS OF THE BRACE FORCE PLUS THE BEAM REACTION SHOWN ON THE ELEVATION. ALLOWABLE STRESS INCREASES OR LOAD REDUCTIONS ARE NOT PERMITTED.
4. STEEL FRAMING DESIGN END REACTIONS ARE SHOWN ON ELEVATION AS "V#" FOR VERTICAL SHEAR, "+A#" FOR AXIAL TENSION, AND "-A#" FOR AXIAL COMPRESSION. "TF#" INDICATES AXIAL TRANSFER FORCE FROM ADJACENT BEAM. ALL LOADS ARE FACTORED FOR STRENGTH DESIGN IN UNITS OF KIP AND KIP-FT. ALL LOADS SHALL BE CONSIDERED REVERSIBLE, UNO.
5. STEEL IN VERTICAL FRAMES THAT ARE EXPOSED (COLUMNS, BEAM, BRACE, GUSSETT ETC.) TO BE AESS LEVEL 02.

4 S255 VERTICAL FRAME ELEVATIONS
1/4" = 1'-0"

mcmillan pazdan smith
ARCHITECTURE

EDIFICE CONSTRUCTION

STEWART
101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202
T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #525065

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 041315 PETRINA A. AGNELLO

02/06/2026

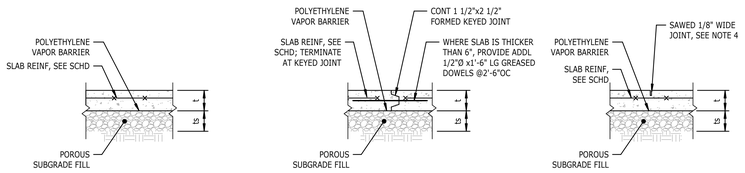
PRINCIPAL IN CHARGE: PAA
PROJECT ENGINEER: KAB
DRAWN BY: DB

SHEET TITLE:
VERTICAL FRAME ELEVATIONS

SHEET NO. S255
PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE INSTRUMENTS OF SERVICE ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED IN WHOLE OR IN PART FOR ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, AS HOLDERS OF THE PROJECT, WHO AGREE TO THE TERMS AND CONDITIONS OF THIS PARAGRAPH. ALL DOCUMENTS ARE TO BE RETURNED OR STORED IN ACCORDANCE WITH THE PROJECT. IN NEED TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. © COPYRIGHT 2021 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

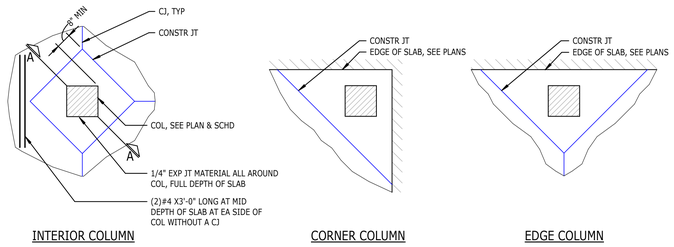
ARCHIVE 1:1 SS.PLT Autodesk Docs://PROJECTS @ Brunswick County Health & Human Services/BSCHHS_STRU_R25.rvt



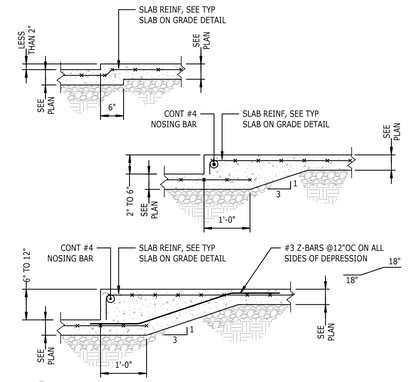
NOTES:
1. 't' DENOTES SLAB THICKNESS, SEE PLANS. 'ts' DENOTES POROUS SUBGRADE FILL THICKNESS, SEE "FOUNDATION" GENERAL NOTES.
2. LOCATION OF SLAB ON GRADE CONSTRUCTION JOINTS SHALL BE DETERMINED BY THE CONTRACTOR. JOINT LOCATIONS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
3. SEE PLANS FOR LOCATION OF CONTROL JOINTS. WHERE NOT SHOWN ON PLAN, CONTACT THE ENGINEER.
4. SAW CUT CONTROL JOINTS WITHIN 8 HOURS OF SLAB POUR. SEE SCHEDULE FOR DEPTH OF CONTROL JOINTS.
5. 15 MIL-THICK POLYETHYLENE VAPOR BARRIER TO BE PLACED UNDER ALL SLABS, TURNDOWNS, TRENCHES, TRENCH DRAINS, GRADE BEAMS, ETC.

TYPICAL SLAB ON GRADE REINFORCING (UNO)			
t	REINFORCING	CLEAR COVER FROM TOP OF SLAB	SAWED CJ DEPTH
4"	6x6-W2.1xW2.1	1 1/2"	1"
5"	6x6-W2.9xW2.9	1 3/4"	1 1/4"
6"	#3@12"OC EW	2"	1 1/2"
8"	#4@12"OC EW	2 1/2"	2"
THICKER THAN 8"	SEE PLAN	1/2" BELOW SAWED CJ	t/4

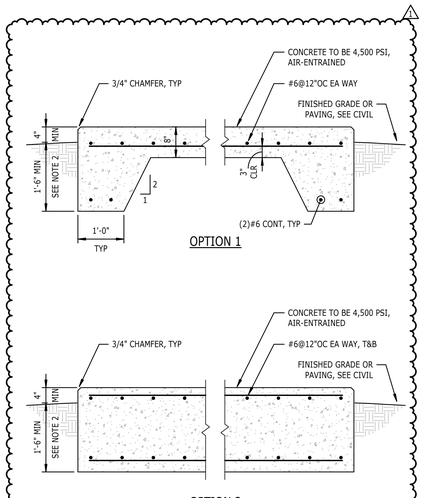
1 S301 TYPICAL SLAB ON GRADE
NTS



6 S301 TYPICAL COLUMN ISOLATION JOINTS
NTS

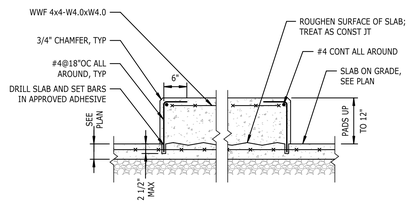


2 S301 TYPICAL STEP IN SLAB ON GRADE
NTS



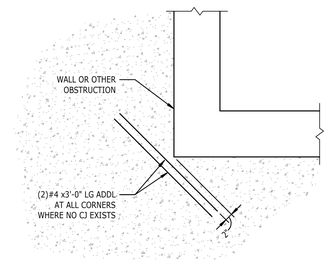
NOTES:
1. THE EXACT SIZE, SHAPE, AND LOCATION OF EQUIPMENT PADS SHALL BE DETERMINED BY THE CONTRACTOR AFTER APPROVAL OF EQUIPMENT SHOP DRAWINGS. ANCHOR BOLTS WHERE REQUIRED SHALL BE SIZED AND LOCATED ACCORDING TO MANUFACTURER'S REQUIREMENTS.
2. INCREASE DEPTH AS REQUIRED BY THE GEOTECHNICAL REPORT FOR AREA-SPECIFIC FREEZE-THAW DEPTHS.

15 S301 TYPICAL EXTERIOR EQUIPMENT PAD
3/4" = 1'-0"

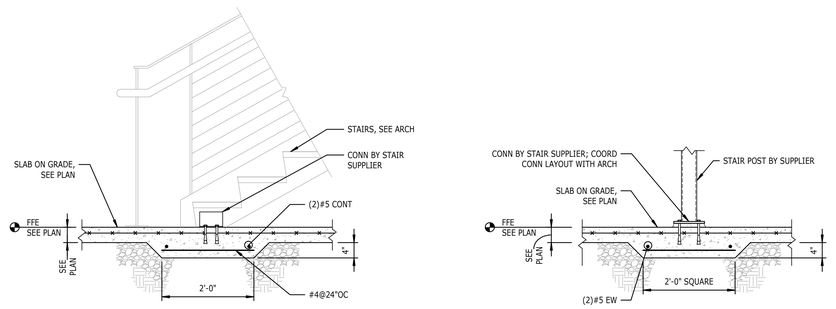


NOTES:
1. THE EXACT SIZE, SHAPE, AND LOCATION OF EQUIPMENT/HOUSEKEEPING PADS SHALL BE DETERMINED BY THE CONTRACTOR AFTER APPROVAL OF EQUIPMENT SHOP DRAWINGS. ANCHOR BOLTS WHERE REQUIRED SHALL BE SIZED AND LOCATED ACCORDING TO MANUFACTURER'S REQUIREMENTS.

7 S301 TYPICAL EQUIPMENT PAD
NTS

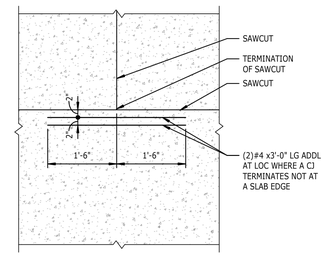


3 S301 TYPICAL SLAB AT CORNERS
NTS



NOTES:
1. CONTRACTOR TO COORDINATE REQUIRED LOCATIONS WITH APPROVED STAIR SHOP DRAWINGS.

8 S301 TYPICAL THICKENED SLAB AT STAIRS
NTS



4 S301 TYPICAL AT CONTROL JOINT TERMINATION
NTS

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

STEWART
101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202
T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #525065

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

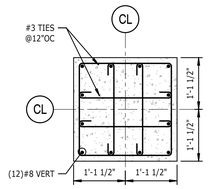
NO.	DATE	DESCRIPTION
1	04/02/2026	REVIEW COMMENTS

NORTH CAROLINA PROFESSIONAL SEAL 041315 ENGINEER PETRINA A. AGNELLO
04/02/2026

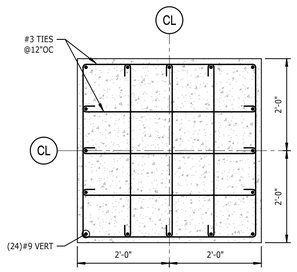
PRINCIPAL IN CHARGE: PAA
PROJECT ENGINEER: KAB
DRAWN BY: DB

SHEET TITLE:
SLAB ON GRADE DETAILS

SHEET NO. S301
PROJ. NO. 024370.01

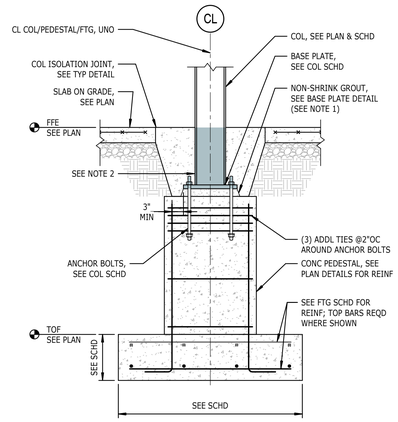


PEDESTAL P1

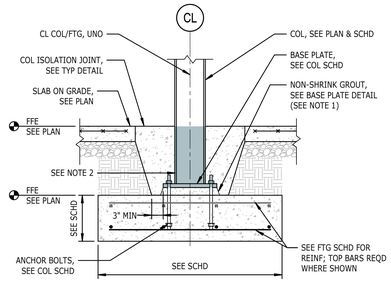


PEDESTAL P2

13 S302 TYPICAL FOOTING AT PEDESTAL
NTS



NOTES:
1. ALL BASE PLATES TO BE FULLY LEVELED AND GROUTED PRIOR TO ANY ELEVATED SLAB POUR.
2. WHERE COLUMN BASE IS OUTSIDE THE BUILDING ENVELOPE OR WHERE SECONDARY SLAB ISOLATION JOINTS ARE NOT EMPLOYED, COAT ALL STEEL BELOW GRADE WITH AN APPROVED ASPHALTIC PAINT.
3. PROVIDE STANDARD ACI 90° HOOK AT BOTTOM END OF ALL VERTICAL BARS IN PEDESTAL.



NOTES:
1. ALL BASE PLATES TO BE FULLY LEVELED AND GROUTED PRIOR TO ANY ELEVATED SLAB POUR.
2. WHERE COLUMN BASE IS OUTSIDE THE BUILDING ENVELOPE OR WHERE SECONDARY SLAB ISOLATION JOINTS ARE NOT EMPLOYED, COAT ALL STEEL BELOW GRADE WITH AN APPROVED ASPHALTIC PAINT.

5 S302 TYPICAL FOOTING AT STEEL COLUMN
NTS

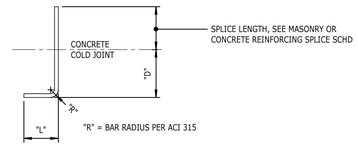
CONCRETE REINFORCING SPLICES			
BAR SIZE	f'c = 3,000 PSI	f'c = 4,000 PSI	f'c = 5,000 PSI
#3	1'-10"	1'-7"	1'-5"
#4	2'-4"	2'-1"	1'-10"
#5	3'-0"	2'-7"	2'-4"
#6	3'-7"	3'-1"	2'-9"
#7	5'-2"	4'-6"	4'-1"
#8	5'-11"	5'-2"	4'-8"
#9	6'-6"	5'-10"	5'-3"
#10	7'-6"	6'-6"	5'-10"
#11	8'-4"	7'-3"	6'-6"



NOTES:
1. FOR CLASS B LAP SPLICE, SPLICE LENGTH = 1.3 x DEVELOPMENT LENGTH.
2. APPLIES TO BOTTOM BARS ONLY (LESS THAN 12" OF FRESH CONCRETE BELOW BAR).
3. APPLIES WHERE THE CLEAR COVER IS GREATER THAN THE BAR DIAMETER.
4. WHEN MORE THAN 12" OF FRESH CONCRETE BELOW SPLICE, THEN INCREASE SPLICE TO 1.3 x SPLICE LENGTH.

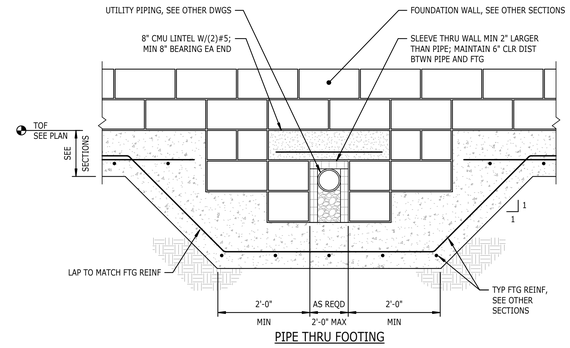
1 S302 CONCRETE REINFORCING SPLICE SCHEDULE
NTS

CONCRETE REINFORCING DOWEL EMBEDMENT				
BAR SIZE	LEG DIM, "L"	EMBEDMENT, "D"		
		f'c = 3,000 PSI	f'c = 4,000 PSI	f'c = 5,000 PSI
#3	6"	6"	6"	6"
#4	8"	8"	7"	6"
#5	10"	10"	9"	8"
#6	12"	12"	10"	9"
#7	14"	14"	12"	11"
#8	16"	16"	14"	12"
#9	19"	18"	15"	14"
#10	22"	20"	17"	15"
#11	24"	22"	19"	17"

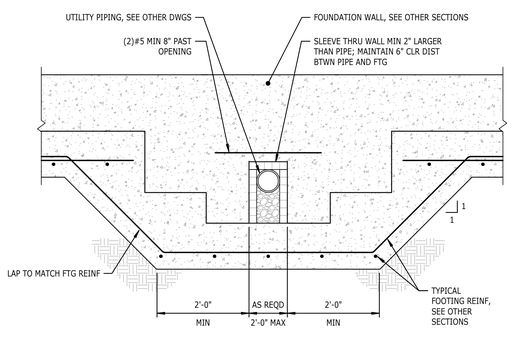


NOTES:
1. FOR CONCRETE STRENGTHS NOT PROVIDED, USE THE EMBEDMENT LENGTH FOR THE LOWER CONCRETE STRENGTH AS SHOWN IN THE TABLE.
2. DOWEL LENGTHS BASED ON NORMAL WEIGHT CONCRETE. FOR LIGHT WEIGHT, INCREASE DOWEL LENGTH "D" BY 30%.
3. SIDE COVER ON BARS MUST BE GREATER THAN 2 1/2". END COVER ON 90° HOOKED BARS MUST BE GREATER THAN 2".
4. FOR EPOXY-COATED BARS, INCREASE THE DOWEL LENGTH "D" BY 20%.

2 S302 DOWEL EMBEDMENT LENGTH SCHEDULE
NTS

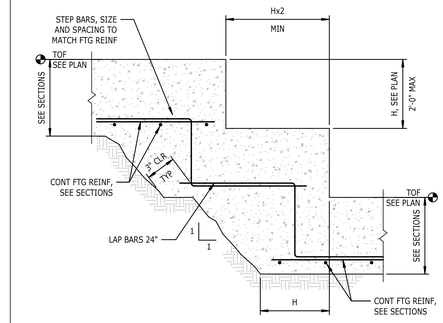


PIPE THRU FOOTING

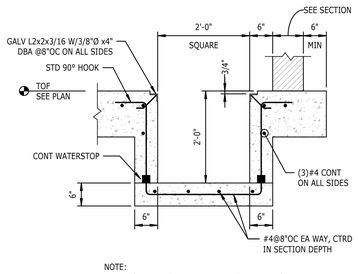


PIPE THRU WALL -
CONTRACTOR'S OPTION

7 S302 TYPICAL UTILITY BELOW FOOTING
3/4" = 1'-0"

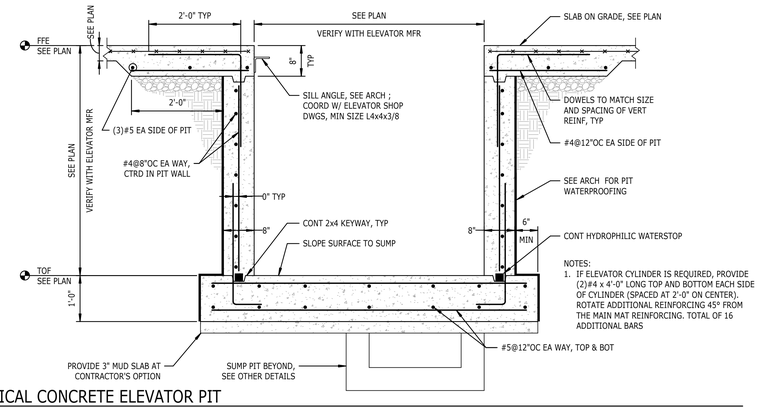


3 S302 TYPICAL STEP IN WALL FOOTING
NTS

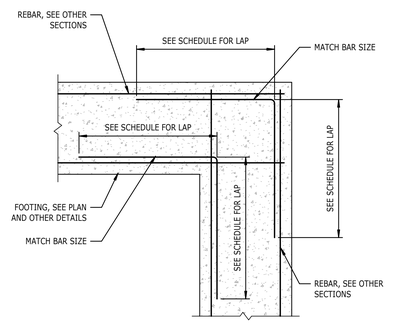


NOTE:
VERIFY SUMP PIT SIZE WITH ELEVATOR MANUFACTURER.

16 S302 TYPICAL ELEVATOR SUMP PIT
NTS



8 S302 TYPICAL CONCRETE ELEVATOR PIT
3/4" = 1'-0"



4 S302 TYPICAL FOOTING CORNER
NTS

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE ARE NOT TO BE USED ON ANY PROJECT OTHER THAN THE PROJECT FOR WHICH THEY HAVE BEEN PREPARED AND DEVELOPED WITHOUT THE WRITTEN PERMISSION OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE DRAWINGS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR STORED IN A SECURED LOCATION UPON THE REQUEST OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THE VISUAL CONTRACT BETWEEN MCMILLAN PAZDAN SMITH ARCHITECTURE AND OTHERS WHO MAY ACCESS THIS PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE
EDIFICE CONSTRUCTION
STEWART
101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202
T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #525065

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

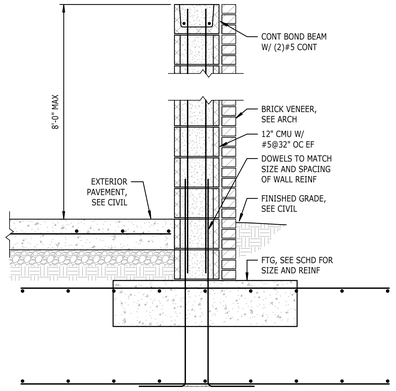
NORTH CAROLINA PROFESSIONAL SEAL 041315 ENGINEER PATRINA A. MONELLO
02/06/2026

PRINCIPAL IN CHARGE: PAA
PROJECT ENGINEER: KAB
DRAWN BY: DB

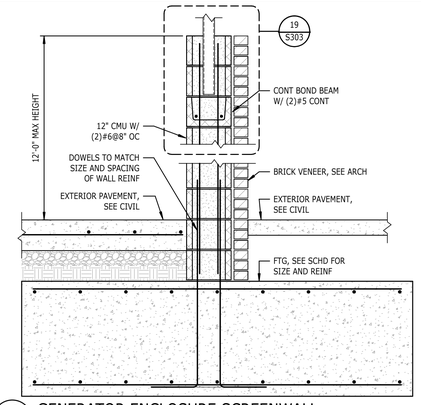
SHEET TITLE:
FOUNDATION DETAILS

SHEET NO. S302
PROJ. NO. 024370.01

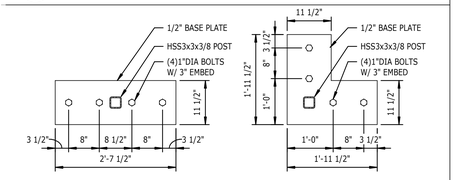
2/6/2026 12:24:13 PM - Autodesk Docs://2025.01 @ Brunswick County Health & Human Services/2025.01_BrunswickCounty_STRUCT_R25.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE (MPS) AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ELECTRONICALLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH.
ALL RIGHTS RESERVED



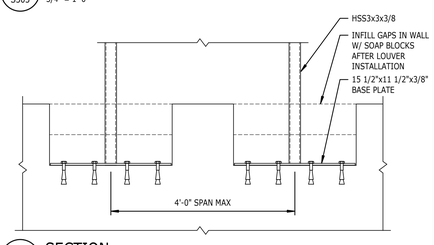
17 S303 GARBAGE ENCLOSURE SCREENWALL
3/4" = 1'-0"



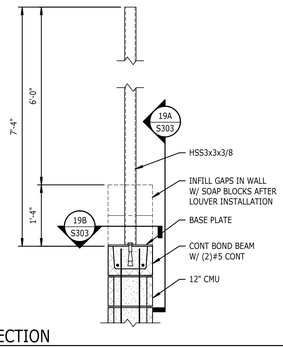
18 S303 GENERATOR ENCLOSURE SCREENWALL
3/4" = 1'-0"



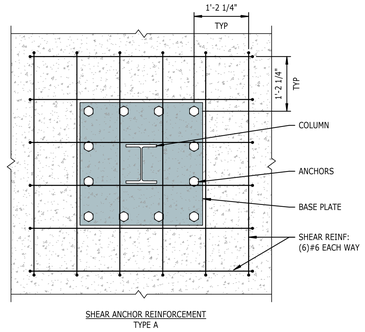
19B S303 SECTION
3/4" = 1'-0"



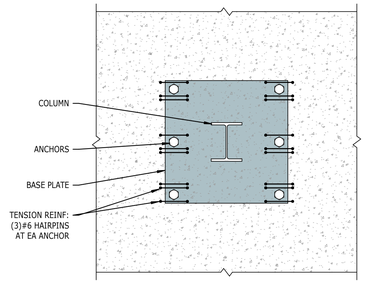
19A S303 SECTION
3/4" = 1'-0"



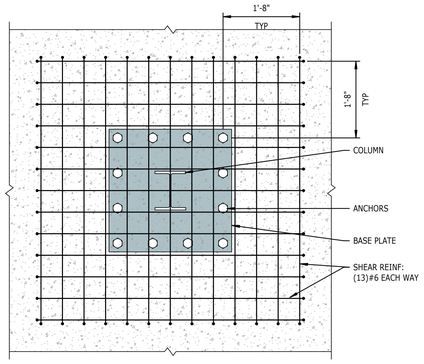
19 S303 SECTION
3/4" = 1'-0"



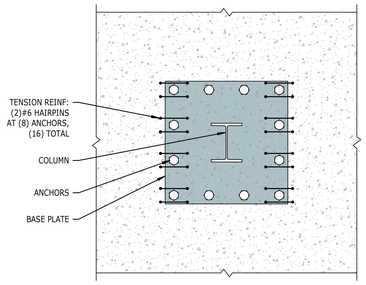
SHEAR ANCHOR REINFORCEMENT
TYPE A



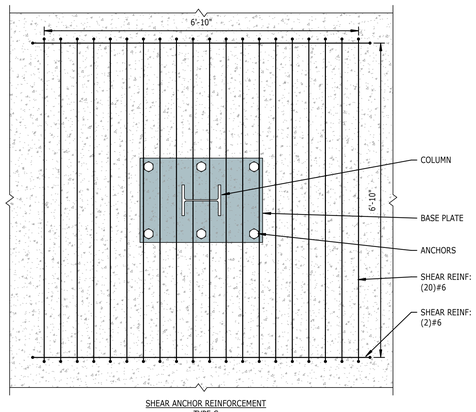
TENSION ANCHOR REINFORCEMENT
TYPE A



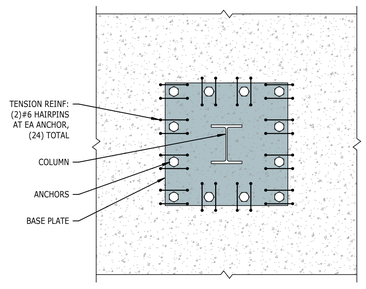
SHEAR ANCHOR REINFORCEMENT
TYPE B



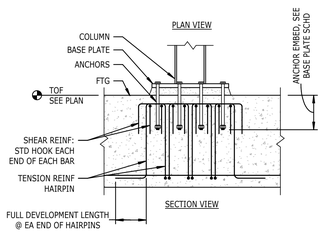
TENSION ANCHOR REINFORCEMENT
TYPE B



SHEAR ANCHOR REINFORCEMENT
TYPE C

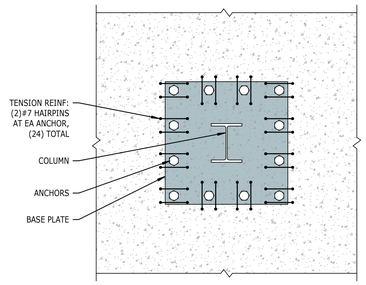


TENSION ANCHOR REINFORCEMENT
TYPE C

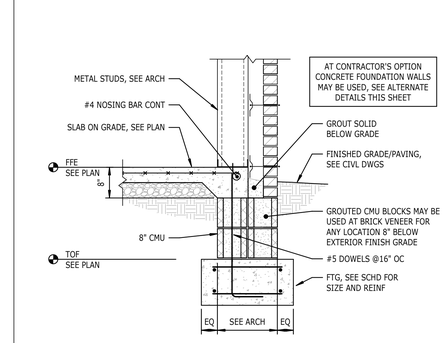


NOTES:
1. PEDESTAL AND FOOTING REINFORCING NOT SHOWN FOR CLARITY.
2. REINFORCING SHOWN HERE IS IN ADDITION TO THAT REQUIRED PER TYPICAL FOOTING AT PEDESTAL DETAIL.

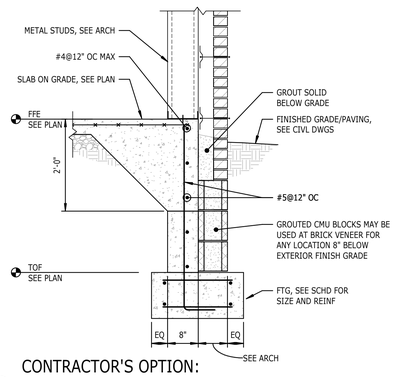
9 S303 TYPICAL ANCHOR BOLT REINFORCING
NTS



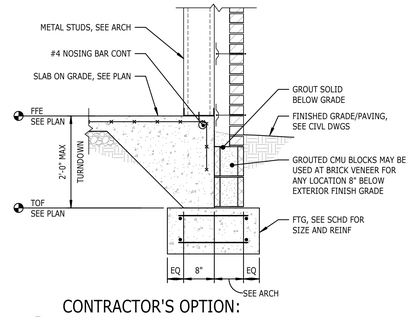
TENSION ANCHOR REINFORCEMENT
TYPE D



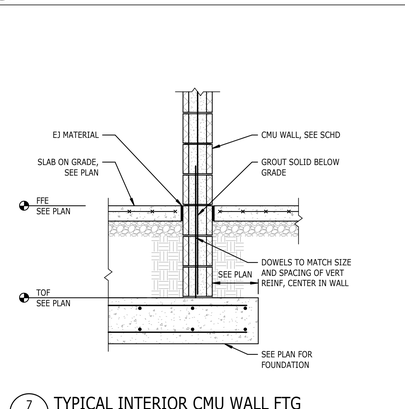
1 S303 TYPICAL EXTERIOR CMU FOUNDATION WALL
NTS



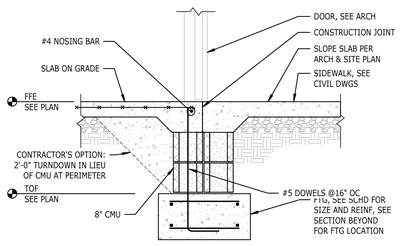
6 S303 CONTRACTOR'S OPTION:
EXTERIOR CONC STEPPED FOUNDATION WALL
NTS



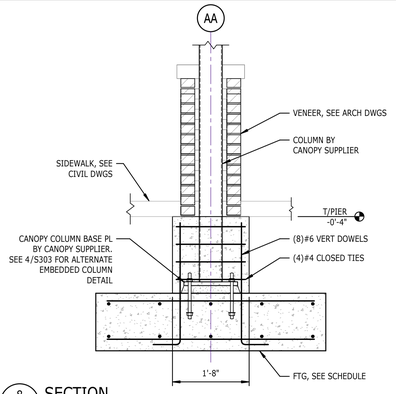
2 S303 CONTRACTOR'S OPTION:
EXTERIOR CONC TURNDOWN
NTS



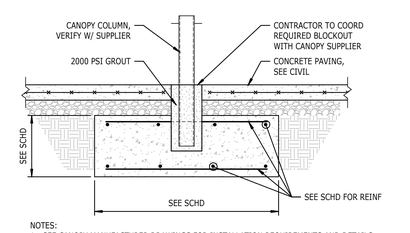
7 S303 TYPICAL INTERIOR CMU WALL FTG
3/4" = 1'-0"



3 S303 TYPICAL SLAB TURNDOWN AT DOOR
NTS



8 S303 SECTION
3/4" = 1'-0"



NOTES:
1. SEE CANOPY MANUFACTURER DRAWINGS FOR INSTALLATION REQUIREMENTS AND DETAILS.

4 S303 CANOPY COLUMN FOOTINGS ALTERNATE
3/4" = 1'-0"

mcmillan pazdan smith
ARCHITECTURE

EDIFICE CONSTRUCTION

STEWART
101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202
T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #525065

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

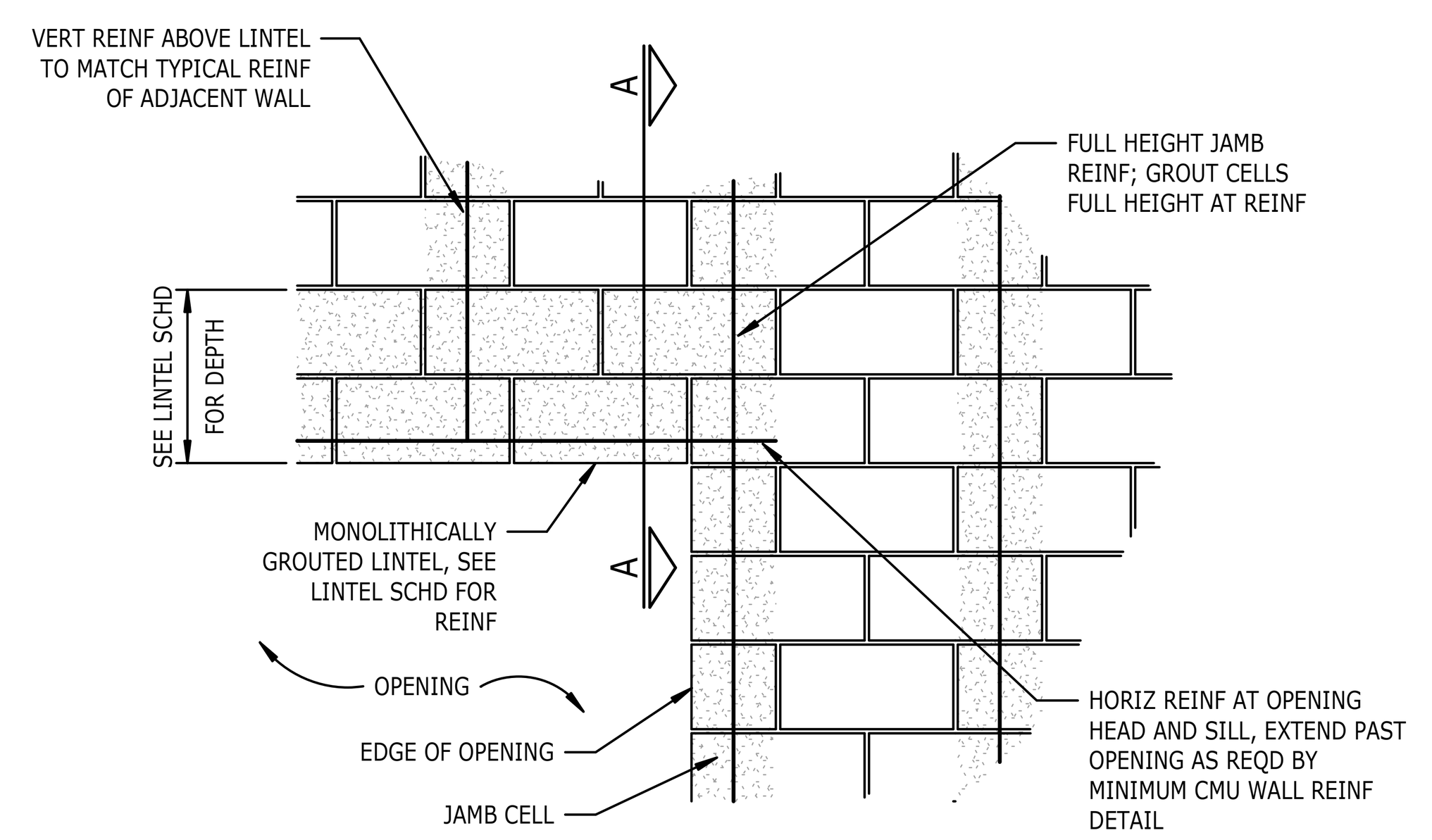
NO.	DATE	DESCRIPTION

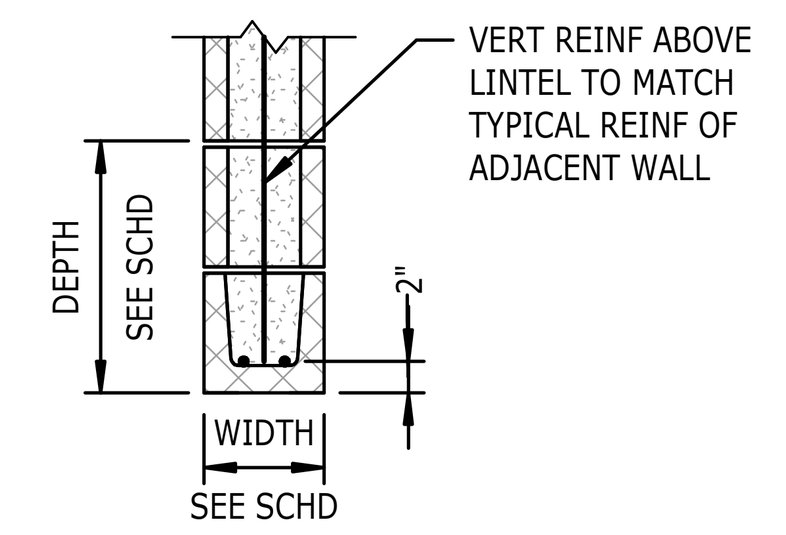
NORTH CAROLINA PROFESSIONAL SEAL 041315 ENGINEER PETRINA A. AGNELLO
02/06/2026

PRINCIPAL IN CHARGE: PAA
PROJECT ENGINEER: KAB
DRAWN BY: DB

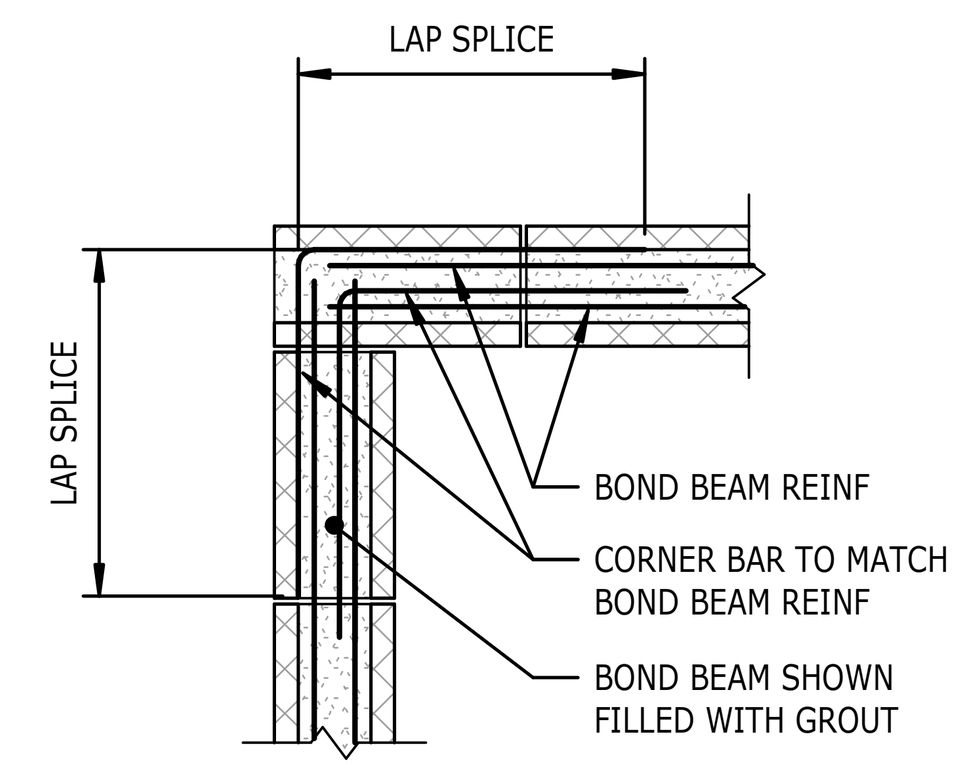
SHEET TITLE:
FOUNDATION DETAILS

SHEET NO. S303
PROJ. NO. 024370.01



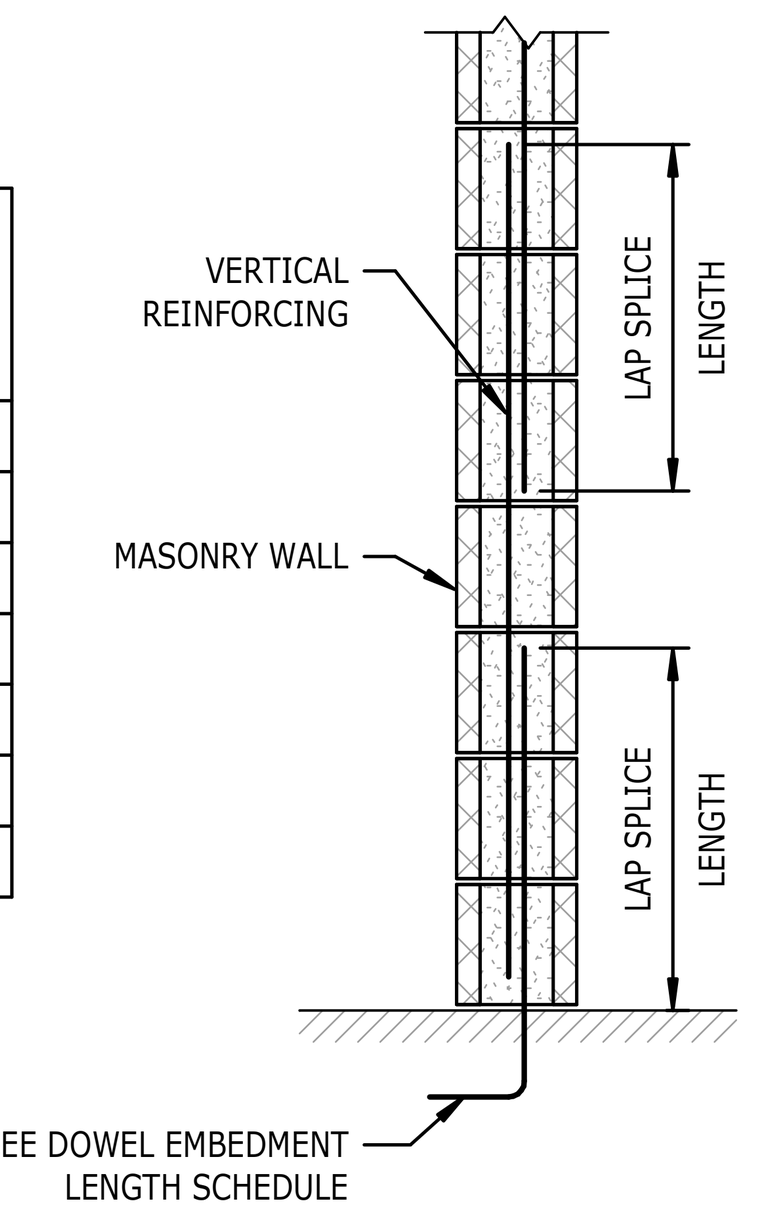


13 TYPICAL LINTEL|JAMB CONSTRUCTION
S401 NTS

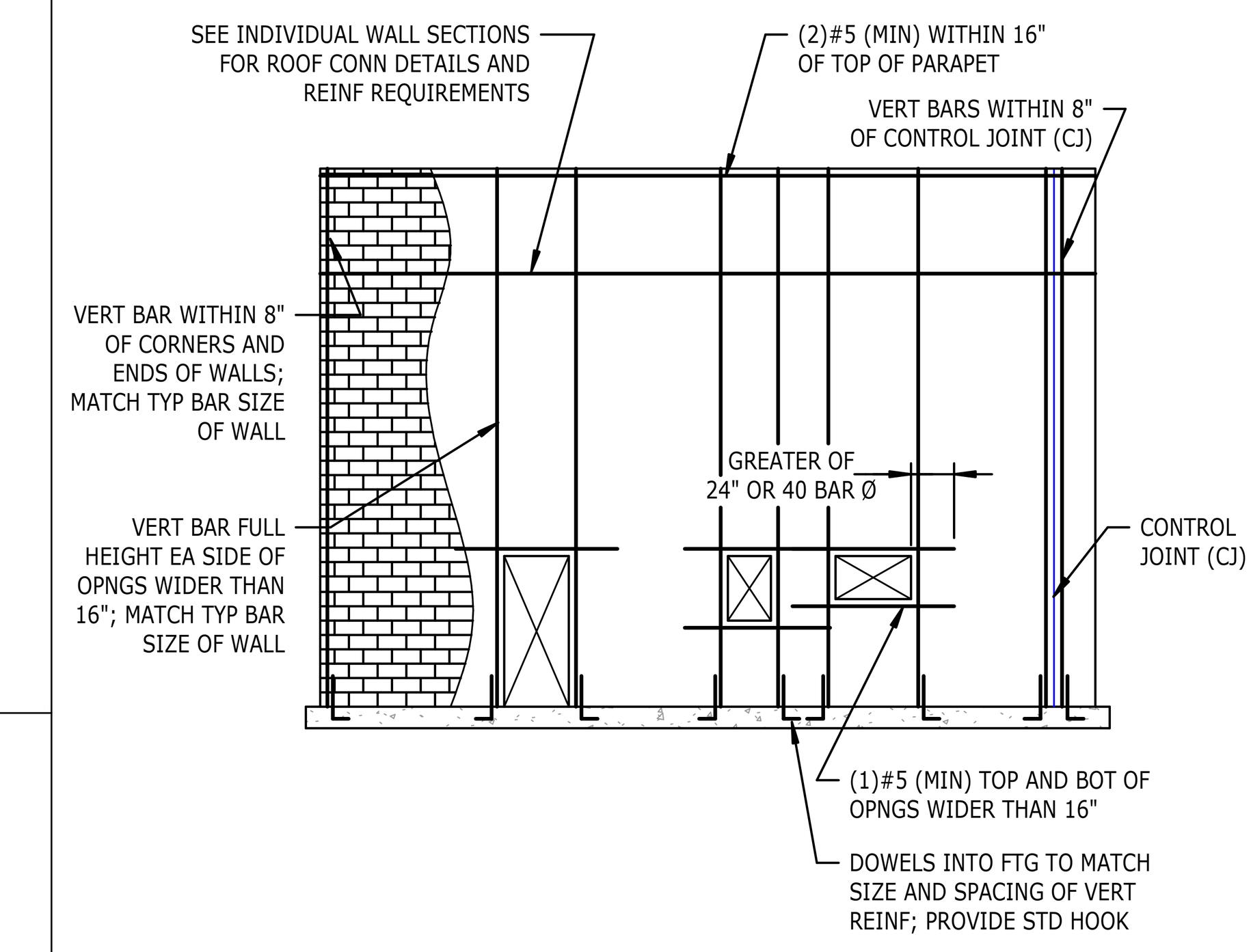


9 TYPICAL BOND BEAM CORNER
S401 NTS

MINIMUM SPLICE AND EMBEDMENT LENGTH SCHEDULE	
BAR SIZE	LAP SPLICE
#3	27"
#4	36"
#5	45"
#6	54"
#7	63"
#8	72"

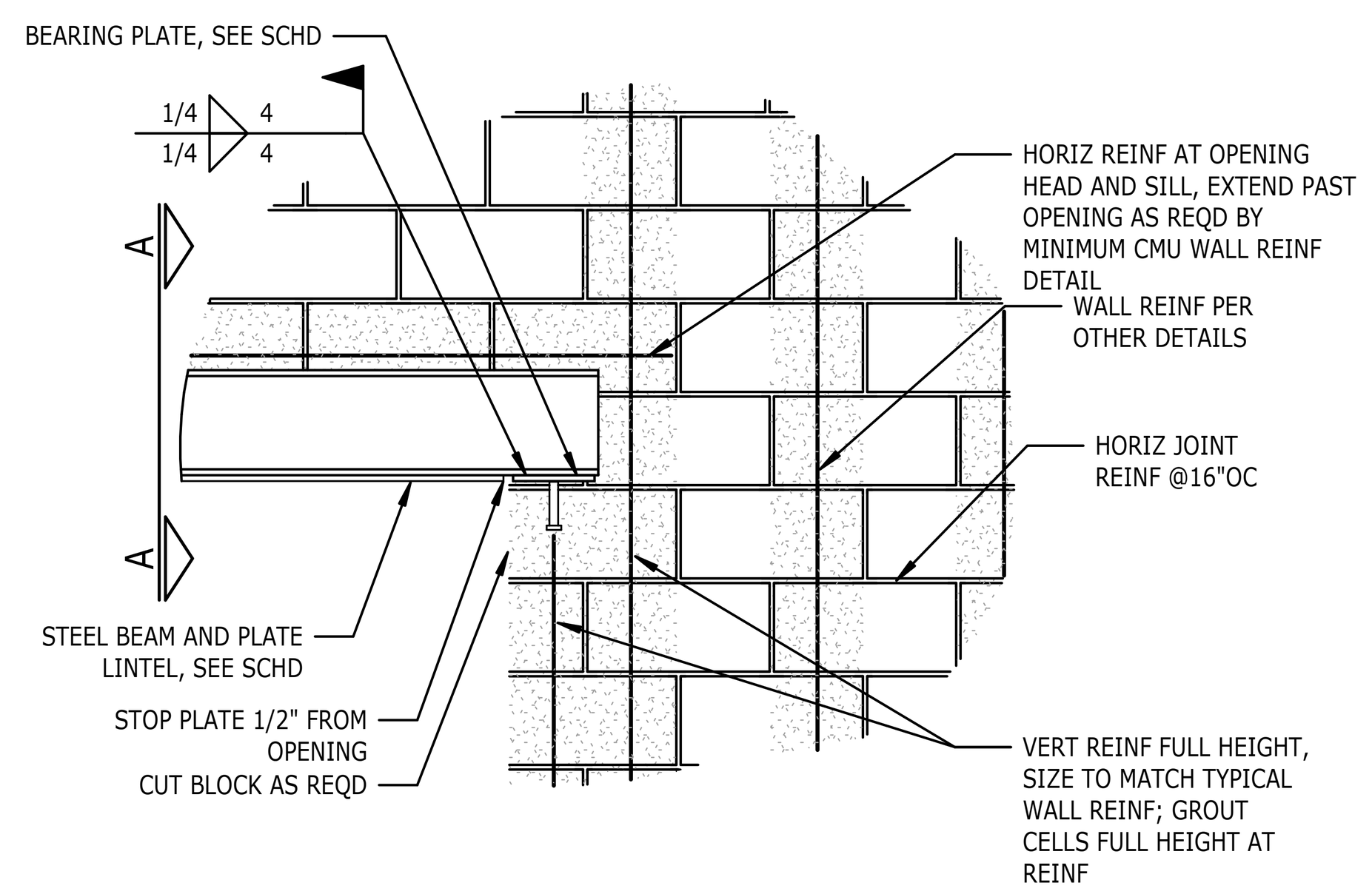


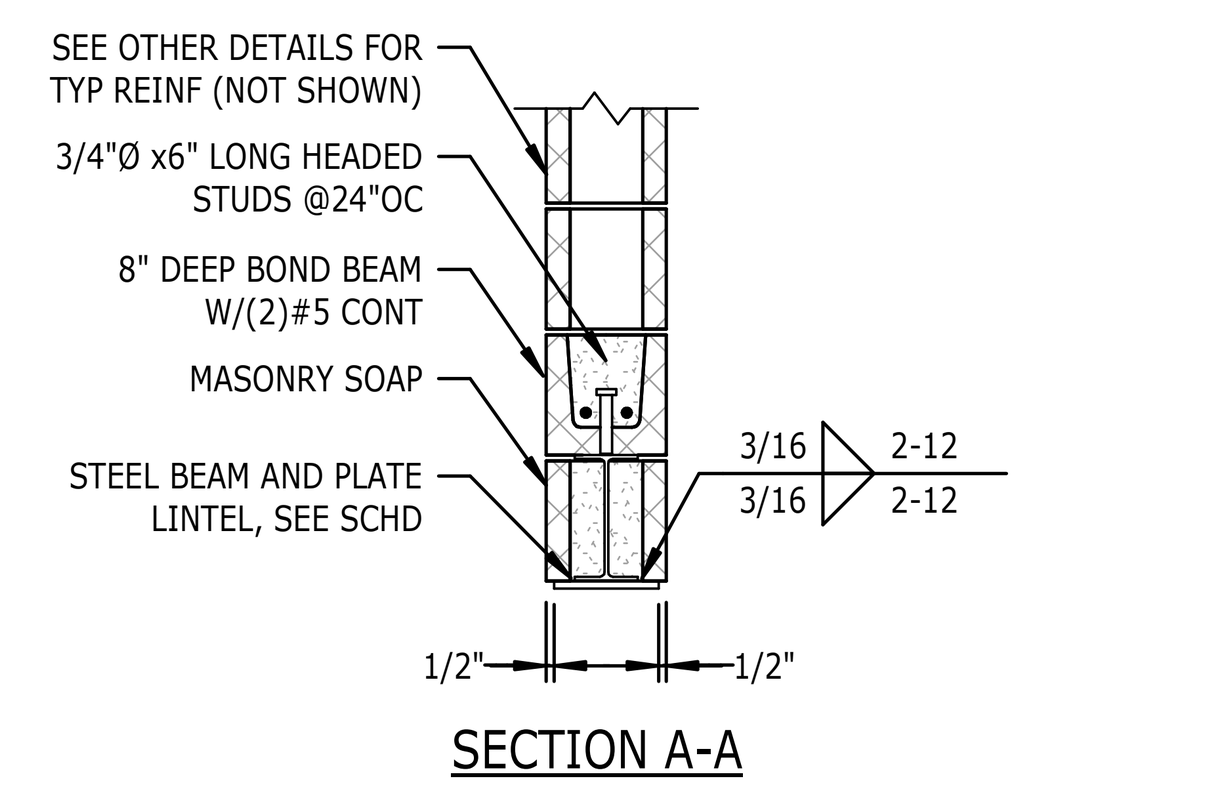
5 MASONRY REINFORCING SPLICE SCHEDULE
S401 NTS

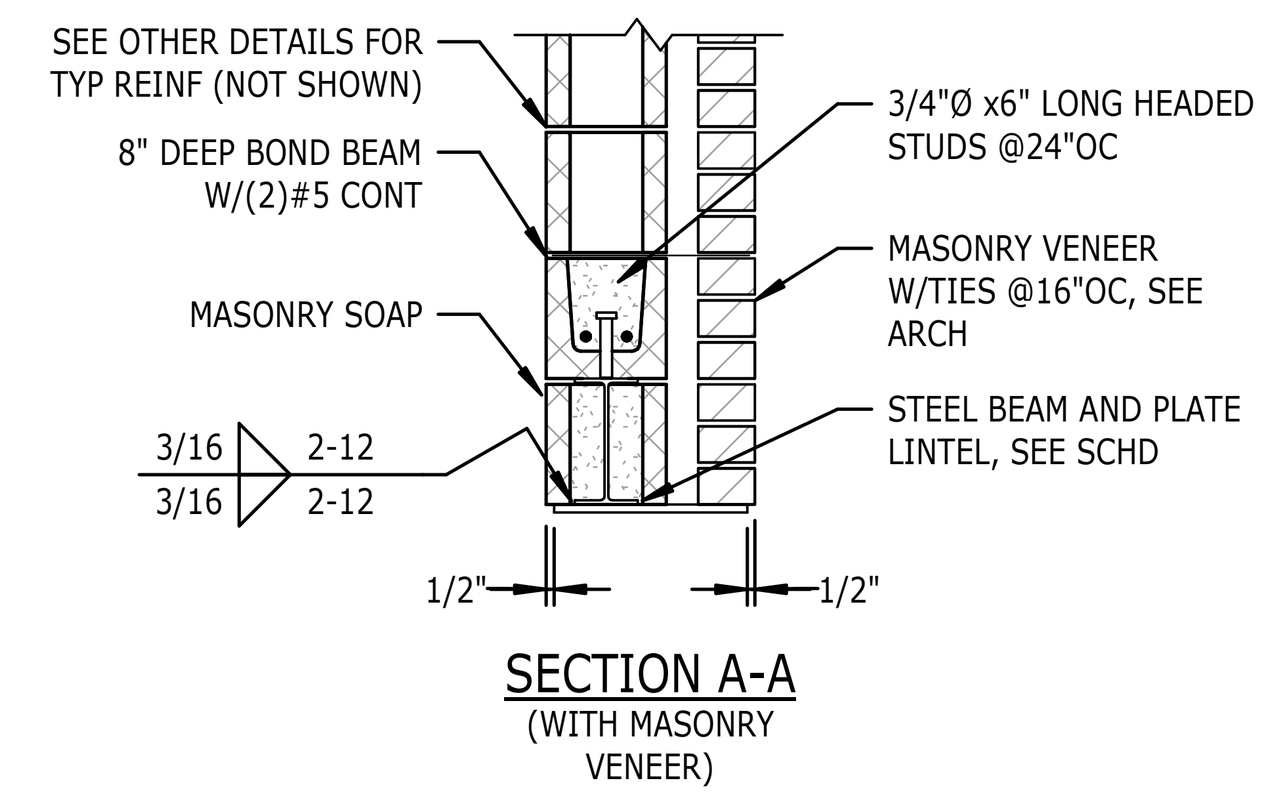


NOTES:
1. REINFORCING SHOWN IS A MINIMUM REQUIREMENT, INDIVIDUAL WALL SECTION REINFORCING REQUIREMENTS (SUCH AS NUMBER OR SIZE OF BARS) SHALL TAKE PRECEDENCE OVER THE REQUIREMENTS SHOWN HEREIN. SEE INDIVIDUAL WALL SECTIONS AND SCHEDULES FOR VERTICAL REINFORCING REQUIREMENTS.
2. ALL DISCONTINUOUS REINFORCEMENT SHALL BE LAPPED PER MINIMUM SPLICE AND EMBEDMENT LENGTH SCHEDULE.
3. VERTICAL STEEL MUST BE SECURED IN PLACE BEFORE THE BLOCKS ARE LAID. ALL VERTICAL REINFORCEMENT SHALL BE CONTINUOUS THROUGH MASONRY LINTELS AND BOND BEAMS, UNO.
4. AT OPENINGS WHERE STEEL BEAM LINTELS ARE PROVIDED, REINFORCE THE JAMB CELL TO THE BEARING ELEVATION OF THE LINTEL, AND REINFORCE THE NEXT ADJACENT CELL PAST THE END OF THE BEAM FULL HEIGHT AS SHOWN IN THIS DETAIL.
5. DETAIL DOES NOT APPLY TO INTERIOR NON-LOAD BEARING PARTITION WALLS.
6. PROVIDE MINIMUM (2) LEGS OF W1.7 HORIZONTAL JOINT REINFORCING @ 16"OC VERTICALLY.

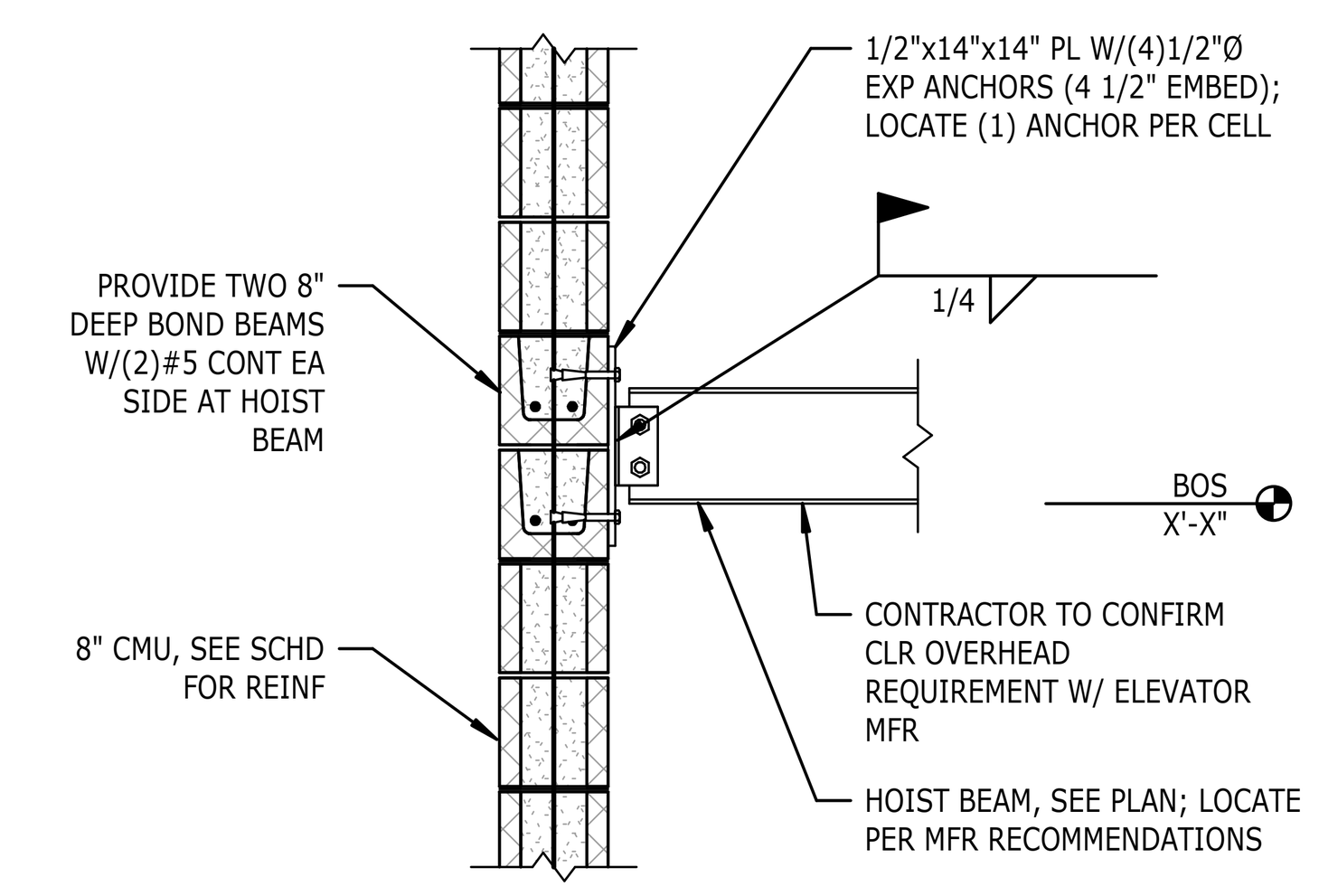
1 MINIMUM WALL REINFORCING
S401 NTS



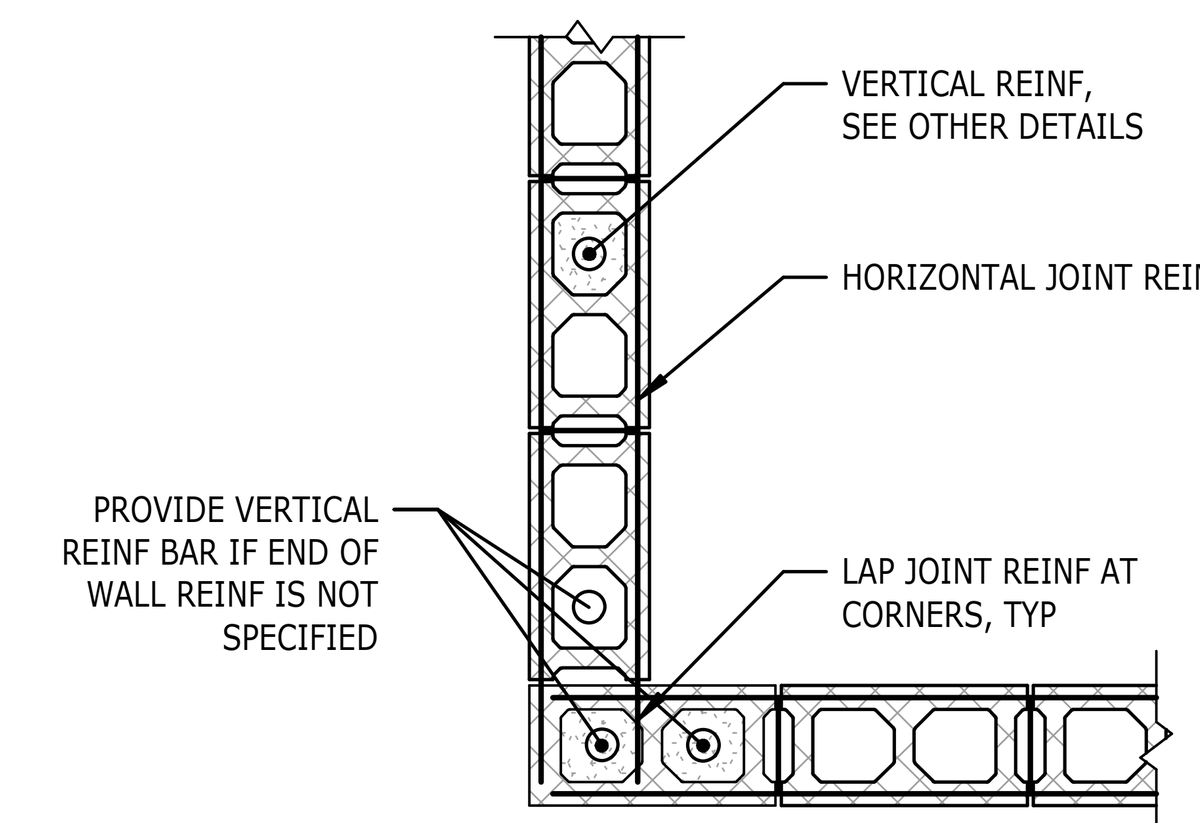




14 TYPICAL STEEL LINTEL|JAMB CONSTRUCTION
S401 NTS

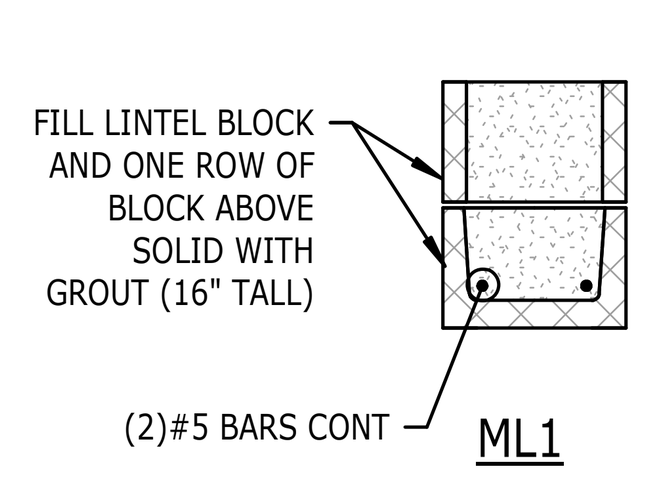


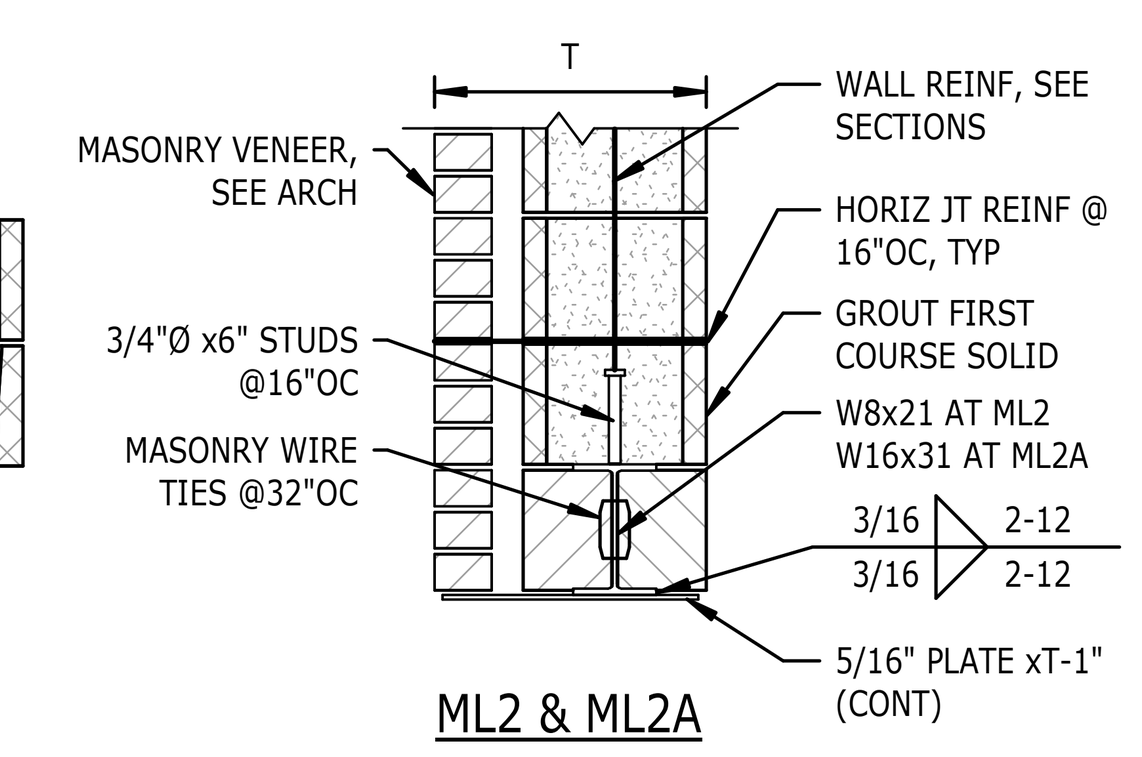
10 TYPICAL HOIST BEAM
S401 NTS

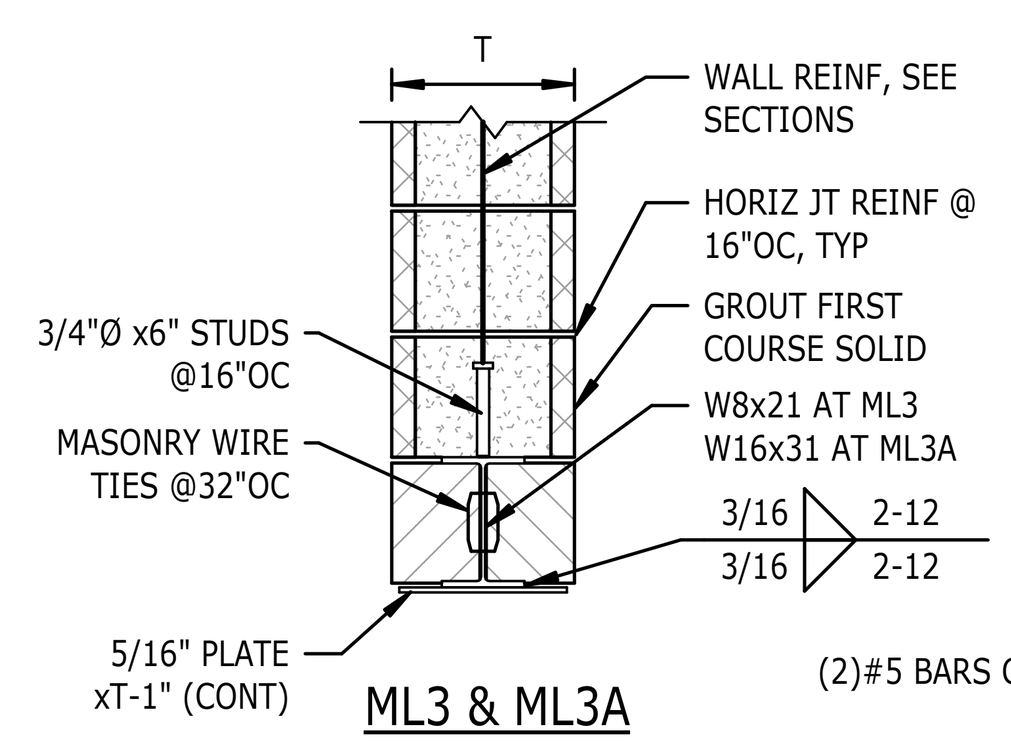


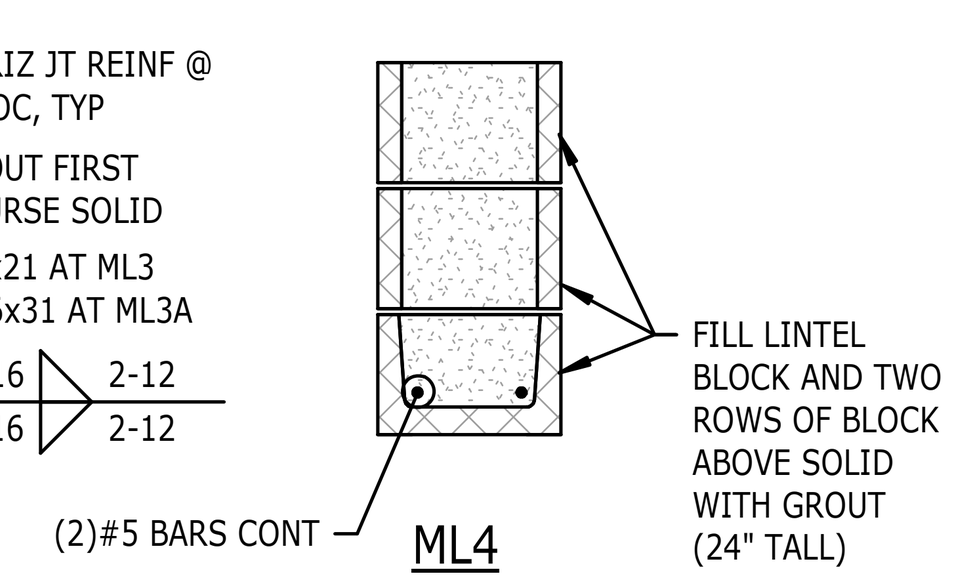
NOTES:
1. PROVIDE DOWELS TO FOUNDATION MATCHING SIZE OF VERTICAL REINFORCING, TYPICAL. SEE GENERAL NOTES OR MINIMUM SPLICE AND EMBEDMENT LENGTH SCHEDULE FOR LAP REQUIREMENTS.

6 TYPICAL WALL CORNER
S401 NTS



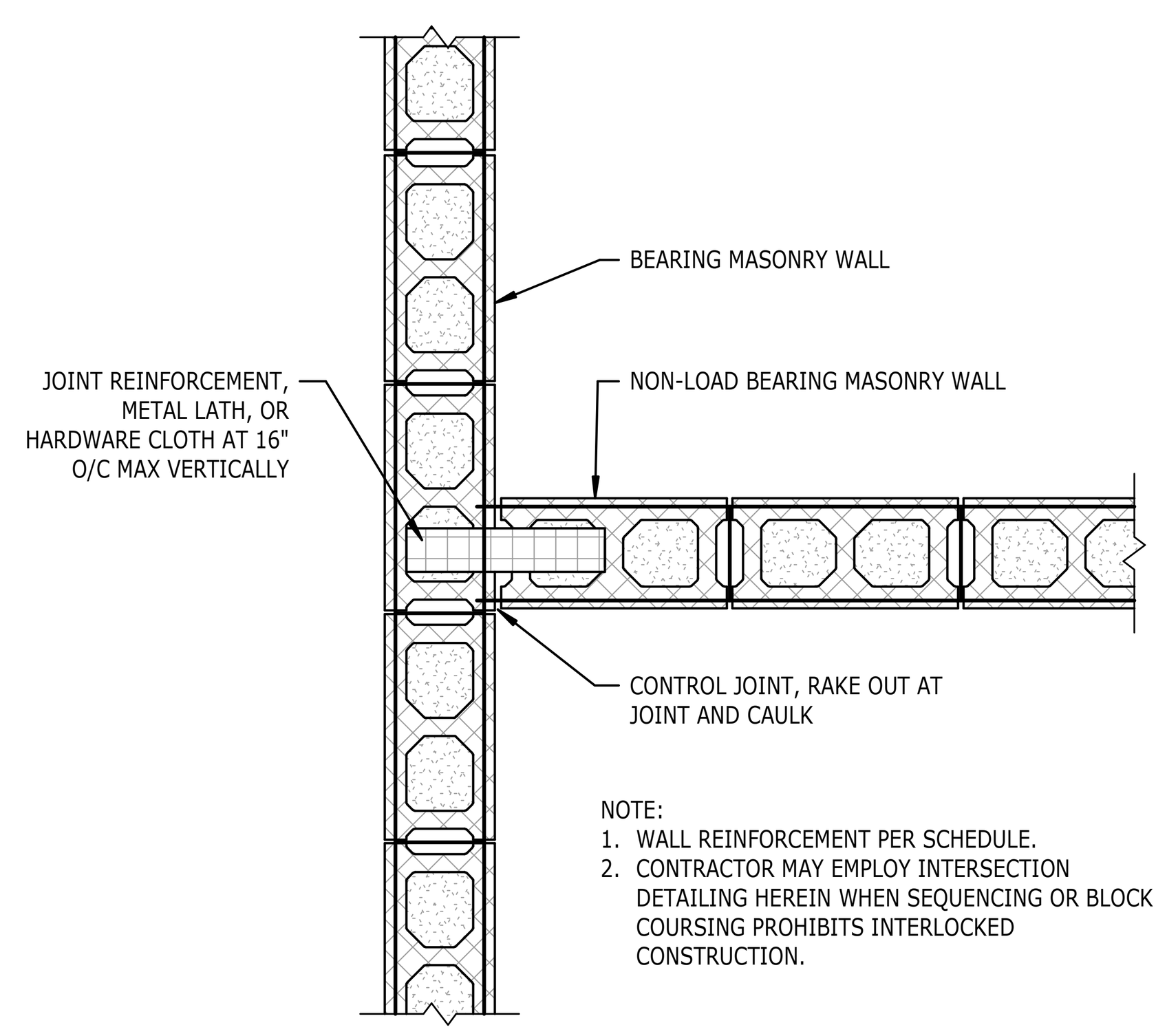






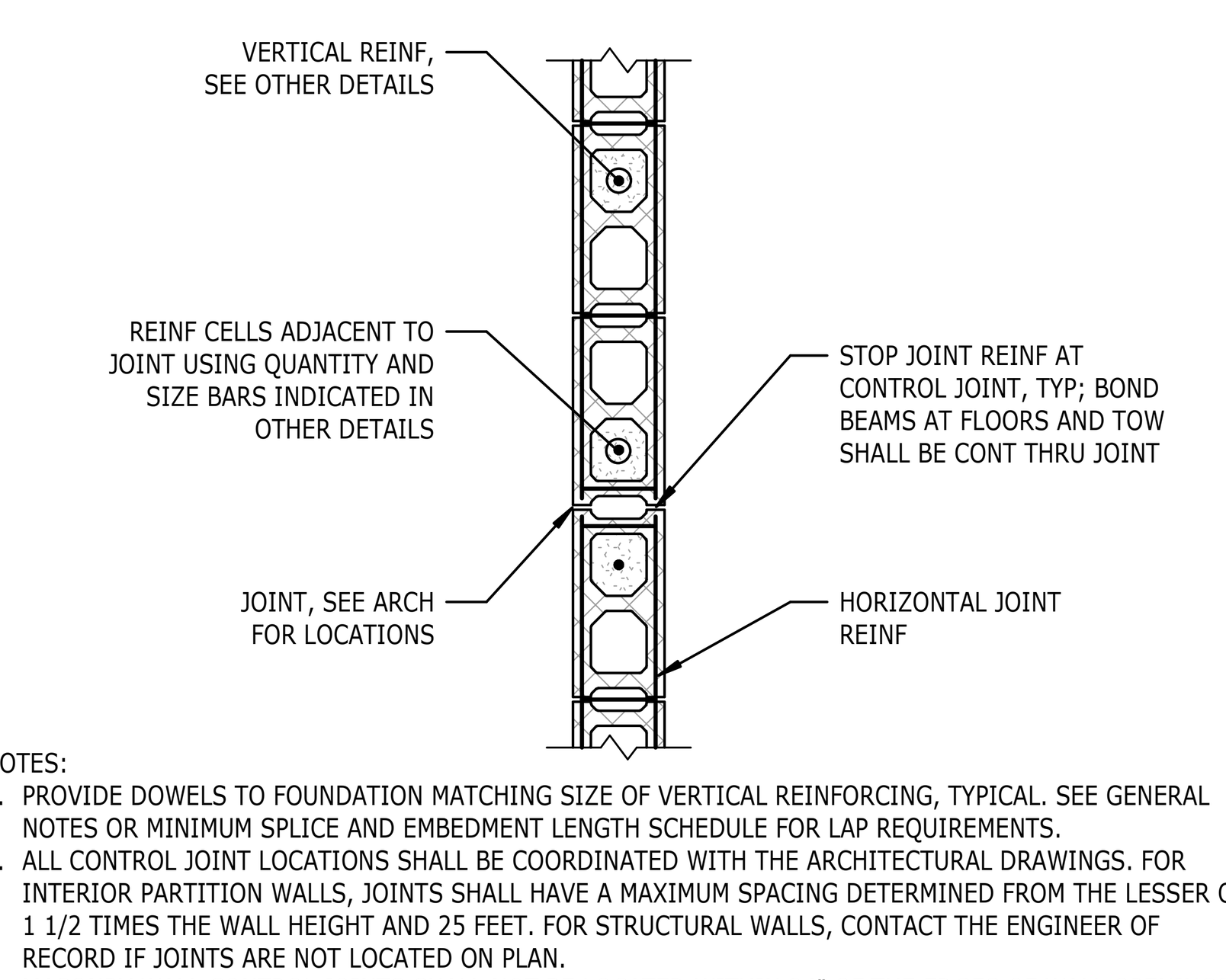
NOTES:
1. FOR LINTELS IN CMU WALLS, MATCH CORRESPONDING WALL WIDTH.
2. 1" MINIMUM CLEAR SPACE SHALL BE PROVIDED AROUND ALL REINFORCING.
3. WALL ABOVE LINTEL SHALL BE REINFORCED VERTICALLY SIMILAR TO WALL ON EITHER SIDE OF LINTEL.
4. HORIZONTAL REINFORCING SHALL EXTEND BEYOND EDGE OF OPENING PER LINTEL/JAMB REINFORCING DETAILS.
5. LINTELS OVER OPENINGS NOT SHOWN ON PLAN SHALL BE AS FOLLOWS (INTERIOR OR EXTERIOR WALLS):
   A. FOR OPENINGS UP TO 5'-0", PROVIDE TYPE ML1 LINTEL. FOR OPENINGS UP TO 5'-0" IN CMU + BRICK WALLS, PROVIDE TYP ML1 LINTEL AND SEE LOOSE LINTEL SCHEDULE FOR SIZE OF ANGLE.
   B. FOR OPENINGS 5'-1" TO 10'-0" IN CMU + BRICK WALLS, PROVIDE TYPE ML2 LINTEL WITH 8" BEARING. FOR OPENINGS 5'-1" TO 10'-0 IN CMU WALLS, PROVIDE TYPE ML3 LINTEL WITH 8" BEARING.
   C. FOR OPENINGS 10'-1" TO 16'-0" IN CMU + BRICK WALLS, PROVIDE TYPE ML2A LINTEL WITH 8" BEARING. FOR OPENINGS 10'-1" TO 16'-0 IN CMU WALLS, PROVIDE TYPE ML3A LINTEL WITH 8" BEARING.
6. ALL EXTERIOR LINTELS SHALL BE HOT-DIPPED GALVANIZED.
7. STEEL FABRICATOR TO INSTALL WIRE TIES TO BEAM DURING LINTEL FABRICATION. COORDINATE LOCATION AND SPACING WITH MASONRY CONTRACTOR.

15 TYPICAL LOAD BEARING LINTELS
S401 NTS



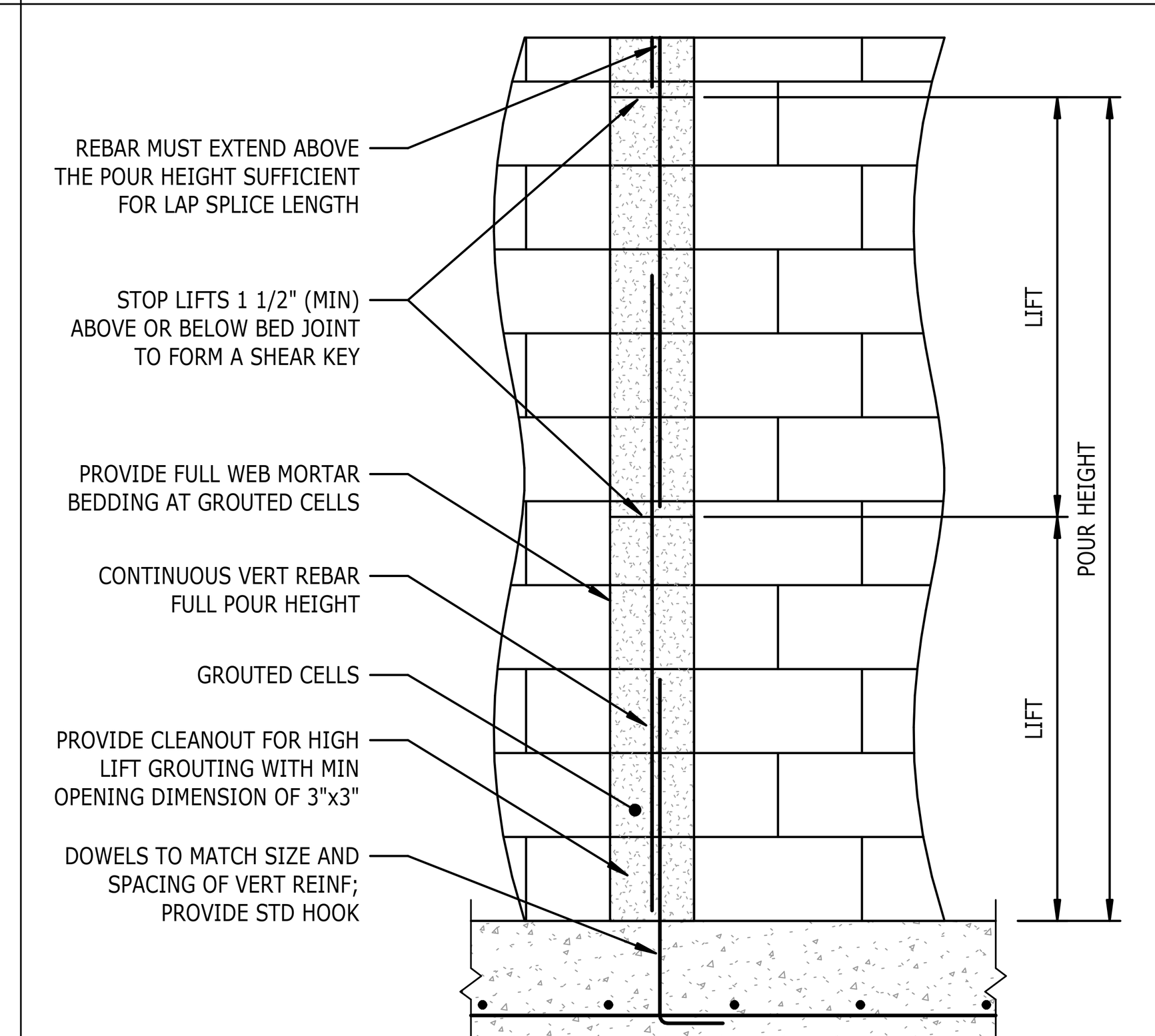
NOTE:
1. WALL REINFORCEMENT PER SCHEDULE.
2. CONTRACTOR MAY EMPLOY INTERSECTION DETAILING HEREIN WHEN SEQUENCING OR BLOCK COURSING PROHIBITS INTERLOCKED CONSTRUCTION.

11 TYPICAL NON-BEARING WALL INTERSECTION
S401 NTS



NOTES:
1. PROVIDE DOWELS TO FOUNDATION MATCHING SIZE OF VERTICAL REINFORCING, TYPICAL. SEE GENERAL NOTES OR MINIMUM SPLICE AND EMBEDMENT LENGTH SCHEDULE FOR LAP REQUIREMENTS.
2. ALL CONTROL JOINT LOCATIONS SHALL BE COORDINATED WITH THE ARCHITECTURAL DRAWINGS. FOR INTERIOR PARTITION WALLS, JOINTS SHALL HAVE A MAXIMUM SPACING DETERMINED FROM THE LESSER OF 1 1/2 TIMES THE WALL HEIGHT AND 25 FEET. FOR STRUCTURAL WALLS, CONTACT THE ENGINEER OF RECORD IF JOINTS ARE NOT LOCATED ON PLAN.
3. MASONRY WALL CONTROL JOINTS SHALL NOT BE LOCATED WITHIN 24" OF THE EDGES OF WALL OPENINGS.
4. DO NOT INSTALL CONTROL JOINTS IN STAIR OR ELEVATOR CORE WALLS.
5. MASONRY WALL CONTROL JOINTS DO NOT NECESSARILY ALIGN WITH VENEER CONTROL JOINT LOCATIONS. DO NOT INSTALL MASONRY WALL CONTROL JOINTS ONLY AT VENEER JOINT LOCATIONS.
6. WHERE A CONTROL JOINT OCCURS WITHIN A MASONRY SHEAR WALL, END WALL REINFORCING MUST BE INSTALLED ON EACH SIDE OF THE JOINT.

7 TYPICAL MASONRY WALL CONTROL JOINT
S401 NTS

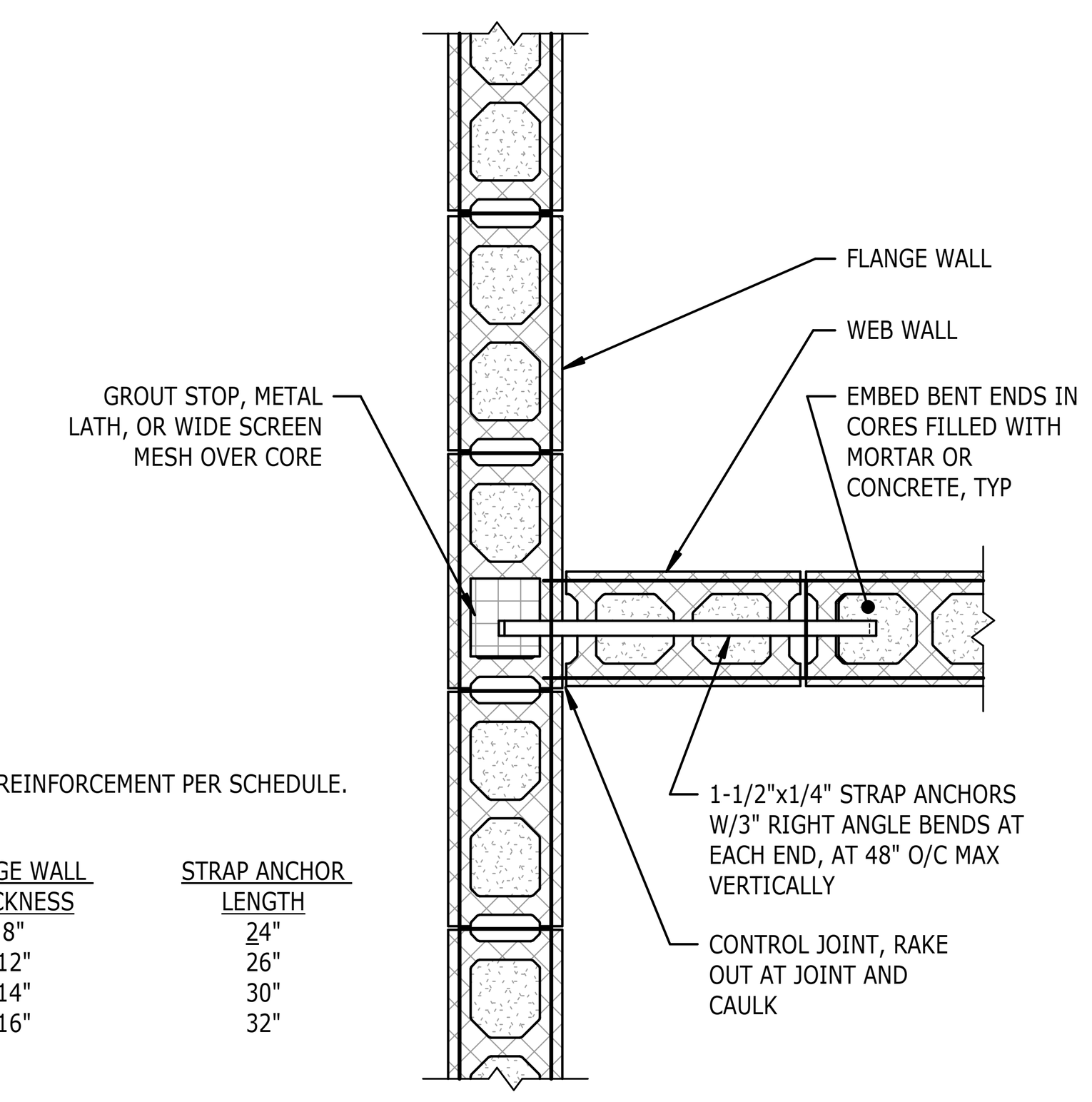


GENERAL GROUTING REQUIREMENTS:
1. ALL REINFORCED CELLS SHALL BE GROUTED SOLID.
2. REINFORCING BARS SHALL BE IN PROPER POSITION PRIOR TO PLACEMENT OF GROUT, NOT PUSHED DOWN INTO PREVIOUSLY PLACED GROUT. SAME REQUIREMENT APPLIES FOR EMBEDDED BOLTS AND FASTENERS.
3. MORTAR BEDDING UNDER THE FIRST COURSE OF BLOCK CELLS TO BE GROUTED SHALL PERMIT GROUT TO COME INTO DIRECT CONTACT WITH FOUNDATION.
4. PLACE MORTAR ON CROSS WEBS ADJACENT TO ALL GROUTED CELLS.
5. MORTAR THAT PROJECTS MORE THAN 1/2" INTO CELLS THAT ARE TO BE GROUTED SHALL BE REMOVED.
6. GROUTED CELLS SHALL BE MECHANICALLY VIBRATED DURING PLACEMENT OF GROUT. TEN MINUTES AFTER PLACING GROUT, EACH GROUTED CELL SHALL BE RECONSOLIDATED WITH A VIBRATOR.
7. METAL LATH SHALL BE PLACED UNDER ALL BOND BEAMS IN ORDER TO CONTAIN GROUT. FELT OR OTHER BOND BREAKING MATERIAL IS NOT PERMITTED. AS AN ALTERNATIVE TO THIS, "U"-SHAPED LINTEL BLOCKS MAY BE USED FOR BOND BEAMS.
8. EITHER LOW LIFT GROUTING OR HIGH LIFT GROUTING PROCEDURES MAY BE UTILIZED, AT THE CONTRACTOR'S OPTION.

LOW LIFT GROUTING PROCEDURE:
1. LAY WALL TO MAXIMUM OF 5'-0".
2. CLEAN MORTAR AND OTHER DEBRIS FROM CELLS TO BE GROUTED.
3. PLACE REINFORCING BARS IN PROPER POSITION.
4. PLACE GROUT UP TO LIFT HEIGHT AND VIBRATE.

HIGH LIFT GROUTING PROCEDURE:
1. CLEANOUT OPENINGS SHALL BE PROVIDED IN THE FACE SHELLS OF THE BOTTOM COURSE OF ALL CELLS TO BE GROUTED. OPENINGS SHALL BE LARGE ENOUGH TO ALLOW REMOVAL OF DEBRIS.
2. LAY WALL TO MAXIMUM POUR HEIGHT AND CLEAN DEBRIS FROM OPENINGS. PLACE REINFORCING BARS IN PROPER POSITION.
3. CLEAN MORTAR AND OTHER DEBRIS FROM CELLS TO BE GROUTED.
4. MASONRY SHALL CURE A MINIMUM OF 4 HOURS PRIOR TO GROUTING.
5. PLACE GROUT TO THE FOLLOWING HEIGHTS: MAXIMUM LIFT HEIGHT IS 5'-0"; MAXIMUM POUR HEIGHT IS 12'-0" UNLESS EXPRESSLY COORDINATED WITH THE STRUCTURAL ENGINEER.
6. AFTER THE LIFT IS POURED, VIBRATE TO ELIMINATE ALL AIR VOIDS. WAIT BETWEEN 3 AND 10 MINUTES, THEN RECONSOLIDATE BY VIBRATING AGAIN. CONTINUE THIS PROCEDURE FOR FULL POUR HEIGHT. RECONSOLIDATE THE PRIOR LIFT BY EXTENDING THE VIBRATOR THROUGH THE CURRENT LIFT INTO THE PREVIOUS LIFT.
7. GROUT SLUMP MUST BE MAINTAINED BETWEEN 10 AND 11 INCHES FOR HIGH LIFT GROUTING.

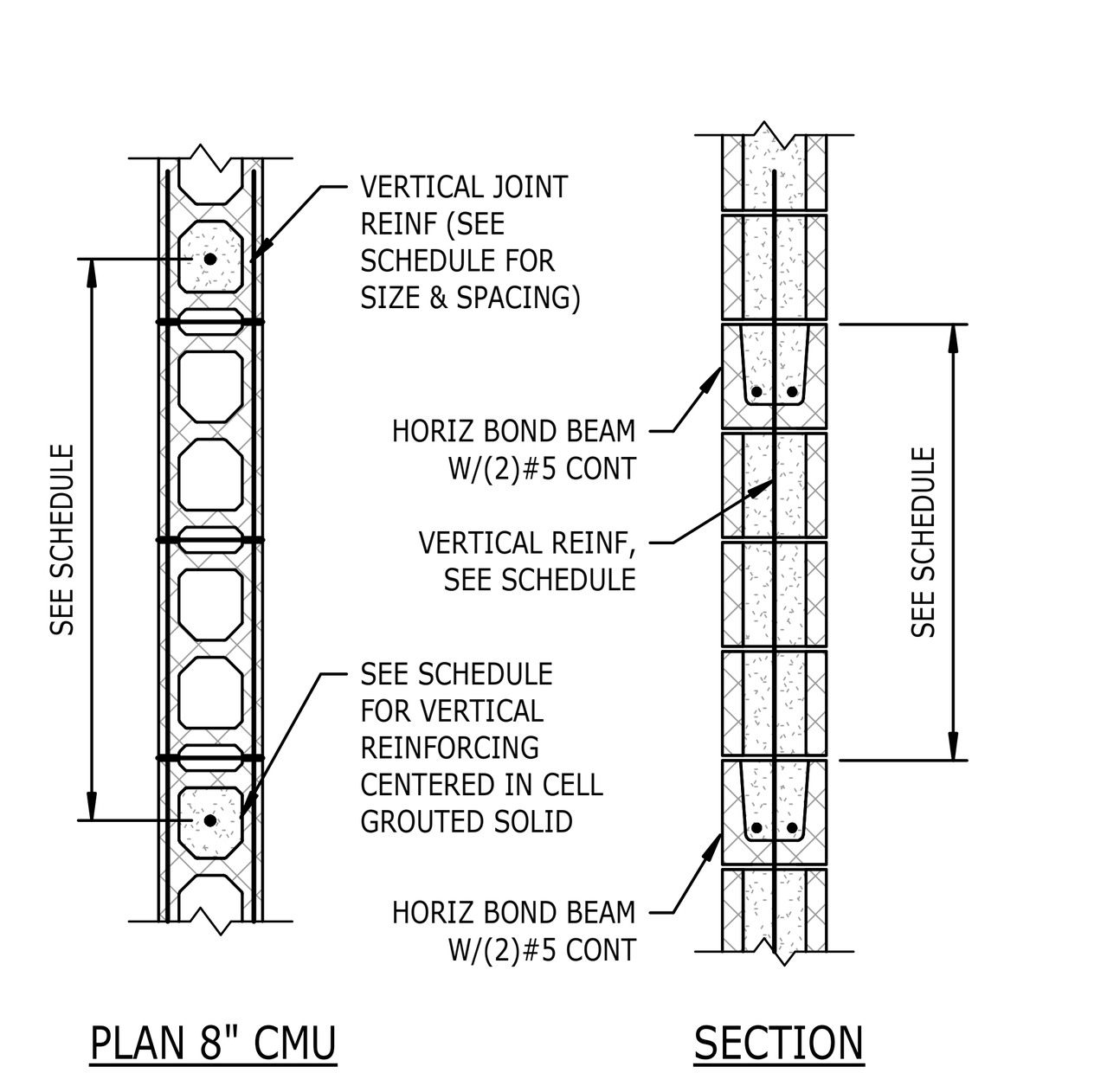
3 TYPICAL MASONRY GROUT REQUIREMENTS
S401 NTS



NOTE:
1. WALL REINFORCEMENT PER SCHEDULE.

FLANGE WALL THICKNESS	STRAP ANCHOR LENGTH
8"	24"
12"	26"
14"	30"
16"	32"

12 TYPICAL LOAD BEARING WALL INTERSECTION
S401 NTS



8 TYPICAL WALL REINFORCING
S401 NTS

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

STEWART
101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202
T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #S25065

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:
NO. DATE DESCRIPTION



02/06/2026

PRINCIPAL IN CHARGE: PAA
PROJECT ENGINEER: KAB
DRAWN BY: DB

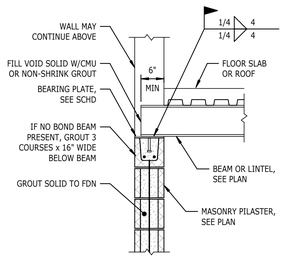
SHEET TITLE:
CMU DETAILS

SHEET NO.: S401
PROJ. NO. 024370.01

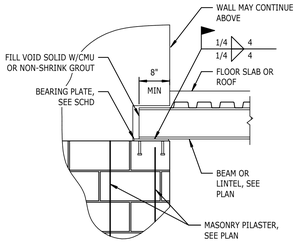
2/6/2026 12:10:14 PM Autodesk Docs://024370.00_Brunswick County Health & Human Services/S25065_BrunswickCoHHS_STRU_R23.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ELSE ALL COPIES ARE TO BE DESTROYED ON REQUEST AT THE COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

2/6/2026 11:24:15 PM - Autodesk Docs://2025 BC Brunswick County Health & Human Services/BCHHS_Brunswick.rvt



BEAM BEARING PERPENDICULAR TO WALL



BEAM BEARING PARALLEL TO WALL

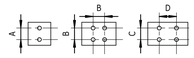
BEARING PLATE SCHEDULE				
MARK	THICKNESS	WIDTH	LENGTH	# OF x6" LONG HEADED STUDS
CASE 1	1/2"	7"	7"	(2)1/2"Ø
CASE 2	1/2"	11"	11"	(4)1/2"Ø
CASE 3	3/4"	7"	12"	(4)1/2"Ø
CASE 4	3/4"	11"	16"	(4)1/2"Ø

CASE 1 = AT JOIST, BEAMS NOT SUPPORTING OTHER BEAMS, AND LINTELS BEARING ON 8" WALLS.

CASE 2 = AT JOIST, BEAMS NOT SUPPORTING OTHER BEAMS, AND LINTELS BEARING ON 12" WALLS.

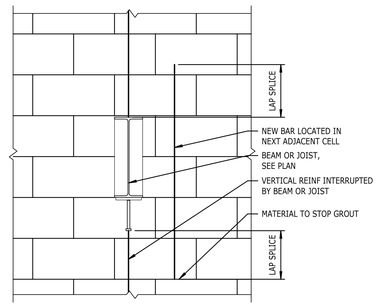
CASE 3 = AT BEAMS SUPPORTING JOISTS OR OTHER BEAMS BEARING ON 8" WALLS.

CASE 4 = AT BEAMS SUPPORTING JOISTS OR OTHER BEAMS BEARING ON 12" WALLS.

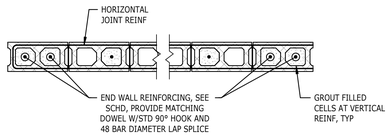


A = 3" @ CASE 1
B = 7" @ CASE 2
C = 3" @ CASE 3, 7" @ CASE 4
D = 8" @ CASE 3, 12" @ CASE 4

13 S402 TYPICAL STEEL BEAM BEARING
3/4" = 1'-0"



18 S402 TYPICAL INTERRUPTED REINFORCING
1" = 1'-0"



NOTES:
1. ALTERNATE COURSES (LAY BLOCK IN RUNNING BOND).
2. SEE SHEAR WALL SCHEDULE FOR HORIZONTAL REINFORCING.
3. AT 12" CMU BARS MAY BE DOUBLE. TWO BARS PER CELL IS A BAR "SET".

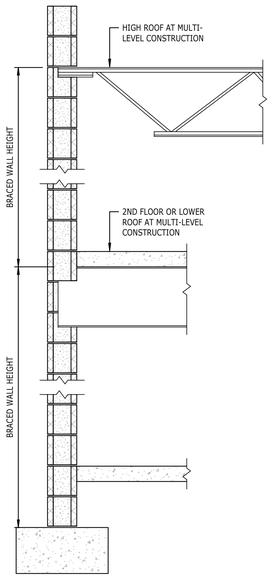
14 S402 TYPICAL SHEAR WALL REINFORCING
3/4" = 1'-0"

MASONRY WALL SCHEDULE						
	BRACED WALL HEIGHT	VERTICAL REINFORCING				HORIZONTAL REINFORCING
		8" CMU		12" CMU		
		VERTICAL REINFORCING	END WALL REINFORCING	VERTICAL REINFORCING	END WALL REINFORCING	
INTERIOR BEARING, (ELEVATOR AND STAIRS) AND NON-CANTILEVERED WALLS	UP TO 16'-0"	#6@48"OC	(1)#6	N/A	N/A	9 GA LADDER TYPE @16"OC

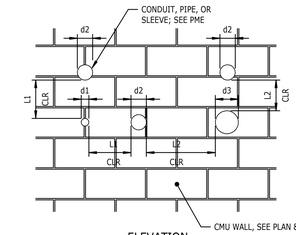
NOTES:
1. PROVIDE DOWELS EXTENDING INTO FOUNDATIONS FOR ALL VERTICAL REINFORCING BARS. SIZE AND LOCATION OF DOWELS TO MATCH VERTICAL REINFORCING.
2. PROVIDE (2)#5 BARS IN BOND BEAM AT EACH ELEVATED FLOOR LEVEL AND AT THE TOP OF WALLS. CONTRACTOR TO COORDINATE ELEVATIONS WITH BEARING, CLIPS, STAIR ATTACHMENTS, ETC.
3. ALL MASONRY TO BE CONSTRUCTED IN RUNNING BOND BEAM PATTERN WITH INTERLOCKING CORNERS.

VERTICAL SPANNING WALLS:
1. ALL VERTICAL SPANNING WALLS ARE TO BE ANCHORED TO STEEL STRUCTURE PER OTHER DETAILS.
2. ALL WALLS EXTEND TO STRUCTURE FOR THIS PROJECT. IF WALLS DO NOT EXTEND TO STRUCTURE, WALLS SHALL BE LATERALLY BRACED IN ACCORDANCE WITH OTHER DETAILS.

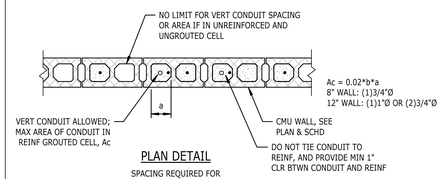
5 S402 WALL REINFORCING SCHEDULE
3/4" = 1'-0"



WALL SECTION MULTI-STORY



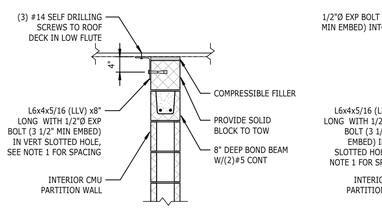
ELEVATION
SPACING REQUIRED FOR UTILITY PENETRATION



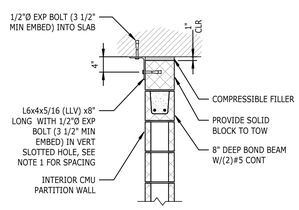
PLAN DETAIL
SPACING REQUIRED FOR UTILITY PENETRATION

NOTES:
1. REFER TO PME DRAWINGS FOR ALL TELECOM, CONDUIT, AND PIPES 8"Ø AND SMALLER. CONTRACTOR TO FOLLOW DETAIL SPACING REQUIREMENTS FOR LAYOUT. IF SPACING CANNOT BE MAINTAINED, PENETRATIONS MUST BE GROUPED BELOW CMU LINTEL. SEE ADDITIONAL TYPICAL DETAILS.
2. CONDUITS SHALL NOT PENETRATE BOND BEAMS NOR LINTELS.
3. PIPES WITH LIQUID, GAS, OR VAPORS HIGHER THAN 150°F ARE NOT PERMITTED VERTICALLY WITHIN WALLS.
4. PIPES WITH PRESSURE IN EXCESS OF 55 PSI ARE NOT PERMITTED VERTICALLY WITHIN WALLS.
5. PIPES WITH WATER OR LIQUID SUBJECT TO FREEZING ARE NOT PERMITTED VERTICALLY WITHIN WALLS.

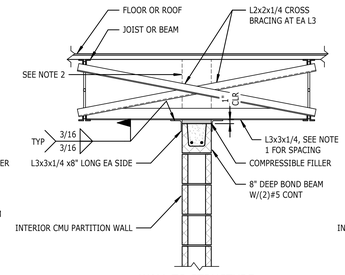
1 S402 ALLOWABLE WALL CONDUIT PENETRATIONS
NTS



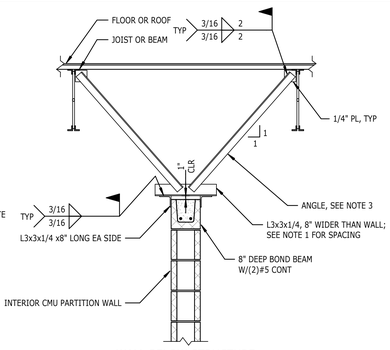
WALL TO STRUCTURE AT ROOF (ONE SIDED)



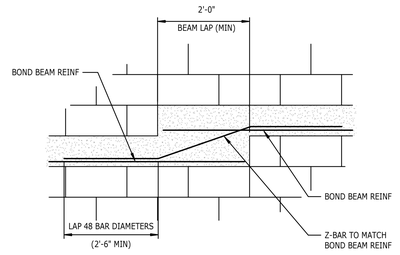
WALL TO STRUCTURE AT SLAB (ONE SIDED)



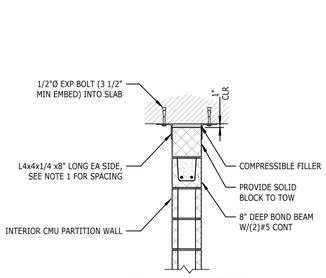
WALL TO STRUCTURE PARALLEL TO WALL



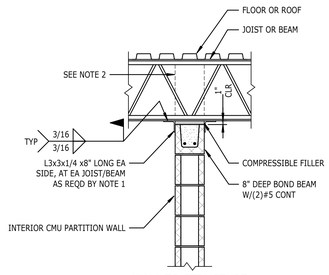
WALL BELOW STRUCTURE PARALLEL TO WALL



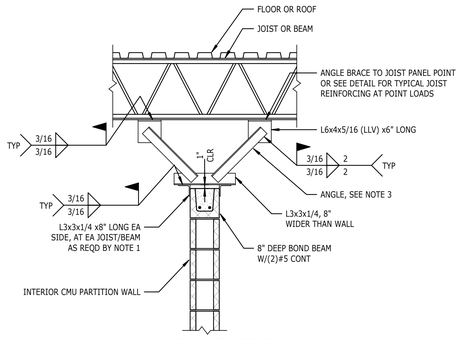
3 S402 TYPICAL STEP IN BOND BEAM
3/4" = 1'-0"



WALL TO STRUCTURE AT SLAB (TWO SIDED)



WALL TO STRUCTURE PERPENDICULAR TO WALL



WALL BELOW STRUCTURE PERPENDICULAR TO WALL

NOTES:
1. TOPS OF ALL INTERIOR PARTITION WALLS SHALL BE BRACED PER THIS DETAIL AT A SPACING NOT TO EXCEED 24'-0" FOR 8" CMU OR LARGER, 18'-0" FOR 6" CMU, AND 12'-0" FOR 4" CMU. INTERSECTING WALLS BUILT WITH INTERLOCKING BLOCKS OR DETAILED PER THE TYPICAL INTERSECTION AT NON-LOAD BEARING WALLS DETAIL (NOT EXCEEDING THE SPACING NOTED) MAY ALSO BE CONSIDERED TO BRACE THE PARTITION.
2. SEE ARCHITECTURAL DRAWINGS FOR TOP OF WALL ELEVATIONS.
3. USE L2x2x1/4 FOR LENGTHS LESS THAN 6'-0", L3x3x1/4 FOR LENGTHS UP TO 9'-0", AND L4x4x1/4 FOR LENGTHS UP TO 12'-0".

7 S402 TYPICAL INTERIOR PARTITION BRACING
NTS

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

STEWART
101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202
T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #525065

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION



02/06/2026

PRINCIPAL IN CHARGE: PAA
PROJECT ENGINEER: KAB
DRAWN BY: DB

SHEET TITLE:
CMU DETAILS

SHEET NO. S402
PROJ. NO. 024370.01

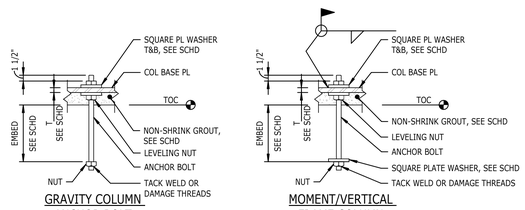
STEEL COLUMN SCHEDULE

STAIR ROOF																													STAIR ROOF
78'-0" ROOF																													78'-0" ROOF
T.O. STEEL LOW																													T.O. STEEL LOW
64'-0" LEVEL 04	W10x39	W12x65	W10x33	HSS16x16x1/2	W10x33	W12x65	W12x65	W12x65	W10x39	W12x65	W12x65	W10x39	W12x65	W10x45	W12x65	W12x65	W10x33	HSS6x6x5/16	HSS12x8x5/8	HSS10x8x5/8	W10x39	HSS12.75x.500	W10x54		W12x65	HSS12.75x.500		HSS16x16x1/2	W10x39	64'-0" LEVEL 04
48'-0" LEVEL 03																								W12x65						48'-0" LEVEL 03
32'-0" LEVEL 02	W10x54	W12x65	W10x49	HSS16x16x1/2	W10x54	W12x65	W12x79	W12x72	W10x68	W12x65	W12x65	W10x68	W12x65		W10x68	W12x65	W12x65	W10x49	HSS6x6x5/16	HSS12x8x5/8	HSS10x8x5/8	W10x49	HSS12.75x.500		W12x65	W12x65	HSS12.75x.500		HSS16x16x1/2	W10x54	32'-0" LEVEL 02
16'-0" LEVEL 01														W10x45													HSS6x6x5/16			16'-0" LEVEL 01
0"																														0"
Column Locations	A-1, D-1, H-8	A-2, A-3, D-5, E-9, E-10, H-9, H-10	A-4, H-7	A-5	A-6	A.5-4	B-1, C-1	B-2	B-3	B-4, C-4	B-5, C-5	B-6	B.2-2, C-1.5, C-2, F-10.1, F-11, F.3-10.1, G-10.1, G-11	B.5-1	C-3	C.6-5	D-2, D-3	D-4	D.2-5.5	D.5-8.5	D.5-9.4, F-11.5, F.8-11.5	E-11, H-11	F-7	F-8.3	F-9, G-9	F.3-8.3, G-8.3	G-7	BB-4	BB-5	D-E	

NOTE:
1. SEE COLUMN SPLICE DETAILS ON S503 AND LOCATIONS SHOWN IN COLUMN SCHEUDLE.

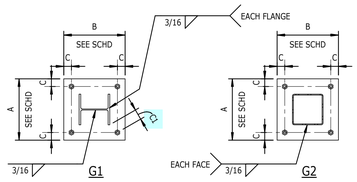
STEEL COLUMN BASE PLATE SCHEDULE

LOCATION	SIZE	BASE PLATE SIZE (TxAxB)	ANCHOR BOLTS	PATTERN TYPE	EMBEDMENT DEPTH
A-1	W10x54	1 1/4"x16"x16"	(4)3/4"Ø	G1	12"
A-2	W12x65	2"x32"x21"	(12)1 1/2"Ø	VF1	20"
A-3	W12x65	2"x32"x21"	(12)1 1/2"Ø	VF1	20"
A-4	W10x49	1 1/4"x16"x16"	(4)3/4"Ø	G1	12"
A-5	HSS16x16x1/2	1 3/4"x26"x26"	(8)1 1/2"Ø	MF2	16"
A-6	W10x54	1 1/4"x16"x16"	(4)3/4"Ø	G1	12"
A.5-4	W12x65	2"x32"x32"	(12)1 1/2"Ø	VF1	20"
AA-4	HSS6x6x5/16	3/4"x12"x12"	(4)3/4"Ø	G2	12"
B-1	W12x79	2"x32"x32"	(12)1 1/2"Ø	VF6	20"
B-2	W12x72	1 1/2"x20"x20"	(4)3/4"Ø	G1	12"
B-3	W10x68	1 1/2"x18"x18"	(4)3/4"Ø	G1	12"
B-4	W12x65	2"x32"x32"	(12)1 1/2"Ø	VF1	20"
B-5	W12x65	1 1/2"x20"x20"	(4)3/4"Ø	G1	12"
B-6	W10x68	1 1/2"x18"x18"	(4)3/4"Ø	G1	12"
B.2-2	W12x65	2 1/4"x43"x43"	(12)2"Ø	VF1	20"
B.5-1	W10x45	1 1/4"x22"x32"	(6)2"Ø	VF4	20"
BB-4	HSS6x6x5/16	3/4"x12"x12"	(4)3/4"Ø	G2	12"
BB-5	HSS16x16x1/2	1 3/4"x26"x26"	(8)1 1/2"Ø	MF2	16"
C-1	W12x79	2"x32"x32"	(12)1 1/2"Ø	VF6	20"
C-1.5	W12x65	2"x32"x32"	(12)1 1/2"Ø	VF1	20"
C-2	W12x65	1 3/4"x32"x32"	(6)2"Ø	VF5	20"
C-3	W10x68	1 1/2"x18"x18"	(4)3/4"Ø	G1	12"
C-4	W12x65	1 1/2"x20"x20"	(4)3/4"Ø	G1	12"
C-5	W12x65	1 1/2"x20"x20"	(4)3/4"Ø	G1	12"
C.6-5	W12x65	2"x32"x32"	(12)1 1/2"Ø	VF1	20"
D-1	W10x54	1 1/4"x16"x16"	(4)3/4"Ø	G1	12"
D-2	W12x65	2"x32"x32"	(12)1 1/2"Ø	VF1	20"
D-3	W12x65	2"x32"x32"	(12)1 1/2"Ø	VF1	20"
D-4	W10x49	1 1/4"x16"x16"	(4)3/4"Ø	G1	12"
D-5	W12x65	1 3/4"x32"x32"	(6)2"Ø	VF5	20"
D-E	W10x54	1 1/4"x16"x16"	(4)3/4"Ø	G1	12"
D.2-5.5	HSS6x6x5/16	1"x12"x12"	(5)3/4"Ø	G2	12"
D.5-8.5	HSS12x8x5/8	1 1/4"x20"x20"	(6)1"Ø	MF1	12"
D.5-9.4	HSS10x8x5/8	1 1/4"x18"x18"	(6)1"Ø	MF1	12"
E-9	W12x65	2"x32"x32"	(12)1 1/2"Ø	VF1	20"
E-10	W12x65	2"x32"x32"	(12)1 1/2"Ø	VF1	20"
E-11	W10x49	1 1/4"x16"x16"	(4)3/4"Ø	G1	12"
F-7	HSS12.75x.500	1 1/2"x20"x20"	(4)3/4"Ø	G2	12"
F-9	W12x65	1 1/2"x20"x20"	(4)3/4"Ø	G1	12"
F-10.1	W12x65	2"x32"x32"	(12)1 1/2"Ø	VF1	20"
F-11	W12x65	2 1/2"x32"x32"	(12)2"Ø	VF3	20"
F-11.5	HSS10x8x5/8	1 1/4"x18"x18"	(6)1"Ø	MF1	12"
F.3-8.3	W12x65	1 3/4"x32"x32"	(6)2"Ø	VF5	20"
F.3-10.1	W12x65	2 1/4"x43"x43"	(12)2"Ø	VF1	20"
F.8-11.5	HSS10x8x5/8	1 1/4"x18"x18"	(6)1"Ø	MF1	12"
G-7	HSS12.75x.500	1 1/2"x20"x20"	(4)3/4"Ø	G2	12"
G-8.3	W12x65	2"x32"x32"	(12)1 1/2"Ø	VF1	20"
G-9	W12x65	1 1/2"x20"x20"	(4)3/4"Ø	G1	12"
G-10.1	W12x65	2"x32"x32"	(12)1 1/2"Ø	VF1	20"
G-11	W12x65	2"x32"x32"	(12)1 1/2"Ø	VF1	20"
H-7	W10x49	1 1/4"x16"x16"	(4)3/4"Ø	G1	12"
H-8	W10x54	1 1/4"x16"x16"	(4)3/4"Ø	G1	12"
H-9	W12x65	2 1/4"x43"x43"	(12)2"Ø	VF1	20"
H-10	W12x65	2 1/4"x43"x43"	(12)2"Ø	VF1	20"
H-11	W10x49	1 1/4"x16"x16"	(4)3/4"Ø	G1	12"
Grand total: 55					

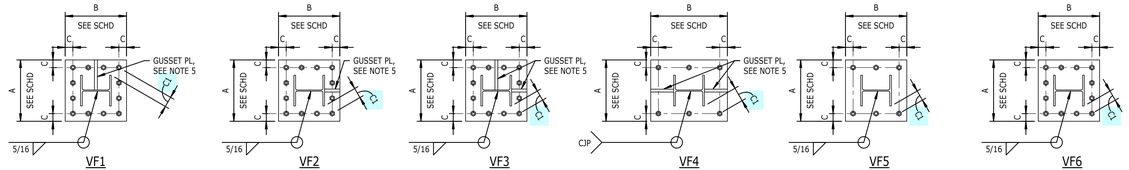


GRAVITY COLUMN ANCHOR BOLT

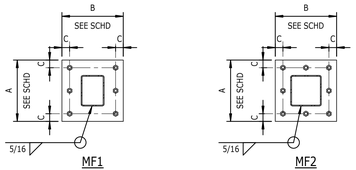
MOMENT/VERTICAL FRAME COLUMN ANCHOR BOLT



G1 G2



VF1 VF2 VF3 VF4 VF5 VF6



MF1 MF2

BOLT SIZE	3/4"Ø	1"Ø	1 1/4"Ø	1 1/2"Ø	1 3/4"Ø	2"Ø
BOLT GRADE (KSI)	36	55	55	55	55	55
DIMENSION 'C'	1 1/2"	2"	2"	2 1/4"	2 1/2"	2 3/4"
TIGHTENING CLEARANCE 'C1'	1 3/16"	1 3/8"	1 13/16"	2"	NA	NA
SQUARE PL WASHER SIZE	1/4"x2"*	3/8"x3"*	1/2"x3"	1/2"x3 1/2"	5/8"x4"	3/4"x5"
GROUT THICKNESS	2"	2"	2"	3"	3"	3"

NOTES:
1. ALL BASE PLATES TO BE ASTM A572, GRADE 50, UNO.
2. ALL BASE PLATES TO BE FULLY LEVELED AND GROUTED PRIOR TO ANY ELEVATED SLAB POUR.
3. BASE PLATE TYPES AT GRAVITY COLUMNS ARE DENOTED AS 'G#', TYPES AT VERTICAL FRAME COLUMNS ARE DENOTED AS 'VF#', AND TYPES AT MOMENT FRAME COLUMNS ARE DENOTED AS 'MF#'.
4. 'C' DIMENSION IS FOR LAYING OUT ANCHOR BOLTS FROM THE EDGE OF THE BASE PLATE. 'C1' DIMENSION IS THE MINIMUM TIGHTENING CLEARANCE PER THE ANCHOR BOLT SIZE, PROVIDED FOR INFORMATIONAL PURPOSES ONLY.
5. AT VERTICAL FRAME COLUMNS, BASE PLATE DIMENSION IN THE DIRECTION OF THE FRAME MAY BE INCREASED AS REQUIRED BY THE GUSSET CONNECTION DESIGN. ANCHOR BOLTS AS NOTED IN THE SCHEDULE SHALL BE LAID OUT ACCORDING TO THE SCHEDULED BASE PLATE SIZE. (*) INCREASE SQUARE PLATE WASHER THICKNESS TO A MINIMUM OF 1/2" AT ALL MOMENT/VERTICAL FRAME COLUMN ANCHOR BOLTS.

1 S501 STEEL COLUMN AND BASE PLATE SCHEDULE
NTS

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THEY ARE NOT TO BE USED ON ANY OTHER PROJECT AND WITH RESPECT TO THIS PROJECT AND SET TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR STORED, ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

STEWART
101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202
T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #525065

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

NORTH CAROLINA PROFESSIONAL SEAL 041315 ENGINEER PETTINA A. AGNELLO

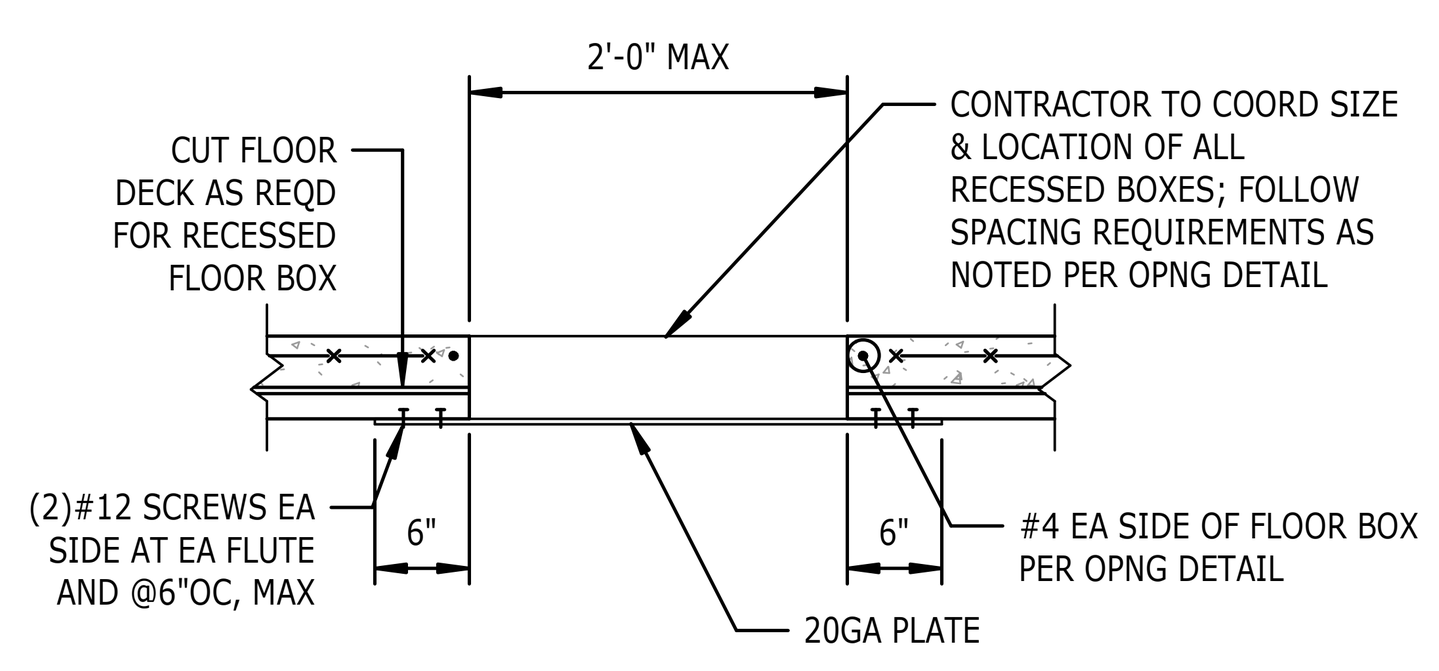
02/06/2026

PRINCIPAL IN CHARGE: PAA
PROJECT ENGINEER: KAB
DRAWN BY: DB

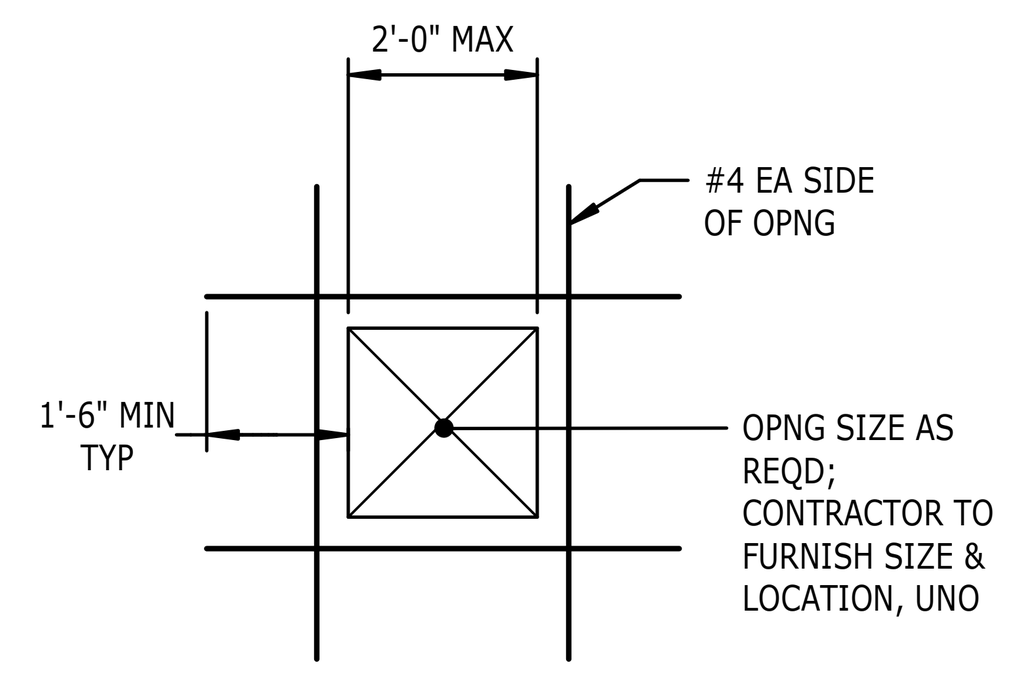
SHEET TITLE:
STEEL COLUMN DETAILS AND SCHEDULES

SHEET NO. S501
PROJ. NO. 024370.01

5 4 3 2 1

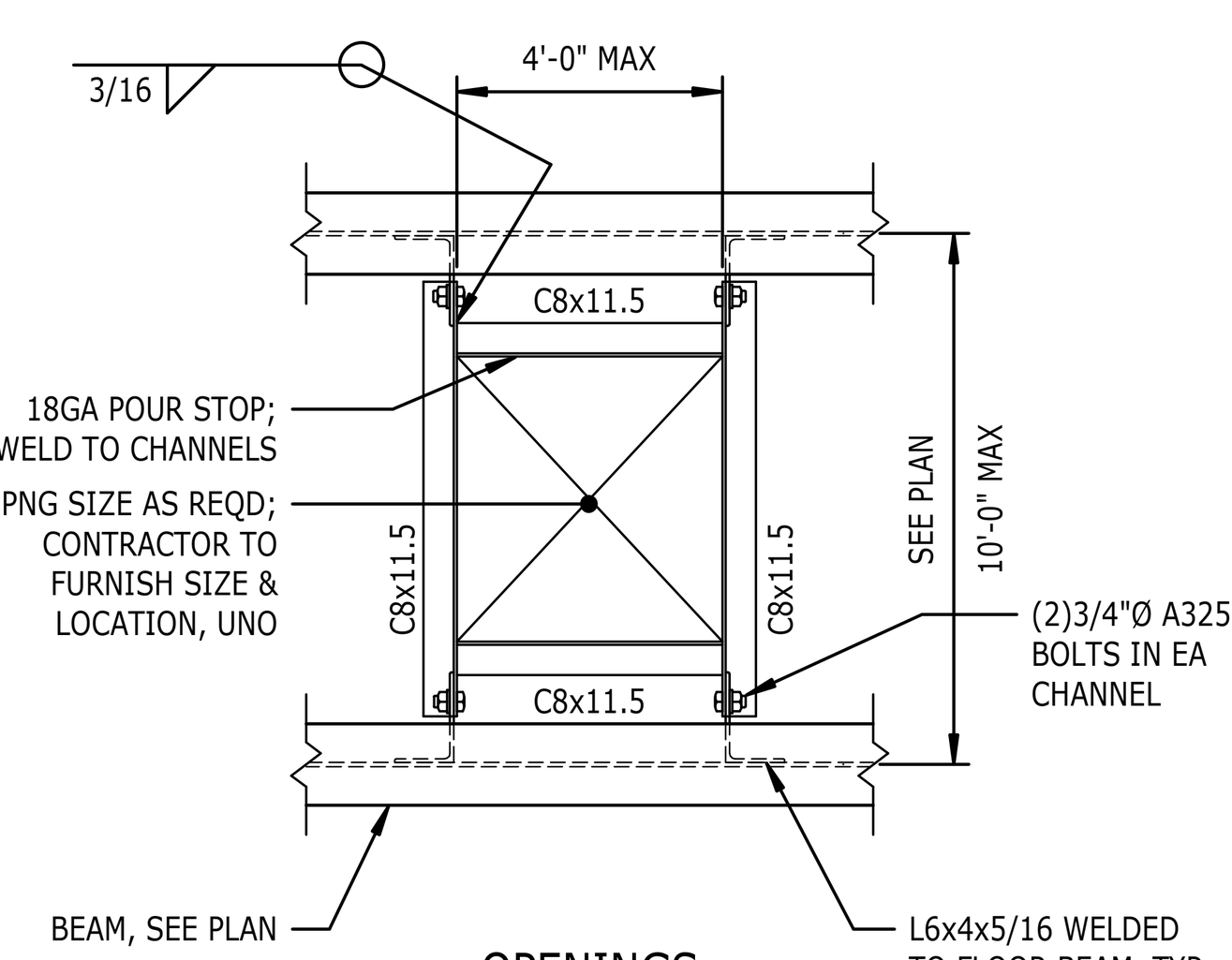


RECESSED FLOOR BOX



OPENINGS
10" TO 2'-0"

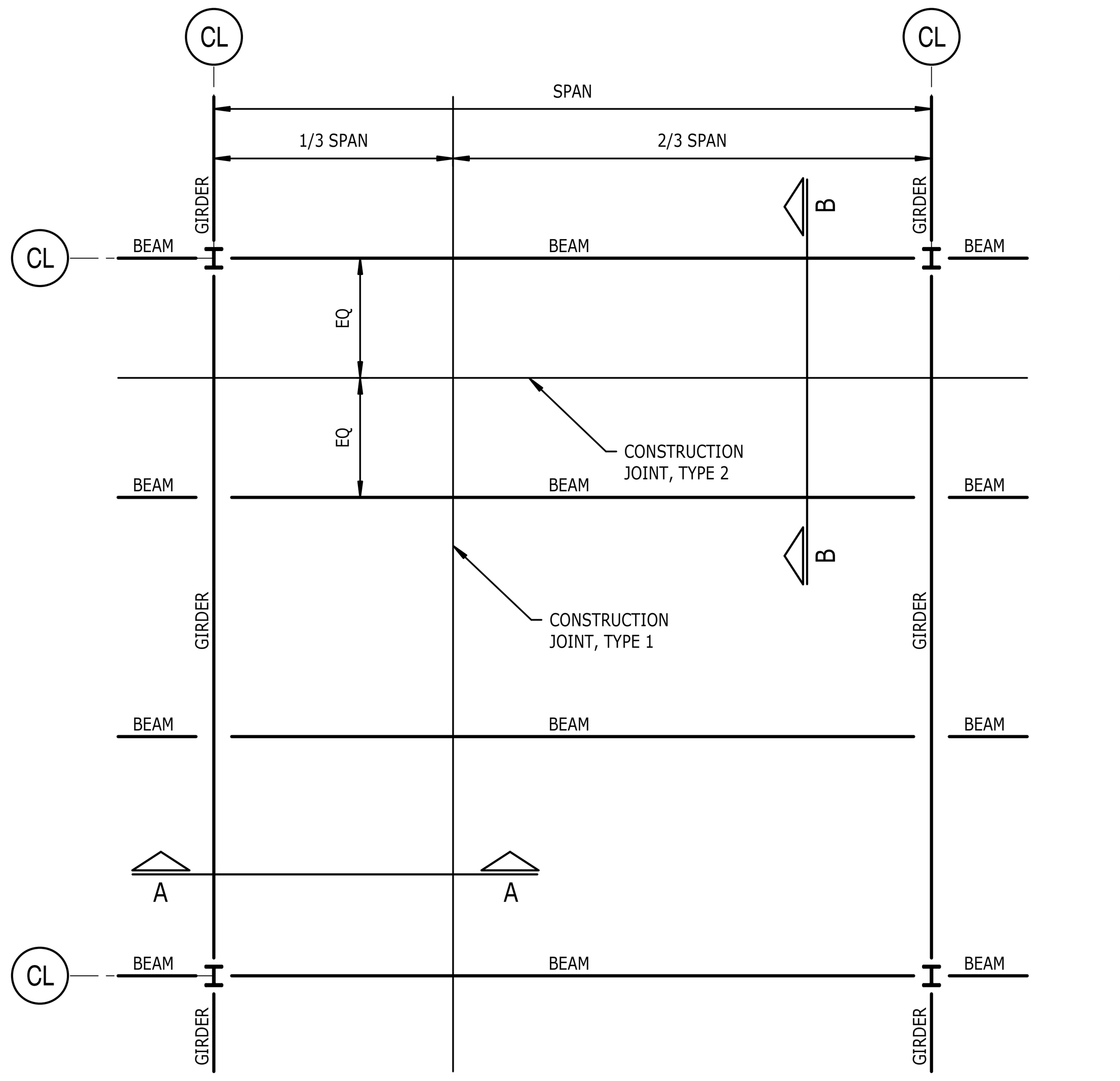
NOTES:
1. PROVIDE REINFORCING AROUND ALL DUCT PENETRATIONS, CHASES, ELECTRICAL BOXES, PLUMBING PIPES, AND OTHER OPENINGS IN SLABS, FOR OPENINGS FROM 10"x10" (OR 10"Ø) TO 2'-0"x2'-0" (OR 24"Ø).
2. OPENINGS THAT ARE SPACED CLOSER THAN (2) TIMES THE OPENING SIZE SHALL BE CONSIDERED ONE OPENING.
3. MINIMUM CLEAR DISTANCE BETWEEN OPENINGS IS 2'-0".
4. ALL OPENINGS 10" TO 2'-0" MAY NOT BE SHOWN ON STRUCTURAL DRAWINGS.
5. OPENINGS GREATER THAN 2'-0" NOT SHOWN ON STRUCTURAL DRAWINGS REQUIRE APPROVAL BY THE ENGINEER OF RECORD.



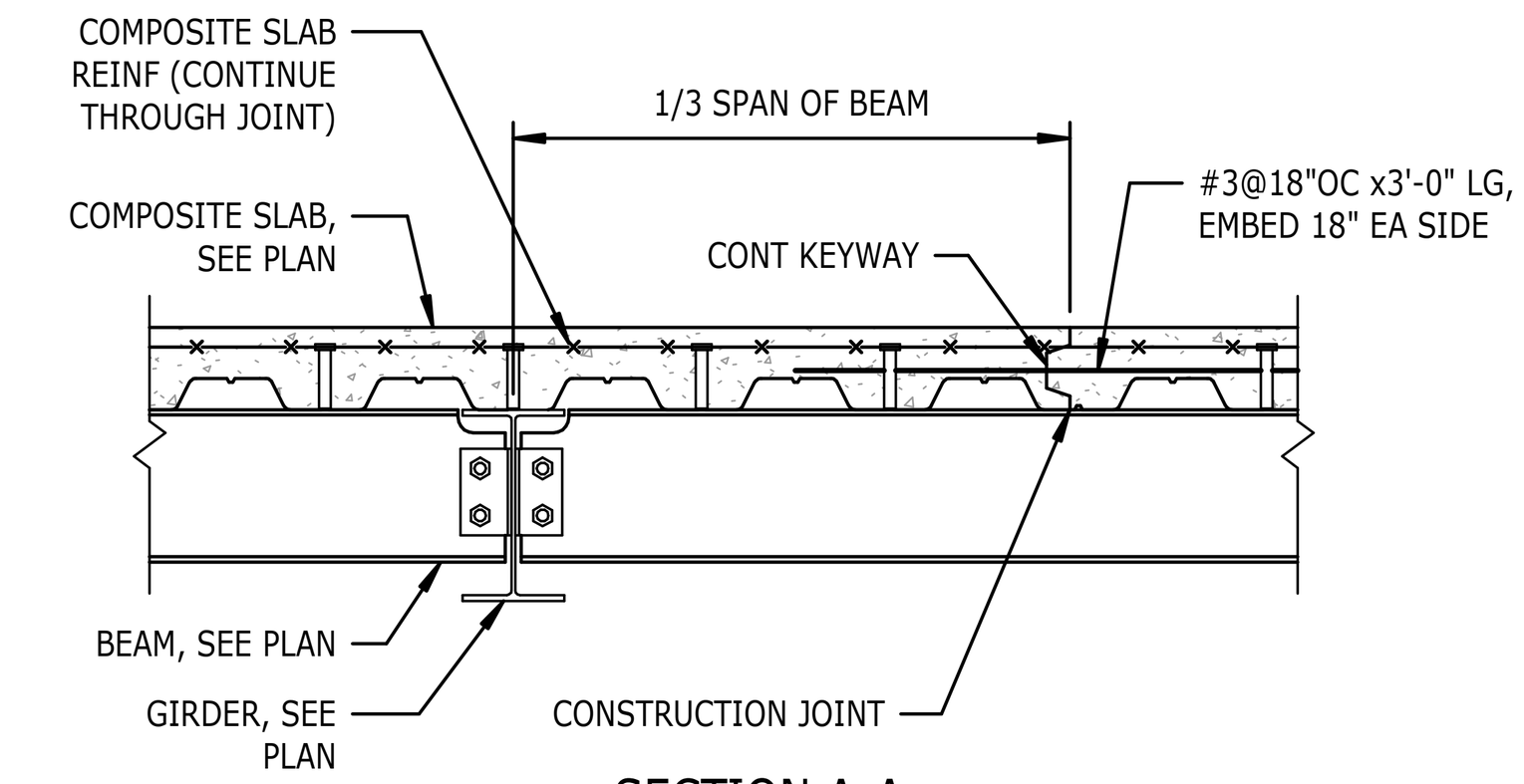
OPENINGS
2'-0" TO 4'-0"

NOTES:
1. PROVIDE CHANNEL FRAMING AROUND ALL DUCT PENETRATIONS, CHASES, ELECTRICAL BOXES, PLUMBING PIPES, AND OTHER OPENINGS IN SLABS, FOR OPENINGS LARGER THAN 2'-0"x2'-0" (OR 24"Ø).
2. OPENINGS THAT ARE SPACED CLOSER THAN (2) TIMES THE OPENING SIZE SHALL BE CONSIDERED ONE OPENING.
3. MINIMUM CLEAR DISTANCE BETWEEN OPENINGS IS 1'-0".
4. OPENINGS GREATER THAN 2'-0" NOT SHOWN ON STRUCTURAL DRAWINGS REQUIRE APPROVAL BY THE ENGINEER OF RECORD.

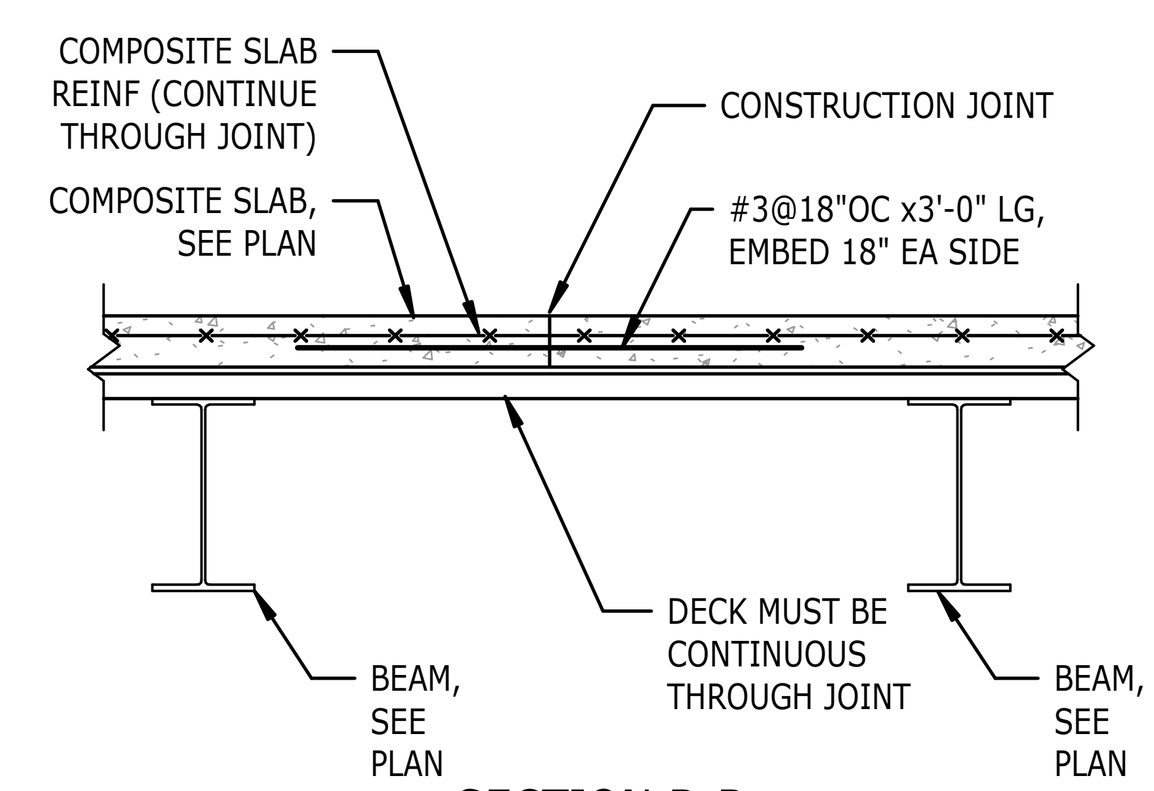
17 / S502 TYPICAL FRAMING AROUND SLAB OPENINGS
NTS



PLAN



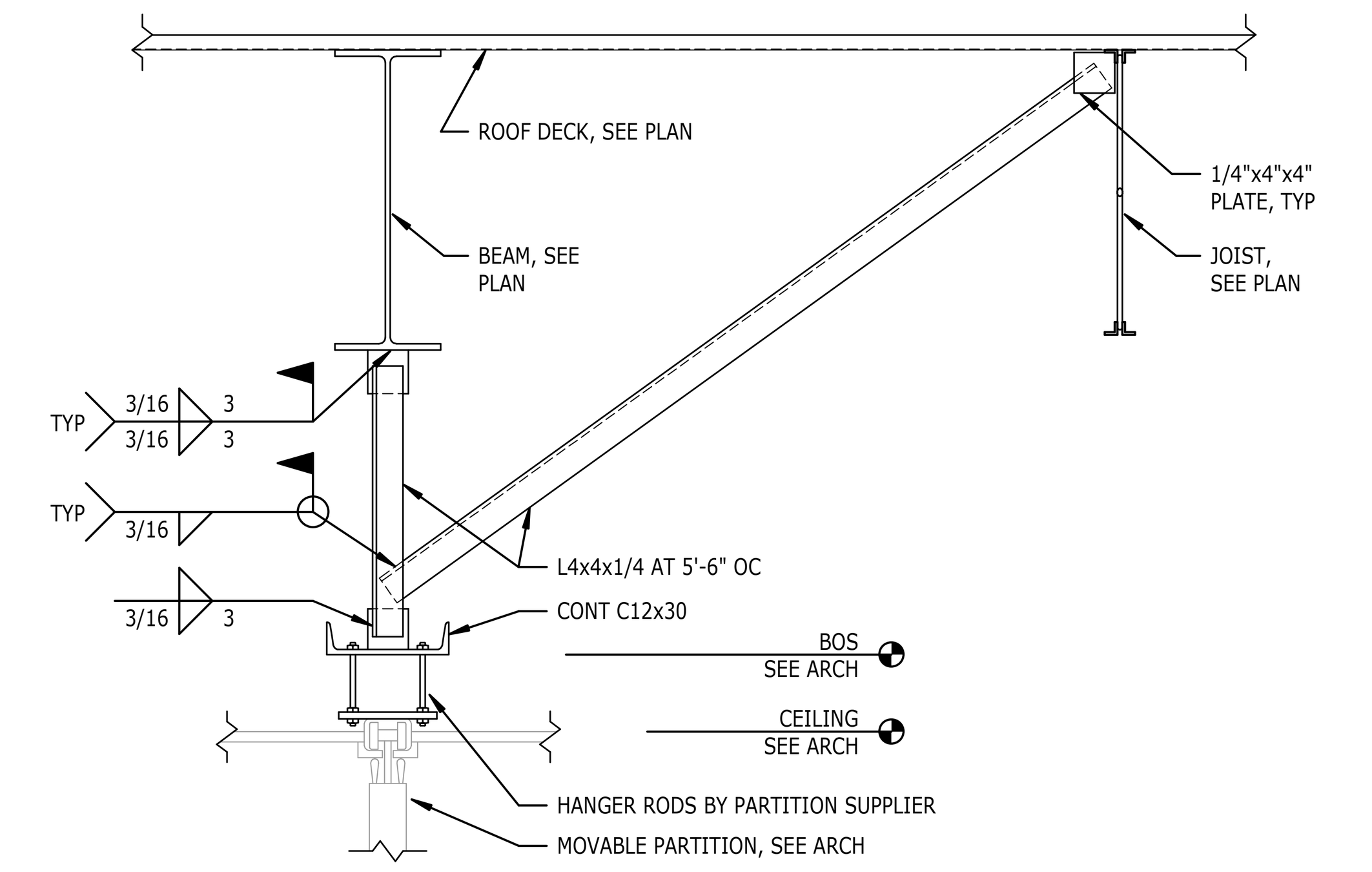
SECTION A-A
(TYPE 1 JOINT)



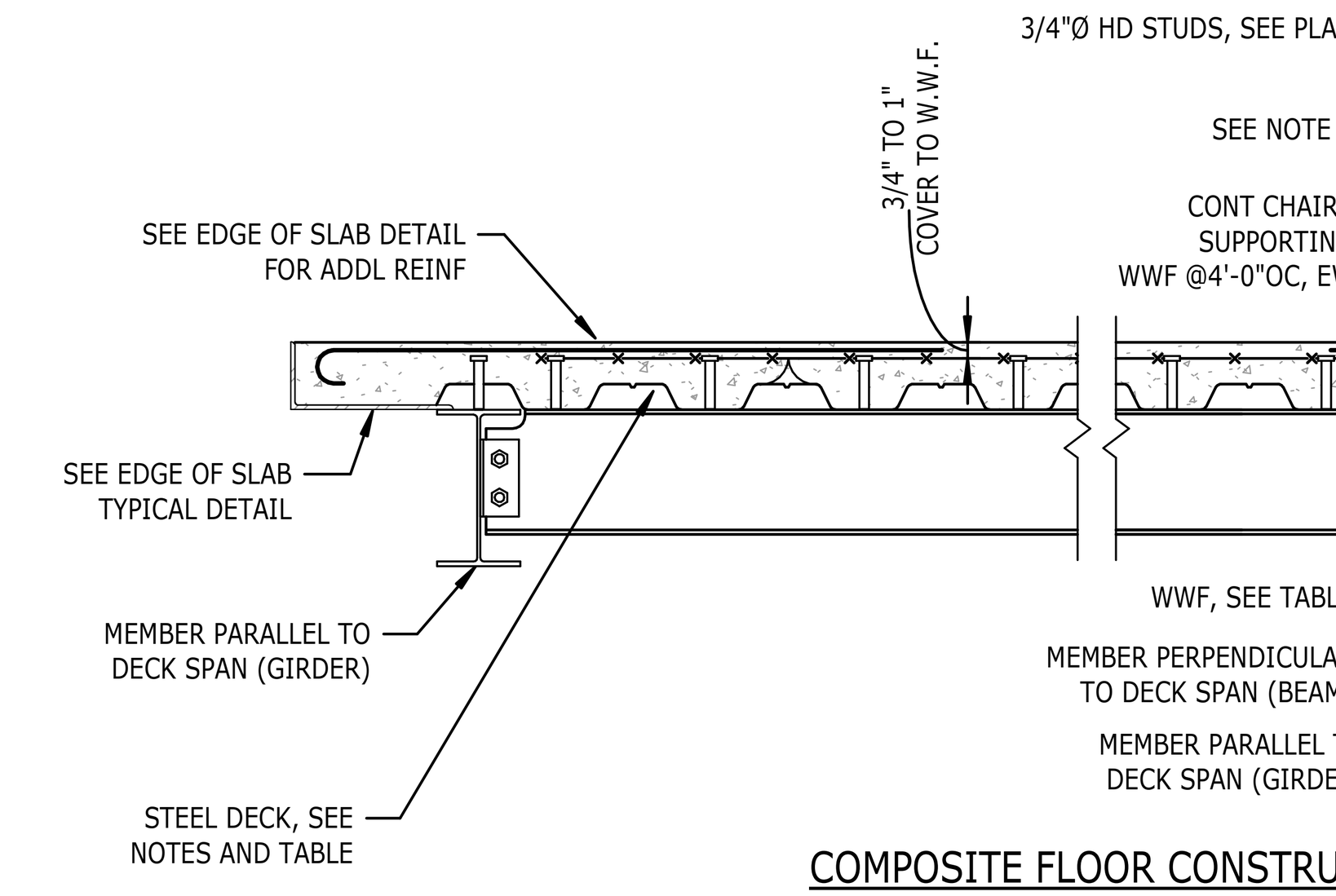
SECTION B-B
(TYPE 2 JOINT)

NOTES:
1. CONTRACTOR SHALL SUBMIT LOCATION OF ALL CONSTRUCTION JOINTS FOR APPROVAL PRIOR TO CONSTRUCTION AND FABRICATION.

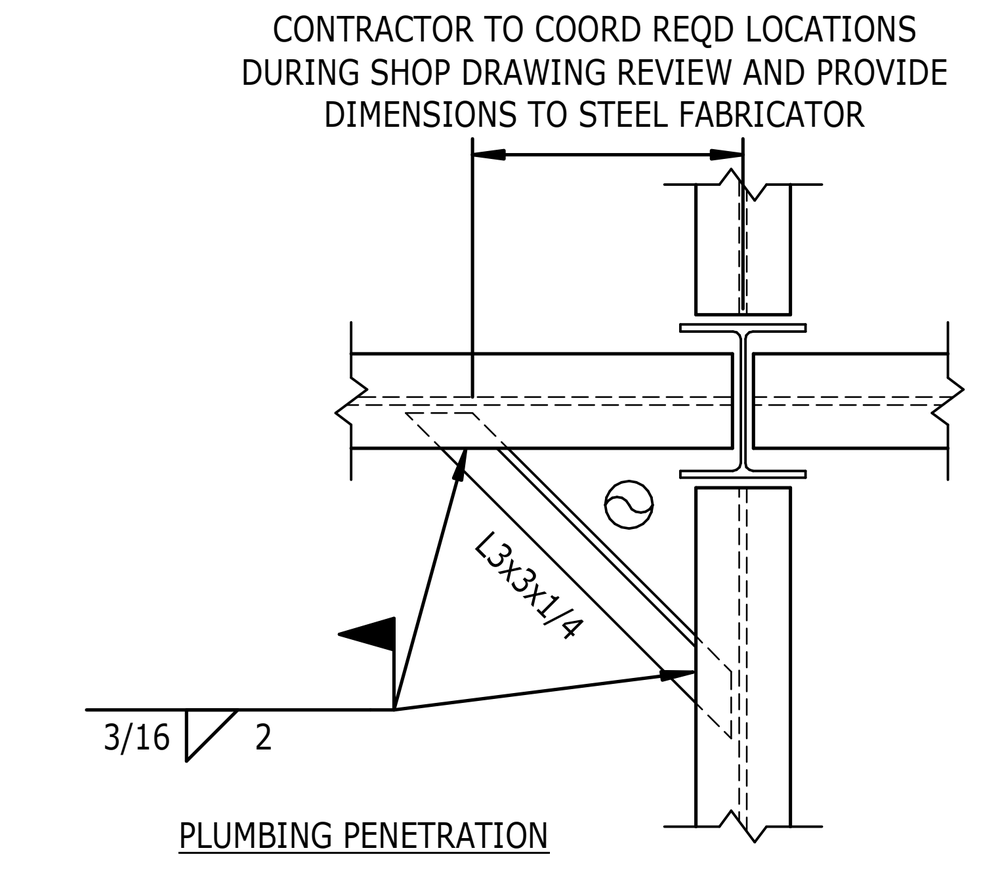
9 / S502 TYPICAL JOINTS IN COMPOSITE SLABS
NTS



11 / S502 TYPICAL MOVABLE PARTITION SUPPORTS
NTS



COMPOSITE FLOOR CONSTRUCTION DETAIL



PLUMBING PENETRATION

NOTES:
1. THIS DETAIL APPLIES TO DECK SUPPORTED COMPOSITE SLABS, AS INDICATED ON PLANS.
2. WELD DECK TO SUPPORTS PER FLOOR DECKING ATTACHMENT DETAIL.
3. COMPOSITE SLABS HAVE BEEN DESIGNED AS "UNSHORED CONSTRUCTION".
4. DECK SHALL BE CONTINUOUS OVER (2) OR MORE SPANS, TYPICAL. IF A SINGLE SPAN CONDITION IS REQUIRED AND SUPPORT BEAM SPACING EXCEEDS VALUE IN TABLE, CONTRACTOR SHALL SHORE AREA.
5. PROVIDE #4@12"OC x6'-0" LONG TOP BARS CENTERED OVER ALL GIRDERS RUNNING PARALLEL TO DECK SPAN. PLACE BARS OVER WWF AND PROVIDE 3/4" MINIMUM COVER. PROVIDE SUPPORT CHAIRS @4'-0"OC EACH WAY. ROTATE CHAIRS IF REQUIRED TO FIT IN SLAB THICKNESS.
6. THE CONTRACTOR SHALL ASSUME CONCRETE OVERAGES IN ELEVATED DECK POURS DUE TO MEMBER AND DECK DEFLECTIONS. UNLESS SHOWN ON PLANS, BEAMS ARE NOT CAMBERED. CONCRETE OVERAGES MAY BE CALCULATED BY THE CONTRACTOR FOR BEAM DEFLECTIONS EQUALING L/300 INCLUDING ADDITIONAL DEFLECTIONS DUE TO PONDING AND DECK DEFLECTIONS PER SDI.
7. SUPPORT DECK AROUND COLUMNS WITH COLUMN CLOSURE. WHERE PLUMBING LINES ARE ADJACENT TO COLUMNS, PROVIDE ANGLES TO SUPPORT DECK PER PLUMBING PENETRATION DETAIL.
8. CONCRETE SLABS SHALL BE POURED AS A CONSISTENT SLAB THICKNESS. FINISH SHALL MEET THE MINIMUM FLATNESS REQUIREMENTS.
9. ALL BEAMS ON COMPOSITE FRAMING REQUIRE STUDS @ 12"" OC UNO ON PLAN.

MINIMUM STEEL BEAM DESIGN END REACTIONS	
W8	16k
W10	16k
W12	25k
W14	35k
W16	45k
W18	60k
W21	75k
W24	100k
W27	115k
W30	130k

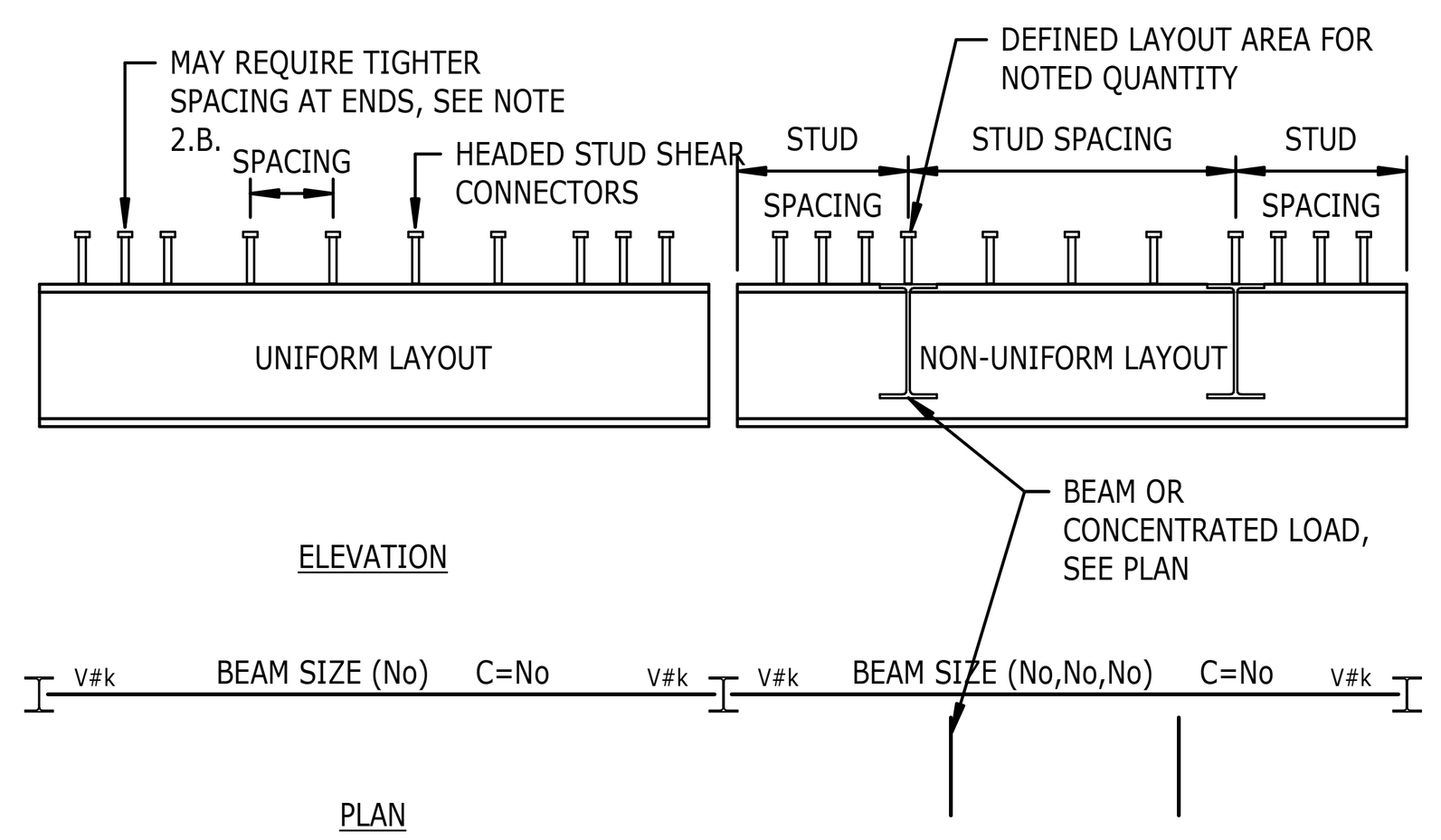
"V#k" INDICATES STEEL BEAM DESIGN END REACTION IN KIPS. LOADS PROVIDED ARE FOR STRENGTH DESIGN (LRFD). WHERE REACTIONS ARE OMITTED ON PLAN, THE CONNECTION ENGINEER SHALL DESIGN FOR THE MINIMUM REACTIONS SHOWN IN THE TABLE HEREIN.

MINIMUM COMPOSITE STEEL DECK PROPERTIES

DEPTH	GAGE	Ip	In	Sp	Sn	Fy
2"	20 GA	0.409 in⁴/ft	0.406 in⁴/ft	0.341 in³/ft	0.346 in³/ft	50 ksi

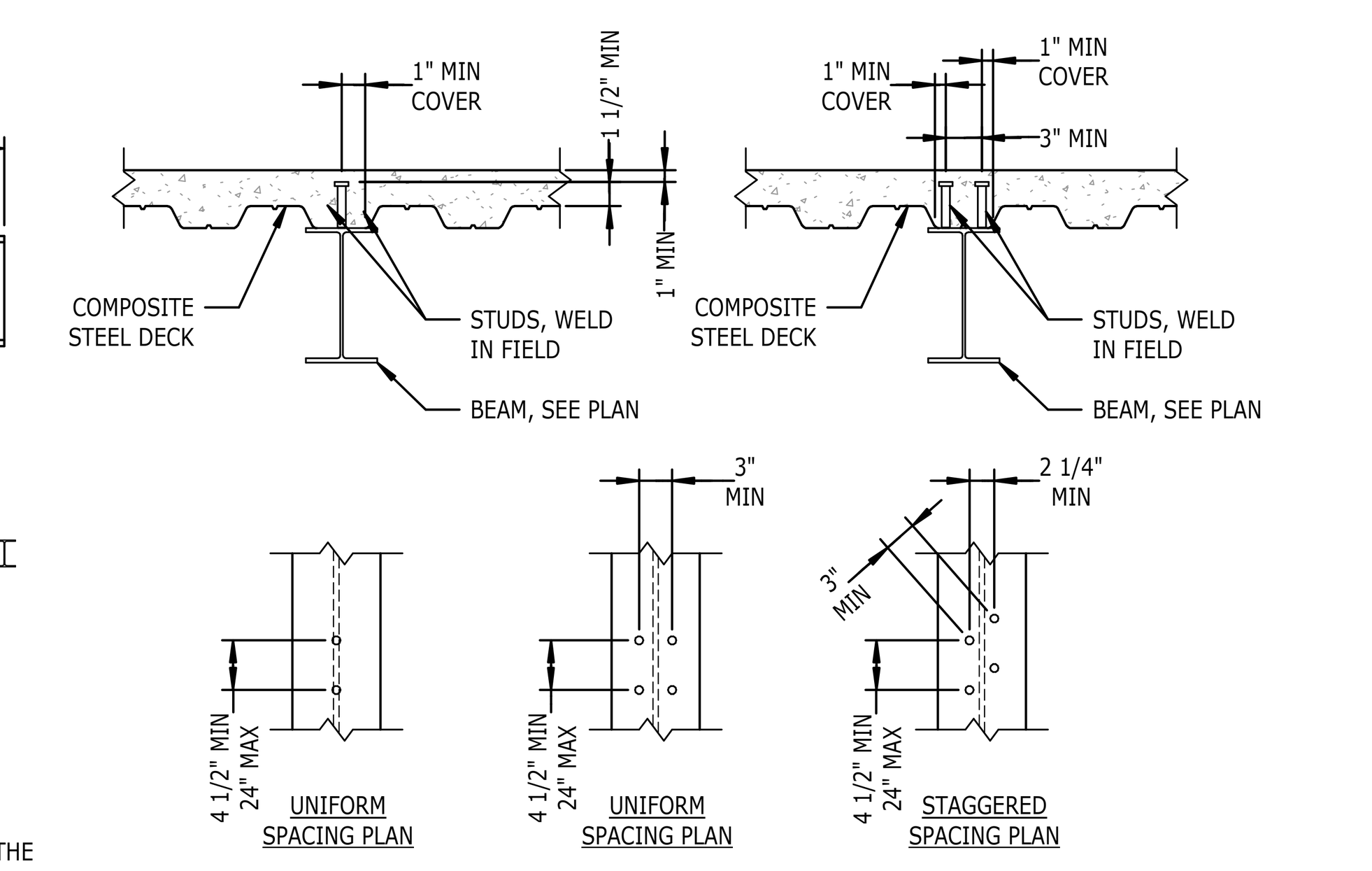
MINIMUM UNSHORED COMPOSITE STEEL DECK SPANS

SLAB TYPE	TOTAL DEPTH	DECK DEPTH	DECK GAGE	CONC WEIGHT	SINGLE SPAN	TWO SPAN	THREE SPAN	FIRE RATING RESTRAINED	WWF
S1	5 1/4"	2"	20 GA	LW	9'-3" MAX	10'-3" MAX	10'-7" MAX	2HR	6x6-W1.4xW1.4
S2	6 1/2"	2"	20 GA	NW	7'-8" MAX	8'-6" MAX	8'-9" MAX	2HR	6x6-W1.4xW1.4



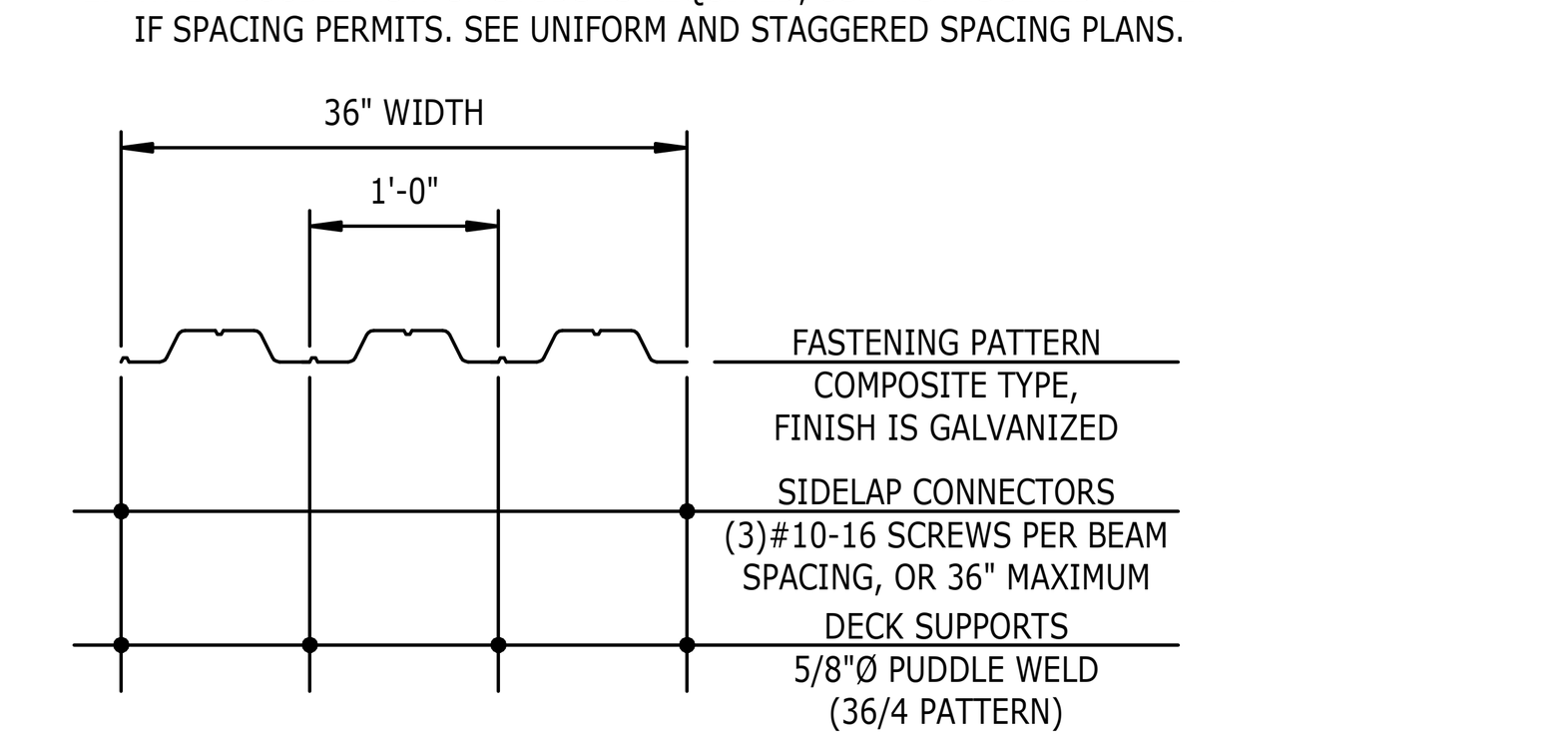
STUD LAYOUT

NOTES:
1. ALL STUDS SHALL BE FIELD WELDED TO CENTERLINE OF BEAMS, UNO.
2. UNIFORM LAYOUT:
   A. METAL DECK IS PARALLEL WITH BEAM - UNIFORMLY SPACE ALL STUDS EQUALLY ALONG THE ENTIRE LENGTH OF BEAM. FOLLOW MAXIMUM AND MINIMUM SPACING NOTED.
   B. METAL DECK IS PERPENDICULAR TO BEAM - TAKE THE TOTAL QUANTITY OF STUDS NOTED AND COMPARE TO THE NUMBER OF RIBS IN THE DECK. IF THE QUANTITY IS LESS THAN THE NUMBER OF RIBS, THEN LOCATE ONE STUD IN EVERY OTHER RIB ALONG THE LENGTH OF THE BEAM. THEN, STARTING AT THE SECOND RIB FROM THE END AT BOTH ENDS OF THE BEAM, LAYOUT THE REMAINING STUDS IN THE OPEN RIBS WORKING YOUR WAY TOWARD THE CENTER. YOU WILL END UP WITH A TIGHTER SPACING NEAR THE SUPPORTS.IF THE QUANTITY OF STUDS EXCEED THE NUMBER OF RIBS, THEN A DOUBLE ROW OF STUDS WILL BE REQUIRED NEAR THE ENDS OF THE BEAM. LOCATE ONE STUD IN EACH RIB ALONG THE LENGTH OF THE BEAM, KEEPING IN MIND THE CLEARANCES FOR A DOUBLE STUD INSTALLATION NEAR THE ENDS. THEN LOCATE THE ADDITIONAL STUDS STARTING AT THE FIRST RIB FROM THE SUPPORT AS A DOUBLE STUD INSTALLATION, WORKING YOUR WAY TOWARD THE CENTER FROM BOTH ENDS. IF DOUBLE STUDS ARE REQUIRED, FLANGE THICKNESS TO BE 5/16" OF THICKER. INCREASE BEAM SIZE IF NEEDED TO MEET MINIMUM SLAB THICKNESS.
3. NON-UNIFORM LAYOUT:
   A. METAL DECK IS PARALLEL WITH BEAM - UNIFORMLY SPACE THE NOTED QUANTITY OF STUDS EQUALLY BETWEEN TWO FRAMING BEAMS OR CONCENTRATED LOADS BOUNDING THE AREA. FOLLOW MAXIMUM AND MINIMUM SPACING NOTED. ADDITIONAL STUDS MAY BE NEEDED TO MEET THE MAXIMUM STUD SPACING.
   B. METAL DECK IS PERPENDICULAR TO BEAM - FOLLOW THE SAME PROCEDURE NOTED IN ITEM 2.B. ABOVE. HOWEVER, THE LAYOUT OF THE STUDS FOR EACH QUANTITY IS LOCATED BETWEEN TWO FRAMING BEAMS OR CONCENTRATED LOADS BOUNDING THE AREA.
4. "(No)" INDICATES NUMBER OF SHEAR STUDS REQUIRED FOR ENTIRE BEAM LENGTH IF ONLY ONE QUANTITY IS NOTED. IF MULTIPLE QUANTITIES ARE NOTED, THEN NON-UNIFORM SPACING WILL BE REQUIRED.
5. "V#k" INDICATES STEEL BEAM DESIGN END REACTION IN KIPS. LOADS PROVIDED ARE FOR STRENGTH DESIGN (LRFD). WHERE REACTIONS ARE OMITTED ON PLAN, THE CONNECTION ENGINEER SHALL DESIGN FOR THE MINIMUM REACTIONS SHOWN IN THE TABLE HEREIN.
6. "C=No" INDICATES REQUIRED BEAM CAMBER IN INCHES.



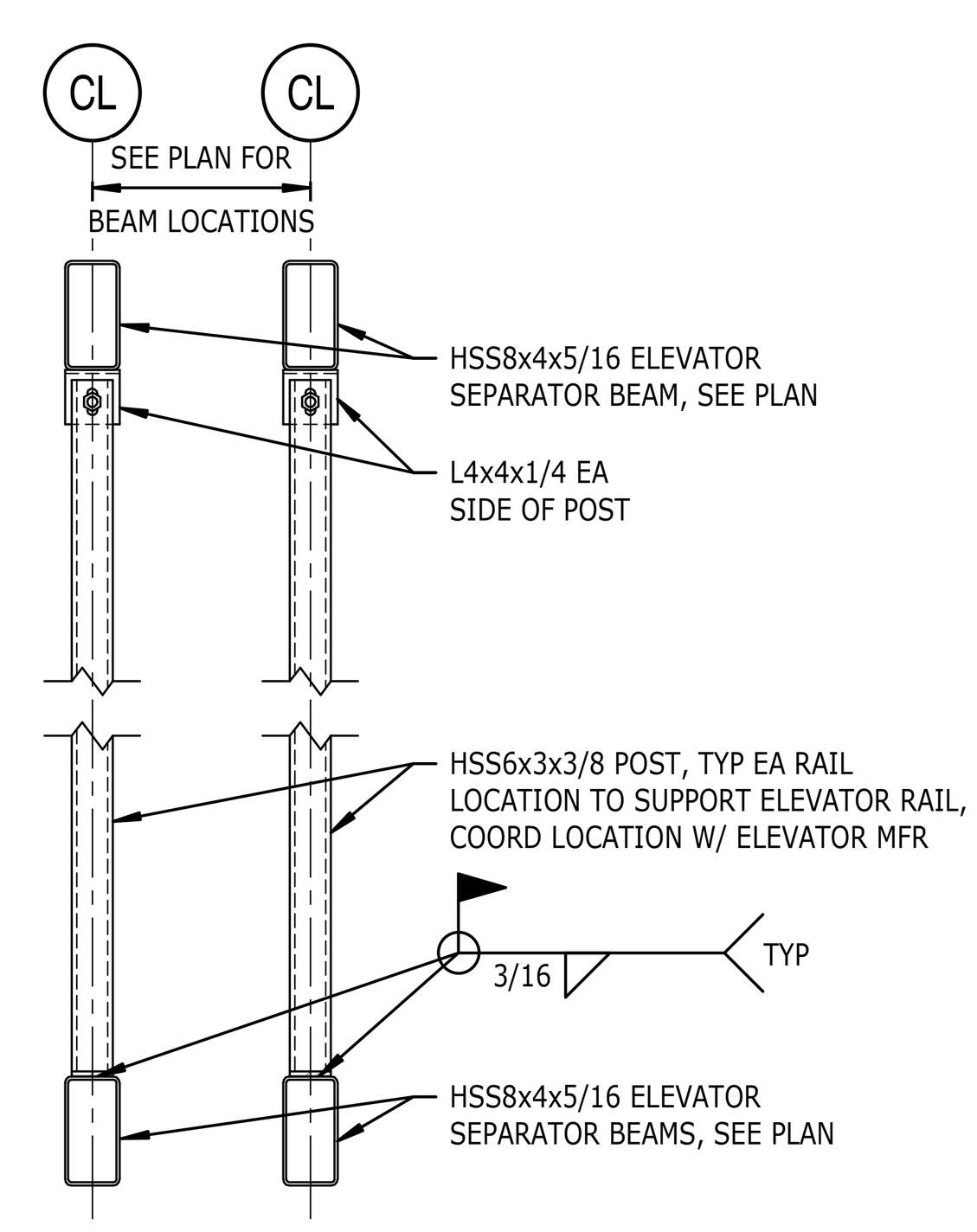
STUD CLEARANCES AND SPACING

NOTES:
1. BEAM PARALLEL TO DECK CONDITION SHOWN. BEAM PERPENDICULAR TO DECK CONDITION IS SIMILAR WITH STUDS AT FLUTES OF DECK ONLY.
2. WHEN DOUBLE ROW OF STUDS IS REQUIRED, USE A STAGGERED PATTERN IF SPACING PERMITS. SEE UNIFORM AND STAGGERED SPACING PLANS.



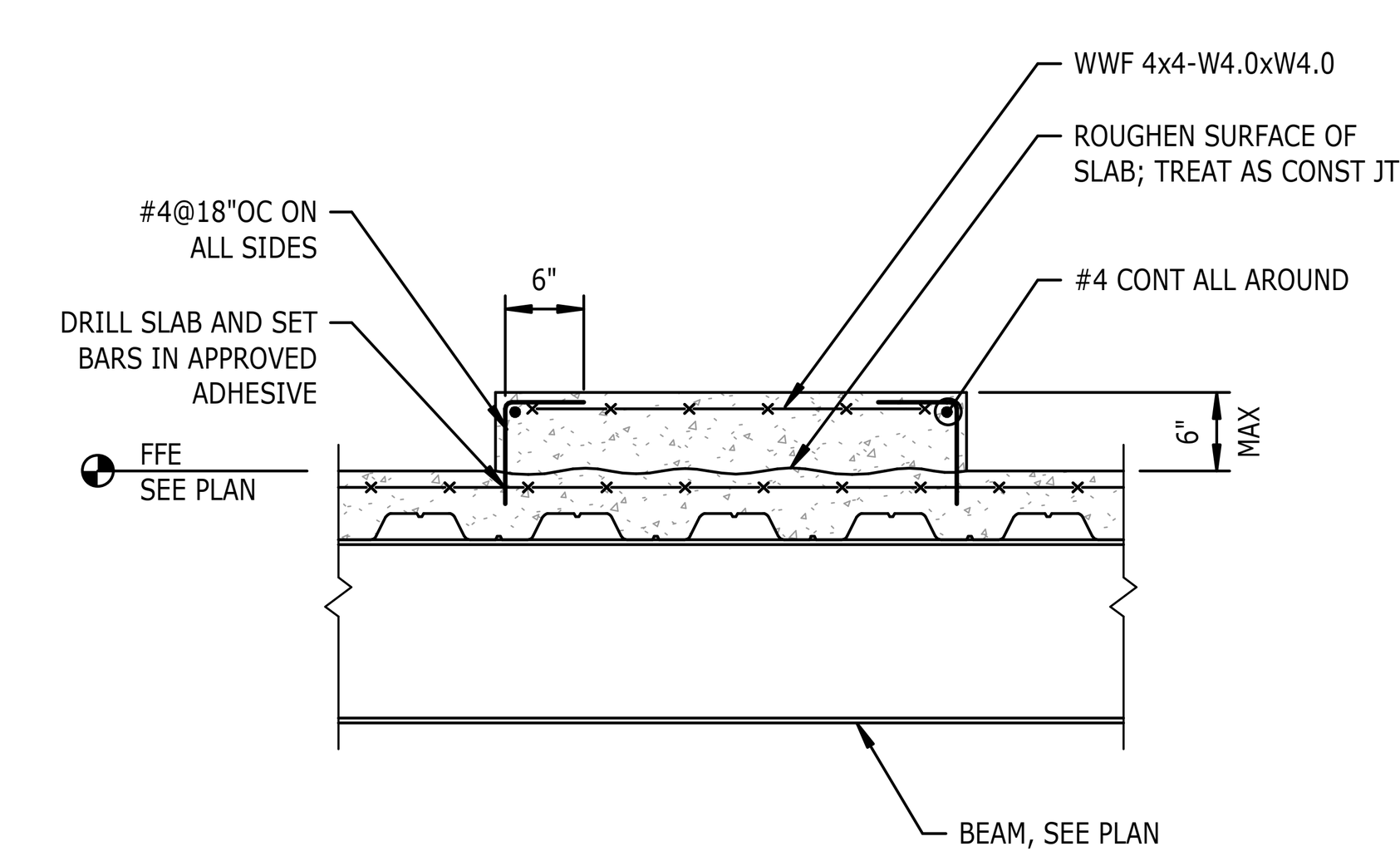
FLOOR DECK ATTACHMENT DETAIL

1 / S502 TYPICAL COMPOSITE SLAB
NTS



NOTES:
1. PROVIDE ELEVATOR RAIL SUPPORT POSTS WHERE FLOOR-TO-FLOOR HEIGHT EXCEEDS ELEVATOR MANUFACTURER'S LIMITATION FOR RAIL MAXIMUM UNSUPPORTED HEIGHT. VERIFY LOCATION WITH ELEVATOR MANUFACTURER.

8 / S502 ELEVATOR RAIL SUPPORT
3/4" = 1'-0"



NOTES:
1. THE EXACT SIZE, SHAPE, AND LOCATION OF EQUIPMENT/HOUSEKEEPING PADS SHALL BE DETERMINED BY THE CONTRACTOR AFTER APPROVAL OF EQUIPMENT SHOP DRAWINGS. ANCHOR BOLTS, WHERE REQUIRED, SHALL BE SIZED AND LOCATED ACCORDING TO THE MANUFACTURER'S REQUIREMENTS.

4 / S502 TYPICAL EQUIPMENT PAD
NTS

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

STEWART
101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202
T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #S25065

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:
NO. DATE DESCRIPTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 041315 PETRINA A. AGNELLO
02/06/2026

PRINCIPAL IN CHARGE: PAA
PROJECT ENGINEER: KAB
DRAWN BY: DB

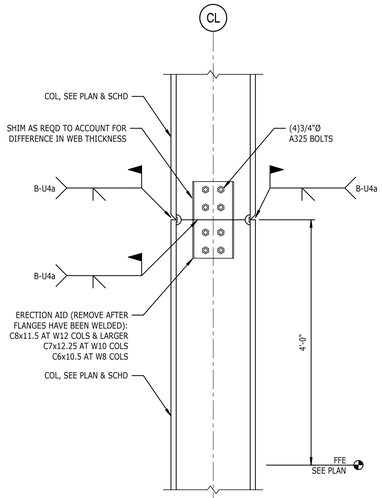
SHEET TITLE:
STEEL FRAMING DETAILS

SHEET NO. S502
PROJ. NO. 024370.01

2/6/2026 12:10:19 PM Autodesk Docs://024370.00_Brunswick County Health & Human Services/S25065_BrunswickCoHHS_STRU_R23.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

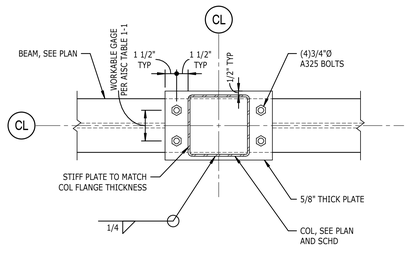
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE DRAWINGS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED IN WHOLE OR IN PART FOR ANY OTHER PROJECT, EXCEPT BY AGREEMENT IN WRITING WITH THE ARCHITECT. THESE DRAWINGS ARE NOT TO BE CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY, WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ANY UNAUTHORIZED USE, WITHOUT SUCH PERMISSION AND CONSENT SHALL BE AT THE SOLE RISK OF THE USER, AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO MCMILLAN PAZDAN SMITH ARCHITECTURE. ANY USE OF THESE DRAWINGS AND SPECIFICATIONS ON THE PROJECT OR ON ANY EXTENSION OF THE PROJECT, SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH ALL RIGHTS RESERVED

2/6/2026 12:43:28 PM - Autodesk Docs://STEWART @ Brunswick County Health & Human Services/BRSOHS_@ BrunswickSOHS_STEEL_R25.rvt

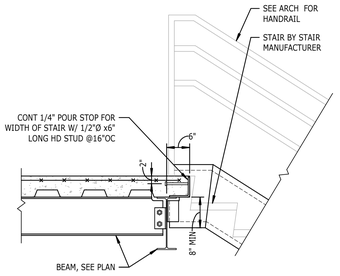


NOTES:
1. DETAIL ONLY APPLIES TO FRAME COLUMNS (DESIGNATED WITH COLUMN BASE PLATES 'VF#' OR 'MF#' IN THE "STEEL COLUMN AND BASE PLATE SCHEDULE"). SEE "TYPICAL GRAVITY COLUMN SPLICES" FOR ALL OTHER COLUMN SPLICES.
2. 'B-U4a' REFERS TO A SINGLE BEVEL GROOVE FULL PENETRATION WELD. SEE AISC MANUAL FOR WELD DETAILS AND FIT-UP REQUIREMENTS.
3. PROVIDE ULTRASONIC TESTING FOR FULL PENETRATION WELDS. REMOVE BACKING BARS FOR STRUCTURES IN SEISMIC DESIGN CATEGORY D OR HIGHER, OR WHERE REQUIRED FOR ULTRASONIC TESTING.

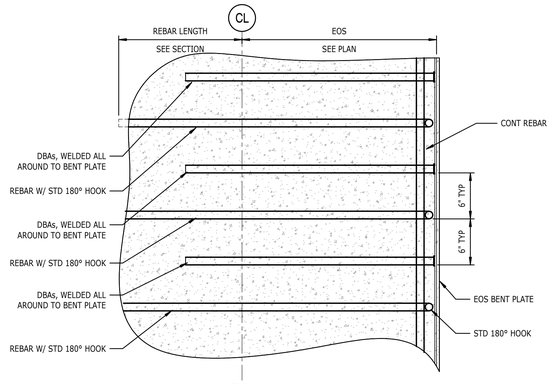
17 S503 TYPICAL FRAME COLUMN SPLICES
1" = 1'-0"



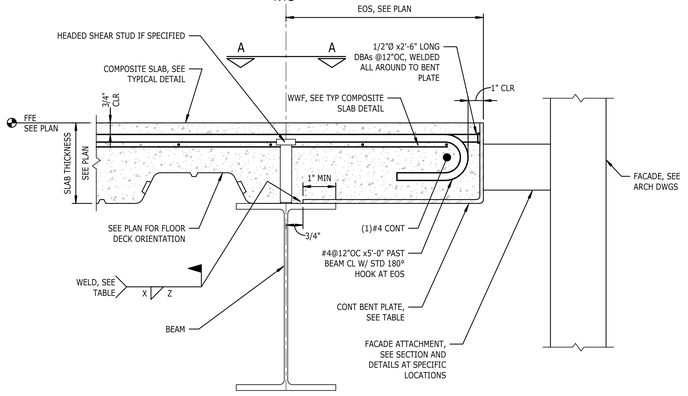
13 S503 TYPICAL COLUMN BEARING ON BEAM
NTS



14 S503 SECTION AT TOP OF STAIR
NTS



PART PLAN
NTS



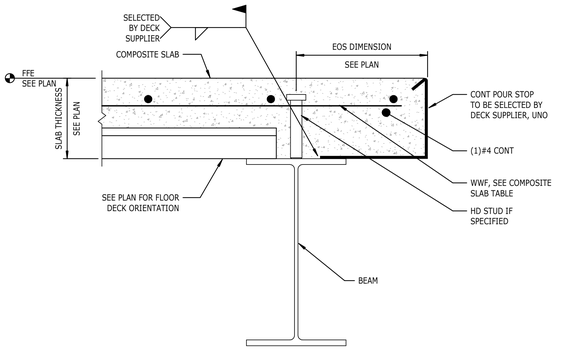
EXTERIOR EOS

NOTE:
1. SEE BENT PLATE TABLE FOR PLATE SIZE AND ATTACHMENT INFO.
2. THIS DETAIL DOES NOT APPLY IF THERE IS A SLAB OPENING IN THE BACK SPAN OF THE SLAB WITHIN 5'-0" FROM CENTERLINE OF BEAM.

EOS BENT PLATE TABLE										
SLAB TOTAL THICKNESS	CONCRETE WEIGHT	1/4" BENT PLATE	FILLET WELD		5/16" BENT PLATE	FILLET WELD		3/8" BENT PLATE	FILLET WELD	
			X	Z		X	Z		X	Z
5 1/4"	LW	6" ≤ 16"	3/16"	3-12	≤ 18"	3/16"	3-12		3/16"	3-12
6 1/2"	NW	6" ≤ 14"	3/16"	3-12	15" ≤ 17"	3/16"	3-12	≤ 18"	3/16"	3-12

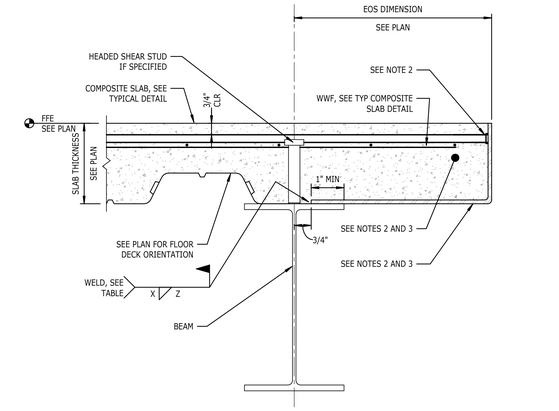
NOTE:
1. CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE BEAM AND BENT PLATE BEFORE THE CONCRETE IS POURED TO PREVENT ROTATION OF THE BEAM. BENT PLATE DETAIL IS DESIGNED FOR THE FINAL LOADING CONDITION.
2. BENT PLATE MUST BE FIELD WELDED TO BEAM UNLESS TEMPORARY SHORING IS PROVIDED TO PREVENT BEAM ROTATION OR CONTRACTOR DETERMINES THE BEAM CAN BE PLACED WITHIN TOLERANCES WITH PLATE ATTACHED AND WITHOUT SHORING.
3. SEE SPECIFIC DETAILS FOR SPANS GREATER THAN NOTED.

1 S503 TYPICAL EDGE OF SLAB
NTS



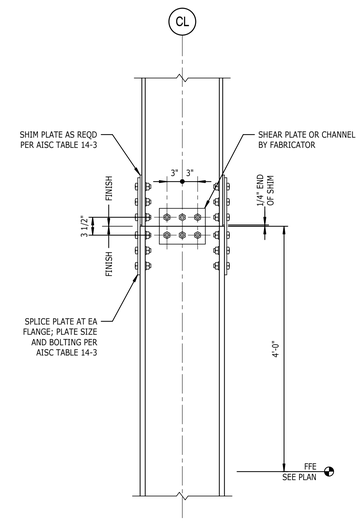
INTERIOR EOS UP TO 6"

NOTE:
1. ALL SLAB EDGES AROUND OPENINGS NOT CALLED OUT ON STRUCTURAL OR ARCHITECTURAL PLANS ARE 6" FROM BEAM CENTERLINE. CONTRACTOR TO VERIFY SLAB OPENING DIMENSIONS WITH ARCHITECTURAL DRAWINGS, MEP DRAWINGS APPROVED SHOP DRAWING AND CUT SHEETS.
2. LIGHT GAUGE POUR STOP IS NOT TO BE USED AT ELEVATOR SHAFTS, EDGE OF SLAB WITH ATTACHMENTS TO TOP, BOTTOM OR SIDE OF SLAB EDGE, STAIR OPENINGS, AND WHEREVER SHOWN IN DRAWINGS TO BE BENT PLATE.
3. SEE INTERIOR EDGE OF SLAB DETAIL >6" AND SUPPORTING ATTACHMENTS, SEE DETAIL BELOW.

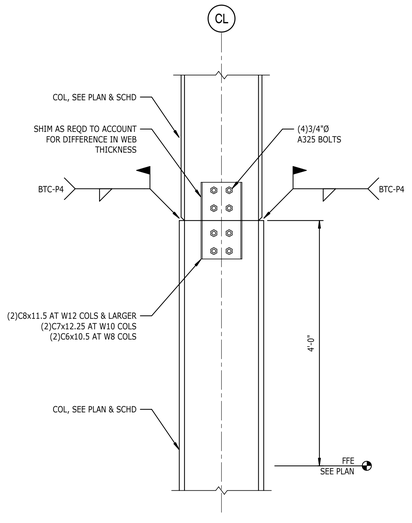


INTERIOR EOS >6" AND SUPPORTING ATTACHMENTS

NOTES:
1. AT EOS UP TO 12" WITHOUT ATTACHMENT OR LOADING OF ONLY A STUD WALL.
   A. PROVIDE LIGHT GAUGE POUR STOP ONLY W/ SLAB WWF
   B. LIGHT GAUGE POUR STOP IS NOT TO BE USED AT ELEVATOR SHAFTS, EDGE OF SLAB WITH ATTACHMENTS TO TOP, BOTTOM OR SIDE OF SLAB EDGE, STAIR OPENINGS, AND WHEREVER SHOWN IN DRAWINGS TO BE BENT PLATE.
2. AT EOS WITH ATTACHMENTS TO BENT PLATE OR EOS > 12"
   A. PROVIDE BENT PLATE PER TABLE AND 1/2"Ø x2'-6" LONG DBAs @12"OC
   B. PROVIDE CONT. REBAR PARALLEL TO EOS, EXTEND 24" PAST OPENING, EACH SIDE
3. EOS SHALL NOT EXCEED VALUE IN BENT PLATE TABLE



BOLTED OPTION

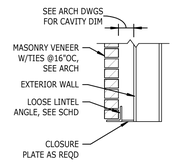


WELDED OPTION

NOTES:
1. DETAIL ONLY APPLIES TO GRAVITY COLUMNS (DESIGNATED WITH COLUMN BASE PLATES 'G#' IN THE "STEEL COLUMN AND BASE PLATE SCHEDULE"). SEE "TYPICAL FRAME COLUMN SPLICES" FOR ALL MOMENT AND VERTICAL FRAME COLUMN SPLICES.
2. 'BTC-P4' REFERS TO A SINGLE BEVEL GROOVE PARTIAL JOINT PENETRATION WELD. SEE AISC MANUAL FOR WELD DETAILS AND FIT-UP REQUIREMENTS.

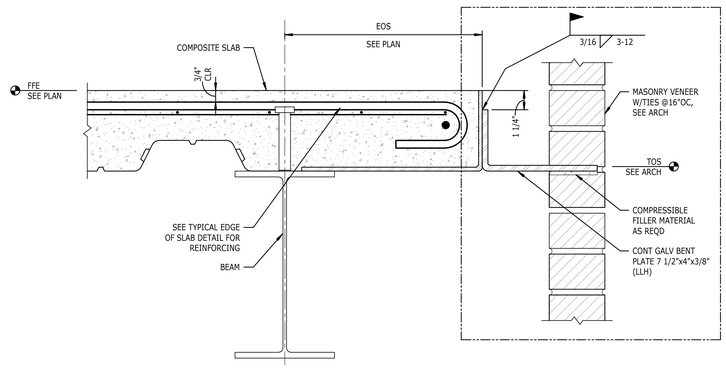
15 S503 TYPICAL GRAVITY COLUMN SPLICES
1" = 1'-0"

STEEL LOOSE LINTEL ANGLE SUPPORTING MASONRY VENEER	
CLEAR OPENING	LOOSE LINTEL ANGLE
UP TO 5'-0"	L4x4x3/8
5'-1" TO 8'-0"	L6x4x3/8 (LLV)
8'-1" TO 10'-0"	L7x4x3/8 (LLV)



NOTES:
1. ALL LOOSE LINTELS SHALL BE PAINTED OR GALVANIZED, SEE ARCHITECTURAL DRAWINGS.
2. PROVIDE 6" MINIMUM BEARING FOR OPENINGS UP TO 8'-0" WIDE. PROVIDE 8" MINIMUM BEARING FOR OPENINGS OVER 8'-0" WIDE.
3. SEE ARCHITECTURAL DRAWINGS FOR ANGLE PLACEMENT AND FLASHING.
4. LOOSE LINTEL ANGLES ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR ALL LOCATIONS OF OPENINGS REQUIRING ANGLES.
5. FOR CLEAR OPENING DIMENSIONS GREATER THAN THOSE SHOWN IN THE SCHEDULE, SEE OTHER DETAILS OR CONTACT THE ENGINEER OF RECORD.

12 S503 STEEL LOOSE LINTEL SCHEDULE
NTS



4 S503 TYPICAL BRICK RELIEF SUPPORT CONNECTION
NTS

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

STEWART
101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202
T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #525065

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

NORTH CAROLINA PROFESSIONAL SEAL 041315 ENGINEER CRISTINA A. AGNELLO
02/06/2026

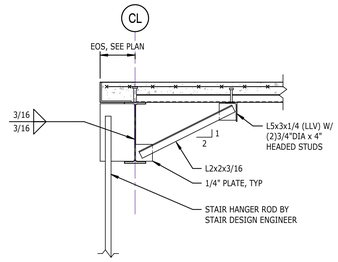
PRINCIPAL IN CHARGE: PAA
PROJECT ENGINEER: KAB
DRAWN BY: DB

SHEET TITLE:
STEEL FRAMING DETAILS

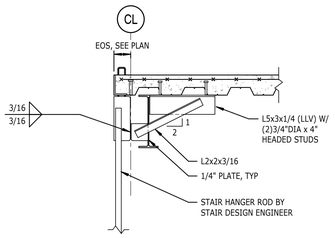
SHEET NO. S503
PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE ON REQUEST AT THE COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. © COPYRIGHT 2021 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

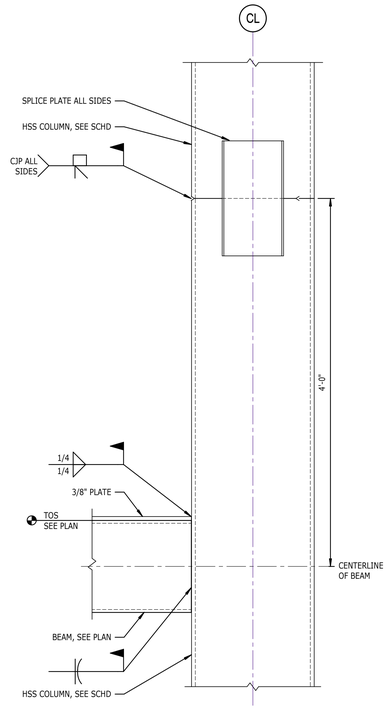
2/6/2026 11:23:05 PM Autodesk Docs://PROJECTS @ Brunswick County Health & Human Services/BSCHHS_STEEL_R25.rvt



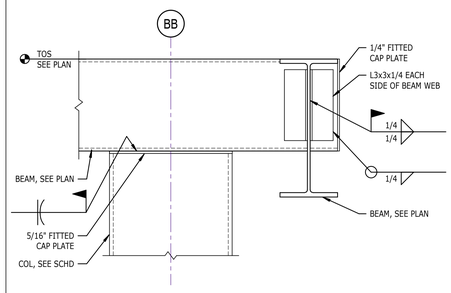
13 S504 SECTION
3/4" = 1'-0"



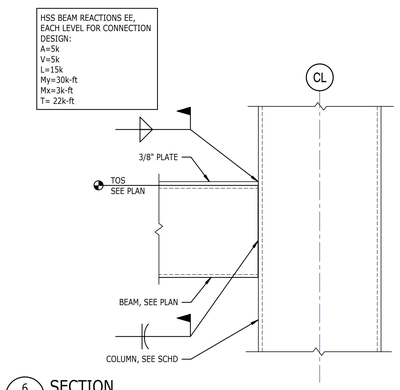
14 S504 SECTION
3/4" = 1'-0"



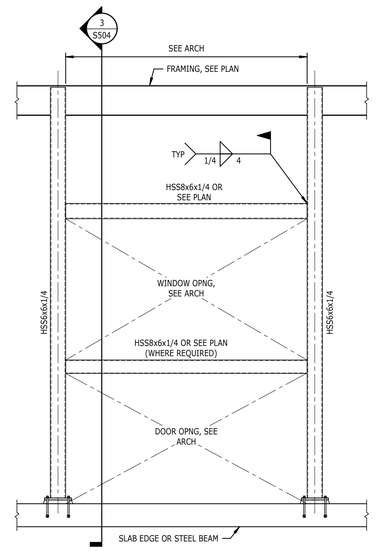
9 S504 SECTION
1 1/2" = 1'-0"



5 S504 SECTION
1 1/2" = 1'-0"

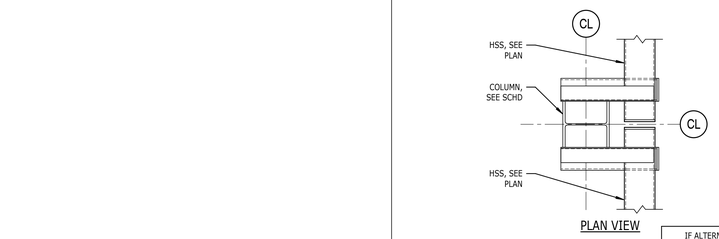


6 S504 SECTION
1 1/2" = 1'-0"

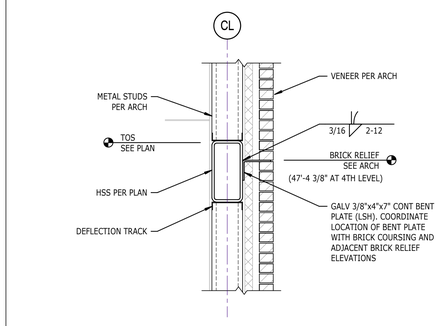


NOTES:
1. FOR OPENINGS LARGER THAN 8'-0".
2. OMIT GROUT WHERE STEEL BEAM SUPPORTS COLUMNS.

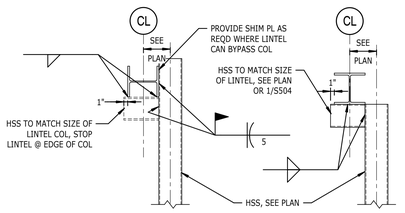
1 S504 TYPICAL STEEL HEADER AND POST
NTS



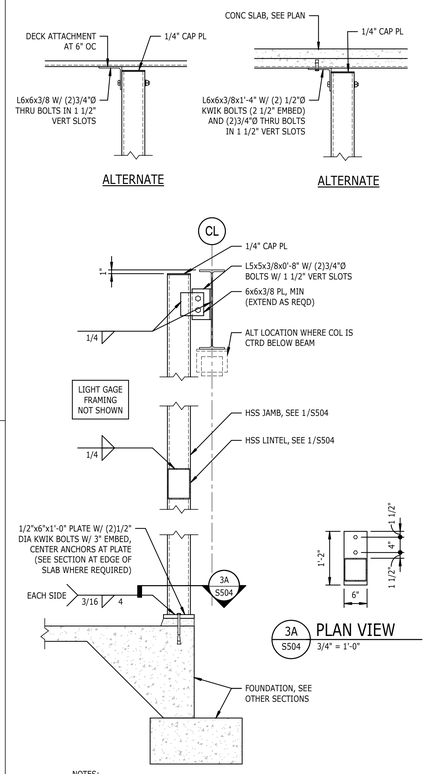
11 S504 HSS SUPPORT CONNECTION AT COLUMN
3/4" = 1'-0"



7 S504 SECTION
3/4" = 1'-0"



8 S504 TYPICAL STEEL HEADER CONNECTION DETAILS
NTS



NOTES:
1. SEE 8/S504 OR SECTION REF CALLOUTS FOR CONNECTION TO W SHAPE COLUMNS.

3A S504 PLAN VIEW
3/4" = 1'-0"

3 S504 TYPICAL STEEL POST CONNECTION DETAILS
NTS

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

STEWART
101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202
T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #525065

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

NORTH CAROLINA PROFESSIONAL SEAL 041315 ENGINEER PETRINA A. MONELLO
02/06/2026

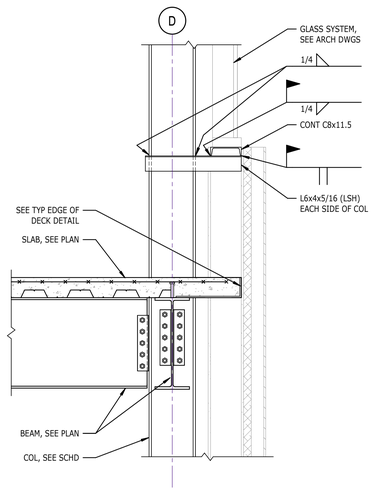
PRINCIPAL IN CHARGE: PAA
PROJECT ENGINEER: KAB
DRAWN BY: DB

SHEET TITLE:
STEEL FRAMING DETAILS

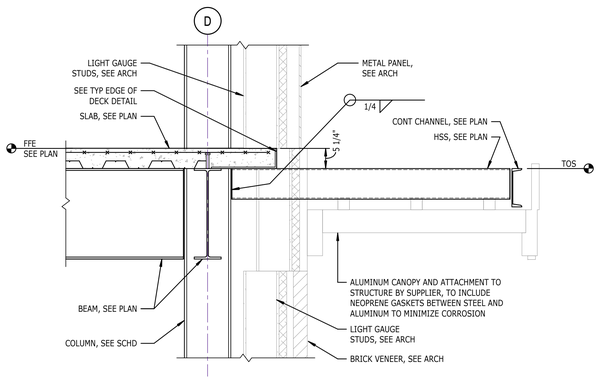
SHEET NO. S504
PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED FOR ANY OTHER PROJECT, EXTENSIONS TO THIS PROJECT, OR ADDITIONS TO THIS PROJECT BY ANY ENTITY OTHER THAN MCMILLAN PAZDAN SMITH ARCHITECTURE WITHOUT THE EXPRESS WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. VISUAL CONTACT WITH THESE DRAWINGS OR OTHER MATERIALS FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE SHALL CONSTITUTE PROOF OF ACCEPTANCE OF THE RESTRICTIONS SET FORTH IN THIS PARAGRAPH. ALL RIGHTS RESERVED

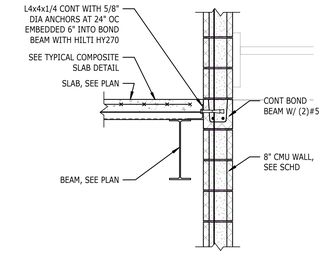
2/6/2026 12:18:59 PM - Autodesk Docs://2025.01 Brunswick County Health & Human Services/BCHHS_R25_brunswickCHHS_ETEH_V25.rvt



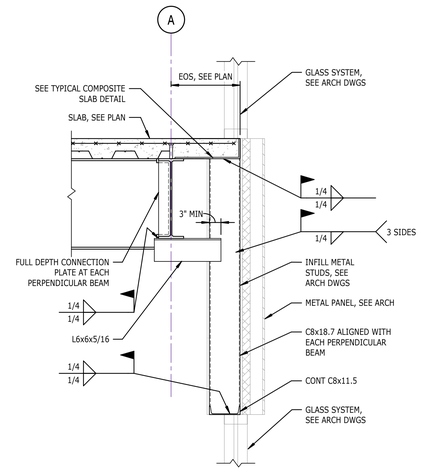
17 S505 SECTION 3/4" = 1'-0"



9 S505 SECTION 3/4" = 1'-0"

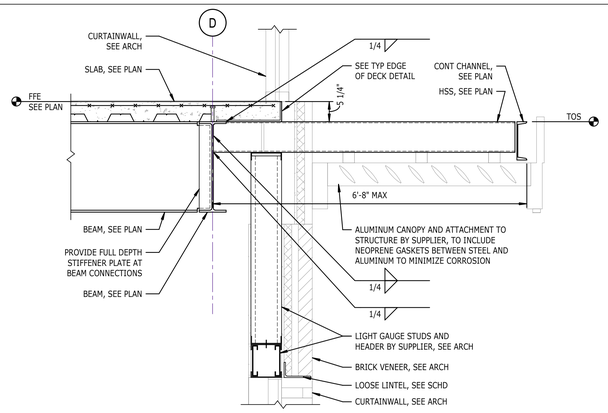


5 S505 SECTION 3/4" = 1'-0"

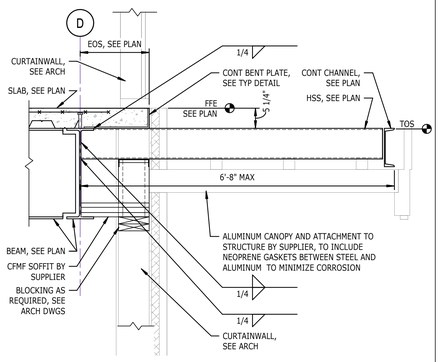


NOTE: STEEL REQUIRED AT WINDOWS LARGER THAN 10'-0" WIDE.

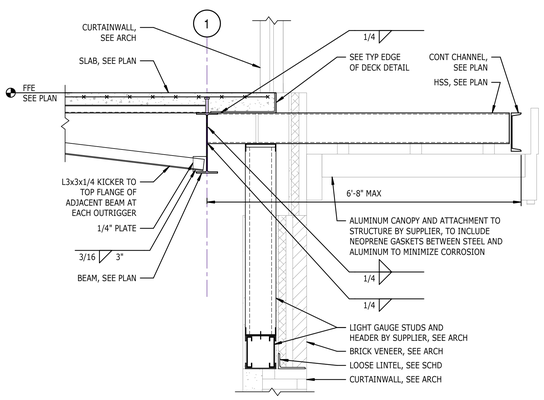
1 S505 SECTIONS 3/4" = 1'-0"



10 S505 SECTION 3/4" = 1'-0"

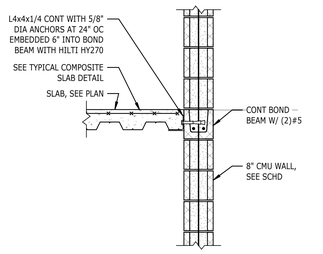


6 S505 SECTION 3/4" = 1'-0"

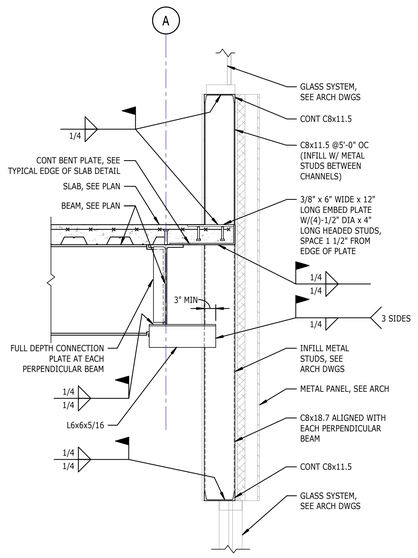


18 S505 SECTION 3/4" = 1'-0"

11 S505 SECTION 3/4" = 1'-0"

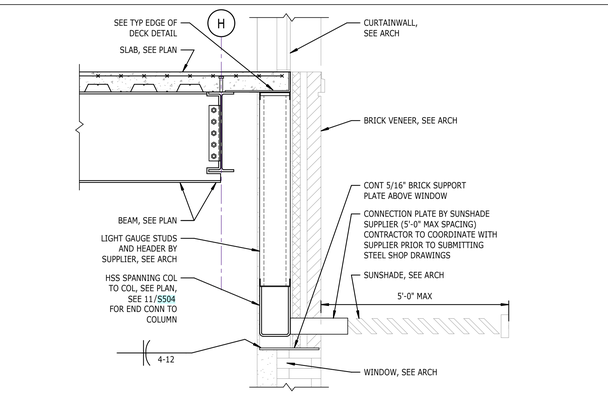


7 S505 SECTION 3/4" = 1'-0"

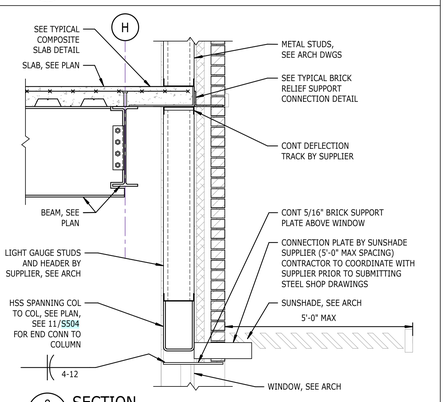


NOTE: STEEL REQUIRED AT WINDOWS LARGER THAN 10'-0" WIDE.

3 S505 SECTIONS 3/4" = 1'-0"



12 S505 SECTION 3/4" = 1'-0"



8 S505 SECTION 3/4" = 1'-0"

NOTE: STEEL REQUIRED AT WINDOWS LARGER THAN 10'-0" WIDE.

3 S505 SECTIONS 3/4" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

STEWART
101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202
T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #525065

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

NORTH CAROLINA PROFESSIONAL SEAL 041315 ENGINEER PETRINA A. MONELLO

02/06/2026

PRINCIPAL IN CHARGE: PAA
PROJECT ENGINEER: KAB
DRAWN BY: DB

SHEET TITLE:

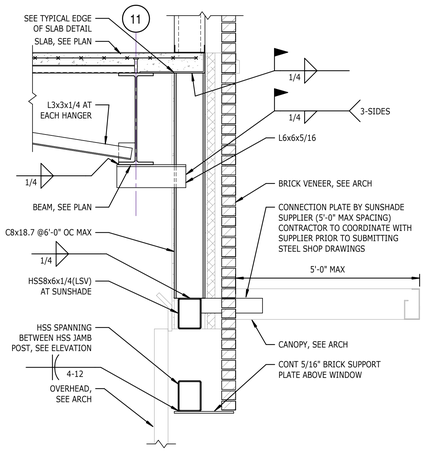
FLOOR FRAMING SECTIONS

SHEET NO. S505

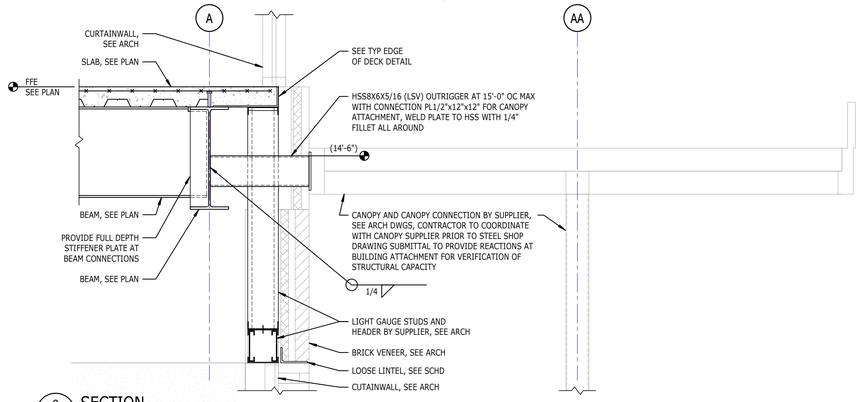
PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED FOR ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR STORED, ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHERWISE DOES NOT CONSTITUTE PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

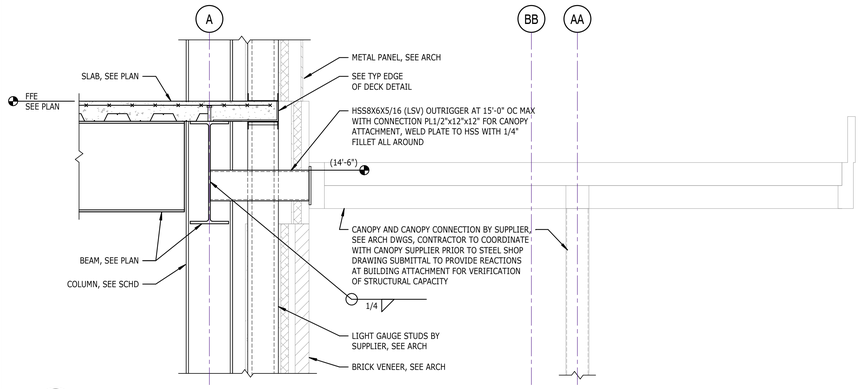
2/5/2026 11:12:58 PM - Autodesk Docs://2021-05 @ Brunswick County Health & Human Services/BSCHHS_STRU_R21.rvt



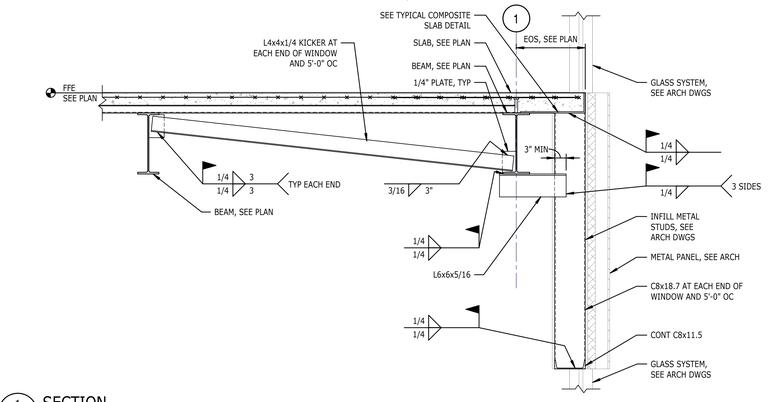
17 S506 OVERHEAD DOOR SECTION
3/4" = 1'-0"



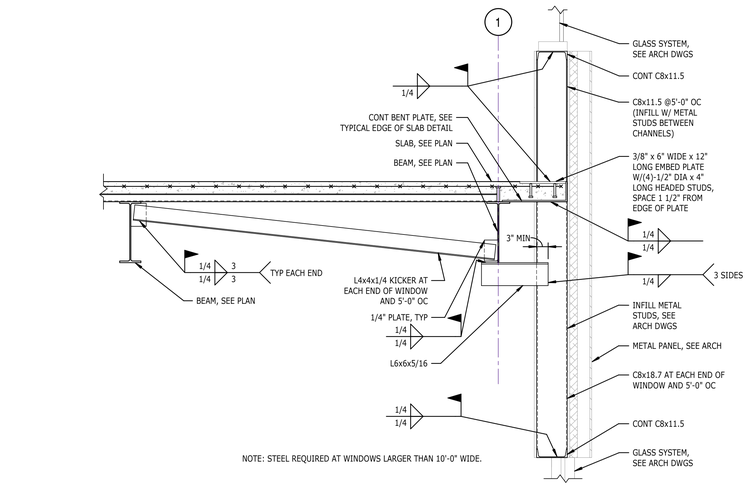
9 S506 SECTION
3/4" = 1'-0"



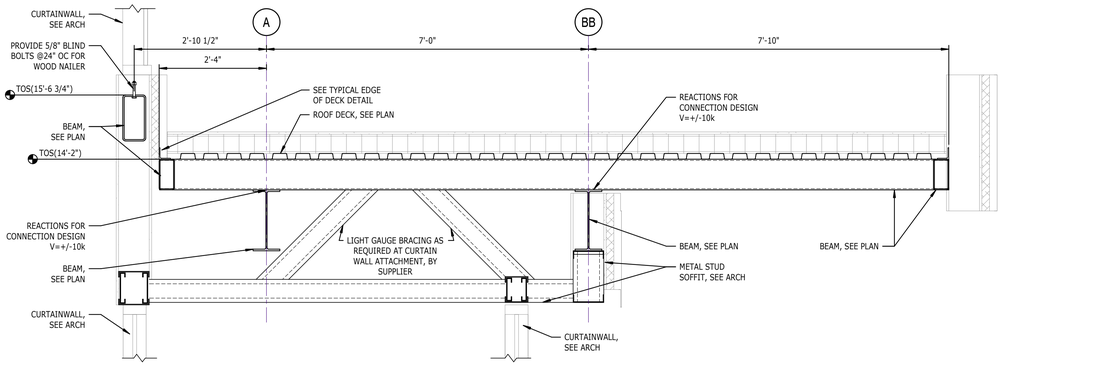
10 S506 SECTION
3/4" = 1'-0"



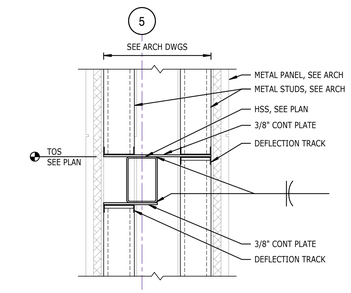
1 S506 SECTION
3/4" = 1'-0"



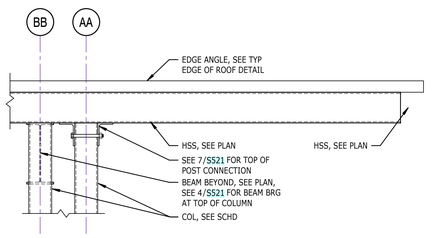
2 S506 SECTION
3/4" = 1'-0"



11 S506 SECTION
3/4" = 1'-0"



8 S506 SECTION
3/4" = 1'-0"



4 S506 SECTION
3/4" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

STEWART
101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202
T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #525065

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

NORTH CAROLINA PROFESSIONAL SEAL 041315 ENGINEER PETRINA A. MONELLO

02/06/2026

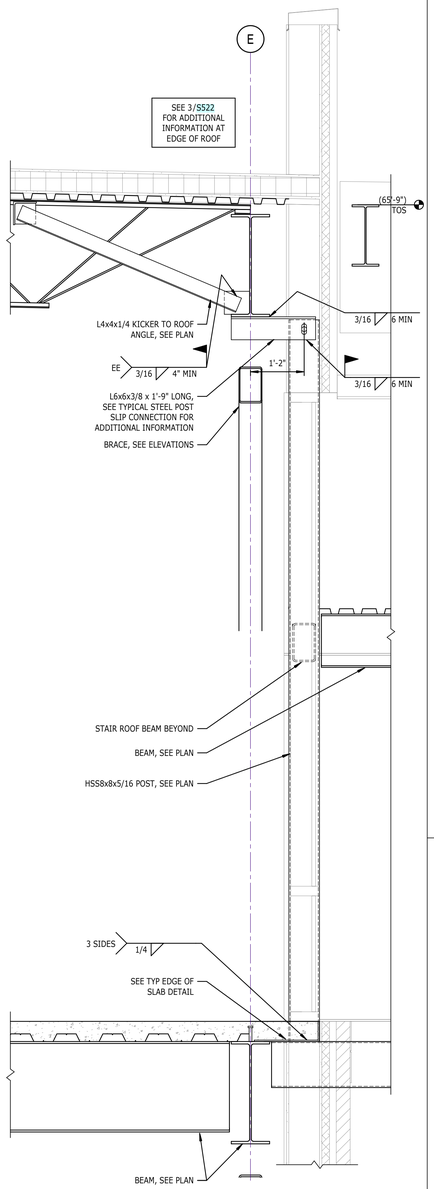
PRINCIPAL IN CHARGE: PAA
PROJECT ENGINEER: KAB
DRAWN BY: DB

SHEET TITLE:

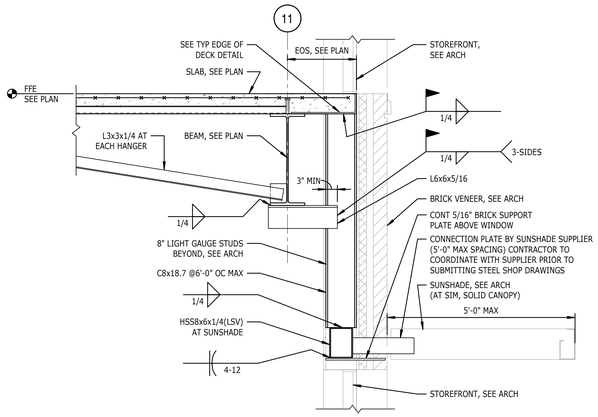
FLOOR FRAMING SECTIONS

SHEET NO. S506
PROJ. NO. 024370.01

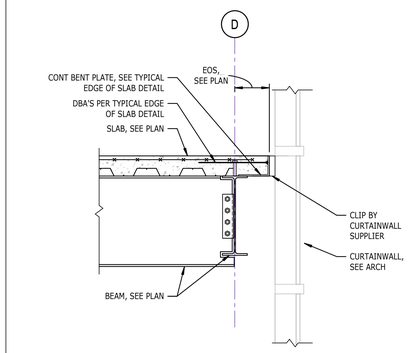
PLOTTED: 2/6/2026 3:47:38 PM Autodesk Docs://PROJECTS @ Brunswick County (Health & Human Services)/BCHHS_STEEL_EDU.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH.
ALL RIGHTS RESERVED



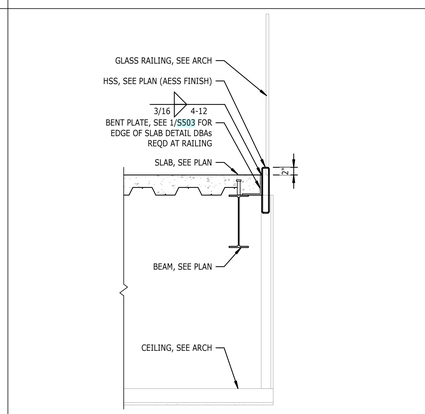
9 S507 SECTION
3/4" = 1'-0"



1 S507 SECTION
3/4" = 1'-0"



3 S507 SECTION
3/4" = 1'-0"



4 S507 SECTION
3/4" = 1'-0"

mcmillan pazdan smith
ARCHITECTURE

EDIFICE CONSTRUCTION

STEWART
101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202
T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #525065

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

NORTH CAROLINA PROFESSIONAL SEAL 041315 ENGINEER FETHINA A. AGMELLO
02/06/2026

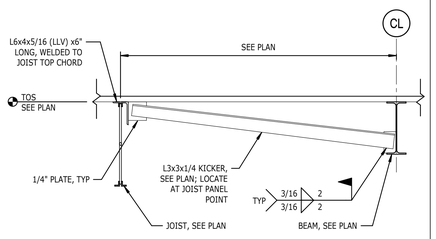
PRINCIPAL IN CHARGE: PAA
PROJECT ENGINEER: KAB
DRAWN BY: DB

SHEET TITLE:
FLOOR FRAMING SECTIONS

SHEET NO. S507
PROJ. NO. 024370.01

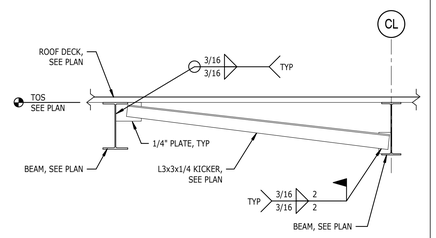
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ELECTRONIC ACCOUNTED FOR. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THIS PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

2/6/2026 12:24:49 PM Autodesk Docs://25072 BC Brunswick County Health & Human Services/25072_BC_BrunswickCHHS_STRU_R25.rvt



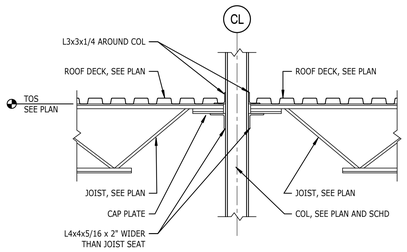
NOTES:
1. LOCATIONS INDICATED BY "BFB" ON PLAN.

17 S521 TYP BEAM BOTTOM FLANGE BRACING AT JOIST
3/4" = 1'-0"

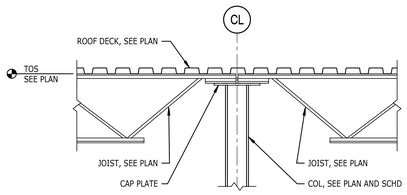


NOTES:
1. LOCATIONS INDICATED BY "BFB" ON PLAN.

18 S521 TYP BEAM BOTTOM FLANGE BRACING AT BEAM
3/4" = 1'-0"

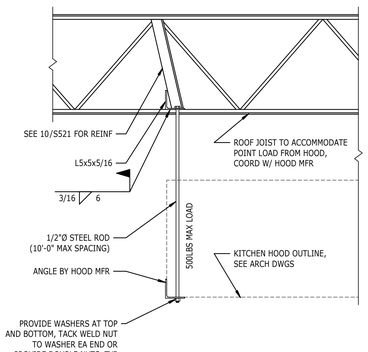


JOIST BEARING AT CONTINUOUS COLUMN

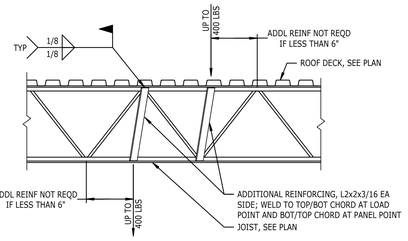


JOIST BEARING AT TOP OF COLUMN

13 S521 TYPICAL JOIST BEARING AT COLUMN DETAILS
NTS

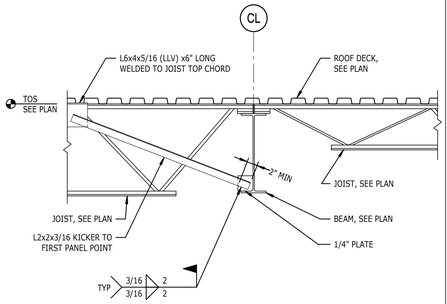


9 S521 KITCHEN HOOD SUPPORT
3/4" = 1'-0"

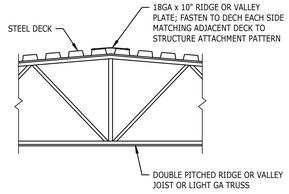


NOTES:
1. WHERE POSSIBLE, ALL LOADS ARE TO BE SUPPORTED FROM PANEL POINTS. WHERE NOT POSSIBLE, PROVIDE REINFORCEMENT AS DETAILED.
2. LOADS LESS THAN 100 LBS REQUIRE NO ADDITIONAL REINFORCING. LOADS LARGER THAN 400 LBS PER JOIST REQUIRE SPECIAL SUPPORT CONDITIONS TO BE APPROVED BY THE ENGINEER OF RECORD.
3. BOTTOM CHORDS EXTENDING UNSUPPORTED PAST THE FIRST BOTTOM PANEL POINT TOWARD JOIST BEARING LOCATION ARE NOT TO BE USED TO SUPPORT ANY LOAD WITHOUT WRITTEN PERMISSION FROM THE ENGINEER OF RECORD.

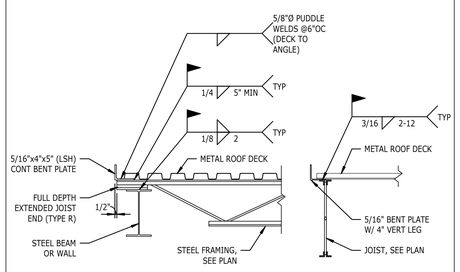
10 S521 TYPICAL JOIST REINFORCING AT POINT LOADS
NTS



16 S521 TYPICAL BEAM BOTTOM FLANGE BRACING
3/4" = 1'-0"

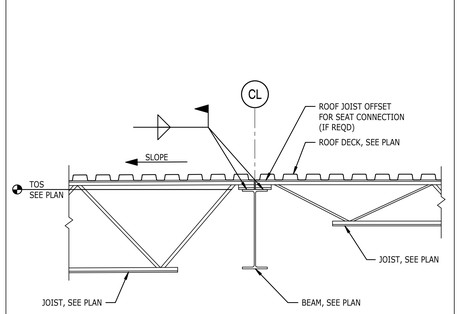


12 S521 RIDGE / VALLEY DETAIL
NTS

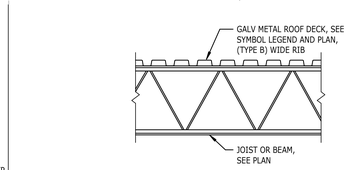


NOTES:
1. SEE OTHER DETAILS FOR INFORMATION NOT SHOWN.

5 S521 TYPICAL EDGE OF DECK
NTS



6 S521 TYPICAL JOIST BEARING AT GIRDER
NTS

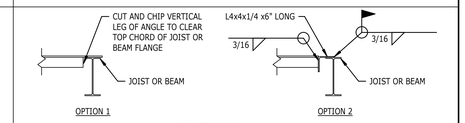


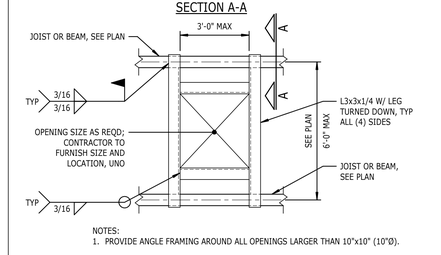
ROOF DECK ATTACHMENT DETAIL

NOTES:
1. ATTACH DECK TO SUPPORTING MEMBERS WITH SELF-DRILLING SELF-TAPPING HEX WASHER HEAD SCREWS. USE 5/8"ø PUDDLE WELDS FOR DECK ATTACHMENT TO SUPPORTS AND #10-16 FOR SIDELAP ATTACHMENT.
2. AT DECK BEARING SUPPORTS, PROVIDE PUDDLE WELDS AT 36/5 PATTERN.
3. AT SUPPORTS PARALLEL TO DECK SPAN, PROVIDE PUDDLE WELDS @6"OC, TYPICAL.
4. AT DECK SIDELAPS/PERIMETER EDGE, PROVIDE SCREWS @6"OC, TYPICAL.
5. ALL DECK ENDS TO BE LAPPED ON BOTH ENDS. DO NOT BUTT JOINTS.
6. DECK SECTION MINIMUM PROPERTIES: SEE TABLE BELOW.
7. DECK SHALL BE CONTINUOUS OVER (2) OR MORE SPANS, TYPICAL.
8. 5/8"Ø PUDDLE WELDS MAY BE USED FOR DECK ATTACHMENT TO SUPPORTS AT SAME SPACING SPECIFIED ABOVE. SIDELAP FASTENING MUST BE SCREWED AS DESCRIBED ABOVE.
9. CONTRACTOR OPTION TO SUBMIT MECHANICAL FASTENERS BY HILTI, SIMPSON STRONG-TIE, OR APPROVED EQUAL. SUBSTITUTION REQUESTS FOR PRODUCTS MAY BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER-OF-RECORD (EOR) FOR REVIEW. SUBSTITUTIONS WILL ONLY BE CONSIDERED FOR PRODUCTS THAT MEET THE CODE REQUIREMENTS FOR DECK ATTACHMENT, POSSESS A FM GLOBAL APPROVAL AND POSSESS A CODE REPORT (ICC-ES) RECOGNIZING THE PRODUCT FOR THE APPROPRIATE APPLICATION. SUBSTITUTION REQUESTS SHALL INCLUDE CALCULATIONS THAT DEMONSTRATE THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE EQUIVALENT PERFORMANCE VALUES OF THE DESIGN BASIS PRODUCT. CONTRACTOR SHALL CONTACT MANUFACTURER'S REPRESENTATIVE FOR PRODUCT INSTALLATION TRAINING AND A LETTER SHALL BE SUBMITTED TO THE EOR INDICATING TRAINING HAS TAKEN PLACE. FASTENERS SHALL BE COLLATED AND INSTALLED USING THE MANUFACTURER'S DELIVERY TOOL AND FOLLOWING MANUFACTURER'S INSTRUCTIONS.

DECK TYPE	DESIGN THICKNESS (in)	DECK WEIGHT (psf)	I_d (in⁴/ft)	S_p (in³/ft)	I_+ (in⁴/ft)	S_+ (in³/ft)	V_+ (lbs/ft)	F_y (ksi)
B18	0.0474	2.82	0.289	0.318	0.295	0.327	2870	33

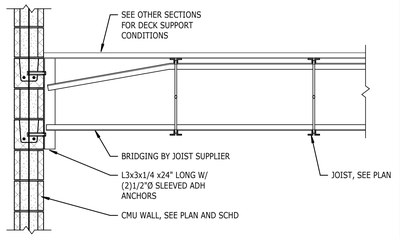
1 S521 TYPICAL 1 1/2" METAL ROOF DECK
NTS



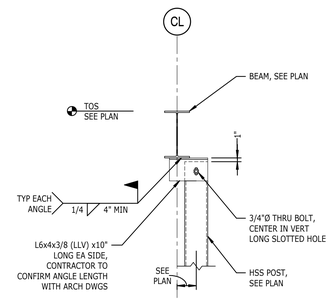


NOTES:
1. PROVIDE ANGLE FRAMING AROUND ALL OPENINGS LARGER THAN 10"x10" (10"Ø).

3 S521 TYPICAL FRAMING AT 1 1/2" DECK OPENINGS
NTS

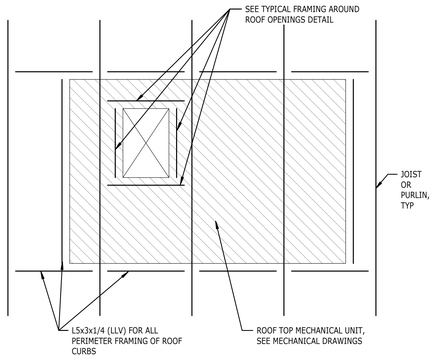


11 S521 TYPICAL JOIST BRIDGING
NTS



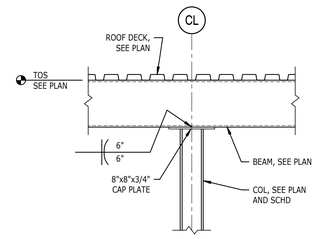
NOTES:
1. DO NOT WELD CLIP ANGLES TO HSS POST.

7 S521 TYPICAL STEEL POST SLIP CONNECTION
NTS



NOTES:
1. ALL MEMBERS NOT SIZED ON FRAMING PLAN SHALL BE L5x3x1/4.

8 S521 TYPICAL MECHANICAL RTU FRAMING
NTS



4 S521 TYPICAL BEAM CANTILEVERED OVER COLUMN
NTS

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

STEWART
101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202
T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #525065

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

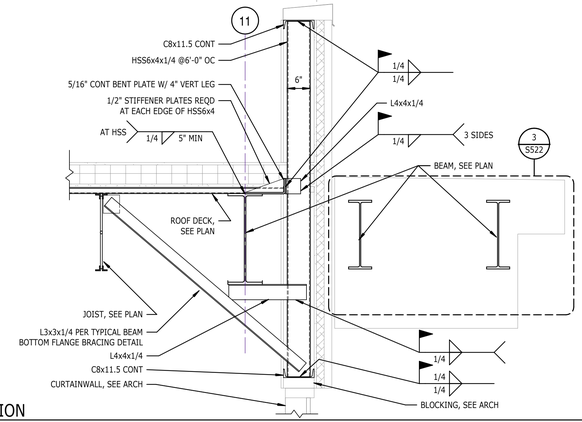
SHEET ISSUE:
NO. DATE DESCRIPTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 041315 PETRINA A. MONELLO
02/06/2026

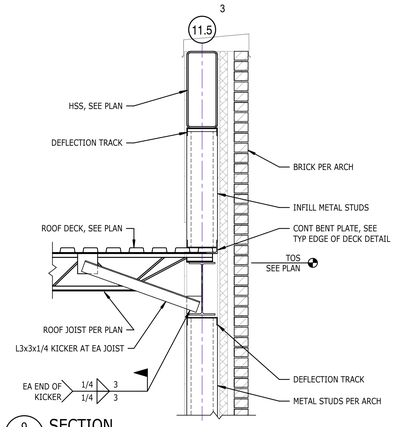
PRINCIPAL IN CHARGE: PAA
PROJECT ENGINEER: KAB
DRAWN BY: DB

SHEET TITLE:
STEEL ROOF DETAILS

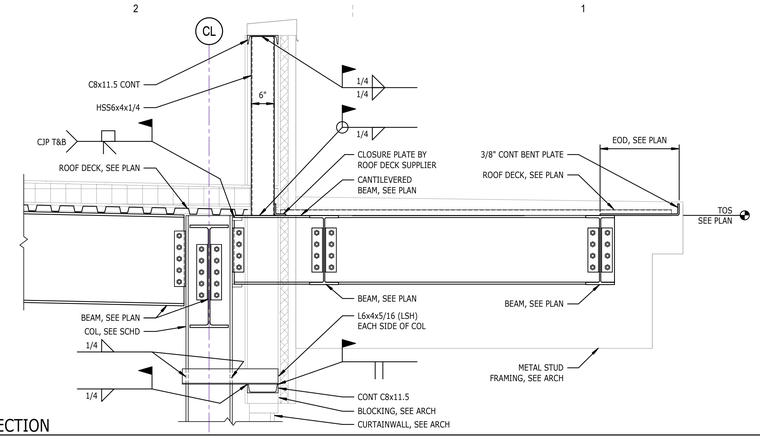
SHEET NO. S521
PROJ. NO. 024370.01



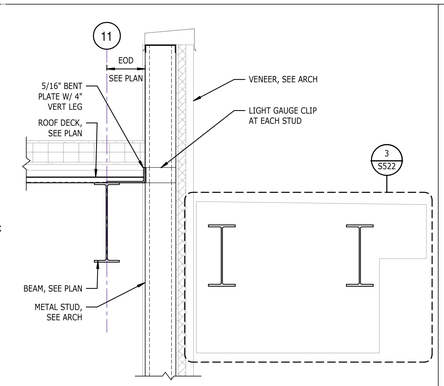
13 S522 SECTION
3/4" = 1'-0"



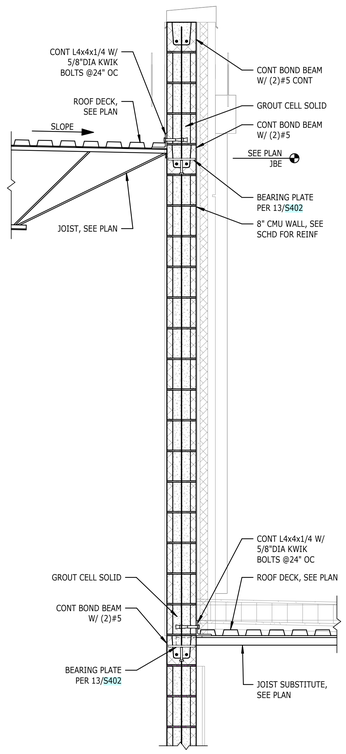
9 S522 SECTION
3/4" = 1'-0"



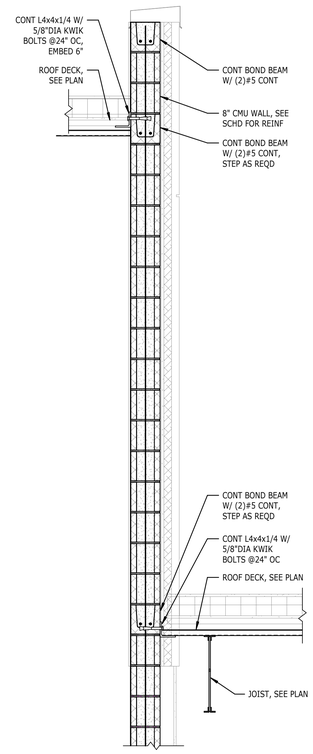
1 S522 SECTION
3/4" = 1'-0"



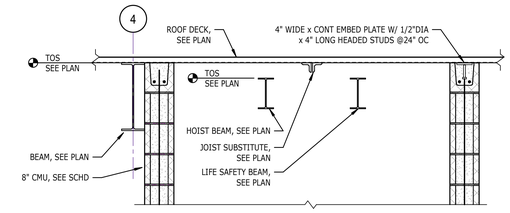
18 S522 SECTION
3/4" = 1'-0"



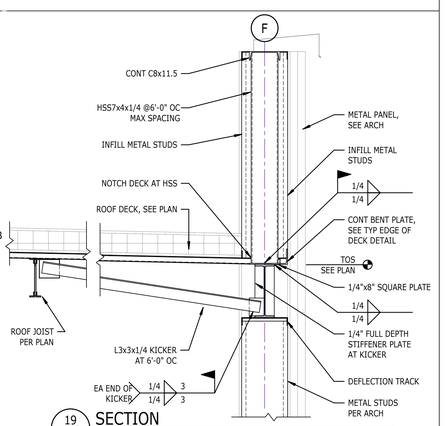
14 S522 SECTION
3/4" = 1'-0"



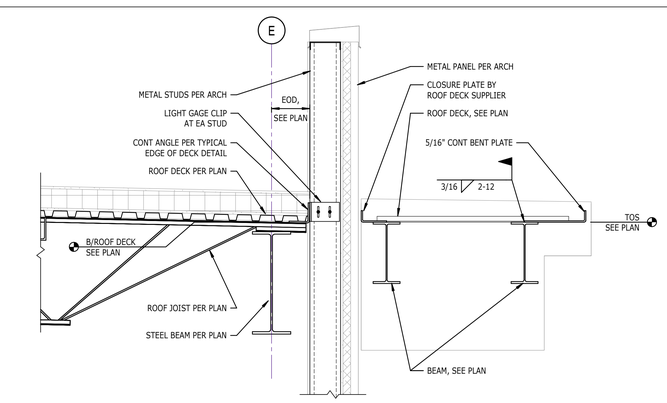
10 S522 SECTION
3/4" = 1'-0"



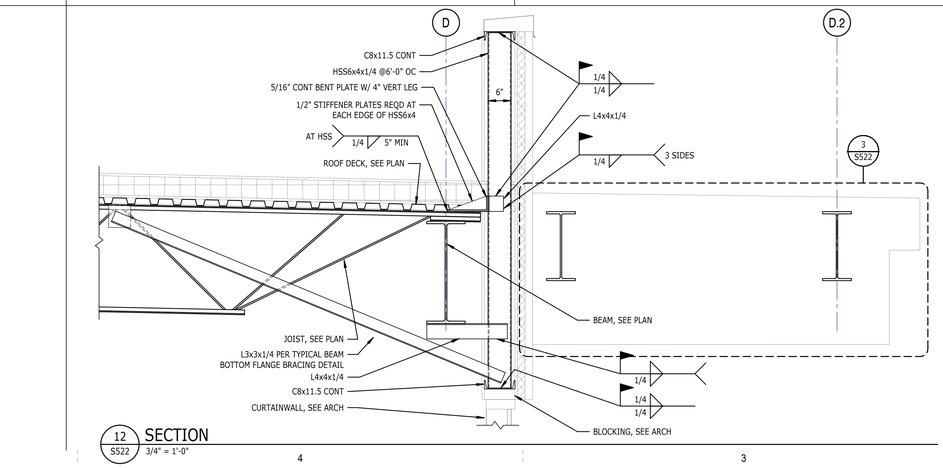
2 S522 SECTION
3/4" = 1'-0"



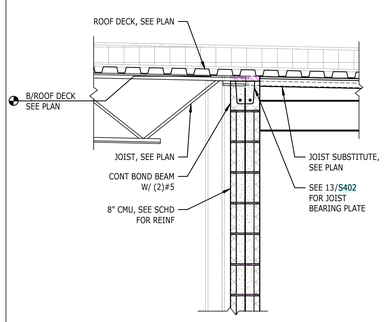
19 S522 SECTION
3/4" = 1'-0"



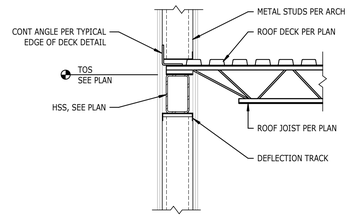
3 S522 SECTION
3/4" = 1'-0"



12 S522 SECTION
3/4" = 1'-0"



8 S522 SECTION
3/4" = 1'-0"



4 S522 SECTION
3/4" = 1'-0"

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON MPS PROJECT AND SITE ONLY. THESE MATERIALS ARE NOT TO BE USED IN THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR STORED IN ACCORDANCE WITH MPS'S CONTRACT. ALL REPRODUCTIONS, COPIES OR ASSIGNMENTS OF THESE DOCUMENTS, WITHOUT THE SPECIFIC WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE, ARE STRICTLY FORBIDDEN AND MAY BE ENFORCED AGAINST BY LEGAL PROCEEDINGS IF NECESSARY. ALL TITLE, COPYRIGHT AND OTHER PROPRIETARY RIGHTS IN THE PROJECT, INCLUDING ALL ARCHITECTURAL WORKS AND COPYRIGHTS THEREIN, ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. BY DISTRIBUTION OR DISCLOSURE OF THE PROJECT OR ANY PORTION OF THE PROJECT, NO RIGHTS TO THE PROJECT OR ANY PORTION OF THE PROJECT ARE CONVEYED OR INTENDED TO BE CONVEYED TO ANY OWNER, CONTRACTOR, SUBCONTRACTOR, SUPPLIER, CONSULTANT, ENGINEER OR ANY OTHER PERSON OR ENTITY. ANY USE OF THE PROJECT OR ANY PORTION OF THE PROJECT FOR ANY PURPOSE OTHER THAN THE SPECIFIC PROJECT FOR WHICH IT WAS PREPARED IS PROHIBITED. ANY USE OF THE PROJECT OR ANY PORTION OF THE PROJECT WITHOUT THE SPECIFIC WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE IS PROHIBITED AND WILL BE AT THE SOLE RISK OF THE USER. ANY USER OF THE PROJECT OR ANY PORTION OF THE PROJECT AGREES TO INDEMNIFY AND HOLD HARMLESS MCMILLAN PAZDAN SMITH ARCHITECTURE FROM AND AGAINST ANY AND ALL CLAIMS, DAMAGES, LOSSES, AND EXPENSES, INCLUDING ATTORNEYS' FEES, ARISING OUT OF OR RESULTING FROM SUCH USE OF THE PROJECT OR ANY PORTION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

STEWART
101 N TRYON ST
SUITE 1400
CHARLOTTE, NC 28202
T 704.334.7925
FIRM LICENSE #F-1536
PROJECT #525065

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 041315 PETRINA A. MONELLO

02/06/2026

PRINCIPAL IN CHARGE: PAA
PROJECT ENGINEER: KAB
DRAWN BY: DB

SHEET TITLE:
ROOF FRAMING SECTIONS

SHEET NO. S522
PROJ. NO. 024370.01

ABBREVATION NOTES:

1. ABBREVIATIONS LISTED BELOW APPLY TO THE ARCHITECTURAL DRAWINGS ONLY, REFER TO CONSTRUCTION DOCUMENTS PREPARED BY MPS CONSULTANTS FOR ABBREVIATIONS USED.
2. REFER TO FINISH SCHEDULE FOR FINISH MATERIAL ABBREVAITIONS NOT SHOWN.

A/C	AIR CONDITION
A/E	ARCHITECT/ENGINEER
ACT	ACOUSTICAL CEILING TILE
ADJ	ADJACENT or ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
ALT	ALTERNATE
ALUM	ALUMINUM
APPROX	APPROXIMATE
ARCH	ARCHITECT
ASI	ARCHITECT'S SUPPLEMENTAL INSTRUCTION
AVG	AVERAGE
BD	BOARD
BD FT	BOARD FEET (FOOT)
BLDG	BUILDING
BOS	BOTTOM OF STEEL
BOT	BOTTOM
CAB	CABINET
CCTV	CLOSED CIRCUIT TELEVISION
CF	CONTRACTOR FURNISHED
CF/CI	CONTRACTOR FURNISHED/CONTRACTOR INSTALLED
CF/OI	CONTRACTOR FURNISHED/OWNER INSTALLED
CFMF	COLD-FORMED METAL FRAMING
CG	CORNER GUARD
CIP	CAST-IN-PLACE
CJ	CONSTRUCTION JOINT\ CONTROL JOINT
C/L	CENTER LINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
CONC	CONCRETE
CONF	CONFERENCE
COORD	COORDINATE
CORR	CORRIDOR
DBL	DOUBLE
DEMO	DEMOLITION/DEMOLISH
DEPT	DEPARTMENT
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DISP	DISPENSER
DIST	DISTANCE
DS	DOWNSPOUT
DW	DISHWASHER
EA	EACH
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC(AL)
ELEM	ELEMENTARY
ELEV	ELEVATOR
EMER	EMERGENCY
EOS	EDGE OF SLAB
EP	EPOXY PAINT
EPS	EXPANDED POLYSTYRENE BOARD (INSULATION)
EQ	EQUAL
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
ETR	EXISTING TO REMAIN
EWH	ELECTRIC WATER HEATER
EXIST	EXISTING
EXT	EXTERIOR
FA	FIRE ALARM
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FIXT	FIXTURE
FOC	FACE OF CONCRETE/ FACE OF CURB
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FOW	FACE OF WALL
FURN	FURNITURE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GFRC	GLASS-FIBER-REINFORCED CONCRETE
GFRG	GLASS-FIBER-REINFORCED GYPSUM
GFRP	GLASS-FIBER-REINFORCED PLASTER
GL	GLASS/GLAZING
GMP	GUARANTEED MAXIMUM PRICE
GYP BD	GYPSUM WALL BOARD
HB	HOSE BIBB
HC	HOLLOW CORE
HDW	HARDWARE
HM	HOLLOW METAL
HORZ	HORIZONTAL
ID	INSIDE DIAMETER/ INSIDE DIMENSION
INSUL	INSULATION
INT	INTERIOR
JAN	JANITOR
JT	JOINT
KD	KNOCKED DOWN
LAM	LAMINATE
LAV	LAVATORY
LF	LINEAR FEET (FOOT)
LOS	LINE OF SIGHT
LWC	LIGHTWEIGHT CONCRETE
MAINT	MAINTENANCE
MAX	MAXIMUM
MED	MEDICAL
MEZZ	MEZZANINE
MID	MIDDLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MLDG	MOLDING (MOULDING)
MOD BIT	MODIFIED BITUMEN
MR	MOISTURE RESISTANT
MTL	METAL
MW	MICROWAVE
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTP	NOTICE TO PROCEED
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFD	OVERFLOW DRAIN
OF/CI	OWNER FURNISHED/CONTRACTOR INSTALLED
OF/OI	OWNER FURNISHED/OWNER INSTALLED
OPP	OPPOSITE
P	PAINT
PAT	PATTERN
PERF	PERFORATED
PERM	PERMANENT
PERP	PERPENDICULAR
PJ	PANEL JOINT
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PLYWD	PLYWOOD
POLYISO	POLYISOCYANURATE
PORC	PORCELAIN
PREFAB	PREFABRICATE
PT	PRESSURE TREATED
R	RADIUS
RA	RELIEF ANGLE
RB	RESILIENT BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REBAR	REINFORCING STEEL BARS
REF	REFERENCE
REINF	REINFORCE
REQD	REQUIRED
RH	ROOF HATCH
RM	ROOM
RO	ROUGH OPENING
RTF	RUBBER TILE FLOOR
RTU	ROOF TOP UNIT
RV	ROOF VENT
SCHED	SCHEDULE
SD	SMOKE DETECTOR
SHR	SHOWER
SHRD	SHOWER DRAIN
SIM	SIMILAR
SP	STANDPIPE
SPEC	SPECIFICATION(S)
SPKLR	SPRINKLER
SPKR	SPEAKER
SQ FT	SQUARE FOOT
SS	SOLID SURFACE
SST	STAINLESS STEEL
STC	SOUND TRANSMISSION CLASS
STOR	STORAGE
SUSP CLG	SUSPENDED CEILING
SYM	SYMMETRICAL
TA	TOILET ACCESSORY
TBD	TO BE DETERMINED
T&G	TONGUE AND GROOVE
TEMP	TEMPORARY
THRU	THROUGH
TLT	TOILET
TOM	TOP OF MASONRY
TOP	TOP OF PARAPET
TOS	TOP OF SLAB\ TOP OF STEEL
TOW	TOP OF WALL
TS	TRANSITION STRIP
UNFIN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
W/	WITH
W/O	WITHOUT
WB	WOOD BASE
WC	WATER CLOSET
WD	WOOD
WH	WATER HEATER
WP	WALL PROTECTION
WRB	WATER RESISTANT BARRIER
WSCT	WAINSCOT
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH
XPS	EXTRUDED POLYSTYRENE BOARD (INSULATION)

ABBREVIATIONS LIST

LINE TYPES

BEYOND
CENTERLINE
DEMOLISHED
HIDDEN
OVERHEAD

ANNOTATIONS

CENTERLINE DIMENSION
COLUMN GRID TAG - NEW
COLUMN GRID TAG - EXISTING
ALIGN FACE OF SURFACES
SPOT ELEVATION
LEVEL / ELEVATION HEIGHT
REVISION TAG AND CLOUD

ANNOTATIONS AND TAGS

CASEWORK (BASE): WIDTH; TYPE (SEE CASEWORK DETAILS); DEPTH; HEIGHT

CASEWORK (WALL): HEIGHT; DEPTH; TYPE (SEE CASEWORK DETAILS); WIDTH

DOOR TAG: FLOOR # = 1 OR 2 DIGITS; ROOM # = 2 OR 3 DIGITS; DOOR SEQUENCE (ALPHABETIC); DOOR RATING (IF SHOWN); PANIC HARDWARE (IF SHOWN)

ANNOTATIONS AND TAGS

NORTH (PROJECT OR TRUE)
PROJECT NORTH
TRUE NORTH
WINDOW / CURTAIN WALL TAG
LOUVER TAG
WALL TAG
DEMOLITION KEYNOTE
KEYNOTE
ACCESSORY TAG
FURNITURE TAG
EQUIPMENT TAG
SIGNAGE TAG

CEILING TAG: CEILING TYPE (IF / WHEN INDICATED); CEILING HEIGHT

ROOM TAG(S):
ROOM TAG WITH AREA (NO ROOM #)
DEPARTMENT OR PHASE (IF SHOWN); ROOM NAME; ROOM # = 2 OR 3 DIGITS; FLOOR # = 1 OR 2 DIGITS
AREA (IF SHOWN)
AREA ONLY

LIFE SAFETY ANNOTATIONS

AREA OCCUPANCY TAG(S): OCCUPANCY TYPE; AREA SQ FT; SF PER OCCUPANT; OCCUPANCY LOAD; POSTED OCCUPANCY

DOOR EGRESS TAG: EXIT OCCUPANT LOAD; EXIT CLEAR WIDTH; EGRESS CAPACITY; FIRE RATING (IN MINUTES); PANIC HARDWARE

EGRESS PATH(S): TRAVEL PATH; EXIT

FIRE EXTINGUISHERS: FIRE EXTINGUISER; SURFACE MOUNTED FEC; SEMI-RECESSED FEC; RECESSED FEC

EXIT SIGNS: CEILING MOUNTED; WALL MOUNTED; DIRECTION ARROWS (WHEN SHOWN)

VIEW REFERENCE

PHOTO REFERENCE TAG

PLAN VIEW TITLE REFERENCE: PLAN NUMBER; VIEW SCALE; CURRENT SHEET

DETAIL VIEW TITLE REFERENCE: DETAIL NUMBER; VIEW SCALE; CURRENT SHEET

PLAN / DETAIL CALLOUT: REFERENCED SHEET

BUILDING SECTION CALLOUT: REFERENCED SHEET

WALL SECTION CALLOUT: REFERENCED SHEET

DETAIL SECTION CALLOUT: REFERENCED SHEET

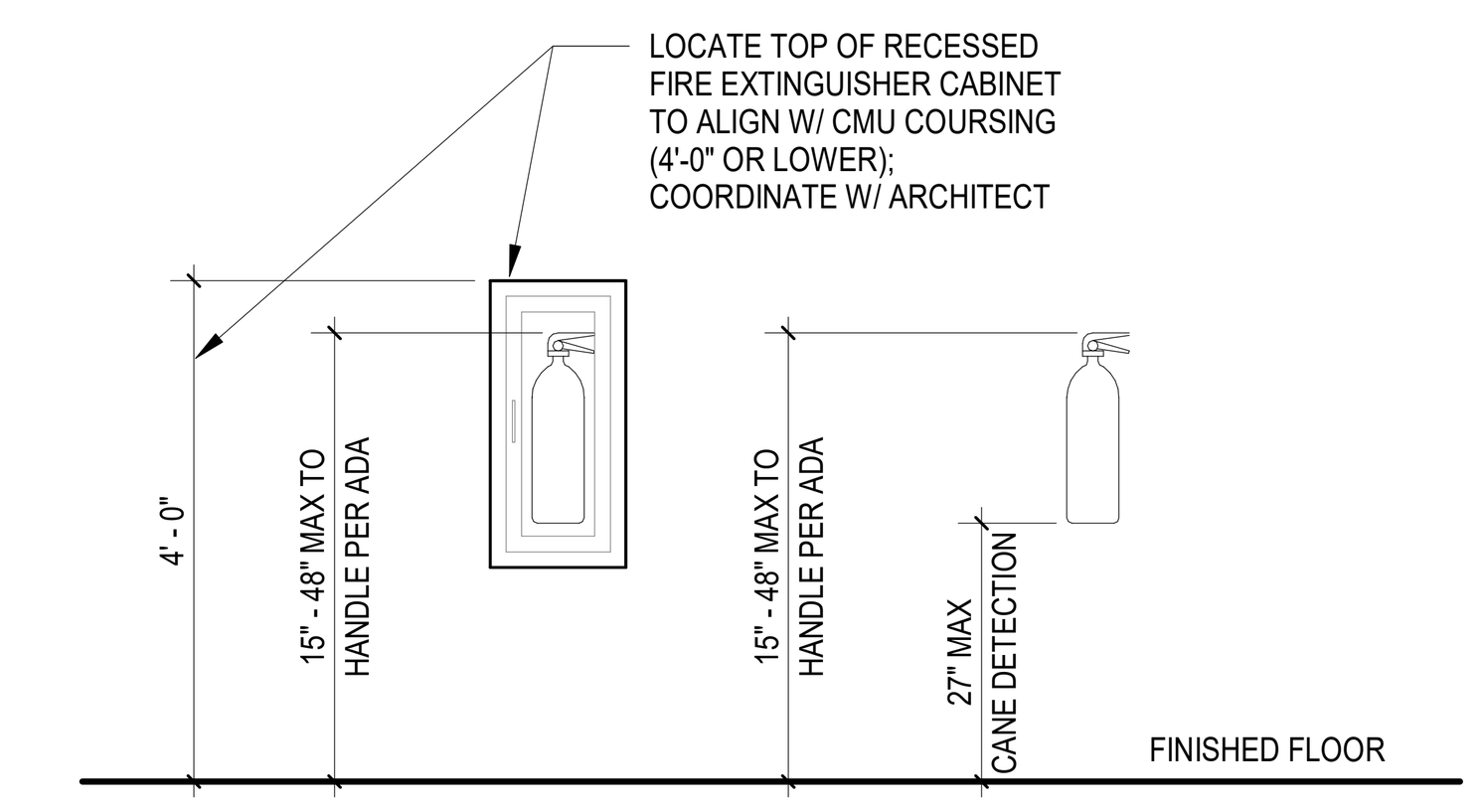
INTERIOR ELEVATION CALLOUT

EXTERIOR ELEVATION CALLOUT

STANDARD GRAPHICS AND SYMBOLS

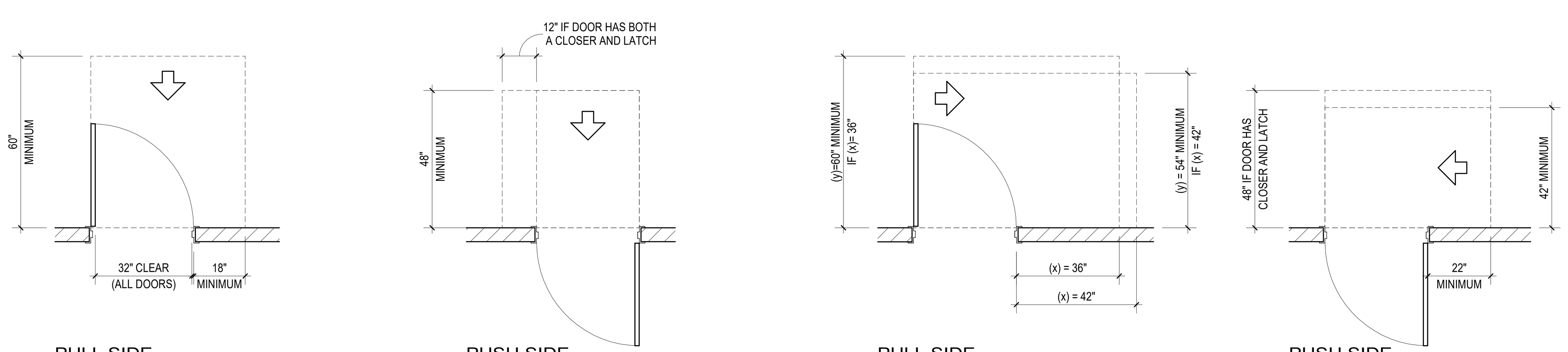
GENERAL NOTES - PROJECT

1. ALL CONTRACTORS AND SUB-CONTRACTORS ARE TO REVIEW ALL CONSTRUCTION DOCUMENTS AND APPROVED SHOP DRAWINGS TO COORDINATE WITH THEIR SPECIFIC FIELD. REFER ANY QUESTIONS TO THE ARCHITECT **AT LEAST 10 WORKING DAYS PRIOR TO BEGINNING WORK**.
2. WITHIN 10 DAYS OF NOTICE TO PROCEED, SUBMIT A DETAILED CONSTRUCTION SCHEDULE FOR THE PROJECT TO THE OWNER AND ARCHITECT. IT SHOULD INCLUDE TYPICAL HOURS OF WORK, ALL KNOWN PERIODS OF UTILITY OR TRAFFIC INTERRUPTIONS, AND DESCRIPTION OF ALL WORK. ALSO, CLEARLY INDICATE ANY NOISY OR DISRUPTIVE ACTIVITIES. INCLUDE DATES FOR ALL REQUIRED FREESTANDING AND IN-PLACE MOCK-UPS REQUIRING ARCHITECT REVIEW. MONTHLY APPLICATIONS FOR PAYMENT WILL NOT BE PROCESSED WITHOUT AN UPDATED PROJECT SCHEDULE.
3. WHEN DRAWINGS AND/OR SPECIFICATIONS DO NOT AGREE, ARCHITECT SHALL DECIDE WHICH IS CORRECT AND TO BE FURNISHED, SUPPLIED AND/OR INSTALLED. THE CONTRACTOR SHALL INCLUDE IN HIS BID THE MOST RESTRICTIVE OR COSTLY ALTERNATIVE. IN THESE INSTANCES, AT THE ARCHITECT'S DISCRETION, DRAWINGS MAY OVERRIDE SPECIFICATIONS.
4. TOBACCO PRODUCTS, DRUGS, & FIREARMS ARE PROHIBITED ON THE PROJECT SITE.
5. CONTRACTOR SHALL INSURE THAT ALL WORK WILL CONFORM TO/WITH ALL APPLICABLE BUILDING CODES AND STATE REGULATIONS.
6. REPETITIVE FEATURES NOT FULLY SHOWN OR NOTED ON THE DRAWINGS SHALL BE COMPLETELY PROVIDED AS IF DRAWN IN FULL.
7. PLANS WHICH APPEAR AS BACKGROUNDS ON DRAWINGS ARE FOR THE PURPOSE ONLY OF ILLUSTRATING GENERAL PLAN CONFIGURATION. SUCH BACKGROUNDS SHALL NOT BE USED FOR PORTIONS OF THE WORK OTHER THAN THAT PERTAINING TO THE TITLE OF EACH SHEET. REFER TO THE APPROPRIATE SHEET FOR EACH SPECIFIC PORTION OF THE WORK.
8. THE GENERAL CONTRACTOR AND RESPECTIVE SUBCONTRACTORS SHALL BE RESPONSIBLE FOR THE COORDINATION OF THE ENTIRE SCOPE OF WORK. THE ENTIRE SET OF CONTRACT DOCUMENTS SHALL BE REFERRED TO IN DETAIL FOR COORDINATION OF SPECIFIC REQUIREMENTS. THE GENERAL CONTRACTOR SHALL REVIEW THE ENTIRE SET OF DOCUMENTS FOR WORK OF VARIOUS TRADES WHICH MAY BE INCLUDED ON OTHER DISCIPLINE DRAWINGS OR SPECIFICATION SECTIONS FOR EXAMPLE: ELECTRICAL WORK INDICATED ON MECHANICAL SHEETS BUT NOT SHOWN ON THE ELECTRICAL DRAWINGS. THE CONTRACTOR SHALL PROVIDE ALL WORK REQUIRED TO COMPLETE ALL SYSTEMS INDICATED IN ALL DOCUMENTS WHETHER OR NOT THE WORK IS INDICATED IN THE TYPICAL DISCIPLINE LOCATION.
9. EXISTING (AND TEMPORARY) BUILDING EGRESS PATHS MUST BE CLEARLY DELINEATED AND MAINTAINED AT ALL TIMES.
10. CONTRACTOR SHALL KEEP ALL AREAS OF CONSTRUCTION CLEAR OF DEBRIS. CONSTRUCTION MATERIAL SHALL BE STORED IN A NEAT AND ORDERLY FASHION, ACCORDING TO THE MANUFACTURER'S OR PROVIDER'S RECOMMENDATIONS AND REQUIREMENTS. DAILY CLEANUP IS REQUIRED FOR THE ENTIRE SITE.
11. THE CONTRACTOR SHALL MAINTAIN AN UPDATED AS-BUILT SET OF DRAWINGS ON SITE IN A SECURE LOCATION. AFTER SUBSTANTIAL COMPLETION AND ACCEPTANCE BY THE DESIGN TEAM, THE GC IS TO PROVIDE COLOR SCANS OF THE AS-BUILT SET IN PDF FORMAT TO THE ARCHITECT.
12. COMPLY WITH ALL REQUIREMENTS FOR SAFEGUARDS DURING CONSTRUCTION AS OUTLINED IN IBC 2021 - CHAPTER 33. THIS MAY REQUIRE THE USE OF FENCING, BARRIERS, COVERED WALKWAYS, AND VISUAL SUPERVISION.



FIRE EXTINGUISHER IN RECESSED CABINET (LEFT) AND BRACKET MOUNTED (RIGHT)

FIRE EXTINGUISHER - MOUNTING DETAILS



PULL SIDE — PUSH SIDE

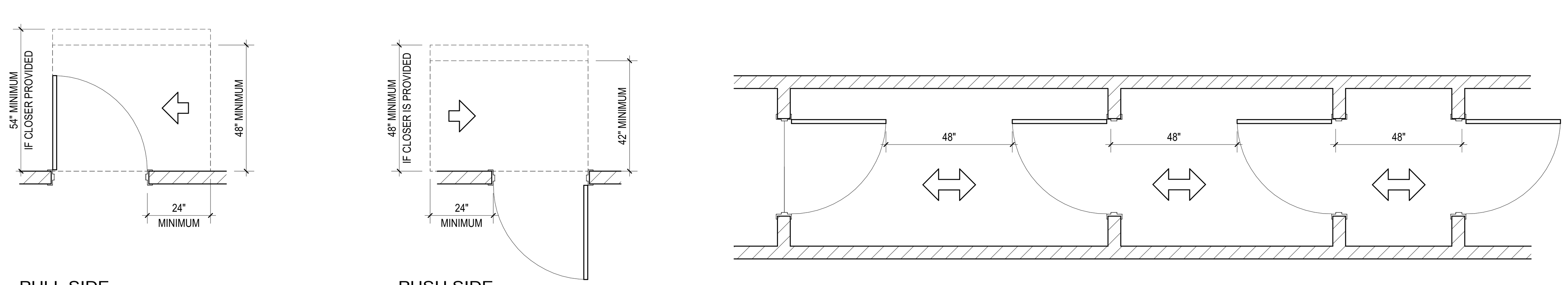
FRONT APPROACHES

PULL SIDE — PUSH SIDE

HINGE SIDE APPROACHES

NOTE:

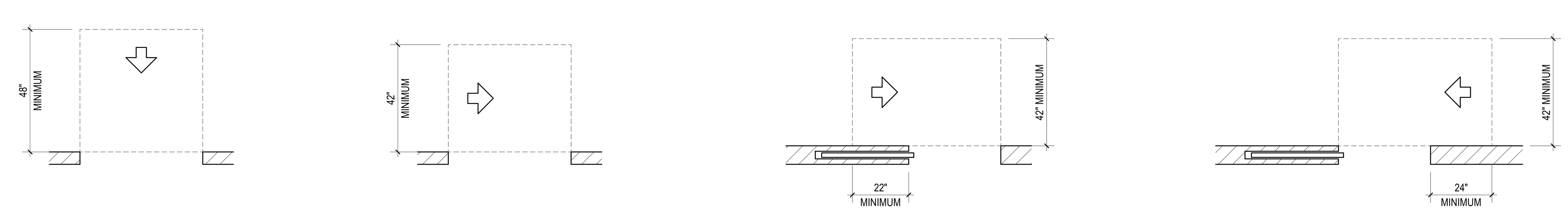
1. ALL DIMENSIONS SHOWN ARE MINIMUMS.
2. DIMENSIONS AND CLEARANCES SHOWN MUST BE PROVIDED AT ALL DOORS. CONTRACTOR SHALL REVIEW FIELD LAYOUT AND CONFIRM THAT ALL OF THE APPROPRIATE CLEARANCES ARE PROVIDED. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION. ANY REMEDIAL WORK THAT SHOULD HAVE BEEN AVOIDED BY BRINGING DISCREPANCIES TO THE ARCHITECT'S ATTENTION SHALL BE AT THE CONTRACTORS EXPENSE.



PULL SIDE — PUSH SIDE

LATCH SIDE APPROACHES

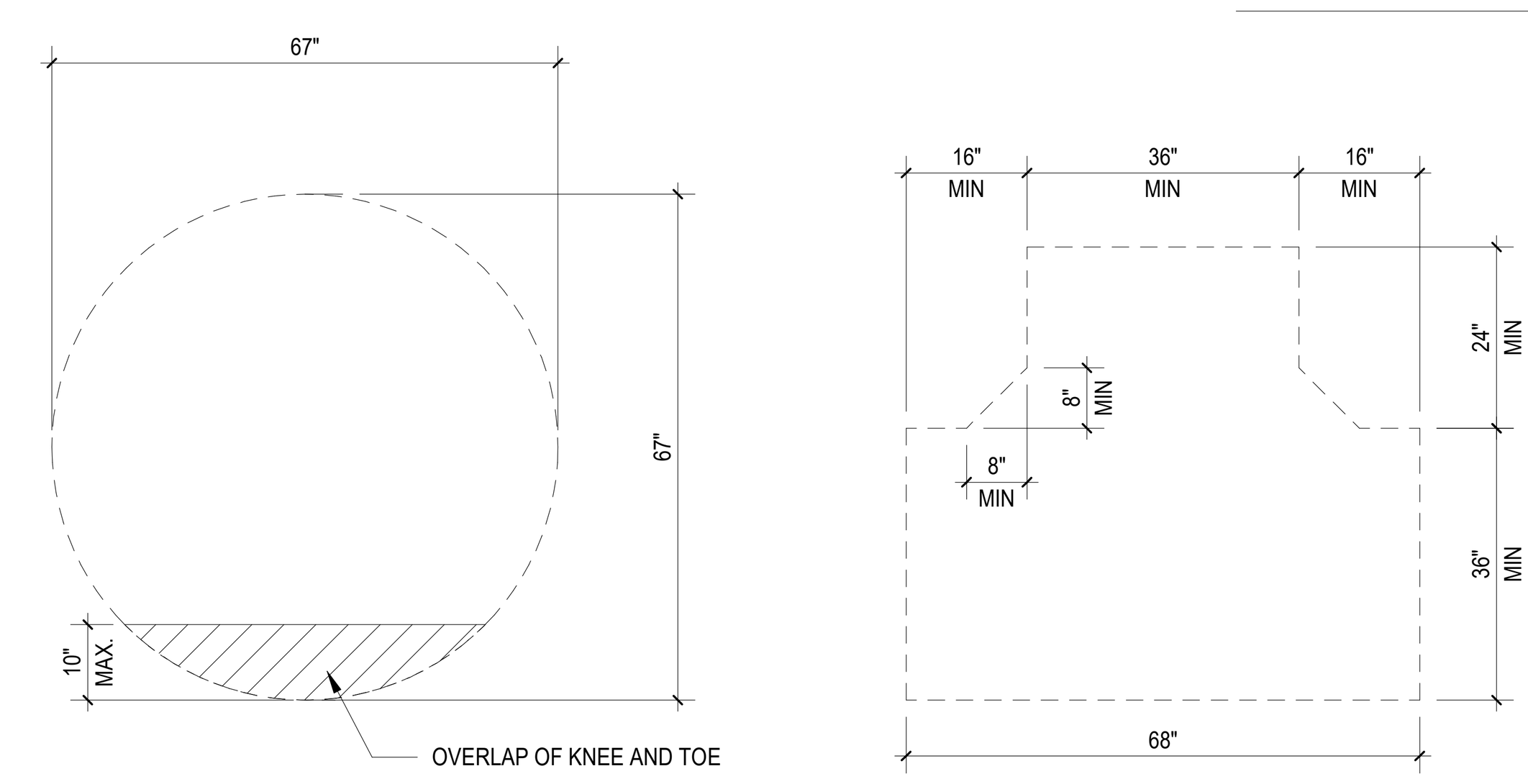
DOORS IN A SERIES



FRONT APPROACH — SIDE APPROACH — POCKET OR HINGE APPROACH — STOP OR LATCH APPROACH

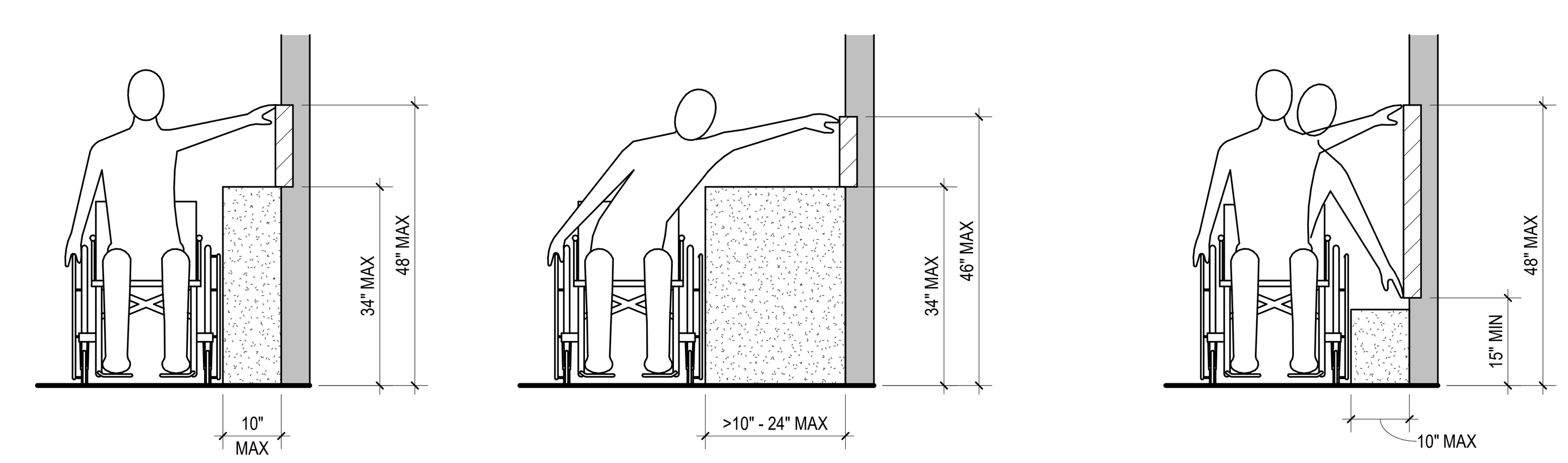
DOORWAY W/O DOORS, SLIDING DOORS, AND FOLDING DOORS

MANEUVERING CLEARANCES AT DOORS (ICC/ANSI-2009)

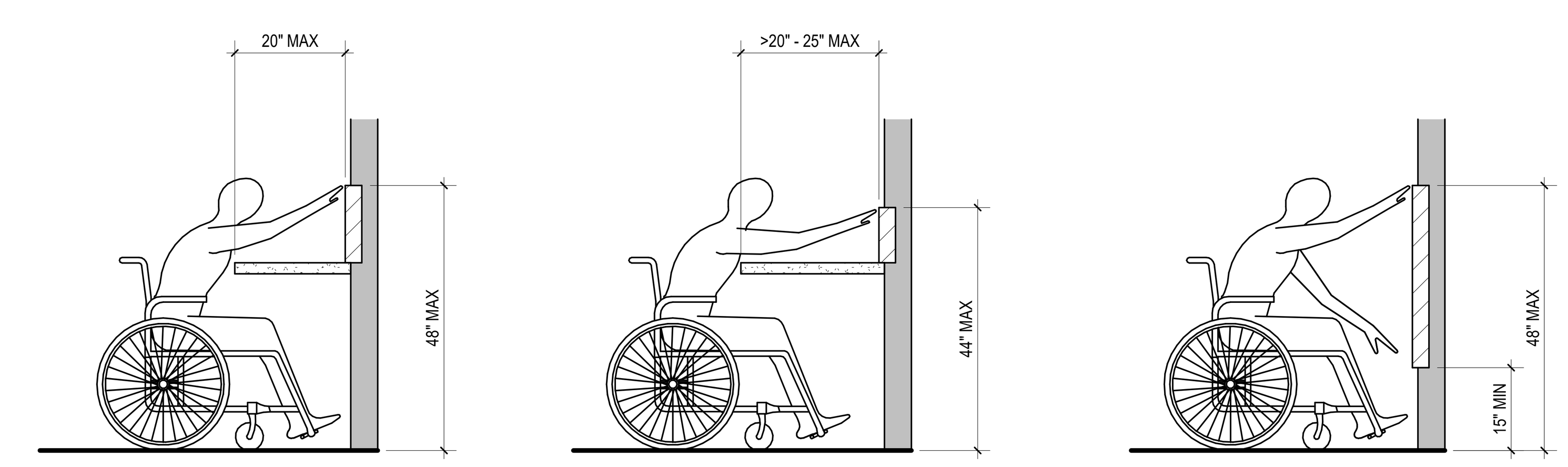


CIRCULAR TURNING SPACE — T-SHAPE TURNING SPACE

WHEELCHAIR TURNING SPACE



OBSTRUCTED HIGH SIDE REACH — UNOBSTRUCTED SIDE REACH



OBSTRUCTED HIGH FORWARD REACH — UNOBSTRUCTED FORWARD REACH

REACH RANGES

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED ARCHITECT SEAL 17168 LISA MARIE CONNELL 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: GC/DK

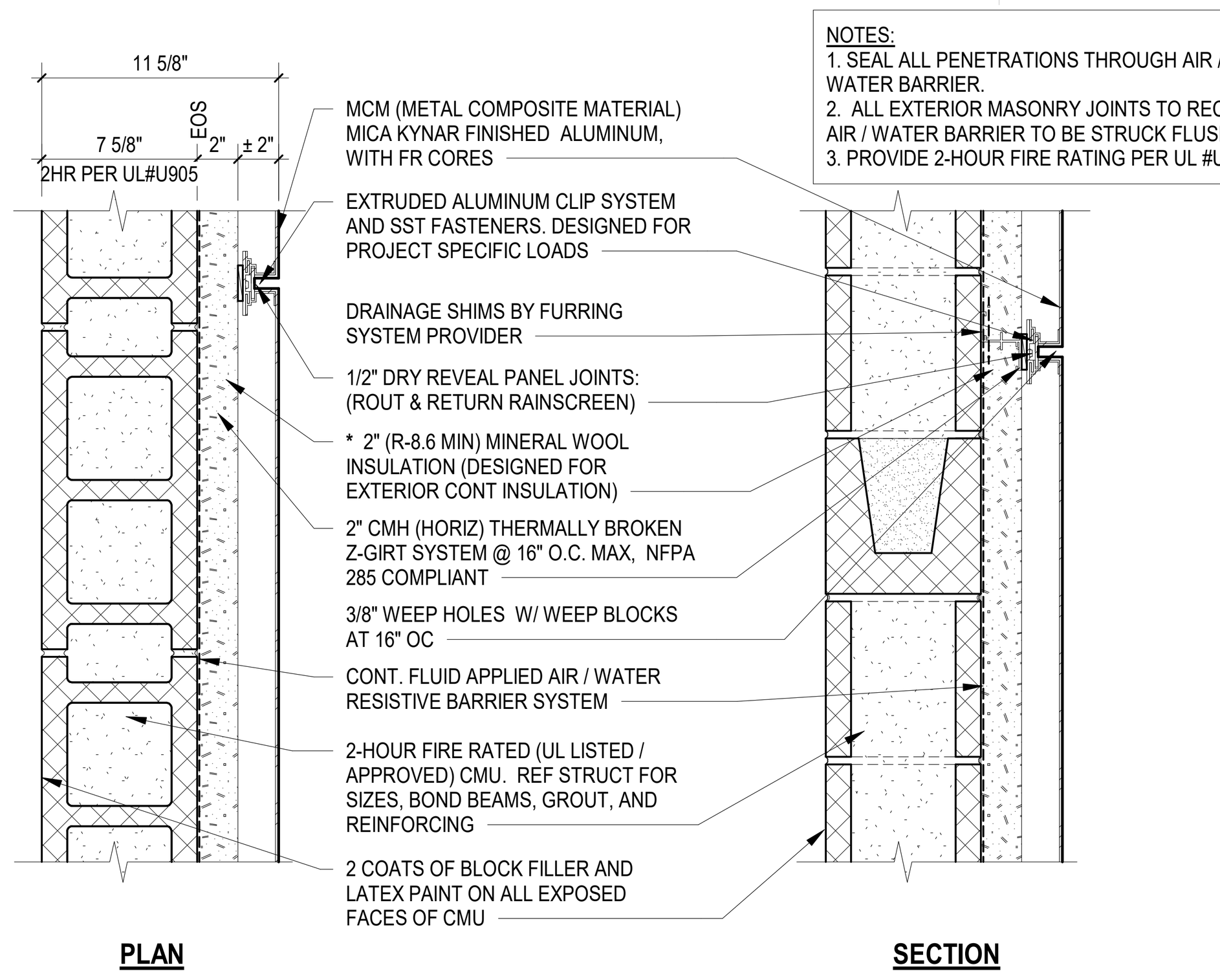
SHEET TITLE:
ABBREVIATION, SYMBOLS AND LEGENDS

SHEET NO. A001
PROJ. NO. 024370.01

4/2/2026 11:58:16 AM Autodesk Docs://024370.00_Brunswick County Health & Human Services/ARCH_Brunswick County Health and Human Servic_R23.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2026 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

4/2/2026 11:58:20 AM Autodesk Docs://024370.00_Brunswick County Health & Human Services/ARCH_Brunswick County Health and Human Servic_R23.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2026 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

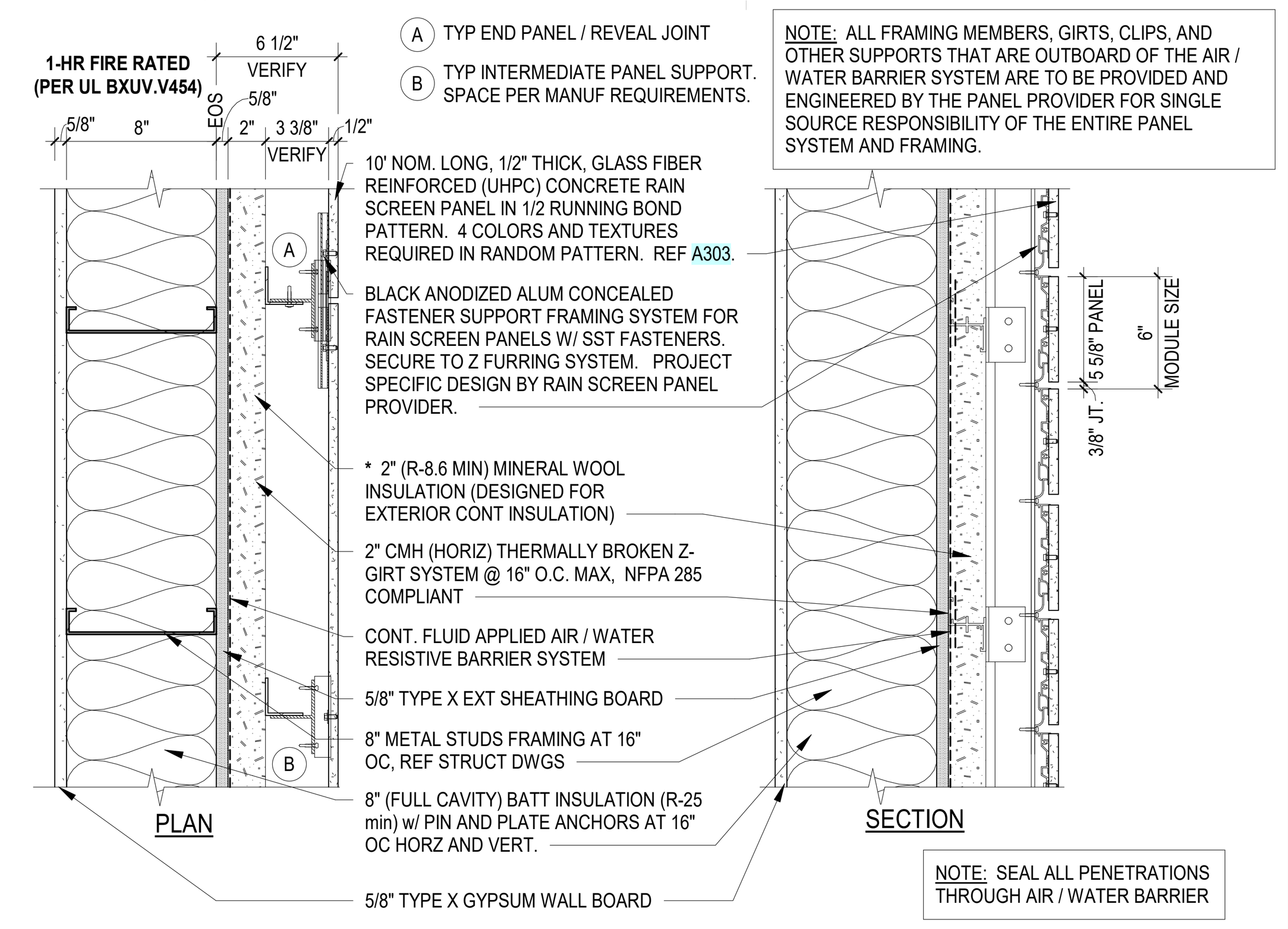
NOTES:
1. SEAL ALL PENETRATIONS THROUGH AIR / WATER BARRIER.
2. ALL EXTERIOR MASONRY JOINTS TO RECEIVE AIR / WATER BARRIER TO BE STRUCK FLUSH.
3. PROVIDE 2-HOUR FIRE RATING PER UL #U905



* REFER TO CONTINUOUS INSULATION (CI) NOTES ON SHEET A003 FOR SUBSTITUTION REQUESTS

D4 / A002 EXT WALL TYPE EW2C - CMU & MCM PANELS
1 1/2" = 1'-0"

NOTE: ALL FRAMING MEMBERS, GIRTS, CLIPS, AND OTHER SUPPORTS THAT ARE OUTBOARD OF THE AIR / WATER BARRIER SYSTEM ARE TO BE PROVIDED AND ENGINEERED BY THE PANEL PROVIDER FOR SINGLE SOURCE RESPONSIBILITY OF THE ENTIRE PANEL SYSTEM AND FRAMING.

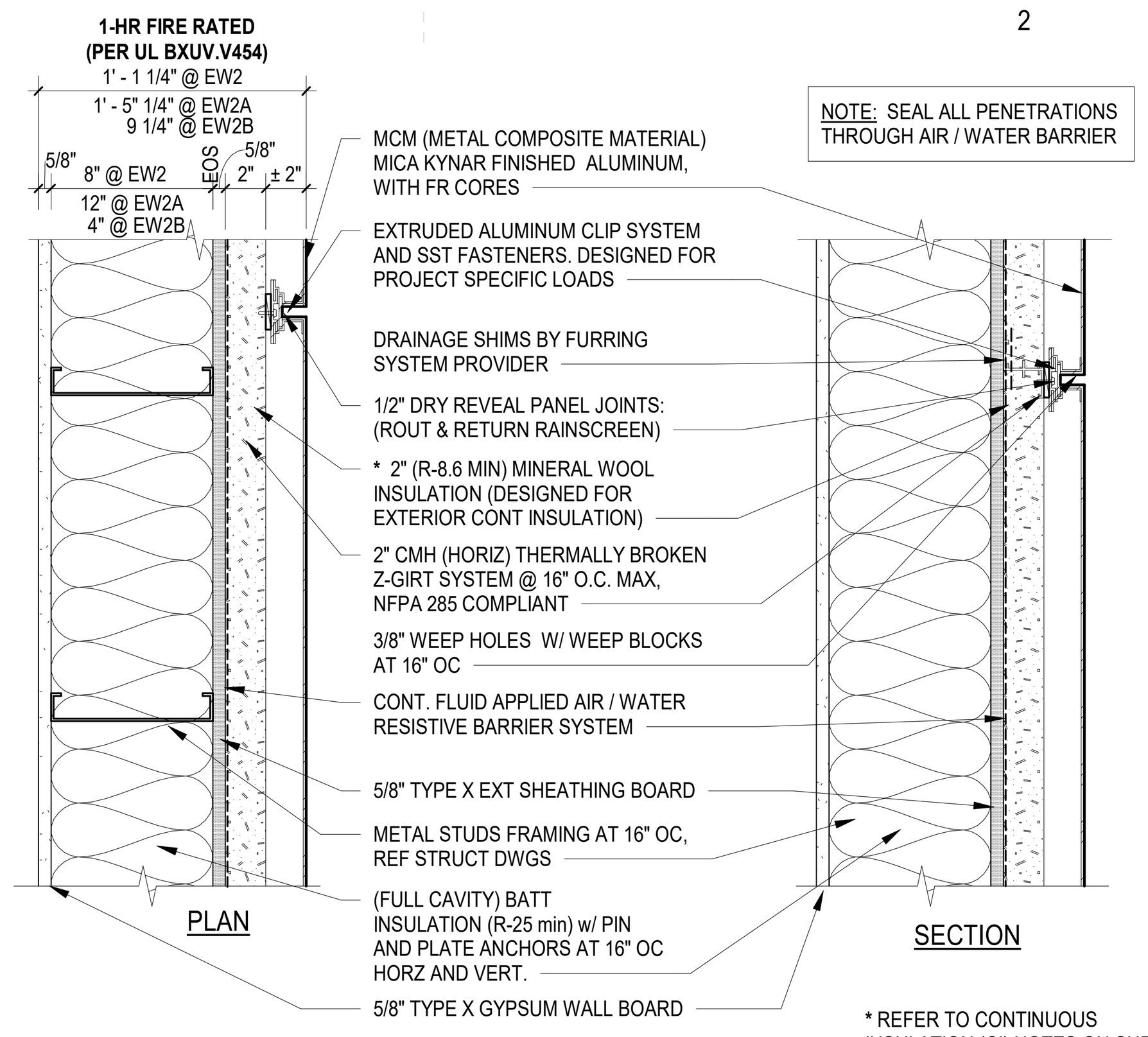


NOTE: SEAL ALL PENETRATIONS THROUGH AIR / WATER BARRIER

* REFER TO CONTINUOUS INSULATION (CI) NOTES ON SHEET A003 FOR SUBSTITUTION REQUESTS

D3 / A002 EXT WALL TYPE EW3 - MTL STUD & CONC PANELS
1 1/2" = 1'-0"

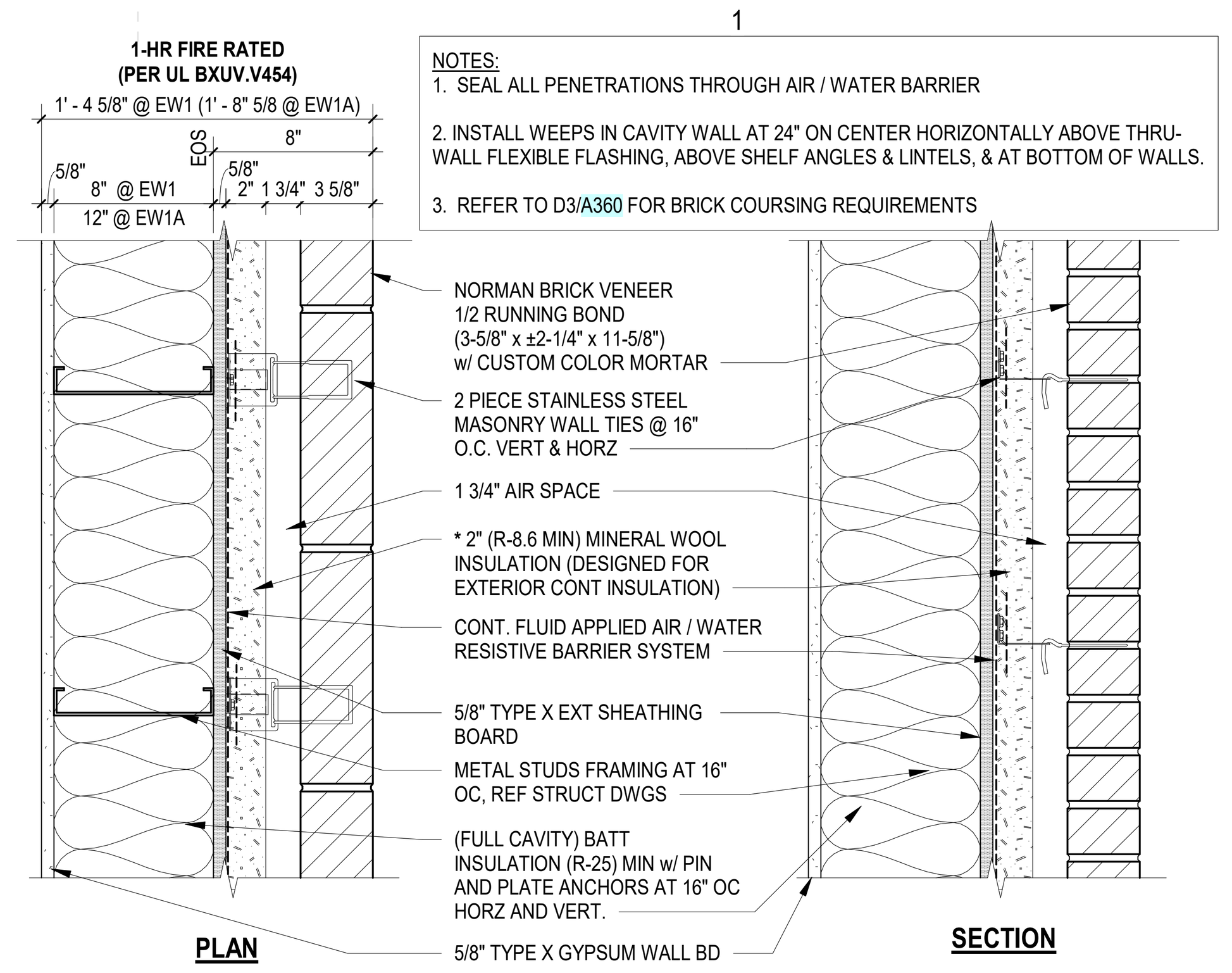
NOTE: SEAL ALL PENETRATIONS THROUGH AIR / WATER BARRIER



* REFER TO CONTINUOUS INSULATION (CI) NOTES ON SHEET A003 FOR SUBSTITUTION REQUESTS

D2 / A002 EXT WALL TYPE EW2 / EW2A / EW2B - MTL STUD & MCM PANELS
1 1/2" = 1'-0"

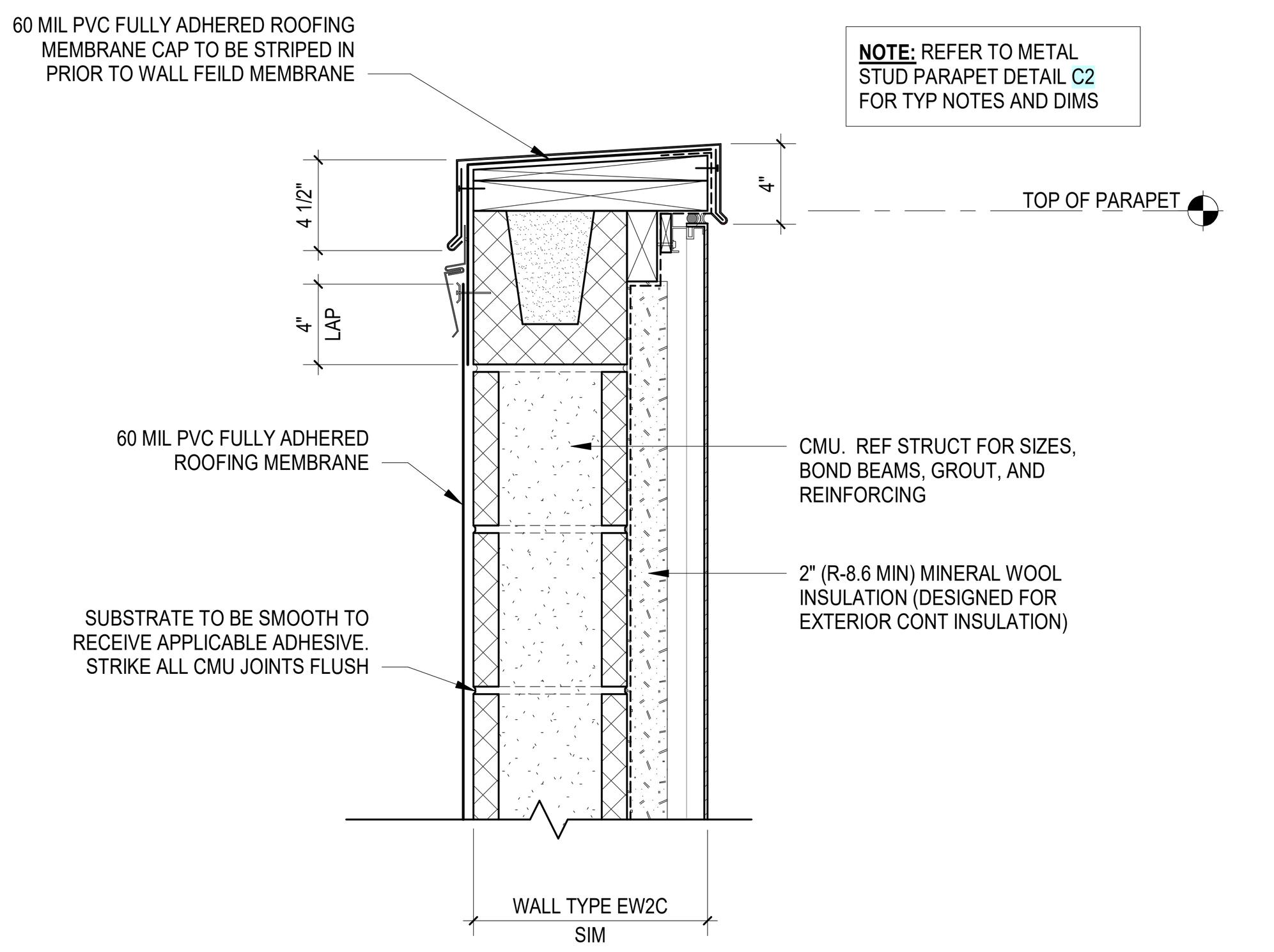
NOTES:
1. SEAL ALL PENETRATIONS THROUGH AIR / WATER BARRIER
2. INSTALL WEEPS IN CAVITY WALL AT 24" ON CENTER HORIZONTALLY ABOVE THRU-WALL FLEXIBLE FLASHING, ABOVE SHELF ANGLES & LINTELS, & AT BOTTOM OF WALLS.
3. REFER TO D3/A360 FOR BRICK COURSING REQUIREMENTS



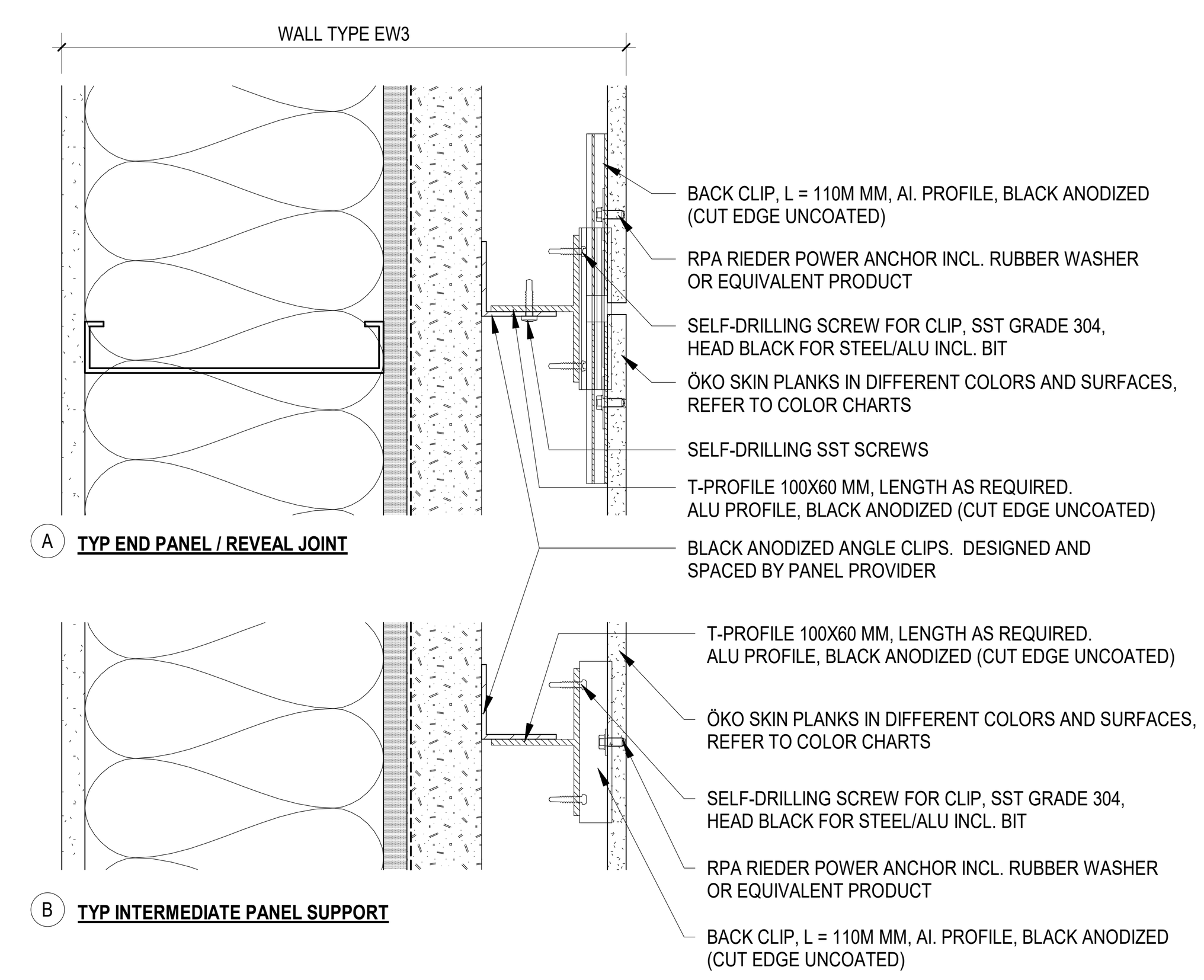
* REFER TO CONTINUOUS INSULATION (CI) NOTES ON SHEET A003 FOR SUBSTITUTION REQUESTS

D1 / A002 EXT WALL TYPE EW1 / EW1A - MTL STUD & BRICK
1 1/2" = 1'-0"

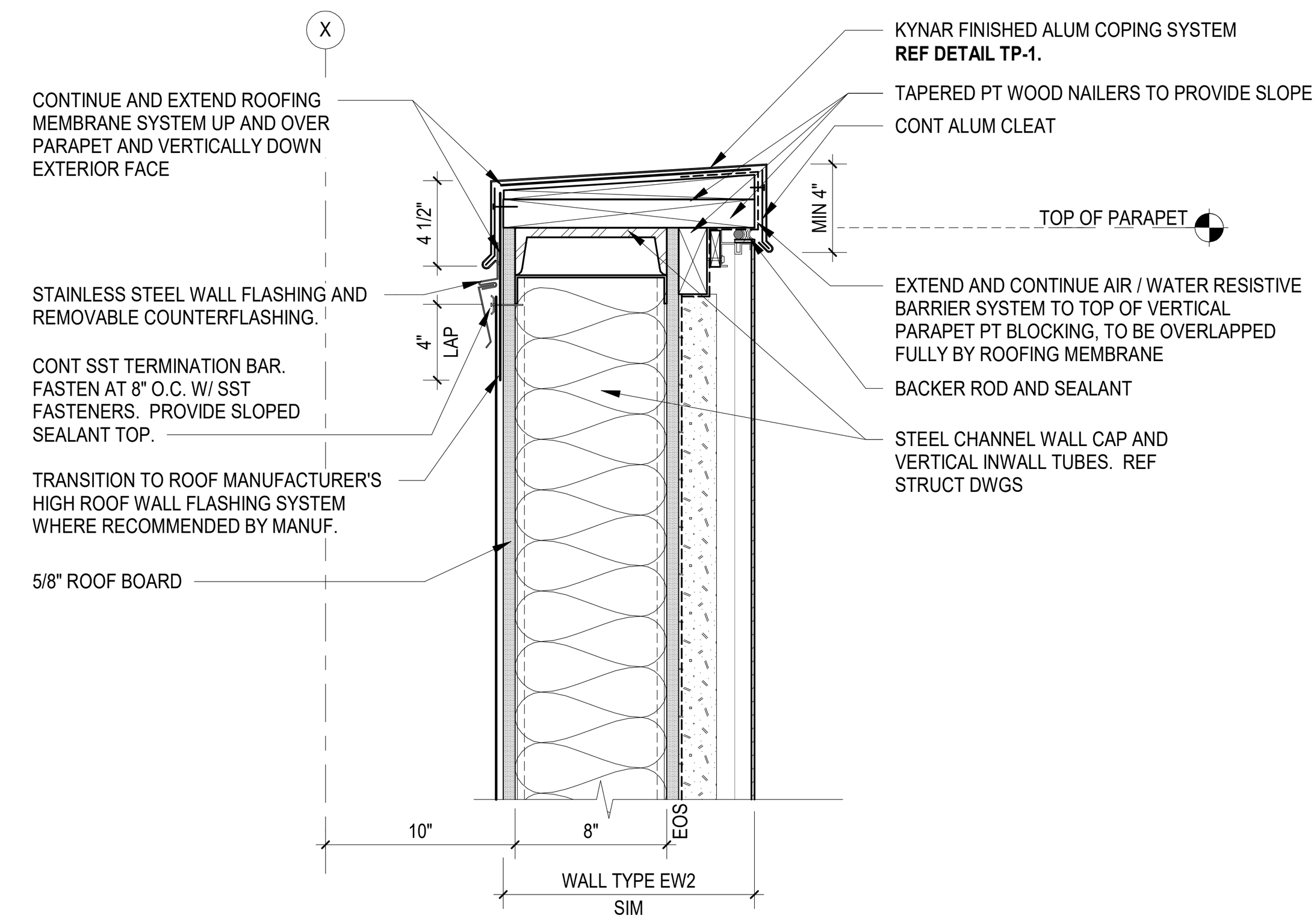
NOTE: REFER TO METAL STUD PARAPET DETAIL C2 FOR TYP NOTES AND DIMS



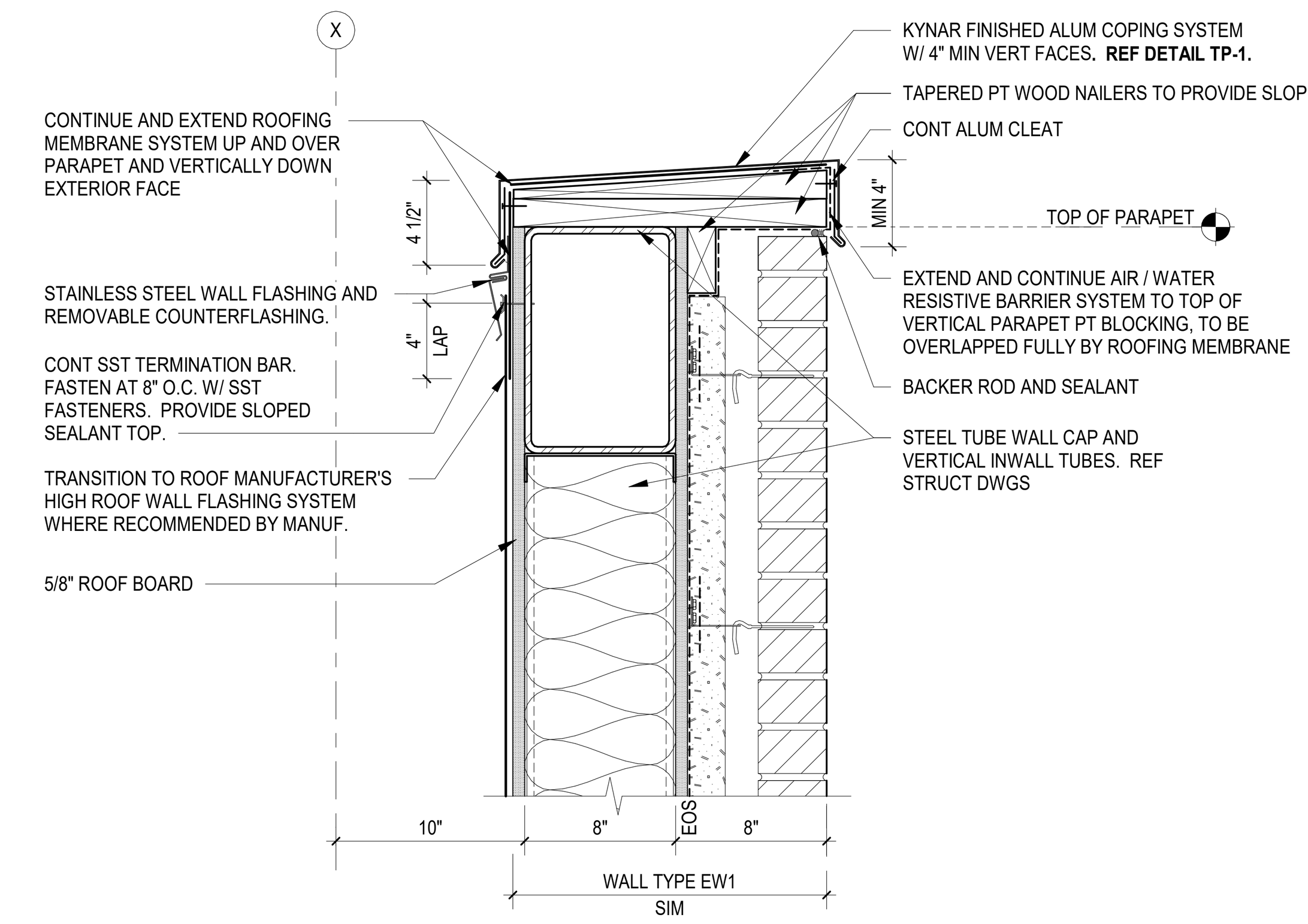
C4 / A002 EXT WALL TYPE EW2C - PARAPET DETAIL - CMU & MCM
1 1/2" = 1'-0"



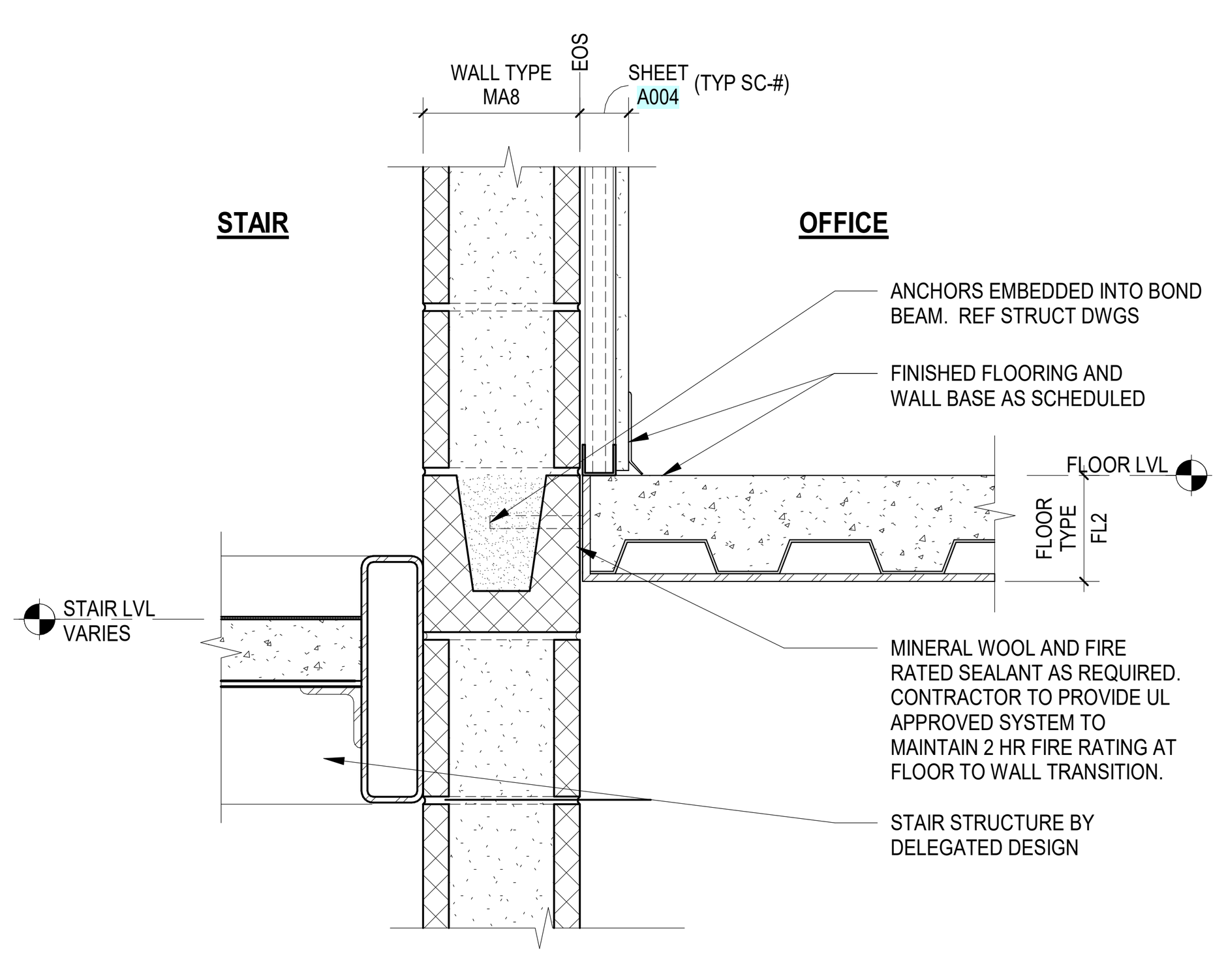
C3 / A002 EXT WALL TYPE EW3 - CONNECTION DETAILS
3" = 1'-0"



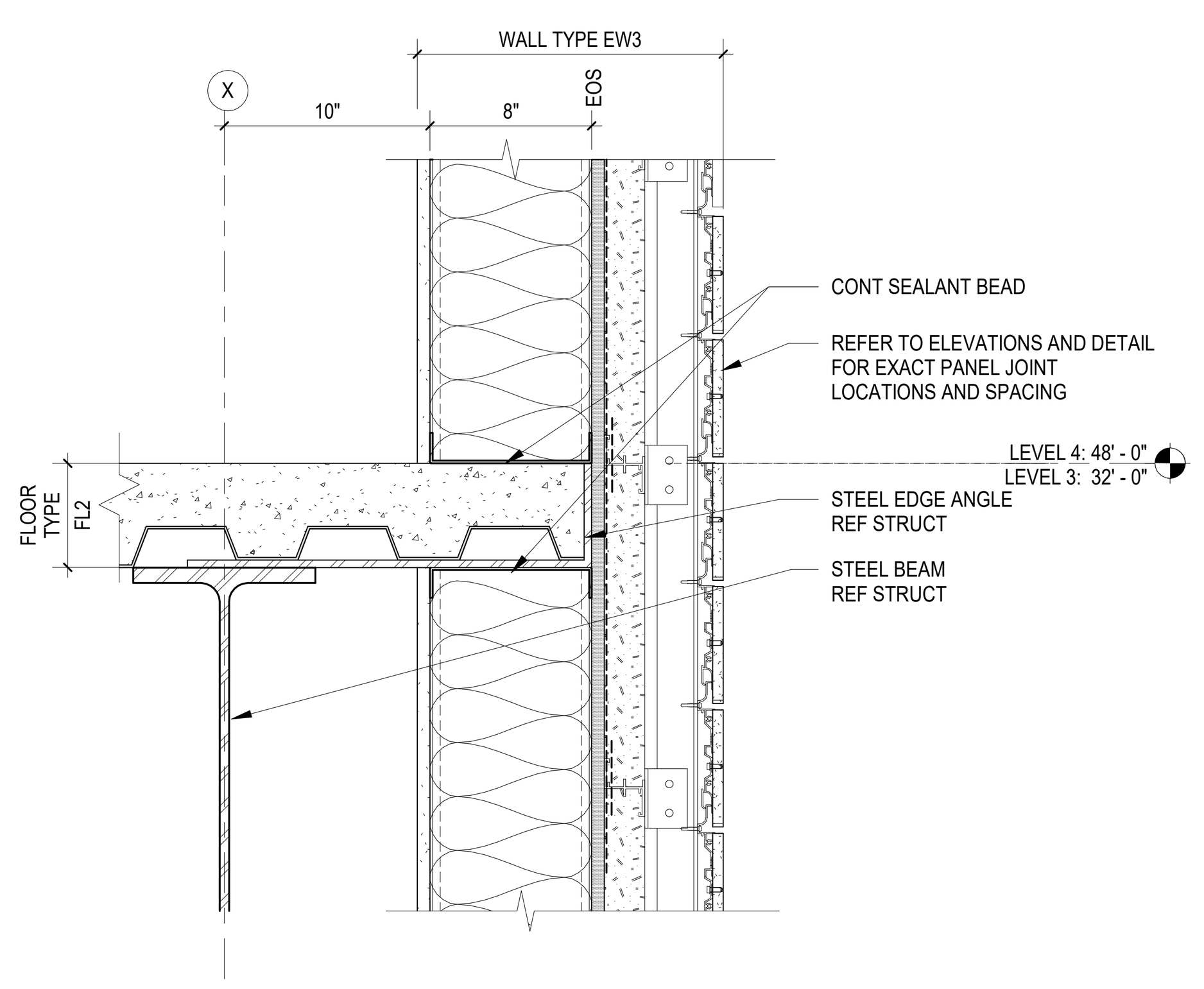
C2 / A002 EXT WALL TYPE EW2 / EW2A / EW2B - PARAPET DETAIL - MTL STUD & MCM
1 1/2" = 1'-0"



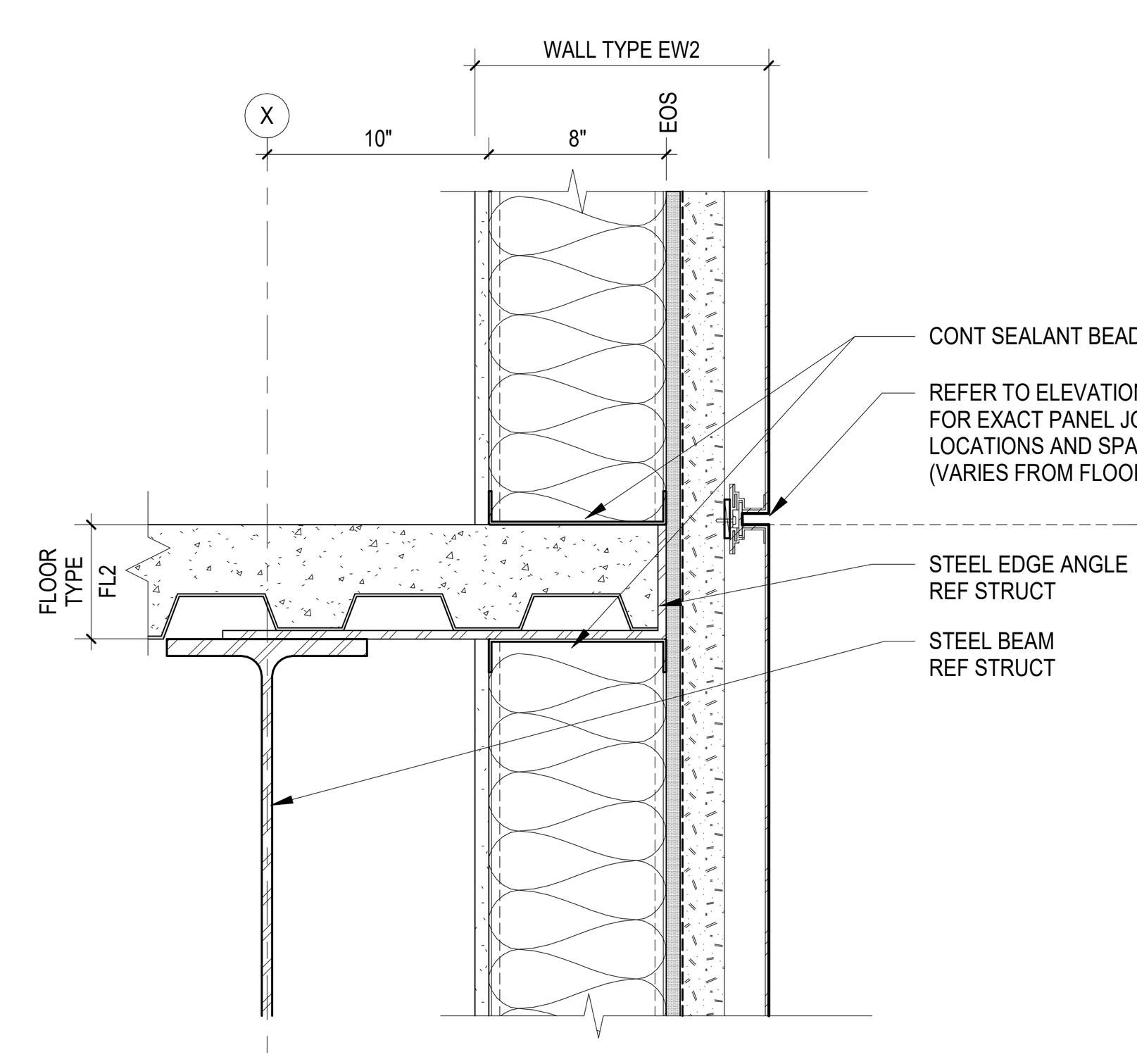
C1 / A002 EXT WALL TYPE EW1 / EW1A - PARAPET DETAIL - MTL STUD & BRICK
1 1/2" = 1'-0"



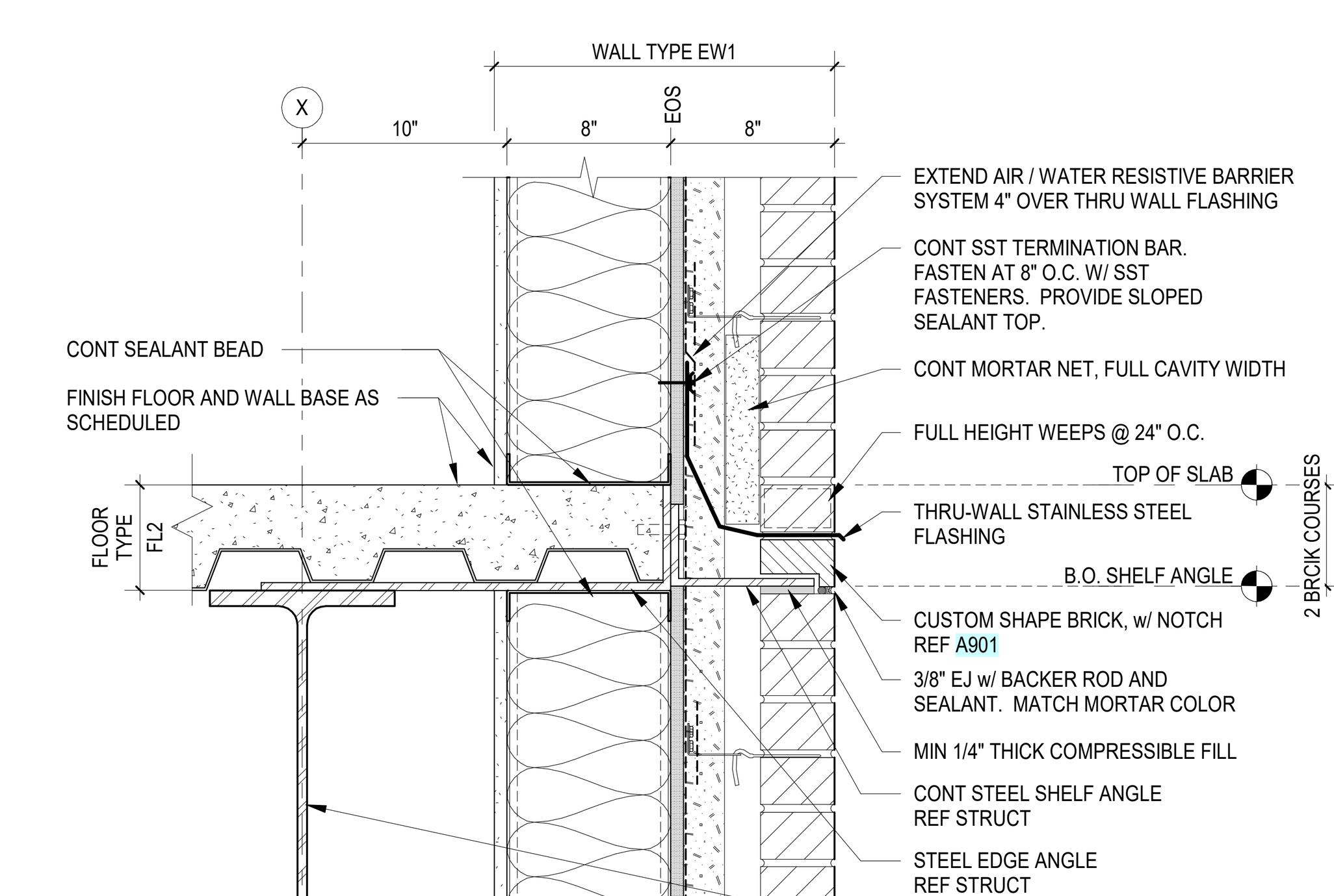
B4 / A002 WALL TYPE MA8 - EOS SLAB DETAIL - STAIR
1 1/2" = 1'-0"



B3 / A002 EXT WALL TYPE EW3 - EOS DETAIL - MTL STUD & CONC PANEL
1 1/2" = 1'-0"

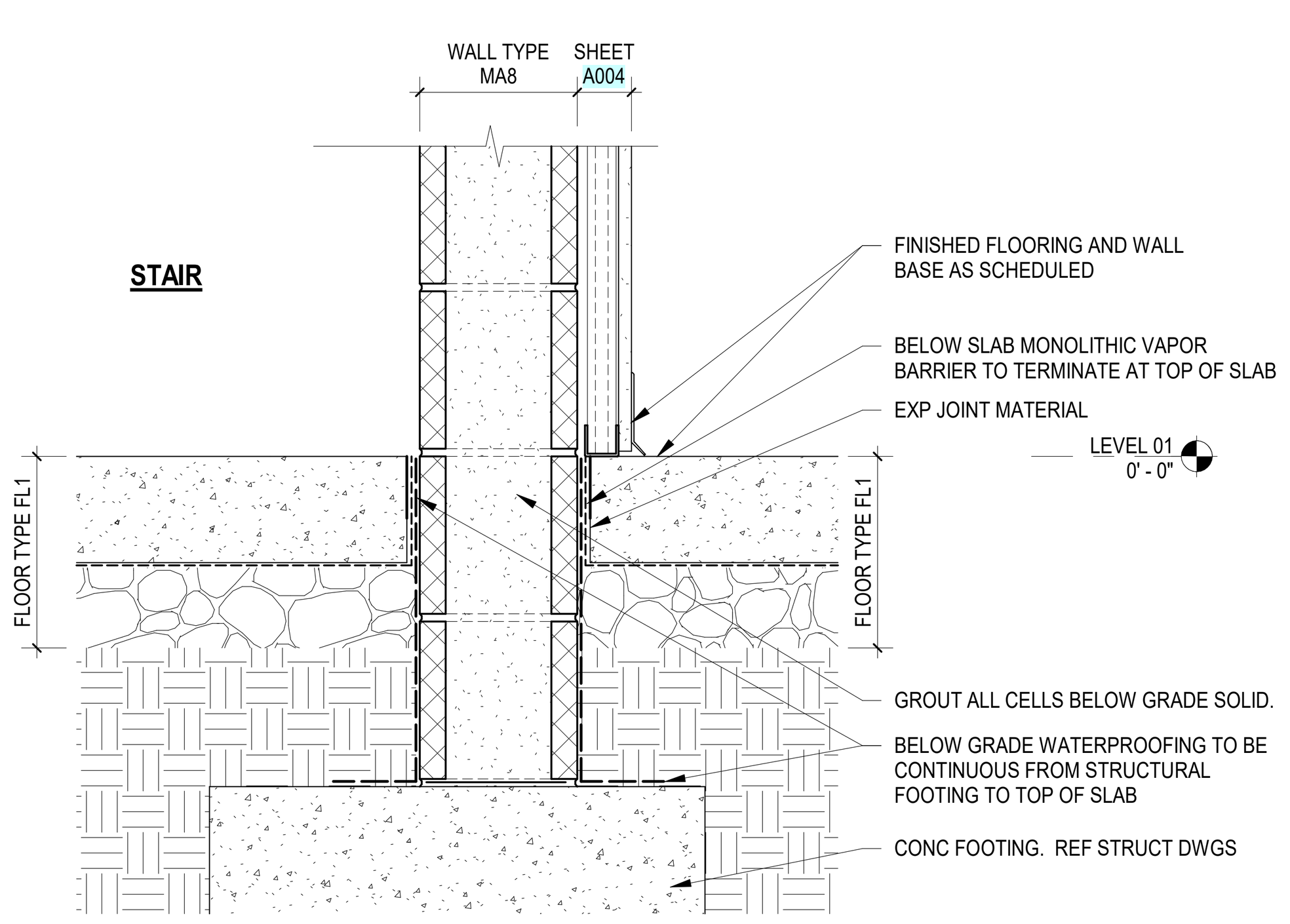


B2 / A002 WALL TYPE EW2 / EW2A / EW2B - EOS DETAIL - MTL STUD & MCM
1 1/2" = 1'-0"

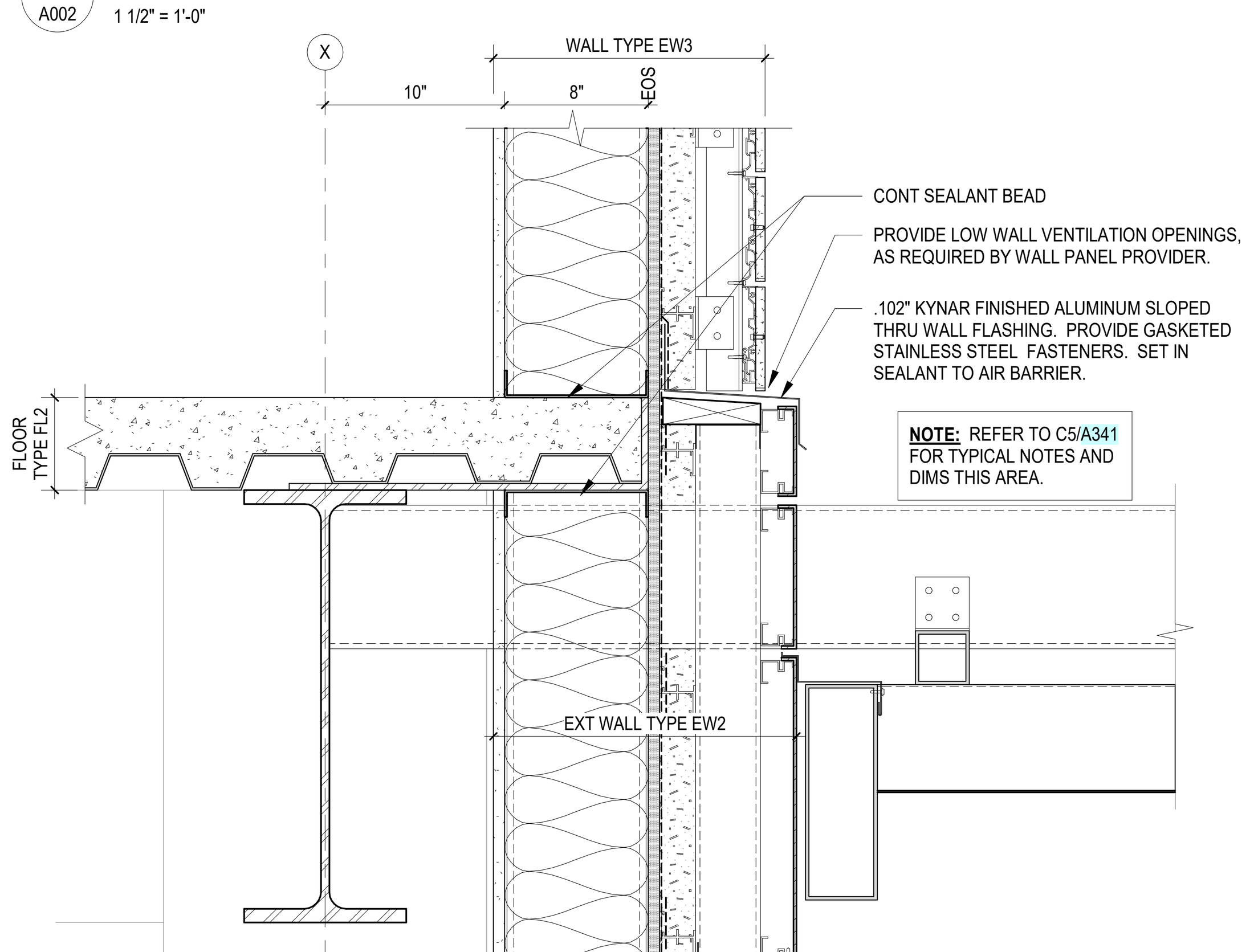


NOTE: SHELF ANGLE IS AT A DIFFERENT ELEVATION ON 4TH FLOOR EXTERIOR STAIRS. REF DETAIL A4/A814

B1 / A002 WALL TYPE EW1 / EW1A - EOS DETAIL - MTL STUD & BRICK
1 1/2" = 1'-0"

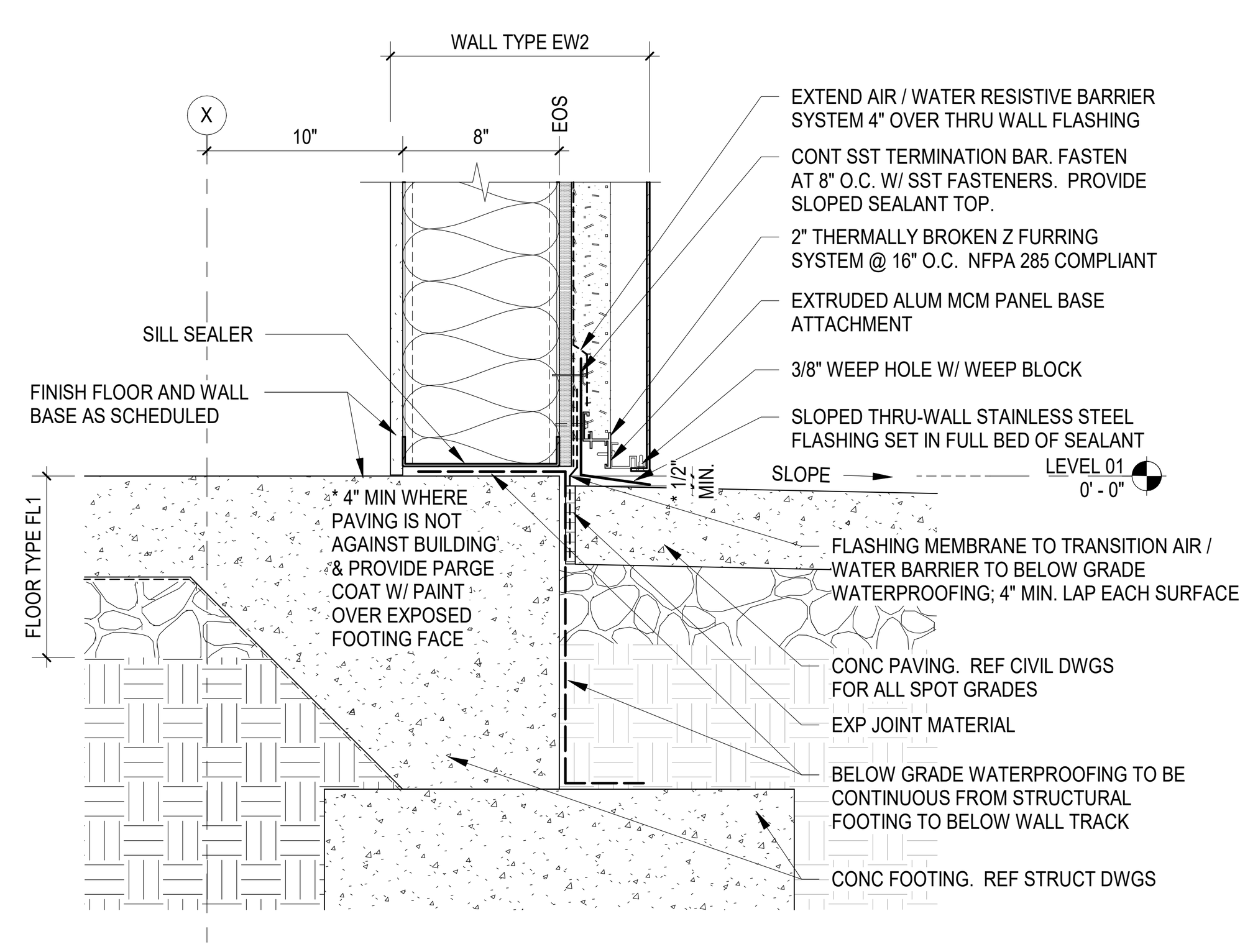


A4 / A002 WALL TYPE MA8 - BASE OF WALL DETAIL - CMU INTERIOR STR
1 1/2" = 1'-0"



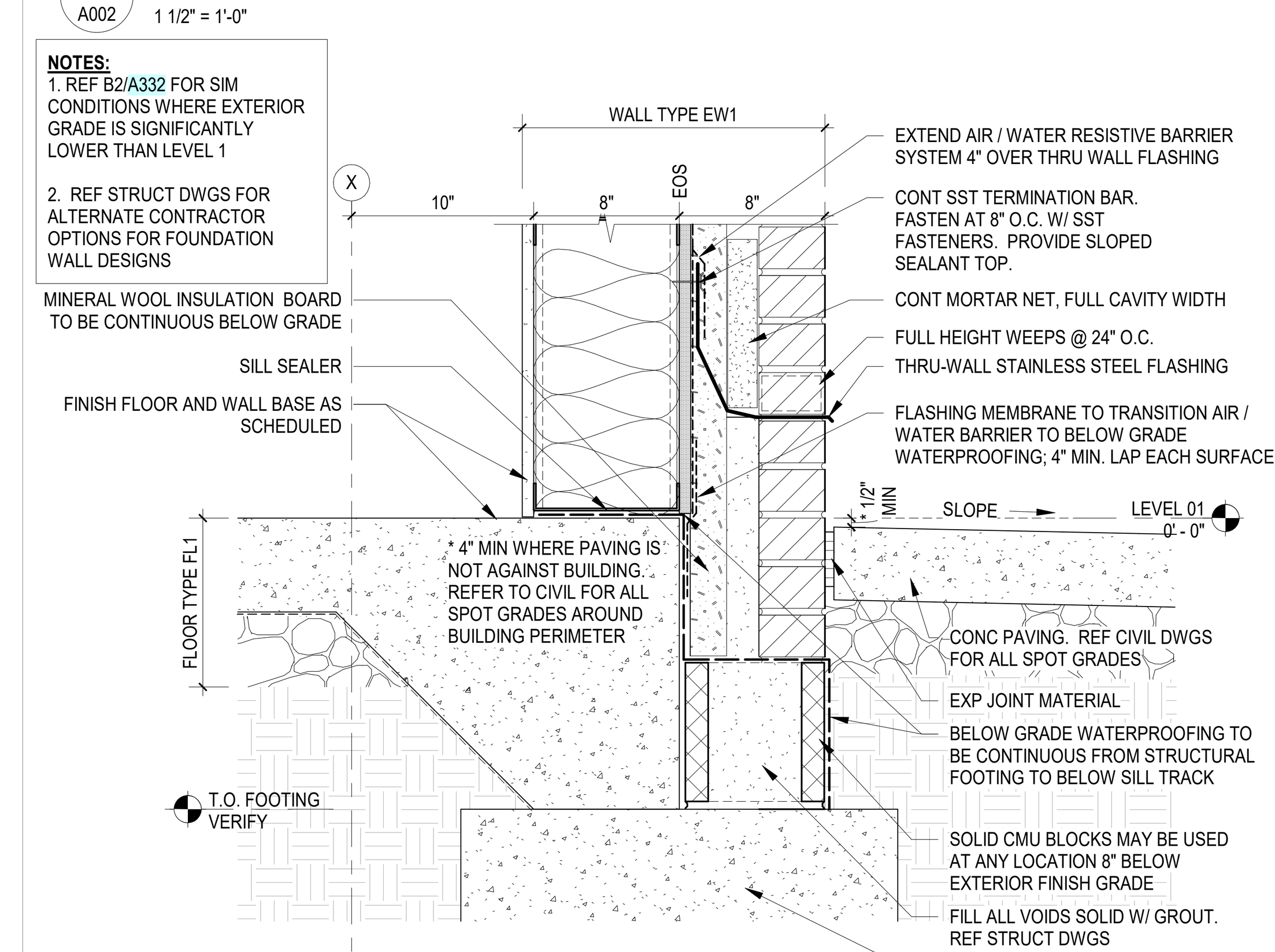
NOTE: REFER TO C5/A341 FOR TYPICAL NOTES AND DIMS THIS AREA.

A3 / A002 WALL TYPE EW3 - EOS DETAIL - MTL STUD & CONC PANEL AT LOW CANOPY
1 1/2" = 1'-0"



A2 / A002 WALL TYPE EW2 / EW2A / EW2B - BASE OF WALL DETAIL - MTL STUD & MCM
1 1/2" = 1'-0"

NOTES:
1. REF B2/A332 FOR SIM CONDITIONS WHERE EXTERIOR GRADE IS SIGNIFICANTLY LOWER THAN LEVEL 1
2. REF STRUCT DWGS FOR ALTERNATE CONTRACTOR OPTIONS FOR FOUNDATION WALL DESIGNS



A1 / A002 WALL TYPE EW1 / EW1A - BASE OF WALL DETAIL - MTL STUD & BRICK
1 1/2" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 54314 NORTH CAROLINA CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED ARCHITECT SEAL 17168 LISA MARIE CONNELL
02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE:	02/06/2026
PHASE:	PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE:	M. SHEWARD
PROJECT ARCHITECT:	L. HOWELL
DRAWN BY:	GC/DK

SHEET TITLE:
EXTERIOR ASSEMBLIES

SHEET NO. PROJ. NO. 024370.01

A002

CONTINUOUS INSULATION (CI) NOTES

1. ALTERNATIVES TO THE INDICATED MINERAL WOOL CI ARE TO BE SUBMITTED PRIOR TO BIDDING, PER SPECIFICATION SECTION 01 25 00 - SUBSTITUTION PROCEDURES. REQUESTS RECEIVED AFTER THE BIDDING PERIOD WILL NOT BE REVIEWED.

2. ADDITIONALLY, THE ALTERNATIVE PRODUCT SUBSTITUTION REQUEST NEEDS TO INCLUDE THE FOLLOWING:

   A. FULL NFPA TESTED WALL ASSEMBLIES (WITH PROPOSED PRODUCT) FOR EACH EXTERIOR WALL TYPE IN THE PROJECT SCOPE.

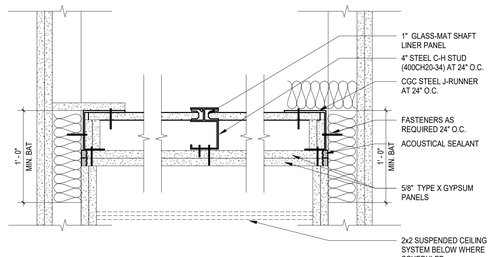
   B. PROJECT SPECIFIC DETAILS ON HOW THE SYSTEM WAS TESTED AT WINDOW OPENINGS. (SYSTEMS THAT REQUIRE METAL TRIM AROUND WINDOW OPENINGS WILL NOT BE APPROVED)

   C. CONFIRMATION THAT THE PRODUCT / SYSTEM DOES NOT CREATE A 2ND AIR BARRIER TO TRAP MOISTURE WITHIN THE WALL ASSEMBLY. (FOIL FACED PRODUCTS WILL NOT BE APPROVED)

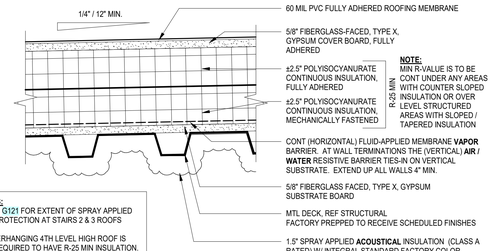
   D. CONFIRMATION THAT THE MIN. SPECIFIED R-VALUE CAN BE ACHIEVED WITHIN THE 2" CONT. INSULATION THICKNESS CURRENTLY INDICATED.

   E. LEAD TIMES FOR ALL MATERIALS / SYSTEMS

   F. LIST OF 3 SIMILAR PROJECTS IN NORTH CAROLINA WITH THE PROPOSED SYSTEM, COMPLETED WITHIN THE PAST 3 YEARS.



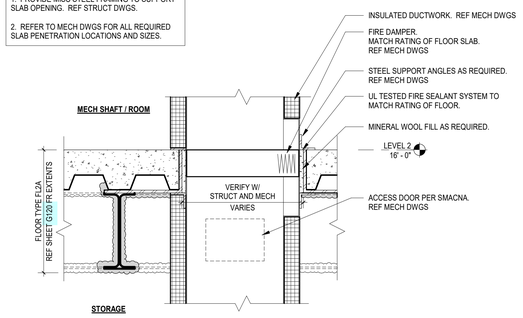
D2 / A003 — **2HR RATED EGRESS CORRIDOR AND STAIR SOFFIT**
1 1/2" = 1'-0"
2 HOUR RATED PER AER-09038



NOTES:
1. REF G121 FOR EXTENT OF SPRAY APPLIED FIRE PROTECTION AT STAIRS 2 & 3 ROOFS
2. OVERHANGING 4TH LEVEL HIGH ROOF IS NOT REQUIRED TO HAVE R-25 MIN INSULATION. (REF A340 FOR ADDITIONAL INFORMATION)

D1 / A003 — **R1 - TYP ROOFING SYSTEM**
3" = 1'-0"

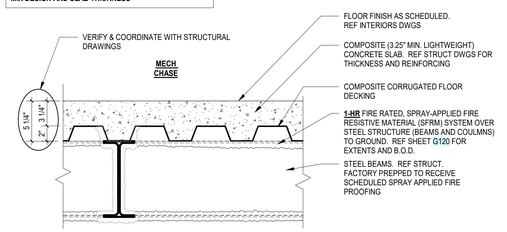
NOTES:
1. PROVIDE MISC STEEL FRAMING TO SUPPORT SLAB OPENING. REF STRUCT DWGS.
2. REFER TO MECH DWGS FOR ALL REQUIRED SLAB PENETRATION LOCATIONS AND SIZES.



C2 / A003 — **FLOOR PENETRATION DETAIL - (2-HR FIRE RATED)**
1 1/2" = 1'-0"

NOTE:
PER (NC 2018) 2015 IBC TABLE 722.2.2.1 (MIN. EQUIVALENT THICKNESS), SLAB IS 1-HOUR FIRE RATED

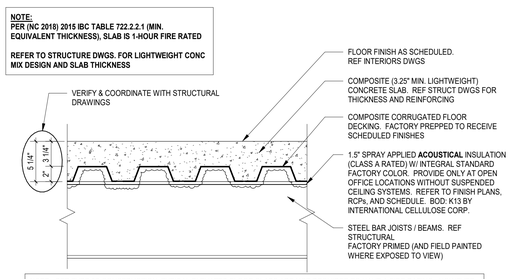
REFER TO STRUCTURE DWGS. FOR LIGHTWEIGHT CONC MIX DESIGN AND SLAB THICKNESS



C1 / A003 — **FL2A - ELEVATED 2nd FLOOR SLAB AT MECH CHASE (1-HR FIRE RATED)**
1 1/2" = 1'-0"

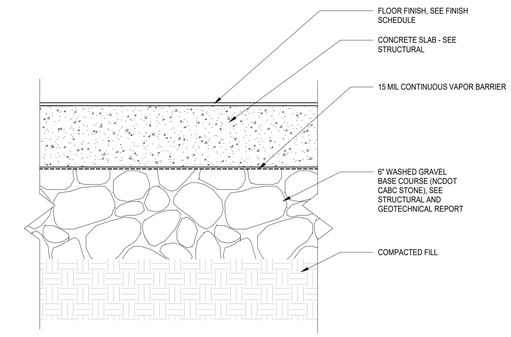
NOTE:
PER (NC 2018) 2015 IBC TABLE 722.2.2.1 (MIN. EQUIVALENT THICKNESS), SLAB IS 1-HOUR FIRE RATED

REFER TO STRUCTURE DWGS. FOR LIGHTWEIGHT CONC MIX DESIGN AND SLAB THICKNESS



NOTE: PER TYPE 2B CONSTRUCTION, TYPICAL ELEVATED FLOOR SLABS ARE NOT REQUIRED TO HAVE A FIRE RATING. HOWEVER, THE SPECIFIED CONSTRUCTION INHERENTLY OBTAINS A 1-HR FIRE RATING AND IS ABOVE CODE MINIMUM. FIRE RATED FLOOR CONSTRUCTION IS ONLY REQUIRED AT THE MECHANICAL SHAFTS (REF FL2A)

B1 / A003 — **FL2 - TYPICAL ELEVATED FLOOR SLAB - 1 HR RATED**
1 1/2" = 1'-0"



A1 / A003 — **FL1 - CONC FLOOR AT GRADE**
3" = 1'-0"

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, PC — CERT. NO. 54314 — REGISTERED ARCHITECTURAL CORPORATION — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED — SEAL 27165 — ANN MARIE CONNELLY — 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
HORIZONTAL ASSEMBLIES

SHEET NO. A003
PROJ. NO. 024370.01

4/2/2026 11:58:28 AM Autodesk Docs://024370.00_Brunswick County Health & Human Services/ARCH_Brunswick County Health and Human Servic_R23.rvt

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2026 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

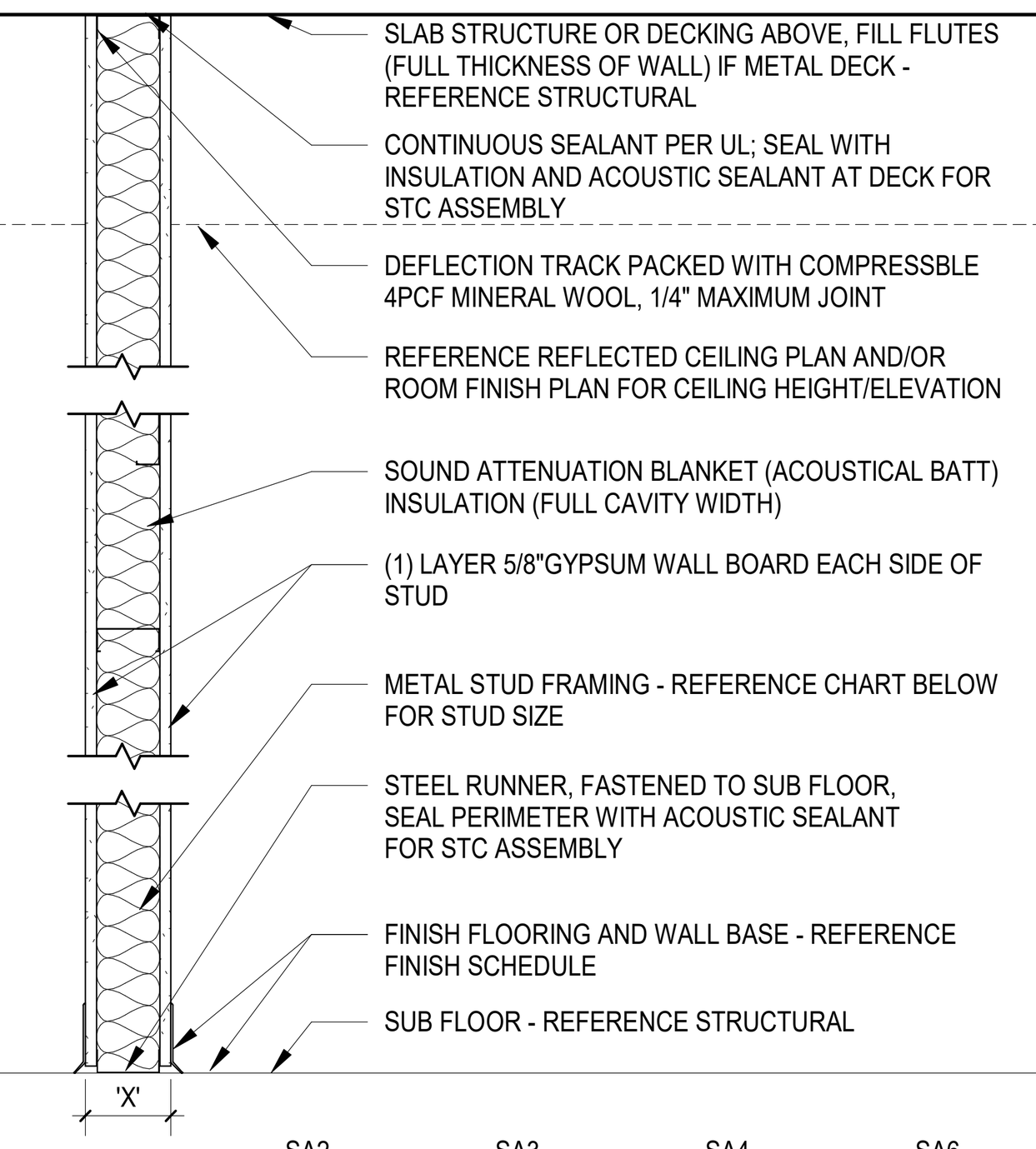
SA

STRUCTURE ABOVE

CEILING LINE

PLAN

FLOOR LINE



	SA2	SA3	SA4	SA6
STUD SIZE	2 1/2"	3 5/8"	4	6
ACTUAL DIMENSION 'X'	3 3/4"	4 7/8"	5 1/4"	7 1/4"
FIRE RESISTANCE AND DESIGN NUMBER (SEE LIFE SAFETY FOR RATED ASSEMBLY LOCATIONS)	- -	1 HOUR UL U465	1 HOUR UL U465	1 HOUR UL U465
ACOUSTICAL RATING	- -	STC 40 NGC 2016074	- -	STC-44 NGC 2018133

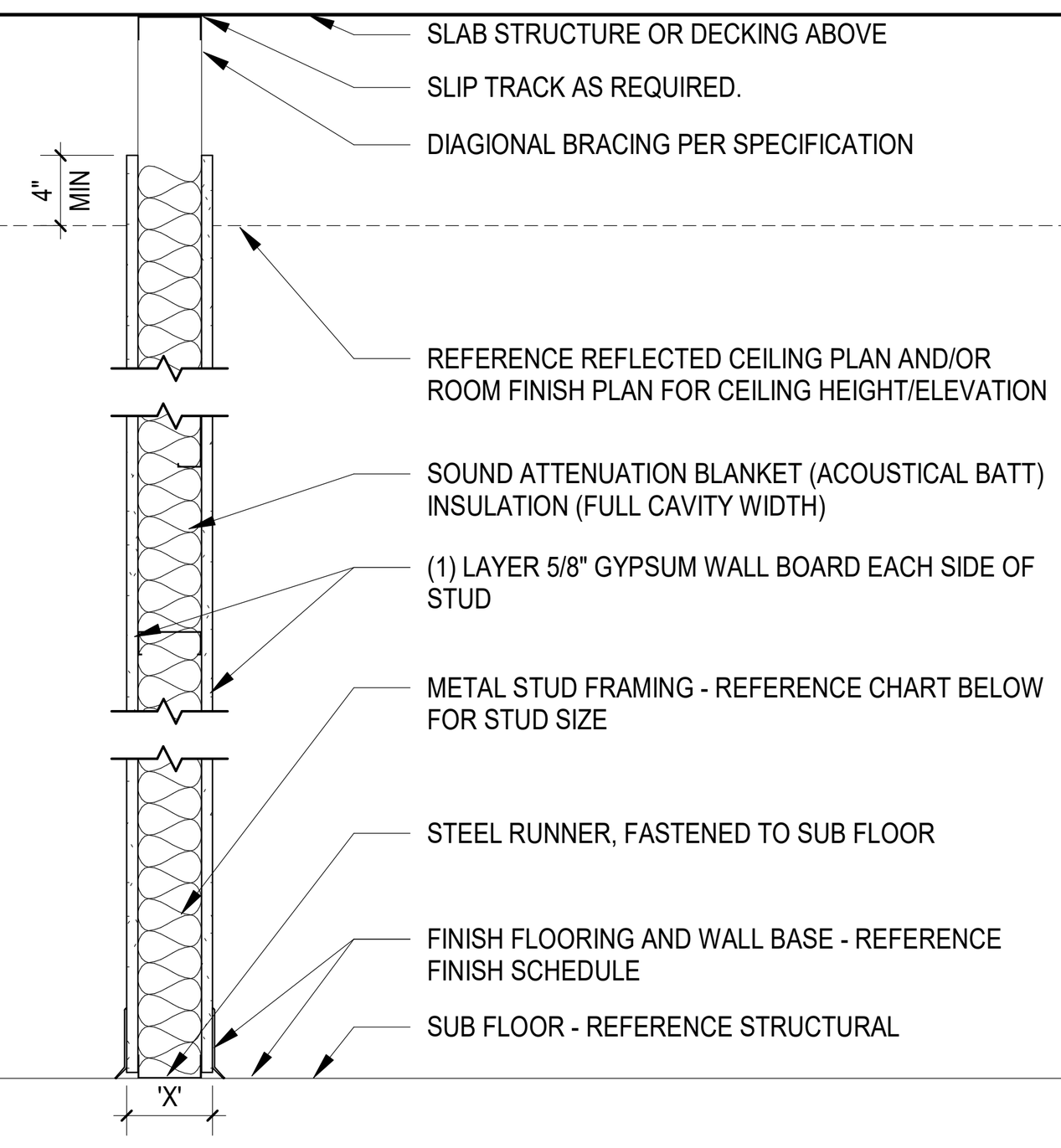
SB

STRUCTURE ABOVE

CEILING LINE

PLAN

FLOOR LINE



	SB2	SB3	SB4	SB6
STUD SIZE	2 1/2"	3 5/8"	4"	6
ACTUAL DIMENSION 'X'	3 3/4"	4 7/8"	5 1/4"	7 1/4"
FIRE RESISTANCE AND DESIGN NUMBER (SEE LIFE SAFETY FOR RATED ASSEMBLY LOCATIONS)	- -	- -	- -	- -
ACOUSTICAL RATING	- -	- -	- -	- -

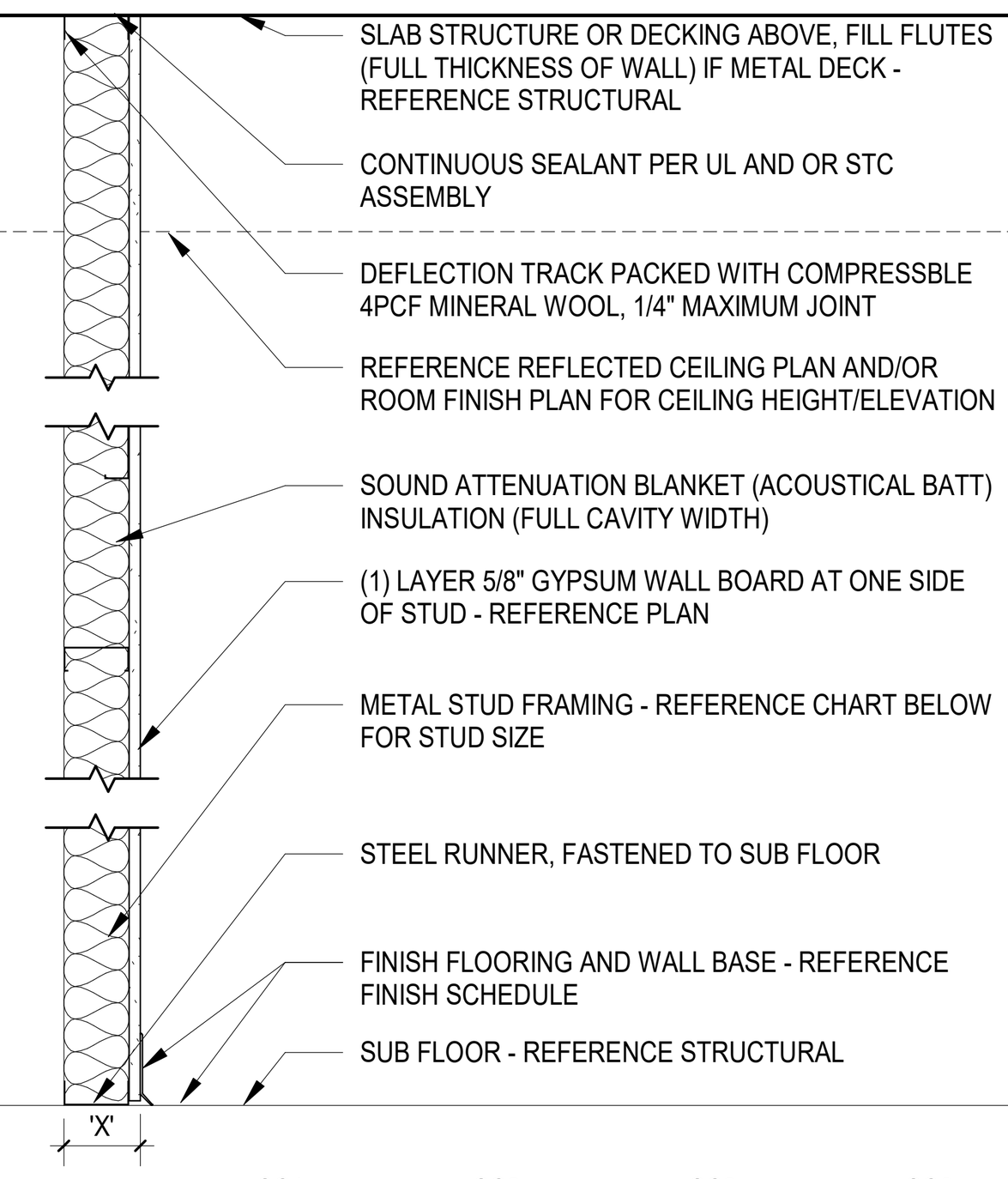
SC

STRUCTURE ABOVE

CEILING LINE

PLAN

FLOOR LINE



	SC1	SC2	SC3	SC6
STUD SIZE	1 5/8"	2 1/2"	3 5/8"	6
ACTUAL DIMENSION 'X'	2 1/4"	3 1/8"	4 1/4"	6 5/8"
FIRE RESISTANCE AND DESIGN NUMBER (SEE LIFE SAFETY FOR RATED ASSEMBLY LOCATIONS)	- -	- -	- -	- -
ACOUSTICAL RATING	- -	- -	STC-34 NGC 2013012	STC-37 NGC 2013021

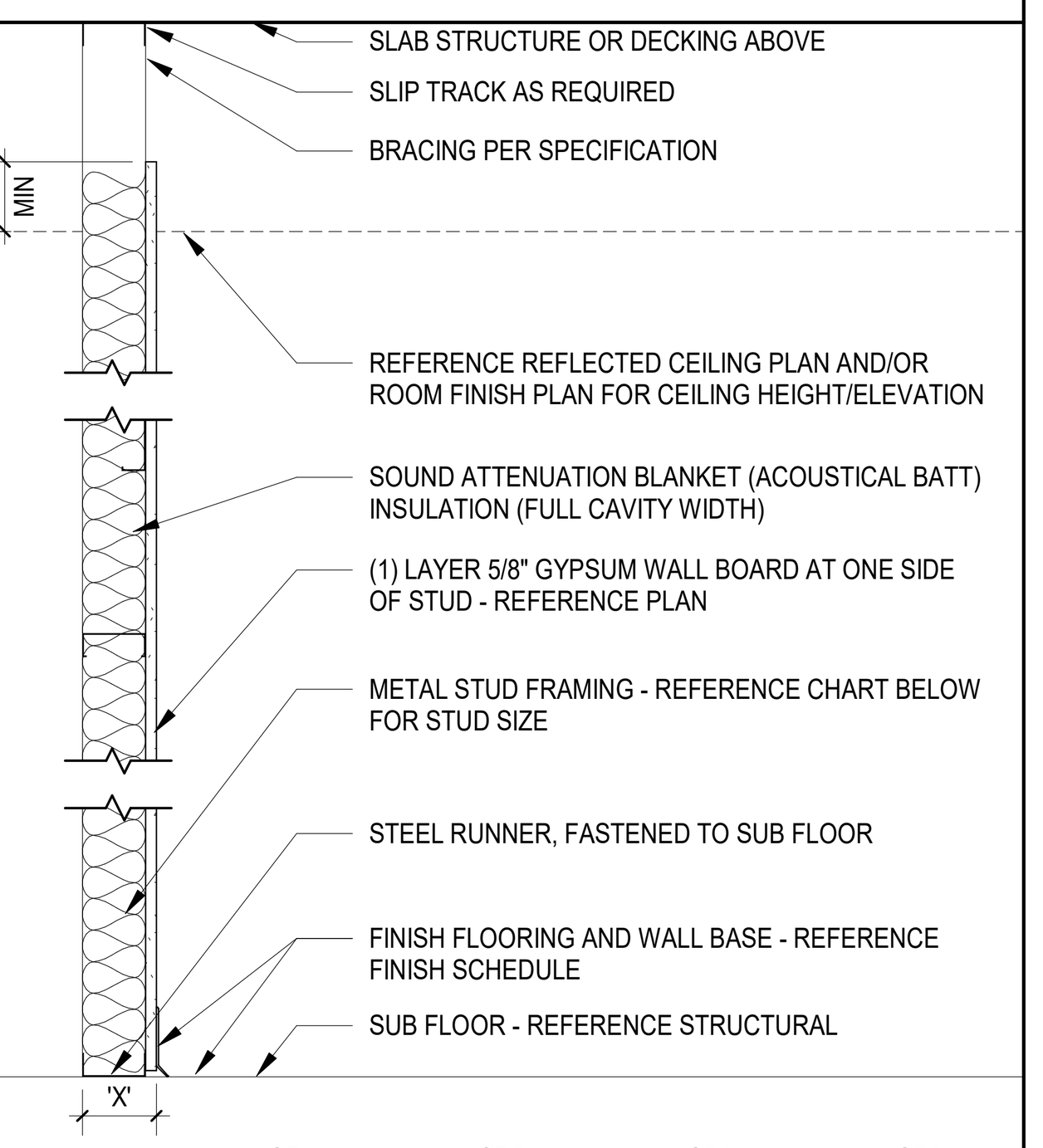
SD

STRUCTURE ABOVE

CEILING LINE

PLAN

FLOOR LINE



	SD1	SD2	SD3	SD6
STUD SIZE	1 5/8"	2 1/2"	3 5/8"	6
ACTUAL DIMENSION 'X'	2 1/4"	3 1/8"	4 1/4"	6 5/8"
FIRE RESISTANCE AND DESIGN NUMBER (SEE LIFE SAFETY FOR RATED ASSEMBLY LOCATIONS)	- -	- -	- -	- -
ACOUSTICAL RATING	- -	- -	- -	- -

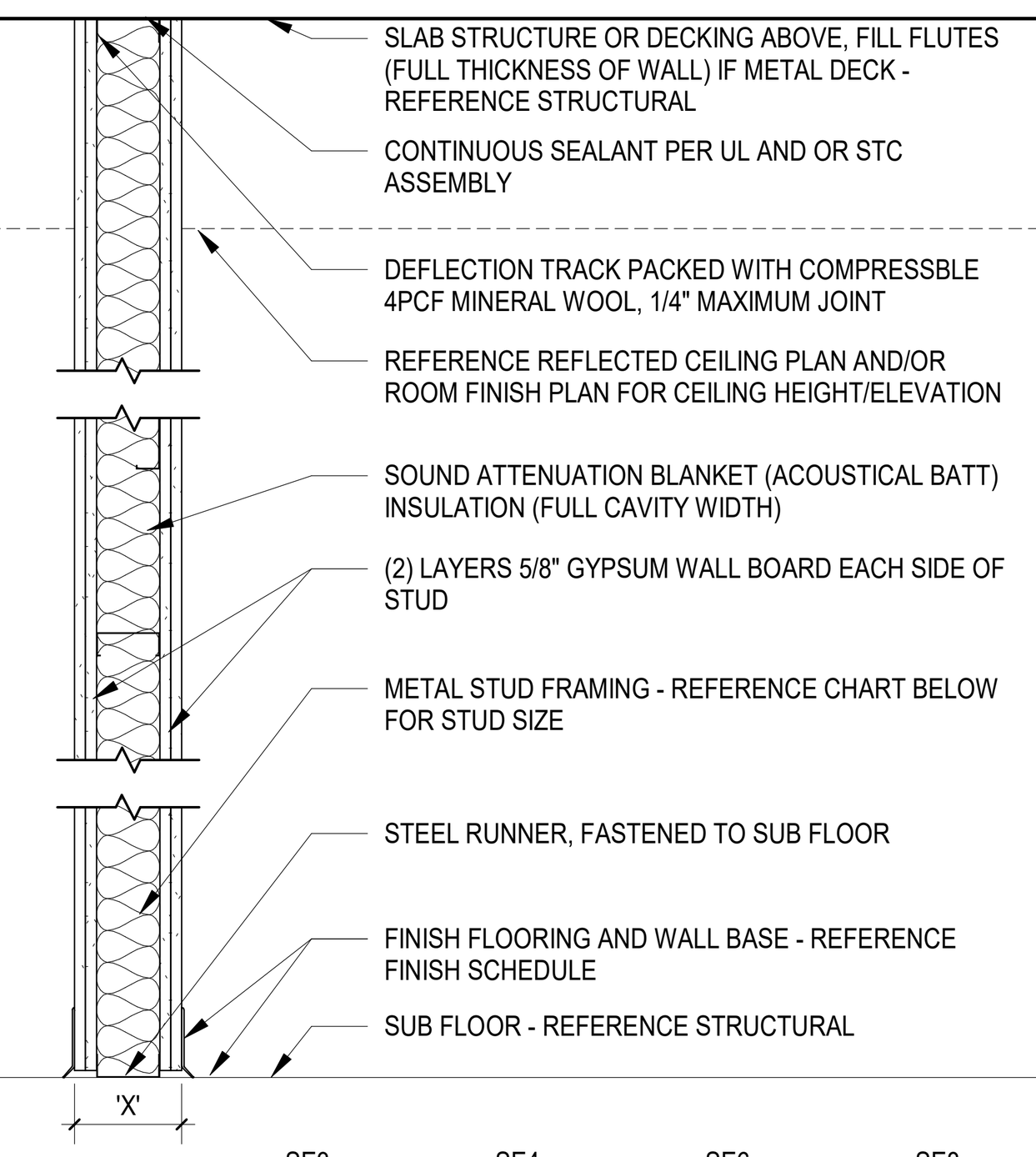
SE

STRUCTURE ABOVE

CEILING LINE

PLAN

FLOOR LINE



	SE3	SE4	SE6	SE8
STUD SIZE	3 5/8"	4"	6	8
ACTUAL DIMENSION 'X'	6 1/8"	6 1/2"	8 1/2"	10 1/2"
FIRE RESISTANCE AND DESIGN NUMBER (SEE LIFE SAFETY FOR RATED ASSEMBLY LOCATIONS)	2 HOUR UL U411	- -	2 HOUR UL U411	2 HOUR UL U411
ACOUSTICAL RATING	STC-49 NGC 2016082	- -	STC-52 NGC 2017174	STC-52 NGC 2017174

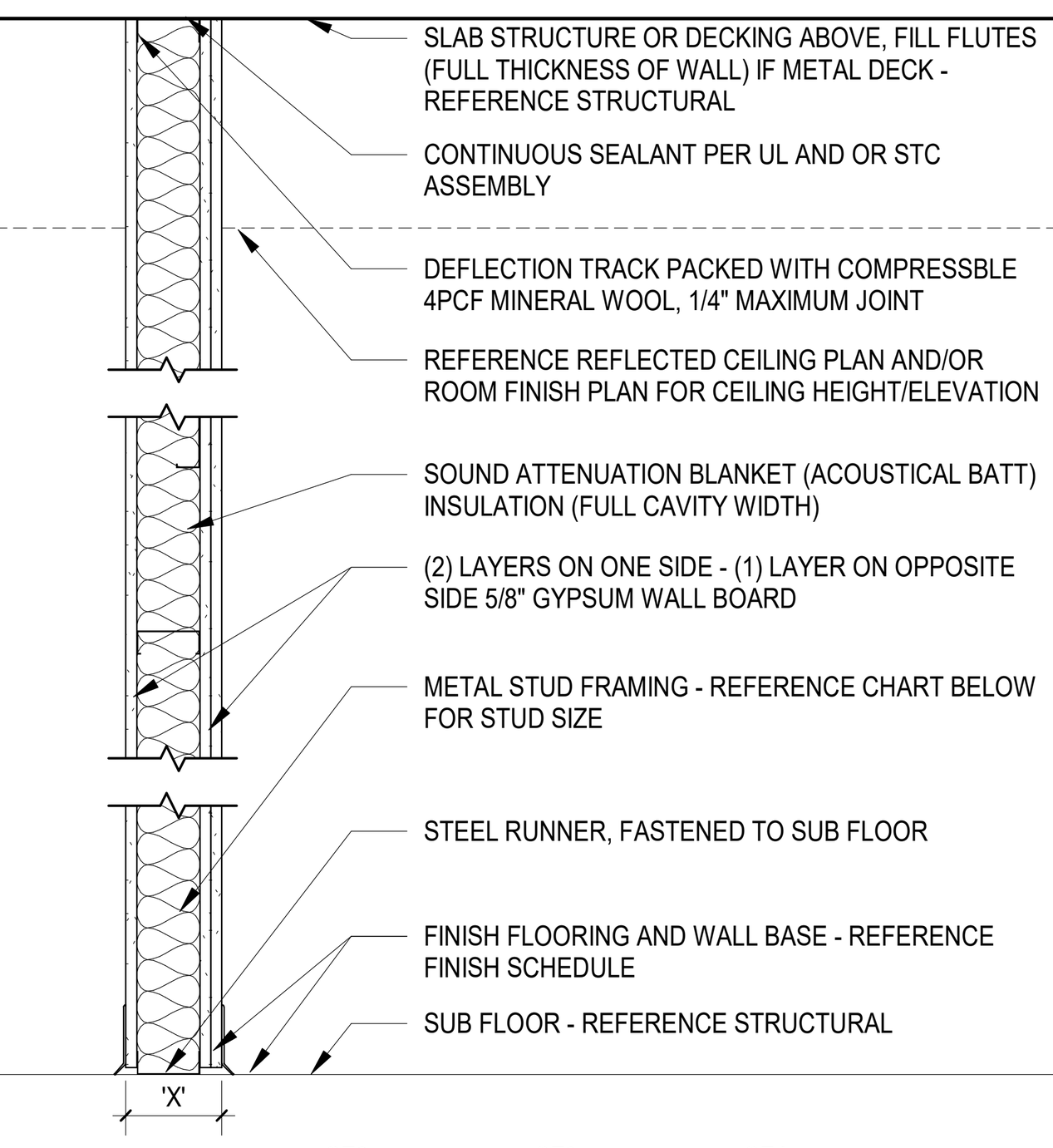
SF

STRUCTURE ABOVE

CEILING LINE

PLAN

FLOOR LINE



	SF2	SF3	SF4	SF6
STUD SIZE	2 1/2"	3 5/8"	4"	6
ACTUAL DIMENSION 'X'	4 3/8"	5 1/2"	5 7/8"	7 7/8"
FIRE RESISTANCE AND DESIGN NUMBER (SEE LIFE SAFETY FOR RATED ASSEMBLY LOCATIONS)	- -	1 HOUR UL U465	- -	1 HOUR UL U465
ACOUSTICAL RATING	- -	STC 52 NGC 2018108	- -	STC 52 NGC 2018108

SG

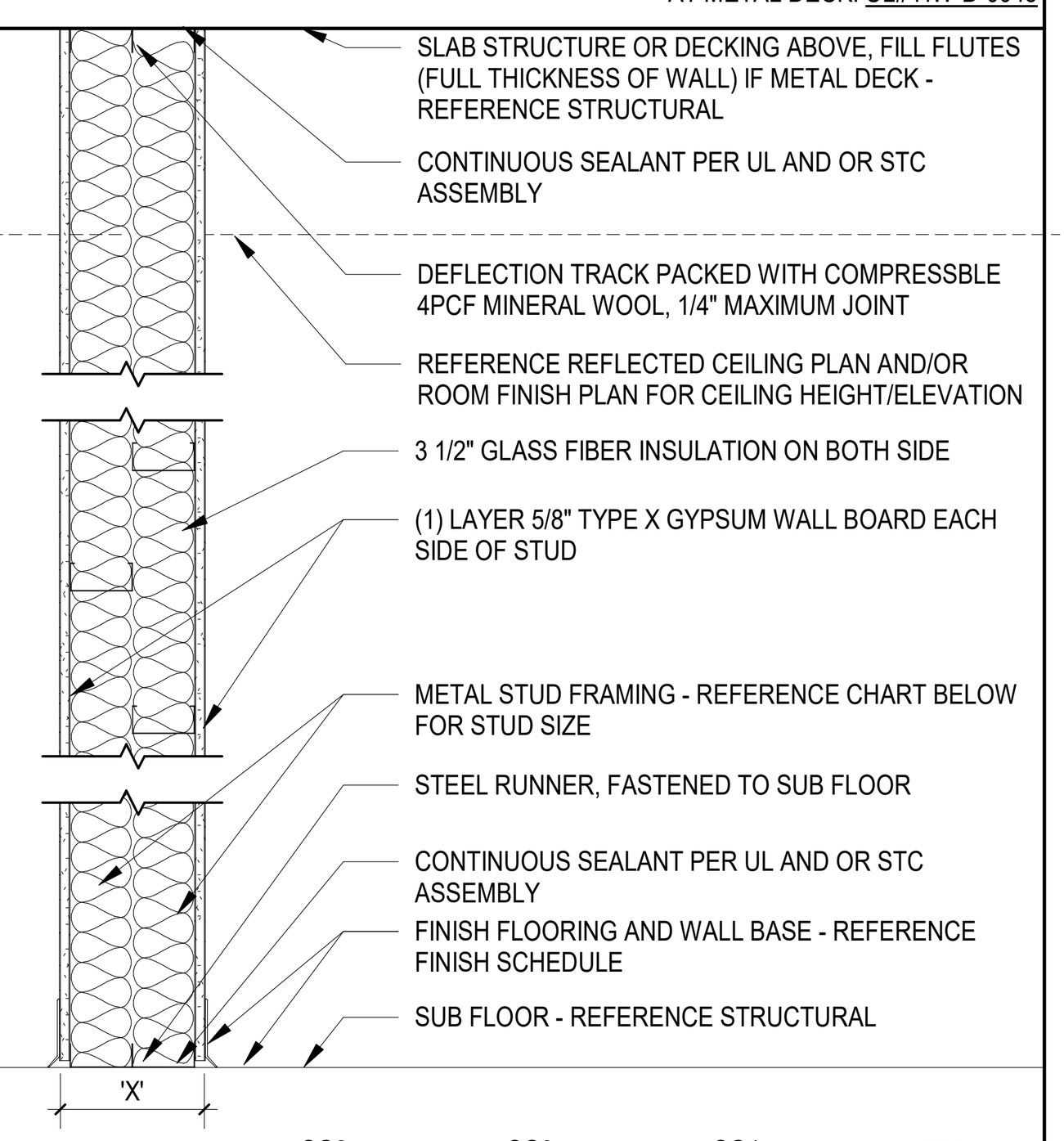
SEAL TOP OF FIRE RATED WALLS AS FOLLOWS: AT METAL DECK: UL# HW-D-0045

STRUCTURE ABOVE

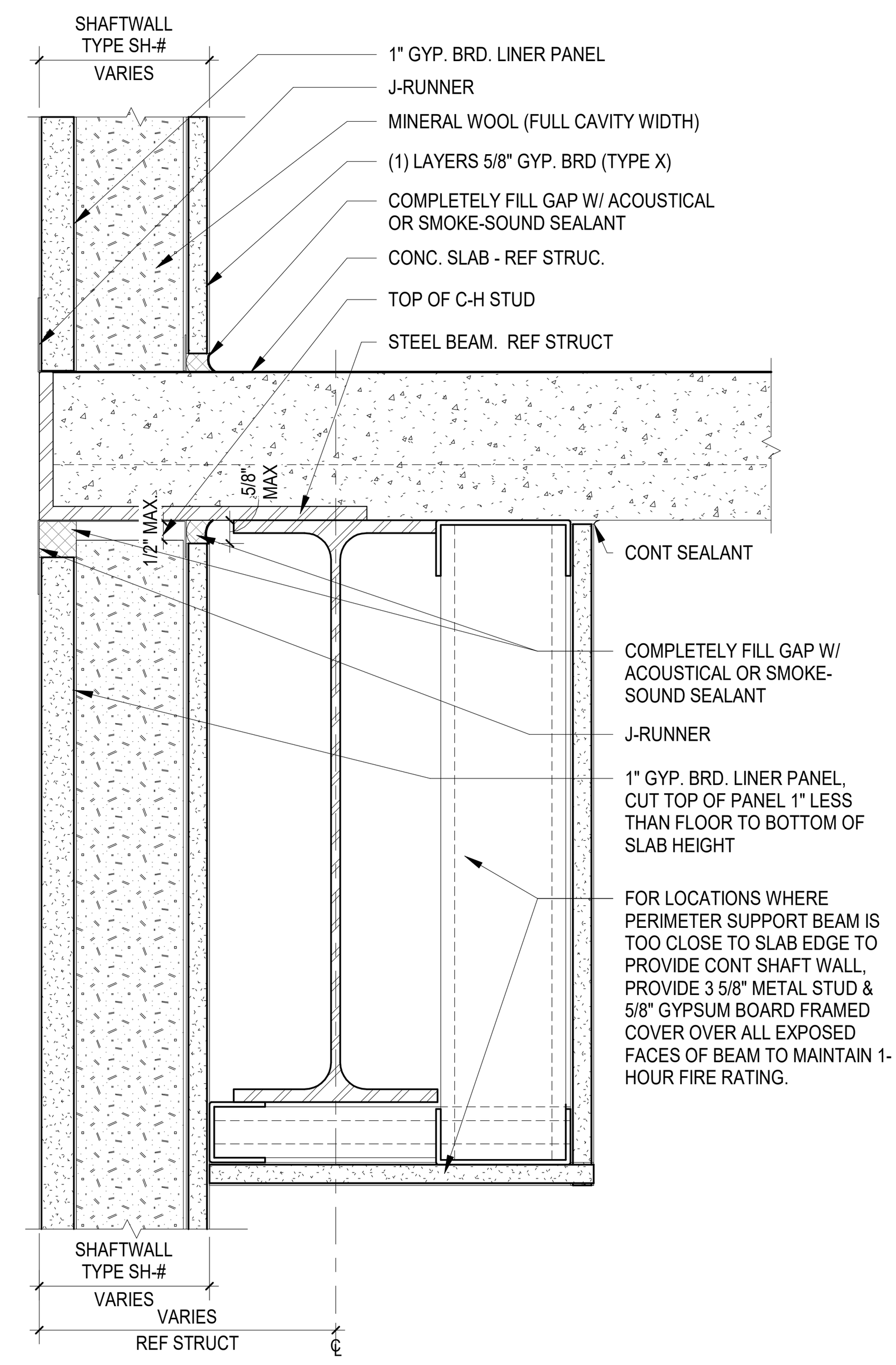
CEILING LINE

PLAN

FLOOR LINE



	SG2	SG3	SG4	SG6
STUD SIZE	2 1/2"	3 5/8"	4"	6
ACTUAL DIMENSION 'X'	4 1/4"	8 1/2"	9 1/4"	13 1/4"
FIRE RESISTANCE AND DESIGN NUMBER (SEE LIFE SAFETY FOR RATED ASSEMBLY LOCATIONS)	- -	- -	- -	- -
ACOUSTICAL RATING	- -	STC 60 NGC 2018083	- -	- -



SHAFTWALL (1HR) @ FLOOR SLAB DETAIL

SH

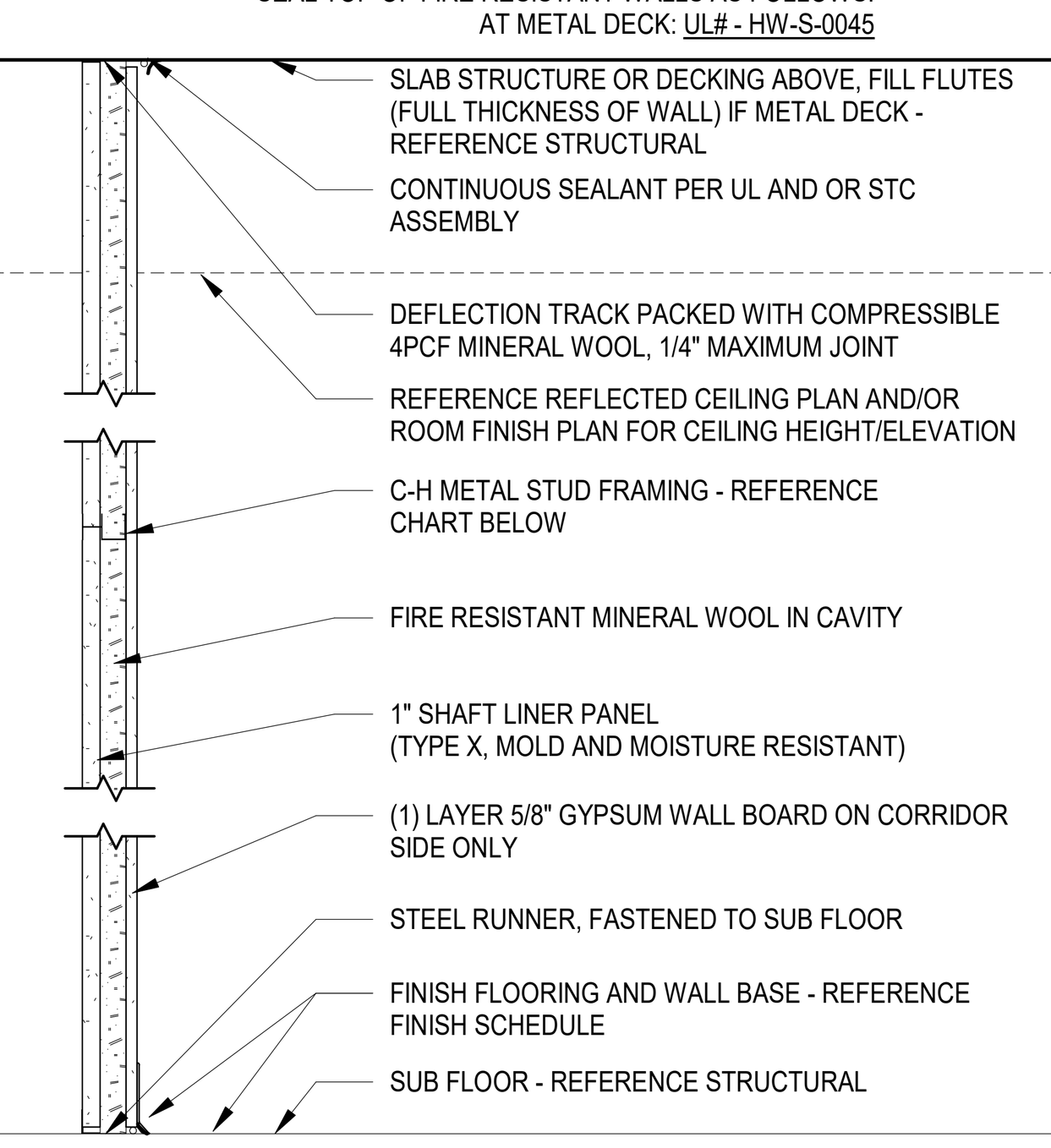
SEAL TOP OF FIRE RESISTANT WALLS AS FOLLOWS: AT METAL DECK: UL# - HW-S-0045

STRUCTURE ABOVE

CEILING LINE

PLAN

FLOOR LINE



	SH2	SH4	SH6	-
STUD SIZE	2 1/2"	4"	6"	-
ACTUAL DIMENSION 'X'	3 1/8"	4 5/8"	6 5/8"	-
FIRE RESISTANCE AND DESIGN NUMBER (SEE LIFE SAFETY FOR RATED ASSEMBLY LOCATIONS)	1 HOUR UL U469	1 HOUR UL U415	1 HOUR UL U415	- -
ACOUSTICAL RATING	- -	STC 39 USG-040901	STC 39 USG-040901	- -

SI

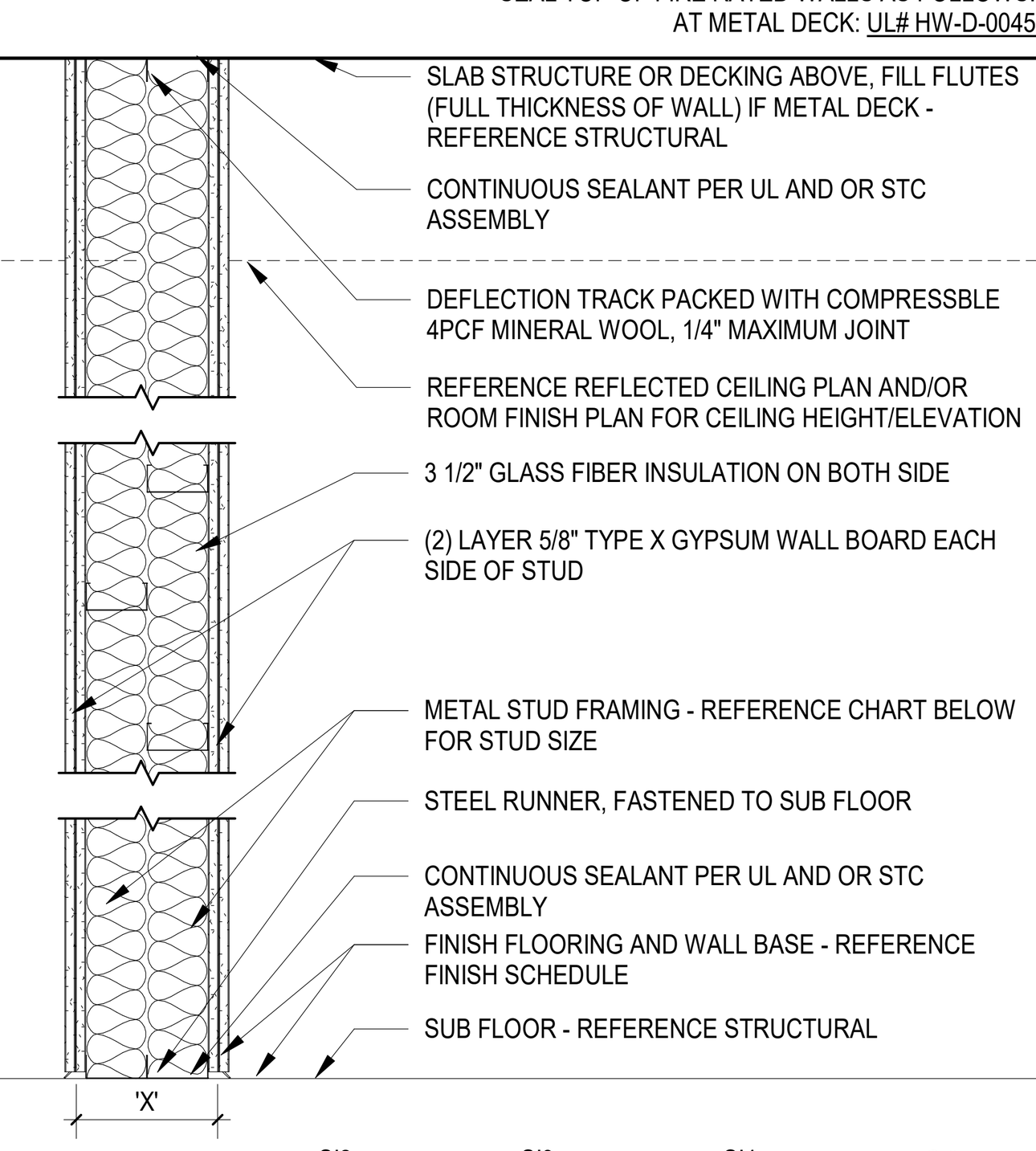
SEAL TOP OF FIRE RATED WALLS AS FOLLOWS: AT METAL DECK: UL# HW-D-0045

STRUCTURE ABOVE

CEILING LINE

PLAN

FLOOR LINE



	SI2	SI3	SI4	SI6
STUD SIZE	2 1/2"	3 5/8"	4"	6
ACTUAL DIMENSION 'X'	5 1/2"	9 3/4"	10 1/2"	13 1/4"
FIRE RESISTANCE AND DESIGN NUMBER (SEE LIFE SAFETY FOR RATED ASSEMBLY LOCATIONS)	- -	- -	- -	- -
ACOUSTICAL RATING	- -	STC 64 NGC 2015104	- -	- -

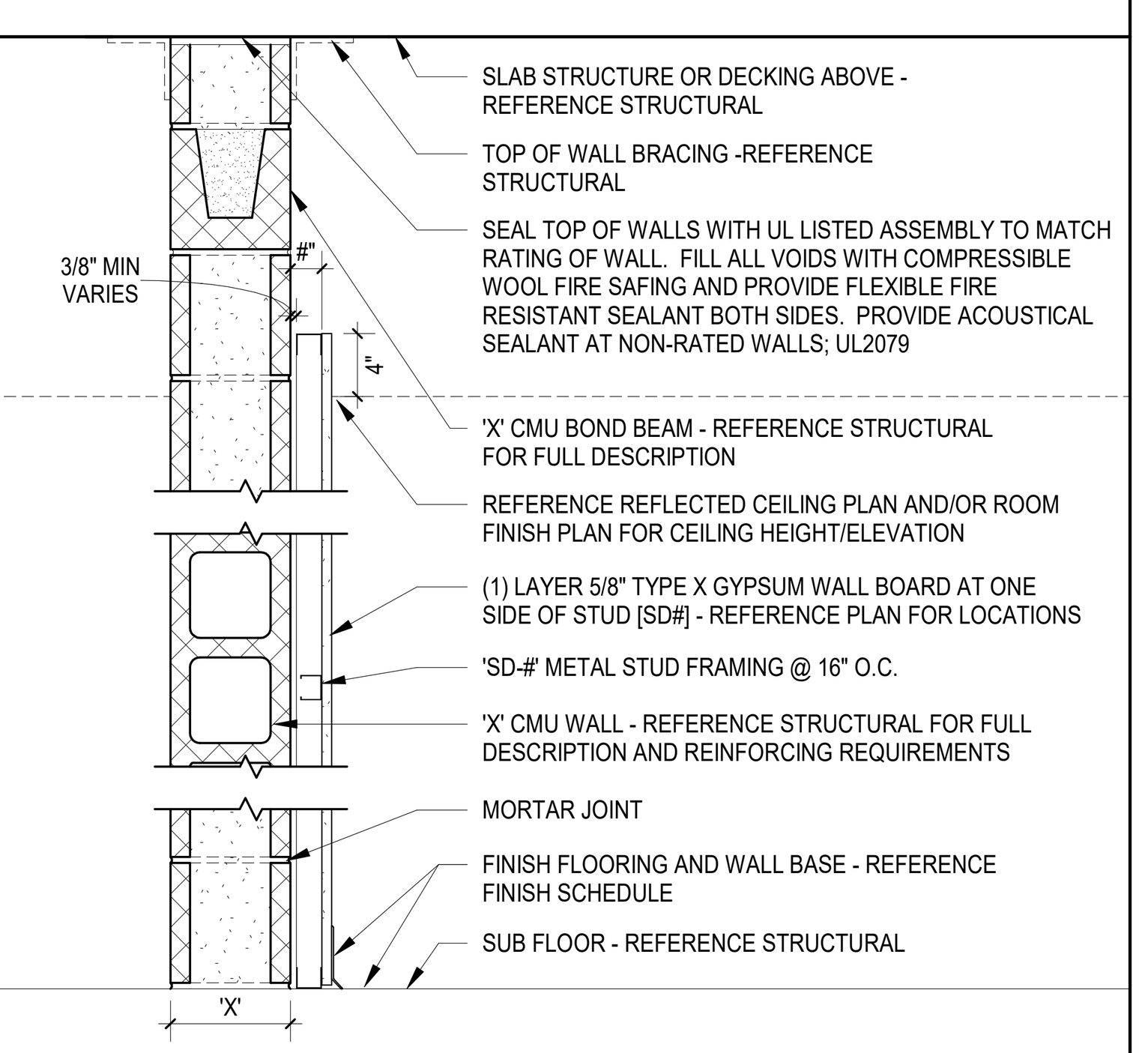
MA

STRUCTURE ABOVE

CEILING LINE

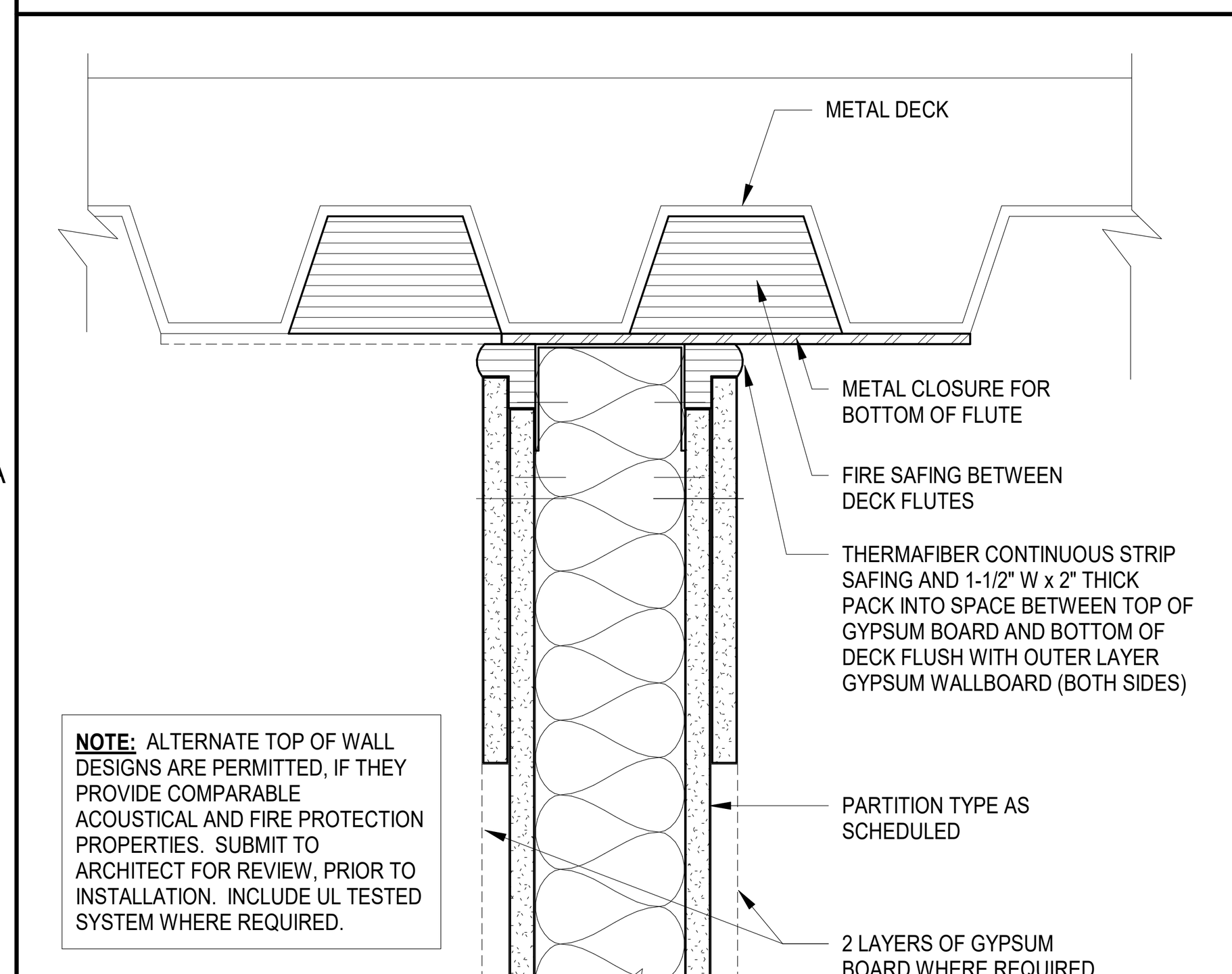
PLAN

FLOOR LINE

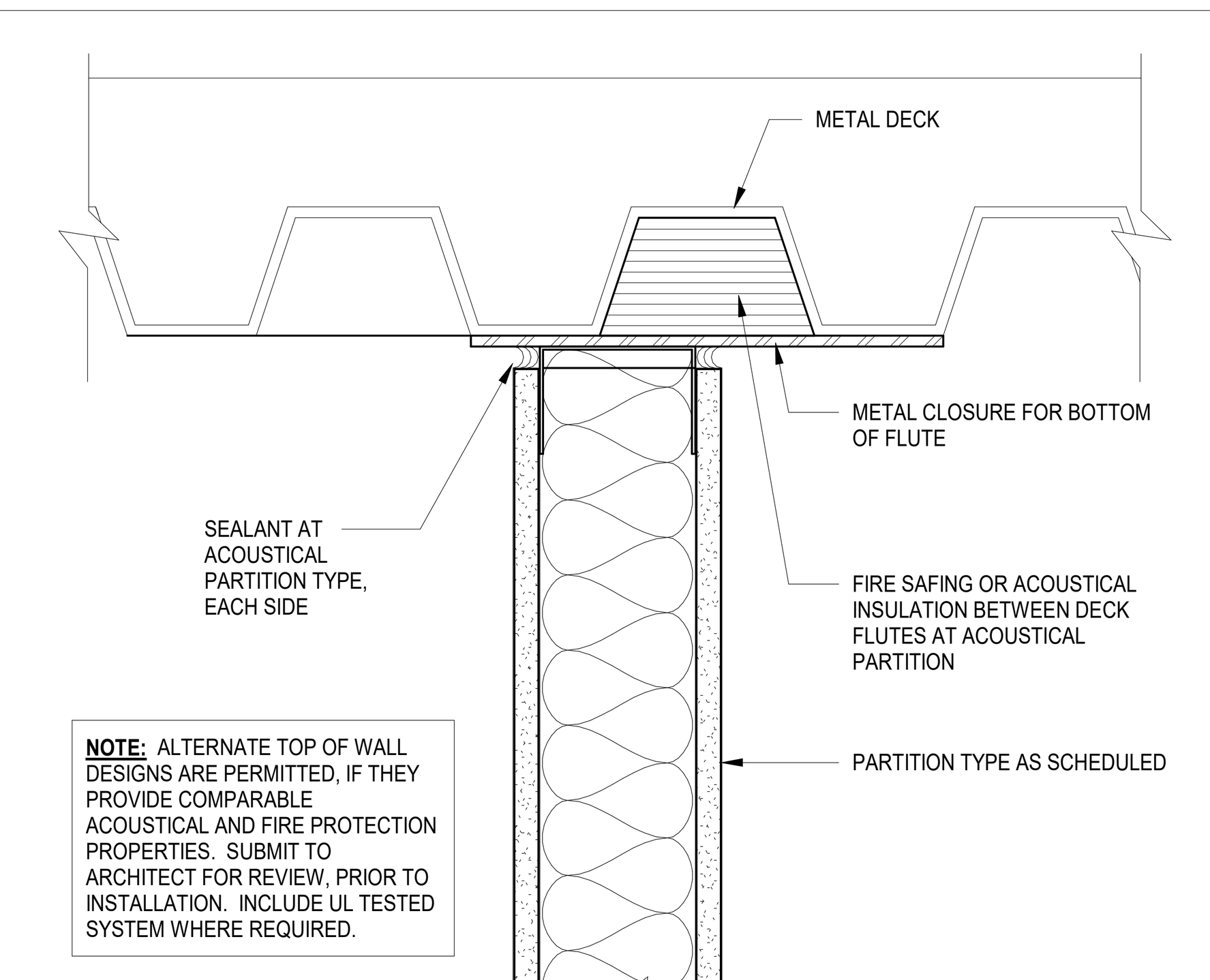


	MA4	MA6	MA8	MA12
CMU SIZE	3 5/8"	5 5/8"	7 5/8"	11 5/8"
ACTUAL DIMENSION 'X'	3 5/8"	5 5/8"	7 5/8"	11 5/8"
FIRE RESISTANCE AND DESIGN NUMBER (SEE LIFE SAFETY FOR RATED ASSEMBLY LOCATIONS)	- -	- -	1 or 2 HOUR U905	1 or 2 HOUR U905
ACOUSTICAL RATING	- -	- -	48 STC - HLW 55 STC - SOLID	48 STC - HLW 55 STC - SOLID

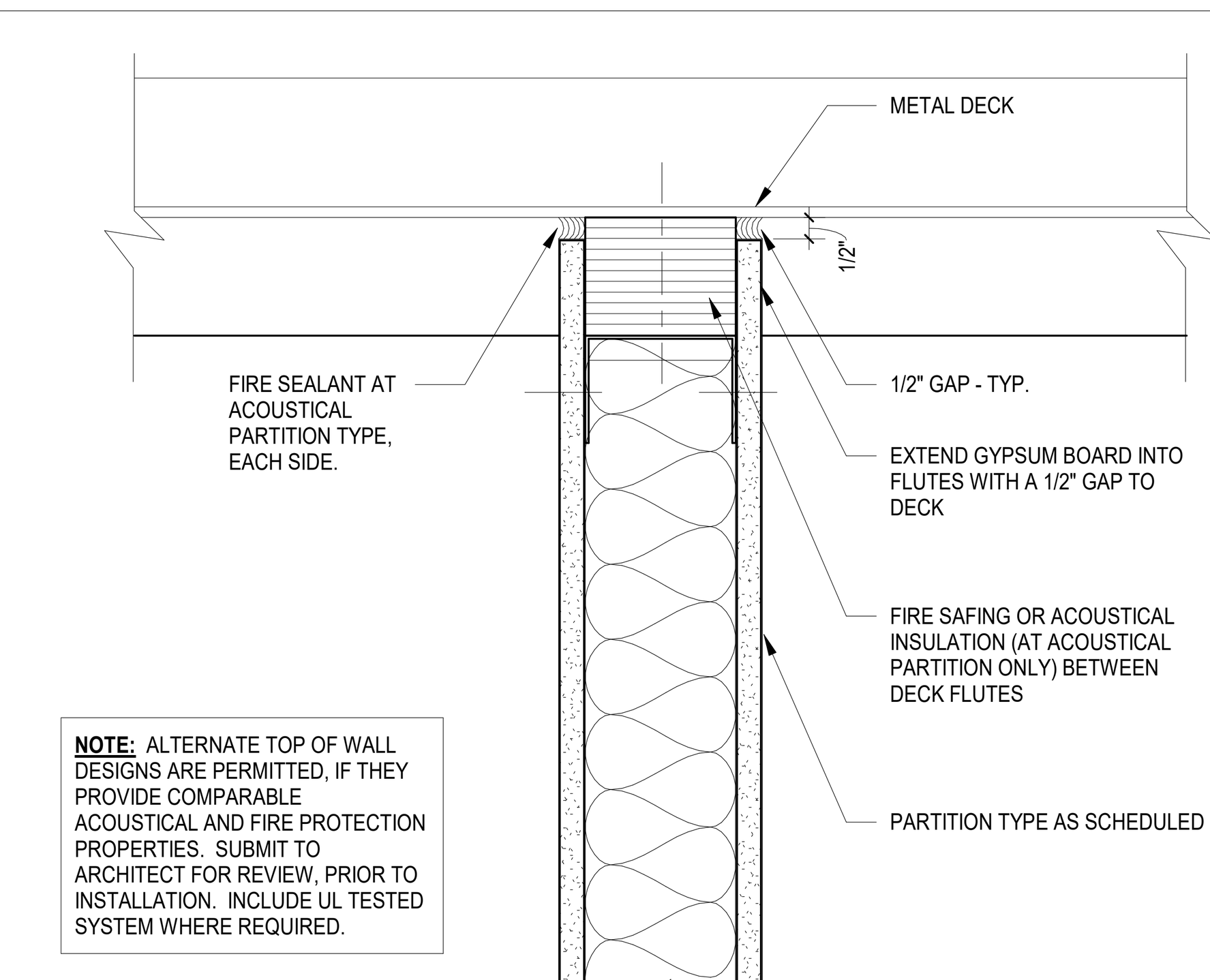
TYP. RATED PTN. PARALLEL TO METAL DECK



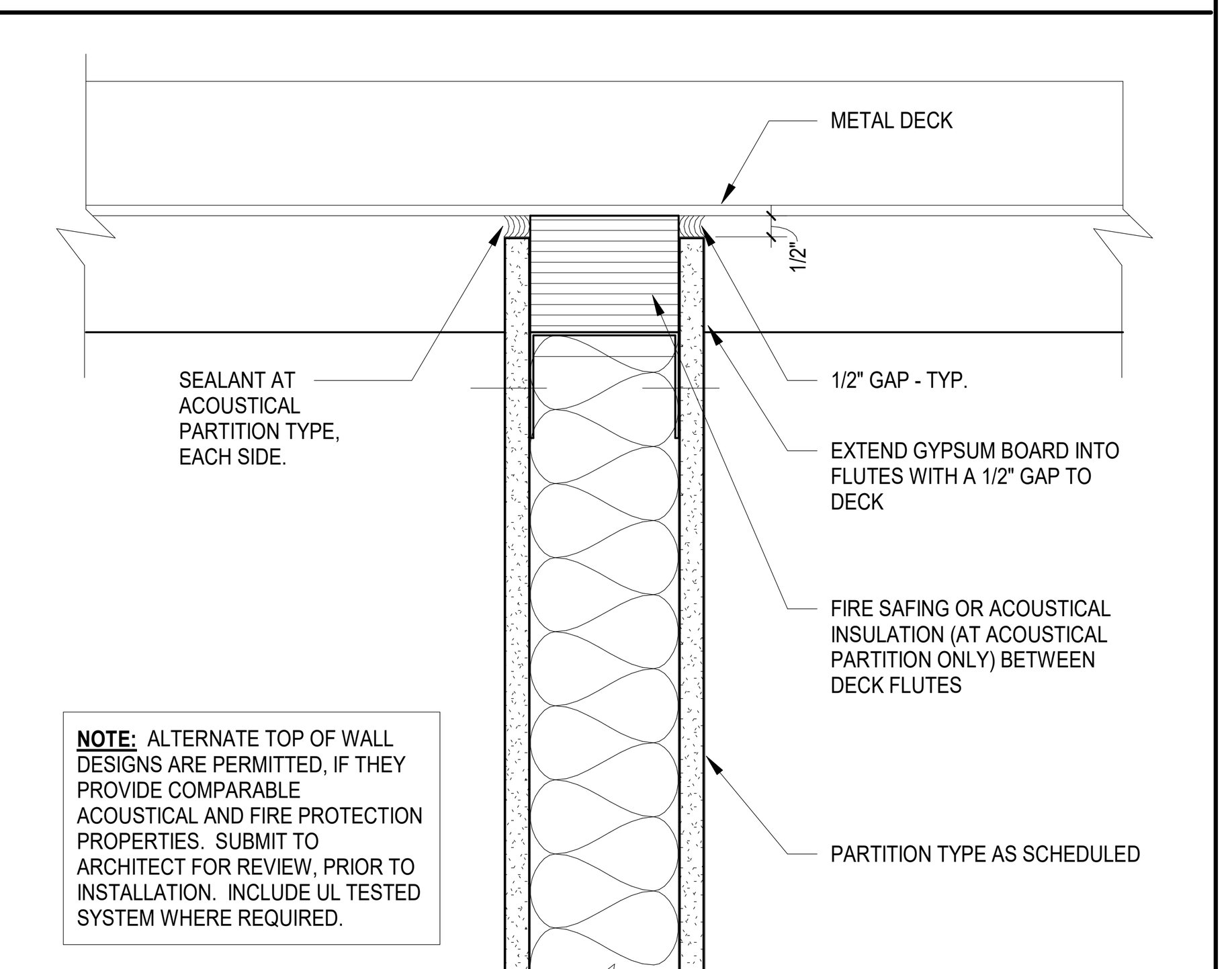
TYP. NON-RATED PTN. PARALLEL TO MTL DECK



TYP. RATED PTN. PERP. TO METAL DECK



TYP. NON-RATED PTN. PERP. TO METAL DECK



GENERAL PARTITION NOTES

A. PLAN DIMENSIONS ARE FACE OF STUD, CMU OR FINISH FACE OF EXISTING WALL CONSTRUCTION UNLESS SPECIFICALLY NOTED OTHERWISE

B. GYPSUM WALL BOARD LAYERS ON RATED WALLS SHALL BE CONTINUOUS THROUGH ALL INTERSECTIONS WITH NON-RATED WALLS. REFER TO FIRE WALL PRIORITY DIAGRAM.

C. REFERENCE ALL FLOOR PLANS AND LIFE SAFETY PLANS FOR RATED WALL LOCATIONS AND RATINGS.

D. PROVIDE TYPE X, MOLD AND MOISTURE RESISTANT GYPSUM WALL BOARD IN ALL TOILET, JANITOR, AND LAUNDRY ROOMS.

E. PROVIDE CEMENT BOARD IN ALL WET SHOWER AREA WALLS WITH TILE FINISH.

F. PROVIDE IMPACT RESISTANT GYPSUM WALL BOARD UP TO 4'-0" IN ALL LOBBIES AND CORRIDORS.

G. AT ALL JOINTS AT TOP OF ALL FIRE RATED PARTITIONS: PROVIDE COMPLETE UL LISTED FIRE RESISTIVE JOINT SYSTEM TO MATCH FIRE RESISTANCE OF WALL ASSEMBLY AND THAT IS ALSO COMPATIBLE WITH JOINT SUBSTRATES.

H. ANY PORTION OF GYPSUM WALL BOARD THAT BECOMES WET OR SHOWS SIGNS OF MOISTURE DAMAGE, EITHER BEFORE OR AFTER INSTALLATION, IS TO BE REMOVED IMMEDIATELY AND REPLACED WITH NEW DRY GYPSUM WALL BOARD.

I. INTERIOR PARTITIONS MAY HAVE ADDITIONAL FINISHES. REFERENCE FINISH SCHEDULE AND DETAIL SHEETS FOR ADDITIONAL INFORMATION.

J. PROVIDE PROJECT SPECIFIC DELEGATED DESIGN DATA INCLUDING STUD SPACING, STUD GAUGE, BRACING AND DEFLECTION.

K. MINOR WALLS OR OTHER WALLS NOT TAGGED WILL BE OF THE SAME WALL TYPE AS ADJACENT WALLS (UNLESS OTHERWISE NOTED).

L. COORDINATE AND PROVIDE ALL REQUIRED BLOCKING WITHIN THE WALLS. THIS INCLUDES BUT IS NOT LIMITED TO, ALL MILLWORK, CASEWORK, GRAB BARS, MONITORS, AND TOILET PARTITIONS.

M. INSTALL GYPSUM WALL BOARD ON INTERIOR PARTITIONS WITH A MINIMUM 1/4" GAP BETWEEN THE GYPSUM WALL BOARD AND THE FINISHED FLOOR.

N. AT RATED PARTITIONS AND CEILINGS, INSTALL CONTROL JOINTS PER THE TESTED ASSEMBLIES.

O. PROVIDE ACOUSTIC PARTITIONS AT THE FOLLOWING LOCATIONS: TOILET ROOMS, CONFERENCE ROOMS, PRIVATE OFFICES, AND DUCT SHAFTS. MECHANICAL BOOT FOR RETURN AIR TO BE PROVIDED WHERE WALLS-TO-DECK ISOLATE THE PLENUM FROM OTHER OPEN SPACES.

P. SOUND ATTENUATION BLANKET (ACOUSTICAL BATT) INSULATION IS REQUIRED AT ALL INTERIOR PARTITIONS AND SHALL RUN FULL HEIGHT OF PARTITION UNLESS NOTED OTHERWISE. SOUND ATTENUATION BATT SHALL BE AS FOLLOWS:
   a. FIRE RESISTANT PARTITIONS: MINERAL WOOL SOUND ATTENUATION FIRE BLANKET (SAFB) - FULL STUD DEPTH
   b. NON-RATED PARTITIONS: UNFACED FIBERGLASS SOUND ATTENUATION BATTS (SAB) - FULL STUD DEPTH

CONTROL JOINT NOTES

GYPSUM WALL BOARD:

LOCATE CONTROL JOISTS AS FOLLOWS:

A. PROVIDE CONTROL JOINTS IN WIDTHS NO GREATER THAN 30'-0" OC, BUT NO LESS THAN 16'-0".

B. INSTALL CONTROL JOINTS ACCORDING TO ASTM C 840 AND IN SPECIFIC LOCATIONS APPROVED BY ARCHITECT FOR VISUAL EFFECT.

C. SUBMIT CONTROL JOINT LOCATION PLAN TO ARCHITECT FOR REVIEW PRIOR TO INSTALLATION.

D. PROVIDE CONTROL JOINTS ABOVE DOOR JAMBS (BOTH SIDES OF WALL) WHENEVER POSSIBLE.

CONCRETE MASONRY UNIT:

LOCATE CONTROL JOINTS AS FOLLOWS:

A. ON ONE SIDE OF ALL WALL OPENINGS SMALLER THAN 6'-0" IN WIDTH (1'-4" FROM ROUGH OPENING)

B. ON BOTH SIDES OF ALL WALL OPENINGS LARGER THAN 6'-0" IN WIDTH (1'-4" FROM ROUGH OPENING)

C. SO THAT NO SINGLE LENGTH IS GREATER THAN 30'-0".

D. NO CLOSER THAN 4'-0" AND NO FARTHER THAN 10'-0" FROM CORNERS.

E. WHEREVER ABRUPT CHANGES IN WALL HEIGHTS OR THICKNESS OCCUR.

F. WHERE CMU WALLS ARE CLAD IN GYPSUM BOARD, PROVIDE JOINTS TO ALIGN WITH SCHEDULED GYPSUM BOARD JOINT LOCATIONS.

G. ADDITIONAL LOCATIONS WHERE ADVISED BY MASONRY CONTRACTOR.

WALL TAG LEGEND

WALL VARIANT
ALPHABETICALLY SEQUENTIAL

WALL TYPE
M - MASONRY
S - STEEL STUD
W - WOOD STUD

SA4.0

MEMBER THICKNESS
SEE BELOW

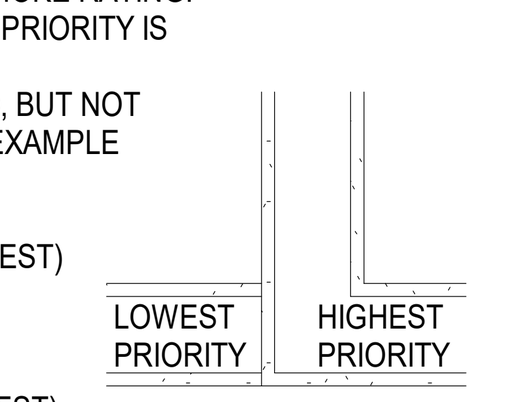
WALL RATING
(IN HOURS)

FURRING	STEEL STUD	SHAFT WALL	MASONRY
L - LAMINATED	1 - 1 5/8" STUD	2 - 2 1/2" SHAFT STUD	4 - 3 5/8" CMU
0 - 7/8" HAT	2 - 2 1/2" STUD	4 - 4" SHAFT STUD	6 - 5 5/8" CMU
1 - 1 1/2" HAT	3 - 3 5/8" STUD	6 - 6" SHAFT STUD	8 - 7 5/8" CMU
	4 - 4" STUD	8 - 1 1/2" x 7 1/4" STUD	10 - 9 5/8" CMU
	6 - 6" STUD	12 - 1 1/2" x 11 1/4" STUD	12 - 11 5/8" CMU
	8 - 8" STUD		

WALL FRAMING PRIORITY

A. PARTITIONS SHALL BE PRIORITIZED BASED ON FIRE AND SMOKE RATING.
B. PARTITIONS SHALL BE CONSTRUCTED SUCH THAT HIGHER PRIORITY IS FRAMED BEFORE LOWER PRIORITY.
C. LOWER PRIORITY PARTITIONS SHALL BE FRAMED TIGHT TO, BUT NOT INTERRUPT HIGHER PRIORITY CONSTRUCTION. (SEE THE EXAMPLE BELOW)

2 HOUR FIRE RATED W/ SMOKE BARRIER	PRIORITY 1 (HIGHEST)
2 HOUR FIRE RATED	PRIORITY 2
1 HOUR FIRE RATED W/ SMOKE BARRIER	PRIORITY 3
1 HOUR FIRE RATED	PRIORITY 4
NONE RATED	PRIORITY 5 (LOWEST)



WALL RATING STENCILING

ONE HOUR RATED WALL
PROTECT ALL OPENINGS

TWO HOUR RATED WALL
PROTECT ALL OPENINGS

WHERE THERE IS AN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACE, FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING IN THE CONCEALED SPACE. SUCH IDENTIFICATION SHALL:

1. BE LOCATED WITHIN 15 FEET OF THE END OF EACH WALL AND AT INTERVALS NOT EXCEEDING 30 FEET MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION.

2. PROVIDE A MINIMUM OF 1 LABEL PER WALL

3. INCLUDE LETTERING NOT LESS THAN 3 INCHES IN HEIGHT WITH A MINIMUM 3/8-INCH STROKE IN A CONTRASTING RED COLOR INCORPORATING THE WORDING SHOWN ABOVE.

4. BETWEEN AREAS OF TEXT, PROVIDE A CONTINUOUS 1" WIDE RED HORIZONTAL LINE

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED ARCHITECT SEAL 17168 LISA MARIE CONNELL 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE:	02/06/2026
PHASE:	PERMIT SET

SHEET ISSUE:

NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE:	M. SHEWARD
PROJECT ARCHITECT:	L. HOWELL
DRAWN BY:	GC/DK

SHEET TITLE:

PARTITION TYPES

SHEET NO. A004

PROJ. NO. 024370.01

GENERAL NOTES - SLEEVES

1. PROVIDE PIPE SLEEVES TO REACH EACH GRASSED ISLAND, FIELD, AND TRAFFIC CONTROL ARM, THAT IS WITHIN THE PROJECT BOUNDARIES, AS FOLLOWS:
   (2) ELECTRICAL SLEEVES (4" SCHEDULE 40 ELECTRICAL GRADE PVC PIPE)
   (1) IRRIGATION SLEEVE (4" SCHEDULE 40 PVC PIPE)

2. PAVED ROAD / DRIVE AREA SLEEVING IS TO BE 36" DEEP, UNLESS OTHER UTILITIES REQUIRE OTHERWISE. UNDER CONCRETE WALKS, SLEEVING IS TO BE 18" DEEP, UNLESS OTHER UTILITIES REQUIRE OTHERWISE. GC IS TO COORDINATE.

3. EXTEND THE SLEEVE ENDS 18" MIN. PAST CONCRETE WALKS AND 24" MIN. PAST DRIVES, AND CAP OFF BOTH ENDS OF EACH SLEEVE.

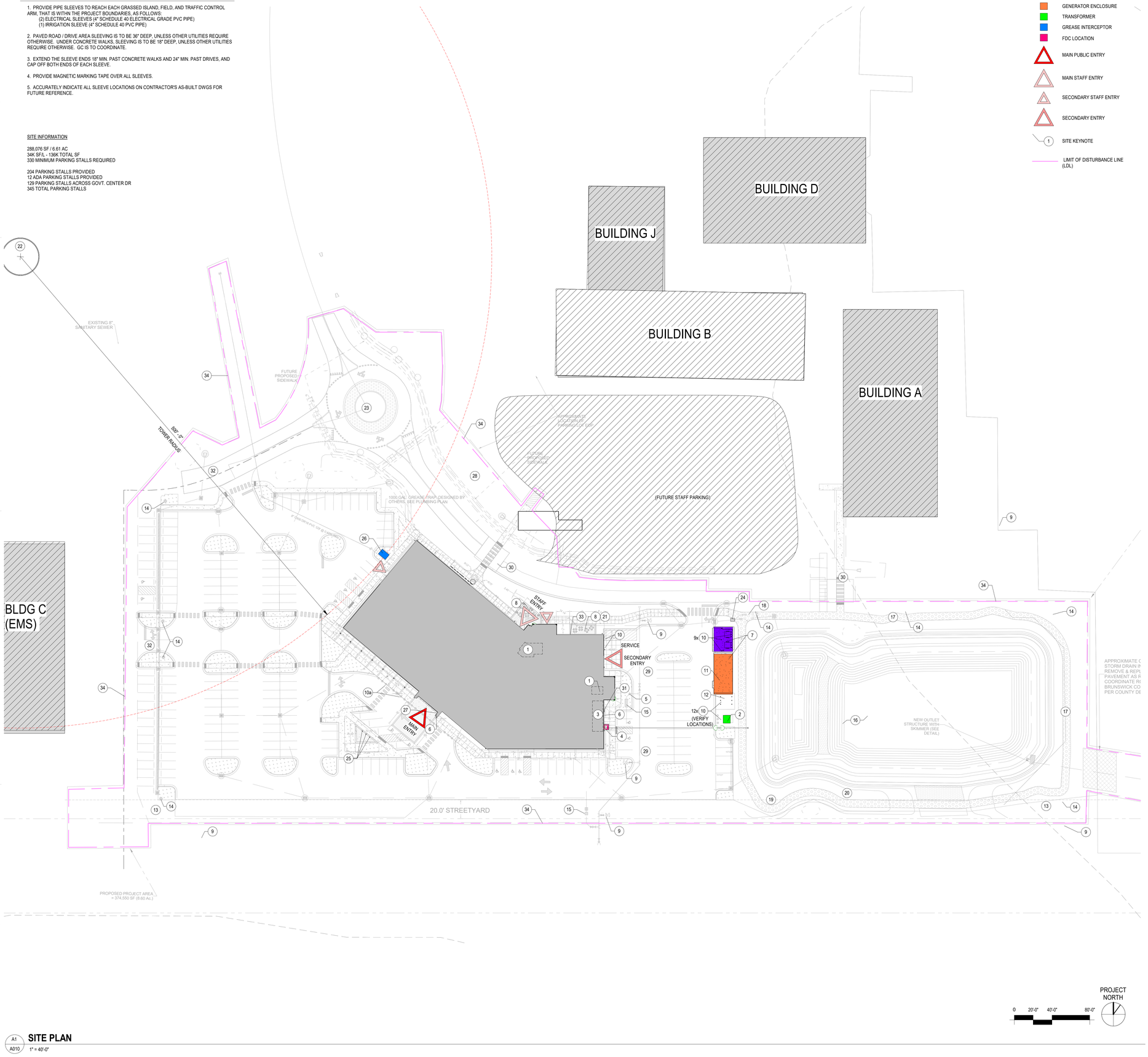
4. PROVIDE MAGNETIC MARKING TAPE OVER ALL SLEEVES.

5. ACCURATELY INDICATE ALL SLEEVE LOCATIONS ON CONTRACTOR'S AS-BUILT DWGS FOR FUTURE REFERENCE.

SITE INFORMATION

288,076 SF / 6.61 AC
34K SF/L - 136K TOTAL SF
330 MINIMUM PARKING STALLS REQUIRED

204 PARKING STALLS PROVIDED
12 ADA PARKING STALLS PROVIDED
129 PARKING STALLS ACROSS GOVT. CENTER DR
345 TOTAL PARKING STALLS



A1 / A010 **SITE PLAN**
1" = 40'-0"

SITE PLAN LEGEND

- DUMPSTER ENCLOSURE
- GENERATOR ENCLOSURE
- TRANSFORMER
- GREASE INTERCEPTOR
- FDC LOCATION
- MAIN PUBLIC ENTRY
- MAIN STAFF ENTRY
- SECONDARY STAFF ENTRY
- SECONDARY ENTRY
- 1 SITE KEYNOTE
- LIMIT OF DISTURBANCE LINE (LDL)

KEYNOTES - SITE

(1) ELECTRICAL ROOM
REFER TO ELECTRICAL DWGS

(2) ELECTRICAL TRANSFORMER
GENERAL CONTRACTOR TO VERIFY SIZE AND LOCATION WITH UTILITY PROVIDER
GENERAL CONTRACTOR TO PROVIDE CONCRETE PAD
GENERAL CONTRACTOR TO COORDINATE EXACT LOCATION AND CLEARANCE REQUIREMENTS WITH OTHER NEW AND EXISTING ADJACENT UTILITIES

(3) FIRE RISER ROOM/PUMP ROOM
REFER TO FIRE PROTECTION DWGS FOR LAYOUT

(4) FIRE DEPARTMENT CONNECTION - FDC.
REFER TO CIVIL FOR EXACT LOCATION AND SIGNAGE REQUIREMENTS (ON BUILDING AND AT ENTRY DRIVE)

(5) POST INDICATOR VALVE - PIV
PROVIDE ELECTRICAL CONNECTION / SENSOR TO FIRE ALARM PANEL
REFER TO CIVIL FOR EXACT LOCATION (40' MIN FROM BUILDING)

(6) KNOX BOX (KEY BOX) - FULLY RECESSED.
MOUNT AT 5'-0" AFF, VERIFY WITH FIRE MARSHAL

(7) CONCRETE PAD, DUMPSTER ENCLOSURE, GENERATOR ENCLOSURE, & BOLLARDS
REFER TO A011 AND CIVIL DRAWINGS

(8) EXTERIOR PATIO
SEATING OFOI
REFER TO LANDSCAPE AND CIVIL DRAWINGS.

(9) FIRE HYDRANT
REFER TO CIVIL DRAWINGS FOR ADDITIONAL LOCATIONS

(10) CONCRETE FILLED STEEL (UTILITARIAN) BOLLARD - TYPICAL
REFER TO DETAILS ON SHEET A011

(10a) DECORATIVE ILLUMINATED BOLLARD - TYPICAL
REFER TO LANDSCAPE DWGS AND ELECTRICAL DWGS

(11) EMERGENCY ELECTRICAL GENERATOR
REFER TO ELECTRICAL DRAWINGS

(12) EXTERIOR CONNECTION FOR PORTABLE TRUCK MOUNTED (REDUNDANT) ELECTRICAL GENERATOR; UNINTERRUPTED POWER SUPPLY (UPS)
REFER TO ELECTRICAL DRAWINGS

(13) 4'x8' TEMPORARY PROJECT IDENTIFICATION CONSTRUCTION SIGN
INCLUDE FULL COLOR RENDERING
EXACT LAYOUT BY CONTRACTOR / SIGN VENDOR.
REFER TO DESIGN DRAWINGS ON SHEET A012

(14) SITE LIGHT POLE.
3' TALL CONC. BASE & CONDUIT INFRASTRUCTURE PROVIDED BY GENERAL CONTRACTOR. LIGHT POLE PROVIDED BY UTILITY COMPANY TO MATCH EXISTING.
GENERAL CONTRACTOR TO COORDINATE ALL REQUIREMENTS AND SCHEDULE.
GENERAL CONTRACTOR TO COORDINATE LOCATIONS TO ALIGN WITH PLANNED PARKING LOT STRIPING & SCHEDULED PALNTINGS.

(15) WATER METER(S) / BACKFLOW PREVENTER / VAULT
REFER TO CIVIL DWGS BY OTHERS.

(16) DETENTION POND
REFER TO CIVIL DWGS

(17) LISA M THOMPSON WALKING TRAIL
REFER TO CIVIL DWGS

(18) EXISTING LISA M THOMPSON WALKING TRAIL GRANITE MARKER
RELOCATE FROM ORIGINAL LOCATION
REFER TO LANDSCAPE DWGS AND SHEET A012 FOR MARKER DETAIL

(19) NEW DRUG OVERDOSE RECOGNITION TREE AND MARKER SIGN W/ BASE
RELOCATE ALL WHITE PAINTED NAMED STONES FROM ORIGINAL LOCATION
REFER TO LANDSCAPE DWGS AND SHEET A012

(20) NEW ELDER ABUSE RECOGNITION TREE AND MARKER SIGN W/ BASE
REFER TO LANDSCAPE DWGS AND SHEET A012

(21) DESIGNATED SMOKING AREA
SIGNAGE OFOI

(22) EXISTING RADIO BROADCAST TOWER

(23) NEW TRAFFIC CIRCLE
REFER TO CIVIL DWGS

(24) EXTERIOR DRINKING FOUNTAIN
REFER TO CIVIL AND LANDSCAPE DWGS

(25) 30' FLAG POLE W/ INTEGRAL LIGHTING
REF ELEC DWGS

(26) BELOW GRADE 1,000 GAL. PRECAST CONCRETE GREASE INTERCEPTOR
REF CIVIL DWGS

(27) POWERED DOOR OPERATOR / ACTUATOR
REF ELEC DWGS AND DOOR HARDWARE

(28) SAMPLE PANEL.
PROPOSED LOCATION. CONTRACTOR TO SELECT FINAL LOCATION.

(29) FIRE LANE MARKINGS
PAINTED RED CURB WITH WHITE TEXT
REF CIVIL DWGS

(30) NEW RAISED HANDICAP CROSSWALK / SPEED HUMP
REF CIVIL DWGS.

(31) GAS METER
REF CIVIL AND PLUMB DWGS.

(32) ACCESS CONTROL GATE (W/ BOLLARDS AND KNOX BOX FOR FD ACCESS)
PROVIDE DIRECT BELOW GRADE WIRED CONNECTION BACK TO BUILDING ELECTRICAL ROOM AND BUILDING IT ROOM.
REF ELEC, DATA, AND CIVIL DWGS
REF SLEEVING NOTES

(33) ELEVATOR SUMP PUMP DRAINAGE OUTLET W/ AIR GAP
REF PLUMB DWGS & CIVIL DWGS

(34) LIMIT OF DISTURBANCE LINE (LDL)

GENERAL NOTES - SITE

1. GENERAL CONTRACTOR IS TO REVIEW AND APPROVE EXISTING BENCHMARKS USED BY SITE CONTRACTOR, IN WRITING, WITHIN 5 DAYS OF NOTICE TO PROCEED. BLDG GENERAL CONTRACTOR IS TO ONLY USE EXISTING ESTABLISHED BENCHMARKS FOR ALL WORK.

2. GENERAL CONTRACTOR IS TO CONNECT ALL PIPING AND UTILITY CONDUITS TO WORK PROVIDED BY SITE CONTRACTOR TO 5'-0" OF BUILDING PERIMETER. THIS INCLUDES PROVIDING ANY REQUIRED COUPLINGS, FITTINGS, VALVES, SUPPORTS, ETC., FOR A COMPLETE INSTALLATION.

3. PROTECT ALL EXISTING ITEMS (INCLUDING GRASSING & PLANTINGS) TO REMAIN AND NEW WORK COMPLETED FROM DAMAGE. REPAIR OR REPLACE ANY DAMAGED ITEMS. LANDSCAPE ARCHITECT WILL DETERMINE IF AN ITEM MUST BE REPAIRED OR REPLACED.

4. ALL NEW & EXISTING SECURITY & FIRE ALARM SYSTEMS, WATER, SEWER, IRRIGATION WELLS & LINES, SPEAKER, ELECTRICAL, CABLE, & DATA WIRING MUST BE MAINTAINED AT ALL TIMES. IF DAMAGED, IT MUST BE REPAIRED AND MADE OPERATIONAL BEFORE LEAVING FOR THE DAY.

5. INFORM OWNERS REPRESENTATIVE A MINIMUM OF 5 DAYS IN ADVANCE OF ANY KNOWN PERIODS WHERE SYSTEMS WILL BE INOPERABLE. ALL KNOWN DISRUPTIONS ARE TO BE SCHEDULED WITH THE OWNER AT LEAST 5 WORKING DAYS IN ADVANCE.

6. ALL UNUSED SERVICE UTILITY CONNECTIONS SHALL BE DISCONTINUED AND CAPPED (AT THE PROPERTY LINE) IN ACCORDANCE WITH THE APPROVED RULES AND THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION. SEE ELEC & CIVIL DWGS. INDICATE ALL UNUSED LINES ON THE AS-BUILT DWGS AS SOON AS THEY ARE IDENTIFIED.

7. GENERAL CONTRACTOR SHALL VERIFY THE EXISTENCE OF ALL UNDERGROUND UTILITIES AND PIPING, AND PROTECT BEFORE BEGINNING WORK. GENERAL CONTRACTOR SHALL EMPLOY A LOCATION SERVICE AT HIS EXPENSE AND WILL BE RESPONSIBLE FOR ANY REPAIRS NECESSARY AS A RESULT OF DAMAGES CAUSED BY CONSTRUCTION OPERATIONS.

8. ALL BELOW GROUND UTILITIES ARE TO BE LOCATED A MINIMUM DISTANCE FROM THE EDGE OF THE TRANSFORMER PADS (AS REQUIRED BY UTILITY PROVIDER). GENERAL CONTRACTOR IS TO COORDINATE WITH SITE UTILITY PROVIDERS.

9. PROVIDE ACCESSIBLE EXTERIOR GRADING FROM ALL EXTERIOR EGRESS DOORS. REF CIVIL DRAWINGS FOR GRADING INFORMATION. BUILDING CONTRACTOR IS TO COORDINATE WORK WITH SITE CONTRACTOR FOR SEAMLESS GRADING TRANSITIONS.

10. DAILY CLEAN-UP OF THE PROJECT SITE IS REQUIRED.

11. THE PROJECT WILL NOT HAVE AN IRRIGATION SYSTEM. CONTRACTOR SHALL PROVIDE WATER FOR ALL PLANTINGS UNTIL 12 MONTHS AFTER SUBSTANTIAL. REFER TO LANDSCAPE DRAWINGS.

12. REFER TO CIVIL DRAWINGS FOR THE FOLLOWING:
   a. PERVIOUS / IMPERVIOUS REQUIREMENTS
   b. PROPERTY LINES
   c. LOCATIONS OF ALL BUILDINGS (AND DUMPSTER ENCLOSURE)
   d. STORM WATER DETENTION DESIGN
   e. LIGHT POLES AND CONCRETE POLE BASES
   f. FIRE HYDRANTS / FDC / PIV
   g. ACCESSIBLE ROUTES & PARKING
   h. FLOOD PLAIN INFORMATION
   i. BUILDING FINISHED FLOOR ELEVATIONS
   j. SITE RETAINING WALLS
   k. PARKING SPACE CALCULATIONS
   l. CONCRETE WHEELSTOPS
   m. SPOT GRADES AT BUILDING PERIMETERS
   n. FENCING
   o. FIRE TRUCK ACCESS AND HOSE COVERAGE
   p. EXISTING CONDITIONS AND DEMOLITION REQUIREMENTS

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY, ACCEPTABLE DIGITAL DATA WILL BE DESTROYED ON REQUEST AT THE COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. — CERT. NO. 54314 — REGISTERED ARCHITECTURAL CORPORATION — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED — SEAL 37168 — LAURA MARIE CONNERLY — 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE:	02/06/2026
PHASE:	PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE:	M. SHEWARD
PROJECT ARCHITECT:	L. HOWELL
DRAWN BY:	GC/DK

SHEET TITLE:

ARCHITECTURAL SITE PLAN

SHEET NO. A010

PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR STORED, ACCOUNTED UNTO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

2025/08/26 3:42:48 PM - Autodesk Docs://2025-08 Brunswick County Health & Human Services/MPS_Brunswick County Health and Human Service - Generator Enclosure_R25.rvt

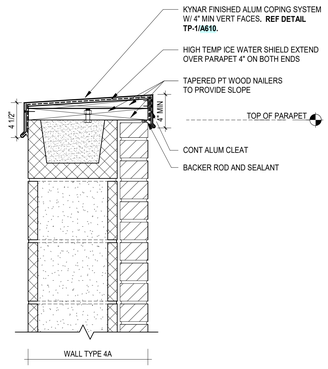
GENERAL NOTES - GEN & DUMPSTER ENCLOSURE

1. SWING GATES AND POSTS ARE BY DELEGATED DESIGN. PROVIDE SIGNED AND SEALED STRUCTURAL ENGINEERING SHOP DRAWINGS FOR REVIEW.
2. ALL FASTENERS AND HARDWARE ARE TO BE STAINLESS STEEL.
3. ALL STRUCTURAL STEEL IS TO BE GALVANIZED AND PAINTED WITH HIGH PERFORMANCE COATING SYSTEM.
4. ALL STRUCTURAL STEEL IS TO BE AESS LEVEL 1
5. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION, INCLUDING SPECIFIC GENERATORS AND DUMPSTERS TO BE PROVIDED BY OWNER.

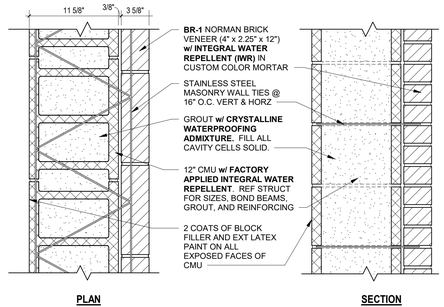
FINISHES - GENERATOR/ DUMPSTER ENCLOSURE

REF A300 FOR EXTERIOR MATERIAL LEGEND

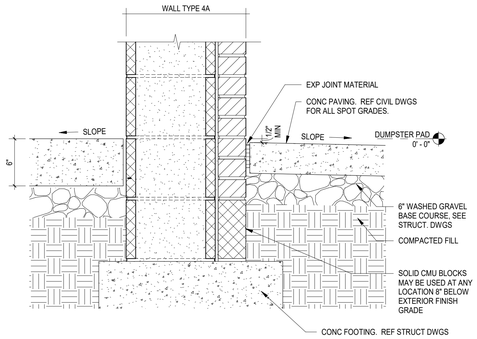
BRICK:	MATCH **BR-1** NORMAN BRICK w/ CUSTOM MORTAR COLOR 1/3 RUNNING BOND
CMU:	2 COATS BLOCK FILLER 2 COATS EXT EPOXY PAINT SYSTEM MEDIUM GRAY - SW7069 IRON ORE
METAL COPING AT BRICK WALL CAPS:	COLOR TO MATCH **MCM-1**
GATE METAL PANELS:	COLOR TO MATCH **MCM-1**
GALV STEEL GATE POSTS:	SHERWIN WILLIAMS HIGH PERFORMANCE COATING SYSTEM - MATCH GATE COLOR
BOLLARDS:	SHERWIN WILLIAMS SAFETY WHITE HIGH PERFORMANCE COATING SYSTEM
LOUVERS:	KYNAR FINISH TO MATCH MCM-1



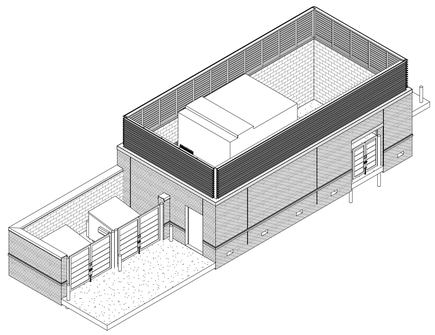
D5 A011 **PARAPET DETAIL - DUMPSTER**
1 1/2" = 1'-0"



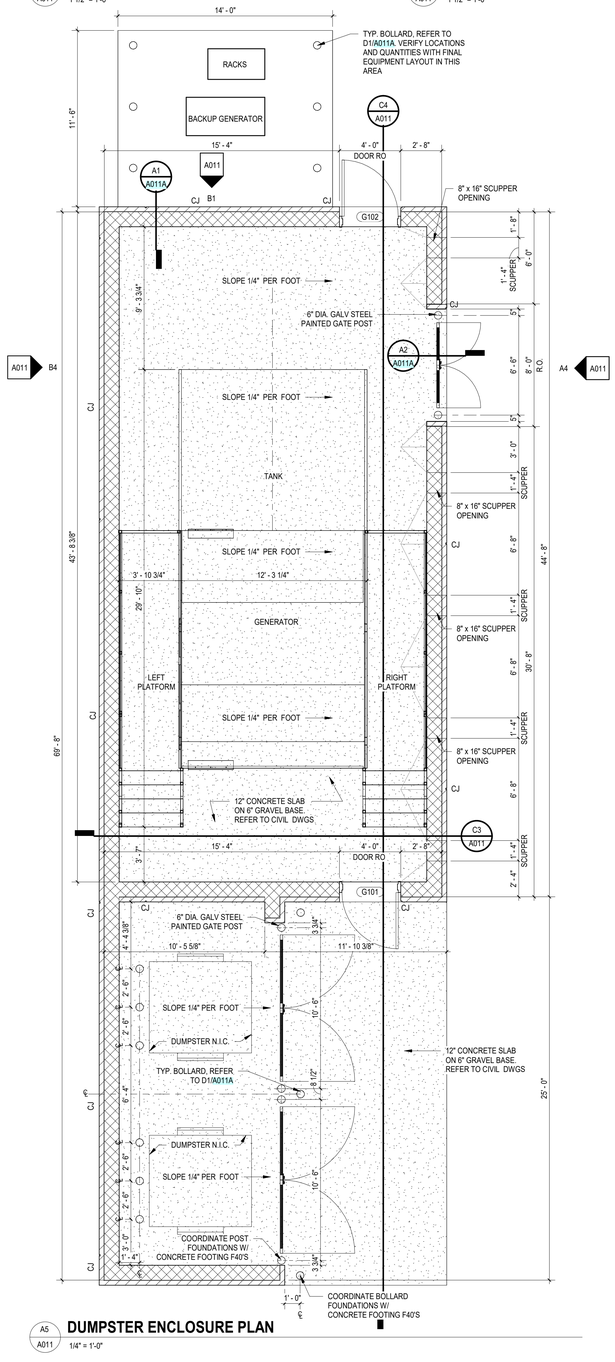
D4 A011 **EXT WALL TYPE - 4A**
1 1/2" = 1'-0"



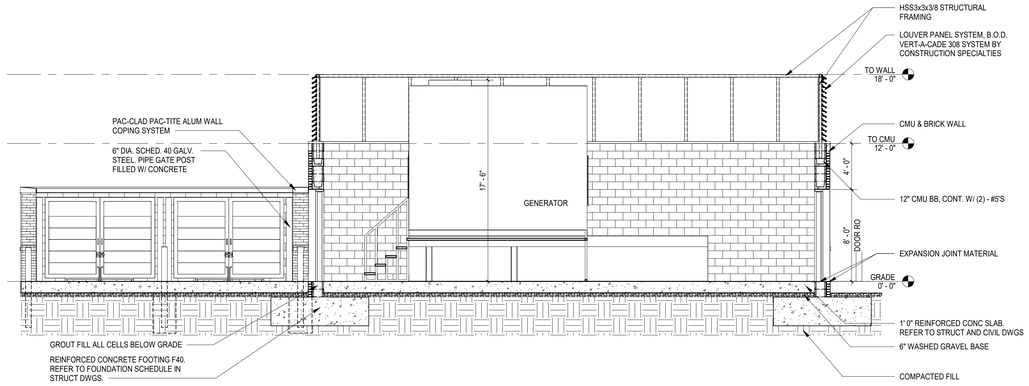
D3 A011 **BO WALL DETAIL - GENERATOR/ DUMPSTER ENCLOSURE**
1 1/2" = 1'-0"



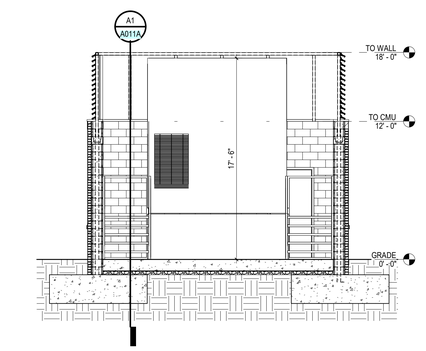
D2 A011 **AXONOMETRIC VIEW**



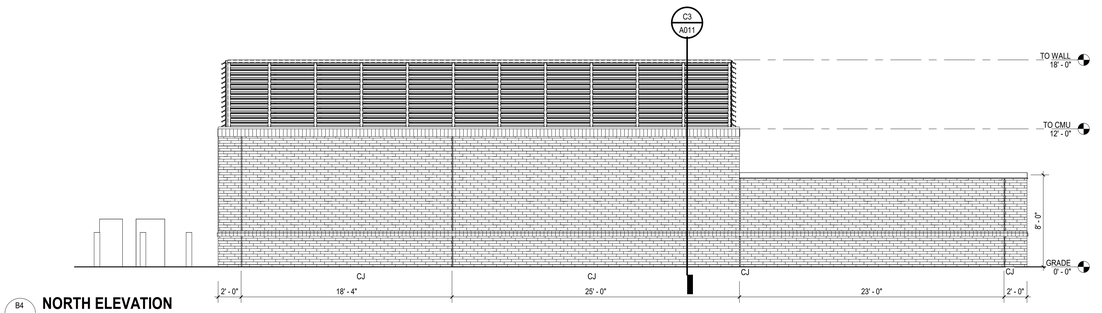
A5 A011 **DUMPSTER ENCLOSURE PLAN**
1/4" = 1'-0"



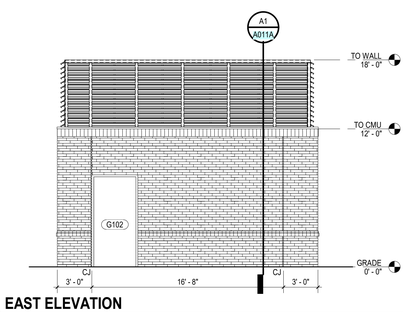
C4 A011 **LONGITUDINAL SECTION**
3/16" = 1'-0"



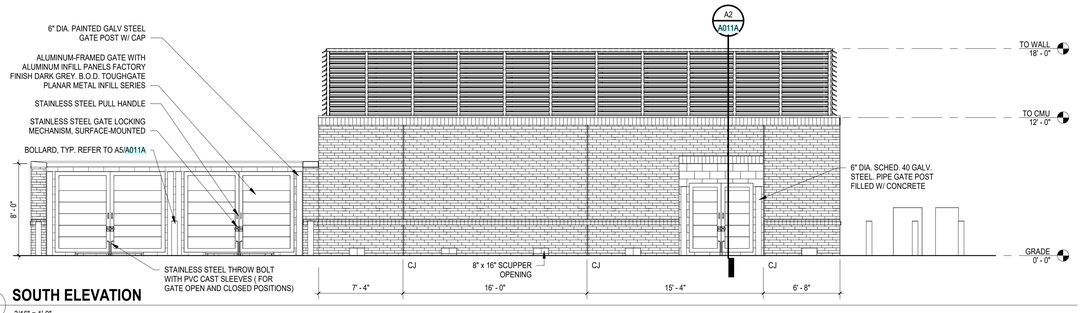
C3 A011 **CROSS SECTION**
3/16" = 1'-0"



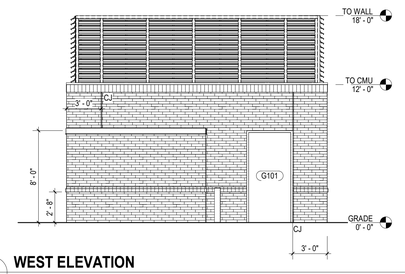
B4 A011 **NORTH ELEVATION**
3/16" = 1'-0"



B1 A011 **EAST ELEVATION**
3/16" = 1'-0"



A4 A011 **SOUTH ELEVATION**
3/16" = 1'-0"



A1 A011 **WEST ELEVATION**
3/16" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERTIFIED ARCHITECTURAL CORPORATION CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17108 LEAH MARIE CONNELLY 02/06/26

BRUNSWICK COUNTRY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/26
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: MS
PROJECT ARCHITECT: LH
DRAWN BY: BW

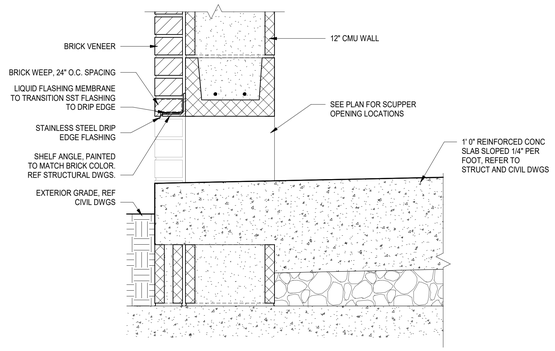
SHEET TITLE:

GENERATOR/ DUMPSTER DETAILS

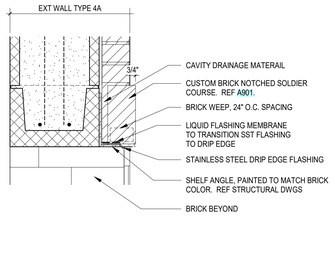
SHEET NO. A011

PROJ. NO. 024370.00

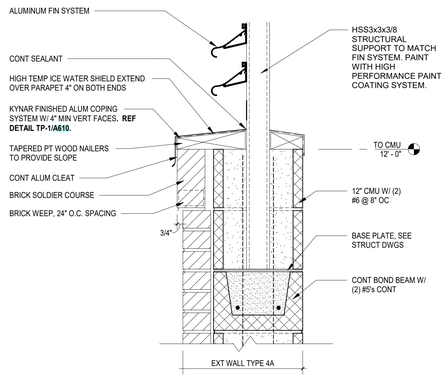
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR STORED, ACCORDING TO MCMILLAN PAZDAN SMITH ARCHITECTURE'S DIRECTION, UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED



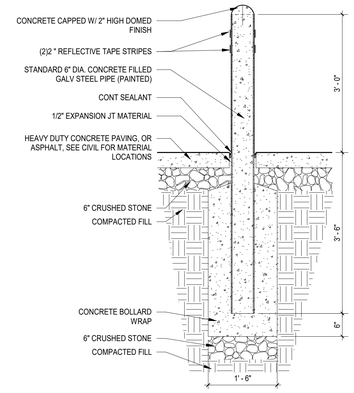
D4 A011A **SCUPPER OPENING DETAIL**
1 1/2" = 1'-0"



D3 A011A **ENLARGED SECTION DETAIL**
1 1/2" = 1'-0"

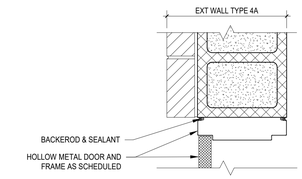


D2 A011A **ENLARGED SECTION DETAIL**
1 1/2" = 1'-0"

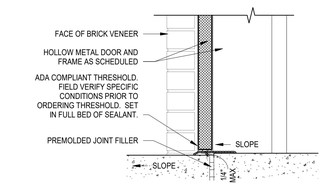


D1 A011A **BOLLARD DETAIL**
3/4" = 1'-0"

H-10



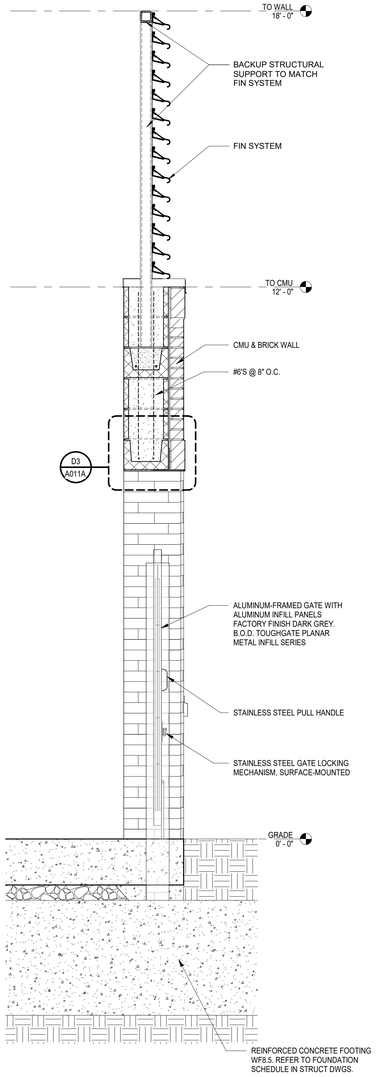
J-10



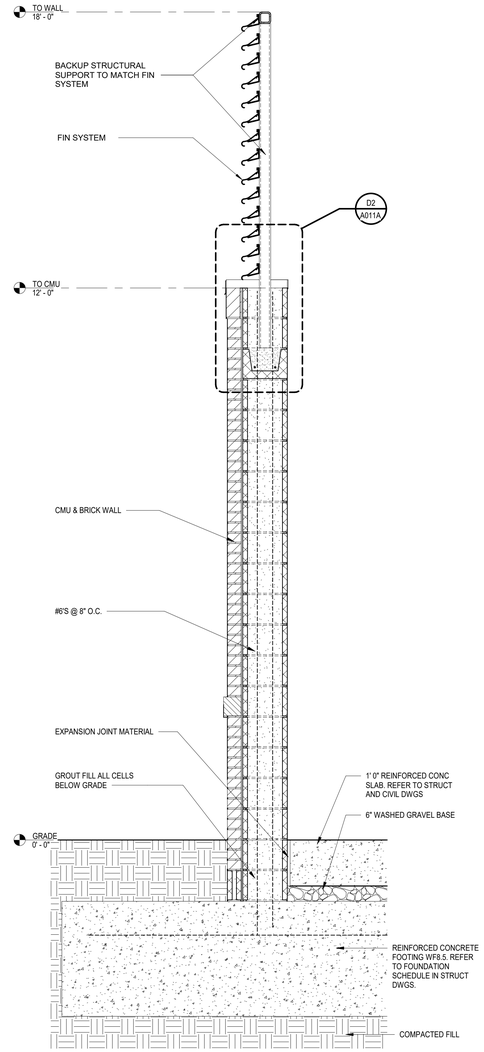
S-10

HEAD JAMB SILL

		DOOR					RATING	FRAME		DETAILS		REMARKS
FLOOR	DOOR NO.	DOOR TYPE	HARDWARE TYPE	WIDTH	HEIGHT	THK.		TYPE	MATERIAL	HEAD	JAMB	
GRADE	G101	D1 - HM		3' - 8"	7' - 10"	0' - 1 3/4"		F1	HM	H-10	J-10	STOREROOM LOCKSET W/ CLOSER. BRUSHED STAINLESS STEEL
GRADE	G102	D1 - HM		3' - 8"	7' - 10"	0' - 1 3/4"		F1	HM	H-10	J-10	STOREROOM LOCKSET W/ CLOSER. BRUSHED STAINLESS STEEL



A2 A011A **WALL SECTION**
3/4" = 1'-0"



A1 A011A **WALL SECTION**
3/4" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17168 LAURA MARIE HOLLOWAY 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/26
PHASE: PERMIT SET

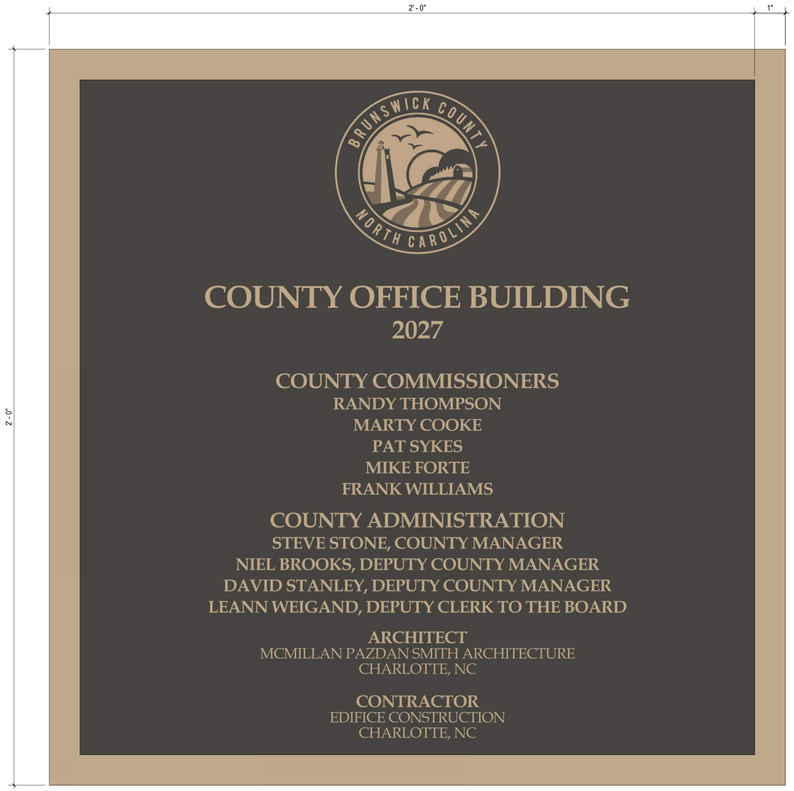
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: MS
PROJECT ARCHITECT: LH
DRAWN BY: BW

SHEET TITLE:
GENERATOR/ DUMPSTER DETAILS

SHEET NO. A011A
PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON MY/HER/OUR PROJECT AND NOT TO BE ASSIGNED TO ANY OTHER PROJECT. WITH THE EXCEPTION OF SIGNATURE SETS FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ELECTRONIC RECORDED COPIES DESTROYED ON REQUEST AT THE COMPLETION OF THE PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY MCMILLAN PAZDAN SMITH ARCHITECTURE FOR THE SPECIFIC PROJECT SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO MCMILLAN PAZDAN SMITH ARCHITECTURE. ALL UNAUTHORIZED REUSE SHALL ENTITLE MCMILLAN PAZDAN SMITH ARCHITECTURE TO FULL COMPENSATION FOR SERVICES, AND DEFENSE AND INDEMNITY AGAINST ALL CLAIMS ARISING FROM THE UNAUTHORIZED REUSE OF THE DOCUMENTS. SUBMISSION OR DISTRIBUTION OF THESE MATERIALS TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THIS PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED



BUILDING DEDICATION PLAQUE

REF: 1/A361 & PLAQUES 10 14 16



JOB SITE SIGN GRAPHIC

REF: (13) A010



CLEAN PRIOR TO RE-INSTALLATION.

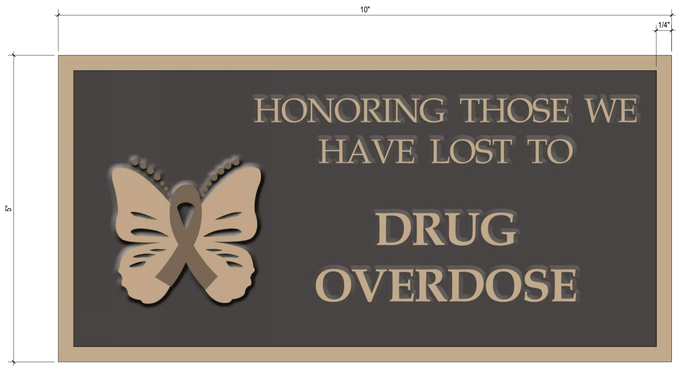
WALKING TRAIL MEMORIAL MARKER

REF: (18) A010



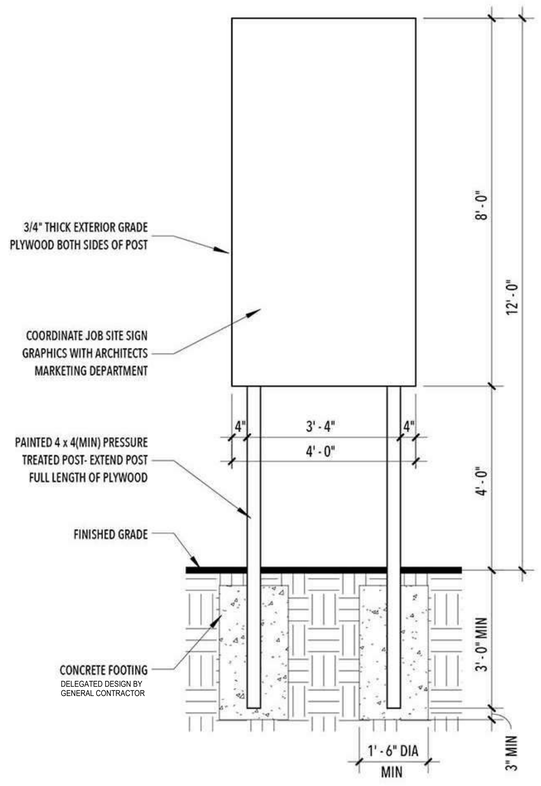
ELDER ABUSE PLAQUE

REF: (20) A010 & PLAQUES 10 14 16



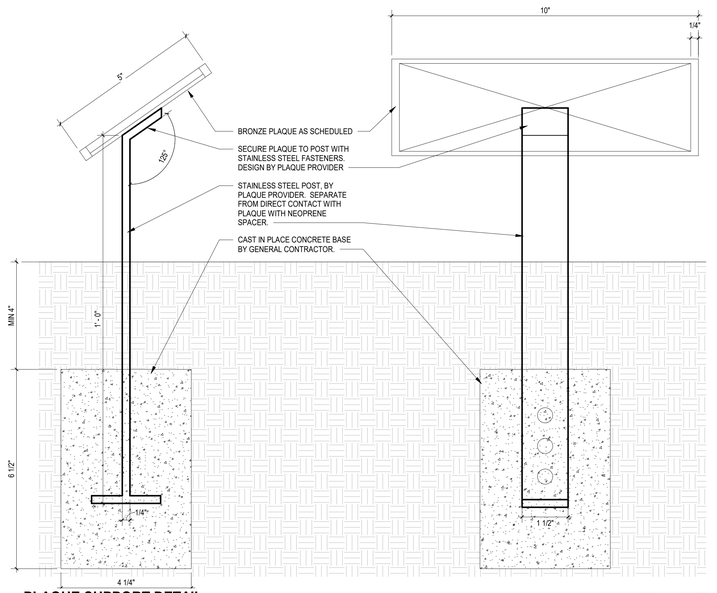
DRUG OVERDOSE PLAQUE

REF: (19) A010 & PLAQUES 10 14 16



CONSTRUCTION SIGN DETAIL

REF: (13) A010



PLAQUE SUPPORT DETAIL

REF: (19) & (20) A010

mcmillan
pazdan
smith
ARCHITECTURE

EDIFICE
CONSTRUCTION

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

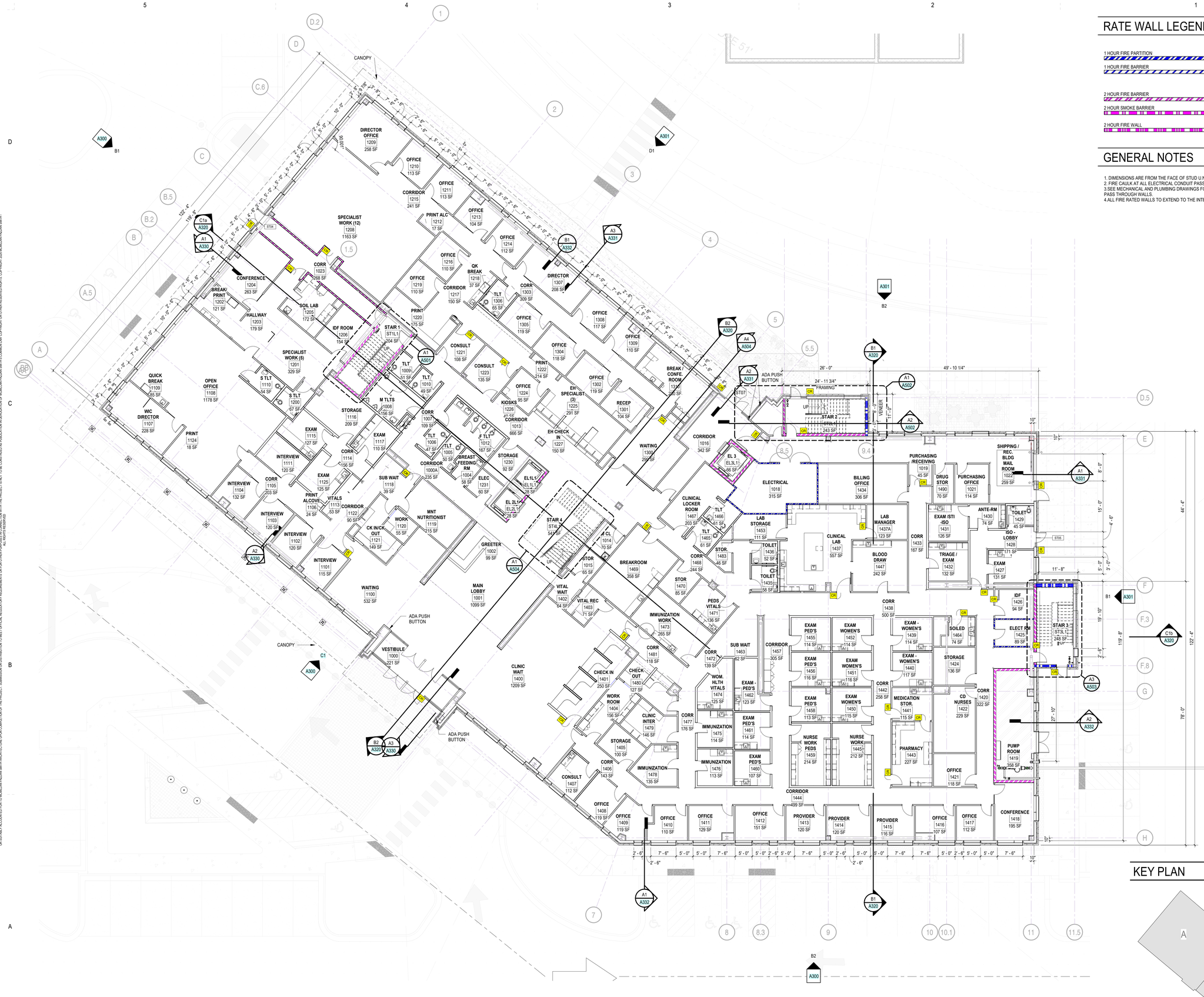
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: WP

SHEET TITLE:
SIGNS, MARKERS, AND DETAILS

SHEET NO. A012

PROJ. NO. 024370.01



A1 A110 **LEVEL 01 - OVERALL FLOOR PLAN**

3/32" = 1'-0"

RATE WALL LEGEND

1 HOUR FIRE PARTITION

1 HOUR FIRE BARRIER

2 HOUR FIRE BARRIER

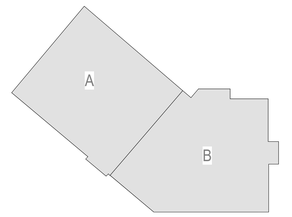
2 HOUR SMOKE BARRIER

2 HOUR FIRE WALL

GENERAL NOTES

1. DIMENSIONS ARE FROM THE FACE OF STUD U.N.O.
2. FIRE CAULK AT ALL ELECTRICAL CONDUIT PASSING THROUGH WALLS.
3. SEE MECHANICAL AND PLUMBING DRAWINGS FOR DETAIL;S WHERE DUCTWORK AND PIPING PASS THROUGH WALLS.
4. ALL FIRE RATED WALLS TO EXTEND TO THE INTERIOR FACE OF EXTERIOR WALL SYSTEM.

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 54314 NORTH CAROLINA CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17168 MARIE CONNELLY 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:

LEVEL 1 OVERALL PLAN

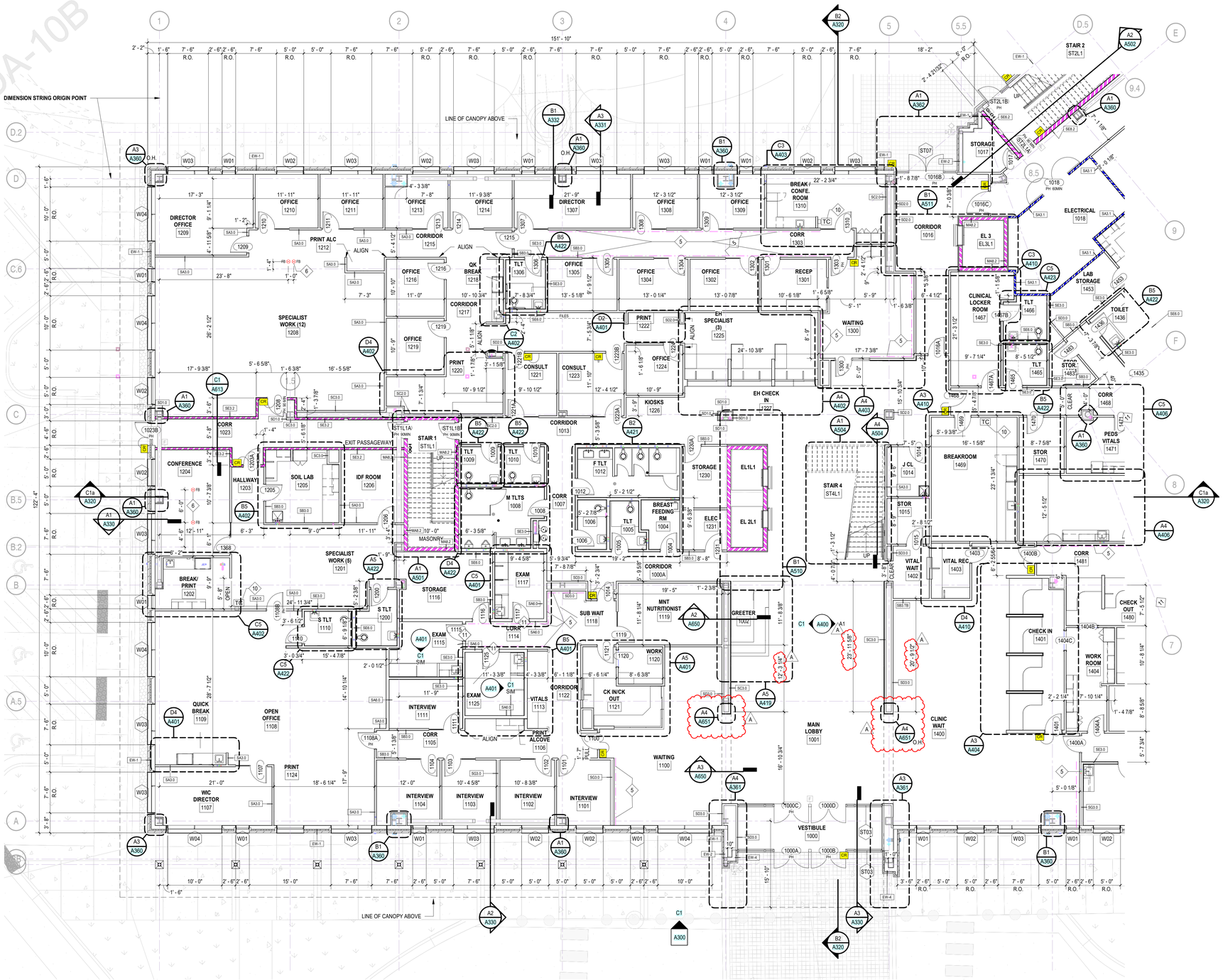
SHEET NO. A110

PROJ. NO. 024370.01

DA-10B

DIMENSION STRING ORIGIN POINT

LINE OF CANOPY ABOVE



LEVEL 01 - ANNOTATION PLAN - AREA A

A1 / A111A — 1/8" = 1'-0"

GENERAL NOTES

1. ALL WORK SHALL MEET THE MINIMUM REQUIREMENTS OF THE LATEST ADOPTED EDITIONS OF THE APPLICABLE CODES, AS INDICTED ON THIS SHEET AND ALL OTHER LOCAL, STATE OR FEDERAL CODES OR REGULATIONS HAVING JURISDICTION.
2. DO NOT SCALE DRAWINGS. CLARIFY ANY DIMENSIONAL DISCREPANCIES WITH THE ARCHITECT PRIOR TO CONTINUING WITH THE WORK.
3. CLARIFY ANY COORDINATION DISCREPANCIES BETWEEN ENGINEER DRAWINGS AND ARCHITECTURAL DRAWINGS WITH THE ARCHITECT PRIOR TO CONTINUING WITH THE WORK.
4. ALL WORK LISTED, SHOWN OR IMPLIED ON THE CONSTRUCTION DOCUMENTS SHALL BE SUPPLIED AND INSTALLED BY THE GENERAL CONTRACTOR EXCEPT WHERE OTHERWISE NOTED.

RATED WALLS LEGEND

1 HOUR FIRE PARTITION
1 HOUR FIRE BARRIER
1 HOUR SMOKE BARRIER
2 HOUR FIRE BARRIER
2 HOUR SMOKE BARRIER
2 HOUR FIRE WALL

GENERAL FLOOR PLAN NOTES

A. ALL WALLS ARE SB3 UNLESS NOTED OTHERWISE. SEE SHEET A002 FOR MORE INFORMATION ON WALL TYPES.
B. EXTERIOR DIMENSIONS ARE TO FACE OF STUD OR FACE OF CMU BACKUP OR CONCRETE WALL UNLESS NOTED OTHERWISE.
C. INTERIOR DIMENSIONS INDICATED ARE TO FACE OF STUD AND CENTERLINES OF COLUMNS, UNLESS NOTED OTHERWISE.
D. LOCATE DOOR OPENINGS 6" FROM NEAREST PERPENDICULAR WALL UNLESS NOTED OTHERWISE.
E. FIRE AND SOUND RATED WALLS/PARTITIONS TO BE CONSTRUCTED TIGHT TO STRUCTURE, PIPING, DUCTWORK AND OTHER PENETRATIONS. ALL WORK IS TO BE BRACED TO STRUCTURE ABOVE.
F. WHERE PARTITIONS OF DIFFERENT FIRE RATINGS INTERSECT, THE HIGHEST RATED PARTITION SHALL CONTINUE THROUGH. MAINTAIN PARTITION FIRE RATING BEHIND FIRE EXTINGUISHER CABINETS.
G. INSTALL BLOCKING IN PARTITIONS FOR CASEWORK, WALL MOUNTED EQUIPMENT, GRAB BARS, TRIM AND RELATED CONSTRUCTION.
H. SEE LIFE SAFETY PLANS FOR REQUIRED FIRE SEPARATION WALLS.
I. SEE A001-A003 FOR CONSTRUCTION SUBSYSTEMS.
J. SEE BUILDING ELEVATION DRAWINGS FOR LOCATION OF EXTERIOR CONTROL JOINTS.
K. CEILING SEISMIC DETAILS ARE PROVIDED TO ILLUSTRATE THE GENERAL REQUIREMENTS OF CISCA'S "GUIDELINES FOR SEISMIC RESTRAINT, ZONES 3 & 4 AND THE IBC, CHAPTER 16. CONTRACTOR IS RESPONSIBLE FOR MEETING ALL APPLICABLE PROVISIONS OF THESE STANDARDS. IN CASE OF A CONFLICT, THE MORE STRINGENT REQUIREMENT WILL BE ENFORCED.

PLAN LEGEND

- A — WINDOW / CURTAIN WALL TAG
- SA3.0 — WALL TAG
- 01 — KEYNOTE
- TC — TIME CLOCK
- AC — ATOMIC CLOCK
- CR — CARD READER
- FB — POWER/DATA FLOOR BOX SEE ELECTRICAL
- IMPACT RESISTANT GYPSUM WALL BOARD TO 48" HIGH. SEE A004 FOR SPECIFIC WALL TYPE CONSTRUCTION

DOOR TAG:

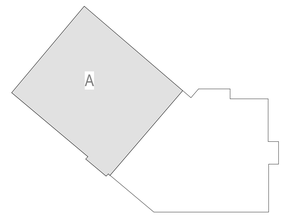
122A / 45 MIN
- FLOOR # = 1 OR 2 DIGITS
- ROOM # = 2 OR 3 DIGITS
- DOOR SEQUENCE (ALPHABETIC)
- DOOR RATING (IF SHOWN)

SHEET NOTE LEGEND

FLOOR PLAN SHEET NOTES

NUMBER	DESCRIPTION	Sheet Series
5	IMPACT RESISTANT GYPSUM BOARD WALL BOARD TO 48" HIGH. SEE A004 FOR SPECIFIC WALL TYPE CONSTRUCTION.	A1
6	FLOOR OUTLETS. SEE ELECTRICAL DRAWING FOR ADDITION INFORMATION	A1
7	ATOMIC CLOCK.	A1
8	CENTRAL DISTRIBUTION BOX- ANTENNA	A1
10	TIME CLOCK	A1
11	COORDINATE EXAM DOOR SURROUND. SEE ELEVATION B5/A419	A1

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. — CERTIFIED ARCHITECTURAL CORPORATION — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED — SEAL 37308 — KAT MARIE CONNELLY — 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/26	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: L. HOWELL

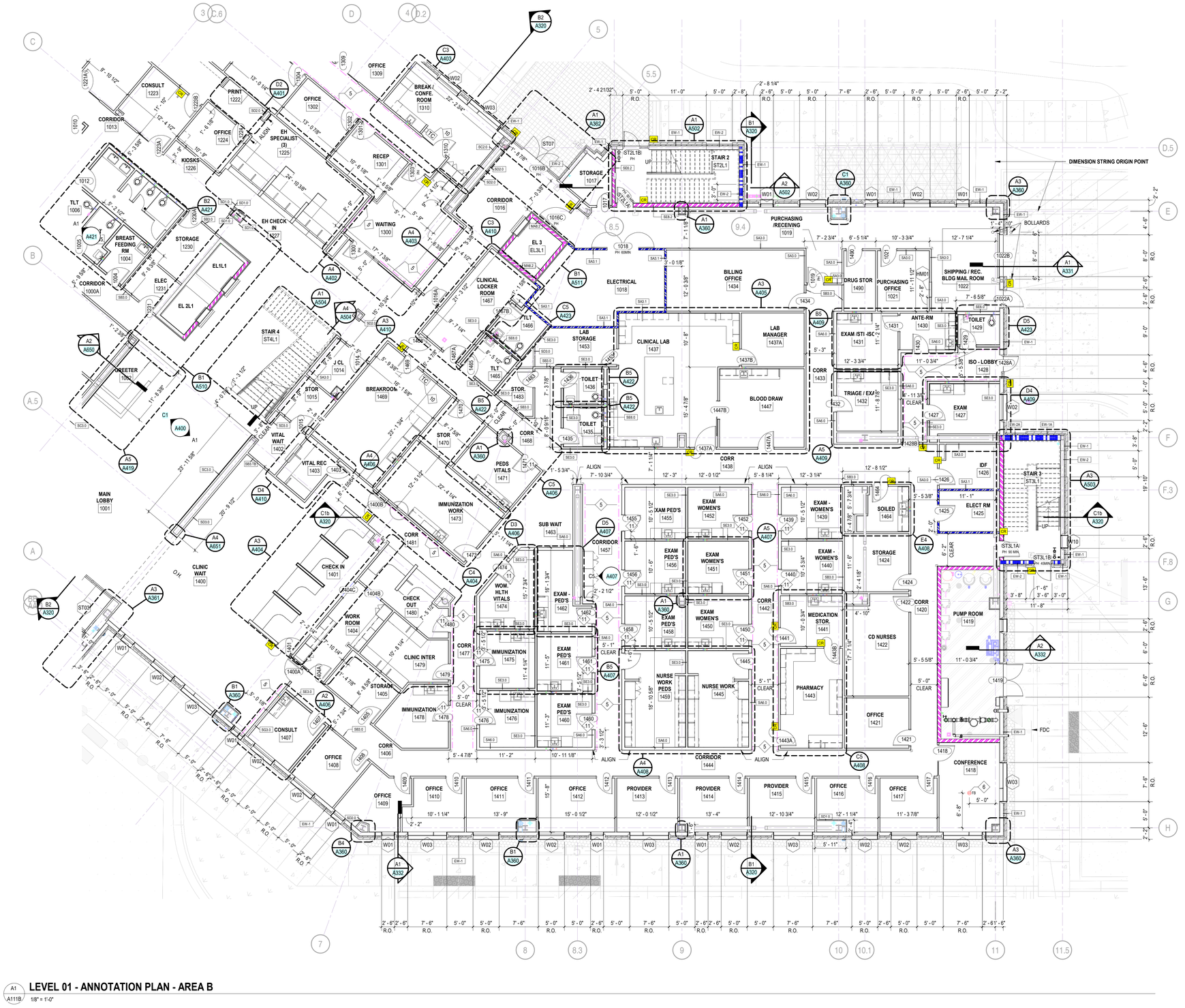
SHEET TITLE:

LEVEL 1 ANNOTATION/ DIMENSION PLAN - AREA A

SHEET NO. A111A

PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE DISCLOSED TO OTHERS FOR USE ON OTHER PROJECTS. REPRODUCTION OF THESE MATERIALS IN WHOLE OR IN PART, OR USE OF THE DESIGNS AND IDEAS CONTAINED HEREIN FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF MCMILLAN PAZDAN SMITH ARCHITECTURE IS STRICTLY FORBIDDEN AND MAY BE ENFORCED AND PROSECUTED UNDER FEDERAL COPYRIGHT LAWS. VISUAL CONTACT WITH THESE DRAWINGS OR SPECIFICATIONS SHALL CONSTITUTE PROOF OF ANY VIOLATION OF THESE RESTRICTIONS. ALL RIGHTS RESERVED



A1 / A111B **LEVEL 01 - ANNOTATION PLAN - AREA B**

1/8" = 1'-0"

GENERAL NOTES

1. ALL WORK SHALL MEET THE MINIMUM REQUIREMENTS OF THE LATEST ADOPTED EDITIONS OF THE APPLICABLE CODES, AS INDICTED ON THIS SHEET AND ALL OTHER LOCAL, STATE OR FEDERAL CODES OR REGULATIONS HAVING JURISDICTION.
2. DO NOT SCALE DRAWINGS. CLARIFY ANY DIMENSIONAL DISCREPANCIES WITH THE ARCHITECT PRIOR TO CONTINUING WITH THE WORK.
3. CLARIFY ANY COORDINATION DISCREPANCIES BETWEEN ENGINEER DRAWINGS AND ARCHITECTURAL DRAWINGS WITH THE ARCHITECT PRIOR TO CONTINUING WITH THE WORK.
4. ALL WORK LISTED, SHOWN OR IMPLIED ON THE CONSTRUCTION DOCUMENTS SHALL BE SUPPLIED AND INSTALLED BY THE GENERAL CONTRACTOR EXCEPT WHERE OTHERWISE NOTED.

RATED WALLS LEGEND

1 HOUR FIRE PARTITION

1 HOUR FIRE BARRIER

1 HOUR SMOKE BARRIER

2 HOUR FIRE BARRIER

2 HOUR SMOKE BARRIER

2 HOUR FIRE WALL

GENERAL FLOOR PLAN NOTES

A. ALL WALLS ARE SB3 UNLESS NOTED OTHERWISE. SEE SHEET A002 FOR MORE INFORMATION ON WALL TYPES.
B. EXTERIOR DIMENSIONS ARE TO FACE OF STUD OR FACE OF CMU BACKUP OR CONCRETE WALL UNLESS NOTED OTHERWISE.
C. INTERIOR DIMENSIONS INDICATED ARE TO FACE OF STUD AND CENTERLINES OF COLUMNS, UNLESS NOTED OTHERWISE.
D. LOCATE DOOR OPENINGS 6" FROM NEAREST PERPENDICULAR WALL UNLESS NOTED OTHERWISE.
E. FIRE AND SOUND RATED WALLS/PARTITIONS TO BE CONSTRUCTED TIGHT TO STRUCTURE, PIPING, DUCTWORK AND OTHER PENETRATIONS. ALL WORK IS TO BE BRACED TO STRUCTURE ABOVE.
F. WHERE PARTITIONS OF DIFFERENT FIRE RATINGS INTERSECT, THE HIGHEST RATED PARTITION SHALL CONTINUE THROUGH. MAINTAIN PARTITION FIRE RATING BEHIND FIRE EXTINGUISHER CABINETS.
G. INSTALL BLOCKING IN PARTITIONS FOR CASEWORK, WALL MOUNTED EQUIPMENT, GRAB BARS, TRIM AND RELATED CONSTRUCTION.
H. SEE LIFE SAFETY PLANS FOR REQUIRED FIRE SEPARATION WALLS.
I. SEE A001-A003 FOR CONSTRUCTION SUBSYSTEMS.
J. SEE BUILDING ELEVATION DRAWINGS FOR LOCATION OF EXTERIOR CONTROL JOINTS.
K. CEILING SEISMIC DETAILS ARE PROVIDED TO ILLUSTRATE THE GENERAL REQUIREMENTS OF CISCA'S "GUIDELINES FOR SEISMIC RESTRAINT, ZONES 3 & 4 AND THE IBC, CHAPTER 16. CONTRACTOR IS RESPONSIBLE FOR MEETING ALL APPLICABLE PROVISIONS OF THESE STANDARDS. IN CASE OF A CONFLICT, THE MORE STRINGENT REQUIREMENT WILL BE ENFORCED.

PLAN LEGEND

A	WINDOW / CURTAIN WALL TAG
SA3.0	WALL TAG
01	KEYNOTE
TC	TIME CLOCK
AC	ATOMIC CLOCK
CR	CARD READER
FB	POWER/DATA FLOOR BOX SEE ELECTRICAL
	IMPACT RESISTANT GYPSUM WALL BOARD TO 48" HIGH. SEE A004 FOR SPECIFIC WALL TYPE CONSTRUCTION

DOOR TAG:

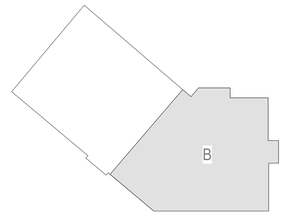
122A / 45 MIN — FLOOR # = 1 OR 2 DIGITS; ROOM # = 2 OR 3 DIGITS; DOOR SEQUENCE (ALPHABETIC); DOOR RATING (IF SHOWN)

SHEET NOTE LEGEND

FLOOR PLAN SHEET NOTES

NUMBER	DESCRIPTION	Sheet Series
5	IMPACT RESISTANT GYPSUM BOARD WALL BOARD TO 48" HIGH. SEE A004 FOR SPECIFIC WALL TYPE CONSTRUCTION.	A1
6	FLOOR OUTLETS. SEE ELECTRICAL DRAWING FOR ADDITION INFORMATION	A1
7	ATOMIC CLOCK.	A1
8	CENTRAL DISTRIBUTION BOX- ANTENNA	A1
10	TIME CLOCK	A1
11	COORDINATE EXAM DOOR SURROUND. SEE ELEVATION B5/A419	A1

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT SEAL 17165 M. MARIE CONNELLY 02/09/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: L. HOWELL

SHEET TITLE:

LEVEL 1 ANNOTATION/ DIMENSION PLAN - AREA B

SHEET NO. A111B

PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE ARE NOT TO BE USED ON ANY OTHER PROJECT. NO PART OF THESE DRAWINGS AND SPECIFICATIONS SHALL BE DISCLOSED OR USED BY ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. UPON COMPLETION OF THE PROJECT, SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

4/2/2026 11:59:13 AM Autodesk Docs://024370.00_Brunswick County Health & Human Services/ARCH_Brunswick County Health and Human Servic_R23.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2026 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

FINISH KEYNOTES

1. PROVIDE RB 2 MILLWORK BASE THIS ROOM/AREA
2. PROVIDE SCHLUTER COVE BASE DILEX AHK TO TRANSITION FLOOR TILE TO WALL TILE/TILE BASE
3. PROVIDE 6" INTEGRAL BASE THIS ROOM/AREA
4. FULL HEIGHT WALL TILE ALL WALLS THIS ROOM/AREA PORW-2 U.N.O.
5. SEE INTERIOR ELEVATION SHEETS FOR MORE INFORMATION
6. PE 2 ALL WALLS THIS ROOM/ AREA
7. PS 1 ALL WALLS THIS ROOM/ AREA
8. COORDINATE EXAM DOOR SURROUND. SEE ELEVATION B2/A419 FOR EXTENTS AND LOCATION OF PAINT
9. PEP 3 ALL WALLS THIS ROOM/AREA
10. PROVIDE 6" POR 2 BASE THIS ROOM/AREA
11. PROVIDE RB 3 AS BASE ON CUSTOMER SIDE (NON STAFF SIDE) OF THIS MILLWORK ITEM
12. PEP 4 ALL WALLS THIS ROOM/AREA

FINISH ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE	PLAM	PLASTIC LAMINATE
CG	CORNERGUARD	PS	PAINT - SEMI GLOSS
CPT	CARPET TILE	QZ	QUARTZ
CWT	CERAMIC WALL TILE	RAF	RAISED ACCESS FLOORING
DP	DECORATIVE PANEL	RB	RUBBER COVE BASE
EPY	RESINOUS FLOORING	RESP	RESIN PANEL
EPYB	RESINOUS FLOORING BASE	RS	ROLLER WINDOW SHADE
EPT	EPOXY TERRAZZO	RST	RUBBER STAIR TREAD & RISER
FRL	FIBERGLASS REINFORCED LAMINATE	SC	SEALED CONCRETE
GB	GLASS MARKER BOARD	SP	SIGNAGE PANEL
HIP	HIGH IMPACT PANEL	SS	SOLID SURFACE
HR	HANDRAIL	T	TRIM
LVT	LUXURY VINYL FLOORING	TER	TERRAZZO FLOORING
PE	PAINT - EGGSHELL FINISH	WD	WOOD CEILING
PEP	PAINT - EPOXY- EGGSHELL FINISH	WDB	WOOD BASE
PF	PAINT - FLAT	WOM	WALK OFF MAT
POR	PORCELAIN TILE	WP	WALL PROTECTION
PORB	PORCELAIN TILE BASE	WSSV	WELDED SEAM SHEET VINYL
PORW	PORCELAIN WALL TILE	WSSB	WELDED SEAM SHEET VINYL BASE

FINISH GENERAL NOTES

CEILING

A. U.N.O. ALL ACOUSTICAL CEILING TILE SHALL BE ACT 1. REFER TO REFLECTED CEILING PLANS FOR EXCEPTIONS.
B. U.N.O. ALL GYPSUM BOARD CEILINGS ARE TO RECEIVE PF-9/ CEILINGS IN WET LOCATIONS(I.E. TOILET ROOMS, TOILET SHOWER ROOMS AND PROCEDURE ROOMS TO RECEIVE PS-9. REFER TO REFLECTED CEILING PLANS FOR NOTED EXCEPTIONS FOR PAINT COLOR AND FINISH DESIGNATIONS
C. ALL CUT TEGULAR TILE IS TO BE FACTORY CUT AND FINISHED TO ENSURE CLEAN CUT AND FINISHED EDGES ON ALL EXPOSED EDGES U.N.O.
D. ALL SOUNDPLY WOOD PLANK (ACT 4) CEILINGS ARE BASED UPON USING 4'X10' PANELS AND 10' PLANKS AS THE TYPICAL UNIT OF SIZE U.N.O.

GENERAL NOTES

A. REFER TO THE PROJECT SPECIFICATIONS REGARDING INTERIOR WOOD DOOR SPECIES, CUT AND STAIN.
B. GC TO PROVIDE A MINIMUM OF 3% ATTIC STOCK OF ALL MATERIALS TO OWNER. PROVIDE MATERIALS IN UNOPENED BOXES.
C. CAULK AT BASE OF DOOR FRAME BETWEEN DOOR FRAME AND RESILIENT FLOORING TYPICAL ALL LOCATIONS. CAULK TO BE COLOR MATCHED TO MATCH DOOR FRAME PAINT COLOR
D. ALL ITEMS EXPOSED TO VIEW SHALL BE FINISHED (I.E. PAINTED, STAINED, ETC.) UNLESS PREFINISHED BY MANUFACTURER. NO UNFINISHED SURFACES WILL BE ACCEPTED U.N.O.
E. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK LEAD TIMES ON ALL FINISH ITEMS SO AS NOT TO DELAY WORK OR WORK OF OTHER TRADES.
F. U.N.O. TILES LESS THAN AN 1/3 OF A FULL PIECE OF TILE WILL NOT BE ACCEPTED. COORDINATE LAYOUT WITH ARCHITECT TO AVOID TILE "SLIVERS".
G. LOCKERS SHALL BE FACTORY FINISHED. GC TO PROVIDE ARCHITECT MANUFACTURERS FULL LINE OF COLOR/ FINISH OFFERINGS FOR SELECTION.
H. PROVIDE ROLLER SHADE AT EACH EXTERIOR WINDOW AND WINDOWS AT INTERIOR WINDOWS U.N.O. SEE FINISH LEGEND AND REFLECTED CEILING PLANS FOR MORE INFORMATION.
I. REFER TO ELECTRICAL INFORMATION FOR LIGHTING ALLOWANCES (DECORATIVE AND TASK LIGHTING) AND TYPES TO BE INCLUDED IN PRICING SET
J. PROVIDE BOBRICK LED BACKLIT MIRRORS IN ALL MULTIPLE FIXTURE PUBLIC TOILETS
K. PROVIDE BOBRICK WELDED FRAME MIRRORS AT ALL OTHER MIRROR LOCATIONS. SIZES AS SPECIFIED IN ELEVATIONS

WALLS

A. U.N.O. GYP BD. WALLS SHALL RECEIVE PE-1
B. U.N.O. ALL RECESSED WIREWAYS, ACCESS PANELS, GRILLES, ELEC PANELS AND ALL OTHER SUCH ARCHITECTURAL, ELECTRICAL AND MECHANICAL DEVICES SHALL BE FINISHED TO MATCH ADJACENT WALL OR CEILING COLOR.
C. U.N.O.ALL PAINTED HOLLOW METAL FRAMES AND DOORS SHALL RECEIVE PS-1. SEE WALL FINISH PLANS FOR NOTED EXCEPTIONS
D. REFER TO WALL FINISH PLANS AND/OR INTERIOR ELEVATIONS FOR EXTENT AND PATTERNING OF PORCELAIN AND CERAMIC WALL TILE
E. WALLS IN DATA ROOMS ARE TO RECEIVE FIRE RATED PLYWOOD, FIRE RATED PAINTED COLOR: BLACK: FINISH: FLAT
F. ON WALLS SCHEDULED TO RECEIVE PORCELAIN TILE, PROVIDE SCHLUTER FINEC TRIM PIECE ON ALL OUTSIDE CORNER U.N.O.

FLOORING

A. U.N.O. ALL AREAS RECEIVING RESILIENT FLOORING (TILE OR SHEET GOODS) AND/ OR CARPET SHALL RECEIVE RB-1.
B. FEATHER ALL FLOORING MATERIALS AS REQUIRED TO ENSURE A LEVEL TRANSITION BETWEEN MATERIALS OF VARYING THICKNESS.
C. U.N.O. TRANSITION ALL FLOOR FINISHES AT CENTER OF DOOR WHEN IN THE "CLOSED" POSITION.
D. CONTINUE ALL SCHEDULED FLOORING MATERIAL UNDER MILLWORK AND INTO ALL RECESSES U.N.O.
E. MAINTAIN UNIFORMITY OF FLOOR COVERING DIRECTION U.N.O.
F. MINIMIZE NUMBER OF SEAMS, PLACE SEAMS IN INCONSPICUOUS AND LOW TRAFFIC AREAS WHERE POSSIBLE.
G. REFERENCE FLOORING GRAINING SYMBOL FOR CORRECT INSTALLATION DIRECTION OF FLOOR GRAINING. **DO NOT FOLLOW HATCH PATTERN DIRECTION SHOWN ON PLANS.**
H. GC TO PROVIDE ARCHITECT SEAMING DIAGRAM AND INSTALLATION PLAN FOR ALL FLOORING PRIOR TO INSTALLATION OF ANY AND ALL FLOOR COVERINGS.
I. ALL SHEET RESILIENT FLOORING IS TO BE HEAT WELDED. GC TO SUBMIT MANUFACTURERS FULL LINE OF SAMPLES FOR ARCHITECT SELECTION.

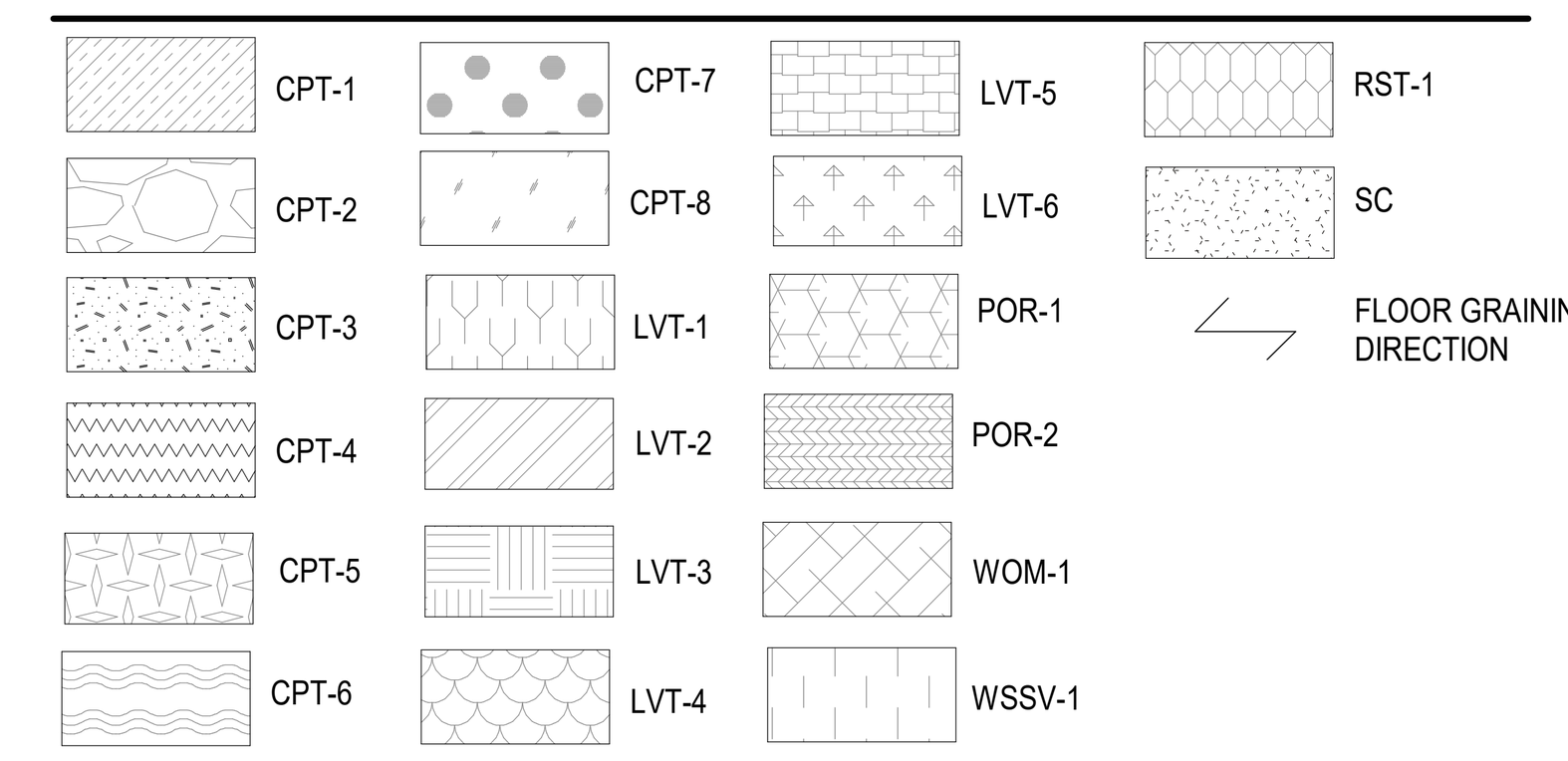
WALL PROTECTION

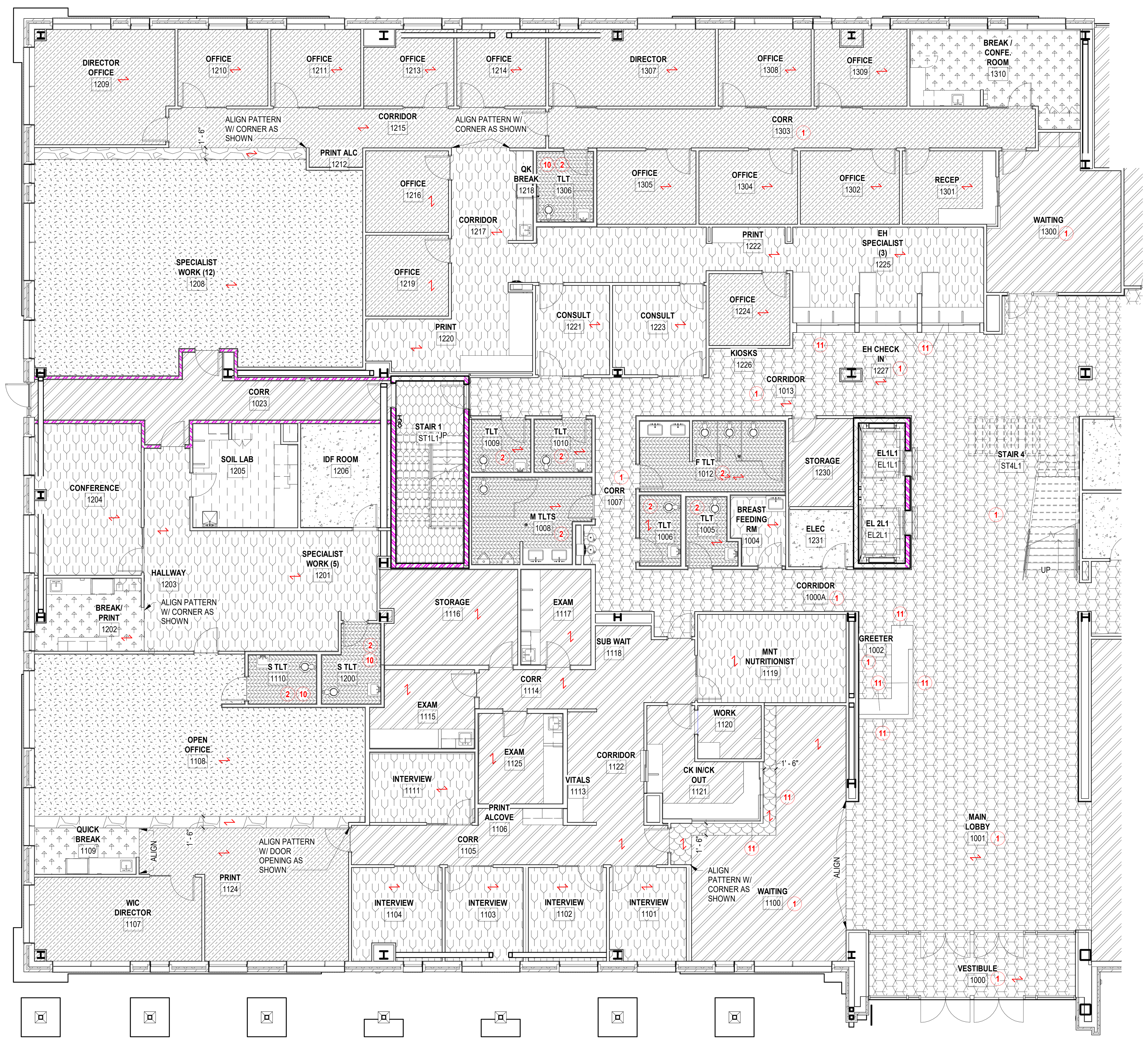
A. REFER TO WALL FINISH PLAN FOR CORNERGUARDS AND HIGH IMPACT PANEL LOCATIONS.
B. PROVIDE ALL FINISH PIECES ON ALL WALL PROTECTION PRODUCTS U.N.O.
C. PROVIDE ALL COORDINATING TRIM PIECES ON ALL HIGH IMPACT WALL PANELS. BUTT JOINT VERTICAL SEAMS AND SEAL WITH COLOR MATCH CAULK.
D. PROVIDE CORNERGUARDS AT ALL EXTERIOR CORNERS U.N.O./ CORNERGUARDS ARE NOT TO BE USED ON EXTERIOR CORNERS SCHEDULED TO RECEIVE WALL TILE U.N.O.
E. CONTRACTOR TO VERIFY ANGLE OF ALL CORNERS BEFORE PURCHASE AND INSTALLATION OF ALL CORNERGUARDS.
F. ALL CORNERGUARDS TO RUN FROM TOP OF BASE TO FINISHED CEILING U.N.O./ CORNERGUARDS ON HALF WALLS TO RUN FROM TOP OF BASE TO UNDERSIDE OF WALL CAP U.N.O.
G. DO NOT RUN WALL PROTECTION PANELS/TRIM BEHIND CASEWORK. PANELS/TRIM TO BE INSTALLED TIGHT TO THE CASEWORK (DO NOT CUT SHORT)

MILLWORK

A. U.N.O. ALL VERTICAL SURFACES OF CASEWORK/ MILLWORK TO RECEIVE PLAM-1. ALL COUNTERTOPS AND BACKSPLASHES SURFACES TO RECEIVE SS-1 OR SS-2 SEE FINISH LEGEND FOR MORE INFORMATION ON LOCATIONS / REFER TO CASEWORK/MILLWORK ELEVATIONS FOR MORE INFORMATION.
B. U.N.O. ALL WOOD GRAIN LAMINATE IS TO BE INSTALLED WITH THE GRAINING RUNNING VERTICALLY. SEE INTERIOR ELEVATIONS FOR NOTED EXCEPTIONS
C. ALL EXPOSED SURFACES OF MILLWORK TO BE COVERED WITH LAMINATE, NO MELAMINE OR UNFINISHED SURFACES WILL BE ACCEPTED.
D. GLASS LOCATED IN AND AROUND CARE TEAM STATIONS IS TO BE COUNTERSUNK IN TRANSACTION TOPS (AT BOTTOM OF PANEL) AND IN CEILING SOFFIT (AT TOP OF PANEL) TYP. U.N.O. SEE MILLWORK SECTIONS FOR MORE INFORMATION
E. PROVIDE 1" DEEP TOE KICK ON SIDES OF ALL MILLWORK PIECES THAT DO NOT TERMINATE AT WALL U.N.O./ THIS AREA IS TO RECEIVE RB. RUBBER BASE APPLIED TO PANELS WILL NOT BE ACCEPTED U.N.O./ COORDINATED HEIGHTS WITH ELEVATIONS
F. ALL SOLID SURFACE PRODUCTS ARE TO HAVE EASED EDGES TO ENSURE NO SHARP CORNERS
G. INCLUDE FIELD CUT GROMMETS IN ALL COUNTERTOPS TO ACCOMMODATE UNDERCOUNTER POWER/ COORDINATE WITH OWNER ON EXACT LOCATIONS

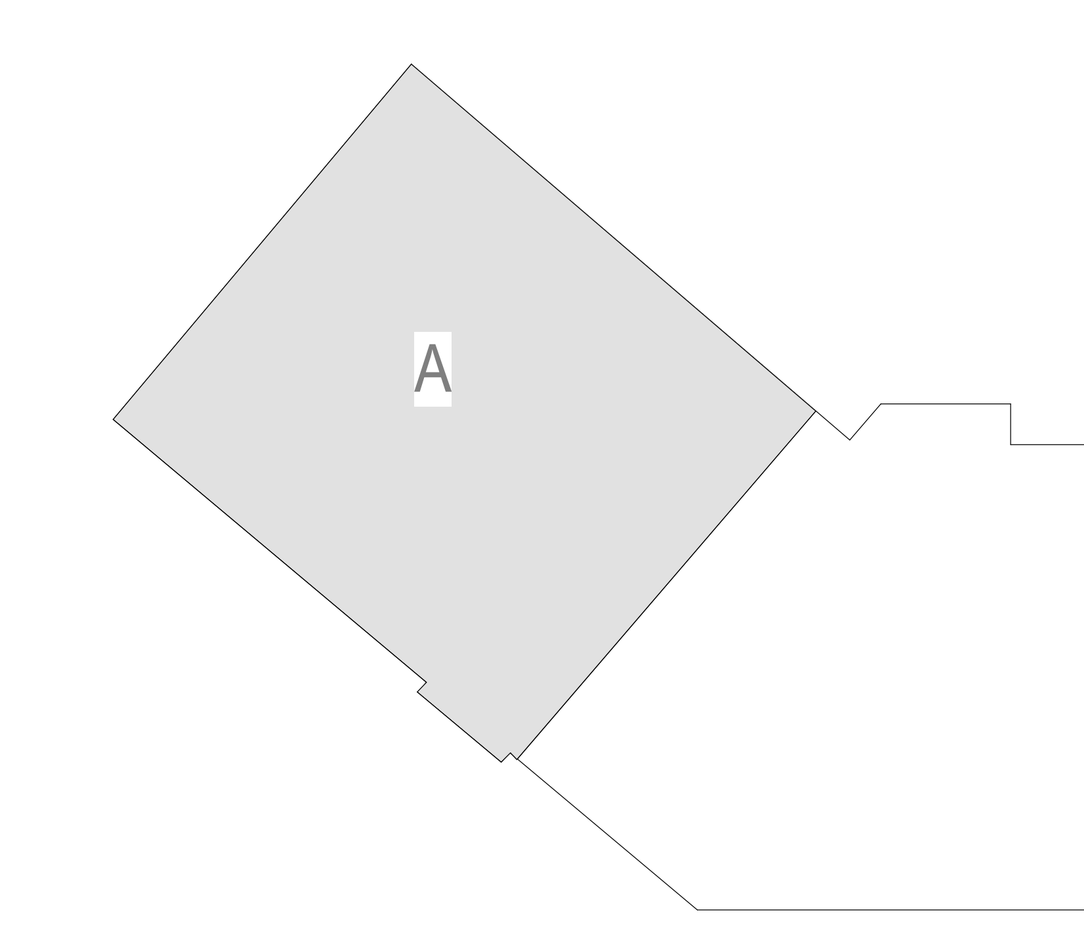
FLOOR FINISH LEGEND





A1 / A115A **LEVEL 01 - FLOOR FINISH PLAN - AREA A**
1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED ARCHITECT SEAL 17168 LISA MARIE CONNELL 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
LEVEL 1 FLOOR FINISH PLAN - AREA A

SHEET NO. A115A
PROJ. NO. 024370.01

FINISH KEYNOTES

1. PROVIDE RB 2 MILLWORK BASE THIS ROOM/AREA
2. PROVIDE SCHLUTER COVE BASE DILEX AHK TO TRANSITION FLOOR TILE TO WALL TILE/TILE BASE
3. PROVIDE 6" INTEGRAL BASE THIS ROOM/AREA
4. FULL HEIGHT WALL TILE ALL WALLS THIS ROOM/AREA PORW-2 U.N.O.
5. SEE INTERIOR ELEVATION SHEETS FOR MORE INFORMATION
6. PE 2 ALL WALLS THIS ROOM/ AREA
7. PS 1 ALL WALLS THIS ROOM/ AREA
8. COORDINATE EXAM DOOR SURROUND. SEE ELEVATION B2/A419 FOR EXTENTS AND LOCATION OF PAINT
9. PEP 3 ALL WALLS THIS ROOM/AREA
10. PROVIDE 6" POR 2 BASE THIS ROOM/AREA
11. PROVIDE RB 3 AS BASE ON CUSTOMER SIDE (NON STAFF SIDE) OF THIS MILLWORK ITEM
12. PEP 4 ALL WALLS THIS ROOM/AREA

FINISH ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE	PLAM	PLASTIC LAMINATE
CG	CORNERGUARD	PS	PAINT - SEMI GLOSS
CPT	CARPET TILE	QZ	QUARTZ
CWT	CERAMIC WALL TILE	RAF	RAISED ACCESS FLOORING
DP	DECORATIVE PANEL	RB	RUBBER COVE BASE
EPY	RESINOUS FLOORING	RESP	RESIN PANEL
EPYB	RESINOUS FLOORING BASE	RS	ROLLER WINDOW SHADE
EPT	EPOXY TERRAZZO	RST	RUBBER STAIR TREAD & RISER
FRL	FIBERGLASS REINFORCED LAMINATE	SC	SEALED CONCRETE
GB	GLASS MARKER BOARD	SP	SIGNAGE PANEL
HIP	HIGH IMPACT PANEL	SS	SOLID SURFACE
HR	HANDRAIL	T	TRIM
LVT	LUXURY VINYL FLOORING	TER	TERRAZZO FLOORING
PE	PAINT - EGGSHELL FINISH	WD	WOOD CEILING
PEP	PAINT - EPOXY- EGGSHELL FINISH	WDB	WOOD BASE
PF	PAINT - FLAT	WOM	WALK OFF MAT
POR	PORCELAIN TILE	WP	WALL PROTECTION
PORB	PORCELAIN TILE BASE	WSSV	WELDED SEAM SHEET VINYL
PORW	PORCELAIN WALL TILE	WSSB	WELDED SEAM SHEET VINYL BASE

FINISH GENERAL NOTES

CEILING

A. U.N.O. ALL ACOUSTICAL CEILING TILE SHALL BE ACT 1. REFER TO REFLECTED CEILING PLANS FOR EXCEPTIONS.
B. U.N.O. ALL GYPSUM BOARD CEILINGS ARE TO RECEIVE PF-9/ CEILINGS IN WET LOCATIONS(I.E. TOILET ROOMS, TOILET SHOWER ROOMS AND PROCEDURE ROOMS TO RECEIVE PS-9. REFER TO REFLECTED CEILING PLANS FOR NOTED EXCEPTIONS FOR PAINT COLOR AND FINISH DESIGNATIONS
C. ALL CUT TEGULAR TILE IS TO BE FACTORY CUT AND FINISHED TO ENSURE CLEAN CUT AND FINISHED EDGES ON ALL EXPOSED EDGES U.N.O.
D. ALL SOUNDPLY WOOD PLANK (ACT 4) CEILINGS ARE BASED UPON USING 4'X10' PANELS AND 10' PLANKS AS THE TYPICAL UNIT OF SIZE U.N.O.

GENERAL NOTES

A. REFER TO THE PROJECT SPECIFICATIONS REGARDING INTERIOR WOOD DOOR SPECIES, CUT AND STAIN.
B. GC TO PROVIDE A MINIMUM OF 3% ATTIC STOCK OF ALL MATERIALS TO OWNER. PROVIDE MATERIALS IN UNOPENED BOXES.
C. CAULK AT BASE OF DOOR FRAME BETWEEN DOOR FRAME AND RESILIENT FLOORING TYPICAL ALL LOCATIONS. CAULK TO BE COLOR MATCHED TO MATCH DOOR FRAME PAINT COLOR
D. ALL ITEMS EXPOSED TO VIEW SHALL BE FINISHED (I.E. PAINTED, STAINED, ETC.) UNLESS PREFINISHED BY MANUFACTURER. NO UNFINISHED SURFACES WILL BE ACCEPTED U.N.O.
E. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK LEAD TIMES ON ALL FINISH ITEMS SO AS NOT TO DELAY WORK OR WORK OF OTHER TRADES.
F. U.N.O. TILES LESS THAN AN 1/3 OF A FULL PIECE OF TILE WILL NOT BE ACCEPTED. COORDINATE LAYOUT WITH ARCHITECT TO AVOID TILE "SLIVERS".
G. LOCKERS SHALL BE FACTORY FINISHED. GC TO PROVIDE ARCHITECT MANUFACTURERS FULL LINE OF COLOR/ FINISH OFFERINGS FOR SELECTION.
H. PROVIDE ROLLER SHADE AT EACH EXTERIOR WINDOW AND WINDOWS AT INTERIOR WINDOWS U.N.O. SEE FINISH LEGEND AND REFLECTED CEILING PLANS FOR MORE INFORMATION.
I. REFER TO ELECTRICAL INFORMATION FOR LIGHTING ALLOWANCES (DECORATIVE AND TASK LIGHTING) AND TYPES TO BE INCLUDED IN PRICING SET
J. PROVIDE BOBRICK LED BACKLIT MIRRORS IN ALL MULTIPLE FIXTURE PUBLIC TOILETS
K. PROVIDE BOBRICK WELDED FRAME MIRRORS AT ALL OTHER MIRROR LOCATIONS. SIZES AS SPECIFIED IN ELEVATIONS

WALLS

A. U.N.O. GYP BD. WALLS SHALL RECEIVE PE-1
B. U.N.O. ALL RECESSED WIREWAYS, ACCESS PANELS, GRILLES, ELEC PANELS AND ALL OTHER SUCH ARCHITECTURAL, ELECTRICAL AND MECHANICAL DEVICES SHALL BE FINISHED TO MATCH ADJACENT WALL OR CEILING COLOR.
C. U.N.O.ALL PAINTED HOLLOW METAL FRAMES AND DOORS SHALL RECEIVE PS-1. SEE WALL FINISH PLANS FOR NOTED EXCEPTIONS
D. REFER TO WALL FINISH PLANS AND/OR INTERIOR ELEVATIONS FOR EXTENT AND PATTERNING OF PORCELAIN AND CERAMIC WALL TILE
E. WALLS IN DATA ROOMS ARE TO RECEIVE FIRE RATED PLYWOOD, FIRE RATED PAINTED COLOR: BLACK: FINISH: FLAT
F. ON WALLS SCHEDULED TO RECEIVE PORCELAIN TILE, PROVIDE SCHLUTER FINEC TRIM PIECE ON ALL OUTSIDE CORNER U.N.O.

FLOORING

A. U.N.O. ALL AREAS RECEIVING RESILIENT FLOORING (TILE OR SHEET GOODS) AND/ OR CARPET SHALL RECEIVE RB-1.
B. FEATHER ALL FLOORING MATERIALS AS REQUIRED TO ENSURE A LEVEL TRANSITION BETWEEN MATERIALS OF VARYING THICKNESS.
C. U.N.O. TRANSITION ALL FLOOR FINISHES AT CENTER OF DOOR WHEN IN THE "CLOSED" POSITION.
D. CONTINUE ALL SCHEDULED FLOORING MATERIAL UNDER MILLWORK AND INTO ALL RECESSES U.N.O.
E. MAINTAIN UNIFORMITY OF FLOOR COVERING DIRECTION U.N.O.
F. MINIMIZE NUMBER OF SEAMS, PLACE SEAMS IN INCONSPICUOUS AND LOW TRAFFIC AREAS WHERE POSSIBLE.
G. REFERENCE FLOORING GRAINING SYMBOL FOR CORRECT INSTALLATION DIRECTION OF FLOOR GRAINING. **DO NOT FOLLOW HATCH PATTERN DIRECTION SHOWN ON PLANS.**
H. GC TO PROVIDE ARCHITECT SEAMING DIAGRAM AND INSTALLATION PLAN FOR ALL FLOORING PRIOR TO INSTALLATION OF ANY AND ALL FLOOR COVERINGS.
I. ALL SHEET RESILIENT FLOORING IS TO BE HEAT WELDED. GC TO SUBMIT MANUFACTURERS FULL LINE OF SAMPLES FOR ARCHITECT SELECTION.

WALL PROTECTION

A. REFER TO WALL FINISH PLAN FOR CORNERGUARDS AND HIGH IMPACT PANEL LOCATIONS.
B. PROVIDE ALL FINISH PIECES ON ALL WALL PROTECTION PRODUCTS U.N.O.
C. PROVIDE ALL COORDINATING TRIM PIECES ON ALL HIGH IMPACT WALL PANELS. BUTT JOINT VERTICAL SEAMS AND SEAL WITH COLOR MATCH CAULK.
D. PROVIDE CORNERGUARDS AT ALL EXTERIOR CORNERS U.N.O./ CORNERGUARDS ARE NOT TO BE USED ON EXTERIOR CORNERS SCHEDULED TO RECEIVE WALL TILE U.N.O.
E. CONTRACTOR TO VERIFY ANGLE OF ALL CORNERS BEFORE PURCHASE AND INSTALLATION OF ALL CORNERGUARDS.
F. ALL CORNERGUARDS TO RUN FROM TOP OF BASE TO FINISHED CEILING U.N.O./ CORNERGUARDS ON HALF WALLS TO RUN FROM TOP OF BASE TO UNDERSIDE OF WALL CAP U.N.O.
G. DO NOT RUN WALL PROTECTION PANELS/TRIM BEHIND CASEWORK. PANELS/TRIM TO BE INSTALLED TIGHT TO THE CASEWORK (DO NOT CUT SHORT)

MILLWORK

A. U.N.O. ALL VERTICAL SURFACES OF CASEWORK/ MILLWORK TO RECEIVE PLAM-1. ALL COUNTERTOPS AND BACKSPLASHES SURFACES TO RECEIVE SS-1 OR SS-2 SEE FINISH LEGEND FOR MORE INFORMATION ON LOCATIONS / REFER TO CASEWORK/MILLWORK ELEVATIONS FOR MORE INFORMATION.
B. U.N.O. ALL WOOD GRAIN LAMINATE IS TO BE INSTALLED WITH THE GRAINING RUNNING VERTICALLY. SEE INTERIOR ELEVATIONS FOR NOTED EXCEPTIONS
C. ALL EXPOSED SURFACES OF MILLWORK TO BE COVERED WITH LAMINATE, NO MELAMINE OR UNFINISHED SURFACES WILL BE ACCEPTED.
D. GLASS LOCATED IN AND AROUND CARE TEAM STATIONS IS TO BE COUNTERSUNK IN TRANSACTION TOPS (AT BOTTOM OF PANEL) AND IN CEILING SOFFIT (AT TOP OF PANEL) TYP. U.N.O. SEE MILLWORK SECTIONS FOR MORE INFORMATION
E. PROVIDE 1" DEEP TOE KICK ON SIDES OF ALL MILLWORK PIECES THAT DO NOT TERMINATE AT WALL U.N.O./ THIS AREA IS TO RECEIVE RB. RUBBER BASE APPLIED TO PANELS WILL NOT BE ACCEPTED U.N.O./ COORDINATED HEIGHTS WITH ELEVATIONS
F. ALL SOLID SURFACE PRODUCTS ARE TO HAVE EASED EDGES TO ENSURE NO SHARP CORNERS
G. INCLUDE FIELD CUT GROMMETS IN ALL COUNTERTOPS TO ACCOMMODATE UNDERCOUNTER POWER/ COORDINATE WITH OWNER ON EXACT LOCATIONS

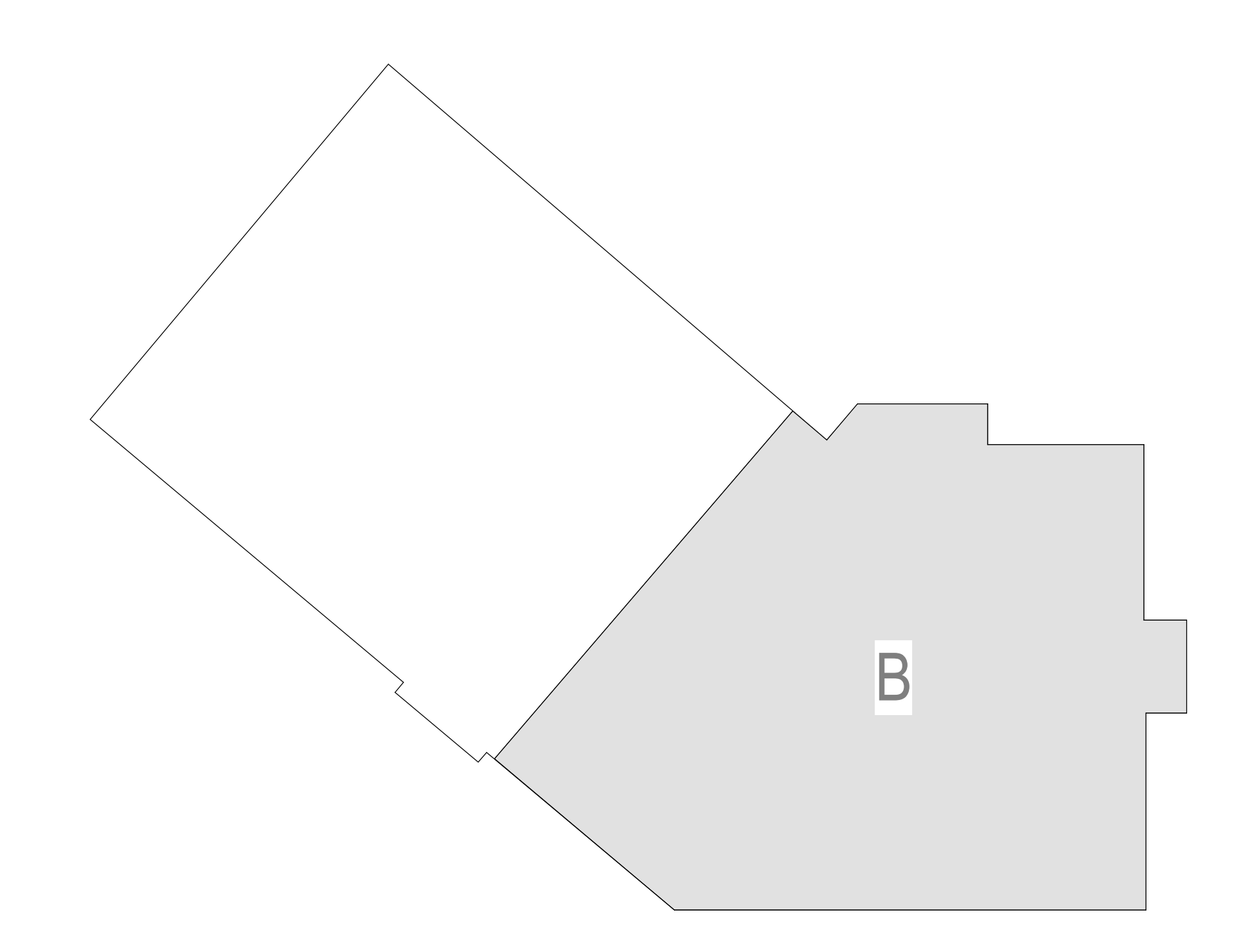
FLOOR FINISH LEGEND

CPT-1, CPT-2, CPT-3, CPT-4, CPT-5, CPT-6, CPT-7, CPT-8, LVT-1, LVT-2, LVT-3, LVT-4, LVT-5, LVT-6, POR-1, POR-2, WOM-1, WSSV-1, RST-1, SC, FLOOR GRAINING DIRECTION



A1 A115B **LEVEL 01 - FLOOR FINISH PLAN - AREA B**
1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA
NORTH CAROLINA REGISTERED ARCHITECT SEAL 17168 LISA MARIE CONNELL 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
LEVEL 1 FLOOR FINISH PLAN - AREA B

SHEET NO. A115B
PROJ. NO. 024370.01

4/2/2026 11:59:20 AM Autodesk Docs://024370.00_Brunswick County Health & Human Services/ARCH_Brunswick County Health and Human Servic_R23.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2026 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

4/2/2026 11:59:27 AM Autodesk Docs://024370.00_Brunswick County Health & Human Services/ARCH_Brunswick County Health and Human Servic_R23.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2026 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

FINISH KEYNOTES

1. PROVIDE RB 2 MILLWORK BASE THIS ROOM/AREA
2. PROVIDE SCHLUTER COVE BASE DILEX AHK TO TRANSITION FLOOR TILE TO WALL TILE/TILE BASE
3. PROVIDE 6" INTEGRAL BASE THIS ROOM/AREA
4. FULL HEIGHT WALL TILE ALL WALLS THIS ROOM/AREA PORW-2 U.N.O.
5. SEE INTERIOR ELEVATION SHEETS FOR MORE INFORMATION
6. PE 2 ALL WALLS THIS ROOM/ AREA
7. PS 1 ALL WALLS THIS ROOM/ AREA
8. COORDINATE EXAM DOOR SURROUND. SEE ELEVATION B2/A419 FOR EXTENTS AND LOCATION OF PAINT
9. PEP 3 ALL WALLS THIS ROOM/AREA
10. PROVIDE 6" POR 2 BASE THIS ROOM/AREA
11. PROVIDE RB 3 AS BASE ON CUSTOMER SIDE (NON STAFF SIDE) OF THIS MILLWORK ITEM
12. PEP 4 ALL WALLS THIS ROOM/AREA

FINISH ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE	PLAM	PLASTIC LAMINATE
CG	CORNERGUARD	PS	PAINT - SEMI GLOSS
CPT	CARPET TILE	QZ	QUARTZ
CWT	CERAMIC WALL TILE	RAF	RAISED ACCESS FLOORING
DP	DECORATIVE PANEL	RB	RUBBER COVE BASE
EPY	RESINOUS FLOORING	RESP	RESIN PANEL
EPYB	RESINOUS FLOORING BASE	RS	ROLLER WINDOW SHADE
EPT	EPOXY TERRAZZO	RST	RUBBER STAIR TREAD & RISER
FRL	FIBERGLASS REINFORCED LAMINATE	SC	SEALED CONCRETE
GB	GLASS MARKER BOARD	SP	SIGNAGE PANEL
HIP	HIGH IMPACT PANEL	SS	SOLID SURFACE
HR	HANDRAIL	T	TRIM
LVT	LUXURY VINYL FLOORING	TER	TERRAZZO FLOORING
PE	PAINT - EGGSHELL FINISH	WD	WOOD CEILING
PEP	PAINT - EPOXY- EGGSHELL FINISH	WDB	WOOD BASE
PF	PAINT - FLAT	WOM	WALK OFF MAT
POR	PORCELAIN TILE	WP	WALL PROTECTION
PORB	PORCELAIN TILE BASE	WSSV	WELDED SEAM SHEET VINYL
PORW	PORCELAIN WALL TILE	WSSB	WELDED SEAM SHEET VINYL BASE

FINISH GENERAL NOTES

CEILING

A. U.N.O. ALL ACOUSTICAL CEILING TILE SHALL BE ACT 1. REFER TO REFLECTED CEILING PLANS FOR EXCEPTIONS.
B. U.N.O. ALL GYPSUM BOARD CEILINGS ARE TO RECEIVE PF-9/ CEILINGS IN WET LOCATIONS(I.E. TOILET ROOMS, TOILET SHOWER ROOMS AND PROCEDURE ROOMS TO RECEIVE PS-9. REFER TO REFLECTED CEILING PLANS FOR NOTED EXCEPTIONS FOR PAINT COLOR AND FINISH DESIGNATIONS
C. ALL CUT TEGULAR TILE IS TO BE FACTORY CUT AND FINISHED TO ENSURE CLEAN CUT AND FINISHED EDGES ON ALL EXPOSED EDGES U.N.O.
D. ALL SOUNDPLY WOOD PLANK (ACT 4) CEILINGS ARE BASED UPON USING 4'X10' PANELS AND 10' PLANKS AS THE TYPICAL UNIT OF SIZE U.N.O.

GENERAL NOTES

A. REFER TO THE PROJECT SPECIFICATIONS REGARDING INTERIOR WOOD DOOR SPECIES, CUT AND STAIN.
B. GC TO PROVIDE A MINIMUM OF 3% ATTIC STOCK OF ALL MATERIALS TO OWNER. PROVIDE MATERIALS IN UNOPENED BOXES.
C. CAULK AT BASE OF DOOR FRAME BETWEEN DOOR FRAME AND RESILIENT FLOORING TYPICAL ALL LOCATIONS. CAULK TO BE COLOR MATCHED TO MATCH DOOR FRAME PAINT COLOR
D. ALL ITEMS EXPOSED TO VIEW SHALL BE FINISHED (I.E. PAINTED, STAINED, ETC.) UNLESS PREFINISHED BY MANUFACTURER. NO UNFINISHED SURFACES WILL BE ACCEPTED U.N.O.
E. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK LEAD TIMES ON ALL FINISH ITEMS SO AS NOT TO DELAY WORK OR WORK OF OTHER TRADES.
F. U.N.O. TILES LESS THAN AN 1/3 OF A FULL PIECE OF TILE WILL NOT BE ACCEPTED. COORDINATE LAYOUT WITH ARCHITECT TO AVOID TILE "SLIVERS".
G. LOCKERS SHALL BE FACTORY FINISHED. GC TO PROVIDE ARCHITECT MANUFACTURERS FULL LINE OF COLOR/ FINISH OFFERINGS FOR SELECTION.
H. PROVIDE ROLLER SHADE AT EACH EXTERIOR WINDOW AND WINDOWS AT INTERIOR WINDOWS U.N.O. SEE FINISH LEGEND AND REFLECTED CEILING PLANS FOR MORE INFORMATION.
I. REFER TO ELECTRICAL INFORMATION FOR LIGHTING ALLOWANCES (DECORATIVE AND TASK LIGHTING) AND TYPES TO BE INCLUDED IN PRICING SET
J. PROVIDE BOBRICK LED BACKLIT MIRRORS IN ALL MULTIPLE FIXTURE PUBLIC TOILETS
K. PROVIDE BOBRICK WELDED FRAME MIRRORS AT ALL OTHER MIRROR LOCATIONS. SIZES AS SPECIFIED IN ELEVATIONS

WALLS

A. U.N.O. GYP BD. WALLS SHALL RECEIVE PE-1
B. U.N.O. ALL RECESSED WIREWAYS, ACCESS PANELS, GRILLES, ELEC PANELS AND ALL OTHER SUCH ARCHITECTURAL, ELECTRICAL AND MECHANICAL DEVICES SHALL BE FINISHED TO MATCH ADJACENT WALL OR CEILING COLOR.
C. U.N.O.ALL PAINTED HOLLOW METAL FRAMES AND DOORS SHALL RECEIVE PS-1. SEE WALL FINISH PLANS FOR NOTED EXCEPTIONS
D. REFER TO WALL FINISH PLANS AND/OR INTERIOR ELEVATIONS FOR EXTENT AND PATTERNING OF PORCELAIN AND CERAMIC WALL TILE
E. WALLS IN DATA ROOMS ARE TO RECEIVE FIRE RATED PLYWOOD, FIRE RATED PAINTED COLOR: BLACK: FINISH: FLAT
F. ON WALLS SCHEDULED TO RECEIVE PORCELAIN TILE, PROVIDE SCHLUTER FINEC TRIM PIECE ON ALL OUTSIDE CORNER U.N.O.

FLOORING

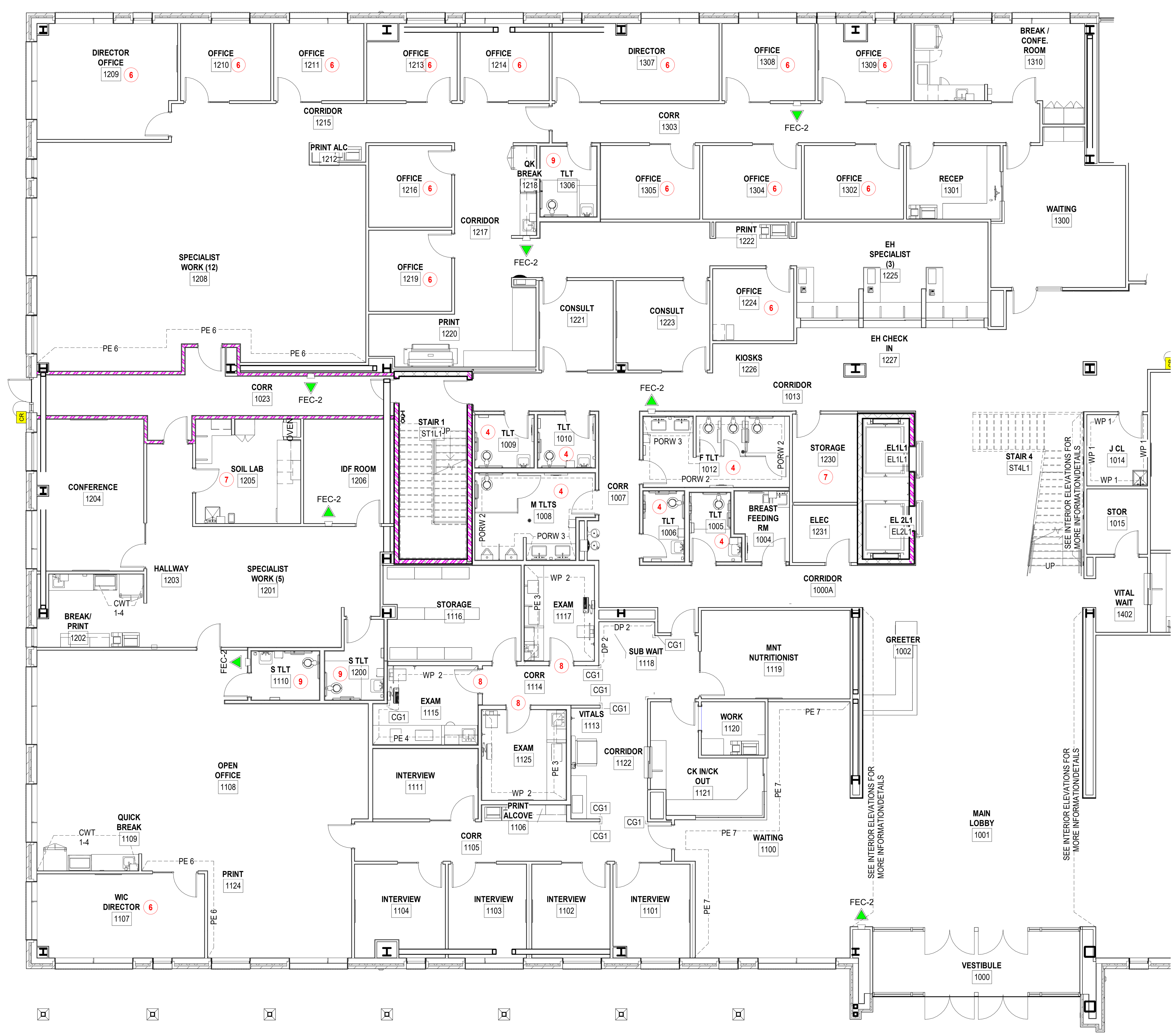
A. U.N.O. ALL AREAS RECEIVING RESILIENT FLOORING (TILE OR SHEET GOODS) AND/ OR CARPET SHALL RECEIVE RB-1.
B. FEATHER ALL FLOORING MATERIALS AS REQUIRED TO ENSURE A LEVEL TRANSITION BETWEEN MATERIALS OF VARYING THICKNESS.
C. U.N.O. TRANSITION ALL FLOOR FINISHES AT CENTER OF DOOR WHEN IN THE "CLOSED" POSITION.
D. CONTINUE ALL SCHEDULED FLOORING MATERIAL UNDER MILLWORK AND INTO ALL RECESSES U.N.O.
E. MAINTAIN UNIFORMITY OF FLOOR COVERING DIRECTION U.N.O.
F. MINIMIZE NUMBER OF SEAMS, PLACE SEAMS IN INCONSPICUOUS AND LOW TRAFFIC AREAS WHERE POSSIBLE.
G. REFERENCE FLOORING GRAINING SYMBOL FOR CORRECT INSTALLATION DIRECTION OF FLOOR GRAINING. **DO NOT FOLLOW HATCH PATTERN DIRECTION SHOWN ON PLANS.**
H. GC TO PROVIDE ARCHITECT SEAMING DIAGRAM AND INSTALLATION PLAN FOR ALL FLOORING PRIOR TO INSTALLATION OF ANY AND ALL FLOOR COVERINGS.
I. ALL SHEET RESILIENT FLOORING IS TO BE HEAT WELDED. GC TO SUBMIT MANUFACTURERS FULL LINE OF SAMPLES FOR ARCHITECT SELECTION.

WALL PROTECTION

A. REFER TO WALL FINISH PLAN FOR CORNERGUARDS AND HIGH IMPACT PANEL LOCATIONS.
B. PROVIDE ALL FINISH PIECES ON ALL WALL PROTECTION PRODUCTS U.N.O.
C. PROVIDE ALL COORDINATING TRIM PIECES ON ALL HIGH IMPACT WALL PANELS. BUTT JOINT VERTICAL SEAMS AND SEAL WITH COLOR MATCH CAULK.
D. PROVIDE CORNERGUARDS AT ALL EXTERIOR CORNERS U.N.O./ CORNERGUARDS ARE NOT TO BE USED ON EXTERIOR CORNERS SCHEDULED TO RECEIVE WALL TILE U.N.O.
E. CONTRACTOR TO VERIFY ANGLE OF ALL CORNERS BEFORE PURCHASE AND INSTALLATION OF ALL CORNERGUARDS.
F. ALL CORNERGUARDS TO RUN FROM TOP OF BASE TO FINISHED CEILING U.N.O./ CORNERGUARDS ON HALF WALLS TO RUN FROM TOP OF BASE TO UNDERSIDE OF WALL CAP U.N.O.
G. DO NOT RUN WALL PROTECTION PANELS/TRIM BEHIND CASEWORK. PANELS/TRIM TO BE INSTALLED TIGHT TO THE CASEWORK (DO NOT CUT SHORT)

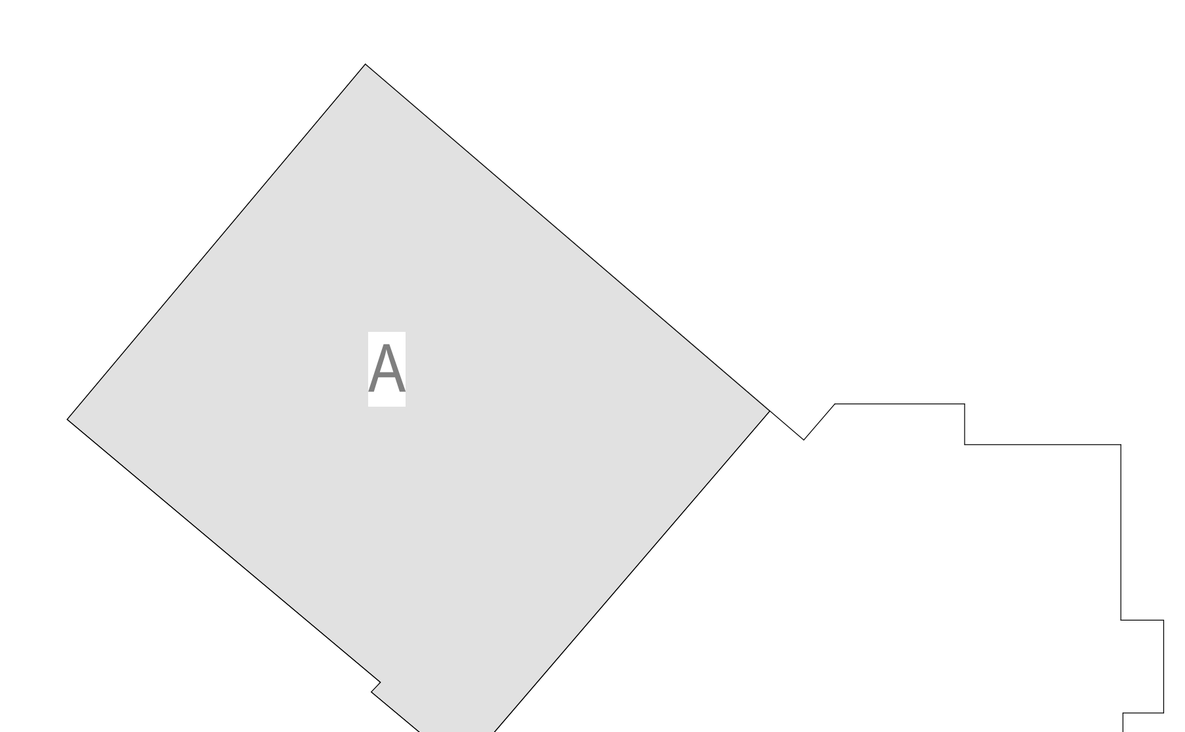
MILLWORK

A. U.N.O. ALL VERTICAL SURFACES OF CASEWORK/ MILLWORK TO RECEIVE PLAM-1. ALL COUNTERTOPS AND BACKSPLASHES SURFACES TO RECEIVE SS-1 OR SS-2 SEE FINISH LEGEND FOR MORE INFORMATION ON LOCATIONS / REFER TO CASEWORK/MILLWORK ELEVATIONS FOR MORE INFORMATION.
B. U.N.O. ALL WOOD GRAIN LAMINATE IS TO BE INSTALLED WITH THE GRAINING RUNNING VERTICALLY. SEE INTERIOR ELEVATIONS FOR NOTED EXCEPTIONS
C. ALL EXPOSED SURFACES OF MILLWORK TO BE COVERED WITH LAMINATE, NO MELAMINE OR UNFINISHED SURFACES WILL BE ACCEPTED.
D. GLASS LOCATED IN AND AROUND CARE TEAM STATIONS IS TO BE COUNTERSUNK IN TRANSACTION TOPS (AT BOTTOM OF PANEL) AND IN CEILING SOFFIT (AT TOP OF PANEL) TYP. U.N.O. SEE MILLWORK SECTIONS FOR MORE INFORMATION
E. PROVIDE 1" DEEP TOE KICK ON SIDES OF ALL MILLWORK PIECES THAT DO NOT TERMINATE AT WALL U.N.O./ THIS AREA IS TO RECEIVE RB. RUBBER BASE APPLIED TO PANELS WILL NOT BE ACCEPTED U.N.O./ COORDINATED HEIGHTS WITH ELEVATIONS
F. ALL SOLID SURFACE PRODUCTS ARE TO HAVE EASED EDGES TO ENSURE NO SHARP CORNERS
G. INCLUDE FIELD CUT GROMMETS IN ALL COUNTERTOPS TO ACCOMMODATE UNDERCOUNTER POWER/ COORDINATE WITH OWNER ON EXACT LOCATIONS



A1 / A116A **LEVEL 01 - WALL FINISH PLAN - AREA A**
1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 54314 NORTH CAROLINA CHARLOTTE, NORTH CAROLINA
NORTH CAROLINA REGISTERED SEAL 17168 ARCHITECT LISA MARIE CONNELL
02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
LEVEL 1 WALL FINISH PLAN - AREA A

SHEET NO. A116A
PROJ. NO. 024370.01

FINISH KEYNOTES

1. PROVIDE RB 2 MILLWORK BASE THIS ROOM/AREA
2. PROVIDE SCHLUTER COVE BASE DILEX AHK TO TRANSITION FLOOR TILE TO WALL TILE/TILE BASE
3. PROVIDE 6" INTEGRAL BASE THIS ROOM/AREA
4. FULL HEIGHT WALL TILE ALL WALLS THIS ROOM/AREA PORW-2 U.N.O.
5. SEE INTERIOR ELEVATION SHEETS FOR MORE INFORMATION
6. PE 2 ALL WALLS THIS ROOM/ AREA
7. PS 1 ALL WALLS THIS ROOM/ AREA
8. COORDINATE EXAM DOOR SURROUND. SEE ELEVATION B2/A419 FOR EXTENTS AND LOCATION OF PAINT
9. PEP 3 ALL WALLS THIS ROOM/AREA
10. PROVIDE 6" POR 2 BASE THIS ROOM/AREA
11. PROVIDE RB 3 AS BASE ON CUSTOMER SIDE (NON STAFF SIDE) OF THIS MILLWORK ITEM
12. PEP 4 ALL WALLS THIS ROOM/AREA

FINISH ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE
CG	CORNERGUARD
CPT	CARPET TILE
CWT	CERAMIC WALL TILE
DP	DECORATIVE PANEL
EPY	RESINOUS FLOORING
EPYB	RESINOUS FLOORING BASE
EPT	EPOXY TERRAZZO
FRL	FIBERGLASS REINFORCED LAMINATE
GB	GLASS MARKER BOARD
HIP	HIGH IMPACT PANEL
HR	HANDRAIL
LVT	LUXURY VINYL FLOORING
PE	PAINT - EGGSHELL FINISH
PEP	PAINT - EPOXY- EGGSHELL FINISH
PF	PAINT - FLAT
POR	PORCELAIN TILE
PORB	PORCELAIN TILE BASE
PORW	PORCELAIN WALL TILE
PLAM	PLASTIC LAMINATE
PS	PAINT - SEMI GLOSS
QZ	QUARTZ
RAF	RAISED ACCESS FLOORING
RB	RUBBER COVE BASE
RESP	RESIN PANEL
RS	ROLLER WINDOW SHADE
RST	RUBBER STAIR TREAD & RISER
SC	SEALED CONCRETE
SP	SIGNAGE PANEL
SS	SOLID SURFACE
T	TRIM
TER	TERRAZZO FLOORING
WD	WOOD CEILING
WDB	WOOD BASE
WOM	WALK OFF MAT
WP	WALL PROTECTION
WSSV	WELDED SEAM SHEET VINYL
WSSB	WELDED SEAM SHEET VINYL BASE

FINISH GENERAL NOTES

CEILING

A. U.N.O. ALL ACOUSTICAL CEILING TILE SHALL BE ACT 1. REFER TO REFLECTED CEILING PLANS FOR EXCEPTIONS.
B. U.N.O. ALL GYPSUM BOARD CEILINGS ARE TO RECEIVE PF-9/ CEILINGS IN WET LOCATIONS(I.E. TOILET ROOMS, TOILET SHOWER ROOMS AND PROCEDURE ROOMS TO RECEIVE PS-9. REFER TO REFLECTED CEILING PLANS FOR NOTED EXCEPTIONS FOR PAINT COLOR AND FINISH DESIGNATIONS
C. ALL CUT TEGULAR TILE IS TO BE FACTORY CUT AND FINISHED TO ENSURE CLEAN CUT AND FINISHED EDGES ON ALL EXPOSED EDGES U.N.O.
D. ALL SOUNDPLY WOOD PLANK (ACT 4) CEILINGS ARE BASED UPON USING 4'X10' PANELS AND 10' PLANKS AS THE TYPICAL UNIT OF SIZE U.N.O.

GENERAL NOTES

A. REFER TO THE PROJECT SPECIFICATIONS REGARDING INTERIOR WOOD DOOR SPECIES, CUT AND STAIN.
B. GC TO PROVIDE A MINIMUM OF 3% ATTIC STOCK OF ALL MATERIALS TO OWNER. PROVIDE MATERIALS IN UNOPENED BOXES.
C. CAULK AT BASE OF DOOR FRAME BETWEEN DOOR FRAME AND RESILIENT FLOORING TYPICAL ALL LOCATIONS. CAULK TO BE COLOR MATCHED TO MATCH DOOR FRAME PAINT COLOR
D. ALL ITEMS EXPOSED TO VIEW SHALL BE FINISHED (I.E. PAINTED, STAINED, ETC.) UNLESS PREFINISHED BY MANUFACTURER. NO UNFINISHED SURFACES WILL BE ACCEPTED U.N.O.
E. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK LEAD TIMES ON ALL FINISH ITEMS SO AS NOT TO DELAY WORK OR WORK OF OTHER TRADES.
F. U.N.O. TILES LESS THAN AN 1/3 OF A FULL PIECE OF TILE WILL NOT BE ACCEPTED. COORDINATE LAYOUT WITH ARCHITECT TO AVOID TILE "SLIVERS".
G. LOCKERS SHALL BE FACTORY FINISHED. GC TO PROVIDE ARCHITECT MANUFACTURERS FULL LINE OF COLOR/ FINISH OFFERINGS FOR SELECTION.
H. PROVIDE ROLLER SHADE AT EACH EXTERIOR WINDOW AND WINDOWS AT INTERIOR WINDOWS U.N.O. SEE FINISH LEGEND AND REFLECTED CEILING PLANS FOR MORE INFORMATION.
I. REFER TO ELECTRICAL INFORMATION FOR LIGHTING ALLOWANCES (DECORATIVE AND TASK LIGHTING) AND TYPES TO BE INCLUDED IN PRICING SET
J. PROVIDE BOBRICK LED BACKLIT MIRRORS IN ALL MULTIPLE FIXTURE PUBLIC TOILETS.
K. PROVIDE BOBRICK WELDED FRAME MIRRORS AT ALL OTHER MIRROR LOCATIONS. SIZES AS SPECIFIED IN ELEVATIONS

WALLS

A. U.N.O. GYP BD. WALLS SHALL RECEIVE PE-1
B. U.N.O. ALL RECESSED WIREWAYS, ACCESS PANELS, GRILLES, ELEC PANELS AND ALL OTHER SUCH ARCHITECTURAL, ELECTRICAL AND MECHANICAL DEVICES SHALL BE FINISHED TO MATCH ADJACENT WALL OR CEILING COLOR.
C. U.N.O.ALL PAINTED HOLLOW METAL FRAMES AND DOORS SHALL RECEIVE PS-1. SEE WALL FINISH PLANS FOR NOTED EXCEPTIONS
D. REFER TO WALL FINISH PLANS AND/OR INTERIOR ELEVATIONS FOR EXTENT AND PATTERNING OF PORCELAIN AND CERAMIC WALL TILE
E. WALLS IN DATA ROOMS ARE TO RECEIVE FIRE RATED PLYWOOD, FIRE RATED PAINTED COLOR: BLACK: FINISH: FLAT
F. ON WALLS SCHEDULED TO RECEIVE PORCELAIN TILE, PROVIDE SCHLUTER FINEC TRIM PIECE ON ALL OUTSIDE CORNER U.N.O.

FLOORING

A. U.N.O. ALL AREAS RECEIVING RESILIENT FLOORING (TILE OR SHEET GOODS) AND/ OR CARPET SHALL RECEIVE RB-1.
B. FEATHER ALL FLOORING MATERIALS AS REQUIRED TO ENSURE A LEVEL TRANSITION BETWEEN MATERIALS OF VARYING THICKNESS.
C. U.N.O. TRANSITION ALL FLOOR FINISHES AT CENTER OF DOOR WHEN IN THE "CLOSED" POSITION.
D. CONTINUE ALL SCHEDULED FLOORING MATERIAL UNDER MILLWORK AND INTO ALL RECESSES U.N.O.
E. MAINTAIN UNIFORMITY OF FLOOR COVERING DIRECTION U.N.O.
F. MINIMIZE NUMBER OF SEAMS. PLACE SEAMS IN INCONSPICUOUS AND LOW TRAFFIC AREAS WHERE POSSIBLE.
G. REFERENCE FLOORING GRAINING SYMBOL FOR CORRECT INSTALLATION DIRECTION OF FLOOR GRAINING. **DO NOT FOLLOW HATCH PATTERN DIRECTION SHOWN ON PLANS.**
H. GC TO PROVIDE ARCHITECT SEAMING DIAGRAM AND INSTALLATION PLAN FOR ALL FLOORING PRIOR TO INSTALLATION OF ANY AND ALL FLOOR COVERINGS.
I. ALL SHEET RESILIENT FLOORING IS TO BE HEAT WELDED. GC TO SUBMIT MANUFACTURERS FULL LINE OF SAMPLES FOR ARCHITECT SELECTION.

WALL PROTECTION

A. REFER TO WALL FINISH PLAN FOR CORNERGUARDS AND HIGH IMPACT PANEL LOCATIONS.
B. PROVIDE ALL FINISH PIECES ON ALL WALL PROTECTION PRODUCTS U.N.O.
C. PROVIDE ALL COORDINATING TRIM PIECES ON ALL HIGH IMPACT WALL PANELS. BUTT JOINT VERTICAL SEAMS AND SEAL WITH COLOR MATCH CAULK.
D. PROVIDE CORNERGUARDS AT ALL EXTERIOR CORNERS U.N.O./ CORNERGUARDS ARE NOT TO BE USED ON EXTERIOR CORNERS SCHEDULED TO RECEIVE WALL TILE U.N.O.
E. CONTRACTOR TO VERIFY ANGLE OF ALL CORNERS BEFORE PURCHASE AND INSTALLATION OF ALL CORNERGUARDS.
F. ALL CORNERGUARDS TO RUN FROM TOP OF BASE TO FINISHED CEILING U.N.O./ CORNERGUARDS ON HALF WALLS TO RUN FROM TOP OF BASE TO UNDERSIDE OF WALL CAP U.N.O.
G. DO NOT RUN WALL PROTECTION PANELS/TRIM BEHIND CASEWORK. PANELS/TRIM TO BE INSTALLED TIGHT TO THE CASEWORK (DO NOT CUT SHORT)

MILLWORK

A. U.N.O. ALL VERTICAL SURFACES OF CASEWORK/ MILLWORK TO RECEIVE PLAM-1. ALL COUNTERTOPS AND BACKSPLASHES SURFACES TO RECEIVE SS-1 OR SS-2 SEE FINISH LEGEND FOR MORE INFORMATION ON LOCATIONS / REFER TO CASEWORK/MILLWORK ELEVATIONS FOR MORE INFORMATION.
B. U.N.O. ALL WOOD GRAIN LAMINATE IS TO BE INSTALLED WITH THE GRAINING RUNNING VERTICALLY. SEE INTERIOR ELEVATIONS FOR NOTED EXCEPTIONS
C. ALL EXPOSED SURFACES OF MILLWORK TO BE COVERED WITH LAMINATE, NO MELAMINE OR UNFINISHED SURFACES WILL BE ACCEPTED.
D. GLASS LOCATED IN AND AROUND CARE TEAM STATIONS IS TO BE COUNTERSUNK IN TRANSACTION TOPS (AT BOTTOM OF PANEL) AND IN CEILING SOFFIT (AT TOP OF PANEL) TYP. U.N.O. SEE MILLWORK SECTIONS FOR MORE INFORMATION
E. PROVIDE 1" DEEP TOE KICK ON SIDES OF ALL MILLWORK PIECES THAT DO NOT TERMINATE AT WALL U.N.O./ THIS AREA IS TO RECEIVE RB. RUBBER BASE APPLIED TO PANELS WILL NOT BE ACCEPTED U.N.O./ COORDINATED HEIGHTS WITH ELEVATIONS
F. ALL SOLID SURFACE PRODUCTS ARE TO HAVE EASED EDGES TO ENSURE NO SHARP CORNERS
G. INCLUDE FIELD CUT GROMMETS IN ALL COUNTERTOPS TO ACCOMMODATE UNDERCOUNTER POWER/ COORDINATE WITH OWNER ON EXACT LOCATIONS

KEY PLAN

PROJECT NORTH

A1 / A116B — **LEVEL 01 - WALL FINISH PLAN - AREA B**
1/8" = 1'-0"

mcmillan pazdan smith ARCHITECTURE
EDIFICE CONSTRUCTION
MPS ARCHITECTS, PC — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA
NORTH CAROLINA REGISTERED — SEAL 17166 — MARIE CONNOLLY — 02/09/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
LEVEL 1 WALL FINISH PLAN - AREA B

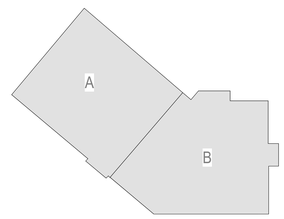
SHEET NO. A116B
PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE DOCUMENTS ARE NOT TO BE USED ON ANY PROJECT OTHER THAN THE PROJECT FOR WHICH THEY HAVE BEEN PREPARED WITHOUT THE EXPRESS WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. © COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED



FOR REFERENCE ONLY

KEY PLAN



PROJECT NORTH

LEVEL 01 - FFE PLAN
A1 / A119
3/32" = 1'-0"

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON THE PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT WITH THE EXCEPTION OF THE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR DESTROYED, ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERT. NO. 54314 REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 37165 MARIE COMMINGS 02/09/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

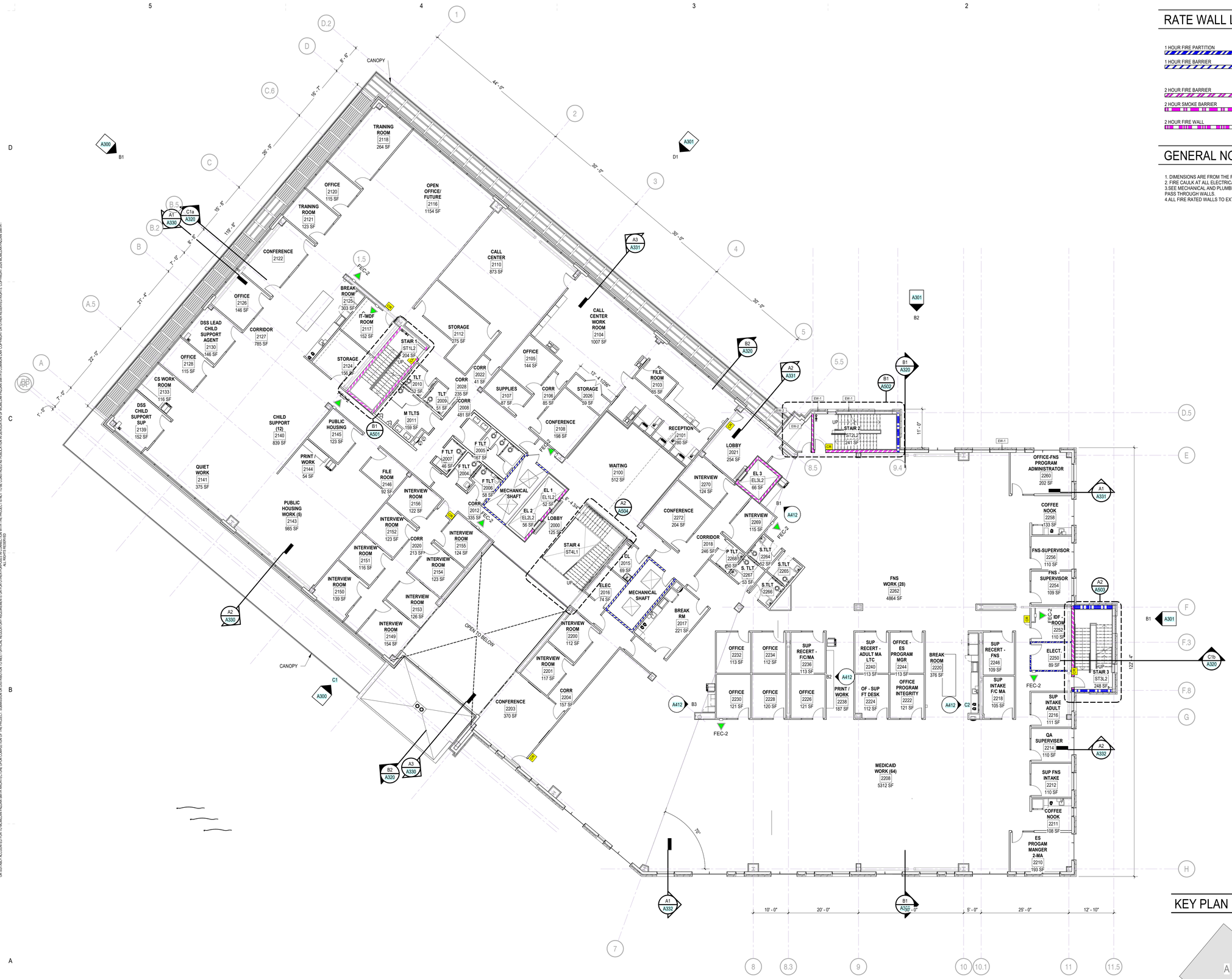
NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
LEVEL 1 FFE PLAN

SHEET NO. A119

PROJ. NO. 024370.01



A1 A120 **LEVEL 02 - OVERALL FLOOR PLAN**

3/32" = 1'-0"

RATE WALL LEGEND

1 HOUR FIRE PARTITION

1 HOUR FIRE BARRIER

2 HOUR FIRE BARRIER

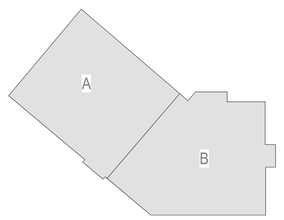
2 HOUR SMOKE BARRIER

2 HOUR FIRE WALL

GENERAL NOTES

1. DIMENSIONS ARE FROM THE FACE OF STUD U.N.O.
2. FIRE CAULK AT ALL ELECTRICAL CONDUIT PASSING THROUGH WALLS.
3. SEE MECHANICAL AND PLUMBING DRAWINGS FOR DETAIL;S WHERE DUCTWORK AND PIPING PASS THROUGH WALLS.
4. ALL FIRE RATED WALLS TO EXTEND TO THE INTERIOR FACE OF EXTERIOR WALL SYSTEM.

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 54314 NORTH CAROLINA CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17168 LA MARIE CONNELLY 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

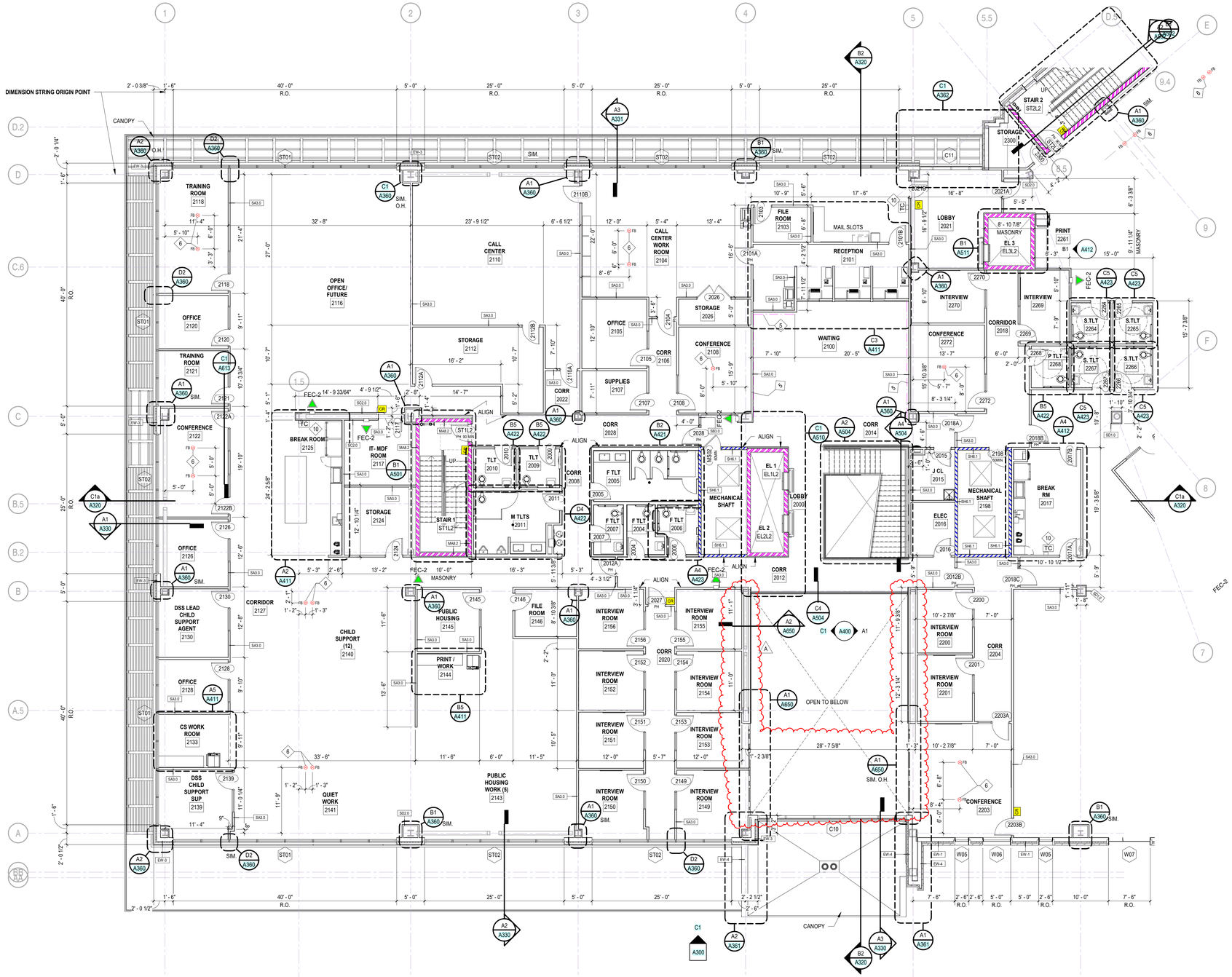
PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:

LEVEL 2 OVERALL PLAN

SHEET NO. A120

PROJ. NO. 024370.01



A1 / A121A **LEVEL 02 - ANNOTATION PLAN - AREA A**

1/8" = 1'-0"

GENERAL NOTES

1. ALL WORK SHALL MEET THE MINIMUM REQUIREMENTS OF THE LATEST ADOPTED EDITIONS OF THE APPLICABLE CODES, AS INDICTED ON THIS SHEET AND ALL OTHER LOCAL, STATE OR FEDERAL CODES OR REGULATIONS HAVING JURISDICTION.
2. DO NOT SCALE DRAWINGS. CLARIFY ANY DIMENSIONAL DISCREPANCIES WITH THE ARCHITECT PRIOR TO CONTINUING WITH THE WORK.
3. CLARIFY ANY COORDINATION DISCREPANCIES BETWEEN ENGINEER DRAWINGS AND ARCHITECTURAL DRAWINGS WITH THE ARCHITECT PRIOR TO CONTINUING WITH THE WORK.
4. ALL WORK LISTED, SHOWN OR IMPLIED ON THE CONSTRUCTION DOCUMENTS SHALL BE SUPPLIED AND INSTALLED BY THE GENERAL CONTRACTOR EXCEPT WHERE OTHERWISE NOTED.

RATED WALLS LEGEND

1 HOUR FIRE PARTITION

1 HOUR FIRE BARRIER

1 HOUR SMOKE BARRIER

2 HOUR FIRE BARRIER

2 HOUR SMOKE BARRIER

2 HOUR FIRE WALL

GENERAL FLOOR PLAN NOTES

A. ALL WALLS ARE SB3 UNLESS NOTED OTHERWISE. SEE SHEET A002 FOR MORE INFORMATION ON WALL TYPES.
B. EXTERIOR DIMENSIONS ARE TO FACE OF STUD OR FACE OF CMU BACKUP OR CONCRETE WALL UNLESS NOTED OTHERWISE.
C. INTERIOR DIMENSIONS INDICATED ARE TO FACE OF STUD AND CENTERLINES OF COLUMNS, UNLESS NOTED OTHERWISE.
D. LOCATE DOOR OPENINGS 6" FROM NEAREST PERPENDICULAR WALL UNLESS NOTED OTHERWISE.
E. FIRE AND SOUND RATED WALLS/PARTITIONS TO BE CONSTRUCTED TIGHT TO STRUCTURE, PIPING, DUCTWORK AND OTHER PENETRATIONS. ALL WORK IS TO BE BRACED TO STRUCTURE ABOVE.
F. WHERE PARTITIONS OF DIFFERENT FIRE RATINGS INTERSECT, THE HIGHEST RATED PARTITION SHALL CONTINUE THROUGH. MAINTAIN PARTITION FIRE RATING BEHIND FIRE EXTINGUISHER CABINETS.
G. INSTALL BLOCKING IN PARTITIONS FOR CASEWORK, WALL MOUNTED EQUIPMENT, GRAB BARS, TRIM AND RELATED CONSTRUCTION.
H. SEE LIFE SAFETY PLANS FOR REQUIRED FIRE SEPARATION WALLS.
I. SEE A001-A003 FOR CONSTRUCTION SUBSYSTEMS.
J. SEE BUILDING ELEVATION DRAWINGS FOR LOCATION OF EXTERIOR CONTROL JOINTS.
K. CEILING SEISMIC DETAILS ARE PROVIDED TO ILLUSTRATE THE GENERAL REQUIREMENTS OF CISCA'S "GUIDELINES FOR SEISMIC RESTRAINT, ZONES 3 & 4 AND THE IBC, CHAPTER 16. CONTRACTOR IS RESPONSIBLE FOR MEETING ALL APPLICABLE PROVISIONS OF THESE STANDARDS. IN CASE OF A CONFLICT, THE MORE STRINGENT REQUIREMENT WILL BE ENFORCED.

PLAN LEGEND

- A — WINDOW / CURTAIN WALL TAG
- SA3.0 — WALL TAG
- 01 — KEYNOTE
- TC — TIME CLOCK
- AC — ATOMIC CLOCK
- CR — CARD READER
- FB — POWER/DATA FLOOR BOX SEE ELECTRICAL
- IMPACT RESISTANT GYPSUM WALL BOARD TO 48" HIGH. SEE A004 FOR SPECIFIC WALL TYPE CONSTRUCTION

DOOR TAG:

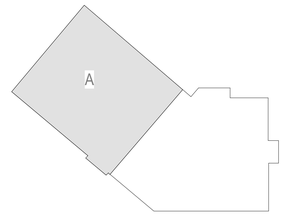
122A / 45 MIN — FLOOR # = 1 OR 2 DIGITS; ROOM # = 2 OR 3 DIGITS; DOOR SEQUENCE (ALPHABETIC); DOOR RATING (IF SHOWN)

SHEET NOTE LEGEND

FLOOR PLAN SHEET NOTES

NUMBER	DESCRIPTION	Sheet Series
5	IMPACT RESISTANT GYPSUM BOARD WALL BOARD TO 48" HIGH. SEE A004 FOR SPECIFIC WALL TYPE CONSTRUCTION.	A1
6	FLOOR OUTLETS. SEE ELECTRICAL DRAWING FOR ADDITION INFORMATION	A1
7	ATOMIC CLOCK.	A1
8	CENTRAL DISTRIBUTION BOX- ANTENNA	A1
10	TIME CLOCK	A1
11	COORDINATE EXAM DOOR SURROUND. SEE ELEVATION B5/A419	A1

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERTIFIED ARCHITECTURAL CORPORATION CHARLOTTE, NORTH CAROLINA CERT. NO. 54314

NORTH CAROLINA REGISTERED SEAL 17308 LEE MARIE CONNOLLY 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/26	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: D. KIM

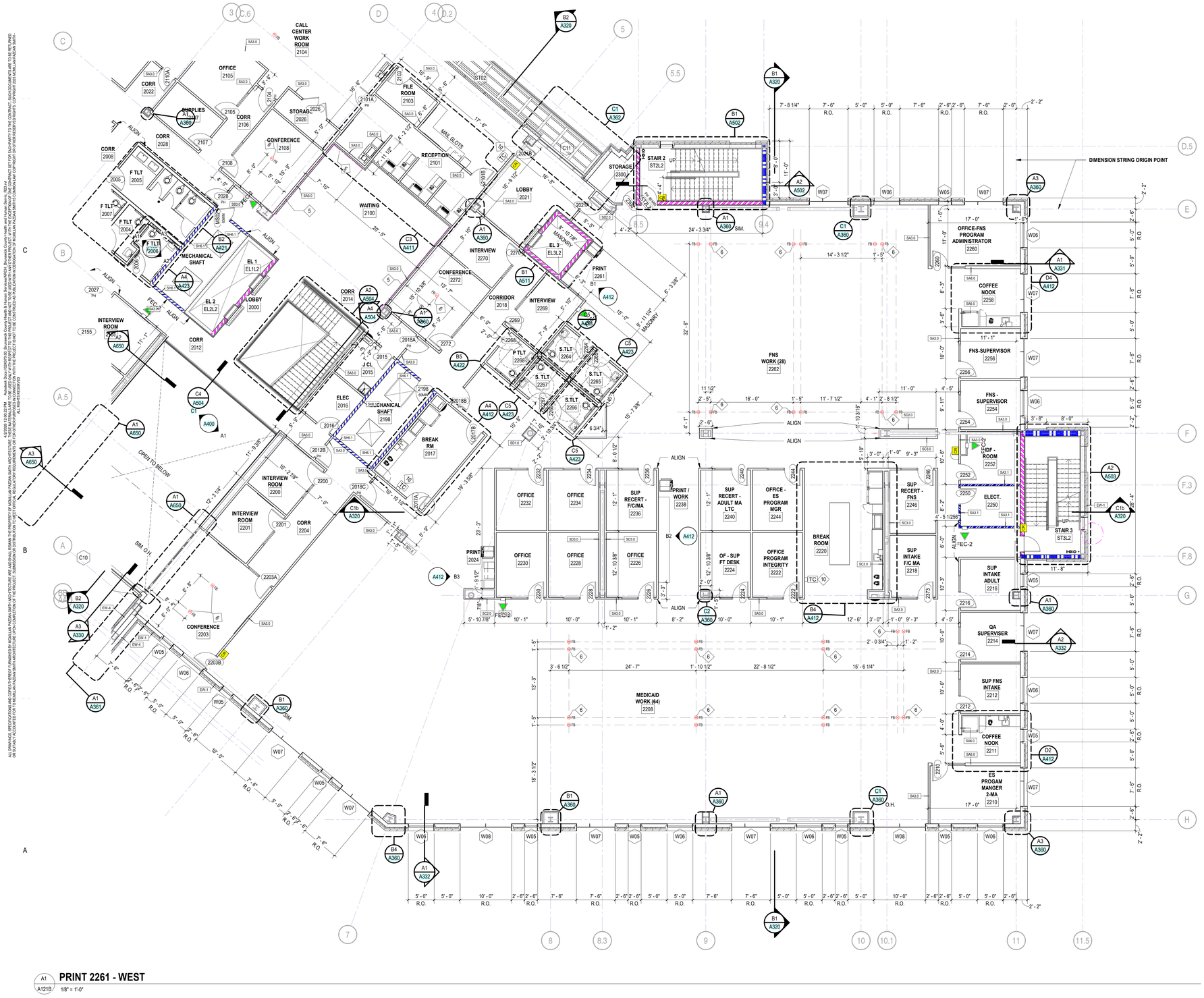
SHEET TITLE:

LEVEL 2 ANNOTATION/ DIMENSION PLAN - AREA A

SHEET NO. A121A

PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF SIGNING CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED



A1 A121B **PRINT 2261 - WEST**
1/8" = 1'-0"

ARCHITECTURE, THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF SIGNING CONTRACTS BY FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR DELIVERED UPON REQUEST AT THE COMPLETION OF THE PROJECT. NO REPRODUCTION OR DISTRIBUTION OF THESE DOCUMENTS, IN WHOLE OR IN PART, SHALL BE MADE WITHOUT THE PRIOR WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

GENERAL NOTES

1. ALL WORK SHALL MEET THE MINIMUM REQUIREMENTS OF THE LATEST ADOPTED EDITIONS OF THE APPLICABLE CODES, AS INDICTED ON THIS SHEET AND ALL OTHER LOCAL, STATE OR FEDERAL CODES OR REGULATIONS HAVING JURISDICTION.
2. DO NOT SCALE DRAWINGS. CLARIFY ANY DIMENSIONAL DISCREPANCIES WITH THE ARCHITECT PRIOR TO CONTINUING WITH THE WORK.
3. CLARIFY ANY COORDINATION DISCREPANCIES BETWEEN ENGINEER DRAWINGS AND ARCHITECTURAL DRAWINGS WITH THE ARCHITECT PRIOR TO CONTINUING WITH THE WORK.
4. ALL WORK LISTED, SHOWN OR IMPLIED ON THE CONSTRUCTION DOCUMENTS SHALL BE SUPPLIED AND INSTALLED BY THE GENERAL CONTRACTOR EXCEPT WHERE OTHERWISE NOTED.

RATED WALLS LEGEND

- 1 HOUR FIRE PARTITION
- 1 HOUR FIRE BARRIER
- 1 HOUR SMOKE BARRIER
- 2 HOUR FIRE BARRIER
- 2 HOUR SMOKE BARRIER
- 2 HOUR FIRE WALL

GENERAL FLOOR PLAN NOTES

A. ALL WALLS ARE SB3 UNLESS NOTED OTHERWISE. SEE SHEET A002 FOR MORE INFORMATION ON WALL TYPES.
B. EXTERIOR DIMENSIONS ARE TO FACE OF STUD OR FACE OF CMU BACKUP OR CONCRETE WALL UNLESS NOTED OTHERWISE.
C. INTERIOR DIMENSIONS INDICATED ARE TO FACE OF STUD AND CENTERLINES OF COLUMNS, UNLESS NOTED OTHERWISE.
D. LOCATE DOOR OPENINGS 6" FROM NEAREST PERPENDICULAR WALL UNLESS NOTED OTHERWISE.
E. FIRE AND SOUND RATED WALLS/PARTITIONS TO BE CONSTRUCTED TIGHT TO STRUCTURE, PIPING, DUCTWORK AND OTHER PENETRATIONS. ALL WORK IS TO BE BRACED TO STRUCTURE ABOVE.
F. WHERE PARTITIONS OF DIFFERENT FIRE RATINGS INTERSECT, THE HIGHEST RATED PARTITION SHALL CONTINUE THROUGH. MAINTAIN PARTITION FIRE RATING BEHIND FIRE EXTINGUISHER CABINETS.
G. INSTALL BLOCKING IN PARTITIONS FOR CASEWORK, WALL MOUNTED EQUIPMENT, GRAB BARS, TRIM AND RELATED CONSTRUCTION.
H. SEE LIFE SAFETY PLANS FOR REQUIRED FIRE SEPARATION WALLS.
I. SEE A001-A003 FOR CONSTRUCTION SUBSYSTEMS.
J. SEE BUILDING ELEVATION DRAWINGS FOR LOCATION OF EXTERIOR CONTROL JOINTS.
K. CEILING SEISMIC DETAILS ARE PROVIDED TO ILLUSTRATE THE GENERAL REQUIREMENTS OF CISCA'S "GUIDELINES FOR SEISMIC RESTRAINT, ZONES 3 & 4 AND THE IBC, CHAPTER 16. CONTRACTOR IS RESPONSIBLE FOR MEETING ALL APPLICABLE PROVISIONS OF THESE STANDARDS. IN CASE OF A CONFLICT, THE MORE STRINGENT REQUIREMENT WILL BE ENFORCED.

PLAN LEGEND

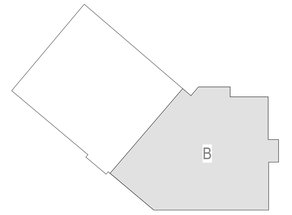
- A — WINDOW / CURTAIN WALL TAG
- SA3.0 — WALL TAG
- 01 — KEYNOTE
- TC — TIME CLOCK
- AC — ATOMIC CLOCK
- CR — CARD READER
- FB — POWER/DATA FLOOR BOX SEE ELECTRICAL
- IMPACT RESISTANT GYPSUM WALL BOARD TO 48" HIGH. SEE A004 FOR SPECIFIC WALL TYPE CONSTRUCTION

DOOR TAG:
122A / 45 MIN — FLOOR # = 1 OR 2 DIGITS; ROOM # = 2 OR 3 DIGITS; DOOR SEQUENCE (ALPHABETIC); DOOR RATING (IF SHOWN)

SHEET NOTE LEGEND

FLOOR PLAN SHEET NOTES		
NUMBER	DESCRIPTION	Sheet Series
5	IMPACT RESISTANT GYPSUM BOARD WALL BOARD TO 48" HIGH. SEE A004 FOR SPECIFIC WALL TYPE CONSTRUCTION.	A1
6	FLOOR OUTLETS. SEE ELECTRICAL DRAWING FOR ADDITION INFORMATION	A1
7	ATOMIC CLOCK.	A1
8	CENTRAL DISTRIBUTION BOX- ANTENNA	A1
10	TIME CLOCK	A1
11	COORDINATE EXAM DOOR SURROUND. SEE ELEVATION B5/A419	A1

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, PC — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED — SEAL 47168 — MARIE CONNOLLY — 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: D. KIM

SHEET TITLE:
LEVEL 2 ANNOTATION/ DIMENSION PLAN - AREA B

SHEET NO. A121B
PROJ. NO. 024370.01

4/2/2026 12:00:28 PM Autodesk Docs://024370.00_Brunswick County Health & Human Services/ARCH_Brunswick County Health and Human Servic_R23.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2026 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

FINISH ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE	PLAM	PLASTIC LAMINATE
CG	CORNERGUARD	PS	PAINT - SEMI GLOSS
CPT	CARPET TILE	QZ	QUARTZ
CWT	CERAMIC WALL TILE	RAF	RAISED ACCESS FLOORING
DP	DECORATIVE PANEL	RB	RUBBER COVE BASE
EPY	RESINOUS FLOORING	RESP	RESIN PANEL
EPYB	RESINOUS FLOORING BASE	RS	ROLLER WINDOW SHADE
EPT	EPOXY TERRAZZO	RST	RUBBER STAIR TREAD & RISER
FRL	FIBERGLASS REINFORCED LAMINATE	SC	SEALED CONCRETE
GB	GLASS MARKER BOARD	SP	SIGNAGE PANEL
HIP	HIGH IMPACT PANEL	SS	SOLID SURFACE
HR	HANDRAIL	T	TRIM
LVT	LUXURY VINYL FLOORING	TER	TERRAZZO FLOORING
PE	PAINT - EGGSHELL FINISH	WD	WOOD CEILING
PEP	PAINT - EPOXY- EGGSHELL FINISH	WDB	WOOD BASE
PF	PAINT - FLAT	WOM	WALK OFF MAT
POR	PORCELAIN TILE	WP	WALL PROTECTION
PORB	PORCELAIN TILE BASE	WSSV	WELDED SEAM SHEET VINYL
PORW	PORCELAIN WALL TILE	WSSB	WELDED SEAM SHEET VINYL BASE

FINISH KEYNOTES

1. PROVIDE RB 2 MILLWORK BASE THIS ROOM/AREA
2. PROVIDE SCHLUTER COVE BASE DILEX AHK TO TRANSITION FLOOR TILE TO WALL TILE/TILE BASE
3. PROVIDE 6" INTEGRAL BASE THIS ROOM/AREA
4. FULL HEIGHT WALL TILE ALL WALLS THIS ROOM/AREA PORW-2 U.N.O.
5. SEE INTERIOR ELEVATION SHEETS FOR MORE INFORMATION
6. PE 2 ALL WALLS THIS ROOM/ AREA
7. PS 1 ALL WALLS THIS ROOM/ AREA
8. COORDINATE EXAM DOOR SURROUND. SEE ELEVATION B2/A419 FOR EXTENTS AND LOCATION OF PAINT
9. PEP 3 ALL WALLS THIS ROOM/AREA
10. PROVIDE 6" POR 2 BASE THIS ROOM/AREA
11. PROVIDE RB 3 AS BASE ON CUSTOMER SIDE (NON STAFF SIDE) OF THIS MILLWORK ITEM
12. PEP 4 ALL WALLS THIS ROOM/AREA

FINISH GENERAL NOTES

CEILING

A. U.N.O. ALL ACOUSTICAL CEILING TILE SHALL BE ACT 1. REFER TO REFLECTED CEILING PLANS FOR EXCEPTIONS.
B. U.N.O. ALL GYPSUM BOARD CEILINGS ARE TO RECEIVE PF-9/ CEILINGS IN WET LOCATIONS(I.E. TOILET ROOMS, TOILET SHOWER ROOMS AND PROCEDURE ROOMS TO RECEIVE PS-9. REFER TO REFLECTED CEILING PLANS FOR NOTED EXCEPTIONS FOR PAINT COLOR AND FINISH DESIGNATIONS
C. ALL CUT TEGULAR TILE IS TO BE FACTORY CUT AND FINISHED TO ENSURE CLEAN CUT AND FINISHED EDGES ON ALL EXPOSED EDGES U.N.O.
D. ALL SOUNDPLY WOOD PLANK (ACT 4) CEILINGS ARE BASED UPON USING 4'X10' PANELS AND 10' PLANKS AS THE TYPICAL UNIT OF SIZE U.N.O.

GENERAL NOTES

A. REFER TO THE PROJECT SPECIFICATIONS REGARDING INTERIOR WOOD DOOR SPECIES, CUT AND STAIN.
B. GC TO PROVIDE A MINIMUM OF 3% ATTIC STOCK OF ALL MATERIALS TO OWNER. PROVIDE MATERIALS IN UNOPENED BOXES.
C. CAULK AT BASE OF DOOR FRAME BETWEEN DOOR FRAME AND RESILIENT FLOORING TYPICAL ALL LOCATIONS. CAULK TO BE COLOR MATCHED TO MATCH DOOR FRAME PAINT COLOR
D. ALL ITEMS EXPOSED TO VIEW SHALL BE FINISHED (I.E. PAINTED, STAINED, ETC.) UNLESS PREFINISHED BY MANUFACTURER. NO UNFINISHED SURFACES WILL BE ACCEPTED U.N.O.
E. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK LEAD TIMES ON ALL FINISH ITEMS SO AS NOT TO DELAY WORK OR WORK OF OTHER TRADES.
F. U.N.O. TILES LESS THAN AN 1/3 OF A FULL PIECE OF TILE WILL NOT BE ACCEPTED. COORDINATE LAYOUT WITH ARCHITECT TO AVOID TILE "SLIVERS".
G. LOCKERS SHALL BE FACTORY FINISHED. GC TO PROVIDE ARCHITECT MANUFACTURERS FULL LINE OF COLOR/ FINISH OFFERINGS FOR SELECTION.
H. PROVIDE ROLLER SHADE AT EACH EXTERIOR WINDOW AND WINDOWS AT INTERIOR WINDOWS U.N.O. SEE FINISH LEGEND AND REFLECTED CEILING PLANS FOR MORE INFORMATION.
I. REFER TO ELECTRICAL INFORMATION FOR LIGHTING ALLOWANCES (DECORATIVE AND TASK LIGHTING) AND TYPES TO BE INCLUDED IN PRICING SET
J. PROVIDE BOBRICK LED BACKLIT MIRRORS IN ALL MULTIPLE FIXTURE PUBLIC TOILETS
K. PROVIDE BOBRICK WELDED FRAME MIRRORS AT ALL OTHER MIRROR LOCATIONS. SIZES AS SPECIFIED IN ELEVATIONS

WALLS

A. U.N.O. GYP BD. WALLS SHALL RECEIVE PE-1
B. U.N.O. ALL RECESSED WIREWAYS, ACCESS PANELS, GRILLES, ELEC PANELS AND ALL OTHER SUCH ARCHITECTURAL, ELECTRICAL AND MECHANICAL DEVICES SHALL BE FINISHED TO MATCH ADJACENT WALL OR CEILING COLOR.
C. U.N.O.ALL PAINTED HOLLOW METAL FRAMES AND DOORS SHALL RECEIVE PS-1. SEE WALL FINISH PLANS FOR NOTED EXCEPTIONS
D. REFER TO WALL FINISH PLANS AND/OR INTERIOR ELEVATIONS FOR EXTENT AND PATTERNING OF PORCELAIN AND CERAMIC WALL TILE
E. WALLS IN DATA ROOMS ARE TO RECEIVE FIRE RATED PLYWOOD, FIRE RATED PAINTED COLOR: BLACK; FINISH: FLAT
F. ON WALLS SCHEDULED TO RECEIVE PORCELAIN TILE, PROVIDE SCHLUTER FINEC TRIM PIECE ON ALL OUTSIDE CORNER U.N.O.

FLOORING

A. U.N.O. ALL AREAS RECEIVING RESILIENT FLOORING (TILE OR SHEET GOODS) AND/ OR CARPET SHALL RECEIVE RB-1.
B. FEATHER ALL FLOORING MATERIALS AS REQUIRED TO ENSURE A LEVEL TRANSITION BETWEEN MATERIALS OF VARYING THICKNESS.
C. U.N.O. TRANSITION ALL FLOOR FINISHES AT CENTER OF DOOR WHEN IN THE "CLOSED" POSITION.
D. CONTINUE ALL SCHEDULED FLOORING MATERIAL UNDER MILLWORK AND INTO ALL RECESSES U.N.O.
E. MAINTAIN UNIFORMITY OF FLOOR COVERING DIRECTION U.N.O.
F. MINIMIZE NUMBER OF SEAMS, PLACE SEAMS IN INCONSPICUOUS AND LOW TRAFFIC AREAS WHERE POSSIBLE.
G. REFERENCE FLOORING GRAINING SYMBOL FOR CORRECT INSTALLATION DIRECTION OF FLOOR GRAINING. **DO NOT FOLLOW HATCH PATTERN DIRECTION SHOWN ON PLANS.**
H. GC TO PROVIDE ARCHITECT SEAMING DIAGRAM AND INSTALLATION PLAN FOR ALL FLOORING PRIOR TO INSTALLATION OF ANY AND ALL FLOOR COVERINGS.
I. ALL SHEET RESILIENT FLOORING IS TO BE HEAT WELDED. GC TO SUBMIT MANUFACTURERS FULL LINE OF SAMPLES FOR ARCHITECT SELECTION.

WALL PROTECTION

A. REFER TO WALL FINISH PLAN FOR CORNERGUARDS AND HIGH IMPACT PANEL LOCATIONS.
B. PROVIDE ALL FINISH PIECES ON ALL WALL PROTECTION PRODUCTS U.N.O.
C. PROVIDE ALL COORDINATING TRIM PIECES ON ALL HIGH IMPACT WALL PANELS. BUTT JOINT VERTICAL SEAMS AND SEAL WITH COLOR MATCH CAULK.
D. PROVIDE CORNERGUARDS AT ALL EXTERIOR CORNERS U.N.O./ CORNERGUARDS ARE NOT TO BE USED ON EXTERIOR CORNERS SCHEDULED TO RECEIVE WALL TILE U.N.O.
E. CONTRACTOR TO VERIFY ANGLE OF ALL CORNERS BEFORE PURCHASE AND INSTALLATION OF ALL CORNERGUARDS.
F. ALL CORNERGUARDS TO RUN FROM TOP OF BASE TO FINISHED CEILING U.N.O./ CORNERGUARDS ON HALF WALLS TO RUN FROM TOP OF BASE TO UNDERSIDE OF WALL CAP U.N.O.
G. DO NOT RUN WALL PROTECTION PANELS/TRIM BEHIND CASEWORK. PANELS/TRIM TO BE INSTALLED TIGHT TO THE CASEWORK (DO NOT CUT SHORT)

MILLWORK

A. U.N.O. ALL VERTICAL SURFACES OF CASEWORK/ MILLWORK TO RECEIVE PLAM-1. ALL COUNTERTOPS AND BACKSPLASHES SURFACES TO RECEIVE SS-1 OR SS-2 SEE FINISH LEGEND FOR MORE INFORMATION ON LOCATIONS / REFER TO CASEWORK/MILLWORK ELEVATIONS FOR MORE INFORMATION.
B. U.N.O. ALL WOOD GRAIN LAMINATE IS TO BE INSTALLED WITH THE GRAINING RUNNING VERTICALLY. SEE INTERIOR ELEVATIONS FOR NOTED EXCEPTIONS
C. ALL EXPOSED SURFACES OF MILLWORK TO BE COVERED WITH LAMINATE, NO MELAMINE OR UNFINISHED SURFACES WILL BE ACCEPTED.
D. GLASS LOCATED IN AND AROUND CARE TEAM STATIONS IS TO BE COUNTERSUNK IN TRANSACTION TOPS (AT BOTTOM OF PANEL) AND IN CEILING SOFFIT (AT TOP OF PANEL) TYP. U.N.O. SEE MILLWORK SECTIONS FOR MORE INFORMATION
E. PROVIDE 1" DEEP TOE KICK ON SIDES OF ALL MILLWORK PIECES THAT DO NOT TERMINATE AT WALL U.N.O./ THIS AREA IS TO RECEIVE RB. RUBBER BASE APPLIED TO PANELS WILL NOT BE ACCEPTED U.N.O./ COORDINATED HEIGHTS WITH ELEVATIONS
F. ALL SOLID SURFACE PRODUCTS ARE TO HAVE EASED EDGES TO ENSURE NO SHARP CORNERS
G. INCLUDE FIELD CUT GROMMETS IN ALL COUNTERTOPS TO ACCOMMODATE UNDERCOUNTER POWER/ COORDINATE WITH OWNER ON EXACT LOCATIONS

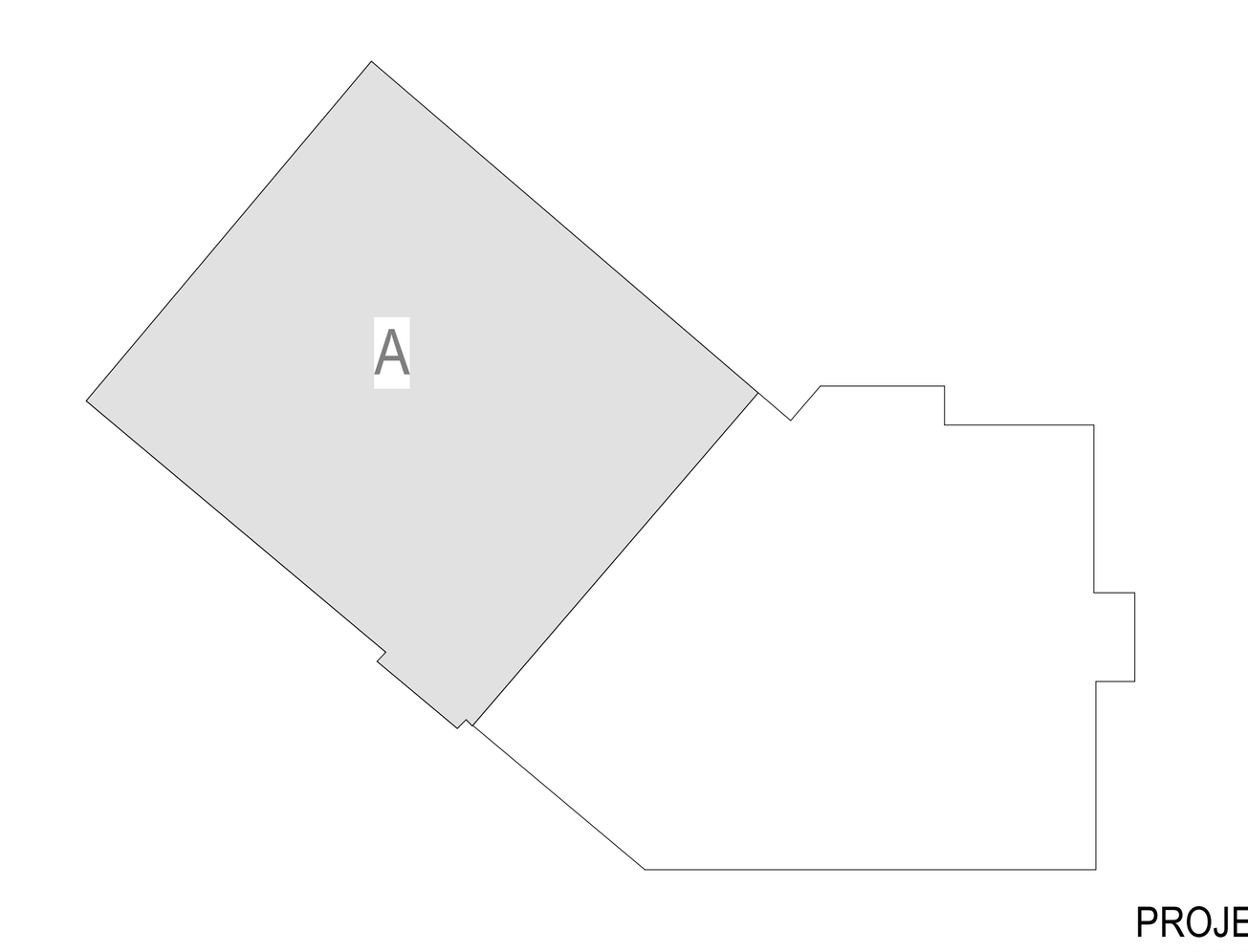
FLOOR FINISH LEGEND

CPT-1, CPT-2, CPT-3, CPT-4, CPT-5, CPT-6, CPT-7, CPT-8, LVT-1, LVT-2, LVT-3, LVT-4, LVT-5, LVT-6, POR-1, POR-2, WOM-1, WSSV-1, RST-1, SC, FLOOR GRAINING DIRECTION



A1 / A125A **LEVEL 02 - FLOOR FINISH PLAN - AREA A**
1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED ARCHITECT SEAL 17168 LISA MARIE CONNELL 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
LEVEL 2 FLOOR FINISH PLAN - AREA A

SHEET NO. A125A
PROJ. NO. 024370.01

4/2/2026 12:00:33 PM Autodesk Docs://024370.00_Brunswick County Health & Human Services/ARCH_Brunswick County Health and Human Servic_R23.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2026 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

FINISH KEYNOTES

1. PROVIDE RB 2 MILLWORK BASE THIS ROOM/AREA
2. PROVIDE SCHLUTER COVE BASE DILEX AHK TO TRANSITION FLOOR TILE TO WALL TILE/TILE BASE
3. PROVIDE 6" INTEGRAL BASE THIS ROOM/AREA
4. FULL HEIGHT WALL TILE ALL WALLS THIS ROOM/AREA PORW-2 U.N.O.
5. SEE INTERIOR ELEVATION SHEETS FOR MORE INFORMATION
6. PE 2 ALL WALLS THIS ROOM/ AREA
7. PS 1 ALL WALLS THIS ROOM/ AREA
8. COORDINATE EXAM DOOR SURROUND. SEE ELEVATION B2/A419 FOR EXTENTS AND LOCATION OF PAINT
9. PEP 3 ALL WALLS THIS ROOM/AREA
10. PROVIDE 6" POR 2 BASE THIS ROOM/AREA
11. PROVIDE RB 3 AS BASE ON CUSTOMER SIDE (NON STAFF SIDE) OF THIS MILLWORK ITEM
12. PEP 4 ALL WALLS THIS ROOM/AREA

FINISH ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE	PLAM	PLASTIC LAMINATE
CG	CORNERGUARD	PS	PAINT - SEMI GLOSS
CPT	CARPET TILE	QZ	QUARTZ
CWT	CERAMIC WALL TILE	RAF	RAISED ACCESS FLOORING
DP	DECORATIVE PANEL	RB	RUBBER COVE BASE
EPY	RESINOUS FLOORING	RESP	RESIN PANEL
EPYB	RESINOUS FLOORING BASE	RS	ROLLER WINDOW SHADE
EPT	EPOXY TERRAZZO	RST	RUBBER STAIR TREAD & RISER
FRL	FIBERGLASS REINFORCED LAMINATE	SC	SEALED CONCRETE
GB	GLASS MARKER BOARD	SP	SIGNAGE PANEL
HIP	HIGH IMPACT PANEL	SS	SOLID SURFACE
HR	HANDRAIL	T	TRIM
LVT	LUXURY VINYL FLOORING	TER	TERRAZZO FLOORING
PE	PAINT - EGGSHELL FINISH	WD	WOOD CEILING
PEP	PAINT - EPOXY- EGGSHELL FINISH	WDB	WOOD BASE
PF	PAINT - FLAT	WOM	WALK OFF MAT
POR	PORCELAIN TILE	WP	WALL PROTECTION
PORB	PORCELAIN TILE BASE	WSSV	WELDED SEAM SHEET VINYL
PORW	PORCELAIN WALL TILE	WSSB	WELDED SEAM SHEET VINYL BASE

FINISH GENERAL NOTES

CEILING

A. U.N.O. ALL ACOUSTICAL CEILING TILE SHALL BE ACT 1. REFER TO REFLECTED CEILING PLANS FOR EXCEPTIONS.
B. U.N.O. ALL GYPSUM BOARD CEILINGS ARE TO RECEIVE PF-9/ CEILINGS IN WET LOCATIONS(I.E. TOILET ROOMS, TOILET SHOWER ROOMS AND PROCEDURE ROOMS TO RECEIVE PS-9. REFER TO REFLECTED CEILING PLANS FOR NOTED EXCEPTIONS FOR PAINT COLOR AND FINISH DESIGNATIONS
C. ALL CUT TEGULAR TILE IS TO BE FACTORY CUT AND FINISHED TO ENSURE CLEAN CUT AND FINISHED EDGES ON ALL EXPOSED EDGES U.N.O.
D. ALL SOUNDPLY WOOD PLANK (ACT 4) CEILINGS ARE BASED UPON USING 4'X10' PANELS AND 10' PLANKS AS THE TYPICAL UNIT OF SIZE U.N.O.

GENERAL NOTES

A. REFER TO THE PROJECT SPECIFICATIONS REGARDING INTERIOR WOOD DOOR SPECIES, CUT AND STAIN.
B. GC TO PROVIDE A MINIMUM OF 3% ATTIC STOCK OF ALL MATERIALS TO OWNER. PROVIDE MATERIALS IN UNOPENED BOXES.
C. CAULK AT BASE OF DOOR FRAME BETWEEN DOOR FRAME AND RESILIENT FLOORING TYPICAL ALL LOCATIONS. CAULK TO BE COLOR MATCHED TO MATCH DOOR FRAME PAINT COLOR
D. ALL ITEMS EXPOSED TO VIEW SHALL BE FINISHED (I.E. PAINTED, STAINED, ETC.) UNLESS PREFINISHED BY MANUFACTURER. NO UNFINISHED SURFACES WILL BE ACCEPTED U.N.O.
E. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK LEAD TIMES ON ALL FINISH ITEMS SO AS NOT TO DELAY WORK OR WORK OF OTHER TRADES.
F. U.N.O. TILES LESS THAN AN 1/3 OF A FULL PIECE OF TILE WILL NOT BE ACCEPTED. COORDINATE LAYOUT WITH ARCHITECT TO AVOID TILE "SLIVERS".
G. LOCKERS SHALL BE FACTORY FINISHED. GC TO PROVIDE ARCHITECT MANUFACTURERS FULL LINE OF COLOR/ FINISH OFFERINGS FOR SELECTION.
H. PROVIDE ROLLER SHADE AT EACH EXTERIOR WINDOW AND WINDOWS AT INTERIOR WINDOWS U.N.O. SEE FINISH LEGEND AND REFLECTED CEILING PLANS FOR MORE INFORMATION.
I. REFER TO ELECTRICAL INFORMATION FOR LIGHTING ALLOWANCES (DECORATIVE AND TASK LIGHTING) AND TYPES TO BE INCLUDED IN PRICING SET
J. PROVIDE BOBRICK LED BACKLIT MIRRORS IN ALL MULTIPLE FIXTURE PUBLIC TOILETS
K. PROVIDE BOBRICK WELDED FRAME MIRRORS AT ALL OTHER MIRROR LOCATIONS. SIZES AS SPECIFIED IN ELEVATIONS

WALLS

A. U.N.O. GYP BD. WALLS SHALL RECEIVE PE-1
B. U.N.O. ALL RECESSED WIREWAYS, ACCESS PANELS, GRILLES, ELEC PANELS AND ALL OTHER SUCH ARCHITECTURAL, ELECTRICAL AND MECHANICAL DEVICES SHALL BE FINISHED TO MATCH ADJACENT WALL OR CEILING COLOR.
C. U.N.O.ALL PAINTED HOLLOW METAL FRAMES AND DOORS SHALL RECEIVE PS-1. SEE WALL FINISH PLANS FOR NOTED EXCEPTIONS
D. REFER TO WALL FINISH PLANS AND/OR INTERIOR ELEVATIONS FOR EXTENT AND PATTERNING OF PORCELAIN AND CERAMIC WALL TILE
E. WALLS IN DATA ROOMS ARE TO RECEIVE FIRE RATED PLYWOOD, FIRE RATED PAINTED COLOR: BLACK: FINISH: FLAT
F. ON WALLS SCHEDULED TO RECEIVE PORCELAIN TILE, PROVIDE SCHLUTER FINEC TRIM PIECE ON ALL OUTSIDE CORNER U.N.O.

FLOORING

A. U.N.O. ALL AREAS RECEIVING RESILIENT FLOORING (TILE OR SHEET GOODS) AND/ OR CARPET SHALL RECEIVE RB-1.
B. FEATHER ALL FLOORING MATERIALS AS REQUIRED TO ENSURE A LEVEL TRANSITION BETWEEN MATERIALS OF VARYING THICKNESS.
C. U.N.O. TRANSITION ALL FLOOR FINISHES AT CENTER OF DOOR WHEN IN THE "CLOSED" POSITION.
D. CONTINUE ALL SCHEDULED FLOORING MATERIAL UNDER MILLWORK AND INTO ALL RECESSES U.N.O.
E. MAINTAIN UNIFORMITY OF FLOOR COVERING DIRECTION U.N.O.
F. MINIMIZE NUMBER OF SEAMS, PLACE SEAMS IN INCONSPICUOUS AND LOW TRAFFIC AREAS WHERE POSSIBLE.
G. REFERENCE FLOORING GRAINING SYMBOL FOR CORRECT INSTALLATION DIRECTION OF FLOOR GRAINING. **DO NOT FOLLOW HATCH PATTERN DIRECTION SHOWN ON PLANS.**
H. GC TO PROVIDE ARCHITECT SEAMING DIAGRAM AND INSTALLATION PLAN FOR ALL FLOORING PRIOR TO INSTALLATION OF ANY AND ALL FLOOR COVERINGS.
I. ALL SHEET RESILIENT FLOORING IS TO BE HEAT WELDED. GC TO SUBMIT MANUFACTURERS FULL LINE OF SAMPLES FOR ARCHITECT SELECTION.

WALL PROTECTION

A. REFER TO WALL FINISH PLAN FOR CORNERGUARDS AND HIGH IMPACT PANEL LOCATIONS.
B. PROVIDE ALL FINISH PIECES ON ALL WALL PROTECTION PRODUCTS U.N.O.
C. PROVIDE ALL COORDINATING TRIM PIECES ON ALL HIGH IMPACT WALL PANELS. BUTT JOINT VERTICAL SEAMS AND SEAL WITH COLOR MATCH CAULK.
D. PROVIDE CORNERGUARDS AT ALL EXTERIOR CORNERS U.N.O./ CORNERGUARDS ARE NOT TO BE USED ON EXTERIOR CORNERS SCHEDULED TO RECEIVE WALL TILE U.N.O.
E. CONTRACTOR TO VERIFY ANGLE OF ALL CORNERS BEFORE PURCHASE AND INSTALLATION OF ALL CORNERGUARDS.
F. ALL CORNERGUARDS TO RUN FROM TOP OF BASE TO FINISHED CEILING U.N.O./ CORNERGUARDS ON HALF WALLS TO RUN FROM TOP OF BASE TO UNDERSIDE OF WALL CAP U.N.O.
G. DO NOT RUN WALL PROTECTION PANELS/TRIM BEHIND CASEWORK. PANELS/TRIM TO BE INSTALLED TIGHT TO THE CASEWORK (DO NOT CUT SHORT)

MILLWORK

A. U.N.O. ALL VERTICAL SURFACES OF CASEWORK/ MILLWORK TO RECEIVE PLAM-1. ALL COUNTERTOPS AND BACKSPLASHES SURFACES TO RECEIVE SS-1 OR SS-2 SEE FINISH LEGEND FOR MORE INFORMATION ON LOCATIONS / REFER TO CASEWORK/MILLWORK ELEVATIONS FOR MORE INFORMATION.
B. U.N.O. ALL WOOD GRAIN LAMINATE IS TO BE INSTALLED WITH THE GRAINING RUNNING VERTICALLY. SEE INTERIOR ELEVATIONS FOR NOTED EXCEPTIONS
C. ALL EXPOSED SURFACES OF MILLWORK TO BE COVERED WITH LAMINATE, NO MELAMINE OR UNFINISHED SURFACES WILL BE ACCEPTED.
D. GLASS LOCATED IN AND AROUND CARE TEAM STATIONS IS TO BE COUNTERSUNK IN TRANSACTION TOPS (AT BOTTOM OF PANEL) AND IN CEILING SOFFIT (AT TOP OF PANEL) TYP. U.N.O. SEE MILLWORK SECTIONS FOR MORE INFORMATION
E. PROVIDE 1" DEEP TOE KICK ON SIDES OF ALL MILLWORK PIECES THAT DO NOT TERMINATE AT WALL U.N.O./ THIS AREA IS TO RECEIVE RB. RUBBER BASE APPLIED TO PANELS WILL NOT BE ACCEPTED U.N.O./ COORDINATED HEIGHTS WITH ELEVATIONS
F. ALL SOLID SURFACE PRODUCTS ARE TO HAVE EASED EDGES TO ENSURE NO SHARP CORNERS
G. INCLUDE FIELD CUT GROMMETS IN ALL COUNTERTOPS TO ACCOMMODATE UNDERCOUNTER POWER/ COORDINATE WITH OWNER ON EXACT LOCATIONS

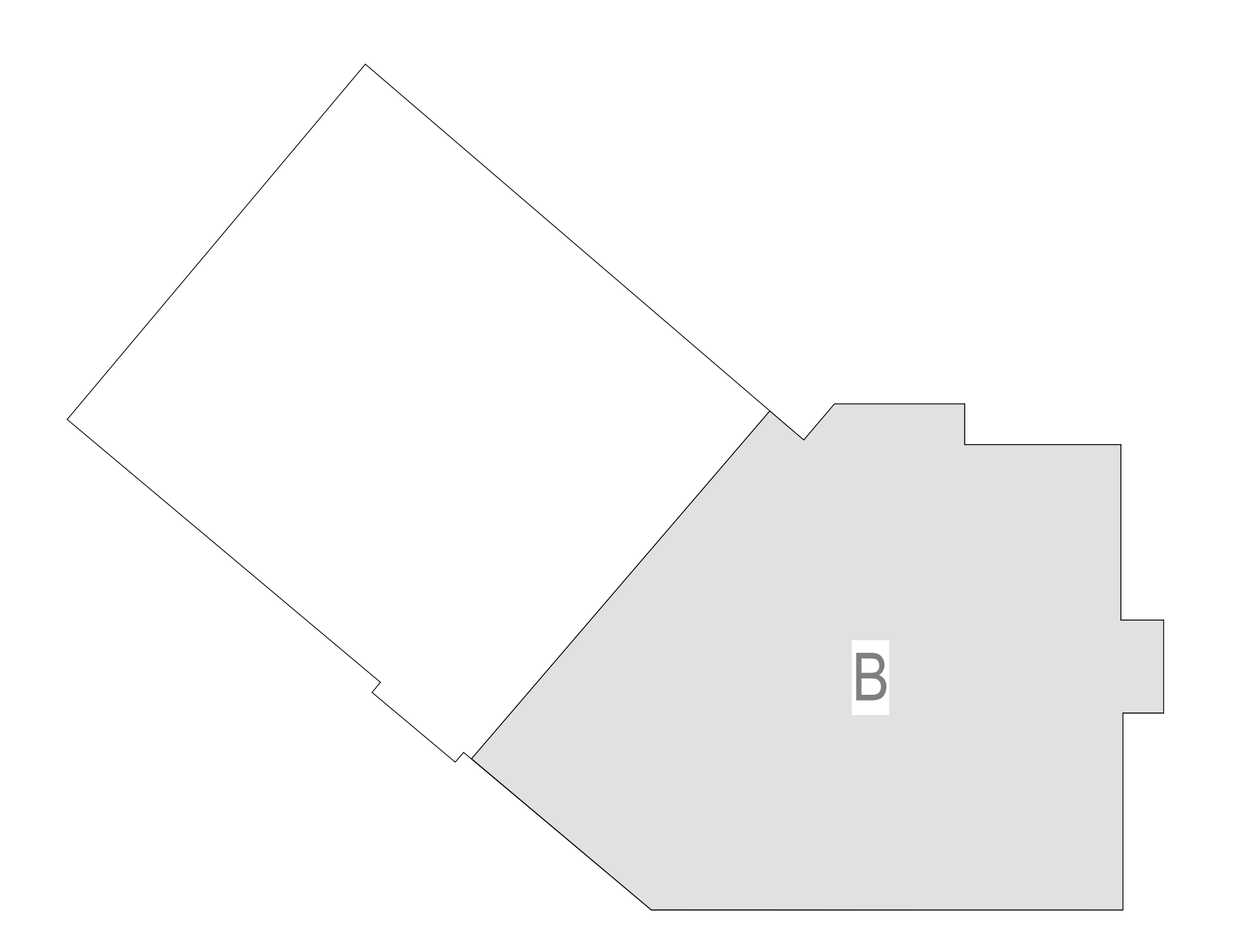
FLOOR FINISH LEGEND

CPT-1, CPT-2, CPT-3, CPT-4, CPT-5, CPT-6, CPT-7, CPT-8, LVT-1, LVT-2, LVT-3, LVT-4, LVT-5, LVT-6, POR-1, POR-2, WOM-1, WSSV-1, RST-1, SC, FLOOR GRAINING DIRECTION



A1 / A125B **LEVEL 02 - FLOOR FINISH PLAN - AREA B**
1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 54314 NORTH CAROLINA CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17168 ARCHITECT LISA MARIE CONNELL 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
LEVEL 2 FLOOR FINISH PLAN - AREA B

SHEET NO. A125B
PROJ. NO. 024370.01

FINISH KEYNOTES

1. PROVIDE RB 2 MILLWORK BASE THIS ROOM/AREA
2. PROVIDE SCHLUTER COVE BASE DILEX AHK TO TRANSITION FLOOR TILE TO WALL TILE/TILE BASE
3. PROVIDE 6" INTEGRAL BASE THIS ROOM/AREA
4. FULL HEIGHT WALL TILE ALL WALLS THIS ROOM/AREA PORW-2 U.N.O.
5. SEE INTERIOR ELEVATION SHEETS FOR MORE INFORMATION
6. PE 2 ALL WALLS THIS ROOM/ AREA
7. PS 1 ALL WALLS THIS ROOM/ AREA
8. COORDINATE EXAM DOOR SURROUND. SEE ELEVATION B2/A419 FOR EXTENTS AND LOCATION OF PAINT
9. PEP 3 ALL WALLS THIS ROOM/AREA
10. PROVIDE 6" POR 2 BASE THIS ROOM/AREA
11. PROVIDE RB 3 AS BASE ON CUSTOMER SIDE (NON STAFF SIDE) OF THIS MILLWORK ITEM
12. PEP 4 ALL WALLS THIS ROOM/AREA

FINISH ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE
CG	CORNERGUARD
CPT	CARPET TILE
CWT	CERAMIC WALL TILE
DP	DECORATIVE PANEL
EPY	RESINOUS FLOORING
EPYB	RESINOUS FLOORING BASE
EPT	EPOXY TERRAZZO
FRL	FIBERGLASS REINFORCED LAMINATE
GB	GLASS MARKER BOARD
HIP	HIGH IMPACT PANEL
HR	HANDRAIL
LVT	LUXURY VINYL FLOORING
PE	PAINT - EGGSHELL FINISH
PEP	PAINT - EPOXY- EGGSHELL FINISH
PF	PAINT - FLAT
POR	PORCELAIN TILE
PORB	PORCELAIN TILE BASE
PORW	PORCELAIN WALL TILE
PLAM	PLASTIC LAMINATE
PS	PAINT - SEMI GLOSS
QZ	QUARTZ
RAF	RAISED ACCESS FLOORING
RB	RUBBER COVE BASE
RESP	RESIN PANEL
RS	ROLLER WINDOW SHADE
RST	RUBBER STAIR TREAD & RISER
SC	SEALED CONCRETE
SP	SIGNAGE PANEL
SS	SOLID SURFACE
T	TRIM
TER	TERRAZZO FLOORING
WD	WOOD CEILING
WDB	WOOD BASE
WOM	WALK OFF MAT
WP	WALL PROTECTION
WSSV	WELDED SEAM SHEET VINYL
WSSB	WELDED SEAM SHEET VINYL BASE

FINISH GENERAL NOTES

CEILING

A. U.N.O. ALL ACOUSTICAL CEILING TILE SHALL BE ACT 1. REFER TO REFLECTED CEILING PLANS FOR EXCEPTIONS.
B. U.N.O. ALL GYPSUM BOARD CEILINGS ARE TO RECEIVE PF-9/ CEILINGS IN WET LOCATIONS(I.E. TOILET ROOMS, TOILET SHOWER ROOMS AND PROCEDURE ROOMS TO RECEIVE PS-9. REFER TO REFLECTED CEILING PLANS FOR NOTED EXCEPTIONS FOR PAINT COLOR AND FINISH DESIGNATIONS
C. ALL CUT TEGULAR TILE IS TO BE FACTORY CUT AND FINISHED TO ENSURE CLEAN CUT AND FINISHED EDGES ON ALL EXPOSED EDGES U.N.O.
D. ALL SOUNDPLY WOOD PLANK (ACT 4) CEILINGS ARE BASED UPON USING 4'X10' PANELS AND 10' PLANKS AS THE TYPICAL UNIT OF SIZE U.N.O.

GENERAL NOTES

A. REFER TO THE PROJECT SPECIFICATIONS REGARDING INTERIOR WOOD DOOR SPECIES, CUT AND STAIN.
B. GC TO PROVIDE A MINIMUM OF 3% ATTIC STOCK OF ALL MATERIALS TO OWNER. PROVIDE MATERIALS IN UNOPENED BOXES.
C. CAULK AT BASE OF DOOR FRAME BETWEEN DOOR FRAME AND RESILIENT FLOORING TYPICAL ALL LOCATIONS. CAULK TO BE COLOR MATCHED TO MATCH DOOR FRAME PAINT COLOR
D. ALL ITEMS EXPOSED TO VIEW SHALL BE FINISHED (I.E. PAINTED, STAINED, ETC.) UNLESS PREFINISHED BY MANUFACTURER. NO UNFINISHED SURFACES WILL BE ACCEPTED U.N.O.
E. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK LEAD TIMES ON ALL FINISH ITEMS SO AS NOT TO DELAY WORK OR WORK OF OTHER TRADES.
F. U.N.O. TILES LESS THAN AN 1/3 OF A FULL PIECE OF TILE WILL NOT BE ACCEPTED. COORDINATE LAYOUT WITH ARCHITECT TO AVOID TILE "SLIVERS".
G. LOCKERS SHALL BE FACTORY FINISHED. GC TO PROVIDE ARCHITECT MANUFACTURERS FULL LINE OF COLOR/ FINISH OFFERINGS FOR SELECTION.
H. PROVIDE ROLLER SHADE AT EACH EXTERIOR WINDOW AND WINDOWS AT INTERIOR WINDOWS U.N.O. SEE FINISH LEGEND AND REFLECTED CEILING PLANS FOR MORE INFORMATION.
I. REFER TO ELECTRICAL INFORMATION FOR LIGHTING ALLOWANCES (DECORATIVE AND TASK LIGHTING) AND TYPES TO BE INCLUDED IN PRICING SET
J. PROVIDE BOBRICK LED BACKLIT MIRRORS IN ALL MULTIPLE FIXTURE PUBLIC TOILETS
K. PROVIDE BOBRICK WELDED FRAME MIRRORS AT ALL OTHER MIRROR LOCATIONS. SIZES AS SPECIFIED IN ELEVATIONS

WALLS

A. U.N.O. GYP BD. WALLS SHALL RECEIVE PE-1
B. U.N.O. ALL RECESSED WIREWAYS, ACCESS PANELS, GRILLES, ELEC PANELS AND ALL OTHER SUCH ARCHITECTURAL, ELECTRICAL AND MECHANICAL DEVICES SHALL BE FINISHED TO MATCH ADJACENT WALL OR CEILING COLOR.
C. U.N.O.ALL PAINTED HOLLOW METAL FRAMES AND DOORS SHALL RECEIVE PS-1. SEE WALL FINISH PLANS FOR NOTED EXCEPTIONS
D. REFER TO WALL FINISH PLANS AND/OR INTERIOR ELEVATIONS FOR EXTENT AND PATTERNING OF PORCELAIN AND CERAMIC WALL TILE
E. WALLS IN DATA ROOMS ARE TO RECEIVE FIRE RATED PLYWOOD, FIRE RATED PAINTED COLOR: BLACK: FINISH: FLAT
F. ON WALLS SCHEDULED TO RECEIVE PORCELAIN TILE, PROVIDE SCHLUTER FINEC TRIM PIECE ON ALL OUTSIDE CORNER U.N.O.

FLOORING

A. U.N.O. ALL AREAS RECEIVING RESILIENT FLOORING (TILE OR SHEET GOODS) AND/ OR CARPET SHALL RECEIVE RB-1.
B. FEATHER ALL FLOORING MATERIALS AS REQUIRED TO ENSURE A LEVEL TRANSITION BETWEEN MATERIALS OF VARYING THICKNESS.
C. U.N.O. TRANSITION ALL FLOOR FINISHES AT CENTER OF DOOR WHEN IN THE "CLOSED" POSITION.
D. CONTINUE ALL SCHEDULED FLOORING MATERIAL UNDER MILLWORK AND INTO ALL RECESSES U.N.O.
E. MAINTAIN UNIFORMITY OF FLOOR COVERING DIRECTION U.N.O.
F. MINIMIZE NUMBER OF SEAMS, PLACE SEAMS IN INCONSPICUOUS AND LOW TRAFFIC AREAS WHERE POSSIBLE.
G. REFERENCE FLOORING GRAINING SYMBOL FOR CORRECT INSTALLATION DIRECTION OF FLOOR GRAINING. **DO NOT FOLLOW HATCH PATTERN DIRECTION SHOWN ON PLANS.**
H. GC TO PROVIDE ARCHITECT SEAMING DIAGRAM AND INSTALLATION PLAN FOR ALL FLOORING PRIOR TO INSTALLATION OF ANY AND ALL FLOOR COVERINGS.
I. ALL SHEET RESILIENT FLOORING IS TO BE HEAT WELDED. GC TO SUBMIT MANUFACTURERS FULL LINE OF SAMPLES FOR ARCHITECT SELECTION.

WALL PROTECTION

A. REFER TO WALL FINISH PLAN FOR CORNERGUARDS AND HIGH IMPACT PANEL LOCATIONS.
B. PROVIDE ALL FINISH PIECES ON ALL WALL PROTECTION PRODUCTS U.N.O.
C. PROVIDE ALL COORDINATING TRIM PIECES ON ALL HIGH IMPACT WALL PANELS. BUTT JOINT VERTICAL SEAMS AND SEAL WITH COLOR MATCH CAULK.
D. PROVIDE CORNERGUARDS AT ALL EXTERIOR CORNERS U.N.O./ CORNERGUARDS ARE NOT TO BE USED ON EXTERIOR CORNERS SCHEDULED TO RECEIVE WALL TILE U.N.O.
E. CONTRACTOR TO VERIFY ANGLE OF ALL CORNERS BEFORE PURCHASE AND INSTALLATION OF ALL CORNERGUARDS.
F. ALL CORNERGUARDS TO RUN FROM TOP OF BASE TO FINISHED CEILING U.N.O./ CORNERGUARDS ON HALF WALLS TO RUN FROM TOP OF BASE TO UNDERSIDE OF WALL CAP U.N.O.
G. DO NOT RUN WALL PROTECTION PANELS/TRIM BEHIND CASEWORK. PANELS/TRIM TO BE INSTALLED TIGHT TO THE CASEWORK (DO NOT CUT SHORT)

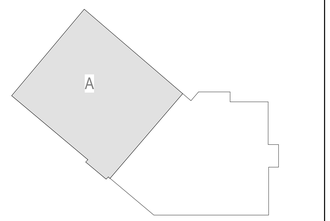
MILLWORK

A. U.N.O. ALL VERTICAL SURFACES OF CASEWORK/ MILLWORK TO RECEIVE PLAM-1. ALL COUNTERTOPS AND BACKSPLASHES SURFACES TO RECEIVE SS-1 OR SS-2 SEE FINISH LEGEND FOR MORE INFORMATION ON LOCATIONS / REFER TO CASEWORK/MILLWORK ELEVATIONS FOR MORE INFORMATION.
B. U.N.O. ALL WOOD GRAIN LAMINATE IS TO BE INSTALLED WITH THE GRAINING RUNNING VERTICALLY. SEE INTERIOR ELEVATIONS FOR NOTED EXCEPTIONS
C. ALL EXPOSED SURFACES OF MILLWORK TO BE COVERED WITH LAMINATE, NO MELAMINE OR UNFINISHED SURFACES WILL BE ACCEPTED.
D. GLASS LOCATED IN AND AROUND CARE TEAM STATIONS IS TO BE COUNTERSUNK IN TRANSACTION TOPS (AT BOTTOM OF PANEL) AND IN CEILING SOFFIT (AT TOP OF PANEL) TYP. U.N.O. SEE MILLWORK SECTIONS FOR MORE INFORMATION
E. PROVIDE 1" DEEP TOE KICK ON SIDES OF ALL MILLWORK PIECES THAT DO NOT TERMINATE AT WALL U.N.O./ THIS AREA IS TO RECEIVE RB. RUBBER BASE APPLIED TO PANELS WILL NOT BE ACCEPTED U.N.O./ COORDINATED HEIGHTS WITH ELEVATIONS
F. ALL SOLID SURFACE PRODUCTS ARE TO HAVE EASED EDGES TO ENSURE NO SHARP CORNERS
G. INCLUDE FIELD CUT GROMMETS IN ALL COUNTERTOPS TO ACCOMMODATE UNDERCOUNTER POWER/ COORDINATE WITH OWNER ON EXACT LOCATIONS



A1 / A126A **LEVEL 02 - WALL FINISH PLAN - AREA A**
1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 37168 LANDSCAPE ARCHITECT MARIE COMMERCIAL 02/09/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
LEVEL 2 WALL FINISH PLAN - AREA A

SHEET NO. A126A
PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF SIGNING CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SHALL BE DESTROYED UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

FINISH ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE	PLAM	PLASTIC LAMINATE
CG	CORNERGUARD	PS	PAINT - SEMI GLOSS
CPT	CARPET TILE	QZ	QUARTZ
CWT	CERAMIC WALL TILE	RAF	RAISED ACCESS FLOORING
DP	DECORATIVE PANEL	RB	RUBBER COVE BASE
EPY	RESINOUS FLOORING	RESP	RESIN PANEL
EPYB	RESINOUS FLOORING BASE	RS	ROLLER WINDOW SHADE
EPT	EPOXY TERRAZZO	RST	RUBBER STAIR TREAD & RISER
FRL	FIBERGLASS REINFORCED LAMINATE	SC	SEALED CONCRETE
GB	GLASS MARKER BOARD	SP	SIGNAGE PANEL
HIP	HIGH IMPACT PANEL	SS	SOLID SURFACE
HR	HANDRAIL	T	TRIM
LVT	LUXURY VINYL FLOORING	TER	TERRAZZO FLOORING
PE	PAINT - EGGSHELL FINISH	WD	WOOD CEILING
PEP	PAINT - EPOXY- EGGSHELL FINISH	WDB	WOOD BASE
PF	PAINT - FLAT	WOM	WALK OFF MAT
POR	PORCELAIN TILE	WP	WALL PROTECTION
PORB	PORCELAIN TILE BASE	WSSV	WELDED SEAM SHEET VINYL
PORW	PORCELAIN WALL TILE	WSSB	WELDED SEAM SHEET VINYL BASE

FINISH KEYNOTES

1. PROVIDE RB 2 MILLWORK BASE THIS ROOM/AREA
2. PROVIDE SCHLUTER COVE BASE DILEX AHK TO TRANSITION FLOOR TILE TO WALL TILE/TILE BASE
3. PROVIDE 6" INTEGRAL BASE THIS ROOM/AREA
4. FULL HEIGHT WALL TILE ALL WALLS THIS ROOM/AREA PORW-2 U.N.O.
5. SEE INTERIOR ELEVATION SHEETS FOR MORE INFORMATION
6. PE 2 ALL WALLS THIS ROOM/ AREA
7. PS 1 ALL WALLS THIS ROOM/ AREA
8. COORDINATE EXAM DOOR SURROUND. SEE ELEVATION B2/A419 FOR EXTENTS AND LOCATION OF PAINT
9. PEP 3 ALL WALLS THIS ROOM/AREA
10. PROVIDE 6" POR 2 BASE THIS ROOM/AREA
11. PROVIDE RB 3 AS BASE ON CUSTOMER SIDE (NON STAFF SIDE) OF THIS MILLWORK ITEM
12. PEP 4 ALL WALLS THIS ROOM/AREA

FINISH GENERAL NOTES

CEILING

A. U.N.O. ALL ACOUSTICAL CEILING TILE SHALL BE ACT 1. REFER TO REFLECTED CEILING PLANS FOR EXCEPTIONS.
B. U.N.O. ALL GYPSUM BOARD CEILINGS ARE TO RECEIVE PF-9/ CEILINGS IN WET LOCATIONS(I.E. TOILET ROOMS, TOILET SHOWER ROOMS AND PROCEDURE ROOMS TO RECEIVE PS-9. REFER TO REFLECTED CEILING PLANS FOR NOTED EXCEPTIONS FOR PAINT COLOR AND FINISH DESIGNATIONS
C. ALL CUT TEGULAR TILE IS TO BE FACTORY CUT AND FINISHED TO ENSURE CLEAN CUT AND FINISHED EDGES ON ALL EXPOSED EDGES U.N.O.
D. ALL SOUNDPLY WOOD PLANK (ACT 4) CEILINGS ARE BASED UPON USING 4'X10' PANELS AND 10' PLANKS AS THE TYPICAL UNIT OF SIZE U.N.O.

GENERAL NOTES

A. REFER TO THE PROJECT SPECIFICATIONS REGARDING INTERIOR WOOD DOOR SPECIES, CUT AND STAIN.
B. GC TO PROVIDE A MINIMUM OF 3% ATTIC STOCK OF ALL MATERIALS TO OWNER. PROVIDE MATERIALS IN UNOPENED BOXES.
C. CAULK AT BASE OF DOOR FRAME BETWEEN DOOR FRAME AND RESILIENT FLOORING TYPICAL ALL LOCATIONS. CAULK TO BE COLOR MATCHED TO MATCH DOOR FRAME PAINT COLOR
D. ALL ITEMS EXPOSED TO VIEW SHALL BE FINISHED (I.E. PAINTED, STAINED, ETC.) UNLESS PREFINISHED BY MANUFACTURER. NO UNFINISHED SURFACES WILL BE ACCEPTED U.N.O.
E. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK LEAD TIMES ON ALL FINISH ITEMS SO AS NOT TO DELAY WORK OR WORK OF OTHER TRADES.
F. U.N.O. TILES LESS THAN AN 1/3 OF A FULL PIECE OF TILE WILL NOT BE ACCEPTED. COORDINATE LAYOUT WITH ARCHITECT TO AVOID TILE "SLIVERS".
G. LOCKERS SHALL BE FACTORY FINISHED. GC TO PROVIDE ARCHITECT MANUFACTURERS FULL LINE OF COLOR/ FINISH OFFERINGS FOR SELECTION.
H. PROVIDE ROLLER SHADE AT EACH EXTERIOR WINDOW AND WINDOWS AT INTERIOR WINDOWS U.N.O. SEE FINISH LEGEND AND REFLECTED CEILING PLANS FOR MORE INFORMATION.
I. REFER TO ELECTRICAL INFORMATION FOR LIGHTING ALLOWANCES (DECORATIVE AND TASK LIGHTING) AND TYPES TO BE INCLUDED IN PRICING SET
J. PROVIDE BOBRICK LED BACKLIT MIRRORS IN ALL MULTIPLE FIXTURE PUBLIC TOILETS
K. PROVIDE BOBRICK WELDED FRAME MIRRORS AT ALL OTHER MIRROR LOCATIONS. SIZES AS SPECIFIED IN ELEVATIONS

WALLS

A. U.N.O. GYP BD. WALLS SHALL RECEIVE PE-1
B. U.N.O. ALL RECESSED WIREWAYS, ACCESS PANELS, GRILLES, ELEC PANELS AND ALL OTHER SUCH ARCHITECTURAL, ELECTRICAL AND MECHANICAL DEVICES SHALL BE FINISHED TO MATCH ADJACENT WALL OR CEILING COLOR.
C. U.N.O.ALL PAINTED HOLLOW METAL FRAMES AND DOORS SHALL RECEIVE PS-1. SEE WALL FINISH PLANS FOR NOTED EXCEPTIONS
D. REFER TO WALL FINISH PLANS AND/OR INTERIOR ELEVATIONS FOR EXTENT AND PATTERNING OF PORCELAIN AND CERAMIC WALL TILE
E. WALLS IN DATA ROOMS ARE TO RECEIVE FIRE RATED PLYWOOD, FIRE RATED PAINTED COLOR: BLACK: FINISH: FLAT
F. ON WALLS SCHEDULED TO RECEIVE PORCELAIN TILE, PROVIDE SCHLUTER FINEC TRIM PIECE ON ALL OUTSIDE CORNER U.N.O.

FLOORING

A. U.N.O. ALL AREAS RECEIVING RESILIENT FLOORING (TILE OR SHEET GOODS) AND/ OR CARPET SHALL RECEIVE RB-1.
B. FEATHER ALL FLOORING MATERIALS AS REQUIRED TO ENSURE A LEVEL TRANSITION BETWEEN MATERIALS OF VARYING THICKNESS.
C. U.N.O. TRANSITION ALL FLOOR FINISHES AT CENTER OF DOOR WHEN IN THE "CLOSED" POSITION.
D. CONTINUE ALL SCHEDULED FLOORING MATERIAL UNDER MILLWORK AND INTO ALL RECESSES U.N.O.
E. MAINTAIN UNIFORMITY OF FLOOR COVERING DIRECTION U.N.O.
F. MINIMIZE NUMBER OF SEAMS, PLACE SEAMS IN INCONSPICUOUS AND LOW TRAFFIC AREAS WHERE POSSIBLE.
G. REFERENCE FLOORING GRAINING SYMBOL FOR CORRECT INSTALLATION DIRECTION OF FLOOR GRAINING. **DO NOT FOLLOW HATCH PATTERN DIRECTION SHOWN ON PLANS.**
H. GC TO PROVIDE ARCHITECT SEAMING DIAGRAM AND INSTALLATION PLAN FOR ALL FLOORING PRIOR TO INSTALLATION OF ANY AND ALL FLOOR COVERINGS.
I. ALL SHEET RESILIENT FLOORING IS TO BE HEAT WELDED. GC TO SUBMIT MANUFACTURERS FULL LINE OF SAMPLES FOR ARCHITECT SELECTION.

WALL PROTECTION

A. REFER TO WALL FINISH PLAN FOR CORNERGUARDS AND HIGH IMPACT PANEL LOCATIONS.
B. PROVIDE ALL FINISH PIECES ON ALL WALL PROTECTION PRODUCTS U.N.O.
C. PROVIDE ALL COORDINATING TRIM PIECES ON ALL HIGH IMPACT WALL PANELS. BUTT JOINT VERTICAL SEAMS AND SEAL WITH COLOR MATCH CAULK.
D. PROVIDE CORNERGUARDS AT ALL EXTERIOR CORNERS U.N.O./ CORNERGUARDS ARE NOT TO BE USED ON EXTERIOR CORNERS SCHEDULED TO RECEIVE WALL TILE U.N.O.
E. CONTRACTOR TO VERIFY ANGLE OF ALL CORNERS BEFORE PURCHASE AND INSTALLATION OF ALL CORNERGUARDS.
F. ALL CORNERGUARDS TO RUN FROM TOP OF BASE TO FINISHED CEILING U.N.O./ CORNERGUARDS ON HALF WALLS TO RUN FROM TOP OF BASE TO UNDERSIDE OF WALL CAP U.N.O.
G. DO NOT RUN WALL PROTECTION PANELS/TRIM BEHIND CASEWORK. PANELS/TRIM TO BE INSTALLED TIGHT TO THE CASEWORK (DO NOT CUT SHORT)

MILLWORK

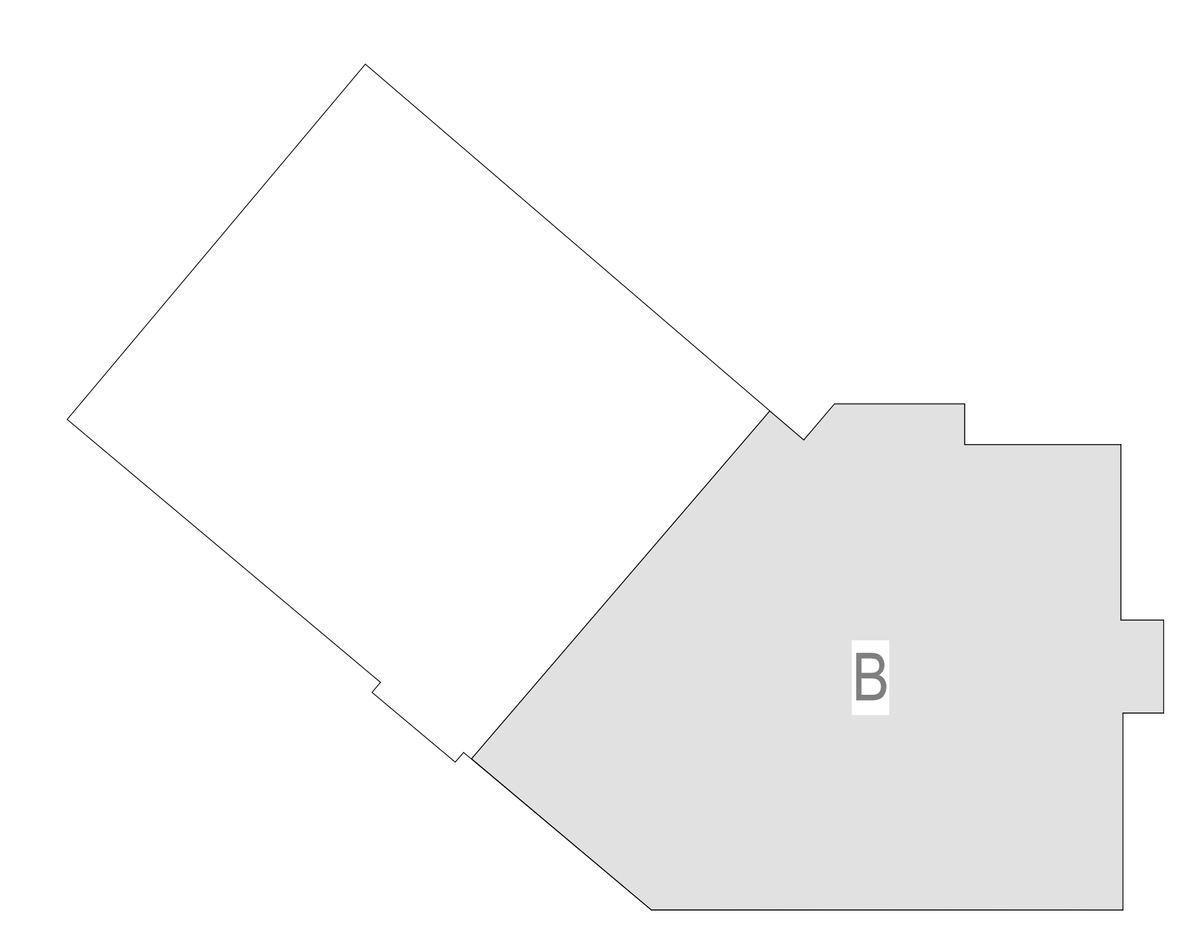
A. U.N.O. ALL VERTICAL SURFACES OF CASEWORK/ MILLWORK TO RECEIVE PLAM-1. ALL COUNTERTOPS AND BACKSPLASHES SURFACES TO RECEIVE SS-1 OR SS-2 SEE FINISH LEGEND FOR MORE INFORMATION ON LOCATIONS / REFER TO CASEWORK/MILLWORK ELEVATIONS FOR MORE INFORMATION.
B. U.N.O. ALL WOOD GRAIN LAMINATE IS TO BE INSTALLED WITH THE GRAINING RUNNING VERTICALLY. SEE INTERIOR ELEVATIONS FOR NOTED EXCEPTIONS
C. ALL EXPOSED SURFACES OF MILLWORK TO BE COVERED WITH LAMINATE, NO MELAMINE OR UNFINISHED SURFACES WILL BE ACCEPTED.
D. GLASS LOCATED IN AND AROUND CARE TEAM STATIONS IS TO BE COUNTERSUNK IN TRANSACTION TOPS (AT BOTTOM OF PANEL) AND IN CEILING SOFFIT (AT TOP OF PANEL) TYP. U.N.O. SEE MILLWORK SECTIONS FOR MORE INFORMATION
E. PROVIDE 1" DEEP TOE KICK ON SIDES OF ALL MILLWORK PIECES THAT DO NOT TERMINATE AT WALL U.N.O./ THIS AREA IS TO RECEIVE RB. RUBBER BASE APPLIED TO PANELS WILL NOT BE ACCEPTED U.N.O./ COORDINATED HEIGHTS WITH ELEVATIONS
F. ALL SOLID SURFACE PRODUCTS ARE TO HAVE EASED EDGES TO ENSURE NO SHARP CORNERS
G. INCLUDE FIELD CUT GROMMETS IN ALL COUNTERTOPS TO ACCOMMODATE UNDERCOUNTER POWER/ COORDINATE WITH OWNER ON EXACT LOCATIONS



A1 / A126B **LEVEL 02 - WALL FINISH PLAN - AREA B**

1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED ARCHITECT SEAL 17168 LISA MARIE CONNELL 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE:	02/06/2026
PHASE:	PERMIT SET

SHEET ISSUE:

NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE:	M. SHEWARD
PROJECT ARCHITECT:	L. HOWELL
DRAWN BY:	Author

SHEET TITLE:

LEVEL 2 WALL FINISH PLAN - AREA B

SHEET NO. PROJ. NO. 024370.01

A126B

4/2/2026 12:00:43 PM Autodesk Docs://024370.00_Brunswick County Health & Human Services/ARCH_Brunswick County Health and Human Servic_R23.rvt

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2026 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

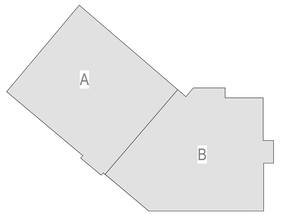


A1 A129 **LEVEL 02 - FFE PLAN**

3/32" = 1'-0"

FOR REFERENCE ONLY

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 54314 NORTH CAROLINA CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17168 MARIE CONNELLY 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:

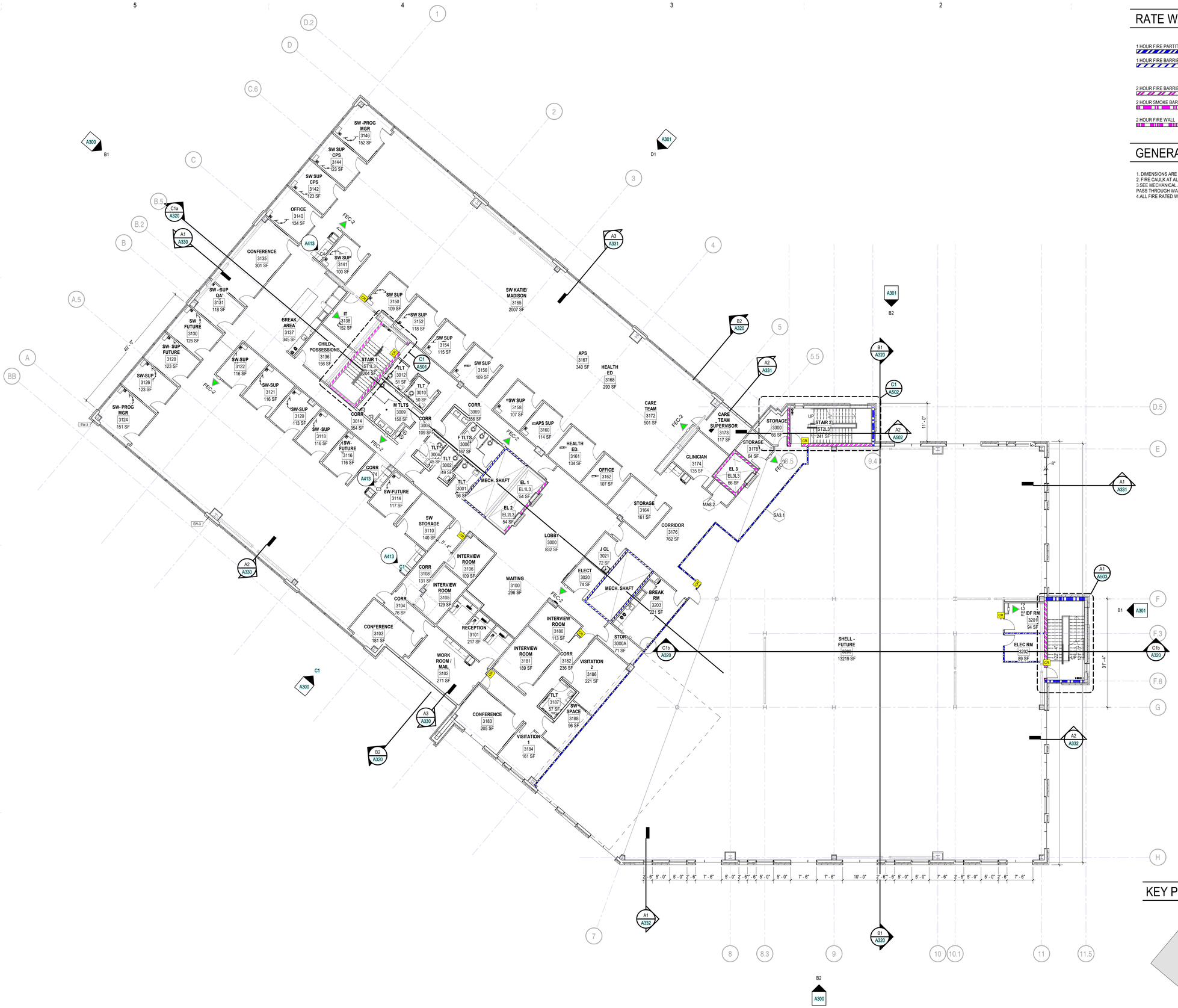
NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
LEVEL 2 FFE PLAN

SHEET NO. A129

PROJ. NO. 024370.01



RATE WALL LEGEND

1 HOUR FIRE PARTITION

1 HOUR FIRE BARRIER

2 HOUR FIRE BARRIER

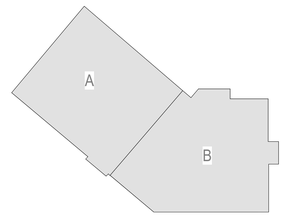
2 HOUR SMOKE BARRIER

2 HOUR FIRE WALL

GENERAL NOTES

1. DIMENSIONS ARE FROM THE FACE OF STUD U.N.O.
2. FIRE CAULK AT ALL ELECTRICAL CONDUIT PASSING THROUGH WALLS.
3. SEE MECHANICAL AND PLUMBING DRAWINGS FOR DETAILS WHERE DUCTWORK AND PIPING PASS THROUGH WALLS.
4. ALL FIRE RATED WALLS TO EXTEND TO THE INTERIOR FACE OF EXTERIOR WALL SYSTEM.

KEY PLAN



PROJECT NORTH

A1 / A130 **LEVEL 03 - OVERALL FLOOR PLAN**

3/32" = 1'-0"

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF SIGNING CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY, IF DIRECTED BY THE ARCHITECT, DESTROYED. THE ARCHITECT RETAINS ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING THE COPYRIGHT, IN THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. © COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, PC REGISTERED ARCHITECTURE CORPORATION CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17168 MARIE COMMERCIAL 02/09/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

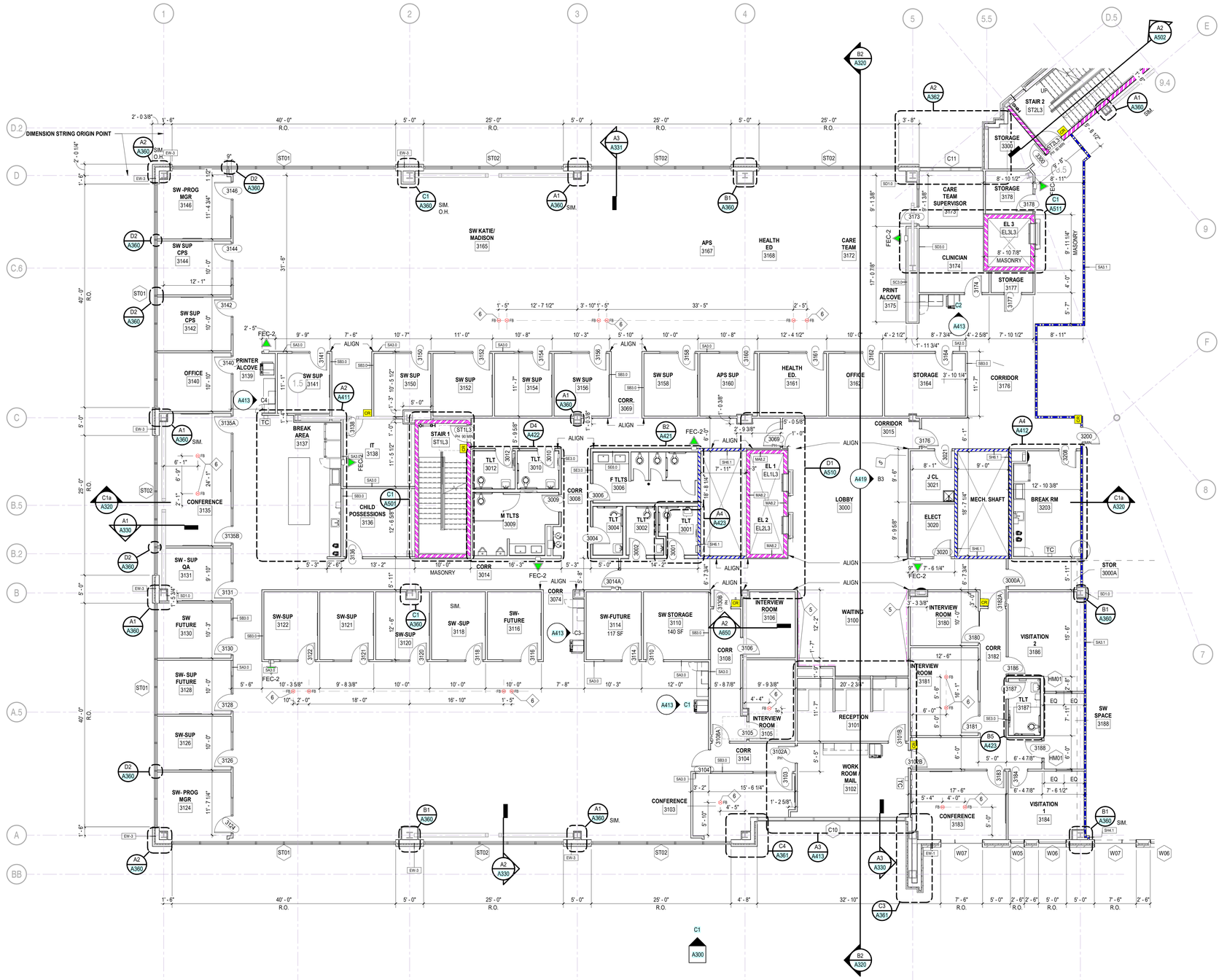
PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

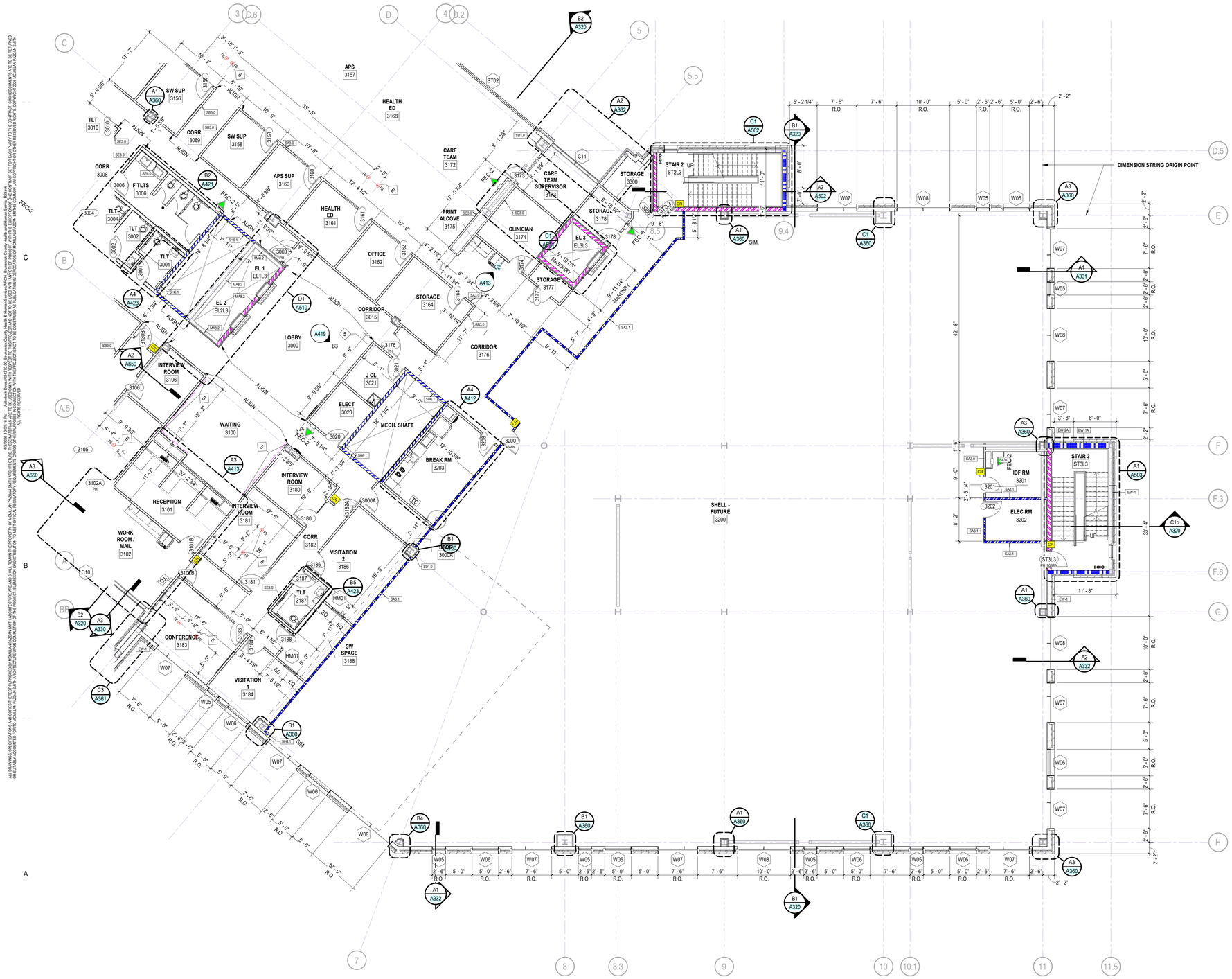
SHEET TITLE:
LEVEL 3 OVERALL PLAN

SHEET NO. A130

PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THEY ARE NOT TO BE USED ON ANY OTHER PROJECT AND WITH RESPECT TO THIS PROJECT ARE NOT TO BE LOANED, COPIED OR DISCLOSED TO ANY UNAUTHORIZED PERSON OR ENTITY WITHOUT THE CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE, WHICH CONSENT IS HEREBY EXPRESSLY RESERVED. ANY REUSE WITHOUT SUCH CONSENT OR FOR ANY PROJECT OTHER THAN THE PROJECT, IS WITHOUT LIABILITY TO MCMILLAN PAZDAN SMITH ARCHITECTURE AND IS AT THE USER'S SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO MCMILLAN PAZDAN SMITH ARCHITECTURE. USER SHALL INDEMNIFY AND HOLD HARMLESS MCMILLAN PAZDAN SMITH ARCHITECTURE FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING ATTORNEYS' FEES, ARISING OUT OF OR RESULTING FROM SUCH REUSE. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THIS PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. © COPYRIGHT 2025 MCMILLAN PAZDAN SMITH ARCHITECTURE ALL RIGHTS RESERVED


DIMENSION STRING ORIGIN POINT
SW -PROG MGR 3146
SW SUP CPS 3144
SW SUP CPS 3142
OFFICE 3140
PRINTER ALCOVE 3139
CONFERENCE 3135
SW - SUP QA 3131
SW FUTURE 3130
SW- SUP FUTURE 3128
SW-SUP 3126
SW- PROG MGR 3124
BREAK AREA 3137
IT 3138
CHILD POSSESSIONS 3136
SW SUP 3141
SW SUP 3150
SW SUP 3152
SW SUP 3154
SW SUP 3156
CORR. 3069
SW SUP 3158
APS SUP 3160
HEALTH ED. 3161
OFFICE 3162
STORAGE 3164
CORRIDOR 3176
STAIR 1 ST1L3
TLT 3012
TLT 3010
M TLTS 3009
CORR 3008
F TLTS 3006
TLT 3004
TLT 3002
TLT 3001
CORR 3014
SW-SUP 3122
SW-SUP 3121
SW-SUP 3120
SW -SUP 3118
SW- FUTURE 3116
SW-FUTURE 3114 117 SF
SW STORAGE 3110 140 SF
CORR 3074
CORR 3108
INTERVIEW ROOM 3106
INTERVIEW ROOM 3105
CORR 3104
CONFERENCE 3103
WORK ROOM / MAIL 3102
RECEPTION 3101
WAITING 3100
CORRIDOR 3015
LOBBY 3000
J CL 3021
ELECT 3020
MECH. SHAFT
BREAK RM 3203
STAIR 2 ST2L3
STORAGE 3300
STORAGE 3178
CARE TEAM SUPERVISOR 3179
CLINICIAN 3174
PRINT ALCOVE 3175
STORAGE 3177
EL 3 EL3L3
8' - 10 7/8" MASONRY
8' - 11 1/4" MASONRY
SW SPACE 3188
VISITATION 2 3186
VISITATION 1 3184
CONFERENCE 3183
INTERVIEW ROOM 3180
INTERVIEW ROOM 3181
SW KATIE/ MADISON 3165
APS 3167
HEALTH ED 3168
CARE TEAM 3172
FEC-2
FEC-1
ALIGN
SIM.
O.H.
MASONRY
R.O.
CR
FB
TC
SHE1.1
SHE1.2
SHE1.3
SHE1.4
SHE1.5
SHE1.6
SHE1.7
SHE1.8
SHE1.9
SHE1.10
SHE1.11
SHE1.12
SHE1.13
SHE1.14
SHE1.15
SHE1.16
SHE1.17
SHE1.18
SHE1.19
SHE1.20
SHE1.21
SHE1.22
SHE1.23
SHE1.24
SHE1.25
SHE1.26
SHE1.27
SHE1.28
SHE1.29
SHE1.30
SHE1.31
SHE1.32
SHE1.33
SHE1.34
SHE1.35
SHE1.36
SHE1.37
SHE1.38
SHE1.39
SHE1.40
SHE1.41
SHE1.42
SHE1.43
SHE1.44
SHE1.45
SHE1.46
SHE1.47
SHE1.48
SHE1.49



LEVEL 03 - ANNOTATION PLAN - AREA B

A1 / A131B — 1/8" = 1'-0"

GENERAL NOTES

1. ALL WORK SHALL MEET THE MINIMUM REQUIREMENTS OF THE LATEST ADOPTED EDITIONS OF THE APPLICABLE CODES, AS INDICTED ON THIS SHEET AND ALL OTHER LOCAL, STATE OR FEDERAL CODES OR REGULATIONS HAVING JURISDICTION.
2. DO NOT SCALE DRAWINGS. CLARIFY ANY DIMENSIONAL DISCREPANCIES WITH THE ARCHITECT PRIOR TO CONTINUING WITH THE WORK.
3. CLARIFY ANY COORDINATION DISCREPANCIES BETWEEN ENGINEER DRAWINGS AND ARCHITECTURAL DRAWINGS WITH THE ARCHITECT PRIOR TO CONTINUING WITH THE WORK.
4. ALL WORK LISTED, SHOWN OR IMPLIED ON THE CONSTRUCTION DOCUMENTS SHALL BE SUPPLIED AND INSTALLED BY THE GENERAL CONTRACTOR EXCEPT WHERE OTHERWISE NOTED.

RATED WALLS LEGEND

- 1 HOUR FIRE PARTITION
- 1 HOUR FIRE BARRIER
- 1 HOUR SMOKE BARRIER
- 2 HOUR FIRE BARRIER
- 2 HOUR SMOKE BARRIER
- 2 HOUR FIRE WALL

GENERAL FLOOR PLAN NOTES

A. ALL WALLS ARE SB3 UNLESS NOTED OTHERWISE. SEE SHEET A002 FOR MORE INFORMATION ON WALL TYPES.
B. EXTERIOR DIMENSIONS ARE TO FACE OF STUD OR FACE OF CMU BACKUP OR CONCRETE WALL UNLESS NOTED OTHERWISE.
C. INTERIOR DIMENSIONS INDICATED ARE TO FACE OF STUD AND CENTERLINES OF COLUMNS, UNLESS NOTED OTHERWISE.
D. LOCATE DOOR OPENINGS 6" FROM NEAREST PERPENDICULAR WALL UNLESS NOTED OTHERWISE.
E. FIRE AND SOUND RATED WALLS/PARTITIONS TO BE CONSTRUCTED TIGHT TO STRUCTURE, PIPING, DUCTWORK AND OTHER PENETRATIONS. ALL WORK IS TO BE BRACED TO STRUCTURE ABOVE.
F. WHERE PARTITIONS OF DIFFERENT FIRE RATINGS INTERSECT, THE HIGHEST RATED PARTITION SHALL CONTINUE THROUGH, MAINTAIN PARTITION FIRE RATING BEHIND FIRE EXTINGUISHER CABINETS.
G. INSTALL BLOCKING IN PARTITIONS FOR CASEWORK, WALL MOUNTED EQUIPMENT, GRAB BARS, TRIM AND RELATED CONSTRUCTION.
H. SEE LIFE SAFETY PLANS FOR REQUIRED FIRE SEPARATION WALLS.
I. SEE A001-A003 FOR CONSTRUCTION SUBSYSTEMS.
J. SEE BUILDING ELEVATION DRAWINGS FOR LOCATION OF EXTERIOR CONTROL JOINTS.
K. CEILING SEISMIC DETAILS ARE PROVIDED TO ILLUSTRATE THE GENERAL REQUIREMENTS OF CISCA'S "GUIDELINES FOR SEISMIC RESTRAINT, ZONES 3 & 4 AND THE IBC, CHAPTER 16. CONTRACTOR IS RESPONSIBLE FOR MEETING ALL APPLICABLE PROVISIONS OF THESE STANDARDS. IN CASE OF A CONFLICT, THE MORE STRINGENT REQUIREMENT WILL BE ENFORCED.

PLAN LEGEND

- A — WINDOW / CURTAIN WALL TAG
- SA3.0 — WALL TAG
- 01 — KEYNOTE
- TC — TIME CLOCK
- AC — ATOMIC CLOCK
- CR — CARD READER
- FB — POWER/DATA FLOOR BOX SEE ELECTRICAL
- IMPACT RESISTANT GYPSUM WALL BOARD TO 48" HIGH. SEE A004 FOR SPECIFIC WALL TYPE CONSTRUCTION

DOOR TAG:

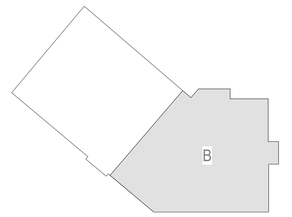
122A / 45 MIN
- FLOOR # = 1 OR 2 DIGITS
- ROOM # = 2 OR 3 DIGITS
- DOOR SEQUENCE (ALPHABETIC)
- DOOR RATING (IF SHOWN)

SHEET NOTE LEGEND

FLOOR PLAN SHEET NOTES

NUMBER	DESCRIPTION	Sheet Series
5	IMPACT RESISTANT GYPSUM BOARD WALL BOARD TO 48" HIGH. SEE A004 FOR SPECIFIC WALL TYPE CONSTRUCTION.	A1
6	FLOOR OUTLETS. SEE ELECTRICAL DRAWING FOR ADDITION INFORMATION	A1
7	ATOMIC CLOCK	A1
8	CENTRAL DISTRIBUTION BOX- ANTENNA	A1
10	TIME CLOCK	A1
11	COORDINATE EXAM DOOR SURROUND. SEE ELEVATION B5/A419	A1

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED — SEAL 17165 — MARIE CONSTANCE — 02/09/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: D. KIM

SHEET TITLE:

LEVEL 3 ANNOTATION/ DIMENSION PLAN - AREA B

SHEET NO. A131B

PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY IN THE EXECUTION OF THE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

4/2/2026 12:01:22 PM Autodesk Docs://024370.00_Brunswick County Health & Human Services/ARCH_Brunswick County Health and Human Servic_R23.rvt

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2026 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

FINISH KEYNOTES

1. PROVIDE RB 2 MILLWORK BASE THIS ROOM/AREA
2. PROVIDE SCHLUTER COVE BASE DILEX AHK TO TRANSITION FLOOR TILE TO WALL TILE/TILE BASE
3. PROVIDE 6" INTEGRAL BASE THIS ROOM/AREA
4. FULL HEIGHT WALL TILE ALL WALLS THIS ROOM/AREA PORW-2 U.N.O.
5. SEE INTERIOR ELEVATION SHEETS FOR MORE INFORMATION
6. PE 2 ALL WALLS THIS ROOM/ AREA
7. PS 1 ALL WALLS THIS ROOM/ AREA
8. COORDINATE EXAM DOOR SURROUND. SEE ELEVATION B2/A419 FOR EXTENTS AND LOCATION OF PAINT
9. PEP 3 ALL WALLS THIS ROOM/AREA
10. PROVIDE 6" POR 2 BASE THIS ROOM/AREA
11. PROVIDE RB 3 AS BASE ON CUSTOMER SIDE (NON STAFF SIDE) OF THIS MILLWORK ITEM
12. PEP 4 ALL WALLS THIS ROOM/AREA

FINISH ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE	PLAM	PLASTIC LAMINATE
CG	CORNERGUARD	PS	PAINT - SEMI GLOSS
CPT	CARPET TILE	QZ	QUARTZ
CWT	CERAMIC WALL TILE	RAF	RAISED ACCESS FLOORING
DP	DECORATIVE PANEL	RB	RUBBER COVE BASE
EPY	RESINOUS FLOORING	RESP	RESIN PANEL
EPYB	RESINOUS FLOORING BASE	RS	ROLLER WINDOW SHADE
EPT	EPOXY TERRAZZO	RST	RUBBER STAIR TREAD & RISER
FRL	FIBERGLASS REINFORCED LAMINATE	SC	SEALED CONCRETE
GB	GLASS MARKER BOARD	SP	SIGNAGE PANEL
HIP	HIGH IMPACT PANEL	SS	SOLID SURFACE
HR	HANDRAIL	T	TRIM
LVT	LUXURY VINYL FLOORING	TER	TERRAZZO FLOORING
PE	PAINT - EGGSHELL FINISH	WD	WOOD CEILING
PEP	PAINT - EPOXY- EGGSHELL FINISH	WDB	WOOD BASE
PF	PAINT - FLAT	WOM	WALK OFF MAT
POR	PORCELAIN TILE	WP	WALL PROTECTION
PORB	PORCELAIN TILE BASE	WSSV	WELDED SEAM SHEET VINYL
PORW	PORCELAIN WALL TILE	WSSB	WELDED SEAM SHEET VINYL BASE

FLOOR FINISH LEGEND

CPT-1, CPT-2, CPT-3, CPT-4, CPT-5, CPT-6, CPT-7, CPT-8, LVT-1, LVT-2, LVT-3, LVT-4, LVT-5, LVT-6, POR-1, POR-2, WOM-1, WSSV-1, RST-1, SC, FLOOR GRAINING DIRECTION

FINISH GENERAL NOTES

CEILING

A. U.N.O. ALL ACOUSTICAL CEILING TILE SHALL BE ACT 1. REFER TO REFLECTED CEILING PLANS FOR EXCEPTIONS.
B. U.N.O. ALL GYPSUM BOARD CEILINGS ARE TO RECEIVE PF-9/ CEILINGS IN WET LOCATIONS(I.E. TOILET ROOMS, TOILET SHOWER ROOMS AND PROCEDURE ROOMS TO RECEIVE PS-9. REFER TO REFLECTED CEILING PLANS FOR NOTED EXCEPTIONS FOR PAINT COLOR AND FINISH DESIGNATIONS
C. ALL CUT TEGULAR TILE IS TO BE FACTORY CUT AND FINISHED TO ENSURE CLEAN CUT AND FINISHED EDGES ON ALL EXPOSED EDGES U.N.O.
D. ALL SOUNDPLY WOOD PLANK (ACT 4) CEILINGS ARE BASED UPON USING 4'X10' PANELS AND 10' PLANKS AS THE TYPICAL UNIT OF SIZE U.N.O.

GENERAL NOTES

A. REFER TO THE PROJECT SPECIFICATIONS REGARDING INTERIOR WOOD DOOR SPECIES, CUT AND STAIN.
B. GC TO PROVIDE A MINIMUM OF 3% ATTIC STOCK OF ALL MATERIALS TO OWNER. PROVIDE MATERIALS IN UNOPENED BOXES.
C. CAULK AT BASE OF DOOR FRAME BETWEEN DOOR FRAME AND RESILIENT FLOORING TYPICAL ALL LOCATIONS. CAULK TO BE COLOR MATCHED TO MATCH DOOR FRAME PAINT COLOR
D. ALL ITEMS EXPOSED TO VIEW SHALL BE FINISHED (I.E. PAINTED, STAINED, ETC.) UNLESS PREFINISHED BY MANUFACTURER. NO UNFINISHED SURFACES WILL BE ACCEPTED U.N.O.
E. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK LEAD TIMES ON ALL FINISH ITEMS SO AS NOT TO DELAY WORK OR WORK OF OTHER TRADES.
F. U.N.O. TILES LESS THAN AN 1/3 OF A FULL PIECE OF TILE WILL NOT BE ACCEPTED. COORDINATE LAYOUT WITH ARCHITECT TO AVOID TILE "SLIVERS".
G. LOCKERS SHALL BE FACTORY FINISHED. GC TO PROVIDE ARCHITECT MANUFACTURERS FULL LINE OF COLOR/ FINISH OFFERINGS FOR SELECTION.
H. PROVIDE ROLLER SHADE AT EACH EXTERIOR WINDOW AND WINDOWS AT INTERIOR WINDOWS U.N.O. SEE FINISH LEGEND AND REFLECTED CEILING PLANS FOR MORE INFORMATION.
I. REFER TO ELECTRICAL INFORMATION FOR LIGHTING ALLOWANCES (DECORATIVE AND TASK LIGHTING) AND TYPES TO BE INCLUDED IN PRICING SET
J. PROVIDE BOBRICK LED BACKLIT MIRRORS IN ALL MULTIPLE FIXTURE PUBLIC TOILETS
K. PROVIDE BOBRICK WELDED FRAME MIRRORS AT ALL OTHER MIRROR LOCATIONS. SIZES AS SPECIFIED IN ELEVATIONS

WALLS

A. U.N.O. GYP BD. WALLS SHALL RECEIVE PE-1
B. U.N.O. ALL RECESSED WIREWAYS, ACCESS PANELS, GRILLES, ELEC PANELS AND ALL OTHER SUCH ARCHITECTURAL, ELECTRICAL AND MECHANICAL DEVICES SHALL BE FINISHED TO MATCH ADJACENT WALL OR CEILING COLOR.
C. U.N.O.ALL PAINTED HOLLOW METAL FRAMES AND DOORS SHALL RECEIVE PS-1. SEE WALL FINISH PLANS FOR NOTED EXCEPTIONS
D. REFER TO WALL FINISH PLANS AND/OR INTERIOR ELEVATIONS FOR EXTENT AND PATTERNING OF PORCELAIN AND CERAMIC WALL TILE
E. WALLS IN DATA ROOMS ARE TO RECEIVE FIRE RATED PLYWOOD, FIRE RATED PAINTED COLOR: BLACK: FINISH: FLAT
F. ON WALLS SCHEDULED TO RECEIVE PORCELAIN TILE, PROVIDE SCHLUTER FINEC TRIM PIECE ON ALL OUTSIDE CORNER U.N.O.

FLOORING

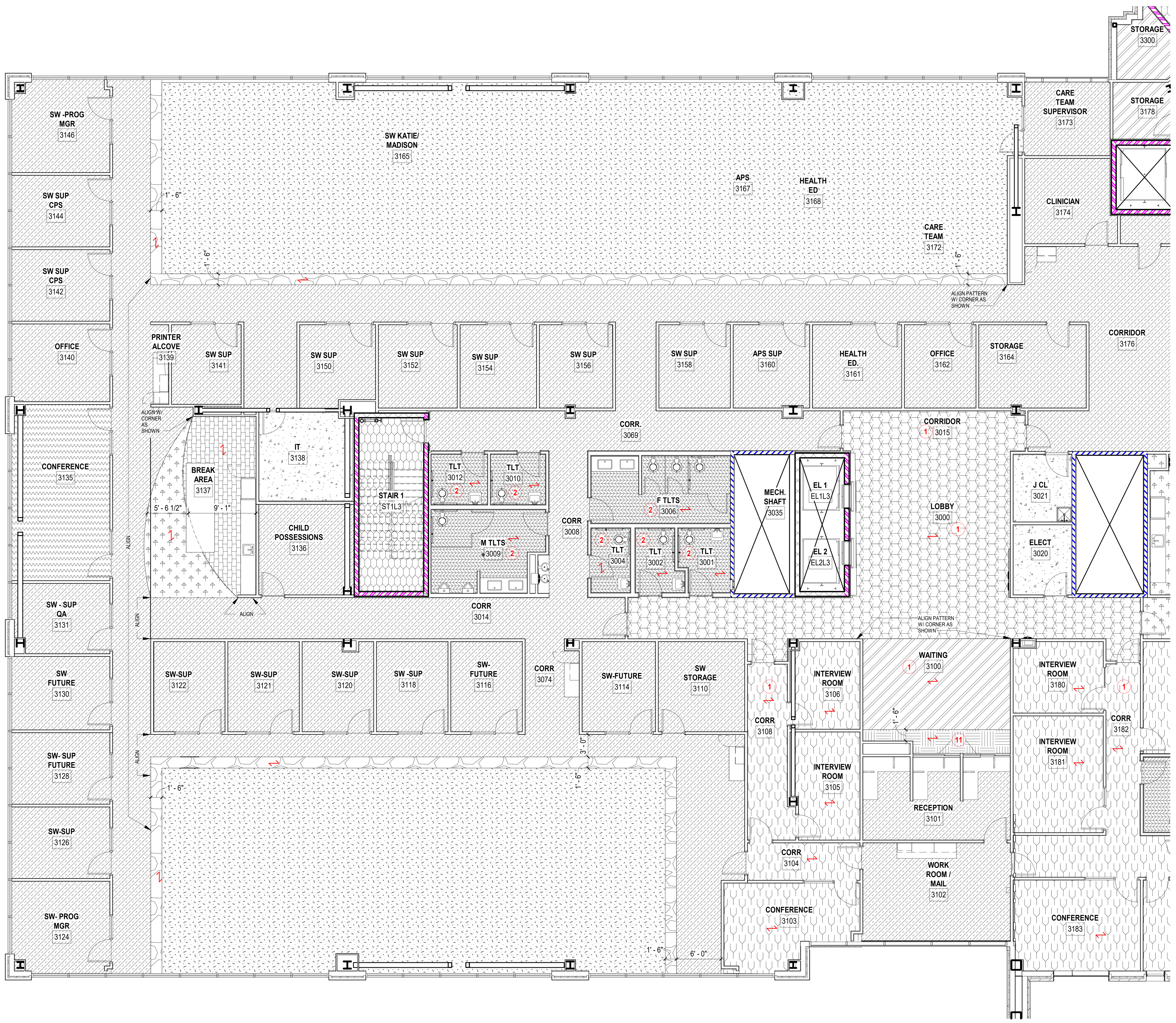
A. U.N.O. ALL AREAS RECEIVING RESILIENT FLOORING (TILE OR SHEET GOODS) AND/ OR CARPET SHALL RECEIVE RB-1.
B. FEATHER ALL FLOORING MATERIALS AS REQUIRED TO ENSURE A LEVEL TRANSITION BETWEEN MATERIALS OF VARYING THICKNESS.
C. U.N.O. TRANSITION ALL FLOOR FINISHES AT CENTER OF DOOR WHEN IN THE "CLOSED" POSITION.
D. CONTINUE ALL SCHEDULED FLOORING MATERIAL UNDER MILLWORK AND INTO ALL RECESSES U.N.O.
E. MAINTAIN UNIFORMITY OF FLOOR COVERING DIRECTION U.N.O.
F. MINIMIZE NUMBER OF SEAMS, PLACE SEAMS IN INCONSPICUOUS AND LOW TRAFFIC AREAS WHERE POSSIBLE.
G. REFERENCE FLOORING GRAINING SYMBOL FOR CORRECT INSTALLATION DIRECTION OF FLOOR GRAINING. **DO NOT FOLLOW HATCH PATTERN DIRECTION SHOWN ON PLANS.**
H. GC TO PROVIDE ARCHITECT SEAMING DIAGRAM AND INSTALLATION PLAN FOR ALL FLOORING PRIOR TO INSTALLATION OF ANY AND ALL FLOOR COVERINGS.
I. ALL SHEET RESILIENT FLOORING IS TO BE HEAT WELDED. GC TO SUBMIT MANUFACTURERS FULL LINE OF SAMPLES FOR ARCHITECT SELECTION.

WALL PROTECTION

A. REFER TO WALL FINISH PLAN FOR CORNERGUARDS AND HIGH IMPACT PANEL LOCATIONS.
B. PROVIDE ALL FINISH PIECES ON ALL WALL PROTECTION PRODUCTS U.N.O.
C. PROVIDE ALL COORDINATING TRIM PIECES ON ALL HIGH IMPACT WALL PANELS. BUTT JOINT VERTICAL SEAMS AND SEAL WITH COLOR MATCH CAULK.
D. PROVIDE CORNERGUARDS AT ALL EXTERIOR CORNERS U.N.O./ CORNERGUARDS ARE NOT TO BE USED ON EXTERIOR CORNERS SCHEDULED TO RECEIVE WALL TILE U.N.O.
E. CONTRACTOR TO VERIFY ANGLE OF ALL CORNERS BEFORE PURCHASE AND INSTALLATION OF ALL CORNERGUARDS.
F. ALL CORNERGUARDS TO RUN FROM TOP OF BASE TO FINISHED CEILING U.N.O./ CORNERGUARDS ON HALF WALLS TO RUN FROM TOP OF BASE TO UNDERSIDE OF WALL CAP U.N.O.
G. DO NOT RUN WALL PROTECTION PANELS/TRIM BEHIND CASEWORK. PANELS/TRIM TO BE INSTALLED TIGHT TO THE CASEWORK (DO NOT CUT SHORT)

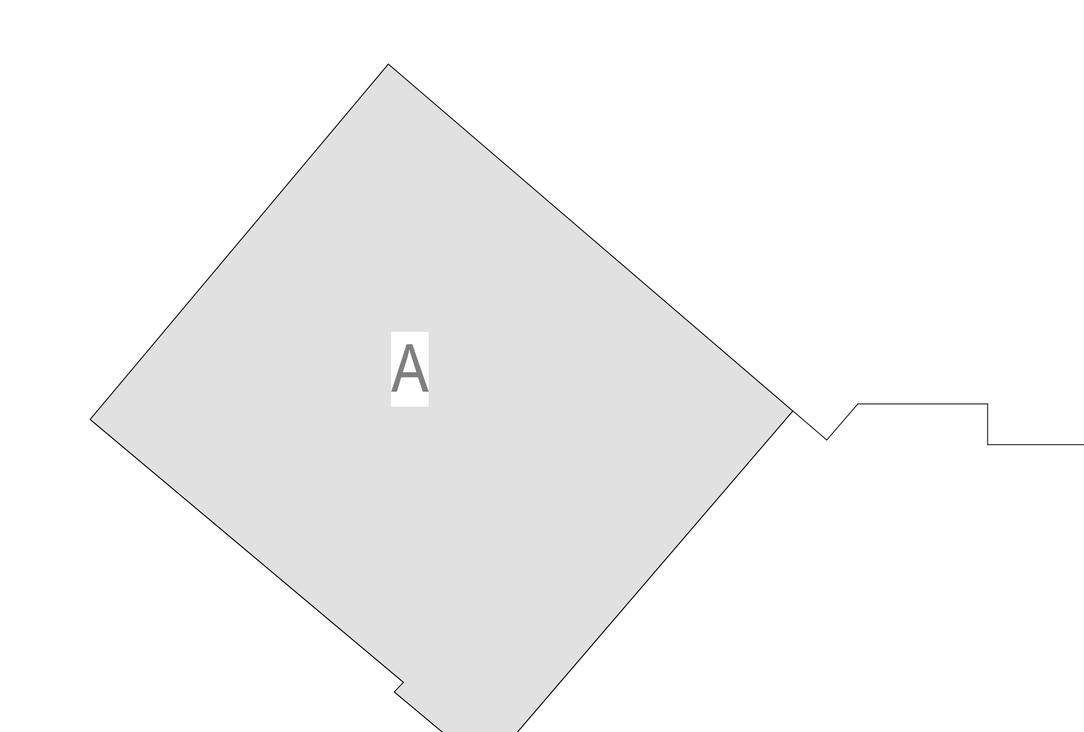
MILLWORK

A. U.N.O. ALL VERTICAL SURFACES OF CASEWORK/ MILLWORK TO RECEIVE PLAM-1. ALL COUNTERTOPS AND BACKSPLASHES SURFACES TO RECEIVE SS-1 OR SS-2 SEE FINISH LEGEND FOR MORE INFORMATION ON LOCATIONS / REFER TO CASEWORK/MILLWORK ELEVATIONS FOR MORE INFORMATION.
B. U.N.O. ALL WOOD GRAIN LAMINATE IS TO BE INSTALLED WITH THE GRAINING RUNNING VERTICALLY. SEE INTERIOR ELEVATIONS FOR NOTED EXCEPTIONS
C. ALL EXPOSED SURFACES OF MILLWORK TO BE COVERED WITH LAMINATE, NO MELAMINE OR UNFINISHED SURFACES WILL BE ACCEPTED.
D. GLASS LOCATED IN AND AROUND CARE TEAM STATIONS IS TO BE COUNTERSUNK IN TRANSACTION TOPS (AT BOTTOM OF PANEL) AND IN CEILING SOFFIT (AT TOP OF PANEL) TYP. U.N.O. SEE MILLWORK SECTIONS FOR MORE INFORMATION
E. PROVIDE 1" DEEP TOE KICK ON SIDES OF ALL MILLWORK PIECES THAT DO NOT TERMINATE AT WALL U.N.O./ THIS AREA IS TO RECEIVE RB. RUBBER BASE APPLIED TO PANELS WILL NOT BE ACCEPTED U.N.O./ COORDINATED HEIGHTS WITH ELEVATIONS
F. ALL SOLID SURFACE PRODUCTS ARE TO HAVE EASED EDGES TO ENSURE NO SHARP CORNERS
G. INCLUDE FIELD CUT GROMMETS IN ALL COUNTERTOPS TO ACCOMMODATE UNDERCOUNTER POWER/ COORDINATE WITH OWNER ON EXACT LOCATIONS



A1 / A135A **LEVEL 03 - FLOOR FINISH PLAN - AREA A**
1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 54314 NORTH CAROLINA CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED ARCHITECT SEAL 17168 LISA MARIE CONNELL 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE:	02/06/2026
PHASE:	PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE:	M. SHEWARD
PROJECT ARCHITECT:	L. HOWELL
DRAWN BY:	Author

SHEET TITLE:
LEVEL 3 FLOOR FINISH PLAN - AREA A

SHEET NO. **A135A**
PROJ. NO. 024370.01

FINISH KEYNOTES

1. PROVIDE RB 2 MILLWORK BASE THIS ROOM/AREA
2. PROVIDE SCHLUTER COVE BASE DILEX AHK TO TRANSITION FLOOR TILE TO WALL TILE/TILE BASE
3. PROVIDE 6" INTEGRAL BASE THIS ROOM/AREA
4. FULL HEIGHT WALL TILE ALL WALLS THIS ROOM/AREA PORW-2 U.N.O.
5. SEE INTERIOR ELEVATION SHEETS FOR MORE INFORMATION
6. PE 2 ALL WALLS THIS ROOM/ AREA
7. PS 1 ALL WALLS THIS ROOM/ AREA
8. COORDINATE EXAM DOOR SURROUND. SEE ELEVATION B2/A419 FOR EXTENTS AND LOCATION OF PAINT
9. PEP 3 ALL WALLS THIS ROOM/AREA
10. PROVIDE 6" POR 2 BASE THIS ROOM/AREA
11. PROVIDE RB 3 AS BASE ON CUSTOMER SIDE (NON STAFF SIDE) OF THIS MILLWORK ITEM
12. PEP 4 ALL WALLS THIS ROOM/AREA

FINISH ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE
CG	CORNERGUARD
CPT	CARPET TILE
CWT	CERAMIC WALL TILE
DP	DECORATIVE PANEL
EPY	RESINOUS FLOORING
EPYB	RESINOUS FLOORING BASE
EPT	EPOXY TERRAZZO
FRL	FIBERGLASS REINFORCED LAMINATE
GB	GLASS MARKER BOARD
HIP	HIGH IMPACT PANEL
HR	HANDRAIL
LVT	LUXURY VINYL FLOORING
PE	PAINT - EGGSHELL FINISH
PEP	PAINT - EPOXY- EGGSHELL FINISH
PF	PAINT - FLAT
POR	PORCELAIN TILE
PORB	PORCELAIN TILE BASE
PORW	PORCELAIN WALL TILE
PLAM	PLASTIC LAMINATE
PS	PAINT - SEMI GLOSS
QZ	QUARTZ
RAF	RAISED ACCESS FLOORING
RB	RUBBER COVE BASE
RESP	RESIN PANEL
RS	ROLLER WINDOW SHADE
RST	RUBBER STAIR TREAD & RISER
SC	SEALED CONCRETE
SP	SIGNAGE PANEL
SS	SOLID SURFACE
T	TRIM
TER	TERRAZZO FLOORING
WD	WOOD CEILING
WDB	WOOD BASE
WOM	WALK OFF MAT
WP	WALL PROTECTION
WSSV	WELDED SEAM SHEET VINYL
WSSB	WELDED SEAM SHEET VINYL BASE

FINISH GENERAL NOTES

CEILING

A. U.N.O. ALL ACOUSTICAL CEILING TILE SHALL BE ACT 1. REFER TO REFLECTED CEILING PLANS FOR EXCEPTIONS.
B. U.N.O. ALL GYPSUM BOARD CEILINGS ARE TO RECEIVE PF-9/ CEILINGS IN WET LOCATIONS (I.E. TOILET ROOMS, TOILET SHOWER ROOMS AND PROCEDURE ROOMS TO RECEIVE PS-9. REFER TO REFLECTED CEILING PLANS FOR NOTED EXCEPTIONS FOR PAINT COLOR AND FINISH DESIGNATIONS
C. ALL CUT TEGULAR TILE IS TO BE FACTORY CUT AND FINISHED TO ENSURE CLEAN CUT AND FINISHED EDGES ON ALL EXPOSED EDGES U.N.O.
D. ALL SOUNDPLY WOOD PLANK (ACT 4) CEILINGS ARE BASED UPON USING 4'X10' PANELS AND 10' PLANKS AS THE TYPICAL UNIT OF SIZE U.N.O.

FLOOR FINISH LEGEND

CPT-1	CPT-7	LVT-5	RST-1
CPT-2	CPT-8	LVT-6	SC
CPT-3	LVT-1	POR-1	FLOOR GRAINING DIRECTION
CPT-4	LVT-2	POR-2	
CPT-5	LVT-3	WOM-1	
CPT-6	LVT-4	WSSV-1	



A1 / A135B — **LEVEL 03 - FLOOR FINISH PLAN - AREA B**
1/8" = 1'-0"

GENERAL NOTES

A. REFER TO THE PROJECT SPECIFICATIONS REGARDING INTERIOR WOOD DOOR SPECIES, CUT AND STAIN.
B. GC TO PROVIDE A MINIMUM OF 3% ATTIC STOCK OF ALL MATERIALS TO OWNER. PROVIDE MATERIALS IN UNOPENED BOXES.
C. CAULK AT BASE OF DOOR FRAME BETWEEN DOOR FRAME AND RESILIENT FLOORING TYPICAL ALL LOCATIONS. CAULK TO BE COLOR MATCHED TO MATCH DOOR FRAME PAINT COLOR
D. ALL ITEMS EXPOSED TO VIEW SHALL BE FINISHED (I.E. PAINTED, STAINED, ETC.) UNLESS PREFINISHED BY MANUFACTURER. NO UNFINISHED SURFACES WILL BE ACCEPTED U.N.O.
E. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK LEAD TIMES ON ALL FINISH ITEMS SO AS NOT TO DELAY WORK OR WORK OF OTHER TRADES.
F. U.N.O. TILES LESS THAN AN 1/3 OF A FULL PIECE OF TILE WILL NOT BE ACCEPTED. COORDINATE LAYOUT WITH ARCHITECT TO AVOID TILE "SLIVERS".
G. LOCKERS SHALL BE FACTORY FINISHED. GC TO PROVIDE ARCHITECT MANUFACTURERS FULL LINE OF COLOR/ FINISH OFFERINGS FOR SELECTION.
H. PROVIDE ROLLER SHADE AT EACH EXTERIOR WINDOW AND WINDOWS AT INTERIOR WINDOWS U.N.O. SEE FINISH LEGEND AND REFLECTED CEILING PLANS FOR MORE INFORMATION.
I. REFER TO ELECTRICAL INFORMATION FOR LIGHTING ALLOWANCES (DECORATIVE AND TASK LIGHTING) AND TYPES TO BE INCLUDED IN PRICING SET
J. PROVIDE BOBRICK LED BACKLIT MIRRORS IN ALL MULTIPLE FIXTURE PUBLIC TOILETS
K. PROVIDE BOBRICK WELDED FRAME MIRRORS AT ALL OTHER MIRROR LOCATIONS. SIZES AS SPECIFIED IN ELEVATIONS

WALLS

A. U.N.O. GYP BD. WALLS SHALL RECEIVE PE-1
B. U.N.O. ALL RECESSED WIREWAYS, ACCESS PANELS, GRILLES, ELEC PANELS AND ALL OTHER SUCH ARCHITECTURAL, ELECTRICAL AND MECHANICAL DEVICES SHALL BE FINISHED TO MATCH ADJACENT WALL OR CEILING COLOR.
C. U.N.O.ALL PAINTED HOLLOW METAL FRAMES AND DOORS SHALL RECEIVE PS-1. SEE WALL FINISH PLANS FOR NOTED EXCEPTIONS
D. REFER TO WALL FINISH PLANS AND/OR INTERIOR ELEVATIONS FOR EXTENT AND PATTERNING OF PORCELAIN AND CERAMIC WALL TILE
E. WALLS IN DATA ROOMS ARE TO RECEIVE FIRE RATED PLYWOOD, FIRE RATED PAINTED COLOR: BLACK: FINISH: FLAT
F. ON WALLS SCHEDULED TO RECEIVE PORCELAIN TILE, PROVIDE SCHLUTER FINEC TRIM PIECE ON ALL OUTSIDE CORNER U.N.O.

FLOORING

A. U.N.O. ALL AREAS RECEIVING RESILIENT FLOORING (TILE OR SHEET GOODS) AND/ OR CARPET SHALL RECEIVE RB-1.
B. FEATHER ALL FLOORING MATERIALS AS REQUIRED TO ENSURE A LEVEL TRANSITION BETWEEN MATERIALS OF VARYING THICKNESS.
C. U.N.O. TRANSITION ALL FLOOR FINISHES AT CENTER OF DOOR WHEN IN THE "CLOSED" POSITION.
D. CONTINUE ALL SCHEDULED FLOORING MATERIAL UNDER MILLWORK AND INTO ALL RECESSES U.N.O.
E. MAINTAIN UNIFORMITY OF FLOOR COVERING DIRECTION U.N.O.
F. MINIMIZE NUMBER OF SEAMS, PLACE SEAMS IN INCONSPICUOUS AND LOW TRAFFIC AREAS WHERE POSSIBLE.
G. REFERENCE FLOORING GRAINING SYMBOL FOR CORRECT INSTALLATION DIRECTION OF FLOOR GRAINING. **DO NOT FOLLOW HATCH PATTERN DIRECTION SHOWN ON PLANS.**
H. GC TO PROVIDE ARCHITECT SEAMING DIAGRAM AND INSTALLATION PLAN FOR ALL FLOORING PRIOR TO INSTALLATION OF ANY AND ALL FLOOR COVERINGS.
I. ALL SHEET RESILIENT FLOORING IS TO BE HEAT WELDED. GC TO SUBMIT MANUFACTURERS FULL LINE OF SAMPLES FOR ARCHITECT SELECTION.

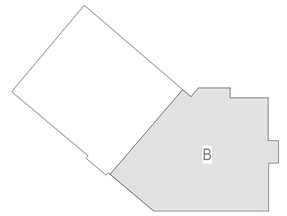
WALL PROTECTION

A. REFER TO WALL FINISH PLAN FOR CORNERGUARDS AND HIGH IMPACT PANEL LOCATIONS.
B. PROVIDE ALL FINISH PIECES ON ALL WALL PROTECTION PRODUCTS U.N.O.
C. PROVIDE ALL COORDINATING TRIM PIECES ON ALL HIGH IMPACT WALL PANELS. BUTT JOINT VERTICAL SEAMS AND SEAL WITH COLOR MATCH CAULK.
D. PROVIDE CORNERGUARDS AT ALL EXTERIOR CORNERS U.N.O./ CORNERGUARDS ARE NOT TO BE USED ON EXTERIOR CORNERS SCHEDULED TO RECEIVE WALL TILE U.N.O.
E. CONTRACTOR TO VERIFY ANGLE OF ALL CORNERS BEFORE PURCHASE AND INSTALLATION OF ALL CORNERGUARDS.
F. ALL CORNERGUARDS TO RUN FROM TOP OF BASE TO FINISHED CEILING U.N.O./ CORNERGUARDS ON HALF WALLS TO RUN FROM TOP OF BASE TO UNDERSIDE OF WALL CAP U.N.O.
G. DO NOT RUN WALL PROTECTION PANELS/TRIM BEHIND CASEWORK. PANELS/TRIM TO BE INSTALLED TIGHT TO THE CASEWORK (DO NOT CUT SHORT)

MILLWORK

A. U.N.O. ALL VERTICAL SURFACES OF CASEWORK/ MILLWORK TO RECEIVE PLAM-1. ALL COUNTERTOPS AND BACKSPLASHES SURFACES TO RECEIVE SS-1 OR SS-2 SEE FINISH LEGEND FOR MORE INFORMATION ON LOCATIONS / REFER TO CASEWORK/MILLWORK ELEVATIONS FOR MORE INFORMATION.
B. U.N.O. ALL WOOD GRAIN LAMINATE IS TO BE INSTALLED WITH THE GRAINING RUNNING VERTICALLY. SEE INTERIOR ELEVATIONS FOR NOTED EXCEPTIONS
C. ALL EXPOSED SURFACES OF MILLWORK TO BE COVERED WITH LAMINATE, NO MELAMINE OR UNFINISHED SURFACES WILL BE ACCEPTED.
D. GLASS LOCATED IN AND AROUND CARE TEAM STATIONS IS TO BE COUNTERSUNK IN TRANSACTION TOPS (AT BOTTOM OF PANEL) AND IN CEILING SOFFIT (AT TOP OF PANEL) TYP. U.N.O. SEE MILLWORK SECTIONS FOR MORE INFORMATION
E. PROVIDE 1" DEEP TOE KICK ON SIDES OF ALL MILLWORK PIECES THAT DO NOT TERMINATE AT WALL U.N.O./ THIS AREA IS TO RECEIVE RB. RUBBER BASE APPLIED TO PANELS WILL NOT BE ACCEPTED U.N.O./ COORDINATED HEIGHTS WITH ELEVATIONS
F. ALL SOLID SURFACE PRODUCTS ARE TO HAVE EASED EDGES TO ENSURE NO SHARP CORNERS
G. INCLUDE FIELD CUT GROMMETS IN ALL COUNTERTOPS TO ACCOMMODATE UNDERCOUNTER POWER/ COORDINATE WITH OWNER ON EXACT LOCATIONS

KEY PLAN



PROJECT NORTH

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF SIGNING CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR DESTROYED ON REQUEST AT THE COMPLETION OF THE PROJECT. NO PART OF THESE MATERIALS ARE TO BE COPIED, DISCLOSED TO OR USED BY ANY PERSON FOR ANY PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. VISUAL CONTACT WITH THESE DRAWINGS OR ELECTRONIC MEDIA SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS. ANY UNAUTHORIZED USE, DISCLOSURE OR DISTRIBUTION IS STRICTLY PROHIBITED AND MAY BE UNLAWFUL. ALL RIGHTS RESERVED. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE
EDIFICE CONSTRUCTION
MPS ARCHITECTS, PC — CERT. NO. 54314 — REGISTERED ARCHITECTURAL CORPORATION — NORTH CAROLINA — CHARLOTTE, NORTH CAROLINA
NORTH CAROLINA — REGISTERED — SEAL 47168 — LEE MARIE CORMIER — 02/09/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:

LEVEL 3 FLOOR FINISH PLAN - AREA B

SHEET NO. A135B

PROJ. NO. 024370.01

FINISH ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE
CG	CORNERGUARD
CPT	CARPET TILE
CWT	CERAMIC WALL TILE
DP	DECORATIVE PANEL
EPY	RESINOUS FLOORING
EPYB	RESINOUS FLOORING BASE
EPT	EPOXY TERRAZZO
FRL	FIBERGLASS REINFORCED LAMINATE
GB	GLASS MARKER BOARD
HIP	HIGH IMPACT PANEL
HR	HANDRAIL
LVT	LUXURY VINYL FLOORING
PE	PAINT - EGGSHELL FINISH
PEP	PAINT - EPOXY- EGGSHELL FINISH
PF	PAINT - FLAT
POR	PORCELAIN TILE
PORB	PORCELAIN TILE BASE
PORW	PORCELAIN WALL TILE
PLAM	PLASTIC LAMINATE
PS	PAINT - SEMI GLOSS
QZ	QUARTZ
RAF	RAISED ACCESS FLOORING
RB	RUBBER COVE BASE
RESP	RESIN PANEL
RS	ROLLER WINDOW SHADE
RST	RUBBER STAIR TREAD & RISER
SC	SEALED CONCRETE
SP	SIGNAGE PANEL
SS	SOLID SURFACE
T	TRIM
TER	TERRAZZO FLOORING
WD	WOOD CEILING
WDB	WOOD BASE
WOM	WALK OFF MAT
WP	WALL PROTECTION
WSSV	WELDED SEAM SHEET VINYL
WSSB	WELDED SEAM SHEET VINYL BASE

FINISH KEYNOTES

1. PROVIDE RB 2 MILLWORK BASE THIS ROOM/AREA
2. PROVIDE SCHLUTER COVE BASE DILEX AHK TO TRANSITION FLOOR TILE TO WALL TILE/TILE BASE
3. PROVIDE 6" INTEGRAL BASE THIS ROOM/AREA
4. FULL HEIGHT WALL TILE ALL WALLS THIS ROOM/AREA PORW-2 U.N.O.
5. SEE INTERIOR ELEVATION SHEETS FOR MORE INFORMATION
6. PE 2 ALL WALLS THIS ROOM/ AREA
7. PS 1 ALL WALLS THIS ROOM/ AREA
8. COORDINATE EXAM DOOR SURROUND. SEE ELEVATION B2/A419 FOR EXTENTS AND LOCATION OF PAINT
9. PEP 3 ALL WALLS THIS ROOM/AREA
10. PROVIDE 6" POR 2 BASE THIS ROOM/AREA
11. PROVIDE RB 3 AS BASE ON CUSTOMER SIDE (NON STAFF SIDE) OF THIS MILLWORK ITEM
12. PEP 4 ALL WALLS THIS ROOM/AREA

FINISH GENERAL NOTES

CEILING

A. U.N.O. ALL ACOUSTICAL CEILING TILE SHALL BE ACT 1. REFER TO REFLECTED CEILING PLANS FOR EXCEPTIONS.
B. U.N.O. ALL GYPSUM BOARD CEILINGS ARE TO RECEIVE PF-9/ CEILINGS IN WET LOCATIONS(I.E. TOILET ROOMS, TOILET SHOWER ROOMS AND PROCEDURE ROOMS TO RECEIVE PS-9. REFER TO REFLECTED CEILING PLANS FOR NOTED EXCEPTIONS FOR PAINT COLOR AND FINISH DESIGNATIONS
C. ALL CUT TEGULAR TILE IS TO BE FACTORY CUT AND FINISHED TO ENSURE CLEAN CUT AND FINISHED EDGES ON ALL EXPOSED EDGES U.N.O.
D. ALL SOUNDPLY WOOD PLANK (ACT 4) CEILINGS ARE BASED UPON USING 4'X10' PANELS AND 10' PLANKS AS THE TYPICAL UNIT OF SIZE U.N.O.

GENERAL NOTES

A. REFER TO THE PROJECT SPECIFICATIONS REGARDING INTERIOR WOOD DOOR SPECIES, CUT AND STAIN.
B. GC TO PROVIDE A MINIMUM OF 3% ATTIC STOCK OF ALL MATERIALS TO OWNER. PROVIDE MATERIALS IN UNOPENED BOXES.
C. CAULK AT BASE OF DOOR FRAME BETWEEN DOOR FRAME AND RESILIENT FLOORING TYPICAL ALL LOCATIONS. CAULK TO BE COLOR MATCHED TO MATCH DOOR FRAME PAINT COLOR
D. ALL ITEMS EXPOSED TO VIEW SHALL BE FINISHED (I.E. PAINTED, STAINED, ETC.) UNLESS PREFINISHED BY MANUFACTURER. NO UNFINISHED SURFACES WILL BE ACCEPTED U.N.O.
E. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK LEAD TIMES ON ALL FINISH ITEMS SO AS NOT TO DELAY WORK OR WORK OF OTHER TRADES.
F. U.N.O. TILES LESS THAN AN 1/3 OF A FULL PIECE OF TILE WILL NOT BE ACCEPTED. COORDINATE LAYOUT WITH ARCHITECT TO AVOID TILE "SLIVERS".
G. LOCKERS SHALL BE FACTORY FINISHED. GC TO PROVIDE ARCHITECT MANUFACTURERS FULL LINE OF COLOR/ FINISH OFFERINGS FOR SELECTION.
H. PROVIDE ROLLER SHADE AT EACH EXTERIOR WINDOW AND WINDOWS AT INTERIOR WINDOWS U.N.O. SEE FINISH LEGEND AND REFLECTED CEILING PLANS FOR MORE INFORMATION.
I. REFER TO ELECTRICAL INFORMATION FOR LIGHTING ALLOWANCES (DECORATIVE AND TASK LIGHTING) AND TYPES TO BE INCLUDED IN PRICING SET
J. PROVIDE BOBRICK LED BACKLIT MIRRORS IN ALL MULTIPLE FIXTURE PUBLIC TOILETS
K. PROVIDE BOBRICK WELDED FRAME MIRRORS AT ALL OTHER MIRROR LOCATIONS. SIZES AS SPECIFIED IN ELEVATIONS

WALLS

A. U.N.O. GYP BD. WALLS SHALL RECEIVE PE-1
B. U.N.O. ALL RECESSED WIREWAYS, ACCESS PANELS, GRILLES, ELEC PANELS AND ALL OTHER SUCH ARCHITECTURAL, ELECTRICAL AND MECHANICAL DEVICES SHALL BE FINISHED TO MATCH ADJACENT WALL OR CEILING COLOR.
C. U.N.O.ALL PAINTED HOLLOW METAL FRAMES AND DOORS SHALL RECEIVE PS-1. SEE WALL FINISH PLANS FOR NOTED EXCEPTIONS
D. REFER TO WALL FINISH PLANS AND/OR INTERIOR ELEVATIONS FOR EXTENT AND PATTERNING OF PORCELAIN AND CERAMIC WALL TILE
E. WALLS IN DATA ROOMS ARE TO RECEIVE FIRE RATED PLYWOOD, FIRE RATED PAINTED COLOR: BLACK: FINISH: FLAT
F. ON WALLS SCHEDULED TO RECEIVE PORCELAIN TILE, PROVIDE SCHLUTER FINEC TRIM PIECE ON ALL OUTSIDE CORNER U.N.O.

FLOORING

A. U.N.O. ALL AREAS RECEIVING RESILIENT FLOORING (TILE OR SHEET GOODS) AND/ OR CARPET SHALL RECEIVE RB-1.
B. FEATHER ALL FLOORING MATERIALS AS REQUIRED TO ENSURE A LEVEL TRANSITION BETWEEN MATERIALS OF VARYING THICKNESS.
C. U.N.O. TRANSITION ALL FLOOR FINISHES AT CENTER OF DOOR WHEN IN THE "CLOSED" POSITION.
D. CONTINUE ALL SCHEDULED FLOORING MATERIAL UNDER MILLWORK AND INTO ALL RECESSES U.N.O.
E. MAINTAIN UNIFORMITY OF FLOOR COVERING DIRECTION U.N.O.
F. MINIMIZE NUMBER OF SEAMS, PLACE SEAMS IN INCONSPICUOUS AND LOW TRAFFIC AREAS WHERE POSSIBLE.
G. REFERENCE FLOORING GRAINING SYMBOL FOR CORRECT INSTALLATION DIRECTION OF FLOOR GRAINING. **DO NOT FOLLOW HATCH PATTERN DIRECTION SHOWN ON PLANS.**
H. GC TO PROVIDE ARCHITECT SEAMING DIAGRAM AND INSTALLATION PLAN FOR ALL FLOORING PRIOR TO INSTALLATION OF ANY AND ALL FLOOR COVERINGS.
I. ALL SHEET RESILIENT FLOORING IS TO BE HEAT WELDED. GC TO SUBMIT MANUFACTURERS FULL LINE OF SAMPLES FOR ARCHITECT SELECTION.

WALL PROTECTION

A. REFER TO WALL FINISH PLAN FOR CORNERGUARDS AND HIGH IMPACT PANEL LOCATIONS.
B. PROVIDE ALL FINISH PIECES ON ALL WALL PROTECTION PRODUCTS U.N.O.
C. PROVIDE ALL COORDINATING TRIM PIECES ON ALL HIGH IMPACT WALL PANELS. BUTT JOINT VERTICAL SEAMS AND SEAL WITH COLOR MATCH CAULK.
D. PROVIDE CORNERGUARDS AT ALL EXTERIOR CORNERS U.N.O./ CORNERGUARDS ARE NOT TO BE USED ON EXTERIOR CORNERS SCHEDULED TO RECEIVE WALL TILE U.N.O.
E. CONTRACTOR TO VERIFY ANGLE OF ALL CORNERS BEFORE PURCHASE AND INSTALLATION OF ALL CORNERGUARDS.
F. ALL CORNERGUARDS TO RUN FROM TOP OF BASE TO FINISHED CEILING U.N.O./ CORNERGUARDS ON HALF WALLS TO RUN FROM TOP OF BASE TO UNDERSIDE OF WALL CAP U.N.O.
G. DO NOT RUN WALL PROTECTION PANELS/TRIM BEHIND CASEWORK. PANELS/TRIM TO BE INSTALLED TIGHT TO THE CASEWORK (DO NOT CUT SHORT)

MILLWORK

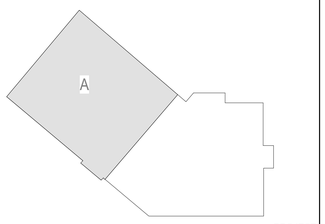
A. U.N.O. ALL VERTICAL SURFACES OF CASEWORK/ MILLWORK TO RECEIVE PLAM-1. ALL COUNTERTOPS AND BACKSPLASHES SURFACES TO RECEIVE SS-1 OR SS-2 SEE FINISH LEGEND FOR MORE INFORMATION ON LOCATIONS / REFER TO CASEWORK/MILLWORK ELEVATIONS FOR MORE INFORMATION.
B. U.N.O. ALL WOOD GRAIN LAMINATE IS TO BE INSTALLED WITH THE GRAINING RUNNING VERTICALLY. SEE INTERIOR ELEVATIONS FOR NOTED EXCEPTIONS
C. ALL EXPOSED SURFACES OF MILLWORK TO BE COVERED WITH LAMINATE, NO MELAMINE OR UNFINISHED SURFACES WILL BE ACCEPTED.
D. GLASS LOCATED IN AND AROUND CARE TEAM STATIONS IS TO BE COUNTERSUNK IN TRANSACTION TOPS (AT BOTTOM OF PANEL) AND IN CEILING SOFFIT (AT TOP OF PANEL) TYP. U.N.O. SEE MILLWORK SECTIONS FOR MORE INFORMATION
E. PROVIDE 1" DEEP TOE KICK ON SIDES OF ALL MILLWORK PIECES THAT DO NOT TERMINATE AT WALL U.N.O./ THIS AREA IS TO RECEIVE RB. RUBBER BASE APPLIED TO PANELS WILL NOT BE ACCEPTED U.N.O./ COORDINATED HEIGHTS WITH ELEVATIONS
F. ALL SOLID SURFACE PRODUCTS ARE TO HAVE EASED EDGES TO ENSURE NO SHARP CORNERS
G. INCLUDE FIELD CUT GROMMETS IN ALL COUNTERTOPS TO ACCOMMODATE UNDERCOUNTER POWER/ COORDINATE WITH OWNER ON EXACT LOCATIONS



A1 A136A **LEVEL 03 - WALL FINISH PLAN - AREA A**

1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, PC REGISTERED ARCHITECTURE CORPORATION CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17168 MARIE CONNELLY 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:

LEVEL 3 WALL FINISH PLAN - AREA A

SHEET NO. A136A

PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE INSTRUMENTS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED ON ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATELY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. © COPYRIGHT 2025 MCMILLAN PAZDAN SMITH ARCHITECTURE ALL RIGHTS RESERVED

FINISH ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE
CG	CORNERGUARD
CPT	CARPET TILE
CWT	CERAMIC WALL TILE
DP	DECORATIVE PANEL
EPY	RESINOUS FLOORING
EPYB	RESINOUS FLOORING BASE
EPT	EPOXY TERRAZZO
FRL	FIBERGLASS REINFORCED LAMINATE
GB	GLASS MARKER BOARD
HIP	HIGH IMPACT PANEL
HR	HANDRAIL
LVT	LUXURY VINYL FLOORING
PE	PAINT - EGGSHELL FINISH
PEP	PAINT - EPOXY- EGGSHELL FINISH
PF	PAINT - FLAT
POR	PORCELAIN TILE
PORB	PORCELAIN TILE BASE
PORW	PORCELAIN WALL TILE
PLAM	PLASTIC LAMINATE
PS	PAINT - SEMI GLOSS
QZ	QUARTZ
RAF	RAISED ACCESS FLOORING
RB	RUBBER COVE BASE
RESP	RESIN PANEL
RS	ROLLER WINDOW SHADE
RST	RUBBER STAIR TREAD & RISER
SC	SEALED CONCRETE
SP	SIGNAGE PANEL
SS	SOLID SURFACE
T	TRIM
TER	TERRAZZO FLOORING
WD	WOOD CEILING
WDB	WOOD BASE
WOM	WALK OFF MAT
WP	WALL PROTECTION
WSSV	WELDED SEAM SHEET VINYL
WSSB	WELDED SEAM SHEET VINYL BASE

FINISH KEYNOTES

1. PROVIDE RB 2 MILLWORK BASE THIS ROOM/AREA
2. PROVIDE SCHLUTER COVE BASE DILEX AHK TO TRANSITION FLOOR TILE TO WALL TILE/TILE BASE
3. PROVIDE 6" INTEGRAL BASE THIS ROOM/AREA
4. FULL HEIGHT WALL TILE ALL WALLS THIS ROOM/AREA PORW-2 U.N.O.
5. SEE INTERIOR ELEVATION SHEETS FOR MORE INFORMATION
6. PE 2 ALL WALLS THIS ROOM/ AREA
7. PS 1 ALL WALLS THIS ROOM/ AREA
8. COORDINATE EXAM DOOR SURROUND. SEE ELEVATION B2/A419 FOR EXTENTS AND LOCATION OF PAINT
9. PEP 3 ALL WALLS THIS ROOM/AREA
10. PROVIDE 6" POR 2 BASE THIS ROOM/AREA
11. PROVIDE RB 3 AS BASE ON CUSTOMER SIDE (NON STAFF SIDE) OF THIS MILLWORK ITEM
12. PEP 4 ALL WALLS THIS ROOM/AREA

FINISH GENERAL NOTES

CEILING

A. U.N.O. ALL ACOUSTICAL CEILING TILE SHALL BE ACT 1. REFER TO REFLECTED CEILING PLANS FOR EXCEPTIONS.
B. U.N.O. ALL GYPSUM BOARD CEILINGS ARE TO RECEIVE PF-9/ CEILINGS IN WET LOCATIONS(I.E. TOILET ROOMS, TOILET SHOWER ROOMS AND PROCEDURE ROOMS TO RECEIVE PS-9. REFER TO REFLECTED CEILING PLANS FOR NOTED EXCEPTIONS FOR PAINT COLOR AND FINISH DESIGNATIONS
C. ALL CUT TEGULAR TILE IS TO BE FACTORY CUT AND FINISHED TO ENSURE CLEAN CUT AND FINISHED EDGES ON ALL EXPOSED EDGES U.N.O.
D. ALL SOUNDPLY WOOD PLANK (ACT 4) CEILINGS ARE BASED UPON USING 4'X10' PANELS AND 10' PLANKS AS THE TYPICAL UNIT OF SIZE U.N.O.

GENERAL NOTES

A. REFER TO THE PROJECT SPECIFICATIONS REGARDING INTERIOR WOOD DOOR SPECIES, CUT AND STAIN.
B. GC TO PROVIDE A MINIMUM OF 3% ATTIC STOCK OF ALL MATERIALS TO OWNER. PROVIDE MATERIALS IN UNOPENED BOXES.
C. CAULK AT BASE OF DOOR FRAME BETWEEN DOOR FRAME AND RESILIENT FLOORING TYPICAL ALL LOCATIONS. CAULK TO BE COLOR MATCHED TO MATCH DOOR FRAME PAINT COLOR
D. ALL ITEMS EXPOSED TO VIEW SHALL BE FINISHED (I.E. PAINTED, STAINED, ETC.) UNLESS PREFINISHED BY MANUFACTURER. NO UNFINISHED SURFACES WILL BE ACCEPTED U.N.O.
E. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK LEAD TIMES ON ALL FINISH ITEMS SO AS NOT TO DELAY WORK OR WORK OF OTHER TRADES.
F. U.N.O. TILES LESS THAN AN 1/3 OF A FULL PIECE OF TILE WILL NOT BE ACCEPTED. COORDINATE LAYOUT WITH ARCHITECT TO AVOID TILE "SLIVERS"
G. LOCKERS SHALL BE FACTORY FINISHED. GC TO PROVIDE ARCHITECT MANUFACTURERS FULL LINE OF COLOR/ FINISH OFFERINGS FOR SELECTION.
H. PROVIDE ROLLER SHADE AT EACH EXTERIOR WINDOW AND WINDOWS AT INTERIOR WINDOWS U.N.O. SEE FINISH LEGEND AND REFLECTED CEILING PLANS FOR MORE INFORMATION.
I. REFER TO ELECTRICAL INFORMATION FOR LIGHTING ALLOWANCES (DECORATIVE AND TASK LIGHTING) AND TYPES TO BE INCLUDED IN PRICING SET
J. PROVIDE BOBRICK LED BACKLIT MIRRORS IN ALL MULTIPLE FIXTURE PUBLIC TOILETS
K. PROVIDE BOBRICK WELDED FRAME MIRRORS AT ALL OTHER MIRROR LOCATIONS. SIZES AS SPECIFIED IN ELEVATIONS

WALLS

A. U.N.O. GYP BD. WALLS SHALL RECEIVE PE-1
B. U.N.O. ALL RECESSED WIREWAYS, ACCESS PANELS, GRILLES, ELEC PANELS AND ALL OTHER SUCH ARCHITECTURAL, ELECTRICAL AND MECHANICAL DEVICES SHALL BE FINISHED TO MATCH ADJACENT WALL OR CEILING COLOR.
C. U.N.O.ALL PAINTED HOLLOW METAL FRAMES AND DOORS SHALL RECEIVE PS-1. SEE WALL FINISH PLANS FOR NOTED EXCEPTIONS
D. REFER TO WALL FINISH PLANS AND/OR INTERIOR ELEVATIONS FOR EXTENT AND PATTERNING OF PORCELAIN AND CERAMIC WALL TILE
E. WALLS IN DATA ROOMS ARE TO RECEIVE FIRE RATED PLYWOOD, FIRE RATED PAINTED COLOR: BLACK: FINISH: FLAT
F. ON WALLS SCHEDULED TO RECEIVE PORCELAIN TILE, PROVIDE SCHLUTER FINEC TRIM PIECE ON ALL OUTSIDE CORNER U.N.O.

FLOORING

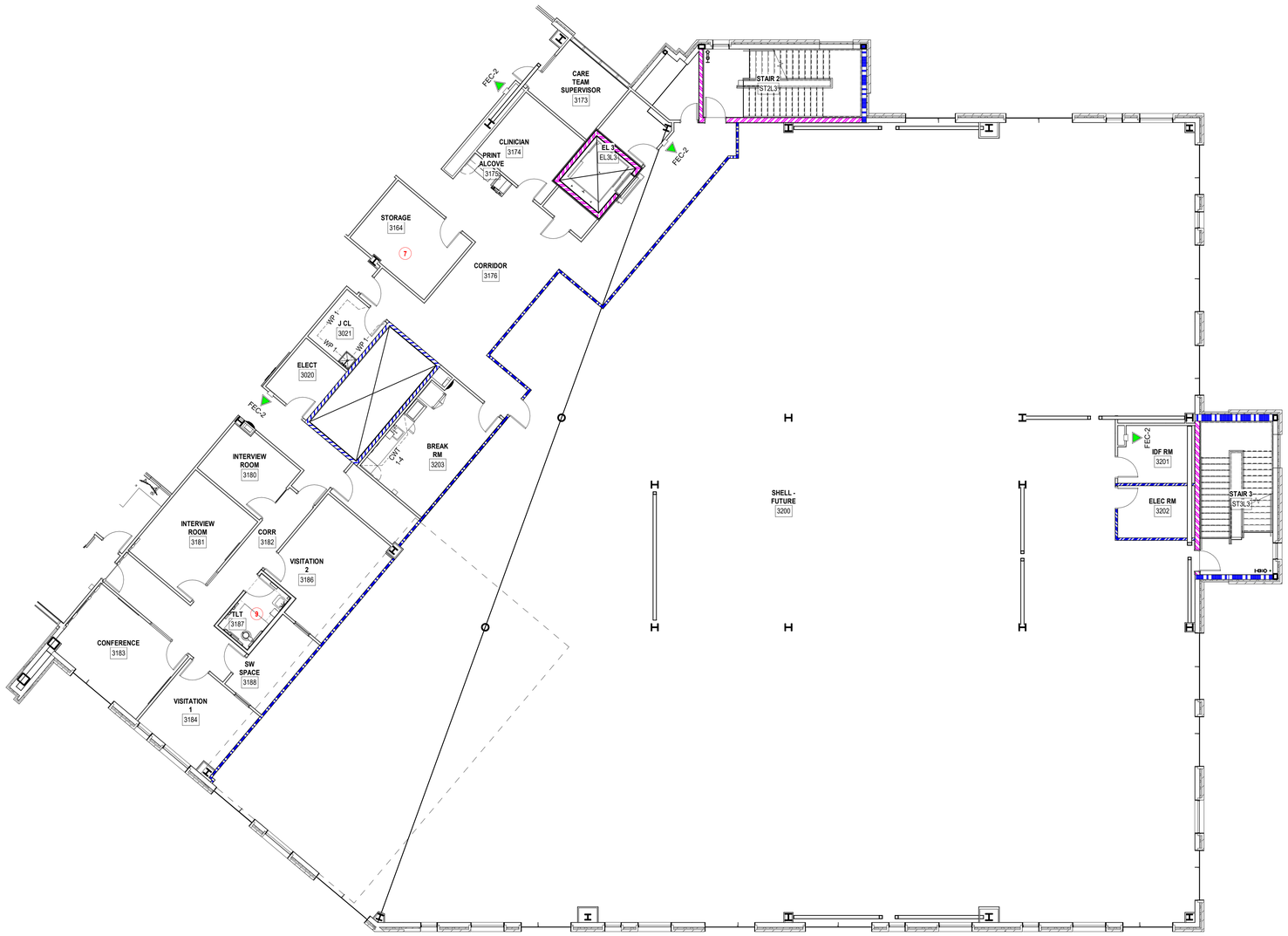
A. U.N.O. ALL AREAS RECEIVING RESILIENT FLOORING (TILE OR SHEET GOODS) AND/ OR CARPET SHALL RECEIVE RB-1.
B. FEATHER ALL FLOORING MATERIALS AS REQUIRED TO ENSURE A LEVEL TRANSITION BETWEEN MATERIALS OF VARYING THICKNESS.
C. U.N.O. TRANSITION ALL FLOOR FINISHES AT CENTER OF DOOR WHEN IN THE "CLOSED" POSITION.
D. CONTINUE ALL SCHEDULED FLOORING MATERIAL UNDER MILLWORK AND INTO ALL RECESSES U.N.O.
E. MAINTAIN UNIFORMITY OF FLOOR COVERING DIRECTION U.N.O.
F. MINIMIZE NUMBER OF SEAMS, PLACE SEAMS IN INCONSPICUOUS AND LOW TRAFFIC AREAS WHERE POSSIBLE.
G. REFERENCE FLOORING GRAINING SYMBOL FOR CORRECT INSTALLATION DIRECTION OF FLOOR GRAINING. **DO NOT FOLLOW HATCH PATTERN DIRECTION SHOWN ON PLANS.**
H. GC TO PROVIDE ARCHITECT SEAMING DIAGRAM AND INSTALLATION PLAN FOR ALL FLOORING PRIOR TO INSTALLATION OF ANY AND ALL FLOOR COVERINGS.
I. ALL SHEET RESILIENT FLOORING IS TO BE HEAT WELDED. GC TO SUBMIT MANUFACTURERS FULL LINE OF SAMPLES FOR ARCHITECT SELECTION.

WALL PROTECTION

A. REFER TO WALL FINISH PLAN FOR CORNERGUARDS AND HIGH IMPACT PANEL LOCATIONS.
B. PROVIDE ALL FINISH PIECES ON ALL WALL PROTECTION PRODUCTS U.N.O.
C. PROVIDE ALL COORDINATING TRIM PIECES ON ALL HIGH IMPACT WALL PANELS. BUTT JOINT VERTICAL SEAMS AND SEAL WITH COLOR MATCH CAULK.
D. PROVIDE CORNERGUARDS AT ALL EXTERIOR CORNERS U.N.O./ CORNERGUARDS ARE NOT TO BE USED ON EXTERIOR CORNERS SCHEDULED TO RECEIVE WALL TILE U.N.O.
E. CONTRACTOR TO VERIFY ANGLE OF ALL CORNERS BEFORE PURCHASE AND INSTALLATION OF ALL CORNERGUARDS.
F. ALL CORNERGUARDS TO RUN FROM TOP OF BASE TO FINISHED CEILING U.N.O./ CORNERGUARDS ON HALF WALLS TO RUN FROM TOP OF BASE TO UNDERSIDE OF WALL CAP U.N.O.
G. DO NOT RUN WALL PROTECTION PANELS/TRIM BEHIND CASEWORK. PANELS/TRIM TO BE INSTALLED TIGHT TO THE CASEWORK (DO NOT CUT SHORT)

MILLWORK

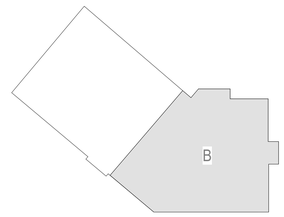
A. U.N.O. ALL VERTICAL SURFACES OF CASEWORK/ MILLWORK TO RECEIVE PLAM-1. ALL COUNTERTOPS AND BACKSPLASHES SURFACES TO RECEIVE SS-1 OR SS-2 SEE FINISH LEGEND FOR MORE INFORMATION ON LOCATIONS / REFER TO CASEWORK/MILLWORK ELEVATIONS FOR MORE INFORMATION.
B. U.N.O. ALL WOOD GRAIN LAMINATE IS TO BE INSTALLED WITH THE GRAINING RUNNING VERTICALLY. SEE INTERIOR ELEVATIONS FOR NOTED EXCEPTIONS
C. ALL EXPOSED SURFACES OF MILLWORK TO BE COVERED WITH LAMINATE, NO MELAMINE OR UNFINISHED SURFACES WILL BE ACCEPTED.
D. GLASS LOCATED IN AND AROUND CARE TEAM STATIONS IS TO BE COUNTERSUNK IN TRANSACTION TOPS (AT BOTTOM OF PANEL) AND IN CEILING SOFFIT (AT TOP OF PANEL) TYP. U.N.O. SEE MILLWORK SECTIONS FOR MORE INFORMATION
E. PROVIDE 1" DEEP TOE KICK ON SIDES OF ALL MILLWORK PIECES THAT DO NOT TERMINATE AT WALL U.N.O./ THIS AREA IS TO RECEIVE RB. RUBBER BASE APPLIED TO PANELS WILL NOT BE ACCEPTED U.N.O./ COORDINATED HEIGHTS WITH ELEVATIONS
F. ALL SOLID SURFACE PRODUCTS ARE TO HAVE EASED EDGES TO ENSURE NO SHARP CORNERS
G. INCLUDE FIELD CUT GROMMETS IN ALL COUNTERTOPS TO ACCOMMODATE UNDERCOUNTER POWER/ COORDINATE WITH OWNER ON EXACT LOCATIONS



A1 / A136B — **LEVEL 03 - WALL FINISH PLAN - AREA B**

1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERT. NO. 54314 REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17165 LEE MARIE CONNOLLY 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:

LEVEL 3 WALL FINISH PLAN - AREA B

SHEET NO. A136B

PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE ARE TENDERED SUBJECT TO THE AGREEMENT THAT THEY ARE NOT TO BE USED ON ANY OTHER PROJECT OR EXTENSION OF THIS PROJECT EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE RESTRICTIONS ARE TO BE BINDING ON ALL OWNERS, CONTRACTORS, SUBCONTRACTORS AND OTHERS WHO MAY OBTAIN ACCESS TO THESE DRAWINGS AND USE THEM ON THE PROJECT OR EXTENSIONS OF THE PROJECT. ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE ARE TENDERED SUBJECT TO THE AGREEMENT THAT THEY ARE NOT TO BE USED ON ANY OTHER PROJECT OR EXTENSION OF THIS PROJECT EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE RESTRICTIONS ARE TO BE BINDING ON ALL OWNERS, CONTRACTORS, SUBCONTRACTORS AND OTHERS WHO MAY OBTAIN ACCESS TO THESE DRAWINGS AND USE THEM ON THE PROJECT OR EXTENSIONS OF THE PROJECT. © COPYRIGHT 2025 MCMILLAN PAZDAN SMITH ARCHITECTURE ALL RIGHTS RESERVED

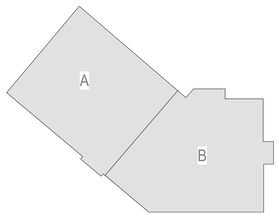


A1 A139 **LEVEL 03 - FFE PLAN** FOR REFERENCE ONLY

3/32" = 1'-0"

FOR REFERENCE ONLY

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 54314 NORTH CAROLINA CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17168 MARIE CONNELL 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

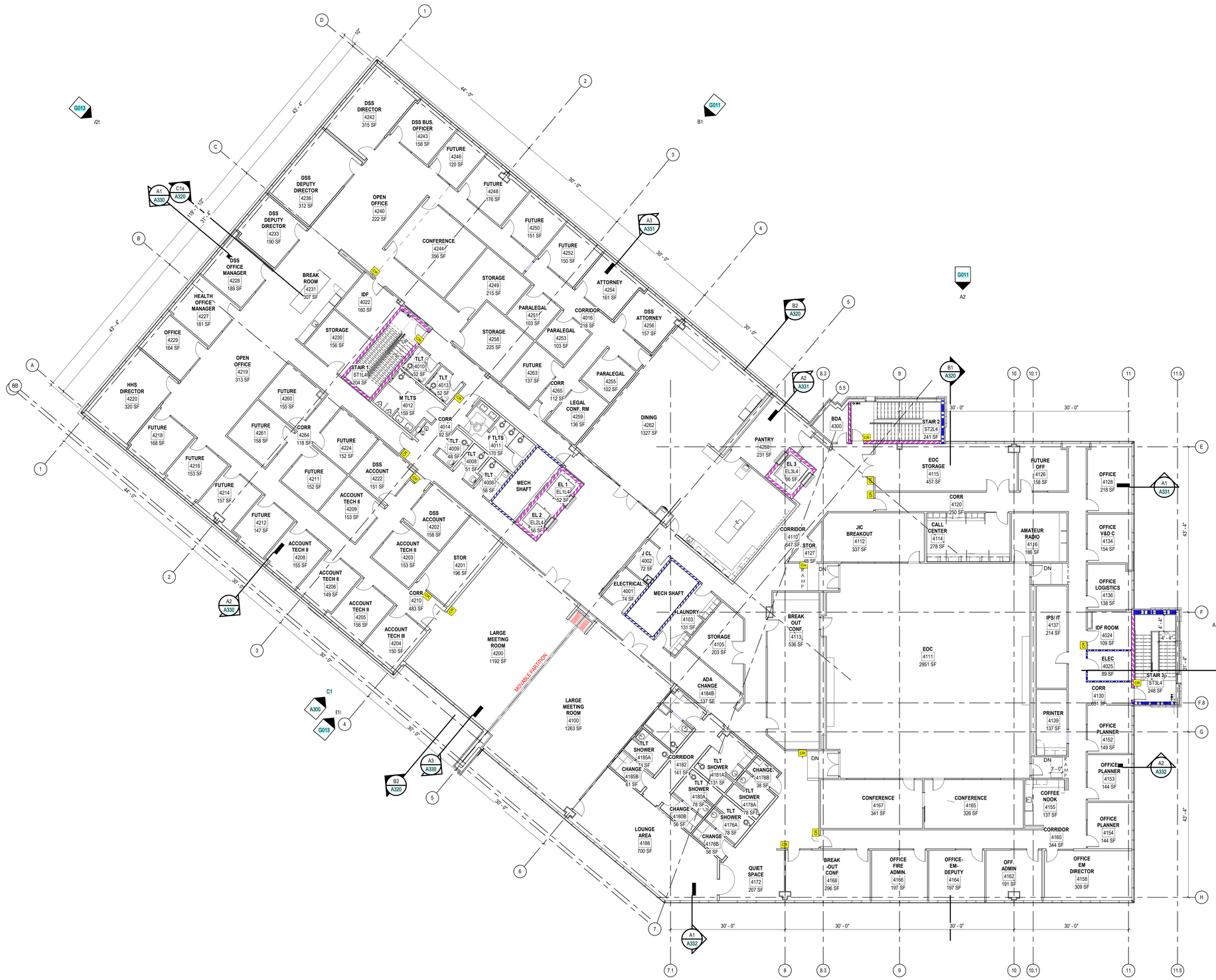
PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:

LEVEL 3 FFE PLAN

SHEET NO. A139

PROJ. NO. 024370.01



RATE WALL LEGEND

1 HOUR FIRE PARTITION

1 HOUR FIRE BARRIER

2 HOUR FIRE BARRIER

2 HOUR SMOKE BARRIER

2 HOUR FIRE WALL

GENERAL NOTES

1. DIMENSIONS ARE FROM THE FACE OF STUD U.N.O.
2. FIRE CAULK AT ALL ELECTRICAL CONDUIT PASSING THROUGH WALLS.
3. SEE MECHANICAL AND PLUMBING DRAWINGS FOR DETAILS WHERE DUCTWORK AND PIPING PASS THROUGH WALLS.
4. ALL FIRE RATED WALLS TO EXTEND TO THE INTERIOR FACE OF EXTERIOR WALL SYSTEM.

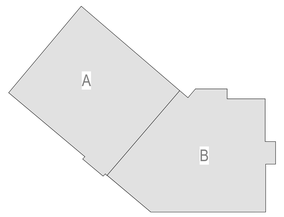
PLAN LEGEND

- A — WINDOW / CURTAIN WALL TAG
- SA3.0 — WALL TAG
- 01 — KEYNOTE
- TC — TIME CLOCK
- AC — ATOMIC CLOCK
- CR — CARD READER
- FB — POWER/DATA FLOOR BOX SEE ELECTRICAL
- IMPACT RESISTANT GYPSUM WALL BOARD TO 48" HIGH. SEE A004 FOR SPECIFIC WALL TYPE CONSTRUCTION

DOOR TAG:

- 122A — FLOOR # = 1 OR 2 DIGITS
- ROOM # = 2 OR 3 DIGITS
- DOOR SEQUENCE (ALPHABETIC)
- 45 MIN — DOOR RATING (IF SHOWN)

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 47168 KEVIN MARIE CONNELLY 02/09/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:

LEVEL 4 OVERALL PLAN

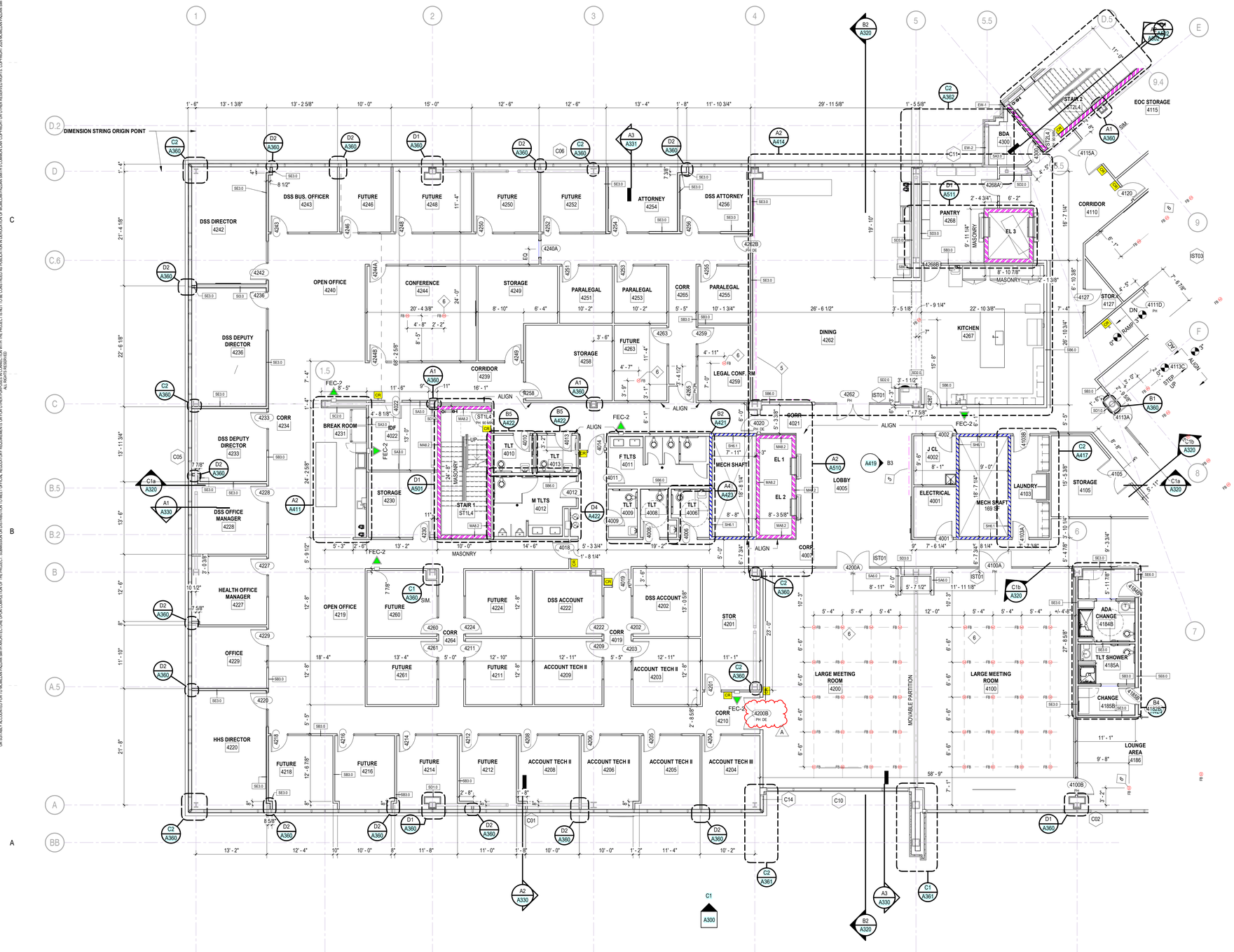
SHEET NO. A140

PROJ. NO. 024370.01

A1 A140 **LEVEL 04 - OVERALL FLOOR PLAN**
3/32" = 1'-0"

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE; THEY ARE NOT TO BE USED ON ANY OTHER PROJECT; AND WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE OR OTHER COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE DISCLOSED TO OTHERS OR USED IN WHOLE OR IN PART FOR ANY OTHER PROJECT, EXCEPT BY AGREEMENT WITH MCMILLAN PAZDAN SMITH ARCHITECTURE. ALL REPRODUCTIONS OF THESE MATERIALS, WHETHER OR NOT THE PROJECT IS EXECUTED, SHALL BE GIVEN MCMILLAN PAZDAN SMITH ARCHITECTURE'S STATUTORY COPYRIGHT NOTICE. ANY REUSE OF THESE MATERIALS WITHOUT THE WRITTEN PERMISSION OF MCMILLAN PAZDAN SMITH ARCHITECTURE FOR ANY PURPOSE OTHER THAN THE SPECIFIC PROJECT FOR WHICH THEY WERE PREPARED IS PROHIBITED. ANY UNAUTHORIZED REUSE, DISCLOSURE OR DISTRIBUTION SHALL BE AT USER'S SOLE RISK AND WITHOUT LIABILITY TO MCMILLAN PAZDAN SMITH ARCHITECTURE. USER SHALL INDEMNIFY AND HOLD HARMLESS MCMILLAN PAZDAN SMITH ARCHITECTURE FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING FROM SUCH UNAUTHORIZED REUSE. USER SHALL ALSO REIMBURSE MCMILLAN PAZDAN SMITH ARCHITECTURE FOR ANY ATTORNEY'S FEES AND COSTS INCURRED IN ENFORCING THIS AGREEMENT. ANY REUSE OF THESE MATERIALS WILL BE CONSIDERED AN ACCEPTANCE OF THIS AGREEMENT. ALL RIGHTS RESERVED



A1 A141A **LEVEL 04 - ANNOTATION PLAN - AREA A**

1/8" = 1'-0"

GENERAL NOTES

1. ALL WORK SHALL MEET THE MINIMUM REQUIREMENTS OF THE LATEST ADOPTED EDITIONS OF THE APPLICABLE CODES, AS INDICTED ON THIS SHEET AND ALL OTHER LOCAL, STATE OR FEDERAL CODES OR REGULATIONS HAVING JURISDICTION.
2. DO NOT SCALE DRAWINGS. CLARIFY ANY DIMENSIONAL DISCREPANCIES WITH THE ARCHITECT PRIOR TO CONTINUING WITH THE WORK.
3. CLARIFY ANY COORDINATION DISCREPANCIES BETWEEN ENGINEER DRAWINGS AND ARCHITECTURAL DRAWINGS WITH THE ARCHITECT PRIOR TO CONTINUING WITH THE WORK.
4. ALL WORK LISTED, SHOWN OR IMPLIED ON THE CONSTRUCTION DOCUMENTS SHALL BE SUPPLIED AND INSTALLED BY THE GENERAL CONTRACTOR EXCEPT WHERE OTHERWISE NOTED.

RATED WALLS LEGEND

1 HOUR FIRE PARTITION
1 HOUR FIRE BARRIER
1 HOUR SMOKE BARRIER
2 HOUR FIRE BARRIER
2 HOUR SMOKE BARRIER
2 HOUR FIRE WALL

FEC-2

GENERAL FLOOR PLAN NOTES

A. ALL WALLS ARE SB3 UNLESS NOTED OTHERWISE. SEE SHEET A002 FOR MORE INFORMATION ON WALL TYPES.
B. EXTERIOR DIMENSIONS ARE TO FACE OF STUD OR FACE OF CMU BACKUP OR CONCRETE WALL UNLESS NOTED OTHERWISE.
C. INTERIOR DIMENSIONS INDICATED ARE TO FACE OF STUD AND CENTERLINES OF COLUMNS, UNLESS NOTED OTHERWISE.
D. LOCATE DOOR OPENINGS 6" FROM NEAREST PERPENDICULAR WALL UNLESS NOTED OTHERWISE.
E. FIRE AND SOUND RATED WALLS/PARTITIONS TO BE CONSTRUCTED TIGHT TO STRUCTURE, PIPING, DUCTWORK AND OTHER PENETRATIONS. ALL WORK IS TO BE BRACED TO STRUCTURE ABOVE.
F. WHERE PARTITIONS OF DIFFERENT FIRE RATINGS INTERSECT, THE HIGHEST RATED PARTITION SHALL CONTINUE THROUGH. MAINTAIN PARTITION FIRE RATING BEHIND FIRE EXTINGUISHER CABINETS.
G. INSTALL BLOCKING IN PARTITIONS FOR CASEWORK, WALL MOUNTED EQUIPMENT, GRAB BARS, TRIM AND RELATED CONSTRUCTION.
H. SEE LIFE SAFETY PLANS FOR REQUIRED FIRE SEPARATION WALLS.
I. SEE A001-A003 FOR CONSTRUCTION SUBSYSTEMS.
J. SEE BUILDING ELEVATION DRAWINGS FOR LOCATION OF EXTERIOR CONTROL JOINTS.
K. CEILING SEISMIC DETAILS ARE PROVIDED TO ILLUSTRATE THE GENERAL REQUIREMENTS OF CISCA'S "GUIDELINES FOR SEISMIC RESTRAINT, ZONES 3 & 4 AND THE IBC, CHAPTER 16. CONTRACTOR IS RESPONSIBLE FOR MEETING ALL APPLICABLE PROVISIONS OF THESE STANDARDS. IN CASE OF A CONFLICT, THE MORE STRINGENT REQUIREMENT WILL BE ENFORCED.

FEC-2

PLAN LEGEND

- A — WINDOW / CURTAIN WALL TAG
- SA3.0 — WALL TAG
- 01 — KEYNOTE
- TC — TIME CLOCK
- AC — ATOMIC CLOCK
- CR — CARD READER
- FB — POWER/DATA FLOOR BOX SEE ELECTRICAL
- IMPACT RESISTANT GYPSUM WALL BOARD TO 48" HIGH. SEE A004 FOR SPECIFIC WALL TYPE CONSTRUCTION

DOOR TAG:

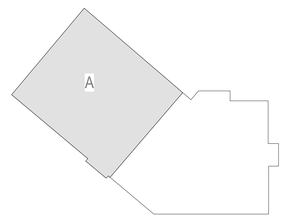
- 122A / 45 MIN — FLOOR # = 1 OR 2 DIGITS; ROOM # = 2 OR 3 DIGITS; DOOR SEQUENCE (ALPHABETIC); DOOR RATING (IF SHOWN)

SHEET NOTE LEGEND

FLOOR PLAN SHEET NOTES

NUMBER	DESCRIPTION	Sheet Series
5	IMPACT RESISTANT GYPSUM BOARD WALL BOARD TO 48" HIGH. SEE A004 FOR SPECIFIC WALL TYPE CONSTRUCTION.	A1
6	FLOOR OUTLETS. SEE ELECTRICAL DRAWING FOR ADDITION INFORMATION	A1
7	ATOMIC CLOCK.	A1
8	CENTRAL DISTRIBUTION BOX- ANTENNA	A1
10	TIME CLOCK	A1
11	COORDINATE EXAM DOOR SURROUND. SEE ELEVATION B5/A419	A1

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 47308 KATHERINE MARIE CONNOLLY 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

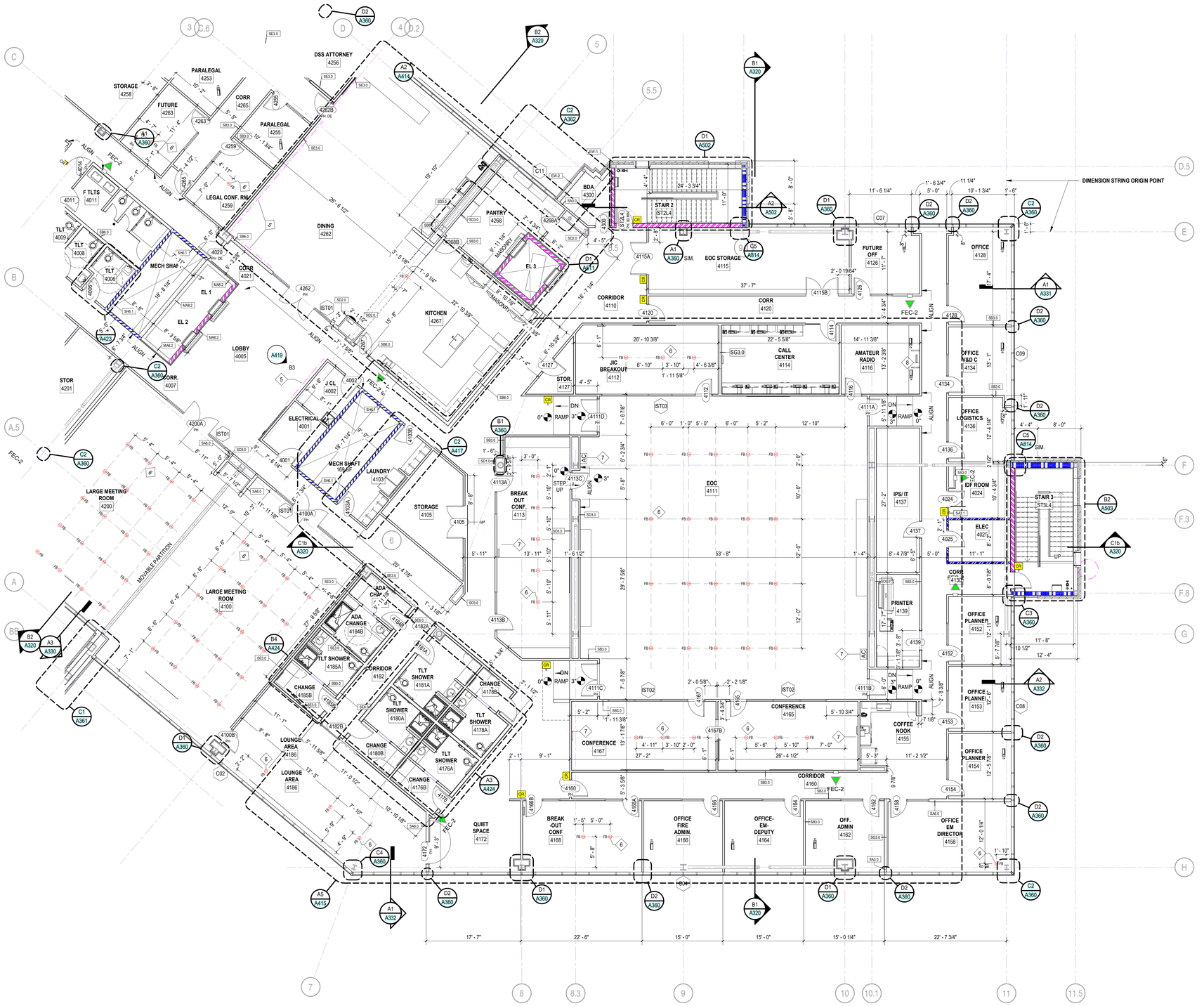
NO.	DATE	DESCRIPTION
A	04/02/26	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: D. KIM

SHEET TITLE:

LEVEL 4 ANNOTATION/ DIMENSION PLAN - AREA A

SHEET NO. A141A
PROJ. NO. 024370.01



A1 A141B **LEVEL 04 - ANNOTATION PLAN - AREA B**

1/8" = 1'-0"

GENERAL NOTES

1. ALL WORK SHALL MEET THE MINIMUM REQUIREMENTS OF THE LATEST ADOPTED EDITIONS OF THE APPLICABLE CODES, AS INDICTED ON THIS SHEET AND ALL OTHER LOCAL, STATE OR FEDERAL CODES OR REGULATIONS HAVING JURISDICTION.
2. DO NOT SCALE DRAWINGS. CLARIFY ANY DIMENSIONAL DISCREPANCIES WITH THE ARCHITECT PRIOR TO CONTINUING WITH THE WORK.
3. CLARIFY ANY COORDINATION DISCREPANCIES BETWEEN ENGINEER DRAWINGS AND ARCHITECTURAL DRAWINGS WITH THE ARCHITECT PRIOR TO CONTINUING WITH THE WORK.
4. ALL WORK LISTED, SHOWN OR IMPLIED ON THE CONSTRUCTION DOCUMENTS SHALL BE SUPPLIED AND INSTALLED BY THE GENERAL CONTRACTOR EXCEPT WHERE OTHERWISE NOTED.

RATED WALLS LEGEND

1 HOUR FIRE PARTITION

1 HOUR FIRE BARRIER

1 HOUR SMOKE BARRIER

2 HOUR FIRE BARRIER

2 HOUR SMOKE BARRIER

2 HOUR FIRE WALL

GENERAL FLOOR PLAN NOTES

A. ALL WALLS ARE SB3 UNLESS NOTED OTHERWISE. SEE SHEET A002 FOR MORE INFORMATION ON WALL TYPES.
B. EXTERIOR DIMENSIONS ARE TO FACE OF STUD OR FACE OF CMU BACKUP OR CONCRETE WALL UNLESS NOTED OTHERWISE.
C. INTERIOR DIMENSIONS INDICATED ARE TO FACE OF STUD AND CENTERLINES OF COLUMNS, UNLESS NOTED OTHERWISE.
D. LOCATE DOOR OPENINGS 6" FROM NEAREST PERPENDICULAR WALL UNLESS NOTED OTHERWISE.
E. FIRE AND SOUND RATED WALLS/PARTITIONS TO BE CONSTRUCTED TIGHT TO STRUCTURE, PIPING, DUCTWORK AND OTHER PENETRATIONS. ALL WORK IS TO BE BRACED TO STRUCTURE ABOVE.
F. WHERE PARTITIONS OF DIFFERENT FIRE RATINGS INTERSECT, THE HIGHEST RATED PARTITION SHALL CONTINUE THROUGH. MAINTAIN PARTITION FIRE RATING BEHIND FIRE EXTINGUISHER CABINETS.
G. INSTALL BLOCKING IN PARTITIONS FOR CASEWORK, WALL MOUNTED EQUIPMENT, GRAB BARS, TRIM, AND RELATED CONSTRUCTION.
H. SEE LIFE SAFETY PLANS FOR REQUIRED FIRE SEPARATION WALLS.
I. SEE A001-A003 FOR CONSTRUCTION SUBSYSTEMS.
J. SEE BUILDING ELEVATION DRAWINGS FOR LOCATION OF EXTERIOR CONTROL JOINTS.
K. CEILING SEISMIC DETAILS ARE PROVIDED TO ILLUSTRATE THE GENERAL REQUIREMENTS OF CISCA'S "GUIDELINES FOR SEISMIC RESTRAINT, ZONES 3 & 4 AND THE IBC, CHAPTER 16. CONTRACTOR IS RESPONSIBLE FOR MEETING ALL APPLICABLE PROVISIONS OF THESE STANDARDS. IN CASE OF A CONFLICT, THE MORE STRINGENT REQUIREMENT WILL BE ENFORCED.

PLAN LEGEND

A	WINDOW / CURTAIN WALL TAG
SA3.0	WALL TAG
01	KEYNOTE
TC	TIME CLOCK
AC	ATOMIC CLOCK
CR	CARD READER
FB	POWER/DATA FLOOR BOX SEE ELECTRICAL
	IMPACT RESISTANT GYPSUM WALL BOARD TO 48" HIGH. SEE A004 FOR SPECIFIC WALL TYPE CONSTRUCTION

DOOR TAG:

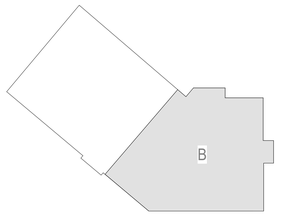
122A / 45 MIN — FLOOR # = 1 OR 2 DIGITS; ROOM # = 2 OR 3 DIGITS; DOOR SEQUENCE (ALPHABETIC); DOOR RATING (IF SHOWN)

SHEET NOTE LEGEND

FLOOR PLAN SHEET NOTES

NUMBER	DESCRIPTION	Sheet Series
5	IMPACT RESISTANT GYPSUM BOARD WALL BOARD TO 48" HIGH. SEE A004 FOR SPECIFIC WALL TYPE CONSTRUCTION.	A1
6	FLOOR OUTLETS. SEE ELECTRICAL DRAWING FOR ADDITION INFORMATION	A1
7	ATOMIC CLOCK	A1
8	CENTRAL DISTRIBUTION BOX- ANTENNA	A1
10	TIME CLOCK	A1
11	COORDINATE EXAM DOOR SURROUND. SEE ELEVATION B5/A419	A1

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERT. NO. 54314 REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 47168 ARCHITECT MARIE CONNELLY 02/09/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: D. KIM

SHEET TITLE:

LEVEL 4 ANNOTATION/ DIMENSION PLAN - AREA B

SHEET NO. A141B

PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THEY ARE NOT TO BE USED ON ANY PROJECT OTHER THAN THE PROJECT FOR WHICH THEY HAVE BEEN PREPARED AND ARE NOT TO BE CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY, WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. IN THE EVENT OF UNAUTHORIZED REUSE OF THESE PLANS BY ANY THIRD PARTY, THE OWNER AND ANY OTHER PERSON RESPONSIBLE FOR THE UNAUTHORIZED REUSE AGREES TO INDEMNIFY AND HOLD HARMLESS MCMILLAN PAZDAN SMITH ARCHITECTURE FROM ANY AND ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING ATTORNEYS' FEES, ARISING OUT OF OR RESULTING THEREFROM. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED.

4/2/2026 12:02:36 PM Autodesk Docs://024370.00_Brunswick County Health & Human Services/ARCH_Brunswick County Health and Human Servic_R23.rvt

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2026 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

FINISH KEYNOTES

1. PROVIDE RB 2 MILLWORK BASE THIS ROOM/AREA
2. PROVIDE SCHLUTER COVE BASE DILEX AHK TO TRANSITION FLOOR TILE TO WALL TILE/TILE BASE
3. PROVIDE 6" INTEGRAL BASE THIS ROOM/AREA
4. FULL HEIGHT WALL TILE ALL WALLS THIS ROOM/AREA PORW-2 U.N.O.
5. SEE INTERIOR ELEVATION SHEETS FOR MORE INFORMATION
6. PE 2 ALL WALLS THIS ROOM/ AREA
7. PS 1 ALL WALLS THIS ROOM/ AREA
8. COORDINATE EXAM DOOR SURROUND. SEE ELEVATION B2/A419 FOR EXTENTS AND LOCATION OF PAINT
9. PEP 3 ALL WALLS THIS ROOM/AREA
10. PROVIDE 6" POR 2 BASE THIS ROOM/AREA
11. PROVIDE RB 3 AS BASE ON CUSTOMER SIDE (NON STAFF SIDE) OF THIS MILLWORK ITEM
12. PEP 4 ALL WALLS THIS ROOM/AREA

FINISH ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE	PLAM	PLASTIC LAMINATE
CG	CORNERGUARD	PS	PAINT - SEMI GLOSS
CPT	CARPET TILE	QZ	QUARTZ
CWT	CERAMIC WALL TILE	RAF	RAISED ACCESS FLOORING
DP	DECORATIVE PANEL	RB	RUBBER COVE BASE
EPY	RESINOUS FLOORING	RESP	RESIN PANEL
EPYB	RESINOUS FLOORING BASE	RS	ROLLER WINDOW SHADE
EPT	EPOXY TERRAZZO	RST	RUBBER STAIR TREAD & RISER
FRL	FIBERGLASS REINFORCED LAMINATE	SC	SEALED CONCRETE
GB	GLASS MARKER BOARD	SP	SIGNAGE PANEL
HIP	HIGH IMPACT PANEL	SS	SOLID SURFACE
HR	HANDRAIL	T	TRIM
LVT	LUXURY VINYL FLOORING	TER	TERRAZZO FLOORING
PE	PAINT - EGGSHELL FINISH	WD	WOOD CEILING
PEP	PAINT - EPOXY- EGGSHELL FINISH	WDB	WOOD BASE
PF	PAINT - FLAT	WOM	WALK OFF MAT
POR	PORCELAIN TILE	WP	WALL PROTECTION
PORB	PORCELAIN TILE BASE	WSSV	WELDED SEAM SHEET VINYL
PORW	PORCELAIN WALL TILE	WSSB	WELDED SEAM SHEET VINYL BASE

FLOOR FINISH LEGEND

CPT-1, CPT-2, CPT-3, CPT-4, CPT-5, CPT-6, CPT-7, CPT-8, LVT-1, LVT-2, LVT-3, LVT-4, LVT-5, LVT-6, POR-1, POR-2, WOM-1, WSSV-1, RST-1, SC, FLOOR GRAINING DIRECTION

FINISH GENERAL NOTES

CEILING

A. U.N.O. ALL ACOUSTICAL CEILING TILE SHALL BE ACT 1. REFER TO REFLECTED CEILING PLANS FOR EXCEPTIONS.
B. U.N.O. ALL GYPSUM BOARD CEILINGS ARE TO RECEIVE PF-9/ CEILINGS IN WET LOCATIONS(I.E. TOILET ROOMS, TOILET SHOWER ROOMS AND PROCEDURE ROOMS TO RECEIVE PS-9. REFER TO REFLECTED CEILING PLANS FOR NOTED EXCEPTIONS FOR PAINT COLOR AND FINISH DESIGNATIONS
C. ALL CUT TEGULAR TILE IS TO BE FACTORY CUT AND FINISHED TO ENSURE CLEAN CUT AND FINISHED EDGES ON ALL EXPOSED EDGES U.N.O.
D. ALL SOUNDPLY WOOD PLANK (ACT 4) CEILINGS ARE BASED UPON USING 4'X10' PANELS AND 10' PLANKS AS THE TYPICAL UNIT OF SIZE U.N.O.

GENERAL NOTES

A. REFER TO THE PROJECT SPECIFICATIONS REGARDING INTERIOR WOOD DOOR SPECIES, CUT AND STAIN.
B. GC TO PROVIDE A MINIMUM OF 3% ATTIC STOCK OF ALL MATERIALS TO OWNER. PROVIDE MATERIALS IN UNOPENED BOXES.
C. CAULK AT BASE OF DOOR FRAME BETWEEN DOOR FRAME AND RESILIENT FLOORING TYPICAL ALL LOCATIONS. CAULK TO BE COLOR MATCHED TO MATCH DOOR FRAME PAINT COLOR
D. ALL ITEMS EXPOSED TO VIEW SHALL BE FINISHED (I.E. PAINTED, STAINED, ETC.) UNLESS PREFINISHED BY MANUFACTURER. NO UNFINISHED SURFACES WILL BE ACCEPTED U.N.O.
E. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK LEAD TIMES ON ALL FINISH ITEMS SO AS NOT TO DELAY WORK OR WORK OF OTHER TRADES.
F. U.N.O. TILES LESS THAN AN 1/3 OF A FULL PIECE OF TILE WILL NOT BE ACCEPTED. COORDINATE LAYOUT WITH ARCHITECT TO AVOID TILE "SLIVERS".
G. LOCKERS SHALL BE FACTORY FINISHED. GC TO PROVIDE ARCHITECT MANUFACTURERS FULL LINE OF COLOR/ FINISH OFFERINGS FOR SELECTION.
H. PROVIDE ROLLER SHADE AT EACH EXTERIOR WINDOW AND WINDOWS AT INTERIOR WINDOWS U.N.O. SEE FINISH LEGEND AND REFLECTED CEILING PLANS FOR MORE INFORMATION.
I. REFER TO ELECTRICAL INFORMATION FOR LIGHTING ALLOWANCES (DECORATIVE AND TASK LIGHTING) AND TYPES TO BE INCLUDED IN PRICING SET
J. PROVIDE BOBRICK LED BACKLIT MIRRORS IN ALL MULTIPLE FIXTURE PUBLIC TOILETS
K. PROVIDE BOBRICK WELDED FRAME MIRRORS AT ALL OTHER MIRROR LOCATIONS. SIZES AS SPECIFIED IN ELEVATIONS

WALLS

A. U.N.O. GYP BD. WALLS SHALL RECEIVE PE-1
B. U.N.O. ALL RECESSED WIREWAYS, ACCESS PANELS, GRILLES, ELEC PANELS AND ALL OTHER SUCH ARCHITECTURAL, ELECTRICAL AND MECHANICAL DEVICES SHALL BE FINISHED TO MATCH ADJACENT WALL OR CEILING COLOR.
C. U.N.O.ALL PAINTED HOLLOW METAL FRAMES AND DOORS SHALL RECEIVE PS-1. SEE WALL FINISH PLANS FOR NOTED EXCEPTIONS
D. REFER TO WALL FINISH PLANS AND/OR INTERIOR ELEVATIONS FOR EXTENT AND PATTERNING OF PORCELAIN AND CERAMIC WALL TILE
E. WALLS IN DATA ROOMS ARE TO RECEIVE FIRE RATED PLYWOOD, FIRE RATED PAINTED COLOR: BLACK: FINISH: FLAT
F. ON WALLS SCHEDULED TO RECEIVE PORCELAIN TILE, PROVIDE SCHLUTER FINEC TRIM PIECE ON ALL OUTSIDE CORNER U.N.O.

FLOORING

A. U.N.O. ALL AREAS RECEIVING RESILIENT FLOORING (TILE OR SHEET GOODS) AND/ OR CARPET SHALL RECEIVE RB-1.
B. FEATHER ALL FLOORING MATERIALS AS REQUIRED TO ENSURE A LEVEL TRANSITION BETWEEN MATERIALS OF VARYING THICKNESS.
C. U.N.O. TRANSITION ALL FLOOR FINISHES AT CENTER OF DOOR WHEN IN THE "CLOSED" POSITION.
D. CONTINUE ALL SCHEDULED FLOORING MATERIAL UNDER MILLWORK AND INTO ALL RECESSES U.N.O.
E. MAINTAIN UNIFORMITY OF FLOOR COVERING DIRECTION U.N.O.
F. MINIMIZE NUMBER OF SEAMS, PLACE SEAMS IN INCONSPICUOUS AND LOW TRAFFIC AREAS WHERE POSSIBLE.
G. REFERENCE FLOORING GRAINING SYMBOL FOR CORRECT INSTALLATION DIRECTION OF FLOOR GRAINING. **DO NOT FOLLOW HATCH PATTERN DIRECTION SHOWN ON PLANS.**
H. GC TO PROVIDE ARCHITECT SEAMING DIAGRAM AND INSTALLATION PLAN FOR ALL FLOORING PRIOR TO INSTALLATION OF ANY AND ALL FLOOR COVERINGS.
I. ALL SHEET RESILIENT FLOORING IS TO BE HEAT WELDED. GC TO SUBMIT MANUFACTURERS FULL LINE OF SAMPLES FOR ARCHITECT SELECTION.

WALL PROTECTION

A. REFER TO WALL FINISH PLAN FOR CORNERGUARDS AND HIGH IMPACT PANEL LOCATIONS.
B. PROVIDE ALL FINISH PIECES ON ALL WALL PROTECTION PRODUCTS U.N.O.
C. PROVIDE ALL COORDINATING TRIM PIECES ON ALL HIGH IMPACT WALL PANELS. BUTT JOINT VERTICAL SEAMS AND SEAL WITH COLOR MATCH CAULK.
D. PROVIDE CORNERGUARDS AT ALL EXTERIOR CORNERS U.N.O./ CORNERGUARDS ARE NOT TO BE USED ON EXTERIOR CORNERS SCHEDULED TO RECEIVE WALL TILE U.N.O.
E. CONTRACTOR TO VERIFY ANGLE OF ALL CORNERS BEFORE PURCHASE AND INSTALLATION OF ALL CORNERGUARDS.
F. ALL CORNERGUARDS TO RUN FROM TOP OF BASE TO FINISHED CEILING U.N.O./ CORNERGUARDS ON HALF WALLS TO RUN FROM TOP OF BASE TO UNDERSIDE OF WALL CAP U.N.O.
G. DO NOT RUN WALL PROTECTION PANELS/TRIM BEHIND CASEWORK. PANELS/TRIM TO BE INSTALLED TIGHT TO THE CASEWORK (DO NOT CUT SHORT)

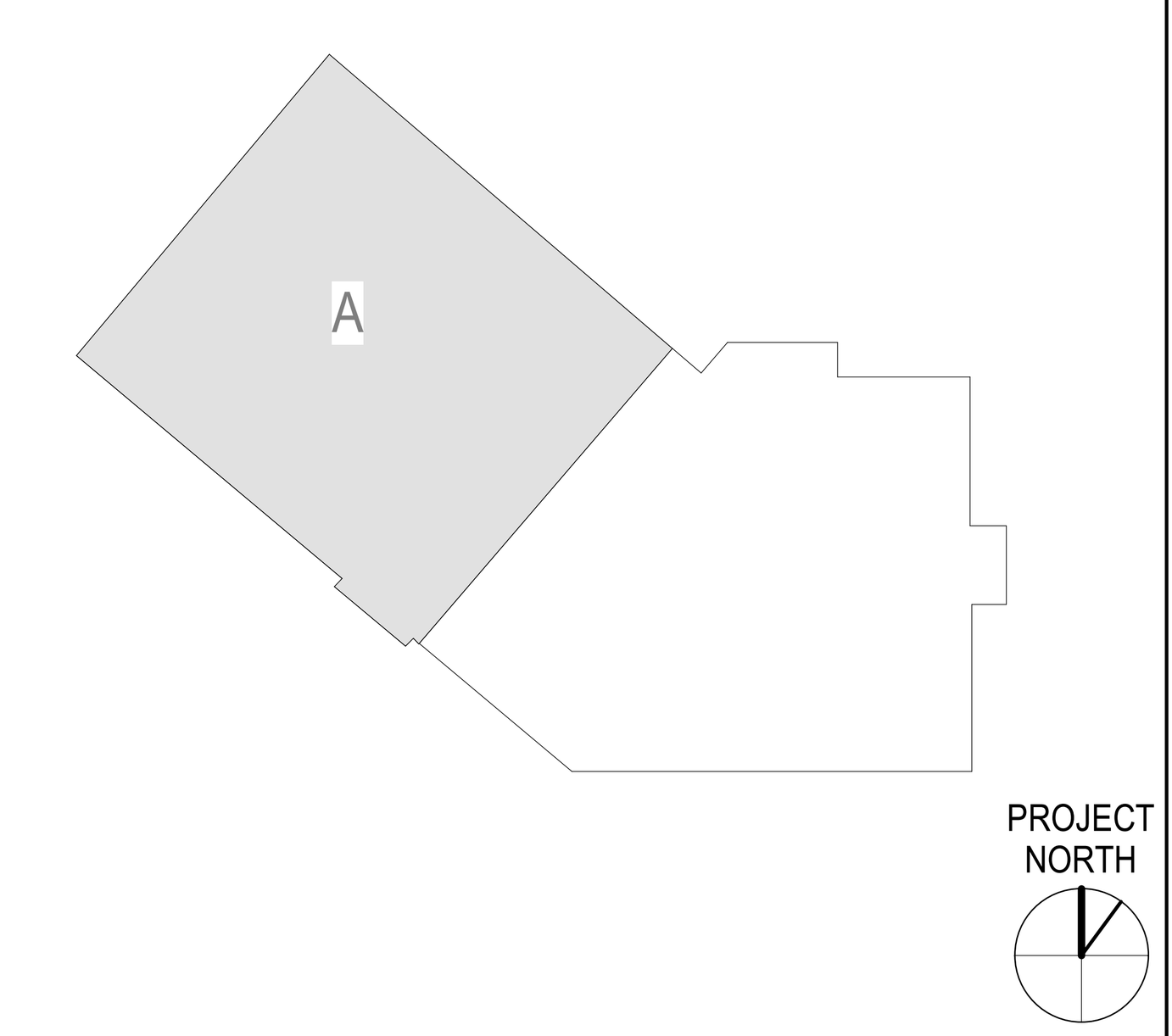
MILLWORK

A. U.N.O. ALL VERTICAL SURFACES OF CASEWORK/ MILLWORK TO RECEIVE PLAM-1. ALL COUNTERTOPS AND BACKSPLASHES SURFACES TO RECEIVE SS-1 OR SS-2 SEE FINISH LEGEND FOR MORE INFORMATION ON LOCATIONS / REFER TO CASEWORK/MILLWORK ELEVATIONS FOR MORE INFORMATION.
B. U.N.O. ALL WOOD GRAIN LAMINATE IS TO BE INSTALLED WITH THE GRAINING RUNNING VERTICALLY. SEE INTERIOR ELEVATIONS FOR NOTED EXCEPTIONS
C. ALL EXPOSED SURFACES OF MILLWORK TO BE COVERED WITH LAMINATE, NO MELAMINE OR UNFINISHED SURFACES WILL BE ACCEPTED.
D. GLASS LOCATED IN AND AROUND CARE TEAM STATIONS IS TO BE COUNTERSUNK IN TRANSACTION TOPS (AT BOTTOM OF PANEL) AND IN CEILING SOFFIT (AT TOP OF PANEL) TYP. U.N.O. SEE MILLWORK SECTIONS FOR MORE INFORMATION
E. PROVIDE 1" DEEP TOE KICK ON SIDES OF ALL MILLWORK PIECES THAT DO NOT TERMINATE AT WALL U.N.O./ THIS AREA IS TO RECEIVE RB. RUBBER BASE APPLIED TO PANELS WILL NOT BE ACCEPTED U.N.O./ COORDINATED HEIGHTS WITH ELEVATIONS
F. ALL SOLID SURFACE PRODUCTS ARE TO HAVE EASED EDGES TO ENSURE NO SHARP CORNERS
G. INCLUDE FIELD CUT GROMMETS IN ALL COUNTERTOPS TO ACCOMMODATE UNDERCOUNTER POWER/ COORDINATE WITH OWNER ON EXACT LOCATIONS



A1 A145A **LEVEL 04 - FLOOR FINISH PLAN - AREA A**
1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED ARCHITECT SEAL 17168 LISA MARIE CONNELL
02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE:	02/06/2026
PHASE:	PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE:	M. SHEWARD
PROJECT ARCHITECT:	L. HOWELL
DRAWN BY:	Author

SHEET TITLE:
LEVEL 4 FLOOR FINISH PLAN -AREA A

SHEET NO. A145A
PROJ. NO. 024370.01

4/2/2026 12:02:43 PM Autodesk Docs://024370.00_Brunswick County Health & Human Services/ARCH_Brunswick County Health and Human Servic_R23.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2026 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

FINISH KEYNOTES

1. PROVIDE RB 2 MILLWORK BASE THIS ROOM/AREA
2. PROVIDE SCHLUTER COVE BASE DILEX AHK TO TRANSITION FLOOR TILE TO WALL TILE/TILE BASE
3. PROVIDE 6" INTEGRAL BASE THIS ROOM/AREA
4. FULL HEIGHT WALL TILE ALL WALLS THIS ROOM/AREA PORW-2 U.N.O.
5. SEE INTERIOR ELEVATION SHEETS FOR MORE INFORMATION
6. PE 2 ALL WALLS THIS ROOM/ AREA
7. PS 1 ALL WALLS THIS ROOM/ AREA
8. COORDINATE EXAM DOOR SURROUND. SEE ELEVATION B2/A419 FOR EXTENTS AND LOCATION OF PAINT
9. PEP 3 ALL WALLS THIS ROOM/AREA
10. PROVIDE 6" POR 2 BASE THIS ROOM/AREA
11. PROVIDE RB 3 AS BASE ON CUSTOMER SIDE (NON STAFF SIDE) OF THIS MILLWORK ITEM
12. PEP 4 ALL WALLS THIS ROOM/AREA

FINISH ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE
CG	CORNERGUARD
CPT	CARPET TILE
CWT	CERAMIC WALL TILE
DP	DECORATIVE PANEL
EPY	RESINOUS FLOORING
EPYB	RESINOUS FLOORING BASE
EPT	EPOXY TERRAZZO
FRL	FIBERGLASS REINFORCED LAMINATE
GB	GLASS MARKER BOARD
HIP	HIGH IMPACT PANEL
HR	HANDRAIL
LVT	LUXURY VINYL FLOORING
PE	PAINT - EGGSHELL FINISH
PEP	PAINT - EPOXY- EGGSHELL FINISH
PF	PAINT - FLAT
POR	PORCELAIN TILE
PORB	PORCELAIN TILE BASE
PORW	PORCELAIN WALL TILE
PLAM	PLASTIC LAMINATE
PS	PAINT - SEMI GLOSS
QZ	QUARTZ
RAF	RAISED ACCESS FLOORING
RB	RUBBER COVE BASE
RESP	RESIN PANEL
RS	ROLLER WINDOW SHADE
RST	RUBBER STAIR TREAD & RISER
SC	SEALED CONCRETE
SP	SIGNAGE PANEL
SS	SOLID SURFACE
T	TRIM
TER	TERRAZZO FLOORING
WD	WOOD CEILING
WDB	WOOD BASE
WOM	WALK OFF MAT
WP	WALL PROTECTION
WSSV	WELDED SEAM SHEET VINYL
WSSB	WELDED SEAM SHEET VINYL BASE

FLOOR FINISH LEGEND

CPT-1, CPT-2, CPT-3, CPT-4, CPT-5, CPT-6, CPT-7, CPT-8, LVT-1, LVT-2, LVT-3, LVT-4, LVT-5, LVT-6, POR-1, POR-2, WOM-1, WSSV-1, RST-1, SC, FLOOR GRAINING DIRECTION

FINISH GENERAL NOTES

CEILING

A. U.N.O. ALL ACOUSTICAL CEILING TILE SHALL BE ACT 1. REFER TO REFLECTED CEILING PLANS FOR EXCEPTIONS.
B. U.N.O. ALL GYPSUM BOARD CEILINGS ARE TO RECEIVE PF-9/ CEILINGS IN WET LOCATIONS(I.E. TOILET ROOMS, TOILET SHOWER ROOMS AND PROCEDURE ROOMS TO RECEIVE PS-9. REFER TO REFLECTED CEILING PLANS FOR NOTED EXCEPTIONS FOR PAINT COLOR AND FINISH DESIGNATIONS
C. ALL CUT TEGULAR TILE IS TO BE FACTORY CUT AND FINISHED TO ENSURE CLEAN CUT AND FINISHED EDGES ON ALL EXPOSED EDGES U.N.O.
D. ALL SOUNDPLY WOOD PLANK (ACT 4) CEILINGS ARE BASED UPON USING 4'X10' PANELS AND 10' PLANKS AS THE TYPICAL UNIT OF SIZE U.N.O.

GENERAL NOTES

A. REFER TO THE PROJECT SPECIFICATIONS REGARDING INTERIOR WOOD DOOR SPECIES, CUT AND STAIN.
B. GC TO PROVIDE A MINIMUM OF 3% ATTIC STOCK OF ALL MATERIALS TO OWNER. PROVIDE MATERIALS IN UNOPENED BOXES.
C. CAULK AT BASE OF DOOR FRAME BETWEEN DOOR FRAME AND RESILIENT FLOORING TYPICAL ALL LOCATIONS. CAULK TO BE COLOR MATCHED TO MATCH DOOR FRAME PAINT COLOR
D. ALL ITEMS EXPOSED TO VIEW SHALL BE FINISHED (I.E. PAINTED, STAINED, ETC.) UNLESS PREFINISHED BY MANUFACTURER. NO UNFINISHED SURFACES WILL BE ACCEPTED U.N.O.
E. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK LEAD TIMES ON ALL FINISH ITEMS SO AS NOT TO DELAY WORK OR WORK OF OTHER TRADES.
F. U.N.O. TILES LESS THAN AN 1/3 OF A FULL PIECE OF TILE WILL NOT BE ACCEPTED. COORDINATE LAYOUT WITH ARCHITECT TO AVOID TILE "SLIVERS".
G. LOCKERS SHALL BE FACTORY FINISHED. GC TO PROVIDE ARCHITECT MANUFACTURERS FULL LINE OF COLOR/ FINISH OFFERINGS FOR SELECTION.
H. PROVIDE ROLLER SHADE AT EACH EXTERIOR WINDOW AND WINDOWS AT INTERIOR WINDOWS U.N.O. SEE FINISH LEGEND AND REFLECTED CEILING PLANS FOR MORE INFORMATION.
I. REFER TO ELECTRICAL INFORMATION FOR LIGHTING ALLOWANCES (DECORATIVE AND TASK LIGHTING) AND TYPES TO BE INCLUDED IN PRICING SET
J. PROVIDE BOBRICK LED BACKLIT MIRRORS IN ALL MULTIPLE FIXTURE PUBLIC TOILETS
K. PROVIDE BOBRICK WELDED FRAME MIRRORS AT ALL OTHER MIRROR LOCATIONS. SIZES AS SPECIFIED IN ELEVATIONS

WALLS

A. U.N.O. GYP BD. WALLS SHALL RECEIVE PE-1
B. U.N.O. ALL RECESSED WIREWAYS, ACCESS PANELS, GRILLES, ELEC PANELS AND ALL OTHER SUCH ARCHITECTURAL, ELECTRICAL AND MECHANICAL DEVICES SHALL BE FINISHED TO MATCH ADJACENT WALL OR CEILING COLOR.
C. U.N.O.ALL PAINTED HOLLOW METAL FRAMES AND DOORS SHALL RECEIVE PS-1. SEE WALL FINISH PLANS FOR NOTED EXCEPTIONS
D. REFER TO WALL FINISH PLANS AND/OR INTERIOR ELEVATIONS FOR EXTENT AND PATTERNING OF PORCELAIN AND CERAMIC WALL TILE
E. WALLS IN DATA ROOMS ARE TO RECEIVE FIRE RATED PLYWOOD, FIRE RATED PAINTED COLOR: BLACK: FINISH: FLAT
F. ON WALLS SCHEDULED TO RECEIVE PORCELAIN TILE, PROVIDE SCHLUTER FINEC TRIM PIECE ON ALL OUTSIDE CORNER U.N.O.

FLOORING

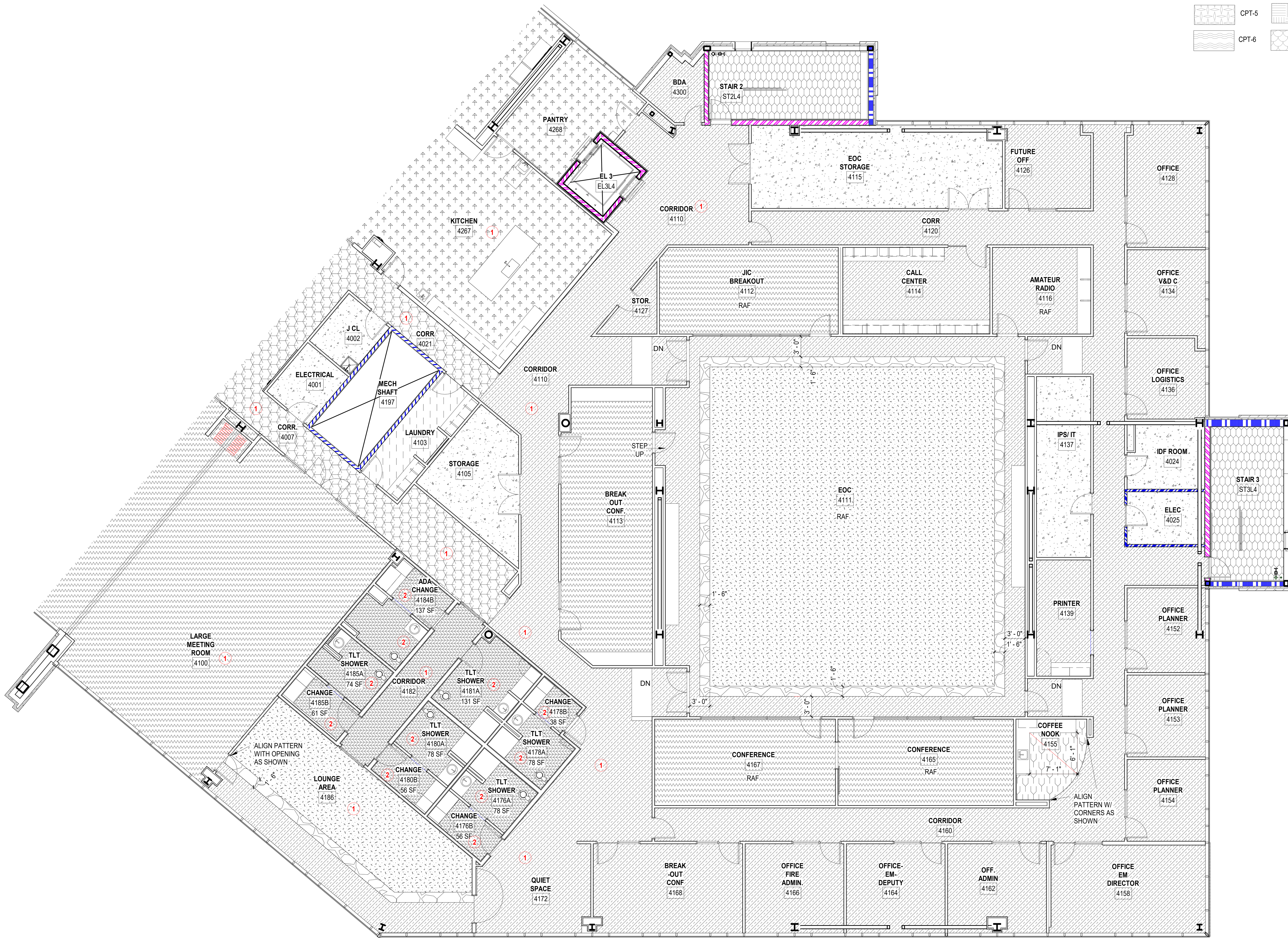
A. U.N.O. ALL AREAS RECEIVING RESILIENT FLOORING (TILE OR SHEET GOODS) AND/ OR CARPET SHALL RECEIVE RB-1.
B. FEATHER ALL FLOORING MATERIALS AS REQUIRED TO ENSURE A LEVEL TRANSITION BETWEEN MATERIALS OF VARYING THICKNESS.
C. U.N.O. TRANSITION ALL FLOOR FINISHES AT CENTER OF DOOR WHEN IN THE "CLOSED" POSITION.
D. CONTINUE ALL SCHEDULED FLOORING MATERIAL UNDER MILLWORK AND INTO ALL RECESSES U.N.O.
E. MAINTAIN UNIFORMITY OF FLOOR COVERING DIRECTION U.N.O.
F. MINIMIZE NUMBER OF SEAMS, PLACE SEAMS IN INCONSPICUOUS AND LOW TRAFFIC AREAS WHERE POSSIBLE.
G. REFERENCE FLOORING GRAINING SYMBOL FOR CORRECT INSTALLATION DIRECTION OF FLOOR GRAINING. **DO NOT FOLLOW HATCH PATTERN DIRECTION SHOWN ON PLANS.**
H. GC TO PROVIDE ARCHITECT SEAMING DIAGRAM AND INSTALLATION PLAN FOR ALL FLOORING PRIOR TO INSTALLATION OF ANY AND ALL FLOOR COVERINGS.
I. ALL SHEET RESILIENT FLOORING IS TO BE HEAT WELDED. GC TO SUBMIT MANUFACTURERS FULL LINE OF SAMPLES FOR ARCHITECT SELECTION.

WALL PROTECTION

A. REFER TO WALL FINISH PLAN FOR CORNERGUARDS AND HIGH IMPACT PANEL LOCATIONS.
B. PROVIDE ALL FINISH PIECES ON ALL WALL PROTECTION PRODUCTS U.N.O.
C. PROVIDE ALL COORDINATING TRIM PIECES ON ALL HIGH IMPACT WALL PANELS. BUTT JOINT VERTICAL SEAMS AND SEAL WITH COLOR MATCH CAULK.
D. PROVIDE CORNERGUARDS AT ALL EXTERIOR CORNERS U.N.O./ CORNERGUARDS ARE NOT TO BE USED ON EXTERIOR CORNERS SCHEDULED TO RECEIVE WALL TILE U.N.O.
E. CONTRACTOR TO VERIFY ANGLE OF ALL CORNERS BEFORE PURCHASE AND INSTALLATION OF ALL CORNERGUARDS.
F. ALL CORNERGUARDS TO RUN FROM TOP OF BASE TO FINISHED CEILING U.N.O./ CORNERGUARDS ON HALF WALLS TO RUN FROM TOP OF BASE TO UNDERSIDE OF WALL CAP U.N.O.
G. DO NOT RUN WALL PROTECTION PANELS/TRIM BEHIND CASEWORK. PANELS/TRIM TO BE INSTALLED TIGHT TO THE CASEWORK (DO NOT CUT SHORT)

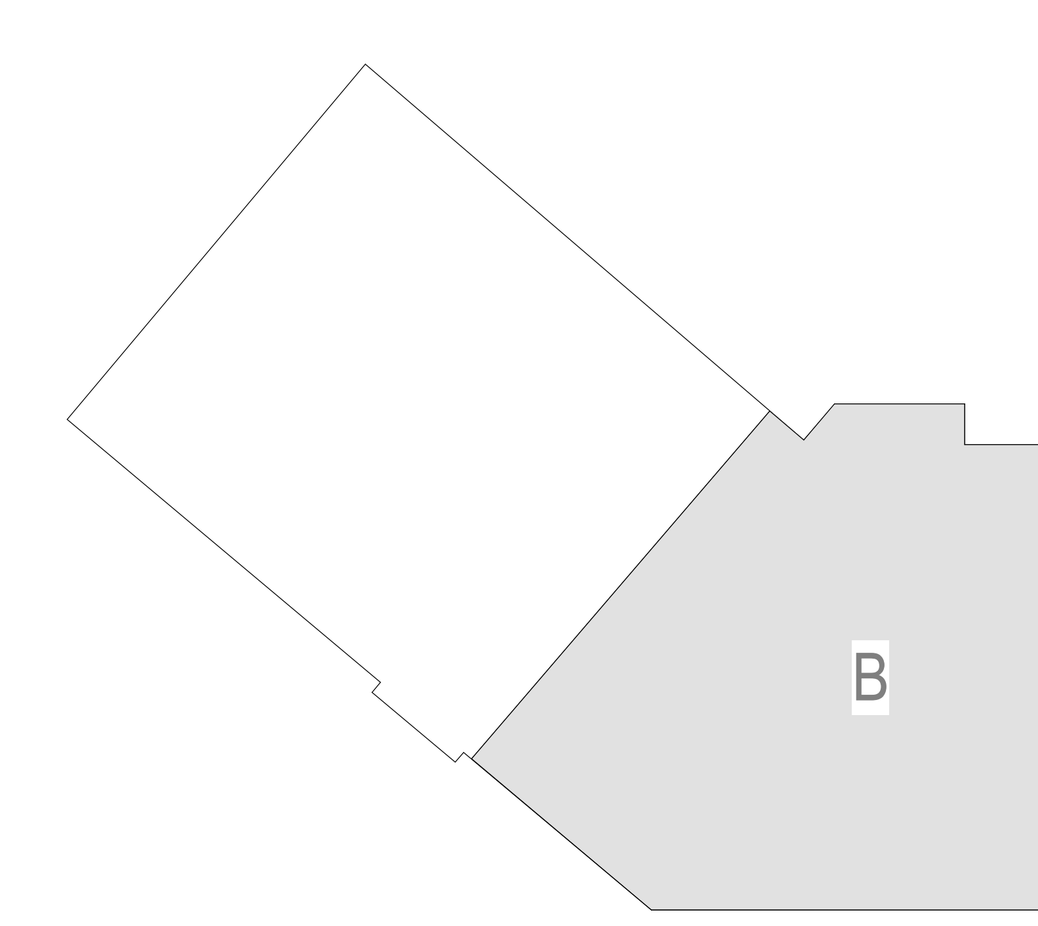
MILLWORK

A. U.N.O. ALL VERTICAL SURFACES OF CASEWORK/ MILLWORK TO RECEIVE PLAM-1. ALL COUNTERTOPS AND BACKSPLASHES SURFACES TO RECEIVE SS-1 OR SS-2 SEE FINISH LEGEND FOR MORE INFORMATION ON LOCATIONS / REFER TO CASEWORK/MILLWORK ELEVATIONS FOR MORE INFORMATION.
B. U.N.O. ALL WOOD GRAIN LAMINATE IS TO BE INSTALLED WITH THE GRAINING RUNNING VERTICALLY. SEE INTERIOR ELEVATIONS FOR NOTED EXCEPTIONS
C. ALL EXPOSED SURFACES OF MILLWORK TO BE COVERED WITH LAMINATE, NO MELAMINE OR UNFINISHED SURFACES WILL BE ACCEPTED.
D. GLASS LOCATED IN AND AROUND CARE TEAM STATIONS IS TO BE COUNTERSUNK IN TRANSACTION TOPS (AT BOTTOM OF PANEL) AND IN CEILING SOFFIT (AT TOP OF PANEL) TYP. U.N.O. SEE MILLWORK SECTIONS FOR MORE INFORMATION
E. PROVIDE 1" DEEP TOE KICK ON SIDES OF ALL MILLWORK PIECES THAT DO NOT TERMINATE AT WALL U.N.O./ THIS AREA IS TO RECEIVE RB. RUBBER BASE APPLIED TO PANELS WILL NOT BE ACCEPTED U.N.O./ COORDINATED HEIGHTS WITH ELEVATIONS
F. ALL SOLID SURFACE PRODUCTS ARE TO HAVE EASED EDGES TO ENSURE NO SHARP CORNERS
G. INCLUDE FIELD CUT GROMMETS IN ALL COUNTERTOPS TO ACCOMMODATE UNDERCOUNTER POWER/ COORDINATE WITH OWNER ON EXACT LOCATIONS



A1 / A145B **LEVEL 04 - FLOOR FINISH PLAN - AREA B**
1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA
NORTH CAROLINA REGISTERED ARCHITECT SEAL 17168 LISA MARIE CONNELL
02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
LEVEL 4 FLOOR FINISH PLAN -AREA B

SHEET NO. A145B
PROJ. NO. 024370.01

4/2/2026 12:02:48 PM Autodesk Docs://024370.00_Brunswick County Health & Human Services/ARCH_Brunswick County Health and Human Servic_R23.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2026 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

FINISH ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE	PLAM	PLASTIC LAMINATE
CG	CORNERGUARD	PS	PAINT - SEMI GLOSS
CPT	CARPET TILE	QZ	QUARTZ
CWT	CERAMIC WALL TILE	RAF	RAISED ACCESS FLOORING
DP	DECORATIVE PANEL	RB	RUBBER COVE BASE
EPY	RESINOUS FLOORING	RESP	RESIN PANEL
EPYB	RESINOUS FLOORING BASE	RS	ROLLER WINDOW SHADE
EPT	EPOXY TERRAZZO	RST	RUBBER STAIR TREAD & RISER
FRL	FIBERGLASS REINFORCED LAMINATE	SC	SEALED CONCRETE
GB	GLASS MARKER BOARD	SP	SIGNAGE PANEL
HIP	HIGH IMPACT PANEL	SS	SOLID SURFACE
HR	HANDRAIL	T	TRIM
LVT	LUXURY VINYL FLOORING	TER	TERRAZZO FLOORING
PE	PAINT - EGGSHELL FINISH	WD	WOOD CEILING
PEP	PAINT - EPOXY- EGGSHELL FINISH	WDB	WOOD BASE
PF	PAINT - FLAT	WOM	WALK OFF MAT
POR	PORCELAIN TILE	WP	WALL PROTECTION
PORB	PORCELAIN TILE BASE	WSSV	WELDED SEAM SHEET VINYL
PORW	PORCELAIN WALL TILE	WSSB	WELDED SEAM SHEET VINYL BASE

FINISH KEYNOTES

1. PROVIDE RB 2 MILLWORK BASE THIS ROOM/AREA
2. PROVIDE SCHLUTER COVE BASE DILEX AHK TO TRANSITION FLOOR TILE TO WALL TILE/TILE BASE
3. PROVIDE 6" INTEGRAL BASE THIS ROOM/AREA
4. FULL HEIGHT WALL TILE ALL WALLS THIS ROOM/AREA PORW-2 U.N.O.
5. SEE INTERIOR ELEVATION SHEETS FOR MORE INFORMATION
6. PE 2 ALL WALLS THIS ROOM/ AREA
7. PS 1 ALL WALLS THIS ROOM/ AREA
8. COORDINATE EXAM DOOR SURROUND. SEE ELEVATION B2/A419 FOR EXTENTS AND LOCATION OF PAINT
9. PEP 3 ALL WALLS THIS ROOM/AREA
10. PROVIDE 6" POR 2 BASE THIS ROOM/AREA
11. PROVIDE RB 3 AS BASE ON CUSTOMER SIDE (NON STAFF SIDE) OF THIS MILLWORK ITEM
12. PEP 4 ALL WALLS THIS ROOM/AREA

FINISH GENERAL NOTES

CEILING

A. U.N.O. ALL ACOUSTICAL CEILING TILE SHALL BE ACT 1. REFER TO REFLECTED CEILING PLANS FOR EXCEPTIONS.
B. U.N.O. ALL GYPSUM BOARD CEILINGS ARE TO RECEIVE PF-9/ CEILINGS IN WET LOCATIONS(I.E. TOILET ROOMS, TOILET SHOWER ROOMS AND PROCEDURE ROOMS TO RECEIVE PS-9. REFER TO REFLECTED CEILING PLANS FOR NOTED EXCEPTIONS FOR PAINT COLOR AND FINISH DESIGNATIONS
C. ALL CUT TEGULAR TILE IS TO BE FACTORY CUT AND FINISHED TO ENSURE CLEAN CUT AND FINISHED EDGES ON ALL EXPOSED EDGES U.N.O.
D. ALL SOUNDPLY WOOD PLANK (ACT 4) CEILINGS ARE BASED UPON USING 4'X10' PANELS AND 10' PLANKS AS THE TYPICAL UNIT OF SIZE U.N.O.

GENERAL NOTES

A. REFER TO THE PROJECT SPECIFICATIONS REGARDING INTERIOR WOOD DOOR SPECIES, CUT AND STAIN.
B. GC TO PROVIDE A MINIMUM OF 3% ATTIC STOCK OF ALL MATERIALS TO OWNER. PROVIDE MATERIALS IN UNOPENED BOXES.
C. CAULK AT BASE OF DOOR FRAME BETWEEN DOOR FRAME AND RESILIENT FLOORING TYPICAL ALL LOCATIONS. CAULK TO BE COLOR MATCHED TO MATCH DOOR FRAME PAINT COLOR
D. ALL ITEMS EXPOSED TO VIEW SHALL BE FINISHED (I.E. PAINTED, STAINED, ETC.) UNLESS PREFINISHED BY MANUFACTURER. NO UNFINISHED SURFACES WILL BE ACCEPTED U.N.O.
E. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK LEAD TIMES ON ALL FINISH ITEMS SO AS NOT TO DELAY WORK OR WORK OF OTHER TRADES.
F. U.N.O. TILES LESS THAN AN 1/3 OF A FULL PIECE OF TILE WILL NOT BE ACCEPTED. COORDINATE LAYOUT WITH ARCHITECT TO AVOID TILE "SLIVERS".
G. LOCKERS SHALL BE FACTORY FINISHED. GC TO PROVIDE ARCHITECT MANUFACTURERS FULL LINE OF COLOR/ FINISH OFFERINGS FOR SELECTION.
H. PROVIDE ROLLER SHADE AT EACH EXTERIOR WINDOW AND WINDOWS AT INTERIOR WINDOWS U.N.O. SEE FINISH LEGEND AND REFLECTED CEILING PLANS FOR MORE INFORMATION.
I. REFER TO ELECTRICAL INFORMATION FOR LIGHTING ALLOWANCES (DECORATIVE AND TASK LIGHTING) AND TYPES TO BE INCLUDED IN PRICING SET
J. PROVIDE BOBRICK LED BACKLIT MIRRORS IN ALL MULTIPLE FIXTURE PUBLIC TOILETS
K. PROVIDE BOBRICK WELDED FRAME MIRRORS AT ALL OTHER MIRROR LOCATIONS. SIZES AS SPECIFIED IN ELEVATIONS

WALLS

A. U.N.O. GYP BD. WALLS SHALL RECEIVE PE-1
B. U.N.O. ALL RECESSED WIREWAYS, ACCESS PANELS, GRILLES, ELEC PANELS AND ALL OTHER SUCH ARCHITECTURAL, ELECTRICAL AND MECHANICAL DEVICES SHALL BE FINISHED TO MATCH ADJACENT WALL OR CEILING COLOR.
C. U.N.O.ALL PAINTED HOLLOW METAL FRAMES AND DOORS SHALL RECEIVE PS-1. SEE WALL FINISH PLANS FOR NOTED EXCEPTIONS
D. REFER TO WALL FINISH PLANS AND/OR INTERIOR ELEVATIONS FOR EXTENT AND PATTERNING OF PORCELAIN AND CERAMIC WALL TILE
E. WALLS IN DATA ROOMS ARE TO RECEIVE FIRE RATED PLYWOOD, FIRE RATED PAINTED COLOR: BLACK: FINISH: FLAT
F. ON WALLS SCHEDULED TO RECEIVE PORCELAIN TILE, PROVIDE SCHLUTER FINEC TRIM PIECE ON ALL OUTSIDE CORNER U.N.O.

FLOORING

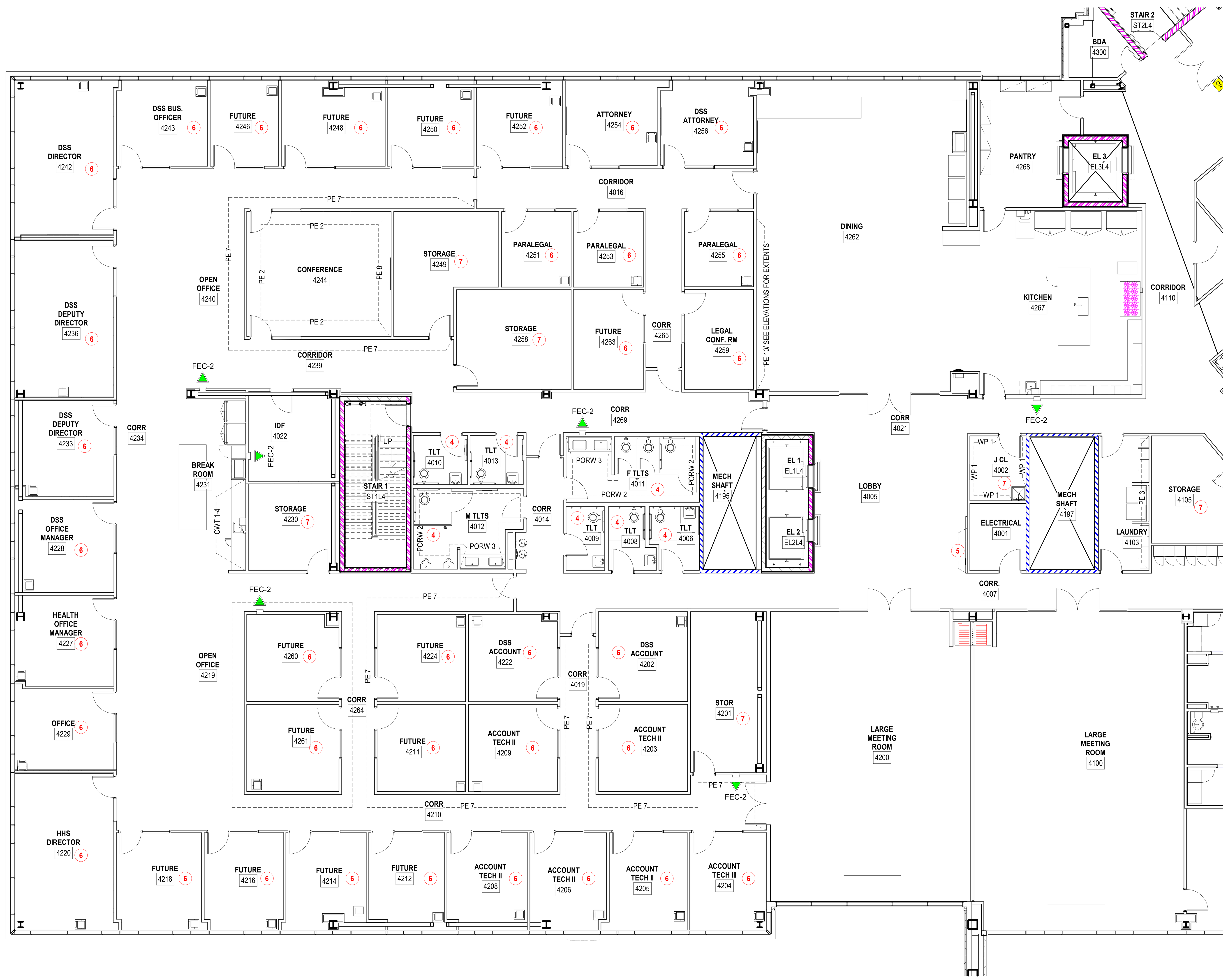
A. U.N.O. ALL AREAS RECEIVING RESILIENT FLOORING (TILE OR SHEET GOODS) AND/ OR CARPET SHALL RECEIVE RB-1.
B. FEATHER ALL FLOORING MATERIALS AS REQUIRED TO ENSURE A LEVEL TRANSITION BETWEEN MATERIALS OF VARYING THICKNESS.
C. U.N.O. TRANSITION ALL FLOOR FINISHES AT CENTER OF DOOR WHEN IN THE "CLOSED" POSITION.
D. CONTINUE ALL SCHEDULED FLOORING MATERIAL UNDER MILLWORK AND INTO ALL RECESSES U.N.O.
E. MAINTAIN UNIFORMITY OF FLOOR COVERING DIRECTION U.N.O.
F. MINIMIZE NUMBER OF SEAMS, PLACE SEAMS IN INCONSPICUOUS AND LOW TRAFFIC AREAS WHERE POSSIBLE.
G. REFERENCE FLOORING GRAINING SYMBOL FOR CORRECT INSTALLATION DIRECTION OF FLOOR GRAINING. **DO NOT FOLLOW HATCH PATTERN DIRECTION SHOWN ON PLANS.**
H. GC TO PROVIDE ARCHITECT SEAMING DIAGRAM AND INSTALLATION PLAN FOR ALL FLOORING PRIOR TO INSTALLATION OF ANY AND ALL FLOOR COVERINGS.
I. ALL SHEET RESILIENT FLOORING IS TO BE HEAT WELDED. GC TO SUBMIT MANUFACTURERS FULL LINE OF SAMPLES FOR ARCHITECT SELECTION.

WALL PROTECTION

A. REFER TO WALL FINISH PLAN FOR CORNERGUARDS AND HIGH IMPACT PANEL LOCATIONS.
B. PROVIDE ALL FINISH PIECES ON ALL WALL PROTECTION PRODUCTS U.N.O.
C. PROVIDE ALL COORDINATING TRIM PIECES ON ALL HIGH IMPACT WALL PANELS. BUTT JOINT VERTICAL SEAMS AND SEAL WITH COLOR MATCH CAULK.
D. PROVIDE CORNERGUARDS AT ALL EXTERIOR CORNERS U.N.O./ CORNERGUARDS ARE NOT TO BE USED ON EXTERIOR CORNERS SCHEDULED TO RECEIVE WALL TILE U.N.O.
E. CONTRACTOR TO VERIFY ANGLE OF ALL CORNERS BEFORE PURCHASE AND INSTALLATION OF ALL CORNERGUARDS.
F. ALL CORNERGUARDS TO RUN FROM TOP OF BASE TO FINISHED CEILING U.N.O./ CORNERGUARDS ON HALF WALLS TO RUN FROM TOP OF BASE TO UNDERSIDE OF WALL CAP U.N.O.
G. DO NOT RUN WALL PROTECTION PANELS/TRIM BEHIND CASEWORK. PANELS/TRIM TO BE INSTALLED TIGHT TO THE CASEWORK (DO NOT CUT SHORT)

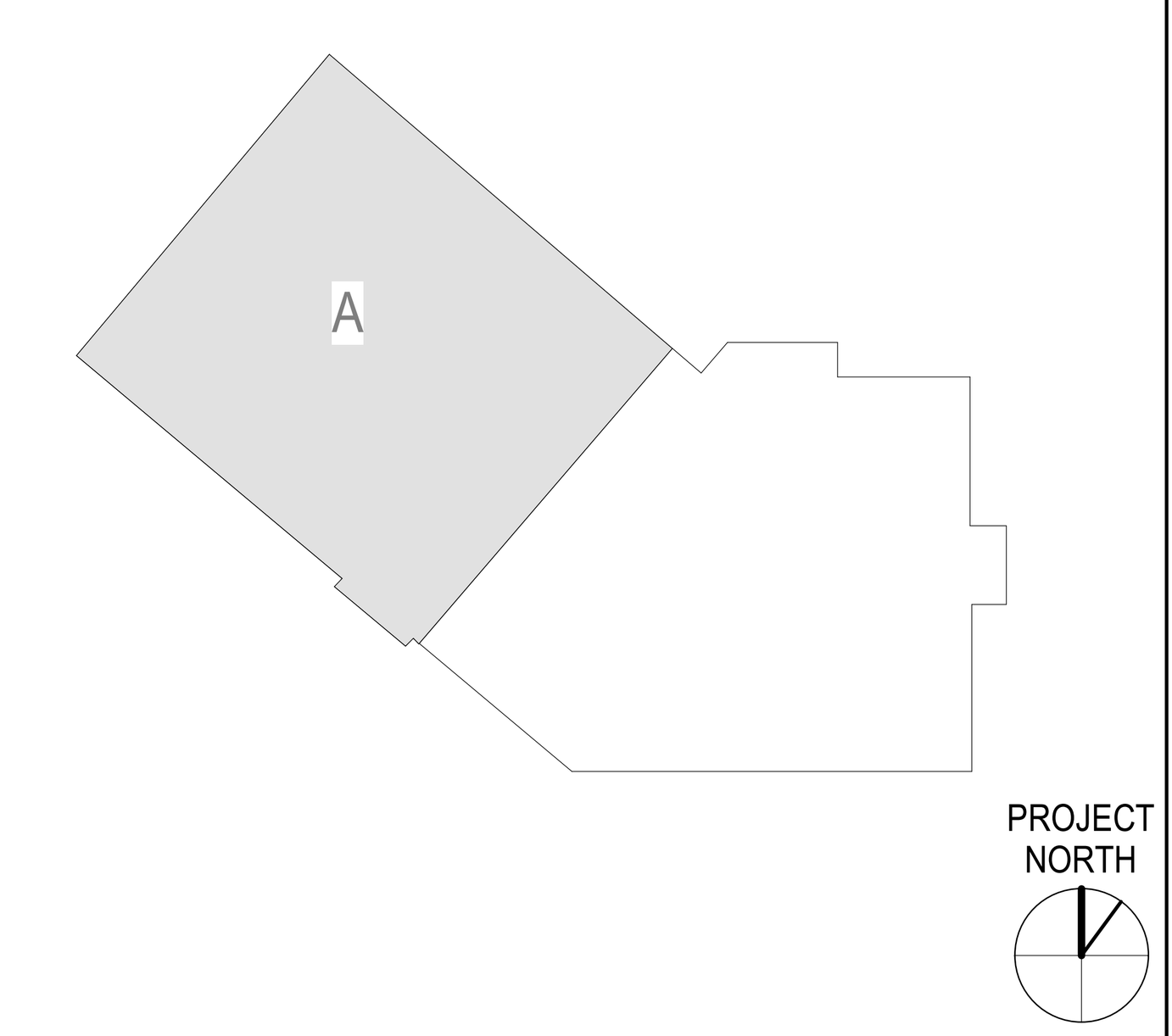
MILLWORK

A. U.N.O. ALL VERTICAL SURFACES OF CASEWORK/ MILLWORK TO RECEIVE PLAM-1. ALL COUNTERTOPS AND BACKSPLASHES SURFACES TO RECEIVE SS-1 OR SS-2 SEE FINISH LEGEND FOR MORE INFORMATION ON LOCATIONS / REFER TO CASEWORK/MILLWORK ELEVATIONS FOR MORE INFORMATION.
B. U.N.O. ALL WOOD GRAIN LAMINATE IS TO BE INSTALLED WITH THE GRAINING RUNNING VERTICALLY. SEE INTERIOR ELEVATIONS FOR NOTED EXCEPTIONS
C. ALL EXPOSED SURFACES OF MILLWORK TO BE COVERED WITH LAMINATE, NO MELAMINE OR UNFINISHED SURFACES WILL BE ACCEPTED.
D. GLASS LOCATED IN AND AROUND CARE TEAM STATIONS IS TO BE COUNTERSUNK IN TRANSACTION TOPS (AT BOTTOM OF PANEL) AND IN CEILING SOFFIT (AT TOP OF PANEL) TYP. U.N.O. SEE MILLWORK SECTIONS FOR MORE INFORMATION
E. PROVIDE 1" DEEP TOE KICK ON SIDES OF ALL MILLWORK PIECES THAT DO NOT TERMINATE AT WALL U.N.O./ THIS AREA IS TO RECEIVE RB. RUBBER BASE APPLIED TO PANELS WILL NOT BE ACCEPTED U.N.O./ COORDINATED HEIGHTS WITH ELEVATIONS
F. ALL SOLID SURFACE PRODUCTS ARE TO HAVE EASED EDGES TO ENSURE NO SHARP CORNERS
G. INCLUDE FIELD CUT GROMMETS IN ALL COUNTERTOPS TO ACCOMMODATE UNDERCOUNTER POWER/ COORDINATE WITH OWNER ON EXACT LOCATIONS



A1 / A146A **LEVEL 04 - WALL FINISH PLAN - AREA A**
1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA
NORTH CAROLINA REGISTERED ARCHITECT SEAL 17168 LISA MARIE CONNELL
02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
LEVEL 4 WALL FINISH PLAN -AREA A

SHEET NO. A146A
PROJ. NO. 024370.01

FINISH ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE
CG	CORNERGUARD
CPT	CARPET TILE
CWT	CERAMIC WALL TILE
DP	DECORATIVE PANEL
EPY	RESINOUS FLOORING
EPYB	RESINOUS FLOORING BASE
EPT	EPOXY TERRAZZO
FRL	FIBERGLASS REINFORCED LAMINATE
GB	GLASS MARKER BOARD
HIP	HIGH IMPACT PANEL
HR	HANDRAIL
LVT	LUXURY VINYL FLOORING
PE	PAINT - EGGSHELL FINISH
PEP	PAINT - EPOXY- EGGSHELL FINISH
PF	PAINT - FLAT
POR	PORCELAIN TILE
PORB	PORCELAIN TILE BASE
PORW	PORCELAIN WALL TILE
PLAM	PLASTIC LAMINATE
PS	PAINT - SEMI GLOSS
QZ	QUARTZ
RAF	RAISED ACCESS FLOORING
RB	RUBBER COVE BASE
RESP	RESIN PANEL
RS	ROLLER WINDOW SHADE
RST	RUBBER STAIR TREAD & RISER
SC	SEALED CONCRETE
SP	SIGNAGE PANEL
SS	SOLID SURFACE
T	TRIM
TER	TERRAZZO FLOORING
WD	WOOD CEILING
WDB	WOOD BASE
WOM	WALK OFF MAT
WP	WALL PROTECTION
WSSV	WELDED SEAM SHEET VINYL
WSSB	WELDED SEAM SHEET VINYL BASE

FINISH KEYNOTES

1. PROVIDE RB 2 MILLWORK BASE THIS ROOM/AREA
2. PROVIDE SCHLUTER COVE BASE DILEX AHK TO TRANSITION FLOOR TILE TO WALL TILE/TILE BASE
3. PROVIDE 6" INTEGRAL BASE THIS ROOM/AREA
4. FULL HEIGHT WALL TILE ALL WALLS THIS ROOM/AREA PORW-2 U.N.O.
5. SEE INTERIOR ELEVATION SHEETS FOR MORE INFORMATION
6. PE 2 ALL WALLS THIS ROOM/ AREA
7. PS 1 ALL WALLS THIS ROOM/ AREA
8. COORDINATE EXAM DOOR SURROUND. SEE ELEVATION B2/A419 FOR EXTENTS AND LOCATION OF PAINT
9. PEP 3 ALL WALLS THIS ROOM/AREA
10. PROVIDE 6" POR 2 BASE THIS ROOM/AREA
11. PROVIDE RB 3 AS BASE ON CUSTOMER SIDE (NON STAFF SIDE) OF THIS MILLWORK ITEM
12. PEP 4 ALL WALLS THIS ROOM/AREA

FINISH GENERAL NOTES

CEILING

A. U.N.O. ALL ACOUSTICAL CEILING TILE SHALL BE ACT 1. REFER TO REFLECTED CEILING PLANS FOR EXCEPTIONS.
B. U.N.O. ALL GYPSUM BOARD CEILINGS ARE TO RECEIVE PF-9/ CEILINGS IN WET LOCATIONS(I.E. TOILET ROOMS, TOILET SHOWER ROOMS AND PROCEDURE ROOMS TO RECEIVE PS-9. REFER TO REFLECTED CEILING PLANS FOR NOTED EXCEPTIONS FOR PAINT COLOR AND FINISH DESIGNATIONS
C. ALL CUT TEGULAR TILE IS TO BE FACTORY CUT AND FINISHED TO ENSURE CLEAN CUT AND FINISHED EDGES ON ALL EXPOSED EDGES U.N.O.
D. ALL SOUNDPLY WOOD PLANK (ACT 4) CEILINGS ARE BASED UPON USING 4'X10' PANELS AND 10' PLANKS AS THE TYPICAL UNIT OF SIZE U.N.O.

GENERAL NOTES

A. REFER TO THE PROJECT SPECIFICATIONS REGARDING INTERIOR WOOD DOOR SPECIES, CUT AND STAIN.
B. GC TO PROVIDE A MINIMUM OF 3% ATTIC STOCK OF ALL MATERIALS TO OWNER. PROVIDE MATERIALS IN UNOPENED BOXES.
C. CAULK AT BASE OF DOOR FRAME BETWEEN DOOR FRAME AND RESILIENT FLOORING TYPICAL ALL LOCATIONS. CAULK TO BE COLOR MATCHED TO MATCH DOOR FRAME PAINT COLOR
D. ALL ITEMS EXPOSED TO VIEW SHALL BE FINISHED (I.E. PAINTED, STAINED, ETC.) UNLESS PREFINISHED BY MANUFACTURER. NO UNFINISHED SURFACES WILL BE ACCEPTED U.N.O.
E. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK LEAD TIMES ON ALL FINISH ITEMS SO AS NOT TO DELAY WORK OR WORK OF OTHER TRADES.
F. U.N.O. TILES LESS THAN AN 1/3 OF A FULL PIECE OF TILE WILL NOT BE ACCEPTED. COORDINATE LAYOUT WITH ARCHITECT TO AVOID TILE "SLIVERS".
G. LOCKERS SHALL BE FACTORY FINISHED. GC TO PROVIDE ARCHITECT MANUFACTURERS FULL LINE OF COLOR/ FINISH OFFERINGS FOR SELECTION.
H. PROVIDE ROLLER SHADE AT EACH EXTERIOR WINDOW AND WINDOWS AT INTERIOR WINDOWS U.N.O. SEE FINISH LEGEND AND REFLECTED CEILING PLANS FOR MORE INFORMATION.
I. REFER TO ELECTRICAL INFORMATION FOR LIGHTING ALLOWANCES (DECORATIVE AND TASK LIGHTING) AND TYPES TO BE INCLUDED IN PRICING SET
J. PROVIDE BOBRICK LED BACKLIT MIRRORS IN ALL MULTIPLE FIXTURE PUBLIC TOILETS
K. PROVIDE BOBRICK WELDED FRAME MIRRORS AT ALL OTHER MIRROR LOCATIONS. SIZES AS SPECIFIED IN ELEVATIONS

WALLS

A. U.N.O. GYP BD. WALLS SHALL RECEIVE PE-1
B. U.N.O. ALL RECESSED WIREWAYS, ACCESS PANELS, GRILLES, ELEC PANELS AND ALL OTHER SUCH ARCHITECTURAL, ELECTRICAL AND MECHANICAL DEVICES SHALL BE FINISHED TO MATCH ADJACENT WALL OR CEILING COLOR.
C. U.N.O.ALL PAINTED HOLLOW METAL FRAMES AND DOORS SHALL RECEIVE PS-1. SEE WALL FINISH PLANS FOR NOTED EXCEPTIONS
D. REFER TO WALL FINISH PLANS AND/OR INTERIOR ELEVATIONS FOR EXTENT AND PATTERNING OF PORCELAIN AND CERAMIC WALL TILE
E. WALLS IN DATA ROOMS ARE TO RECEIVE FIRE RATED PLYWOOD, FIRE RATED PAINTED COLOR: BLACK: FINISH: FLAT
F. ON WALLS SCHEDULED TO RECEIVE PORCELAIN TILE, PROVIDE SCHLUTER FINEC TRIM PIECE ON ALL OUTSIDE CORNER U.N.O.

FLOORING

A. U.N.O. ALL AREAS RECEIVING RESILIENT FLOORING (TILE OR SHEET GOODS) AND/ OR CARPET SHALL RECEIVE RB-1.
B. FEATHER ALL FLOORING MATERIALS AS REQUIRED TO ENSURE A LEVEL TRANSITION BETWEEN MATERIALS OF VARYING THICKNESS.
C. U.N.O. TRANSITION ALL FLOOR FINISHES AT CENTER OF DOOR WHEN IN THE "CLOSED" POSITION.
D. CONTINUE ALL SCHEDULED FLOORING MATERIAL UNDER MILLWORK AND INTO ALL RECESSES U.N.O.
E. MAINTAIN UNIFORMITY OF FLOOR COVERING DIRECTION U.N.O.
F. MINIMIZE NUMBER OF SEAMS, PLACE SEAMS IN INCONSPICUOUS AND LOW TRAFFIC AREAS WHERE POSSIBLE.
G. REFERENCE FLOORING GRAINING SYMBOL FOR CORRECT INSTALLATION DIRECTION OF FLOOR GRAINING. **DO NOT FOLLOW HATCH PATTERN DIRECTION SHOWN ON PLANS.**
H. GC TO PROVIDE ARCHITECT SEAMING DIAGRAM AND INSTALLATION PLAN FOR ALL FLOORING PRIOR TO INSTALLATION OF ANY AND ALL FLOOR COVERINGS.
I. ALL SHEET RESILIENT FLOORING IS TO BE HEAT WELDED. GC TO SUBMIT MANUFACTURERS FULL LINE OF SAMPLES FOR ARCHITECT SELECTION.

WALL PROTECTION

A. REFER TO WALL FINISH PLAN FOR CORNERGUARDS AND HIGH IMPACT PANEL LOCATIONS.
B. PROVIDE ALL FINISH PIECES ON ALL WALL PROTECTION PRODUCTS U.N.O.
C. PROVIDE ALL COORDINATING TRIM PIECES ON ALL HIGH IMPACT WALL PANELS. BUTT JOINT VERTICAL SEAMS AND SEAL WITH COLOR MATCH CAULK.
D. PROVIDE CORNERGUARDS AT ALL EXTERIOR CORNERS U.N.O./ CORNERGUARDS ARE NOT TO BE USED ON EXTERIOR CORNERS SCHEDULED TO RECEIVE WALL TILE U.N.O.
E. CONTRACTOR TO VERIFY ANGLE OF ALL CORNERS BEFORE PURCHASE AND INSTALLATION OF ALL CORNERGUARDS.
F. ALL CORNERGUARDS TO RUN FROM TOP OF BASE TO FINISHED CEILING U.N.O./ CORNERGUARDS ON HALF WALLS TO RUN FROM TOP OF BASE TO UNDERSIDE OF WALL CAP U.N.O.
G. DO NOT RUN WALL PROTECTION PANELS/TRIM BEHIND CASEWORK. PANELS/TRIM TO BE INSTALLED TIGHT TO THE CASEWORK (DO NOT CUT SHORT)

MILLWORK

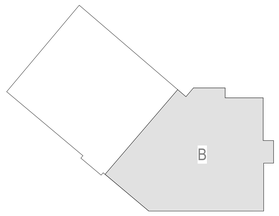
A. U.N.O. ALL VERTICAL SURFACES OF CASEWORK/ MILLWORK TO RECEIVE PLAM-1. ALL COUNTERTOPS AND BACKSPLASHES SURFACES TO RECEIVE SS-1 OR SS-2 SEE FINISH LEGEND FOR MORE INFORMATION ON LOCATIONS / REFER TO CASEWORK/MILLWORK ELEVATIONS FOR MORE INFORMATION.
B. U.N.O. ALL WOOD GRAIN LAMINATE IS TO BE INSTALLED WITH THE GRAINING RUNNING VERTICALLY. SEE INTERIOR ELEVATIONS FOR NOTED EXCEPTIONS
C. ALL EXPOSED SURFACES OF MILLWORK TO BE COVERED WITH LAMINATE, NO MELAMINE OR UNFINISHED SURFACES WILL BE ACCEPTED.
D. GLASS LOCATED IN AND AROUND CARE TEAM STATIONS IS TO BE COUNTERSUNK IN TRANSACTION TOPS (AT BOTTOM OF PANEL) AND IN CEILING SOFFIT (AT TOP OF PANEL) TYP. U.N.O. SEE MILLWORK SECTIONS FOR MORE INFORMATION
E. PROVIDE 1" DEEP TOE KICK ON SIDES OF ALL MILLWORK PIECES THAT DO NOT TERMINATE AT WALL U.N.O./ THIS AREA IS TO RECEIVE RB. RUBBER BASE APPLIED TO PANELS WILL NOT BE ACCEPTED U.N.O./ COORDINATED HEIGHTS WITH ELEVATIONS
F. ALL SOLID SURFACE PRODUCTS ARE TO HAVE EASED EDGES TO ENSURE NO SHARP CORNERS
G. INCLUDE FIELD CUT GROMMETS IN ALL COUNTERTOPS TO ACCOMMODATE UNDERCOUNTER POWER/ COORDINATE WITH OWNER ON EXACT LOCATIONS



A1 / A146B — **LEVEL 04 - WALL FINISH PLAN - AREA B**

1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERT. NO. 54314 REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 37165 ANN MARIE CONNELLY 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

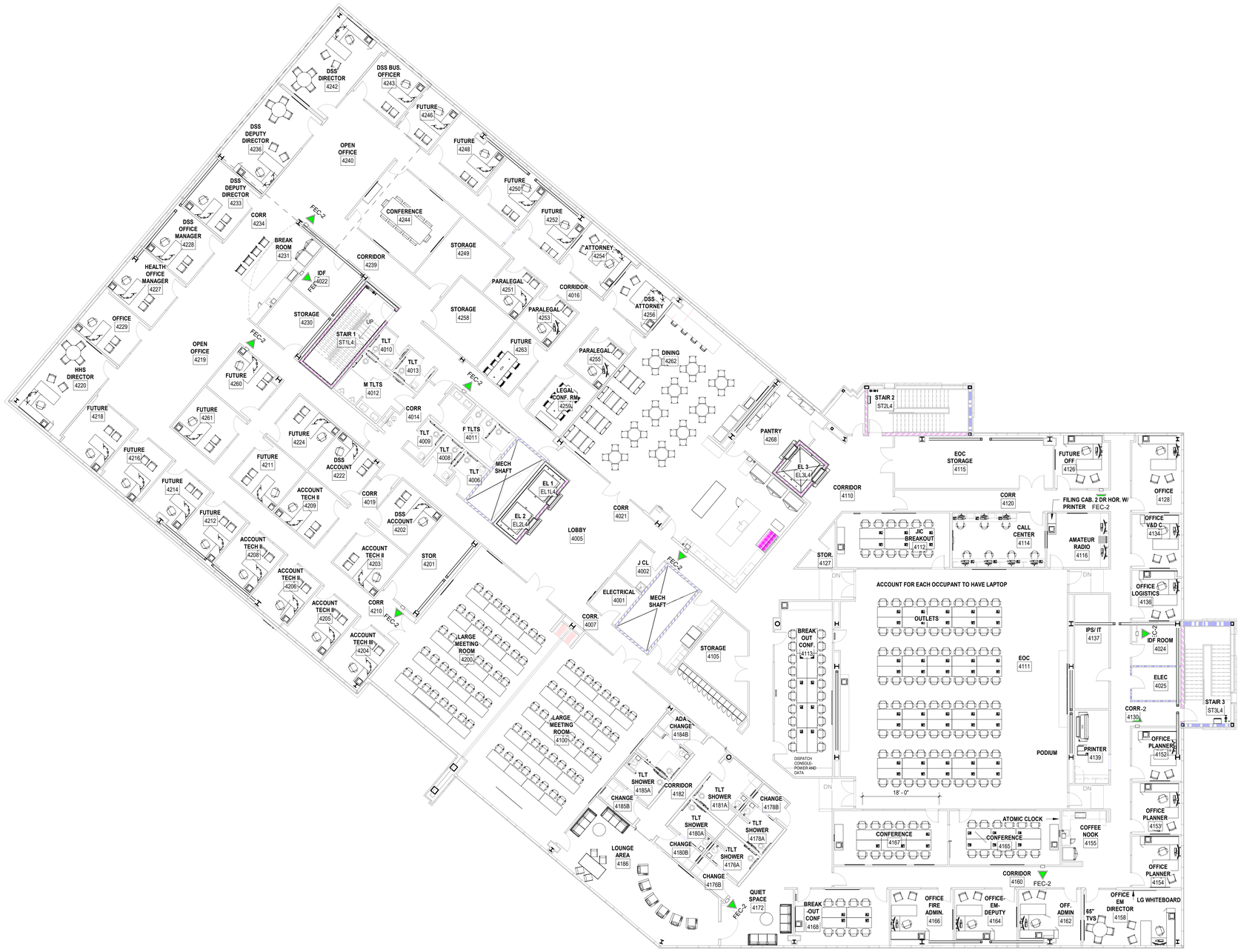
SHEET TITLE:

LEVEL 4 WALL FINISH PLAN -AREA B

SHEET NO. A146B

PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON ANY PROJECT TO THEM EXCEPTING PURSUANT TO A WRITTEN AGREEMENT WITH MCMILLAN PAZDAN SMITH ARCHITECTURE FOR THE PROJECT. THEY ARE NOT TO BE USED WITH ANY OTHER PROJECT AND ARE NOT TO BE LOANED, COPIED OR DISCLOSED TO ANYONE WITHOUT THE WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. UPON COMPLETION OF THE PROJECT, SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

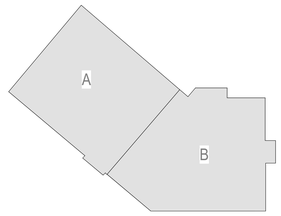


ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR STORED, ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

A1 / A149 **LEVEL 04 - FFE PLAN** FOR REFERENCE ONLY
3/32" = 1'-0"

FOR REFERENCE ONLY

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17168 M. MARIE CONNELLY 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

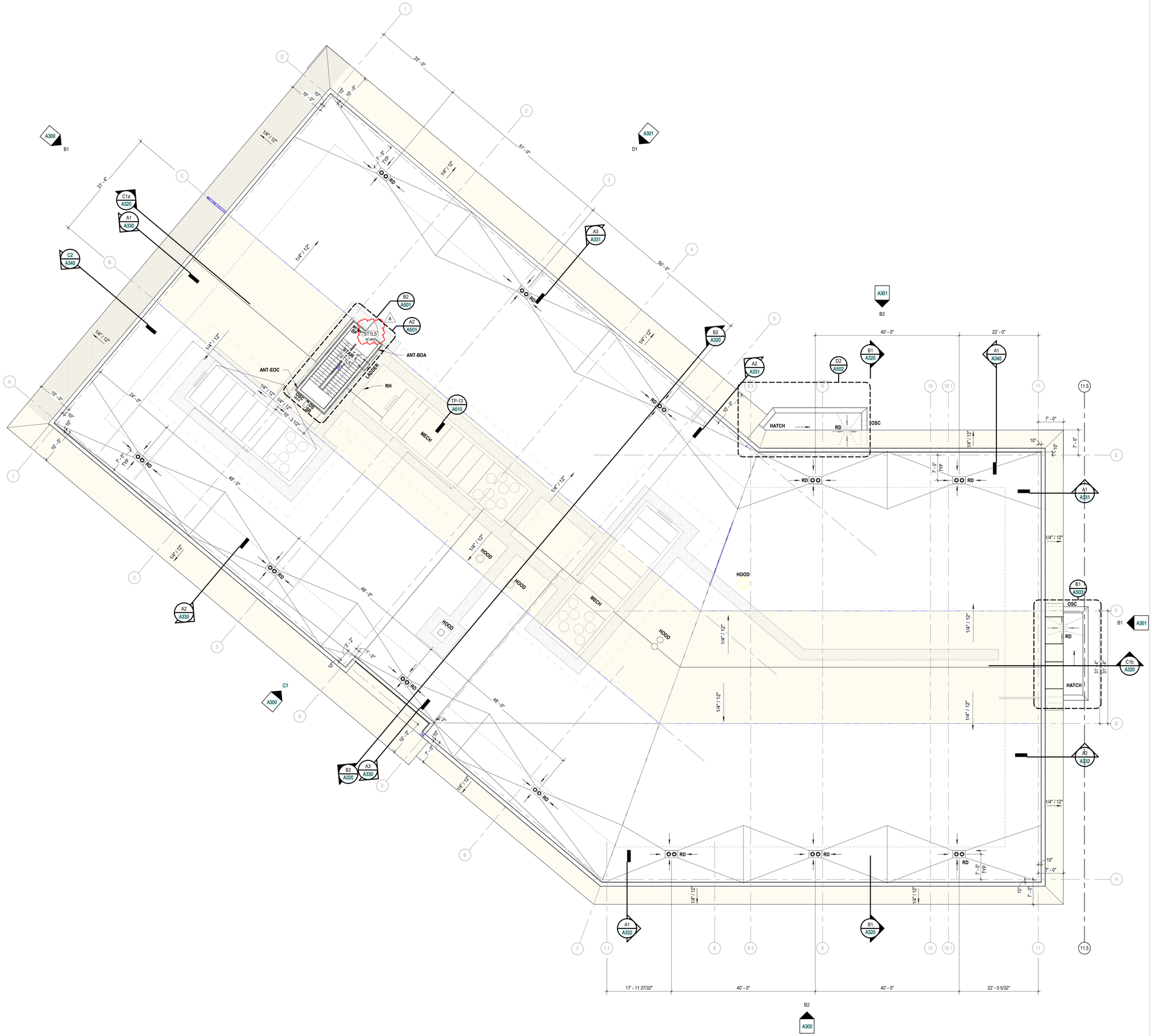
NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
LEVEL 4 FFE PLAN

SHEET NO. A149

PROJ. NO. 024370.01



ROOF KEYNOTES / LEGEND

RD	ROOF DRAIN AND OVERFLOW DRAIN ASSEMBLY REFER TO DETAIL TP-26 / A610.
ON	DOWNSPOUT OVERFLOW NOZZLE, W/ FLAPPER TYP 12" ABOVE FINISHED GRADE BOD: ZURN ZF199 - W/ SST FASTENERS
RH	ROOF HYDRANT - GENERAL PURPOSE WATER REFER TO PLUMB DWGS
MECH	MECHANICAL UNIT REF MECH DWGS
SB	SPLASH BLOCK BY ROOFING SYSTEM PROVIDER
DS	DOWNSPOUT WITH CONDUCTOR HEAD REFER TO D2 / A611
OSC	OVERFLOW SCUPPER REFER TO TP-31 AND D3/A611
HATCH	4'x4' ROOF HATCH W/ INTEGRAL GUARDRAIL SYSTEM REFER TO B1 / A611
SP	STANDPIPE / FIRE RISER REF FP DWGS
VTR	VENT THRU ROOF REF PLUMB DWGS AND TP-20 / A610
HOOD	EXHAUST HOOD REF MECH DWGS
LADDER	ROOF ACCESS LADDER REFER TO A1 / A611
ANT-BDA	CFCI: BDA ROOFTOP RADIO ANTENNA POLE CFCI: BDA EQUIPMENT AND WIRING REF ROOF PENETRATION DETAILS A610 REF C1/A611, ELEC DWGS, AND ALLOWANCES.
ANT-EOC	CFCI: EOC ROOFTOP RADIO ANTENNA POLE OFCI: ALL ANTENNAE, DEVICES, AND WIRING REF ROOF PENETRATION DETAILS A610 REF C1/A611 AND ELEC DWGS
	10' PERIMETER FALL PROTECTION LINE
	PRIMARY ROOF SLOPE PROVIDED BY TAPERED INSULATION (NOT SLOPED STRUCTURE)
	ROOF WALKWAY PADS. FIELD VERIFY LOCATIONS PROVIDE ACCESS TO ALL MECHANICAL EQUIPMENT

GENERAL NOTES - ROOF

A. ALL METAL GUTTERS, DOWNSPOUTS, FLASHING, COPINGS, ETC. ARE TO BE ALUMINUM WITH KYNAR FINISH. MATCH COLOR OF ADJACENT WALL MULTIPLE COLORS REQUIRED.

B. REFER TO BUILDING ENVELOPE CHART, ON SHEET G003, FOR REQUIRED ROOF R-VALUES.

C. MECHANICAL AND PLUMBING INFO IS SHOWN FOR GENERAL COORDINATION AND REFERENCE ONLY. SEE MECH AND PLUMB DWGS FOR ADDITIONAL ROOFTOP ITEMS.

D. ALL ROOF FLASHING IS TO EXTEND UP A MIN OF 8" OR AS REQUIRED BY ROOFING PROVIDER. GC IS TO COORDINATE ALL CURB SIZES SO THAT MIN FLASHING HEIGHTS MAY BE PROVIDED.

E. ALL ROOFING AND TRIM IS TO BE INSTALLED PER DIRECTION AND DETAILS SHOWN IN NRCA MANUAL (LATEST EDITION).

F. ALL ROOF STRUCTURE IS TO HAVE 1/4" PER FT. MIN.SLOPE. NOTIFY ARCHITECT PRIOR TO INSTALLING ANY ROOFING IF SLOPE IS LESS THAN REQUIRED.

G. ALL TAPERED INSULATION COUNTER SLOPES ARE TO BE 1/2" PER FT. MIN.

H. THE MAXIMUM VERTICAL APPLICATION OF ROOF MEMBRANE IS 24" ON PARAPET USING STAINLESS STEEL TERMINATION BARS AS REQUIRED BY MANUFACTURER. FOR PARAPETS GREATER THAN 24", USE KYNAR FINISHED ALUM EXTERIOR WALL PANEL SYSTEM OR HIGH WALL FLASHING SYSTEM.

J. ALL ROOF MOUNTED EQUIPMENT WITH OPERABLE OR SERVICEABLE PARTS IS TO BE LOCATED 10' FROM INSIDE FACE OF PARAPET WALL. GENERAL CONTRACTOR IS TO COORDINATE ALL LOCATIONS.

K. ROOF DRAINS ARE TO BE PROVIDED BY ROOFING CONTRACTOR. PLUMBING CONTRACTOR TO CONNECT BELOW ROOF. GC TO COORDINATE

L. PROVIDE LIGHTENING PROTECTION SYSTEM. REFER TO ELECTRICAL DWGS.

M. PROVIDE SEISMIC CURBS FOR ALL ROOF EQUIPMENT. REF MECH DWGS. CONTRACTOR IS TO HAVE APPROVED CURB SHOP DRAWINGS PRIOR TO BEGINNING ANY ROOF FRAMING.

A N. PROVIDE ROOF CRICKETS ON HIGH SIDE OF ALL ROOF EQUIPMENT AND HATCHES TO SHED WATER TO DRAINS.

O. REFER TO PLUMBING DRAWINGS FOR ROOF DRAIN, GUTTER, AND VERTICAL LEADER SIZING CALCULATIONS FOR EACH AREA OF THE ROOF.

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF SIGNING CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION OF SUCH OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES DOES NOT CONSTITUTE PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. — CERT. NO. 54314 — REGISTERED ARCHITECTURAL CORPORATION — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 37305 LEA MARIE CONNELLY 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE:	02/06/2026
PHASE:	PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/26	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE:	M. SHEWARD
PROJECT ARCHITECT:	L. HOWELL
DRAWN BY:	Author

SHEET TITLE:

ROOF OVERALL PLAN

SHEET NO. A150

PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THEY ARE NOT TO BE USED ON ANY PROJECT OTHER THAN THE PROJECT FOR WHICH THEY HAVE BEEN PREPARED WITHOUT THE WRITTEN PERMISSION OF MCMILLAN PAZDAN SMITH ARCHITECTURE. SUBMISSION OR DISTRIBUTION OF THESE OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

Autodesk Docs://2025.01.08 - Brunswick County Health & Human Services/BCHS - Brunswick County Health and Human Services_R25.rvt
4/2/2026 3:36:43 PM - Autodesk Docs://2025.01.08 - Brunswick County Health & Human Services/BCHS - Brunswick County Health and Human Services_R25.rvt
THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF SIGNING CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR DESTROYED UPON REQUEST AT THE COMPLETION OF THE PROJECT. THEY ARE NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH.
ALL RIGHTS RESERVED

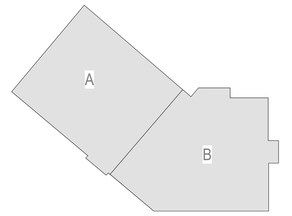
GENERAL RCP NOTES

A. ALL CEILINGS TO BE 9'-0" AFF UNLESS NOTED OTHERWISE.
B. SEE FINISH LEGEND FOR CEILING MANUFACTURER INFORMATION.
C. PERIMETER TRACK FOR ALL ACOUSTICAL CEILINGS GRIDS TO BE INSTALLED IN ACCORDANCE WITH IBC AND CISCA GUIDELINES.
D. DIMENSIONS ARE TO FACE GYP. BOARD.
E. CEILING GRIDS/TILES TO BE INSTALLED TO ACCOMODATE LIGHTING LOCATION AS SHOWN ON PLAN. PARTIAL TILES AT ROOM PERIMETERS SHALL NOT BE LESS THAN 0'-3".
F. SEE ELECTRICAL, FIRE ALARM AND FIRE PROTECTION DRAWINGS FOR SPECIAL SYSTEMS, SMOKE DETECTORS, LIGHTING AND WALL MOUNTED FIXTURES NOT SHOWN ON THIS SHEET. COORDINATE LOCATIONS OF ALL FIXTURES NOT INDICATED WITH LAYOUT INDICATED ON THIS SHEET
G. LIGHT FIXTURES AND MECHANICAL DIFFUSERS ARE SHOWN FOR POSITIONING IN FINISH CEILING SYSTEM. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR FIXTURE TYPES, MECHANICAL DIFFUSERS, WALL MOUNTED FIXTURES AND INSTALLATION OF FIXTURES IN SPACES WITHOUT CEILINGS.
H. EXTEND PERIMETER WALLS AND FINISH TO STRUCTURE ABOVE AT EXPOSED STRUCTURE AREAS.
I. CENTER LIGHTS, DIFFUSERS, EXIT SIGNS, SMOKE DETECTORS, SPEAKERS, GENERAL ALARM SPEAKERS/STROBES & MISC DEVICES IN CEILING TILES WHERE THEY ARE LOCATED. ALIGN MULTIPLE ITEM CENTER OR EDGES. PROVIDE COORDINATION SUBMITTAL FOR FINAL CONFIRMATION OF ALL FOH CEILING ELEMENT LOCATIONS.
J. INSTALL ACCESS PANELS IN GYPSUM BOARD CEILINGS AT DUCT DAMPER CONTROLS, DUCT MOUNTED SMOKE DETECTORS, MANUAL DUCT CONTROLS, HVAC EQUIP., ETC.
K. ALL SINGLE LIGHT FIXTURES SHALL BE CENTERED IN THE CEILING WHEN THEY OCCUR.
L. LOCATE SPRINKLER HEADS IN THE CENTER ZONE OF THE CEILING TILE. ALIGN CORRIDOR SPRINKLER HEADS IN THE SAME LINE PARALLEL TO THE WALL WITHIN EACH SPECIFIC CEILING CONSTRUCTION.
M. PROVIDE SHADE POCKET AT EACH GLASS/WINDOW CONDITION. SEE RCP SHEETS FOR MORE INFORMATION

RCP LEGEND

- EXIT SYMBOL TAG — LIGHTED WITH DIRECTIONAL ARROWS
- 10'-0" AFF — CEILING HEIGHT
- ACT 1 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 2 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 3 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 4 — SEE FINISH LEGEND FOR MORE INFORMATION
- GYPSUM BOARD CEILING SYSTEM
- 12" x 12" ACCESS PANEL
- EXHAUST- SEE MECHANICAL DWGS FOR MORE INFORMATION
- ACCESS PANEL — EXHAUST GRILLE - SEE MECHANICAL
- DECORATIVE FIXTURE SEE ELECTRICAL DWGS FOR MORE INFORMATION
- LIGHTART CIRCLE CEILING TILE/ DECORATIVE NOT A LIGHTING SOURCE
- LARGE DECORATIVE FIXTURE SEE ELECTRICAL DWGS FOR MORE INFORMATION
- PLAM SOFFIT AT CASEWORK
- SUSPENDED LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- 2'x2' LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- 2'x4' LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RECESSED DOWNLIGHT - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RECESSED LINEAR FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- CLOSET WALL MOUNTED LINEAR FIXTURE - SEE ELECTRICAL FOR MORE INFORMATION
- LINEAR SLOT SUPPLY GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- 2'x2' SUPPLY GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- 2'x2' RETURN GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- CURTAIN TRACK
- CUT TILE LOCATION; SEE RCP
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RS — SINGLE MANUAL ROLLER SHADE
- RS2 — DOUBLE MANUAL ROLLER SHADE

KEY PLAN



PROJECT NORTH

A1 / A210 **LEVEL 01 - RCP**
3/32" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED — SEAL 47168 — MARIE COMMERFORD — 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE:	02/06/2026
PHASE:	PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE:	M. SHEWARD
PROJECT ARCHITECT:	L. HOWELL
DRAWN BY:	Author

SHEET TITLE:

LEVEL 1 OVERALL RCP

SHEET NO. A210

PROJ. NO. 024370.01

GENERAL RCP NOTES

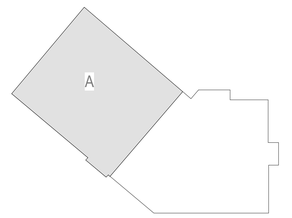
A. ALL CEILINGS TO BE 9'-0" AFF UNLESS NOTED OTHERWISE.
B. SEE FINISH LEGEND FOR CEILING MANUFACTURER INFORMATION.
C. PERIMETER TRACK FOR ALL ACOUSTICAL CEILINGS GRIDS TO BE INSTALLED IN ACCORDANCE WITH IBC AND CISCA GUIDELINES.
D. DIMENSIONS ARE TO FACE GYP. BOARD.
E. CEILING GRIDS/TILES TO BE INSTALLED TO ACCOMODATE LIGHTING LOCATION AS SHOWN ON PLAN. PARTIAL TILES AT ROOM PERIMETERS SHALL NOT BE LESS THAN 0'-3".
F. SEE ELECTRICAL, FIRE ALARM AND FIRE PROTECTION DRAWINGS FOR SPECIAL SYSTEMS. SMOKE DETECTORS, LIGHTING AND WALL MOUNTED FIXTURES NOT SHOWN ON THIS SHEET. COORDINATE LOCATIONS OF ALL FIXTURES NOT INDICATED WITH LAYOUT INDICATED ON THIS SHEET.
G. LIGHT FIXTURES AND MECHANICAL DIFFUSERS ARE SHOWN FOR POSITIONING IN FINISH CEILING SYSTEM. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR FIXTURE TYPES, MECHANICAL DIFFUSERS, WALL MOUNTED FIXTURES AND INSTALLATION OF FIXTURES IN SPACES WITHOUT CEILINGS.
H. EXTEND PERIMETER WALLS AND FINISH TO STRUCTURE ABOVE AT EXPOSED STRUCTURE AREAS.
I. CENTER LIGHTS, DIFFUSERS, EXIT SIGNS, SMOKE DETECTORS, SPEAKERS, GENERAL ALARM SPEAKERS/STROBES & MISC DEVICES IN CEILING TILES WHERE THEY ARE LOCATED. ALIGN MULTIPLE ITEM CENTER OR EDGES. PROVIDE COORDINATION SUBMITTAL FOR FINAL CONFIRMATION OF ALL FOH CEILING ELEMENT LOCATIONS.
J. INSTALL ACCESS PANELS IN GYPSUM BOARD CEILINGS AT DUCT DAMPER CONTROLS, DUCT MOUNTED SMOKE DETECTORS, MANUAL DUCT CONTROLS, HVAC EQUIP, ETC.
K. ALL SINGLE LIGHT FIXTURES SHALL BE CENTERED IN THE CEILING WHEN THEY OCCUR.
L. LOCATE SPRINKLER HEADS IN THE CENTER ZONE OF THE CEILING TILE. ALIGN CORRIDOR SPRINKLER HEADS IN THE SAME LINE PARALLEL TO THE WALL WITHIN EACH SPECIFIC CEILING CONSTRUCTION.
M. PROVIDE SHADE POCKET AT EACH GLASS/WINDOW CONDITION. SEE RCP SHEETS FOR MORE INFORMATION

RCP LEGEND

- EXIT SYMBOL TAG — LIGHTED WITH DIRECTIONAL ARROWS
- 10'-0" AFF — CEILING HEIGHT
- ACT 1 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 2 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 3 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 4 — SEE FINISH LEGEND FOR MORE INFORMATION
- GYPSUM BOARD CEILING SYSTEM
- 12" x 12" ACCESS PANEL
- EXHAUST- SEE MECHANICAL DWGS FOR MORE INFORMATION
- ACCESS PANEL
- EXHAUST GRILLE - SEE MECHANICAL
- DECORATIVE FIXTURE SEE ELECTRICAL DWGS FOR MORE INFORMATION
- LIGHTART CIRCLE CEILING TILE/ DECORATIVE NOT A LIGHTING SOURCE
- LARGE DECORATIVE FIXTURE SEE ELECTRICAL DWGS FOR MORE INFORMATION
- PLAM SOFFIT AT CASEWORK
- SUSPENDED LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- 2'x2' LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- 2'x4' LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RECESSED DOWNLIGHT - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RECESSED LINEAR FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- CLOSET WALL MOUNTED LINEAR FIXTURE - SEE ELECTRICAL FOR MORE INFORMATION
- LINEAR SLOT SUPPLY GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- 2'x2' SUPPLY GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- 2'x2' RETURN GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- CURTAIN TRACK
- CUT TILE LOCATION; SEE RCP
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RS — SINGLE MANUAL ROLLER SHADE
- RS2 — DOUBLE MANUAL ROLLER SHADE

Sheet Series	Number	RCP KEYED NOTES
A200		PROVIDE DRYFALL
A200	1	SEE A612/A5 FOR TYPICAL CEILING CONDITION IN ROOMS ALONG THE EXTERIOR CURTAIN WALL
A200	2	SEE A612/A4 FOR TYPICAL CEILING/SHADE CONDITION IN LARGE MEETING ROOMS
A200	3	SMOKE GUARD FIRE CURTAIN SYSTEM
A200	4	COORDINATE SOFFITT HEIGHT WITH FINAL LOCKER SELECTION
A200	5	RECESSED PROJECTION SCREEN AND AUDIO VISUAL SYSTEM BY OTHERS
A200	6	LINE OF OPERABLE WALL TRACK
A200	7	PROVIDE DRYFALL
A200	8	PROVIDE SPRAY APPLIED K13 AND DRYFALL. SEE D1/A003 FOR MORE INFORMATION

KEY PLAN



A1 / A211A — **LEVEL 01 - RCP - AREA A**
1/8" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED — SEAL 17168 — MARIE CONNOLLY — 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:

NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
LEVEL 1 RCP - AREA A

SHEET NO. A211A
PROJ. NO. 024370.01

PROJECT NORTH

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF SIGNING CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED ON SUPPLY ACCEPTED OR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THIS PROJECT DOES NOT CONSTITUTE PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH ARCHITECTURE ALL RIGHTS RESERVED

GENERAL RCP NOTES

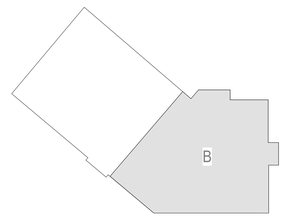
A. ALL CEILINGS TO BE 9'-0" AFF UNLESS NOTED OTHERWISE.
B. SEE FINISH LEGEND FOR CEILING MANUFACTURER INFORMATION.
C. PERIMETER TRACK FOR ALL ACOUSTICAL CEILINGS GRIDS TO BE INSTALLED IN ACCORDANCE WITH IBC AND CISCA GUIDELINES.
D. DIMENSIONS ARE TO FACE GYP. BOARD.
E. CEILING GRIDS/TILES TO BE INSTALLED TO ACCOMODATE LIGHTING LOCATION AS SHOWN ON PLAN. PARTIAL TILES AT ROOM PERIMETERS SHALL NOT BE LESS THAN 0'-3".
F. SEE ELECTRICAL, FIRE ALARM AND FIRE PROTECTION DRAWINGS FOR SPECIAL SYSTEMS. SMOKE DETECTORS, LIGHTING AND WALL MOUNTED FIXTURES NOT SHOWN ON THIS SHEET. COORDINATE LOCATIONS OF ALL FIXTURES NOT INDICATED WITH LAYOUT INDICATED ON THIS SHEET.
G. LIGHT FIXTURES AND MECHANICAL DIFFUSERS ARE SHOWN FOR POSITIONING IN FINISH CEILING SYSTEM. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR FIXTURE TYPES, MECHANICAL DIFFUSERS, WALL MOUNTED FIXTURES AND INSTALLATION OF FIXTURES IN SPACES WITHOUT CEILINGS.
H. EXTEND PERIMETER WALLS AND FINISH TO STRUCTURE ABOVE AT EXPOSED STRUCTURE AREAS.
I. CENTER LIGHTS, DIFFUSERS, EXIT SIGNS, SMOKE DETECTORS, SPEAKERS, GENERAL ALARM SPEAKERS/STROBES & MISC DEVICES IN CEILING TILES WHERE THEY ARE LOCATED. ALIGN MULTIPLE ITEM CENTER OR EDGES. PROVIDE COORDINATION SUBMITTAL FOR FINAL CONFIRMATION OF ALL FOH CEILING ELEMENT LOCATIONS.
J. INSTALL ACCESS PANELS IN GYPSUM BOARD CEILINGS AT DUCT DAMPER CONTROLS, DUCT MOUNTED SMOKE DETECTORS, MANUAL DUCT CONTROLS, HVAC EQUIP, ETC.
K. ALL SINGLE LIGHT FIXTURES SHALL BE CENTERED IN THE CEILING WHEN THEY OCCUR.
L. LOCATE SPRINKLER HEADS IN THE CENTER ZONE OF THE CEILING TILE. ALIGN CORRIDOR SPRINKLER HEADS IN THE SAME LINE PARALLEL TO THE WALL WITHIN EACH SPECIFIC CEILING CONSTRUCTION.
M. PROVIDE SHADE POCKET AT EACH GLASS/WINDOW CONDITION. SEE RCP SHEETS FOR MORE INFORMATION

RCP LEGEND

- EXIT SYMBOL TAG — LIGHTED WITH DIRECTIONAL ARROWS
- 10'-0" AFF — CEILING HEIGHT
- ACT 1 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 2 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 3 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 4 — SEE FINISH LEGEND FOR MORE INFORMATION
- GYPSUM BOARD CEILING SYSTEM
- 12" x 12" ACCESS PANEL
- EXHAUST- SEE MECHANICAL DWGS FOR MORE INFORMATION
- ACCESS PANEL
- EXHAUST GRILLE - SEE MECHANICAL
- DECORATIVE FIXTURE SEE ELECTRICAL DWGS FOR MORE INFORMATION
- LIGHTART CIRCLE CEILING TILE/ DECORATIVE NOT A LIGHTING SOURCE
- LARGE DECORATIVE FIXTURE SEE ELECTRICAL DWGS FOR MORE INFORMATION
- PLAM SOFFIT AT CASEWORK
- SUSPENDED LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- 2'x2' LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- 2'x4' LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RECESSED DOWNLIGHT - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RECESSED LINEAR FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- CLOSET WALL MOUNTED LINEAR FIXTURE - SEE ELECTRICAL FOR MORE INFORMATION
- LINEAR SLOT SUPPLY GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- 2'x2' SUPPLY GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- 2'x2' RETURN GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- CURTAIN TRACK
- CUT TILE LOCATION; SEE RCP
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RS — SINGLE MANUAL ROLLER SHADE
- RS2 — DOUBLE MANUAL ROLLER SHADE

Sheet Series	Number	RCP KEYED NOTES
A200		PROVIDE DRYFALL
A200	1	SEE A612/A5 FOR TYPICAL CEILING CONDITION IN ROOMS ALONG THE EXTERIOR CURTAIN WALL
A200	2	SEE A612/A4 FOR TYPICAL CEILING/SHADE CONDITION IN LARGE MEETING ROOMS
A200	3	SMOKE GUARD FIRE CURTAIN SYSTEM
A200	4	COORDINATE SOFFITT HEIGHT WITH FINAL LOCKER SELECTION
A200	5	RECESSED PROJECTION SCREEN AND AUDIO VISUAL SYSTEM BY OTHERS
A200	6	LINE OF OPERABLE WALL TRACK
A200	7	PROVIDE DRYFALL
A200	8	PROVIDE SPRAY APPLIED K13 AND DRYFALL. SEE D1/A003 FOR MORE INFORMATION

KEY PLAN



LEVEL 01 - RCP - AREA B

A1 / A211B — 1/8" = 1'-0"

PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED — SEAL 17165 — MARIE COMMERCIAL — 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
LEVEL 1 RCP - AREA B

SHEET NO.: A211B
PROJ. NO.: 024370.01

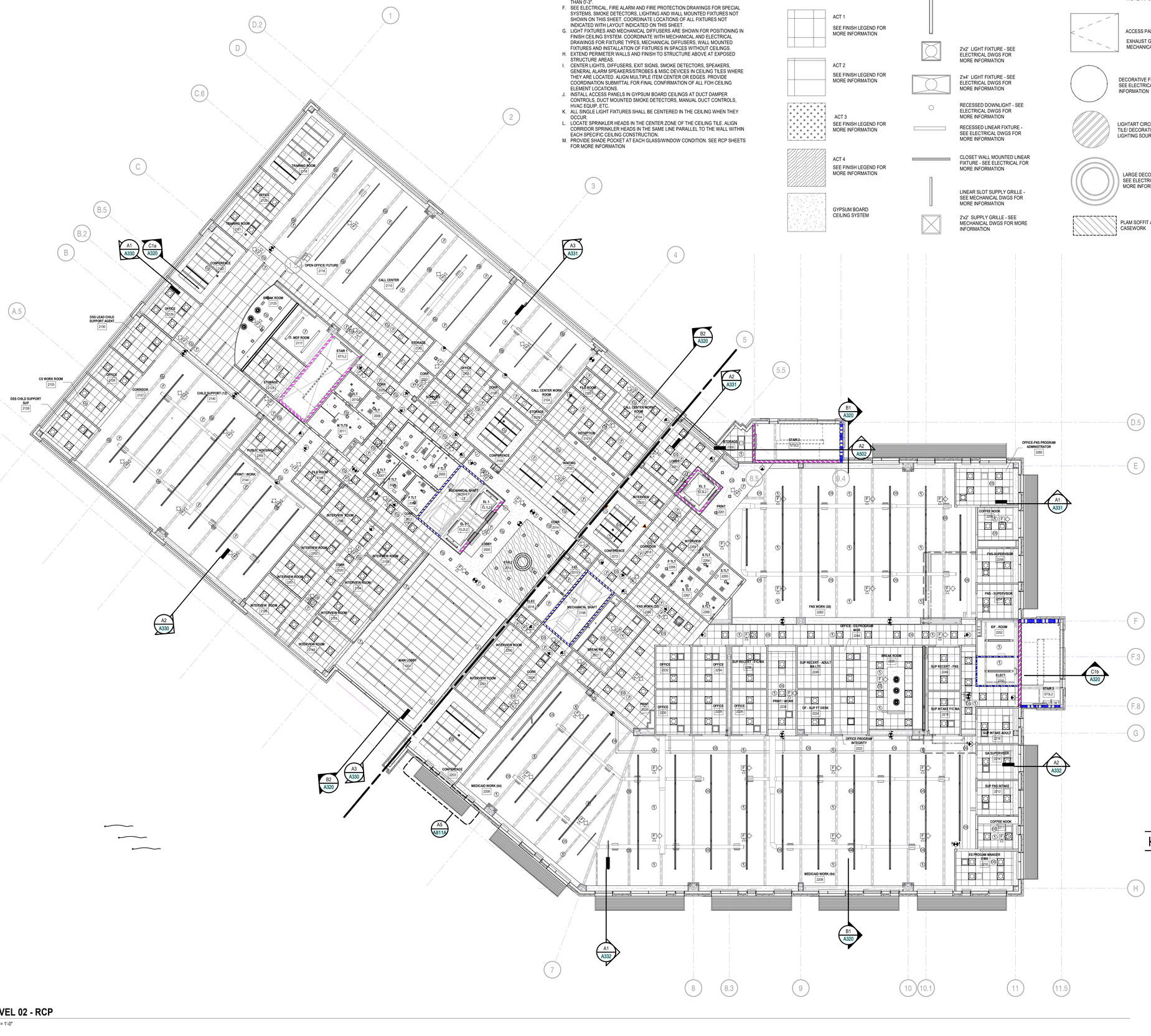
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE; THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT; WITH THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR DESTROYED ON DEMAND AT THE COMPLETION OF THE PROJECT; THEY ARE NOT TO BE LOANED, COPIED OR OTHERWISE DISPOSED OF WITHOUT PERMISSION; AND ARE NOT TO BE CHANGED BY ANYONE OTHER THAN THE ARCHITECT IN THE COURSE OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THIS PROJECT DOES NOT CONSTITUTE PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH ARCHITECTURE ALL RIGHTS RESERVED

GENERAL RCP NOTES

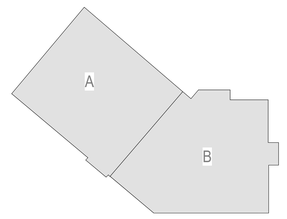
A. ALL CEILINGS TO BE 9'-0" AFF UNLESS NOTED OTHERWISE.
B. SEE FINISH LEGEND FOR CEILING MANUFACTURER INFORMATION.
C. PERIMETER TRACK FOR ALL ACOUSTICAL CEILINGS GRIDS TO BE INSTALLED IN ACCORDANCE WITH IBC AND CISCA GUIDELINES.
D. DIMENSIONS ARE TO FACE GYP. BOARD.
E. CEILING GRIDS/TILES TO BE INSTALLED TO ACCOMODATE LIGHTING LOCATION AS SHOWN ON PLAN. PARTIAL TILES AT ROOM PERIMETERS SHALL NOT BE LESS THAN 0'-3".
F. SEE ELECTRICAL, FIRE ALARM AND FIRE PROTECTION DRAWINGS FOR SPECIAL SYSTEMS, SMOKE DETECTORS, LIGHTING AND WALL MOUNTED FIXTURES NOT SHOWN ON THIS SHEET. COORDINATE LOCATIONS OF ALL FIXTURES NOT INDICATED WITH LAYOUT INDICATED ON THIS SHEET.
G. LIGHT FIXTURES AND MECHANICAL DIFFUSERS ARE SHOWN FOR POSITIONING IN FINISH CEILING SYSTEM. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR FIXTURE TYPES, MECHANICAL DIFFUSERS, WALL MOUNTED FIXTURES AND INSTALLATION OF FIXTURES IN SPACES WITHOUT CEILINGS.
H. EXTEND PERIMETER WALLS AND FINISH TO STRUCTURE ABOVE AT EXPOSED STRUCTURE AREAS.
I. CENTER LIGHTS, DIFFUSERS, EXIT SIGNS, SMOKE DETECTORS, SPEAKERS, GENERAL ALARM SPEAKERS/STROBES & MISC DEVICES IN CEILING TILES WHERE THEY ARE LOCATED. ALIGN MULTIPLE ITEM CENTER OR EDGES. PROVIDE COORDINATION SUBMITTAL FOR FINAL CONFIRMATION OF ALL FOH CEILING ELEMENT LOCATIONS.
J. INSTALL ACCESS PANELS IN GYPSUM BOARD CEILINGS AT DUCT DAMPER CONTROLS, DUCT MOUNTED SMOKE DETECTORS, MANUAL DUCT CONTROLS, HVAC EQUIP., ETC.
K. ALL SINGLE LIGHT FIXTURES SHALL BE CENTERED IN THE CEILING WHEN THEY OCCUR.
L. LOCATE SPRINKLER HEADS IN THE CENTER ZONE OF THE CEILING TILE. ALIGN CORRIDOR SPRINKLER HEADS IN THE SAME LINE PARALLEL TO THE WALL WITHIN EACH SPECIFIC CEILING CONSTRUCTION.
M. PROVIDE SHADE POCKET AT EACH GLASS/WINDOW CONDITION. SEE RCP SHEETS FOR MORE INFORMATION

RCP LEGEND

- EXIT SYMBOL TAG — LIGHTED WITH DIRECTIONAL ARROWS
- 10'-0" AFF — CEILING HEIGHT
- ACT 1 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 2 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 3 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 4 — SEE FINISH LEGEND FOR MORE INFORMATION
- GYPSUM BOARD CEILING SYSTEM
- SUSPENDED LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- 2'x2' LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- 2'x4' LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RECESSED DOWNLIGHT - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RECESSED LINEAR FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- CLOSET WALL MOUNTED LINEAR FIXTURE - SEE ELECTRICAL FOR MORE INFORMATION
- LINEAR SLOT SUPPLY GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- 2'x2' SUPPLY GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- 12" x 12" ACCESS PANEL
- EXHAUST- SEE MECHANICAL DWGS FOR MORE INFORMATION
- ACCESS PANEL — EXHAUST GRILLE - SEE MECHANICAL
- DECORATIVE FIXTURE SEE ELECTRICAL DWGS FOR MORE INFORMATION
- LIGHTART CIRCLE CEILING TILE/ DECORATIVE NOT A LIGHTING SOURCE
- LARGE DECORATIVE FIXTURE SEE ELECTRICAL DWGS FOR MORE INFORMATION
- PLAM SOFFIT AT CASEWORK
- 2'x2' RETURN GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- CURTAIN TRACK
- CUT TILE LOCATION; SEE RCP
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RS — SINGLE MANUAL ROLLER SHADE
- RS2 — DOUBLE MANUAL ROLLER SHADE



KEY PLAN



A1 / A220 — **LEVEL 02 - RCP**
3/32" = 1'-0"

PROJECT NORTH

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF SIGNING CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS A PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH ARCHITECTURE ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, PC — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED — SEAL 17168 — MARIE CONNOLLY

02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

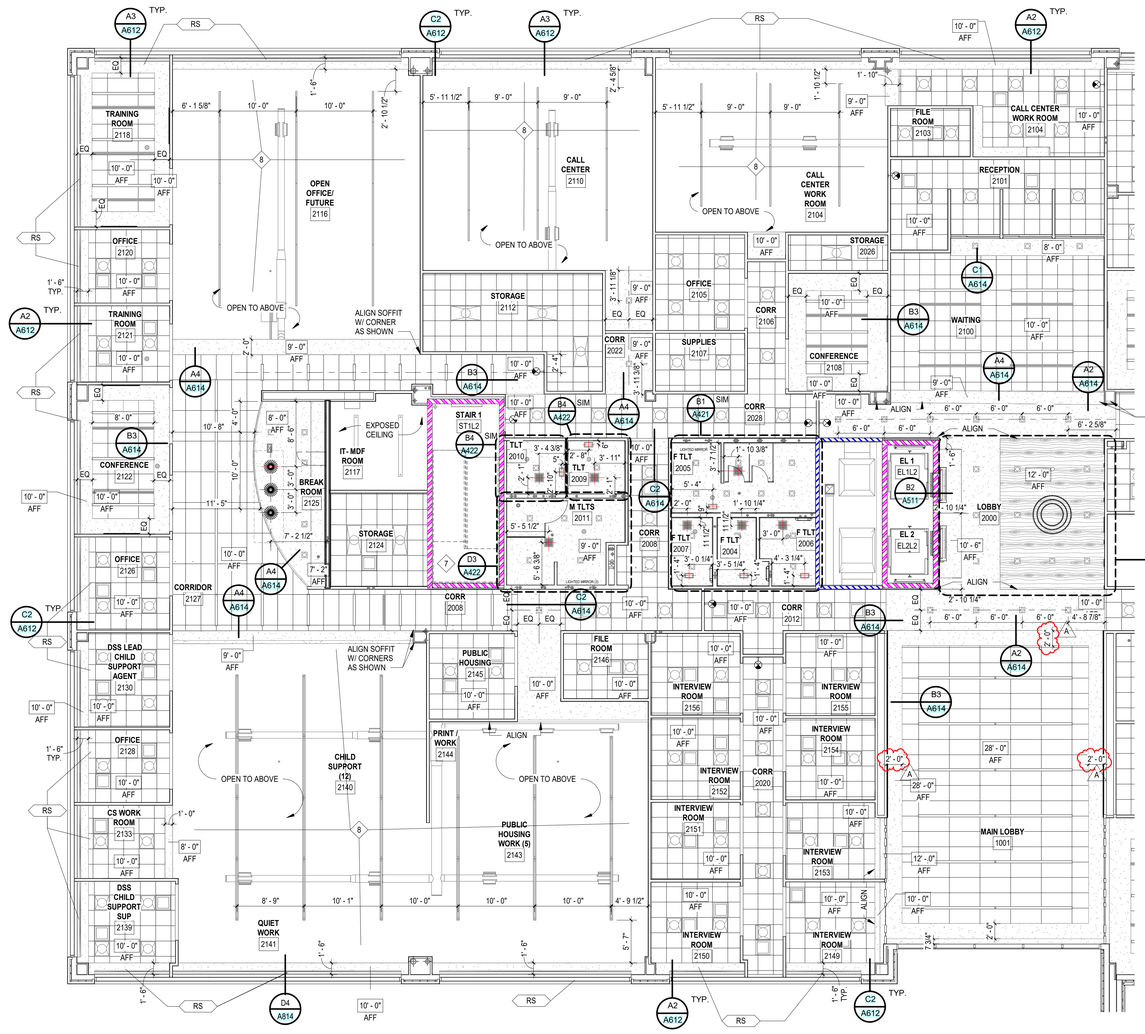
PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
LEVEL 2 OVERALL RCP

SHEET NO. A220

PROJ. NO. 024370.01

ARCHIVE 2.0.0.27 PM - Autodesk Docs://2025 05 Brunswick County Health & Human Services/2025_05 Brunswick County Health and Human Services_R25_v1.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF SIGNING CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ELECTRONIC FILES ERASED ON REQUEST AT THE COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THIS PROJECT DOES NOT CONSTITUTE PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH ARCHITECTURE
ALL RIGHTS RESERVED



A1 A221 **LEVEL 02 RCP - AREA A**

1/8" = 1'-0"

GENERAL RCP NOTES

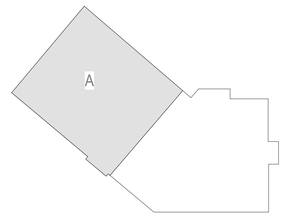
A. ALL CEILINGS TO BE 9'-0" AFF UNLESS NOTED OTHERWISE.
B. SEE FINISH LEGEND FOR CEILING MANUFACTURER INFORMATION.
C. PERIMETER TRACK FOR ALL ACOUSTICAL CEILINGS GRIDS TO BE INSTALLED IN ACCORDANCE WITH IBC AND CISCA GUIDELINES.
D. DIMENSIONS ARE TO FACE GYP. BOARD.
E. CEILING GRIDS/TILES TO BE INSTALLED TO ACCOMODATE LIGHTING LOCATION AS SHOWN ON PLAN. PARTIAL TILES AT ROOM PERIMETERS SHALL NOT BE LESS THAN 6"-3".
F. SEE ELECTRICAL, FIRE ALARM AND FIRE PROTECTION DRAWINGS FOR SPECIAL SYSTEMS, SMOKE DETECTORS, LIGHTING AND WALL MOUNTED FIXTURES NOT SHOWN ON THIS SHEET. COORDINATE LOCATIONS OF ALL FIXTURES NOT INDICATED WITH LAYOUT INDICATED ON THIS SHEET.
G. LIGHT FIXTURES AND MECHANICAL DIFFUSERS ARE SHOWN FOR POSITIONING IN FINISH CEILING SYSTEM. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR FIXTURE TYPES, MECHANICAL DIFFUSERS, WALL MOUNTED FIXTURES AND INSTALLATION OF FIXTURES IN SPACES WITHOUT CEILINGS.
H. EXTEND PERIMETER WALLS AND FINISH TO STRUCTURE ABOVE AT EXPOSED STRUCTURE AREAS.
I. CENTER LIGHTS, DIFFUSERS, EXIT SIGNS, SMOKE DETECTORS, SPEAKERS, GENERAL ALARM SPEAKERS/STROBES & MISC DEVICES IN CEILING TILES WHERE THEY ARE LOCATED. ALIGN MULTIPLE ITEM CENTER OR EDGES. PROVIDE COORDINATION SUBMITTAL FOR FINAL CONFIRMATION OF ALL FOH CEILING ELEMENT LOCATIONS.
J. INSTALL ACCESS PANELS IN GYPSUM BOARD CEILINGS AT DUCT DAMPER CONTROLS, DUCT MOUNTED SMOKE DETECTORS, MANUAL DUCT CONTROLS, HVAC EQUIP., ETC.
K. ALL SINGLE LIGHT FIXTURES SHALL BE CENTERED IN THE CEILING WHEN THEY OCCUR
L. LOCATE SPRINKLER HEADS IN THE CENTER ZONE OF THE CEILING TILE. ALIGN CORRIDOR SPRINKLER HEADS IN THE SAME LINE PARALLEL TO THE WALL WITHIN EACH SPECIFIC CEILING CONSTRUCTION.
M. PROVIDE SHADE POCKET AT EACH GLASS/WINDOW CONDITION. SEE RCP SHEETS FOR MORE INFORMATION

RCP LEGEND

- EXIT SYMBOL TAG — LIGHTED WITH DIRECTIONAL ARROWS
- 10'-0" AFF — CEILING HEIGHT
- ACT 1 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 2 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 3 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 4 — SEE FINISH LEGEND FOR MORE INFORMATION
- GYPSUM BOARD CEILING SYSTEM
- 12" x 12" ACCESS PANEL
- EXHAUST- SEE MECHANICAL DWGS FOR MORE INFORMATION
- ACCESS PANEL
- EXHAUST GRILLE - SEE MECHANICAL
- DECORATIVE FIXTURE SEE ELECTRICAL DWGS FOR MORE INFORMATION
- LIGHTART CIRCLE CEILING TILE/ DECORATIVE NOT A LIGHTING SOURCE
- LARGE DECORATIVE FIXTURE SEE ELECTRICAL DWGS FOR MORE INFORMATION
- PLAM SOFFIT AT CASEWORK
- SUSPENDED LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- 2'x2' LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- 2'x4' LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RECESSED DOWNLIGHT - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RECESSED LINEAR FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- CLOSET WALL MOUNTED LINEAR FIXTURE - SEE ELECTRICAL FOR MORE INFORMATION
- LINEAR SLOT SUPPLY GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- 2'x2' SUPPLY GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- 2'x2' RETURN GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- CURTAIN TRACK
- CUT TILE LOCATION; SEE RCP
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RS — SINGLE MANUAL ROLLER SHADE
- RS2 — DOUBLE MANUAL ROLLER SHADE

Sheet Series	Number	RCP KEYED NOTES
A200		PROVIDE DRYFALL
A200	1	SEE A612/A5 FOR TYPICAL CEILING CONDITION IN ROOMS ALONG THE EXTERIOR CURTAIN WALL
A200	2	SEE A612/A4 FOR TYPICAL CEILING/SHADE CONDITION IN LARGE MEETING ROOMS
A200	3	SMOKE GUARD FIRE CURTAIN SYSTEM
A200	4	COORDINATE SOFFITT HEIGHT WITH FINAL LOCKER SELECTION
A200	5	RECESSED PROJECTION SCREEN AND AUDIO VISUAL SYSTEM BY OTHERS
A200	6	LINE OF OPERABLE WALL TRACK
A200	7	PROVIDE DRYFALL
A200	8	PROVIDE SPRAY APPLIED K13 AND DRYFALL. SEE D1/A003 FOR MORE INFORMATION

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. — CERTIFIED ARCHITECTURAL CORPORATION — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17108 KATE MARIE CONNELLY 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/26	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:

LEVEL 2 RCP - AREA A

SHEET NO. A221

PROJ. NO. 024370.01

A222B01.DWT 2:57:24 PM Autodesk Docs://2025.01 @ Brunswick County Health & Human Services/MPS_Brunswick County Health and Human Services_R25_v1.rvt
DRAWINGS AND SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE DRAWINGS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE ON REQUEST AT THE COMPLETION OF THE PROJECT OR TERMINATION OF THE CONTRACT. THE SHARING OF DRAWINGS WITH CONTRACTORS AND SUBCONTRACTORS ESTABLISHED FOR THE PROJECT, BUT NOT LIMITED TO, SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS, OR PRINT OR OTHER GENERAL USE BY OWNER OR CONTRACTOR PERSONNEL, IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

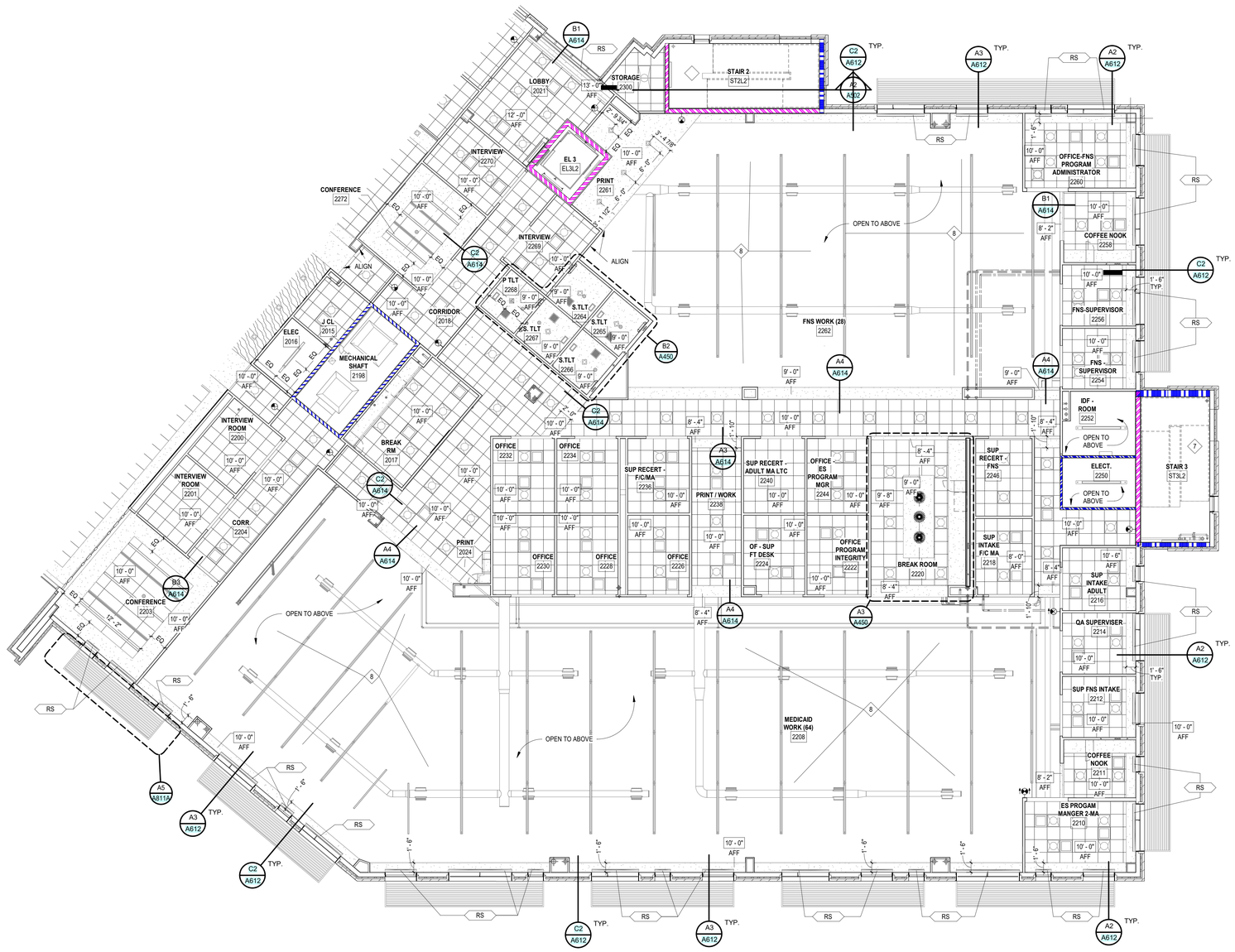
GENERAL RCP NOTES

A. ALL CEILINGS TO BE 9'-0" AFF UNLESS NOTED OTHERWISE.
B. SEE FINISH LEGEND FOR CEILING MANUFACTURER INFORMATION.
C. PERIMETER TRACK FOR ALL ACOUSTICAL CEILINGS GRIDS TO BE INSTALLED IN ACCORDANCE WITH IBC AND CISCA GUIDELINES.
D. DIMENSIONS ARE TO FACE GYP. BOARD.
E. CEILING GRIDS/TILES TO BE INSTALLED TO ACCOMODATE LIGHTING LOCATION AS SHOWN ON PLAN. PARTIAL TILES AT ROOM PERIMETERS SHALL NOT BE LESS THAN 6"-3".
F. SEE ELECTRICAL, FIRE ALARM AND FIRE PROTECTION DRAWINGS FOR SPECIAL SYSTEMS. SMOKE DETECTORS, LIGHTING AND WALL MOUNTED FIXTURES NOT SHOWN ON THIS SHEET. COORDINATE LOCATIONS OF ALL FIXTURES NOT INDICATED WITH LAYOUT INDICATED ON THIS SHEET.
G. LIGHT FIXTURES AND MECHANICAL DIFFUSERS ARE SHOWN FOR POSITIONING IN FINISH CEILING SYSTEM. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR FIXTURE TYPES, MECHANICAL DIFFUSERS, WALL MOUNTED FIXTURES AND INSTALLATION OF FIXTURES IN SPACES WITHOUT CEILINGS.
H. EXTEND PERIMETER WALLS AND FINISH TO STRUCTURE ABOVE AT EXPOSED STRUCTURE AREAS.
I. CENTER LIGHTS, DIFFUSERS, EXIT SIGNS, SMOKE DETECTORS, SPEAKERS, GENERAL ALARM SPEAKERS/STROBES & MISC DEVICES IN CEILING TILES WHERE THEY ARE LOCATED. ALIGN MULTIPLE ITEM CENTER OR EDGES. PROVIDE COORDINATION SUBMITTAL FOR FINAL CONFIRMATION OF ALL FOH CEILING ELEMENT LOCATIONS.
J. INSTALL ACCESS PANELS IN GYPSUM BOARD CEILINGS AT DUCT DAMPER CONTROLS, DUCT MOUNTED SMOKE DETECTORS, MANUAL DUCT CONTROLS, HVAC EQUIP., ETC.
K. ALL SINGLE LIGHT FIXTURES SHALL BE CENTERED IN THE CEILING WHEN THEY OCCUR
L. LOCATE SPRINKLER HEADS IN THE CENTER ZONE OF THE CEILING TILE. ALIGN CORRIDOR SPRINKLER HEADS IN THE SAME LINE PARALLEL TO THE WALL WITHIN EACH SPECIFIC CEILING CONSTRUCTION.
M. PROVIDE SHADE POCKET AT EACH GLASS/WINDOW CONDITION. SEE RCP SHEETS FOR MORE INFORMATION

RCP LEGEND

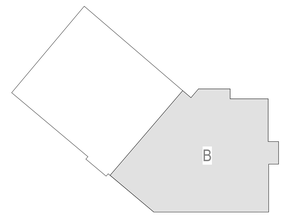
- EXIT SYMBOL TAG — LIGHTED WITH DIRECTIONAL ARROWS
- 10'-0" AFF — CEILING HEIGHT
- ACT 1 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 2 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 3 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 4 — SEE FINISH LEGEND FOR MORE INFORMATION
- GYPSUM BOARD CEILING SYSTEM
- 12" x 12" ACCESS PANEL
- EXHAUST- SEE MECHANICAL DWGS FOR MORE INFORMATION
- ACCESS PANEL
- EXHAUST GRILLE - SEE MECHANICAL
- DECORATIVE FIXTURE SEE ELECTRICAL DWGS FOR MORE INFORMATION
- LIGHTART CIRCLE CEILING TILE/ DECORATIVE NOT A LIGHTING SOURCE
- LARGE DECORATIVE FIXTURE SEE ELECTRICAL DWGS FOR MORE INFORMATION
- PLAM SOFFIT AT CASEWORK
- SUSPENDED LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- 2'x2' LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- 2'x4' LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RECESSED DOWNLIGHT - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RECESSED LINEAR FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- CLOSET WALL MOUNTED LINEAR FIXTURE - SEE ELECTRICAL FOR MORE INFORMATION
- LINEAR SLOT SUPPLY GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- 2'x2' SUPPLY GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- 2'x2' RETURN GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- CURTAIN TRACK
- CUT TILE LOCATION; SEE RCP
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RS — SINGLE MANUAL ROLLER SHADE
- RS2 — DOUBLE MANUAL ROLLER SHADE

Sheet Series	Number	RCP KEYED NOTES
A200		PROVIDE DRYFALL
A200	1	SEE A612/A5 FOR TYPICAL CEILING CONDITION IN ROOMS ALONG THE EXTERIOR CURTAIN WALL
A200	2	SEE A612/A4 FOR TYPICAL CEILING/SHADE CONDITION IN LARGE MEETING ROOMS
A200	3	SMOKE GUARD FIRE CURTAIN SYSTEM
A200	4	COORDINATE SOFFITT HEIGHT WITH FINAL LOCKER SELECTION
A200	5	RECESSED PROJECTION SCREEN AND AUDIO VISUAL SYSTEM BY OTHERS
A200	6	LINE OF OPERABLE WALL TRACK
A200	7	PROVIDE DRYFALL
A200	8	PROVIDE SPRAY APPLIED K13 AND DRYFALL. SEE D1/A003 FOR MORE INFORMATION



A1 / A222 **LEVEL 02 RCP - AREA B**
1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, PC — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17168 — MARIE CONNOR — 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
LEVEL 2 RCP - AREA B

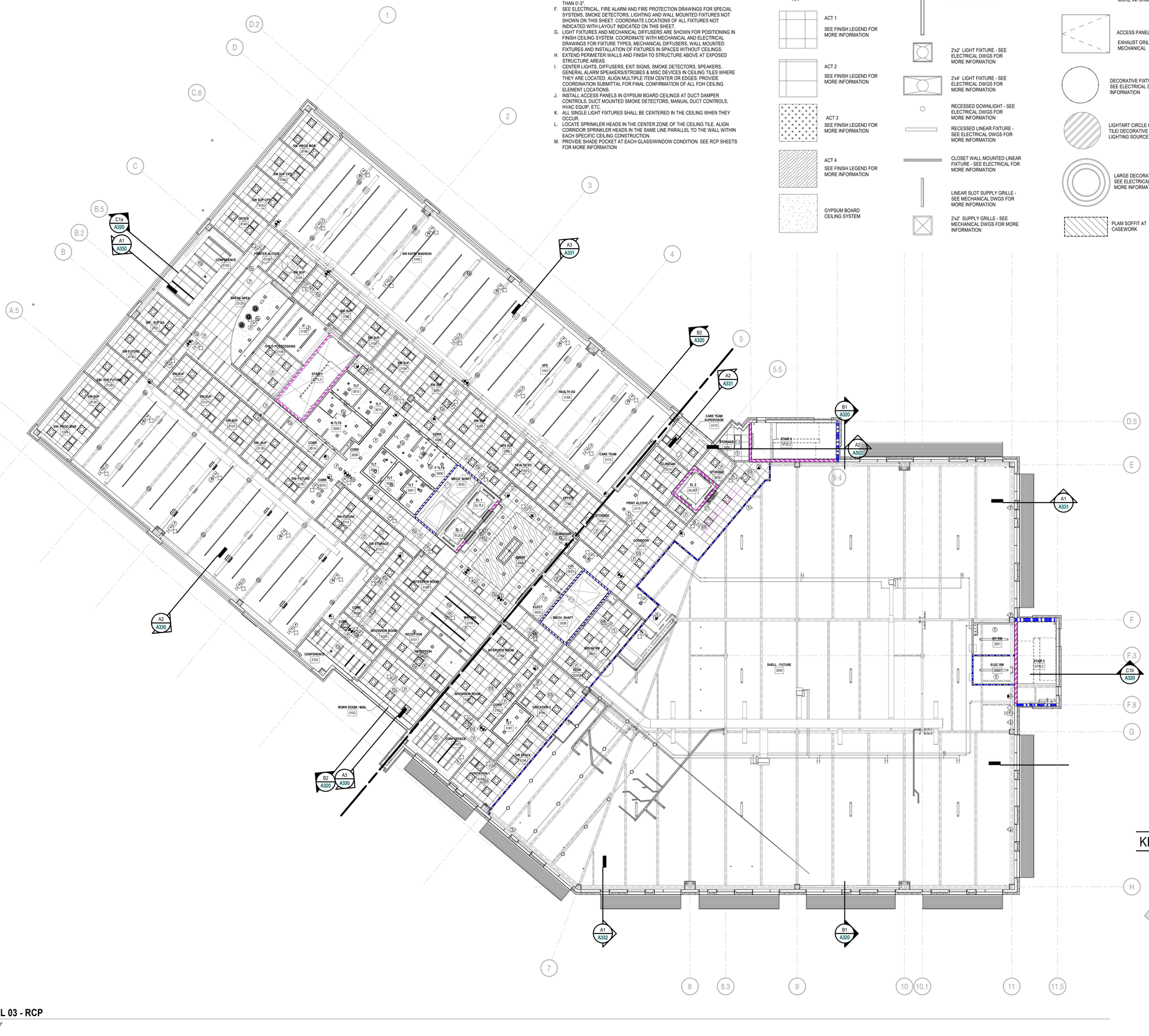
SHEET NO. A222
PROJ. NO. 024370.01

GENERAL RCP NOTES

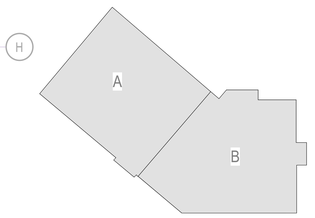
A. ALL CEILINGS TO BE 9'-0" AFF UNLESS NOTED OTHERWISE.
B. SEE FINISH LEGEND FOR CEILING MANUFACTURER INFORMATION.
C. PERIMETER TRACK FOR ALL ACOUSTICAL CEILINGS GRIDS TO BE INSTALLED IN ACCORDANCE WITH IBC AND CISCA GUIDELINES.
D. DIMENSIONS ARE TO FACE GYP. BOARD.
E. CEILING GRIDS/TILES TO BE INSTALLED TO ACCOMODATE LIGHTING LOCATION AS SHOWN ON PLAN. PARTIAL TILES AT ROOM PERIMETERS SHALL NOT BE LESS THAN 0'-3".
F. SEE ELECTRICAL, FIRE ALARM AND FIRE PROTECTION DRAWINGS FOR SPECIAL SYSTEMS, SMOKE DETECTORS, LIGHTING AND WALL MOUNTED FIXTURES NOT SHOWN ON THIS SHEET. COORDINATE LOCATIONS OF ALL FIXTURES NOT INDICATED WITH LAYOUT INDICATED ON THIS SHEET
G. LIGHT FIXTURES AND MECHANICAL DIFFUSERS ARE SHOWN FOR POSITIONING IN FINISH CEILING SYSTEM. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR FIXTURE TYPES, MECHANICAL DIFFUSERS, WALL MOUNTED FIXTURES AND INSTALLATION OF FIXTURES IN SPACES WITHOUT CEILINGS.
H. EXTEND PERIMETER WALLS AND FINISH TO STRUCTURE ABOVE AT EXPOSED STRUCTURE AREAS.
I. CENTER LIGHTS, DIFFUSERS, EXIT SIGNS, SMOKE DETECTORS, SPEAKERS, GENERAL ALARM SPEAKERS/STROBES & MISC DEVICES IN CEILING TILES WHERE THEY ARE LOCATED. ALIGN MULTIPLE ITEM CENTER OR EDGES. PROVIDE COORDINATION SUBMITTAL FOR FINAL CONFIRMATION OF ALL FOH CEILING ELEMENT LOCATIONS.
J. INSTALL ACCESS PANELS IN GYPSUM BOARD CEILINGS AT DUCT DAMPER CONTROLS. DUCT MOUNTED SMOKE DETECTORS, MANUAL DUCT CONTROLS, HVAC EQUIP., ETC.
K. ALL SINGLE LIGHT FIXTURES SHALL BE CENTERED IN THE CEILING WHEN THEY OCCUR.
L. LOCATE SPRINKLER HEADS IN THE CENTER ZONE OF THE CEILING TILE. ALIGN CORRIDOR SPRINKLER HEADS IN THE SAME LINE PARALLEL TO THE WALL WITHIN EACH SPECIFIC CEILING CONSTRUCTION.
M. PROVIDE SHADE POCKET AT EACH GLASS/WINDOW CONDITION. SEE RCP SHEETS FOR MORE INFORMATION

RCP LEGEND

- EXIT SYMBOL TAG — LIGHTED WITH DIRECTIONAL ARROWS
- 10'-0" AFF — CEILING HEIGHT
- ACT 1 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 2 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 3 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 4 — SEE FINISH LEGEND FOR MORE INFORMATION
- GYPSUM BOARD CEILING SYSTEM
- SUSPENDED LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- 2'x2' LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- 2'x4' LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RECESSED DOWNLIGHT - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RECESSED LINEAR FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- CLOSET WALL MOUNTED LINEAR FIXTURE - SEE ELECTRICAL FOR MORE INFORMATION
- LINEAR SLOT SUPPLY GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- 2'x2' SUPPLY GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- 12" x 12" ACCESS PANEL
- EXHAUST- SEE MECHANICAL DWGS FOR MORE INFORMATION
- ACCESS PANEL — EXHAUST GRILLE - SEE MECHANICAL
- DECORATIVE FIXTURE SEE ELECTRICAL DWGS FOR MORE INFORMATION
- LIGHTART CIRCLE CEILING TILE/ DECORATIVE NOT A LIGHTING SOURCE
- LARGE DECORATIVE FIXTURE SEE ELECTRICAL DWGS FOR MORE INFORMATION
- PLAM SOFFIT AT CASEWORK
- 2'x2' RETURN GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- CURTAIN TRACK
- CUT TILE LOCATION; SEE RCP
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RS — SINGLE MANUAL ROLLER SHADE
- RS2 — DOUBLE MANUAL ROLLER SHADE



KEY PLAN



PROJECT NORTH

A1 / A230 **LEVEL 03 - RCP**
3/32" = 1'-0"

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLE ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS A PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. — CERT. NO. 54314 — REGISTERED ARCHITECTURAL CORPORATION — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED — SEAL 17168 — MARIE CONSTANCE LEMMON — 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

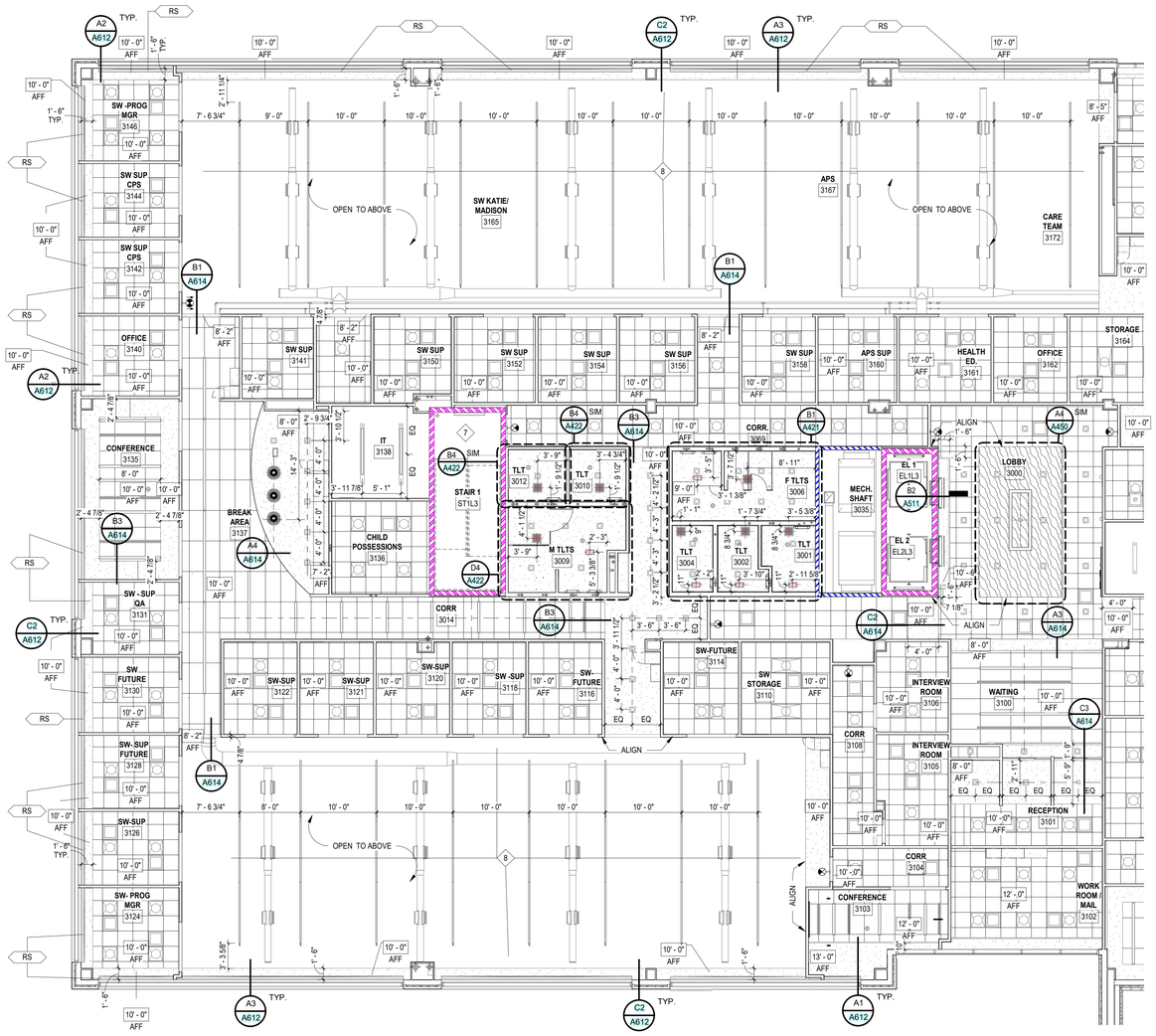
PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
LEVEL 3 OVERALL RCP

SHEET NO. A230

PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THEY ARE NOT TO BE USED ON ANY OTHER PROJECT AND WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR STORED, ACCORDING TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED



A1 A231 **LEVEL 03 RCP - AREA A**

1/8" = 1'-0"

GENERAL RCP NOTES

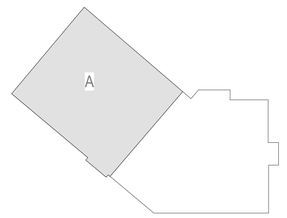
A. ALL CEILINGS TO BE 9'-0" AFF UNLESS NOTED OTHERWISE.
B. SEE FINISH LEGEND FOR CEILING MANUFACTURER INFORMATION.
C. PERIMETER TRACK FOR ALL ACOUSTICAL CEILINGS GRIDS TO BE INSTALLED IN ACCORDANCE WITH IBC AND CISCA GUIDELINES.
D. DIMENSIONS ARE TO FACE GYP. BOARD.
E. CEILING GRIDS/TILES TO BE INSTALLED TO ACCOMODATE LIGHTING LOCATION AS SHOWN ON PLAN. PARTIAL TILES AT ROOM PERIMETERS SHALL NOT BE LESS THAN 0'-3".
F. SEE ELECTRICAL, FIRE ALARM AND FIRE PROTECTION DRAWINGS FOR SPECIAL SYSTEMS. SMOKE DETECTORS, LIGHTING AND WALL MOUNTED FIXTURES NOT SHOWN ON THIS SHEET. COORDINATE LOCATIONS OF ALL FIXTURES NOT INDICATED WITH LAYOUT INDICATED ON THIS SHEET.
G. LIGHT FIXTURES AND MECHANICAL DIFFUSERS ARE SHOWN FOR POSITIONING IN FINISH CEILING SYSTEM. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR FIXTURE TYPES, MECHANICAL DIFFUSERS, WALL MOUNTED FIXTURES AND INSTALLATION OF FIXTURES IN SPACES WITHOUT CEILINGS.
H. EXTEND PERIMETER WALLS AND FINISH TO STRUCTURE ABOVE AT EXPOSED STRUCTURE AREAS.
I. CENTER LIGHTS, DIFFUSERS, EXIT SIGNS, SMOKE DETECTORS, SPEAKERS, GENERAL ALARM SPEAKERS/STROBES & MISC DEVICES IN CEILING TILES WHERE THEY ARE LOCATED. ALIGN MULTIPLE ITEM CENTER OR EDGES. PROVIDE COORDINATION SUBMITTAL FOR FINAL CONFIRMATION OF ALL FOH CEILING ELEMENT LOCATIONS.
J. INSTALL ACCESS PANELS IN GYPSUM BOARD CEILINGS AT DUCT DAMPER CONTROLS, DUCT MOUNTED SMOKE DETECTORS, MANUAL DUCT CONTROLS, HVAC EQUIP., ETC.
K. ALL SINGLE LIGHT FIXTURES SHALL BE CENTERED IN THE CEILING WHEN THEY OCCUR
L. LOCATE SPRINKLER HEADS IN THE CENTER ZONE OF THE CEILING TILE. ALIGN CORRIDOR SPRINKLER HEADS IN THE SAME LINE PARALLEL TO THE WALL WITHIN EACH SPECIFIC CEILING CONSTRUCTION.
M. PROVIDE SHADE POCKET AT EACH GLASS/WINDOW CONDITION. SEE RCP SHEETS FOR MORE INFORMATION

RCP LEGEND

- EXIT SYMBOL TAG — LIGHTED WITH DIRECTIONAL ARROWS
- 10'-0" AFF — CEILING HEIGHT
- ACT 1 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 2 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 3 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 4 — SEE FINISH LEGEND FOR MORE INFORMATION
- GYPSUM BOARD CEILING SYSTEM
- 12" x 12" ACCESS PANEL
- EXHAUST- SEE MECHANICAL DWGS FOR MORE INFORMATION
- ACCESS PANEL / EXHAUST GRILLE - SEE MECHANICAL
- DECORATIVE FIXTURE SEE ELECTRICAL DWGS FOR MORE INFORMATION
- LIGHTART CIRCLE CEILING TILE/ DECORATIVE NOT A LIGHTING SOURCE
- LARGE DECORATIVE FIXTURE SEE ELECTRICAL DWGS FOR MORE INFORMATION
- PLAM SOFFIT AT CASEWORK
- SUSPENDED LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- 2'x2' LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- 2'x4' LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RECESSED DOWNLIGHT - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RECESSED LINEAR FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- CLOSET WALL MOUNTED LINEAR FIXTURE - SEE ELECTRICAL FOR MORE INFORMATION
- LINEAR SLOT SUPPLY GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- 2'x2' SUPPLY GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- 2'x2' RETURN GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- CURTAIN TRACK
- CUT TILE LOCATION; SEE RCP
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RS — SINGLE MANUAL ROLLER SHADE
- RS2 — DOUBLE MANUAL ROLLER SHADE

Sheet Series	Number	RCP KEYED NOTES
A200		PROVIDE DRYFALL
A200	1	SEE A612/A5 FOR TYPICAL CEILING CONDITION IN ROOMS ALONG THE EXTERIOR CURTAIN WALL
A200	2	SEE A612/A4 FOR TYPICAL CEILING/SHADE CONDITION IN LARGE MEETING ROOMS
A200	3	SMOKE GUARD FIRE CURTAIN SYSTEM
A200	4	COORDINATE SOFFITT HEIGHT WITH FINAL LOCKER SELECTION
A200	5	RECESSED PROJECTION SCREEN AND AUDIO VISUAL SYSTEM BY OTHERS
A200	6	LINE OF OPERABLE WALL TRACK
A200	7	PROVIDE DRYFALL
A200	8	PROVIDE SPRAY APPLIED K13 AND DRYFALL. SEE D1/A003 FOR MORE INFORMATION

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, PC — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED — SEAL 17168 — LEE MARIE CONNOLLY — 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

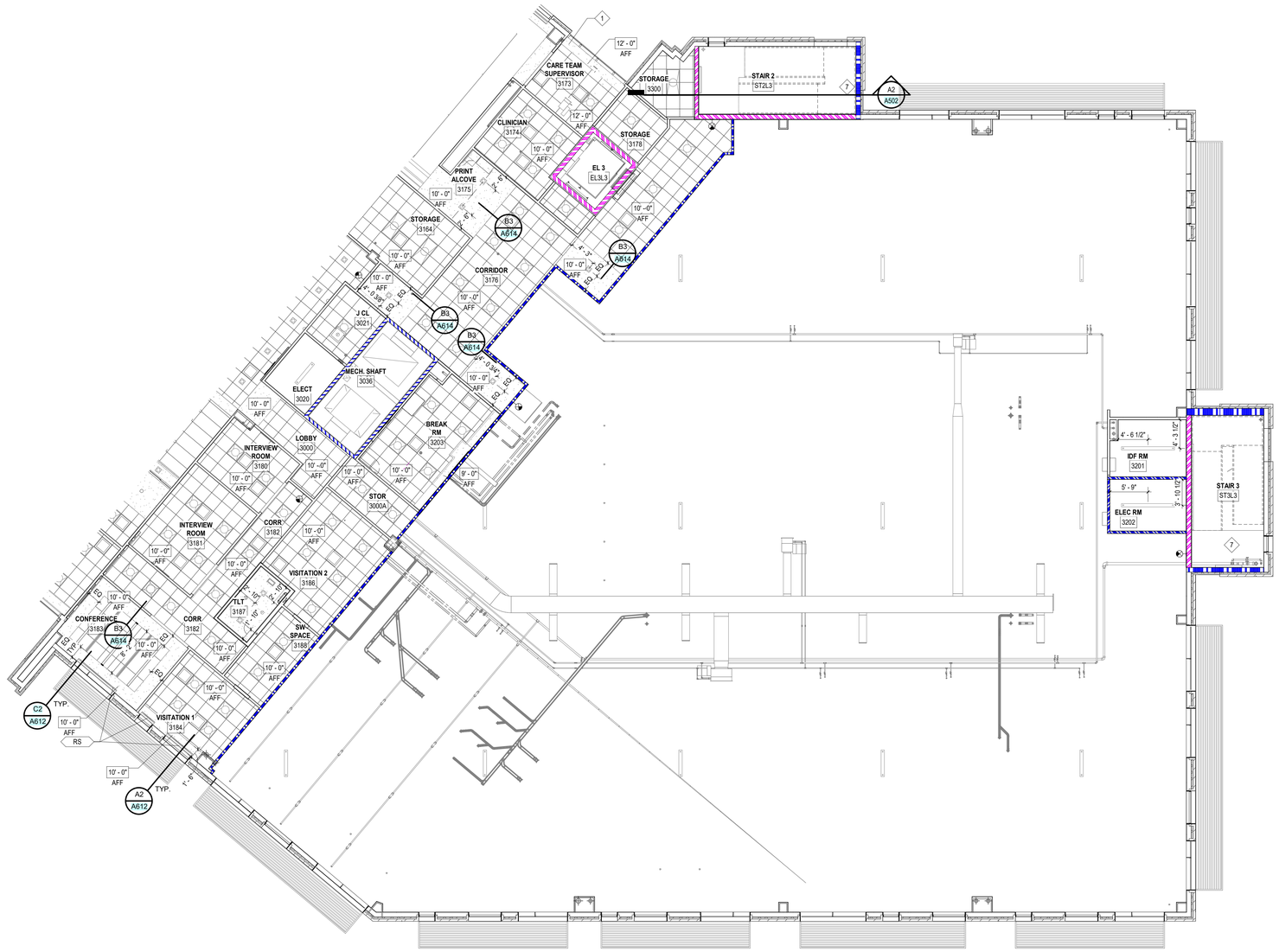
SHEET TITLE:

LEVEL 3 RCP - AREA A

SHEET NO. A231

PROJ. NO. 024370.01

5/2/2025 12:58:48 PM Autodesk Docs://2025-05 Brunswick County Health & Human Services/2025-05_Brunswick County Health and Human Services_R25_v1.rvt
ALL DRAWINGS, SPECIFICATIONS AND CONCEPTS THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF LONG CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED ON REQUEST. ALL REPRODUCTIONS, COPIES OR ADAPTATIONS MADE IN ACCORDANCE WITH THE FOREGOING RESTRICTIONS MUST BEAR A COPYRIGHT NOTICE IN THE FORM PRESCRIBED BY 17 U.S.C. 401 AND 402. ANY DISTRIBUTION OF THESE MATERIALS OUTSIDE OF THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED



GENERAL RCP NOTES

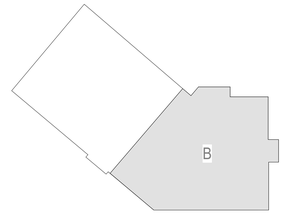
A. ALL CEILINGS TO BE 9'-0" AFF UNLESS NOTED OTHERWISE.
B. SEE FINISH LEGEND FOR CEILING MANUFACTURER INFORMATION.
C. PERIMETER TRACK FOR ALL ACOUSTICAL CEILINGS GRIDS TO BE INSTALLED IN ACCORDANCE WITH IBC AND CISCA GUIDELINES.
D. DIMENSIONS ARE TO FACE GYP. BOARD.
E. CEILING GRIDS/TILES TO BE INSTALLED TO ACCOMODATE LIGHTING LOCATION AS SHOWN ON PLAN. PARTIAL TILES AT ROOM PERIMETERS SHALL NOT BE LESS THAN 0'-3".
F. SEE ELECTRICAL, FIRE ALARM AND FIRE PROTECTION DRAWINGS FOR SPECIAL SYSTEMS. SMOKE DETECTORS, LIGHTING AND WALL MOUNTED FIXTURES NOT SHOWN ON THIS SHEET. COORDINATE LOCATIONS OF ALL FIXTURES NOT INDICATED WITH LAYOUT INDICATED ON THIS SHEET.
G. LIGHT FIXTURES AND MECHANICAL DIFFUSERS ARE SHOWN FOR POSITIONING IN FINISH CEILING SYSTEM. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR FIXTURE TYPES, MECHANICAL DIFFUSERS, WALL MOUNTED FIXTURES AND INSTALLATION OF FIXTURES IN SPACES WITHOUT CEILINGS.
H. EXTEND PERIMETER WALLS AND FINISH TO STRUCTURE ABOVE AT EXPOSED STRUCTURE AREAS.
I. CENTER LIGHTS, DIFFUSERS, EXIT SIGNS, SMOKE DETECTORS, SPEAKERS, GENERAL ALARM SPEAKERS/STROBES & MISC DEVICES IN CEILING TILES WHERE THEY ARE LOCATED. ALIGN MULTIPLE ITEM CENTER OR EDGES. PROVIDE COORDINATION SUBMITTAL FOR FINAL CONFIRMATION OF ALL FOH CEILING ELEMENT LOCATIONS.
J. INSTALL ACCESS PANELS IN GYPSUM BOARD CEILINGS AT DUCT DAMPER CONTROLS, DUCT MOUNTED SMOKE DETECTORS, MANUAL DUCT CONTROLS, HVAC EQUIP., ETC.
K. ALL SINGLE LIGHT FIXTURES SHALL BE CENTERED IN THE CEILING WHEN THEY OCCUR
L. LOCATE SPRINKLER HEADS IN THE CENTER ZONE OF THE CEILING TILE. ALIGN CORRIDOR SPRINKLER HEADS IN THE SAME LINE PARALLEL TO THE WALL WITHIN EACH SPECIFIC CEILING CONSTRUCTION.
M. PROVIDE SHADE POCKET AT EACH GLASS/WINDOW CONDITION. SEE RCP SHEETS FOR MORE INFORMATION

RCP LEGEND

- EXIT SYMBOL TAG — LIGHTED WITH DIRECTIONAL ARROWS
- 10'-0" AFF — CEILING HEIGHT
- ACT 1 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 2 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 3 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 4 — SEE FINISH LEGEND FOR MORE INFORMATION
- GYPSUM BOARD CEILING SYSTEM
- 12" x 12" ACCESS PANEL
- EXHAUST- SEE MECHANICAL DWGS FOR MORE INFORMATION
- ACCESS PANEL
- EXHAUST GRILLE - SEE MECHANICAL
- DECORATIVE FIXTURE SEE ELECTRICAL DWGS FOR MORE INFORMATION
- LIGHTART CIRCLE CEILING TILE/ DECORATIVE NOT A LIGHTING SOURCE
- LARGE DECORATIVE FIXTURE SEE ELECTRICAL DWGS FOR MORE INFORMATION
- PLAM SOFFIT AT CASEWORK
- SUSPENDED LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- 2'x2' LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- 2'x4' LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RECESSED DOWNLIGHT - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RECESSED LINEAR FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- CLOSET WALL MOUNTED LINEAR FIXTURE - SEE ELECTRICAL FOR MORE INFORMATION
- LINEAR SLOT SUPPLY GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- 2'x2' SUPPLY GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- 2'x2' RETURN GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- CURTAIN TRACK
- CUT TILE LOCATION; SEE RCP
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RS — SINGLE MANUAL ROLLER SHADE
- RS2 — DOUBLE MANUAL ROLLER SHADE

Sheet Series	Number	RCP KEYED NOTES
A200		PROVIDE DRYFALL
A200	1	SEE A612/A5 FOR TYPICAL CEILING CONDITION IN ROOMS ALONG THE EXTERIOR CURTAIN WALL
A200	2	SEE A612/A4 FOR TYPICAL CEILING/SHADE CONDITION IN LARGE MEETING ROOMS
A200	3	SMOKE GUARD FIRE CURTAIN SYSTEM
A200	4	COORDINATE SOFFITT HEIGHT WITH FINAL LOCKER SELECTION
A200	5	RECESSED PROJECTION SCREEN AND AUDIO VISUAL SYSTEM BY OTHERS
A200	6	LINE OF OPERABLE WALL TRACK
A200	7	PROVIDE DRYFALL
A200	8	PROVIDE SPRAY APPLIED K13 AND DRYFALL. SEE D1/A003 FOR MORE INFORMATION

KEY PLAN



PROJECT NORTH

A1 / A232 **LEVEL 03 RCP - AREA B**
1/8" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, PC — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED — SEAL 17168 — LEMARIE CORNELIUS — 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
LEVEL 3 RCP - AREA B

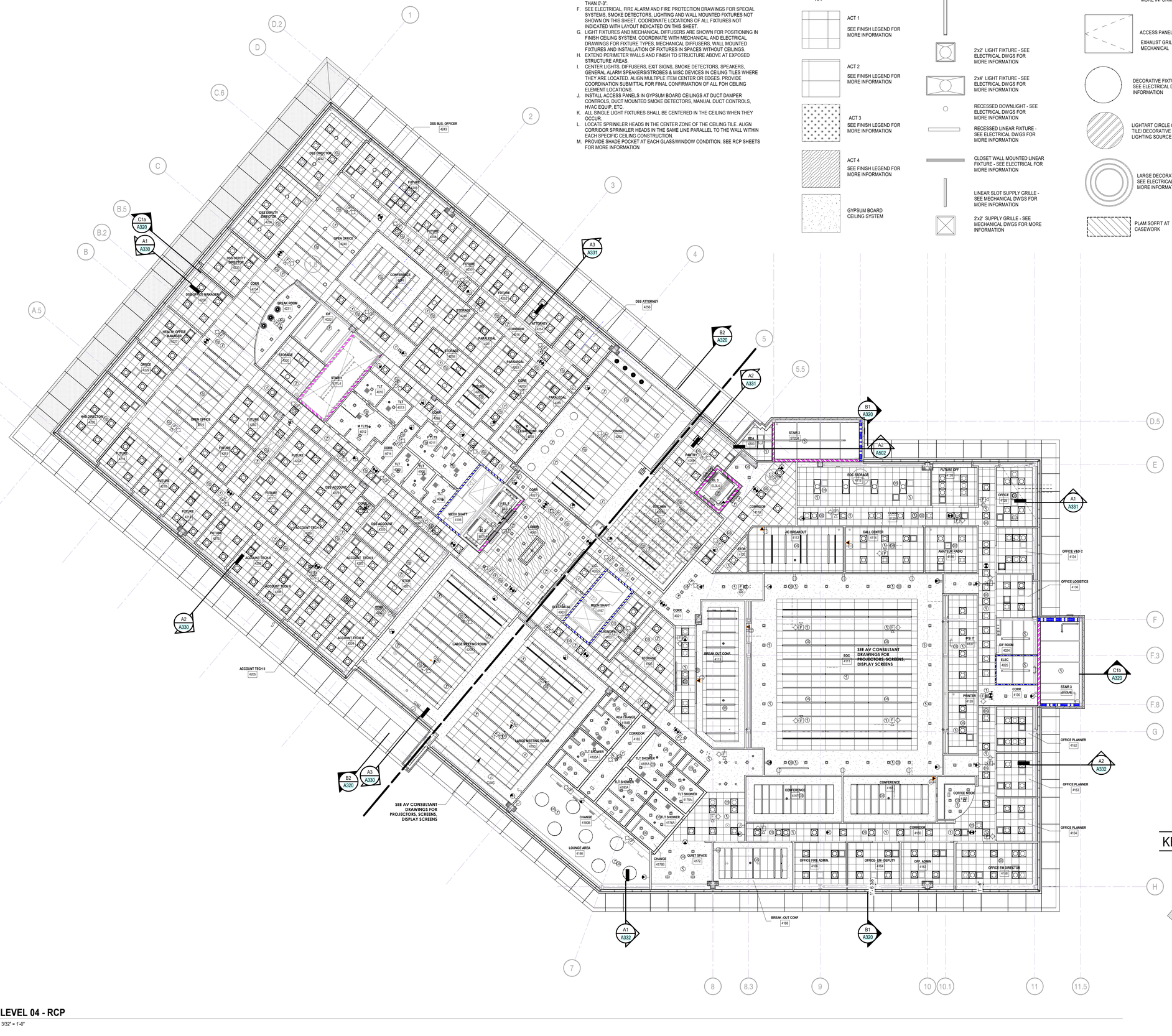
SHEET NO. A232
PROJ. NO. 024370.01

GENERAL RCP NOTES

A. ALL CEILINGS TO BE 9'-0" AFF UNLESS NOTED OTHERWISE.
B. SEE FINISH LEGEND FOR CEILING MANUFACTURER INFORMATION.
C. PERIMETER TRACK FOR ALL ACOUSTICAL CEILINGS GRIDS TO BE INSTALLED IN ACCORDANCE WITH IBC AND CISCA GUIDELINES.
D. DIMENSIONS ARE TO FACE GYP. BOARD.
E. CEILING GRIDS/TILES TO BE INSTALLED TO ACCOMODATE LIGHTING LOCATION AS SHOWN ON PLAN. PARTIAL TILES AT ROOM PERIMETERS SHALL NOT BE LESS THAN 0'-3".
F. SEE ELECTRICAL, FIRE ALARM AND FIRE PROTECTION DRAWINGS FOR SPECIAL SYSTEMS, SMOKE DETECTORS, LIGHTING AND WALL MOUNTED FIXTURES NOT SHOWN ON THIS SHEET. COORDINATE LOCATIONS OF ALL FIXTURES NOT INDICATED WITH LAYOUT INDICATED ON THIS SHEET
G. LIGHT FIXTURES AND MECHANICAL DIFFUSERS ARE SHOWN FOR POSITIONING IN FINISH CEILING SYSTEM. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR FIXTURE TYPES, MECHANICAL DIFFUSERS, WALL MOUNTED FIXTURES AND INSTALLATION OF FIXTURES IN SPACES WITHOUT CEILINGS.
H. EXTEND PERIMETER WALLS AND FINISH TO STRUCTURE ABOVE AT EXPOSED STRUCTURE AREAS.
I. CENTER LIGHTS, DIFFUSERS, EXIT SIGNS, SMOKE DETECTORS, SPEAKERS, GENERAL ALARM SPEAKERS/STROBES & MISC DEVICES IN CEILING TILES WHERE THEY ARE LOCATED. ALIGN MULTIPLE ITEM CENTER OR EDGES. PROVIDE COORDINATION SUBMITTAL FOR FINAL CONFIRMATION OF ALL FOH CEILING ELEMENT LOCATIONS.
J. INSTALL ACCESS PANELS IN GYPSUM BOARD CEILINGS AT DUCT DAMPER CONTROLS. DUCT MOUNTED SMOKE DETECTORS, MANUAL DUCT CONTROLS, HVAC EQUIP., ETC.
K. ALL SINGLE LIGHT FIXTURES SHALL BE CENTERED IN THE CEILING WHEN THEY OCCUR.
L. LOCATE SPRINKLER HEADS IN THE CENTER ZONE OF THE CEILING TILE. ALIGN CORRIDOR SPRINKLER HEADS IN THE SAME LINE PARALLEL TO THE WALL WITHIN EACH SPECIFIC CEILING CONSTRUCTION.
M. PROVIDE SHADE POCKET AT EACH GLASS/WINDOW CONDITION. SEE RCP SHEETS FOR MORE INFORMATION

RCP LEGEND

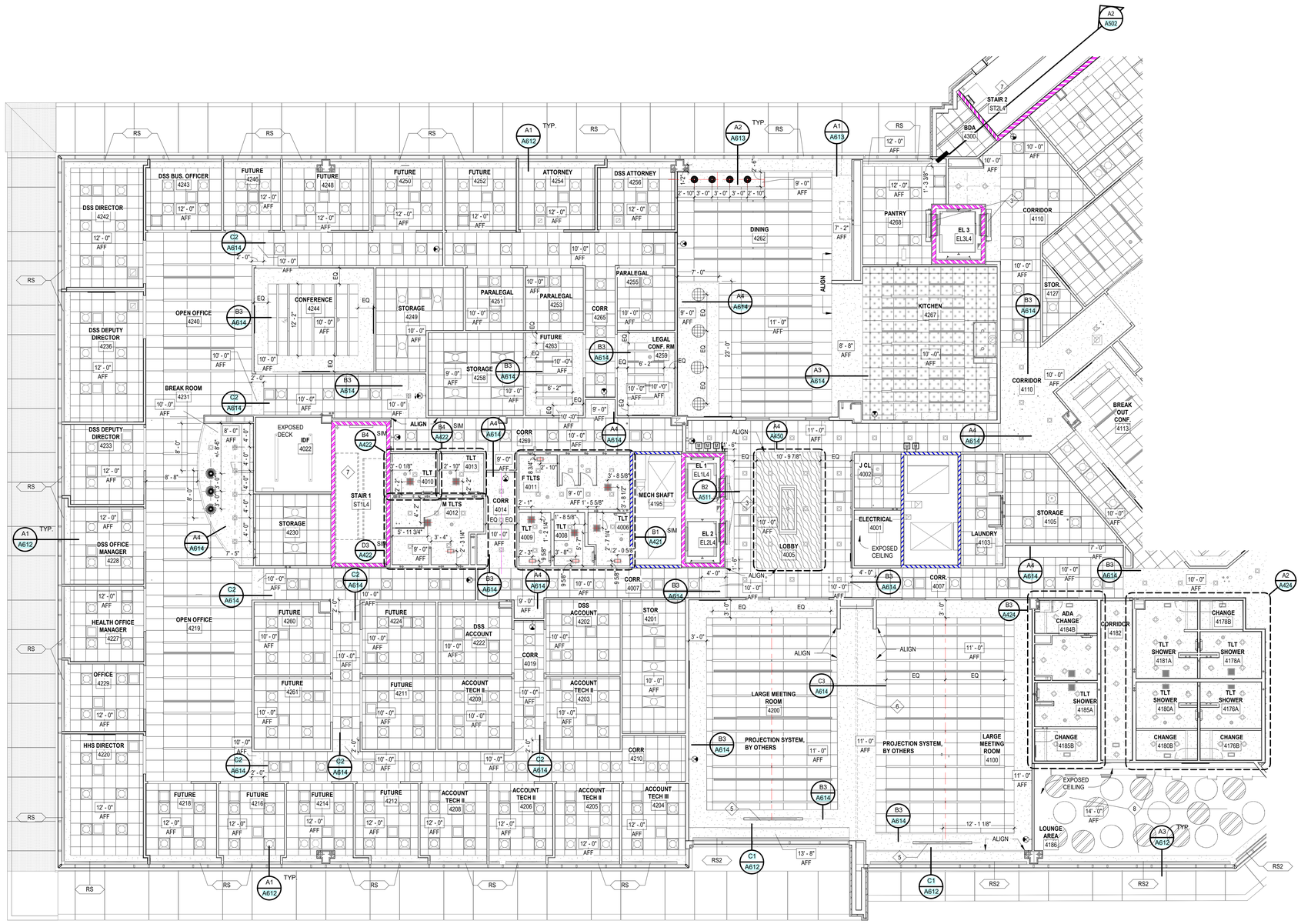
- EXIT SYMBOL TAG — LIGHTED WITH DIRECTIONAL ARROWS
- 10'-0" AFF — CEILING HEIGHT
- ACT 1 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 2 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 3 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 4 — SEE FINISH LEGEND FOR MORE INFORMATION
- GYPSUM BOARD CEILING SYSTEM
- SUSPENDED LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- 2'x2' LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- 2'x4' LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RECESSED DOWNLIGHT - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RECESSED LINEAR FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- CLOSET WALL MOUNTED LINEAR FIXTURE - SEE ELECTRICAL FOR MORE INFORMATION
- LINEAR SLOT SUPPLY GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- 2'x2' SUPPLY GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- 12" x 12" ACCESS PANEL
- EXHAUST- SEE MECHANICAL DWGS FOR MORE INFORMATION
- ACCESS PANEL — EXHAUST GRILLE - SEE MECHANICAL
- DECORATIVE FIXTURE SEE ELECTRICAL DWGS FOR MORE INFORMATION
- LIGHTART CIRCLE CEILING TILE/ DECORATIVE NOT A LIGHTING SOURCE
- LARGE DECORATIVE FIXTURE SEE ELECTRICAL DWGS FOR MORE INFORMATION
- PLAM SOFFIT AT CASEWORK
- 2'x2' RETURN GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- 10'-0" — CURTAIN TRACK
- CUT TILE LOCATION; SEE RCP
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RS — SINGLE MANUAL ROLLER SHADE
- RS2 — DOUBLE MANUAL ROLLER SHADE



ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF SIGNING CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. © COPYRIGHT 2025 MCMILLAN PAZDAN SMITH ARCHITECTURE
ALL RIGHTS RESERVED

A1/A241 1/8" = 1'-0"

LEVEL 04 RCP - AREA A



GENERAL RCP NOTES

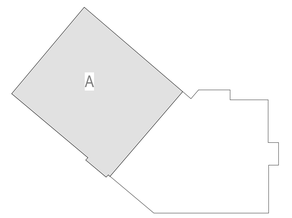
A. ALL CEILINGS TO BE 9'-0" AFF UNLESS NOTED OTHERWISE.
B. SEE FINISH LEGEND FOR CEILING MANUFACTURER INFORMATION.
C. PERIMETER TRACK FOR ALL ACOUSTICAL CEILINGS GRIDS TO BE INSTALLED IN ACCORDANCE WITH IBC AND CISCA GUIDELINES.
D. DIMENSIONS ARE TO FACE GYP. BOARD.
E. CEILING GRIDS/TILES TO BE INSTALLED TO ACCOMODATE LIGHTING LOCATION AS SHOWN ON PLAN. PARTIAL TILES AT ROOM PERIMETERS SHALL NOT BE LESS THAN 6"-3".
F. SEE ELECTRICAL, FIRE ALARM AND FIRE PROTECTION DRAWINGS FOR SPECIAL SYSTEMS. SMOKE DETECTORS, LIGHTING AND WALL MOUNTED FIXTURES NOT SHOWN ON THIS SHEET. COORDINATE LOCATIONS OF ALL FIXTURES NOT INDICATED WITH LAYOUT INDICATED ON THIS SHEET.
G. LIGHT FIXTURES AND MECHANICAL DIFFUSERS ARE SHOWN FOR POSITIONING IN FINISH CEILING SYSTEM. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR FIXTURE TYPES, MECHANICAL DIFFUSERS, WALL MOUNTED FIXTURES AND INSTALLATION OF FIXTURES IN SPACES WITHOUT CEILINGS.
H. EXTEND PERIMETER WALLS AND FINISH TO STRUCTURE ABOVE AT EXPOSED STRUCTURE AREAS.
I. CENTER LIGHTS, DIFFUSERS, EXIT SIGNS, SMOKE DETECTORS, SPEAKERS, GENERAL ALARM SPEAKERS/STROBES & MISC DEVICES IN CEILING TILES WHERE THEY ARE LOCATED. ALIGN MULTIPLE ITEM CENTER OR EDGES. PROVIDE COORDINATION SUBMITTAL FOR FINAL CONFIRMATION OF ALL FOH CEILING ELEMENT LOCATIONS.
J. INSTALL ACCESS PANELS IN GYPSUM BOARD CEILINGS AT DUCT DAMPER CONTROLS, DUCT MOUNTED SMOKE DETECTORS, MANUAL DUCT CONTROLS, HVAC EQUIP., ETC.
K. ALL SINGLE LIGHT FIXTURES SHALL BE CENTERED IN THE CEILING WHEN THEY OCCUR
L. LOCATE SPRINKLER HEADS IN THE CENTER ZONE OF THE CEILING TILE. ALIGN CORRIDOR SPRINKLER HEADS IN THE SAME LINE PARALLEL TO THE WALL WITHIN EACH SPECIFIC CEILING CONSTRUCTION.
M. PROVIDE SHADE POCKET AT EACH GLASS/WINDOW CONDITION. SEE RCP SHEETS FOR MORE INFORMATION

RCP LEGEND

- EXIT SYMBOL TAG — LIGHTED WITH DIRECTIONAL ARROWS
- 10'-0" AFF — CEILING HEIGHT
- ACT 1 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 2 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 3 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 4 — SEE FINISH LEGEND FOR MORE INFORMATION
- GYPSUM BOARD CEILING SYSTEM
- 12" x 12" ACCESS PANEL
- EXHAUST- SEE MECHANICAL DWGS FOR MORE INFORMATION
- ACCESS PANEL
- EXHAUST GRILLE - SEE MECHANICAL
- DECORATIVE FIXTURE SEE ELECTRICAL DWGS FOR MORE INFORMATION
- LIGHTART CIRCLE CEILING TILE/ DECORATIVE NOT A LIGHTING SOURCE
- LARGE DECORATIVE FIXTURE SEE ELECTRICAL DWGS FOR MORE INFORMATION
- PLAM SOFFIT AT CASEWORK
- SUSPENDED LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- 2'x2' LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- 2'x4' LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RECESSED DOWNLIGHT - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RECESSED LINEAR FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- CLOSET WALL MOUNTED LINEAR FIXTURE - SEE ELECTRICAL FOR MORE INFORMATION
- LINEAR SLOT SUPPLY GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- 2'x2' SUPPLY GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- 2'x2' RETURN GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- CURTAIN TRACK
- CUT TILE LOCATION; SEE RCP
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RS — SINGLE MANUAL ROLLER SHADE
- RS2 — DOUBLE MANUAL ROLLER SHADE

Sheet Series	Number	RCP KEYED NOTES
A200		PROVIDE DRYFALL
A200	1	SEE A612/A5 FOR TYPICAL CEILING CONDITION IN ROOMS ALONG THE EXTERIOR CURTAIN WALL
A200	2	SEE A612/A4 FOR TYPICAL CEILING/SHADE CONDITION IN LARGE MEETING ROOMS
A200	3	SMOKE GUARD FIRE CURTAIN SYSTEM
A200	4	COORDINATE SOFFITT HEIGHT WITH FINAL LOCKER SELECTION
A200	5	RECESSED PROJECTION SCREEN AND AUDIO VISUAL SYSTEM BY OTHERS
A200	6	LINE OF OPERABLE WALL TRACK
A200	7	PROVIDE DRYFALL
A200	8	PROVIDE SPRAY APPLIED K13 AND DRYFALL. SEE D1/A003 FOR MORE INFORMATION

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, PC — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED — SEAL 17168 — LEE MARIE CONNOLLY — 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

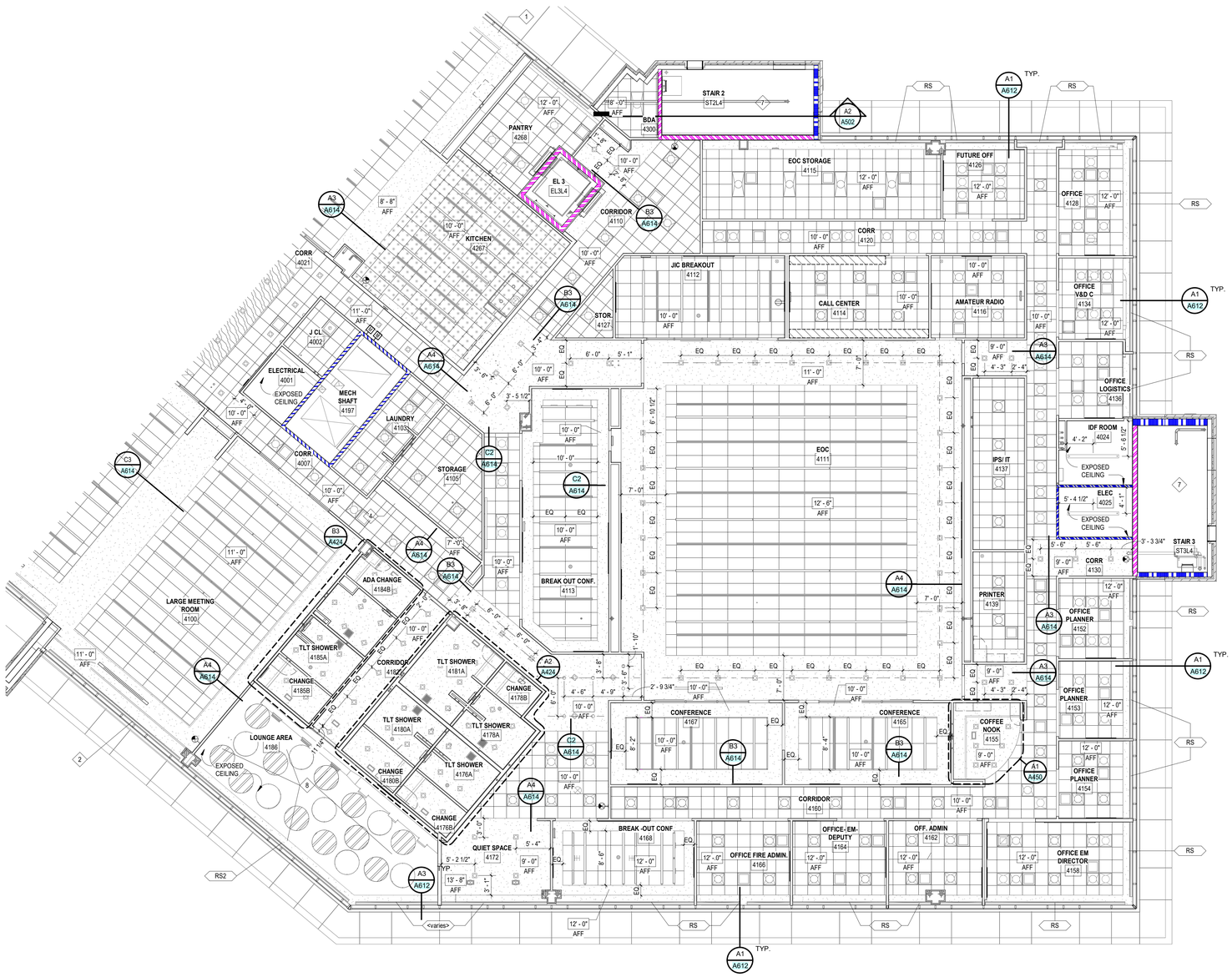
NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
LEVEL 4 RCP - AREA A

SHEET NO. A241
PROJ. NO. 024370.01

4/2/2026 12:11:58 PM - Autodesk Docs://BRUNSWICK Co. Emergency Services Center_Phase 2_Central_20240701.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR AT REQUEST OF MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. © COPYRIGHT 2025 MCMILLAN PAZDAN SMITH ARCHITECTURE
ALL RIGHTS RESERVED



GENERAL RCP NOTES

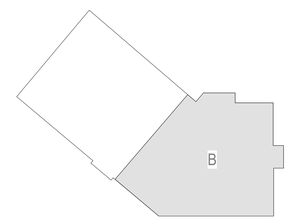
A. ALL CEILINGS TO BE 9'-0" AFF UNLESS NOTED OTHERWISE.
B. SEE FINISH LEGEND FOR CEILING MANUFACTURER INFORMATION.
C. PERIMETER TRACK FOR ALL ACOUSTICAL CEILINGS GRIDS TO BE INSTALLED IN ACCORDANCE WITH IBC AND CISCA GUIDELINES.
D. DIMENSIONS ARE TO FACE GYP. BOARD.
E. CEILING GRIDS/TILES TO BE INSTALLED TO ACCOMODATE LIGHTING LOCATION AS SHOWN ON PLAN. PARTIAL TILES AT ROOM PERIMETERS SHALL NOT BE LESS THAN 0'-3".
F. SEE ELECTRICAL, FIRE ALARM AND FIRE PROTECTION DRAWINGS FOR SPECIAL SYSTEMS. SMOKE DETECTORS, LIGHTING AND WALL MOUNTED FIXTURES NOT SHOWN ON THIS SHEET. COORDINATE LOCATIONS OF ALL FIXTURES NOT INDICATED WITH LAYOUT INDICATED ON THIS SHEET.
G. LIGHT FIXTURES AND MECHANICAL DIFFUSERS ARE SHOWN FOR POSITIONING IN FINISH CEILING SYSTEM. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR FIXTURE TYPES, MECHANICAL DIFFUSERS, WALL MOUNTED FIXTURES AND INSTALLATION OF FIXTURES IN SPACES WITHOUT CEILINGS.
H. EXTEND PERIMETER WALLS AND FINISH TO STRUCTURE ABOVE AT EXPOSED STRUCTURE AREAS.
I. CENTER LIGHTS, DIFFUSERS, EXIT SIGNS, SMOKE DETECTORS, SPEAKERS, GENERAL ALARM SPEAKERS/STROBES & MISC DEVICES IN CEILING TILES WHERE THEY ARE LOCATED. ALIGN MULTIPLE ITEM CENTER OR EDGES. PROVIDE COORDINATION SUBMITTAL FOR FINAL CONFIRMATION OF ALL FOH CEILING ELEMENT LOCATIONS.
J. INSTALL ACCESS PANELS IN GYPSUM BOARD CEILINGS AT DUCT DAMPER CONTROLS, DUCT MOUNTED SMOKE DETECTORS, MANUAL DUCT CONTROLS, HVAC EQUIP., ETC.
K. ALL SINGLE LIGHT FIXTURES SHALL BE CENTERED IN THE CEILING WHEN THEY OCCUR
L. LOCATE SPRINKLER HEADS IN THE CENTER ZONE OF THE CEILING TILE. ALIGN CORRIDOR SPRINKLER HEADS IN THE SAME LINE PARALLEL TO THE WALL WITHIN EACH SPECIFIC CEILING CONSTRUCTION.
M. PROVIDE SHADE POCKET AT EACH GLASS/WINDOW CONDITION. SEE RCP SHEETS FOR MORE INFORMATION

RCP LEGEND

- EXIT SYMBOL TAG — LIGHTED WITH DIRECTIONAL ARROWS
- 10'-0" AFF — CEILING HEIGHT
- ACT 1 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 2 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 3 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 4 — SEE FINISH LEGEND FOR MORE INFORMATION
- GYPSUM BOARD CEILING SYSTEM
- 12" x 12" ACCESS PANEL
- EXHAUST- SEE MECHANICAL DWGS FOR MORE INFORMATION
- ACCESS PANEL
- EXHAUST GRILLE - SEE MECHANICAL
- DECORATIVE FIXTURE SEE ELECTRICAL DWGS FOR MORE INFORMATION
- LIGHTART CIRCLE CEILING TILE/ DECORATIVE NOT A LIGHTING SOURCE
- LARGE DECORATIVE FIXTURE SEE ELECTRICAL DWGS FOR MORE INFORMATION
- PLAM SOFFIT AT CASEWORK
- SUSPENDED LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- 2'x2' LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- 2'x4' LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RECESSED DOWNLIGHT - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RECESSED LINEAR FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- CLOSET WALL MOUNTED LINEAR FIXTURE - SEE ELECTRICAL FOR MORE INFORMATION
- LINEAR SLOT SUPPLY GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- 2'x2' SUPPLY GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- 2'x2' RETURN GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- CURTAIN TRACK
- CUT TILE LOCATION; SEE RCP
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RS — SINGLE MANUAL ROLLER SHADE
- RS2 — DOUBLE MANUAL ROLLER SHADE

Sheet Series	Number	RCP KEYED NOTES
A200		PROVIDE DRYFALL
A200	1	SEE A612/A5 FOR TYPICAL CEILING CONDITION IN ROOMS ALONG THE EXTERIOR CURTAIN WALL
A200	2	SEE A612/A4 FOR TYPICAL CEILING/SHADE CONDITION IN LARGE MEETING ROOMS
A200	3	SMOKE GUARD FIRE CURTAIN SYSTEM
A200	4	COORDINATE SOFFITT HEIGHT WITH FINAL LOCKER SELECTION
A200	5	RECESSED PROJECTION SCREEN AND AUDIO VISUAL SYSTEM BY OTHERS
A200	6	LINE OF OPERABLE WALL TRACK
A200	7	PROVIDE DRYFALL
A200	8	PROVIDE SPRAY APPLIED K13 AND DRYFALL. SEE D1/A003 FOR MORE INFORMATION

KEY PLAN



PROJECT NORTH

A1 / A242 — **LEVEL 04 RCP - AREA B**
1/8" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. — CERT. NO. 54314 — REGISTERED ARCHITECTURAL CORPORATION — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED — SEAL 17168 — LEE MARIE CONNELLY

02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

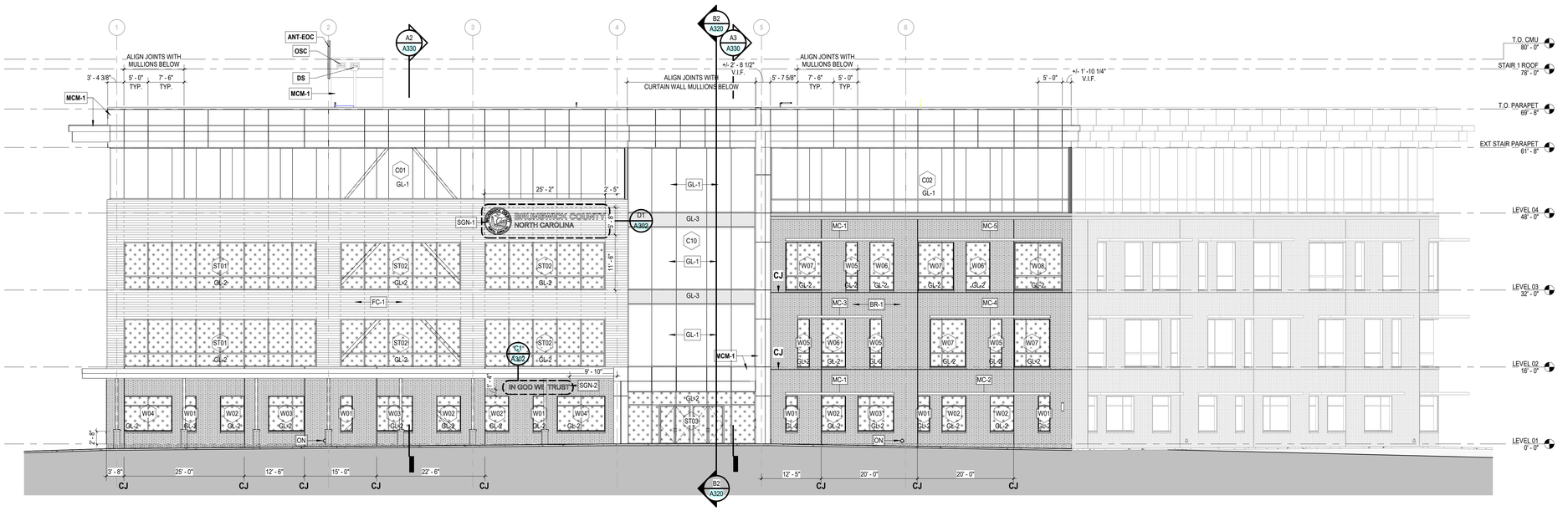
NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
LEVEL 4 RCP - AREA B

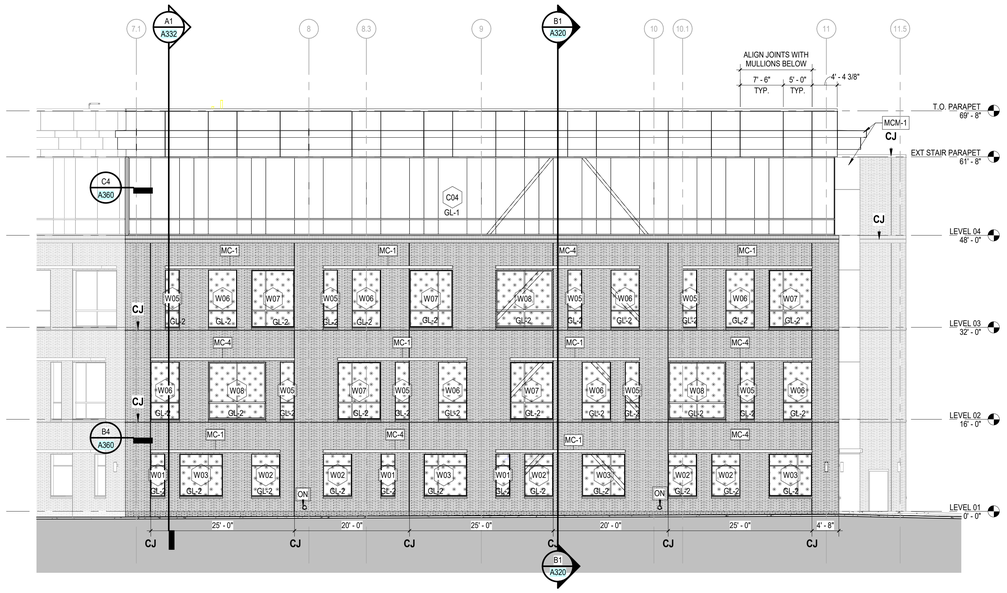
SHEET NO. A242

PROJ. NO. 024370.01



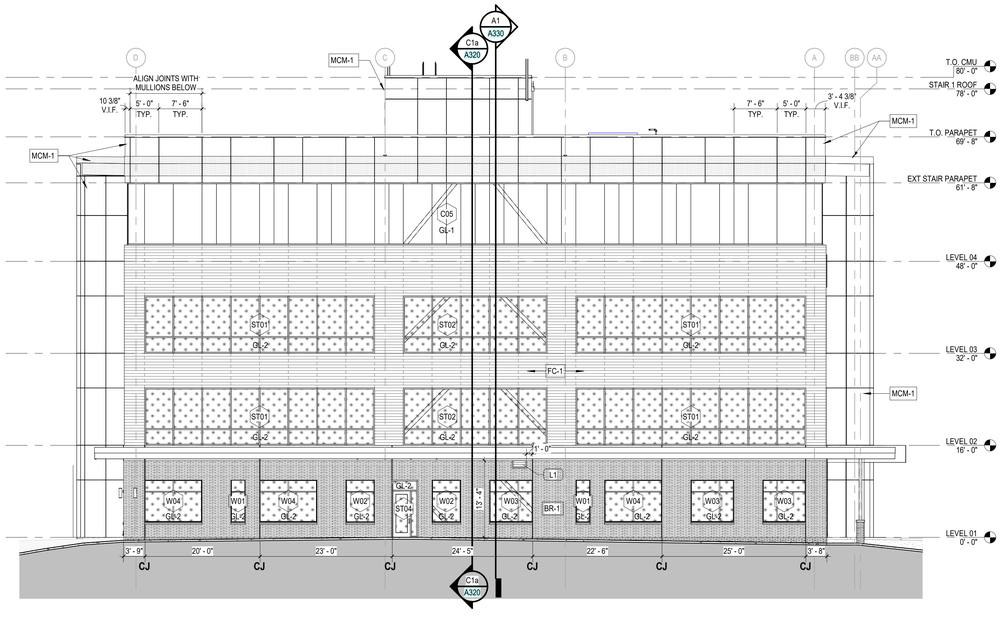
C1 BUILDING ELEVATION - SOUTH WEST

A300 3/32" = 1'-0"



B2 BUILDING ELEVATION -SOUTH EAST

A300 3/32" = 1'-0"



B1 BUILDING ELEVATION - WEST

A300 3/32" = 1'-0"

GENERAL NOTES - EXTERIOR ELEVATIONS

1. ALL EXTERIOR WALL MOUNTED DEVICES (SUCH AS LIGHTS, SECURITY CAMERAS & SPEAKERS) ARE TO BE LOCATED IN REGULAR RHYTHMS AND SPACED CENTERED ON BAYS, WINDOWS, ETC TO PRODUCE AN OVERALL HARMONIOUS APPEARANCE.
2. PROVIDE COORDINATION DRAWINGS LOCATING ALL EXTERIOR WALL MOUNTED DEVICES FOR ARCHITECT REVIEW, PRIOR TO INSTALLATION.
3. ALL EXTERIOR MISC STEEL (INCLUDING, BUT NOT LIMITED TO, LINTELS, ANGLES, PLATES, CHANNELS, ETC) IS TO BE GALVANIZED AND PAINTED, PER SPECIFICATION SECTION 09 96 00 HIGH-PERFORMANCE COATINGS.
4. ALL EXTERIOR STRUCTURAL STEEL IS TO BE PAINTED, PER SPECIFICATION SECTION 09 96 00 HIGH-PERFORMANCE COATINGS.
5. ALL PARAPET COPINGS, FLASHING, TRIM, BREAK METAL, SCUPPERS, GUTTERS, DOWNSPOUTS, ETC. ARE TO BE KYNAR FINISHED ALUM. MATCH COLOR OF ADJACENT WALL. MULTIPLE COLORS WILL BE REQUIRED.
6. ALL EXTERIOR STRUCTURAL STEEL IS TO BE AESS LEVEL 1. REF STRUCT DWGS
7. MULTIPLE CUSTOM BRICK SHAPES ARE REQUIRED. REFER TO DETAILS FOR SHAPES AND REQUIREMENTS ON SHEET A901 AND 04 26 13 - 2.2 A
8. FC-1 AND MCM-1 PANEL JOINTS ARE TO ALIGN ON A 2' - 6" MODULE. GENERAL CONTRACTOR IS TO COORDINATE.

EXTERIOR MATERIAL LEGEND

- **BR-1** NORMAN BRICK (EXT WALL TYPE EW1) BOD: CHEROKEE BRICK - VELOUR DARK GRAY MORTAR: CUSTOM COLOR TBD
- **FC-1** FIBER COMPOSITE PANEL (EXT WALL TYPE EW3) OKO SKIN / FIBRE C W/ CONCEALED FASTENERS COLOR/TEXTURE: MULTIPLE TBD (4 MIN)
- **MCM-1** ALUM COMPOSITE METAL (EXT WALL TYPE EW2) UNDERLIGHTING ON CANOPIES COLOR: TBD W/ MICA FINISH
- **MC-1 - MC-7** METAL CANOPY - SUN CONTROL DEVICE COLOR: TBD W/ MICA FINISH
- **MC-8 - MC-10** METAL CANOPY WITH ROOF COLOR: TBD W/ MICA FINISH
- **ON** DOWNSPOUT OVERFLOW NOZZLE, W/ FLAPPER TYP 12" ABOVE FINISHED GRADE BOD: ZURN ZF199 - W/ SST FASTENERS
- **OSC** OVERFLOW SCUPPER REFER TO TP-31 / A610 & D4 / A611 MATCH COLOR OF ADJACENT WALL
- **DS** DOWNSPOUT WITH CONDUCTOR HEAD REFER TO D3 / A611
- **SGN-1** ILLUMINATED BUILDING PANEL SIGNAGE REF STRUCT, ELEC DWGS AND DETAILS ON A302. PROVIDE FIRE-RETARDANT TREATED PLYWOOD BLOCKING.
- **SGN-2** KYNAR FINISHED ALUM LETTERS ON STAINLESS STEEL STAND-OFFS. CUSTOM COLOR TBD. REF TO DETAILS ON A302. PROVIDE FIRE-RETARDANT TREATED PLYWOOD BLOCKING.

GLAZING LEGEND

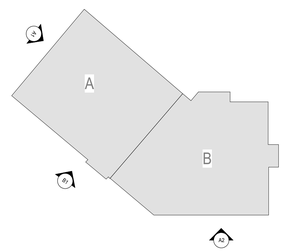
EXTERIOR GLAZING:

- **GL-1** TEMPERED, INSULATED GLASS UNIT (IGU) VERTICAL STRUCTURAL SILICONE GLAZING (SSG) BOD: SOLARBAN 90 OR EQUAL COLOR: CLEAR / MIN TINT
- **GL-2** TEMPERED, INSULATED GLASS UNIT (IGU) IN ALUM FRAMES BOD: SOLARBAN 90 OR EQUAL COLOR: CLEAR / MIN TINT
- **GL-3** TEMPERED, INSULATED GLASS UNIT (IGU) SPANDREL GLAZING BOD: SOLAR BAN 90 OR EQUAL COLOR: OPAQUE GRAY TBD

INTERIOR GLAZING:

- **GL-A (1/4" CLEAR TEMPERED SAFETY GLAZING) UNLESS IN FIRE RATED CONSTRUCTION**
- **GL-B (1/2" CLEAR LAMINATED SAFETY GLAZING)**
- **GL-C (3/4" CLEAR LAMINATED SAFETY GLAZING)**
- **GL-D (3/8" CLEAR LAMINATED SAFETY GLAZING)**
- **GL-E (±2" TEMPERED IGU w/ INTEGRAL BLINDS @ WINDOWS) (±1" TEMPERED IGU w/ INTEGRAL BLINDS @ DOORS)**
- **GL-F (1/4" TEMPERED 1-WAY VISION GLAZING)**

*** REFERENCE INTERIOR AND EXTERIOR ELEVATIONS FOR WINDOW / CURTAIN WALL CONDITIONS**



ALL DRAWINGS, SPECIFICATIONS AND CORIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE DRAWINGS AND SPECIFICATIONS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED ON REQUEST. ACCEPTANCE OF THESE DRAWINGS AND SPECIFICATIONS FOR REVIEW PURPOSES ONLY AGREES TO THE RESTRICTIONS STATED HEREIN. ANY REUSE OF THESE DRAWINGS AND SPECIFICATIONS FOR OTHER PROJECTS, EXTENSIONS TO THIS PROJECT, OR PUBLICATION WITHOUT THE EXPRESS WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE SHALL BE WITHOUT LIABILITY TO MCMILLAN PAZDAN SMITH ARCHITECTURE AND WILL BE AT RECIPIENT'S SOLE RISK. ANY PUBLICATION OF THESE DRAWINGS AND SPECIFICATIONS WITHOUT THE EXPRESS WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE SHALL BE WITHOUT LIABILITY TO MCMILLAN PAZDAN SMITH ARCHITECTURE AND WILL BE AT RECIPIENT'S SOLE RISK. ANY PUBLICATION OF THESE DRAWINGS AND SPECIFICATIONS FOR COMPLETION OF THE PROJECT, SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE OR OTHER COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, PC CERT. NO. 54314 REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17168 JEFFREY MARIE CONNELLY 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:

NO.	DATE	DESCRIPTION

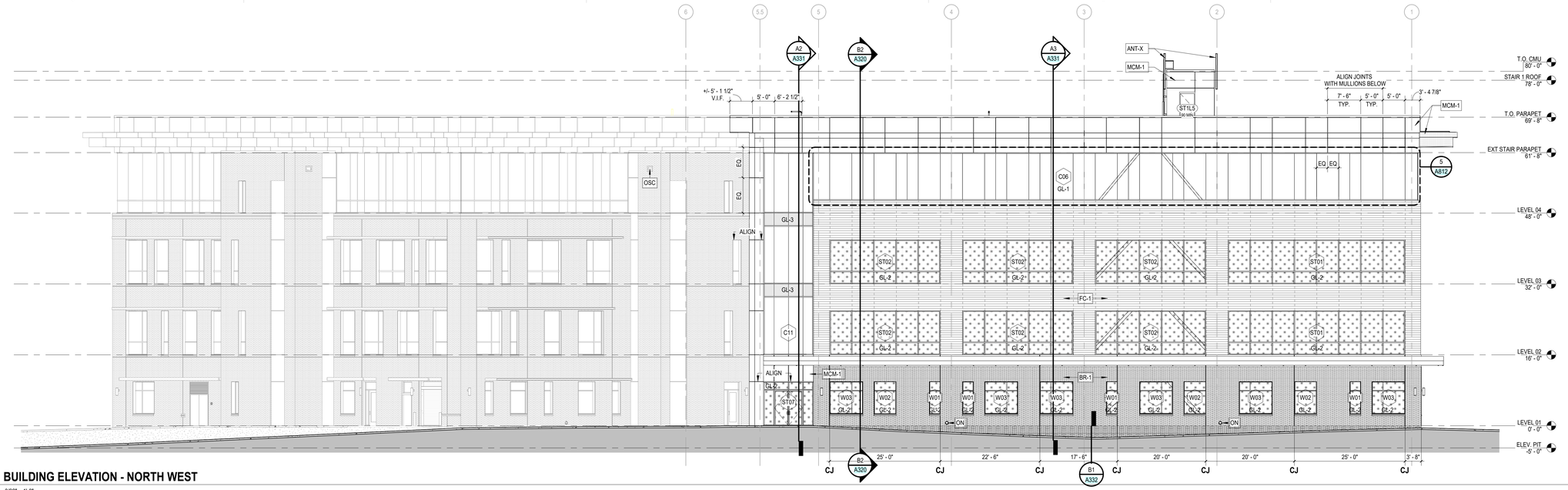
PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: D. KIM

SHEET TITLE:
OVERALL BUILDING ELEVATIONS

SHEET NO. A300

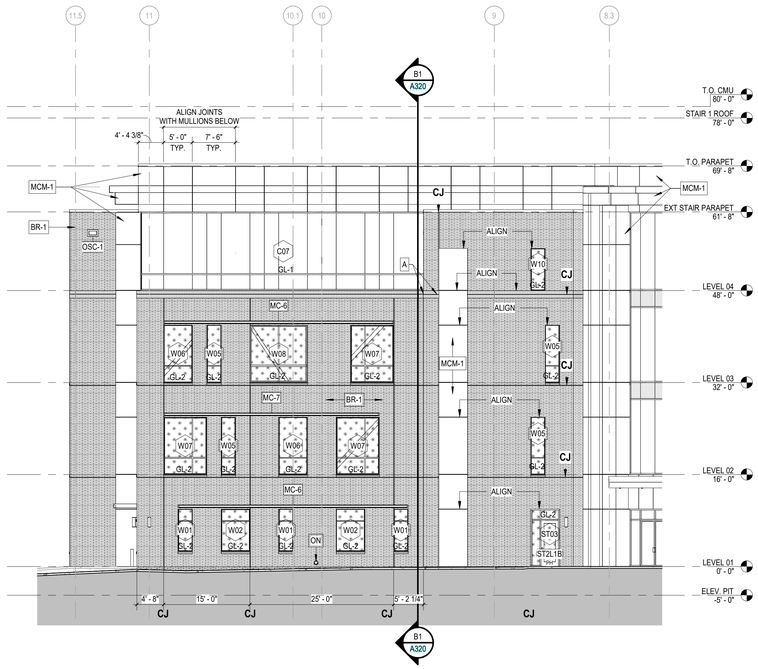
PROJ. NO. 024370.01

Autodesk Docs://2025-05 @ Brunswick County Health & Human Services/MPDS_Brunswick County Health and Human Services_R25_v1.rvt
4/2/2026 11:21:19 PM
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT WITHOUT THE EXPRESS PRIOR WRITTEN AGREEMENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING COPYRIGHT, IN THE PROJECT, IN WHOLE OR IN PART, ARE RESERVED TO MCMILLAN PAZDAN SMITH ARCHITECTURE. ANY USE OR DISTRIBUTION OF THESE MATERIALS WITHOUT THE PRIOR WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE IS PROHIBITED. ANY USE OR DISTRIBUTION OF THESE MATERIALS FOR ANY PROJECT OTHER THAN THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED



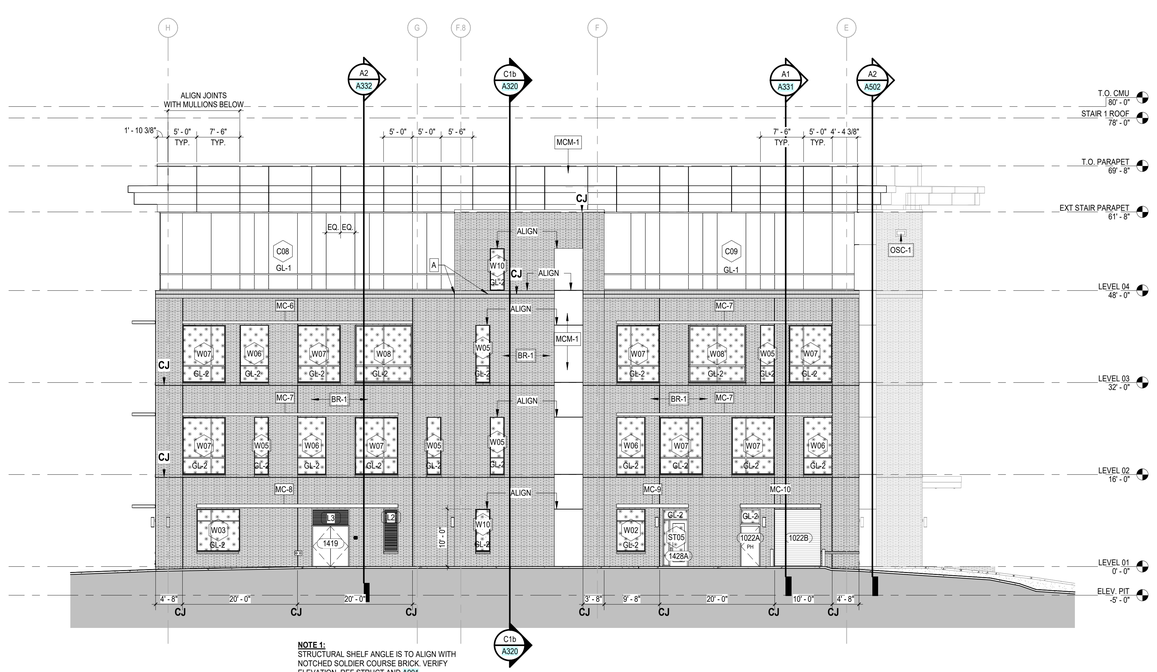
D1 A301 **BUILDING ELEVATION - NORTH WEST**

3/32" = 1'-0"



B2 A301 **BUILDING ELEVATION - NORTH EAST**

3/32" = 1'-0"



NOTE 1:
STRUCTURAL SHELF ANGLE IS TO ALIGN WITH NOTCHED SOLDIER COURSE BRICK. VERIFY ELEVATION REF STRUCT AND A901

B1 A301 **BUILDING ELEVATION - EAST**

3/32" = 1'-0"

KEYNOTES - EXTERIOR ELEVATIONS

A. STRUCTURAL STEEL SHELF ANGLE IS TO ALIGN WITH NOTCHED SOLDIER COURSE BRICK. VERIFY EXACT ELEVATION. REF STRUCT DWGS AND A901

GENERAL NOTES - EXTERIOR ELEVATIONS

1. ALL EXTERIOR WALL MOUNTED DEVICES (SUCH AS LIGHTS, SECURITY CAMERAS & SPEAKERS) ARE TO BE LOCATED IN REGULAR RHYTHMS AND SPACED CENTERED ON BAYS, WINDOWS, ETC TO PRODUCE AN OVERALL HARMONIOUS APPEARANCE.

2. PROVIDE COORDINATION DRAWINGS LOCATING ALL EXTERIOR WALL MOUNTED DEVICES FOR ARCHITECT REVIEW, PRIOR TO INSTALLATION.

3. ALL EXTERIOR MISC STEEL (INCLUDING, BUT NOT LIMITED TO, LINTELS, ANGLES, PLATES, CHANNELS, ETC) IS TO BE GALVANIZED AND PAINTED, PER SPECIFICATION SECTION 09 96 00 HIGH-PERFORMANCE COATINGS.

4. ALL EXTERIOR STRUCTURAL STEEL IS TO BE PAINTED, PER SPECIFICATION SECTION 09 96 00 HIGH-PERFORMANCE COATINGS.

5. ALL PARAPET COPINGS, FLASHING, TRIM, BREAK METAL, SCUPPERS, GUTTERS, DOWNSPOUTS, ETC. ARE TO BE KYNAR FINISHED ALUM. MATCH COLOR OF ADJACENT WALL. MULTIPLE COLORS WILL BE REQUIRED.

6. ALL EXTERIOR STRUCTURAL STEEL IS TO BE AESS LEVEL 1. REF STRUCT DWGS

7. MULTIPLE CUSTOM BRICK SHAPES ARE REQUIRED. REFER TO DETAILS FOR SHAPES AND REQUIREMENTS ON SHEET A901 AND 04 26 13 - 2.2 A

8. FC-1 AND MCM-1 PANEL JOINTS ARE TO ALIGN ON A 2' - 6" MODULE. GENERAL CONTRACTOR IS TO COORDINATE.

EXTERIOR MATERIAL LEGEND

BR-1 NORMAN BRICK (EXT WALL TYPE EW1)
BOD: CHEROKEE BRICK - VELOUR DARK GRAY
MORTAR: CUSTOM COLOR TBD

FC-1 FIBER COMPOSITE PANEL (EXT WALL TYPE EW3)
OKO SKIN / FIBRE C W/ CONCEALED FASTENERS
COLOR/TEXTURE: MULTIPLE TBD (4 MIN)

MCM-1 ALUM COMPOSITE METAL (EXT WALL TYPE EW2)
UNDERLIGHTING ON CANOPIES
COLOR: TBD W/ MICA FINISH

MC-1 - MC-7 METAL CANOPY - SUN CONTROL DEVICE
COLOR: TBD W/ MICA FINISH

MC-8 - MC-10 METAL CANOPY WITH ROOF
COLOR: TBD W/ MICA FINISH

ON DOWNSPOUT OVERFLOW NOZZLE, W/ FLAPPER
TYP 12" ABOVE FINISHED GRADE
BOD: ZURN ZF199 - W/ SST FASTENERS

OSC OVERFLOW SCUPPER
REFER TO TP-31 / A610 & D4 / A611
MATCH COLOR OF ADJACENT WALL

DS DOWNSPOUT WITH CONDUCTOR HEAD
REFER TO D3 / A611

SGN-1 ILLUMINATED BUILDING PANEL SIGNAGE
REF STRUCT, ELEC DWGS AND DETAILS ON A302. PROVIDE FIRE-RETARDANT TREATED PLYWOOD BLOCKING.

SGN-2 KYNAR FINISHED ALUM LETTERS
ON STAINLESS STEEL STAND-OFFS. CUSTOM COLOR TBD.
REF TO DETAILS ON A302. PROVIDE FIRE-RETARDANT TREATED PLYWOOD BLOCKING.

GLAZING LEGEND

EXTERIOR GLAZING:

GL-1 TEMPERED, INSULATED GLASS UNIT (IGU)
VERTICAL STRUCTURAL SILICONE GLAZING (SSG)
BOD: SOLARBAN 90 OR EQUAL
COLOR: CLEAR / MIN TINT

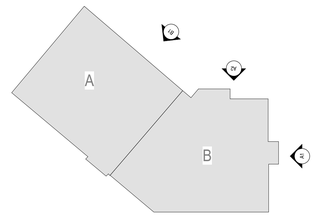
GL-2 TEMPERED, INSULATED GLASS UNIT (IGU)
IN ALUM FRAMES
BOD: SOLARBAN 90 OR EQUAL
COLOR: CLEAR / MIN TINT

GL-3 TEMPERED, INSULATED GLASS UNIT (IGU)
SPANDREL GLAZING
BOD: SOLAR BAN 90 OR EQUAL
COLOR: OPAQUE GRAY TBD

INTERIOR GLAZING:

- **GL-A (1/4" CLEAR TEMPERED SAFETY GLAZING) UNLESS IN FIRE RATED CONSTRUCTION**
- **GL-B (1/2" CLEAR LAMINATED SAFETY GLAZING)**
- **GL-C (3/4" CLEAR LAMINATED SAFETY GLAZING)**
- **GL-D (3/8" CLEAR LAMINATED SAFETY GLAZING)**
- **GL-E (±2" TEMPERED IGU w/ INTEGRAL BLINDS @ WINDOWS) (±1" TEMPERED IGU w/ INTEGRAL BLINDS @ DOORS)**
- **GL-F (1/4" TEMPERED 1-WAY VISION GLAZING)**

*** REFERENCE INTERIOR AND EXTERIOR ELEVATIONS FOR WINDOW / CURTAIN WALL CONDITIONS**



mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, PC
CERT. NO. 54314
CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17168 LEE MARIE CONNOR
02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

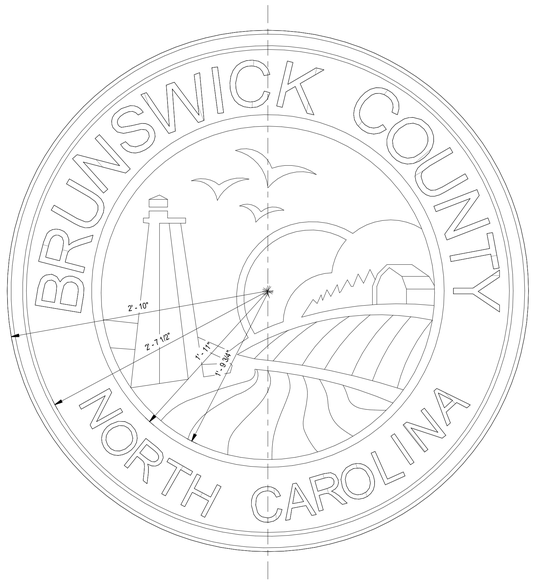
NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: D. KIM

SHEET TITLE:
OVERALL BUILDING ELEVATIONS

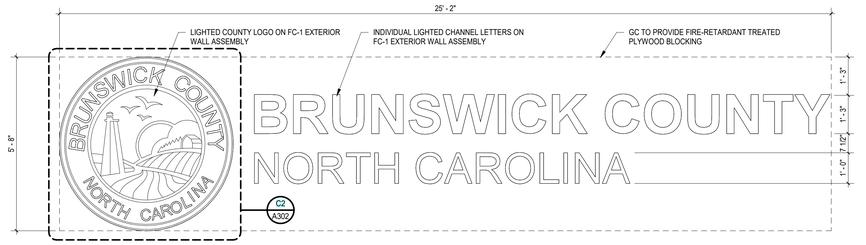
SHEET NO. A301

PROJ. NO. 024370.01



C2 A302 **SGN-1 - BC LOGO SIGNAGE ELEVATION - ENLARGED**

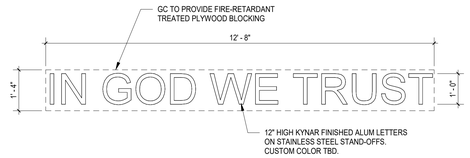
1 1/2" = 1'-0"



NOTE:
1. DESIGN SIGNAGE FOR BASIC DESIGN WIND SPEED PER STRUCTURAL DESIGN CRITERIA.
2. SIGNAGE WILL BE DELIGATED DESIGN.

D1 A302 **SGN-1 - BC LOGO SIGNAGE ELEVATION - SOUTH WEST**

1/2" = 1'-0"



NOTE:
1. DESIGN SIGNAGE FOR BASIC DESIGN WIND SPEED PER STRUCTURAL DESIGN CRITERIA.
2. SIGNAGE WILL BE DELIGATED DESIGN.

C1 A302 **SGN-2 - IN GOD WE TRUST SIGNAGE ELEVATION - SOUTH WEST**

1/2" = 1'-0"

A302DW 11/12/2025 1:47:28 PM - Autodesk Docs://PROJECTS @ Brunswick County Health & Human Services/BCHS - Brunswick County Health and Human Services_R25_c1
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON MY PERFECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF SIGNING CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. © COPYRIGHT 2025 MCMILLAN PAZDAN SMITH.
ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, PC — CERT. NO. 54314 — REGISTERED ARCHITECTURAL CORPORATION — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17168 ARCHITECT MARIE CORNELIUS

02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: D. KIM

SHEET TITLE:

ENLARGED SIGNAGE ELEVATIONS

SHEET NO. A302

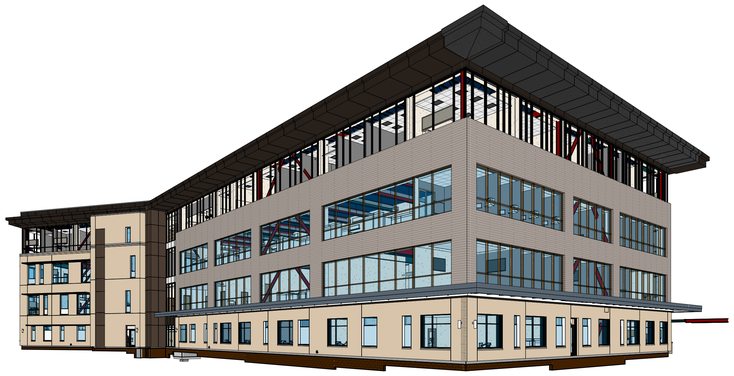
PROJ. NO. 024370.01



D2 A303 NORTH EAST PERSPECTIVE



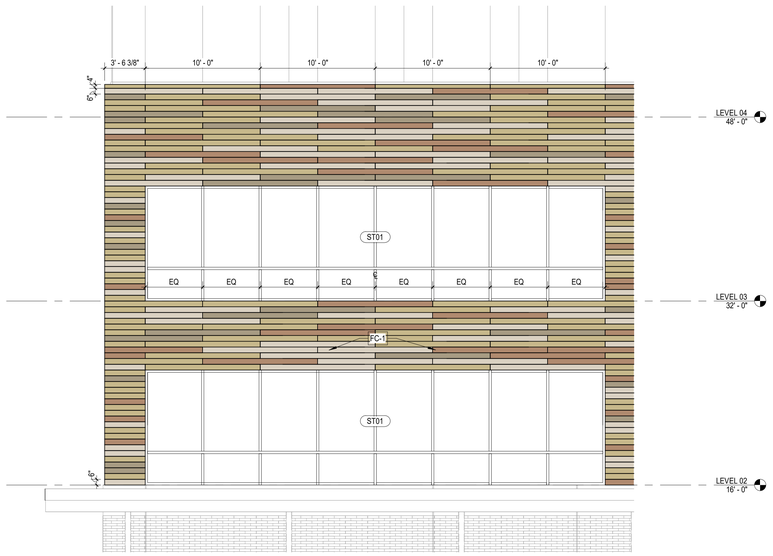
D1 A303 SOUTH EAST PERSPECTIVE



C2 A303 NORTH WEST PERSPECTIVE



C1 A303 SOUTH PERSPECTIVE

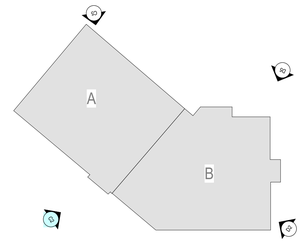


A1 A303 ENLARGED ELEVATION - SOUTHWEST - OKO SKIN PANEL LAYOUT

3/16" = 1'-0"

OKO SKIN PANEL MATERIAL

- PANEL TYPE 1 - COLOR AND TEXTURE TBD
- PANEL TYPE 2 - COLOR AND TEXTURE TBD
- PANEL TYPE 3 - COLOR AND TEXTURE TBD
- PANEL TYPE 4 - COLOR AND TEXTURE TBD



mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17168 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

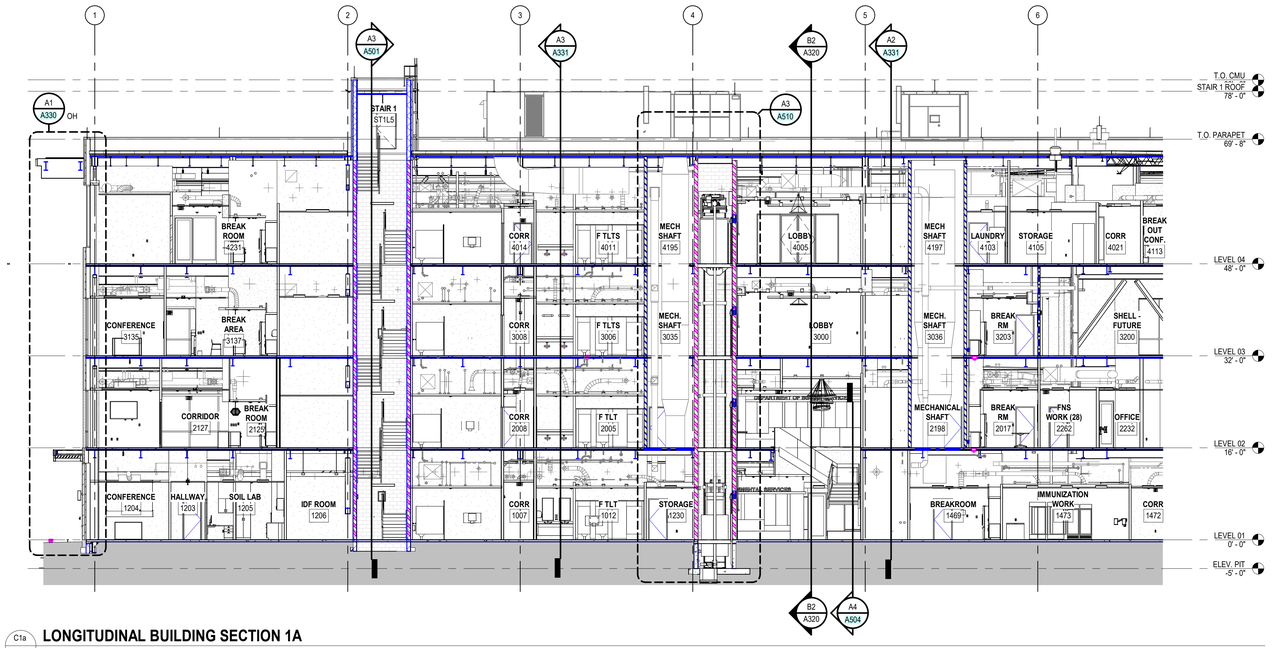
PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:

BUILDING PERSPECTIVES AND PANEL ELEVATIONS

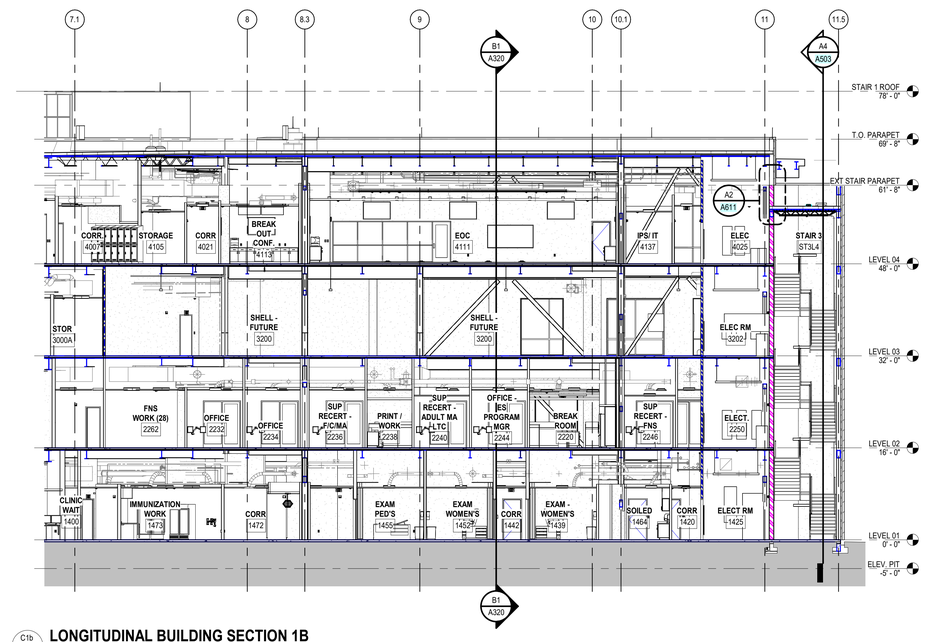
SHEET NO. PROJ. NO. 024370.01

A303



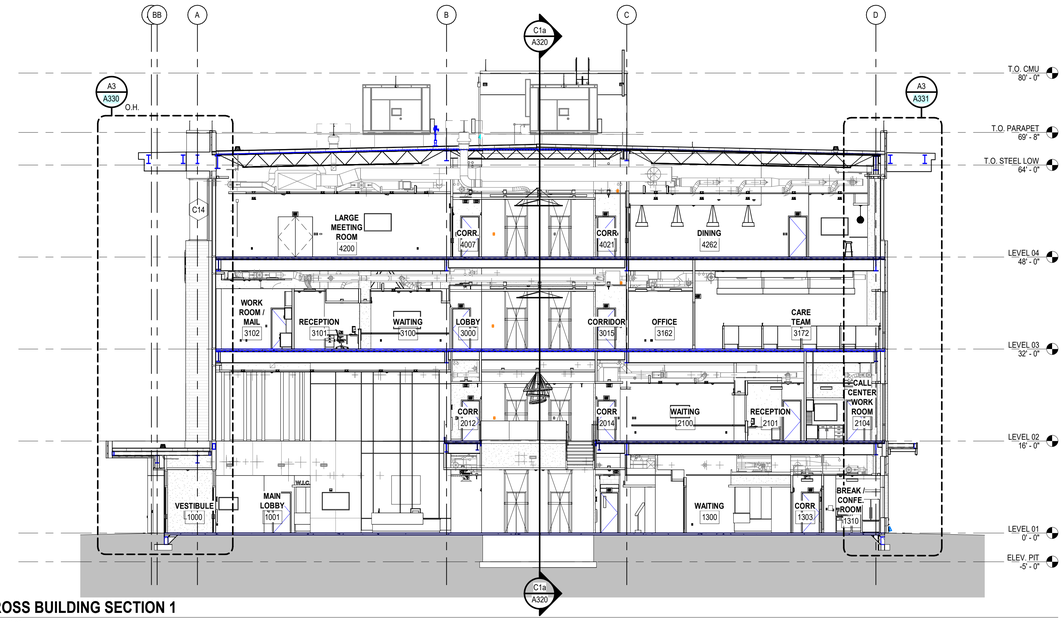
C1a A320 **LONGITUDINAL BUILDING SECTION 1A**

3/32" = 1'-0"



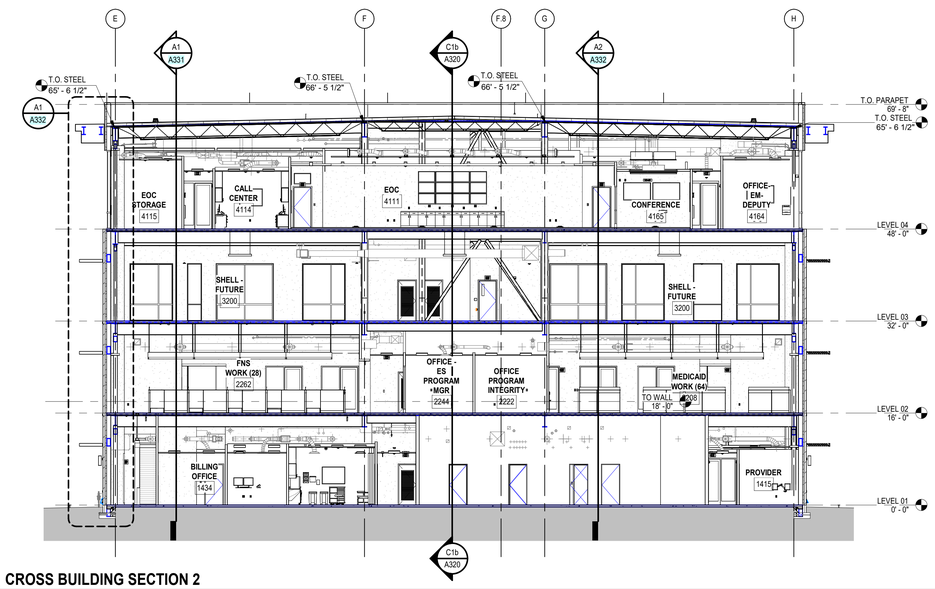
C1b A320 **LONGITUDINAL BUILDING SECTION 1B**

3/32" = 1'-0"



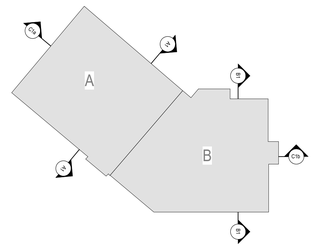
B2 A320 **CROSS BUILDING SECTION 1**

3/32" = 1'-0"



B1 A320 **CROSS BUILDING SECTION 2**

3/32" = 1'-0"



ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY IN THEIR ENTIRETY IN THE EXECUTION OF THE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR DUPLICATED UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, PC CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17168 MARIE CONNELLY

02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: D. KIM

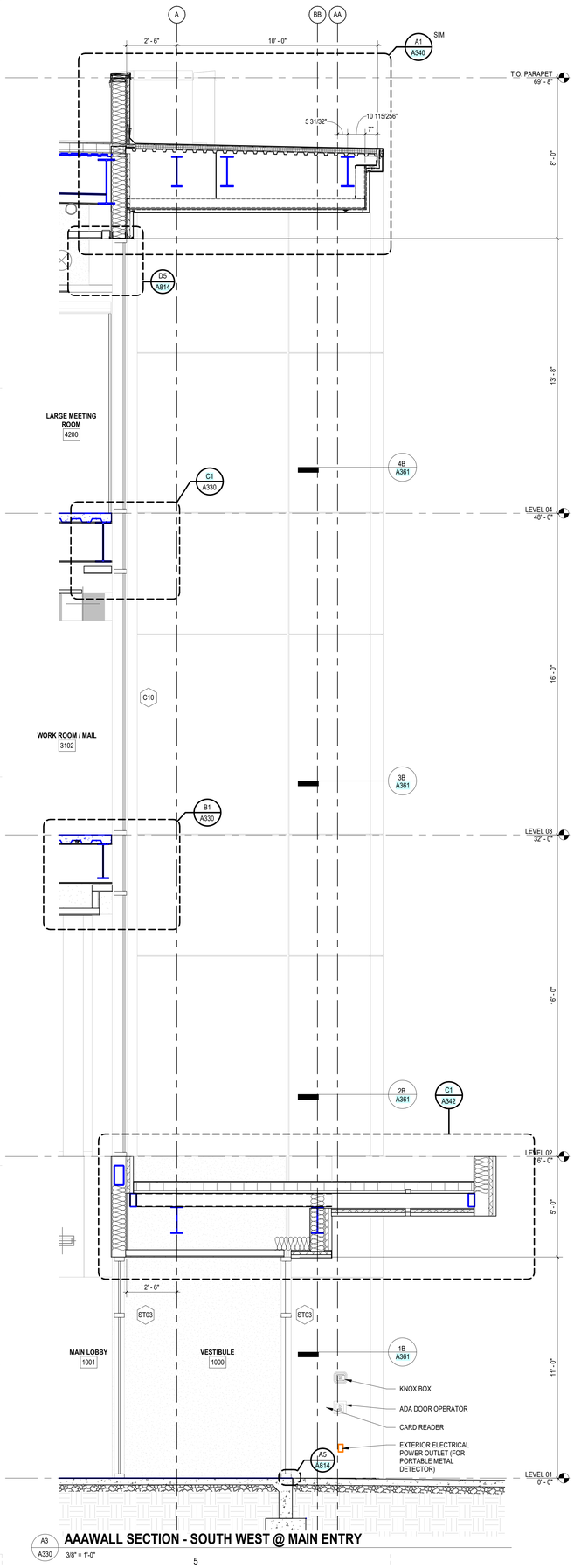
SHEET TITLE:

OVERALL BUILDING SECTIONS

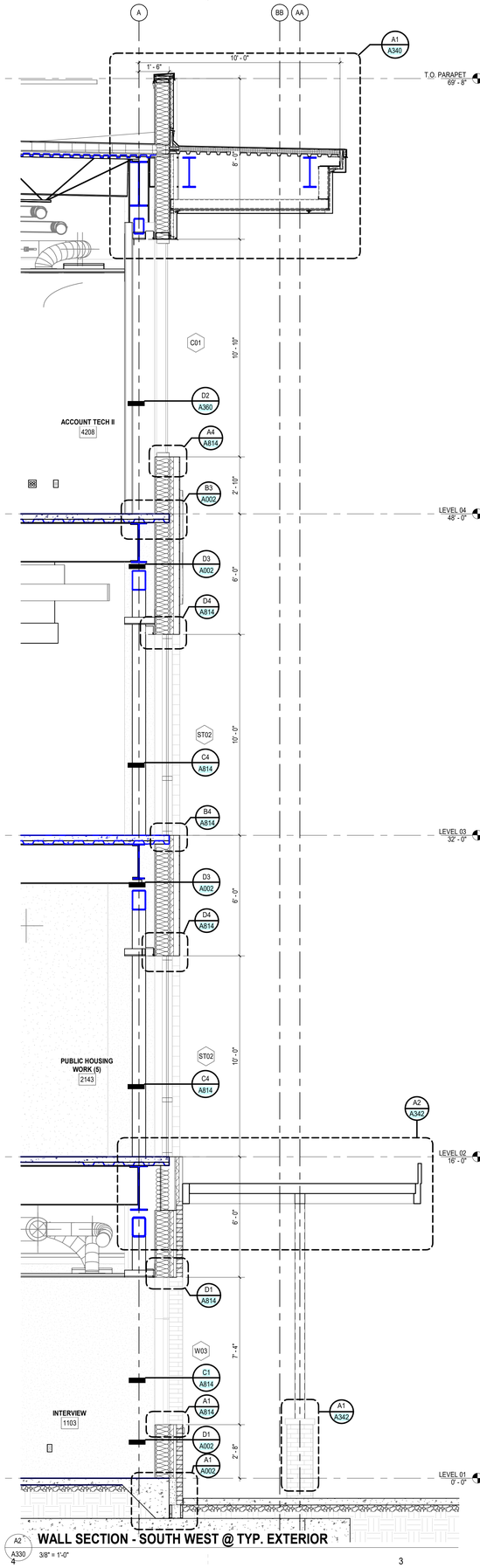
SHEET NO. A320

PROJ. NO. 024370.01

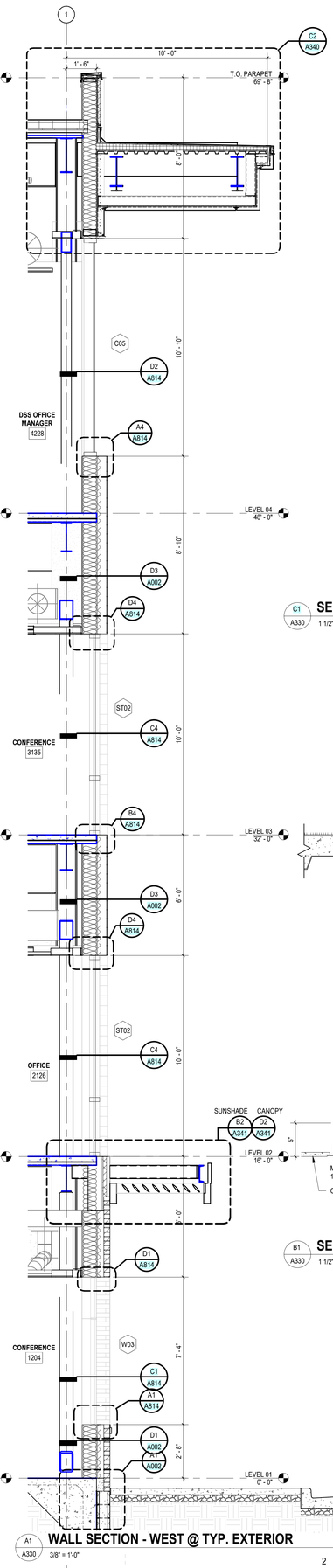
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON AND WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. © COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED



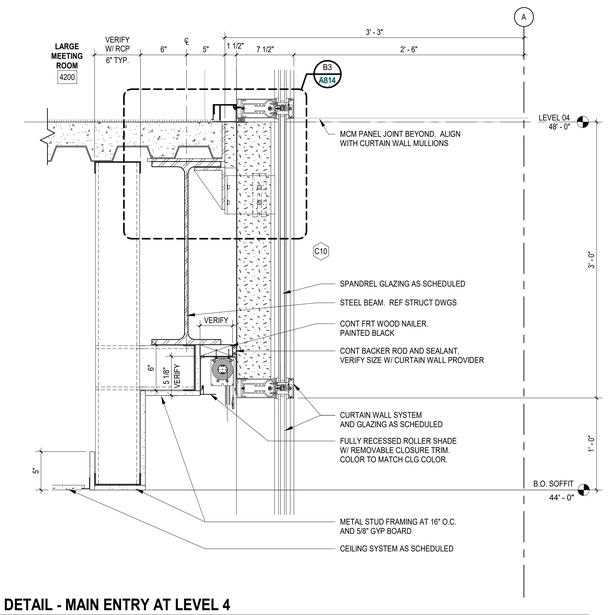
A3 / A330 **AAAWALL SECTION - SOUTH WEST @ MAIN ENTRY**
3/8" = 1'-0"



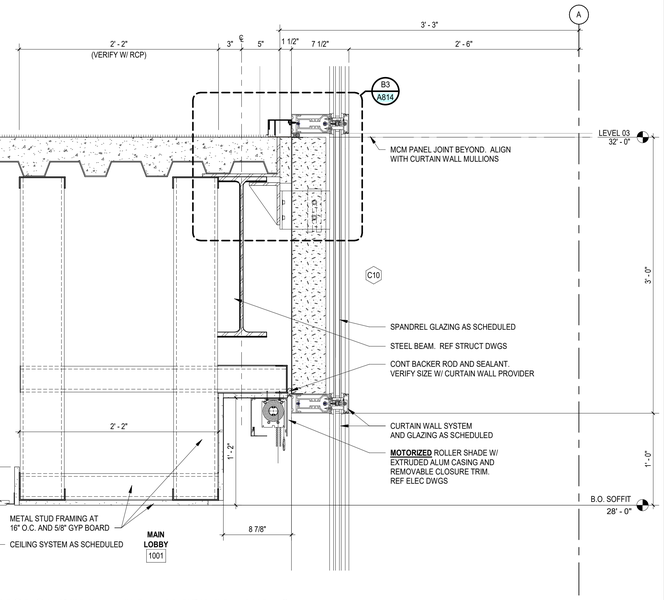
A2 / A330 **WALL SECTION - SOUTH WEST @ TYP. EXTERIOR**
3/8" = 1'-0"



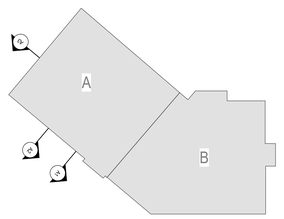
A1 / A330 **WALL SECTION - WEST @ TYP. EXTERIOR**
3/8" = 1'-0"



C1 / A330 **SECTION DETAIL - MAIN ENTRY AT LEVEL 4**
1 1/2" = 1'-0"



B1 / A330 **SECTION DETAIL - MAIN ENTRY AT LEVEL 3**
1 1/2" = 1'-0"



mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, PC — CERT. NO. S4314 — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED — SEAL 17168 — LEMUEL MARIE CONNOR — 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

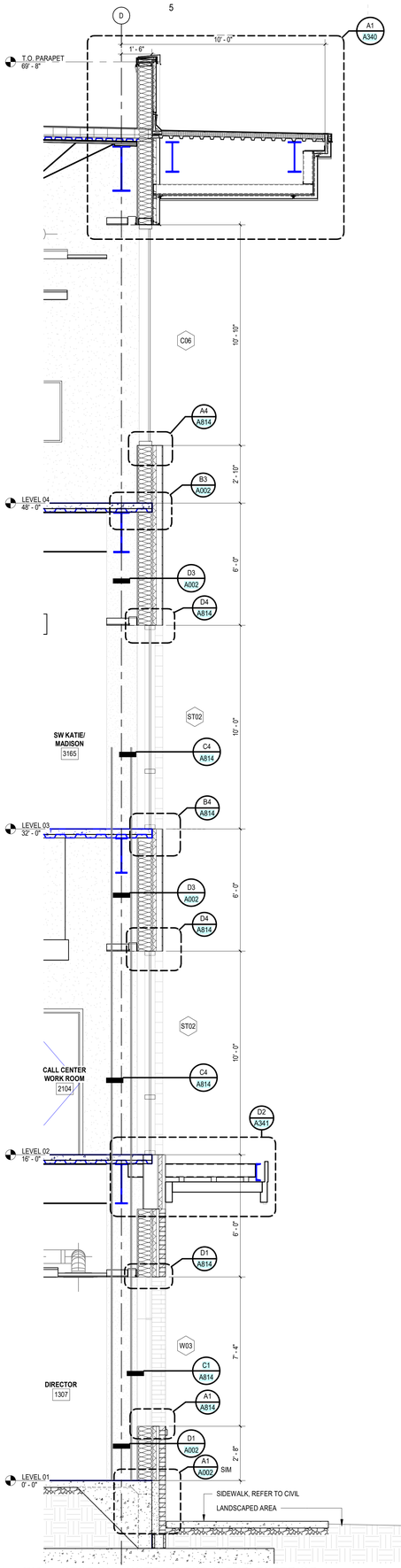
NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
WALL SECTIONS

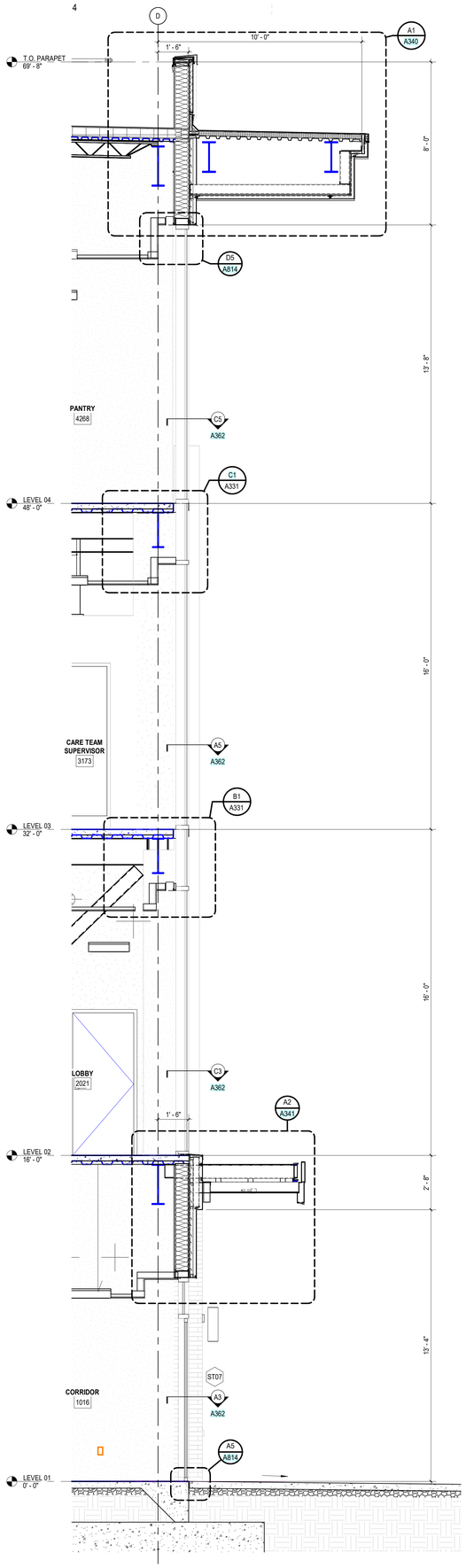
SHEET NO. A330

PROJ. NO. 024370.01



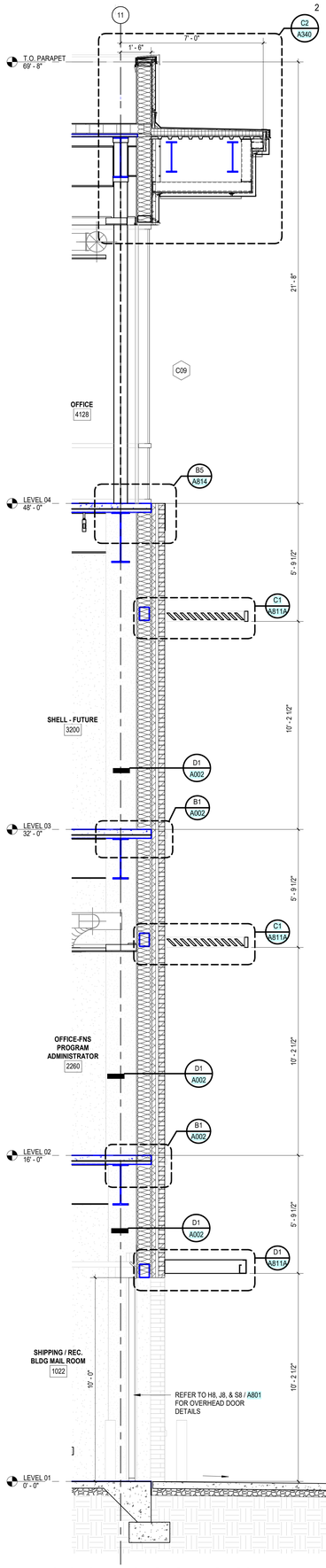
A3 / A331 **WALL SECTION - NORTH WEST @ TYP. EXTERIOR**

3/8" = 1'-0"



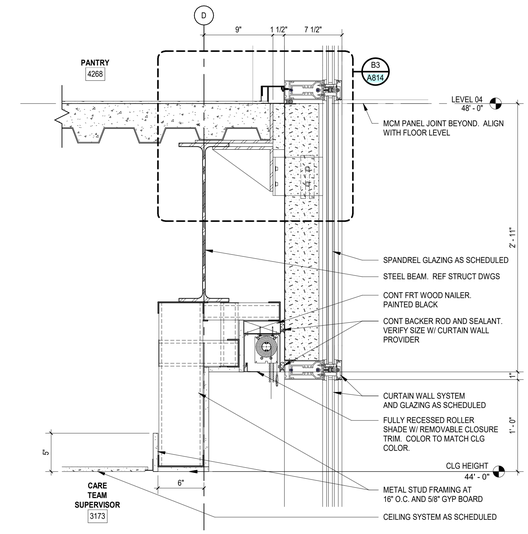
A2 / A331 **WALL SECTION - NORTH WEST @ STAFF ENTRY**

3/8" = 1'-0"



A1 / A331 **WALL SECTION - EAST @ LOADING DOOR**

3/8" = 1'-0"

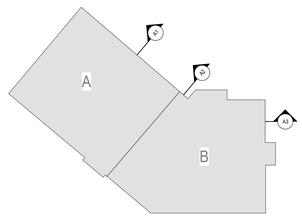


C1 / A331 **SECTION DETAIL - STAFF ENTRY AT LEVEL 4**

1 1/2" = 1'-0"

B1 / A331 **SECTION DETAIL - STAFF ENTRY AT LEVEL 3**

1 1/2" = 1'-0"



ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR STORED, ACCORDED TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17168 LEMARIE CONNOR 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:

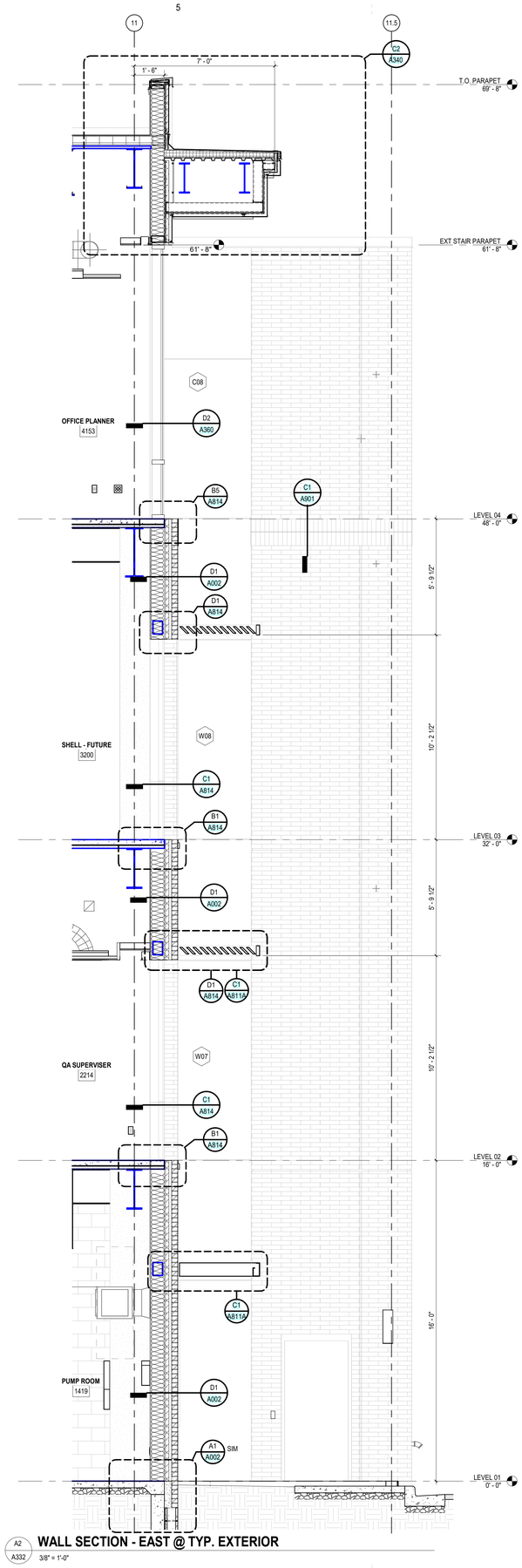
WALL SECTIONS

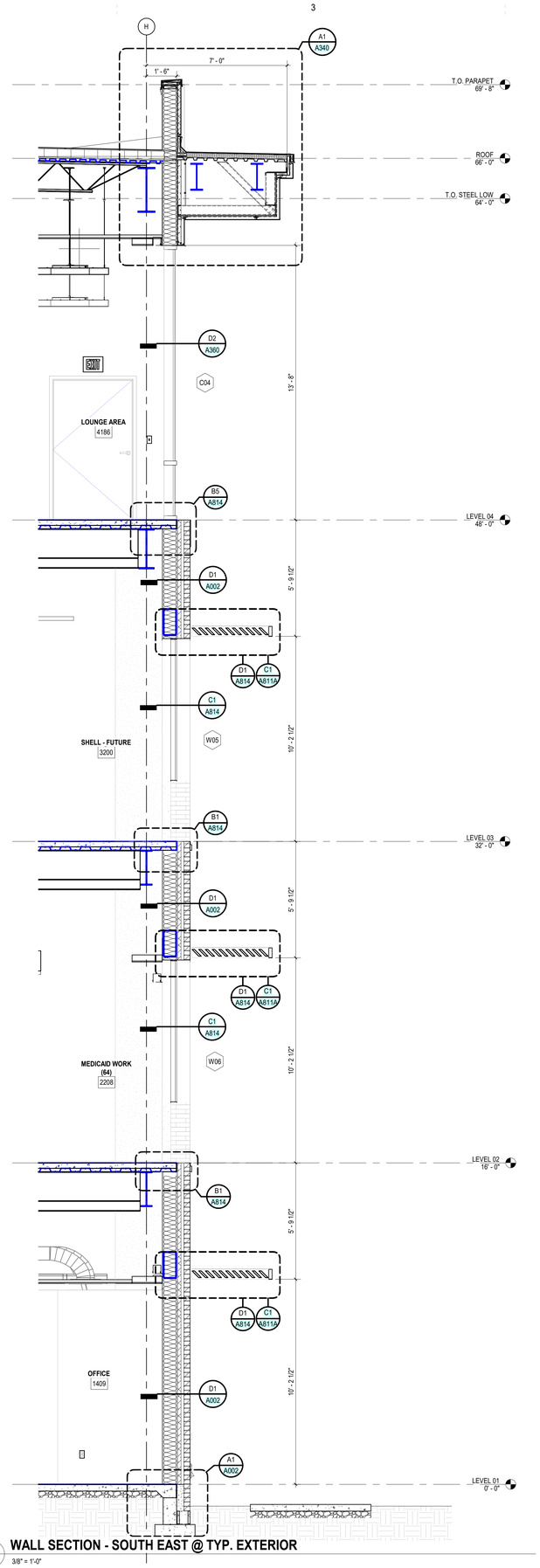
SHEET NO. A331

PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY IN THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. © COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

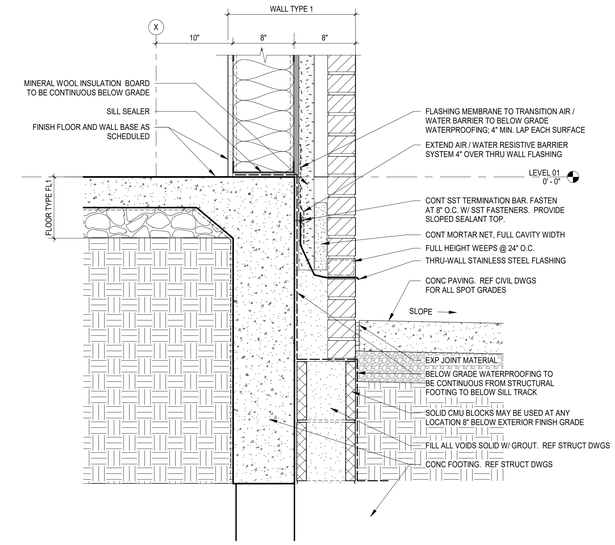
4/2/2026 12:15:58 PM Autodesk Docs://2025.03 @ Brunswick County Health & Human Services/BCHS_Brunswick County Health and Human Services_R25.rvt



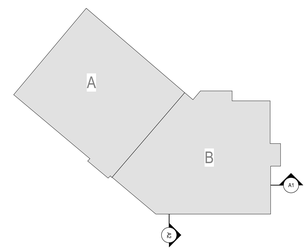


A2 / A332 **WALL SECTION - EAST @ TYP. EXTERIOR**
3/8" = 1'-0"

A1 / A332 **WALL SECTION - SOUTH EAST @ TYP. EXTERIOR**
3/8" = 1'-0"



B1 / A332 **ENLARGED SECTION OF NORTH WEST WALL @ HANDICAP WALKWAY**
1 1/2" = 1'-0"



mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, PC
CERT. NO. 54314
CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED
SEAL 17168
LEMARIE CONNELLY
02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

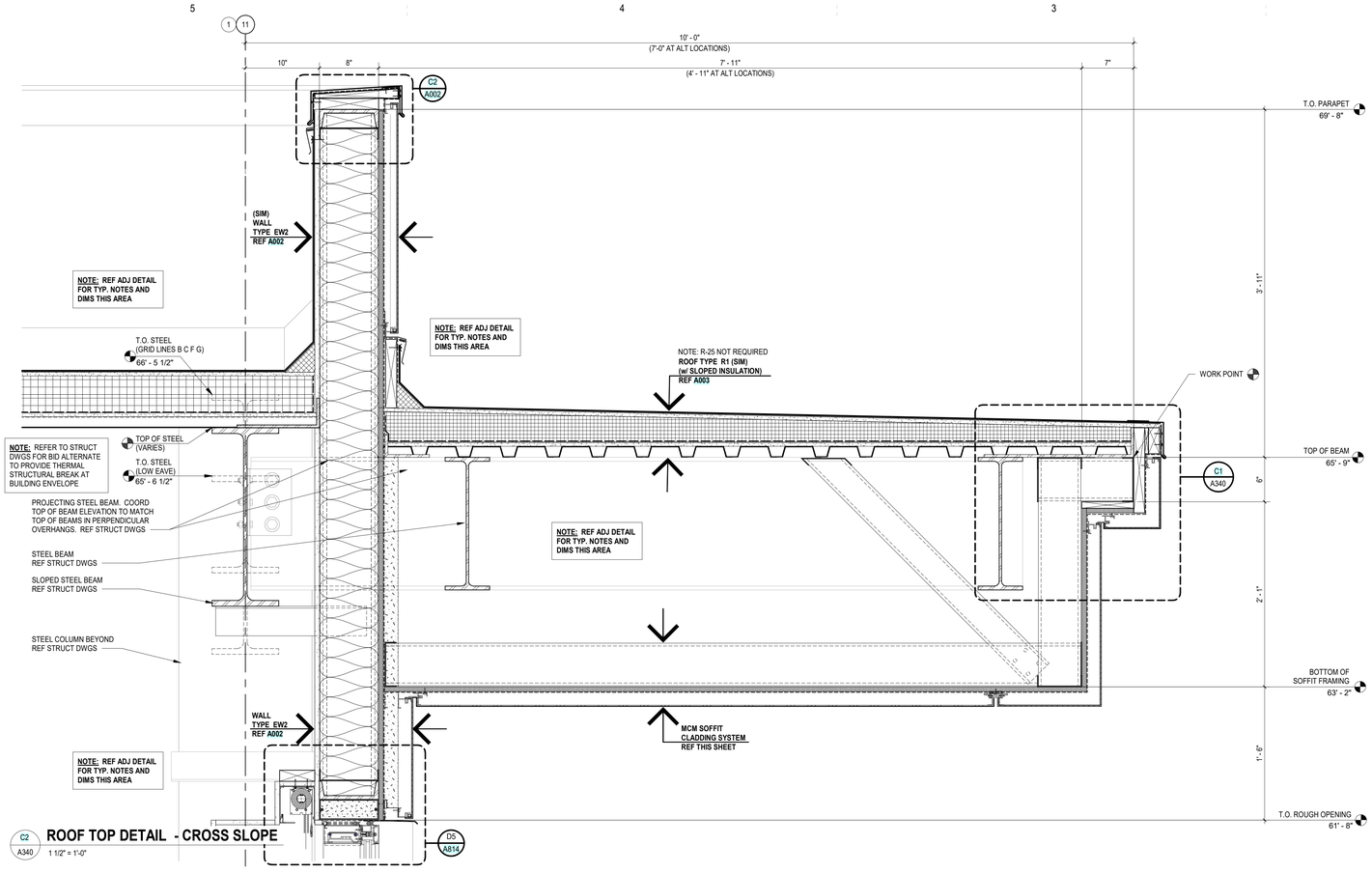
ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: GC/DK

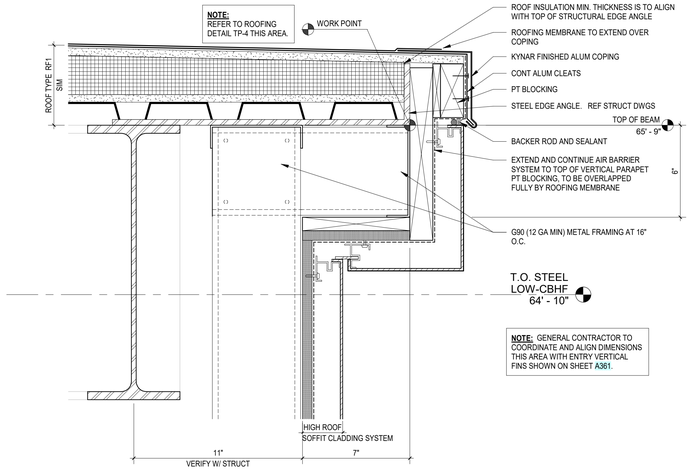
SHEET TITLE:
WALL SECTIONS

SHEET NO. A332
PROJ. NO. 024370.01



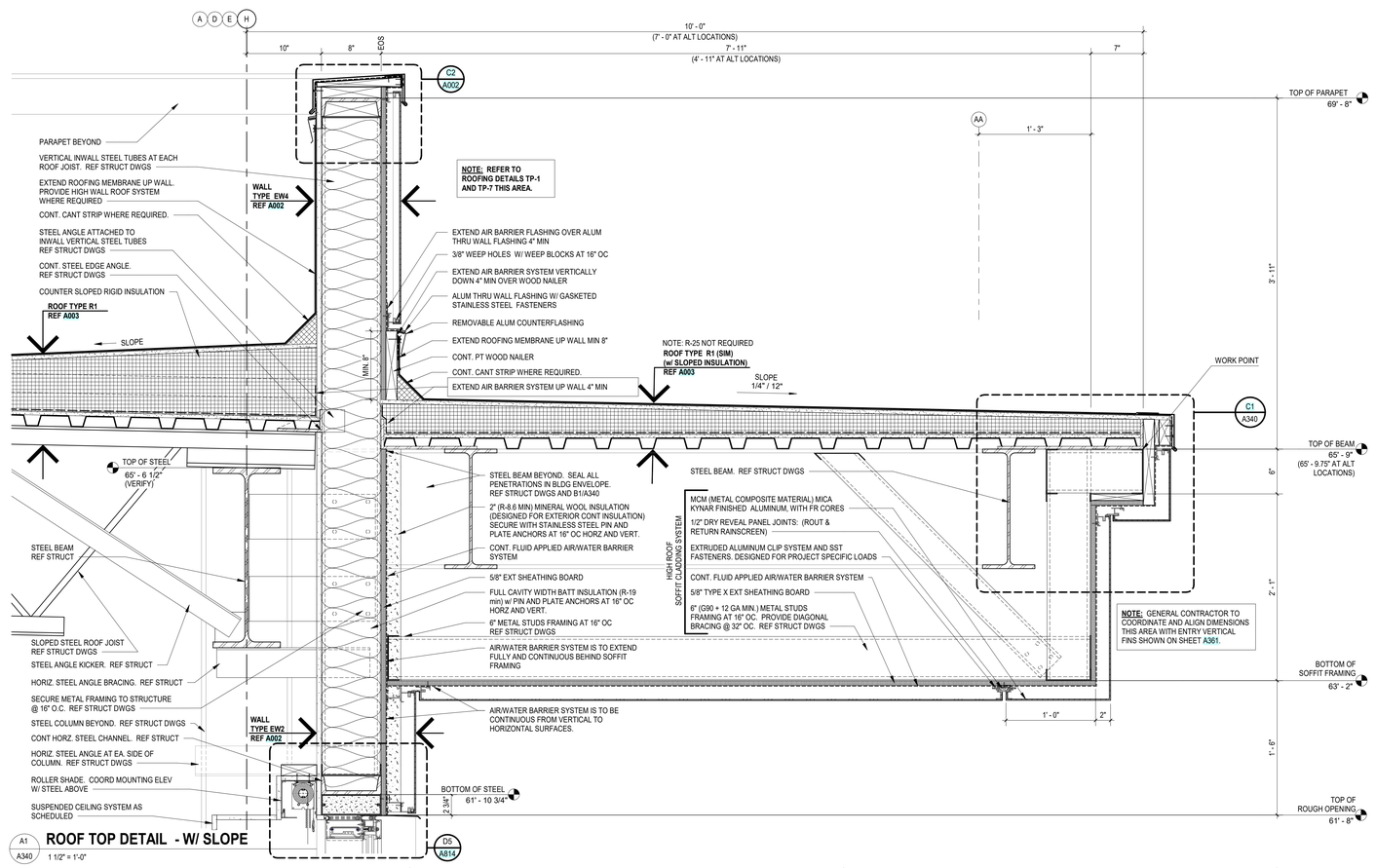
C2 A340 ROOF TOP DETAIL - CROSS SLOPE

1 1/2" = 1'-0"



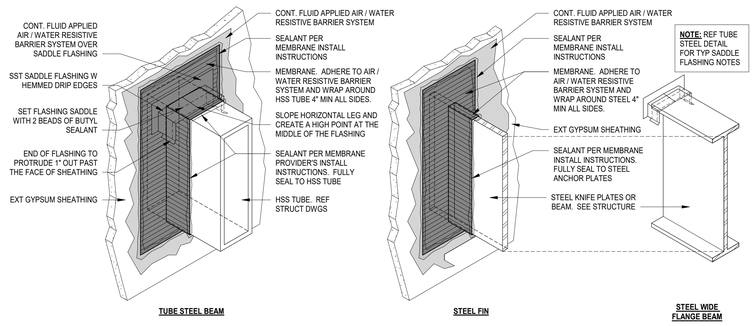
C1 A340 HIGH ROOF OVERHANG EAVE DETAIL

3" = 1'-0"



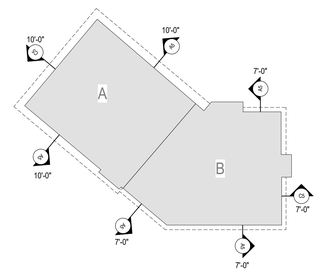
A1 A340 ROOF TOP DETAIL - W/ SLOPE

1 1/2" = 1'-0"



B1 A340 STEEL PENETRATION DETAILS

3" = 1'-0"



ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON MPS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF CONSTRUCTION CONTRACT BETWEEN OWNER AND CONTRACTOR, NO PART OF THESE MATERIALS MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE PRIOR WRITTEN PERMISSION OF MCMILLAN PAZDAN SMITH ARCHITECTURE. © COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, PC — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED — SEAL 17168 — LEE MARIE CORMIER — 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

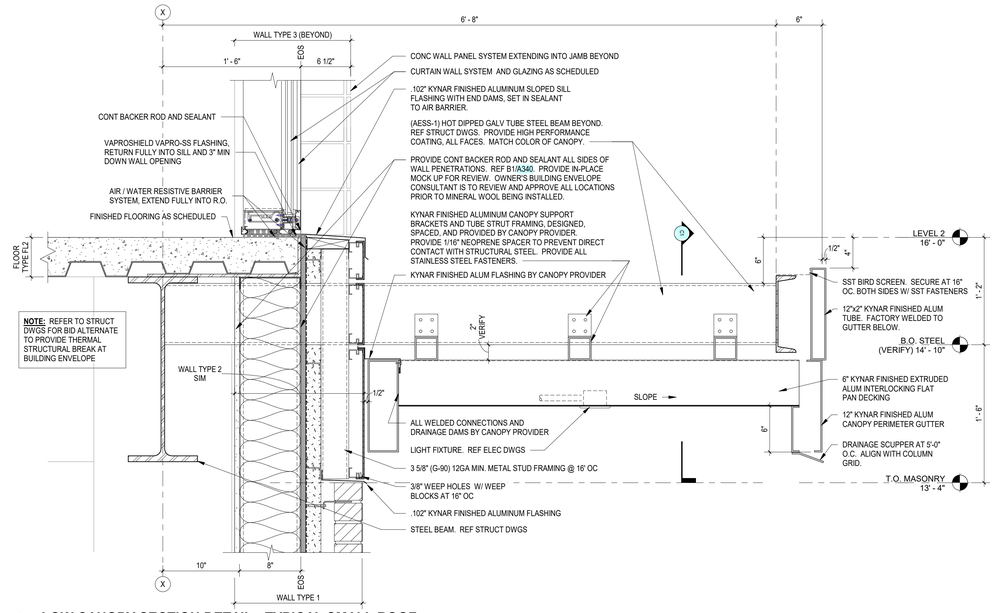
ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

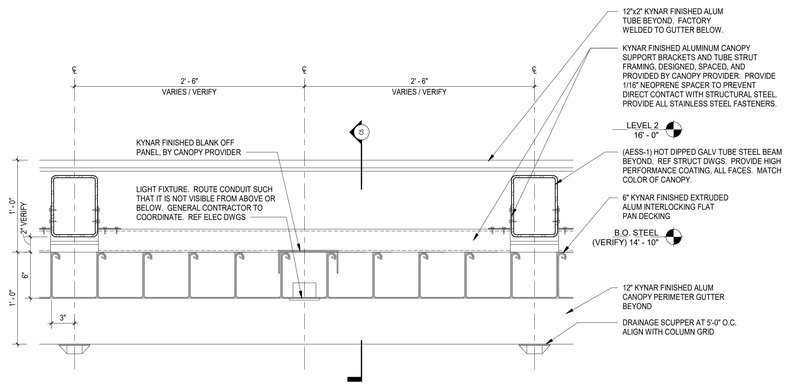
SHEET TITLE:
SECTION DETAILS @ ROOF CONDITIONS

SHEET NO. A340
PROJ. NO. 024370.01



D2 A341 **LOW CANOPY SECTION DETAIL - TYPICAL SMALL ROOF**

1 1/2" = 1'-0"



D1 A341 **LOW CANOPY CROSS SECTION - TYPICAL SMALL ROOF**

1 1/2" = 1'-0"

B2 A341 **LOW CANOPY LOUVER SECTION DETAIL**

1 1/2" = 1'-0"

B1 A341 **LOW CANOPY LOUVER CROSS SECTION**

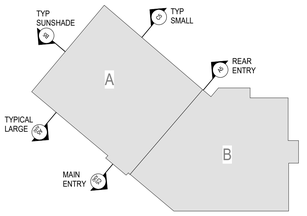
1 1/2" = 1'-0"

A2 A341 **LOW CANOPY SECTION DETAIL - REAR STAFF ENTRY**

1 1/2" = 1'-0"

A1 A341 **LOW CANOPY TO SUNSHADE CROSS SECTION**

1 1/2" = 1'-0"



ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE DISCLOSED TO OTHERS OR USED IN WHOLE OR IN PART FOR ANY OTHER PROJECT, EXTENSION TO THIS PROJECT, OR ANY OTHER PROJECT WITHOUT THE PRIOR WRITTEN AGREEMENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. VISUAL CONTACT WITH THESE DRAWINGS OR OTHER MATERIALS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS. ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING COPYRIGHT, ARE RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, PC CERT. NO. 54314 REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17168 ENGINEER JEAN MARIE CONNOLLY 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: GC/DK

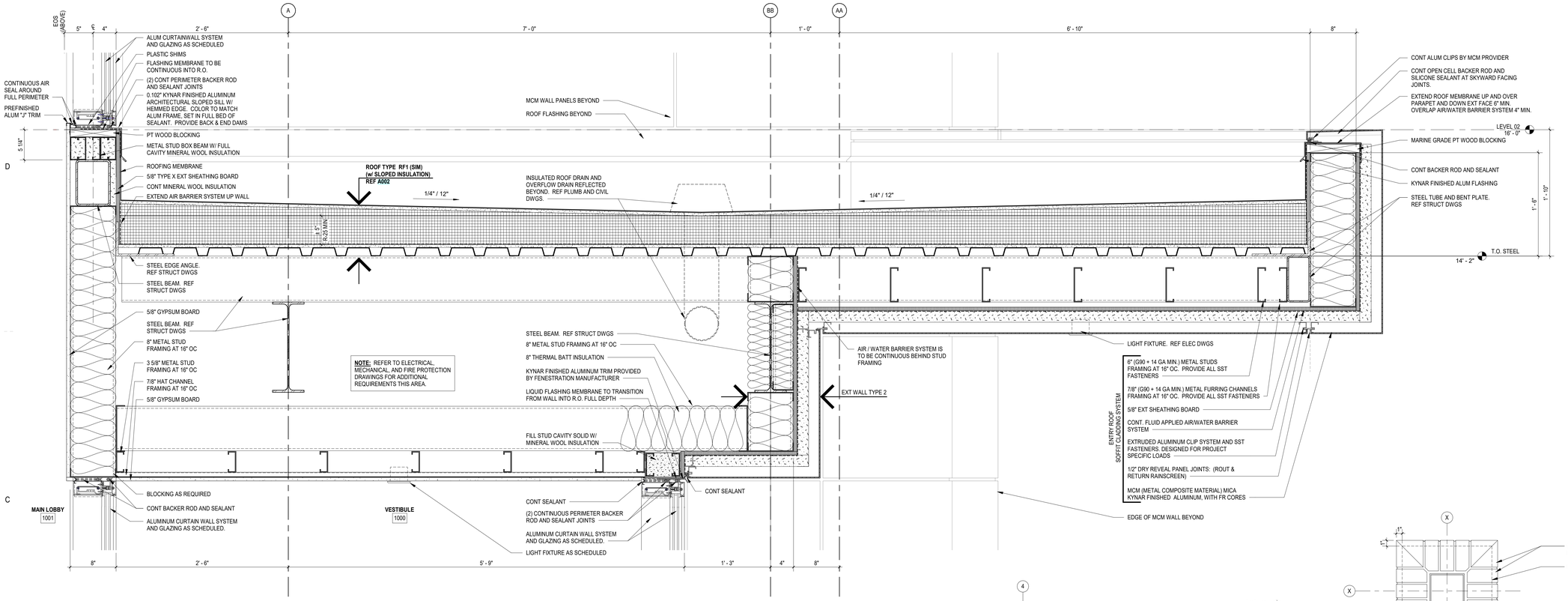
SHEET TITLE:

SECTION DETAILS @ SUNSHADES AND CANOPY

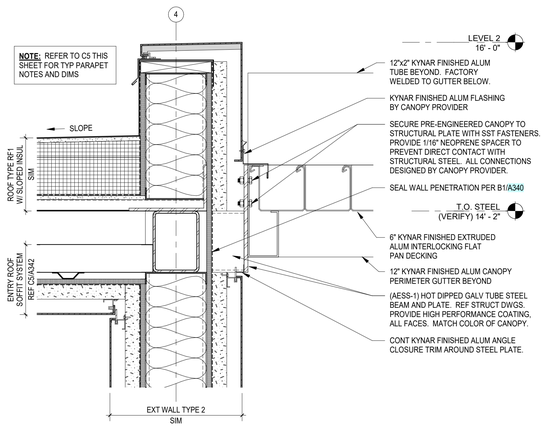
SHEET NO. A341

PROJ. NO. 024370.01

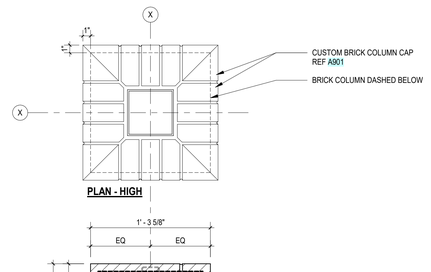
4/2/2026 12:34:19 PM - Autodesk Docs://2025-03 @ Brunswick County Health & Human Services/BCHS - Brunswick County Health and Human Services_R25_cl...
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON THE PROJECT AND SET FORTH IN THE CONTRACT BETWEEN THE OWNER AND MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH.
ALL RIGHTS RESERVED



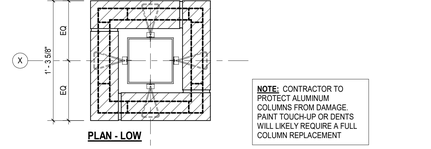
C1 / A342 **LOW CANOPY SECTION DETAIL - MAIN ENTRY**
1 1/2" = 1'-0"



B1 / A342 **LOW CANOPY TO ENTRY SECTION DETAIL**
1 1/2" = 1'-0"

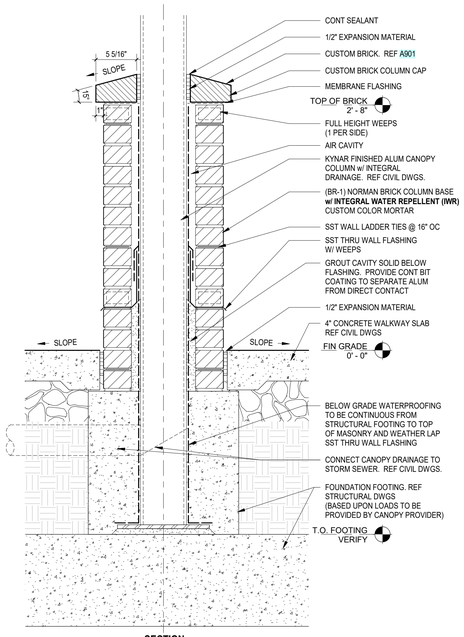


PLAN - HIGH



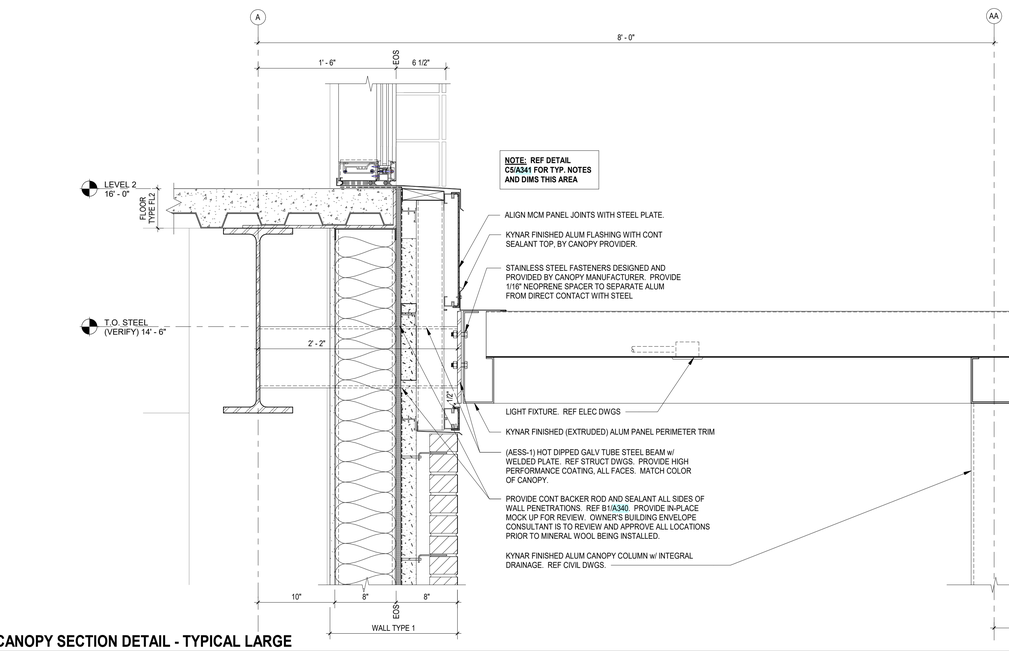
PLAN - LOW

NOTE: CONTRACTOR TO PROTECT ALUMINUM COLUMNS FROM DAMAGE. PAINT TOUCH-UP OR DENTS WILL LIKELY REQUIRE A FULL COLUMN REPLACEMENT



SECTION

A1 / A342 **ENTRY COLUMN DETAILS**
1 1/2" = 1'-0"



A2 / A342 **LOW CANOPY SECTION DETAIL - TYPICAL LARGE**
1 1/2" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, PC — CERT. NO. S4314 — REGISTERED ARCHITECTURAL CORPORATION — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17168 LEANNE MARIE CONNELLY 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
SECTION DETAILS @ CANOPY

SHEET NO. A342
PROJ. NO. 024370.01

GENERAL NOTES - PILASTERS

1. STRUCTURAL STEEL COLUMN SIZES VARY. REFER TO STRUCT DWGS.

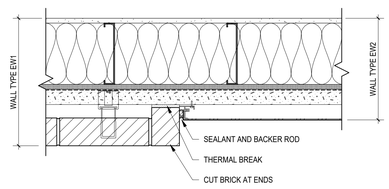
2. PROVIDE (SC-3) 3-5/8" METAL STUD FRAMING WHERE CLEARANCES PERMIT. PROVIDE SMALLER (SC-#) STUD FRAMING WHERE REQUIRED TO MAINTAIN DIMENSIONS NOTED. BRACE TO STRUCTURE AS REQUIRED.

3. PILASTERS ARE TO EXTEND TIGHT TO THE DECK IN ALL LOCATIONS, REGARDLESS OF SCHEDULED CEILING SYSTEM HEIGHTS

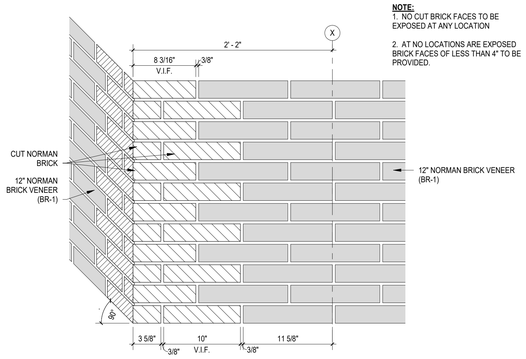
4. ACOUSTICAL BATT INSULATION IS NOT REQUIRED FOR PILASTERS THAT DO NOT CONNECT TO OTHER INTERIOR WALLS.

5. PROVIDE MULTI-PHASE IN-PLACE MOCK UPS OF CONDITIONS SHOWN ON A1, B1, C1, D1 THIS SHEET.
   PHASE 1 MOCK-UP: CHALK LINES ON SLAB (INCLUDING ALL ANGLE BRACING)
   PHASE 2 MOCK-UP: PIPING AND METAL FRAMING

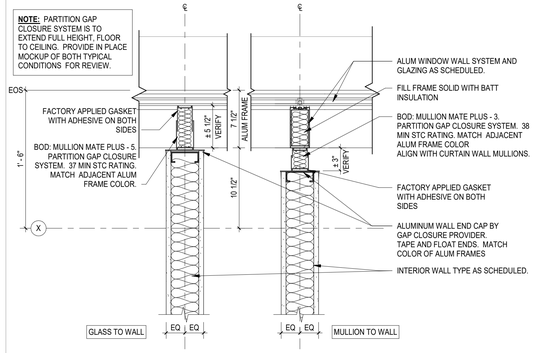
6. FIELD VERIFY ALL CLEARANCE REQUIREMENTS (INCLUDING ANGLE BRACING) PRIOR TO DRILLING ANY SLAB PENETRATIONS FOR DRAINAGE PIPING.



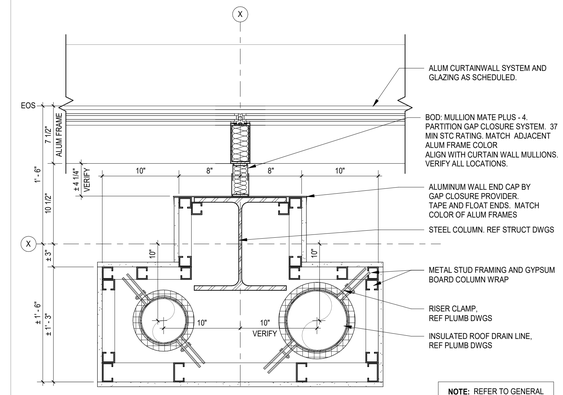
D4 / A360 — **EXT WALL TYPE EW1C / EW2C - WALL TRANSITION** — 1 1/2" = 1'-0"



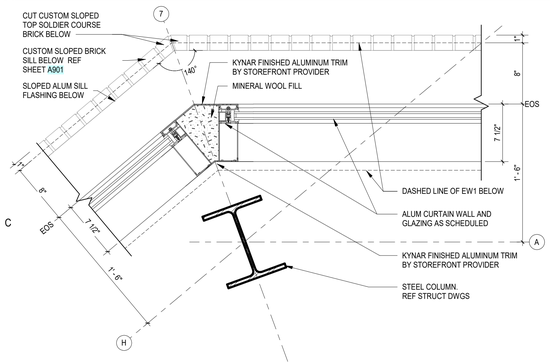
D3 / A360 — **WALL TYPE EW1 - TYPICAL BRICK 90°CORNER DETAIL** — 1 1/2" = 1'-0"



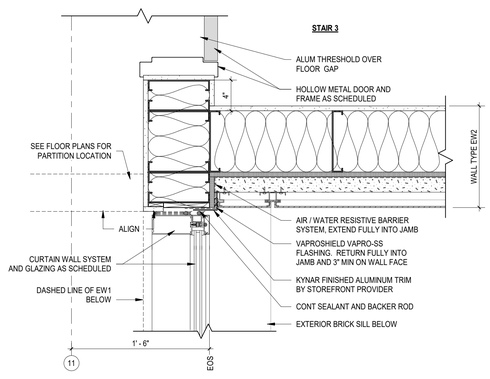
D2 / A360 — **PLAN DETAIL - WALL TO WINDOWS** — 1 1/2" = 1'-0"



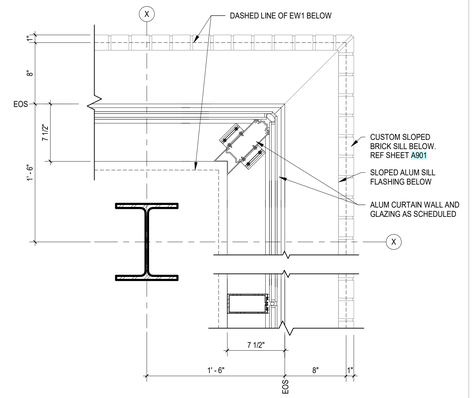
D1 / A360 — **ROOF DRAINAGE DETAIL - 4TH LEVEL** — 1 1/2" = 1'-0"



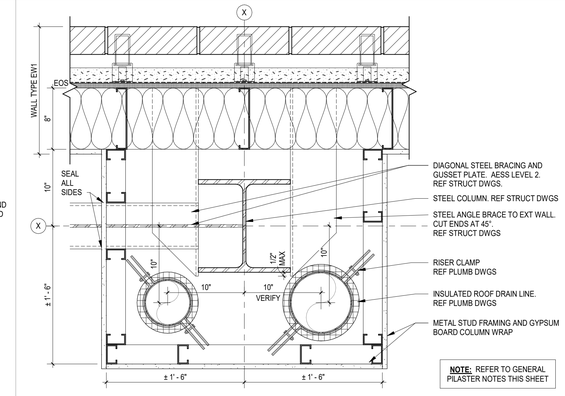
C4 / A360 — **EXT ANGLED CORNER @ LEVEL 4** — 1 1/2" = 1'-0"



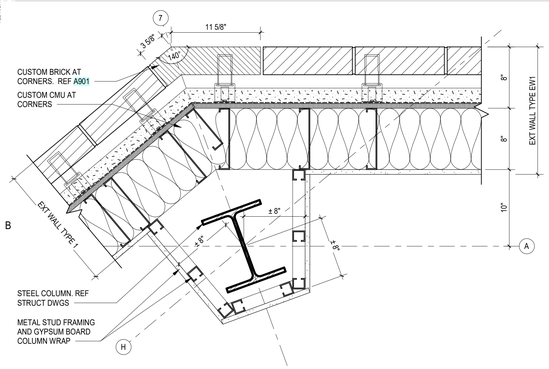
C3 / A360 — **EXT WALL TYPE EW2 - EXT CORNER DETAIL AT STAIR 3 - LEVEL 4** — 1 1/2" = 1'-0"



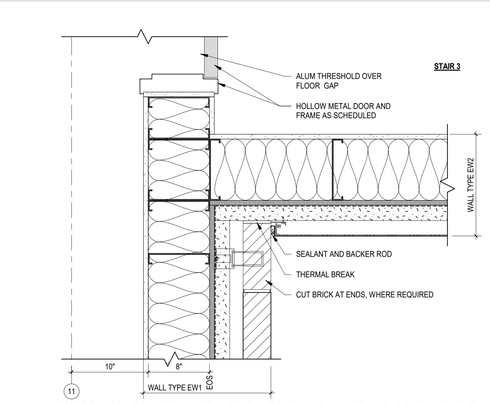
C2 / A360 — **EXT CORNER @ LEVEL 04** — 1 1/2" = 1'-0"



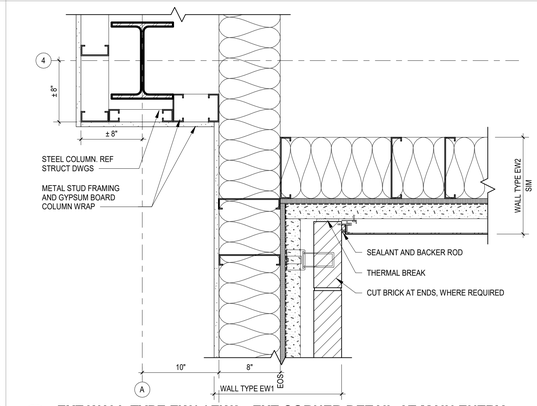
C1 / A360 — **EXT WALL TYPE EW1 - ROOF DRAINAGE DETAIL - TYP W/ CROSS BRACING** — 1 1/2" = 1'-0"



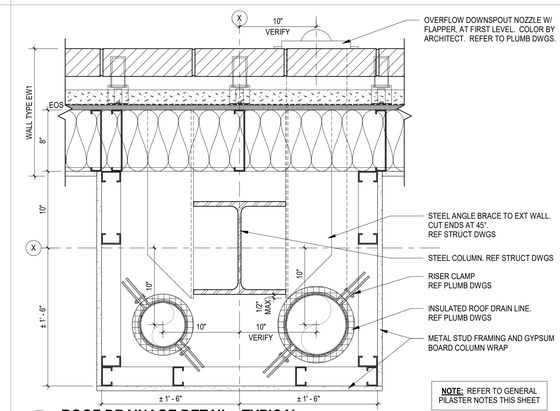
B4 / A360 — **EXT WALL TYPE EW1 - EXT ANGLED CORNER DETAIL** — 1 1/2" = 1'-0"



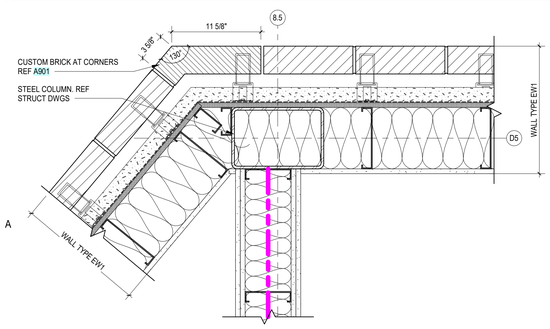
B3 / A360 — **EXT WALL TYPE EW1 / EW2 - EXT CORNER DETAIL AT STAIR 3 - LEVELS 1-3** — 1 1/2" = 1'-0"



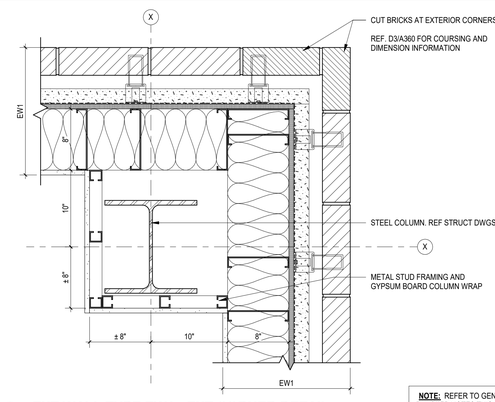
B2 / A360 — **EXT WALL TYPE EW1 / EW2 - EXT CORNER DETAIL AT MAIN ENTRY** — 1 1/2" = 1'-0"



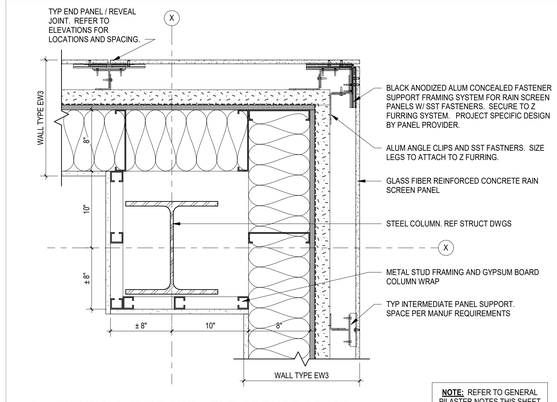
B1 / A360 — **ROOF DRAINAGE DETAIL - TYPICAL** — 1 1/2" = 1'-0"



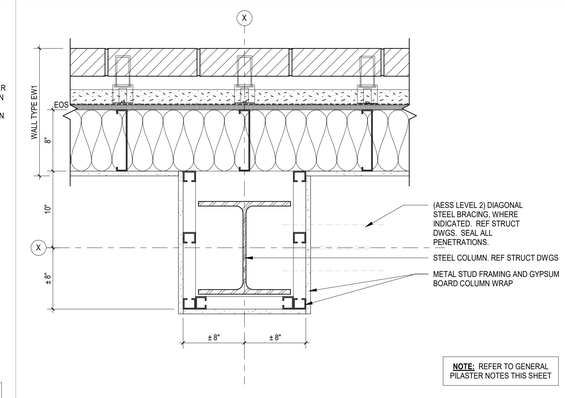
A4 / A360 — **EXT WALL TYPE EW1 - EXT ANGLED CORNER DETAIL AT STAIR 2** — 1 1/2" = 1'-0"



A3 / A360 — **EXT WALL TYPE EW1 - EXT CORNER DETAIL** — 1 1/2" = 1'-0"



A2 / A360 — **EXT WALL TYPE EW3 - EXT CORNER DETAIL** — 1 1/2" = 1'-0"



A1 / A360 — **EXT WALL TYPE EW1 - INTERIOR COLUMN WRAP DETAIL - TYPICAL** — 1 1/2" = 1'-0"

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE ARCHITECTURAL DRAWINGS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF SIGNING CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE
EDIFICE CONSTRUCTION
MPS ARCHITECTS, PC — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA
NORTH CAROLINA REGISTERED — SEAL 17168 — MARIE CONNOLLY
02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: D. KIM

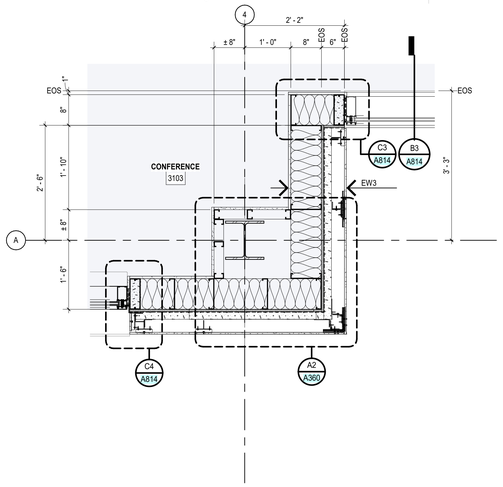
SHEET TITLE:
PLAN DETAILS

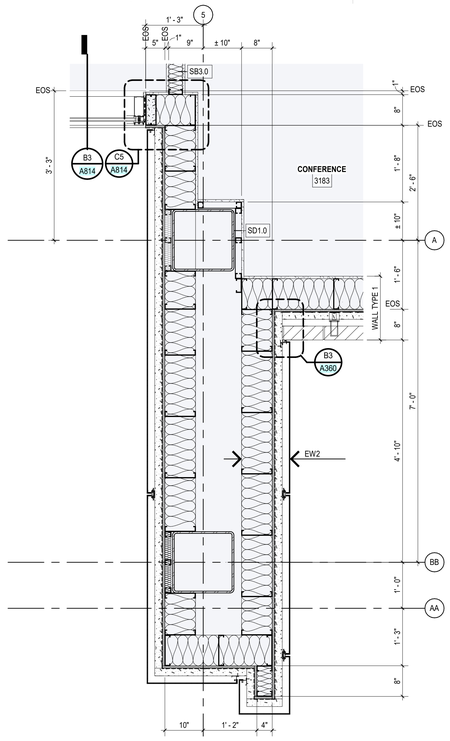
SHEET NO. A360
PROJ. NO. 024370.01

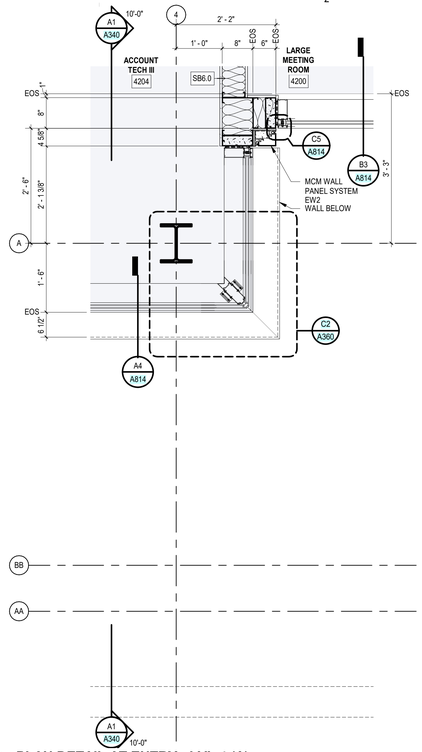
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR STORED, ACCURATELY DATED TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE COPYRIGHT OR OTHER RESERVED RIGHTS. © COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED.

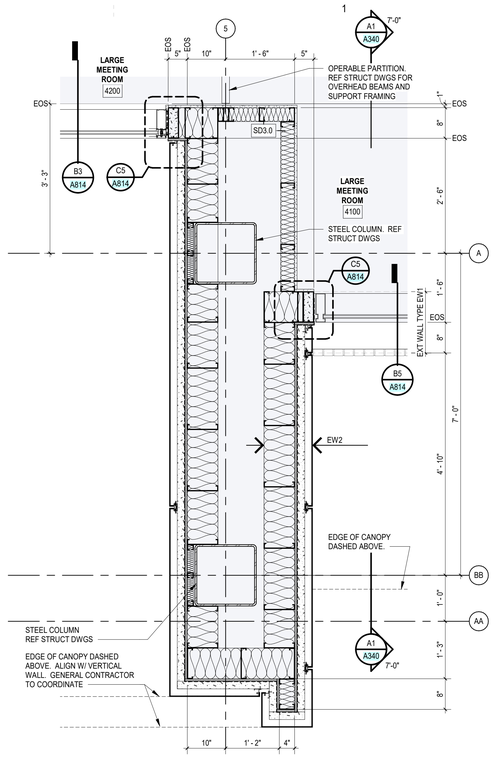
PLAN DETAIL LEGEND

FLOOR SLAB
VERIFY AND COORDINATE
SLAB EDGE WITH STRUCT DWGS









C4 A361 PLAN DETAIL AT ENTRY - LVL 3 (A)

3/4" = 1'-0"

C3 A361 PLAN DETAIL AT ENTRY - LVL 3 (B)

3/4" = 1'-0"

C2 A361 PLAN DETAIL AT ENTRY - LVL 4 (A)

3/4" = 1'-0"

C1 A361 PLAN DETAIL AT ENTRY - LVL 4 (B)

3/4" = 1'-0"

A4 A361 PLAN DETAIL AT ENTRY - LVL 1 (A)

3/4" = 1'-0"

A3 A361 PLAN DETAIL AT ENTRY - LVL 1 (B)

3/4" = 1'-0"

A2 A361 PLAN DETAIL AT ENTRY - LVL 2 (A)

3/4" = 1'-0"

A1 A361 PLAN DETAIL AT ENTRY - LVL 2 (B)

3/4" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, PC
CERT. NO. S4314
REGISTERED ARCHITECTURAL CORPORATION
NORTH CAROLINA
CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED
SEAL 17168
ANNE MARIE CONNELLY
02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

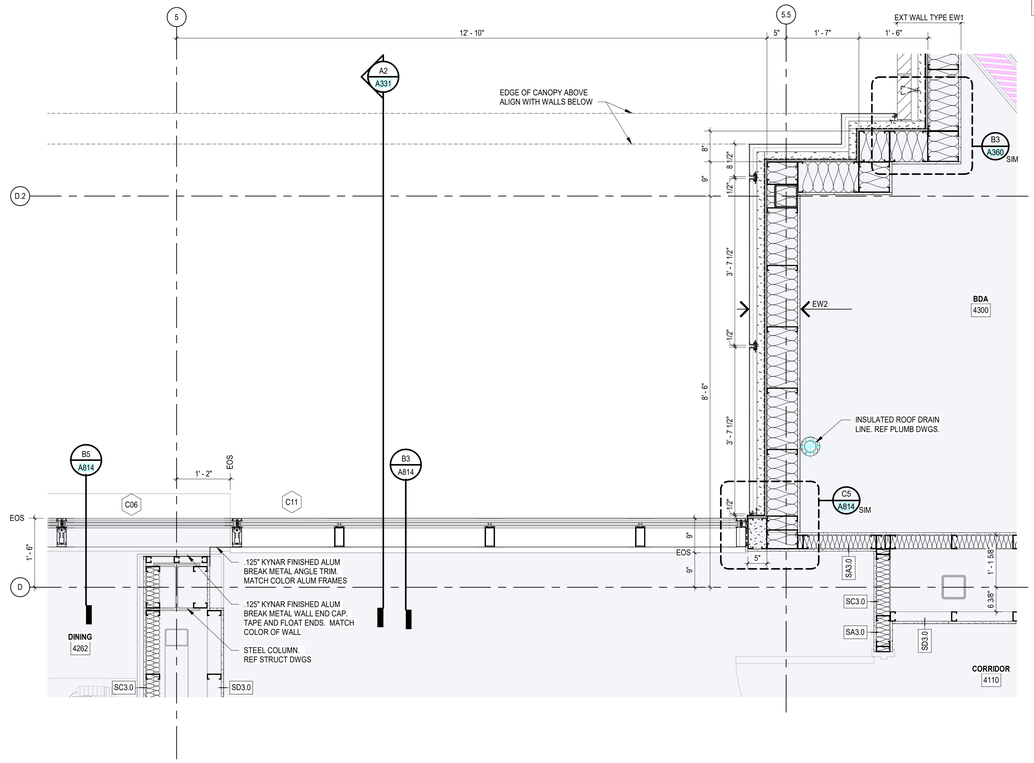
SHEET TITLE:
PLAN DETAILS

SHEET NO. A361

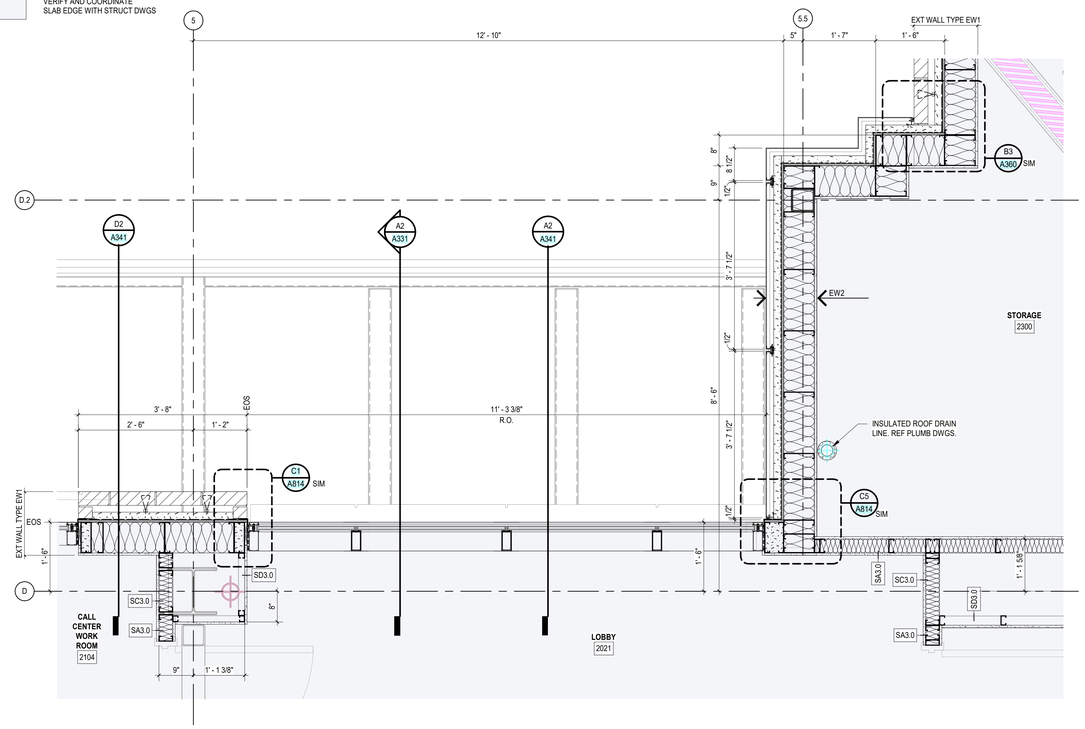
PROJ. NO. 024370.01

PLAN DETAIL LEGEND

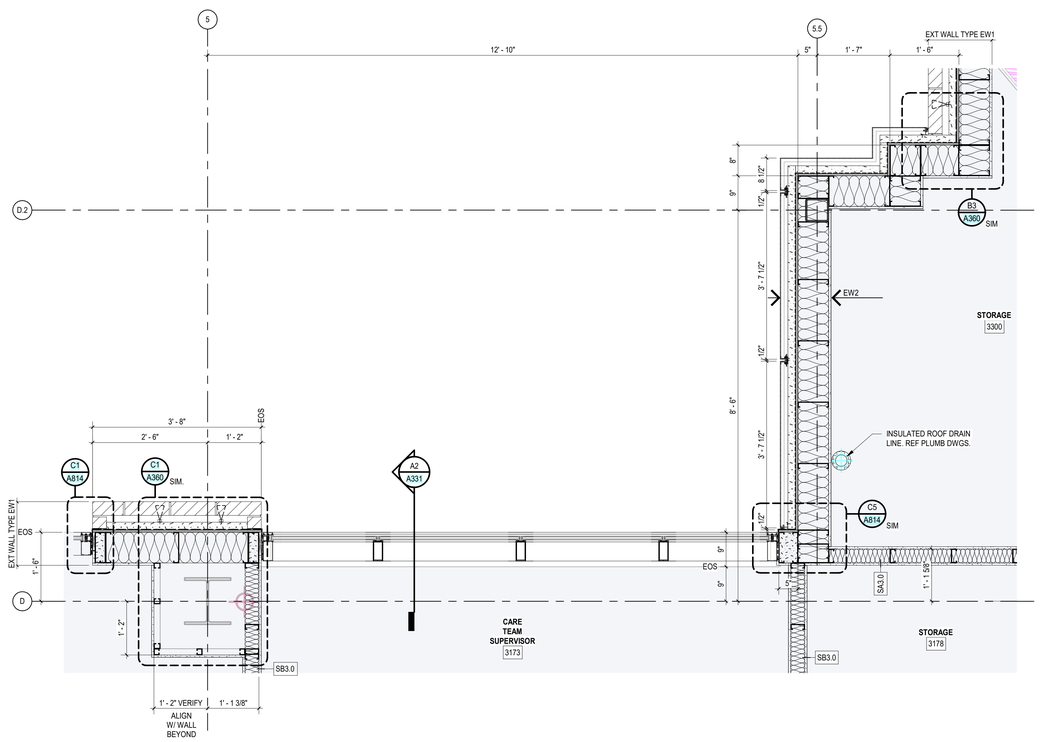
FLOOR SLAB
VERIFY AND COORDINATE
SLAB EDGE WITH STRUCT DWGS



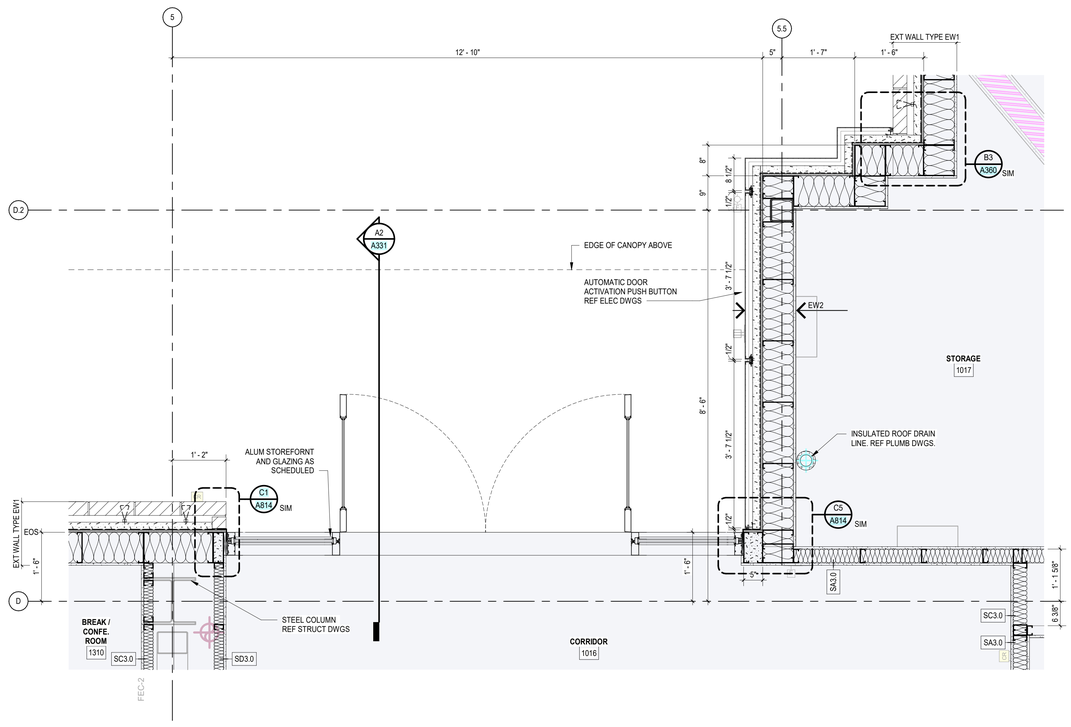
C2 A362 **PLAN DETAIL AT REAR ENTRY - LEVEL 4**
3/4" = 1'-0"



C1 A362 **PLAN DETAIL AT REAR ENTRY - LEVEL 2**
3/4" = 1'-0"



A2 A362 **PLAN DETAIL AT REAR ENTRY - LEVEL 3**
3/4" = 1'-0"



A1 A362 **PLAN DETAIL AT REAR ENTRY - LEVEL 1**
3/4" = 1'-0"

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON ANY PROJECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT WITH THE EXCEPTION OF SIGNING CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLE ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. © COPYRIGHT 2025 MCMILLAN PAZDAN SMITH.
ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17168 JEFFREY MARIE CONNOLLY 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

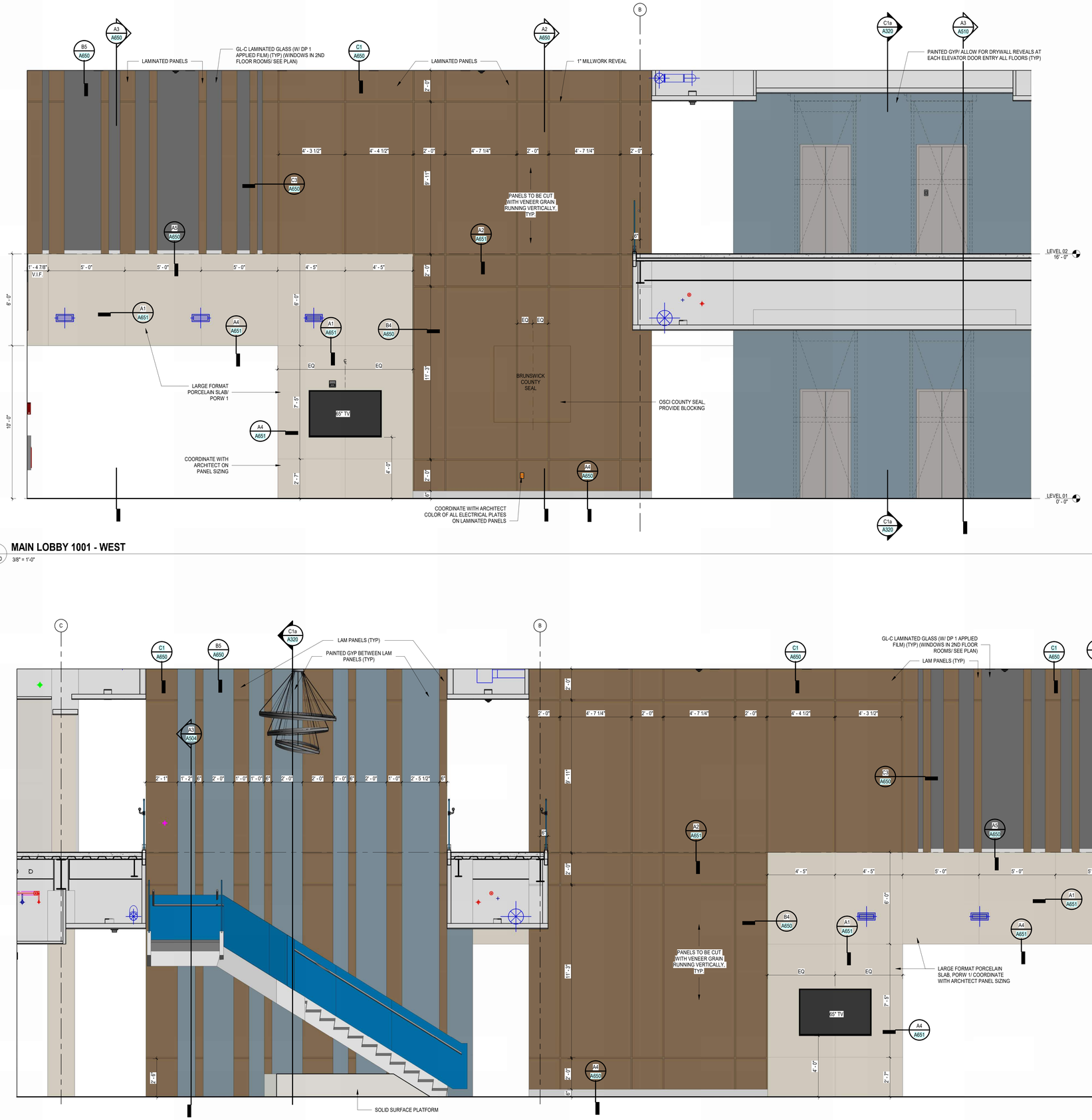
ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: D. KIM

SHEET TITLE:
PLAN DETAILS

SHEET NO. A362
PROJ. NO. 024370.01



C1 / A400 **MAIN LOBBY 1001 - WEST**

3/8" = 1'-0"

A1 / A400 **MAIN LOBBY 1001 - EAST**

3/8" = 1'-0"

MILLWORK GENERAL NOTE

1. PAPER TOWEL (TA-18) AND SOAP (TA -04) TO BE LOCATED AT ALL SINK LOCATIONS. SEE ELEVATIONS FOR PLACEMENT. SEE A421 FOR TOILET ACCESSORY INFORMATION.
2. SEE DETAILS AND REFLECTED CEILING PLANS FOR SOFFIT TYPE AT UPPER CABINET LOCATIONS.
3. REFER TO FINISH SHEETS, MATERIAL LIST, AND MILLWORK SECTIONS FOR MILLWORK AND COUNTERTOP FINISHES.
4. REFER TO A421 FOR TOILET ACCESSORY MOUNTING LEGEND FOR VERTICAL AND HORIZONTAL PLACEMENT OF ALL ACCESSORIES U.N.O.
5. SEE A001 FOR DIMENSIONS OF WHEELCHAIR TURNING SPACE

A400 SERIES KEYNOTES

Sheet Series	Number	400 SERIES KEYED NOTES
A400	1	1/2" TOE KICK AT THIS LOCATION. SEE DETAIL C5/A621.
A400	2	RAKKS BRACKET EHR-1818. UNDERCOUNTER SUPPORT BRACKETS ARE NOT TO EXCEED 3' SPACING IN ALL LOCATIONS U.N.O. ALL BRACKETS ARE TO BE PAINTED TO MATCH ADJACENT SURAFACES U.N.O.
A400	3	PROVIDE FINISHED PANEL AT OPEN FACE OF MILLWORK
A400	4	BASE AS SCHEDULED
A400	5	FILLER PANEL NOT TO EXCEED 1.5 INCHES U.N.O
A400	7	WATER BOX
A400	8	SOLID SURFACE SPLASH GUARD SEE A621/C2
A400	9	PROVIDE BLOCKING AS REQUIRED. COORDINATE POWER AND DATA WITH MEP DRAWINGS.
A400	10	PROVIDE LOCK AND KNOB HANDLE ON STAFF SIDE AT SLIDING WINDOW
A400	11	ALIGN
A400	12	TASK LIGHTING
A400	13	EYEWASH STATION. SEE PLUMBING DRAWINGS FOR ADDTIONAL INFORMATION
A400	14	GROMMET AS REQUIRED, COORDINATE LOCATION WITH OWNER

LEGEND

- A — WINDOW / CURTAIN WALL TAG
- SA3.0 — WALL TAG
- 01 — KEYNOTE
- TA-1 — TOILET ACCESSORY TAG SEE A421 FOR SCHEDULE
- EQ-XX — EQUIPMENT TAG SEE A900 SERIES
- TC — TIME CLOCK OFCI

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. — CERTIFIED ARCHITECTURAL CORPORATION — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 37108 LAURA MARIE CONNELLY 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/26	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:

ENLARGED PLANS & ELEVATIONS - LOBBY

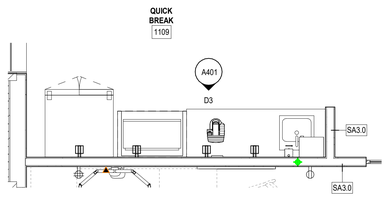
SHEET NO. A400

PROJ. NO. 024370.01

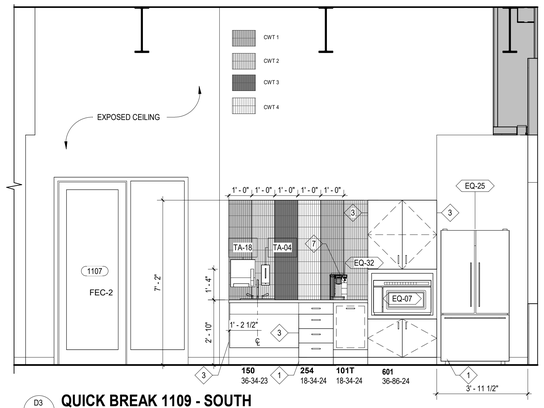
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON AND WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR MUST BE ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY IN THE EXCEPTION OF THE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT DO NOT CONSTITUTE PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

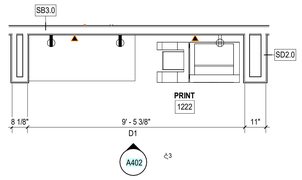
5/2/2026 12:17:57 PM Autodesk Docs://BRUNSWICK Bruns...Central County Health and Human Services/BRUNSWICK_Brunswick County Health and Human Services_R25_v1.rvt



D4 / A401 **ENLARGED PLAN - QUICK BREAK 1107A**
3/8" = 1'-0"



D3 / A401 **QUICK BREAK 1109 - SOUTH**
3/8" = 1'-0"



D2 / A401 **ENLARGED PLAN - PRINT 1222**
3/8" = 1'-0"



D1 / A401 **CHECK IN/OUT 1121 RENDERING (LOBBY SIDE)**
3/8" = 1'-0"

MILLWORK GENERAL NOTE

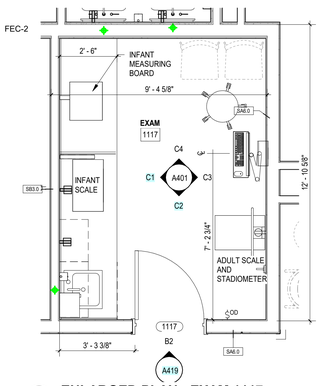
1. PAPER TOWEL (TA-18) AND SOAP (TA -04) TO BE LOCATED AT ALL SINK LOCATIONS. SEE ELEVATIONS FOR PLACEMENT. SEE A421 FOR TOILET ACCESSORY INFORMATION.
2. SEE DETAILS AND REFLECTED CEILING PLANS FOR SOFFIT TYPE AT UPPER CABINET LOCATIONS.
3. REFER TO FINISH SHEETS, MATERIAL LIST, AND MILLWORK SECTIONS FOR MILLWORK AND COUNTERTOP FINISHES.
4. REFER TO A421 FOR TOILET ACCESSORY MOUNTING LEGEND FOR VERTICAL AND HORIZONTAL PLACEMENT OF ALL ACCESSORIES U.N.O.
5. SEE A001 FOR DIMENSIONS OF WHEELCHAIR TURNING SPACE

A400 SERIES KEYNOTES

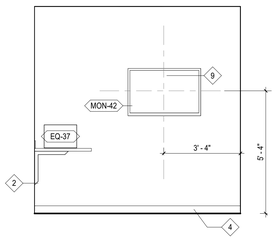
Sheet Series	Number	400 SERIES KEYED NOTES
A400	1	1/2" TOE KICK AT THIS LOCATION. SEE DETAIL C5/A621.
A400	2	RAKKS BRACKET EHR-1818. UNDERCOUNTER SUPPORT BRACKETS ARE NOT TO EXCEED 3' SPACING IN ALL LOCATIONS U.N.O. ALL BRACKETS ARE TO BE PAINTED TO MATCH ADJACENT SURAFACES U.N.O.
A400	3	PROVIDE FINISHED PANEL AT OPEN FACE OF MILLWORK
A400	4	BASE AS SCHEDULED
A400	5	FILLER PANEL NOT TO EXCEED 1.5 INCHES U.N.O
A400	7	WATER BOX
A400	8	SOLID SURFACE SPLASH GUARD SEE A621/C2
A400	9	PROVIDE BLOCKING AS REQUIRED. COORDINATE POWER AND DATA WITH MEP DRAWINGS.
A400	10	PROVIDE LOCK AND KNOB HANDLE ON STAFF SIDE AT SLIDING WINDOW
A400	11	ALIGN
A400	12	TASK LIGHTING
A400	13	EYEWASH STATION. SEE PLUMBING DRAWINGS FOR ADDTIONAL INFORMATION
A400	14	GROMMET AS REQUIRED, COORDINATE LOCATION WITH OWNER

LEGEND

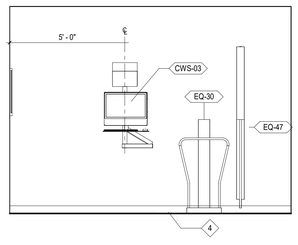
- A — WINDOW / CURTAIN WALL TAG
- SA3.0 — WALL TAG
- 01 — KEYNOTE
- TA-1 — TOILET ACCESSORY TAG SEE A421 FOR SCHEDULE
- EQ-XX — EQUIPMENT TAG SEE A000 SERIES
- TC — TIME CLOCK OFCI



C5 / A401 **ENLARGED PLAN - EXAM 1117**
3/8" = 1'-0"

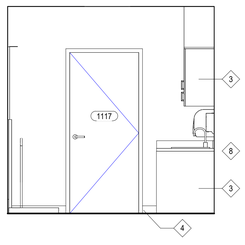


C4 / A401 **EXAM 1117 - NORTH**
3/8" = 1'-0"

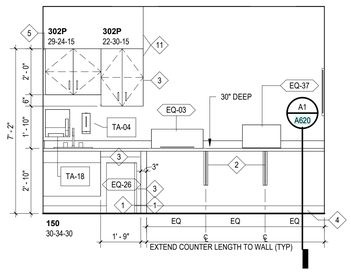


C3 / A401 **EXAM 1117 - EAST**
3/8" = 1'-0"

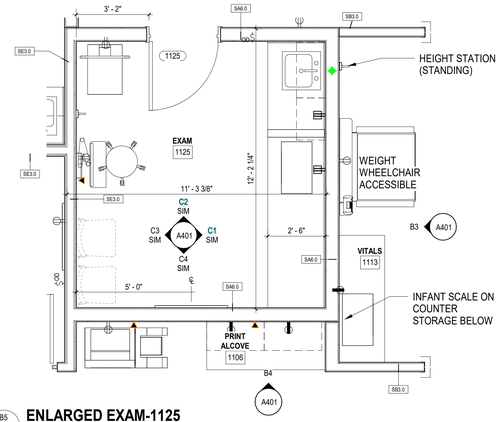
FEC-2



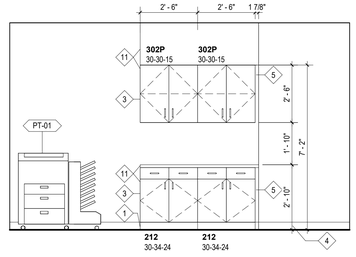
C2 / A401 **EXAM 1117 - SOUTH**
3/8" = 1'-0"



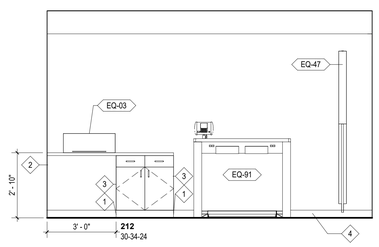
C1 / A401 **EXAM 1117 WEST (TYP FOR EXAM 1115 &1125)**
3/8" = 1'-0"



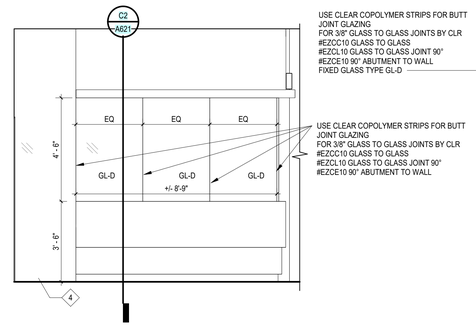
B5 / A401 **ENLARGED EXAM-1125**
3/8" = 1'-0"



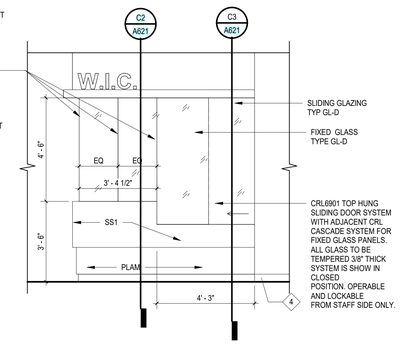
B4 / A401 **PRINT ALCOVE 1106 - NORTH**
3/8" = 1'-0"



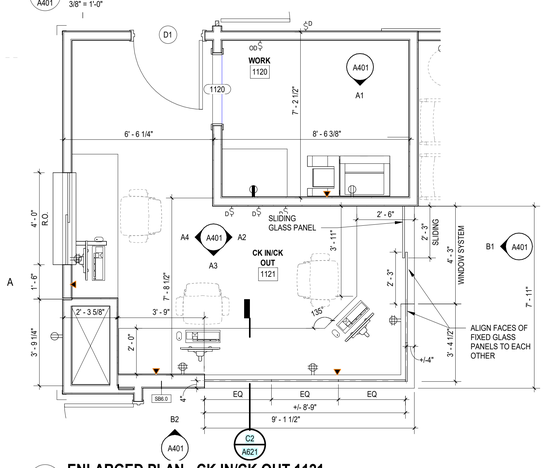
B3 / A401 **VITALS 1113 - WEST**
3/8" = 1'-0"



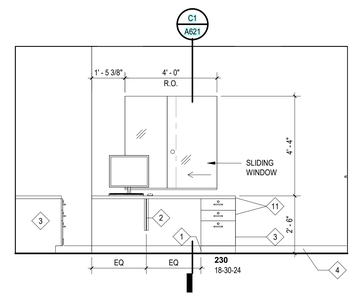
B2 / A401 **CK IN/ CK OUT 1121-NORTH PATIENT SIDE**
3/8" = 1'-0"



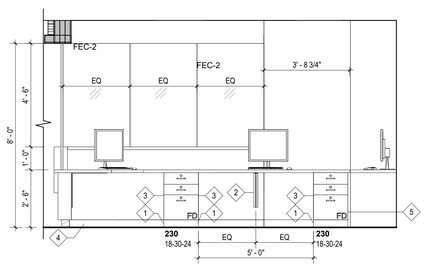
B1 / A401 **CKIN/ CK OUT 1121-WEST PATIENT SIDE**
3/8" = 1'-0"



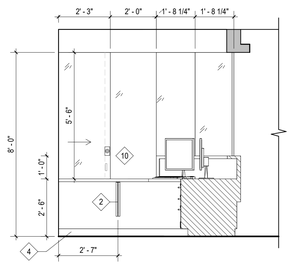
A5 / A401 **ENLARGED PLAN - CK IN/CK OUT 1121**
3/8" = 1'-0"



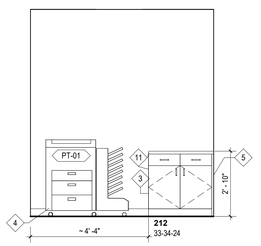
A4 / A401 **CK IN/CK OUT 1121 - WEST**
3/8" = 1'-0"



A3 / A401 **CK IN/CK OUT 1121 - SOUTH**
3/8" = 1'-0"



A2 / A401 **CH IN/CK OUT 1121 - EAST**
3/8" = 1'-0"



A1 / A401 **WORK 1120 - SOUTH**
3/8" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERTIFIED ARCHITECTURAL CORPORATION CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17105 LEA MARIE CONNELLY 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:

ENLARGED PLANS & ELEVATIONS - WIC

SHEET NO. A401

PROJ. NO. 024370.01

MILLWORK GENERAL NOTE

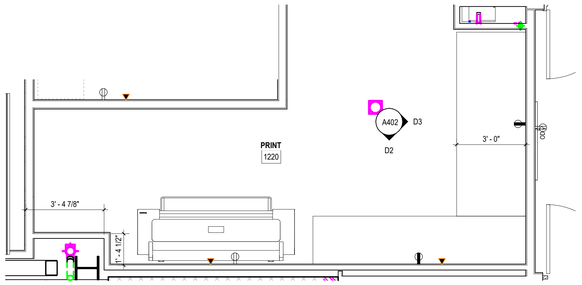
1. PAPER TOWEL (TA-18) AND SOAP (TA -04) TO BE LOCATED AT ALL SINK LOCATIONS. SEE ELEVATIONS FOR PLACEMENT. SEE A421 FOR TOILET ACCESSORY INFORMATION.
2. SEE DETAILS AND REFLECTED CEILING PLANS FOR SOFFIT TYPE AT UPPER CABINET LOCATIONS.
3. REFER TO FINISH SHEETS, MATERIAL LIST, AND MILLWORK SECTIONS FOR MILLWORK AND COUNTERTOP FINISHES.
4. REFER TO A421 FOR TOILET ACCESSORY MOUNTING LEGEND FOR VERTICAL AND HORIZONTAL PLACEMENT OF ALL ACCESSORIES U.N.O.
5. SEE A001 FOR DIMENSIONS OF WHEELCHAIR TURNING SPACE

A400 SERIES KEYNOTES

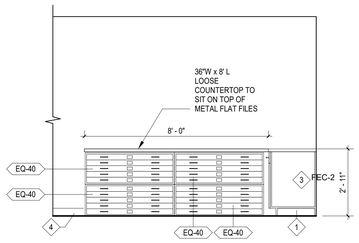
Sheet Series	Number	400 SERIES KEYED NOTES
A400	1	1/2" TOE KICK AT THIS LOCATION. SEE DETAIL C5/A621.
A400	2	RAKKS BRACKET EHR-1818. UNDERCOUNTER SUPPORT BRACKETS ARE NOT TO EXCEED 3' SPACING IN ALL LOCATIONS U.N.O. ALL BRACKETS ARE TO BE PAINTED TO MATCH ADJACENT SURAFCES U.N.O.
A400	3	PROVIDE FINISHED PANEL AT OPEN FACE OF MILLWORK
A400	4	BASE AS SCHEDULED
A400	5	FILLER PANEL NOT TO EXCEED 1.5 INCHES U.N.O
A400	7	WATER BOX
A400	8	SOLID SURFACE SPLASH GUARD SEE A621/C2
A400	9	PROVIDE BLOCKING AS REQUIRED. COORDINATE POWER AND DATA WITH MEP DRAWINGS.
A400	10	PROVIDE LOCK AND KNOB HANDLE ON STAFF SIDE AT SLIDING WINDOW
A400	11	ALIGN
A400	12	TASK LIGHTING
A400	13	EYEWASH STATION. SEE PLUMBING DRAWINGS FOR ADDTIONAL INFORMATION
A400	14	GROMMET AS REQUIRED, COORDINATE LOCATION WITH OWNER

LEGEND

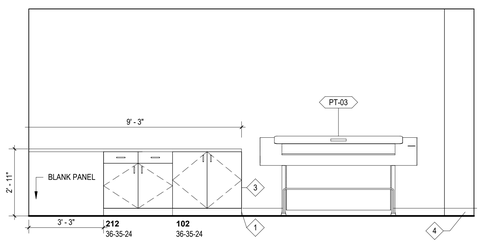
- A — WINDOW / CURTAIN WALL TAG
- SA3.0 — WALL TAG
- 01 — KEYNOTE
- TA-1 — TOILET ACCESSORY TAG SEE A421 FOR SCHEDULE
- EQ-XX — EQUIPMENT TAG SEE A900 SERIES
- TC — TIME CLOCK OFCI



D4 A402 **ENLARGED PLAN - PRINT 1220** 3/8" = 1'-0"

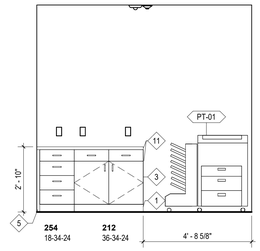


D3 A402 **PRINT 1220 - EAST** 3/8" = 1'-0"

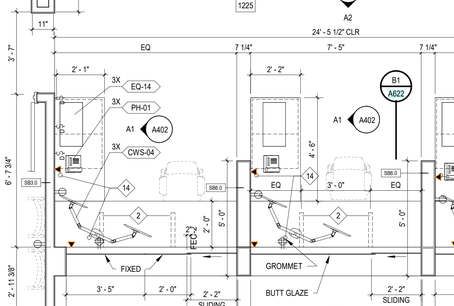


D2 A402 **PRINT 1220 - SOUTH** 3/8" = 1'-0"

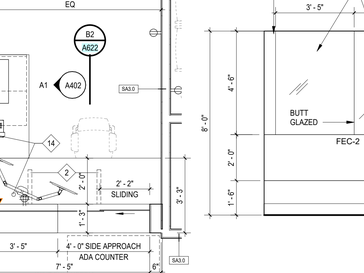
NOTE: HEIGH OF FINISHED ADJACENT MILLWORK CABINET TO MATCH HEIGHT OF FLAT FILES WITH FLOATING COUNTERTOP



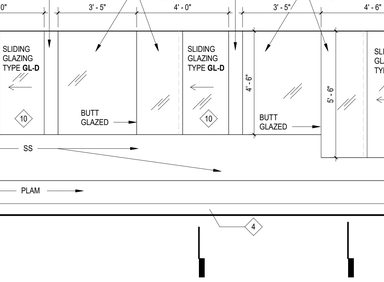
D1 A402 **PRINT 1222 - NORTH** 3/8" = 1'-0"



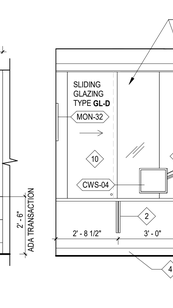
C5 A402 **ENLARGED PLAN - BREAK/PRINT 1202** 3/8" = 1'-0" FEC-2



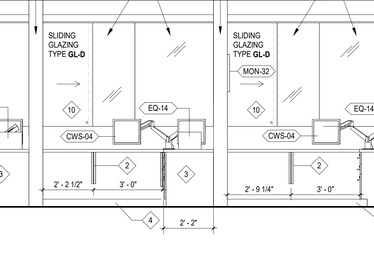
C4 A402 **BREAK/PRINT 1202 - NORTH** 3/8" = 1'-0"



C3 A402 **BREAK/PRINT 1202 - SOUTH** 3/8" = 1'-0"



C2 A402 **ENLARGED PLAN - QK BREAK 1218** 3/8" = 1'-0"



C1 A402 **QK BREAK 1218 - EAST** 3/8" = 1'-0"

FEC-2

B5 A402 **ENLARGED PLAN - SOIL LAB 1205** 3/8" = 1'-0"

B4 A402 **SOIL LAB 1205 - NORTH** 3/8" = 1'-0"

B3 A402 **SOIL LAB 1205 - EAST** 3/8" = 1'-0"

B2 A402 **SOIL LAB 1205 - SOUTH** 3/8" = 1'-0"

FEC-2

B1 A402 **SOIL LAB 1205 - WEST** 3/8" = 1'-0"

A4 A402 **ENLARGED PLAN - EH SPECIALIST 1225** 3/8" = 1'-0"

A3 A402 **EH SPECIALIST 1225 - NORTH** 3/8" = 1'-0"

A2 A402 **EH SPECIALISTS 1225 - SOUTH** 3/8" = 1'-0"

A1 A402 **EH SPECIALIST 1225 - WEST** 3/8" = 1'-0"

FEC-2

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON A WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF SIGNATURE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR STORED IN ACCORDANCE WITH MCMILLAN PAZDAN SMITH ARCHITECTURE'S RECORD RETENTION POLICY. THESE MATERIALS ARE NOT TO BE CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY, WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. IN THE EVENT OF UNAUTHORIZED REUSE OF THESE MATERIALS BY THE OWNER OR ANY THIRD PARTY, THE OWNER AND THIRD PARTY AGREE TO HOLD MCMILLAN PAZDAN SMITH ARCHITECTURE AND ITS CONSULTANTS HARMLESS FROM ANY CLAIM OR LIABILITY RESULTING FROM SUCH REUSE. THE OWNER AND THIRD PARTY FURTHER AGREE TO, TO THE FULLEST EXTENT PERMITTED BY LAW, INDEMNIFY AND HOLD HARMLESS MCMILLAN PAZDAN SMITH ARCHITECTURE AND ITS CONSULTANTS FROM ANY DAMAGES, LIABILITIES OR COSTS, INCLUDING REASONABLE ATTORNEYS' FEES AND COURT OR ARBITRATION COSTS ARISING OUT OF OR RESULTING THEREFROM. ANY MODIFICATIONS TO THESE MATERIALS MUST BE IN WRITING AND ARE NOT VALID UNLESS SIGNED BY BOTH PARTIES. THE PROVISIONS OF THIS PARAGRAPH SHALL BE BINDING ON THE OWNER AND THIRD PARTY AND THEIR SUCCESSORS AND ASSIGNS FOREVER. IF ANY PROVISION OF THIS PARAGRAPH IS DEEMED UNENFORCEABLE, THE REMAINING PROVISIONS SHALL NOT BE AFFECTED BUT SHALL REMAIN IN FULL FORCE AND EFFECT. ANY CAUSE OF ACTION BROUGHT HEREUNDER MUST BE COMMENCED WITHIN ONE YEAR AFTER THE EARLIER OF THE DATE OF COMPLETION OF THE PROJECT OR THE DATE THE PROJECT IS ABANDONED. © COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. — REGISTERED ARCHITECTURAL CORPORATION — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17108 KATE MARIE CONNELLY 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:

ENLARGED PLANS & ELEVATIONS - ENVIRONMENTAL HEALTH

PROJ. NO. 024370.01

A402

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON A WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF SIGNATURE CONTRACTS SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR STORED IN ACCORDANCE WITH THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. © COPYRIGHT 2025 MCMILLAN PAZDAN SMITH ARCHITECTURE
ALL RIGHTS RESERVED

MILLWORK GENERAL NOTE

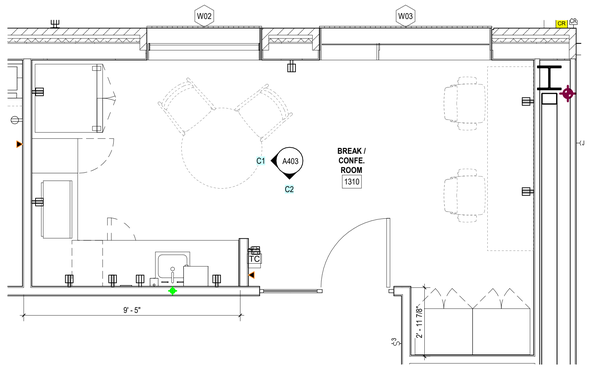
1. PAPER TOWEL (TA-18) AND SOAP (TA -04) TO BE LOCATED AT ALL SINK LOCATIONS. SEE ELEVATIONS FOR PLACEMENT. SEE A421 FOR TOILET ACCESSORY INFORMATION.
2. SEE DETAILS AND REFLECTED CEILING PLANS FOR SOFFIT TYPE AT UPPER CABINET LOCATIONS.
3. REFER TO FINISH SHEETS, MATERIAL LIST, AND MILLWORK SECTIONS FOR MILLWORK AND COUNTERTOP FINISHES.
4. REFER TO A421 FOR TOILET ACCESSORY MOUNTING LEGEND FOR VERTICAL AND HORIZONTAL PLACEMENT OF ALL ACCESSORIES U.N.O.
5. SEE A001 FOR DIMENSIONS OF WHEELCHAIR TURNING SPACE

A400 SERIES KEYNOTES

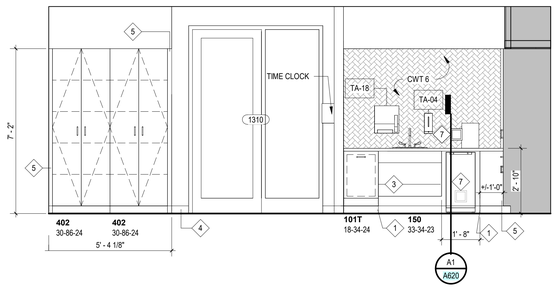
Sheet Series	Number	400 SERIES KEYED NOTES
A400	1	1/2" TOE KICK AT THIS LOCATION. SEE DETAIL C5/A621.
A400	2	RAKKS BRACKET EHR-1818. UNDERCOUNTER SUPPORT BRACKETS ARE NOT TO EXCEED 3' SPACING IN ALL LOCATIONS U.N.O. ALL BRACKETS ARE TO BE PAINTED TO MATCH ADJACENT SURAFACES U.N.O.
A400	3	PROVIDE FINISHED PANEL AT OPEN FACE OF MILLWORK
A400	4	BASE AS SCHEDULED
A400	5	FILLER PANEL NOT TO EXCEED 1.5 INCHES U.N.O
A400	7	WATER BOX
A400	8	SOLID SURFACE SPLASH GUARD SEE A621/C2
A400	9	PROVIDE BLOCKING AS REQUIRED. COORDINATE POWER AND DATA WITH MEP DRAWINGS.
A400	10	PROVIDE LOCK AND KNOB HANDLE ON STAFF SIDE AT SLIDING WINDOW
A400	11	ALIGN
A400	12	TASK LIGHTING
A400	13	EYEWASH STATION. SEE PLUMBING DRAWINGS FOR ADDTIONAL INFORMATION
A400	14	GROMMET AS REQUIRED, COORDINATE LOCATION WITH OWNER

LEGEND

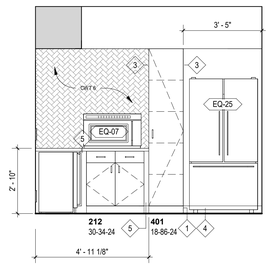
- A — WINDOW / CURTAIN WALL TAG
- SA3.0 — WALL TAG
- 01 — KEYNOTE
- TA-1 — TOILET ACCESSORY TAG SEE A421 FOR SCHEDULE
- EQ-XX — EQUIPMENT TAG SEE A900 SERIES
- TC — TIME CLOCK OFCI



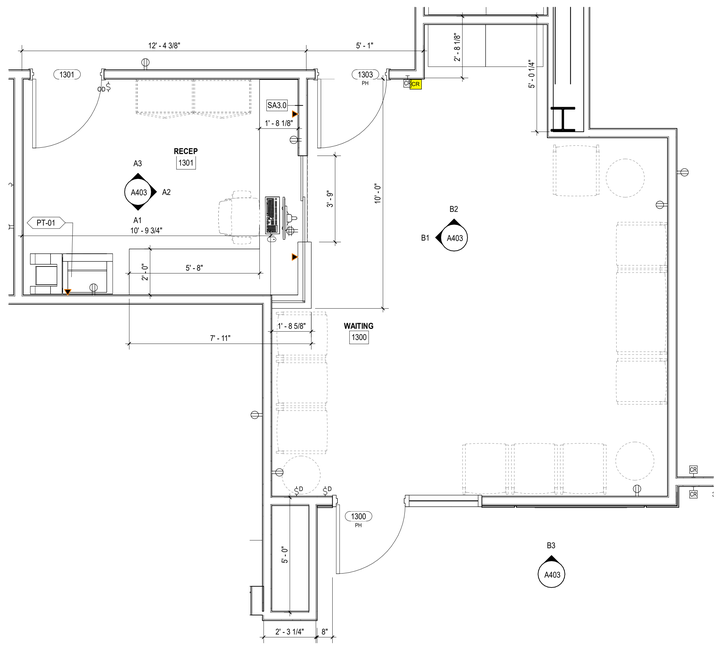
C3 / A403 **ENLARGED PLAN - CBREAK/CONFE. 1310**
3/8" = 1'-0"



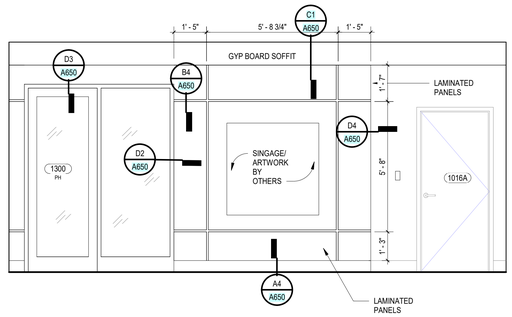
C2 / A403 **BREAK/CONFE. 1310 - SOUTH**
3/8" = 1'-0"



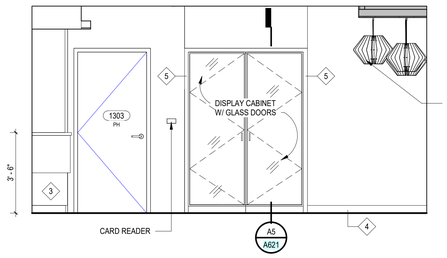
C1 / A403 **BREAK/CONFE. 1310 - WEST**
3/8" = 1'-0"



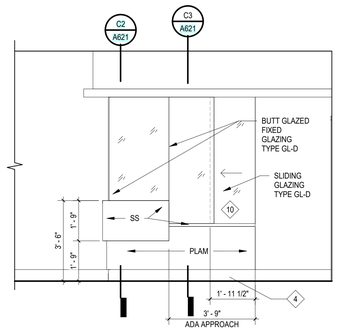
A4 / A403 **ENLARGED PLAN - WAITING 1300 & RECEP 1301**
3/8" = 1'-0"



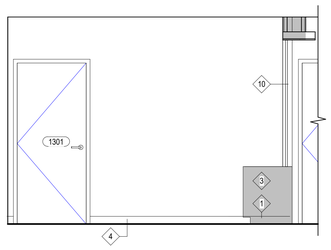
B3 / A403 **WAITING 1300 - ENTRY NORTH**
3/8" = 1'-0"



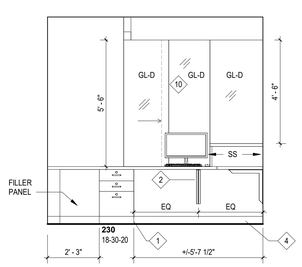
B2 / A403 **WAITING 1300 - NORTH**
3/8" = 1'-0"

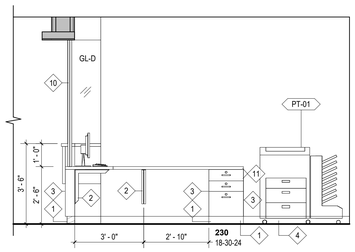


B1 / A403 **WAITING 1300 - WEST**
3/8" = 1'-0"



FEC-2





A3 / A403 **RECEP 1301 - NORTH**
3/8" = 1'-0"

A2 / A403 **RECEP 1301 - EAST**
3/8" = 1'-0"

A1 / A403 **RECEP 1301 - SOUTH**
3/8" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. — REGISTERED ARCHITECTURAL CORPORATION — CHARLOTTE, NORTH CAROLINA — CERT. NO. 54314

NORTH CAROLINA REGISTERED — SEAL 17108 — KAY MARIE CONNELLY — 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE:	02/06/2026
PHASE:	PERMIT SET

SHEET ISSUE:

NO. DATE DESCRIPTION

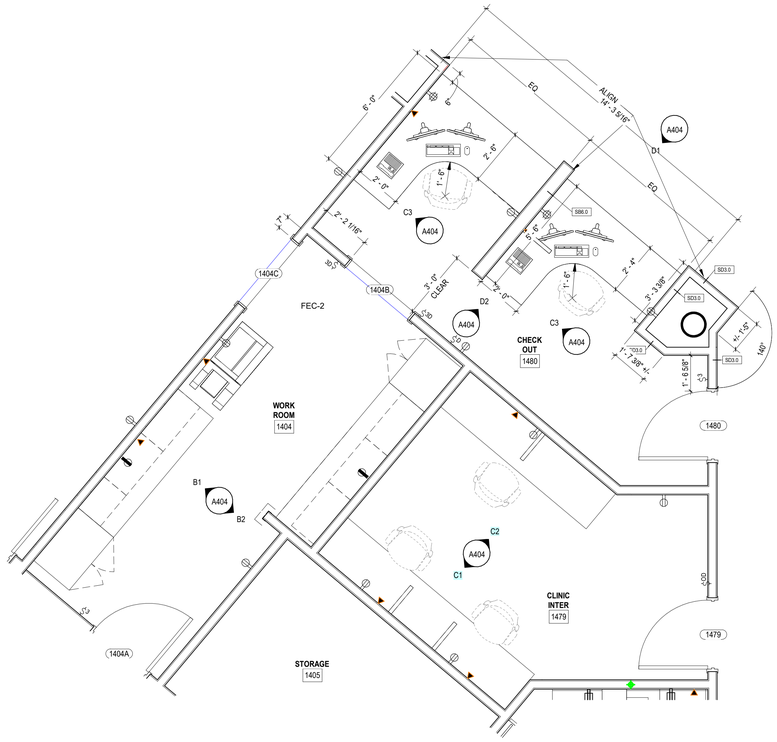
PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:

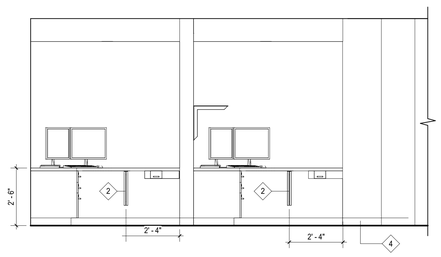
ENLARGED PLANS & ELEVATIONS - VETERANS

SHEET NO. A403

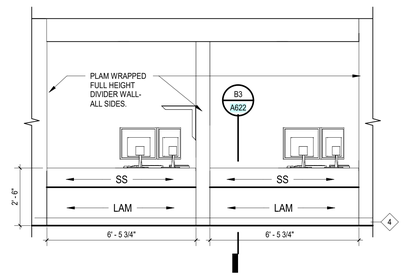
PROJ. NO. 024370.01



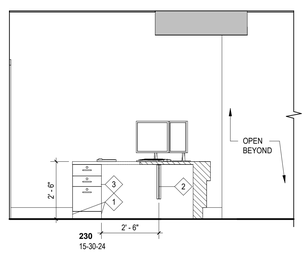
C4 A404 **ENLARGED PLAN - CLINIC CHECK OUT**
3/8" = 1'-0"



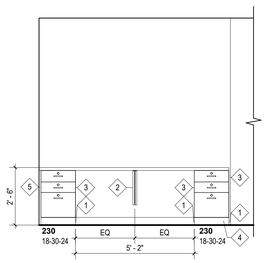
D2 A404 **CHECK OUT 1480 - NORTH**
3/8" = 1'-0"



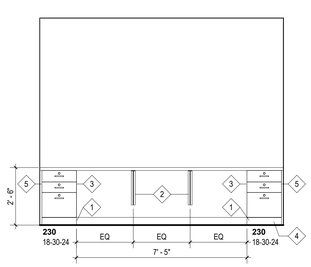
D1 A404 **CHECK OUT 1480 - SOUTH**
3/8" = 1'-0"



C3 A404 **CHECK OUT 1480 - WEST**
3/8" = 1'-0"



C2 A404 **CLINIC INTER 1479 - NORTH**
3/8" = 1'-0"



C1 A404 **CLINIC INTER 1479 - SOUTH**
3/8" = 1'-0"

MILLWORK GENERAL NOTE

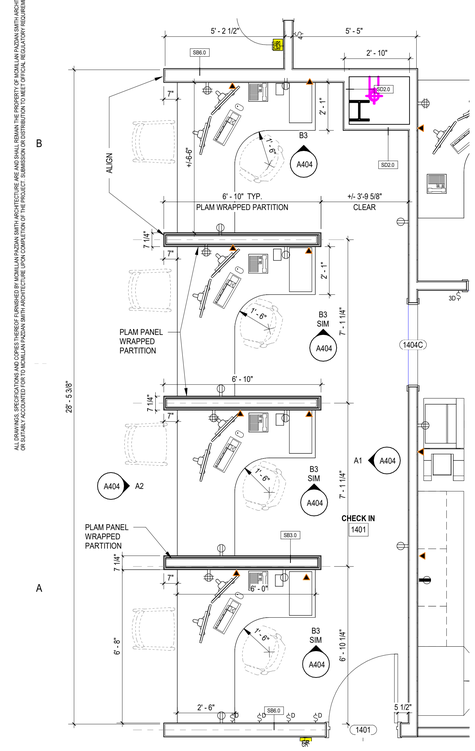
1. PAPER TOWEL (TA-18) AND SOAP (TA -04) TO BE LOCATED AT ALL SINK LOCATIONS. SEE ELEVATIONS FOR PLACEMENT. SEE A421 FOR TOILET ACCESSORY INFORMATION.
2. SEE DETAILS AND REFLECTED CEILING PLANS FOR SOFFIT TYPE AT UPPER CABINET LOCATIONS.
3. REFER TO FINISH SHEETS, MATERIAL LIST, AND MILLWORK SECTIONS FOR MILLWORK AND COUNTERTOP FINISHES.
4. REFER TO A421 FOR TOILET ACCESSORY MOUNTING LEGEND FOR VERTICAL AND HORIZONTAL PLACEMENT OF ALL ACCESSORIES U.N.O.
5. SEE A001 FOR DIMENSIONS OF WHEELCHAIR TURNING SPACE

A400 SERIES KEYNOTES

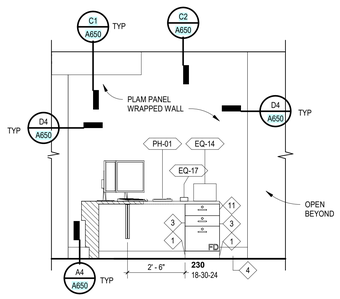
Sheet Series	Number	400 SERIES KEYED NOTES
A400	1	1/2" TOE KICK AT THIS LOCATION. SEE DETAIL C5/A621.
A400	2	RAKKS BRACKET EHR-1818. UNDERCOUNTER SUPPORT BRACKETS ARE NOT TO EXCEED 3' SPACING IN ALL LOCATIONS U.N.O. ALL BRACKETS ARE TO BE PAINTED TO MATCH ADJACENT SURAFACES U.N.O.
A400	3	PROVIDE FINISHED PANEL AT OPEN FACE OF MILLWORK
A400	4	BASE AS SCHEDULED
A400	5	FILLER PANEL NOT TO EXCEED 1.5 INCHES U.N.O
A400	7	WATER BOX
A400	8	SOLID SURFACE SPLASH GUARD SEE A621/C2
A400	9	PROVIDE BLOCKING AS REQUIRED. COORDINATE POWER AND DATA WITH MEP DRAWINGS.
A400	10	PROVIDE LOCK AND KNOB HANDLE ON STAFF SIDE AT SLIDING WINDOW
A400	11	ALIGN
A400	12	TASK LIGHTING
A400	13	EYEWASH STATION. SEE PLUMBING DRAWINGS FOR ADDTIONAL INFORMATION
A400	14	GROMMET AS REQUIRED, COORDINATE LOCATION WITH OWNER

LEGEND

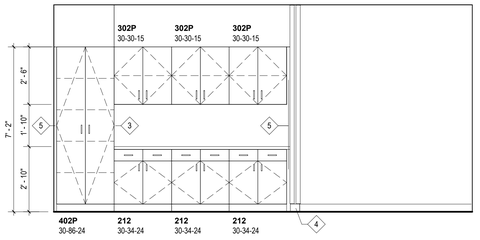
- A — WINDOW / CURTAIN WALL TAG
- SA3.0 — WALL TAG
- 01 — KEYNOTE
- TA-1 — TOILET ACCESSORY TAG SEE A421 FOR SCHEDULE
- EQ-XX — EQUIPMENT TAG SEE A900 SERIES
- TC — TIME CLOCK OFCI



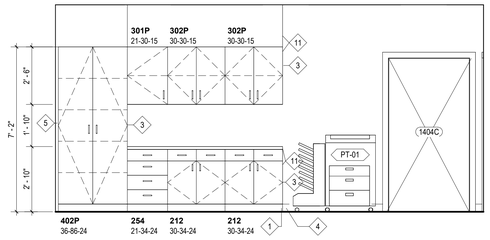
A3 A404 **ENLARGED PLAN - CHECK IN 1401**
3/8" = 1'-0"



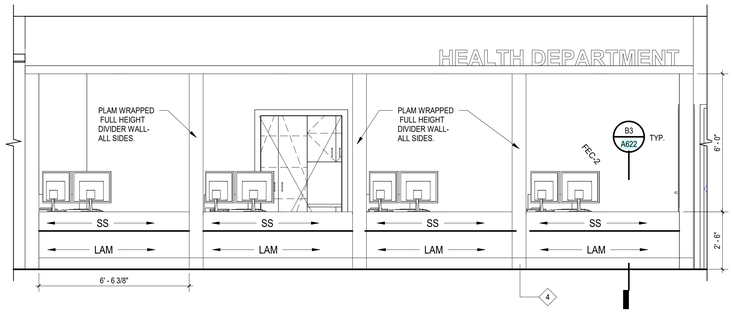
B3 A404 **CHECK IN 1401 - NORTH**
3/8" = 1'-0"



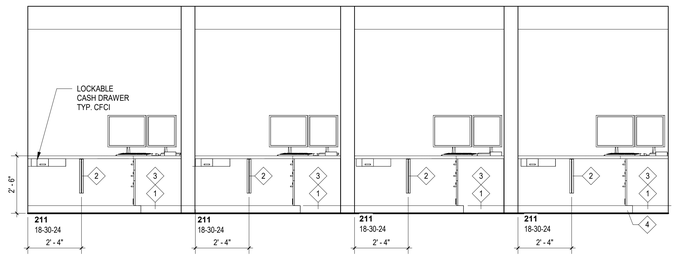
B2 A404 **WORK ROOM 1404 - EAST**
3/8" = 1'-0"



B1 A404 **WORK ROOM 1404 - WEST**
3/8" = 1'-0"



A2 A404 **CHECK IN 1401 - EAST**
3/8" = 1'-0"



A1 A404 **CHECK IN 1401 - WEST**
3/8" = 1'-0"

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON AND WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT WITH THE EXCEPTION OF SIGNATURE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SURRENDERED ACCORDING TO THE CONTRACT UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. — CERT. NO. 54314 — REGISTERED ARCHITECTURAL CORPORATION — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17105 LEE MARIE CONNELLY 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:

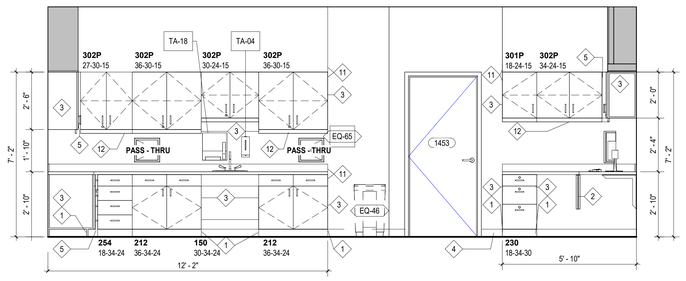
ENLARGED PLANS & ELEVATIONS - CLINIC

SHEET NO. A404

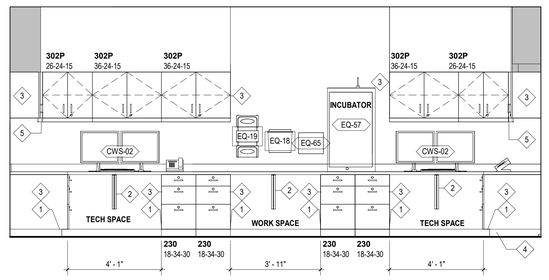
PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON MY PERSPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

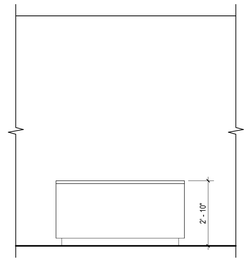
4/2/2026 11:37:37 PM - Autodesk Docs://2025 BC Brunswick County Health & Human Services/BCHS_Brunswick County Health and Human Services_R25_v1.rvt



D3 A405 **CLINICAL LAB 1437 - WEST**
3/8" = 1'-0"



D2 A405 **CLINICAL LAB 1437 - NORTH**
3/8" = 1'-0"



D1 A405 **CLINCAL LAB 1437 - ISLAND SOUTH**
3/8" = 1'-0"

MILLWORK GENERAL NOTE

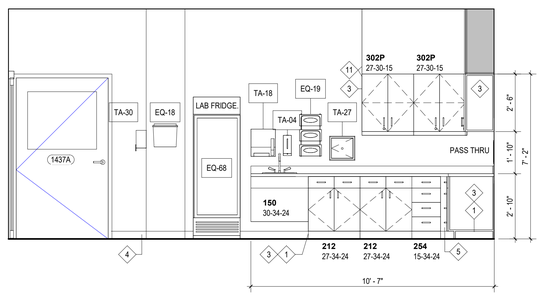
1. PAPER TOWEL (TA-18) AND SOAP (TA -04) TO BE LOCATED AT ALL SINK LOCATIONS. SEE ELEVATIONS FOR PLACEMENT. SEE A421 FOR TOILET ACCESSORY INFORMATION.
2. SEE DETAILS AND REFLECTED CEILING PLANS FOR SOFFIT TYPE AT UPPER CABINET LOCATIONS.
3. REFER TO FINISH SHEETS, MATERIAL LIST, AND MILLWORK SECTIONS FOR MILLWORK AND COUNTERTOP FINISHES.
4. REFER TO A421 FOR TOILET ACCESSORY MOUNTING LEGEND FOR VERTICAL AND HORIZONTAL PLACEMENT OF ALL ACCESSORIES U.N.O.
5. SEE A001 FOR DIMENSIONS OF WHEELCHAIR TURNING SPACE

A400 SERIES KEYNOTES

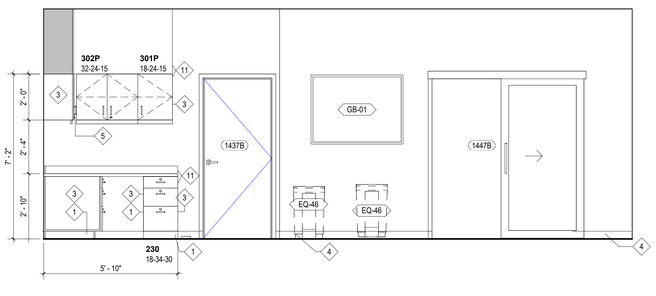
Sheet Series	Number	400 SERIES KEYED NOTES
A400	1	1/2" TOE KICK AT THIS LOCATION. SEE DETAIL C5/A621.
A400	2	RAKKS BRACKET EHR-1818. UNDERCOUNTER SUPPORT BRACKETS ARE NOT TO EXCEED 3' SPACING IN ALL LOCATIONS U.N.O. ALL BRACKETS ARE TO BE PAINTED TO MATCH ADJACENT SURAFACES U.N.O.
A400	3	PROVIDE FINISHED PANEL AT OPEN FACE OF MILLWORK
A400	4	BASE AS SCHEDULED
A400	5	FILLER PANEL NOT TO EXCEED 1.5 INCHES U.N.O
A400	7	WATER BOX
A400	8	SOLID SURFACE SPLASH GUARD SEE A621/C2
A400	9	PROVIDE BLOCKING AS REQUIRED. COORDINATE POWER AND DATA WITH MEP DRAWINGS.
A400	10	PROVIDE LOCK AND KNOB HANDLE ON STAFF SIDE AT SLIDING WINDOW
A400	11	ALIGN
A400	12	TASK LIGHTING
A400	13	EYEWASH STATION. SEE PLUMBING DRAWINGS FOR ADDTIONAL INFORMATION
A400	14	GROMMET AS REQUIRED, COORDINATE LOCATION WITH OWNER

LEGEND

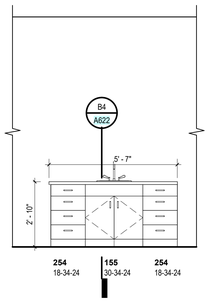
- A — WINDOW / CURTAIN WALL TAG
- SA3.0 — WALL TAG
- 01 — KEYNOTE
- TA-1 — TOILET ACCESSORY TAG SEE A421 FOR SCHEDULE
- EQ-XX — EQUIPMENT TAG SEE A900 SERIES
- TC — TIME CLOCK OFCI



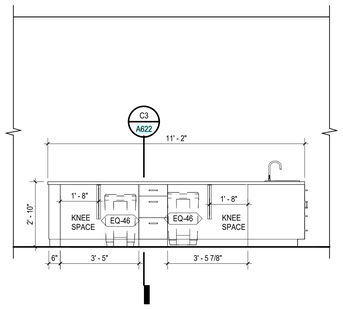
C4 A405 **CLINICAL LAB 1437 - SOUTH**
3/8" = 1'-0"



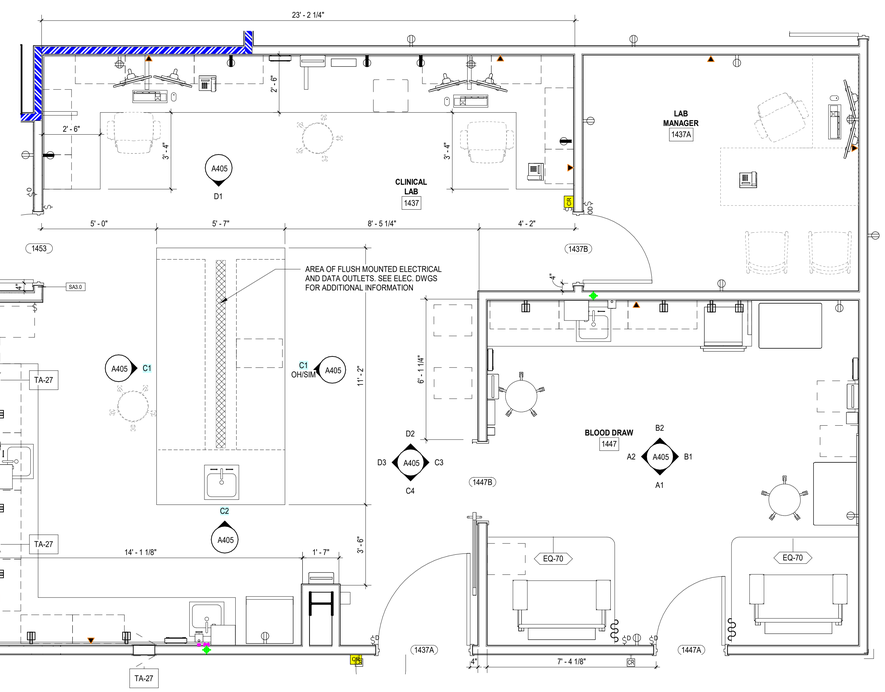
C3 A405 **CLINICAL LAB 1437- EAST**
3/8" = 1'-0"



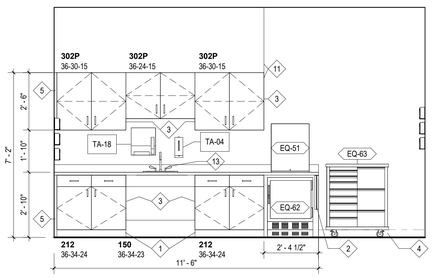
C2 A405 **CLINCAL LAB 1437 - ISLAND NORTH**
3/8" = 1'-0"



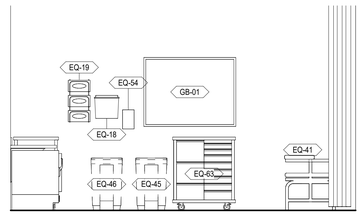
C1 A405 **CLINCAL LAB 1437 - ISLAND EAST**
3/8" = 1'-0"



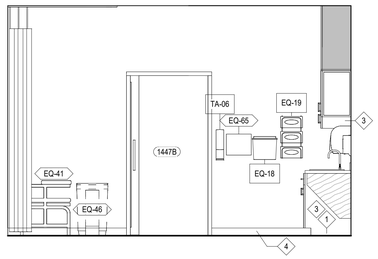
A3 A405 **ENLARGED PLAN - CLINICAL LAB 1437**
3/8" = 1'-0"



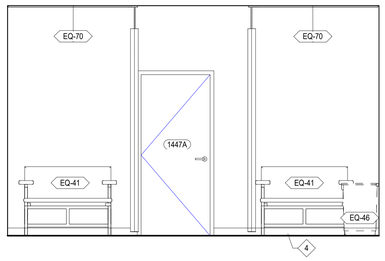
B2 A405 **BLOOD DRAW 1447 - NORTH ELEVATION**
3/8" = 1'-0"



B1 A405 **BLOOD DRAW 1447 - EAST ELEVATION**
3/8" = 1'-0"



A2 A405 **BLOOD DRAW 1447 - WEST ELEVATION**
3/8" = 1'-0"



A1 A405 **BLOOD DRAW 1447 - SOUTH ELEVATION**
3/8" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. — CERTIFIED ARCHITECTURAL CORPORATION — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 37105 MARIE CONNOR 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

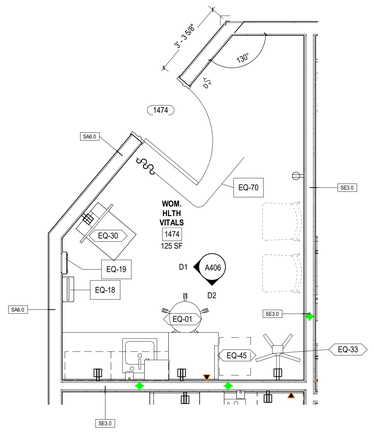
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

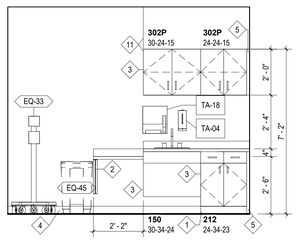
SHEET TITLE:
ENLARGED PLANS & ELEVATIONS - LAB

SHEET NO. A405
PROJ. NO. 024370.01

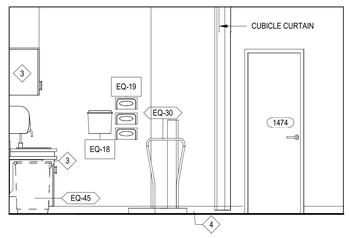
Autodesk Docs://2025/25 @ Brunswick County Health & Human Services/BCHS - Brunswick County Health and Human Services - R25.rvt
4/2/2026 11:21:34 PM Autodesk Docs://2025/25 @ Brunswick County Health & Human Services/BCHS - Brunswick County Health and Human Services - R25.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON THE PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF SIGNING CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR DESTROYED UPON COMPLETION OF THE PROJECT. THEY ARE NOT TO BE LOANED, COPIED OR COMMUNICATED IN ANY FORM OR MANNER WHATSOEVER EXCEPT FOR USE IN CONNECTION WITH THE PROJECT, WITHOUT THE WRITTEN PERMISSION OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ALL COPYRIGHT AND OTHER PROPERTY RIGHTS MUST BE PRESERVED ON ALL REPRODUCTIONS. ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON THE PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF SIGNING CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR DESTROYED UPON COMPLETION OF THE PROJECT. THEY ARE NOT TO BE LOANED, COPIED OR COMMUNICATED IN ANY FORM OR MANNER WHATSOEVER EXCEPT FOR USE IN CONNECTION WITH THE PROJECT, WITHOUT THE WRITTEN PERMISSION OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ALL COPYRIGHT AND OTHER PROPERTY RIGHTS MUST BE PRESERVED ON ALL REPRODUCTIONS. © COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED



D3 / A406 **ENLARGED PLAN - WOMENS HLTH VITALS 1474**
3/8" = 1'-0"



D2 / A406 **WOMENS HLTH VITALS 1474 - SOUTH**
3/8" = 1'-0"



D1 / A406 **WOMENS HLTH VITALS 1474 - WEST**
3/8" = 1'-0"

MILLWORK GENERAL NOTE

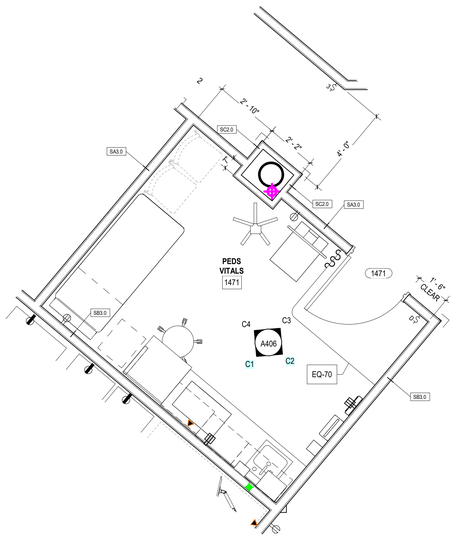
1. PAPER TOWEL (TA-18) AND SOAP (TA -04) TO BE LOCATED AT ALL SINK LOCATIONS. SEE ELEVATIONS FOR PLACEMENT. SEE A421 FOR TOILET ACCESSORY INFORMATION.
2. SEE DETAILS AND REFLECTED CEILING PLANS FOR SOFFIT TYPE AT UPPER CABINET LOCATIONS.
3. REFER TO FINISH SHEETS, MATERIAL LIST, AND MILLWORK SECTIONS FOR MILLWORK AND COUNTERTOP FINISHES.
4. REFER TO A421 FOR TOILET ACCESSORY MOUNTING LEGEND FOR VERTICAL AND HORIZONTAL PLACEMENT OF ALL ACCESSORIES U.N.O.
5. SEE A001 FOR DIMENSIONS OF WHEELCHAIR TURNING SPACE

A400 SERIES KEYNOTES

Sheet Series	Number	400 SERIES KEYED NOTES
A400	1	1/2" TOE KICK AT THIS LOCATION. SEE DETAIL C5/A621.
A400	2	RAKKS BRACKET EHR-1818. UNDERCOUNTER SUPPORT BRACKETS ARE NOT TO EXCEED 3' SPACING IN ALL LOCATIONS U.N.O. ALL BRACKETS ARE TO BE PAINTED TO MATCH ADJACENT SURAFACES U.N.O.
A400	3	PROVIDE FINISHED PANEL AT OPEN FACE OF MILLWORK
A400	4	BASE AS SCHEDULED
A400	5	FILLER PANEL NOT TO EXCEED 1.5 INCHES U.N.O
A400	7	WATER BOX
A400	8	SOLID SURFACE SPLASH GUARD SEE A621/C2
A400	9	PROVIDE BLOCKING AS REQUIRED. COORDINATE POWER AND DATA WITH MEP DRAWINGS.
A400	10	PROVIDE LOCK AND KNOB HANDLE ON STAFF SIDE AT SLIDING WINDOW
A400	11	ALIGN
A400	12	TASK LIGHTING
A400	13	EYEWASH STATION. SEE PLUMBING DRAWINGS FOR ADDTIONAL INFORMATION
A400	14	GROMMET AS REQUIRED, COORDINATE LOCATION WITH OWNER

LEGEND

- A — WINDOW / CURTAIN WALL TAG
- SA3.0 — WALL TAG
- 01 — KEYNOTE
- TA-1 — TOILET ACCESSORY TAG SEE A421 FOR SCHEDULE
- EQ-XX — EQUIPMENT TAG SEE A900 SERIES
- TC — TIME CLOCK OFCI



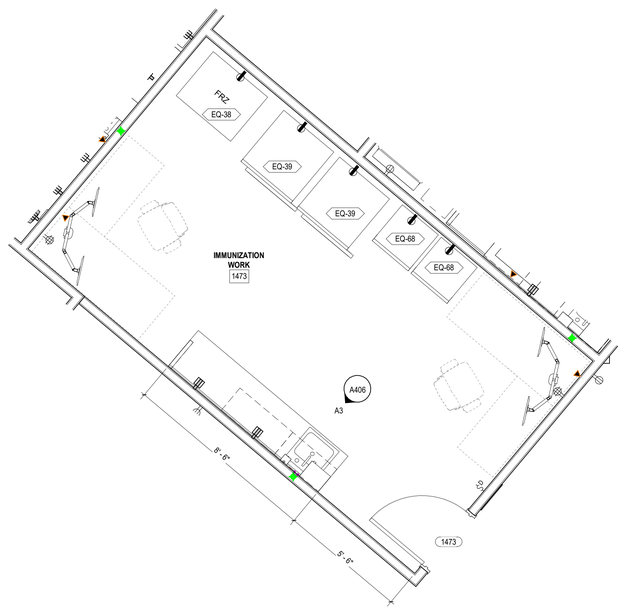
C5 / A406 **ENLARGED PLAN - PEDS VITALS 1471**
3/8" = 1'-0"

C4 / A406 **PEDS VITALS 1471 - WEST**
3/8" = 1'-0"

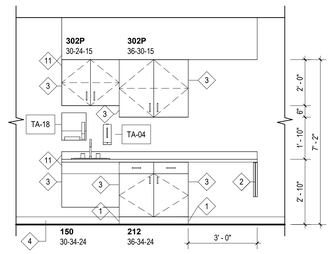
C3 / A406 **PEDS VITALS 1471 - NORTH**
3/8" = 1'-0"

C2 / A406 **PEDS VITALS 1471 - EAST**
3/8" = 1'-0"

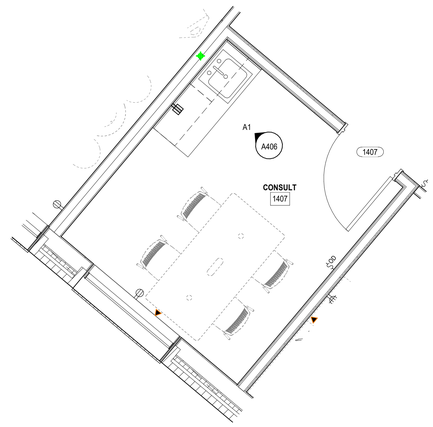
C1 / A406 **PEDS VITALS 1471 - SOUTH**
3/8" = 1'-0"



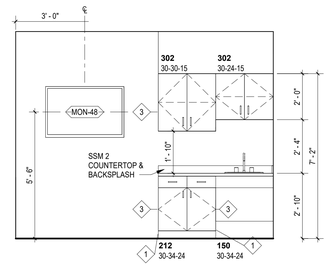
A4 / A406 **ENLARGED PLAN - IMMUNIZATION WORK 1473**
3/8" = 1'-0"



A3 / A406 **IMMUNIZATION WORK 1473 - SOUTH**
3/8" = 1'-0"



A2 / A406 **ENLARGED PLAN - CONSULT 1407**
3/8" = 1'-0"



A1 / A406 **CONSULT 1407 - WEST**
3/8" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. — CERTIFIED ARCHITECTURAL CORPORATION — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 37305 KAY MARIE CONNELLY 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

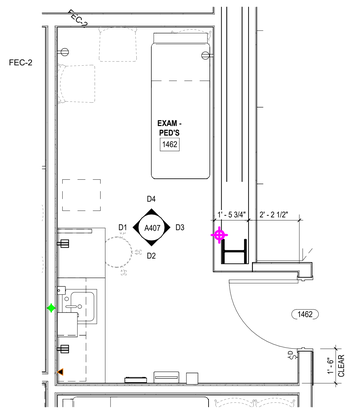
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

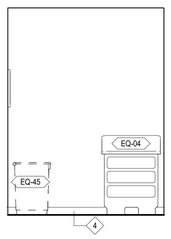
SHEET TITLE:
ENLARGED PLANS & ELEVATIONS - CLINIC

SHEET NO. A406
PROJ. NO. 024370.01

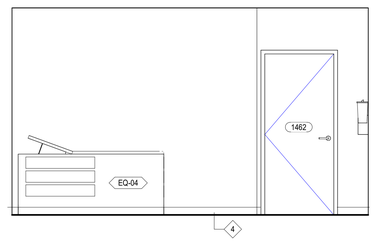
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE NOT TO BE USED ON ANY PROJECT OTHER THAN THE PROJECT FOR WHICH THEY WERE PREPARED AND ARE NOT TO BE ASSIGNED TO ANY THIRD PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED ON REQUEST. ACCEPTANCE OR USE OF THESE MATERIALS BY THE OWNER OR ANY THIRD PARTY TO THE CONTRACT SHALL CONSTITUTE AGREEMENT TO THE FOREGOING RESTRICTIONS. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT FOR USE WITH THE PROJECT, NO OTHER USE, REPRODUCTION OR DISTRIBUTION OF THESE MATERIALS IS PERMITTED WITHOUT THE EXPRESS WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ANY UNAUTHORIZED USE, REPRODUCTION OR DISTRIBUTION IS PROHIBITED AND MAY BE SUBJECT TO CIVIL AND CRIMINAL PENALTIES INCLUDING THE AWARD OF STATUTORY DAMAGES AND ATTORNEY'S FEES. ACCESS TO THESE MATERIALS SHALL NOT CREATE ANY EXPRESS OR IMPLIED LICENSE OR OTHER RIGHT. © COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED



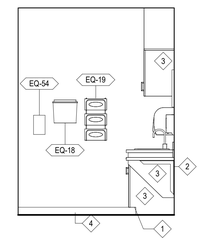
D5 / A407 **ENLARGED PLAN - PED'S EXAM 1462**
3/8" = 1'-0"



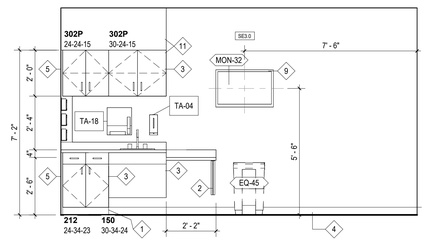
D4 / A407 **EXAM PED'S 1462 - NORTH**
3/8" = 1'-0"
EQUIPMENT SHOWN IN ELEVATION IS TYPICAL FOR ALL PEDS ROOM TYPE



D3 / A407 **EXAM PED'S 1462 - EAST**
3/8" = 1'-0"
EQUIPMENT SHOWN IN ELEVATION IS TYPICAL FOR ALL PEDS ROOM TYPE



D2 / A407 **EXAM PED'S 1462 - SOUTH**
3/8" = 1'-0"
EQUIPMENT SHOWN IN ELEVATION IS TYPICAL FOR ALL PEDS ROOM TYPE



D1 / A407 **EXAM PED'S 1462 - WEST**
3/8" = 1'-0"
EQUIPMENT SHOWN IN ELEVATION IS TYPICAL FOR ALL PEDS ROOM TYPE

MILLWORK GENERAL NOTE

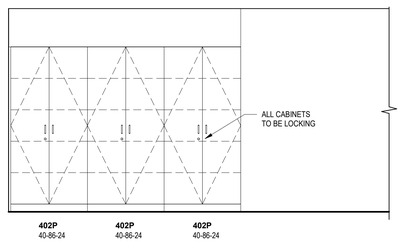
1. PAPER TOWEL (TA-18) AND SOAP (TA -04) TO BE LOCATED AT ALL SINK LOCATIONS. SEE ELEVATIONS FOR PLACEMENT. SEE A421 FOR TOILET ACCESSORY INFORMATION.
2. SEE DETAILS AND REFLECTED CEILING PLANS FOR SOFFIT TYPE AT UPPER CABINET LOCATIONS.
3. REFER TO FINISH SHEETS, MATERIAL LIST, AND MILLWORK SECTIONS FOR MILLWORK AND COUNTERTOP FINISHES.
4. REFER TO A421 FOR TOILET ACCESSORY MOUNTING LEGEND FOR VERTICAL AND HORIZONTAL PLACEMENT OF ALL ACCESSORIES U.N.O.
5. SEE A001 FOR DIMENSIONS OF WHEELCHAIR TURNING SPACE

A400 SERIES KEYNOTES

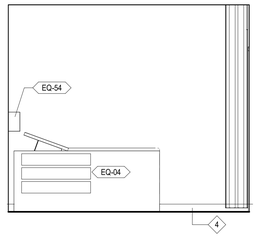
Sheet Series	Number	400 SERIES KEYED NOTES
A400	1	1/2" TOE KICK AT THIS LOCATION. SEE DETAIL C5/A621.
A400	2	RAKKS BRACKET EHR-1818. UNDERCOUNTER SUPPORT BRACKETS ARE NOT TO EXCEED 3' SPACING IN ALL LOCATIONS U.N.O. ALL BRACKETS ARE TO BE PAINTED TO MATCH ADJACENT SURAFACES U.N.O.
A400	3	PROVIDE FINISHED PANEL AT OPEN FACE OF MILLWORK
A400	4	BASE AS SCHEDULED
A400	5	FILLER PANEL NOT TO EXCEED 1.5 INCHES U.N.O
A400	7	WATER BOX
A400	8	SOLID SURFACE SPLASH GUARD SEE A621/C2
A400	9	PROVIDE BLOCKING AS REQUIRED. COORDINATE POWER AND DATA WITH MEP DRAWINGS.
A400	10	PROVIDE LOCK AND KNOB HANDLE ON STAFF SIDE AT SLIDING WINDOW
A400	11	ALIGN
A400	12	TASK LIGHTING
A400	13	EYEWASH STATION. SEE PLUMBING DRAWINGS FOR ADDTIONAL INFORMATION
A400	14	GROMMET AS REQUIRED, COORDINATE LOCATION WITH OWNER

LEGEND

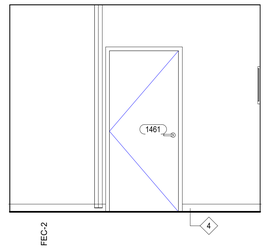
- A — WINDOW / CURTAIN WALL TAG
- SA3.0 — WALL TAG
- 01 — KEYNOTE
- TA-1 — TOILET ACCESSORY TAG SEE A421 FOR SCHEDULE
- EQ-XX — EQUIPMENT TAG SEE A900 SERIES
- TC — TIME CLOCK OFCI



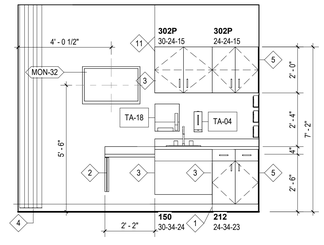
C5 / A407 **CORRIDOR 1457 -WEST**
3/8" = 1'-0"



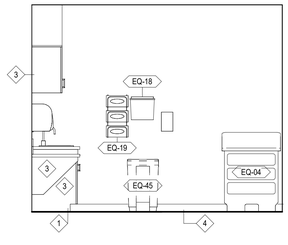
C4 / A407 **EXAM PED'S 1460 & 1461- NORTH**
3/8" = 1'-0"
EQUIPMENT SHOWN IN ELEVATION IS TYPICAL FOR ALL PEDS ROOM TYPE



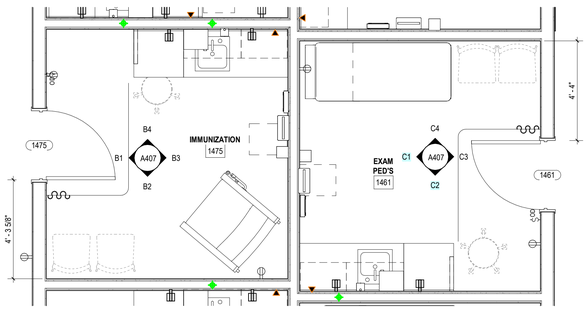
C3 / A407 **EXAM PED'S 1460 & 1461- EAST**
3/8" = 1'-0"



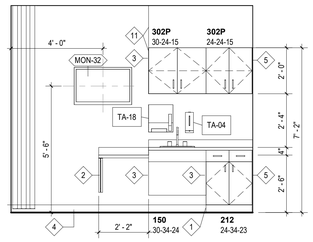
C2 / A407 **EXAM PED'S 1460 & 1461- SOUTH**
3/8" = 1'-0"
EQUIPMENT SHOWN IN ELEVATION IS TYPICAL FOR ALL PEDS ROOM TYPE



C1 / A407 **EXAM PED'S 1460 & 1461- WEST**
3/8" = 1'-0"
EQUIPMENT SHOWN IN ELEVATION IS TYPICAL FOR ALL PEDS ROOM TYPE

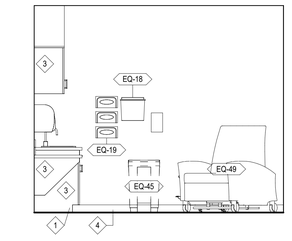


B5 / A407 **ENLARGED PLAN - IMMUNIZATION 1475 & PED'S EXAM 1461**
3/8" = 1'-0"

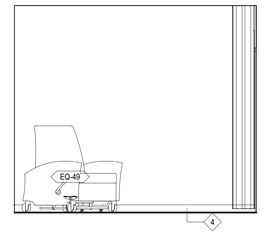


B4 / A407 **IMMUNIZATION 1475 & 1476 - NORTH**
3/8" = 1'-0"
EQUIPMENT SHOWN IN ELEVATION IS TYPICAL FOR BOTH IMMUNIZATIONS ROOMS

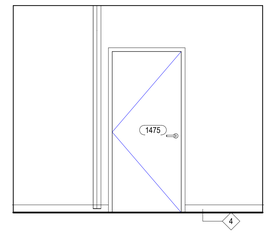
FEC-2



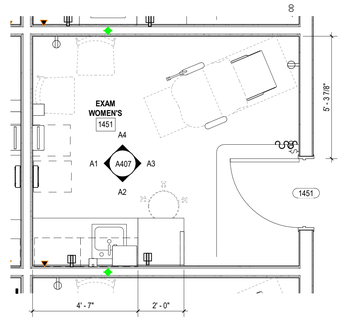
B3 / A407 **IMMUNIZATION 1475 & 1476 - EAST**
3/8" = 1'-0"
EQUIPMENT SHOWN IN ELEVATION IS TYPICAL FOR BOTH IMMUNIZATIONS ROOMS



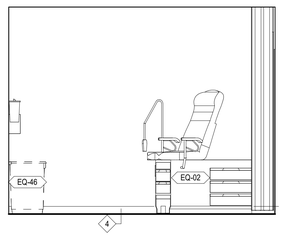
B2 / A407 **IMMUNIZATION 1475 & 1476 - SOUTH**
3/8" = 1'-0"
EQUIPMENT SHOWN IN ELEVATION IS TYPICAL FOR BOTH IMMUNIZATIONS ROOMS



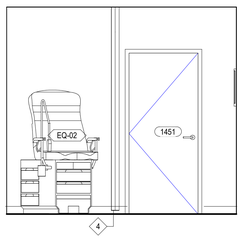
B1 / A407 **IMMUNIZATION 1475 & 1476 - WEST**
3/8" = 1'-0"



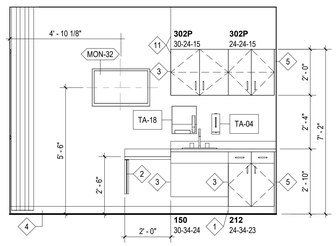
A5 / A407 **ENLARGED PLAN - TYP. EXAM - WOMEN'S**
3/8" = 1'-0"



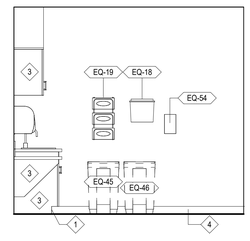
A4 / A407 **TYP. EXAM WOMEN'S - NORTH**
3/8" = 1'-0"



A3 / A407 **TYP. EXAM WOMEN'S - EAST**
3/8" = 1'-0"
EQUIPMENT SHOWN IN ELEVATION IS TYPICAL FOR ALL WOMENS EXAM ROOM TYPE.



A2 / A407 **TYP. EXAM WOMEN'S - SOUTH**
3/8" = 1'-0"
EQUIPMENT SHOWN IN ELEVATION IS TYPICAL FOR ALL WOMENS EXAM ROOM TYPE.



A1 / A407 **TYP. EXAM WOMEN'S - WEST**
3/8" = 1'-0"
EQUIPMENT SHOWN IN ELEVATION IS TYPICAL FOR ALL WOMENS EXAM ROOM TYPE.

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. — CERTIFIED ARCHITECTURAL CORPORATION — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 37108 ANNE MARIE CONNELLY 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

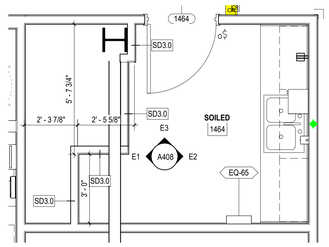
SHEET TITLE:

ENLARGED PLANS & ELEVATIONS - CLINIC

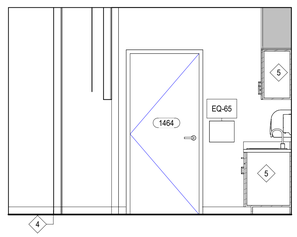
SHEET NO. A407

PROJ. NO. 024370.01

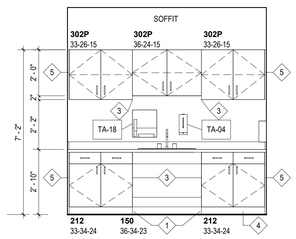
ALL DRAWINGS, SPECIFICATIONS AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF SIGNING CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED ON REQUEST. ACCEPTANCE OF THE MATERIALS BY ANY PERSON FOR ANY PURPOSE OTHER THAN THE USE WITH RESPECT TO THIS PROJECT IS STRICTLY PROHIBITED. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED



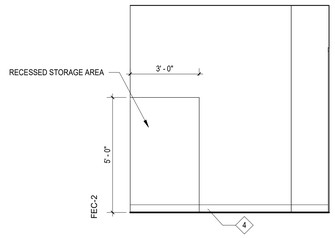
E4 A408 **ENLARGED PLAN - SOILED 1464**
3/8" = 1'-0"



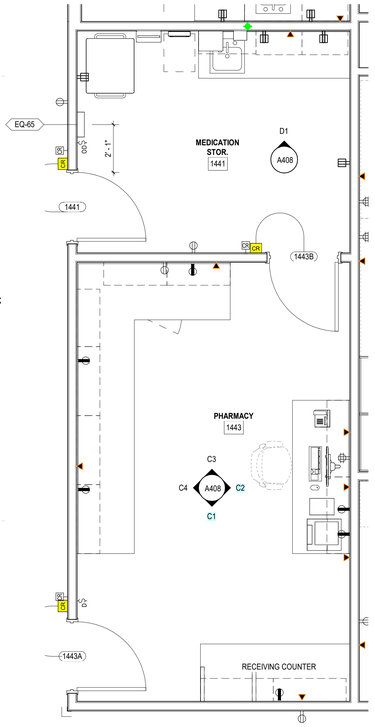
E3 A408 **SOILED 1464 - NORTH**
3/8" = 1'-0"



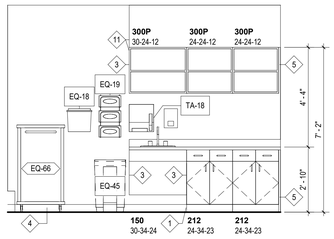
E2 A408 **SOILED 1464 - EAST**
3/8" = 1'-0"



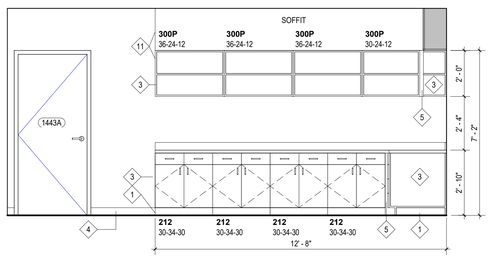
E1 A408 **SOILED 1464 - WEST**
3/8" = 1'-0"



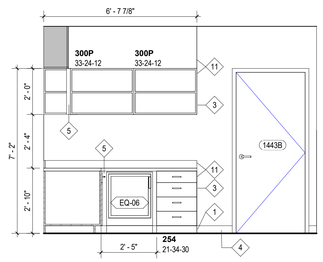
B C5 A408 **ENLARGED PLAN - PHARMACY 1443 & MEDICATION STOR. 1441**
3/8" = 1'-0"



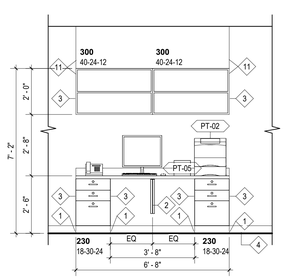
D1 A408 **MEDICATION STORAGE 1441 - NORTH**
3/8" = 1'-0"



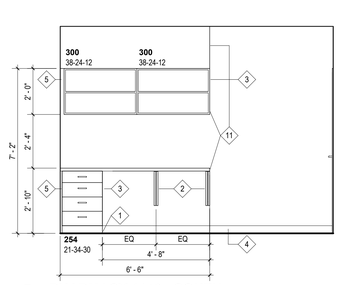
C4 A408 **PHARMACY 1143 - WEST**
3/8" = 1'-0"



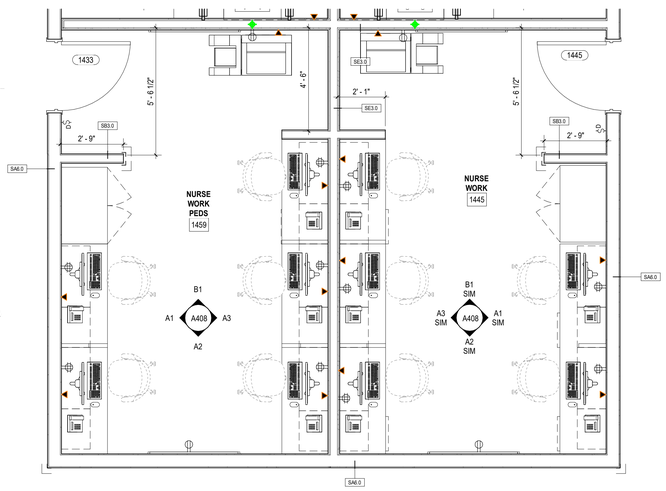
C3 A408 **PHARMACY 1143 - NORTH**
3/8" = 1'-0"



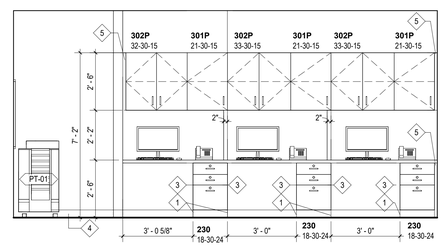
C2 A408 **PHARMACY 1143 - EAST**
3/8" = 1'-0"



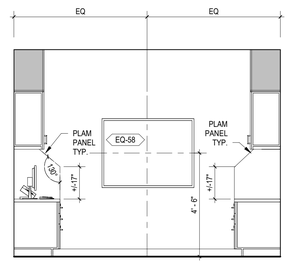
C1 A408 **PHARMACY 1143 - SOUTH**
3/8" = 1'-0"



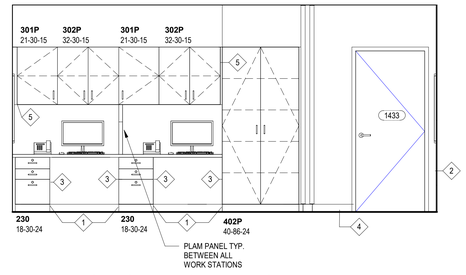
A4 A408 **ENLARGED PLAN - NURSE WORK PEDS 1459 & NURSE WORK 1445**
3/8" = 1'-0"



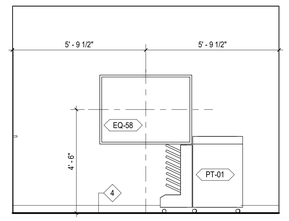
A3 A408 **NURSE WORK PEDS 1459 - EAST**
3/8" = 1'-0"



A2 A408 **NURSE WORK PEDS 1459- SOUTH**
3/8" = 1'-0"



A1 A408 **NURSE WORK PEDS 1459 - WEST**
3/8" = 1'-0"



B1 A408 **NURSE WORK PEDS 1459-NORTH**
3/8" = 1'-0"

MILLWORK GENERAL NOTE

1. PAPER TOWEL (TA-18) AND SOAP (TA -04) TO BE LOCATED AT ALL SINK LOCATIONS. SEE ELEVATIONS FOR PLACEMENT. SEE A421 FOR TOILET ACCESSORY INFORMATION.
2. SEE DETAILS AND REFLECTED CEILING PLANS FOR SOFFIT TYPE AT UPPER CABINET LOCATIONS.
3. REFER TO FINISH SHEETS, MATERIAL LIST, AND MILLWORK SECTIONS FOR MILLWORK AND COUNTERTOP FINISHES.
4. REFER TO A421 FOR TOILET ACCESSORY MOUNTING LEGEND FOR VERTICAL AND HORIZONTAL PLACEMENT OF ALL ACCESSORIES U.N.O.
5. SEE A001 FOR DIMENSIONS OF WHEELCHAIR TURNING SPACE

A400 SERIES KEYNOTES

Sheet Series	Number	400 SERIES KEYED NOTES
A400	1	1/2" TOE KICK AT THIS LOCATION. SEE DETAIL C5/A621.
A400	2	RAKKS BRACKET EHR-1818. UNDERCOUNTER SUPPORT BRACKETS ARE NOT TO EXCEED 3' SPACING IN ALL LOCATIONS U.N.O. ALL BRACKETS ARE TO BE PAINTED TO MATCH ADJACENT SURAFACES U.N.O.
A400	3	PROVIDE FINISHED PANEL AT OPEN FACE OF MILLWORK
A400	4	BASE AS SCHEDULED
A400	5	FILLER PANEL NOT TO EXCEED 1.5 INCHES U.N.O
A400	7	WATER BOX
A400	8	SOLID SURFACE SPLASH GUARD SEE A621/C2
A400	9	PROVIDE BLOCKING AS REQUIRED. COORDINATE POWER AND DATA WITH MEP DRAWINGS.
A400	10	PROVIDE LOCK AND KNOB HANDLE ON STAFF SIDE AT SLIDING WINDOW
A400	11	ALIGN
A400	12	TASK LIGHTING
A400	13	EYEWASH STATION. SEE PLUMBING DRAWINGS FOR ADDTIONAL INFORMATION
A400	14	GROMMET AS REQUIRED, COORDINATE LOCATION WITH OWNER

LEGEND

- A — WINDOW / CURTAIN WALL TAG
- SA3.0 — WALL TAG
- 01 — KEYNOTE
- TA-1 — TOILET ACCESSORY TAG SEE A421 FOR SCHEDULE
- EQ-XX — EQUIPMENT TAG SEE A900 SERIES
- TC — TIME CLOCK OFCI

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED — SEAL 17108 — KAY MARIE CONNELLY — 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

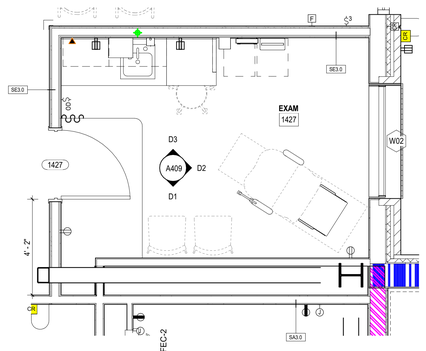
SHEET ISSUE:

NO.	DATE	DESCRIPTION

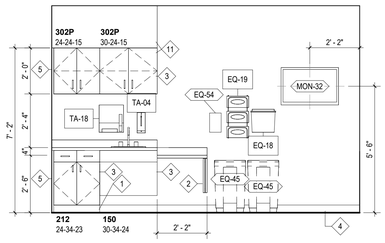
PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
ENLARGED PLANS & ELEVATIONS - CLINIC

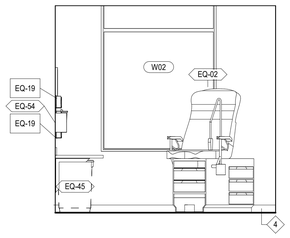
SHEET NO. A408
PROJ. NO. 024370.01



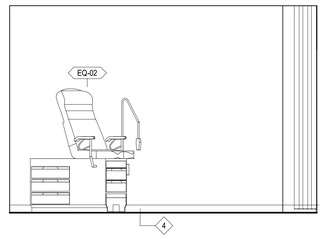
D4 A409 **ENLARGED PLAN - EXAM 1427**
3/8" = 1'-0"



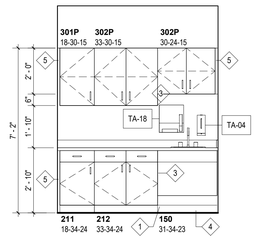
D3 A409 **EXAM 1427- NORTH**
3/8" = 1'-0"



D2 A409 **EXAM 1427-EAST**
3/8" = 1'-0"



D1 A409 **EXAM 1427-SOUTH**
3/8" = 1'-0"



C1 A409 **ANTE RM 1430 - EAST**
3/8" = 1'-0"

MILLWORK GENERAL NOTE

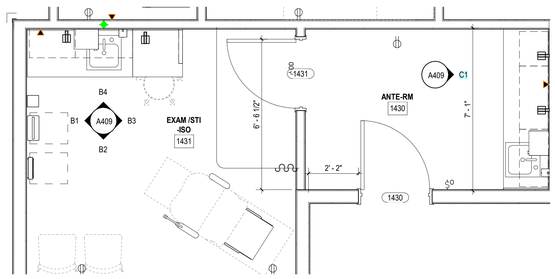
1. PAPER TOWEL (TA-18) AND SOAP (TA -04) TO BE LOCATED AT ALL SINK LOCATIONS. SEE ELEVATIONS FOR PLACEMENT. SEE A421 FOR TOILET ACCESSORY INFORMATION.
2. SEE DETAILS AND REFLECTED CEILING PLANS FOR SOFFIT TYPE AT UPPER CABINET LOCATIONS.
3. REFER TO FINISH SHEETS, MATERIAL LIST, AND MILLWORK SECTIONS FOR MILLWORK AND COUNTERTOP FINISHES.
4. REFER TO A421 FOR TOILET ACCESSORY MOUNTING LEGEND FOR VERTICAL AND HORIZONTAL PLACEMENT OF ALL ACCESSORIES U.N.O.
5. SEE A001 FOR DIMENSIONS OF WHEELCHAIR TURNING SPACE

A400 SERIES KEYNOTES

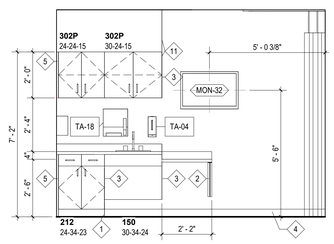
Sheet Series	Number	400 SERIES KEYED NOTES
A400	1	1/2" TOE KICK AT THIS LOCATION. SEE DETAIL C5/A621.
A400	2	RAKKS BRACKET EHR-1818. UNDERCOUNTER SUPPORT BRACKETS ARE NOT TO EXCEED 3' SPACING IN ALL LOCATIONS U.N.O. ALL BRACKETS ARE TO BE PAINTED TO MATCH ADJACENT SURAFACES U.N.O.
A400	3	PROVIDE FINISHED PANEL AT OPEN FACE OF MILLWORK
A400	4	BASE AS SCHEDULED
A400	5	FILLER PANEL NOT TO EXCEED 1.5 INCHES U.N.O
A400	7	WATER BOX
A400	8	SOLID SURFACE SPLASH GUARD SEE A621/C2
A400	9	PROVIDE BLOCKING AS REQUIRED. COORDINATE POWER AND DATA WITH MEP DRAWINGS.
A400	10	PROVIDE LOCK AND KNOB HANDLE ON STAFF SIDE AT SLIDING WINDOW
A400	11	ALIGN
A400	12	TASK LIGHTING
A400	13	EYEWASH STATION. SEE PLUMBING DRAWINGS FOR ADDTIONAL INFORMATION
A400	14	GROMMET AS REQUIRED, COORDINATE LOCATION WITH OWNER

LEGEND

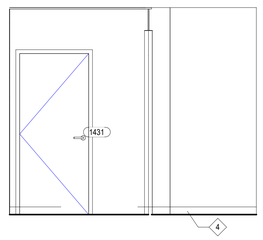
- A — WINDOW / CURTAIN WALL TAG
- SA3.0 — WALL TAG
- 01 — KEYNOTE
- TA-1 — TOILET ACCESSORY TAG SEE A421 FOR SCHEDULE
- EQ-XX — EQUIPMENT TAG SEE A900 SERIES
- TC — TIME CLOCK OFCI



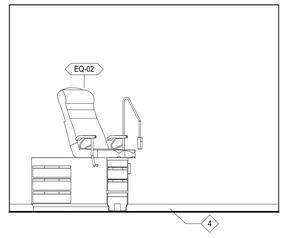
B5 A409 **ENLARGED PLAN - EXAM/STI-ISO 1431 & ANTE-RM 1430**
3/8" = 1'-0"



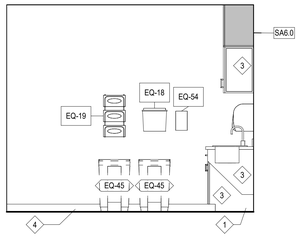
B4 A409 **EXAM/STI-ISO 1431 - NORTH**
3/8" = 1'-0"



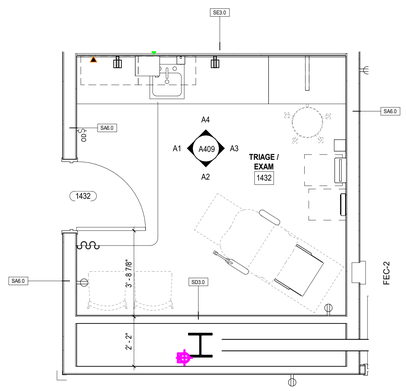
B3 A409 **EXAM/STI-ISO 1431 - EAST**
3/8" = 1'-0"



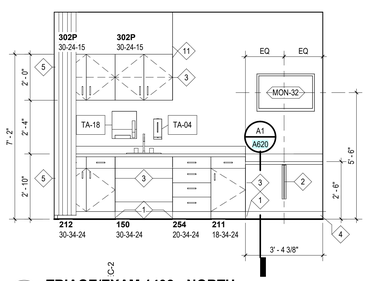
B2 A409 **EXAM/STI-ISO 1431 - SOUTH**
3/8" = 1'-0"



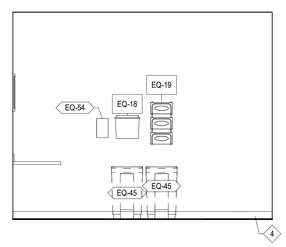
B1 A409 **EXAM/STI-ISO 1431 - WEST**
3/8" = 1'-0"



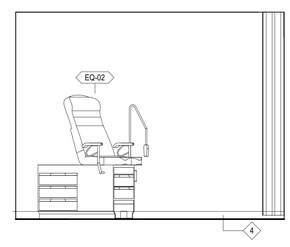
A5 A409 **ENLARGED PLAN - TRIAGE/EXAM 1432**
3/8" = 1'-0"



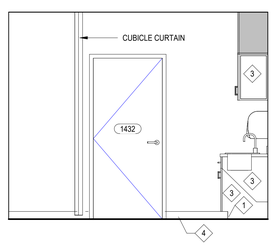
A4 A409 **TRIAGE/EXAM 1432 - NORTH**
3/8" = 1'-0"



A3 A409 **TRIAGE/EXAM 1432 - EAST**
3/8" = 1'-0"



A2 A409 **TRIAGE/EXAM 1432 - SOUTH**
3/8" = 1'-0"



A1 A409 **TRIAGE/EXAM 1432 - WEST**
3/8" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERTIFIED ARCHITECTURAL CORPORATION CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 37105 KAY MARIE CONNELLY 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

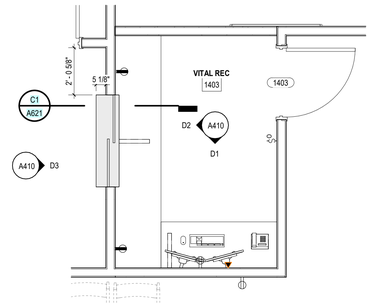
PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
ENLARGED PLANS & ELEVATIONS - CLINIC

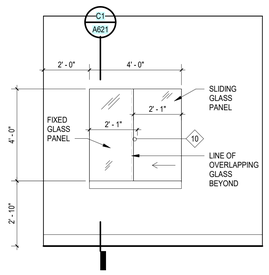
SHEET NO. A409

PROJ. NO. 024370.01

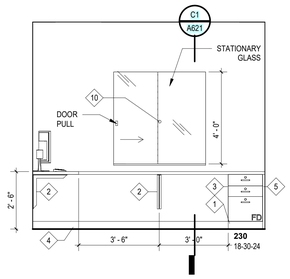
4/2/2026 12:21:09 PM - Autodesk Docs://2025.01 @ Brunswick County Health & Human Services/BCO_Brunswick County Health and Human Services_R25_v1.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON AT WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT WITH THE EXCEPTION OF THE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR STORED IN ACCORDANCE WITH MCMILLAN PAZDAN SMITH ARCHITECTURE'S RECORD RETENTION POLICY. ALL REPRODUCTIONS OF THESE MATERIALS PER AGREEMENT WITH THE OWNER AND COPYRIGHT LAW SHALL CONTAIN THIS STATEMENT. ANY REUSE OF THESE MATERIALS WITHOUT THE WRITTEN PERMISSION OF MCMILLAN PAZDAN SMITH ARCHITECTURE FOR THE SPECIFIC PROJECT SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO MCMILLAN PAZDAN SMITH ARCHITECTURE AND THE USER SHALL INDEMNIFY AND HOLD HARMLESS MCMILLAN PAZDAN SMITH ARCHITECTURE FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH.
ALL RIGHTS RESERVED



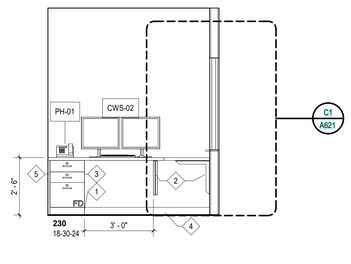
D4 A410 **ENLARGED PLAN - VITAL REC 1403**
3/8" = 1'-0"



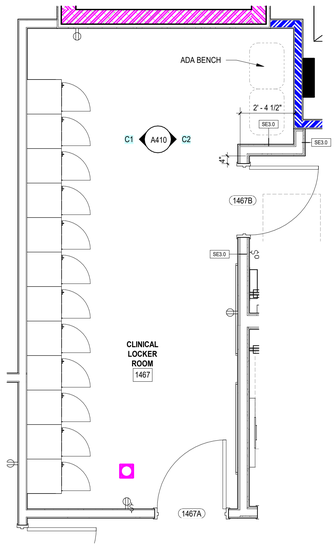
D3 A410 **VITAL REC 1403 - EAST**
3/8" = 1'-0"



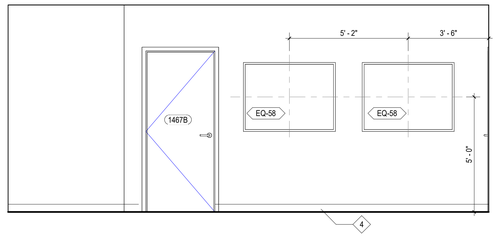
D2 A410 **VITAL REC 1403 - WEST**
3/8" = 1'-0"



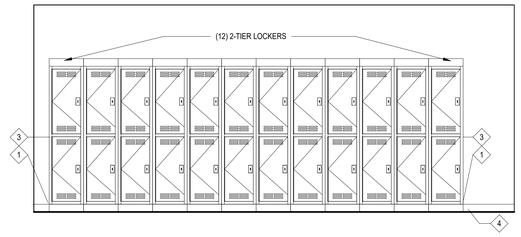
D1 A410 **VITAL REC 1403 - SOUTH**
3/8" = 1'-0"



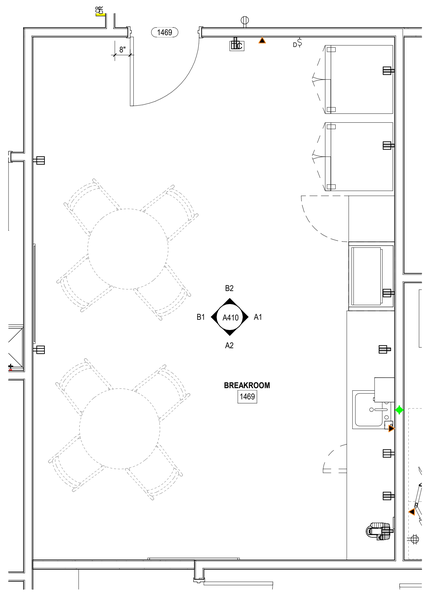
C3 A410 **ENLARGED PLAN - CLINICAL LOCKER ROOM 1467**
3/8" = 1'-0"



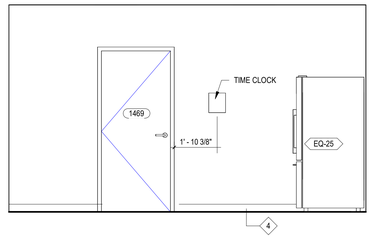
C2 A410 **CLINICAL LOCKER ROOM 1467 - EAST**
3/8" = 1'-0"



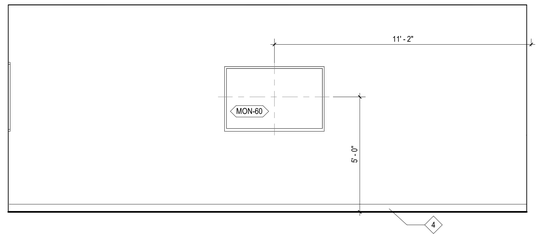
C1 A410 **CLINICAL LOCKER ROOM 1467 - WEST**
3/8" = 1'-0"



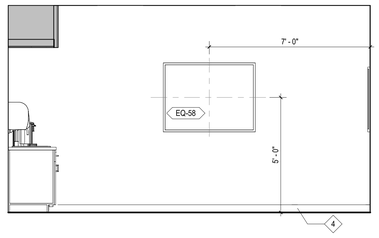
A3 A410 **ENLARGED PLAN - BREAKROOM 1469**
3/8" = 1'-0"



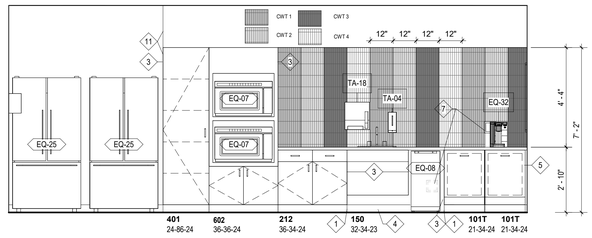
B2 A410 **BREAKROOM 1469 - NORTH**
3/8" = 1'-0"



B1 A410 **BREAKROOM 1469 - WEST**
3/8" = 1'-0"



A2 A410 **BREAKROOM 1469 - SOUTH**
3/8" = 1'-0"



A1 A410 **BREAKROOM 1469 - EAST**
3/8" = 1'-0"

MILLWORK GENERAL NOTE

1. PAPER TOWEL (TA-18) AND SOAP (TA -04) TO BE LOCATED AT ALL SINK LOCATIONS. SEE ELEVATIONS FOR PLACEMENT. SEE A421 FOR TOILET ACCESSORY INFORMATION.
2. SEE DETAILS AND REFLECTED CEILING PLANS FOR SOFFIT TYPE AT UPPER CABINET LOCATIONS.
3. REFER TO FINISH SHEETS, MATERIAL LIST, AND MILLWORK SECTIONS FOR MILLWORK AND COUNTERTOP FINISHES.
4. REFER TO A421 FOR TOILET ACCESSORY MOUNTING LEGEND FOR VERTICAL AND HORIZONTAL PLACEMENT OF ALL ACCESSORIES U.N.O.
5. SEE A001 FOR DIMENSIONS OF WHEELCHAIR TURNING SPACE

A400 SERIES KEYNOTES

Sheet Series	Number	400 SERIES KEYED NOTES
A400	1	1/2" TOE KICK AT THIS LOCATION. SEE DETAIL C5/A621.
A400	2	RAKKS BRACKET EHR-1818. UNDERCOUNTER SUPPORT BRACKETS ARE NOT TO EXCEED 3' SPACING IN ALL LOCATIONS U.N.O. ALL BRACKETS ARE TO BE PAINTED TO MATCH ADJACENT SURAFACES U.N.O.
A400	3	PROVIDE FINISHED PANEL AT OPEN FACE OF MILLWORK
A400	4	BASE AS SCHEDULED
A400	5	FILLER PANEL NOT TO EXCEED 1.5 INCHES U.N.O
A400	7	WATER BOX
A400	8	SOLID SURFACE SPLASH GUARD SEE A621/C2
A400	9	PROVIDE BLOCKING AS REQUIRED. COORDINATE POWER AND DATA WITH MEP DRAWINGS.
A400	10	PROVIDE LOCK AND KNOB HANDLE ON STAFF SIDE AT SLIDING WINDOW
A400	11	ALIGN
A400	12	TASK LIGHTING
A400	13	EYEWASH STATION. SEE PLUMBING DRAWINGS FOR ADDTIONAL INFORMATION
A400	14	GROMMET AS REQUIRED, COORDINATE LOCATION WITH OWNER

LEGEND

A	WINDOW / CURTAIN WALL TAG
SA3.0	WALL TAG
01	KEYNOTE
TA-1	TOILET ACCESSORY TAG SEE A421 FOR SCHEDULE
EQ-XX	EQUIPMENT TAG SEE A900 SERIES
TC	TIME CLOCK OFCI

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERT. NO. 54314 REGISTERED ARCHITECTURAL CORPORATION CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 37305 LEE MARIE CONNELLY 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
ENLARGED PLANS & ELEVATIONS - CLINIC SUPPORT & VITAL RECORDS

PROJ. NO. 024370.01

A410

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON AND WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SURRENDERED ON DEMAND BY MCMILLAN PAZDAN SMITH ARCHITECTURE AT THE COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE OR OTHER COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE; ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT WITH THE EXCEPTION OF THE CONTRACT SET FOR EACH PARTY TO THE CONTRACT; SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THIS PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

MILLWORK GENERAL NOTE

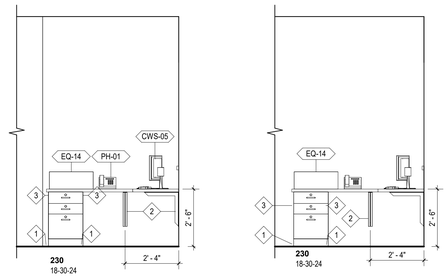
1. PAPER TOWEL (TA-18) AND SOAP (TA -04) TO BE LOCATED AT ALL SINK LOCATIONS. SEE ELEVATIONS FOR PLACEMENT. SEE A421 FOR TOILET ACCESSORY INFORMATION.
2. SEE DETAILS AND REFLECTED CEILING PLANS FOR SOFFIT TYPE AT UPPER CABINET LOCATIONS.
3. REFER TO FINISH SHEETS, MATERIAL LIST, AND MILLWORK SECTIONS FOR MILLWORK AND COUNTERTOP FINISHES.
4. REFER TO A421 FOR TOILET ACCESSORY MOUNTING LEGEND FOR VERTICAL AND HORIZONTAL PLACEMENT OF ALL ACCESSORIES U.N.O.
5. SEE A901 FOR DIMENSIONS OF WHEELCHAIR TURNING SPACE

A400 SERIES KEYNOTES

Sheet Series	Number	400 SERIES KEYED NOTES
A400	1	1/2" TOE KICK AT THIS LOCATION. SEE DETAIL C5/A621
A400	2	RAKKS BRACKET EHR-1918. UNDERCOUNTER SUPPORT BRACKETS ARE NOT TO EXCEED 3' SPACING IN ALL LOCATIONS U.N.O. ALL BRACKETS ARE TO BE PAINTED TO MATCH ADJACENT SURAFACES U.N.O.
A400	3	PROVIDE FINISHED PANEL AT OPEN FACE OF MILLWORK
A400	4	BASE AS SCHEDULED
A400	5	FILLER PANEL NOT TO EXCEED 1.5 INCHES U.N.O
A400	7	WATER BOX
A400	8	SOLID SURFACE SPLASH GUARD SEE A621/C2
A400	9	PROVIDE BLOCKING AS REQUIRED. COORDINATE POWER AND DATA WITH MEP DRAWINGS.
A400	10	PROVIDE LOCK AND KNOB HANDLE ON STAFF SIDE AT SLIDING WINDOW
A400	11	ALIGN
A400	12	TASK LIGHTING
A400	13	EYEWASH STATION. SEE PLUMBING DRAWINGS FOR ADDTIONAL INFORMATION
A400	14	GROMMET AS REQUIRED. COORDINATE LOCATION WITH OWNER

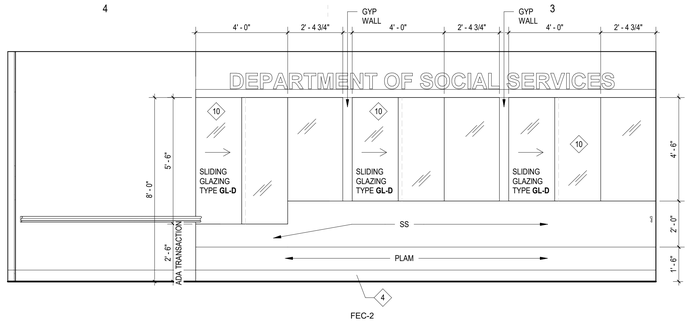
LEGEND

- A — WINDOW / CURTAIN WALL TAG
- SA3.0 — WALL TAG
- D1 — KEYNOTE
- TA-1 — TOILET ACCESSORY TAG SEE A421 FOR SCHEDULE
- EQ-XX — EQUIPMENT TAG SEE A900 SERIES
- TC — TIME CLOCK OFCI

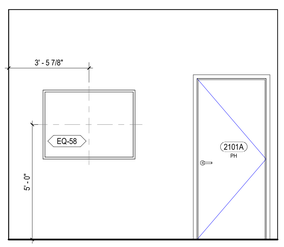


E4 / A411 **RECEPTION 2101 - EAST - A** 3/8" = 1'-0"

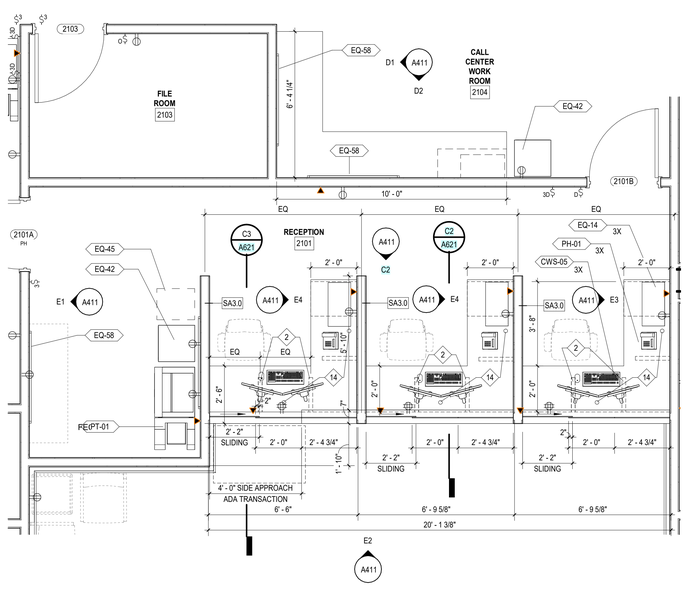
E3 / A411 **RECEPTION 2101 - EAST - B** 3/8" = 1'-0"



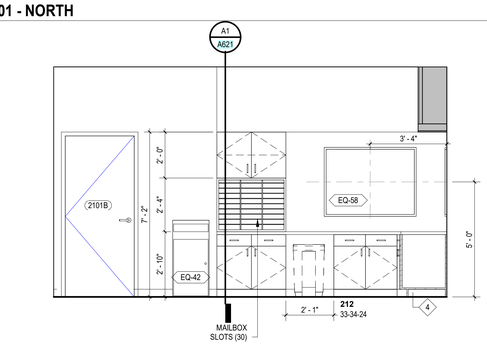
E2 / A411 **RECEPTION 2101 - NORTH** 3/8" = 1'-0"



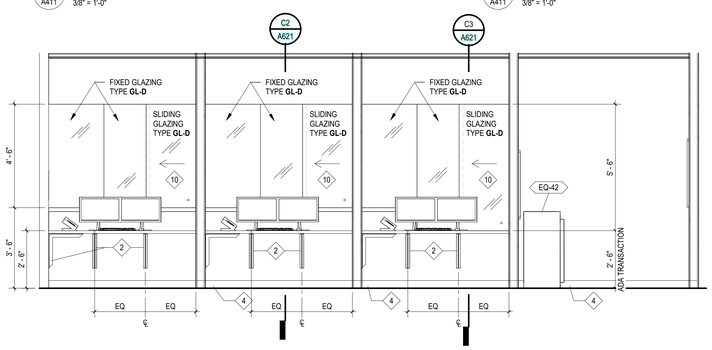
E1 / A411 **RECEPTION 2101 - WEST** 3/8" = 1'-0"



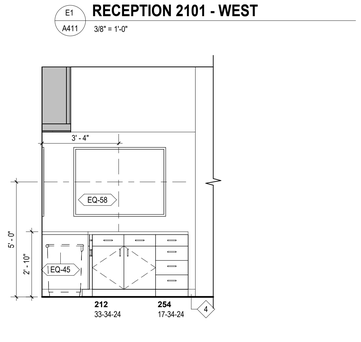
C3 / A411 **ENLARGED PLAN - DSS RECEPTION** 3/8" = 1'-0"



D2 / A411 **CALL CENTER WORK ROOM 2104 - SOUTH** 3/8" = 1'-0"



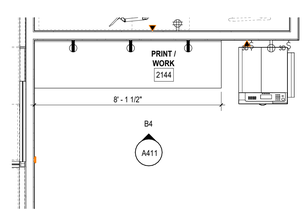
C2 / A411 **RECEPTION 2101 - SOUTH** 3/8" = 1'-0"



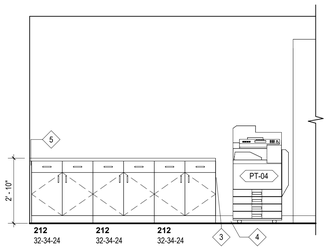
D1 / A411 **CALL CENTER WORK ROOM 2104 - WEST** 3/8" = 1'-0"



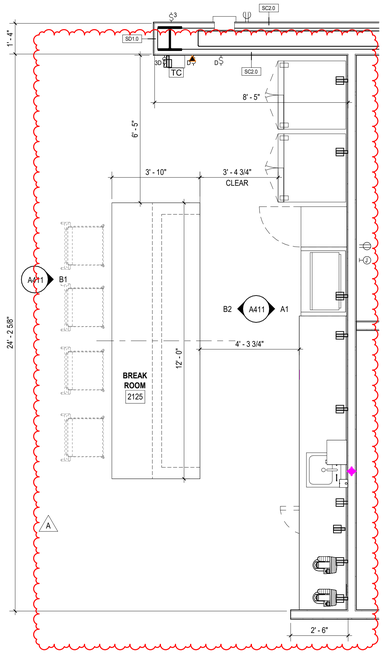
C1 / A411 **OPEN BREAKROOMS (2125,3137, 4231) - DESIGN INTENT** 1" = 1'-0"



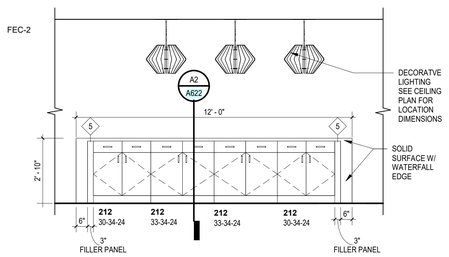
B5 / A411 **ENLARGED PLAN - PRINT/WORK 2144** 3/8" = 1'-0"



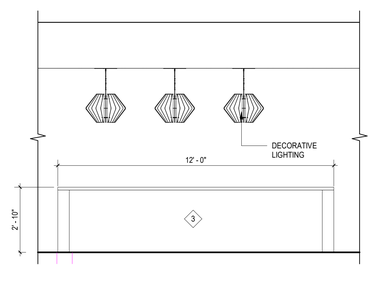
B4 / A411 **PRINT/WORK 2144 - NORTH** 3/8" = 1'-0"



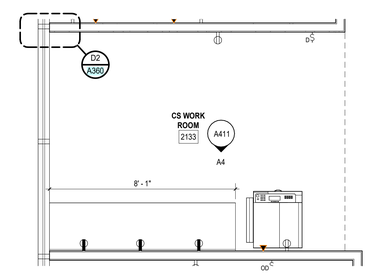
A2 / A411 **ENLARGED PLAN - BREAK ROOM 2125** 3/8" = 1'-0"



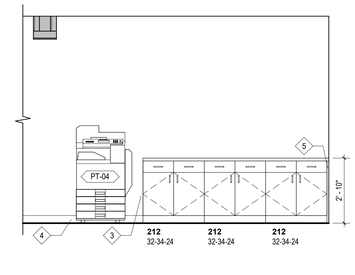
B2 / A411 **BREAK ROOM 2125 - WEST** 3/8" = 1'-0"



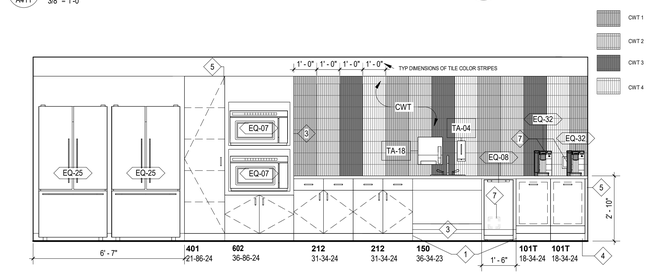
B1 / A411 **BREAK ROOM 2125 - EAST FRONT BAR** 3/8" = 1'-0"



A5 / A411 **ENLARGED PLAN - CS WORK ROOM 2133** 3/8" = 1'-0"



A4 / A411 **CS WORK ROOM 2133 - SOUTH** 3/8" = 1'-0"



B1 / A411 **BREAK ROOM 2125 - EAST** 3/8" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17108 — KAY MARIE CONNELLY — 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

FEC-2

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

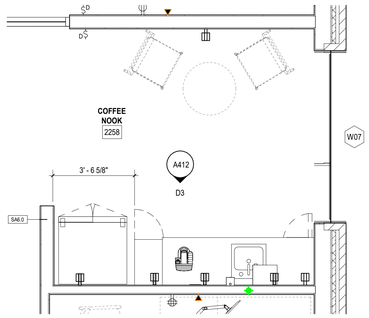
PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:

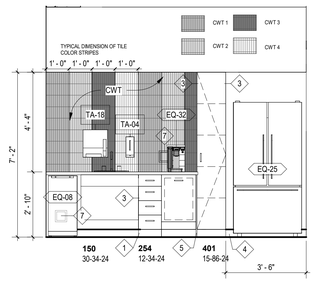
ENLARGED PLANS & ELEVATIONS - LEVEL 2 AREA A

SHEET NO. A411

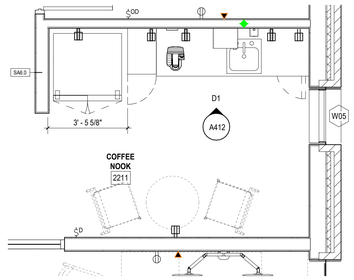
PROJ. NO. 024370.01



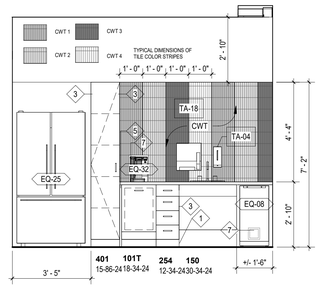
D4 A412 **ENLARGED PLAN - COFFEE NOOK 2258**
3/8" = 1'-0"



D3 A412 **COFFEE NOOK 2258 - SOUTH**
3/8" = 1'-0"



D2 A412 **ENLARGED PLAN - COFFEE NOOK 2211**
3/8" = 1'-0"



D1 A412 **COFFEE NOOK 2211 - NORTH**
3/8" = 1'-0"

MILLWORK GENERAL NOTE

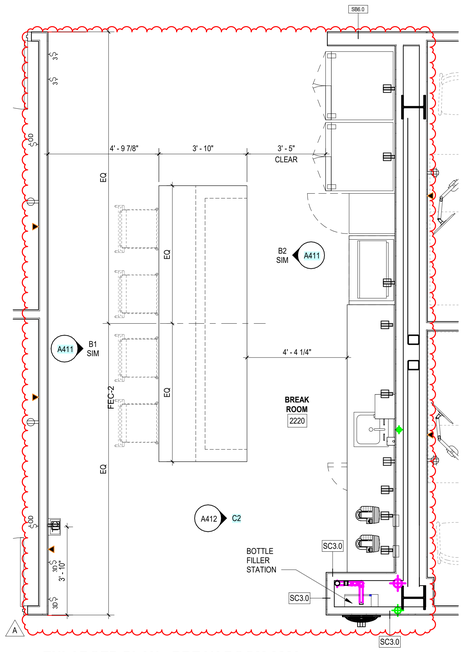
1. PAPER TOWEL (TA-18) AND SOAP (TA -04) TO BE LOCATED AT ALL SINK LOCATIONS. SEE ELEVATIONS FOR PLACEMENT. SEE A421 FOR TOILET ACCESSORY INFORMATION.
2. SEE DETAILS AND REFLECTED CEILING PLANS FOR SOFFIT TYPE AT UPPER CABINET LOCATIONS.
3. REFER TO FINISH SHEETS, MATERIAL LIST, AND MILLWORK SECTIONS FOR MILLWORK AND COUNTERTOP FINISHES.
4. REFER TO A421 FOR TOILET ACCESSORY MOUNTING LEGEND FOR VERTICAL AND HORIZONTAL PLACEMENT OF ALL ACCESSORIES U.N.O.
5. SEE A001 FOR DIMENSIONS OF WHEELCHAIR TURNING SPACE

A400 SERIES KEYNOTES

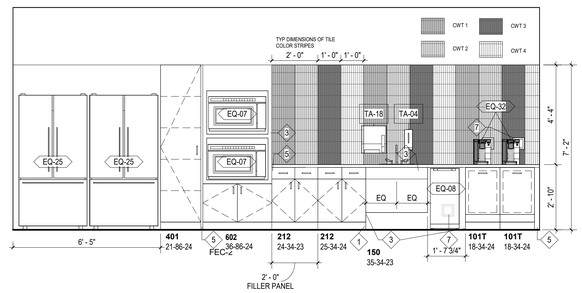
Sheet Series	Number	400 SERIES KEYED NOTES
A400	1	1/2" TOE KICK AT THIS LOCATION. SEE DETAIL C5/A621.
A400	2	RAKKS BRACKET EHR-1818. UNDERCOUNTER SUPPORT BRACKETS ARE NOT TO EXCEED 3' SPACING IN ALL LOCATIONS U.N.O. ALL BRACKETS ARE TO BE PAINTED TO MATCH ADJACENT SURAFACES U.N.O.
A400	3	PROVIDE FINISHED PANEL AT OPEN FACE OF MILLWORK
A400	4	BASE AS SCHEDULED
A400	5	FILLER PANEL NOT TO EXCEED 1.5 INCHES U.N.O
A400	7	WATER BOX
A400	8	SOLID SURFACE SPLASH GUARD SEE A621/C2
A400	9	PROVIDE BLOCKING AS REQUIRED. COORDINATE POWER AND DATA WITH MEP DRAWINGS.
A400	10	PROVIDE LOCK AND KNOB HANDLE ON STAFF SIDE AT SLIDING WINDOW
A400	11	ALIGN
A400	12	TASK LIGHTING
A400	13	EYEWASH STATION. SEE PLUMBING DRAWINGS FOR ADDTIONAL INFORMATION
A400	14	GROMMET AS REQUIRED, COORDINATE LOCATION WITH OWNER

LEGEND

- A — WINDOW / CURTAIN WALL TAG
- SA3.0 — WALL TAG
- 01 — KEYNOTE
- TA-1 — TOILET ACCESSORY TAG SEE A421 FOR SCHEDULE
- EQ-XX — EQUIPMENT TAG SEE A900 SERIES
- TC — TIME CLOCK OFCI



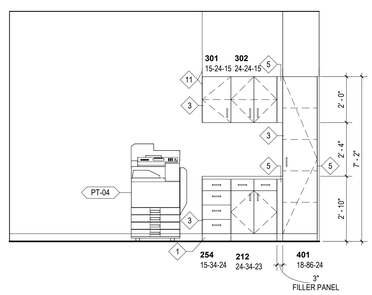
B4 A412 **ENLARGED PLAN - BREAK ROOM 2220**
3/8" = 1'-0"



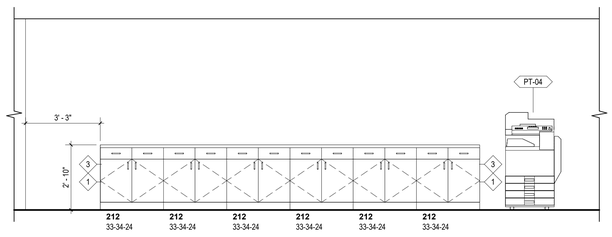
C2 A412 **BREAK ROOM 2220 - EAST**
3/8" = 1'-0"



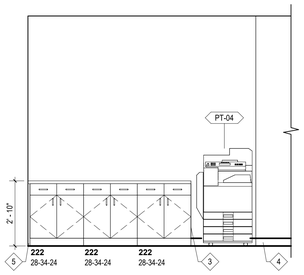
C1 A412 **BREAK ROOM 2220 (DESIGN INTENT)**
1" = 1'-0"



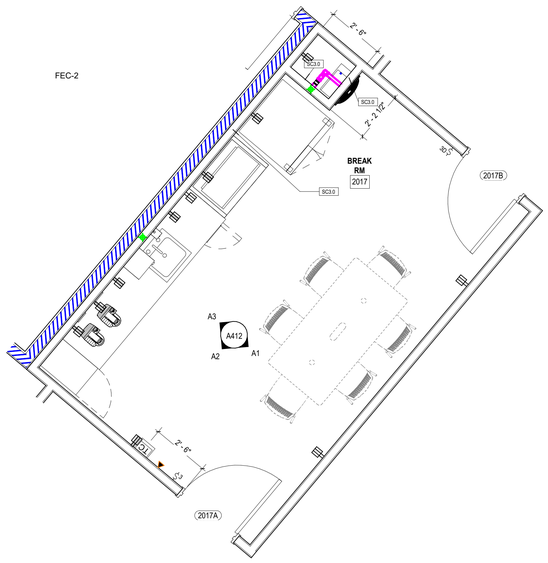
B3 A412 **PRINT 2024 - EAST**
3/8" = 1'-0"



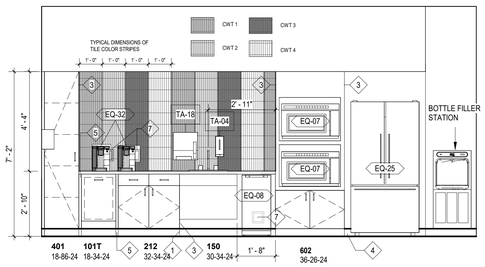
B2 A412 **PRINT/WORK 2238 - WEST**
3/8" = 1'-0"



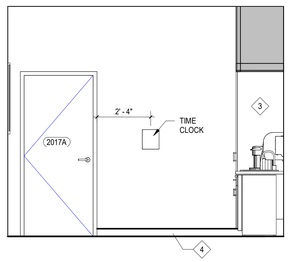
B1 A412 **PRINT 2261 - WEST**
3/8" = 1'-0"



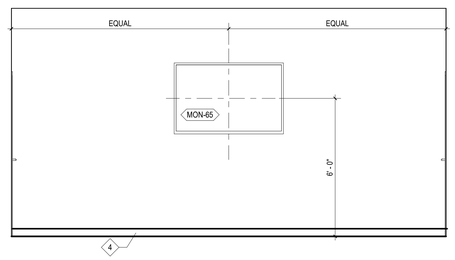
A4 A412 **ENLARGED PLAN - BREAK RM 2017**
3/8" = 1'-0"



A3 A412 **BREAK RM 2017 - WEST**
3/8" = 1'-0"



A2 A412 **BREAK RM 2017 - SOUTH**
3/8" = 1'-0"



A1 A412 **BREAK RM 2017 - EAST**
3/8" = 1'-0"

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE, ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF THE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR DELIVERED TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON DEMAND BY MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE NOT TO BE CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY, WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. IN THE EVENT OF UNAUTHORIZED REUSE OF THESE PLANS BY ANY PARTY FOR ANY OTHER PROJECT OR EXTENSION TO THIS PROJECT OR ANY OTHER SITE WITHOUT WRITTEN AGREEMENT AND PROPER COMPENSATION TO MCMILLAN PAZDAN SMITH ARCHITECTURE, THE PARTY AUTHORIZING SUCH REUSE AND EXTENSION AND ANY PARTY REUSING THE PLANS WITHOUT AUTHORIZATION WILL BE HELD LEGALLY RESPONSIBLE FOR ANY AND ALL DAMAGES, INCLUDING BUT NOT LIMITED TO ANY CONSEQUENTIAL DAMAGES, RESULTING FROM SUCH REUSE. ANY SUCH UNAUTHORIZED REUSE WILL BE CONSIDERED AN INFRINGEMENT OF COPYRIGHT AND MAY BE SUBJECT TO CIVIL AND CRIMINAL PENALTIES. ACCEPTANCE OF THESE PLANS CONSTITUTES ACCEPTANCE OF THE TERMS OF THIS NOTICE.
ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. — CERT. NO. 54314 — REGISTERED ARCHITECTURAL CORPORATION — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED — SEAL 37105 — KAY MARIE CONNELLY — 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/26	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:

ENLARGED PLANS & ELEVATIONS - LEVEL 2 AREA B

SHEET NO. A412

PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTS ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTS. THESE MUTERIALS ARE TO BE USED ON AND IN RESPECT TO THIS PROJECT AND NOT TO BE USED FOR ANY OTHER PROJECT. WITH THE EXCEPTION OF SIGNING CONTRACTS BY EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTS UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTS' COPYRIGHT OR OTHER RESERVED RIGHTS. © COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

MILLWORK GENERAL NOTE

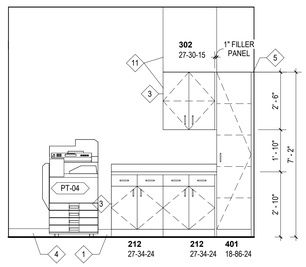
1. PAPER TOWEL (TA-18) AND SOAP (TA -04) TO BE LOCATED AT ALL SINK LOCATIONS. SEE ELEVATIONS FOR PLACEMENT. SEE A421 FOR TOILET ACCESSORY INFORMATION.
2. SEE DETAILS AND REFLECTED CEILING PLANS FOR SOFFIT TYPE AT UPPER CABINET LOCATIONS.
3. REFER TO FINISH SHEETS, MATERIAL LIST, AND MILLWORK SECTIONS FOR MILLWORK AND COUNTERTOP FINISHES.
4. REFER TO A421 FOR TOILET ACCESSORY MOUNTING LEGEND FOR VERTICAL AND HORIZONTAL PLACEMENT OF ALL ACCESSORIES U.N.O.
5. SEE A001 FOR DIMENSIONS OF WHEELCHAIR TURNING SPACE

A400 SERIES KEYNOTES

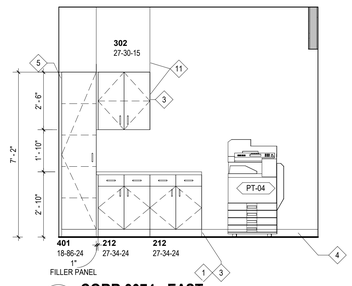
Sheet Series	Number	400 SERIES KEYED NOTES
A400	1	1/2" TOE KICK AT THIS LOCATION. SEE DETAIL C5/A621.
A400	2	RAKKS BRACKET EHR-1818. UNDERCOUNTER SUPPORT BRACKETS ARE NOT TO EXCEED 3' SPACING IN ALL LOCATIONS U.N.O. ALL BRACKETS ARE TO BE PAINTED TO MATCH ADJACENT SURAFACES U.N.O.
A400	3	PROVIDE FINISHED PANEL AT OPEN FACE OF MILLWORK
A400	4	BASE AS SCHEDULED
A400	5	FILLER PANEL NOT TO EXCEED 1.5 INCHES U.N.O
A400	7	WATER BOX
A400	8	SOLID SURFACE SPLASH GUARD SEE A621/C2
A400	9	PROVIDE BLOCKING AS REQUIRED. COORDINATE POWER AND DATA WITH MEP DRAWINGS.
A400	10	PROVIDE LOCK AND KNOB HANDLE ON STAFF SIDE AT SLIDING WINDOW
A400	11	ALIGN
A400	12	TASK LIGHTING
A400	13	EYEWASH STATION. SEE PLUMBING DRAWINGS FOR ADDTIONAL INFORMATION
A400	14	GROMMET AS REQUIRED, COORDINATE LOCATION WITH OWNER

LEGEND

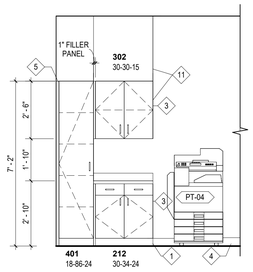
- A — WINDOW / CURTAIN WALL TAG
- SA3.0 — WALL TAG
- 01 — KEYNOTE
- TA-1 — TOILET ACCESSORY TAG SEE A421 FOR SCHEDULE
- EQ-XX — EQUIPMENT TAG SEE A900 SERIES
- TC — TIME CLOCK OFCI



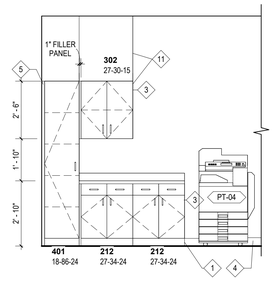
C4 / A413 **PRINTER ALCOVE 3139 - EAST**
3/8" = 1'-0"



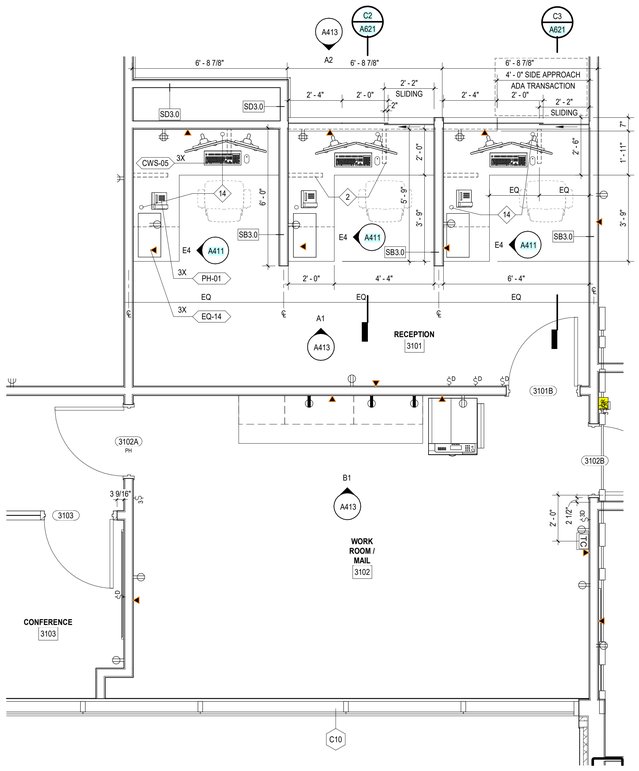
C3 / A413 **CORR 3074 - EAST**
3/8" = 1'-0"



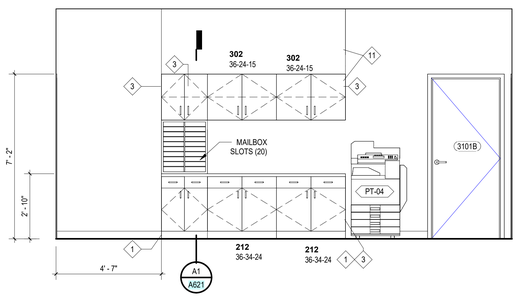
C2 / A413 **PRINT ALCOVE 3175 - NORTH**
3/8" = 1'-0"



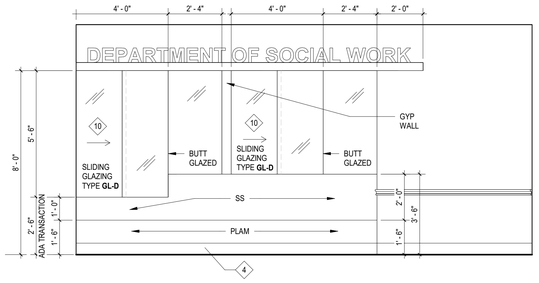
C1 / A413 **CONFERENCE 3103 - EAST**
3/8" = 1'-0"



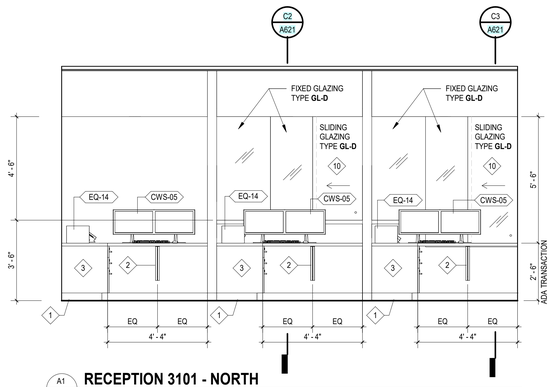
A3 / A413 **ENLARGED PLAN - RECEPTION 3101 & WORK ROOM/MAIL 3102**
3/8" = 1'-0"



B1 / A413 **WORK ROOM/MAIL 3102 - NORTH**
3/8" = 1'-0"



A2 / A413 **RECEPTION 3101 - SOUTH**
3/8" = 1'-0"



A1 / A413 **RECEPTION 3101 - NORTH**
3/8" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17105 ANNE MARIE CONNELLY 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

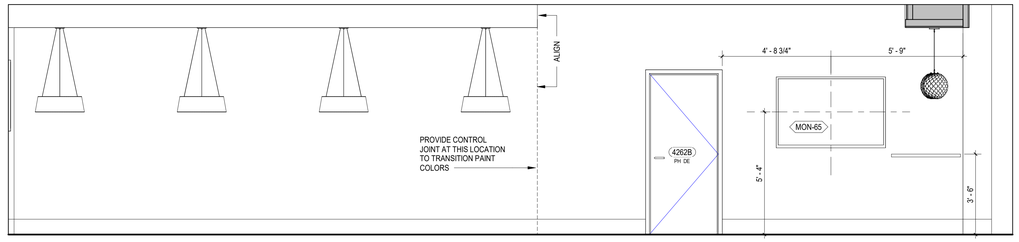
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

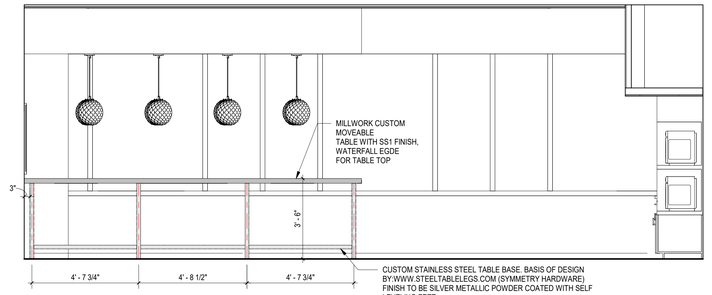
SHEET TITLE:
ENLARGED PLANS & ELEVATIONS - LEVEL 3 SW

SHEET NO. A413
PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE INSTRUMENTS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY DESTROYED AT THE END OF THE PROJECT. THEY ARE NOT TO BE USED BY ANY PARTY ON ANY OTHER PROJECT, FOR ADDITIONS TO THIS PROJECT OR FOR COMPLETION OF THIS PROJECT BY OTHERS WITHOUT THE SPECIFIC WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THIS PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED



E2 A414 **DINING 4262- WEST**
3/8" = 1'-0"



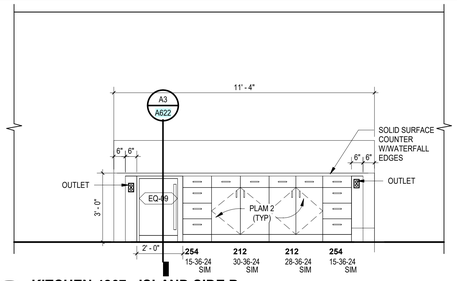
E1 A414 **DINING 4262 - NORTH A**
3/8" = 1'-0"

MILLWORK GENERAL NOTE

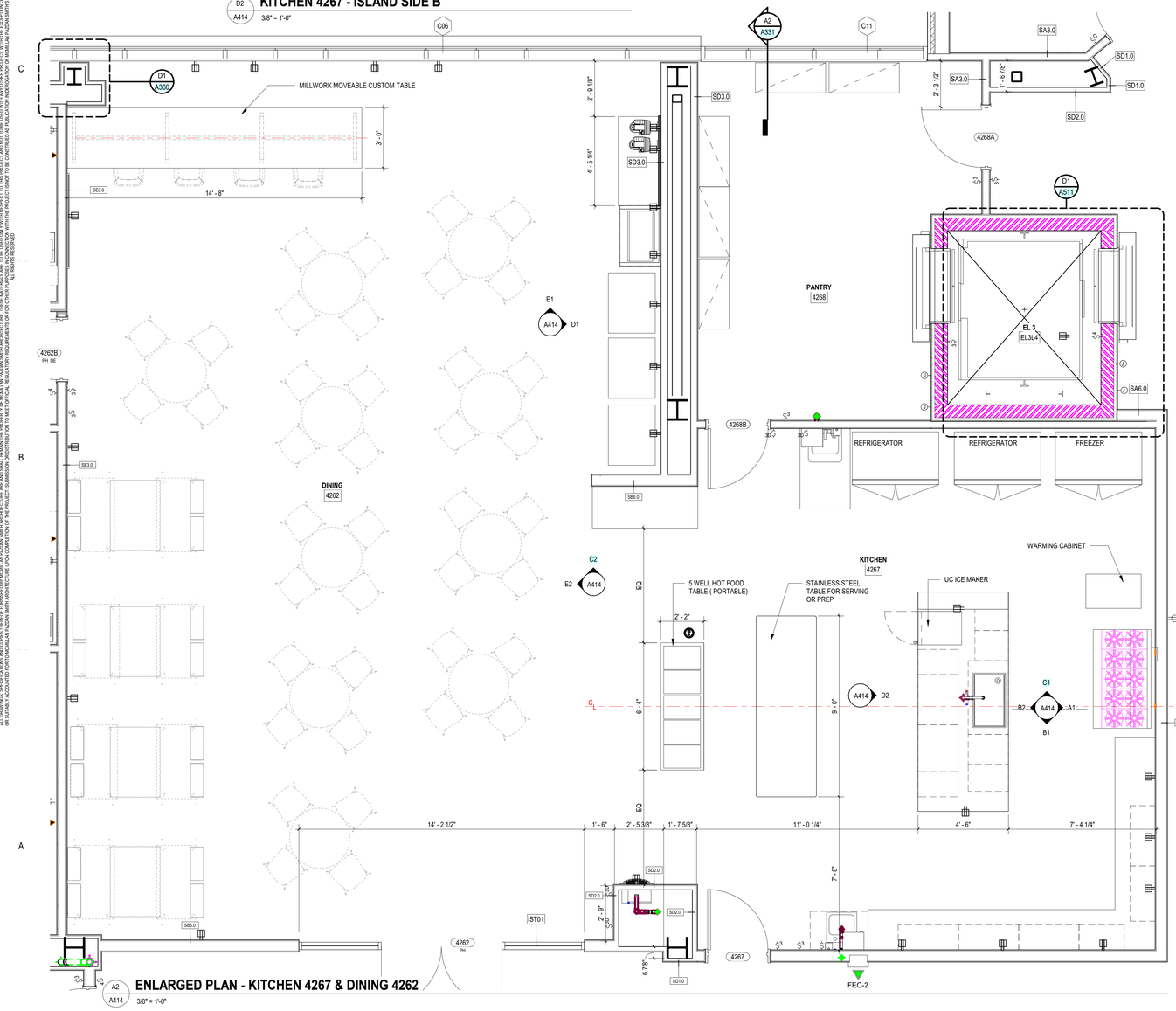
1. PAPER TOWEL (TA-18) AND SOAP (TA -04) TO BE LOCATED AT ALL SINK LOCATIONS. SEE ELEVATIONS FOR PLACEMENT. SEE A421 FOR TOILET ACCESSORY INFORMATION.
2. SEE DETAILS AND REFLECTED CEILING PLANS FOR SOFFIT TYPE AT UPPER CABINET LOCATIONS.
3. REFER TO FINISH SHEETS, MATERIAL LIST, AND MILLWORK SECTIONS FOR MILLWORK AND COUNTERTOP FINISHES.
4. REFER TO A421 FOR TOILET ACCESSORY MOUNTING LEGEND FOR VERTICAL AND HORIZONTAL PLACEMENT OF ALL ACCESSORIES U.N.O.
5. SEE A001 FOR DIMENSIONS OF WHEELCHAIR TURNING SPACE

A400 SERIES KEYNOTES

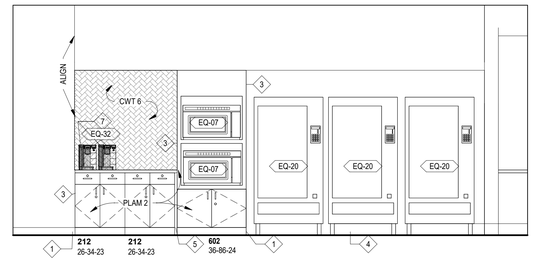
Sheet Series	Number	400 SERIES KEYED NOTES
A400	1	1/2" TOE KICK AT THIS LOCATION. SEE DETAIL C5/A621.
A400	2	RAKKS BRACKET EHR-1818. UNDERCOUNTER SUPPORT BRACKETS ARE NOT TO EXCEED 3' SPACING IN ALL LOCATIONS U.N.O. ALL BRACKETS ARE TO BE PAINTED TO MATCH ADJACENT SURAFACES U.N.O.
A400	3	PROVIDE FINISHED PANEL AT OPEN FACE OF MILLWORK
A400	4	BASE AS SCHEDULED
A400	5	FILLER PANEL NOT TO EXCEED 1.5 INCHES U.N.O
A400	7	WATER BOX
A400	8	SOLID SURFACE SPLASH GUARD SEE A621/C2
A400	9	PROVIDE BLOCKING AS REQUIRED. COORDINATE POWER AND DATA WITH MEP DRAWINGS.
A400	10	PROVIDE LOCK AND KNOB HANDLE ON STAFF SIDE AT SLIDING WINDOW
A400	11	ALIGN
A400	12	TASK LIGHTING
A400	13	EYEWASH STATION. SEE PLUMBING DRAWINGS FOR ADDTIONAL INFORMATION
A400	14	GROMMET AS REQUIRED, COORDINATE LOCATION WITH OWNER



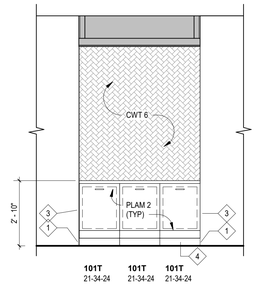
D2 A414 **KITCHEN 4267 - ISLAND SIDE B**
3/8" = 1'-0"



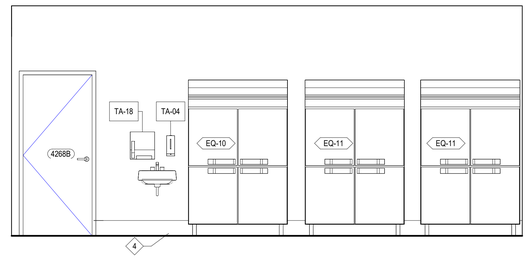
ENLARGED PLAN - KITCHEN 4267 & DINING 4262



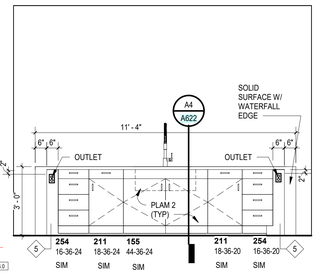
D1 A414 **DINING 4262 - EAST**
3/8" = 1'-0"



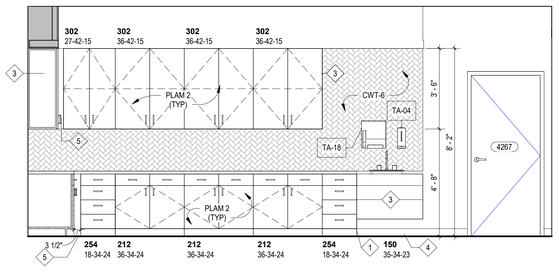
C2 A414 **DINING 4262 - NORTH B**
3/8" = 1'-0"



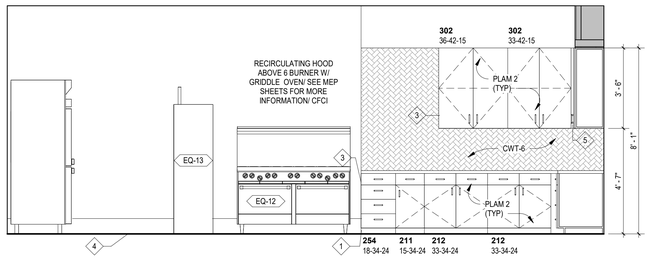
C1 A414 **KITCHEN 4267 - NORTH**
3/8" = 1'-0"



B2 A414 **KITCHEN 4267 - ISLAND WEST**
3/8" = 1'-0"



B1 A414 **KITCHEN 4267 - SOUTH**
3/8" = 1'-0"



A1 A414 **KITCHEN 4267 - EAST**
3/8" = 1'-0"

LEGEND

A	WINDOW / CURTAIN WALL TAG
SA3.0	WALL TAG
01	KEYNOTE
TA-1	TOILET ACCESSORY TAG SEE A421 FOR SCHEDULE
EQ-XX	EQUIPMENT TAG SEE A900 SERIES
TC	TIME CLOCK OFCI

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERTIFIED ARCHITECTURAL CORPORATION CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 37108 KAY MARIE CONNELLY 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
ENLARGED PLANS & ELEVATIONS - LEVEL 4 KITCHEN

SHEET NO. A414
PROJ. NO. 024370.01

MILLWORK GENERAL NOTE

1. PAPER TOWEL (TA-18) AND SOAP (TA -04) TO BE LOCATED AT ALL SINK LOCATIONS. SEE ELEVATIONS FOR PLACEMENT. SEE A421 FOR TOILET ACCESSORY INFORMATION.
2. SEE DETAILS AND REFLECTED CEILING PLANS FOR SOFFIT TYPE AT UPPER CABINET LOCATIONS.
3. REFER TO FINISH SHEETS, MATERIAL LIST, AND MILLWORK SECTIONS FOR MILLWORK AND COUNTERTOP FINISHES.
4. REFER TO A421 FOR TOILET ACCESSORY MOUNTING LEGEND FOR VERTICAL AND HORIZONTAL PLACEMENT OF ALL ACCESSORIES U.N.O.
5. SEE A001 FOR DIMENSIONS OF WHEELCHAIR TURNING SPACE

LEGEND

- A — WINDOW / CURTAIN WALL TAG
- SA3.0 — WALL TAG
- 01 — KEYNOTE
- TA-1 — TOILET ACCESSORY TAG SEE A421 FOR SCHEDULE
- EQ-XX — EQUIPMENT TAG SEE A900 SERIES
- TC — TIME CLOCK OFCI

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE DRAWINGS AND SPECIFICATIONS ARE NOT TO BE USED ON ANY PROJECT OTHER THAN THE PROJECT FOR WHICH THEY HAVE BEEN PREPARED, AND NO PART THEREOF MAY BE COPIED, DISCLOSED TO OTHERS OR USED IN CONNECTION WITH ANY WORK OR PROJECT OTHER THAN THE PROJECT, WITHOUT THE PRIOR WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. VISUAL CONTACT WITH THESE DRAWINGS OR SPECIFICATIONS SHALL CONSTITUTE PRIMA FACIA EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.
4/2/2026 1:22:21 PM - Andrew.Bouchard@mcmillanpazdansmith.com
ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERT. NO. 54314 REGISTERED ARCHITECTURAL CORPORATION CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17305 ANN MARIE CONNOLLY 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE:	02/06/2026
PHASE:	PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE:	M. SHEWARD
PROJECT ARCHITECT:	L. HOWELL
DRAWN BY:	Author

SHEET TITLE:

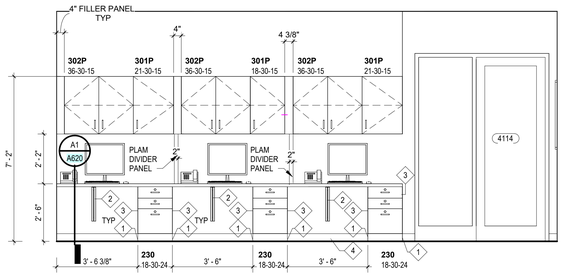
ENLARGED PLAN- LEVEL 4 EOC

SHEET NO. A415

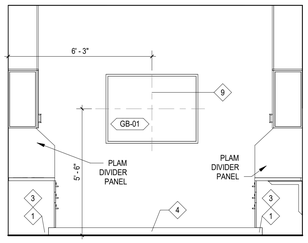
PROJ. NO. 024370.01

A5 / A415 **ENLARGED PLAN - EOC**

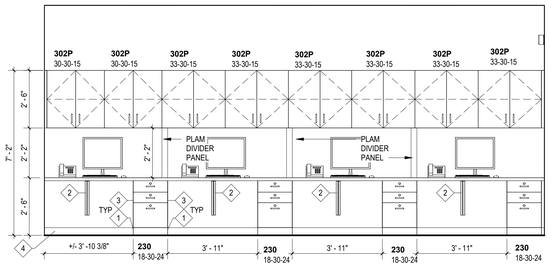
1/4" = 1'-0"



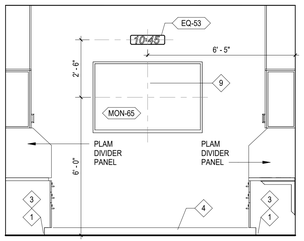
D4 A416 **CALL CENTER 4114 - NORTH**
3/8" = 1'-0"



D3 A416 **CALL CENTER 4114 - EAST**
3/8" = 1'-0"



D2 A416 **CALL CENTER 4114 - SOUTH**
3/8" = 1'-0"



D1 A416 **CALL CENTER 4114 - WEST**
3/8" = 1'-0"

MILLWORK GENERAL NOTE

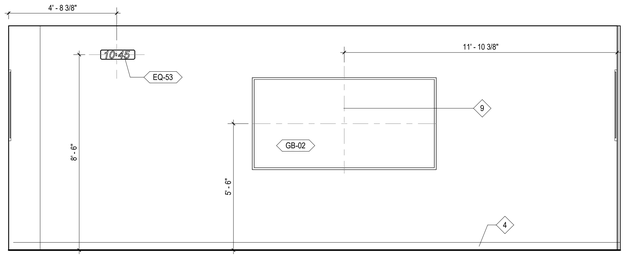
1. PAPER TOWEL (TA-18) AND SOAP (TA -04) TO BE LOCATED AT ALL SINK LOCATIONS. SEE ELEVATIONS FOR PLACEMENT. SEE A421 FOR TOILET ACCESSORY INFORMATION.
2. SEE DETAILS AND REFLECTED CEILING PLANS FOR SOFFIT TYPE AT UPPER CABINET LOCATIONS.
3. REFER TO FINISH SHEETS, MATERIAL LIST, AND MILLWORK SECTIONS FOR MILLWORK AND COUNTERTOP FINISHES.
4. REFER TO A421 FOR TOILET ACCESSORY MOUNTING LEGEND FOR VERTICAL AND HORIZONTAL PLACEMENT OF ALL ACCESSORIES U.N.O.
5. SEE A001 FOR DIMENSIONS OF WHEELCHAIR TURNING SPACE

A400 SERIES KEYNOTES

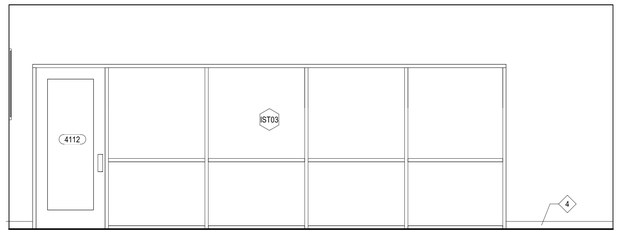
Sheet Series	Number	400 SERIES KEYED NOTES
A400	1	1/2" TOE KICK AT THIS LOCATION. SEE DETAIL C5/A621.
A400	2	RAKKS BRACKET EHR-1818. UNDERCOUNTER SUPPORT BRACKETS ARE NOT TO EXCEED 3' SPACING IN ALL LOCATIONS U.N.O. ALL BRACKETS ARE TO BE PAINTED TO MATCH ADJACENT SURAFACES U.N.O.
A400	3	PROVIDE FINISHED PANEL AT OPEN FACE OF MILLWORK
A400	4	BASE AS SCHEDULED
A400	5	FILLER PANEL NOT TO EXCEED 1.5 INCHES U.N.O
A400	7	WATER BOX
A400	8	SOLID SURFACE SPLASH GUARD SEE A621/C2
A400	9	PROVIDE BLOCKING AS REQUIRED. COORDINATE POWER AND DATA WITH MEP DRAWINGS.
A400	10	PROVIDE LOCK AND KNOB HANDLE ON STAFF SIDE AT SLIDING WINDOW
A400	11	ALIGN
A400	12	TASK LIGHTING
A400	13	EYEWASH STATION. SEE PLUMBING DRAWINGS FOR ADDTIONAL INFORMATION
A400	14	GROMMET AS REQUIRED, COORDINATE LOCATION WITH OWNER

LEGEND

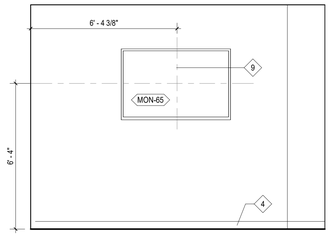
- A — WINDOW / CURTAIN WALL TAG
- SA3.0 — WALL TAG
- 01 — KEYNOTE
- TA-1 — TOILET ACCESSORY TAG SEE A421 FOR SCHEDULE
- EQ-XX — EQUIPMENT TAG SEE A900 SERIES
- TC — TIME CLOCK OFCI



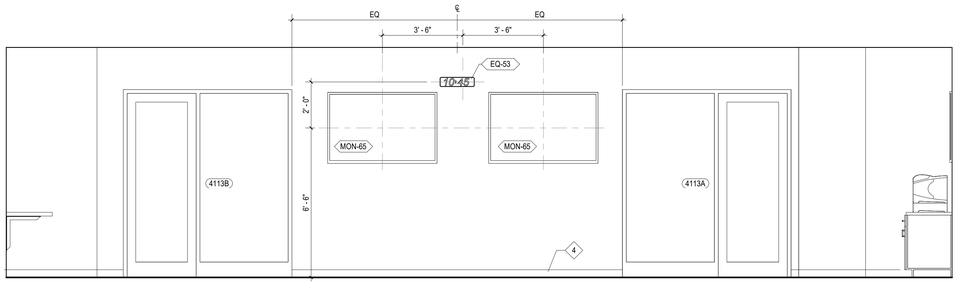
C3 A416 **JIC BREAKOUT 4112 - NORTH**
3/8" = 1'-0"



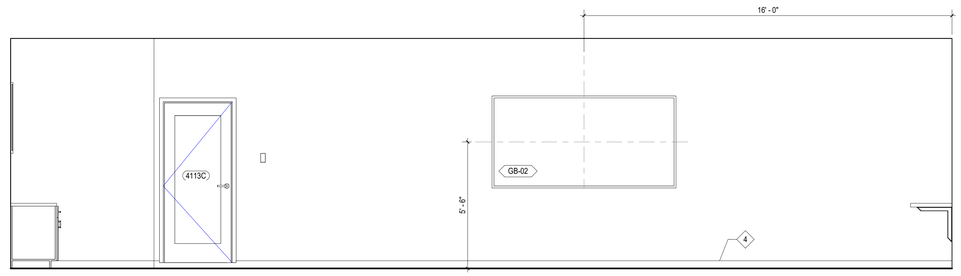
C2 A416 **JIC BREAKOUT 4112 - SOUTH**
3/8" = 1'-0"



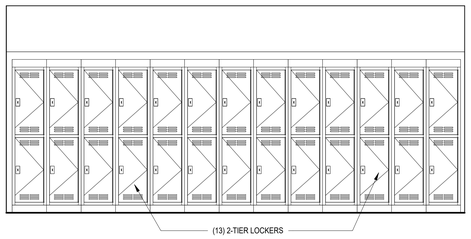
C1 A416 **JIC BREAKOUT 4112 - WEST**
3/8" = 1'-0"



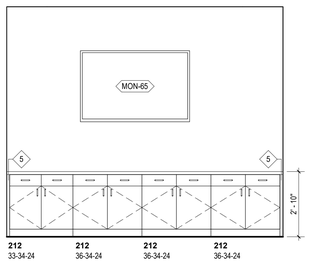
B2 A416 **BREAK OUT CONF. 4113 - WEST**
3/8" = 1'-0"



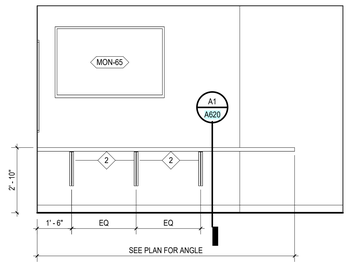
B1 A416 **BREAK OUT CONF. 4113 - EAST**
3/8" = 1'-0"



A3 A416 **CORR. 4007 - NORTH**
3/8" = 1'-0"



A2 A416 **BREAK OUT CONF. 4113 - NORTH**
3/8" = 1'-0"



A1 A416 **BREAK OUT CONF. 4113 - SOUTH**
3/8" = 1'-0"

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SURRENDERED ON REQUEST AT THE COMPLETION OF THE PROJECT. THE VISUAL CONTRACTS ARE NOT TO BE USED FOR OTHER PROJECTS, FOR ADDITIONS TO THIS PROJECT, OR FOR COMPLETION OF THIS PROJECT BY OTHERS, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO MCMILLAN PAZDAN SMITH ARCHITECTURE. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

4/3/2026 12:23:21 PM - Autodesk Docs://2025.03 @ Brunswick County Health & Human Services/MEP_Brunswick County Health and Human Services_R25_v1.rvt

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 37105 LEA MARIE CONNOLLY 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

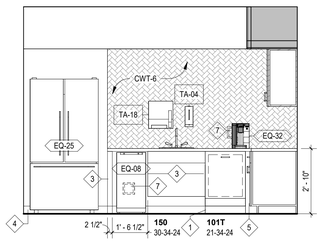
ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

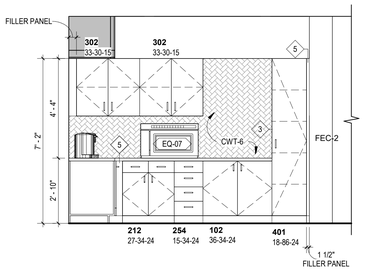
PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
ENLARGED PLANS & ELEVATIONS - LEVEL 4 EOC

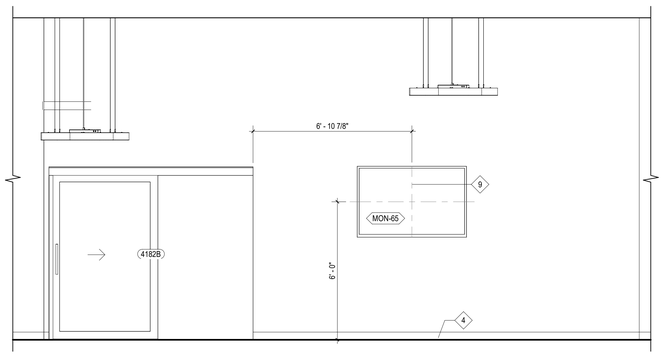
SHEET NO. A416
PROJ. NO. 024370.01



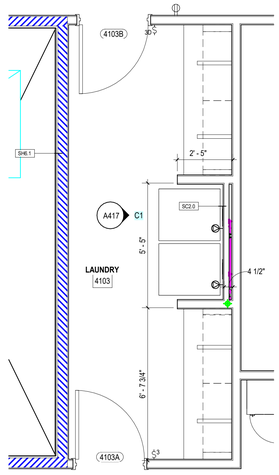
D2 A417 **COFFEE NOOK 4155 - WEST**
3/8" = 1'-0"



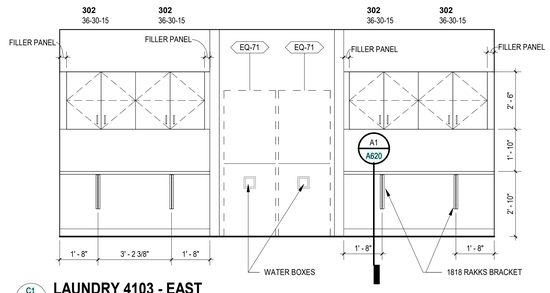
D1 A417 **COFFEE NOOK 4155 - NORTH**
3/8" = 1'-0"



C3 A417 **LOUNGE AREA 4186 - NORTH**
3/8" = 1'-0"



C2 A417 **ENLARGED PLAN - LAUNDRY 4103**
3/8" = 1'-0"



C1 A417 **LAUNDRY 4103 - EAST**
3/8" = 1'-0"

MILLWORK GENERAL NOTE

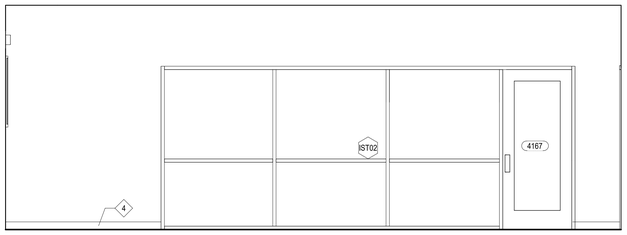
1. PAPER TOWEL (TA-18) AND SOAP (TA -04) TO BE LOCATED AT ALL SINK LOCATIONS. SEE ELEVATIONS FOR PLACEMENT. SEE A421 FOR TOILET ACCESSORY INFORMATION.
2. SEE DETAILS AND REFLECTED CEILING PLANS FOR SOFFIT TYPE AT UPPER CABINET LOCATIONS.
3. REFER TO FINISH SHEETS, MATERIAL LIST, AND MILLWORK SECTIONS FOR MILLWORK AND COUNTERTOP FINISHES.
4. REFER TO A421 FOR TOILET ACCESSORY MOUNTING LEGEND FOR VERTICAL AND HORIZONTAL PLACEMENT OF ALL ACCESSORIES U.N.O.
5. SEE A001 FOR DIMENSIONS OF WHEELCHAIR TURNING SPACE

A400 SERIES KEYNOTES

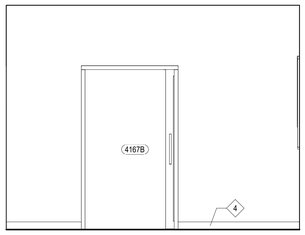
Sheet Series	Number	400 SERIES KEYED NOTES
A400	1	1/2" TOE KICK AT THIS LOCATION. SEE DETAIL C5/A621.
A400	2	RAKKS BRACKET EHR-1818. UNDERCOUNTER SUPPORT BRACKETS ARE NOT TO EXCEED 3' SPACING IN ALL LOCATIONS U.N.O. ALL BRACKETS ARE TO BE PAINTED TO MATCH ADJACENT SURAFACES U.N.O.
A400	3	PROVIDE FINISHED PANEL AT OPEN FACE OF MILLWORK
A400	4	BASE AS SCHEDULED
A400	5	FILLER PANEL NOT TO EXCEED 1.5 INCHES U.N.O
A400	7	WATER BOX
A400	8	SOLID SURFACE SPLASH GUARD SEE A621/C2
A400	9	PROVIDE BLOCKING AS REQUIRED. COORDINATE POWER AND DATA WITH MEP DRAWINGS.
A400	10	PROVIDE LOCK AND KNOB HANDLE ON STAFF SIDE AT SLIDING WINDOW
A400	11	ALIGN
A400	12	TASK LIGHTING
A400	13	EYEWASH STATION. SEE PLUMBING DRAWINGS FOR ADDTIONAL INFORMATION
A400	14	GROMMET AS REQUIRED. COORDINATE LOCATION WITH OWNER

LEGEND

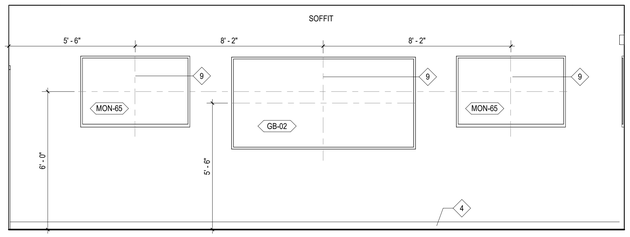
- A — WINDOW / CURTAIN WALL TAG
- SA3.0 — WALL TAG
- 01 — KEYNOTE
- TA-1 — TOILET ACCESSORY TAG SEE A421 FOR SCHEDULE
- EQ-XX — EQUIPMENT TAG SEE A900 SERIES
- TC — TIME CLOCK OFCI



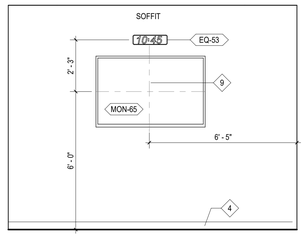
B4 A417 **CONFERENCE 4167 - NORTH**
3/8" = 1'-0"



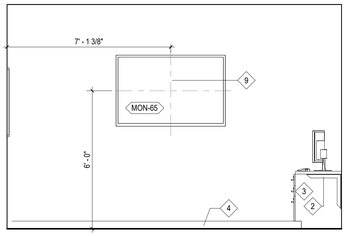
B3 A417 **CONFERENCE 4167 - EAST**
3/8" = 1'-0"



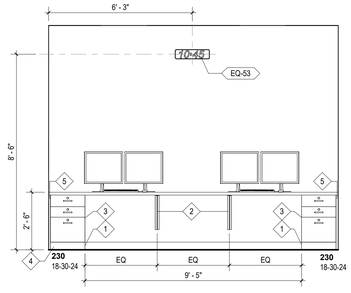
B2 A417 **CONFERENCE 4167 - SOUTH**
3/8" = 1'-0"



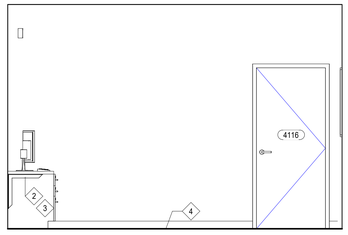
B1 A417 **CONFERENCE 4167 - WEST**
3/8" = 1'-0"



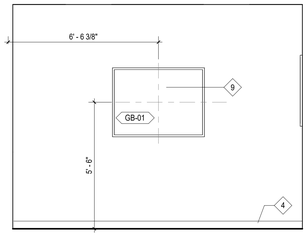
A5 A417 **AMATEUR RADIO 4116 - NORTH**
3/8" = 1'-0"



A4 A417 **AMATEUR RADIO 4116 - EAST**
3/8" = 1'-0"



A3 A417 **AMATEUR RADIO 4116 - SOUTH**
3/8" = 1'-0"



A2 A417 **AMATEUR RADIO 4116 - WEST**
3/8" = 1'-0"

FEC-2

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON A WITH RESPECT TO THIS PROJECT AND NOT TO BE USED FOR ANY OTHER PROJECT, WITH THE EXCEPTION OF SIGNATURE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SURRENDERED ACCURATELY ON TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. — CERTIFIED ARCHITECTURAL CORPORATION — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 47108 LEA MARIE CONNELLY 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE:	02/06/2026
PHASE:	PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

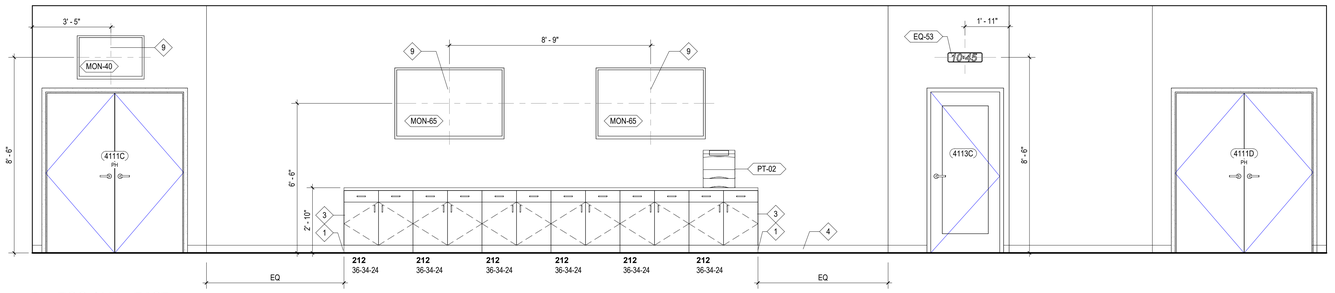
PRINCIPAL IN CHARGE:	M. SHEWARD
PROJECT ARCHITECT:	L. HOWELL
DRAWN BY:	Author

SHEET TITLE:

ENLARGED PLANS & ELEVATIONS - LEVEL 4 EOC

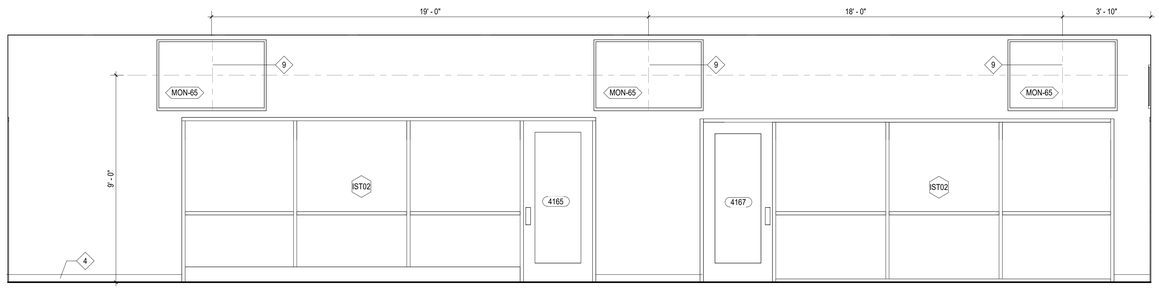
SHEET NO. A417

PROJ. NO. 024370.01



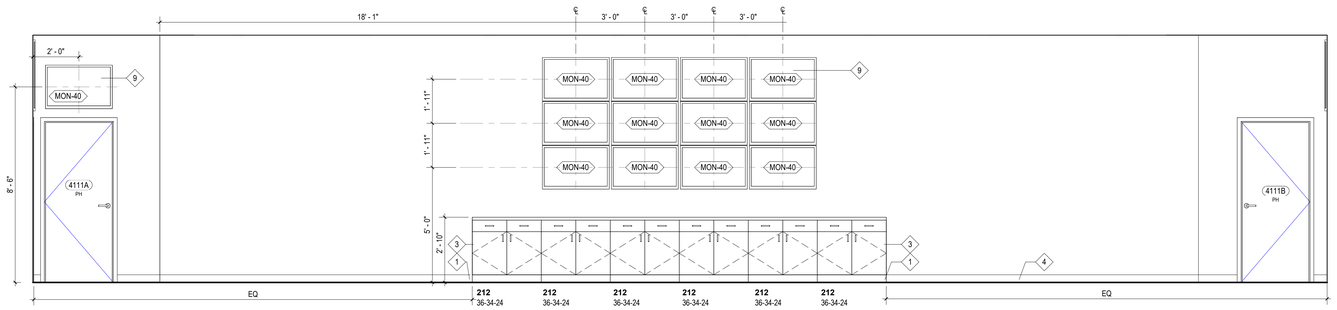
D1 / A418 **EOC 4111 - EAST**

3/8" = 1'-0"



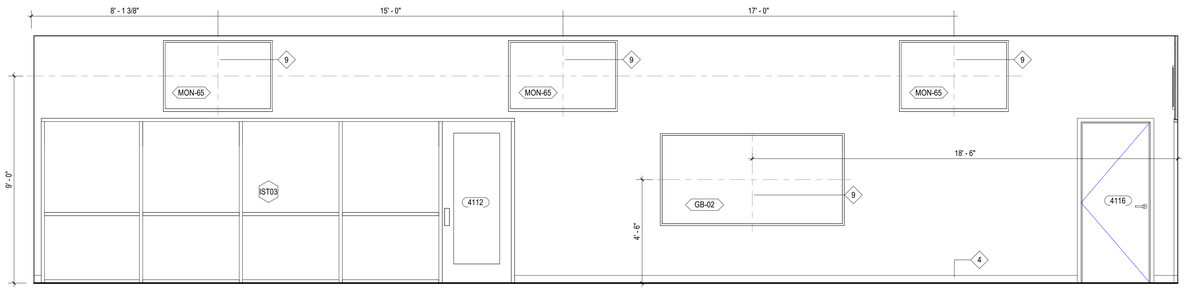
C1 / A418 **EOC 4111 - SOUTH**

3/8" = 1'-0"



B1 / A418 **EOC 4111 - WEST**

3/8" = 1'-0"



A1 / A418 **EOC 4111 - NORTH**

3/8" = 1'-0"

MILLWORK GENERAL NOTE

1. PAPER TOWEL (TA-18) AND SOAP (TA -04) TO BE LOCATED AT ALL SINK LOCATIONS. SEE ELEVATIONS FOR PLACEMENT. SEE A421 FOR TOILET ACCESSORY INFORMATION.
2. SEE DETAILS AND REFLECTED CEILING PLANS FOR SOFFIT TYPE AT UPPER CABINET LOCATIONS.
3. REFER TO FINISH SHEETS, MATERIAL LIST, AND MILLWORK SECTIONS FOR MILLWORK AND COUNTERTOP FINISHES.
4. REFER TO A421 FOR TOILET ACCESSORY MOUNTING LEGEND FOR VERTICAL AND HORIZONTAL PLACEMENT OF ALL ACCESSORIES U.N.O.
5. SEE A001 FOR DIMENSIONS OF WHEELCHAIR TURNING SPACE (A)

A400 SERIES KEYNOTES

Sheet Series	Number	400 SERIES KEYED NOTES
A400	1	1/2" TOE KICK AT THIS LOCATION. SEE DETAIL C5/A621
A400	2	RAKKS BRACKET EHR-1818. UNDERCOUNTER SUPPORT BRACKETS ARE NOT TO EXCEED 3' SPACING IN ALL LOCATIONS U.N.O. ALL BRACKETS ARE TO BE PAINTED TO MATCH ADJACENT SURAFACES U.N.O.
A400	3	PROVIDE FINISHED PANEL AT OPEN FACE OF MILLWORK
A400	4	BASE AS SCHEDULED
A400	5	FILLER PANEL NOT TO EXCEED 1.5 INCHES U.N.O
A400	7	WATER BOX
A400	8	SOLID SURFACE SPLASH GUARD SEE A621/C2
A400	9	PROVIDE BLOCKING AS REQUIRED. COORDINATE POWER AND DATA WITH MEP DRAWINGS.
A400	10	PROVIDE LOCK AND KNOB HANDLE ON STAFF SIDE AT SLIDING WINDOW
A400	11	ALIGN
A400	12	TASK LIGHTING
A400	13	EYEWASH STATION. SEE PLUMBING DRAWINGS FOR ADDTIONAL INFORMATION
A400	14	GROMMET AS REQUIRED. COORDINATE LOCATION WITH OWNER

LEGEND

- A — WINDOW / CURTAIN WALL TAG
- SA3.0 — WALL TAG
- 01 — KEYNOTE
- TA-1 — TOILET ACCESSORY TAG SEE A421 FOR SCHEDULE
- EQ-XX — EQUIPMENT TAG SEE A900 SERIES
- TC — TIME CLOCK OFCI

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON AND IN RESPECT TO THIS PROJECT AND NOT TO BE USED FOR ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SATISFACTORILY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. — REGISTERED ARCHITECTURAL CORPORATION — CHARLOTTE, NORTH CAROLINA — CERT. NO. 54314

NORTH CAROLINA REGISTERED SEAL 17108 KATHLEEN MARIE CONNELLY

04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
ENLARGED PLANS & ELEVATIONS - LEVEL 4 EOC

SHEET NO. A418

PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF USE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SURRENDERED ON REQUEST AT THE COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

A400 SERIES 12:24:39 PM — Autodesk Docs://2025.01 @ Brunswick County Health & Human Services/MPS - Brunswick County Health and Human Services - 2025.rvt

MILLWORK GENERAL NOTE

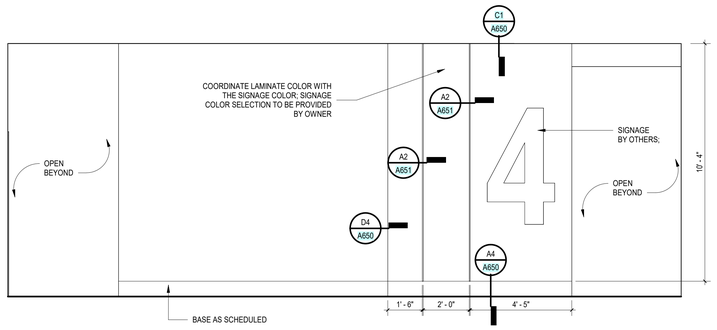
1. PAPER TOWEL (TA-18) AND SOAP (TA -04) TO BE LOCATED AT ALL SINK LOCATIONS. SEE ELEVATIONS FOR PLACEMENT. SEE A421 FOR TOILET ACCESSORY INFORMATION.
2. SEE DETAILS AND REFLECTED CEILING PLANS FOR SOFFIT TYPE AT UPPER CABINET LOCATIONS.
3. REFER TO FINISH SHEETS, MATERIAL LIST, AND MILLWORK SECTIONS FOR MILLWORK AND COUNTERTOP FINISHES.
4. REFER TO A421 FOR TOILET ACCESSORY MOUNTING LEGEND FOR VERTICAL AND HORIZONTAL PLACEMENT OF ALL ACCESSORIES U.N.O.
5. SEE A001 FOR DIMENSIONS OF WHEELCHAIR TURNING SPACE

A400 SERIES KEYNOTES

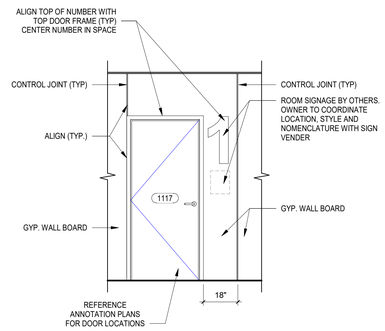
Sheet Series	Number	400 SERIES KEYED NOTES
A400	1	1/2" TOE KICK AT THIS LOCATION. SEE DETAIL C5/A621.
A400	2	RAKKS BRACKET EHR-1818. UNDERCOUNTER SUPPORT BRACKETS ARE NOT TO EXCEED 3' SPACING IN ALL LOCATIONS U.N.O. ALL BRACKETS ARE TO BE PAINTED TO MATCH ADJACENT SURAFACES U.N.O.
A400	3	PROVIDE FINISHED PANEL AT OPEN FACE OF MILLWORK
A400	4	BASE AS SCHEDULED
A400	5	FILLER PANEL NOT TO EXCEED 1.5 INCHES U.N.O
A400	7	WATER BOX
A400	8	SOLID SURFACE SPLASH GUARD SEE A621/C2
A400	9	PROVIDE BLOCKING AS REQUIRED. COORDINATE POWER AND DATA WITH MEP DRAWINGS.
A400	10	PROVIDE LOCK AND KNOB HANDLE ON STAFF SIDE AT SLIDING WINDOW
A400	11	ALIGN
A400	12	TASK LIGHTING
A400	13	EYEWASH STATION. SEE PLUMBING DRAWINGS FOR ADDTIONAL INFORMATION
A400	14	GROMMET AS REQUIRED, COORDINATE LOCATION WITH OWNER

LEGEND

- A — WINDOW / CURTAIN WALL TAG
- SA3.0 — WALL TAG
- 01 — KEYNOTE
- TA-1 — TOILET ACCESSORY TAG SEE A421 FOR SCHEDULE
- EQ-XX — EQUIPMENT TAG SEE A900 SERIES
- TC — TIME CLOCK OFCI

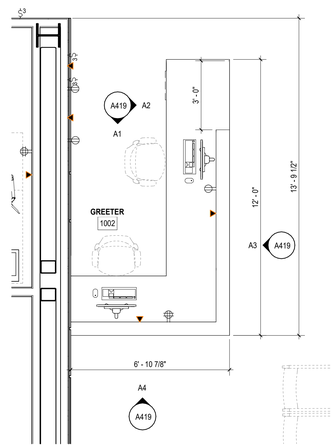


B3 / A419 — **LOBBY 4005 & 3000 - EAST**
3/8" = 1'-0"

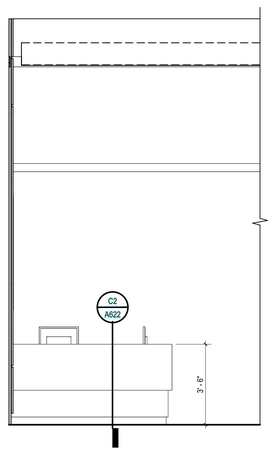


B2 / A419 — **TYPICAL EXAM/ IMMUNIZATION/VITALS ROOM SURROUNDS**
3/8" = 1'-0"
SEE WALL FINISH PLANS FOR LOCATIONS

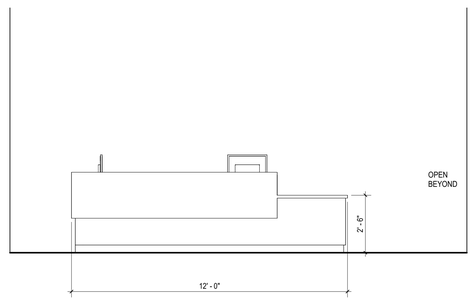
FEC-2



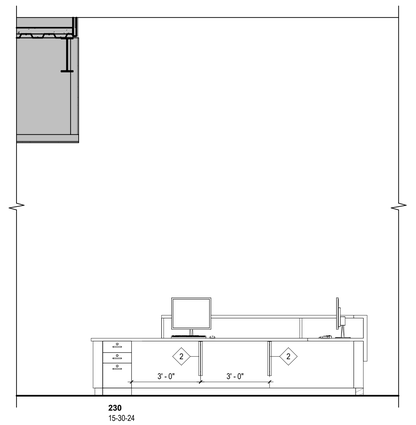
A5 / A419 — **GREETER 1002**
3/8" = 1'-0"



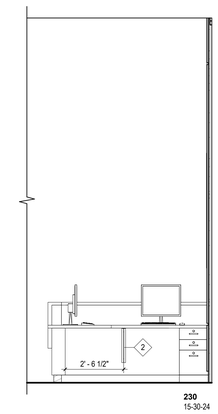
A4 / A419 — **GREETER 1002 - FRONT NORTH**
3/8" = 1'-0"



A3 / A419 — **GREETER 1002 - FRONT WEST**
3/8" = 1'-0"



A2 / A419 — **GREETER 1002 -EAST (BACK)**
3/8" = 1'-0"



A1 / A419 — **GREETER 1002 - SOUTH (BACK)**
3/8" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. — CERTIFIED ARCHITECTURAL CORPORATION — NORTH CAROLINA — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17105 MARIE CONNOLLY

04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

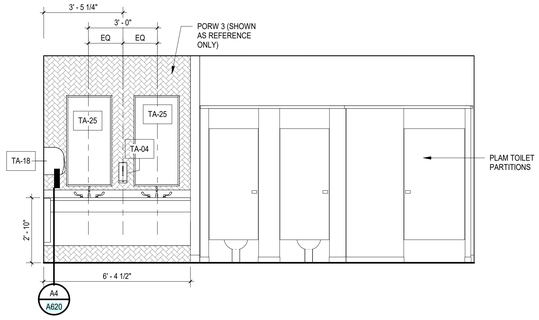
SHEET TITLE:

ENLARGED PLANS& ELEVATIONS - LOBBY

FEC-2

SHEET NO. A419

PROJ. NO. 024370.01



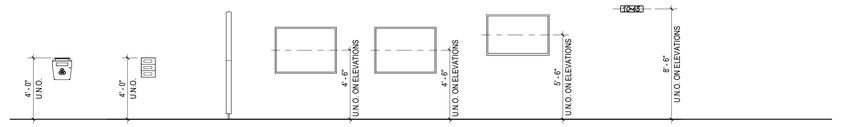
D4 / A421 **F TLT 1012 - NORTH**

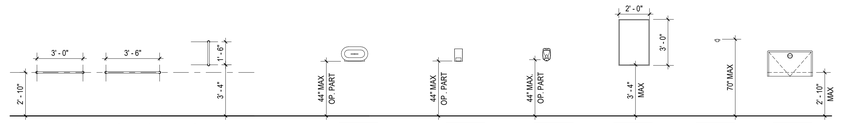
3/8" = 1'-0"

* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES

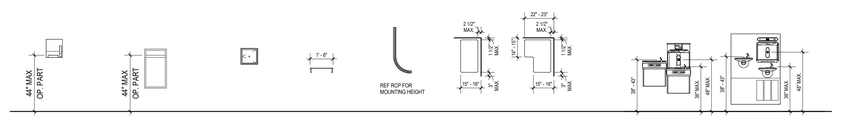
TOILET ACCESSORY SCHEDULE

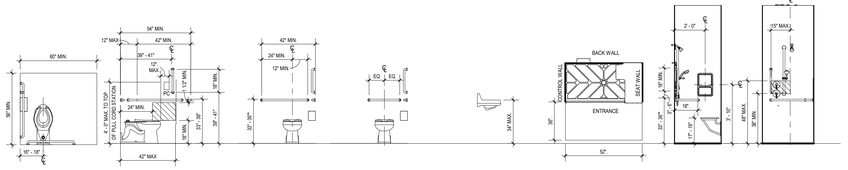
TYPE MARK	DESCRIPTION	MANUFACTURER	Model	Remarks
TA-01	42" GRAB BAR	BOBRICK		OFCI
TA-02	18" GRAB BAR	BOBRICK		OFCI
TA-03	36" GRAB BAR	BOBRICK		OFCI
TA-04	HAND SOAP DISPENSER	KUTOL EZ FOAM MANUAL DISPENSER	9942 BLK	OFCI
TA-05	KOALA KARE CHANGING STSATION KB300-SS, WHITE GRANITE	BOBRICK	9013	OFCI
TA-06	SURFACE MNTD. SOAP DISPENSER			
TA-07	RECESSED WASTE RECEPTACLE B-3644, STAINLESS STEEL	BOBRICK	B-3644	OFCI
TA-09	SURFACE MOUNTED JUMBO TOILET TISSUE DISPENSER, B-2892, STAIN STAINLESS STEEL	BOBRICK	B-2892	OFCI
TA-11	PARTITION-MOUNTED SANITARY NAPKIN DISPOSAL B-4354, SATIN STAINLESS STEEL	BOBRICK	B-254	OFCI
TA-12	WELDED FRAME MIRROR, B290 2436, SATIN STAINLESS STEEL	BOBRICK	B-290 2436	OFCI
TA-13	RECESSED SANITARY NAPKIN DISPOSAL, B-4353, SATIN STAINLESS STEEL	BOBRICK	B-4353	OFCI
TA-18	HANDS FREE PAPER TOWEL DISPENSER	KIMBERLY CLARK	8" MODEL H-2272	<varies>
TA-19	PILL SHAPED MIRROR, MATTE BLACK	Bobrick	B-105 2448.MBLK	CFCI
TA-22	SURFACE MOUNTED DOUBLE ROBE HOOK BOBRICK B-7672	Bobrick Washroom Equipment, Inc.	B-6727	OFOI
TA-23	Bobrick B-270 Contura Series Surface Mounted Sanitary Napkin Disposal	Bobrick Washroom Equipment, Inc.	B-270	OFOI
TA-24	TrimLineSeries™ Recessed Waste Receptacle with Disposal Door	Bobrick Washroom Equipment, Inc.	B-35633	OFOI
TA-25	LED Backlit Mirror Outer Etched	Bobrick	B-167 2448	CFCI
TA-27	Specimen Pass-Thru	CARR	SPT- 121211	CFCI
TA-30	WALL MOUNTED HAND SANITIZER			OFOI





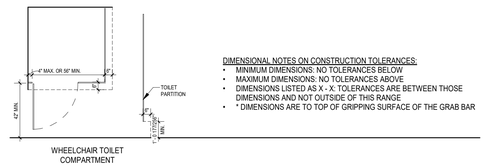
NOTE: ALL GRAB BARS TO BE CF/CI; PROVIDE IN-WALL BLOCKING AT ALL GRAB BAR LOCATIONS
2022 FGI 2.1-2.2.9 (1) GRAB BARS SHALL BE ANCHORED TO SUSTAIN A CONCENTRAITED LOAD OF 250 POUNDS (113.50 KILOGRAMS).





PROVIDE 1 1/2" MIN. CLEARANCE BETWEEN BOTTOM OF GRAB BAR AND PROJECTING OBJECTS BELOW, AND 12" MIN. CLEARANCE BETWEEN TOP OF GRAB BAR AND PROJECTING OBJECTS ABOVE. (NOT INCLUDING LIFE SAFETY ELEMENTS SUCH AS PULL CORDS)

REF FLOOR PLANS FOR SHOWER SEAT LOCATIONS

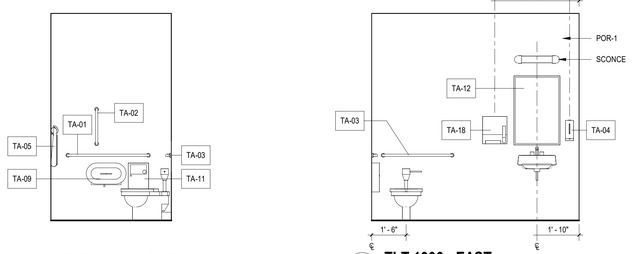


WHEELCHAIR TOILET COMPARTMENT

DIMENSIONAL NOTES ON CONSTRUCTION TOLERANCES:
- MINIMUM DIMENSIONS: NO TOLERANCES BELOW
- MAXIMUM DIMENSIONS: NO TOLERANCES ABOVE
- DIMENSIONS LISTED AS X - X: TOLERANCES ARE BETWEEN THOSE DIMENSIONS AND NOT OUTSIDE OF THIS RANGE
- * DIMENSIONS ARE TO TOP OF GRIPPING SURFACE OF THE GRAB BAR

ACCESSORY GENERAL NOTES

1. ALL TOILET ACCESSORIES SHALL BE INSTALLED TO COMPLY WITH ADA 2010 AND ICC/ANSI A117.1 - 2009 HEIGHT AND ACCESS REQUIREMENTS.
2. CONTRACTOR SHALL PROVIDE ANCHORING IN WALLS AS REQUIRED FOR ALL TOILET ACCESSORY INSTALLATION.
3. PROVIDE ROBE HOOKS ON THE BACK OF ALL STAINLESS STEEL TOILET STALL DOORS.
4. REFER TO ENLARGED RESTROOM PLANS AND INTERIOR ELEVATIONS FOR TOILET ACCESSORY QUANTITIES.
5. CONTRACTOR TO VERIFY MOUNTING HEIGHT REQUIREMENTS FOR BARRIER FREE DESIGN WITH EQUIPMENT CUT SHEETS PRIOR TO INSTALLATION OF ACCESSORIES.



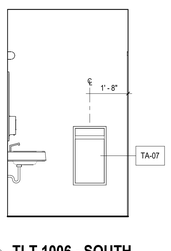
C4 / A421 **TLT 1006 - NORTH**

3/8" = 1'-0"

C3 / A421 **TLT 1006 - EAST**

3/8" = 1'-0"

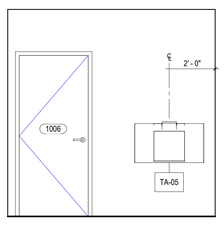
* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES



C2 / A421 **TLT 1006 - SOUTH**

3/8" = 1'-0"

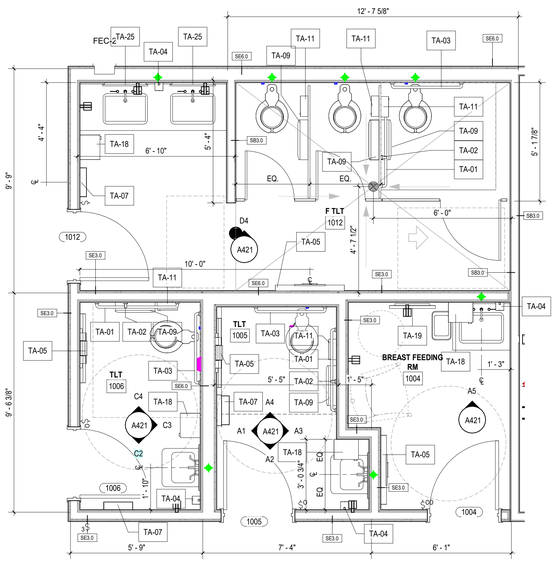
* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES



C1 / A421 **TLT 1006 - WEST**

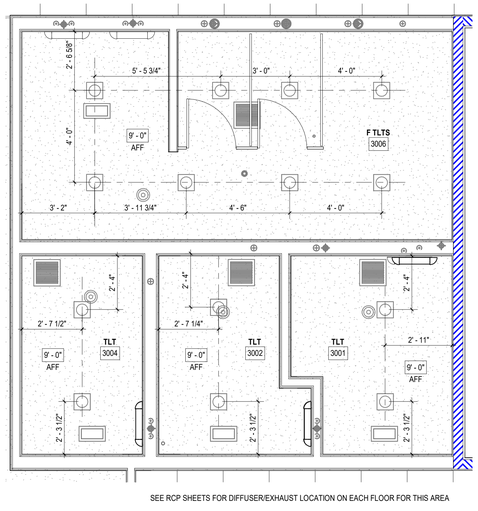
3/8" = 1'-0"

* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES



B2 / A421 **ENLARGED CORE F TLTS**

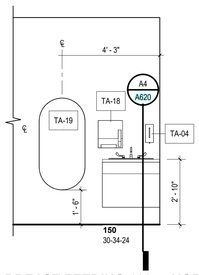
3/8" = 1'-0"



SEE RCP SHEETS FOR DIFFUSER/EXHAUST LOCATION ON EACH FLOOR FOR THIS AREA

B1 / A421 **ENLARGED RCP - CORE F TLTS**

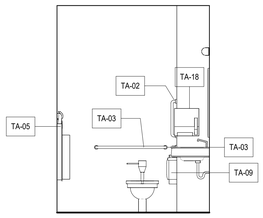
3/8" = 1'-0"



A5 / A421 **BREAST FEEDING 1004 - NORTH**

3/8" = 1'-0"

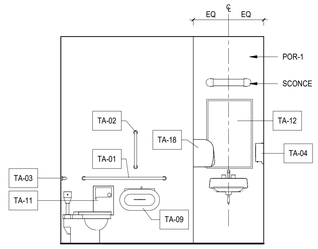
* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES



A4 / A421 **TLT 1005 - NORTH**

3/8" = 1'-0"

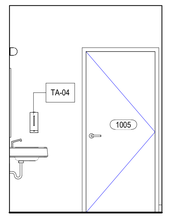
* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES



A3 / A421 **TLT 1005 - EAST**

3/8" = 1'-0"

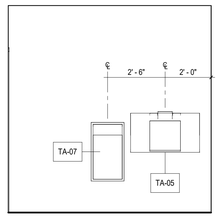
* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES



A2 / A421 **TLT 1005 - SOUTH**

3/8" = 1'-0"

* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES



A1 / A421 **TLT 1005 - WEST**

3/8" = 1'-0"

* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES

ALL DRAWINGS, SPECIFICATIONS AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THEY ARE NOT TO BE USED ON ANY OTHER PROJECT AND ARE NOT TO BE LOANED, COPIED OR DISCLOSED TO ANY UNAUTHORIZED PERSON OR ORGANIZATION WITHOUT THE PRIOR WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. VISUAL CONTACT WITH THESE DRAWINGS OR OTHER MEDIA SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED.

mcmillan pazdan smith ARCHITECTURE
EDIFICE CONSTRUCTION
MPS ARCHITECTS, P.C. CERT. NO. 54314 REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CHARLOTTE, NORTH CAROLINA
NORTH CAROLINA REGISTERED SEAL 27165 LEE MARIE CORNELIUS 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

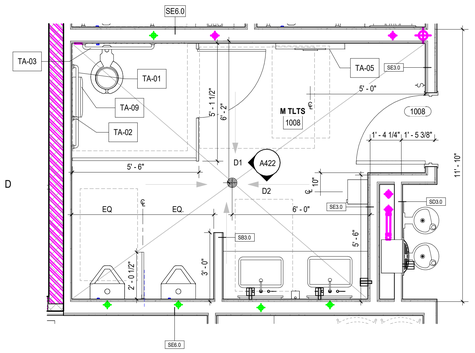
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
ENLARGED TLT PLANS, ELEVATIONS, MOUNTING LEGEND & ACCESSORY SCHEDULE

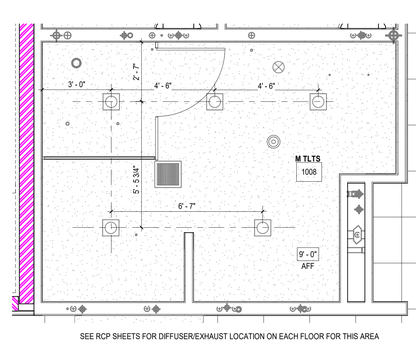
PROJ. NO. 024370.01

A421



D4 ENLARGED M TLTS 1008

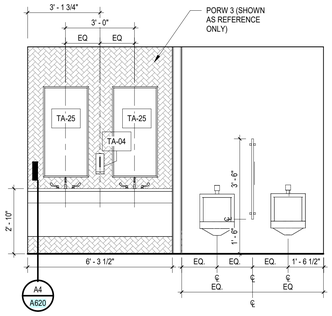
A422 3/8" = 1'-0"



SEE RCP SHEETS FOR DIFFUSER/EXHAUST LOCATION ON EACH FLOOR FOR THIS AREA

D3 ENLARGED RCP - M TLTS 1008

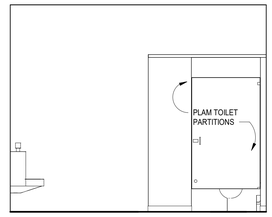
A422 3/8" = 1'-0"



D2 M TLTS 1008 - SOUTH

A422 3/8" = 1'-0"

* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES



D1 M TLTS 1008 - WEST

A422 3/8" = 1'-0"

* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES

MILLWORK GENERAL NOTE

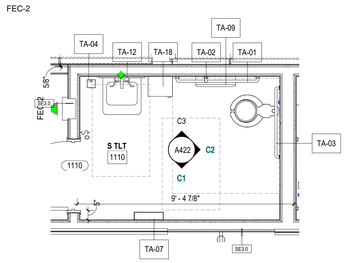
1. PAPER TOWEL (TA-18) AND SOAP (TA -04) TO BE LOCATED AT ALL SINK LOCATIONS. SEE ELEVATIONS FOR PLACEMENT. SEE A421 FOR TOILET ACCESSORY INFORMATION.
2. SEE DETAILS AND REFLECTED CEILING PLANS FOR SOFFIT TYPE AT UPPER CABINET LOCATIONS.
3. REFER TO FINISH SHEETS, MATERIAL LIST, AND MILLWORK SECTIONS FOR MILLWORK AND COUNTERTOP FINISHES.
4. REFER TO A421 FOR TOILET ACCESSORY MOUNTING LEGEND FOR VERTICAL AND HORIZONTAL PLACEMENT OF ALL ACCESSORIES U.N.O.
5. SEE A001 FOR DIMENSIONS OF WHEELCHAIR TURNING SPACE

TOILET ACCESSORY SCHEDULE

TYPE MARK	DESCRIPTION	MANUFACTURER	Model	Remarks
TA-01	42" GRAB BAR	BOBRICK		OFCI
TA-02	18" GRAB BAR	BOBRICK		OFCI
TA-03	36" GRAB BAR	BOBRICK		OFCI
TA-04	HAND SOAP DISPENSER	KUTOL EZ FOAM MANUAL DISPENSER	9942 BLK	CFCI
TA-05	KOALA KARE CHANGING STSATION KB300-SS, WHITE GRANITE	BOBRICK	9013	OFCI
TA-06	SURFACE MNTD. SOAP DISPENSER			OFCI
TA-07	RECESSED WASTE RECEPTACLE B-3644, STAINLESS STEEL	BOBRICK	B-3644	OFCI
TA-09	SURFACE MOUNTED JUMBO TOILET TISSUE DISPENSER, B-2892, STAIN STAINLESS STEEL	BOBRICK	B-2892	OFCI
TA-11	PARTITION-MOUNTED SANITARY NAPKIN DISPOSAL B-4354, SATIN STAINLESS STEEL	BOBRICK	B-254	OFCI
TA-12	WELDED FRAME MIRROR, B290 2436, SATIN STAINLESS STEEL	BOBRICK	B-290 2436	CFCI
TA-13	RECESSED SANITARY NAPKIN DISPOSAL, B-4353, SATIN STAINLESS STEEL	BOBRICK	B-4353	OFCI
TA-18	HANDS FREE PAPER TOWEL DISPENSER	KIMBERLY CLARK	8" MODEL H-2272	<varies>
TA-19	PILL SHAPED MIRROR, MATTE BLACK	Bobrick	B-105 2448.MBLK	CFCI
TA-22	SURFACE MOUNTED DOUBLE ROBE HOOK BOBRICK B-7672	Bobrick Washroom Equipment, Inc.	B-6727	OFOI
TA-23	Bobrick B-270 Contura Series Surface Mounted Sanitary Napkin Disposal	Bobrick Washroom Equipment, Inc.	B-270	OFOI
TA-24	TrimLineSeries™ Recessed Waste Receptacle with Disposal Door	Bobrick Washroom Equipment, Inc.	B-35633	OFOI
TA-25	LED Backlit Mirror Outer Etched	Bobrick	B-167 2448	CFCI
TA-27	Specimen Pass-Thru	CARR	SPT- 121211	CFCI
TA-30	WALL MOUNTED HAND SANITIZER			OFOI

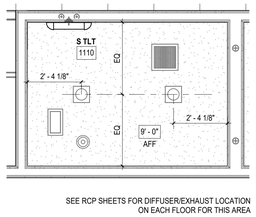
LEGEND

A	WINDOW / CURTAIN WALL TAG
SA3.0	WALL TAG
01	KEYNOTE
TA-1	TOILET ACCESSORY TAG SEE A421 FOR SCHEDULE
EQ-XX	EQUIPMENT TAG SEE A900 SERIES
TC	TIME CLOCK OFCI



C5 ENLARGED S TLT 1110

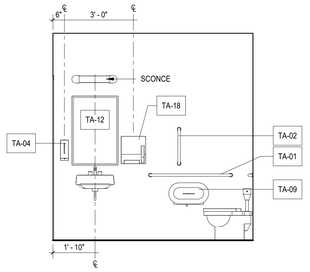
A422 3/8" = 1'-0"



SEE RCP SHEETS FOR DIFFUSER/EXHAUST LOCATION ON EACH FLOOR FOR THIS AREA

C4 ENLARGED RCP - S TLT 1110

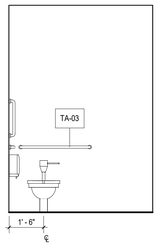
A422 3/8" = 1'-0"



C3 S TLT 1110 - NORTH

A422 3/8" = 1'-0"

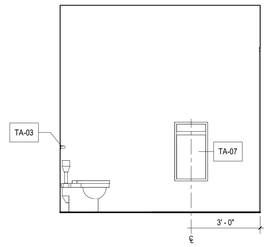
* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES



C2 S TLT 1110 - EAST

A422 3/8" = 1'-0"

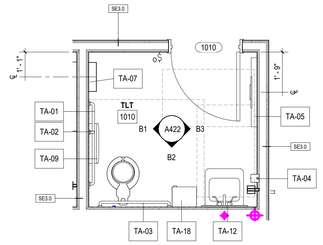
* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES



C1 S TLT 1110 - SOUTH

A422 3/8" = 1'-0"

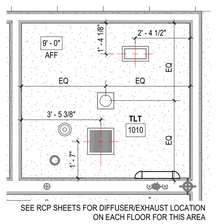
* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES



B5 ENLARGED TLT 1010

A422 3/8" = 1'-0"

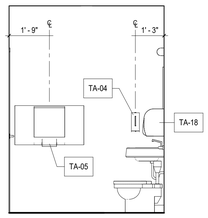
FEC-2



SEE RCP SHEETS FOR DIFFUSER/EXHAUST LOCATION ON EACH FLOOR FOR THIS AREA

B4 ENLARGED RCP - TLT 1010

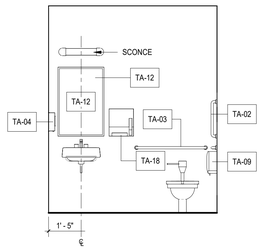
A422 3/8" = 1'-0"



B3 TLT 1010 - EAST

A422 3/8" = 1'-0"

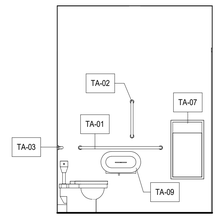
* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES



B2 TLT 1010 - SOUTH

A422 3/8" = 1'-0"

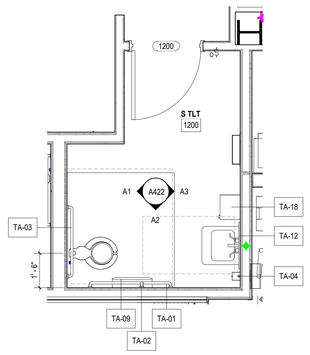
* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES



B1 TLT 1010 - WEST

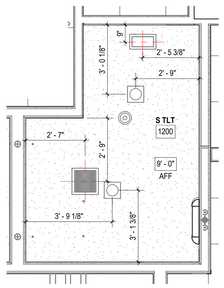
A422 3/8" = 1'-0"

* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES



A5 ENLARGED S TLT 1200

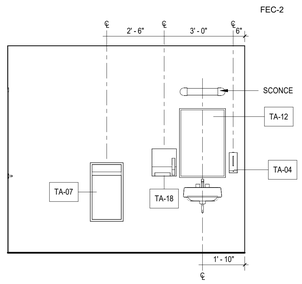
A422 3/8" = 1'-0"



A4 ENLARGED RCP - S TLT 1200

A422 3/8" = 1'-0"

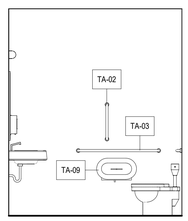
FEC-2



A3 S TLT 1200 - EAST

A422 3/8" = 1'-0"

* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES

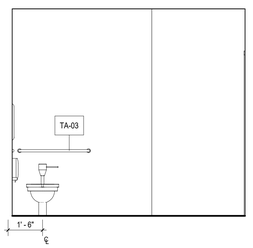


A2 S TLT 1200 - SOUTH

A422 3/8" = 1'-0"

* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES

FEC-2



A1 S TLT 1200 - WEST

A422 3/8" = 1'-0"

* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SURRENDERED ON REQUEST AT THE COMPLETION OR TERMINATION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THIS PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. — CERTIFIED ARCHITECTURAL CORPORATION — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 37305 L. MARIE CONNELLY 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:

ENLARGED RESTROOM PLANS & ELEVATIONS

SHEET NO. A422

PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT WITH THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SHALL BE ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

12/2/2025 4:35:05 PM Autodesk Docs://2025 01 BC Brunswick County Health & Human Services/BCO_Brunswick County Health and Human Services_R25_v1.rvt

MILLWORK GENERAL NOTE

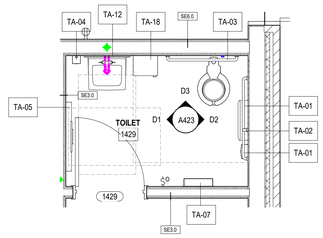
1. PAPER TOWEL (TA-18) AND SOAP (TA -04) TO BE LOCATED AT ALL SINK LOCATIONS. SEE ELEVATIONS FOR PLACEMENT. SEE A421 FOR TOILET ACCESSORY INFORMATION.
2. SEE DETAILS AND REFLECTED CEILING PLANS FOR SOFFIT TYPE AT UPPER CABINET LOCATIONS.
3. REFER TO FINISH SHEETS, MATERIAL LIST, AND MILLWORK SECTIONS FOR MILLWORK AND COUNTERTOP FINISHES.
4. REFER TO A421 FOR TOILET ACCESSORY MOUNTING LEGEND FOR VERTICAL AND HORIZONTAL PLACEMENT OF ALL ACCESSORIES U.N.O.
5. SEE A001 FOR DIMENSIONS OF WHEELCHAIR TURNING SPACE

TOILET ACCESSORY SCHEDULE

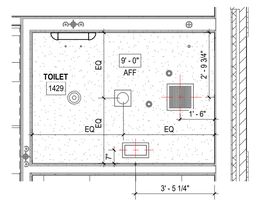
TYPE MARK	DESCRIPTION	MANUFACTURER	Model	Remarks
TA-01	42" GRAB BAR	BOBRICK		OFCI
TA-02	18" GRAB BAR	BOBRICK		OFCI
TA-03	36" GRAB BAR	BOBRICK		OFCI
TA-04	HAND SOAP DISPENSER	KUTOL EZ FOAM MANUAL DISPENSER	9942 BLK	OFCI
TA-05	KOALA KARE CHANGING STSATION KB300-SS, WHITE GRANITE	BOBRICK	9013	OFCI
TA-06	SURFACE MNTD. SOAP DISPENSER			
TA-07	RECESSED WASTE RECEPTACLE B-3644, STAINLESS STEEL	BOBRICK	B-3644	OFCI
TA-09	SURFACE MOUNTED JUMBO TOILET TISSUE DISPENSER, B-2892, STAIN STAINLESS STEEL	BOBRICK	B-2892	OFCI
TA-11	PARTITION-MOUNTED SANITARY NAPKIN DISPOSAL B-4354, SATIN STAINLESS STEEL	BOBRICK	B-254	OFCI
TA-12	WELDED FRAME MIRROR, B290 2436, SATIN STAINLESS STEEL	BOBRICK	B-290 2436	CFCI
TA-13	RECESSED SANITARY NAPKIN DISPOSAL, B-4353, SATIN STAINLESS STEEL	BOBRICK	B-4353	OFCI
TA-18	HANDS FREE PAPER TOWEL DISPENSER	KIMBERLY CLARK	8" MODEL H-2272	<varies>
TA-19	PILL SHAPED MIRROR, MATTE BLACK	Bobrick	B-105 2448.MBLK	CFCI
TA-22	SURFACE MOUNTED DOUBLE ROBE HOOK BOBRICK B-7672	Bobrick Washroom Equipment, Inc.	B-6727	OFOI
TA-23	Bobrick B-270 Contura Series Surface Mounted Sanitary Napkin Disposal	Bobrick Washroom Equipment, Inc.	B-270	OFOI
TA-24	TrimLineSeries™ Recessed Waste Receptacle with Disposal Door	Bobrick Washroom Equipment, Inc.	B-35633	OFOI
TA-25	LED Backlit Mirror Outer Etched	Bobrick	B-167 2448	CFCI
TA-27	Specimen Pass-Thru	CARR	SPT- 121211	CFCI
TA-30	WALL MOUNTED HAND SANITIZER			OFOI

LEGEND

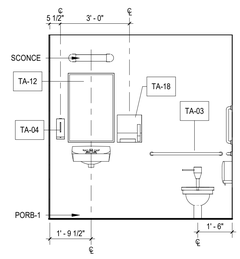
- A — WINDOW / CURTAIN WALL TAG
- SA3.0 — WALL TAG
- 01 — KEYNOTE
- TA-1 — TOILET ACCESSORY TAG SEE A421 FOR SCHEDULE
- EQ-XX — EQUIPMENT TAG SEE A900 SERIES
- TC — TIME CLOCK OFCI



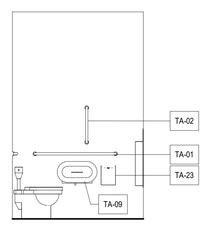
D5 / A423 — **ENLARGED TOILET 1429**
3/8" = 1'-0"



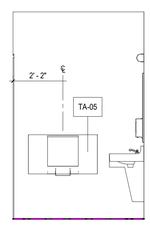
D4 / A423 — **ENLARGED RCP - TOILET 1429**
3/8" = 1'-0"



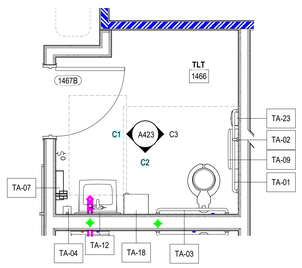
D3 / A423 — **TOILET 1429 - NORTH**
3/8" = 1'-0"
* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES



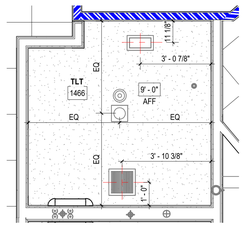
D2 / A423 — **TOILET 1429 - EAST**
3/8" = 1'-0"
* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES



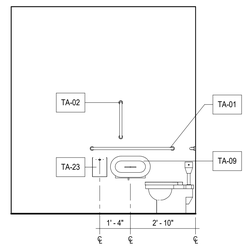
D1 / A423 — **TOILET 1429 - WEST**
3/8" = 1'-0"
* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES



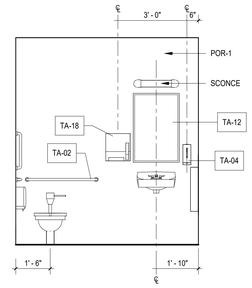
C5 / A423 — **ENLARGED TLT 1466**
3/8" = 1'-0"



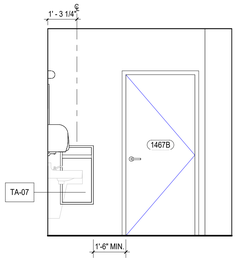
C4 / A423 — **ENLARGED RCP - TLT 1466**
3/8" = 1'-0"



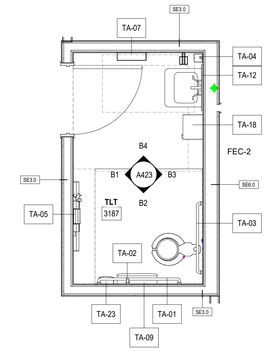
C3 / A423 — **TLT 1466 - EAST**
3/8" = 1'-0"
* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES



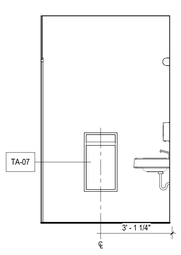
C2 / A423 — **TLT 1466 - SOUTH**
3/8" = 1'-0"
* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES



C1 / A423 — **TLT 1466 - WEST**
3/8" = 1'-0"
* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES

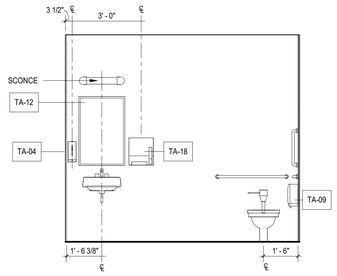


B5 / A423 — **ENLARGED TLT 3187**
3/8" = 1'-0"

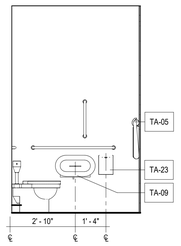


* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES

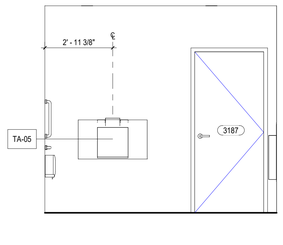
B4 / A423 — **TLT 3187 - NORTH**
3/8" = 1'-0"



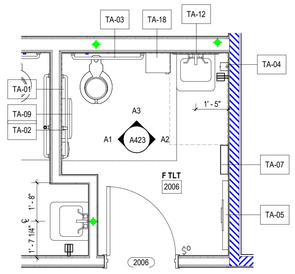
B3 / A423 — **TLT 3187 - EAST**
3/8" = 1'-0"
* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES



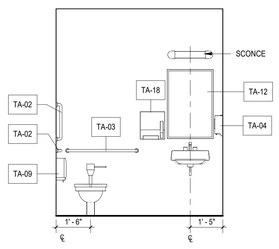
B2 / A423 — **TLT 3187 - SOUTH**
3/8" = 1'-0"
* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES



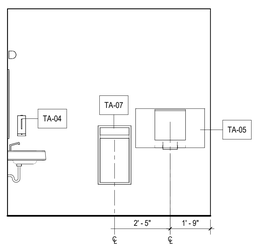
B1 / A423 — **TLT 3187 - WEST**
3/8" = 1'-0"
* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES



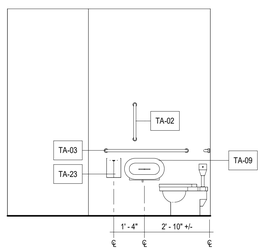
A4 / A423 — **ENLARGED F TLT 2006**
3/8" = 1'-0"



A3 / A423 — **F TLT 2006 - NORTH**
3/8" = 1'-0"
* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES



A2 / A423 — **F TLT 2006 - EAST**
3/8" = 1'-0"
* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES



A1 / A423 — **F TLT 2006 - WEST**
3/8" = 1'-0"
* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES

FEC-2

mcmillan pazdan smith ARCHITECTURE
EDIFICE CONSTRUCTION
MPS ARCHITECTS, P.C. — CERTIFIED ARCHITECTURAL CORPORATION — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA
NORTH CAROLINA REGISTERED SEAL 37108 KAY MARIE CONNELLY 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:

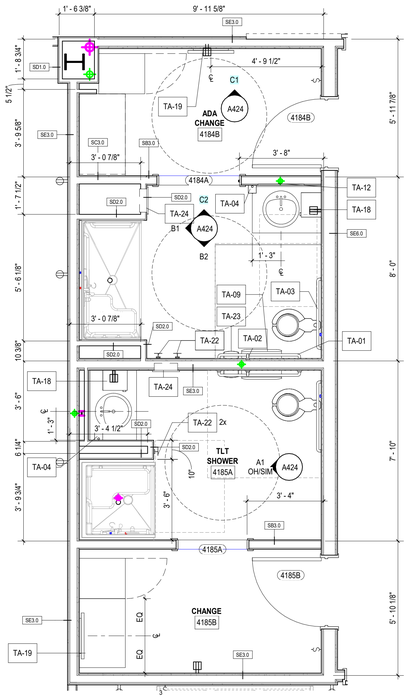
ENLARGED RESTROOM PLANS & ELEVATIONS

SHEET NO. A423

PROJ. NO. 024370.01

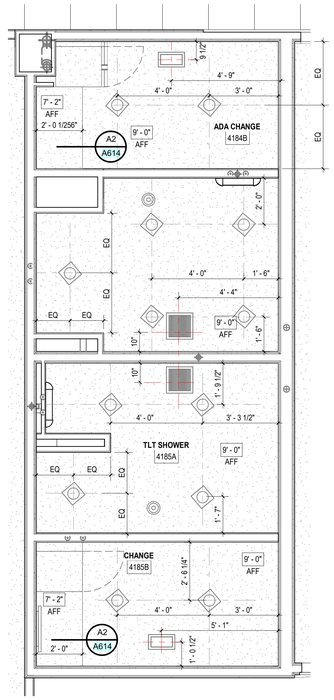
FEC-2

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SURRENDERED ON REQUEST AT THE COMPLETION OR TERMINATION OF THE PROJECT. ANY REUSE OF THESE MATERIALS WITHOUT THE WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE FOR THE SPECIFIC PROJECT SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO MCMILLAN PAZDAN SMITH ARCHITECTURE. ALL TITLES, STATUTORY AND COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS IN THE IDEAS, DESIGNS AND ARRANGEMENTS REPRESENTED BY THESE DRAWINGS ARE RESERVED TO MCMILLAN PAZDAN SMITH ARCHITECTURE. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED.



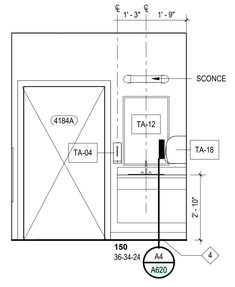
ENLARGED PLAN -4th FLOOR EOC/TOILET SHOWERS -WEST

B4 / A424 — 3/8" = 1'-0"



ENLARGED RCP-4TH FLOOR EOC TOILET/SHOWERS -WEST

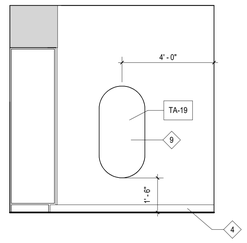
B3 / A424 — 3/8" = 1'-0"



C2 ADA CHANGE 4184B - NORTH A

A424 — 3/8" = 1'-0"

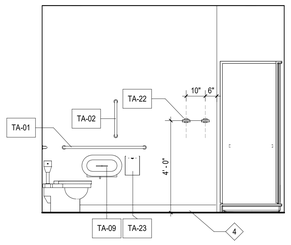
* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES



C1 ADA CHANGE 4184B - NORTH B

A424 — 3/8" = 1'-0"

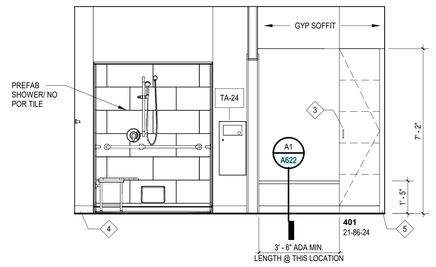
* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES



B2 ADA CHANGE 4184B - SOUTH

A424 — 3/8" = 1'-0"

* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES



B1 ADA CHANGE 4184B - WEST

A424 — 3/8" = 1'-0"

* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES

MILLWORK GENERAL NOTE

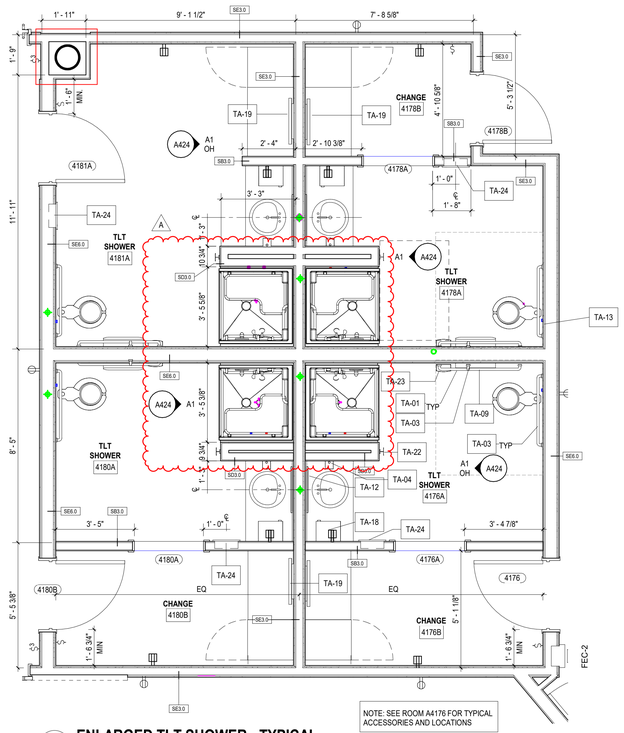
1. PAPER TOWEL (TA-18) AND SOAP (TA -04) TO BE LOCATED AT ALL SINK LOCATIONS. SEE ELEVATIONS FOR PLACEMENT. SEE A421 FOR TOILET ACCESSORY INFORMATION.
2. SEE DETAILS AND REFLECTED CEILING PLANS FOR SOFFIT TYPE AT UPPER CABINET LOCATIONS.
3. REFER TO FINISH SHEETS, MATERIAL LIST, AND MILLWORK SECTIONS FOR MILLWORK AND COUNTERTOP FINISHES.
4. REFER TO A421 FOR TOILET ACCESSORY MOUNTING LEGEND FOR VERTICAL AND HORIZONTAL PLACEMENT OF ALL ACCESSORIES U.N.O.
5. SEE A001 FOR DIMENSIONS OF WHEELCHAIR TURNING SPACE

TOILET ACCESSORY SCHEDULE

TYPE MARK	DESCRIPTION	MANUFACTURER	Model	Remarks
TA-01	42" GRAB BAR	BOBRICK		OFCI
TA-02	18" GRAB BAR	BOBRICK		OFCI
TA-03	36" GRAB BAR	BOBRICK		OFCI
TA-04	HAND SOAP DISPENSER	KUTOL EZ FOAM MANUAL DISPENSER	9942 BLK	CFCI
TA-05	KOALA KARE CHANGING STSATION KB300-SS, WHITE GRANITE	BOBRICK	9013	OFCI
TA-06	SURFACE MNTD. SOAP DISPENSER			
TA-07	RECESSED WASTE RECEPTACLE B-3644, STAINLESS STEEL	BOBRICK	B-3644	OFCI
TA-09	SURFACE MOUNTED JUMBO TOILET TISSUE DISPENSER, B-2892, STAIN STAINLESS STEEL	BOBRICK	B-2892	OFCI
TA-11	PARTITION-MOUNTED SANITARY NAPKIN DISPOSAL B-4354, SATIN STAINLESS STEEL	BOBRICK	B-254	OFCI
TA-12	WELDED FRAME MIRROR, B290 2436, SATIN STAINLESS STEEL	BOBRICK	B-290 2436	CFCI
TA-13	RECESSED SANITARY NAPKIN DISPOSAL, B-4353, SATIN STAINLESS STEEL	BOBRICK	B-4353	OFCI
TA-18	HANDS FREE PAPER TOWEL DISPENSER	KIMBERLY CLARK	8" MODEL H-2272	<varies>
TA-19	PILL SHAPED MIRROR, MATTE BLACK	Bobrick	B-105 2448.MBLK	CFCI
TA-22	SURFACE MOUNTED DOUBLE ROBE HOOK BOBRICK B-7672	Bobrick Washroom Equipment, Inc.	B-6727	OFCI
TA-23	Bobrick B-270 Contura Series Surface Mounted Sanitary Napkin Disposal	Bobrick Washroom Equipment, Inc.	B-270	OFCI
TA-24	TrimLineSeries™ Recessed Waste Receptacle with Disposal Door	Bobrick Washroom Equipment, Inc.	B-35633	OFCI
TA-25	LED Backlit Mirror Outer Etched	Bobrick	B-167 2448	CFCI
TA-27	Specimen Pass-Thru	CARR	SPT- 121211	CFCI
TA-30	WALL MOUNTED HAND SANITIZER			OFCI

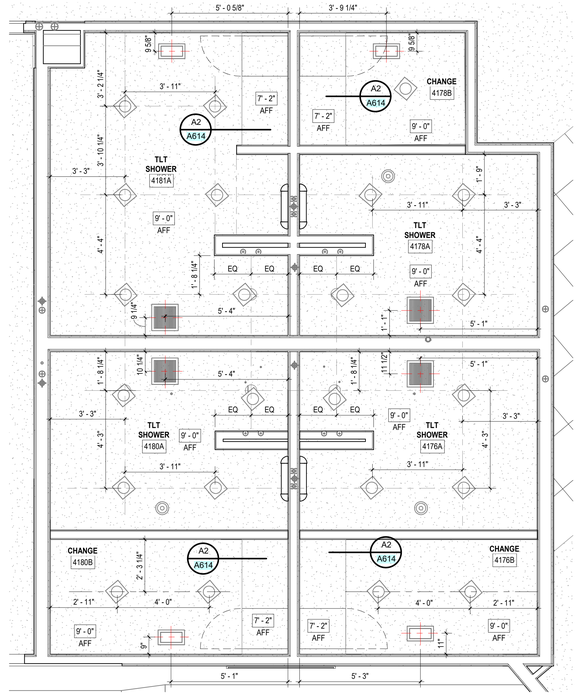
LEGEND

A	WINDOW / CURTAIN WALL TAG
SA3.0	WALL TAG
01	KEYNOTE
TA-1	TOILET ACCESSORY TAG SEE A421 FOR SCHEDULE
EQ-XX	EQUIPMENT TAG SEE A900 SERIES
TC	TIME CLOCK OFCI



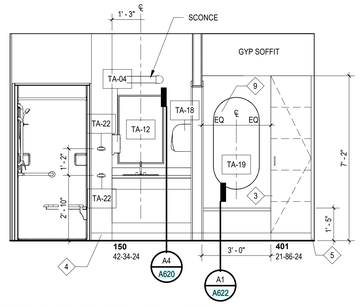
ENLARGED TLT SHOWER - TYPICAL

A424 — 3/8" = 1'-0"



ENLARGED RCP-4TH FLOOR EOC TOILET/SHOWERS - EAST

A424 — 3/8" = 1'-0"



TYP. TLT SHOWER 4178 - WEST

A424 — 3/8" = 1'-0"

* SEE FINISH PLANS FOR WALL, FLOORING AND BASE FINISH LOCATIONS AND TYPES

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. — CERT. NO. 54314 — REGISTERED ARCHITECTURAL CORPORATION — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17108 LEA MARIE CONNELLY 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/26	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:

ENLARGED RESTROOM PLANS & ELEVATIONS

SHEET NO. A424

PROJ. NO. 024370.01

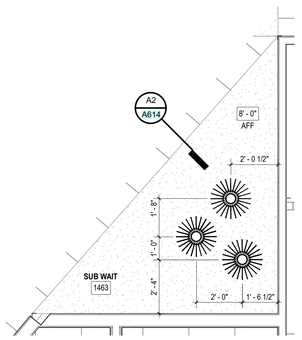
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTS ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTS. THESE ARE NOT TO BE USED ON ANY PROJECT OTHER THAN THE PROJECT FOR WHICH THEY HAVE BEEN PREPARED, AND SHALL NOT BE LOANED, COPIED OR DISCLOSED WITHOUT THE WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTS. VISUAL CONTACT WITH THESE DRAWINGS OR SPECIFICATIONS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS. ALL RIGHTS RESERVED

GENERAL RCP NOTES

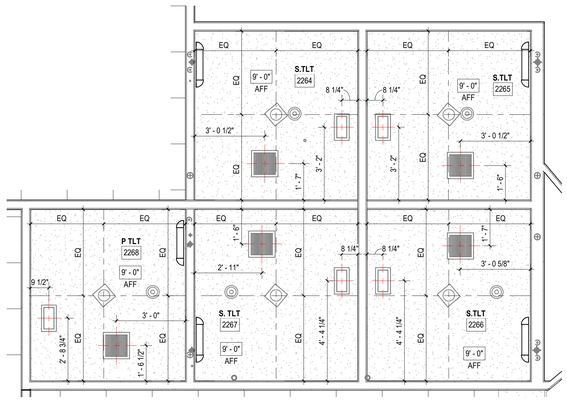
A. ALL CEILINGS TO BE 9'-0" AFF UNLESS NOTED OTHERWISE.
B. SEE FINISH LEGEND FOR CEILING MANUFACTURER INFORMATION.
C. PERIMETER TRACK FOR ALL ACOUSTICAL CEILINGS GRIDS TO BE INSTALLED IN ACCORDANCE WITH IBC AND CISCA GUIDELINES.
D. DIMENSIONS ARE TO FACE GYP. BOARD.
E. CEILING GRIDS/TILES TO BE INSTALLED TO ACCOMODATE LIGHTING LOCATION AS SHOWN ON PLAN. PARTIAL TILES AT ROOM PERIMETERS SHALL NOT BE LESS THAN 6"-3".
F. SEE ELECTRICAL, FIRE ALARM AND FIRE PROTECTION DRAWINGS FOR SPECIAL SYSTEMS, SMOKE DETECTORS, LIGHTING AND WALL MOUNTED FIXTURES NOT SHOWN ON THIS SHEET. COORDINATE LOCATIONS OF ALL FIXTURES NOT INDICATED WITH LAYOUT INDICATED ON THIS SHEET.
G. LIGHT FIXTURES AND MECHANICAL DIFFUSERS ARE SHOWN FOR POSITIONING IN FINISH CEILING SYSTEM. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR FIXTURE TYPES, MECHANICAL DIFFUSERS, WALL MOUNTED FIXTURES AND INSTALLATION OF FIXTURES IN SPACES WITHOUT CEILINGS.
H. EXTEND PERIMETER WALLS AND FINISH TO STRUCTURE ABOVE AT EXPOSED STRUCTURE AREAS.
I. CENTER LIGHTS, DIFFUSERS, EXIT SIGNS, SMOKE DETECTORS, SPEAKERS, GENERAL ALARM SPEAKERS/STROBES & MISC DEVICES IN CEILING TILES WHERE THEY ARE LOCATED. ALIGN MULTIPLE ITEM CENTER OR EDGES. PROVIDE COORDINATION SUBMITTAL FOR FINAL CONFIRMATION OF ALL FOH CEILING ELEMENT LOCATIONS.
J. INSTALL ACCESS PANELS IN GYPSUM BOARD CEILINGS AT DUCT DAMPER CONTROLS, DUCT MOUNTED SMOKE DETECTORS, MANUAL DUCT CONTROLS, HVAC EQUIP., ETC.
K. ALL SINGLE LIGHT FIXTURES SHALL BE CENTERED IN THE CEILING WHEN THEY OCCUR
L. LOCATE SPRINKLER HEADS IN THE CENTER ZONE OF THE CEILING TILE. ALIGN CORRIDOR SPRINKLER HEADS IN THE SAME LINE PARALLEL TO THE WALL WITHIN EACH SPECIFIC CEILING CONSTRUCTION.
M. PROVIDE SHADE POCKET AT EACH GLASS/WINDOW CONDITION. SEE RCP SHEETS FOR MORE INFORMATION

RCP LEGEND

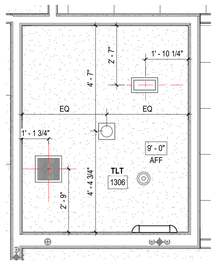
- EXIT SYMBOL TAG — LIGHTED WITH DIRECTIONAL ARROWS
- 10'-0" AFF — CEILING HEIGHT
- ACT 1 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 2 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 3 — SEE FINISH LEGEND FOR MORE INFORMATION
- ACT 4 — SEE FINISH LEGEND FOR MORE INFORMATION
- GYPSUM BOARD CEILING SYSTEM
- 12" x 12" ACCESS PANEL
- EXHAUST- SEE MECHANICAL DWGS FOR MORE INFORMATION
- ACCESS PANEL / EXHAUST GRILLE - SEE MECHANICAL
- DECORATIVE FIXTURE SEE ELECTRICAL DWGS FOR MORE INFORMATION
- LIGHTART CIRCLE CEILING TILE/ DECORATIVE NOT A LIGHTING SOURCE
- LARGE DECORATIVE FIXTURE SEE ELECTRICAL DWGS FOR MORE INFORMATION
- PLAM SOFFIT AT CASEWORK
- SUSPENDED LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- 2'x2' LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- 2'x4' LIGHT FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RECESSED DOWNLIGHT - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RECESSED LINEAR FIXTURE - SEE ELECTRICAL DWGS FOR MORE INFORMATION
- CLOSET WALL MOUNTED LINEAR FIXTURE - SEE ELECTRICAL FOR MORE INFORMATION
- LINEAR SLOT SUPPLY GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- 2'x2' SUPPLY GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- 2'x2' RETURN GRILLE - SEE MECHANICAL DWGS FOR MORE INFORMATION
- CURTAIN TRACK
- CUT TILE LOCATION; SEE RCP
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- DECORATIVE PENDANT SEE ELECTRICAL DWGS FOR MORE INFORMATION
- RS — SINGLE MANUAL ROLLER SHADE
- RS2 — DOUBLE MANUAL ROLLER SHADE



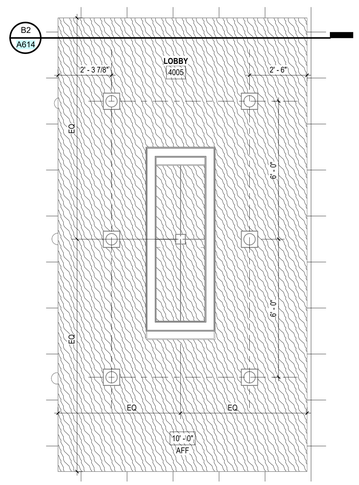
B3 / A450 **ENLARGED RCP - LEVEL 1 SUB WAIT 1463**
3/8" = 1'-0"



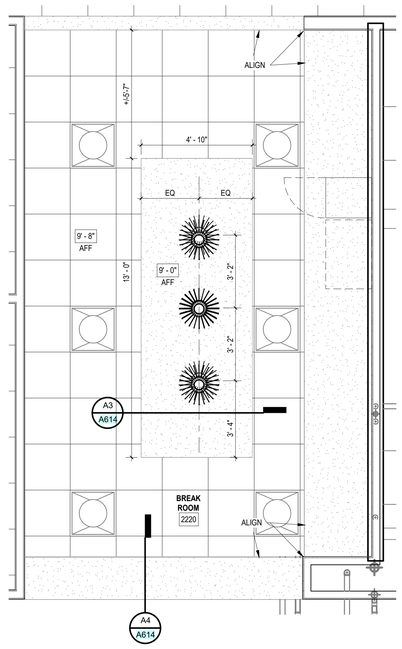
B2 / A450 **ENALRGED RCP - S. TLT 2264 2265 2266 2267 AND P TLT 2268**
3/8" = 1'-0"



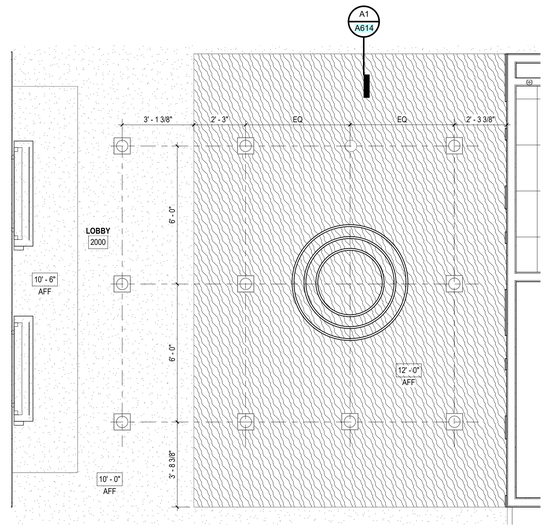
B1 / A450 **ENLARGED RCP - TLT 1306**
3/8" = 1'-0"



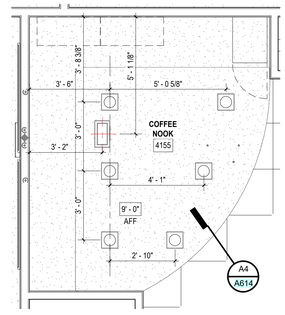
A4 / A450 **ENLARGED RCP - LEVEL 3 & LEVEL 4 LOBBY 3000, 4005**
3/8" = 1'-0"



A3 / A450 **ENLARGED RCP - LEVEL 2 BREAK ROOM 2220**
3/8" = 1'-0"



A2 / A450 **ENLARGED RCP - LEVEL 2 LOBBY 2000**
3/8" = 1'-0"



A1 / A450 **ENLARGED RCP - LEVEL 4 COFFEE NOOK 4155**
3/8" = 1'-0"

mcmillan pazdan smith ARCHITECTURE
EDIFICE CONSTRUCTION
MPS ARCHITECTS, PC — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA
NORTH CAROLINA REGISTERED — SEAL 17165 — ANNE MARIE CONNELLY — 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

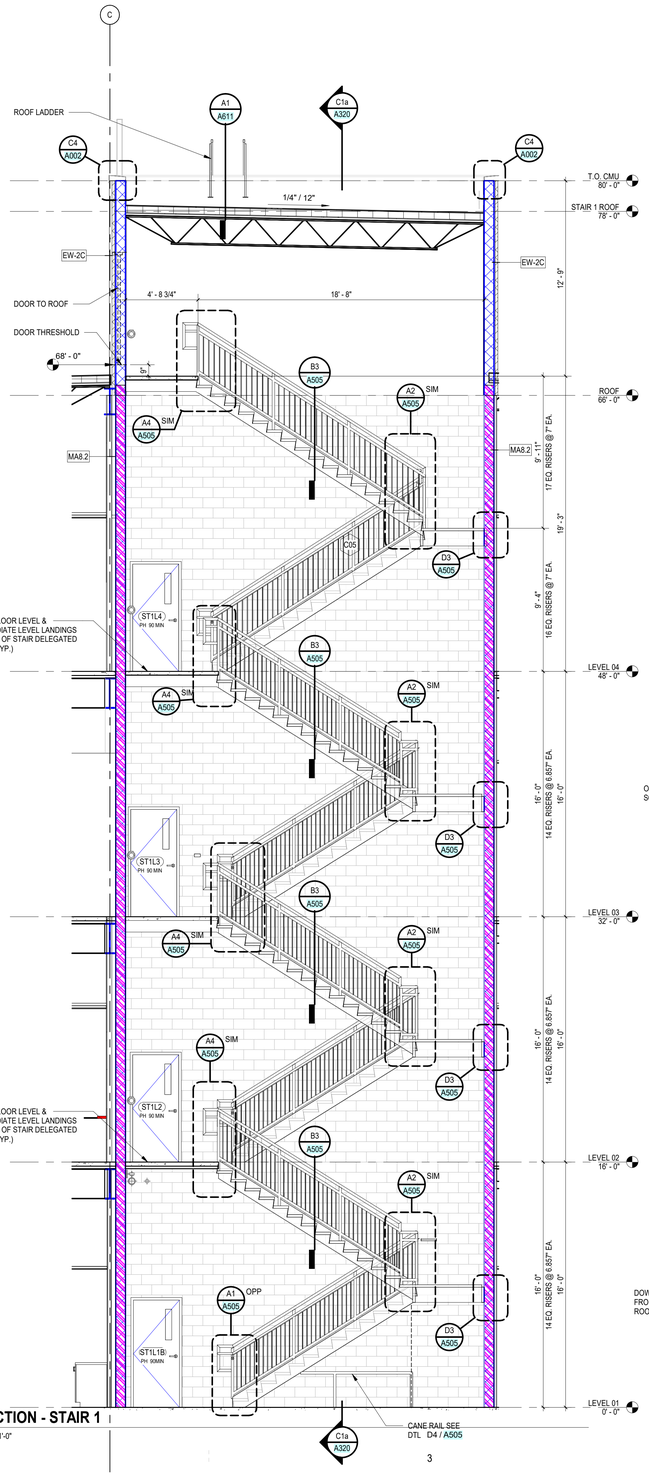
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
ENLARGED RCPS

SHEET NO. A450
PROJ. NO. 024370.01

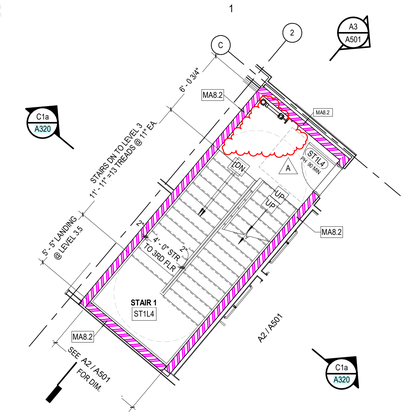
4/2/2026 1:27:14 PM Autodesk Docs://2025.01 @ Brunswick County Health & Human Services/BCHS_Brunswick County Health and Human Services_R25_v1.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED ON ANY OTHER PROJECT. WITH THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR FURNISHED ACCORDED TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THIS PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH.
ALL RIGHTS RESERVED



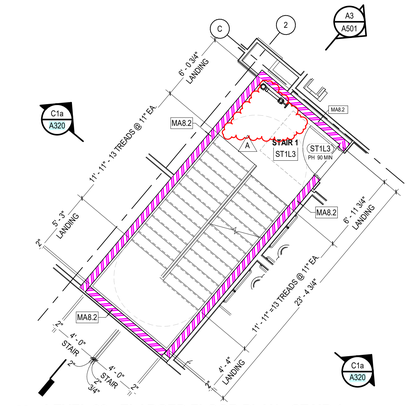
A3 / A501 **SECTION - STAIR 1**
1/4" = 1'-0"

GENERAL STAIR NOTES

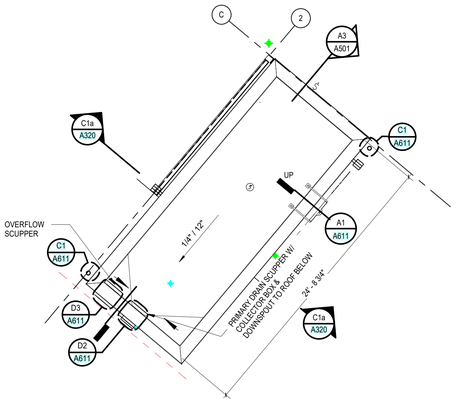
1. PER NCBC 2018 / IBC 2015 1011.6 DOOR SWING OVERLAP IS <1/2 REQ'D EXIT WIDTH THEREFORE OK. ADDITIONALLY, WHEN FULLY OPEN IT DOES NOT PROJECT MORE THAN 7" INTO EGRESS WIDTH, THEREFORE OK.
2. SEE C2 / A505 FOR STAIR FINISH FLOORING DETAIL
3. SEE C1 / A505 & D1 / A505 FOR ADDITIONAL HANDRAIL DETAILS



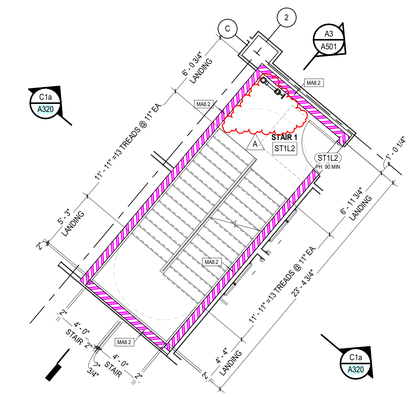
D1 / A501 **LEVEL 04 - ELARGED FLOOR PLAN - STAIR 1**
3/16" = 1'-0"



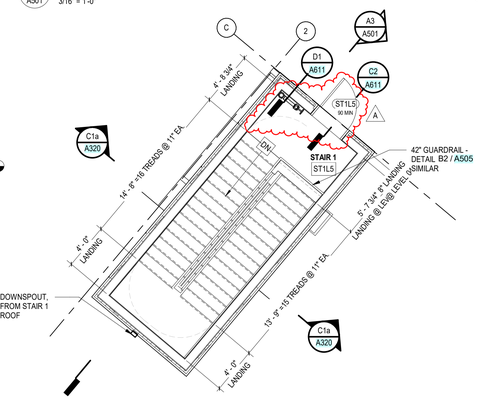
C1 / A501 **LEVEL 03 - ELARGED FLOOR PLAN - STAIR 1**
3/16" = 1'-0"



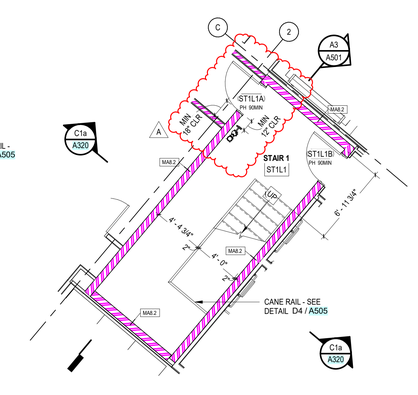
B2 / A501 **LEVEL ROOF PLAN - ENLARGED FLOOR PLAN - STAIR 1**
3/16" = 1'-0"



B1 / A501 **LEVEL 02 - ELARGED FLOOR PLAN - STAIR 1**
3/16" = 1'-0"



A2 / A501 **LEVEL ROOF ACCESS - ENLARGED FLOOR PLAN - STAIR 1**
3/16" = 1'-0"



A1 / A501 **LEVEL 01 - ELARGED FLOOR PLAN - STAIR 1**
3/16" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERTIFIED ARCHITECTURAL CORPORATION CHARLOTTE, NORTH CAROLINA CERT. NO. 54314

NORTH CAROLINA REGISTERED SEAL 17308 KAY MARIE CONNELLY 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

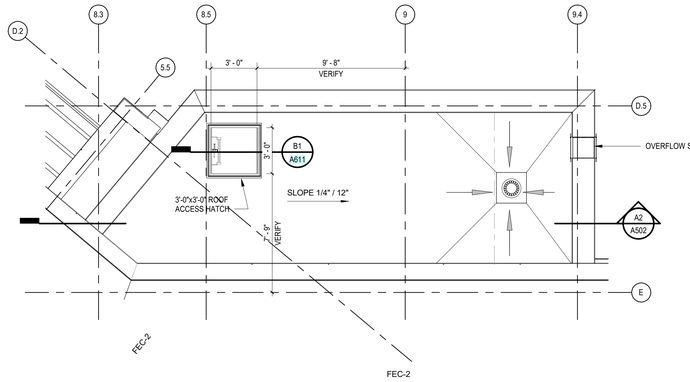
SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/26	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

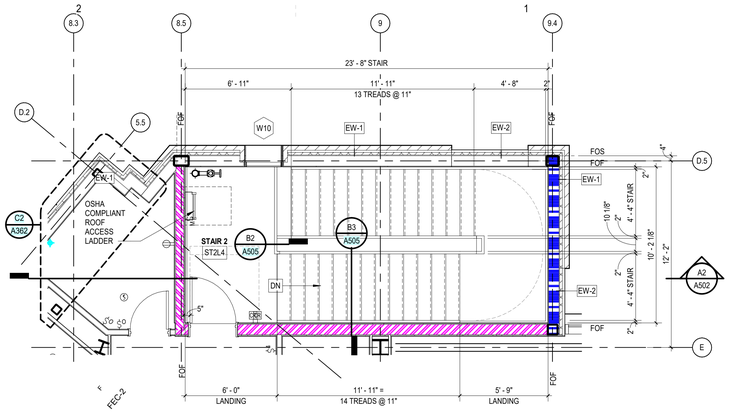
SHEET TITLE:
STAIR PLANS - STAIR 1

SHEET NO. A501
PROJ. NO. 024370.01



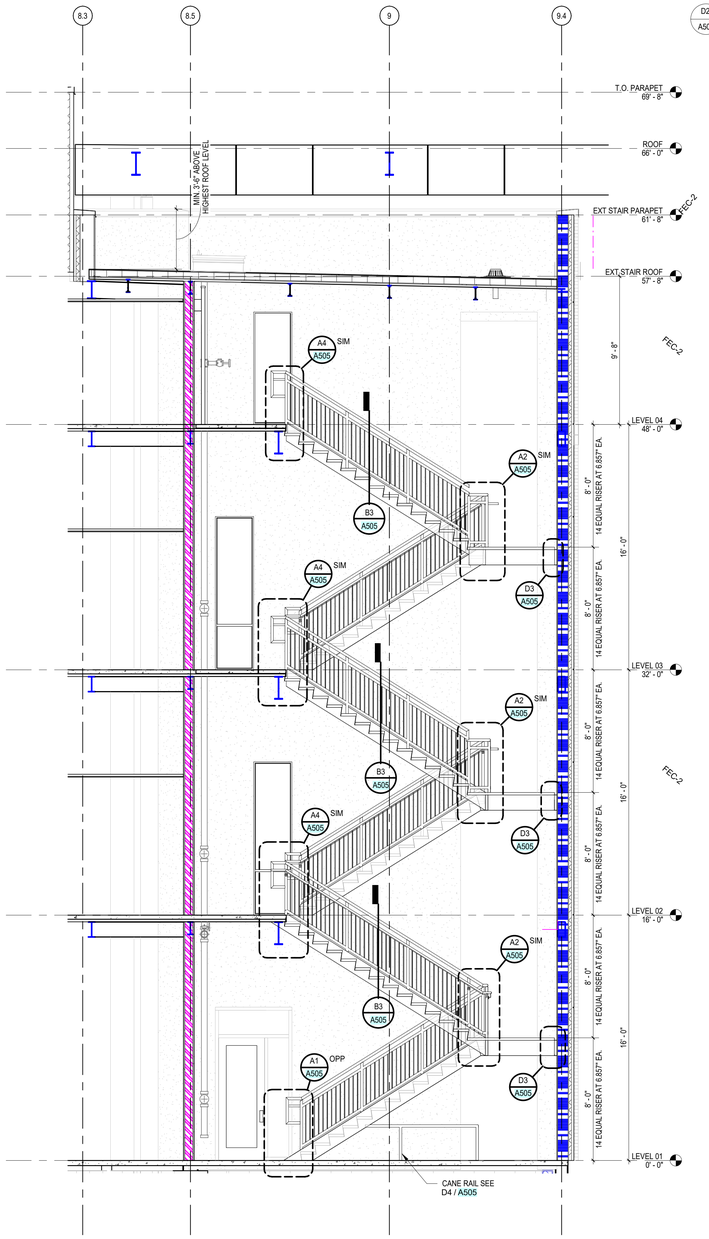
D2 A502 **LEVEL ROOF - ENLARGED FLOOR PLAN - STAIR 2**

1/4" = 1'-0"



D1 A502 **LEVEL 04 - ENLARGED FLOOR PLAN - STAIR 2**

1/4" = 1'-0"

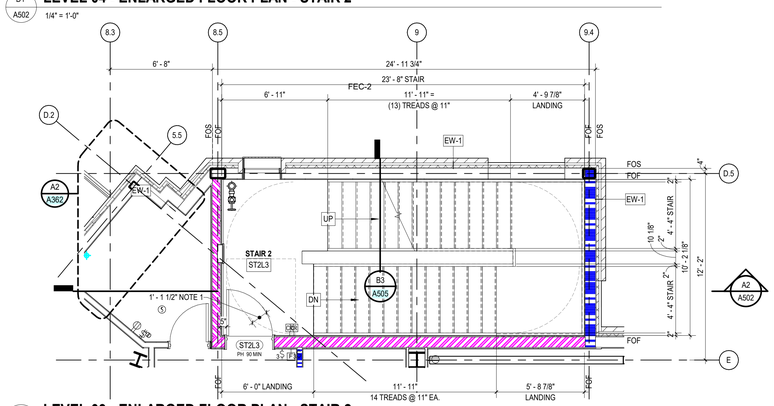


A2 A502 **SECTION - STAIR 2**

1/4" = 1'-0"

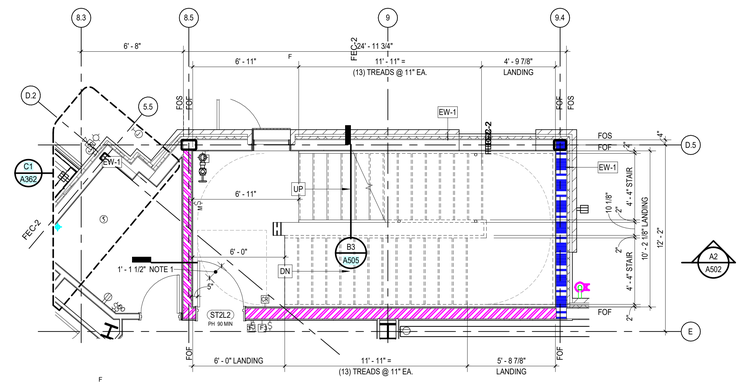
GENERAL STAIR NOTES

1. PER NCBC 2018 / IBC 2015 1011.6 DOOR SWING OVERLAP IS <1/2 REQ'D EXIT WIDTH THEREFORE OK; ADDITIONALLY, WHEN FULLY OPEN IT DOES NOT PROJECT MORE THAN 7" INTO EGRESS WIDTH, THEREFORE OK.
2. SEE C2 / A505 FOR STAIR FINISH FLOORING DETAIL.
3. SEE C1 / A505 & D1 / A505 FOR ADDITIONAL HANDRAIL DETAILS



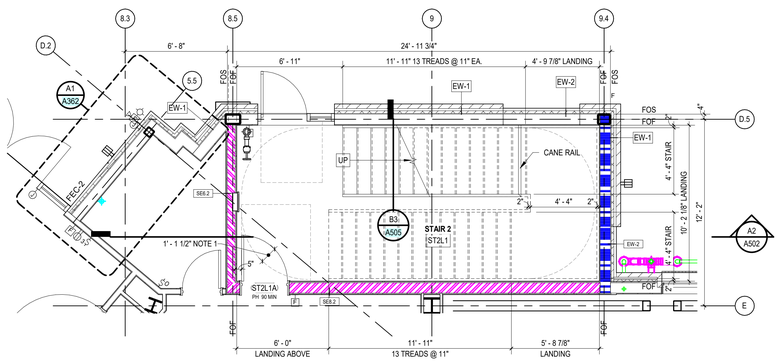
C1 A502 **LEVEL 03 - ENLARGED FLOOR PLAN - STAIR 2**

1/4" = 1'-0"



B1 A502 **LEVEL 02 - ENLARGED FLOOR PLAN - STAIR 2**

1/4" = 1'-0"



A1 A502 **LEVEL 01 - ENLARGED FLOOR PLAN - STAIR 2**

1/4" = 1'-0"

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THEY ARE NOT TO BE USED ON ANY OTHER PROJECT AND WITH RESPECT TO THIS PROJECT ARE NOT TO BE LOANED, COPIED OR DISCLOSED TO ANYONE EXCEPT BY WRITTEN AGREEMENT WITH THE ARCHITECT. ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING THE COPYRIGHT, IN THE PROJECT, IS AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR DESTROYED UPON THE COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, PC — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED — SEAL 17165 — MARIE COMMERCIAL — 02/09/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

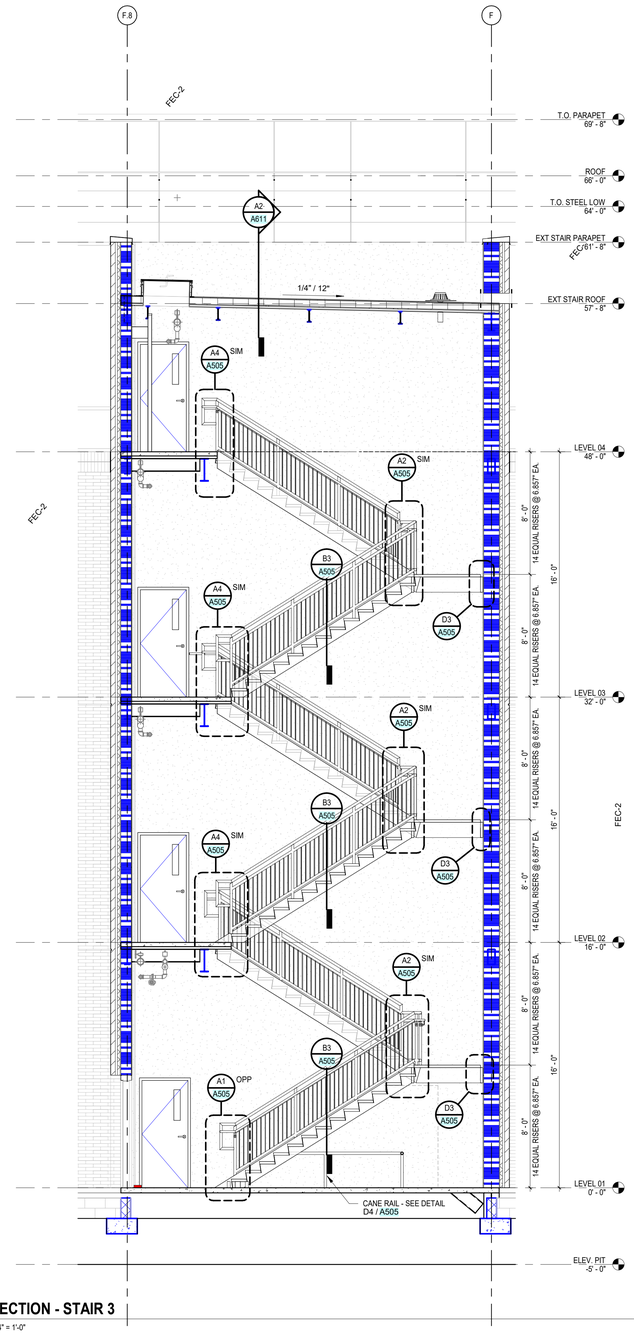
SHEET TITLE:

STAIR PLANS - STAIR 2

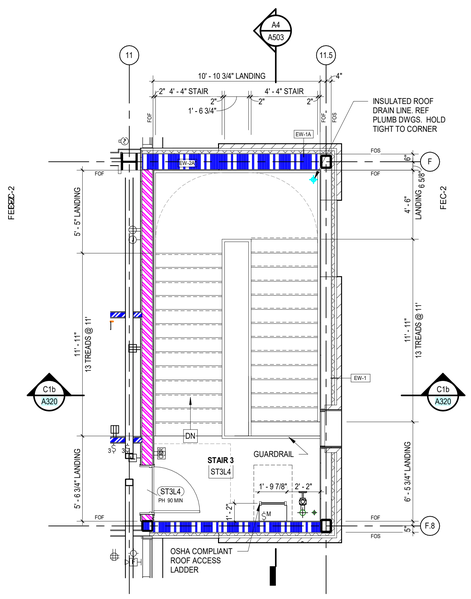
SHEET NO. A502

PROJ. NO. 024370.01

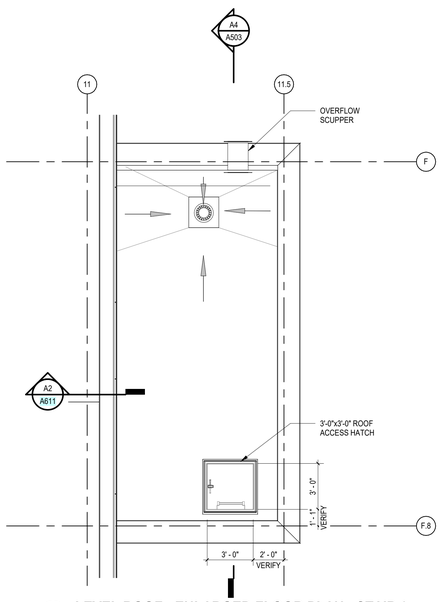
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THEY ARE NOT TO BE USED ON ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ON WHEN IN PERFECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ON WHEN IN PERFECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. © COPYRIGHT 2025 MCMILLAN PAZDAN SMITH ALL RIGHTS RESERVED



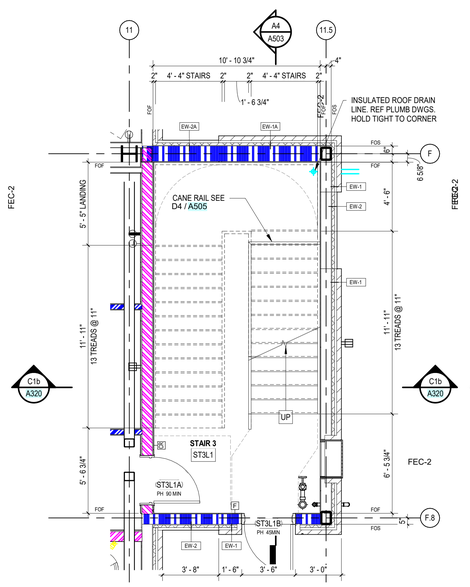
A4 A503 — **SECTION - STAIR 3**
1/4" = 1'-0"



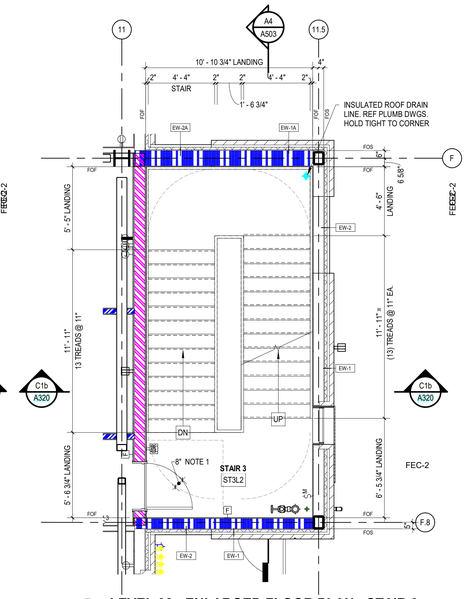
B2 A503 — **LEVEL 04 - ENLARGED FLOOR PLAN - STAIR 3**
1/4" = 1'-0"



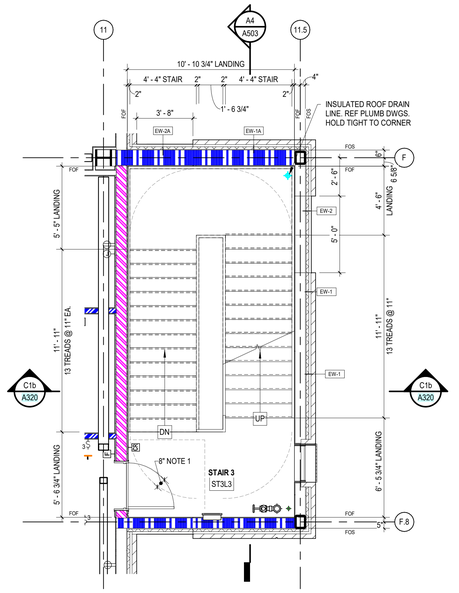
B1 A503 — **LEVEL ROOF - ENLARGED FLOOR PLAN - STAIR 3**
1/4" = 1'-0"



A3 A503 — **LEVEL 01 - ENLARGED FLOOR PLAN - STAIR 3**
1/4" = 1'-0"



A2 A503 — **LEVEL 02 - ENLARGED FLOOR PLAN - STAIR 3**
1/4" = 1'-0"



A1 A503 — **LEVEL 03 - ENLARGED FLOOR PLAN - STAIR 3**
1/4" = 1'-0"

GENERAL STAIR NOTES

1. PER NCBC 2018 / IBC 2015 1011.6 DOOR SWING OVERLAP IS <1/2 REQ'D EXIT WIDTH THEREFORE OK; ADDITIONALLY, WHEN FULLY OPEN IT DOES NOT PROJECT MORE THAN 7" INTO EGRESS WIDTH, THEREFORE OK.
2. SEE C2 / A505 FOR STAIR FINISH FLOORING DETAIL.
3. SEE C1 / A505 & D1 / A505 FOR ADDITIONAL HANDRAIL DETAILS

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERT. NO. 54314 REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17165 LAURA MARIE CONNELLY 02/09/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

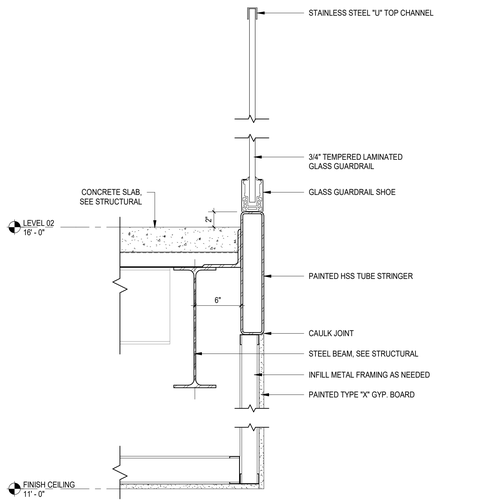
SHEET TITLE:

STAIR PLANS - STAIR 3

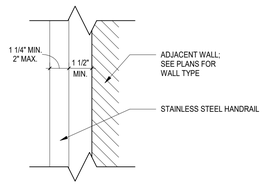
SHEET NO. A503

PROJ. NO. 024370.01

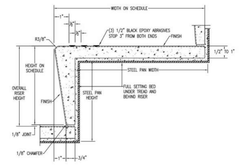
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF LONG CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR STORED, ACCORDED UPON TERMINATION OF THE PROJECT. THEY ARE NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED



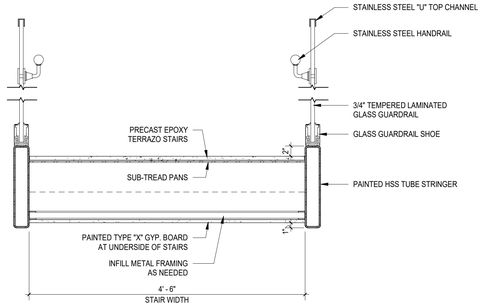
C4 / A504 **BULKHEAD AT ATRIUM**
1 1/2" = 1'-0"



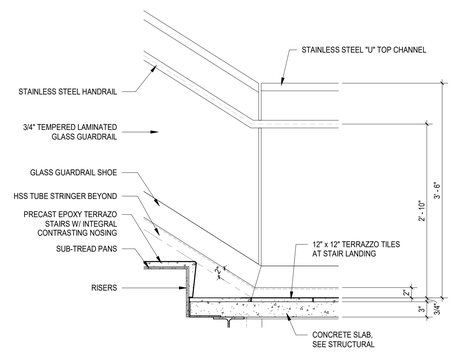
C3 / A504 **TYPICAL HANDRAIL PLAN DETAIL**
3" = 1'-0"



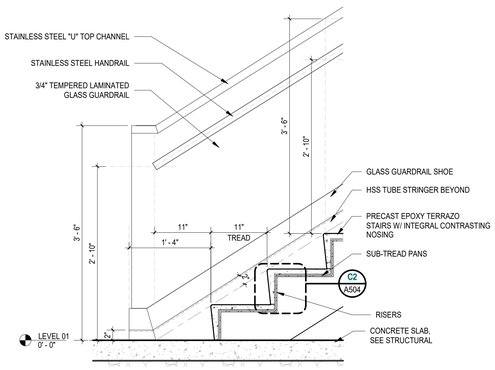
C2 / A504 **INTEGRAL GRID NOSING DETAIL**
3" = 1'-0"



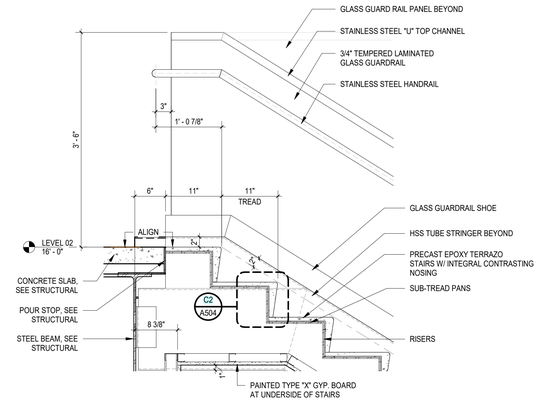
B4 / A504 **STAIR 4 - STEP SECTION**
1" = 1'-0"



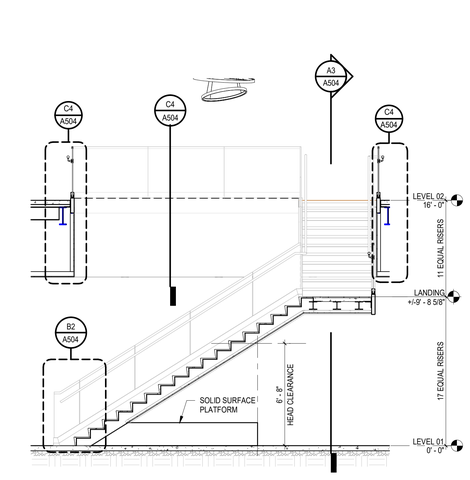
B3 / A504 **STAIR 4 - INTERMEDIATE LANDING**
1" = 1'-0"



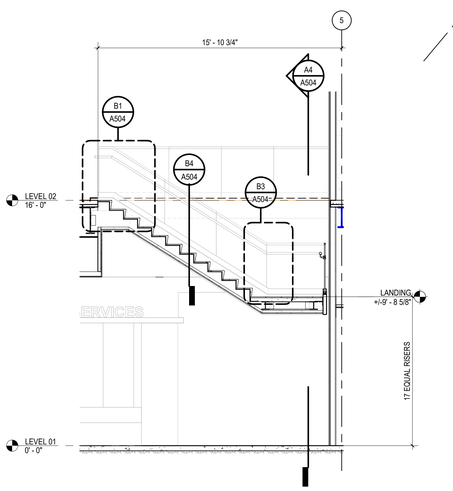
B2 / A504 **STAIR 4 - BASE**
1" = 1'-0"



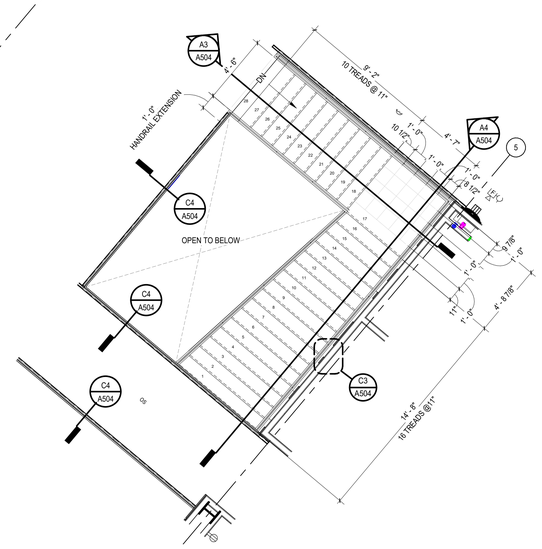
B1 / A504 **STAIR 4 - TOP**
1" = 1'-0"



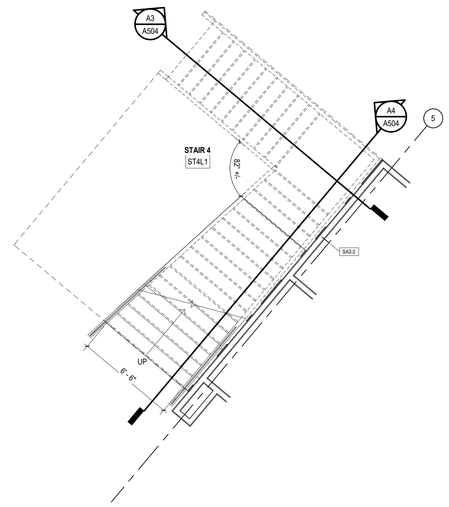
A4 / A504 **STAIR 4 - SECTION A**
1/4" = 1'-0"



A3 / A504 **STAIR 4 - SECTION B**
1/4" = 1'-0"



A2 / A504 **LEVEL 02 - ENLARGED FLOOR PLAN - STAIR 4**
1/4" = 1'-0"



A1 / A504 **LEVEL 01 - ENLARGED FLOOR PLAN - STAIR 4**
1/4" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERT. NO. 54314 CHARLOTTE, NORTH CARLOLINA

NORTH CAROLINA REGISTERED SEAL 17165 ANNE MARIE CONNELLY 02/05/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

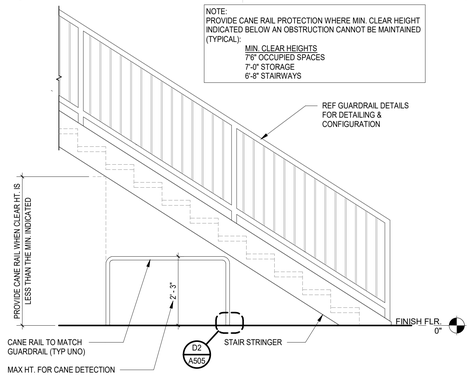
PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: D. KIM

SHEET TITLE:
STAIR PLANS - STAIR 4

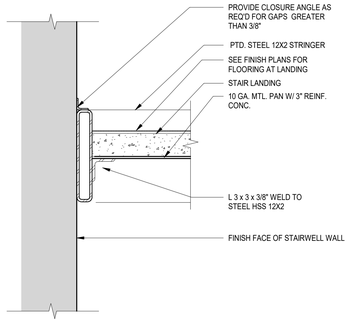
SHEET NO. A504
PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON THE PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT WITH THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

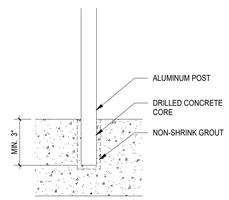
4/2/2026 7:28:19 PM - Autodesk Docs://2025.05 Brunswick County Health & Human Services/2025.05_Brunswick County Health and Human Services_R25.rvt



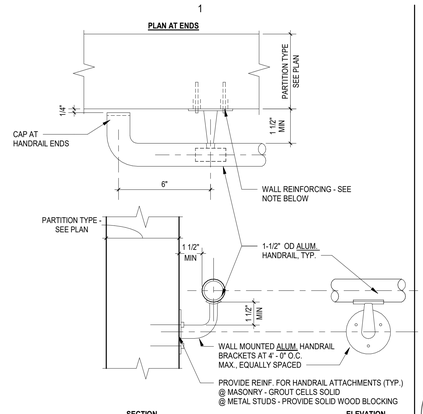
D4 / A505 **CANE RAIL DETAIL**
1/2" = 1'-0"



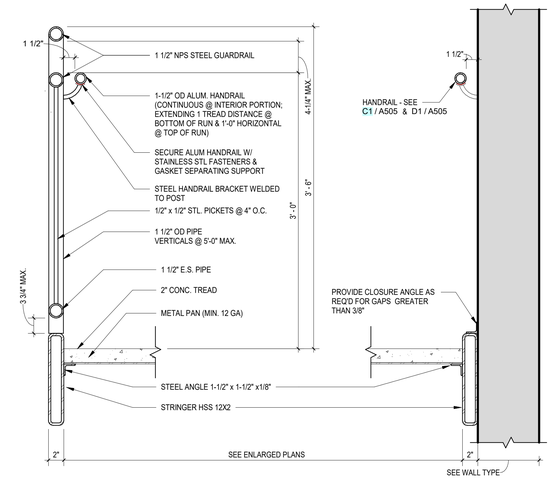
D3 / A505 **STAIR DETAIL AT INTERMEDIATE LANDING TO WALL**
1 1/2" = 1'-0"



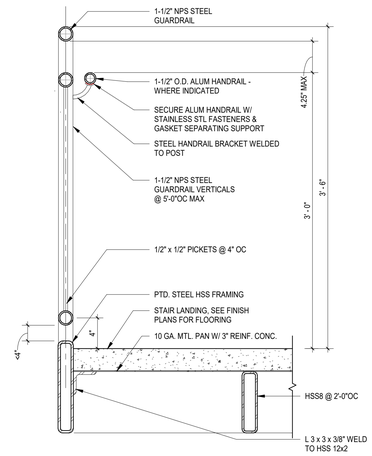
D2 / A505 **STAIR POST AT SLAB DETAIL**
3" = 1'-0"



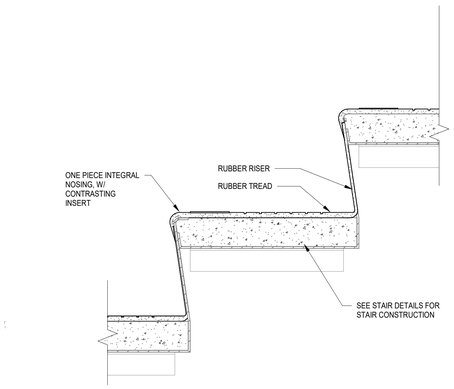
D1 / A505 **HANDRAIL DETAILS**
3" = 1'-0"



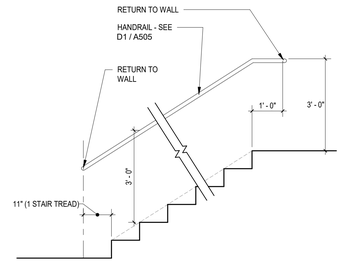
B3 / A505 **TYPICAL STAIR RUN SECTION**
1 1/2" = 1'-0"



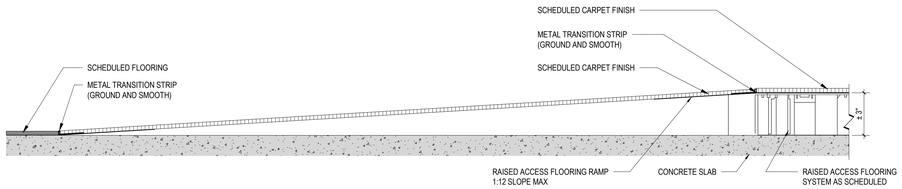
B2 / A505 **GUARDRAIL AT INTERMEDIATE LANDING**
1 1/2" = 1'-0"



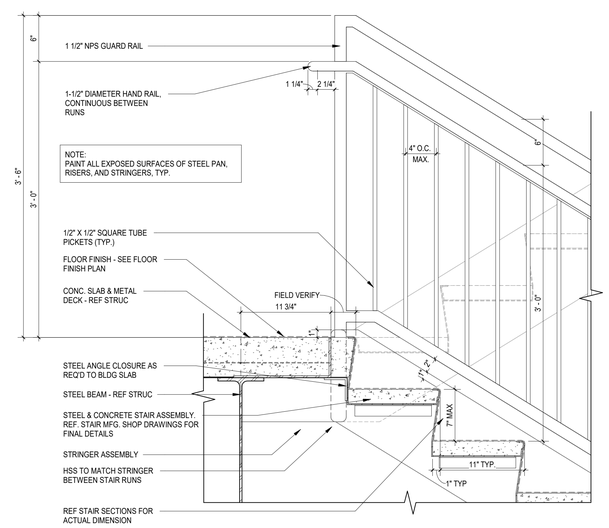
C2 / A505 **STAIR FINISH DETAIL**
3" = 1'-0"



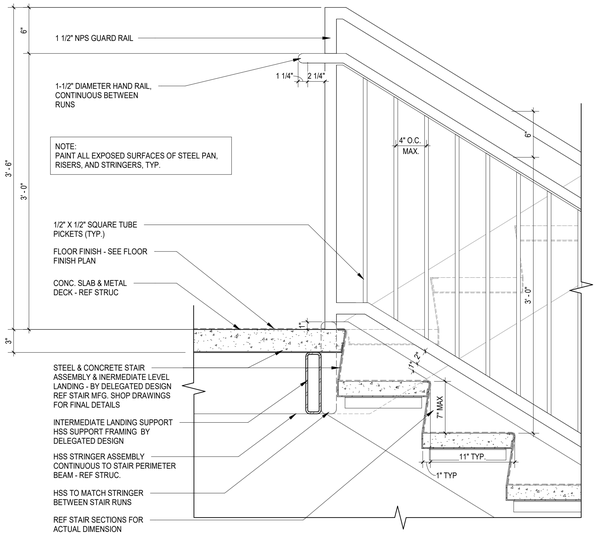
C1 / A505 **TYP. HANDRAIL DETAIL @ STAIRS ADJACENT TO WALLS**
1/2" = 1'-0"



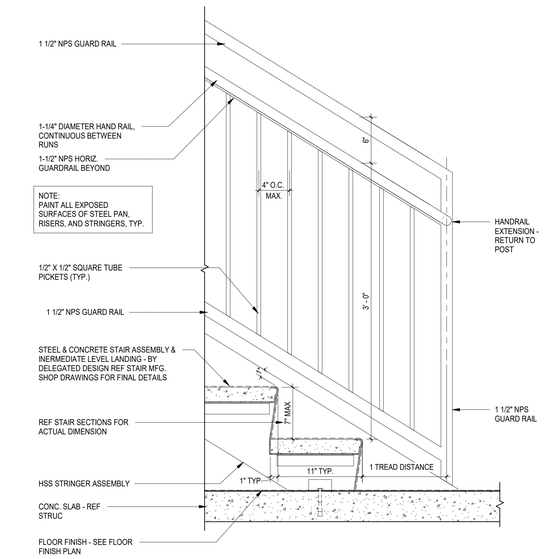
B1 / A505 **RAMP DETAILS - RASIED ACCESS FLOORING**
3" = 1'-0"



A4 / A505 **FLOOR LEVEL LANDING**
1 1/2" = 1'-0"



A2 / A505 **INTERMEDIATE LEVEL LANDING**
1 1/2" = 1'-0"



A1 / A505 **BOTTOM OF STAIR @ LEVEL 1 SLAB**
1 1/2" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, PC — CERT. NO. 54314 — REGISTERED ARCHITECTURAL CORPORATION — NORTH CAROLINA — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED — SEAL 17165 — LAURA MARIE CONNELLY — 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
STAIR AND RAMP DETAILS

SHEET NO. A505
PROJ. NO. 024370.01

GENERAL NOTES - ELEVATORS

1. ELEVATOR WORK IS CRITICAL TO THE AGGRESSIVE PROJECT SCHEDULE. PROVIDE ALL ELEVATOR MILESTONES ON PROJECT SCHEDULE, INCLUDING (BUT NOT LIMITED TO):
   A. SHOP DRAWINGS
   B. FABRICATION
   C. INSTALLATION
   D. STATE INSPECTIONS
   E. CERTIFICATE OF OPERATION

2. PAYMENT TO ELEVATOR PROVIDER FROM GENERAL CONTRACTOR WILL BE BASED UPON MILESTONES LISTED ABOVE AND ANY OTHERS PROVIDED BY GENERAL CONTRACTOR ON SCHEDULE OF VALUES. IN NO INSTANCE WILL FULL PAYMENT BE PROVIDED PRIOR TO MEETING EACH ESTABLISHED MILESTONE.

A 3. PROVIDE A(UL 2525 COMPLIANT) TWO-WAY EMERGENCY COMMUNICATION SYSTEM AT ALL LEVELS 2, 3, AND 4 ELEVATOR LOBBIES. SYSTEM IS TO INCLUDE AUDIO AND VISUAL COMMUNICATION. PROVIDE CODE REQUIRED SIGNAGE. REF ELEC DWGS.

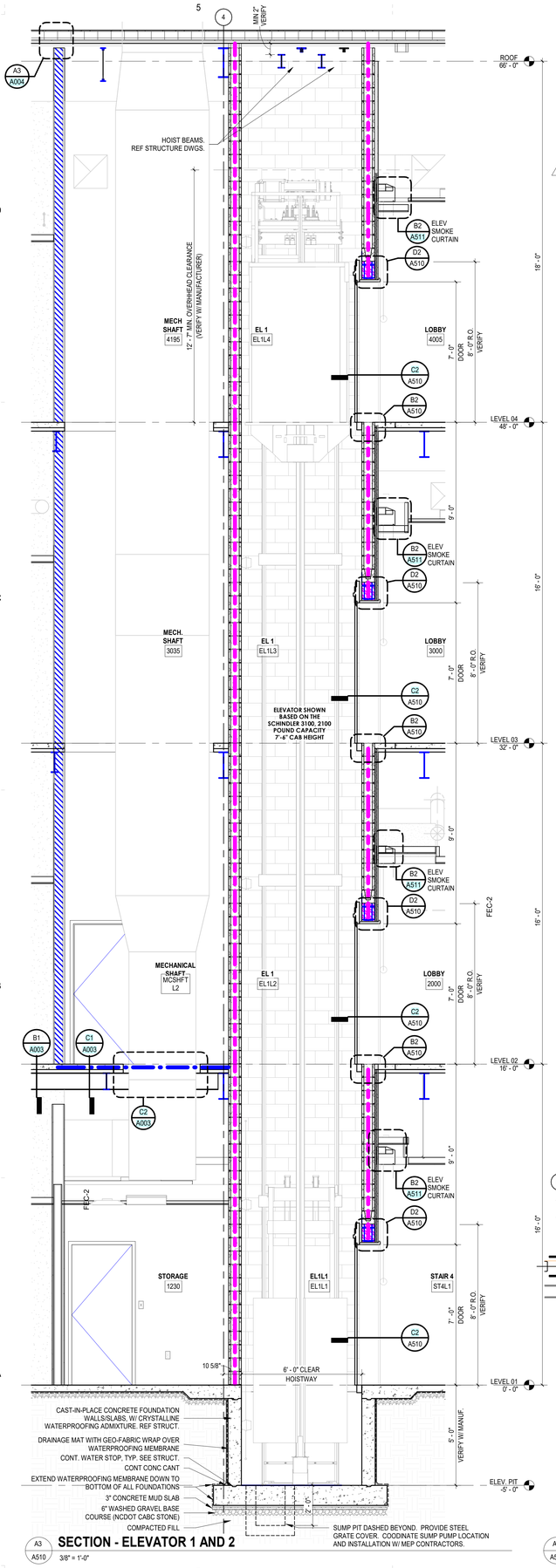
4. ELEVATOR PIT LADDER IS TO BE PROVIDED BY ELEVATOR PROVIDER. CONNECT TO ELEVATOR ELECTRICAL FOR RETRACTION / DEPLOYMENT. REF ELEC DWGS.

5. PROVIDE SPRINKLERS, HEAT DETECTORS & SMOKE DETECTORS REQUIRED PER IBC. SEE ENGINEERING DWGS.

6. GENERAL CONTRACTOR IS TO COORDINATE LOCATION OF SUMP PUMP DRAINAGE LINES WITH ALL OTHER TRADES.

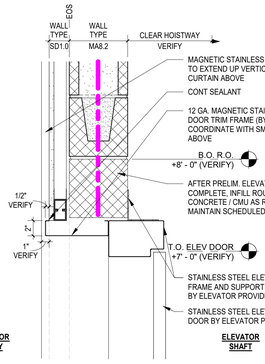
7. FIELD VERIFY ALL DIMENSIONS PRIOR TO COMMENCING ANY WORK.

8. PROVIDE CAB WALL PADS DURING CONSTRUCTION. TURN OVER TO OWNER AT SUBSTANTIAL COMPLETION.



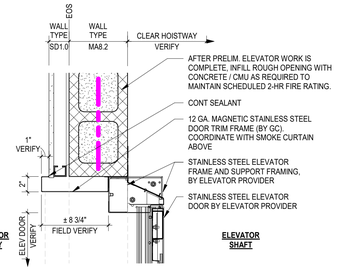
A3 A510 — 3/8" = 1'-0"

SECTION - ELEVATOR 1 AND 2



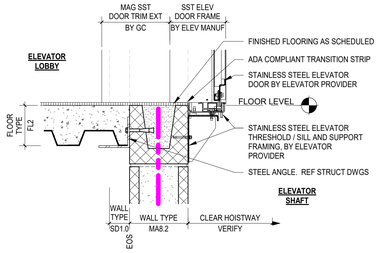
D2 A510 — 1 1/2" = 1'-0"

ELEVATOR HEAD DETAIL



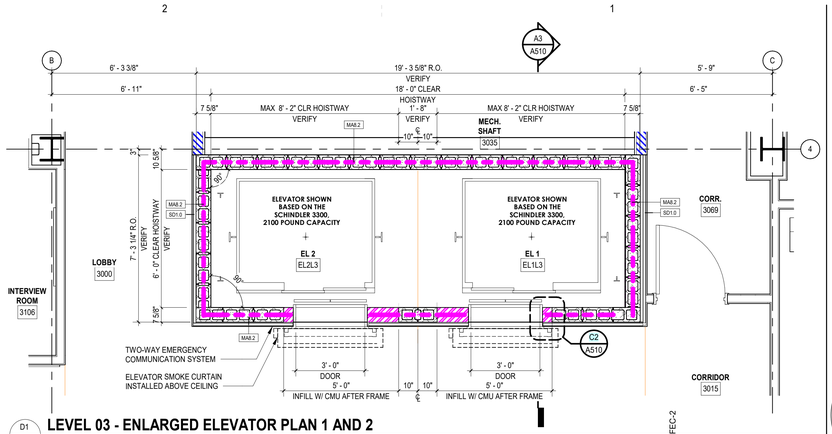
C2 A510 — 1 1/2" = 1'-0"

ELEVATOR JAMB DETAIL



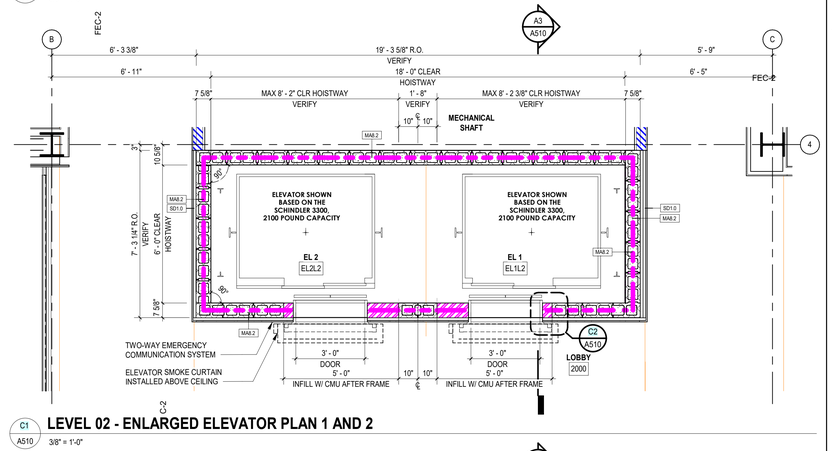
B2 A510 — 1 1/2" = 1'-0"

ELEVATOR SILL DETAIL



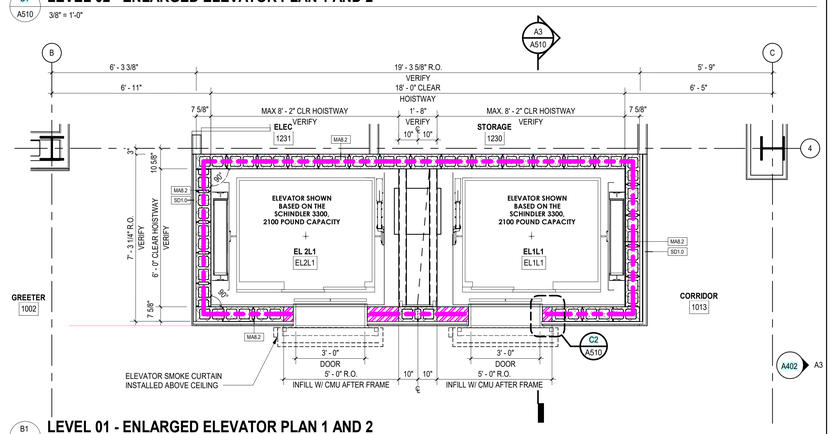
D1 A510 — 3/8" = 1'-0"

LEVEL 03 - ENLARGED ELEVATOR PLAN 1 AND 2



C1 A510 — 3/8" = 1'-0"

LEVEL 02 - ENLARGED ELEVATOR PLAN 1 AND 2



B1 A510 — 3/8" = 1'-0"

LEVEL 01 - ENLARGED ELEVATOR PLAN 1 AND 2

A2 A510 — 3/8" = 1'-0"

LEVEL 04 - ENLARGED ELEVATOR PLAN 1 AND 2

A1 A510 — 3/8" = 1'-0"

ENLARGED ELEVATOR PIT PLAN 1 AND 2

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE INSTRUMENTS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED ON REQUEST. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

5/7/2026 1:25:57 PM Author\n\nmcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERT. NO. 54314 REGISTERED ARCHITECTURAL CORPORATION CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 37308 KATHARINE MARIE CONNELLY 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/26	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
ELEVATORS 1 & 2
PLANS AND SECTION

SHEET NO. A510
PROJ. NO. 024370.01

GENERAL NOTES - ELEVATORS

1. ELEVATOR WORK IS CRITICAL TO THE AGGRESSIVE PROJECT SCHEDULE. PROVIDE ALL ELEVATOR MILESTONES ON PROJECT SCHEDULE, INCLUDING (BUT NOT LIMITED TO):
   A. SHOP DRAWINGS
   B. FABRICATION
   C. INSTALLATION
   D. STATE INSPECTIONS
   E. CERTIFICATE OF OPERATION

2. PAYMENT TO ELEVATOR PROVIDER FROM GENERAL CONTRACTOR WILL BE BASED UPON MILESTONES LISTED ABOVE AND ANY OTHERS PROVIDED BY GENERAL CONTRACTOR ON SCHEDULE OF VALUES. IN NO INSTANCE WILL FULL PAYMENT BE PROVIDED PRIOR TO MEETING EACH ESTABLISHED MILESTONE.

A 3. PROVIDE A UL 2525 COMPLIANT, TWO-WAY EMERGENCY COMMUNICATION SYSTEM AT ALL LEVELS 2, 3, AND 4 ELEVATOR LOBBIES. SYSTEM IS TO INCLUDE AUDIO AND VISUAL COMMUNICATION. PROVIDE CODE REQUIRED SIGNAGE. REF ELEC DWGS.

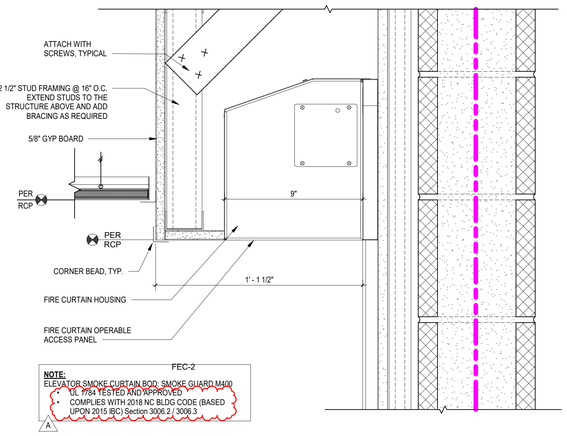
4. ELEVATOR PIT LADDER IS TO BE PROVIDED BY ELEVATOR PROVIDER. CONNECT TO ELEVATOR ELECTRICAL FOR RETRACTION / DEPLOYMENT. REF ELEC DWGS.

5. PROVIDE SPRINKLERS, HEAT DETECTORS & SMOKE DETECTORS REQUIRED PER IBC. SEE ENGINEERING DWGS.

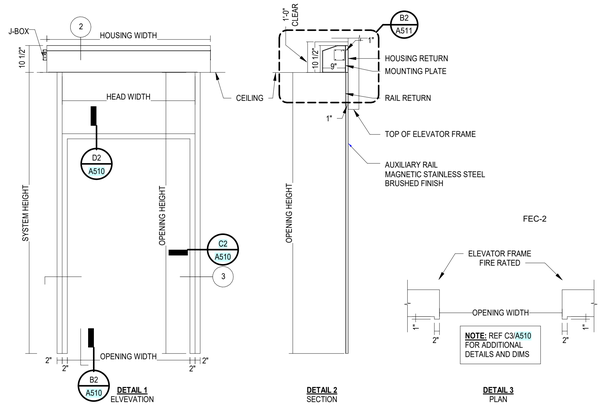
6. GENERAL CONTRACTOR IS TO COORDINATE LOCATION OF SUMP PUMP DRAINAGE LINES WITH ALL OTHER TRADES.

7. FIELD VERIFY ALL DIMENSIONS PRIOR TO COMMENCING ANY WORK.

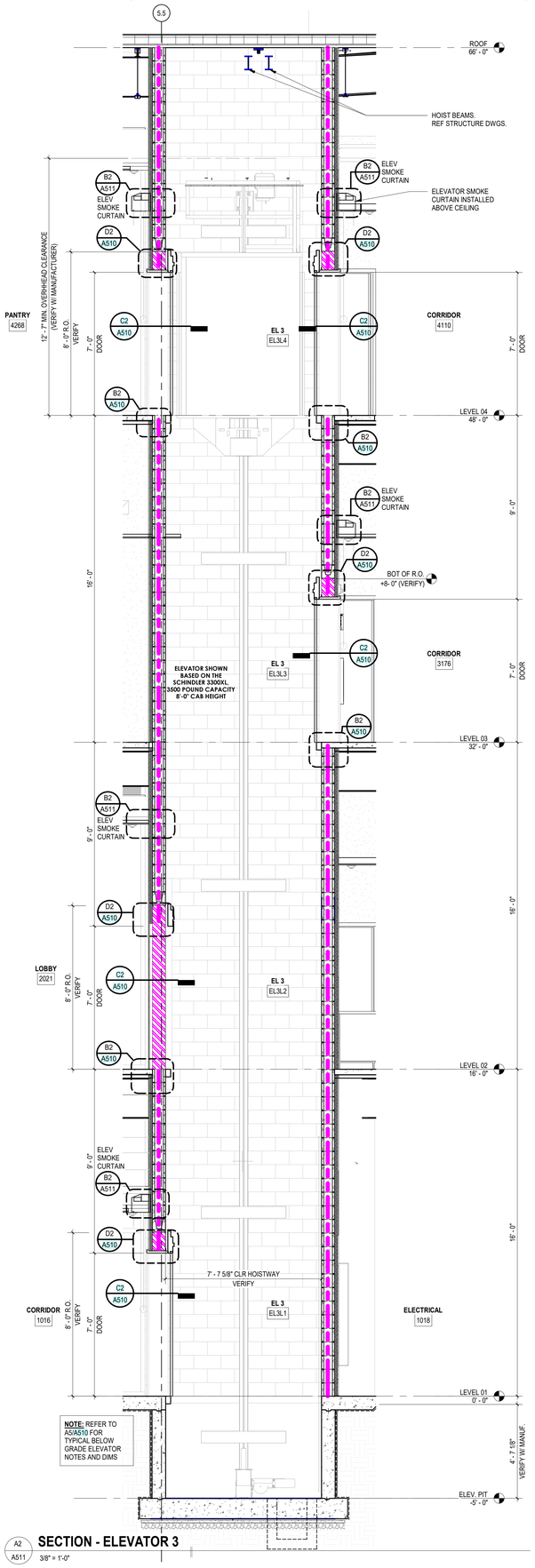
8. PROVIDE CAB WALL PADS DURING CONSTRUCTION. TURN OVER TO OWNER AT SUBSTANTIAL COMPLETION.



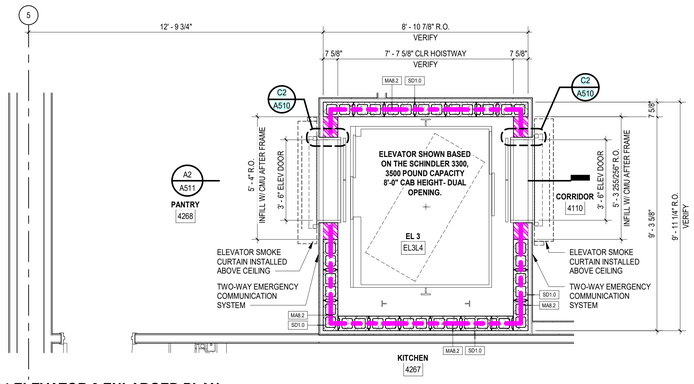
B2 A511 **SECTION DETAIL - ELEVATOR SMOKE CURTAIN AT GYP CEILING**
3" = 1'-0"



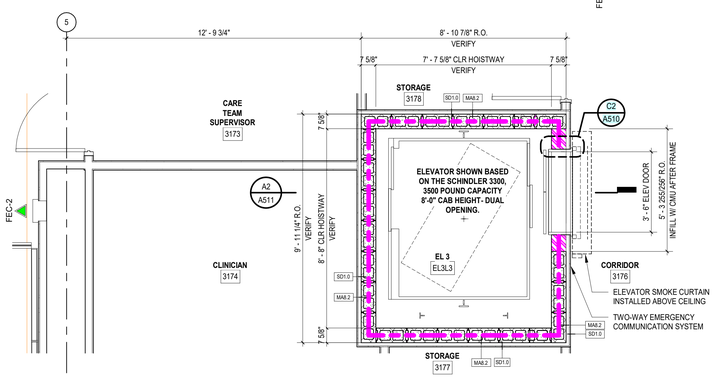
A3 A511 **ELEVATOR SMOKE CURTAIN DETAILS**
1/2" = 1'-0"



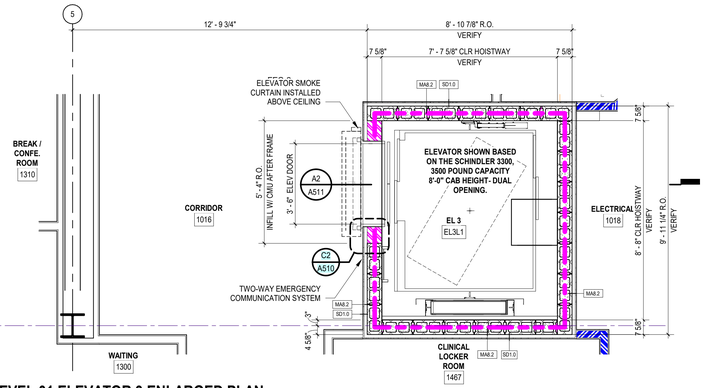
A2 A511 **SECTION - ELEVATOR 3**
3/8" = 1'-0"



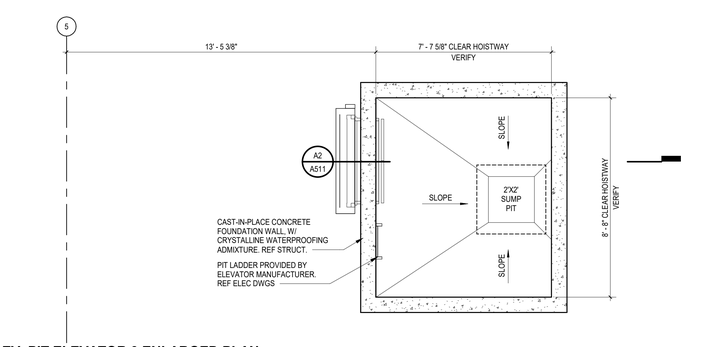
D1 A511 **LEVEL 04 ELEVATOR 3 ENLARGED PLAN**
3/8" = 1'-0"



C1 A511 **LEVEL 03 ELEVATOR 3 ENLARGED PLAN**
3/8" = 1'-0"



B1 A511 **LEVEL 01 ELEVATOR 3 ENLARGED PLAN**
3/8" = 1'-0"



A1 A511 **ELEV. PIT ELEVATOR 3 ENLARGED PLAN**
3/8" = 1'-0"

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE DOCUMENTS ARE NOT TO BE USED ON ANY PROJECT OTHER THAN THE PROJECT FOR WHICH THEY HAVE BEEN PREPARED, AND ARE NOT TO BE CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY, WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. IN THE EVENT OF UNAUTHORIZED REUSE OF THESE DOCUMENTS BY THE OWNER OR BY ANY THIRD PARTY, THE OWNER AND THIRD PARTY AGREE TO HOLD HARMLESS AND INDEMNIFY MCMILLAN PAZDAN SMITH ARCHITECTURE FOR ANY DAMAGES, LIABILITIES OR COSTS, INCLUDING REASONABLE ATTORNEY'S FEES AND COURT COSTS ARISING FROM OR ATTRIBUTABLE TO SUCH REUSE. ANY MODIFICATION OF THESE DOCUMENTS WITHOUT THE WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE IS AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO MCMILLAN PAZDAN SMITH ARCHITECTURE. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17108 MARIE CONNOLLY 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE:	02/06/2026
PHASE:	PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/26	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE:	M. SHEWARD
PROJECT ARCHITECT:	L. HOWELL
DRAWN BY:	Author

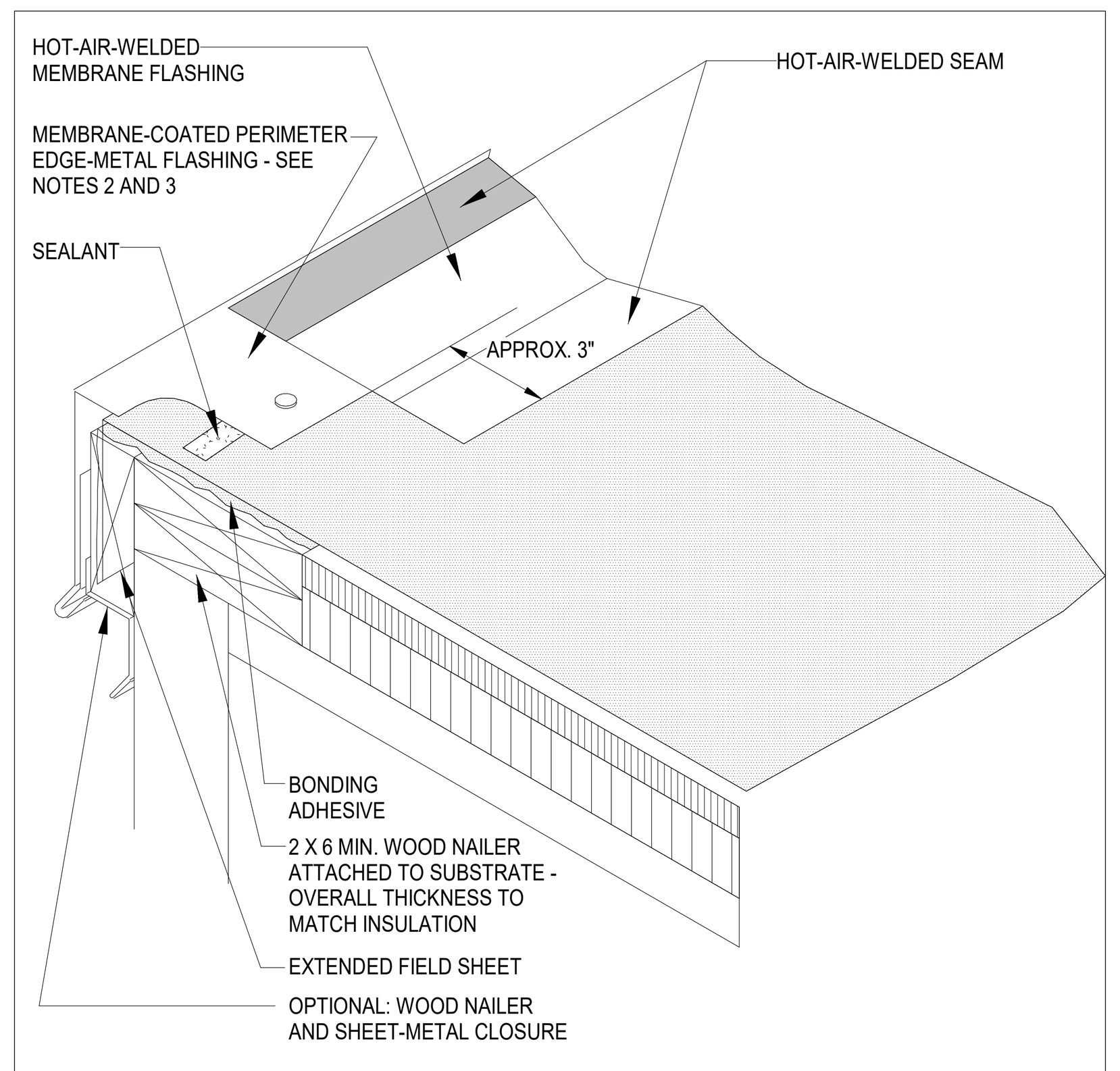
SHEET TITLE:

ELEVATOR 3 PLANS AND SECTION

SHEET NO. A511

PROJ. NO. 024370.01

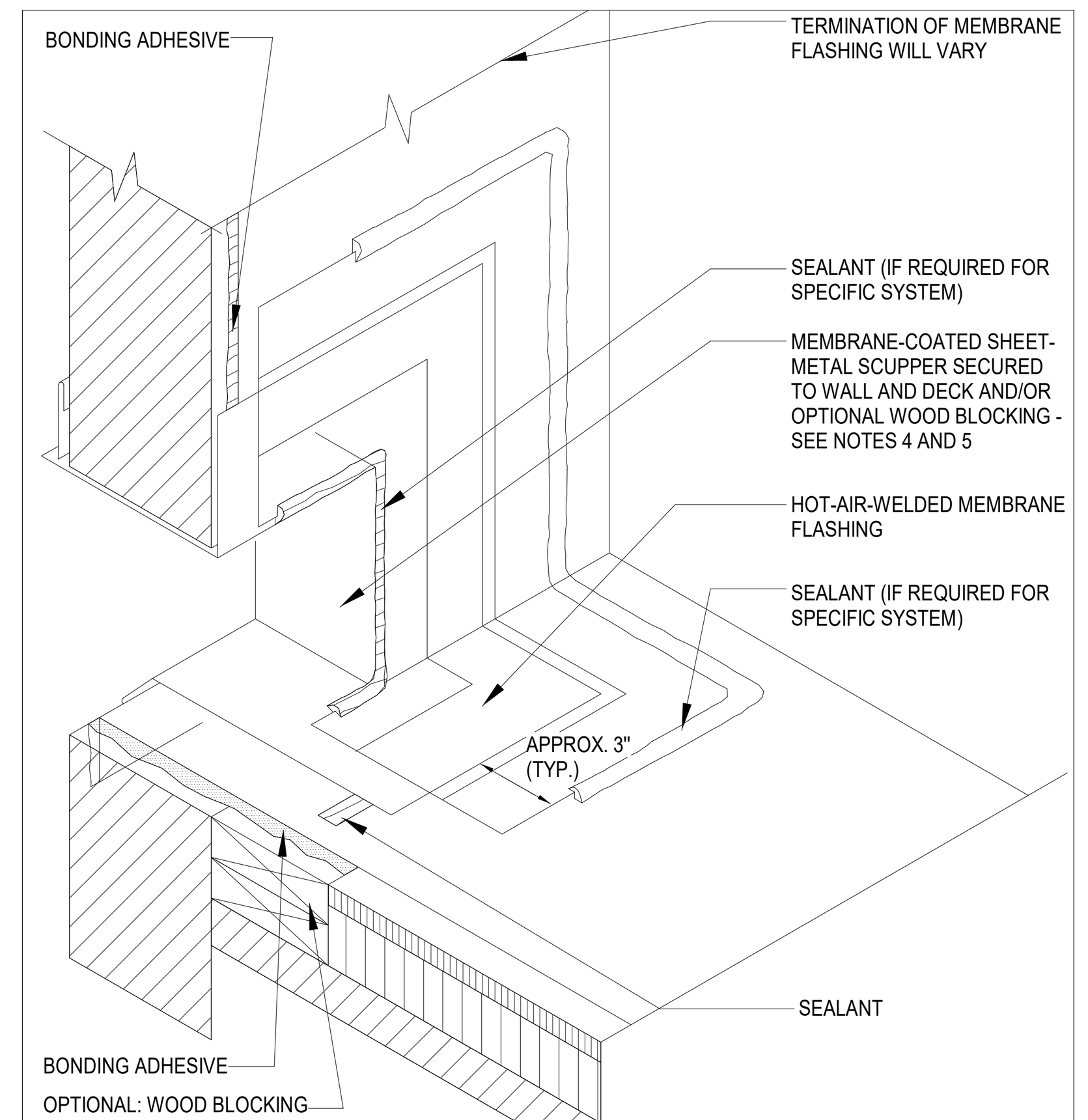
4/2/2026 12:28:56 PM Autodesk Docs://024370.00_Brunswick County Health & Human Services/ARCH_Brunswick County Health and Human Servic_R23.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2026 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED



NOTES:

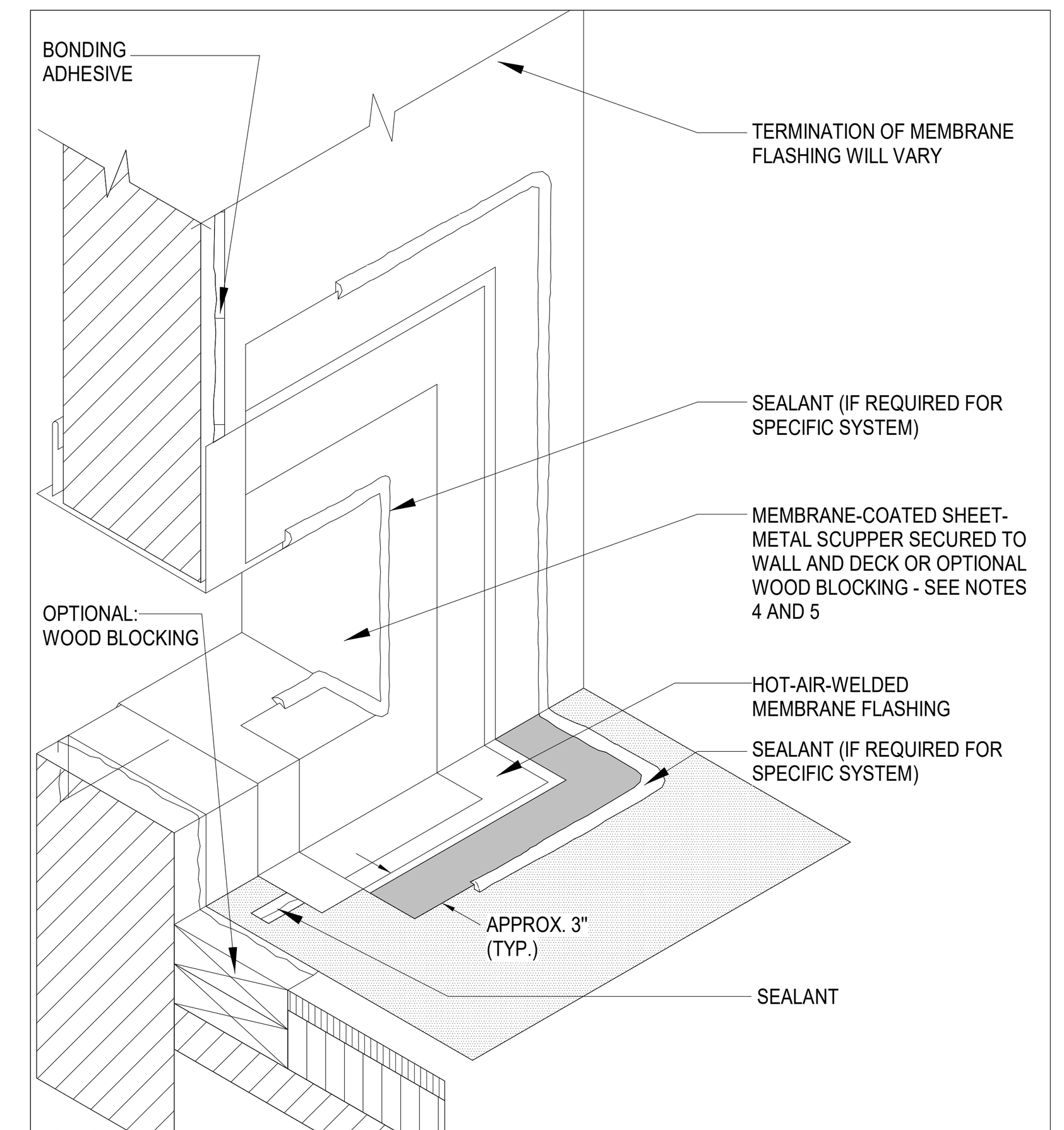
1. REFER TO MANUFACTURERS' SPECIFICATIONS FOR SPECIFIC REQUIREMENTS FOR BASE MEMBRANE ATTACHMENT AND PLACEMENT. MECHANICALLY ATTACHED SYSTEMS GENERALLY HAVE SPECIFIC ATTACHMENT REQUIREMENTS FOR PERIMETER LOCATIONS.
2. REFER TO THE ARCHITECTURAL METAL FLASHING SECTION OF THE NRCA ROOFING MANUAL: ARCHITECTURAL METAL FLASHING AND CONDENSATION AND AIR LEAKAGE CONTROL FOR DESIGN, JOINERY AND SECUREMENT OPTIONS FOR GRAVEL STOPS.
3. REFER TO THE INTRODUCTION OF THE CONSTRUCTION DETAILS CHAPTER FOR ADDITIONAL INFORMATION.

2023 — DRAINING PERIMETER EDGE METAL WITH MEMBRANE COATING — NOT DRAWN TO SCALE — TP-4



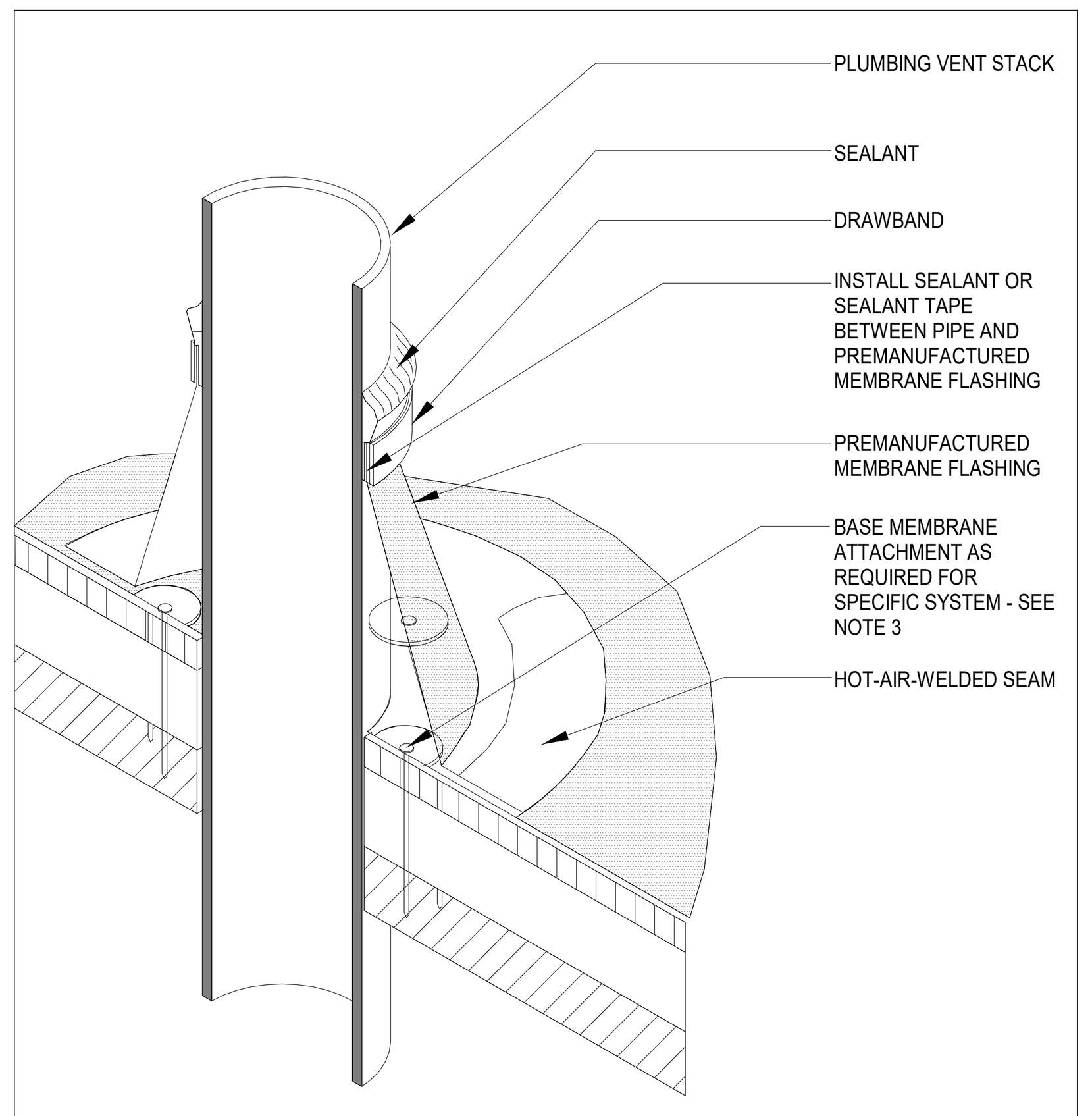
NOTES:
1. THIS DETAIL DOES NOT ALLOW FOR DIFFERENTIAL MOVEMENT BETWEEN THE DECK AND WALL.
2. CONDUCTOR HEAD TO BE 1 INCH MINIMUM BELOW BOTTOM OF THROUGH-WALL SCUPPER.
3. REFER TO THE INTRODUCTION OF THE CONSTRUCTION DETAILS CHAPTER FOR ALTERNATIVE BASE SECUREMENT OPTIONS.
4. REFER TO THE ARCHITECTURAL METAL FLASHING SECTION OF THE NRCA ROOFING MANUAL: ARCHITECTURAL METAL FLASHING AND CONDENSATION AND AIR LEAKAGE CONTROL FOR DESIGN, JOINERY AND SECUREMENT OPTIONS FOR SCUPPERS.
5. REFER TO THE INTRODUCTION OF THE CONSTRUCTION DETAILS CHAPTER FOR ADDITIONAL INFORMATION.

2023 — BASE FLASHING AT THROUGH-WALL SCUPPER — NOT DRAWN TO SCALE — TP-30



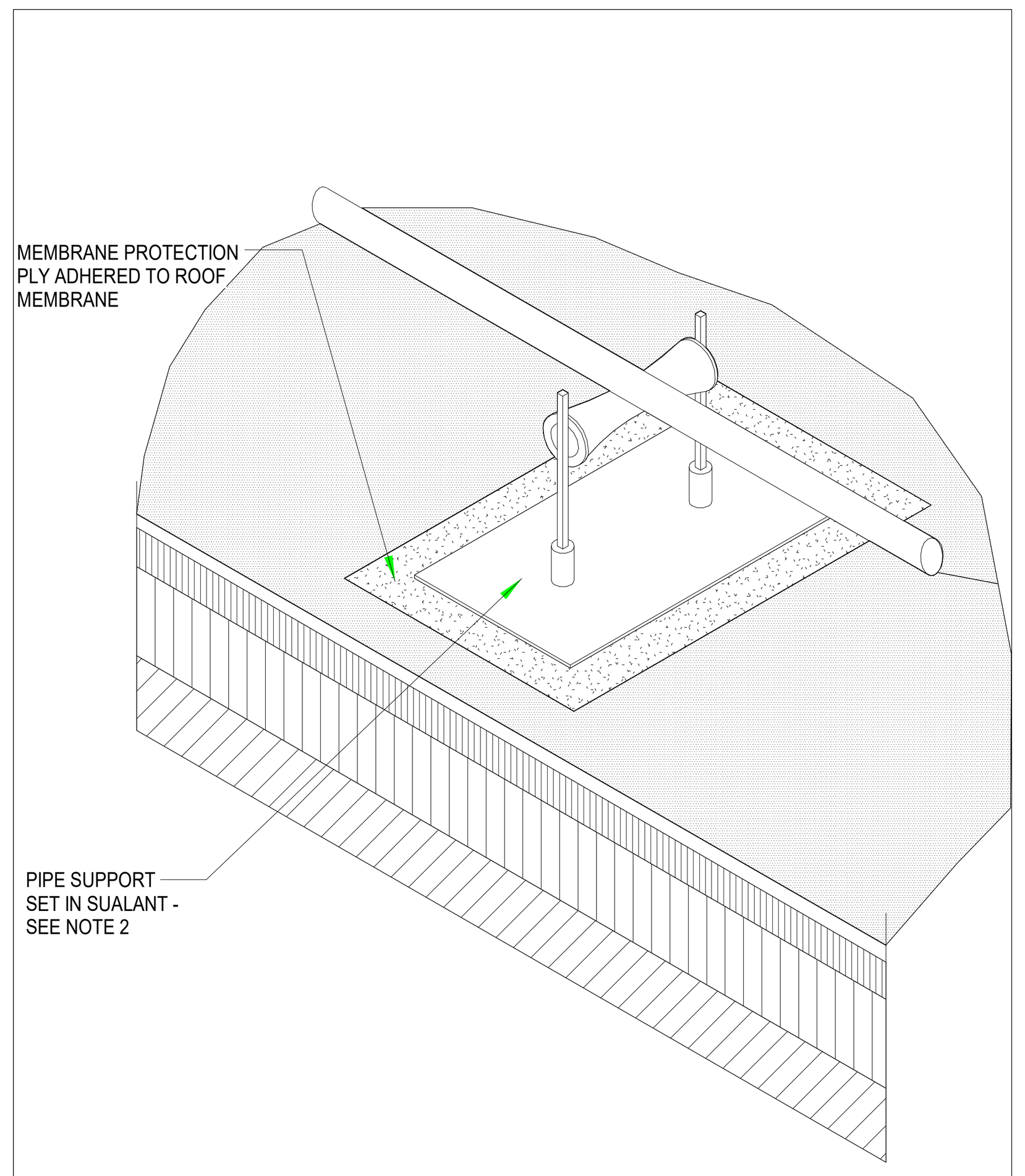
NOTES:
1. THIS DETAIL DOES NOT ALLOW FOR DIFFERENTIAL MOVEMENT BETWEEN THE DECK AND WALL.
2. ELEVATION OF SCUPPER MAY VARY.
3. REFER TO THE INTRODUCTION OF THE CONSTRUCTION DETAILS FOR ALTERNATIVE BASE SECUREMENT OPTIONS.
4. REFER TO THE ARCHITECTURAL METAL FLASHING SECTION OF THE NRCA ROOFING MANUAL: ARCHITECTURAL METAL FLASHING AND CONDENSATION AND AIR LEAKAGE CONTROL FOR DESIGN, JOINERY AND SECUREMENT OPTIONS FOR SCUPPERS.
5. REFER TO THE INTRODUCTION OF THE CONSTRUCTION DETAILS CHAPTER FOR ADDITIONAL INFORMATION.

2023 — BASE FLASHING AT OVERFLOW SCUPPER — NOT DRAWN TO SCALE — TP-31



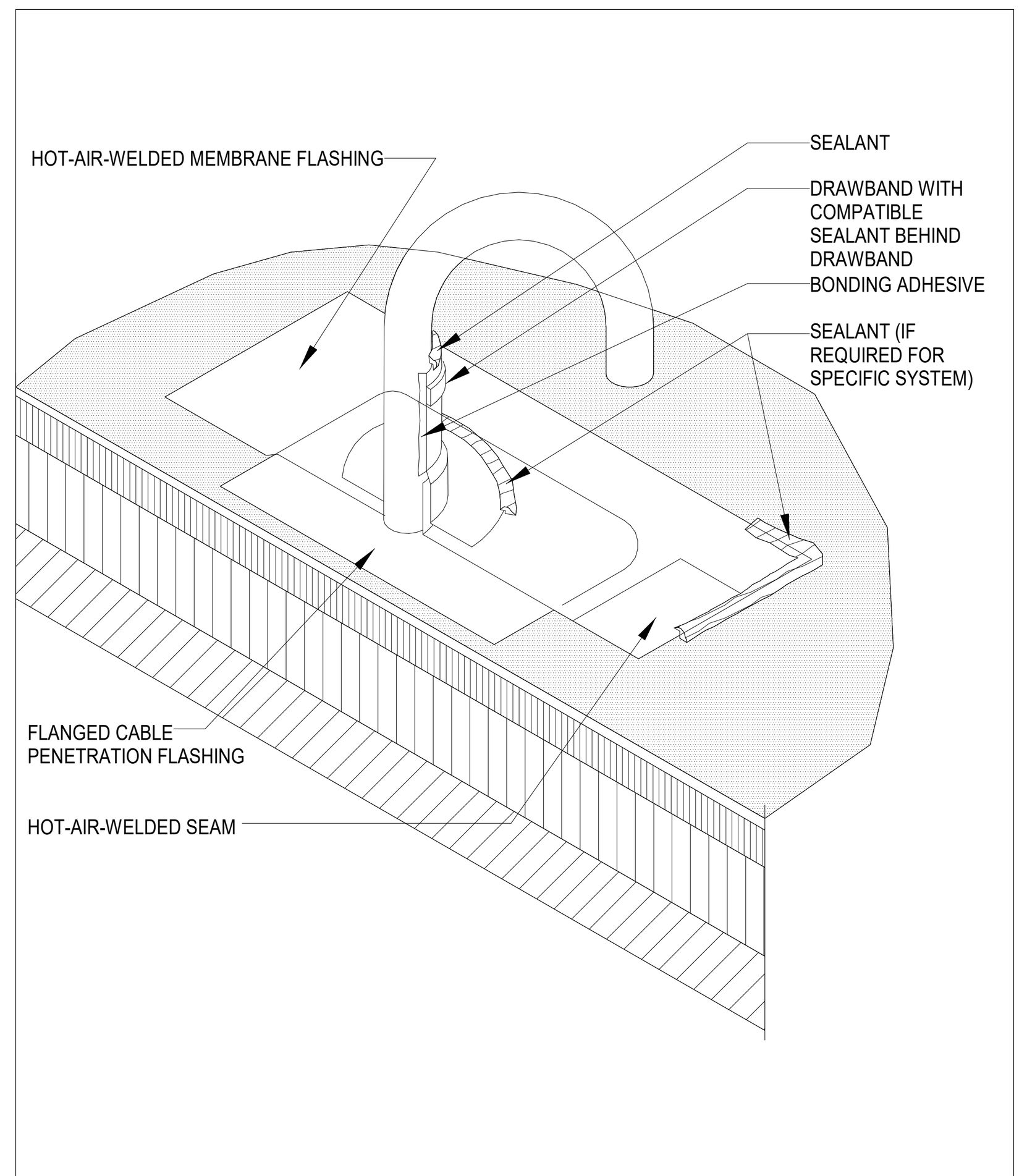
NOTES:
1. VENT STACKS AND OTHER PIPES SHOULD HAVE A MINIMUM OF 12 INCHES OF CLEARANCE ON ALL SIDES FROM WALLS, CURBS AND OTHER PROJECTIONS TO FACILITATE PROPER FLASHING. SEE THE INTRODUCTION TO THE CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION.
2. NRCA RECOMMENDS FLASHINGS BE 8 INCHES HIGH; HOWEVER, NRCA IS AWARE PREMANUFACTURED BOOT FLASHINGS GENERALLY WILL NOT MEET THE HEIGHT REQUIREMENT.
3. REFER TO MANUFACTURERS' SPECIFICATIONS FOR SPECIFIC REQUIREMENTS FOR BASE MEMBRANE ATTACHMENT AND PLACEMENT. MECHANICALLY ATTACHED SYSTEMS GENERALLY HAVE SPECIFIC ATTACHMENT REQUIREMENTS FOR PENETRATION LOCATIONS.
4. REFER TO THE INTRODUCTION OF THE CONSTRUCTION DETAILS CHAPTER FOR ADDITIONAL INFORMATION.

2023 — PLUMBING VENT [PREMANUFACTURED BOOT] — NOT DRAWN TO SCALE — TP-20



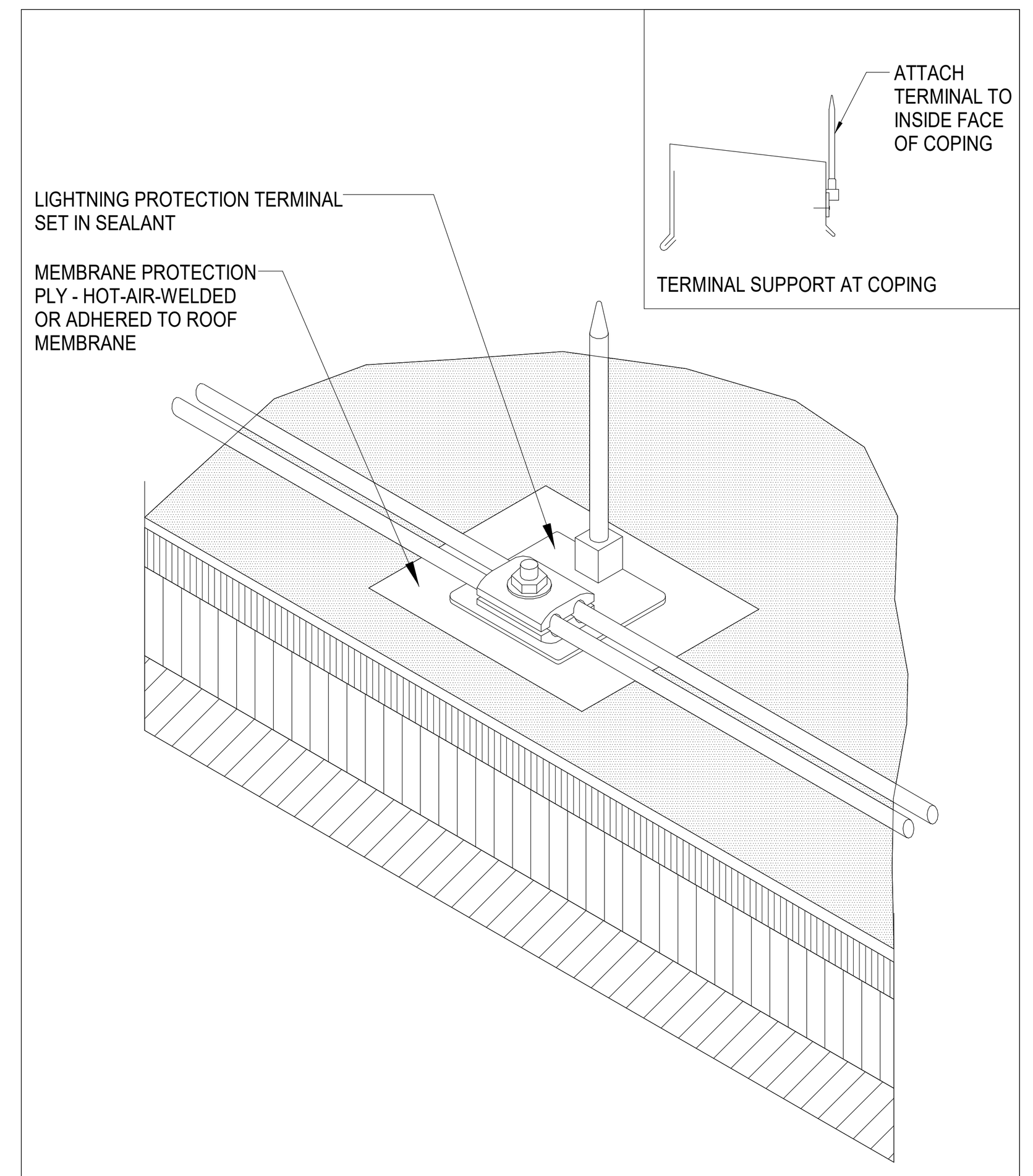
NOTES:
1. THIS DETAIL IS DESIGNED TO ELIMINATE ROOF DAMAGE RESULTING FROM EXPANSION AND CONTRACTION OF PIPES. PIPE SUPPORTS MAYVARY.
2. REFER TO THE INTRODUCTION OF THE CONSTRUCTION DETAILS CHAPTER FOR ADDITIONAL INFORMATION.

2023 — PIPE SUPPORT — NOT DRAWN TO SCALE — TP-23A



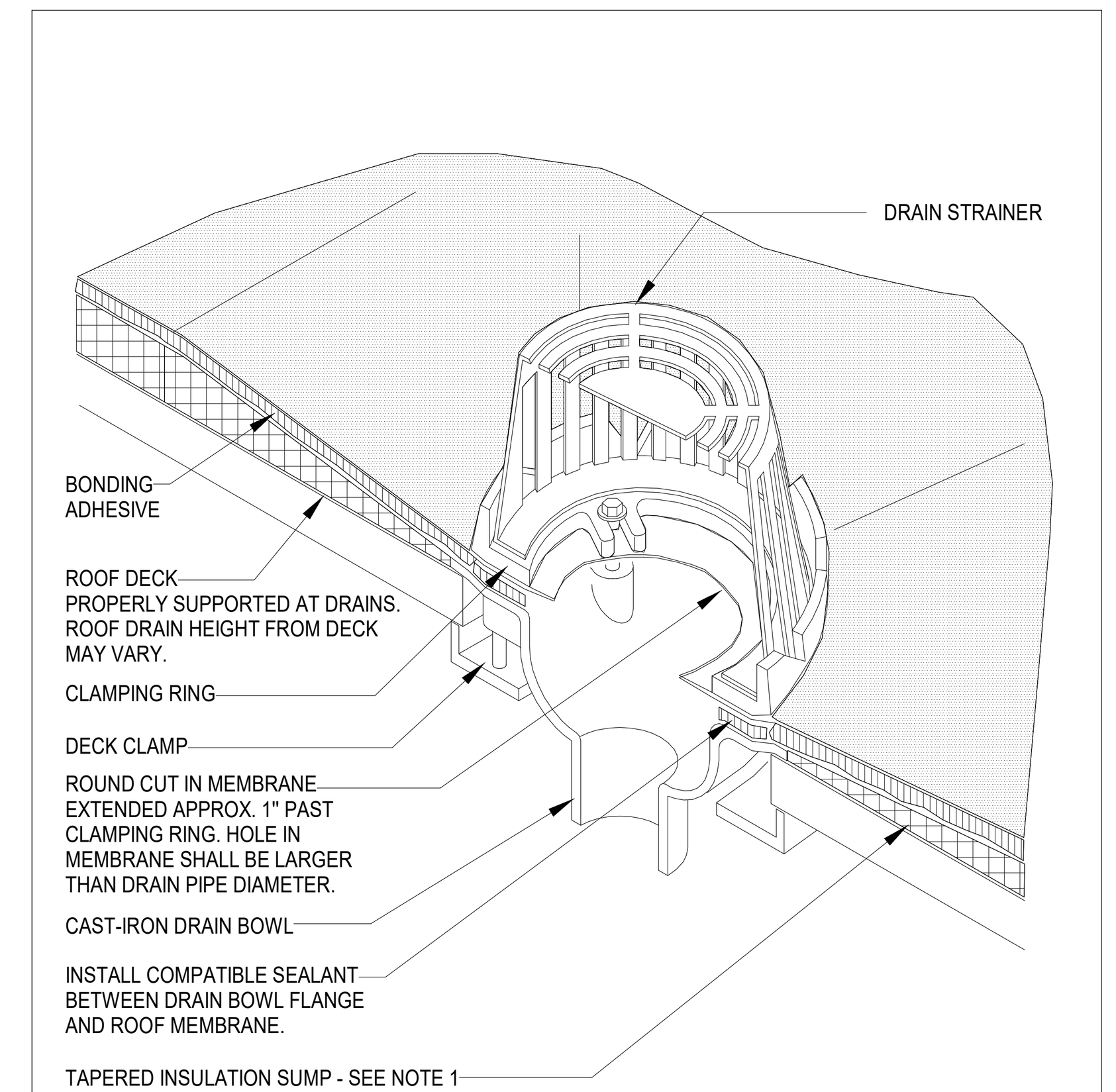
NOTES:
1. DETAIL DEPICTS THE WEATHERPROOFING PROTECTION AND DOES NOT REPRESENT LIGHTNING PROTECTION DESIGN.
2. REFER TO THE INTRODUCTION OF THE CONSTRUCTION DETAILS CHAPTER FOR ADDITIONAL INFORMATION.

2023 — CABLE PENETRATION — NOT DRAWN TO SCALE — TP-24



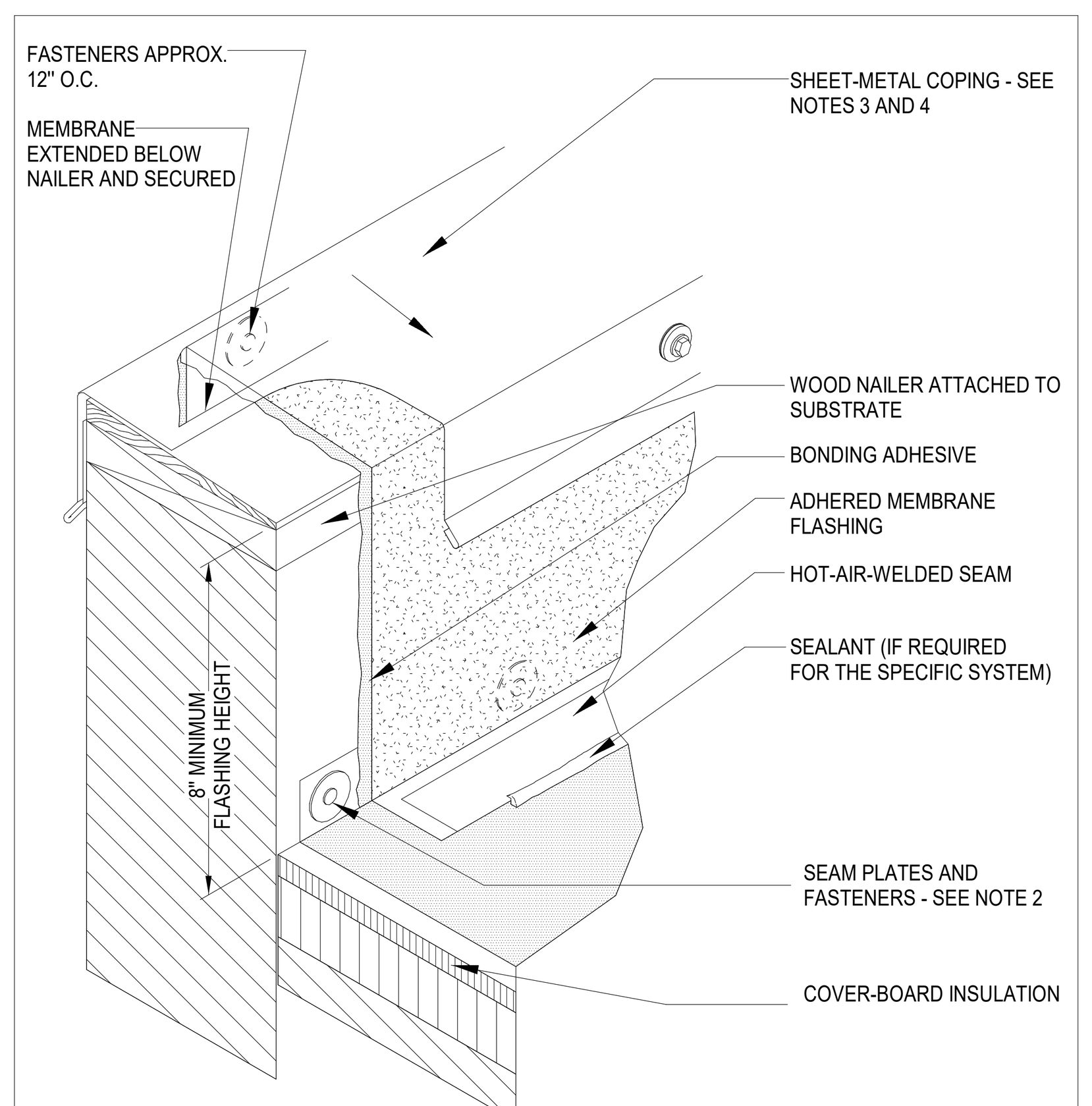
NOTES:
1. DETAIL DEPICTS THE WEATHERPROOFING PROTECTION AND DOES NOT REPRESENT LIGHTNING PROTECTION DESIGN.
2. REFER TO THE INTRODUCTION OF THE CONSTRUCTION DETAILS CHAPTER FOR ADDITIONAL INFORMATION.

2023 — LIGHTNING PROTECTION TERMINAL — NOT DRAWN TO SCALE — TP-25



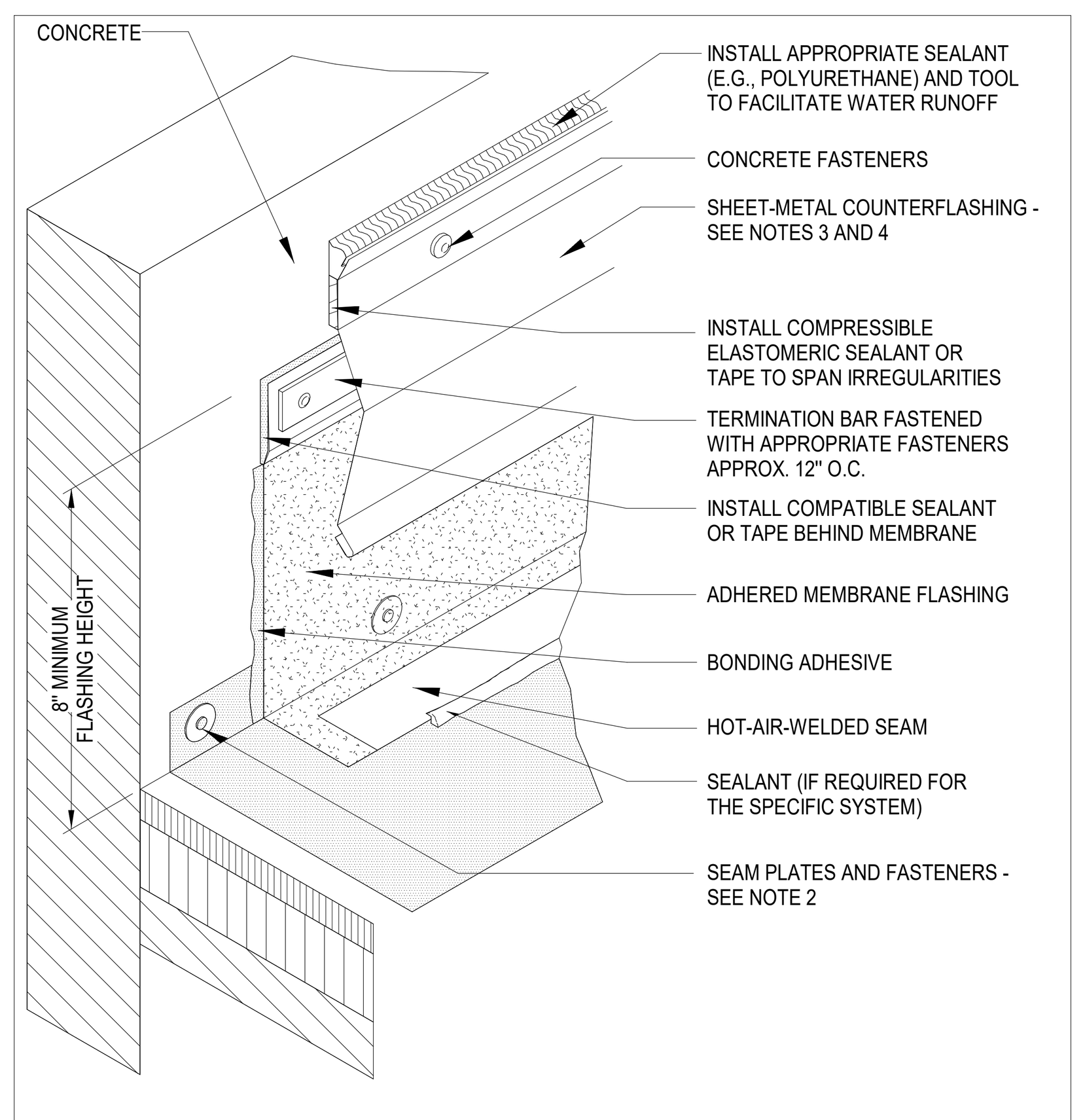
NOTES:
1. THE USE OF A METAL DECK SUMP PAN IS NOT RECOMMENDED. HOWEVER, DRAIN RECEIVER/BEARING PLATES ARE APPLICABLE WITHSOME PROJECTS.
2. THE DESIGNER SHOULD CONSIDER INSULATING THE DRAIN COMPONENTS BELOW THE DECK TO PREVENT POTENTIAL CONDENSATION.
3. MEMBRANE SEAMS SHOULD NOT INTERSECT DRAIN CLAMPING RING. SEAMS THAT FALL WITHIN DRAIN SUMP SHOULD BE STRIPPED IN.
4. REFER TO THE INTRODUCTION OF THE CONSTRUCTION DETAILS CHAPTER FOR ADDITIONAL INFORMATION.

2023 — ROOF DRAIN (ADHERED MEMBRANE ROOF SYSTEMS) — NOT DRAWN TO SCALE — TP-26



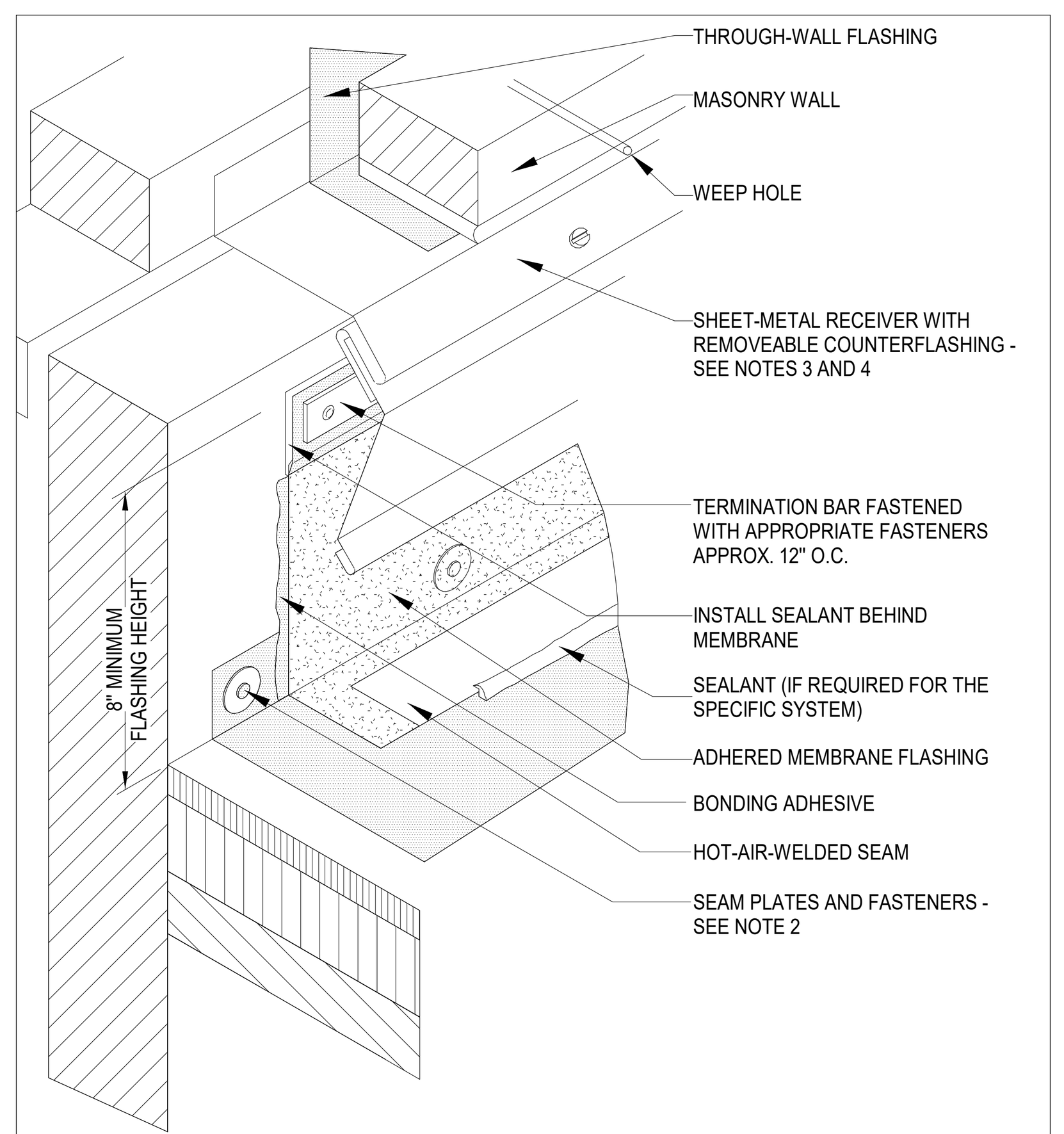
NOTES:
1. THIS DETAIL DOES NOT ALLOW FOR DIFFERENTIAL MOVEMENT BETWEEN THE DECK AND WALL. SEE DETAIL TP-8 FOR EXPANSION JOINT AT A DECK-TO-WALL LOCATION.
2. REFER TO THE INTRODUCTION OF THE CONSTRUCTION DETAILS CHAPTER FOR ALTERNATIVE BASE SECUREMENT OPTIONS.
3. REFER TO THE ARCHITECTURAL METAL FLASHING SECTION OF THE NRCA ROOFING MANUAL: ARCHITECTURAL METAL FLASHING AND CONDENSATION AND AIR LEAKAGE CONTROL FOR DESIGN, JOINERY AND SECUREMENT OPTIONS FOR COPINGS.
4. REFER TO THE INTRODUCTION OF THE CONSTRUCTION DETAILS CHAPTER FOR ADDITIONAL INFORMATION.

2023 — BASE FLASHING AT PARAPET WALL WITH METAL COPING — NOT DRAWN TO SCALE — TP-1



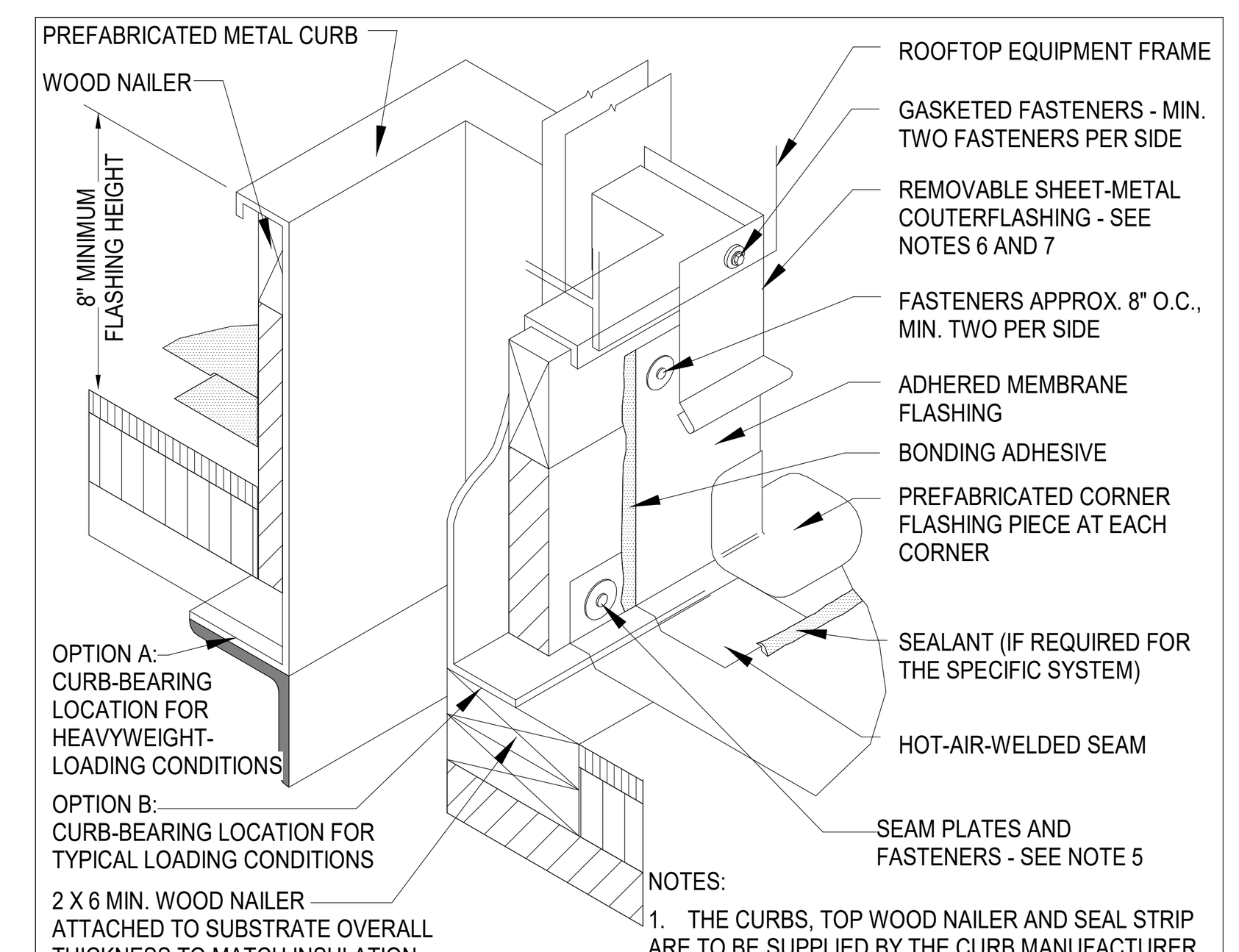
NOTES:
1. THIS DETAIL DOES NOT ALLOW FOR DIFFERENTIAL MOVEMENT BETWEEN THE DECK AND WALL.
2. REFER TO THE INTRODUCTION OF THE CONSTRUCTION DETAILS CHAPTER FOR ALTERNATIVE BASE SECUREMENT OPTIONS.
3. REFER TO THE ARCHITECTURAL METAL FLASHING SECTION OF THE NRCA ROOFING MANUAL: ARCHITECTURAL METAL FLASHING AND CONDENSATION AND AIR LEAKAGE CONTROL FOR DESIGN, JOINERY AND SECUREMENT OPTIONS FOR COUNTERFLASHINGS.
4. REFER TO THE INTRODUCTION OF THE CONSTRUCTION DETAILS CHAPTER FOR ADDITIONAL INFORMATION.

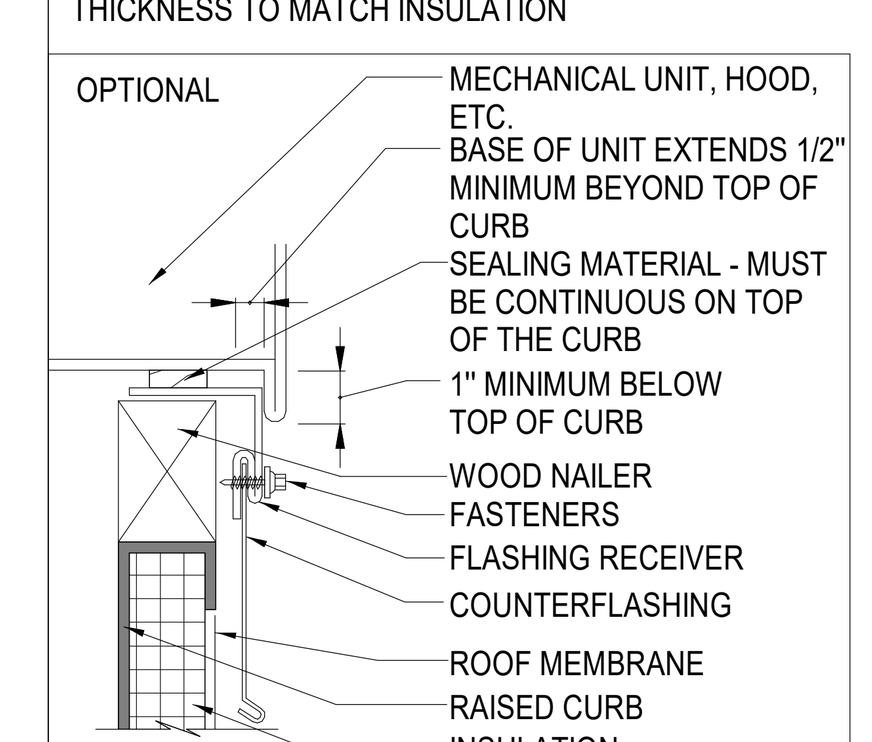
2023 — BASE FLASHING WITH SURFACE-MOUNTED COUNTERFLASHING AT CONCRETE WALL — NOT DRAWN TO SCALE — TP-6



NOTES:
1. THIS DETAIL DOES NOT ALLOW FOR DIFFERENTIAL MOVEMENT BETWEEN THE DECK AND WALL.
2. REFER TO THE INTRODUCTION OF THE CONSTRUCTION DETAILS CHAPTER FOR ALTERNATIVE BASE SECUREMENT OPTIONS.
3. REFER TO THE ARCHITECTURAL METAL FLASHING SECTION OF THE NRCA ROOFING MANUAL: ARCHITECTURAL METAL FLASHING AND CONDENSATION AND AIR LEAKAGE CONTROL FOR DESIGN, JOINERY AND SECUREMENT OPTIONS FOR COUNTERFLASHINGS.
4. REFER TO THE INTRODUCTION OF THE CONSTRUCTION DETAILS CHAPTER FOR ADDITIONAL INFORMATION.

2023 — BASE FLASHING WITH TWO-PIECE SHEET-METAL COUNTERFLASHING — NOT DRAWN TO SCALE — TP-7





NOTES:
1. THE CURBS, TOP WOOD NAILER AND SEAL STRIP ARE TO BE SUPPLIED BY THE CURB MANUFACTURER.
2. WHEN POSSIBLE, THE MECHANICAL UNITS SHOULD NOT BE SET UNTIL THE ROOF MEMBRANE AND FLASHING HAVE BEEN INSTALLED.
3. NRCA RECOMMENDS DESIGNERS CONSIDER PERMANENT INTERNAL OR EXTERNAL FALL-ROTECTION DEVICES AT ALL SKYLIGHTS.
4. REFER TO THE INTRODUCTION OF THE CONSTRUCTION DETAILS CHAPTER FOR ALTERNATIVE BASE SECUREMENT OPTIONS.
5. REFER TO THE ARCHITECTURAL METAL FLASHING SECTION OF THE NRCA ROOFING MANUAL: ARCHITECTURAL METAL FLASHING AND CONDENSATION AND AIR LEAKAGE CONTROL FOR DESIGN, JOINERY AND SECUREMENT OPTIONS FOR COUNTERFLASHINGS.
6. REFER TO THE INTRODUCTION OF THE CONSTRUCTION DETAILS CHAPTER FOR ADDITIONAL INFORMATION.

2023 — BASE FLASHING AT PREFABRICATED METAL CURB — NOT DRAWN TO SCALE — TP-13

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. — REGISTERED ARCHITECTURAL CORPORATION — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED ARCHITECT — SEAL 17168 — LISA MARIE CONNELL — 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

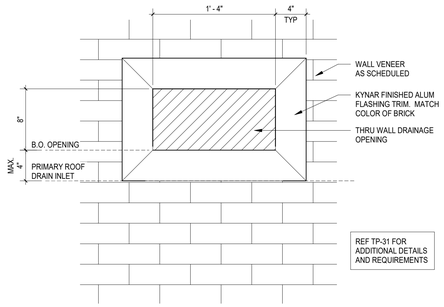
ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: DK

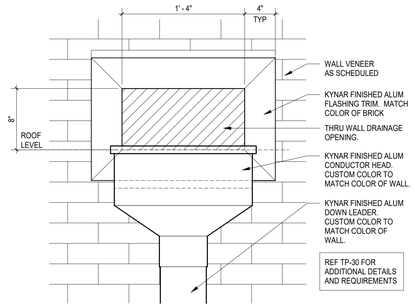
SHEET TITLE:
ROOF DETAILS

SHEET NO.: A610
PROJ. NO.: 024370.01



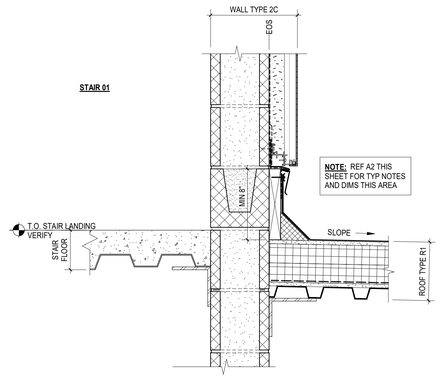
D3 A611 **OVERFLOW SCUPPER DETAIL** REF: "OSC" ON SHEET A150

1 1/2" = 1'-0"



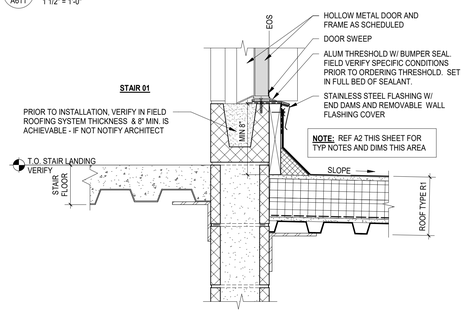
D2 A611 **PRIMARY DRAIN SCUPPER DETAIL** REF: "DS" ON SHEET A150

1 1/2" = 1'-0"



D1 A611 **BO WALL DETAIL - STAIR ROOF**

1 1/2" = 1'-0"



C2 A611 **EXT DOOR SILL - STAIR ROOF**

1 1/2" = 1'-0"

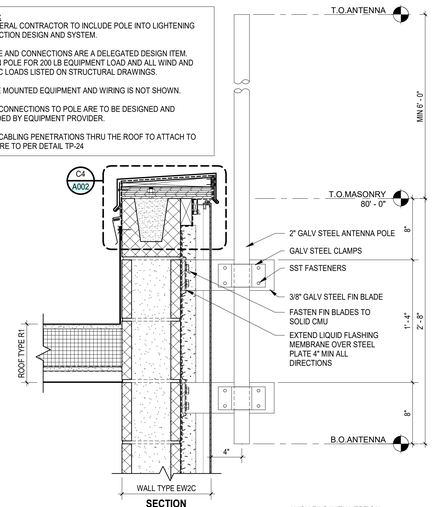
NOTES:
1. GENERAL CONTRACTOR TO INCLUDE POLE INTO LIGHTENING PROTECTION DESIGN AND SYSTEM.

2. POLE AND CONNECTIONS ARE A DELEGATED DESIGN ITEM. DESIGN POLE FOR 200 LB EQUIPMENT LOAD AND ALL WIND AND SEISMIC LOADS LISTED ON STRUCTURAL DRAWINGS.

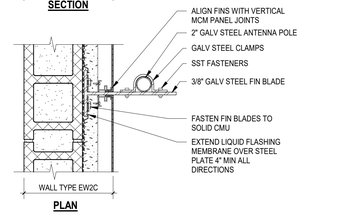
3. POLE MOUNTED EQUIPMENT AND WIRING IS NOT SHOWN.

4. ALL CONNECTIONS TO POLE ARE TO BE DESIGNED AND PROVIDED BY EQUIPMENT PROVIDER.

5. ALL CABLING PENETRATIONS THRU THE ROOF TO ATTACH TO POLE ARE TO PER DETAIL TP-24



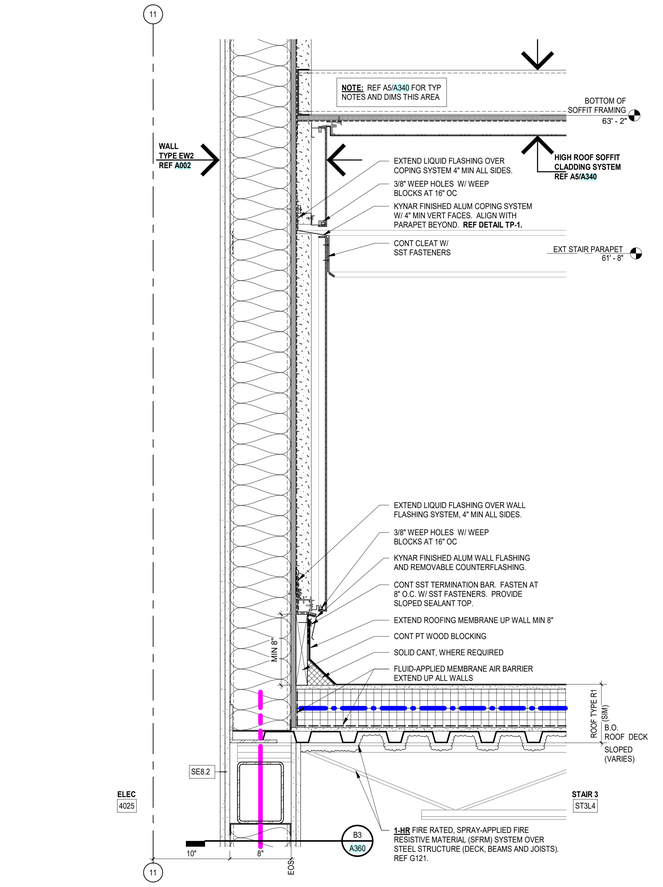
SECTION



PLAN

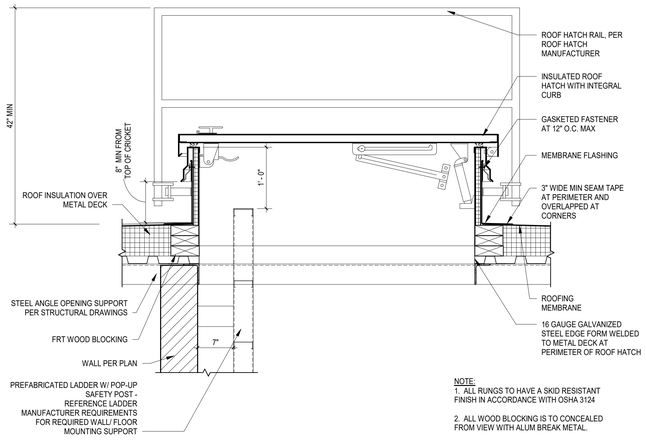
C1 A611 **ANTENNA POLE DETAILS** REF: "ANT-X" ON SHEET A150

1 1/2" = 1'-0"



A2 A611 **SECTION DETAIL - STAIR 2 & 3**

1 1/2" = 1'-0"



NOTE:
1. ALL RUNGS TO HAVE A SKID RESISTANT FINISH IN ACCORDANCE WITH OSHA 3124

2. ALL WOOD BLOCKING IS TO CONCEALED FROM VIEW WITH ALUM BREAK METAL.

B1 A611 **ROOF HATCH DETAIL**

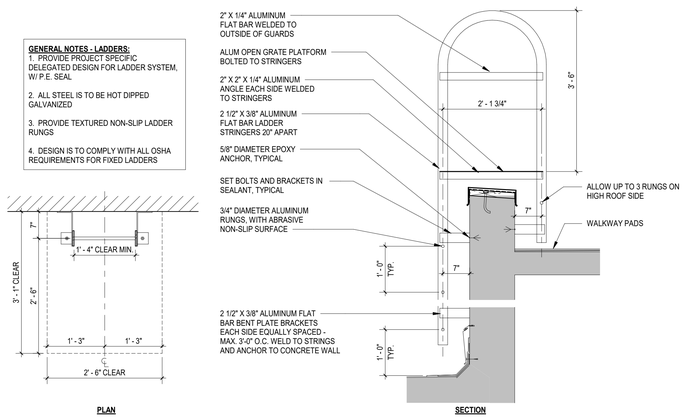
1" = 1'-0"

GENERAL NOTES - LADDERS:
1. PROVIDE PROJECT SPECIFIC DELEGATED DESIGN FOR LADDER SYSTEM, W/ P.E. SEAL

2. ALL STEEL IS TO BE HOT DIPPED GALVANIZED

3. PROVIDE TEXTURED NON-SLIP LADDER RUNGS

4. DESIGN IS TO COMPLY WITH ALL OSHA REQUIREMENTS FOR FIXED LADDERS



PLAN **SECTION**

A1 A611 **ROOF LADDER DETAILS** REF: "LADDER" ON SHEET A150

3/4" = 1'-0"

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE INSTRUMENTS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED ON ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

X:\2025\1.2 DAA\4 PM\ Autodesk Docs://2025.1.2 DAA 4 PM_Autodesk Docs_Central.rvt 2/6/2026 3:24:04 PM Autodesk Docs://2025.1.2 DAA 4 PM_Autodesk Docs_Central.rvt Printed: 2026-02-06

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERTIFIED MINORITY BUSINESS ENTERPRISE CORPORATION CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17165 ANNE MARIE CONNOLLY 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE:	02/06/2026
PHASE:	PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE:	M. SHEWARD
PROJECT ARCHITECT:	L. HOWELL
DRAWN BY:	Author

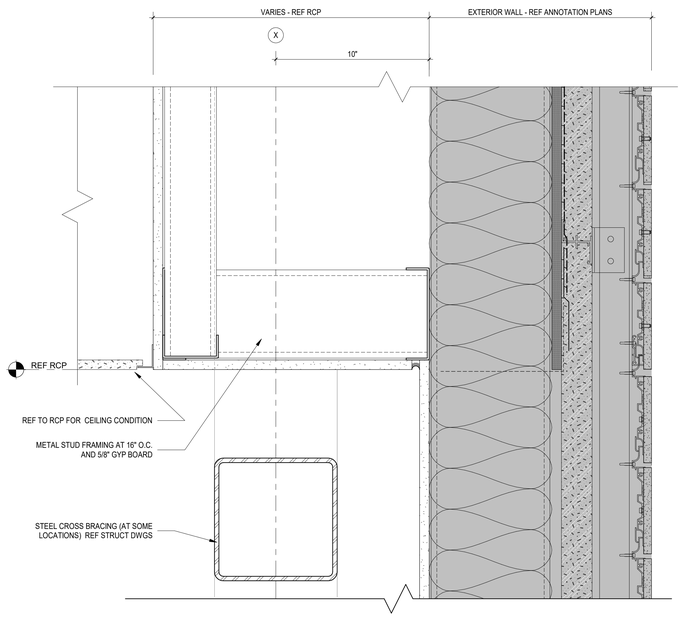
SHEET TITLE:

ROOF DETAILS

SHEET NO.	PROJ. NO.
	024370.01

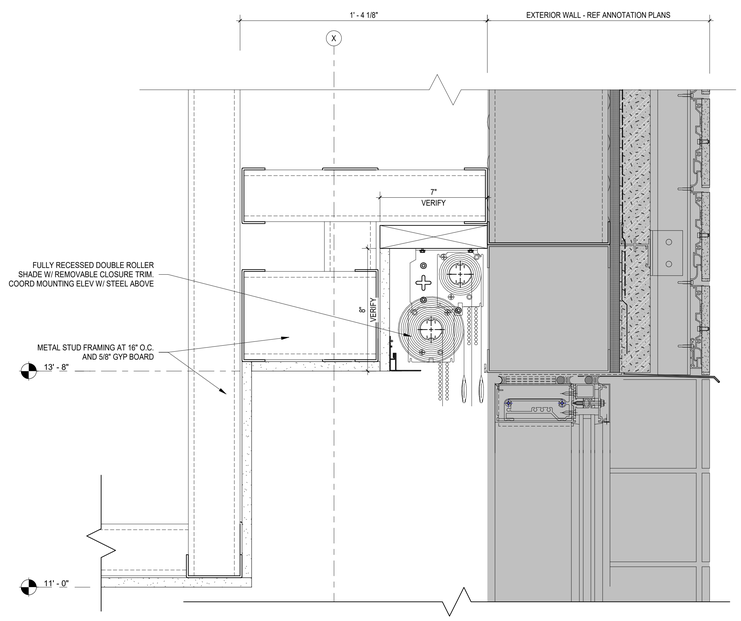
A611

4/2/2026 12:20:39 PM - Andrew.Dow:\REVITFILES\ Brunswick County Health & Human Services\BCHS_Brunswick County Health & Human Services_R25_v1
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON MY PERSPECT TO THIS PROJECT AND NOT TO BE USED WITH ANOTHER PROJECT, WITH THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH.
ALL RIGHTS RESERVED



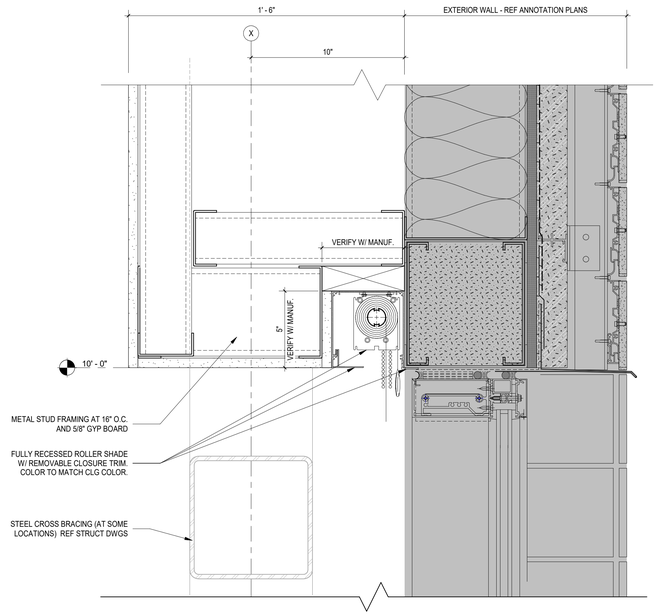
C2 / A612 **SOFFIT DETAIL @ EXTERIOR WALL**

3" = 1'-0"



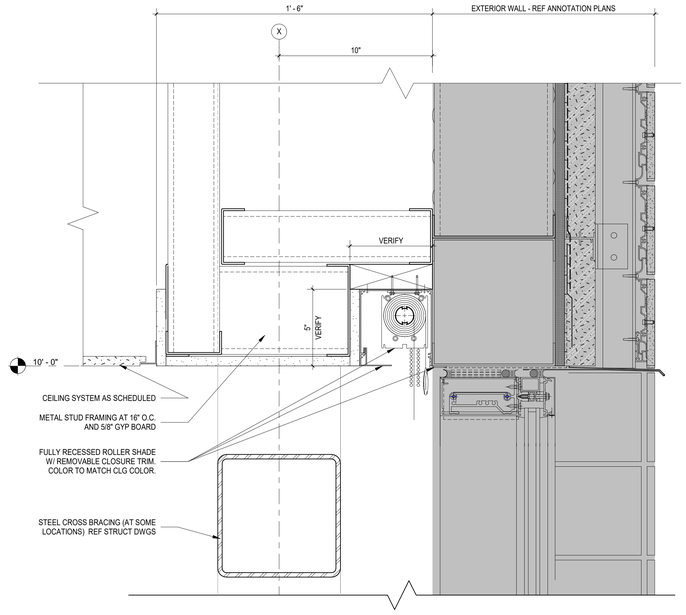
C1 / A612 **SHADE POCKET DETAIL @ LARGE MEETING ROOM**

3" = 1'-0"



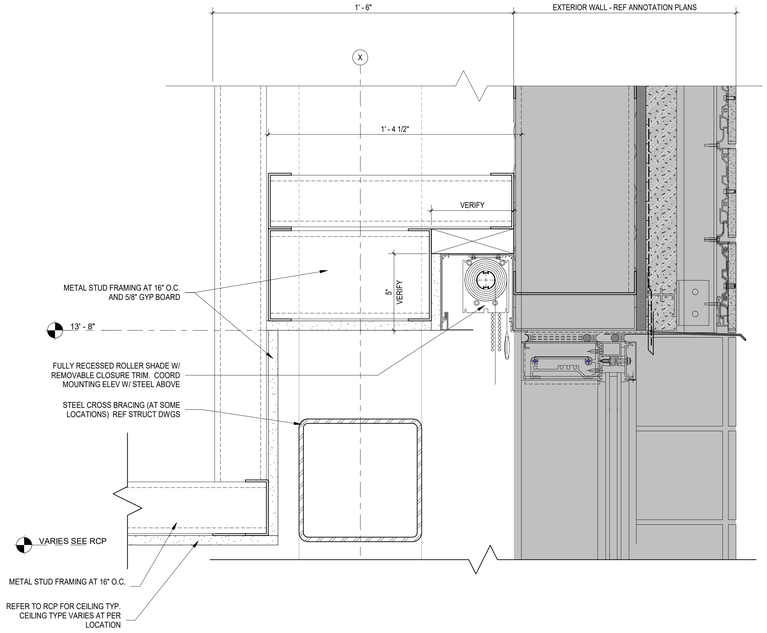
A3 / A612 **SHADE POCKET DETAIL @ OPEN CEILING**

3" = 1'-0"



A2 / A612 **SHADE POCKET DETAIL @ ACT CEILING**

3" = 1'-0"



A1 / A612 **SHADE POCKET DETAIL @ OFFSET ACT CEILING**

3" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURE CORPORATION CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 37165 LAUREN MARIE CONNELLY 02/05/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

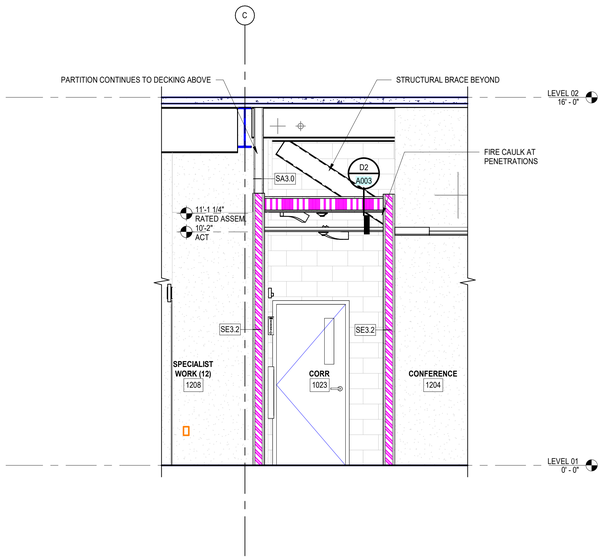
PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:

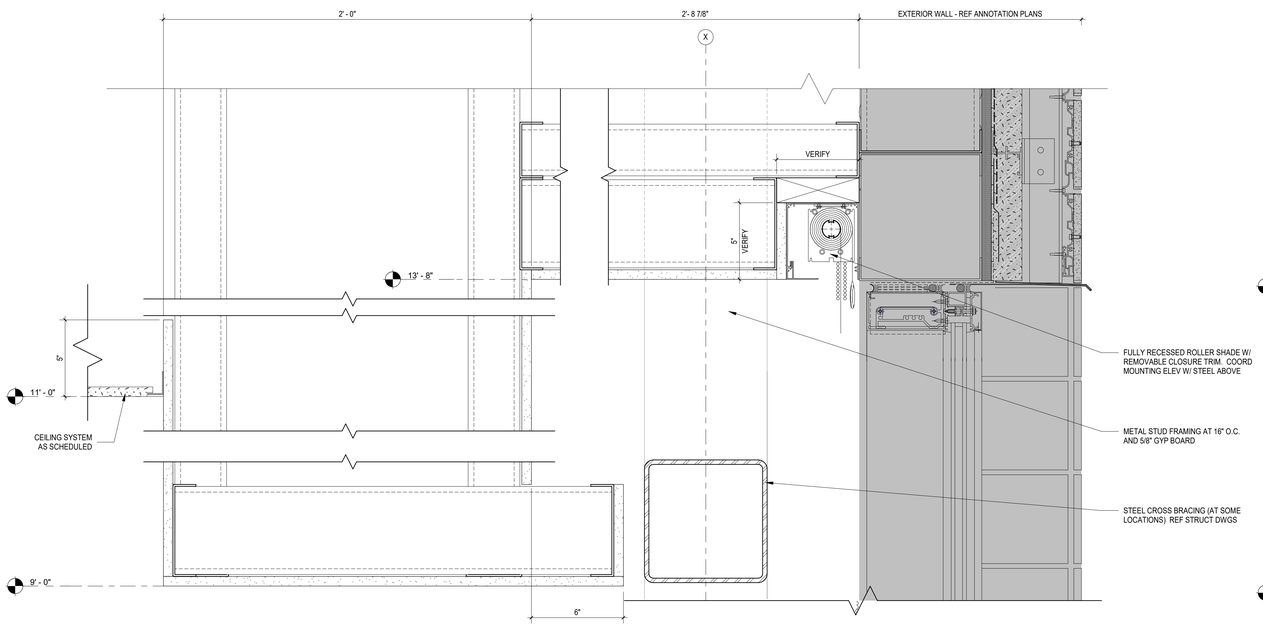
CEILING DETAILS

SHEET NO. A612

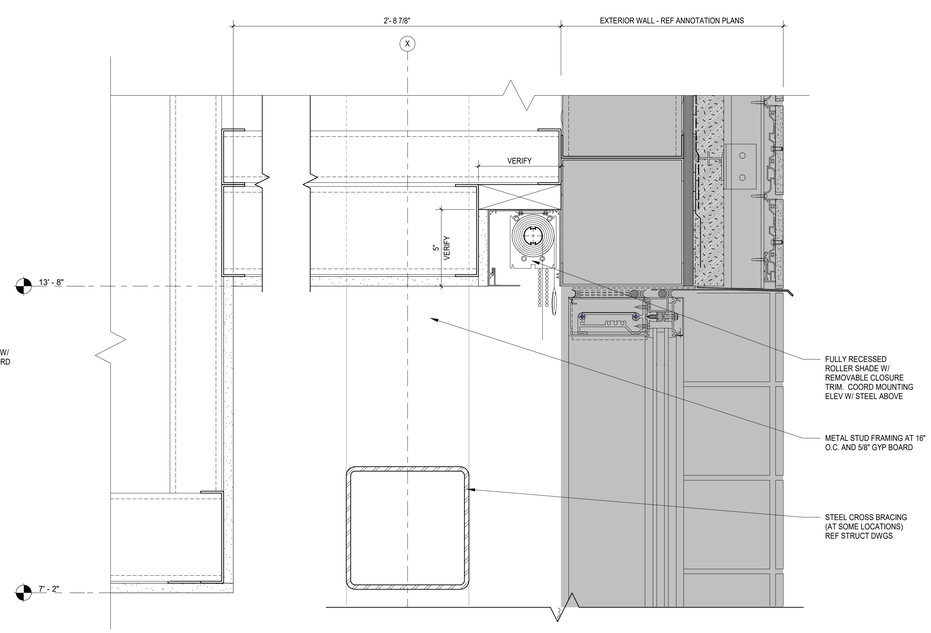
PROJ. NO. 024370.01



C1 A613 **SECTION AT 2 HR RATED HORIZONTAL EXIT- CORR 1023**
3/8" = 1'-0"



A2 A613 **SOFFIT DETAIL @ DINING ROOM**
3" = 1'-0"



A1 A613 **SOFFIT DETAIL @ DINING SERVERY**
3" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 54314 NORTH CAROLINA CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17168 LAURA MARIE CONNELLY 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

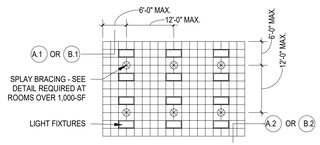
ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:

NO.	DATE	DESCRIPTION

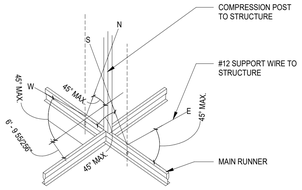
PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
CEILING DETAIL

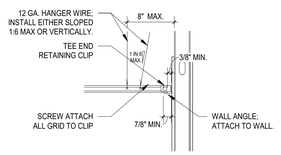
SHEET NO. A613
PROJ. NO. 024370.01



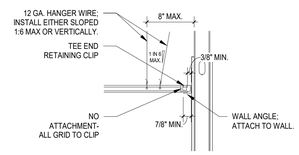
TYPICAL GRID PERIMETER DETAIL LOCATIONS



SPLAY BRACING DETAIL (REQUIRED @ ROOMS OVER 1,000-SF)

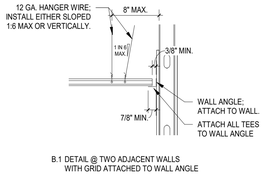


A.1 DETAIL @ TWO ADJACENT WALLS WITH GRID ATTACHED TO WALL ANGLE

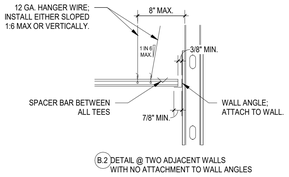


A.2 DETAIL @ TWO ADJACENT WALLS WITH NO ATTACHMENT TO WALL ANGLES

OR



B.1 DETAIL @ TWO ADJACENT WALLS WITH GRID ATTACHED TO WALL ANGLE



B.2 DETAIL @ TWO ADJACENT WALLS WITH NO ATTACHMENT TO WALL ANGLES

D2 / A614 DETAILS FOR ACOUSTIC CEILINGS

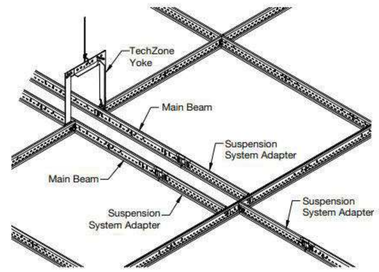
3/64" = 1'-0"

LINEAR LIGHTING INTEGRATION
Suspension System Layout & Installation Instructions

INSTALLATION OVERVIEW

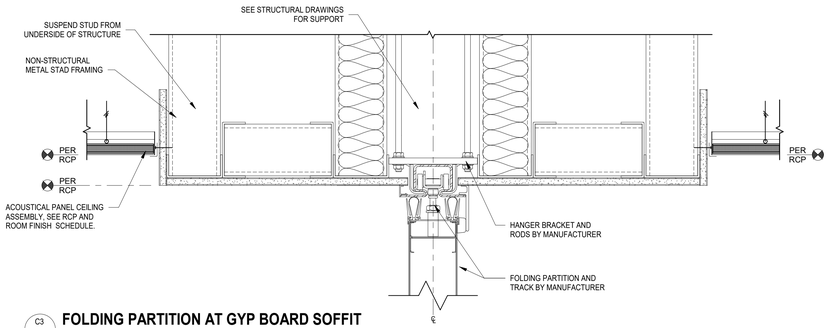
The following installation instructions and drawings provide general guidance on the layout and construction of "On-center" Continuous Linear Lighting for long or short runs of linear lights using:

- 9/16" face Silhouette® 1/4", Silhouette 1/8", Interlude XL® HRC, and Suprafine® suspension systems
- Standard and non-standard Optima®, Ultima®, and Calla™ ceiling panels with a Tegular edge detail



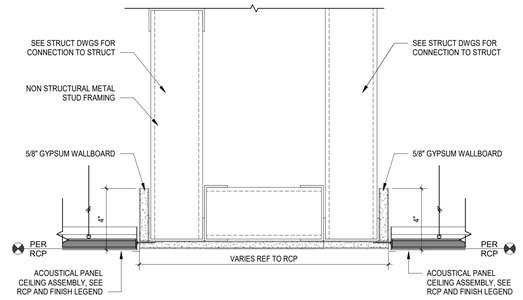
D1 / A614 LINEAR LIGHTING GRID INFO

12" = 1'-0"



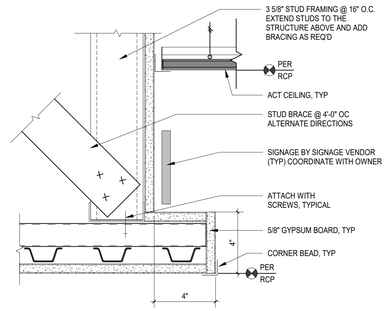
C3 / A614 FOLDING PARTITION AT GYP BOARD SOFFIT

3" = 1'-0"



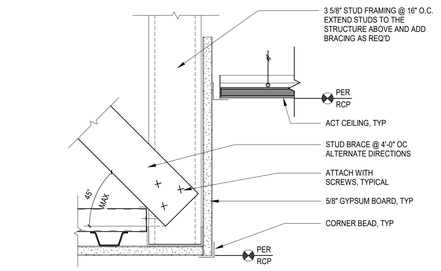
C2 / A614 ACT/GWB SOFFIT/ ACT CEILING FLUSH

3" = 1'-0"



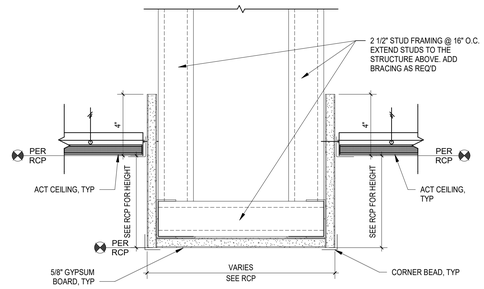
C1 / A614 SIGNAGE SOFFIT

3" = 1'-0"



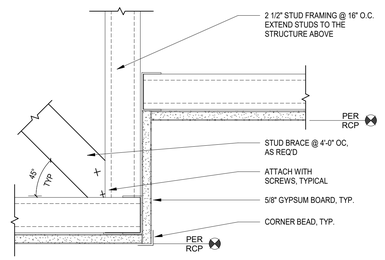
A4 / A614 GYP TO ACT DETAIL

3" = 1'-0"



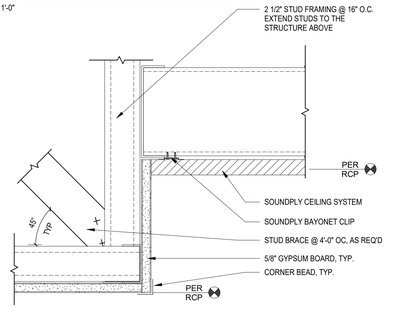
A3 / A614 ACT PANEL CLG AT SOFFIT

3" = 1'-0"



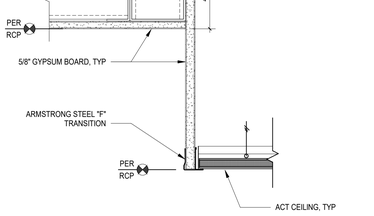
A2 / A614 GYP BD SOFFIT/ GYP BD CEILING - STUD FRAMING

3" = 1'-0"



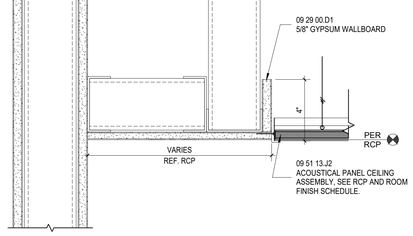
A1 / A614 GYP BD SOFFIT/ SOUNDPLY CEILING - STUD FRAMING

3" = 1'-0"



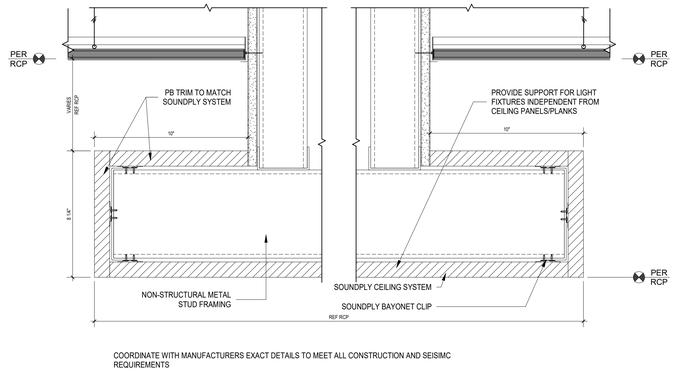
B4 / A614 GYP TO ACT CEILING

3" = 1'-0"



B3 / A614 GWB SOFFIT/ ACT CEILING FLUSH

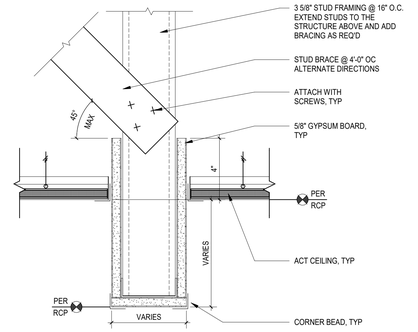
3" = 1'-0"



COORDINATE WITH MANUFACTURERS EXACT DETAILS TO MEET ALL CONSTRUCTION AND SEISIMC REQUIREMENTS

B2 / A614 SOUNDPLY DROP DOWN CEILING DETAIL

3" = 1'-0"



B1 / A614 TYPICAL BULKHEAD

3" = 1'-0"

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT WITH THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SURRENDERED ON DEMAND OF MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE
EDIFICE CONSTRUCTION
MPS ARCHITECTS, PC CERTIFICATE OF AUTHORIZATION NO. C-2014 CERT. NO. 54314 CHARLOTTE, NORTH CARLINA
NORTH CAROLINA REGISTERED SEAL 37165 ANN MARIE CONNELLY 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

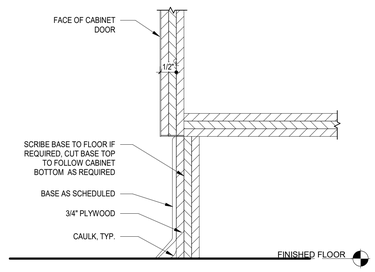
SHEET TITLE:
CEILING DETAILS

SHEET NO. A614
PROJ. NO. 024370.01

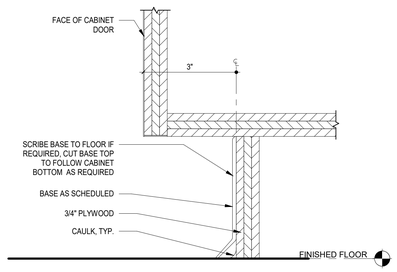
Autodesk Docs://2025.01 BRUNSWICK COUNTY HEALTH & HUMAN SERVICES_Shelved/BCHHS_Shelved County Health and Human Services_2025.rvt
ALL DRAWINGS, SPECIFICATIONS AND CONCEPTS THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY IN THE EXECUTION OF THIS CONTRACT BETWEEN THE PARTIES TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED ON SUPPLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH ARCHITECTURE
ALL RIGHTS RESERVED

5 4 3 2 1

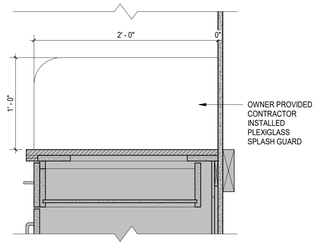
D C B A



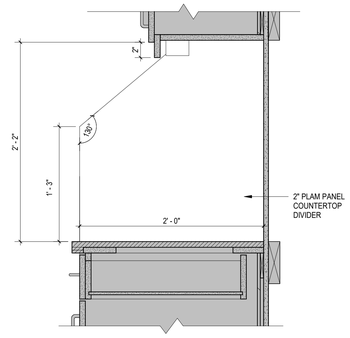
D4 A620 — **MILLWORK SECTION-TOEKICK 1/2" DEPTH**
6" = 1'-0"



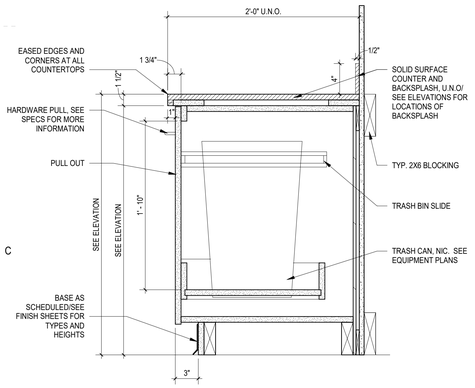
D3 A620 — **MILLWORK SECTION-TOEKICK 3" DEPTH**
6" = 1'-0"



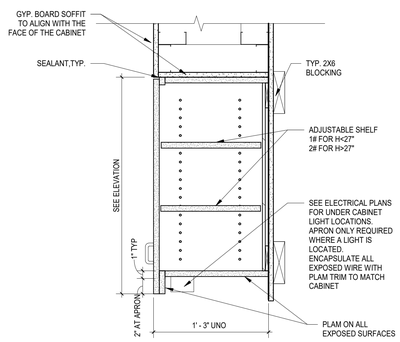
D2 A620 — **SPLASH GUARD SIDE VIEW**
1 1/2" = 1'-0"



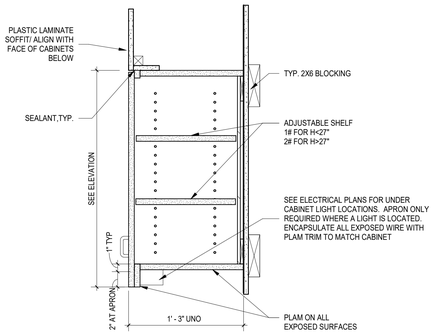
D1 A620 — **PLAM COUNTERTOP DIVIDER**
1 1/2" = 1'-0"



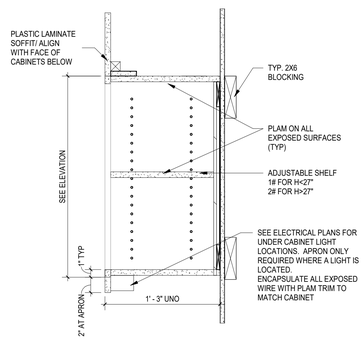
C4 A620 — **101T - PULL OUT TRASH**
1 1/2" = 1'-0"



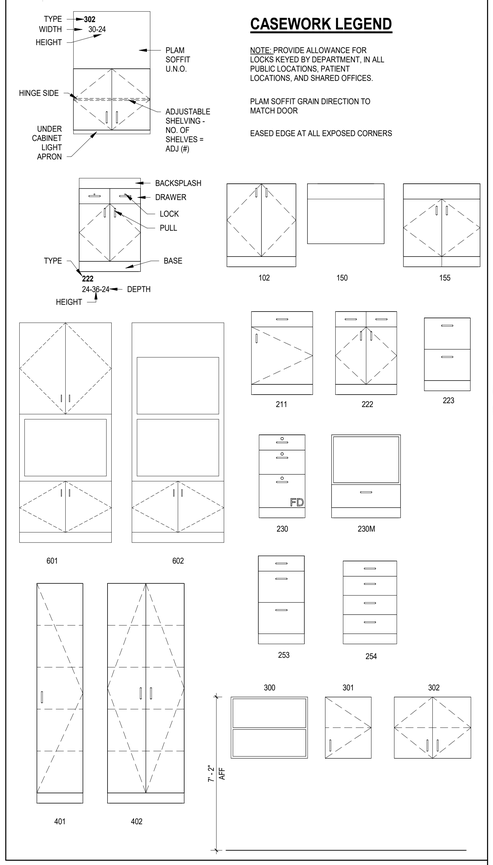
C3 A620 — **301 & 302 - UPPER CABINET WITH GYP SOFFIT**
1 1/2" = 1'-0"



C2 A620 — **301P & 302P - UPPER CABINET WITH PLAM SOFFIT**
1 1/2" = 1'-0"



C1 A620 — **300P - OPEN UPPER CABINET WITH ADJUSTABLE SHELF(S)**
1 1/2" = 1'-0"

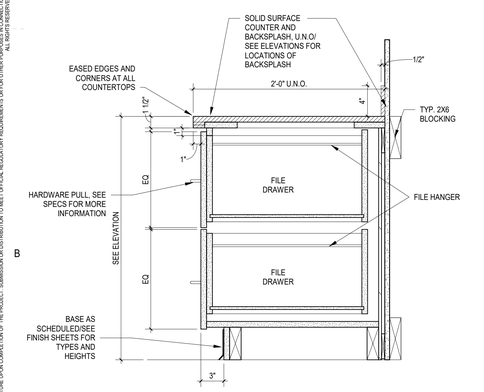


CASEWORK LEGEND

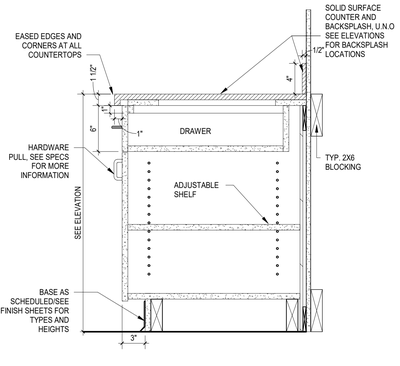
NOTE: PROVIDE ALLOWANCE FOR LOCKS KEYED BY DEPARTMENT, IN ALL PUBLIC LOCATIONS, PATIENT LOCATIONS, AND SHARED OFFICES.

PLAM SOFFIT GRAIN DIRECTION TO MATCH DOOR

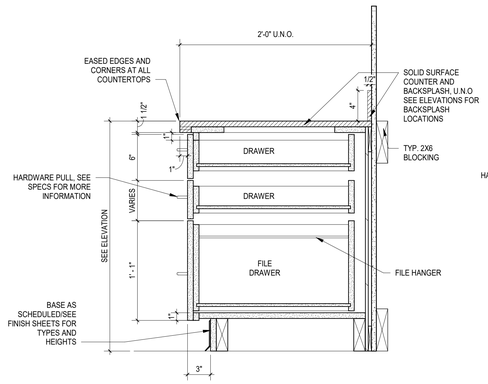
EASED EDGE AT ALL EXPOSED CORNERS



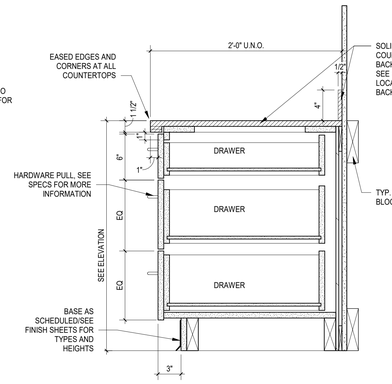
B5 A620 — **223 - BASE CABINET WITH 2 FILE DRAWERS**
1 1/2" = 1'-0"



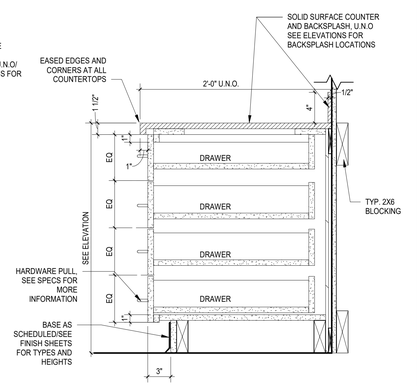
B4 A620 — **211 & 212 - BASE CABINET WITH DOOR AND DRAWER**
1 1/2" = 1'-0"



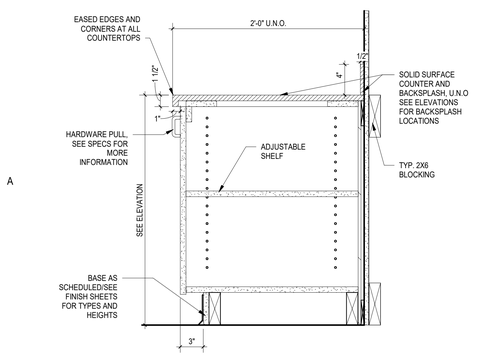
B3 A620 — **230 - BASE CABINET W/FILE DRAWER & 2 DRAWERS**
1 1/2" = 1'-0"



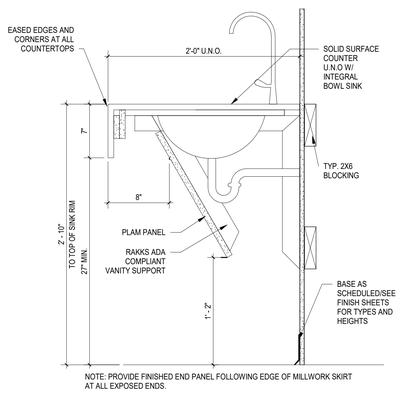
B2 A620 — **253 - BASE CABINET WITH 3 DRAWERS**
1 1/2" = 1'-0"



B1 A620 — **254 - BASE CABINET WITH 4 EQUAL DRAWERS**
1 1/2" = 1'-0"

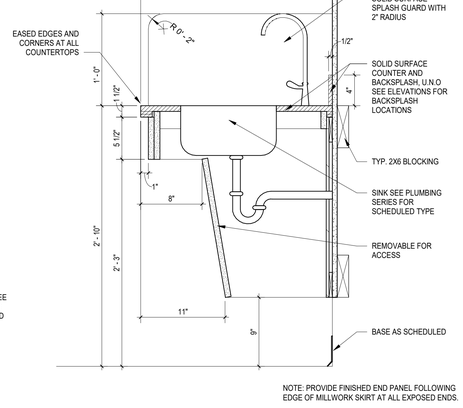


A5 A620 — **101 & 102 - BASE CABINET W/DOORS ONLY**
1 1/2" = 1'-0"



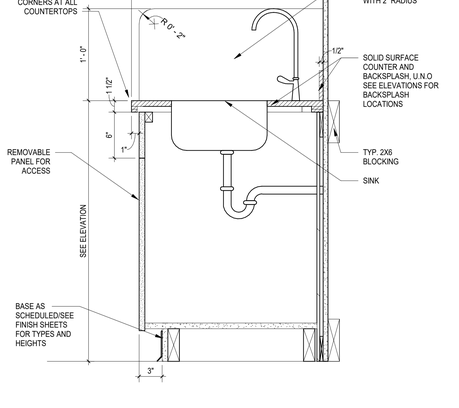
NOTE: PROVIDE FINISHED END PANEL FOLLOWING EDGE OF MILLWORK SKIRT AT ALL EXPOSED ENDS.

A4 A620 — **ADA SINK IN MULTI FIXTURE TLT ROOMS**
1 1/2" = 1'-0"

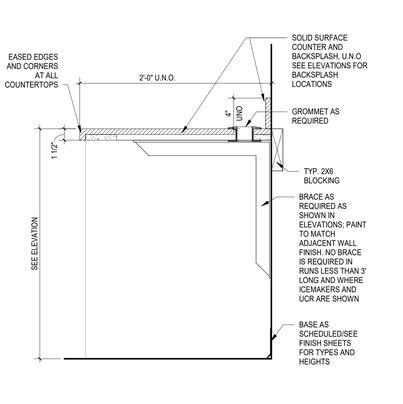


NOTE: PROVIDE FINISHED END PANEL FOLLOWING EDGE OF MILLWORK SKIRT AT ALL EXPOSED ENDS.

A3 A620 — **150 - TYPICAL ADA SINK**
1 1/2" = 1'-0"



A2 A620 — **155 -SINK W/FIXED PANEL**
1 1/2" = 1'-0"



A1 A620 — **MILLWORK SECTION-COUNTER W/ KNEE SPACE**
1 1/2" = 1'-0"

5 4 3 2 1

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, PC — CERT. NO. 54314 — REGISTERED ARCHITECTURE CORPORATION — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED — SEAL 17168 — MARIE CONNOLLY — 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

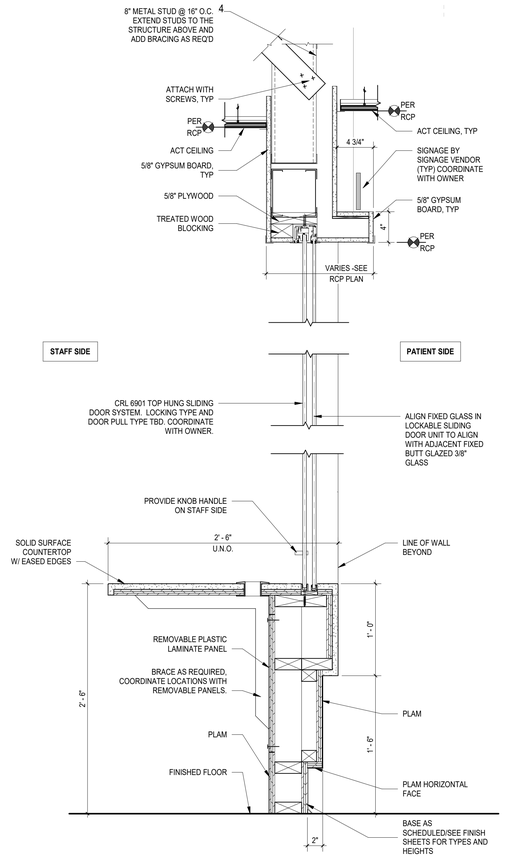
SHEET TITLE:

CASEWORK / MILLWORK

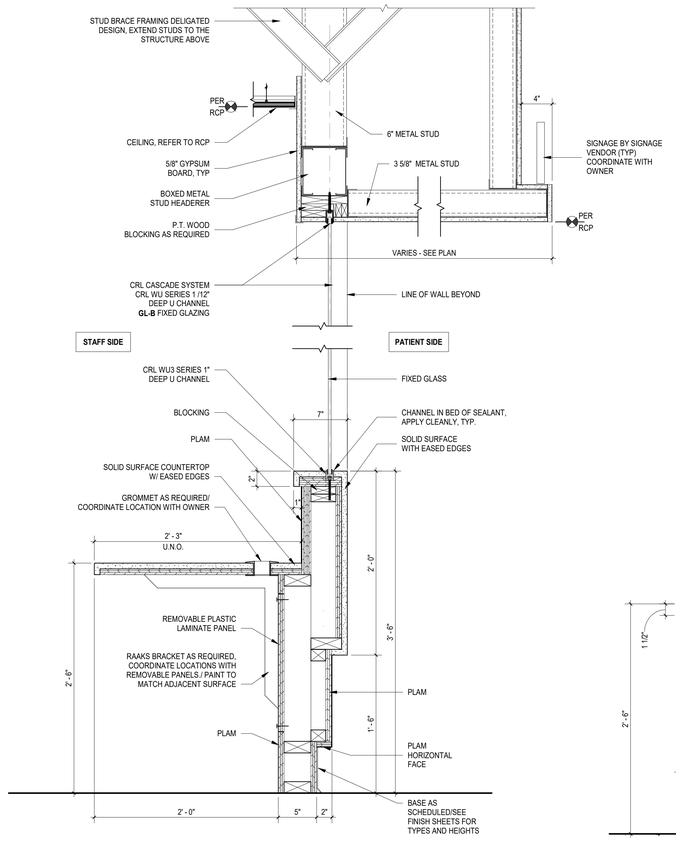
SHEET NO. A620

PROJ. NO. 024370.01

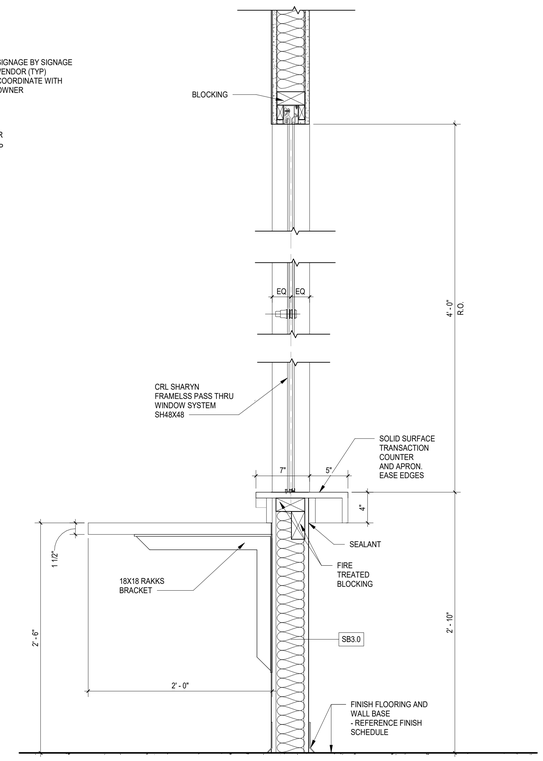
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON THE PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF SIGNED CONTRACTS BETWEEN THE PARTIES TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR STORED UNCOVERED OR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED



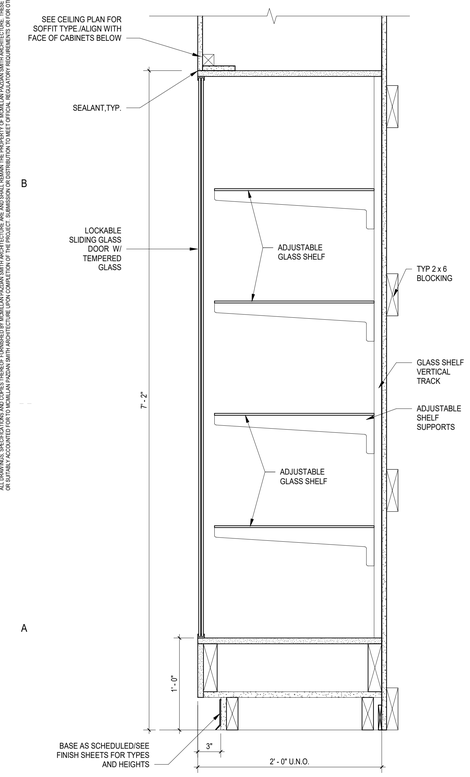
C3 / A621 **MILLWORK SECTION ADA COUNTER W SLIDING WINDOW**
1 1/2" = 1'-0"



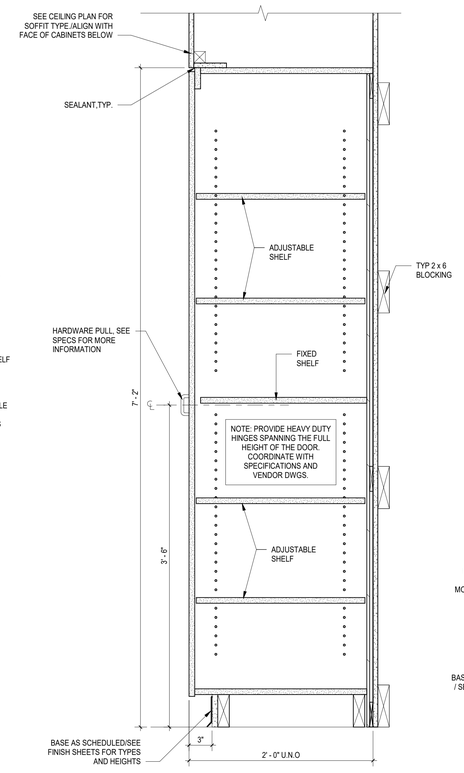
C2 / A621 **MILLWORK SECTION @ TRANSACTION COUNTER W FIXED GLASS**
1 1/2" = 1'-0"



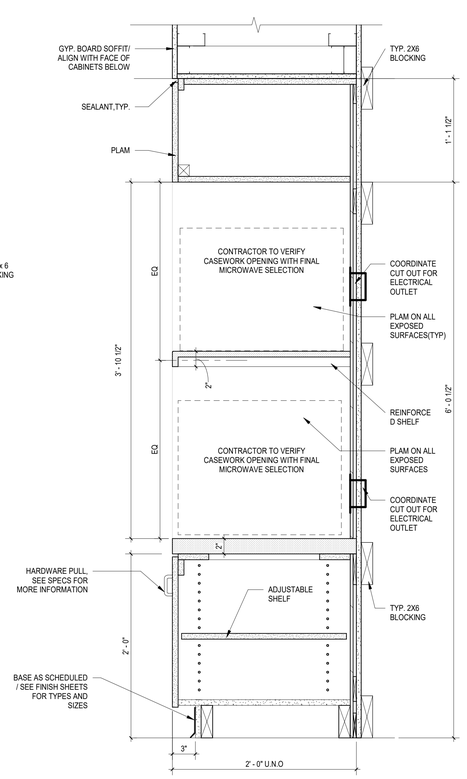
C1 / A621 **SECTION AT SINGLE PASS THROUGH**
1 1/2" = 1'-0"



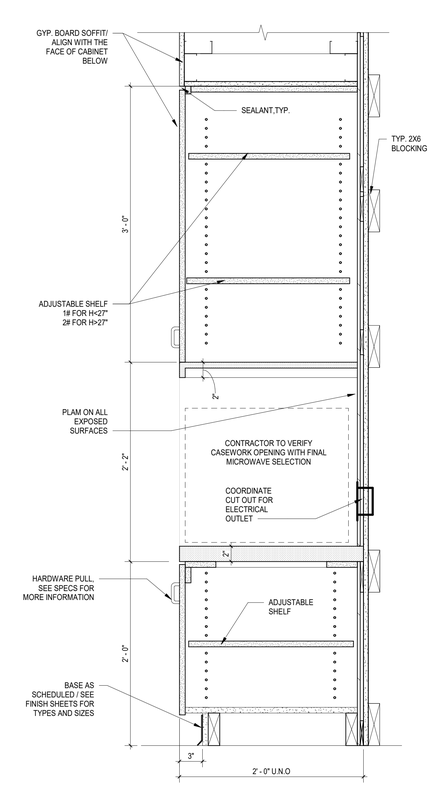
A5 / A621 **FULL HEIGHT SHOWCASE W/ GLASS DOORS**
1 1/2" = 1'-0"



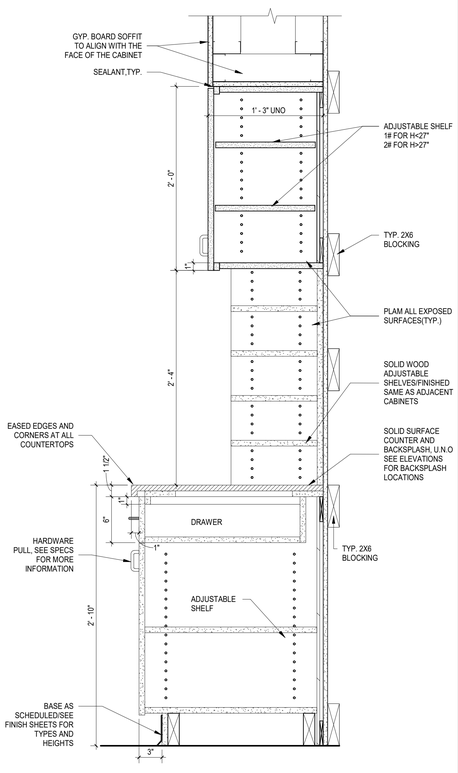
A4 / A621 **401 & 402/402P - FULL HEIGHT CABINET W/ 1 OR 2 DOORS**
1 1/2" = 1'-0"



A3 / A621 **602 -MICROWAVE WALL CABINET FOR 2**
1 1/2" = 1'-0"



A2 / A621 **601 -MICROWAVE WALL CABINET FOR 1**
1 1/2" = 1'-0"



A1 / A621 **MILLWORK SECTION - MAILBOX WALL CABINET**
1 1/2" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, PC REGISTERED ARCHITECTURE CORPORATION CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17168 MARIE COMMERCON 02/09/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE:	02/06/2026
PHASE:	PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE:	M. SHEWARD
PROJECT ARCHITECT:	L. HOWELL
DRAWN BY:	Author

SHEET TITLE:

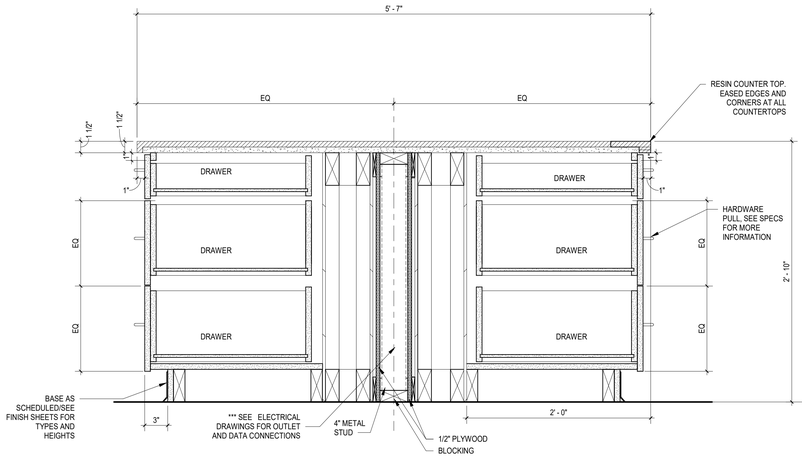
CASEWORK / MILLWORK

SHEET NO.	PROJ. NO.
	024370.01

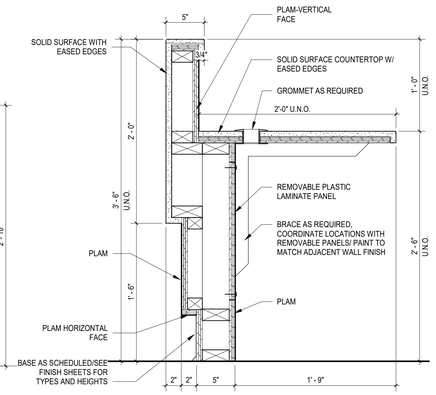
A621

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY IN RESPECT TO THIS PROJECT AND NOT TO BE USED FOR ANY OTHER PROJECT. WITH THE EXCEPTION OF SIGNING CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ESTATE RECORDED FOR MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

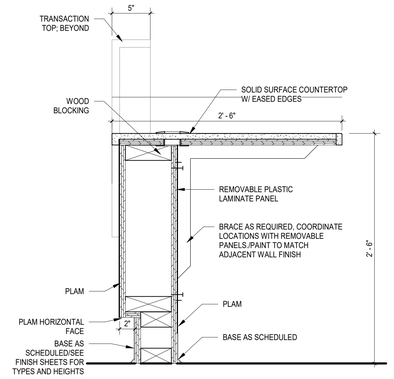
4/2/2026 1:27:26 PM Andrew Dow \\Client Environment\PD - Brunswick County Health and Human Services (BCHHS)\...



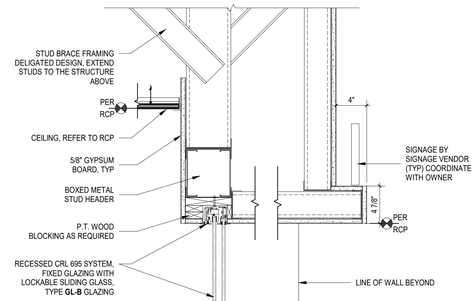
C3 / A622 **SECTION AT LAB ISLAND -WORK SPACE**
1 1/2" = 1'-0"

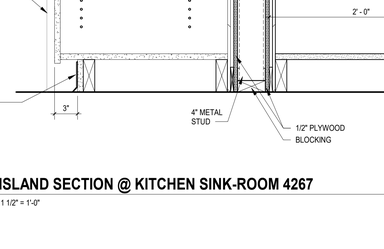


C2 / A622 **GREETER HIGH COUNTER**
1 1/2" = 1'-0"

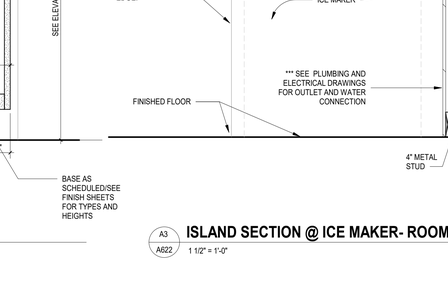


C1 / A622 **GREETER LOW COUNTER-ADA APPROACH**
1 1/2" = 1'-0"

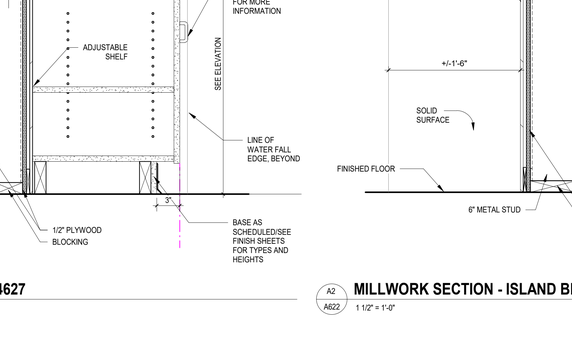




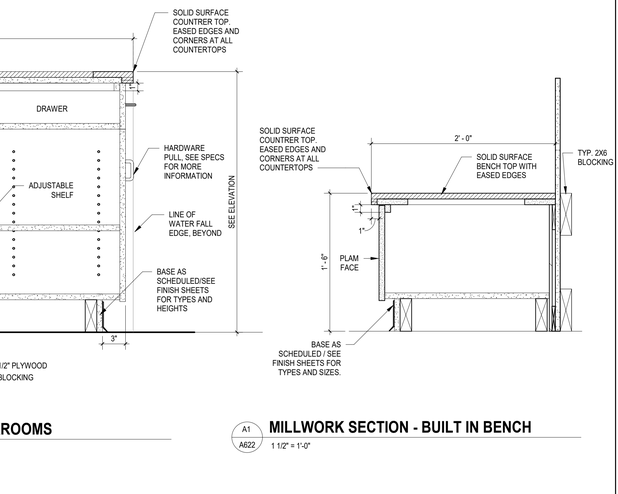
B4 / A622 **SECTION AT LAB ISLAND SINK**
1 1/2" = 1'-0"



B3 / A622 **CHECK IN - CK OUT 1401**
1 1/2" = 1'-0"



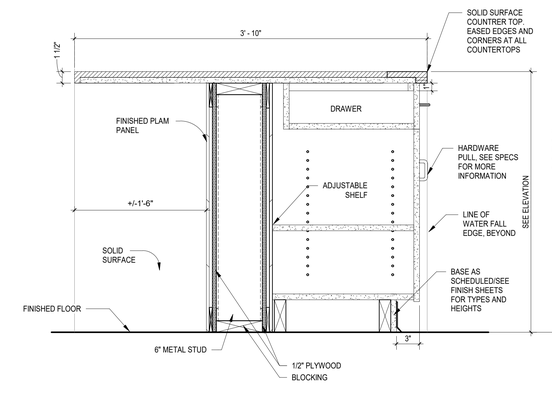
B2 / A622 **MILLWORK SECTION @ TRANSACTION ADA COUNTER AT EH SPECIALIST**
1 1/2" = 1'-0"



B1 / A622 **MILLWORK SECTION @ TRANSACTION COUNTER AT EH SPECIALIST**
1 1/2" = 1'-0"

A4 / A622 **ISLAND SECTION @ KITCHEN SINK-ROOM 4267**
1 1/2" = 1'-0"

A3 / A622 **ISLAND SECTION @ ICE MAKER- ROOM 4627**
1 1/2" = 1'-0"



A2 / A622 **MILLWORK SECTION - ISLAND BREAKROOMS**
1 1/2" = 1'-0"

A1 / A622 **MILLWORK SECTION - BUILT IN BENCH**
1 1/2" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, PC — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED — SEAL 17168 — MARIE CONNOLLY — 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE:	02/06/2026
PHASE:	PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE:	M. SHEWARD
PROJECT ARCHITECT:	L. HOWELL
DRAWN BY:	Author

SHEET TITLE:

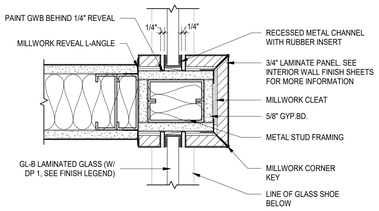
CASEWORK / MILLWORK

SHEET NO.

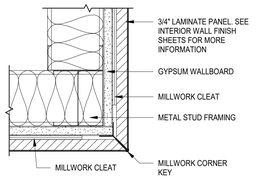
A622

PROJ. NO. 024370.01

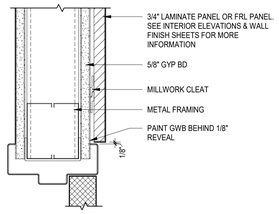
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SECURELY DESTROYED UPON REQUEST AT THE COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THIS PROJECT DOES NOT CONSTITUTE PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH ARCHITECTURE ALL RIGHTS RESERVED



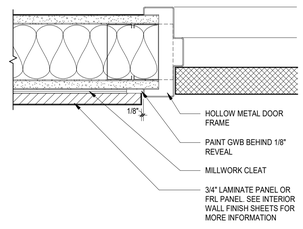
D5 A650 **PLAN DETAIL - MILLWORK AT SEPARATING WALL**
3" = 1'-0"



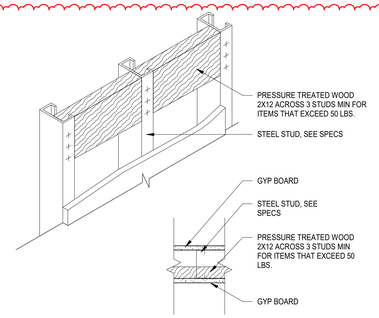
D4 A650 **MILLWORK SECTION-PANELING OUTSIDE CORNER**
3" = 1'-0"



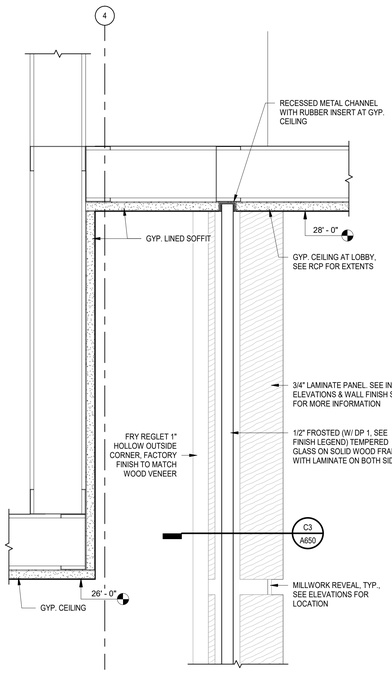
D3 A650 **SECTION DTL-PANELING AT HM DOOR HEAD**
3" = 1'-0"



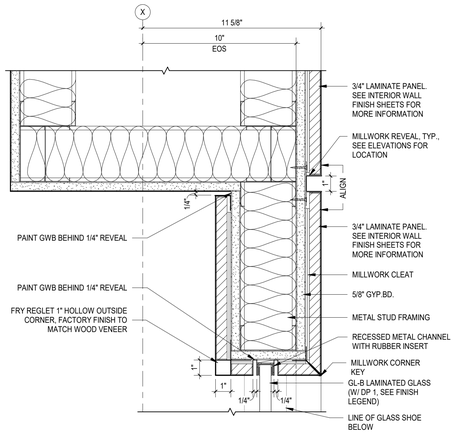
D2 A650 **PLAN DETAIL - PANEL TERM AT HM FRAME**
3" = 1'-0"



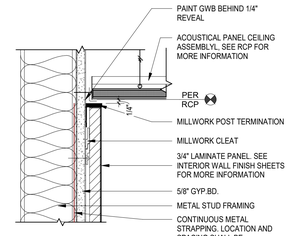
D1 A650 **BLOCKING DETAIL**
1 1/2" = 1'-0"



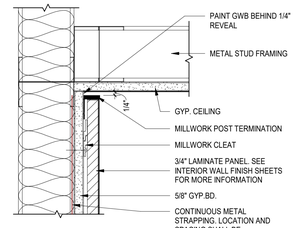
B5 A650 **SECTION DETAIL - LOBBY WOOD/GLAZING WALL AT HEADER**
3" = 1'-0"



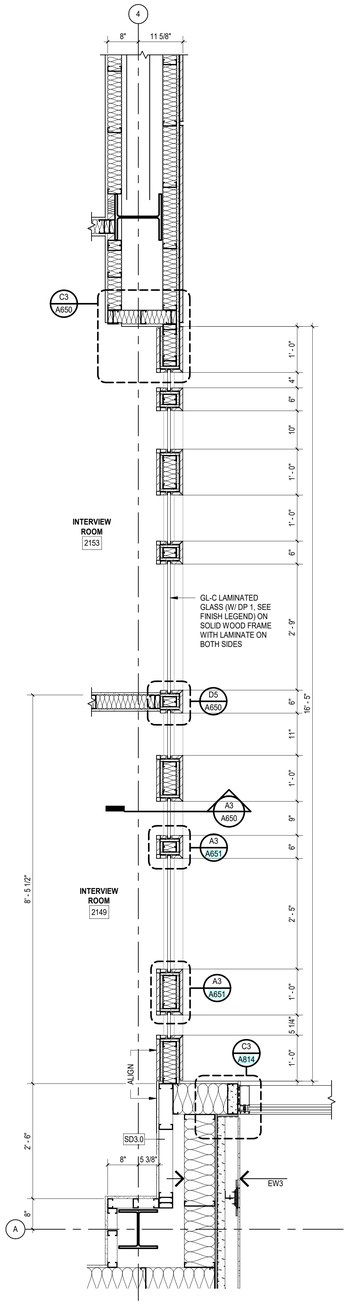
C3 A650 **PLAN DETAIL - LOBBY WOOD/GLAZING WALL**
3" = 1'-0"

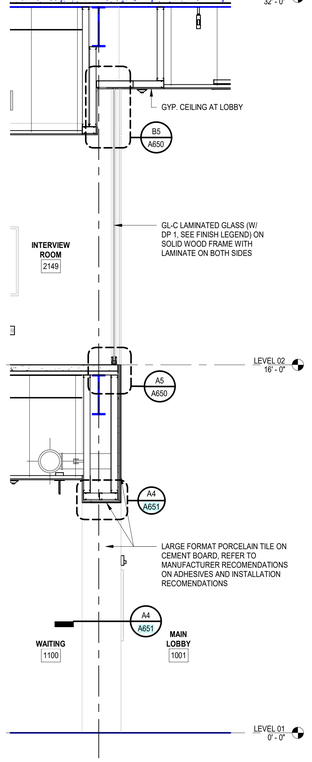


C2 A650 **MILLWORK SECTION-PANELING AT ACT CEILING**
3" = 1'-0"

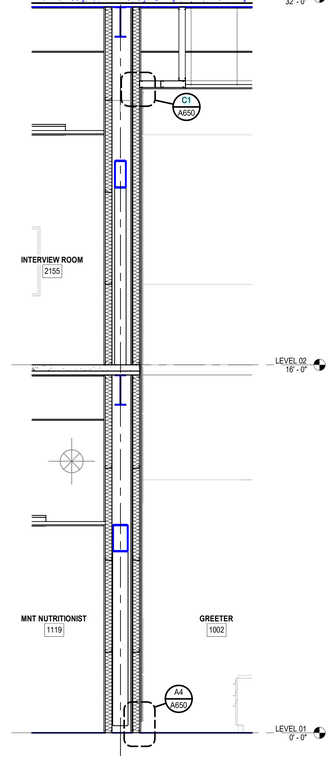


C1 A650 **MILLWORK SECTION-PANELING AT GYP CEILING**
3" = 1'-0"

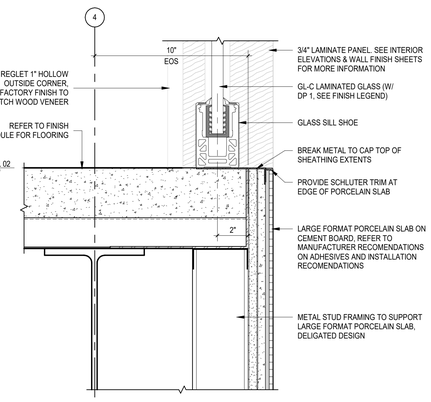




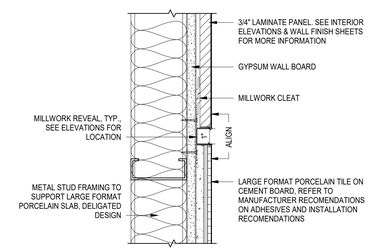
A3 A650 **WALL SECTION - LOBBY WOOD/GLAZING WALL**
3/8" = 1'-0"



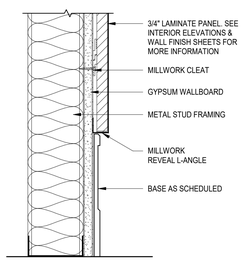
A2 A650 **WALL SECTION - LOBBY WOOD WALL**
3/8" = 1'-0"



A5 A650 **SECTION DETAIL - LOBBY WOOD/GLAZING WALL AT SILL**
3" = 1'-0"



B4 A650 **PLAN DETAIL - PANELING REVEALS**
3" = 1'-0"



A4 A650 **MILLWORK SECTION-PANELING BASE**
3" = 1'-0"

A1 A650 **LEVEL 02 PLAN - LOBBY WOOD/GLAZING WALL**
3/4" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERTIFIED ARCHITECTURAL CORPORATION NORTH CAROLINA CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17305 MARIE CONNELLY 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/26	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: C. MORENO / D. KIM

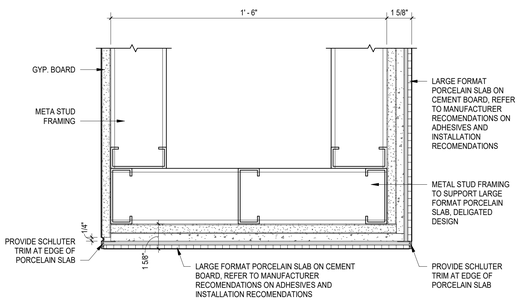
SHEET TITLE:

LOBBY DETAILS

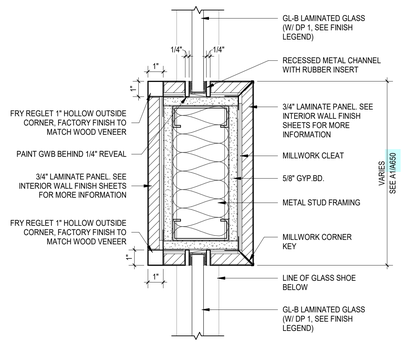
SHEET NO. A650

PROJ. NO. 024370.01

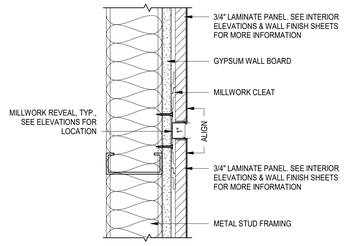
4/2/2026 11:22:27 PM - Autodesk Docs://2025-02 @ Brunswick County Health & Human Services/M25_Brunswick County Health and Human Services_R25_v1
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON MY INTEREST TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH.
ALL RIGHTS RESERVED



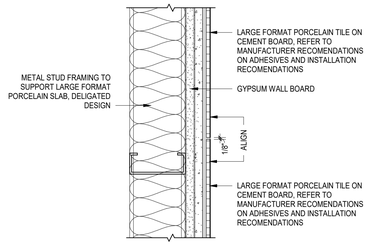
A4 / A651 **JAMB/HEAD DETAIL - PORCELAIN TILE**
3" = 1'-0"



A3 / A651 **PLAN DETAIL - MILLWORK WRAP DETAIL**
3" = 1'-0"



A2 / A651 **PLAN/SECTION DETAIL - WOOD PANELING JOINT**
3" = 1'-0"



A1 / A651 **PLAN/SECTION DETAIL - PORCELAIN TILE JOINT**
3" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17305 MARIE CONNELLY 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/26	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: D. KIM

SHEET TITLE:

LOBBY DETAILS

SHEET NO. A651 (A) PROJ. NO. 024370.01

INTERIOR DOOR SCHEDULE - LEVEL 1

FLOOR	DOOR NO.	ROOM NO.	DOOR TYPE	DOOR MATERIAL	HARDWARE SET	DOOR WIDTH	DOOR HEIGHT	DOOR THK.	RATING	FRAME TYPE	FRAME MATERIAL	DETAILS HEAD	DETAILS JAMB	REMARKS	Remarks
LEVEL 01	1004	1004	D1	WD	38.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PRIVACY SET WITH INDICATOR	
LEVEL 01	1005	1005	D1	WD	38.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PRIVACY SET WITH INDICATOR	
LEVEL 01	1006	1006	D1	WD	39.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PRIVACY SET WITH INDICATOR	
LEVEL 01	1008	1008	D1	WD	35.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PASSAGE SET	
LEVEL 01	1009	1009	D1	WD	38.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PRIVACY SET WITH INDICATOR	
LEVEL 01	1010	1010	D1	WD	38.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PRIVACY SET WITH INDICATOR	
LEVEL 01	1012	1012	D1	WD	34.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PASSAGE SET	
LEVEL 01	1014	1014	D1	WD	49.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	STOREROOM LOCKSET	
LEVEL 01	1014	1000A	D1	WD	28.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	CARD READER	
LEVEL 01	1015	1015	D1	WD	51.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	STOREROOM LOCKSET	
LEVEL 01	1016A	1016	D1	WD	26.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1		
LEVEL 01	1016C		D1	WD	22.0	4' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H1	J1	CARD READER / PANIC HARDWAREre	
LEVEL 01	1017	1017	D1	WD	49.0	2' - 6"	7' - 0"	0' - 1 3/4"				H-1	J-1	STOREROOM LOCKSET	
LEVEL 01	1018	1018	D6	HM	25.0	6' - 0"	7' - 0"	0' - 2"	60MIN	F1	HM	H-1	J-1	PANIC HARDWARE	PH
LEVEL 01	1019	1019	D1	WD	26.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	CARD READER / PH	
LEVEL 01	1021	1021	D1	WD	41.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1		
LEVEL 01	1023B	1023	STSGL.02	ALUM	1.0	3' - 0"	8' - 0"	0' - 1 3/4"		STORFRNT	ALUM	H-5	J-5	PH/CARD READER WEATHER STRIPPING	EXT ST0 04
LEVEL 01	1100	1100	D1	WD	26.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	CARD READER	
LEVEL 01	1101	1101	D4	WD- GL	13.0	3' - 0"	8' - 0"	0' - 1 3/4"		F4	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1102	1102	D4	WD- GL	13.0	3' - 0"	8' - 0"	0' - 1 3/4"		F4	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1103	1103	D4	WD- GL	13.0	3' - 0"	8' - 0"	0' - 1 3/4"		F4	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1104	1104	D4	WD- GL	13.0	3' - 0"	8' - 0"	0' - 1 3/4"		F4	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1107	1107	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 1 3/4"		F4	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1108A	1108	D1	WD	46.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PASSAGE SET	
LEVEL 01	1108B	1108	D1	WD	35.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PASSAGE SET	
LEVEL 01	1110	1110	D1	WD	40.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PRIVACY SET WITH INDICATOR	
LEVEL 01	1111	1111	D4	WD- GL	13.0	3' - 0"	8' - 0"	0' - 1 3/4"		F4	HM	H-1	J-1	STOREFRONT	
LEVEL 01	1115	1115	D1	WD	30.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PASSAGE SET	
LEVEL 01	1116	1116	D1	WD	49.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	STOREROOM LOCKSET	
LEVEL 01	1117	1117	D1	WD	32.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PASSAGE SET	
LEVEL 01	1119	1119	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 1 3/4"		F4	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1120	1120	D5	-		3' - 0"	7' - 0"			-	GWB	H-2	J-2	CASED OPENING	CASED OPENING
LEVEL 01	1121	1114	D1	WD	41.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1125	1125	D1	WD	32.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1		
LEVEL 01	1200	1200	D1	WD	38.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PRIVACY SET WITH INDICATOR	
LEVEL 01	1203A	1023	D1	WD	28.0	3' - 0"	7' - 0"	0' - 1 3/4"	90MIN	F1	HM	H-1	J-1	CARD READER	
LEVEL 01	1205	1205	D3	SCWD	43.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1206	1206	D15	METAL	49.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	CARD READER	
LEVEL 01	1208	1208	D1	WD	28.0	3' - 0"	7' - 0"	0' - 1 3/4"	90 MIN	F1	HM	H-1	J-1	CARD READER	
LEVEL 01	1209	1209	D4	WD- GL	41.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1210	1210	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 1 3/4"		F4	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1211	1211	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 1 3/4"		F4	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1213	1213	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 1 3/4"		F4	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1214	1214	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 1 3/4"		F4	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1215	1215	D1	WD	34.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PASSAGE SET	
LEVEL 01	1216	1216	D1	WD	41.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1219	1219	D1	WD	41.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1221A	1221	D4	WD- GL	13.0	3' - 0"	8' - 0"	0' - 1 3/4"		F4	HM	H-1	J-1		
LEVEL 01	1221B	1221	D4	WD- GL	12.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	CARD READER	
LEVEL 01	1223A	1223	D4	WD- GL	13.0	3' - 0"	8' - 0"	0' - 1 3/4"		F4	HM	H-1	J-1		
LEVEL 01	1223B	1223	D4	WD- GL	12.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	CARD READER	
LEVEL 01	1224	1224	D1	WD	41.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1230A	1230	D1	WD	51.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	STOREROOM LOCKSET	
LEVEL 01	1231	1231	D15	METAL	28.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	CARD READER	
LEVEL 01	1300	1013	D4	WD- GL	19.0	3' - 0"	8' - 0"	0' - 6"		F5	HM	H-1	J-1	STOREFRONT / PH	
LEVEL 01	1301	1301	D1	WD	41.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1302	1302	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 1 3/4"		F4	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1303	1303	D1	WD	26.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	CARD READER	
LEVEL 01	1304	1304	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 1 3/4"		F4	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1305	1303	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 1 3/4"		F4	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1306	1306	D1	WD	38.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PRIVACY SET WITH INDICATOR	
LEVEL 01	1307	1303	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 1 3/4"		F4	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1308	1303	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 1 3/4"		F4	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1309	1303	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 1 3/4"		F4	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1310	1310	D4	WD- GL	14.0	3' - 0"	8' - 0"	0' - 1 3/4"		F4	HM		J-1	STOREFRONT	
LEVEL 01	1368	1204	D4	WD- GL	16.0	3' - 0"	8' - 0"	0' - 1 3/4"		F4	HM	H-1	J-1	STOREFRONT	
LEVEL 01	1400A	1400	D1	WD	29.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	CARD READER	
LEVEL 01	1400B	1400	D1	WD	28.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	CARD READER	
LEVEL 01	1401	1401	D1	WD	26.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	CARD READER	
LEVEL 01	1403	1403	D1	WD	49.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1404A	1406	D1	WD	30.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1404B	1404	D5	-		3' - 6"	0' - 0"			F1	HM	H-1	J-1	CASED OPENING	
LEVEL 01	1404C	1404	D5	-		3' - 6"	0' - 0"			F1	HM	H-1	J-1	CASED OPENING	
LEVEL 01	1405	1405	D4	WD- GL	49.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	STOREROOM LOCKSET	
LEVEL 01	1407	1407	D1	WD	15.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1408	1408	D4	WD- GL	41.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1409	1406	D4	WD- GL	41.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1410	1410	D4	WD- GL	41.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1411	1411	D4	WD- GL	41.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1412	1412	D4	WD- GL	41.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1413	1413	D4	WD- GL	41.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1414	1414	D4	WD- GL	41.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1415	1415	D4	WD- GL	41.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1416	1416	D4	WD- GL	41.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1417	1417	D4	WD- GL	41.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1418	1418	D4	WD- GL	16.0	3' - 0"	8' - 0"	0' - 1 3/4"		F4	HM	H-1	J-1	PASSAGE SET	
LEVEL 01	1421	1421	D4	WD- GL	15.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1422	1422	D1	WD	15.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1424	1424	D1	WD	49.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	STOREROOM LOCKSET	
LEVEL 01	1425	1425	D15	METAL	52.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	CARD READER	
LEVEL 01	1426	1426	D15	METAL	49.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	CARD READER	
LEVEL 01	1427	1427	D1	WD	32.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PASSAGE SET	
LEVEL 01	1428B	1428	D1	WD	26.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	CARD READER	
LEVEL 01	1429	1429	D1	WD	57.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PRIVACY SET WITH INDICATOR	
LEVEL 01	1430	1430	D1	WD	32.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PASSAGE SET	
LEVEL 01	1431	1431	D1	WD	33.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PASSAGE SET	
LEVEL 01	1432	1432	D1	WD	30.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PASSAGE SET	
LEVEL 01	1433	1459	D1	WD	15.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1		
LEVEL 01	1434	1434	D1	WD	41.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	OFFICE LOCKSET	
LEVEL 01	1435	1435	D1	WD	38.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PRIVACY SET WITH INDICATOR	
LEVEL 01	1436	1436	D1	WD	38.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PRIVACY SET WITH INDICATOR	
LEVEL 01	1437A	1437	D3	SCWD	26.0	4' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	CARD READER	
LEVEL 01	1437B	1437	D1	WD	43.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	CARD READER	
LEVEL 01	1439	1439	D1	WD	32.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PASSAGE SET	
LEVEL 01	1440	1440	D1	WD	32.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PASSAGE SET	
LEVEL 01	1441	1441	D1	WD	49.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	CARD READER	
LEVEL 01	1443A	1442	D1	WD	46.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	CARD READER	
LEVEL 01	1443B	1443	D1	WD	49.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	CARD READER	
LEVEL 01	1445	1445	D1	WD	15.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1		
LEVEL 01	1447A	1447	D1	WD	26.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	CARD READER	
LEVEL 01	1447B	1437	D7	WD	57.00	3' - 4 1/2"	6' - 11 1/2"	0' - 1 3/4"			MTL	S-1	S-2	BARN TYPE DOOR	
LEVEL 01	1450	1450	D1	WD	32.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PASSAGE SET	
LEVEL 01	1451	1442	D1	WD	32.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PASSAGE SET	
LEVEL 01	1452	1442	D1	WD	32.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PASSAGE SET	
LEVEL 01	1453	1453	D1	WD	49.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1		
LEVEL 01	1455	1455	D1	WD	32.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PASSAGE SET	
LEVEL 01	1456	1456	D1	WD	32.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PASSAGE SET	
LEVEL 01	1458	1458	D1	WD	32.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PASSAGE SET	
LEVEL 01	1460	1460	D1	WD	32.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1		
LEVEL 01	1461	1461	D1	WD	32.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1		
LEVEL 01	1462	1462	D1	WD	30.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1		
LEVEL 01	1464	1464	D1	WD	50.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	CARD READER	
LEVEL 01	1465	1468	D1	WD	38.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1		
LEVEL 01	1467A	1467	D1	WD	54.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1		
LEVEL 01	1467B	1466	D1	WD	38.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1		
LEVEL 01	1468	1468	D1	WD	26.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	CARD READER	
LEVEL 01	1469	1469	D1	WD	32.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1		
LEVEL 01	1470	1470	D1	WD	49.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1		
LEVEL 01	1471	1468	D1	WD	30.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1		
LEVEL 01	1473	1473	D1	WD	30.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1		
LEVEL 01	1474	1474	D1	WD	32.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1		
LEVEL 01	1475	1475	D1	WD	32.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1		
LEVEL 01	1476	1476	D1	WD	32.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1		
LEVEL 01	1478	1478	D1	WD	32.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1		
LEVEL 01	1479	1479	D1	WD	30.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1		
LEVEL 01	1480	1477	D1	WD	41.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1		
LEVEL 01	1483	1483	D1	WD	49.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1		
LEVEL 01	1490	1490	D1	WD	49.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1		
LEVEL 01	ST1L1A	ST1L1	D2	HM	23.0	3' - 0"	7' - 0"	0' - 1 3/4"	90MIN	F1	HM	H-1	J-1	PANIC HARDWARE/ FIRE EXT	
LEVEL 01	ST1L1B	ST1L1	D2	HM	22.0	3' - 0"	7' - 0"	0' - 1 3/4"	90MIN	F1	HM	H-1	J-1	CARD READER/ FIRE EXIT/ PH	
LEVEL 01	ST2L1A	ST2L1	D2	HM	21.0	3' - 0"	7' - 0"	0' - 1 3/4"	90 MIN	F1	HM	H-1	J-1	PANIC HARDWARE/ FIRE EXT	
LEVEL 01	ST2L1B	ST2L1	STSGL.02	ALUM	21.0	3' - 0"	8' - 0"	0' - 1 3/4"		STORFRNT	ALUM			CARD READER/ FIRE EXIT/ PH	
LEVEL 01	ST3L1A	ST3L1	D2	HM	21.0	3' - 0"	7' - 0"	0' - 1 3/4"	90 MIN	F1	HM	H-1	J-1	CARD READER/ FIRE EXIT/ PH	EXT STO 03

EXTERIOR DOOR SCHEDULE

FLOOR	DOOR NO.	ROOM NO.	DOOR TYPE	DOOR WIDTH	DOOR HEIGHT	DOOR THK.	RATING	HARDWARE SET	FRAME TYPE	FRAME MATERIAL	DETAILS HEAD	DETAILS JAMB	REMARKS
LEVEL 01	1000A	1000	STDBL .01	6' - 4"	8' - 0"	0' - 1 3/4"		3.0	STORFRNT	ALUMINUM	H-4	J-4	OPERATOR / PH
LEVEL 01	1000B	1000	STDBL .01	6' - 4"	8' - 0"	0' - 1 3/4"		3.0	STORFRNT	ALUMINUM	H-4	J-4	PH / OPERATOR CARD READER
LEVEL 01	1000C	1000	STDBL .01	6' - 4"	8' - 0"	0' - 1 3/4"		10.0	STORFRNT	ALUMINUM	H-4	J-4	OPERATOR / PH
LEVEL 01	1000D	1000	STDBL .01	6' - 4"	8' - 0"	0' - 1 3/4"		10.0	STORFRNT	ALUMINUM	H-4	J-4	OPH / PERATOR CARD READER
LEVEL 01	1016B	1016	STDBL .01	6' - 4"	8' - 0"	0' - 1 3/4"		2.0	STORFRNT	ALUMINUM	H-4	J-4	PH / OPERATOR CARD READER
LEVEL 01	1022A	1022	D1	3' - 2"	7' - 0"	0' - 1 3/4"		6.0	F2	HM	H-5	J-5	CARD READER WEATHER STRIPPING
LEVEL 01	1022B	1022	D14	8' - 0"	10' - 0"	0' - 1"		59.0	D14	ALUMINUM	H-8	J-8	WEATHER STRIPPING
LEVEL 01	1419	1419	D20	6' - 2"	7' - 0"	0' - 1 3/4"		9.0	F2	HM			
LEVEL 01	1428A	1428	STSGL.02	3' - 0"	8' - 0"	0' - 1 3/4"		5.0	STORFRNT	ALUMINUM	H-4	J-4	CARD READER WEATHER STRIPPING
LEVEL 01	ST3L1B	ST3L1	D38	3' - 2"	7' - 0"	0' - 1 3/4"	45MIN	7.0	F2	ALUMINUM	H-5	J-5	CARD READER WEATHER STRIPPING
ROOF	ST1L5	ST1L5	D1	3' - 2"	7' - 0"	0' - 1 3/4"	90 MIN	8.0		HM			WEATHER STRIPPING

GENERAL NOTES - DOORS

1. SWING ALL DOORS AS SHOWN IN PLANS, UNLESS NOTED OTHERWISE.
2. PROVIDE CONTINUOUS HINGES FOR ALL EXTERIOR DOORS.
3. GC IS TO FIELD VERIFY AND COORDINATE ALL ROUGH OPENING DIMENSIONS.
4. ALL EXTERIOR STEEL LINTELS ARE TO BE GALV. AND PAINTED TO MATCH ADJACENT WALL AREA.
5. ALL FRAMES WITH ELECTRIC HARDWARE ARE TO BE INSPECTED BY THE OWNER AND HARDWARE INSTALLER PRIOR TO WALLS BEING CLOSED IN.
6. PROVIDE PROJECT SPECIFIC WIRING DIAGRAMS FOR ALL DOORS WITH ELECTRIFIED HARDWARE.
7. AT ALL DOORS IN FIRE RATED WALLS, PROVIDE CLEAR FIRE RATED GLAZING TO MATCH DOOR RATING.
8. AT ALL GLAZING IN FIRE RATED DOOR FRAMES, MATCH RATING OF WALL.
9. AT ALL DOORS WITH ELECTRONIC ACCESS CONTROL, AT NO TIME ARE EGRESS FUNCTIONS TO BE DISABLED OR PROHIBITED, UNLESS NOTED OTHERWISE,
10. AT ALL DOUBLE DOORS, PROVIDE REMOVABLE MULLION WITH KEYED CYLINDER LOCKSET.
11. PROVIDE CLOSERS ON ALL KITCHEN DOORS, BATHROOM DOORS, FIRE-RATED DOORS, AND EXTERIOR DOORS.
12. ALL ELECTRICAL ROOM DOORS SWINGING OUTWARD FROM ELEC ROOM ARE TO HAVE PANIC HARDWARE (A)
13. ALL LOCKSETS ARE TO BE KEYED TO OWNER'S EXISTING CAMPUS MASTER KEY SYSTEM.
14. ALL HARDWARE TO BE SATIN STAINLESS STEEEL FINISH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERT. NO. 54314 REGISTERED ARCHITECTURAL CORPORATION CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 37305 MARIE CONNELLY 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/26	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:

DOOR SCHEDULE- EXTERIOR & LEVEL 1 (A)

SHEET NO. A800A

PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND CODES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE (MPS) AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT WITH THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUC

INTERIOR DOOR SCHEDULE - LEVEL 2

FLOOR	DOOR NO.	ROOM NO.	DOOR TYPE	DOOR MATERIAL	HARDWARE SET	RATING	DOOR WIDTH	DOOR HEIGHT	DOOR THK.	FRAME TYPE	FRAME MATERIAL	Door Jamb	Door Head	REMARKS
LEVEL 02	2004	2004	D1	WD	38.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	
LEVEL 02	2005	2005	D1	WD	54.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	
LEVEL 02	2006	2006	D1	WD	38.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	
LEVEL 02	2007	2007	D1	WD	39.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	
LEVEL 02	2009	2009	D1	WD	39.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	
LEVEL 02	2010	2010	D1	WD	39.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	
LEVEL 02	2011	2011	D1	WD	54.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	
LEVEL 02	2012A	2012	D1	WD	26.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	DELAYED EGRESS / PH
LEVEL 02	2012B	2012	D1	WD	26.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	DELAYED EGRESS
LEVEL 02	2015	2015	D1	WD	49.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	STOREROOM LOCKSET
LEVEL 02	2016	2016	D15	METAL	28.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	CARD READER
LEVEL 02	2017A	2017	D1	WD	41.1		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	
LEVEL 02	2017B	2017	D1	WD	26.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	
LEVEL 02	2018A	2014	D1	WD	26.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	DELAYED EGRESS / PH
LEVEL 02	2018B	2018	D1	WD	26.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	CARD READER
LEVEL 02	2018C	2262	D1	WD	26.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	PANIC HARDWARE
LEVEL 02	2021A	2021	D1	WD	46.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	
LEVEL 02	2021B	2021	D1	WD	29.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	CARD READER
LEVEL 02	2026	2026	D6	SCWD	53.0		6' - 0"	7' - 0"	0' - 1 3/4"	F1	HM		H-1	
LEVEL 02	2027		D1	WD	22.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	CARD READER / PH
LEVEL 02	2028	2028	D1	WD	26.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	DELAYED EGRESS / PH
LEVEL 02	2101A	2101	D1	WD	41.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	PANIC HARDWARE
LEVEL 02	2101B	2101	D1	WD	41.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	
LEVEL 02	2103	2103	D1	WD	49.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	
LEVEL 02	2104	2104	D1	WD	47.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	PANIC HARDWARE
LEVEL 02	2105	2105	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	2107	2107	D1	WD	42.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	
LEVEL 02	2108	2108	D4	WD- GL	16.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	2110A	2110	D1	WD	47.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	
LEVEL 02	2110B	2110	D1	WD	37.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	
LEVEL 02	2112A	2112	D1	WD	49.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	
LEVEL 02	2112B	2112	D1	WD	49.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	
LEVEL 02	2117	2117	D15	METAL	49.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	CARD READER
LEVEL 02	2118	2118	D4	WD- GL	16.0		3' - 0"	8' - 0"	0' - 4 3/4"	F6	HM	J1-A	H1-A	
LEVEL 02	2120	2120	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F6	HM	J1-A	H1-A	
LEVEL 02	2121	2121	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F6	HM	J1-A	H1-A	
LEVEL 02	2122A	2122	D4	WD- GL	16.0		3' - 0"	8' - 0"	0' - 4 3/4"	F6	HM	J1-A	H1-A	
LEVEL 02	2122B	2127	D4	WD- GL	16.0		3' - 0"	8' - 0"	0' - 4 3/4"	F6	HM	J1-A	H1-A	
LEVEL 02	2124	2124	D1	WD	49.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	
LEVEL 02	2126	2126	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F6	HM	J1-A	H1-A	
LEVEL 02	2128	2128	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F6	HM	J1-A	H1-A	
LEVEL 02	2130	2130	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F6	HM	J1-A	H1-A	
LEVEL 02	2139	2141	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F6	HM	J1-A	H1-A	
LEVEL 02	2145	2145	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	2146	2146	D1	WD	49.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	
LEVEL 02	2149	2149	D4	WD- GL	13.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	2150	2150	D4	WD- GL	13.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	2151	2151	D4	WD- GL	13.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	2152	2152	D4	WD- GL	13.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	2153	2153	D4	WD- GL	13.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	2154	2154	D4	WD- GL	13.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	2155	2020	D4	WD- GL	13.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	2156	2156	D4	WD- GL	13.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	2198	2198	D1	WD	49.0	60MIN	3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	
LEVEL 02	2200	2200	D4	WD- GL	13.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	2201	2201	D4	WD- GL	13.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	2203A	2203	D4	WD- GL	16.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	2203B	2208	D1	WD	27.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	CARD READER
LEVEL 02	2210	2210	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	2212	2212	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	2214	2214	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	2216	2216	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	2222	2222	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	2224	2224	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	2226	2226	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	2228	2228	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	2230	2230	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	2232	2232	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	2234	2234	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	2236	2236	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	2240	2240	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	2244	2244	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	2246	2246	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	2250	2250	D15	METAL	51.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM			CARD READER
LEVEL 02	2252	2252	D15	METAL	49.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM			CARD READER
LEVEL 02	2254	2254	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	2256	2256	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	2260	2260	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	2264	2264	D1	WD	38.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	
LEVEL 02	2265	2265	D1	WD	38.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	
LEVEL 02	2266	2266	D1	WD	38.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	
LEVEL 02	2267	2267	D1	WD	38.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	
LEVEL 02	2268	2268	D1	WD	38.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	
LEVEL 02	2269	2269	D4	WD- GL	13.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	2270	2270	D4	WD- GL	14.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	2272	2272	D4	WD- GL	16.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	2300	2300	D1	WD	49.0		2' - 6"	7' - 0"	0' - 1 3/4"					
LEVEL 02	2373	2218	D4	WD- GL	41.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	J-1 / J-1A	H-1	
LEVEL 02	MS02	MCSHFT L2	D1	WD	49.0	60MIN	3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	CARD READER
LEVEL 02	ST1L2	ST1L2	D2	HM	20.0	90 MIN	3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	J-1	H-1	CARD READER/ FIRE EXIT/ PH
LEVEL 02	ST2L2	ST2L2	D2	HM	20.0	90 MIN	3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM			CARD READER/ FIRE EXIT/ PH
LEVEL 02	ST3L2	ST3L2	D2	HM	20.0	90 MIN	3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM			CARD READER/ FIRE EXIT/ PH

INTERIOR DOOR SCHEDULE - LEVEL 3

FLOOR	DOOR NO.	ROOM NO.	DOOR TYPE	DOOR MATERIAL	HARDWARE SET	RATING	DOOR WIDTH	DOOR HEIGHT	DOOR THK.	FRAME TYPE	FRAME MATERIAL	DETAILS HEAD	DETAILS JAMB	REMARKS
LEVEL 03	3000A	3000A	D1	WD	49.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	H-1	J-1	
LEVEL 03	3001	3001	D1	WD	38.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	H-1	J-1	
LEVEL 03	3002	3002	D1	WD	38.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	H-1	J-1	
LEVEL 03	3004	3004	D1	WD	39.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	H-1	J-1	
LEVEL 03	3006	3006	D1	WD	54.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	H-1	J-1	
LEVEL 03	3009	3009	D1	WD	54.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	H-1	J-1	
LEVEL 03	3010	3010	D1	WD	38.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	H-1	J-1	
LEVEL 03	3012	3012	D1	WD	38.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	H-1	J-1	
LEVEL 03	3014A	3014	D1	WD	60.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	H-1	J-1	DELAYED EGRESS/ PH
LEVEL 03	3020	3000	D15	METAL	28.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM			CARD READER W/ LOUVER
LEVEL 03	3021	3021	D1	WD	49.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	H-1	J-1	
LEVEL 03	3069	3069	D1	WD	60.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	H-1	J-1	DELAYED EGRESS/ PH
LEVEL 03	3101B	3101	D1	WD	41.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	H-1	J-1	
LEVEL 03	3102A	3102	D1	WD	26.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	H-1	J-1	PANIC HARDWARE
LEVEL 03	3102B	3182	D1	WD	28.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	H-1	J-1	CARD READER
LEVEL 03	3103	3104	D4	WD- GL	16.0		3' - 0"	8' - 0"	0' - 4 3/4"	D3	HM	H-1	J-1	
LEVEL 03	3104	3104	D4	WD- GL	18.0		3' - 0"	8' - 0"	0' - 4 3/4"	D3	HM	H-1	J-1	
LEVEL 03	3105	3105	D4	WD- GL	13.0		3' - 0"	8' - 0"	0' - 4 3/4"	D3	HM	H-1	J-1	
LEVEL 03	3106	3106	D4	WD- GL	13.0		3' - 0"	8' - 0"	0' - 4 3/4"	D3	HM	H1	J-1	
LEVEL 03	3108A	3108	D1	WD	26.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	H-1	J-1	PANIC HARDWARE
LEVEL 03	3110	3110	D2	HM	49.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM			
LEVEL 03	3114	3114	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	H-1	J-1 / J-1A	
LEVEL 03	3116	3116	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	H-1	J-1 / J-1A	
LEVEL 03	3118	3118	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	H-1	J-1 / J-1A	
LEVEL 03	3120	3120	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	H-1	J-1 / J-1A	
LEVEL 03	3121	3121	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	H-1	J-1 / J-1A	
LEVEL 03	3122	3122	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	H-1	J-1 / J-1A	
LEVEL 03	3124	3124	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	H-1	J-1 / J-1A	
LEVEL 03	3126	3126	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	H-1	J-1 / J-1A	
LEVEL 03	3128	3128	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	H-1	J-1 / J-1A	
LEVEL 03	3130	3130	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	H-1	J-1 / J-1A	
LEVEL 03	3130B	3000	D1	WD	21.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	H-1	J-1	CARD READER / PH
LEVEL 03	3131	3131	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	H-1	J-1 / J-1A	
LEVEL 03	3135A	3135	D4	WD- GL	16.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	H-1	J-1 / J-1A	
LEVEL 03	3135B		D4	WD- GL	16.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	H-1	J-1 / J-1A	
LEVEL 03	3136	3136	D1	WD	51.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	H-1	J-1	
LEVEL 03	3138	3138	D1	WD	49.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	H-1	J-1	CARD READER
LEVEL 03	3140	3140	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	H-1	J-1 / J-1A	
LEVEL 03	3141	3141	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	H-1	J-1 / J-1A	
LEVEL 03	3142	3142	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	H-1	J-1 / J-1A	
LEVEL 03	3144	3144	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	H-1	J-1 / J-1A	
LEVEL 03	3146	3146	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	H-1	J-1 / J-1A	
LEVEL 03	3150	3150	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	H-1	J-1 / J-1A	
LEVEL 03	3152	3152	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	H-1	J-1 / J-1A	
LEVEL 03	3154	3154	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	H-1	J-1 / J-1A	
LEVEL 03	3156	3156	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	H-1	J-1 / J-1A	
LEVEL 03	3158	3158	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	H-1	J-1 / J-1A	
LEVEL 03	3160	3160	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	H-1	J-1 / J-1A	
LEVEL 03	3161	3161	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	H-1	J-1 / J-1A	
LEVEL 03	3162	3162	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	H-1	J-1 / J-1A	
LEVEL 03	3164	3164	D2	HM	49.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM			
LEVEL 03	3173	3173	D4	WD- GL	15.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	H-1	J-1 / J-1A	
LEVEL 03	3174	3174	D4	WD- GL	49.0		3' - 0"	7' - 0"	0' - 1 3/4"		HM			
LEVEL 03	3176	3176	D2	HM	60.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM			DELAYED EGRESS/ PH
LEVEL 03	3177	3176	D1	WD	49.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	H-1	J-1	STOREROOM LOCKSET
LEVEL 03	3178	3178	D1	WD	49.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	H-1	J-1	STOREROOM LOCKSET
LEVEL 03	3180	3180	D4	WD- GL	13.0		3' - 0"	8' - 0"	0' - 4 3/4"	D3	HM			
LEVEL 03	3181	3181	D4	WD- GL	13.0		3' - 0"	8' - 0"	0' - 4 3/4"	F5	HM	H-1	J-1 / J-1A	
LEVEL 03	3182A	3000	D1	WD	26.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	H-1	J-1	CARD READER / PH
LEVEL 03	3183	3182	D4	WD- GL	16.0		3' - 0"	8' - 0"	0' - 4 3/4"	D3	HM			
LEVEL 03	3184	3184	D1	WD	30.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	H-1	J-1	
LEVEL 03	3186	3186	D1	WD	30.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	H-1	J-1	
LEVEL 03	3187	3182	D1	WD	39.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	H-1	J-1	
LEVEL 03	3188	3188	D1	WD	28.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	H-1	J-1	
LEVEL 03	3200	3200	D1	WD	28.0	45MIN	3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	H-1	J-1	CARD READER
LEVEL 03	3201	3201	D15	METAL	50.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM			CARD READER
LEVEL 03	3202	3200	D15	METAL	52.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM			CARD READER
LEVEL 03	3208	3176	D1	WD	30.0		3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM	H-1	J-1	
LEVEL 03	3300	3176	D1	WD	49.0		2' - 6"	7' - 0"	0' - 1 3/4"	D1				
LEVEL 03	ST1L3	ST1L3	D2	HM	20.0	90 MIN	3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM			CARD READER/ FIRE EXIT/ PH
LEVEL 03	ST2L3	ST2L3	D2	HM	20.0	90 MIN	3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM			CARD READER/ FIRE EXIT/ PH
LEVEL 03	ST3L3	ST3L3	D2	HM	20.0	90 MIN	3' - 0"	7' - 0"	0' - 1 3/4"	F1	HM			CARD READER/ FIRE EXIT/ PH

GENERAL NOTES - DOORS

1. SWING ALL DOORS AS SHOWN IN PLANS, UNLESS NOTED OTHERWISE.
2. PROVIDE CONTINUOUS HINGES FOR ALL EXTERIOR DOORS.
3. GC IS TO FIELD VERIFY AND COORDINATE ALL ROUGH OPENING DIMENSIONS.
4. ALL EXTERIOR STEEL LINTELS ARE TO BE GALV. AND PAINTED TO MATCH ADJACENT WALL AREA.
5. ALL FRAMES WITH ELECTRIC HARDWARE ARE TO BE INSPECTED BY THE OWNER AND HARDWARE INSTALLER PRIOR TO WALLS BEING CLOSED IN.
6. PROVIDE PROJECT SPECIFIC WIRING DIAGRAMS FOR ALL DOORS WITH ELECTRIFIED HARDWARE.
7. AT ALL DOORS IN FIRE RATED WALLS, PROVIDE CLEAR FIRE RATED GLAZING TO MATCH DOOR RATING.
8. AT ALL GLAZING IN FIRE RATED DOOR FRAMES, MATCH RATING OF WALL.
9. AT ALL DOORS WITH ELECTRONIC ACCESS CONTROL, AT NO TIME ARE EGRESS FUNCTIONS TO BE DISABLED OR PROHIBITED, UNLESS NOTED OTHERWISE,
10. AT ALL DOUBLE DOORS, PROVIDE REMOVABLE MULLION WITH KEYED CYLINDER LOCKSET.
11. PROVIDE CLOSERS ON ALL KITCHEN DOORS, BATHROOM DOORS, FIRE-RATED DOORS, AND EXTERIOR DOORS.
12. ALL ELECTRICAL ROOM DOORS SWINGING OUTWARD FROM ELEC ROOM ARE TO HAVE PANIC HARDWARE (A)
13. ALL LOCKSETS ARE TO BE KEYED TO OWNER'S EXISTING CAMPUS MASTER KEY SYSTEM.
14. ALL HARDWARE TO BE SATIN STAINLESS STEEEL FINISH

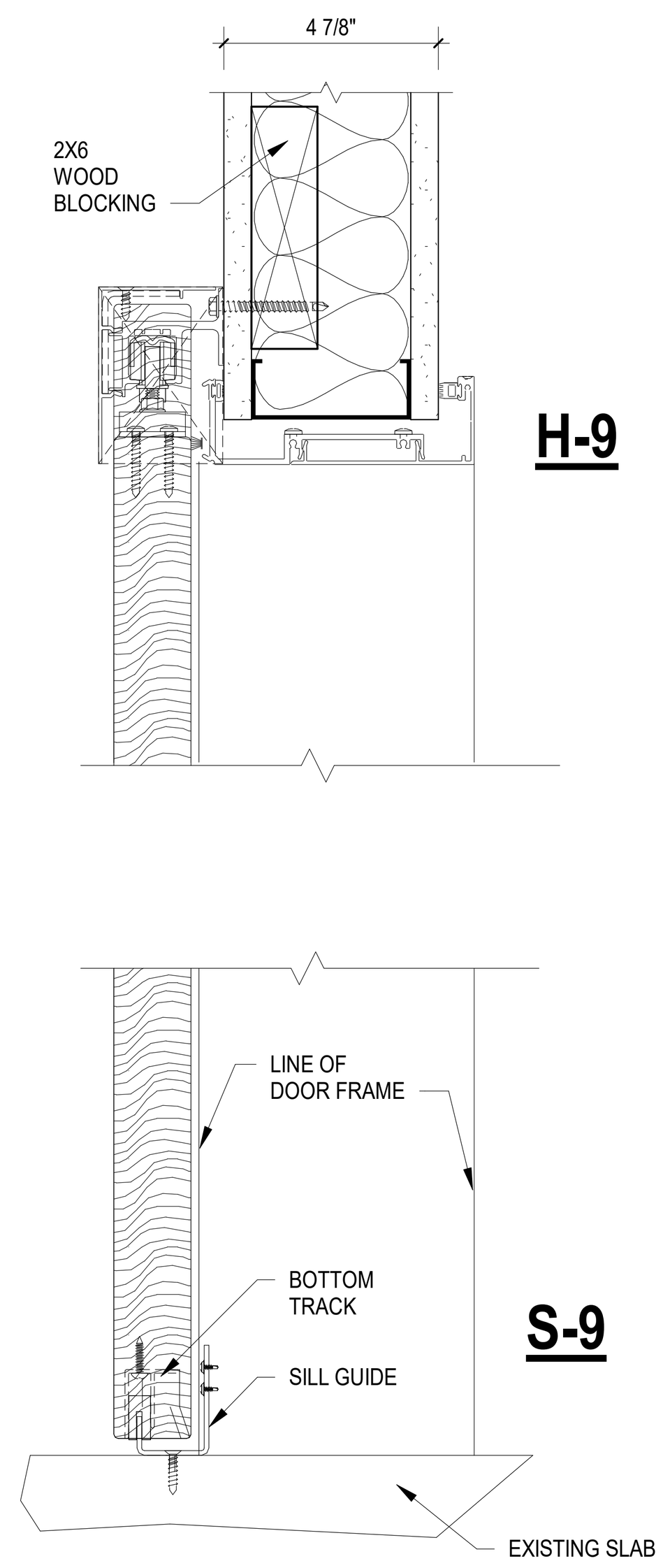
4/3/2026 1:32:17 PM Autodesk Docs://2025.02 @ Brunswick County Health & Human Services/MCPD_Brunswick County Health and Human Services_R25.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF SIGNATURE CONTRACTS SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SURRENDERED ON DEMAND BY MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. THESE MATERIALS ARE NOT TO BE CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY, WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ANY UNAUTHORIZED USE, IN WHOLE OR IN PART, IS AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO MC

4/2/2026 12:30:19 PM Autodesk Docs://024370.00_Brunswick County Health & Human Services/ARCH_Brunswick County Health and Human Servic_R23.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2026 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

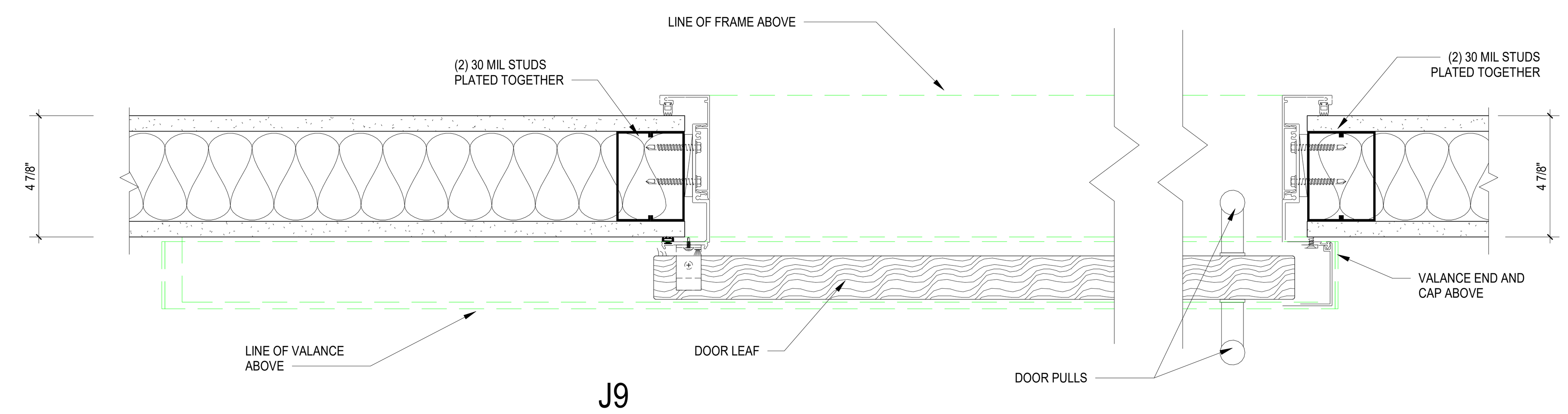
INTERIOR DOOR SCHEDULE - LEVEL 4

FLOOR	DOOR NO.	ROOM NO.	DOOR TYPE	DOOR MATERIAL	HARDWARE SET	DOOR WIDTH	DOOR HEIGHT	DOOR THK.	RATING	FRAME TYPE	FRAME MATERIAL	DETAILS HEAD	DETAILS JAMB	REMARKS
LEVEL 04												H-1	J-1	
LEVEL 04	4001	4001	D15	METAL	28.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	CARD READER W/ LOUVER
LEVEL 04	4002	4002	D1	WD	49.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	STOREROOM LOCKSET
LEVEL 04	4006	4006	D1	WD	38.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	
LEVEL 04	4008	4008	D1	WD	38.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	
LEVEL 04	4009	4009	D1	WD	39.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	
LEVEL 04	4010	4010	D1	WD	38.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	
LEVEL 04	4011	4011	D1	WD	54.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	
LEVEL 04	4012	4012	D1	WD	55.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	
LEVEL 04	4013	4013	D1	WD	39.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	
LEVEL 04	4014	4014	D1	WD	22.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	CARD READER / PH TIED TO FIRE ALARM
LEVEL 04	4018		D1	WD	26.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	DELAYED EGRESS
LEVEL 04	4019	4007	D1	WD	28.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	CARD READER / PH
LEVEL 04	4020	4269	D1	WD	60	3' - 0"	7' - 0"	0' - 1 3/4"	DE	F1	HM	H-1	J-1	DELAYED EGRESS / PH
LEVEL 04	4022	4022	D15	METAL	50.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	CARD READER W/ LOUVER
LEVEL 04	4024	4024	D15	METAL	50.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	CARD READER W/ LOUVER
LEVEL 04	4025	4130	D15	METAL	52.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	CARD READER W/ LOUVER
LEVEL 04	4100A	4007	STDBL .01	ALUM	24.0	6' - 0"	8' - 6 1/4"	0' - 1 3/4"		STORFRNT	ALUM	H-4	J-4	
LEVEL 04	4100B	4186	D1	WD	24.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PANIC HARDWARE
LEVEL 04	4103A	4103	D1	WD	30.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	
LEVEL 04	4103B	4021	D1	WD	30.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	
LEVEL 04	4105	4105	D6	HM	53.0	6' - 0"	7' - 0"	0' - 2"		F1	HM	H-1	J-1	
LEVEL 04	4111A	4111	D1	WD	22.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PANIC HARDWARE
LEVEL 04	4111B	4130	D1	WD	22.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PANIC HARDWARE
LEVEL 04	4111C	4007	D6	SCWD	11.0	6' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	CARD READER/PH
LEVEL 04	4111D	4110	D6	SCWD	11.0	6' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	CARD READER / PH
LEVEL 04	4112	4111	STSGL.02	ALUM	16.0	3' - 0"	7' - 0 1/4"	0' - 1 3/4"		STORFRNT	ALUM	H-1	J-1	STOREFRONT
LEVEL 04	4113A	4113	D4	WD- GL	17.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H-1	J-1	
LEVEL 04	4113B	4113	D4	WD- GL	17.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H-1	J-1	
LEVEL 04	4113C	4113	D4	WD- GL	17.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	CARD READER
LEVEL 04	4114	4114	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 1 3/4"		F4	HM	H-1	J-1	
LEVEL 04	4115A	4115	D6	HM	53.0	6' - 0"	7' - 0"	0' - 2"		F1	HM	H-1	J-1	CARD READER
LEVEL 04	4115B	4115	D6	HM	53.0	6' - 0"	7' - 0"	0' - 2"		F1	HM	H-1	J-1	
LEVEL 04	4116	4116	D1	WD	41.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	
LEVEL 04	4120	4120	D1	WD	45.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	CARD READER
LEVEL 04	4126	4120	D4*	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6*	HM	H1-A	J1-A	
LEVEL 04	4127	4110	D1	WD	50.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	
LEVEL 04	4128	4128	D4*	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6*	HM	H1-A	J1-A	
LEVEL 04	4134	4134	D4*	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6*	HM	H1-A	J1-A	
LEVEL 04	4136	4136	D4*	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6*	HM	H1-A	J1-A	
LEVEL 04	4137	4137	D1	WD	50.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	
LEVEL 04	4139	4139	D5	-	32.0	3' - 6"	0' - 0"			F1	HM	H-2	J-2	CASED OPENING
LEVEL 04	4152	4152	D4*	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6*	HM	H1-A	J1-A	
LEVEL 04	4153	4153	D4*	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6*	HM	H1-A	J1-A	
LEVEL 04	4154	4154	D4*	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6*	HM	H1-A	J1-A	
LEVEL 04	4158	4160	D4*	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6*	HM	H1-A	J1-A	
LEVEL 04	4160	4160	D1	WD	60.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	DELAYED EGRESS/ PH
LEVEL 04	4162	4162	D4*	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6*	HM	H1-A	J1-A	
LEVEL 04	4164	4164	D4*	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6*	HM	H1-A	J1-A	
LEVEL 04	4165	4111	STSGL.02	ALUM	17.0	3' - 0"	7' - 0 1/4"	0' - 1 3/4"		STORFRNT	ALUM			STOREFRONT
LEVEL 04	4166	4166	D4*	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6*	HM	H1-A	J1-A	
LEVEL 04	4166B	4168	D4	WD- GL	16.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	CARD READER
LEVEL 04	4167	4167	STSGL.02	ALUM	17.0	3' - 0"	6' - 11 1/2"	0' - 1 3/4"		STORFRNT	ALUM			STOREFRONT
LEVEL 04	4167B	4165	D7	WD	58.0	3' - 10 1/2"	6' - 11 1/2"	0' - 1 3/4"			ALUM	H9	J9	SLIDER
LEVEL 04	4168A	4168	D4	WD- GL	16.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4172	4172	D1	WD	58.0	4' - 0"	7' - 0"	0' - 1 3/4"		F1	HM			180 DEG HINGE / PH
LEVEL 04	4176	4176B	D1	WD	38.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PRIVACY SET WITH INDICATOR
LEVEL 04	4176A	4176A	D5	-		3' - 0"	7' - 0"			-	GWB	H-1	J-1	CASED OPENING
LEVEL 04	4178A	4178B	D5	-		3' - 0"	7' - 0"			-	GWB	H-1	J-1	CASED OPENING
LEVEL 04	4178B	4178B	D1	WD	38.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PRIVACY SET WITH INDICATOR
LEVEL 04	4180A	4180B	D5	-		3' - 0"	7' - 0"			-	GWB	H-1	J-1	CASED OPENING
LEVEL 04	4180B	4180B	D1	WD	38.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PRIVACY SET WITH INDICATOR
LEVEL 04	4181A	4181A	D1	WD	38.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PRIVACY SET WITH INDICATOR
LEVEL 04	4182A	4182	D7	WD	56.0	4' - 4 1/2"	7' - 1 3/4"	0' - 1 3/4"			ALUM	H9	J9	SLIDER
LEVEL 04	4182B	4186	D7	WD	56.0	4' - 4 1/2"	7' - 1 3/4"	0' - 1 3/4"			ALUM	H9	J9	SLIDER
LEVEL 04	4184A	4184B	D5	-		3' - 6"	0' - 0"			F1	HM			CASED OPENING
LEVEL 04	4184B	4182	D1	WD	38.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	
LEVEL 04	4185A	4185A	D5	-		3' - 0"	7' - 0"			-	GWB			CASED OPENING
LEVEL 04	4185B	4185B	D1	WD	38.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	
LEVEL 04	4200A	4007	STDBL .01	ALUM	25.0	6' - 0"	8' - 6 1/4"	0' - 1 3/4"		STORFRNT	ALUM			STOREFRONT / PH
LEVEL 04	4200B	4200	D6	HM	61.0	6' - 0"	7' - 0"	0' - 2"	DE	F1	HM			DELAYED EGRESS /PH
LEVEL 04	4201	4201	D1	WD	49.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	CARD READER
LEVEL 04	4202	4202	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4203	4019	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4204	4210	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4205	4210	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4206	4210	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4208	4210	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4209	4209	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4211	4264	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4212	4210	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4214	4210	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4216	4210	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4218	4210	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4220	4220	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F5	HM	H-1	J-1 / J-1A	
LEVEL 04	4222	4019	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4224	4224	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4227	4227	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4228	4228	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4229	4229	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4230	4230	D1	WD	49.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	
LEVEL 04	4233	4233	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4236	4236	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4240A	4234	D5	-		3' - 0"	7' - 0"			-	GWB	H-1		CASED OPENING
LEVEL 04	4242	4242	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4243	4243	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4244A	4244	D4	WD- GL	16.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4244B	4244	D4	WD- GL	16.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4246	4246	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4248	4248	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4249	4239	D1	WD	49.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	
LEVEL 04	4250	4250	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4251	4251	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4252	4252	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4253	4253	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4254	4254	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4255	4255	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4256	4256	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4258	4258	D1	WD	50.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	
LEVEL 04	4259	4259	D4	WD- GL	16.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4260	4264	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4261	4261	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4262	4262	STDBL .01	ALUM	25.0	6' - 0"	8' - 6 1/4"	0' - 1 3/4"		STORFRNT	ALUM	H-4	J-4	PANIC HARDWARE
LEVEL 04	4262B	4016	D1	WD	60.0	3' - 0"	7' - 0"	0' - 1 3/4"	DE	F1	HM	H-1	J-1	DELAYED EGRESS / PH
LEVEL 04	4263	4263	D4	WD- GL	15.0	3' - 0"	8' - 0"	0' - 4 3/4"		F6	HM	H1-A	J1-A	
LEVEL 04	4265	4265	D1	WD	22.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	PANIC HARDWARE
LEVEL 04	4267	4267	D1	WD	45.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	
LEVEL 04	4268A	4268	D1	WD	43.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	
LEVEL 04	4268B	4268	D1	WD	42.0	3' - 0"	7' - 0"	0' - 1 3/4"		F1	HM	H-1	J-1	
LEVEL 04	4300	4300	D1	WD	49.0	2' - 6"	7' - 0"	0' - 1 3/4"				H-1	J-1	
LEVEL 04	ST1L4	ST1L4	D2	HM	20.0	3' - 0"	7' - 0"	0' - 1 3/4"	90 MIN	F1	HM	H-1	J-1	CARD READER/ FIRE EXIT/ PH
LEVEL 04	ST2L4	ST2L4	D2	HM	20.0	3' - 0"	7' - 0"	0' - 1 3/4"	90 MIN	F1	HM	H-1	J-1	CARD READER/ FIRE EXIT/ PH
LEVEL 04	ST3L4	ST3L4	D2	HM	20.0	3' - 0"	7' - 0"	0' - 1 3/4"	90 MIN	F1	HM	H-1	J-1	CARD READER/ FIRE EXIT/ PH
ROOF	ST1L5	ST1L5	D1	HM	8.0	3' - 2"	7' - 0"	0' - 1 3/4"	90 MIN	F7	HM			WEATHER STRIPPING

A



C1 A800C **BARN DOOR HEAD AND SILL DETAILS**
3" = 1'-0"



B1 A800C **BARN DOOR JAMB CONDITION**
3" = 1'-0"

GENERAL NOTES - DOORS

1. SWING ALL DOORS AS SHOWN IN PLANS, UNLESS NOTED OTHERWISE.
2. PROVIDE CONTINUOUS HINGES FOR ALL EXTERIOR DOORS.
3. GC IS TO FIELD VERIFY AND COORDINATE ALL ROUGH OPENING DIMENSIONS.
4. ALL EXTERIOR STEEL LINTELS ARE TO BE GALV. AND PAINTED TO MATCH ADJACENT WALL AREA.
5. ALL FRAMES WITH ELECTRIC HARDWARE ARE TO BE INSPECTED BY THE OWNER AND HARDWARE INSTALLER PRIOR TO WALLS BEING CLOSED IN.
6. PROVIDE PROJECT SPECIFIC WIRING DIAGRAMS FOR ALL DOORS WITH ELECTRIFIED HARDWARE.
7. AT ALL DOORS IN FIRE RATED WALLS, PROVIDE CLEAR FIRE RATED GLAZING TO MATCH DOOR RATING.
8. AT ALL GLAZING IN FIRE RATED DOOR FRAMES, MATCH RATING OF WALL.
9. AT ALL DOORS WITH ELECTRONIC ACCESS CONTROL, AT NO TIME ARE EGRESS FUNCTIONS TO BE DISABLED OR PROHIBITED, UNLESS NOTED OTHERWISE,
10. AT ALL DOUBLE DOORS, PROVIDE REMOVABLE MULLION WITH KEYED CYLINDER LOCKSET.
11. PROVIDE CLOSERS ON ALL KITCHEN DOORS, BATHROOM DOORS, FIRE-RATED DOORS, AND EXTERIOR DOORS.
12. ALL ELECTRICAL ROOM DOORS SWINGING OUTWARD FROM ELEC ROOM ARE TO HAVE PANIC HARDWARE (A)
13. ALL LOCKSETS ARE TO BE KEYED TO OWNER'S EXISTING CAMPUS MASTER KEY SYSTEM.
14. ALL HARDWARE TO BE SATIN STAINLESS STEEEL FINISH

mcmillan pazdan smith ARCHITECTURE
EDIFICE CONSTRUCTION
MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA
NORTH CAROLINA REGISTERED ARCHITECT SEAL 17168 LISA MARIE CONNELL
04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/26	REVIEW COMMENTS 1

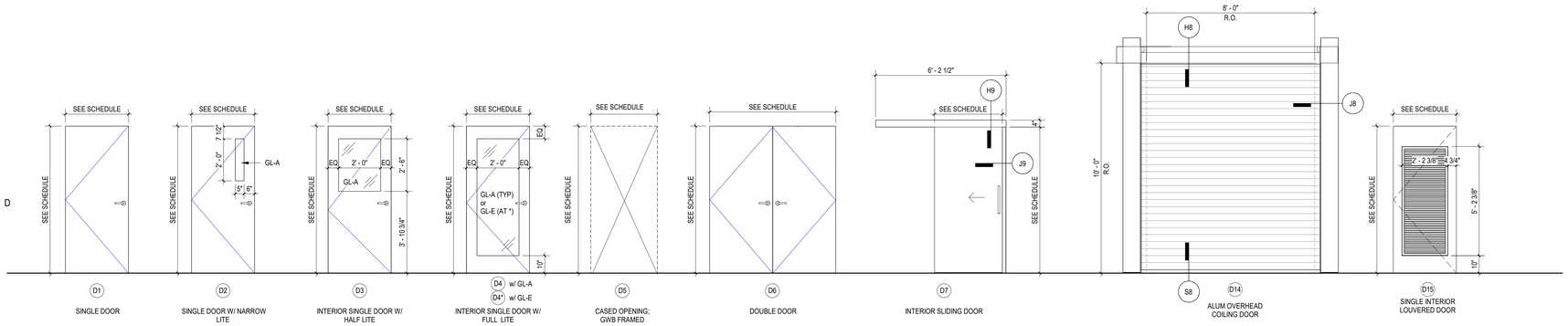
PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
DOOR SCHEDULE - LEVEL 4 & BARN DOOR DETAILS

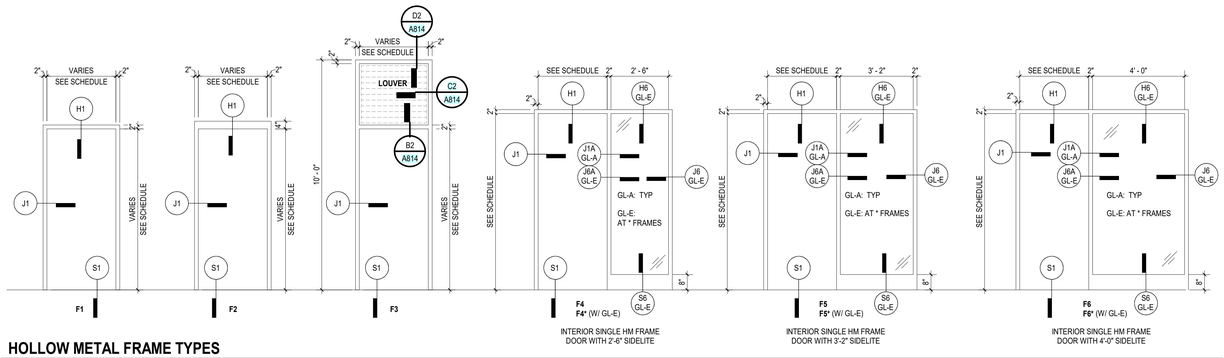
SHEET NO. PROJ. NO. 024370.01

A800C

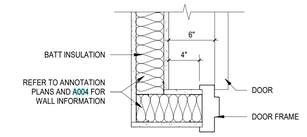
4/2/2026 12:20:28 PM - Autodesk Docs://2025.01 @ Brunswick County Health & Human Services/BCO_Brunswick County Health and Human Services_R25.1.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON AND IN CONNECTION WITH THE SPECIFIED PROJECT AND NOT TO BE USED IN WHOLE OR IN PART FOR ANY OTHER PROJECT, WITHOUT THE PRIOR WRITTEN AUTHORIZATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING COPYRIGHT, IN THE DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE WHETHER THE PROJECT FOR WHICH THEY WERE MADE IS EXECUTED OR NOT. THE DRAWINGS, SPECIFICATIONS AND COPIES THEREOF ARE NOT TO BE CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY, WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN AUTHORIZATION AND CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. IN THE EVENT OF UNAUTHORIZED REUSE OF THESE DRAWINGS BY THE OWNER OR BY ANY THIRD PARTY, THE OWNER AGREES TO INDEMNIFY AND HOLD HARMLESS MCMILLAN PAZDAN SMITH ARCHITECTURE FROM ANY AND ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING ATTORNEYS' FEES, ARISING OUT OF OR RESULTING THEREFROM. SUBMISSION OR DISTRIBUTION OF THESE DRAWINGS TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH.
ALL RIGHTS RESERVED



DOOR TYPES



HOLLOW METAL FRAME TYPES



DOOR DISTANCE TYP.

GLAZING LEGEND

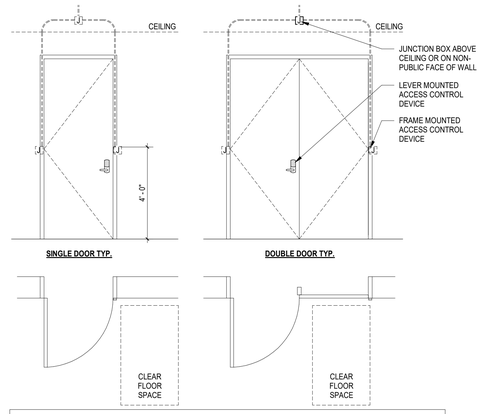
EXTERIOR GLAZING:

- **GL-1** — TEMPERED, INSULATED GLASS UNIT (IGU)
  VERTICAL STRUCTURAL SILICONE GLAZING (SSG)
  BOD: SOLARBAN 90 OR EQUAL
  COLOR: CLEAR / MIN TINT
- **GL-2** — TEMPERED, INSULATED GLASS UNIT (IGU)
  IN ALUM FRAMES
  BOD: SOLARBAN 90 OR EQUAL
  COLOR: CLEAR / MIN TINT
- **GL-3** — TEMPERED, INSULATED GLASS UNIT (IGU)
  SPANDREL GLAZING
  BOD: SOLAR BAN 90 OR EQUAL
  COLOR: OPAQUE GRAY TBD

INTERIOR GLAZING:

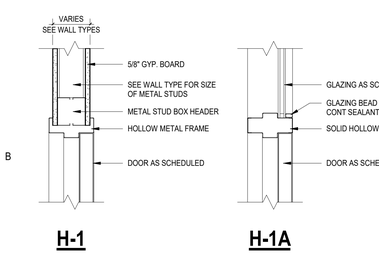
- GL-A (1/4" CLEAR TEMPERED SAFETY GLAZING) UNLESS IN FIRE RATED CONSTRUCTION
- GL-B (1/2" CLEAR LAMINATED SAFETY GLAZING)
- GL-C (3/4" CLEAR LAMINATED SAFETY GLAZING)
- GL-D (3/8" CLEAR LAMINATED SAFETY GLAZING)
- GL-E (±2" TEMPERED IGU w/ INTEGRAL BLINDS @ WINDOWS) (±1" TEMPERED IGU w/ INTEGRAL BLINDS @ DOORS)
- GL-F (1/4" TEMPERED 1-WAY VISION GLAZING)

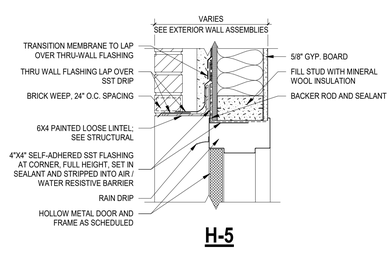
*** REFERENCE INTERIOR AND EXTERIOR ELEVATIONS FOR WINDOW / CURTAIN WALL CONDITIONS**

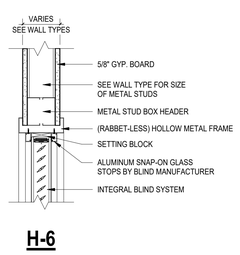


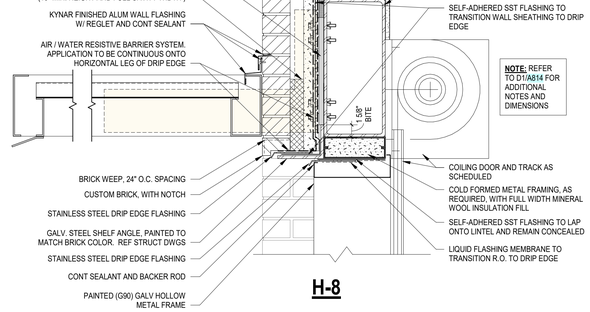
NOTES:
1. ACCESS CONTROL CONTRACTOR IS TO PROVIDE PROJECT SPECIFIC WIRING DIAGRAMS FOR EACH UNIQUE DOOR TYPE.
2. EXPOSED CONDUITS FOR ACCESS CONTROL ARE NOT PERMITTED.

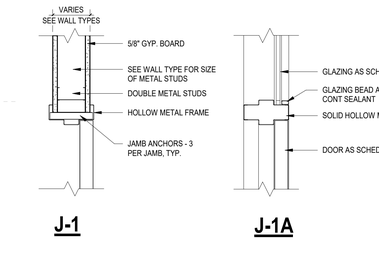
CARD READER WIRING DETAIL

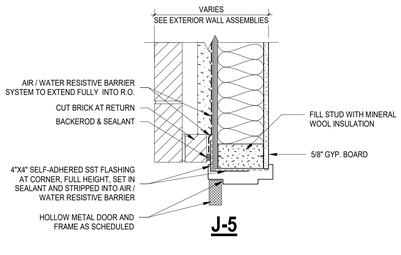


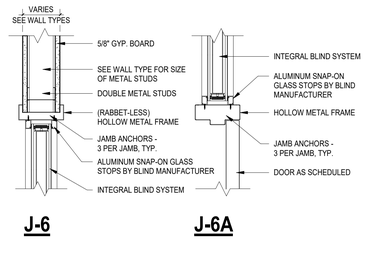


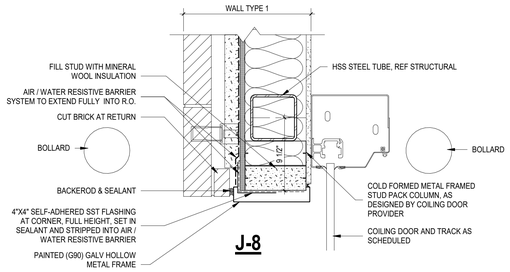


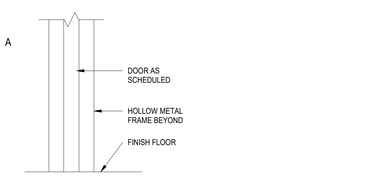


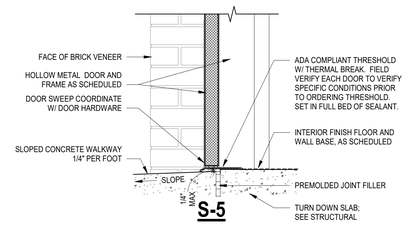


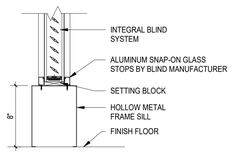


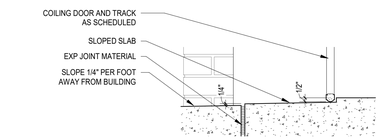












DOOR JAMB AND SILL DETAILS

mcmillan pazdan smith ARCHITECTURE
EDIFICE CONSTRUCTION
MPS ARCHITECTS, PC — CERT. NO. 54314 — REGISTERED ARCHITECTURAL CORPORATION — CHARLOTTE, NORTH CAROLINA
NORTH CAROLINA REGISTERED — SEAL 17165 — LEE MARIE CONNOLLY — 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

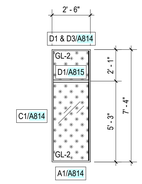
SHEET ISSUE:

NO.	DATE	DESCRIPTION

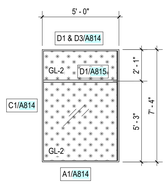
PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: A. MYERS, D.KIM

SHEET TITLE:
DOOR FRAME ELEVATIONS & TYPES

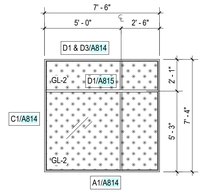
SHEET NO. A801
PROJ. NO. 024370.01



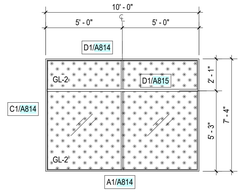
WINDOW TYPE - W01



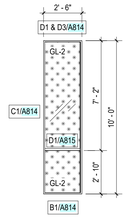
WINDOW TYPE - W02



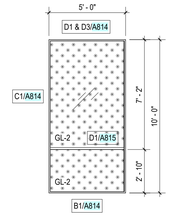
WINDOW TYPE - W03



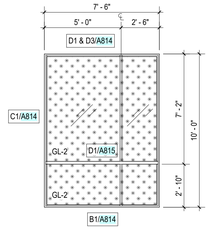
WINDOW TYPE - W04



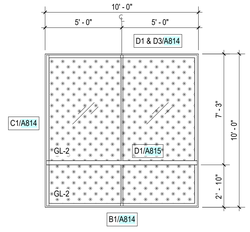
WINDOW TYPE - W05



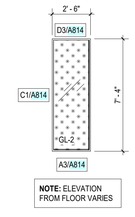
WINDOW TYPE - W06



WINDOW TYPE - W07

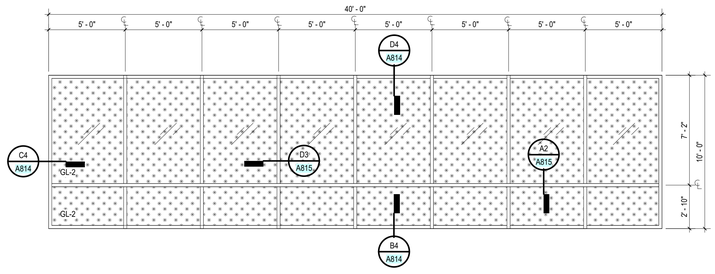


WINDOW TYPE - W08

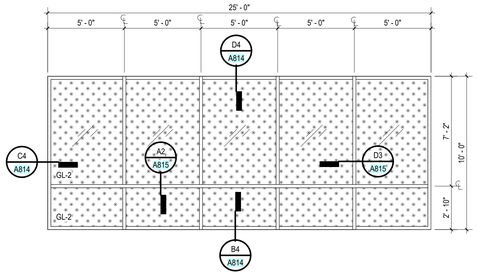


NOTE: ELEVATION FROM FLOOR VARIES

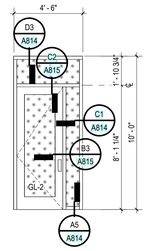
WINDOW TYPE - W10



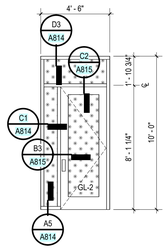
STOREFRONT TYPE - ST01



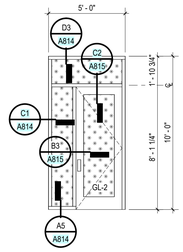
STOREFRONT TYPE - ST02



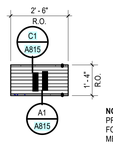
STOREFRONT TYPE - ST04



STOREFRONT TYPE - ST05



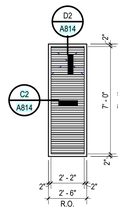
STOREFRONT TYPE - ST06



NOTE:
PROVIDE INSULATED BLANK OFF PANELS FOR PORTIONS OF LOUVER NOT USED BY MECHANICAL SYSTEM

LOUVER TO MATCH SURROUNDING BRICK

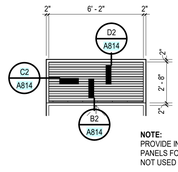
L1 - LOUVER ELEVATION - WEST AT LEVEL 1



NOTE:
PROVIDE INSULATED BLANK OFF PANELS FOR PORTIONS OF LOUVER NOT USED BY MECHANICAL SYSTEM

LOUVER TO MATCH FRAME COLOR

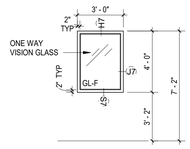
L2 - LOUVER ELEVATION - (PUMP ROOM)



NOTE:
PROVIDE INSULATED BLANK OFF PANELS FOR PORTIONS OF LOUVER NOT USED BY MECHANICAL SYSTEM

LOUVER TO MATCH FRAME COLOR

L3 - LOUVER ELEVATION - AT DOOR 1419



WINDOW TYPE - HM01

GLAZING LEGEND

EXTERIOR GLAZING:

	GL-1	TEMPERED, INSULATED GLASS UNIT (IGU) VERTICAL STRUCTURAL SILICONE GLAZING (SSG) BOD: SOLARBAN 90 OR EQUAL COLOR: CLEAR / MIN TINT
	GL-2	TEMPERED, INSULATED GLASS UNIT (IGU) IN ALUM FRAMES BOD: SOLARBAN 90 OR EQUAL COLOR: CLEAR / MIN TINT
	GL-3	TEMPERED, INSULATED GLASS UNIT (IGU) SPANDREL GLAZING BOD: SOLAR BAN 90 OR EQUAL COLOR: OPAQUE GRAY TBD

INTERIOR GLAZING:

- GL-A (1/4" CLEAR TEMPERED SAFETY GLAZING) UNLESS IN FIRE RATED CONSTRUCTION
- GL-B (1/2" CLEAR LAMINATED SAFETY GLAZING)
- GL-C (3/4" CLEAR LAMINATED SAFETY GLAZING)
- GL-D (3/8" CLEAR LAMINATED SAFETY GLAZING)
- GL-E (±2" TEMPERED IGU w/ INTEGRAL BLINDS @ WINDOWS) (±1" TEMPERED IGU w/ INTEGRAL BLINDS @ DOORS)
- GL-F (1/4" TEMPERED 1-WAY VISION GLAZING)

* REFERENCE INTERIOR AND EXTERIOR ELEVATIONS FOR WINDOW / CURTAIN WALL CONDITIONS

ALL DRAWINGS, SPECIFICATIONS AND CORE'S HEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND ARE NOT TO BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALL REPRODUCTIONS DESTROYED UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE OR OTHER COMBINED HA COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED.

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, PC
CERT. NO. 54314
REGISTERED ARCHITECTURAL CORPORATION
CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED
SEAL 17165
M. MARIE CONNELLY
02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: D. KIM

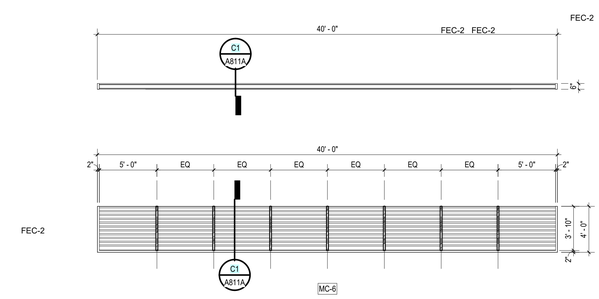
SHEET TITLE:

WINDOW AND LOUVER TYPES

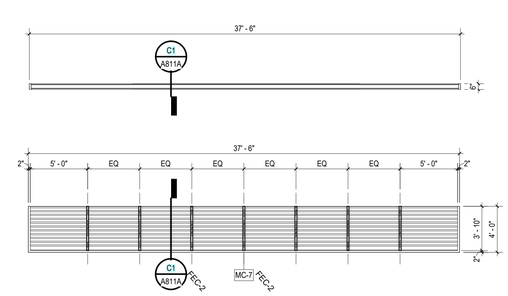
SHEET NO. A811

PROJ. NO. 024370.01

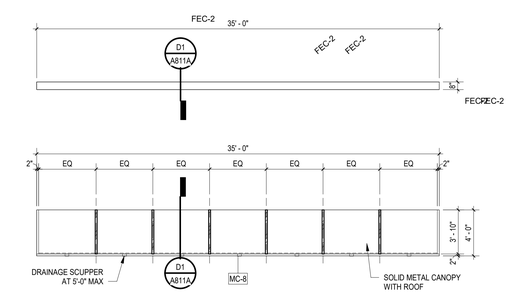
4/3/2026 11:32:28 PM - Autodesk Docs://2025.03 @ Brunswick County Health & Human Services/MPS_Brunswick County Health and Human Services_R25_v1.rvt
DIRECTORS' THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED FOR ANY OTHER PROJECT. WITH THE EXCEPTION OF SUBCONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED
OR SUITABLE ACCURATED OR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES
IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH.
ALL RIGHTS RESERVED
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED FOR ANY OTHER PROJECT. WITH THE EXCEPTION OF SUBCONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED
OR SUITABLE ACCURATED OR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES
IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH.
ALL RIGHTS RESERVED



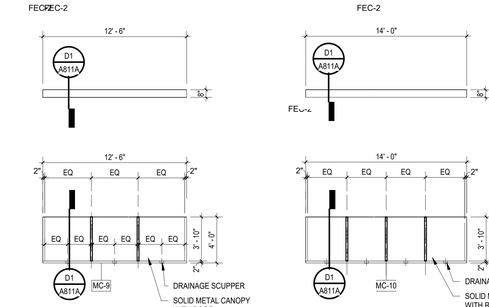
B5 A811A **TYPE MC-6**
3/16" = 1'-0"



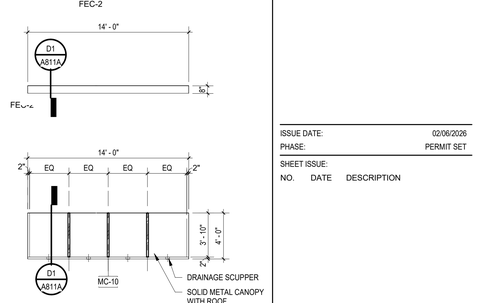
B4 A811A **TYPE MC-7**
3/16" = 1'-0"



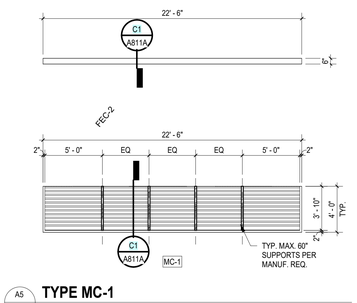
B3 A811A **TYPE MC-8**
3/16" = 1'-0"



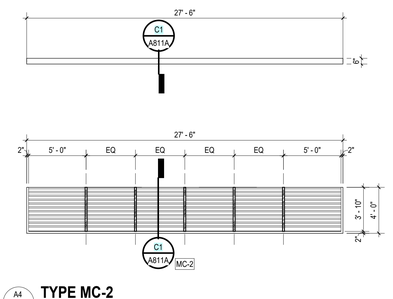
B2 A811A **TYPE MC-9**
3/16" = 1'-0"



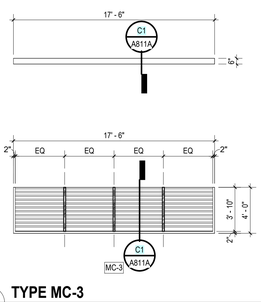
B1 A811A **TYPE MC-10**
3/16" = 1'-0"



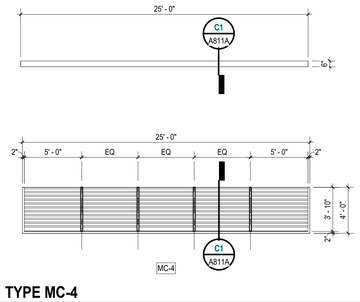
A5 A811A **TYPE MC-1**
3/16" = 1'-0"



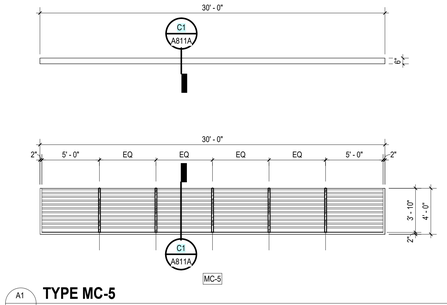
A4 A811A **TYPE MC-2**
3/16" = 1'-0"



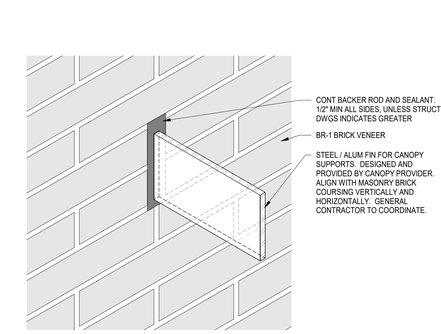
A3 A811A **TYPE MC-3**
3/16" = 1'-0"



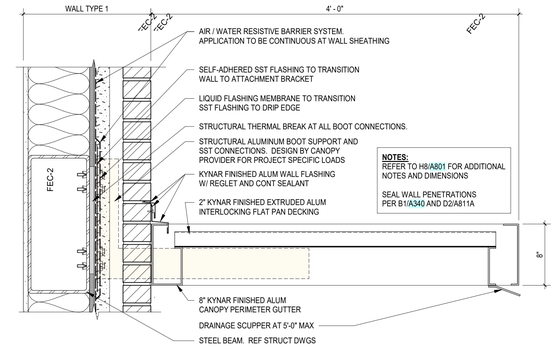
A2 A811A **TYPE MC-4**
3/16" = 1'-0"



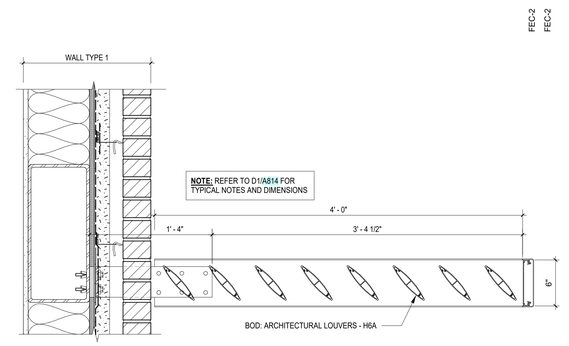
A1 A811A **TYPE MC-5**
3/16" = 1'-0"



D2 A811A **SEALANT AT BLADE PENETRATIONS**
3" = 1'-0"



D1 A811A **CANOPY SECTION DETAIL**
1 1/2" = 1'-0"



C1 A811A **SUN CONTROL DEVICE SECTION DETAIL**
1 1/2" = 1'-0"

mcmillan
pazdan
smith
ARCHITECTURE

EDIFICE
CONSTRUCTION

MPS ARCHITECTS, P.C.
CERTIFIED ARCHITECTURAL CORPORATION
CERT. NO.
54314
CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA
REGISTERED
SEAL
37165
LT. MARIE CONNOLLY
02/09/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

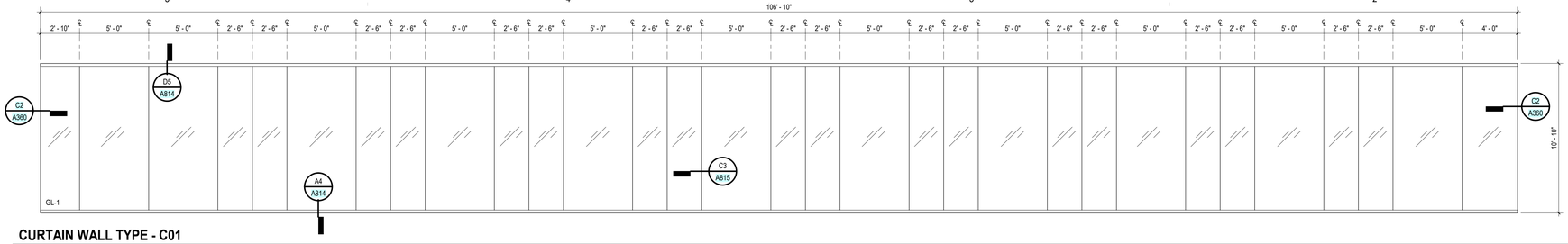
PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: D. KIM

SHEET TITLE:
SUNSHADE TYPES AND DETAILS

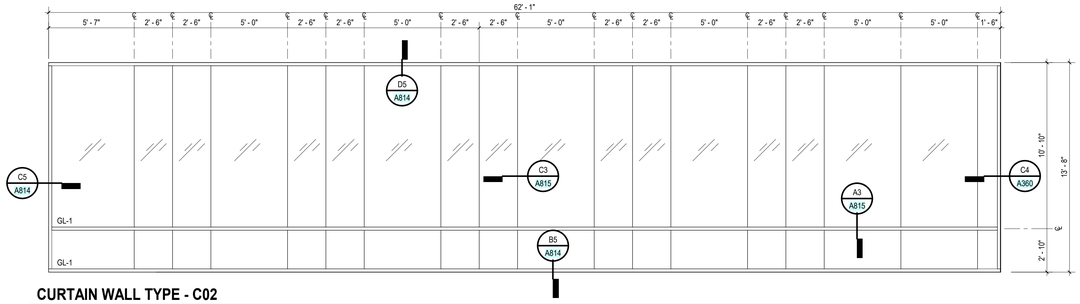
SHEET NO. A811A
PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON AND IN RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF SIGNATURE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. © COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

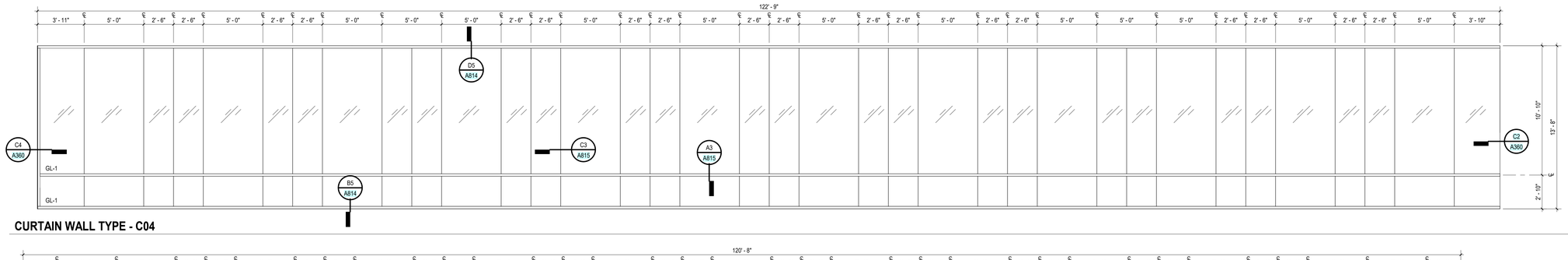
4/2/2026 12:21:17 PM Architect Revit MODIFIED By: Brunswick County Health & Human Services@BCG - Brunswick County Health and Human Service_R25.1.rvt



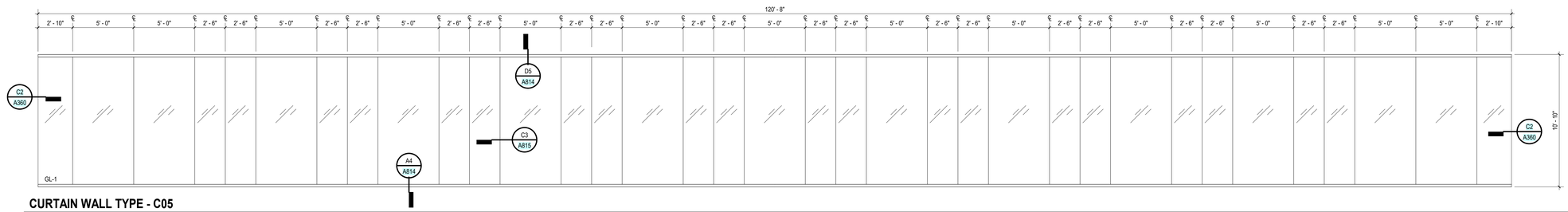
CURTAIN WALL TYPE - C01



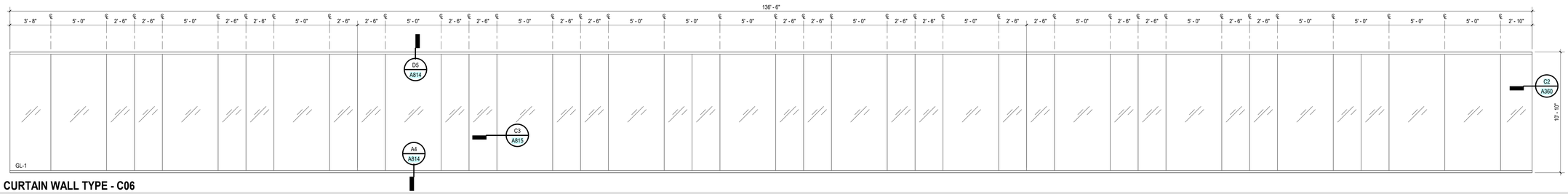
CURTAIN WALL TYPE - C02



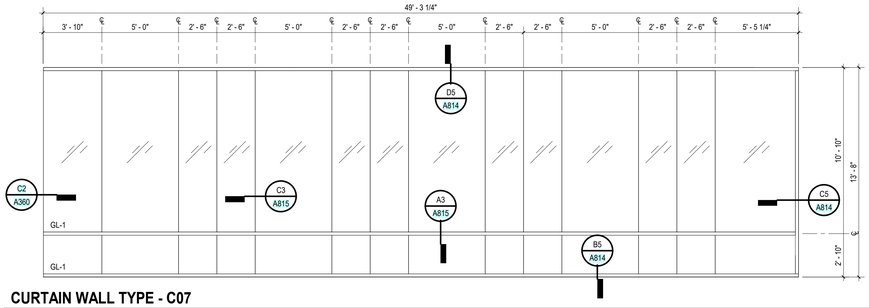
CURTAIN WALL TYPE - C04



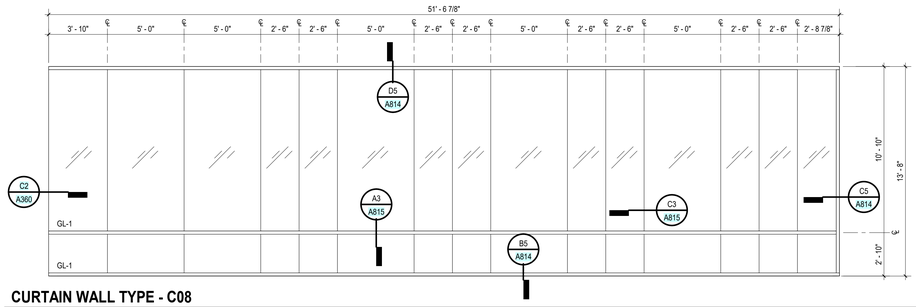
CURTAIN WALL TYPE - C05



CURTAIN WALL TYPE - C06



CURTAIN WALL TYPE - C07



CURTAIN WALL TYPE - C08

GLAZING LEGEND

EXTERIOR GLAZING:

	GL-1	TEMPERED, INSULATED GLASS UNIT (IGU) VERTICAL STRUCTURAL SILICONE GLAZING (SSG) BOD: SOLARBAN 90 OR EQUAL COLOR: CLEAR / MIN TINT
	GL-2	TEMPERED, INSULATED GLASS UNIT (IGU) IN ALUM FRAMES BOD: SOLARBAN 90 OR EQUAL COLOR: CLEAR / MIN TINT
	GL-3	TEMPERED, INSULATED GLASS UNIT (IGU) SPANDREL GLAZING BOD: SOLAR BAN 90 OR EQUAL COLOR: OPAQUE GRAY TBD

INTERIOR GLAZING:

- GL-A (1/4" CLEAR TEMPERED SAFETY GLAZING) UNLESS IN FIRE RATED CONSTRUCTION
- GL-B (1/2" CLEAR LAMINATED SAFETY GLAZING)
- GL-C (3/4" CLEAR LAMINATED SAFETY GLAZING)
- GL-D (3/8" CLEAR LAMINATED SAFETY GLAZING)
- GL-E (±2" TEMPERED IGU w/ INTEGRAL BLINDS @ WINDOWS) (±1" TEMPERED IGU w/ INTEGRAL BLINDS @ DOORS)
- GL-F (1/4" TEMPERED 1-WAY VISION GLAZING)

* REFERENCE INTERIOR AND EXTERIOR ELEVATIONS FOR WINDOW / CURTAIN WALL CONDITIONS

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERT. NO. 54314 REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17165 MARIE COMMERCIAL 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: D. KIM / A. MYERS

SHEET TITLE:
CURTAIN WALL TYPES

SHEET NO. A812

PROJ. NO. 024370.01

GLAZING LEGEND

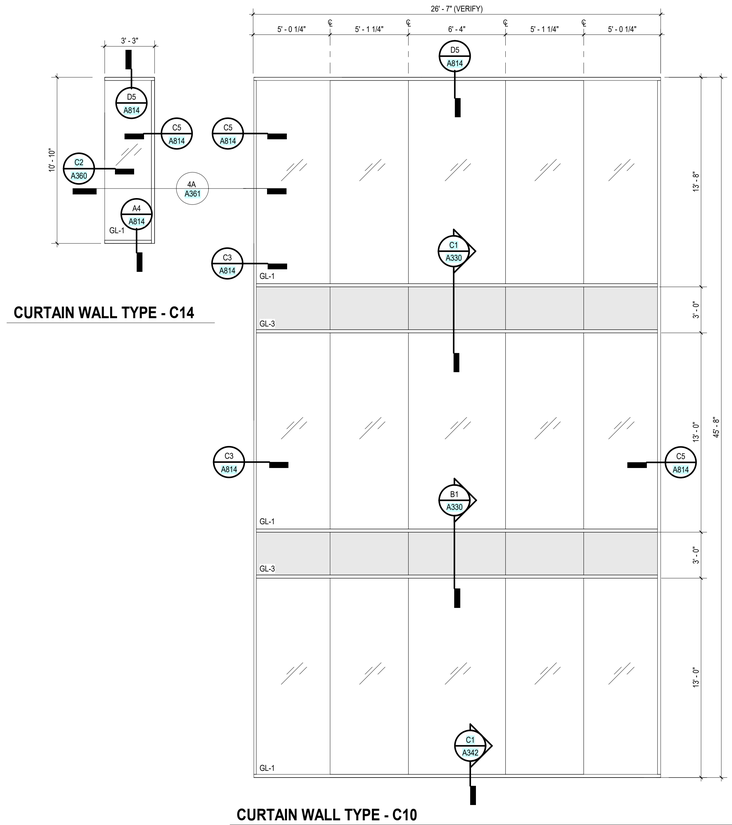
EXTERIOR GLAZING:

	GL-1	TEMPERED, INSULATED GLASS UNIT (IGU) VERTICAL STRUCTURAL SILICONE GLAZING (SSG) BOD: SOLARBAN 90 OR EQUAL COLOR: CLEAR / MIN TINT
	GL-2	TEMPERED, INSULATED GLASS UNIT (IGU) IN ALUM FRAMES BOD: SOLARBAN 90 OR EQUAL COLOR: CLEAR / MIN TINT
	GL-3	TEMPERED, INSULATED GLASS UNIT (IGU) SPANDREL GLAZING BOD: SOLAR BAN 90 OR EQUAL COLOR: OPAQUE GRAY TBD

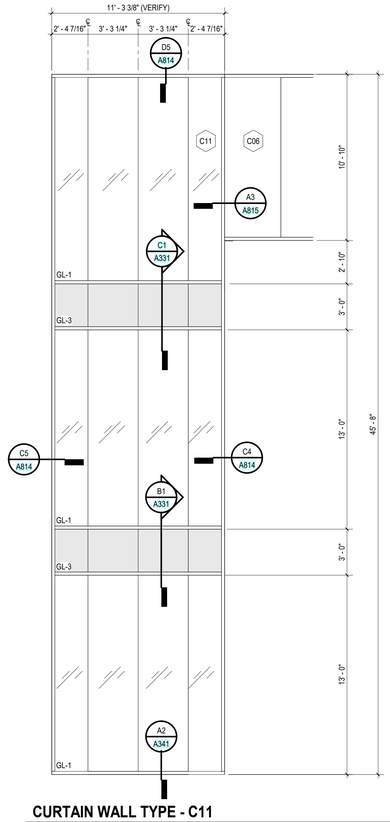
INTERIOR GLAZING:

- GL-A (1/4" CLEAR TEMPERED SAFETY GLAZING)
  UNLESS IN FIRE RATED CONSTRUCTION
- GL-B (1/2" CLEAR LAMINATED SAFETY GLAZING)
- GL-C (3/4" CLEAR LAMINATED SAFETY GLAZING)
- GL-D (3/8" CLEAR LAMINATED SAFETY GLAZING)
- GL-E (±2" TEMPERED IGU w/ INTEGRAL BLINDS @ WINDOWS)
  (±1" TEMPERED IGU w/ INTEGRAL BLINDS @ DOORS)
- GL-F (1/4" TEMPERED 1-WAY VISION GLAZING)

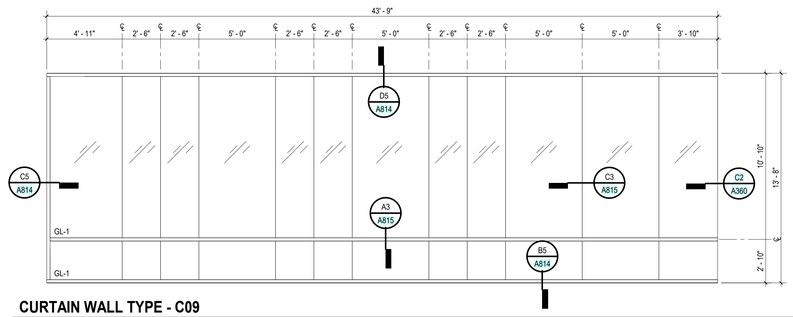
* REFERENCE INTERIOR AND EXTERIOR ELEVATIONS FOR WINDOW / CURTAIN WALL CONDITIONS



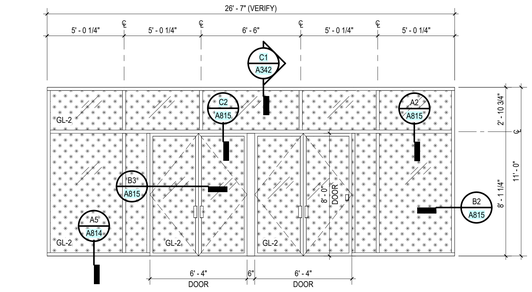
CURTAIN WALL TYPE - C14



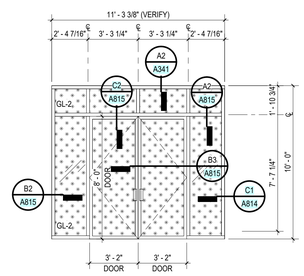
CURTAIN WALL TYPE - C11



CURTAIN WALL TYPE - C09



STOREFRONT TYPE - ST03



STOREFRONT TYPE - ST07

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON AND IN RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF LONG CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED ON REQUEST. ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING COPYRIGHT, IN THE MATERIALS ARE HEREBY EXPRESSLY RESERVED. NO PART OF THESE MATERIALS MAY BE COPIED, DISCLOSED, FILED WITH GOVERNMENTAL AUTHORITIES, PUBLISHED OR USED IN ANY WAY IN CONNECTION WITH THE PROJECT OR WITH THE PROJECT'S MARKETING OR PROMOTION WITHOUT THE PRIOR WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE OR OTHER COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. © COPYRIGHT 2025 MCMILLAN PAZDAN SMITH ARCHITECTURE
ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17108 MARIE CONNELLY 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

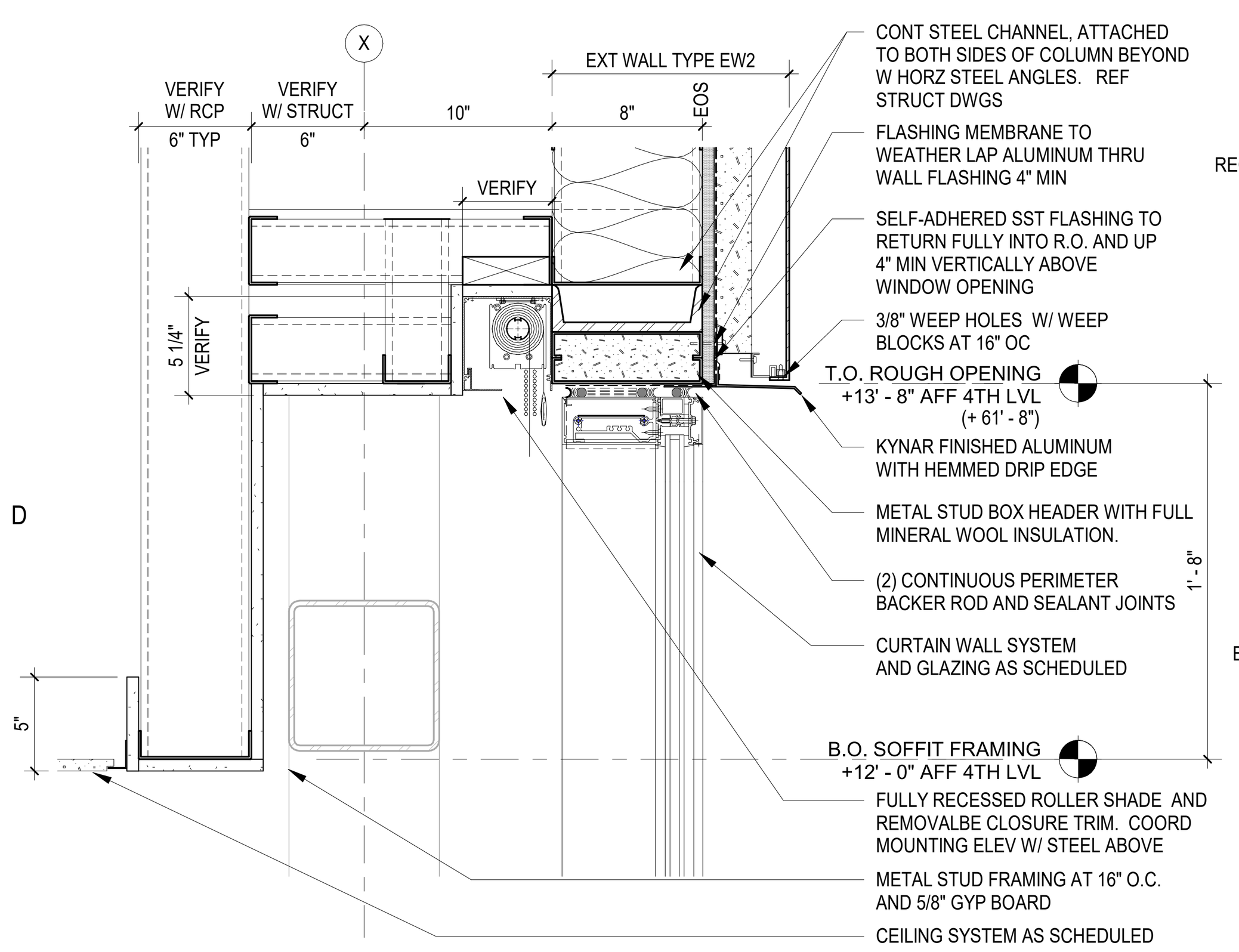
PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: D. KIM / A. MYERS

SHEET TITLE:

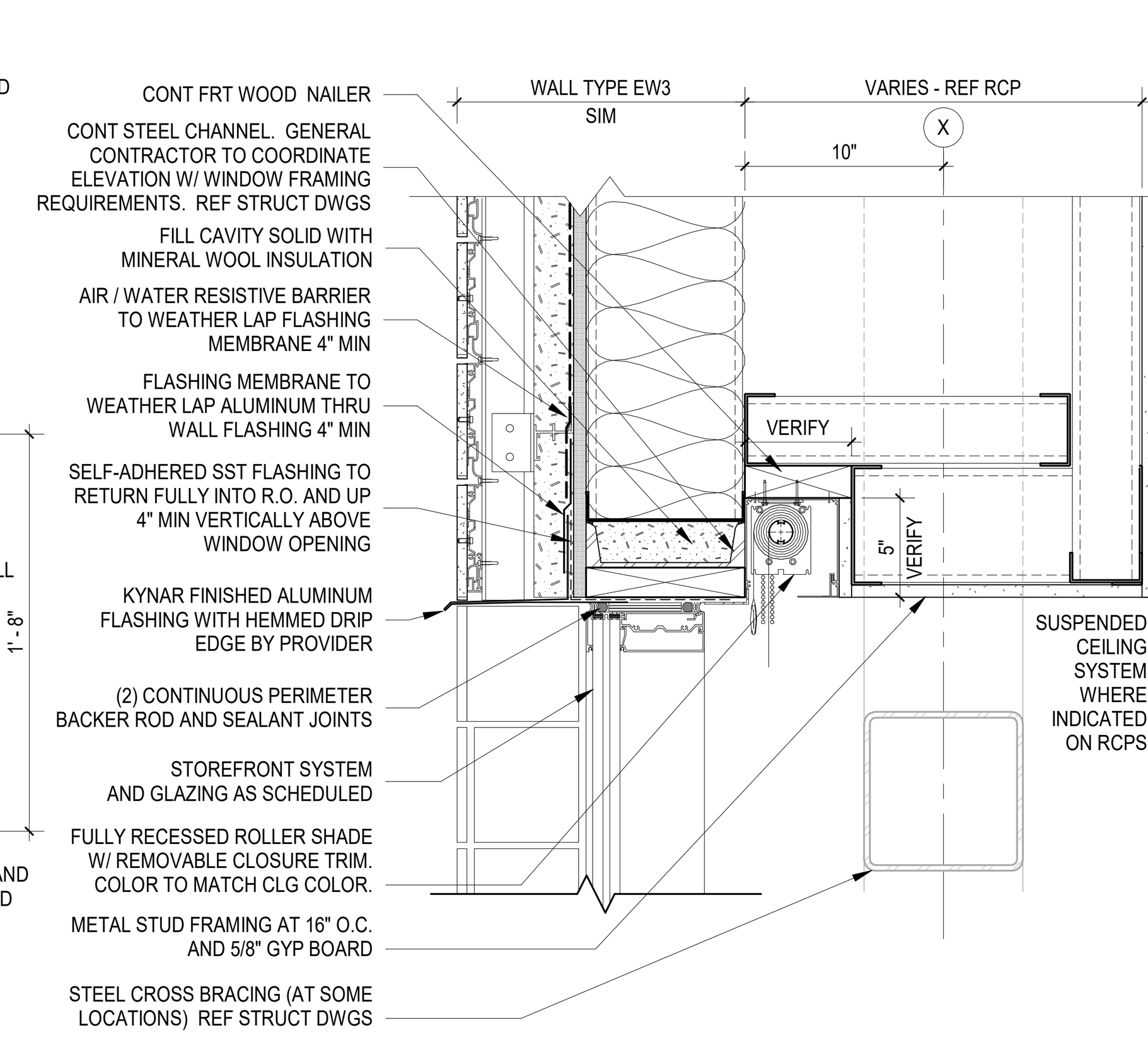
CURTAIN & STOREFRONT WALL TYPES

SHEET NO. A813

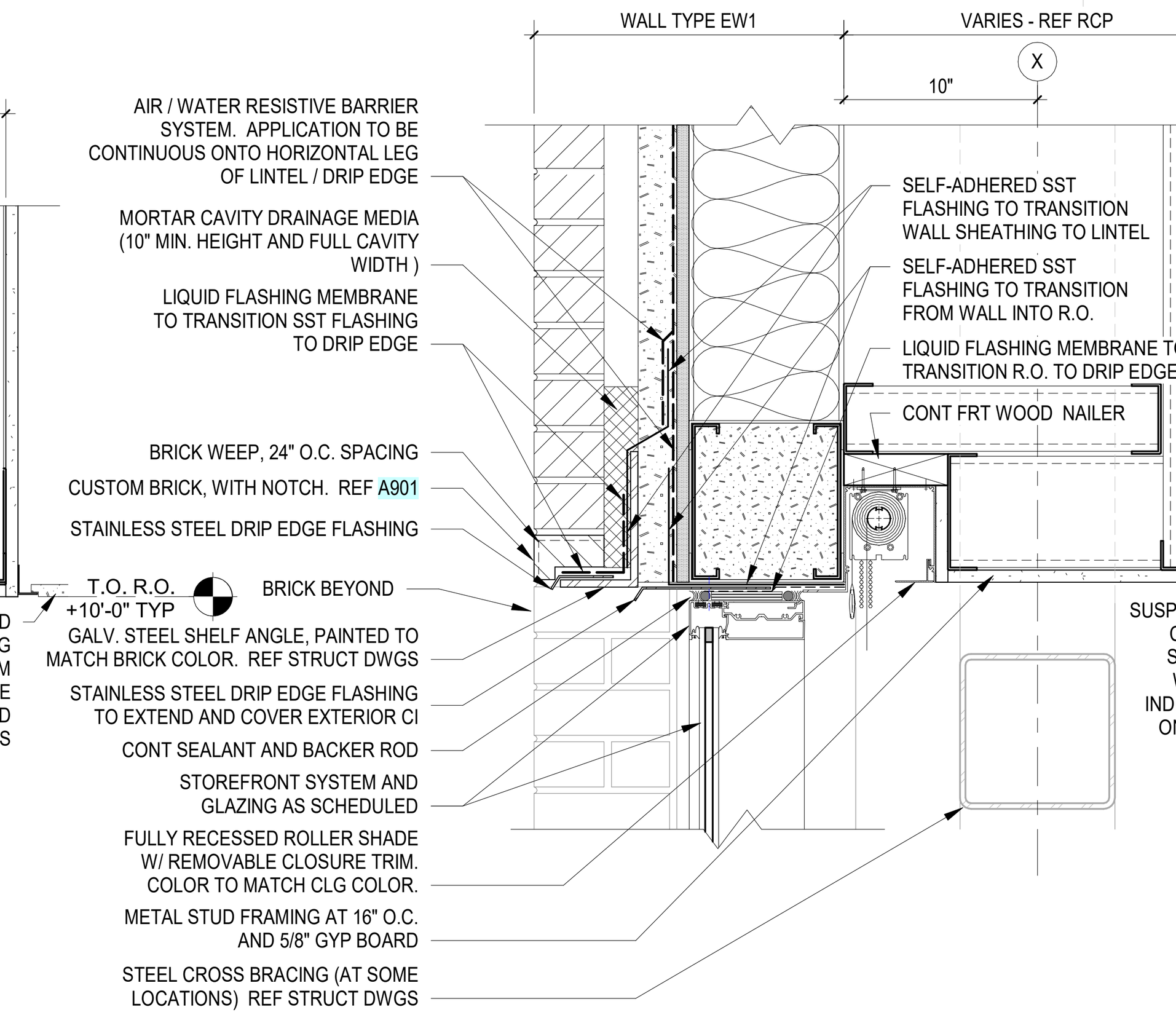
PROJ. NO. 024370.01



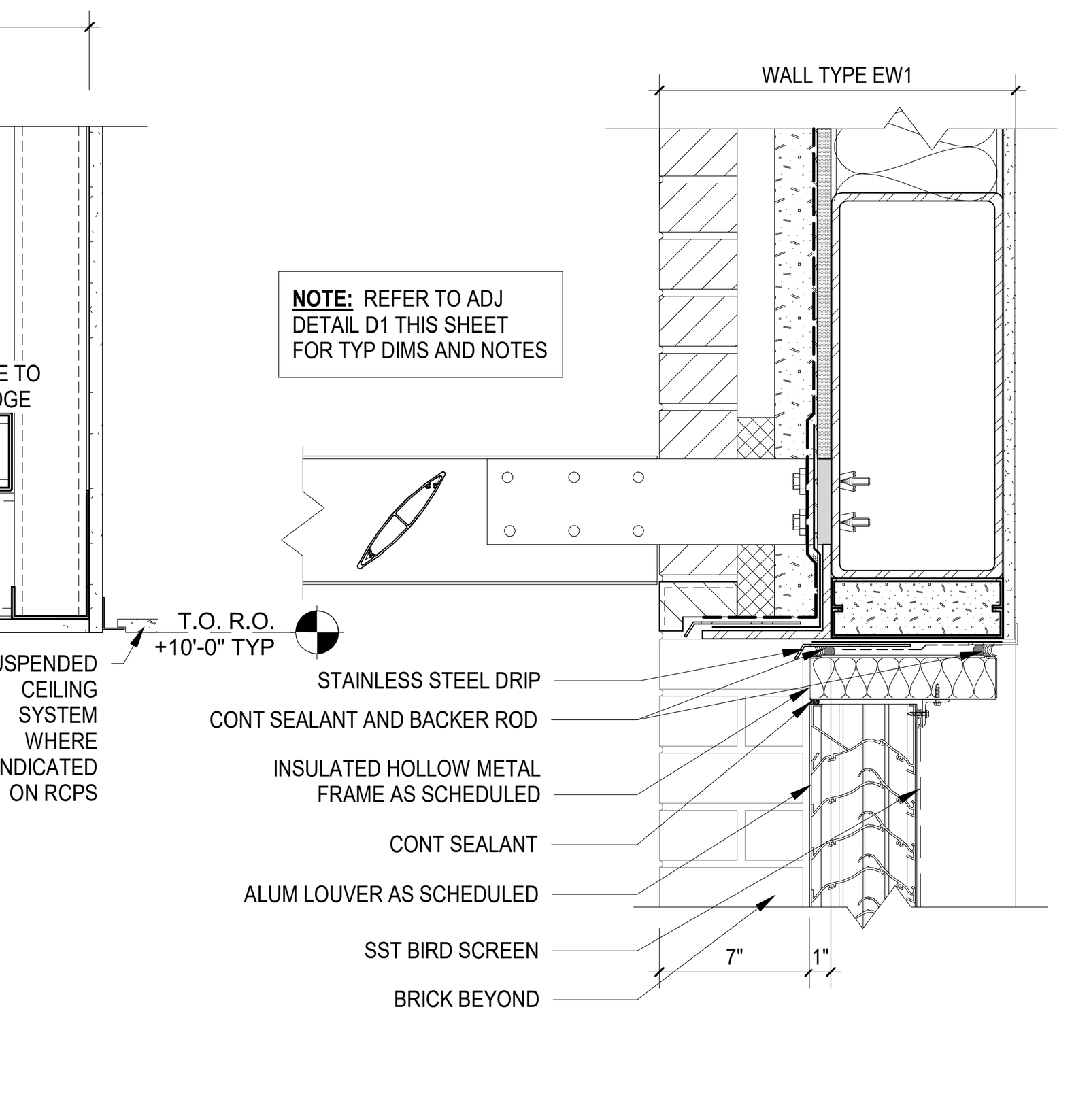
D5 A814 **WALL TYPE EW2 - CURTAIN WALL HEAD**
1 1/2" = 1'-0"



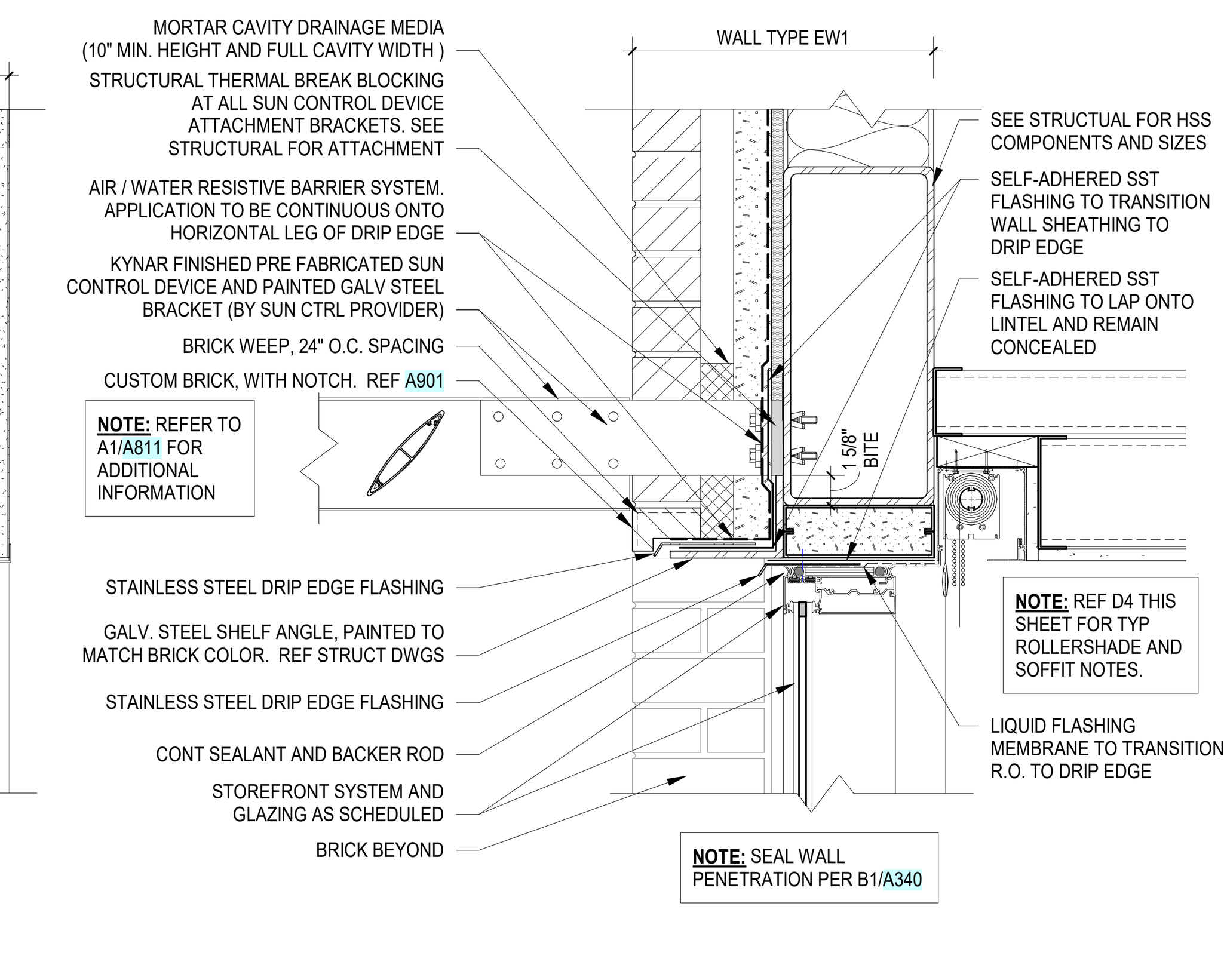
D4 A814 **WALL TYPE EW3 - STOREFRONT WALL HEAD**
1 1/2" = 1'-0"



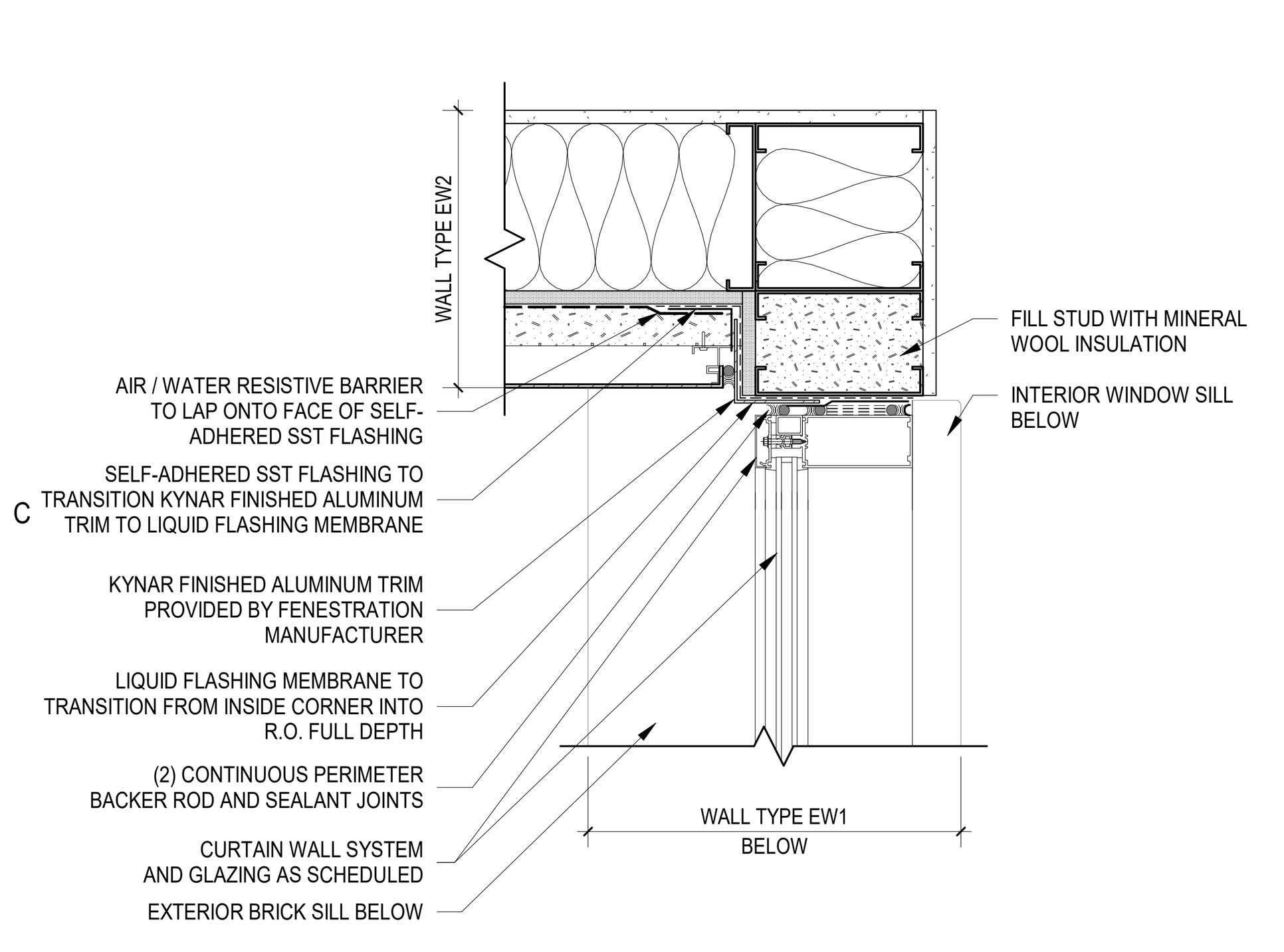
D3 A814 **WALL TYPE EW1 - STOREFRONT HEAD**
1 1/2" = 1'-0"



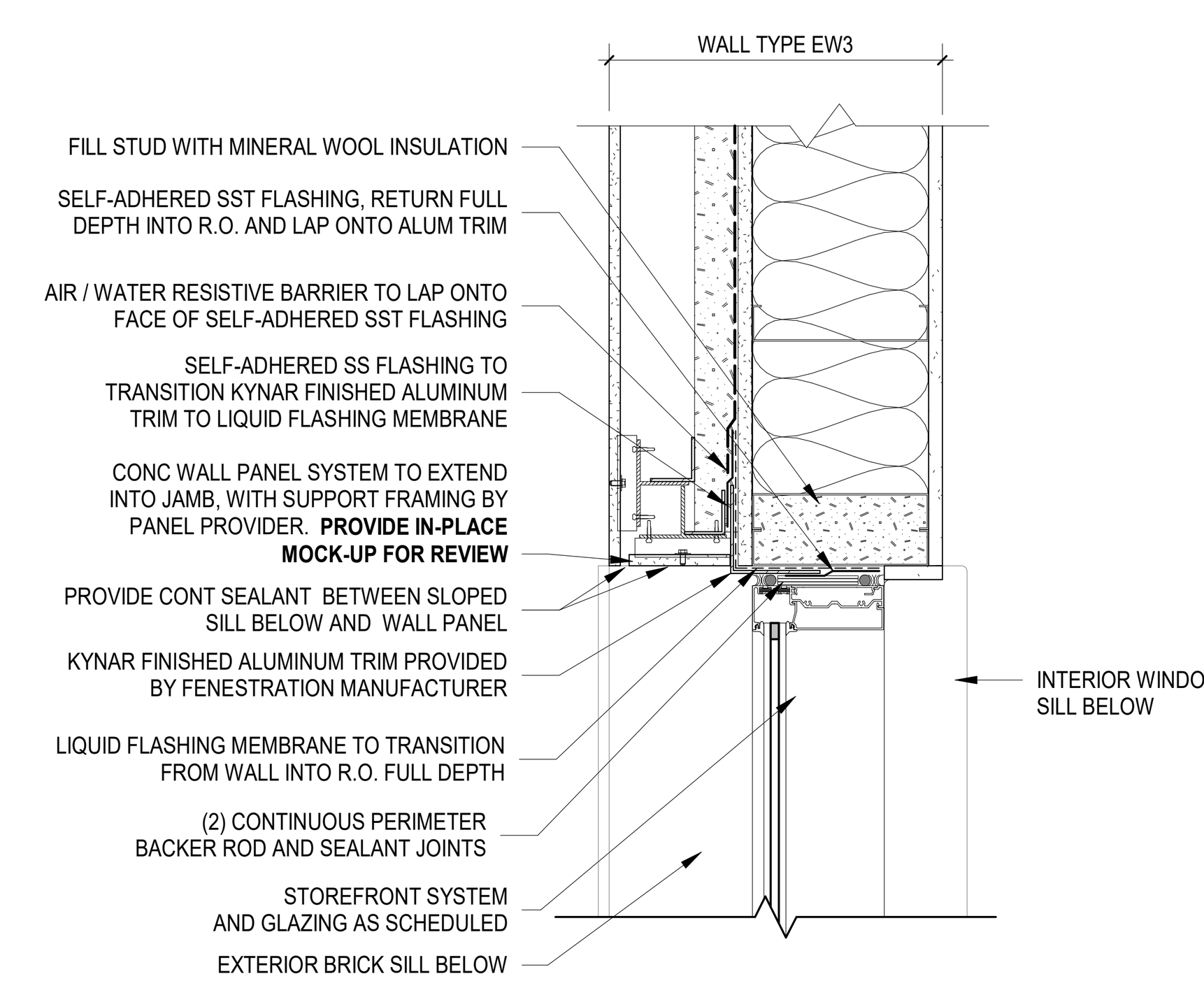
D2 A814 **WALL TYPE EW1 - LOUVER HEAD & SUN CTRL**
1 1/2" = 1'-0"



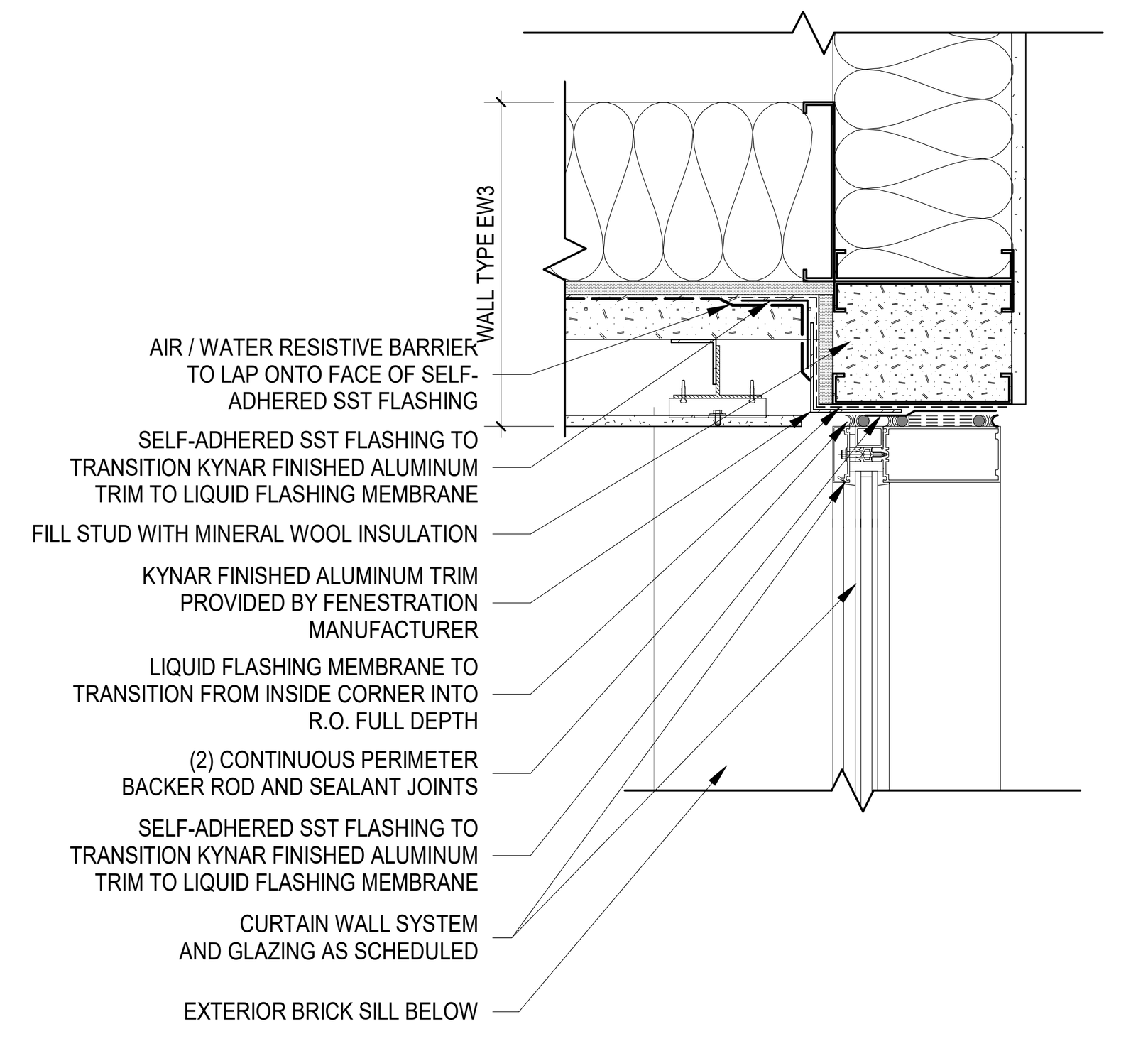
D1 A814 **WALL TYPE EW1 - STOREFRONT HEAD & SUN CONTROL DEVICE**
1 1/2" = 1'-0"



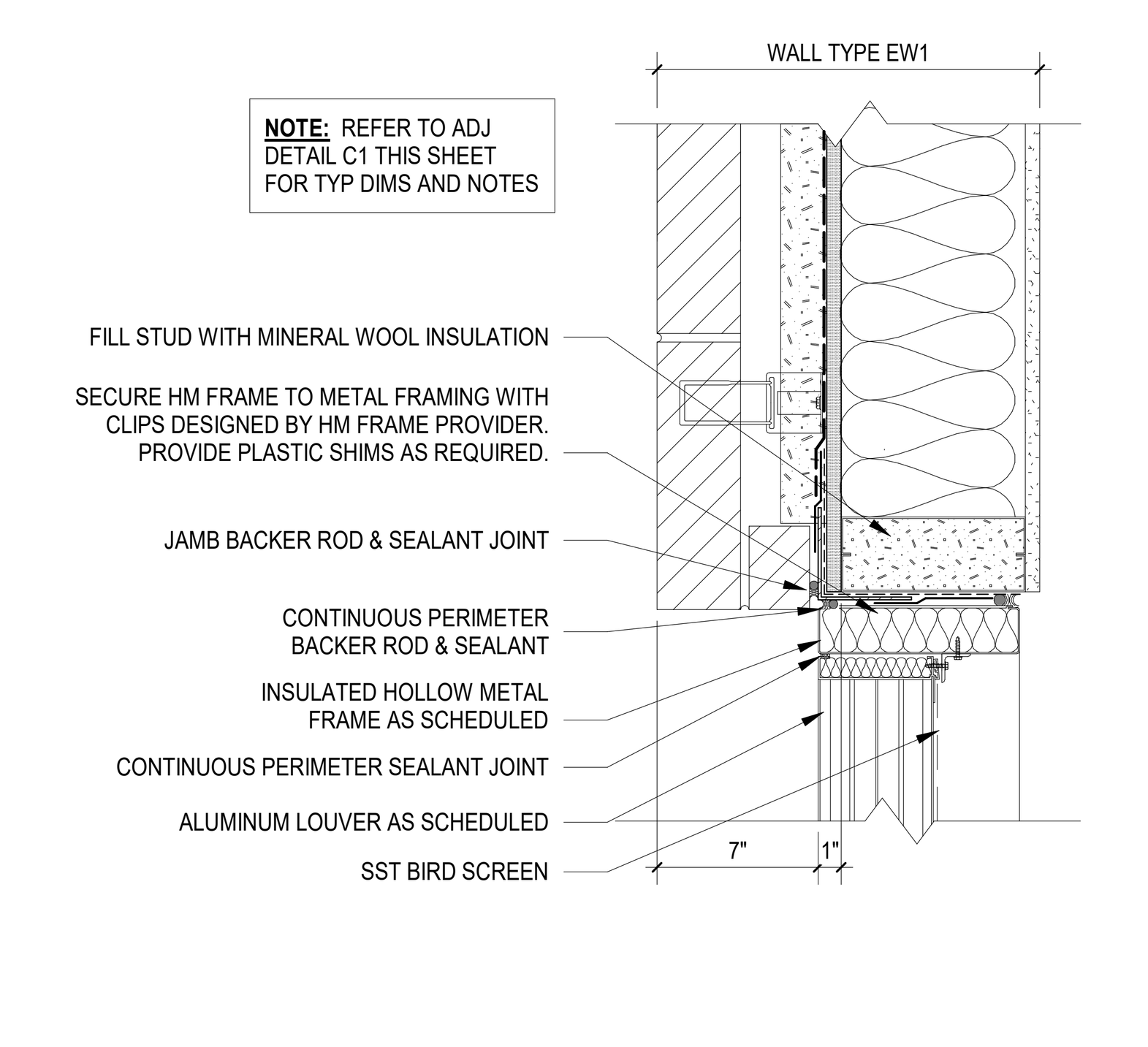
C5 A814 **WALL TYPE EW2 - CURTAIN WALL JAMB**
1 1/2" = 1'-0"



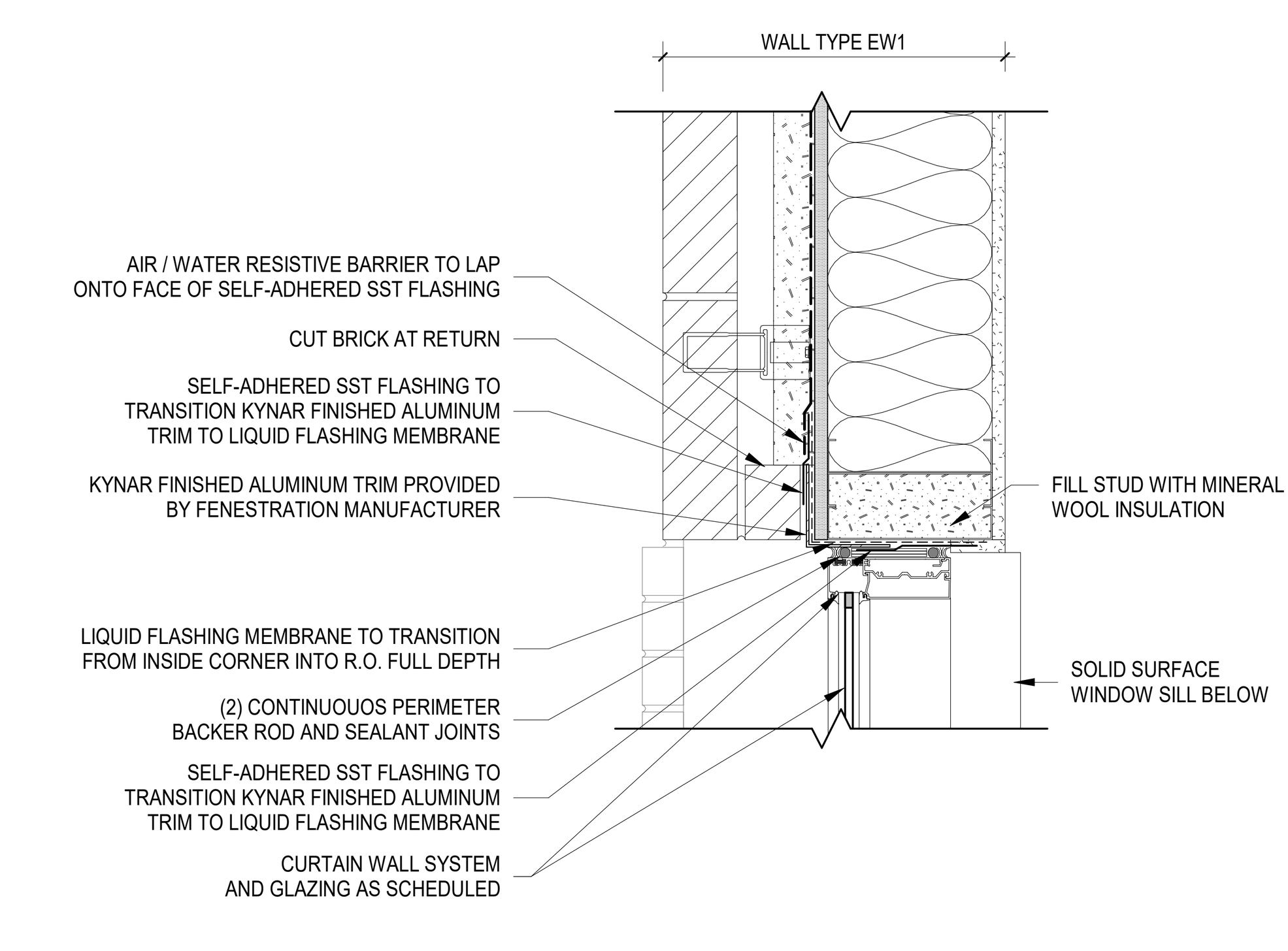
C4 A814 **WALL TYPE EW3 - STOREFRONT WALL JAMB**
1 1/2" = 1'-0"



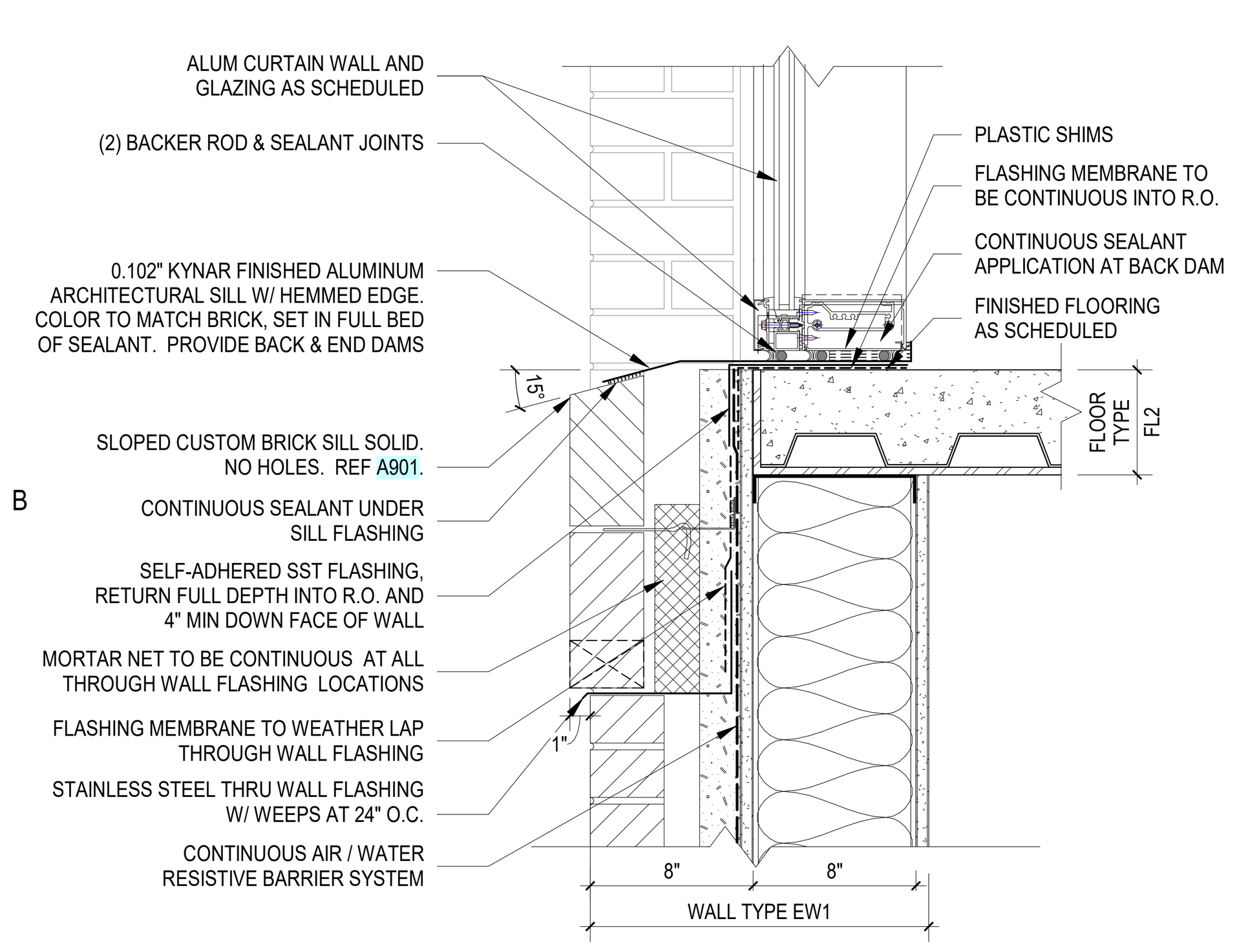
C3 A814 **WALL TYPE EW3 - CURTAIN WALL JAMB - INSIDE CORNER**
1 1/2" = 1'-0"



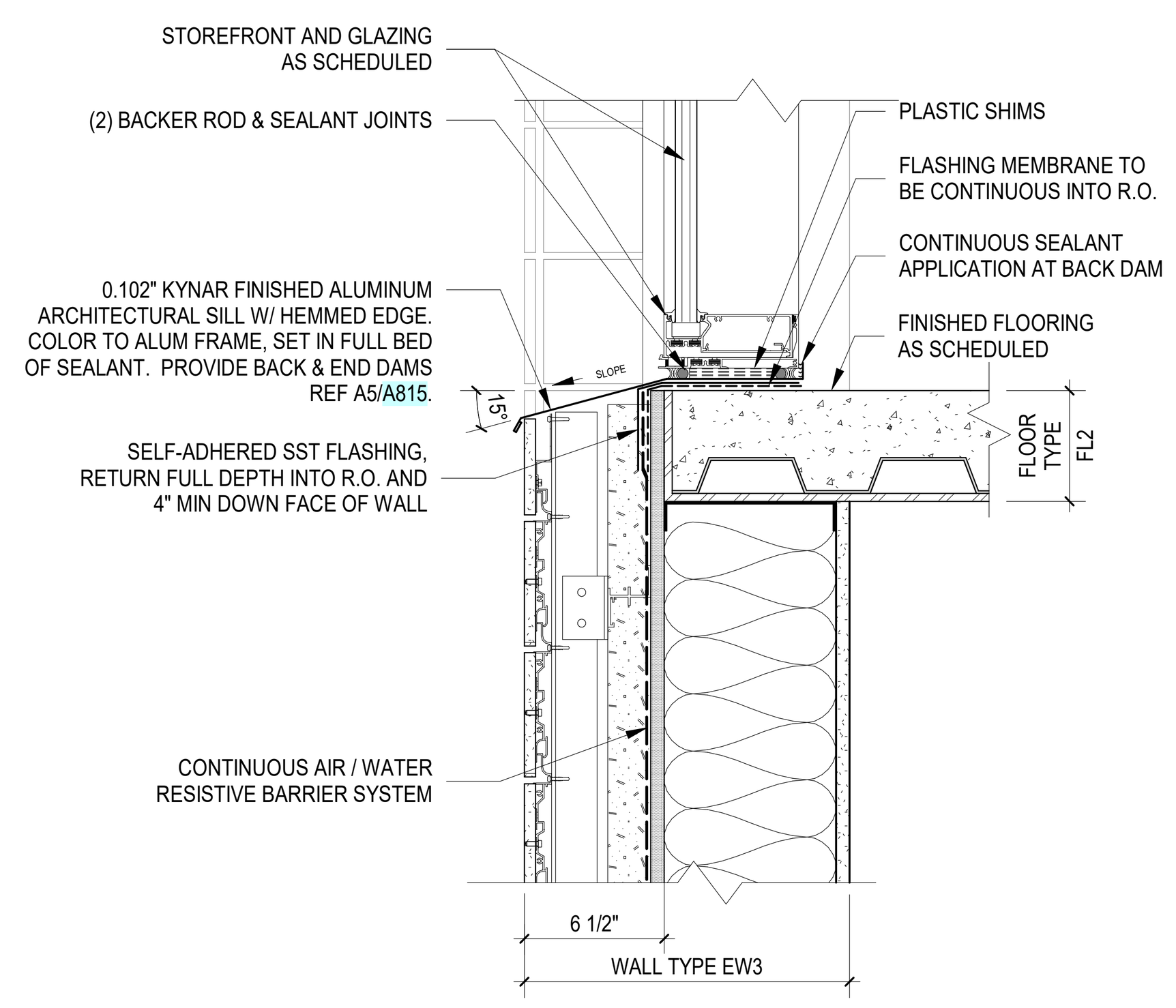
C2 A814 **WALL TYPE EW1 - LOUVER JAMB**
1 1/2" = 1'-0"



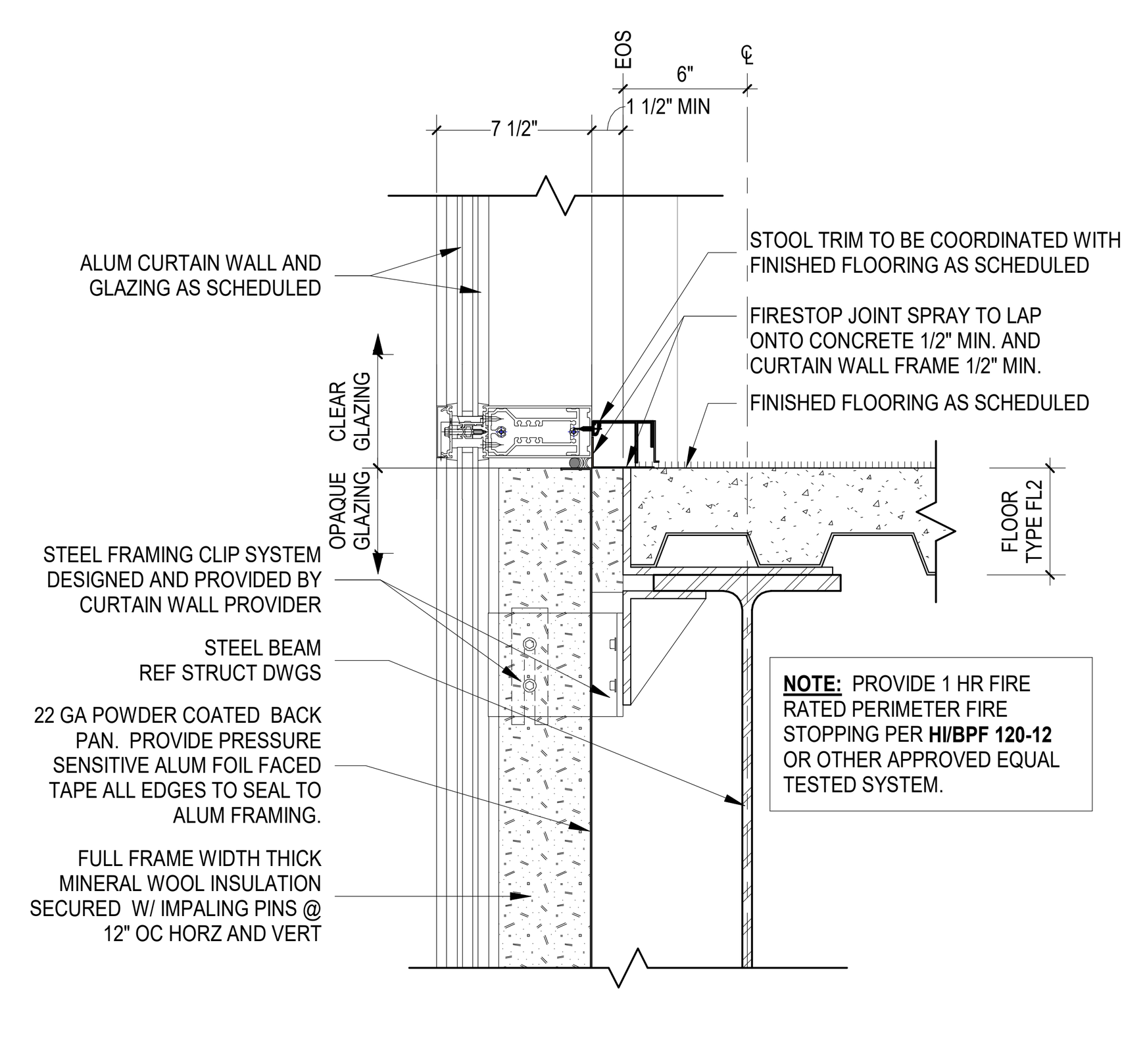
C1 A814 **WALL TYPE EW1 - STOREFRONT JAMB**
1 1/2" = 1'-0"



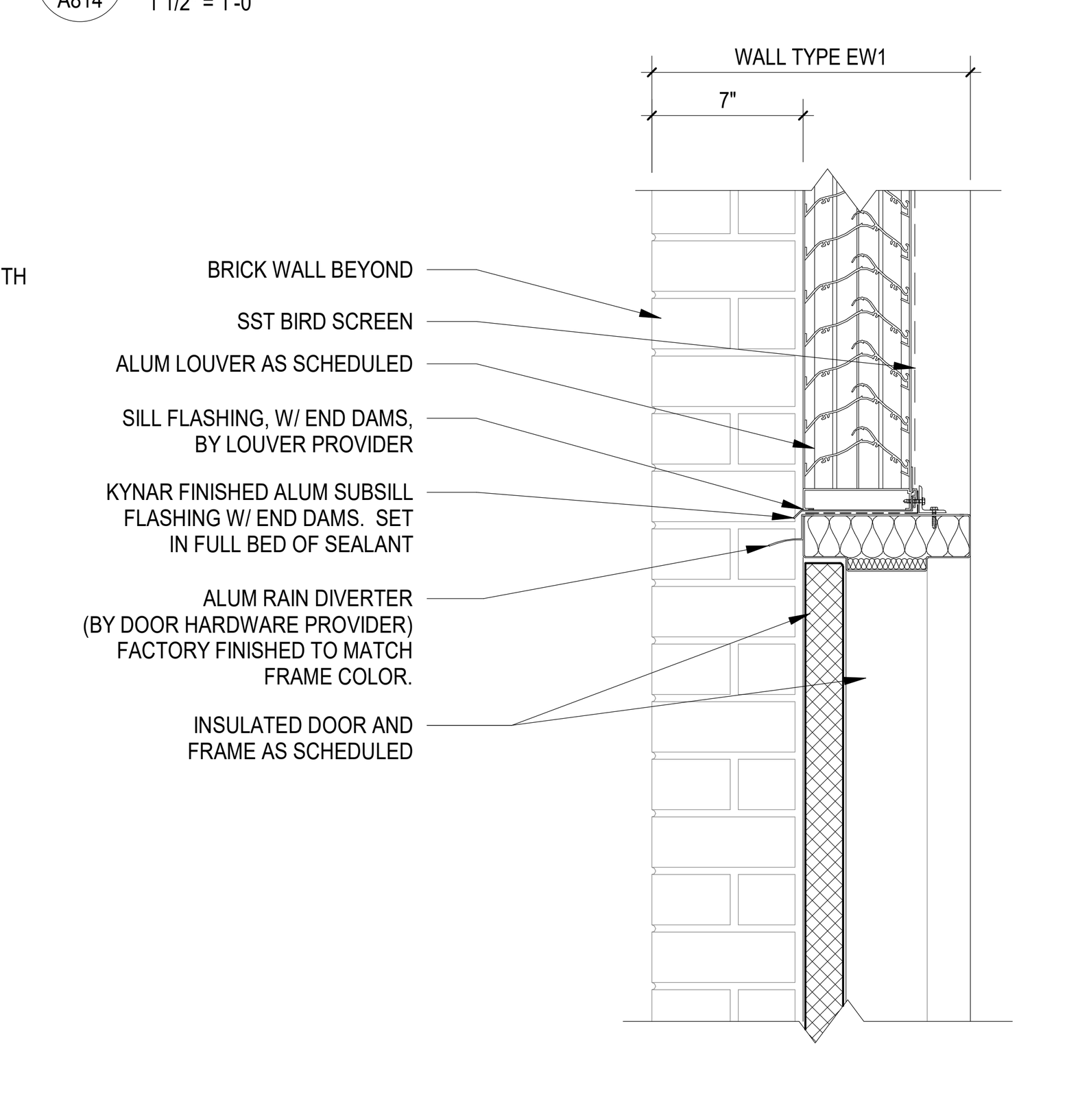
B5 A814 **WALL TYPE EW1 - CURTAIN WALL SILL - 4TH ELEV SLAB**
1 1/2" = 1'-0"



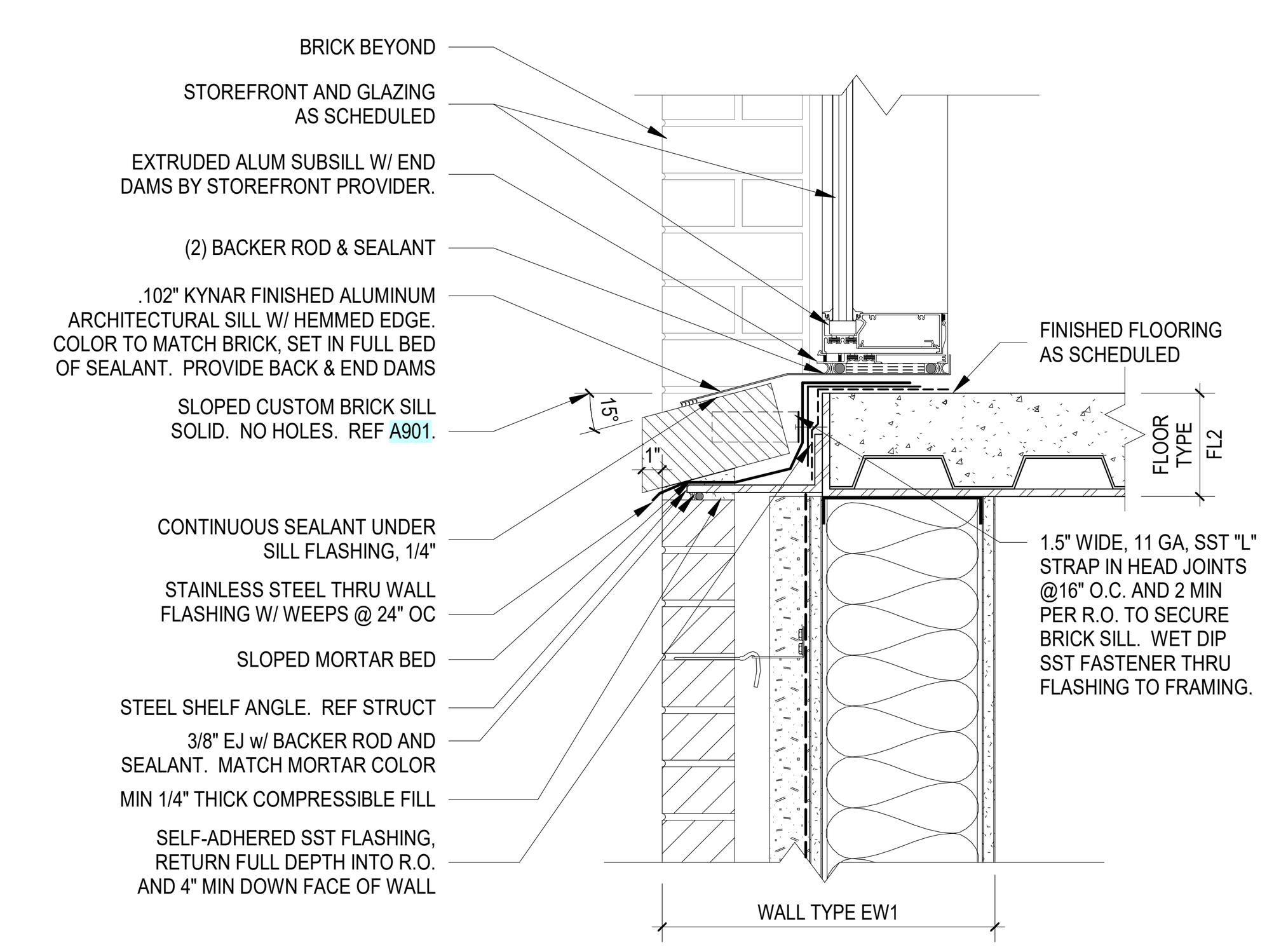
B4 A814 **WALL TYPE EW3 - STOREFRONT SILL - 3RD ELEV SLAB**
1 1/2" = 1'-0"



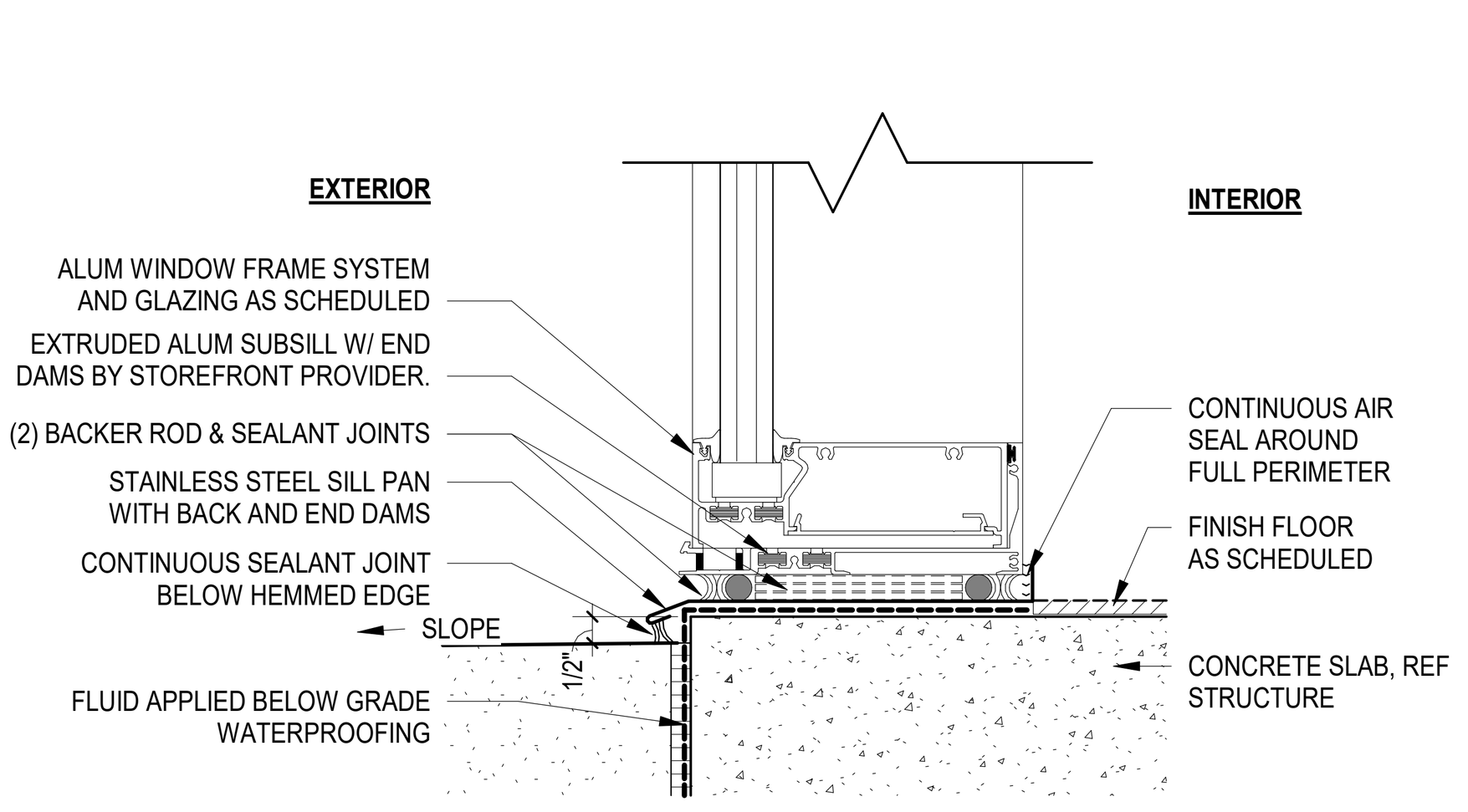
B3 A814 **CURTAIN WALL - SPANDREL**
1 1/2" = 1'-0"



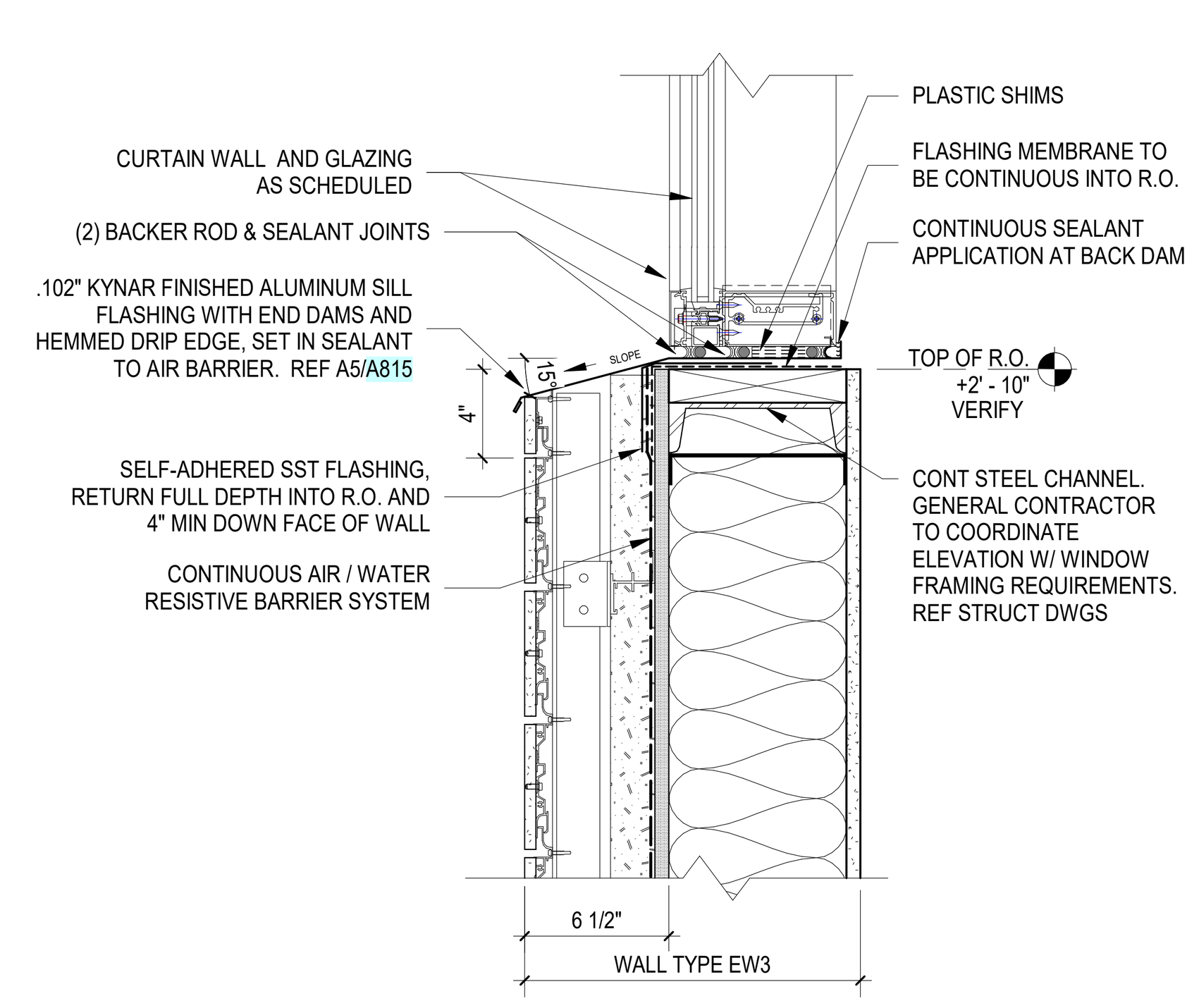
B2 A814 **WALL TYPE EW1 - LOUVER HEAD 2**
1 1/2" = 1'-0"



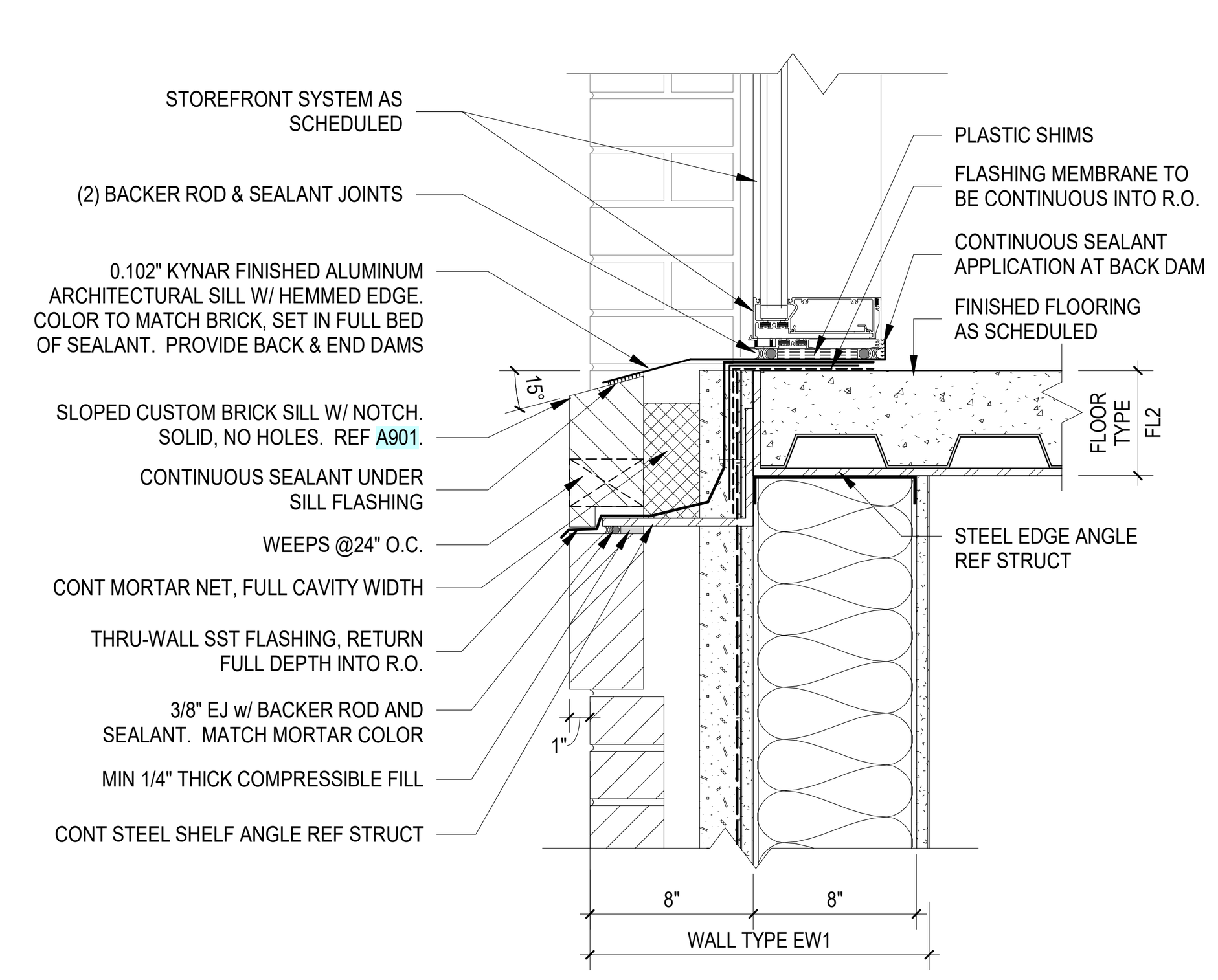
B1 A814 **WALL TYPE EW1 - STOREFRONT SILL - ELV SLAB**
1 1/2" = 1'-0"



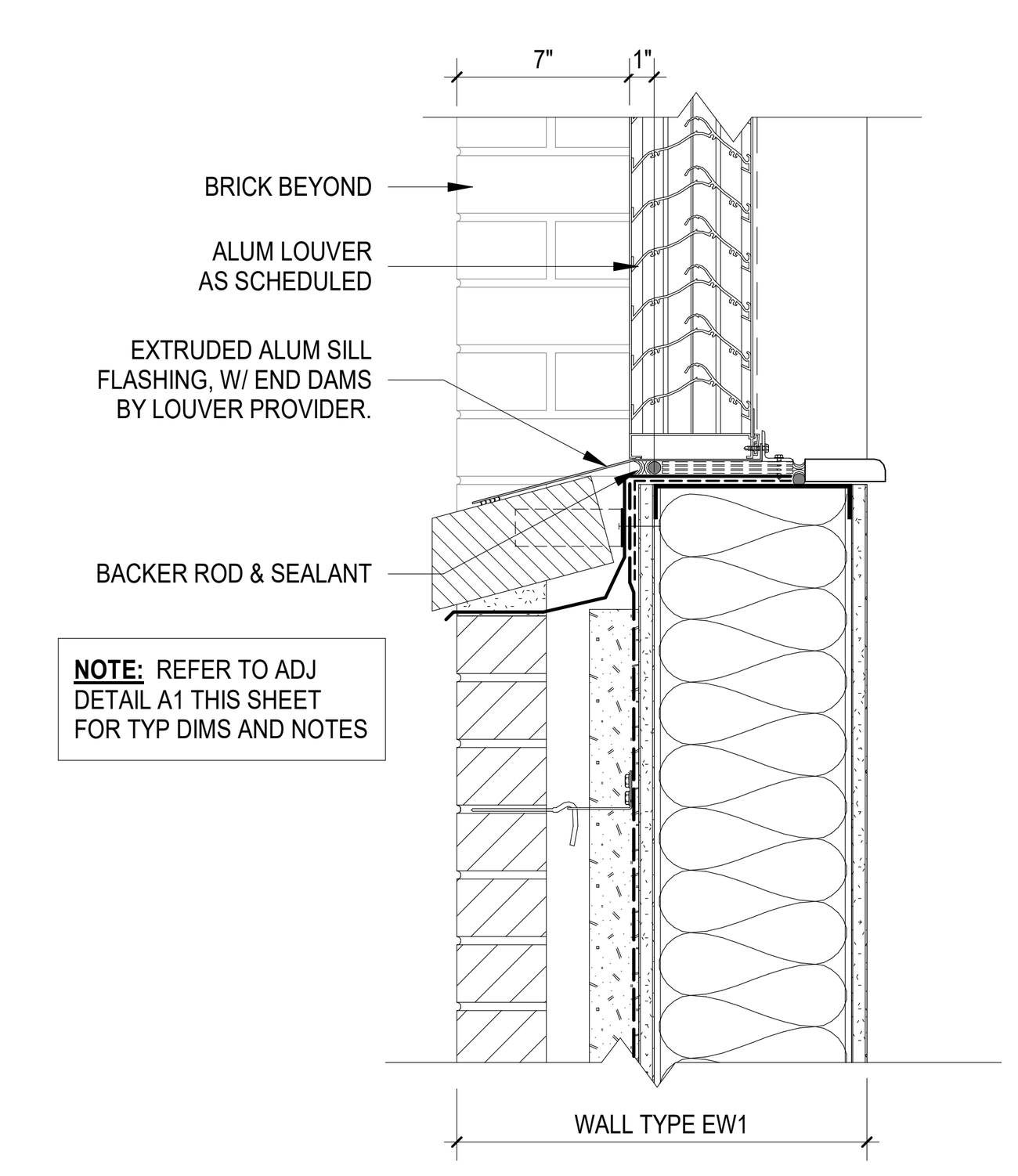
A5 A814 **STOREFRONT SILL AT GRADE**
3" = 1'-0"



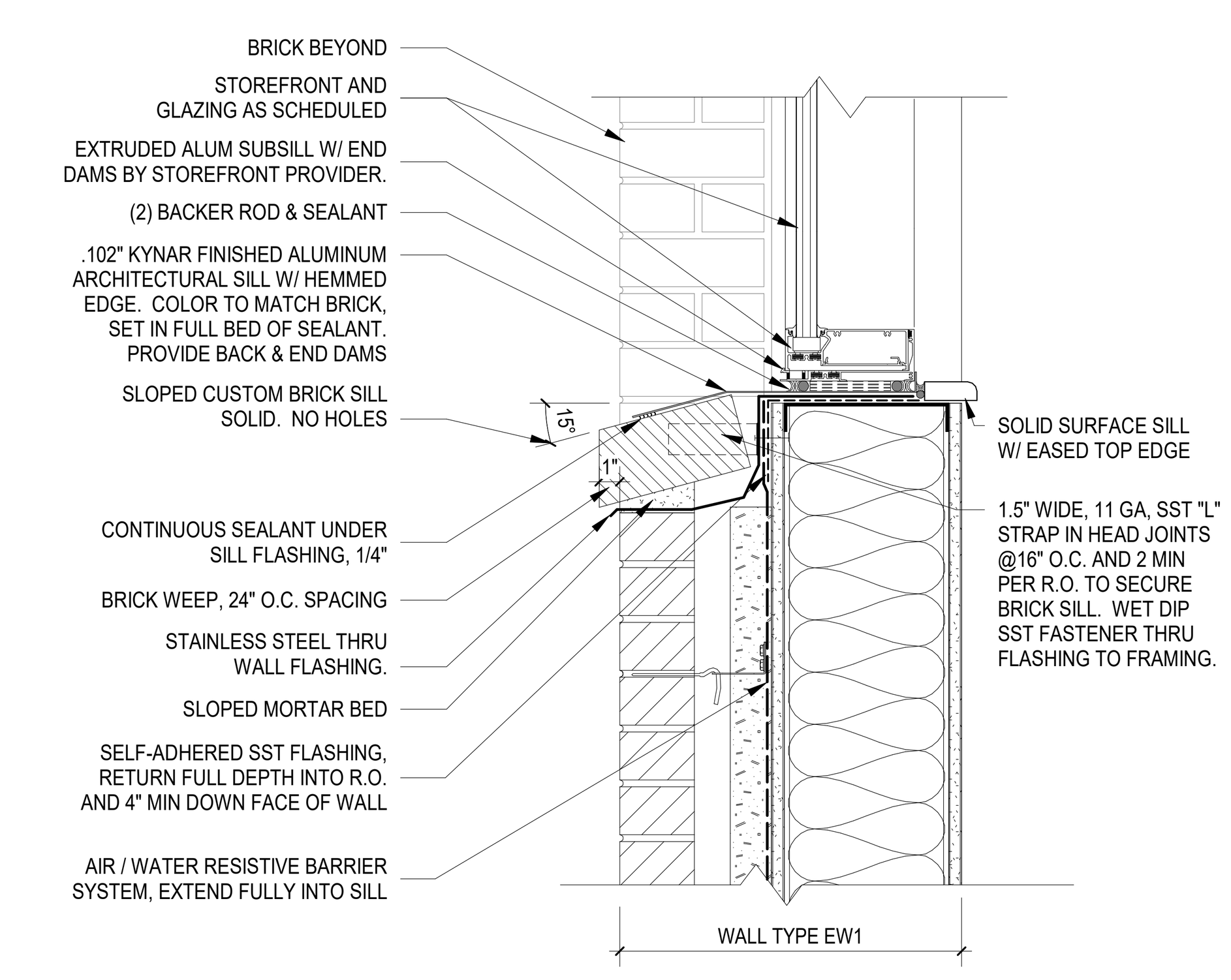
A4 A814 **WALL TYPE EW3 - CURTAIN WALL SILL - 4TH ELEV SLAB**
1 1/2" = 1'-0"



A3 A814 **WALL TYPE EW1 - CURTAIN WALL SILL - 4TH ELEV SLAB**
1 1/2" = 1'-0"



A2 A814 **WALL TYPE EW1 - LOUVER SILL**
1 1/2" = 1'-0"



A1 A814 **WALL TYPE EW1 - STOREFRONT SILL**
1 1/2" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 54314 NORTH CAROLINA CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED ARCHITECT SEAL 17168 LISA MARIE CONNELL 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:
NO. DATE DESCRIPTION

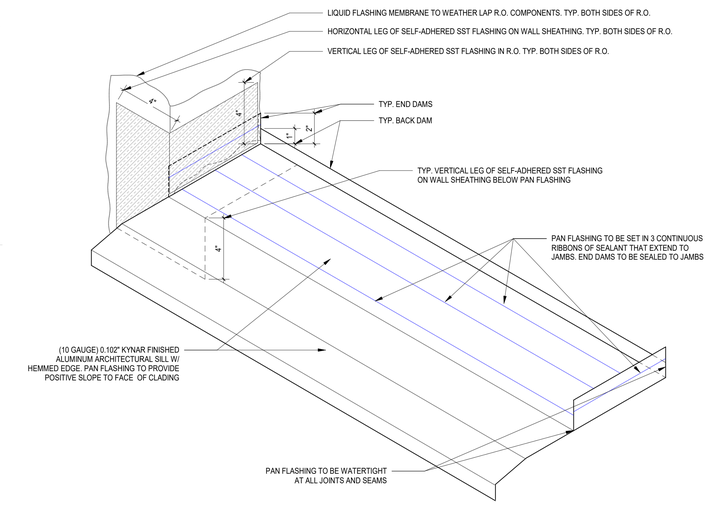
PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: B. FESSLER

SHEET TITLE:
WINDOW HEAD, JAMB & SILL DETAILS

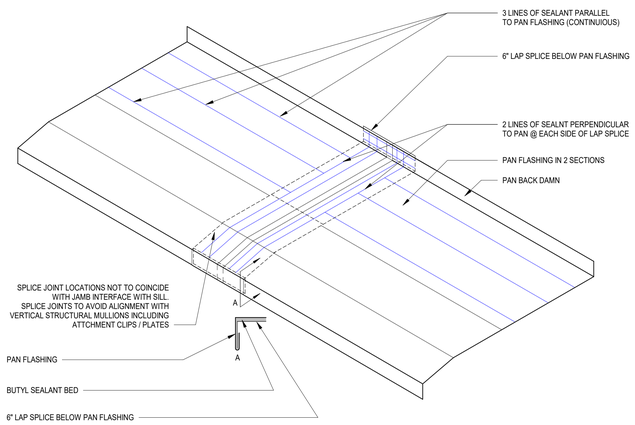
SHEET NO. A814
PROJ. NO. 024370.01

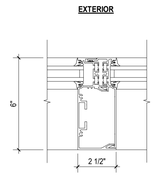
4/2/2026 12:31:41 PM Autodesk Docs://024370.00_Brunswick County Health & Human Services/ARCH_Brunswick County Health and Human Servic_R23.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2026 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALL COPIES DESTROYED ON REQUEST AT THE COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION OF THESE DOCUMENTS TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

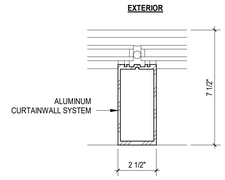


A5 / A815 **SILL PLAN FLASHING AND SPLICE DETAIL**
3" = 1'-0"

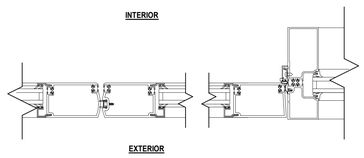




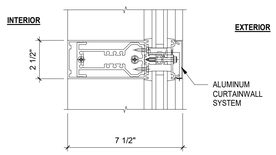
D3 / A815 **STOREFRONT DETAIL - MULLION CAP**
3" = 1'-0"



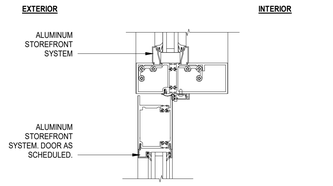
C3 / A815 **CURTAIN WALL DETAIL - BUTT GLAZING MULLION**
3" = 1'-0"



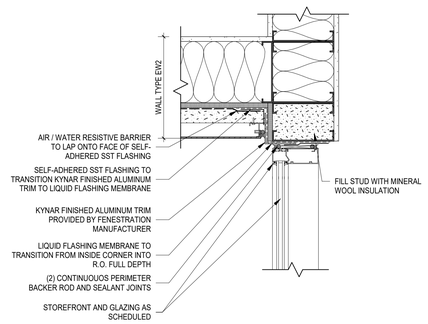
B3 / A815 **WINDOW DETAIL - STOREFRONT DOOR JAMB**
3" = 1'-0"



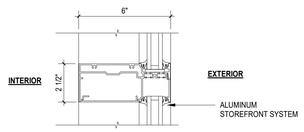
A3 / A815 **CURTAIN WALL DETAIL - INTERMEDIATE MULLION**
3" = 1'-0"



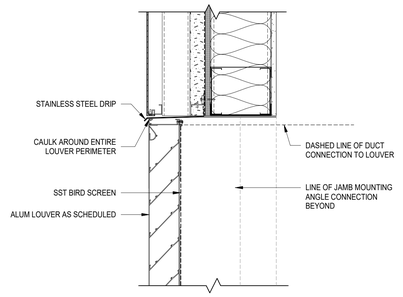
C2 / A815 **WINDOW DETAIL - STOREFRONT DOOR HEAD**
3" = 1'-0"



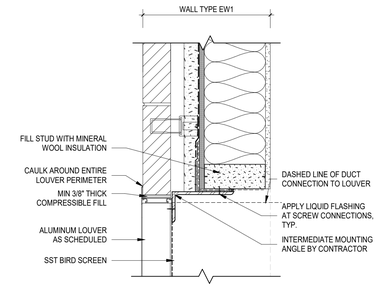
B2 / A815 **WALL TYPE EW2 - STOREFRONT JAMB**
1 1/2" = 1'-0"



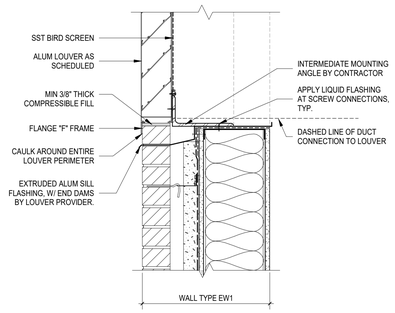
A2 / A815 **STOREFRONT DETAIL - INTERMEDIATE MULLION**
3" = 1'-0"



C1 / A815 **FRAMELESS LOUVER HEAD DETAIL**
1 1/2" = 1'-0"



B1 / A815 **FRAMELESS LOUVER JAMB DETAIL**
1 1/2" = 1'-0"



A1 / A815 **FRAMELESS LOUVER SILL DETAIL**
1 1/2" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED — SEAL 17165 — MARIE COMMERCIAL — 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

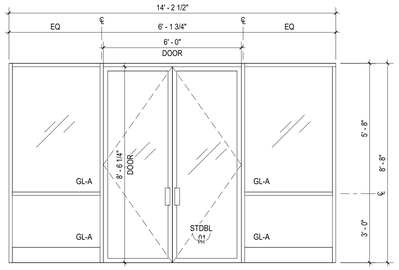
SHEET ISSUE:

NO.	DATE	DESCRIPTION

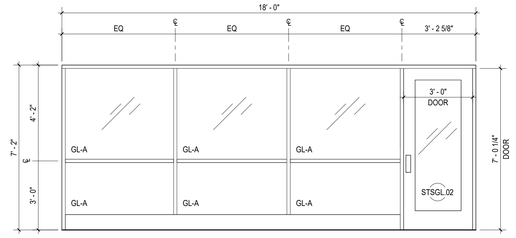
PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: D. KIM

SHEET TITLE:
WINDOW HEAD, JAMB & SILL DETAILS

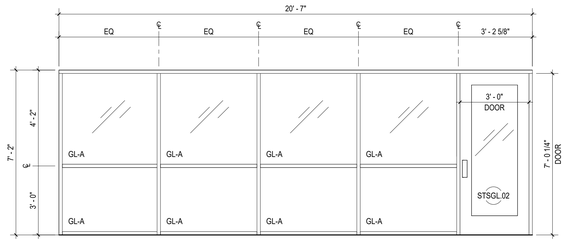
SHEET NO. A815
PROJ. NO. 024370.01



INTERIOR STOREFRONT TYPE - IST01



INTERIOR STOREFRONT TYPE - IST02



INTERIOR STOREFRONT TYPE - IST03

GLAZING LEGEND

EXTERIOR GLAZING:

GL-1	TEMPERED, INSULATED GLASS UNIT (IGU) VERTICAL STRUCTURAL SILICONE GLAZING (SSG) BOD: SOLARBAN 90 OR EQUAL COLOR: CLEAR / MIN TINT
GL-2	TEMPERED, INSULATED GLASS UNIT (IGU) IN ALUM FRAMES BOD: SOLARBAN 90 OR EQUAL COLOR: CLEAR / MIN TINT
GL-3	TEMPERED, INSULATED GLASS UNIT (IGU) SPANDREL GLAZING BOD: SOLAR BAN 90 OR EQUAL COLOR: OPAQUE GRAY TBD

INTERIOR GLAZING:

- GL-A (1/4" CLEAR TEMPERED SAFETY GLAZING)
  UNLESS IN FIRE RATED CONSTRUCTION
- GL-B (1/2" CLEAR LAMINATED SAFETY GLAZING)
- GL-C (3/4" CLEAR LAMINATED SAFETY GLAZING)
- GL-D (3/8" CLEAR LAMINATED SAFETY GLAZING)
- GL-E (±2" TEMPERED IGU w/ INTEGRAL BLINDS @ WINDOWS)
  (±1" TEMPERED IGU w/ INTEGRAL BLINDS @ DOORS)
- GL-F (1/4" TEMPERED 1-WAY VISION GLAZING)

* REFERENCE INTERIOR AND EXTERIOR ELEVATIONS FOR WINDOW / CURTAIN WALL CONDITIONS

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 54314 NORTH CAROLINA CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17168 MARIE CONNELLY 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: C MORENO

SHEET TITLE:

INTERIOR STOREFRONT TYPES

SHEET NO. A821

PROJ. NO. 024370.01

INTERIOR FINISH LEGEND

FLOORING

Code	Field	Value
CPT 1	MANUFACTURER:	SHAW CONTRACT
	PATTERN:	LANDSCAPE TILE 5T604
	COLOR:	COASTAL 04105
	SIZE:	18"X24"
	INSTALLATION:	STAGGER
	NOTE:	DIRECTION OF TILE MUST RUN SAME DIRECTION AS CPT 3/ SEE FLOOR FINISH PLANS FOR MORE INFORMATION
	NOTE 2:	MEETS CPSC FF 1 70 PILL TEST AND ASTM E662
CPT 2	MANUFACTURER:	SHAW CONTRACT
	PATTERN:	MIGRATE TILE 5T606
	COLOR:	COASTAL WATER 04411
	SIZE:	18"X24"
	INSTALLATION:	ALIGN BLUE SIDE OF TILE WITH CPT 3 AND NEUTRAL SIDE WITH CPT 1 (TYP ALL LOCATIONS U.N.O.
	NOTE 2:	MEETS CPSC FF 1 70 PILL TEST AND ASTM E662
CPT 3	MANUFACTURER:	SHAW CONTRACT
	PATTERN:	LANDSCAPE TILE 5T604
	COLOR:	WATER 04411
	SIZE:	18"X24"
	INSTALLATION:	STAGGER
	NOTE:	DIRECTION OF TILE MUST RUN SAME DIRECTION AS CPT 1/ SEE FLOOR FINISH PLANS FOR MORE INFORMATION
	NOTE 2:	MEETS CPSC FF 1 70 PILL TEST AND ASTM E662
CPT 4	MANUFACTURER:	SHAW CONTRACT/ INTERFACE
	PATTERN:	BELIEF ECOWORX TILE 5T429
	COLOR:	WISDOM 27490
	SIZE:	18"X24"
	INSTALLATION:	BRICK
	NOTE 2:	MEETS CPSC FF 1 70 PILL TEST AND ASTM E662
LVT 1	MANUFACTURER:	PATCRAFT
	STYLE:	ENRICH PLANK
	COLOR:	RELAX V-1/ 00710
	SIZE:	9"X 36"
	INSTALLATION:	STAGGER
	NOTE:	MEETS CLASS I
LVT 2	MANUFACTURER:	PATCRAFT
	STYLE:	SENSE PLANK
	COLOR:	EASE V-1/ 00100 (BEIGE)
	SIZE:	9"X 36"
	INSTALLATION:	BRICK
	NOTE:	MEETS CLASS I
LVT 3	MANUFACTURER:	PATCRAFT
	STYLE:	SENSE PLANK
	COLOR:	CARE V-1/ 00300 (GREEN)
	SIZE:	9"X 36"
	INSTALLATION:	BRICK
	NOTE:	MEETS CLASS I
LVT 4	MANUFACTURER:	PATCRAFT
	STYLE:	SENSE PLANK
	COLOR:	ADVANCE V-1/ 00300 (BLUE)
	SIZE:	9"X 36"
	INSTALLATION:	BRICK
	NOTE:	MEETS CLASS I
LVT 5	MANUFACTURER:	SHAW CONTRACT
	STYLE:	TERRAIN II 30 MIL/ 0892V
	COLOR:	AZURE/ 00450
	SIZE:	6"X48"
	INSTALLATION:	STAGGER
	NOTE:	MEETS CLASS I
LVT 6	MANUFACTURER:	SHAW CONTRACT
	STYLE:	TERRAIN II 30 MIL/ 0892V
	COLOR:	POPLAR/ 00515
	SIZE:	6"X48"
	INSTALLATION:	ASHLAR
	NOTE:	MEETS CLASS I
POR 1	MANUFACTURER:	DALTILE
	STYLE:	DIGNITARY
	COLOR:	TAUPE
	GROUT:	LATICRETE SPECTRALOCK PRO EPOXY
	GROUT COLOR:	TBD
	SIZE:	12" X 24"
	INSTALL:	1/3 OFFSET PER MANUF RECOMMENDATIONS
	LOCATION:	SEE FLOOR FINISH SHEETS
	NOTE:	MEETS CLASS I
POR 2	MANUFACTURER:	DALTILE
	STYLE:	VOLUME 1.0
	COLOR:	DEGREES SILVER
	GROUT:	LATICRETE SPECTRALOCK PRO EPOXY
	GROUT COLOR:	TBD
	SIZE:	12" X 24"
	INSTALL:	TBD
	INSTALL:	1/3 OFFSET PER MANUF RECOMMENDATIONS
	LOCATION:	SEE FLOOR FINISH SHEETS
	NOTE:	MEETS CLASS I
RST 1	MANUFACTURER:	TARKETT
	STYLE:	STAIR TREAD W/ INTEGRATED RISER
	PROFILE:	HAMMERED
	INSERT:	INTEGRATED INSERT ADA COMPLIANT
	COLOR:	TBD
	LOCATION:	EXIT STAIRS (NOT STAIR 4)
	LANDING:	RUBBER FLOORING TO MATCH TREAD
	NOTE:	MEETS CLASS I
EPOXY FOR STAIR #4	MANUFACTURER:	WAUSAU TILE
	STYLE:	EPOXY TERRAZZO TREAD/RISERS
	COLOR:	TBD
	NOTE:	MEETS CLASS I
WOM1	MANUFACTURER:	SHAW COMMERCIAL
	STYLE:	PATH TILE/ 5T034
	COLOR:	PORTABELLA/ 34761
	SIZE:	24"X 24"
	INSTALL:	BRICK
	NOTE:	MEETS CLASS I
WSSV 1	MANUFACTURER:	PATCRAFT BEIGE
	STYLE:	SENSE SHEET
	COLOR:	EASE / 00100
	SIZE:	78.72" ROLL GOODS
	INSTALLATION:	HEAT WELD ALL SEAMS
	NOTE:	MEETS CLASS I

BASE

Code	Field	Value
RB 1	MANUFACTURER:	JOHNSONITE
	STYLE:	RUBBER COVE BASE
	COLOR:	TBD
	SIZE:	4" HEIGHT
	COMMMENT:	USE CONTINUOUS ROLLS
	NOTE:	MEETS CLASS I
RB 2	MANUFACTURER:	JOHNSONITE
	STYLE:	MILLWORK PROFILE BASE/ RECESSED
	STYLE NUMBER:	MW-XX-X63
	COLOR:	TBD
	SIZE:	6" HEIGHT
	LOCATION:	SEE FLOOR FINISH SHEETS FOR MORE INFORMATION
	NOTE:	MEETS CLASS I
RB 3	MANUFACTURER:	JOHNSONITE
	STYLE:	MILLWORK PROFILE BASE/MANDALAY
	COLOR:	STERLING SILVER 69
	SIZE:	6" HEIGHT
	COMMMENT:	USE CONTINUOUS ROLLS
	LOCATION:	ON FRONT OF RECEPTION/ GREETER DESKS TYPICAL/ SEE FLOOR FINISH PLANS FOR MORE INFORMATION
	NOTE:	MEETS CLASS I
WSSB 1	MANUFACTURER:	PATCRAFT BEIGE
	STYLE:	SENSE SHEET
	COLOR:	EASE / 00100
	SIZE:	78.72" ROLL GOODS
	INSTALLATION:	HEAT WELD ALL SEAMS
	NOTE:	MEETS CLASS I

WALLS

Code	Field	Value
CWT 1	MANUFACTURER:	GARDEN STATE
	STYLE:	STICK/ MATTE
	COLOR:	AGEAN BLUE
	GROUT:	LATICRETE SEPCTRALOCK PRO EPOXY
	GROUT:	TBD
	SIZE:	1"X6"
	INSTALL:	INSTALL VERTICALLY
	LOCATION:	BACKSPLASH IN BREAK AREAS FLOORS 2-4 / SMALLER BREAK ROOMS IN DEPARTMENTS AND KITCHEN 4267
	NOTE:	MEETS CLASS I
CWT 2	MANUFACTURER:	GARDEN STATE
	STYLE:	STICK/ MATTE
	COLOR:	LAUREL GREEN
	GROUT:	LATICRETE SEPCTRALOCK PRO EPOXY
	GROUT:	TBD
	SIZE:	1"X6"
	INSTALL:	INSTALL VERTICALLY
	LOCATION:	BACKSPLASH IN BREAK AREAS FLOORS 2-4 / SMALLER BREAK ROOMS IN DEPARTMENTS AND KITCHEN 4267
	NOTE:	MEETS CLASS I
CWT 3	MANUFACTURER:	GARDEN STATE
	STYLE:	STICK/ MATTE
	COLOR:	AZURE MIST
	GROUT:	LATICRETE SEPCTRALOCK PRO EPOXY
	GROUT:	TBD
	SIZE:	1"X6"
	INSTALL:	INSTALL VERTICALLY
	LOCATION:	BACKSPLASH IN BREAK AREAS FLOORS 2-4 / SMALLER BREAK ROOMS IN DEPARTMENTS AND KITCHEN 4267
	NOTE:	MEETS CLASS I
CWT 4	MANUFACTURER:	GARDEN STATE
	STYLE:	STICK/ MATTE
	COLOR:	CADET BLUE
	GROUT:	LATICRETE SEPCTRALOCK PRO EPOXY
	GROUT:	TBD
	SIZE:	1"X6"
	INSTALL:	INSTALL VERTICALLY
	LOCATION:	BACKSPLASH IN BREAK AREAS FLOORS 2-4 / SMALLER BREAK ROOMS IN DEPARTMENTS AND KITCHEN 4267
	NOTE:	MEETS CLASS I
CWT 5	MANUFACTURER:	DALTILE
	STYLE:	VOLUME 1.0
	COLOR:	DEGREES SILVER
	GROUT:	LATICRETE SEPCTRALOCK PRO EPOXY
	GROUT:	TBD
	SIZE:	6"x24"
	INSTALL:	HERRINGBONE
	LOCATION:	MULTIFIXTURE TOILET ROOMS ALL FLOORS SEE WALL FINISH PLANS & INTERIOR ELEVATIONS FOR MORE INFORMATION
	NOTE:	MEETS CLASS I
CWT 6	MANUFACTURER:	DALTILE
	STYLE:	COLORWHEEL LINEAR
	COLOR:	ARCTIC WHITE 0190
	GROUT:	LATICRETE SEPCTRALOCK PRO EPOXY
	GROUT:	TBD
	SIZE:	4" x 12"
	INSTALL:	HORIZONTAL BRICK
	LOCATION:	COFFEE/BREAK 1308, KITCHEN 4267
	NOTE:	MEETS CLASS I
DP 1	MANUFACTURER:	FIND YOUR LEVEL
	MATERIAL:	WINDOW FILM/ L15-2001 INFINITY
	COLOR:	SPA
	LOCATION:	INTERVIEW ROOM GLASS IN LOBBY 1001
	NOTE:	SEE INTERIOR WALL FINISH PLANS AND INTERIOR ELEVATIONS FOR MORE INFORMATION
	NOTE:	MEETS CLASS A
DP 2	MANUFACTURER:	FIND YOUR LEVEL
	MATERIAL:	TARGA RIGID WALL PROTECTION PANELS
	STYLE:	L16-1003/ STYLED STRIPE
	COLOR:	MIDORI
	LOCATION:	SUBWAIT 1118, SUBWAIT 1463, CORRIDOR 1457
	NOTE:	SEE INTERIOR WALL FINISH PLANS AND INTERIOR ELEVATIONS FOR MORE INFORMATION
	NOTE2:	MEETS CLASS I /A

WALLS (CONT)

Code	Field	Value
PORW 1	MANUFACTURER:	DALTILE
	STYLE:	MARFIL GLOSSY CM06
	GROUT:	LATICRETE SPECTRALOCK PRO EPOXY
	GROUT COLOR:	TBD
	SIZE:	6MM/ 63x126
	INSTALL:	SEE INTERIOR ELEVATIONS/DETAILS
	LOCATION:	MAIN LOBBY
	NOTE:	MEETS CLASS I
PORW 2	MANUFACTURER:	DALTILE
	STYLE:	VOLUME 1.0
	COLOR:	TBD
	GROUT:	LATICRETE SPECTRALOCK PRO EPOXY
	GROUT COLOR:	TBD
	SIZE:	12" X 24"
	INSTALL:	TBD
	INSTALL:	STACKED
	LOCATION:	PUBLIC TOILETS
	NOTE:	MEETS CLASS I
PORW 3	MANUFACTURER:	DALTILE
	STYLE:	VOLUME 1.0
	COLOR:	DEGREES SILVER
	GROUT:	LATICRETE SEPCTRALOCK PRO EPOXY
	GROUT:	TBD
	SIZE:	6"x24"
	INSTALL:	HERRINGBONE
	LOCATION:	MULTIFIXTURE TOILET ROOMS ALL FLOORS SEE WALL FINISH PLANS & INTERIOR ELEVATIONS FOR MORE INFORMATION
	NOTE:	MEETS CLASS I

ALL PAINT SPECIFICATIONS MUST INCLUDE BOTH A PAINT PREFIX AND A COLOR NUMBER SUFFIX (EXAMPLES: PE-1 OR PF-12)

PAINT FINISH PREFIX DESIGNATIONS:

Prefix	Designation
PE-	PRODUCT: INTERIOR LATEX PAINT - EGGSHELL FINISH
PF-	PRODUCT INTERIOR LATEX PAINT - FLAT FINISH
PS-	PRODUCT INTERIOR LATEX PAINT - SEMI GLOSS FINISH TYPE PRO INDUSTRIAL APPLICATION: USE ON ALL METAL DOORS, DOOR FRAMES AND MISCELLANEOUS METALS AS REQUIRED
PEP-	PRODUCT: LOW VOC EPOXY PAINT- EGGSHELL FINISH

PAINT COLOR NUMBER SUFFIX DESIGNATIONS

Suffix	Field	Value
-1	MANUFACTURER:	SHERWIN WILLIAMS
	COLOR:	SW 6070 HERON PLUME
	LOCATION:	TYPICAL FIELD COLOR
-2	MANUFACTURER:	SHERWIN WILLIAMS
	COLOR:	SW 7643 PUSSYWILLOW
	LOCATION:	ACCENT COLOR/ ACCENT IN OFFICES
-3	MANUFACTURER:	SHERWIN WILLIAMS
	COLOR:	SW 6429 **BAIZE GREEN**
	LOCATION:	ACCENT COLOR PEDS/ WIC EXAM ROOMS
-4	MANUFACTURER:	SHERWIN WILLIAMS
	COLOR:	SW 6219 RAIN
	LOCATION:	ACCENT COLOR PEDS/WIC EXAM ROOMS
-5	MANUFACTURER:	SHERWIN WILLIAMS
	COLOR:	SW 9134 **green for wic waiting**
	LOCATION:	ACCENT COLOR
-6	MANUFACTURER:	SHERWIN WILLIAMS
	COLOR:	SW 9134 DELFT
	LOCATION:	ACCENT COLOR
-7	MANUFACTURER:	SHERWIN WILLIAMS
	COLOR:	SW 7619 LABRADORITE
	LOCATION:	ACCENT COLOR
-8	MANUFACTURER:	SHERWIN WILLIAMS
	COLOR:	SW 0032 NEEDLEPOINT NAVY
	LOCATION:	ACCENT COLOR
-9	MANUFACTURER:	SHERWIN WILLIAMS
	COLOR:	EXTRA WHITE
	LOCATION:	TYPICAL CEILING PAINT

CEILINGS

Code	Field	Value
ACT 1	MANUFACTURER:	ARMSTRONG
	STYLE:	ULTIMA
	SIZE:	24" X 24"
	EDGE:	TEGULAR EDGE
	GRID:	SUPRAFINE XL 9/16" EXPOSED TEE
	LOCATION:	TYPICAL CEILING TILE
	NOTE:	MEETS ASTM 1264
ACT 2	MANUFACTURER:	ARMSTRONG
	STYLE:	ULTIMA
	SIZE:	24"X48"
	EDGE:	TEGULAR EDGE
	GRID:	SUPRAFINE XL 9/16" EXPOSED TEE
	LOCATION:	LOBBY
	NOTE:	MEETS ASTM 1264
ACT 3	MANUFACTURER:	ARMSTRONG
	STYLE:	ULTIMA HEALTH ZONE
	SIZE:	24" X 24"
	EDGE:	TEGULAR EDGE
	GRID:	SUPRAFINE XL 9/16" EXPOSED TEE
	LOCATION:	TYPICAL CEILING TILE
	NOTE:	MEETS ASTM 1264
ACT 4	MANUFACTURER:	SOUNDPLY
	STYLE:	LINO LRM CEILING PLANKS/ PL LRM25 1" ACOUSTICAL WOOD PLANKS
	FINISH:	PLAIN SLICED WALNUT
	EDGE:	BANDED WITH MATCHING MATERIALS TO MATCH FACE OF PANELS
	GRID:	SUSPENDED GRID USING BAYONET CLIPS
	INSTALLATION:	STACKED (NO STAGGERED JOINTS) SEE RCP SHEETS FOR JOINT LOCATION
	LOCATION:	SEE RCP FOR MORE INFORMATION
	NOTE:	MEETS REQUIREMENTS TO BE USED IN CLASS A ENVIRONMENTS PER IBC CHAPTER 8/ SECTON 803

MISC

Code	Field	Value
PLAM 1	MANUFACTURER:	FORMICA
	COLOR:	CAMEL ELM NG 05795
	LOCATION:	THROUGHOUT
	NOTE:	MEETS ASTM E84 AS PART OF AN ASSEMBLY
PLAM 2	MANUFACTURER:	NEVAMAR
	COLOR:	NEVAMAR DEEP BLUE S3022
	LOCATION:	KITCHEN 4267/ SEE ELEVATIONS
	NOTE:	MEETS ASTM E84 AS PART OF AN ASSEMBLY
SS1	MANUFACTURER:	CORIAN
	COLOR:	ANTARTCTICA
	LOCATION:	COUNTERTOPS THROUGHOUT
	NOTE:	MEETS ASTM E84
SS2	MANUFACTURER:	CORIAN
	COLOR:	BISQUE
	LOCATION:	WINDOW SILLS THROUGHOUT U.N.O.
	NOTE:	MEETS ASTM E84
CG1	MANUFACTURER:	INPRO
	STYLE:	150 HIGH IMPACT CORNERGUARD
	COLOR:	TBD
	HEIGHT:	TOP OF BASE TO CEILING
	LOCATION:	CLINIC/ WIC SEE WALL FINISH PLANS
	NOTE:	MEETS ASTM E84/ CLASS A
CG2	MANUFACTURER:	INPRO
	STYLE:	STAINLESS STEEL CORNERGUARD
	HEIGHT:	TOP OF BASE TO 4'
	LOCATION:	RECEVING/ PURCHASING AREAS ALL CORNERS
	NOTE:	MEETS ASTM E84/ CLASS A
CR1	MANUFACTURER:	INPRO
	STYLE:	1500 WALLGUARD 5"
	COLOR:	TBD
	HEIGHT:	TOP OF BASE TO CEILING
	LOCATION:	WAITING SPACES ALL FLOORS AT SEATING AREAS
	NOTE:	MEETS ASTM E84/ CLASS A
HIP 1	MANUFACTURER:	INPRO
	STYLE:	SHEET WALL PROTECTION
	COLOR:	FEATHER 0238
	GAUGE:	.040
	LOCATION:	SEE WALL FINISH PLANS
	NOTE:	MEETS ASTM E84/ CLASS A
RS-1	MANUFACTURER:	SWF CONTRACT
	TYPE:	MANUAL SHADE CLOTH
	PATTERN / COLOR:	SoHo
	SHADE CLOTH	TBD
	DENSITY:	1%
	NOTE:	MEETS ASTM84/ TO BE LOCATED AT ALL EXTERIOR WINDOWS BOTH 1ST & 2ND FLOORS
	NOTE:	MEETS ASTM E84
RS-2	MANUFACTURER:	SWF CONTRACT
	TYPE:	MANUAL SHADE CLOTH
	PATTERN / COLOR:	SoHo
	SHADE CLOTH	TBD
	DENSITY:	BLACK OUT
	NOTE:	MEETS ASTM84/ TO BE LOCATED AT ALL EXTERIOR WINDOWS BOTH 1ST & 2ND FLOORS
	NOTE:	MEETS ASTM E84

FINISH GENERAL NOTES

CEILING

A. U.N.O. ALL ACOUSTICAL CEILING TILE SHALL BE ACT 1. REFER TO REFLECTED CEILING PLANS FOR EXCEPTIONS.
B. U.N.O. ALL GYPSUM BOARD CEILINGS ARE TO RECEIVE PF-9/ CEILINGS IN WET LOCATIONS(I.E. TOILET ROOMS, TOILET SHOWER ROOMS AND PROCEDURE ROOMS TO RECEIVE PS-9. REFER TO REFLECTED CEILING PLANS FOR NOTED EXCEPTIONS FOR PAINT COLOR AND FINISH DESIGNATIONS
C. ALL CUT TEGULAR TILE IS TO BE FACTORY CUT AND FINISHED TO ENSURE CLEAN CUT AND FINISHED EDGES ON ALL EXPOSED EDGES U.N.O.
D. ALL SOUNDPLY WOOD PLANK (ACT 4) CEILINGS ARE BASED UPON USING 4'X10' PANELS AND 10' PLANKS AS THE TYPICAL UNIT OF SIZE U.N.O.

GENERAL NOTES

A. REFER TO THE PROJECT SPECIFICATIONS REGARDING INTERIOR WOOD DOOR SPECIES, CUT AND STAIN.
B. GC TO PROVIDE A MINIMUM OF 3% ATTIC STOCK OF ALL MATERIALS TO OWNER. PROVIDE MATERIALS IN UNOPENED BOXES.
C. CAULK AT BASE OF DOOR FRAME BETWEEN DOOR FRAME AND RESILIENT FLOORING TYPICAL ALL LOCATIONS. CAULK TO BE COLOR MATCHED TO MATCH DOOR FRAME PAINT COLOR
D. ALL ITEMS EXPOSED TO VIEW SHALL BE FINISHED (I.E. PAINTED, STAINED, ETC.) UNLESS PREFINISHED BY MANUFACTURER. NO UNFINISHED SURFACES WILL BE ACCEPTED U.N.O.
E. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK LEAD TIMES ON ALL FINISH ITEMS SO AS NOT TO DELAY WORK OR WORK OF OTHER TRADES.
F. U.N.O. TILES LESS THAN AN 1/3 OF A FULL PIECE OF TILE WILL NOT BE ACCEPTED. COORDINATE LAYOUT WITH ARCHITECT TO AVOID TILE "SLIVERS".
G. LOCKERS SHALL BE FACTORY FINISHED. GC TO PROVIDE ARCHITECT MANUFACTURERS FULL LINE OF COLOR/ FINISH OFFERINGS FOR SELECTION.
H. PROVIDE ROLLER SHADE AT EACH EXTERIOR WINDOW AND WINDOWS AT INTERIOR WINDOWS U.N.O. SEE FINISH LEGEND AND REFLECTED CEILING PLANS FOR MORE INFORMATION.
I. REFER TO ELECTRICAL INFORMATION FOR LIGHTING ALLOWANCES (DECORATIVE AND TASK LIGHTING) AND TYPES TO BE INCLUDED IN PRICING SET
J. PROVIDE BOBRICK LED BACKLIT MIRRORS IN ALL MULTIPLE FIXTURE PUBLIC TOILETS
K. PROVIDE BOBRICK WELDED FRAME MIRRORS AT ALL OTHER MIRROR LOCATIONS. SIZES AS SPECIFIED IN ELEVATIONS

WALLS

A. U.N.O. GYP BD. WALLS SHALL RECEIVE PE-1
B. U.N.O. ALL RECESSED WIREWAYS, ACCESS PANELS, GRILLES, ELEC PANELS AND ALL OTHER SUCH ARCHITECTURAL, ELECTRICAL AND MECHANICAL DEVICES SHALL BE FINISHED TO MATCH ADJACENT WALL OR CEILING COLOR.
C. U.N.O.ALL PAINTED HOLLOW METAL FRAMES AND DOORS SHALL RECEIVE PS-1. SEE WALL FINISH PLANS FOR NOTED EXCEPTIONS
D. REFER TO WALL FINISH PLANS AND/OR INTERIOR ELEVATIONS FOR EXTENT AND PATTERNING OF PORCELAIN AND CERAMIC WALL TILE
E. WALLS IN DATA ROOMS ARE TO RECEIVE FIRE RATED PLYWOOD, FIRE RATED PAINTED COLOR: BLACK: FINISH: FLAT
F. ON WALLS SCHEDULED TO RECEIVE PORCELAIN TILE, PROVIDE SCHLUTER FINEC TRIM PIECE ON ALL OUTSIDE CORNER U.N.O.

FLOORING

A. U.N.O. ALL AREAS RECEIVING RESILIENT FLOORING (TILE OR SHEET GOODS) AND/ OR CARPET SHALL RECEIVE RB-1.
B. FEATHER ALL FLOORING MATERIALS AS REQUIRED TO ENSURE A LEVEL TRANSITION BETWEEN MATERIALS OF VARYING THICKNESS.
C. U.N.O. TRANSITION ALL FLOOR FINISHES AT CENTER OF DOOR WHEN IN THE "CLOSED" POSITION.
D. CONTINUE ALL SCHEDULED FLOORING MATERIAL UNDER MILLWORK AND INTO ALL RECESSES U.N.O.
E. MAINTAIN UNIFORMITY OF FLOOR COVERING DIRECTION U.N.O.
F. MINIMIZE NUMBER OF SEAMS, PLACE SEAMS IN INCONSPICUOUS AND LOW TRAFFIC AREAS WHERE POSSIBLE.
G. REFERENCE FLOORING GRAINING SYMBOL FOR CORRECT INSTALLATION DIRECTION OF FLOOR GRAINING. **DO NOT FOLLOW HATCH PATTERN DIRECTION SHOWN ON PLANS.**
H. GC TO PROVIDE ARCHITECT SEAMING DIAGRAM AND INSTALLATION PLAN FOR ALL FLOORING PRIOR TO INSTALLATION OF ANY AND ALL FLOOR COVERINGS.
I. ALL SHEET RESILIENT FLOORING IS TO BE HEAT WELDED. GC TO SUBMIT MANUFACTURERS FULL LINE OF SAMPLES FOR ARCHITECT SELECTION.

WALL PROTECTION

A. REFER TO WALL FINISH PLAN FOR CORNERGUARDS AND HIGH IMPACT PANEL LOCATIONS.
B. PROVIDE ALL FINISH PIECES ON ALL WALL PROTECTION PRODUCTS U.N.O.
C. PROVIDE ALL COORDINATING TRIM PIECES ON ALL HIGH IMPACT WALL PANELS. BUTT JOINT VERTICAL SEAMS AND SEAL WITH COLOR MATCH CAULK.
D. PROVIDE CORNERGUARDS AT ALL EXTERIOR CORNERS U.N.O./ CORNERGUARDS ARE NOT TO BE USED ON EXTERIOR CORNERS SCHEDULED TO RECEIVE WALL TILE U.N.O.
E. CONTRACTOR TO VERIFY ANGLE OF ALL CORNERS BEFORE PURCHASE AND INSTALLATION OF ALL CORNERGUARDS.
F. ALL CORNERGUARDS TO RUN FROM TOP OF BASE TO FINISHED CEILING U.N.O./ CORNERGUARDS ON HALF WALLS TO RUN FROM TOP OF BASE TO UNDERSIDE OF WALL CAP U.N.O.
G. DO NOT RUN WALL PROTECTION PANELS/TRIM BEHIND CASEWORK. PANELS/TRIM TO BE INSTALLED TIGHT TO THE CASEWORK (DO NOT CUT SHORT)

MILLWORK

A. U.N.O. ALL VERTICAL SURFACES OF CASEWORK/ MILLWORK TO RECEIVE PLAM-1. ALL COUNTERTOPS AND BACKSPLASHES SURFACES TO RECEIVE SS-1 OR SS-2 SEE FINISH LEGEND FOR MORE INFORMATION ON LOCATIONS / REFER TO CASEWORK/MILLWORK ELEVATIONS FOR MORE INFORMATION.
B. U.N.O. ALL WOOD GRAIN LAMINATE IS TO BE INSTALLED WITH THE GRAINING RUNNING VERTICALLY. SEE INTERIOR ELEVATIONS FOR NOTED EXCEPTIONS
C. ALL EXPOSED SURFACES OF MILLWORK TO BE COVERED WITH LAMINATE, NO MELAMINE OR UNFINISHED SURFACES WILL BE ACCEPTED.
D. GLASS LOCATED IN AND AROUND CARE TEAM STATIONS IS TO BE COUNTERSUNK IN TRANSACTION TOPS (AT BOTTOM OF PANEL) AND IN CEILING SOFFIT (AT TOP OF PANEL) TYP. U.N.O. SEE MILLWORK SECTIONS FOR MORE INFORMATION
E. PROVIDE 1" DEEP TOE KICK ON SIDES OF ALL MILLWORK PIECES THAT DO NOT TERMINATE AT WALL U.N.O./ THIS AREA IS TO RECEIVE RB. RUBBER BASE APPLIED TO PANELS WILL NOT BE ACCEPTED U.N.O./ COORDINATED HEIGHTS WITH ELEVATIONS
F. ALL SOLID SURFACE PRODUCTS ARE TO HAVE EASED EDGES TO ENSURE NO SHARP CORNERS
G. INCLUDE FIELD CUT GROMMETS IN ALL COUNTERTOPS TO ACCOMMODATE UNDERCOUNTER POWER/ COORDINATE WITH OWNER ON EXACT LOCATIONS

FINISH ABBREVIATIONS

Abbr.	Meaning	Abbr.	Meaning
ACT	ACOUSTICAL CEILING TILE	PLAM	PLASTIC LAMINATE
CG	CORNERGUARD	PS	PAINT - SEMI GLOSS
CPT	CARPET TILE	QZ	QUARTZ
CWT	CERAMIC WALL TILE	RAF	RAISED ACCESS FLOORING
DP	DECORATIVE PANEL	RB	RUBBER COVE BASE
EPY	RESINOUS FLOORING	RESP	RESIN PANEL
EPYB	RESINOUS FLOORING BASE	RS	ROLLER WINDOW SHADE
EPT	EPOXY TERRAZZO	RST	RUBBER STAIR TREAD & RISER
FRL	FIBERGLASS REINFORCED LAMINATE	SC	SEALED CONCRETE
GB	GLASS MARKER BOARD	SP	SIGNAGE PANEL
HIP	HIGH IMPACT PANEL	SS	SOLID SURFACE
HR	HANDRAIL	T	TRIM
LVT	LUXURY VINYL FLOORING	TER	TERRAZZO FLOORING
PE	PAINT - EGGSHELL FINISH	WD	WOOD CEILING
PEP	PAINT - EPOXY- EGGSHELL FINISH	WDB	WOOD BASE
PF	PAINT - FLAT	WOM	WALK OFF MAT
POR	PORCELAIN TILE	WP	WALL PROTECTION
PORB	PORCELAIN TILE BASE	WSSV	WELDED SEAM SHEET VINYL
PORW	PORCELAIN WALL TILE	WSSB	WELDED SEAM SHEET VINYL BASE

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED ARCHITECT SEAL 17168 LISA MARIE CONNELL 04/02/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

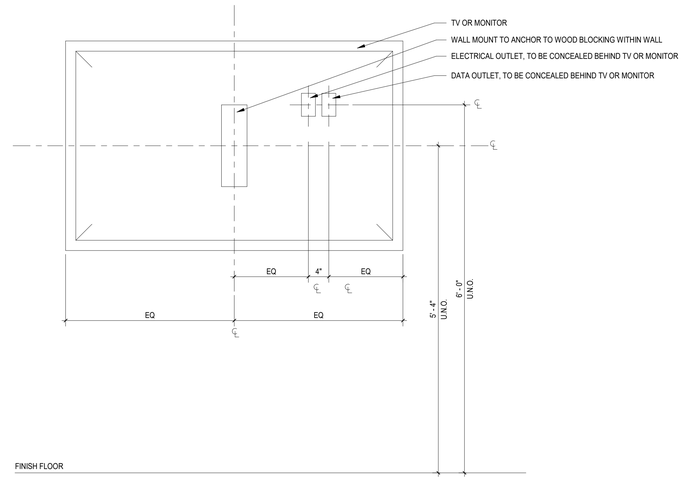
SHEET TITLE:
FINISH LEGEND & INFORMATION

SHEET NO. PROJ. NO. 024370.01

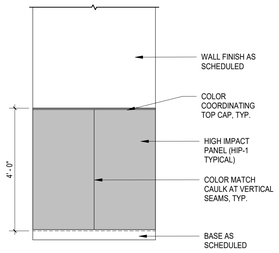
A840

4/2/2026 12:31:54 PM Autodesk Docs://024370.00_Brunswick County Health & Human Services/ARCH_Brunswick County Health and Human Servic_R23.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2026 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

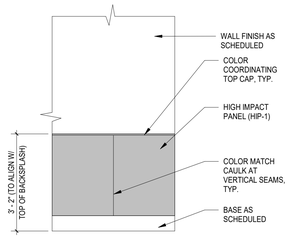
4/2/2026 9:32:27 PM - Andrew.Dow://DATA/D: @ Shared Docs (Hyatt & Turner Environment)/01 - Brunswick County Health and Human Services - 024370.01_R25_v1
DIRECTIVE: THESE MATERIALS ARE TO BE USED ONLY IN PROJECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT WITH THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED
UPON REQUEST AT COMPLETION OF THE PROJECT. ALL REUSE OF THESE MATERIALS WITHOUT THE EXPRESS WRITTEN PERMISSION OF MCMILLAN PAZDAN SMITH ARCHITECTURE FOR USE ON ANY OTHER PROJECT AND FOR ANY EXTENSIONS TO THIS PROJECT, WITH OR WITHOUT SUCH PERMISSION, WILL BE AT USER'S SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO MCMILLAN PAZDAN SMITH ARCHITECTURE. USER SHALL INDEMNIFY AND HOLD HARMLESS MCMILLAN PAZDAN SMITH ARCHITECTURE FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH.
ALL RIGHTS RESERVED
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY IN PROJECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT WITH THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED
ON REQUEST AT COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH.
ALL RIGHTS RESERVED



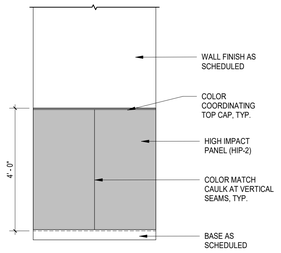
D1 / A841 **TYPICAL WALL MOUNTED MONITOR DETAIL**
1" = 1'-0"



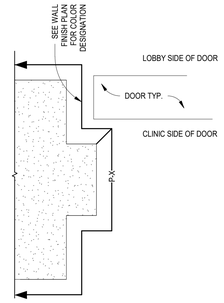
WALL PROTECTION DETAIL (WP-1)



WALL PROTECTION DETAIL (WP-2)



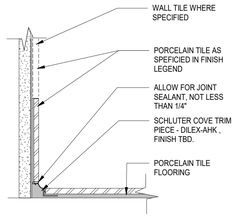
WALL PROTECTION DETAIL (WP-3)



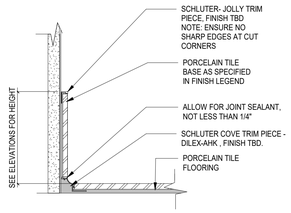
DOOR JAMB (PLAN VIEW)

PAINT TERMINATION DETAIL - DOOR JAMB

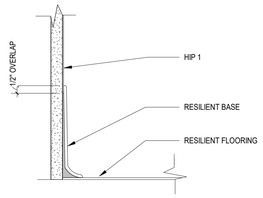
LOCATIONS: AT EXAM, IMMUNIZATION, VITAL ROOMS WHERE PAINTED DOOR SURROUND IS LOCATED/ SEE KEYED NOTE #8 ON WALL FINISH SHEETS FOR MORE INFORMATION/ ENTRY DOOR TO WAITING 1300 WILL ALSO UTILIZE THIS DETAIL



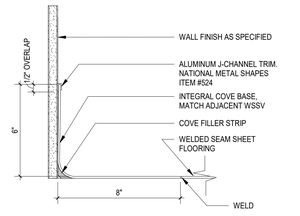
PORCELAIN TILE FLOOR TO WALL TILE DETAIL



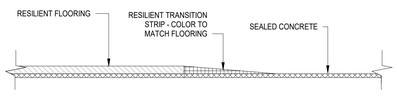
PORCELAIN TILE FLOOR/BASE W/ NO WALL TILE



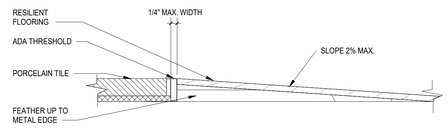
RESILIENT BASE AT WALL PROTECTION



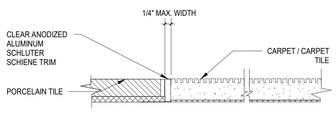
INTEGRAL COVE BASE AT GWB



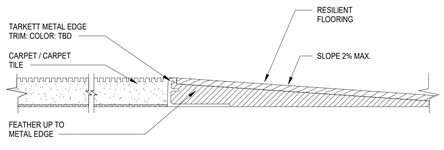
TRANSITION CONCRETE TO RESILIENT



TRANSITION PORCELAIN TILE TO RESILIENT



CARPET TO PORCELAIN TILE



TRANSITION CARPET TO RESILIENT

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERT. NO. 54314 REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17165 ANNE MARIE CONNELLY
02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

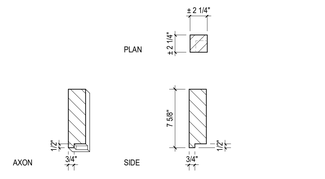
SHEET TITLE:

MISC INTERIOR AND FINISH DETAILS

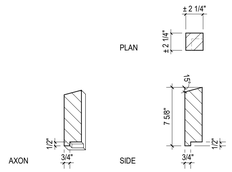
SHEET NO. A841

PROJ. NO. 024370.01

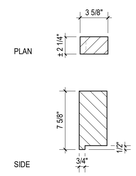
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT WITH THE EXCEPTION OF THE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SURRENDERED ACCURATELY ON TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED



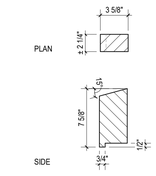
C5 / A901 **SOLDIER COURSE CORNER** REF: A3/A814
1 1/2" = 1'-0"



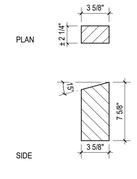
C4 / A901 **SLOPED SOLDIER COURSE CORNER WITH LIP** REF: A3/A814
1 1/2" = 1'-0"



C3 / A901 **SOLDIER COURSE WITH LIP** REF: 7/S504 D3/A011A
1 1/2" = 1'-0"

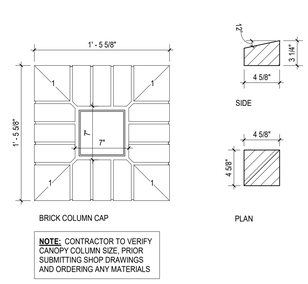


C2 / A901 **SLOPED SOLDIER COURSE WITH LIP** REF: A3/A814
1 1/2" = 1'-0"



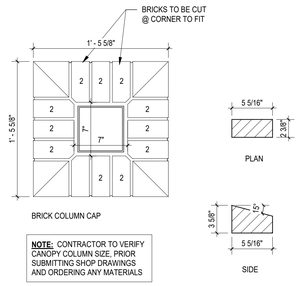
REF: B5/A814

C1 / A901 **SLOPED SOLDIER COURSE**
1 1/2" = 1'-0"



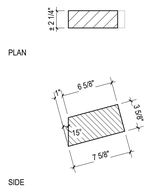
NOTE: CONTRACTOR TO VERIFY CANOPY COLUMN SIZE, PRIOR SUBMITTING SHOP DRAWINGS AND ORDERING ANY MATERIALS

B3 / A901 **CUSTOM BRICK COLUMN CAP** REF: A1/A342
1 1/2" = 1'-0"

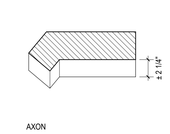


NOTE: CONTRACTOR TO VERIFY CANOPY COLUMN SIZE, PRIOR SUBMITTING SHOP DRAWINGS AND ORDERING ANY MATERIALS

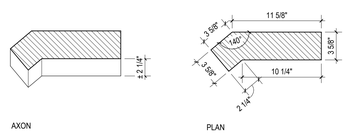
B2 / A901 **CUSTOM BRICK COLUMN CAP 2** REF: A1/A342
1 1/2" = 1'-0"



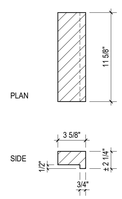
B1 / A901 **CUSTOM - SLOPED BRICK ROWLOCK SILL** REF: B1/A814
1 1/2" = 1'-0"



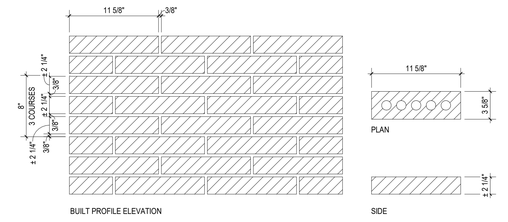
A4 / A901 **EXTERIOR ANGLED BRICK CORNER** REF: A4/A360
1 1/2" = 1'-0"



A3 / A901 **EXTERIOR ANGLED BRICK CORNER 2** REF: B4/A360
1 1/2" = 1'-0"



A2 / A901 **NOTCHED BRICK** REF: B1/A002 D1/A814
1 1/2" = 1'-0"



A1 / A901 **EW-1 - NORMAN BRICK PATTERN** REF: EW1/A002 & D3/A360
1 1/2" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURE CORPORATION NORTH CAROLINA CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 27165 LAURA MARIE CONNERLY

02/05/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

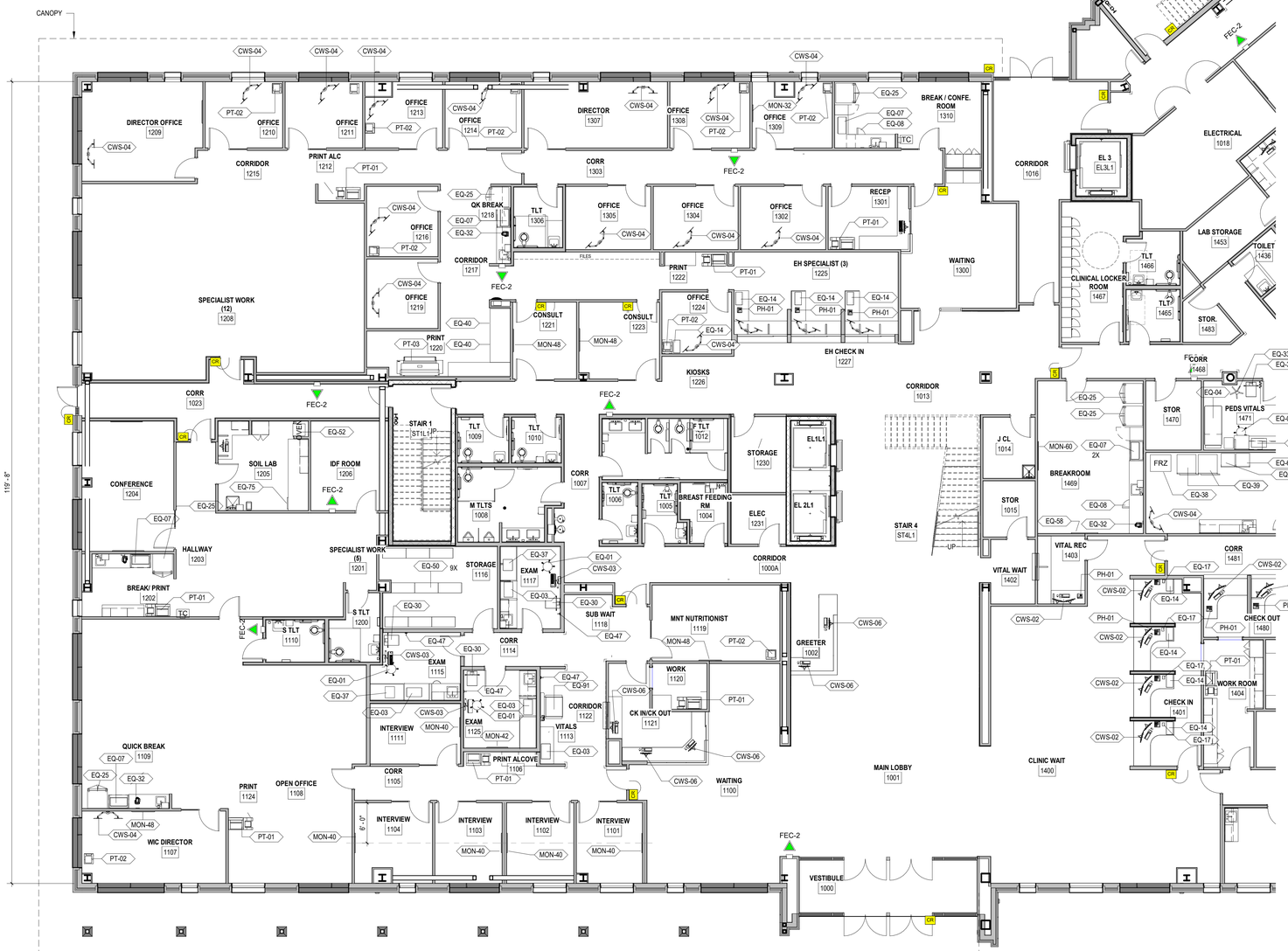
ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
BRICK PROFILES

SHEET NO. A901
PROJ. NO. 024370.01



A1 / A991A **LEVEL 01 - EQUIPMENT PLAN - AREA A**

1/8" = 1'-0"

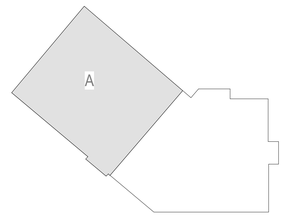
GENERAL EQUIPMENT NOTES

A. REFER TO A400 SERIES FOR ADDITIONAL INFORMATION IN REGARDS TO MOUNTING HEIGHTS AND ITEMS SHOWN BELOW THE COUNTER.
B. ALL TOILET ACCESSORIES AND SCHEDULE ARE ON A400 SERIES SHEETS. (TA-XX)
C. WALL MOUNTED MONITORS FOR EACH PATIENT ROOM ALL SHOWN ON ELEVATIONS. EACH EXAM ROOM TIME IS LABLED ONCE IS TYPICAL U.N.O.
D. FURNITURE IS NOT SHOWN FOR CLARITY.

EQUIPMENT SCHEDULE-LEVEL 1

TYPE MARK	DESCRIPTION	MANUFACTURER	Model	FURNISH / INSTALL	Level
CWS-01	SINGLE COMPUTER WORK STATION		OWNER TO SELECT	OFCI	LEVEL 01
CWS-02	COMPUTER WORKSTATION, DESKTOP (2 MONITORS	TBD	OWNER TO SELECT	OFOI	LEVEL 01
CWS-03	COMPUTER WORKSTATION, WALL MOUNTED	TBD	OWNER TO SELECT	OFCI	LEVEL 01
CWS-04	DUAL MONITORS ON ADJUSTABLE ARM	Steelcase	OWNER TO SELECT	OFOI	LEVEL 01
CWS-06	SINGLE COMPUTER STATION	TBD	OWNER TO SELECT	OFOI	LEVEL 01
EQ-01	EXAM STOOL	TBD	OWNER TO SELECT	OFOI	LEVEL 01
EQ-02	EXAM TABLE-WOMENS	MIDMARK	Ritter 204	OFOI	LEVEL 01
EQ-03	INFANT SCALE -DIGITAL	TBD	OWNER TO SELECT	OFOI	LEVEL 01
EQ-04	Table, Exam/Treatment, Manual Adjust		OWNER TO SELECT	OFOI	LEVEL 01
EQ-06	UNDERCOUNTER REFRIGERATOR (TB/CD/GHOP NOURISH)		EXISTING	OFOI	LEVEL 01
EQ-07	MICROWAVE OVEN	TBD		OFOI	LEVEL 01
EQ-08	UNDERCOUNTER ICEMAKER	ICE-O-MATIC	GEMU090-PEARL ICE MAKER	OFOI	LEVEL 01
EQ-14	DOCUMENT SCANNER	TBD	OWNER TO SELECT	OFOI	LEVEL 01
EQ-16	DESKTOP PRINTER	TBD	OWNER TO SELECT	OFOI	LEVEL 01
EQ-17	POS MACHINE, CREDIT CARD	TBD	OWNER TO SELECT	OFOI	LEVEL 01
EQ-18	SHARPS CONTAINER, WALL MOUNTED	KENDALL HEALTHCARE, COVIDIEN	KENDALL	OFOI	LEVEL 01
EQ-19	Three Glove Box Holder/Dispenser	HALYARD	36728	OFOI	LEVEL 01
EQ-25	REFRIGERATER, RESIDENTIAL FRENCH DOOR TYPE	70.25h x 35.25d x 35.625w	BASIS OF DESIGN	OFOI	LEVEL 01
EQ-26	SEMI-ROUND TRASH CAN - 45 L	TBD		OFOI	LEVEL 01
EQ-30	Scale, Clinical, Adult, Digital, Floor	TBD	OWNER TO SELECT	OFOI	LEVEL 01
EQ-32	KUERIG COFFEE MAKER-HARD PLUMBED	KUERIG	OWNER TO SELECT	OFOI	LEVEL 01
EQ-33	NURSE ON A STICK	TBD		OFOI	LEVEL 01
EQ-37	INFANT LENGTH MEASURING BOARD	TBD	38005	OFOI	LEVEL 01
EQ-38	PHARM FREEZER			EXISTING	LEVEL 01
EQ-39	Refrigerator, Pharmaceutical, One door	Helmer, Inc.	thermo-scientific	OFOI	LEVEL 01
EQ-40	FLAT FILE FOR DRAWINGS	TBD	BASIS OF DESIGN	OFOI	LEVEL 01
EQ-41	BARIATRIC BLOOD DRAW CHAIR	TBD	OWNER TO SELECT	OFOI	LEVEL 01
EQ-44	WIRE SHELVING-18"w X 42"D X 88"H	TBD	OWNER TO SELECT	OFOI	LEVEL 01
EQ-45	WASTE CAN	TBD	OWNER TO SELECT	OFOI	LEVEL 01
EQ-46	WASTE CAN, BIO-HAZARDOUS	TBD		OFOI	LEVEL 01
EQ-47	Digital Platform Standard Scale	Health o meter	2101KL	OFOI	LEVEL 01
EQ-48	EMERGENCY KEY CABINET	KNOX BOX	3264	OFOI	LEVEL 01
EQ-49	Carolina Voyage Treatment Recliner Bariatric Chair With Closed Arms	OFS BRANDS	1507-OB	OFOI	LEVEL 01
EQ-50	SUPER ERECTA STAINLESS STEEL SHELVING 42X18X74	INTERMETRO INDUSTRIES CORP	SUPER ERECTA STAINLESS 42X18X74	OFOI	LEVEL 01
EQ-51	FREEZER			OFOI	LEVEL 01
EQ-52	RECESSED IN WALL ELECTRIC OVEN	TBD	OWNER TO SELECT	CFCI	LEVEL 01
EQ-54	WALL MOUNTED WIPE HOLDER			OFCI	
EQ-57	TABLE TOP INCUBATOR	FISHER BRAND ISOTEMP	180L SN:427293	OFOI	LEVEL 01
EQ-58	CORK BOARD BULLETIN BOARD 48w x 36h	TBD	OWNER TO SELECT	OFOI	LEVEL 01
EQ-62	UNDERCOUNTER FREEZER			OFOI	LEVEL 01
EQ-63	MEDICATION CART	TBD	OWNER TO SELECT	OFOI	LEVEL 01
EQ-65	WALL MOUNTED EYEWASH STATION	TBD	OWNER TO SELECT	OFOI	LEVEL 01
EQ-66	CRASH CART	TBD	NB-50TB	OFOI	LEVEL 01
EQ-68	Refrigerator, Pharmaceutical, One door	Helmer, Inc.	Horizon HPR111 Slimline	OFOI	LEVEL 01
EQ-70	PRIVACY CURTAIN TRACK	SEE SPECS	SEE SPECS	CFCI	LEVEL 01
EQ-75	UNDER COUNTER FREEZER 3 CUBIC FEET	COWSAR	#LSD58UF88B	OFOI	LEVEL 01
EQ-91	WHEEL CHAIR SCALE	TBD	OWNER TO SELECT	OFOI	LEVEL 01
MON-32	WALL MONITOR 32" AND MOUNTING BRACKET	TBD	OWNER TO SELECT	CFCI	LEVEL 01
MON-40	WALL MONITOR- 40" AND MOUNTING BRACKET	TBD	OWNER TO SELECT	CFCI	LEVEL 01
MON-42	WALL MONITOR - 42" AND MOUNTING BRACKET	TBD			LEVEL 01
MON-48	WALL MONITOR - 48" AND MOUNTING BRACKET	TBD	OWNER TO SELECT	CFCI	LEVEL 01
MON-60	WALL MONITOR - 60" AND MOUNTING BRACKET	TBD	OWNER TO SELECT	CFCI	LEVEL 01
MON-65	WALL MOUNTED MONITOR - 65" AND MOUTING BRACKET	TBD	OWNER TO SELECT	CFCI	LEVEL 01
PH-01	PHONE		OWNER TO SELECT	OFOI	LEVEL 01
PT-01	FULL SIZE FLOOR COPIER/PRINTER		OWNER TO SELECT	OFOI	LEVEL 01
PT-02	DESKTOP PRINTER	TBD	OWNER TO SELECT	OFOI	LEVEL 01
PT-03	FULL SIZE PLOTTER	TBD	OWNER TO SELECT	OFOI	LEVEL 01
PT-05	ZEBRA LABEL PRINTER			OFOI	LEVEL 01

KEY PLAN



PROJECT NORTH

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF CONSTRUCTION CONTRACTS BETWEEN THE OWNER AND CONTRACTOR, NO PART OF THESE MATERIALS MAY BE REPRODUCED, PUBLISHED OR USED IN ANY WAY WITHOUT THE PRIOR WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. UPON COMPLETION OF THE PROJECT, SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH ARCHITECTURE ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERT. NO. 54314 REGISTERED ARCHITECTURAL CORPORATION CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 27168 MARIE CONNOLLY 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:

LEVEL 1 EQUIPMENT PLAN AND SCHEDULE -AREA A

SHEET NO. A991A

PROJ. NO. 024370.01



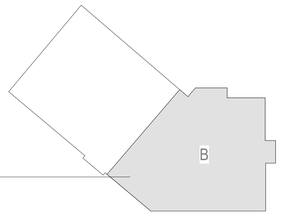
GENERAL EQUIPMENT NOTES

A. REFER TO A400 SERIES FOR ADDITIONAL INFORMATION IN REGARDS TO MOUNTING HEIGHTS AND ITEMS SHOWN BELOW THE COUNTER.
B. ALL TOILET ACCESSORIES AND SCHEDULE ARE ON A400 SERIES SHEETS. (TA-XX)
C. WALL MOUNTED MONITORS FOR EACH PATIENT ROOM ALL SHOWN ON ELEVATIONS. EACH EXAM ROOM TIME IS LABLED ONCE IS TYPICAL U.N.O.
D. FURNITURE IS NOT SHOWN FOR CLARITY.

EQUIPMENT SCHEDULE-LEVEL 1

TYPE MARK	DESCRIPTION	MANUFACTURER	Model	FURNISH / INSTALL	Level
CWS-01	SINGLE COMPUTER WORK STATION		OWNER TO SELECT	OFCI	LEVEL 01
CWS-02	COMPUTER WORKSTATION, DESKTOP (2 MONITORS	TBD	OWNER TO SELECT	OFCI	LEVEL 01
CWS-03	COMPUTER WORKSTATION, WALL MOUNTED	TBD	OWNER TO SELECT	OFCI	LEVEL 01
CWS-04	DUAL MONITORS ON ADJUSTABLE ARM	Steelcase	OWNER TO SELECT	OFCI	LEVEL 01
CWS-06	SINGLE COMPUTER STATION	TBD	OWNER TO SELECT	OFOI	LEVEL 01
EQ-01	EXAM STOOL	TBD	OWNER TO SELECT	OFOI	LEVEL 01
EQ-02	EXAM TABLE-WOMENS	MIDMARK	Ritter 204	OFOI	LEVEL 01
EQ-03	INFANT SCALE -DIGITAL	TBD	OWNER TO SELECT	OFOI	LEVEL 01
EQ-04	Table, Exam/Treatment, Manual Adjust		OWNER TO SELECT	OFOI	LEVEL 01
EQ-06	UNDERCOUNTER REFRIGERATOR (TB/CD/GHOP NOURISH)		EXISTING	OFOI	LEVEL 01
EQ-07	MICROWAVE OVEN	TBD		OFOI	LEVEL 01
EQ-08	UNDERCOUNTER ICEMAKER	ICE-O-MATIC	GEMU090-PEARL ICE MAKER	OFOI	LEVEL 01
EQ-14	DOCUMENT SCANNER	TBD	OWNER TO SELECT	OFOI	LEVEL 01
EQ-16	DESKTOP PRINTER	TBD	OWNER TO SELECT	OFOI	LEVEL 01
EQ-17	POS MACHINE, CREDIT CARD	TBD	OWNER TO SELECT	OFOI	LEVEL 01
EQ-18	SHARPS CONTAINER, WALL MOUNTED	KENDALL HEALTHCARE, COVIDIEN	KENDALL	OFOI	LEVEL 01
EQ-19	Three Glove Box Holder/Dispenser	HALYARD	36728	OFOI	LEVEL 01
EQ-25	REFRIGERATER, RESIDENTIAL FRENCH DOOR TYPE	70.25h x 35.25d x 35.625w	BASIS OF DESIGN	OFOI	LEVEL 01
EQ-26	SEMI-ROUND TRASH CAN - 45 L	TBD		OFOI	LEVEL 01
EQ-30	Scale, Clinical, Adult, Digital, Floor	TBD	OWNER TO SELECT	OFOI	LEVEL 01
EQ-32	KUERIG COFFEE MAKER-HARD PLUMBED	KUERIG	OWNER TO SELECT	OFOI	LEVEL 01
EQ-33	NURSE ON A STICK	TBD		OFOI	LEVEL 01
EQ-37	INFANT LENGTH MEASURING BOARD	TBD	38005	OFOI	LEVEL 01
EQ-38	PHARM FREEZER			EXISTING	LEVEL 01
EQ-39	Refrigerator, Pharmaceutical, One door	Helmer, Inc.	thermo-scientific	OFOI	LEVEL 01
EQ-40	FLAT FILE FOR DRAWINGS	SAFCO 4998-5 DRAWER	BASIS OF DESIGN	OFOI	LEVEL 01
EQ-41	BARIATRIC BLOOD DRAW CHAIR	TBD	OWNER TO SELECT	OFOI	LEVEL 01
EQ-44	WIRE SHELVING-18"w X 42"D X 88"H	TBD	OWNER TO SELECT	OFOI	LEVEL 01
EQ-45	WASTE CAN	TBD	OWNER TO SELECT	OFOI	LEVEL 01
EQ-46	WASTE CAN, BIO-HAZARDOUS	TBD		OFOI	LEVEL 01
EQ-47	Digital Platform Standard Scale	Health o meter	2101KL	OFOI	LEVEL 01
EQ-48	EMERGENCY KEY CABINET	KNOX BOX	3264	OFOI	LEVEL 01
EQ-49	Carolina Voyage Treatment Recliner Bariatric Chair With Closed Arms	OFS BRANDS	1507-2IB	OFOI	LEVEL 01
EQ-50	SUPER ERECTA STAINLESS STEEL SHELVING 42X18X74	INTERMETRO INDUSTRIES CORP	SUPER ERECTA STAINLESS 42X18X74	OFOI	LEVEL 01
EQ-51	FREEZER			OFOI	LEVEL 01
EQ-52	RECESSED IN WALL ELECTRIC OVEN	TBD	OWNER TO SELECT	CFCI	LEVEL 01
EQ-54	WALL MOUNTED WIPE HOLDER			OFCI	
EQ-57	TABLE TOP INCUBATOR	FISHER BRAND ISOTEMP	180L SN:427293	OFOI	LEVEL 01
EQ-58	CORK BOARD BULLETIN BOARD 48w x 36h	TBD	OWNER TO SELECT	OFOI	LEVEL 01
EQ-62	UNDERCOUNTER FREEZER			OFOI	LEVEL 01
EQ-63	MEDICATION CART	TBD	OWNER TO SELECT	OFOI	LEVEL 01
EQ-65	WALL MOUNTED EYEWASH STATION	TBD	OWNER TO SELECT	OFOI	LEVEL 01
EQ-66	CRASH CART	TBD	NB-50TB	OFOI	LEVEL 01
EQ-68	Refrigerator, Pharmaceutical, One door	Helmer, Inc.	Horizon HPR111 Slimline	OFOI	LEVEL 01
EQ-70	PRIVACY CURTAIN TRACK	SEE SPECS	SEE SPECS	CFCI	LEVEL 01
EQ-75	UNDER COUNTER FREEZER 3 CUBIC FEET	COWSAR	#LSDSBUF88B	OFOI	LEVEL 01
EQ-91	WHEEL CHAIR SCALE	TBD	OWNER TO SELECT	OFOI	LEVEL 01
MON-32	WALL MONITOR 32" AND MOUNTING BRACKET	TBD	OWNER TO SELECT	CFCI	LEVEL 01
MON-40	WALL MONITOR- 40" AND MOUNTING BRACKET	TBD	OWNER TO SELECT	CFCI	LEVEL 01
MON-42	WALL MONITOR - 42" AND MOUNTING BRACKET	TBD			LEVEL 01
MON-48	WALL MONITOR - 48" AND MOUNTING BRACKET	TBD	OWNER TO SELECT	CFCI	LEVEL 01
MON-60	WALL MONITOR - 60" AND MOUNTING BRACKET	TBD	OWNER TO SELECT	CFCI	LEVEL 01
MON-65	WALL MOUNTED MONITOR - 65" AND MOUTING BRACKET	TBD	OWNER TO SELECT	CFCI	LEVEL 01
PH-01	PHONE		OWNER TO SELECT	OFOI	LEVEL 01
PT-01	FULL SIZE FLOOR COPIER/PRINTER		OWNER TO SELECT	OFOI	LEVEL 01
PT-02	DESKTOP PRINTER	TBD	OWNER TO SELECT	OFOI	LEVEL 01
PT-03	FULL SIZE PLOTTER	TBD	OWNER TO SELECT	OFOI	LEVEL 01
PT-05	ZEBRA LABEL PRINTER			OFOI	LEVEL 01

KEY PLAN



A1 / A991B **LEVEL 01 -EQUIPMENT PLAN - AREA B**
1/8" = 1'-0"

PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERT. NO. 54314 REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 37168 M. MARIE CONNOLLY 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
LEVEL 1 EQUIPMENT PLAN AND SCHEDULE - AREA B

SHEET NO. A991B
PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE; THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT; WITH THE EXCEPTION OF THE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SURRENDERED ON REQUEST AT THE COMPLETION OF THE PROJECT; SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH ARCHITECTURE ALL RIGHTS RESERVED

A400BIM 12:58:39 PM Autodesk Docs://2025.02 @ Brunswick County Health & Human Services/BCHS_Brunswick County Health and Human Services_R25_v1.rvt

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE DISCLOSED TO OTHERS FOR USE ON OTHER PROJECTS, EXTENSIONS TO THIS PROJECT OR ADDITIONS TO THIS PROJECT OBTAINED OR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THIS PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

4/2/2026 12:32:24 PM - Autodesk Docs://2025.01.28 Brunswick County Health & Human Services/BCHS - Brunswick County Health and Human Services_R25_v1.rvt
BIDDING AIDS: SITE ISSUED ON MYTHERIGHT TO THIS PROJECT AND NOT TO BE USED FOR ANY OTHER PROJECT. WITH THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED

GENERAL EQUIPMENT NOTES

A. REFER TO A400 SERIES FOR ADDITIONAL INFORMATION IN REGARDS TO MOUNTING HEIGHTS AND ITEMS SHOWN BELOW THE COUNTER.
B. ALL TOILET ACCESSORIES AND SCHEDULE ARE ON A400 SERIES SHEETS. (TA-XX)
C. WALL MOUNTED MONITORS FOR EACH PATIENT ROOM ALL SHOWN ON ELEVATIONS. EACH EXAM ROOM TIME IS LABLED ONCE IS TYPICAL U.N.O.
D. FURNITURE IS NOT SHOWN FOR CLARITY.

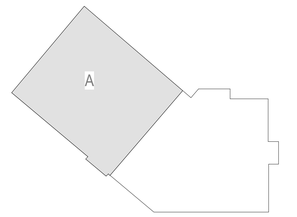
EQUIPMENT SCHEDULE-LEVEL 2

TYPE MARK	DESCRIPTION	MANUFACTURER	Model	FURNISH /INSTALL	Level
CWS-04	DUAL MONITORS ON ADJUSTABLE ARM	Steelcase	OWNER TO SELECT	OFOI	LEVEL 02
CWS-05	COMPUTER	TBD	OWNER TO SELECT	OFOI	LEVEL 02
EQ-07	MICROWAVE OVEN	TBD		OFOI	LEVEL 02
EQ-08	UNDERCOUNTER ICEMAKER	ICE-O-MATIC	GEMU090-PEARL ICE MAKER	OFOI	LEVEL 02
EQ-14	DOCUMENT SCANNER	TBD	OWNER TO SELECT	OFOI	LEVEL 02
EQ-25	REFRIGERATER, RESIDENTIAL FRENCH DOOR TYPE	70.25h x 35.25d x 35.625w	BASIS OF DESIGN	OFOI	LEVEL 02
EQ-32	KUERIG COFFEE MAKER-HARD PLUMBED	KUERIG	OWNER TO SELECT	OFOI	LEVEL 02
EQ-42	SHRED BIN			OFOI	LEVEL 02
EQ-44	WIRE SHELVING-18"w X 42"D X 88"H	TBD	OWNER TO SELECT	OFOI	LEVEL 02
EQ-45	WASTE CAN	TBD	OWNER TO SELECT	OFOI	LEVEL 02
EQ-54	WALL MOUNTED WIPE HOLDER			OFCI	
EQ-58	CORK BOARD BULLETIN BOARD 48w x 36h	TBD	OWNER TO SELECT	OFOI	LEVEL 02
MON-48	WALL MONITOR - 48" AND MOUNTING BRACKET	TBD	OWNER TO SELECT	OFCI	LEVEL 02
MON-65	WALL MOUNTED MONITOR - 65" AND MOUTING BRACKET	TBD	OWNER TO SELECT	OFCI	LEVEL 02
PH-01	PHONE		OWNER TO SELECT	OFOI	LEVEL 02
PT-01	FULL SIZE FLOOR COPIER/PRINTER		OWNER TO SELECT	OFOI	LEVEL 02
PT-02	DESKTOP PRINTER	TBD	OWNER TO SELECT	OFOI	LEVEL 02
PT-04	FLOOR COPIER	TBD	OWNER TO SELECT	OFOI	LEVEL 02



A1 / A992A — **LEVEL 02 - EQUIPMENT PLAN - AREA A**
1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. — CERT. NO. 54314 — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED — SEAL 47168 — LAURA MARIE COMMERCIAL — 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
LEVEL 2 EQUIPMENT PLAN AND SCHEDULE - AREA A

SHEET NO. A992A
PROJ. NO. 024370.01



LEVEL 02 - EQUIPMENT PLAN - AREA B

A1 / A992B — 1/8" = 1'-0"

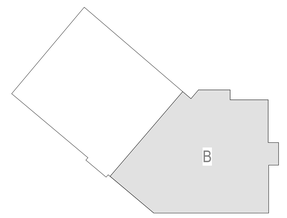
GENERAL EQUIPMENT NOTES

A. REFER TO A400 SERIES FOR ADDITIONAL INFORMATION IN REGARDS TO MOUNTING HEIGHTS AND ITEMS SHOWN BELOW THE COUNTER.
B. ALL TOILET ACCESSORIES AND SCHEDULE ARE ON A400 SERIES SHEETS. (TA-XX)
C. WALL MOUNTED MONITORS FOR EACH PATIENT ROOM ALL SHOWN ON ELEVATIONS. EACH EXAM ROOM TIME IS LABLED ONCE IS TYPICAL U.N.O.
D. FURNITURE IS NOT SHOWN FOR CLARITY.

EQUIPMENT SCHEDULE-LEVEL 2

TYPE MARK	DESCRIPTION	MANUFACTURER	Model	FURNISH /INSTALL	Level
CWS-04	DUAL MONITORS ON ADJUSTABLE ARM	Steelcase	OWNER TO SELECT	OFOI	LEVEL 02
CWS-05	COMPUTER	TBD	OWNER TO SELECT	OFOI	LEVEL 02
EQ-07	MICROWAVE OVEN	TBD		OFOI	LEVEL 02
EQ-08	UNDERCOUNTER ICEMAKER	ICE-O-MATIC	GEMU090-PEARL ICE MAKER	OFOI	LEVEL 02
EQ-14	DOCUMENT SCANNER	TBD	OWNER TO SELECT	OFOI	LEVEL 02
EQ-25	REFRIGERATER, RESIDENTIAL FRENCH DOOR TYPE	70.25h x 35.25d x 35.625w	BASIS OF DESIGN	OFOI	LEVEL 02
EQ-32	KUERIG COFFEE MAKER-HARD PLUMBED	KUERIG	OWNER TO SELECT	OFOI	LEVEL 02
EQ-42	SHRED BIN			OFOI	LEVEL 02
EQ-44	WIRE SHELVING-18"w X 42"D X 88"H	TBD	OWNER TO SELECT	OFOI	LEVEL 02
EQ-45	WASTE CAN	TBD	OWNER TO SELECT	OFOI	LEVEL 02
EQ-54	WALL MOUNTED WIPE HOLDER			OFCI	
EQ-58	CORK BOARD BULLETIN BOARD 48w x 36h	TBD	OWNER TO SELECT	OFOI	LEVEL 02
MON-48	WALL MONITOR - 48" AND MOUNTING BRACKET	TBD	OWNER TO SELECT	CFCI	LEVEL 02
MON-65	WALL MOUNTED MONITOR - 65" AND MOUTING BRACKET	TBD	OWNER TO SELECT	CFCI	LEVEL 02
PH-01	PHONE		OWNER TO SELECT	OFOI	LEVEL 02
PT-01	FULL SIZE FLOOR COPIER/PRINTER		OWNER TO SELECT	OFOI	LEVEL 02
PT-02	DESKTOP PRINTER	TBD	OWNER TO SELECT	OFOI	LEVEL 02
PT-04	FLOOR COPIER	TBD	OWNER TO SELECT	OFOI	LEVEL 02

KEY PLAN



PROJECT NORTH

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. — CERT. NO. 54314 — REGISTERED ARCHITECTURAL CORPORATION — NORTH CAROLINA — CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED — SEAL 47168 — MARIE CONNOLLY — 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:

LEVEL 2 EQUIPMENT PLAN AND SCHEDULE - AREA B

SHEET NO. A992B

PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE NOT TO BE CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY, WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SHALL BE ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

1/2/2026 3:33:20 PM - Autodesk Docs://2025.02 @ Brunswick County Health & Human Services/BCH_Brunswick County Health and Human Services_R25.rvt



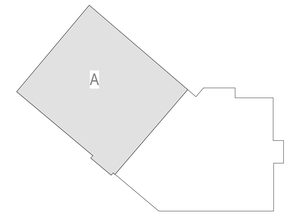
GENERAL EQUIPMENT NOTES

A. REFER TO A400 SERIES FOR ADDITIONAL INFORMATION IN REGARDS TO MOUNTING HEIGHTS AND ITEMS SHOWN BELOW THE COUNTER.
B. ALL TOILET ACCESSORIES AND SCHEDULE ARE ON A400 SERIES SHEETS. (TA-XX)
C. WALL MOUNTED MONITORS FOR EACH PATIENT ROOM ALL SHOWN ON ELEVATIONS. EACH EXAM ROOM TIME IS LABLED ONCE IS TYPICAL U.N.O.
D. FURNITURE IS NOT SHOWN FOR CLARITY.

EQUIPMENT SCHEDULE-LEVEL 3

TYPE MARK	DESCRIPTION	MANUFACTURER	Model	FURNISH/ INSTALL	Level
CWS-02	COMPUTER WORKSTATION, DESKTOP (2 MONITORS	TBD	OWNER TO SELECT	OFOI	LEVEL 03
CWS-04	DUAL MONITORS ON ADJUSTABLE ARM	Steelcase	OWNER TO SELECT	OFOI	LEVEL 03
CWS-05	COMPUTER	TBD	OWNER TO SELECT	OFOI	LEVEL 03
EQ-07	MICROWAVE OVEN	TBD		OFOI	LEVEL 03
EQ-08	UNDERCOUNTER ICEMAKER	ICE-O-MATIC	GEMU090-PEARL ICE MAKER	OFOI	LEVEL 03
EQ-14	DOCUMENT SCANNER	TBD	OWNER TO SELECT	OFOI	LEVEL 03
EQ-25	REFRIGERATER, RESIDENTIAL FRENCH DOOR TYPE	70.25h x 35.25d x 35.625w	BASIS OF DESIGN	OFOI	LEVEL 03
EQ-32	KUERIG COFFEE MAKER-HARD PLUMBED	KUERIG	OWNER TO SELECT	OFOI	LEVEL 03
EQ-54	WALL MOUNTED WIPE HOLDER			OFCI	
GB-01	GLASS BOARD (48w x 36h)	TBD		CFCI	LEVEL 03
MON-48	WALL MONITOR - 48" AND MOUNTING BRACKET	TBD	OWNER TO SELECT	CFCI	LEVEL 03
MON-65	WALL MOUNTED MONITOR - 65" AND MOUTING BRACKET	TBD	OWNER TO SELECT	CFCI	LEVEL 03
PH-01	PHONE		OWNER TO SELECT	OFOI	LEVEL 03
PT-02	DESKTOP PRINTER	TBD	OWNER TO SELECT	OFOI	LEVEL 03
PT-04	FLOOR COPIER	TBD	OWNER TO SELECT	OFOI	LEVEL 03

KEY PLAN



PROJECT NORTH

A1 / A993A **LEVEL 03 - EQUIPMENT PLAN - AREA A**
1/8" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 37168 LAURA MARIE CONNELLY 02/09/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE:	02/06/2026
PHASE:	PERMIT SET

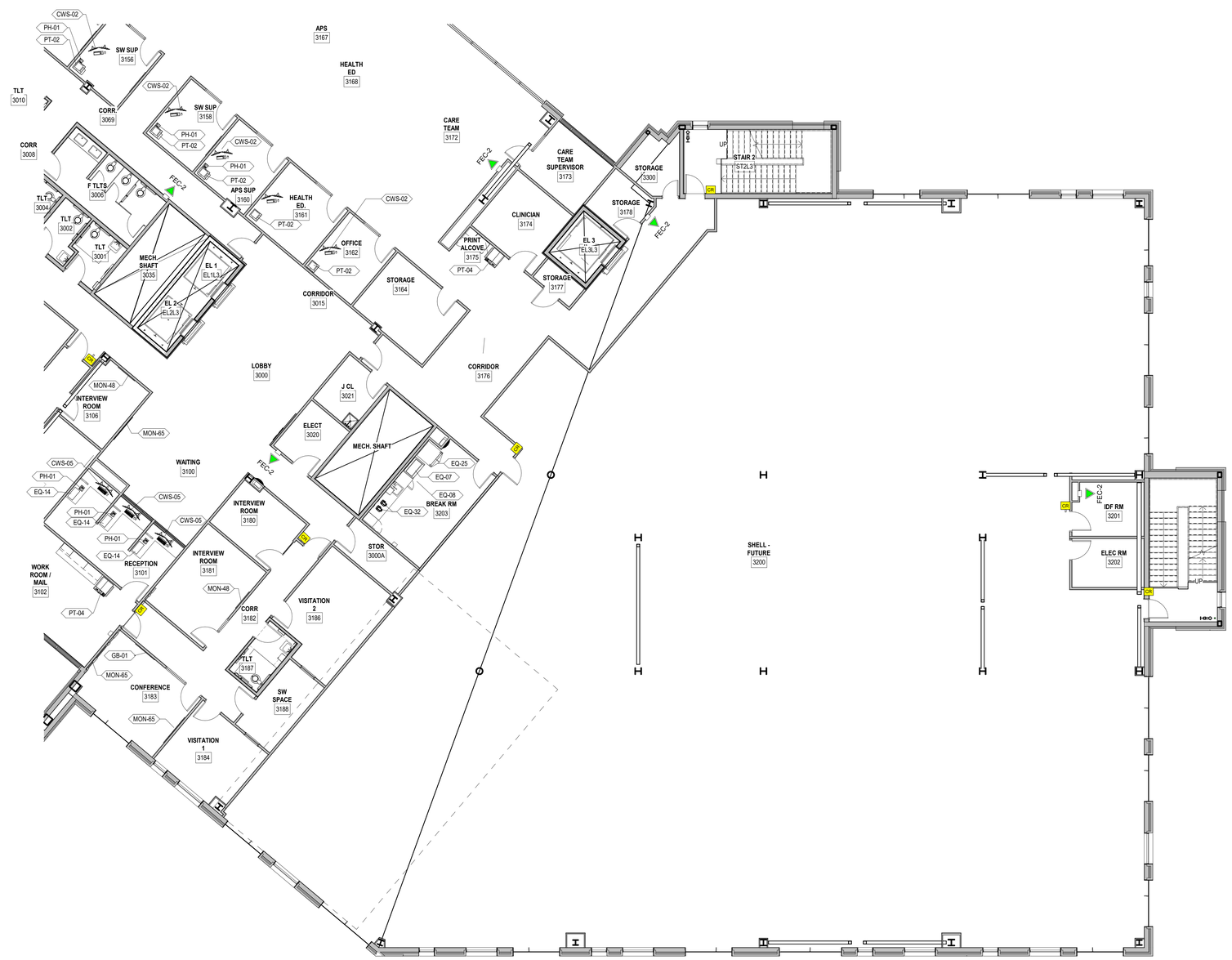
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE:	M. SHEWARD
PROJECT ARCHITECT:	L. HOWELL
DRAWN BY:	Author

SHEET TITLE:
LEVEL 3 EQUIPMENT PLAN AND SCHEDULE - AREA A

SHEET NO. A993A

PROJ. NO. 024370.01



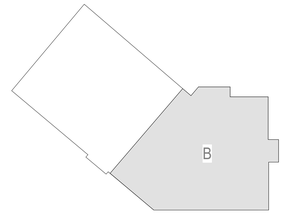
GENERAL EQUIPMENT NOTES

A. REFER TO A400 SERIES FOR ADDITIONAL INFORMATION IN REGARDS TO MOUNTING HEIGHTS AND ITEMS SHOWN BELOW THE COUNTER.
B. ALL TOILET ACCESSORIES AND SCHEDULE ARE ON A400 SERIES SHEETS. (TA-XX)
C. WALL MOUNTED MONITORS FOR EACH PATIENT ROOM ALL SHOWN ON ELEVATIONS. EACH EXAM ROOM TIME IS LABLED ONCE IS TYPICAL U.N.O.
D. FURNITURE IS NOT SHOWN FOR CLARITY.

EQUIPMENT SCHEDULE-LEVEL 3

TYPE MARK	DESCRIPTION	MANUFACTURER	Model	FURNISH/ INSTALL	Level
CWS-02	COMPUTER WORKSTATION, DESKTOP (2 MONITORS	TBD	OWNER TO SELECT	OFOI	LEVEL 03
CWS-04	DUAL MONITORS ON ADJUSTABLE ARM	Steelcase	OWNER TO SELECT	OFOI	LEVEL 03
CWS-05	COMPUTER	TBD	OWNER TO SELECT	OFOI	LEVEL 03
EQ-07	MICROWAVE OVEN	TBD		OFOI	LEVEL 03
EQ-08	UNDERCOUNTER ICEMAKER	ICE-O-MATIC	GEMU090-PEARL ICE MAKER	OFOI	LEVEL 03
EQ-14	DOCUMENT SCANNER	TBD	OWNER TO SELECT	OFOI	LEVEL 03
EQ-25	REFRIGERATER, RESIDENTIAL FRENCH DOOR TYPE	70.25h x 35.25d x 35.625w	BASIS OF DESIGN	OFOI	LEVEL 03
EQ-32	KUERIG COFFEE MAKER-HARD PLUMBED	KUERIG	OWNER TO SELECT	OFOI	LEVEL 03
EQ-54	WALL MOUNTED WIPE HOLDER			OFCI	
GB-01	GLASS BOARD (48w x 36h)	TBD		CFCI	LEVEL 03
MON-48	WALL MONITOR - 48" AND MOUNTING BRACKET	TBD	OWNER TO SELECT	CFCI	LEVEL 03
MON-65	WALL MOUNTED MONITOR - 65" AND MOUTING BRACKET	TBD	OWNER TO SELECT	CFCI	LEVEL 03
PH-01	PHONE		OWNER TO SELECT	OFOI	LEVEL 03
PT-02	DESKTOP PRINTER	TBD	OWNER TO SELECT	OFOI	LEVEL 03
PT-04	FLOOR COPIER	TBD	OWNER TO SELECT	OFOI	LEVEL 03

KEY PLAN



A1 / A993B **LEVEL 03 - EQUIPMENT PLAN - AREA B**
1/8" = 1'-0"

PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17165 MARIE COMMERCON 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
LEVEL 3 EQUIPMENT PLAN AND SCHEDULE - AREA B

SHEET NO. A993B
PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND ARE NOT TO BE USED ON ANY OTHER PROJECT WITH THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

GENERAL EQUIPMENT NOTES

A. REFER TO A400 SERIES FOR ADDITIONAL INFORMATION IN REGARDS TO MOUNTING HEIGHTS AND ITEMS SHOWN BELOW THE COUNTER.
B. ALL TOILET ACCESSORIES AND SCHEDULE ARE ON A400 SERIES SHEETS. (TA-XX)
C. WALL MOUNTED MONITORS FOR EACH PATIENT ROOM ALL SHOWN ON ELEVATIONS. EACH EXAM ROOM TIME IS LABLED ONCE IS TYPICAL U.N.O.
D. FURNITURE IS NOT SHOWN FOR CLARITY.

EQUIPMENT SCHEDULE-LEVEL 4

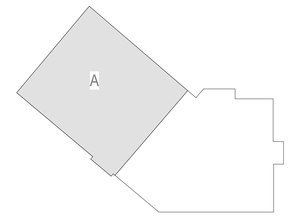
TYPE MARK	DESCRIPTION	MANUFACTURER	Model	FURNISH/ INSTALL	Level
CWS-02	COMPUTER WORKSTATION, DESKTOP (2 MONITORS	TBD	OWNER TO SELECT	OFOI	LEVEL 04
CWS-04	DUAL MONITORS ON ADJUSTABLE ARM	Steelcase	OWNER TO SELECT	OFOI	LEVEL 04
CWS-06	SINGLE COMPUTER STATION	TBD	OWNER TO SELECT	OFOI	LEVEL 04
EQ-07	MICROWAVE OVEN	TBD		OFOI	LEVEL 04
EQ-08	UNDERCOUNTER ICEMAKER	ICE-O-MATIC	GEMU090-PEARL ICE MAKER	OFOI	LEVEL 04
EQ-09	UNDERCOUNTER ICEMAKER	MANITOWOC	UNP0200	OFCI	LEVEL 04
EQ-10	REACH IN REFRIGERATOR	MIGALI	C-2R-HC	OFCI	LEVEL 04
EQ-11	REACH IN FREEZER	MIGALI	C-2F-HC	OFOI	LEVEL 04
EQ-12	ELECTRIC RANGE WITH GRIDDLE	Garland	IR-6-G24T-E	CFCI	LEVEL 04
EQ-13	WARMING CABINET	AVANTCO	177HEAT-18361	OFOI	LEVEL 04
EQ-16	DESKTOP PRINTER	TBD	OWNER TO SELECT	OFOI	LEVEL 04
EQ-20	VENDING MACHINE FOR SNACK PURCHASE	TBD	OWNER TO SELECT	OFOI	LEVEL 04
EQ-22	PROJECTION SCREEN		BY AV CONSULTANT	OFVI	LEVEL 04
EQ-25	REFRIGERATER, RESIDENTIAL FRENCH DOOR TYPE	70.25h x 35.25d x 35.625w	BASIS OF DESIGN	OFOI	LEVEL 04
EQ-32	KUERIG COFFEE MAKER-HARD PLUMBED	KUERIG		OWNER TO SELECT	OFOI	LEVEL 04
EQ-44	WIRE SHELVING-18"w X 42"D X 88"H	TBD		OWNER TO SELECT	OFOI	LEVEL 04
EQ-53	ATOMIC CLOCK			OWNER TO SELECT	CFCI	LEVEL 04
EQ-54	WALL MOUNTED WIPE HOLDER				OFCI	
EQ-71	LAUNDRY TOWER WASHER DRYER COMBO	ELECTROLUX (BOD)	ELTE7300AW	OFCI	LEVEL 04
GB-01	GLASS BOARD (48w x 36h)	TBD		OFCI	LEVEL 04
GB-02	GLASS BOARD (96w x 36h)	TBD		CFCI	LEVEL 04
MON-40	WALL MONITOR- 40" AND MOUNTING BRACKET	TBD	OWNER TO SELECT	CFCI	LEVEL 04
MON-65	WALL MOUNTED MONITOR - 65" AND MOUTING BRACKET	TBD	OWNER TO SELECT	CFCI	LEVEL 04
PH-01	PHONE		OWNER TO SELECT	OFOI	LEVEL 04
PT-02	DESKTOP PRINTER	TBD	OWNER TO SELECT	OFOI	LEVEL 04
PT-03	FULL SIZE PLOTTER	TBD	OWNER TO SELECT	OFOI	LEVEL 04
PT-04	FLOOR COPIER	TBD	OWNER TO SELECT	OFOI	LEVEL 04



A1 / A994A **LEVEL 04 - EQUIPMENT PLAN - AREA A**

1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 17168 LEANNE MARIE CORMIER 02/09/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:

LEVEL 4 EQUIPMENT PLAN AND SCHEDULE - AREA A

SHEET NO. A994A

PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN SMITH ARCHITECTURE OR ITS CONSULTANTS' COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED



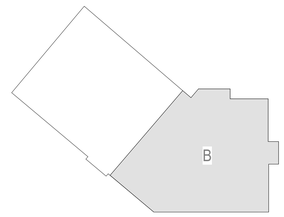
GENERAL EQUIPMENT NOTES

A. REFER TO A400 SERIES FOR ADDITIONAL INFORMATION IN REGARDS TO MOUNTING HEIGHTS AND ITEMS SHOWN BELOW THE COUNTER.
B. ALL TOILET ACCESSORIES AND SCHEDULE ARE ON A400 SERIES SHEETS. (TA-XX)
C. WALL MOUNTED MONITORS FOR EACH PATIENT ROOM ALL SHOWN ON ELEVATIONS. EACH EXAM ROOM TIME IS LABLED ONCE IS TYPICAL U.N.O.
D. FURNITURE IS NOT SHOWN FOR CLARITY.

EQUIPMENT SCHEDULE-LEVEL 4

TYPE MARK	DESCRIPTION	MANUFACTURER	Model	FURNISH/ INSTALL	Level
CWS-02	COMPUTER WORKSTATION, DESKTOP /2 MONITORS	TBD	OWNER TO SELECT	OFOI	LEVEL 04
CWS-04	DUAL MONITORS ON ADJUSTABLE ARM	Steelcase	OWNER TO SELECT	OFOI	LEVEL 04
CWS-06	SINGLE COMPUTER STATION	TBD	OWNER TO SELECT	OFOI	LEVEL 04
EQ-07	MICROWAVE OVEN	TBD		OFOI	LEVEL 04
EQ-08	UNDERCOUNTER ICEMAKER	ICE-O-MATIC	GEMU090-PEARL ICE MAKER	OFOI	LEVEL 04
EQ-09	UNDERCOUNTER ICEMAKER	MANITOWOC	UNP0200	OFCI	LEVEL 04
EQ-10	REACH IN REFRIGERATOR	MIGALI	C-2R-HC	OFOI	LEVEL 04
EQ-11	REACH IN FREEZER	MIGALI	C-2F-HC	OFOI	LEVEL 04
EQ-12	ELECTRIC RANGE WITH GRIDDLE	Garland	IR-6-G24T-E	CFCI	LEVEL 04
EQ-13	WARMING CABINET	AVANTCO	177HEAT-18360	OFOI	LEVEL 04
EQ-16	DESKTOP PRINTER	TBD	OWNER TO SELECT	OFOI	LEVEL 04
EQ-20	VENDING MACHINE FOR SNACK PURCHASE	TBD	OWNER TO SELECT	OFOI	LEVEL 04
EQ-22	PROJECTION SCREEN		BY AV CONSULTANT	OFVI	LEVEL 04
EQ-25	REFRIGERATER, RESIDENTIAL FRENCH DOOR TYPE	70.25h x 35.25d x 35.625w	BASIS OF DESIGN	OFOI	LEVEL 04
EQ-32	KUERIG COFFEE MAKER-HARD PLUMBED	KUERIG	OWNER TO SELECT	OFOI	LEVEL 04
EQ-44	WIRE SHELVING-18"w X 42"D X 88"H	TBD	OWNER TO SELECT	OFOI	LEVEL 04
EQ-53	ATOMIC CLOCK		OWNER TO SELECT	CFCI	LEVEL 04
EQ-54	WALL MOUNTED WIPE HOLDER			OFCI	
EQ-71	LAUNDRY TOWER WASHER DRYER COMBO	ELECTROLUX (BOD)	ELTE7300AW	OFCI	LEVEL 04
GB-01	GLASS BOARD (48w x 36h)	TBD		CFCI	LEVEL 04
GB-02	GLASS BOARD (96w x 36h)	TBD		CFCI	LEVEL 04
MON-40	WALL MONITOR- 40" AND MOUNTING BRACKET	TBD	OWNER TO SELECT	CFCI	LEVEL 04
MON-65	WALL MOUNTED MONITOR - 65" AND MOUTING BRACKET	TBD	OWNER TO SELECT	CFCI	LEVEL 04
PH-01	PHONE		OWNER TO SELECT	OFOI	LEVEL 04
PT-02	DESKTOP PRINTER	TBD	OWNER TO SELECT	OFOI	LEVEL 04
PT-03	FULL SIZE PLOTTER	TBD	OWNER TO SELECT	OFOI	LEVEL 04
PT-04	FLOOR COPIER	TBD	OWNER TO SELECT	OFOI	LEVEL 04

KEY PLAN



A1 / A994B — **LEVEL 04 - EQUIPMENT PLAN - AREA B**
1/8" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

MPS ARCHITECTS, P.C. CERT. NO. 54314 REGISTERED ARCHITECTURAL CORPORATION CHARLOTTE, NORTH CARLOTTA

NORTH CAROLINA REGISTERED SEAL 17168 MARIE COMMERCIAL 02/06/26

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
LEVEL 4 EQUIPMENT PLAN AND SCHEDULE - AREA B

SHEET NO. A994B
PROJ. NO. 024370.01

PROJECT NORTH

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF SIGNED CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR DELIVERED TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

ELECTRICAL LEGEND (SEE RELATED SPECIFICATION SECTIONS FOR ADDITIONAL DETAILS AND REQUIREMENTS)

SYMBOL	DESCRIPTION
	2x4 LIGHT FIXTURE, RECESSED OR SURFACE MOUNTED
	2x2 LIGHT FIXTURE, RECESSED OR SURFACE MOUNTED
	4FT OR 8FT LIGHT FIXTURE, RECESSED OR SURFACE MOUNTED
	4FT OR 8FT CHANNEL LIGHT FIXTURE, SUSPENDED OR SURFACE MOUNTED
	UNDER COUNTER LIGHT FIXTURE
	DIRECT/INDIRECT FIXTURE, SUSPENDED
	TRACK WITH LIGHT KIT
	RECESSED LIGHT FIXTURE
	SURFACE LIGHT FIXTURE
	RECESSED WALL WASH LIGHT FIXTURE
	WALL MOUNTED LIGHT FIXTURE
X, EM	HATCH INDICATES LIGHT FIXTURE SERVES AS EMERGENCY LIGHTING AND IS FED FROM THE LIFE SAFETY BRANCH FROM THE GENERATOR.
	EXIT SIGN, SINGLE FACE, CEILING, CHEVRON INDICATES DIRECTION.
	EXIT SIGN, DOUBLE FACE, CEILING MOUNTED, CHEVRON INDICATES DIRECTION.
	EXIT SIGN W/EMERGENCY LIGHTING UNIT, CEILING MOUNTED, CHEVRON INDICATES DIRECTION.
	EXIT SIGN, SINGLE FACE, WALL/END MOUNTED, CHEVRON INDICATES DIRECTION.
	EXIT SIGN, DOUBLE FACE, WALL/END MOUNTED, CHEVRON INDICATES DIRECTION.
	EXIT SIGN W/EMERGENCY LIGHTING UNIT, WALL/END MOUNTED, CHEVRON INDICATES DIRECTION.
	EMERGENCY LIGHTING UNIT, 2-HEAD WITH BATTERY BACK-UP, WALL MOUNTED, "NOT SWITCHED"
	EMERGENCY LIGHTING UNIT, 2-HEAD WITH BATTERY BACK-UP, CEILING MOUNTED, "NOT SWITCHED"
	**FOR ALL LIGHTING FIXTURE TYPES ABOVE: LETTER ADJACENT TO FIXTURE INDICATES FIXTURE TYPE, SEE LIGHTING FIXTURE SCHEDULE
	POWER & SWITCH LEG
	UNSWITCHED LEG
	CONDUIT, HOME RUN TO PANEL BOARD
PC	PHOTOCELL, REMOTE MOUNTED, 120VAC, 10 SECOND TIME DELAY, UL WET LOCATION, RATED FOR 1500 W @ 120VAC AND 4000 W @ 277VAC FOR USE WITH LAMP SOURCE(S) SHOWN.
$	SWITCH, SINGLE POLE, 120/277VAC, 20A, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED, SEE ELECTRICAL DEVICES MOUNTING HEIGHT DETAIL. LOWER CASE LETTER INDICATES FIXTURE SWITCHING, WHEN INDICATED.
$3	3-WAY SWITCH, 120/277VAC, 20A, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED SEE ELECTRICAL DEVICES MOUNTING HEIGHT DETAIL. LOWER CASE LETTER INDICATES FIXTURE SWITCHING, WHEN INDICATED.
$4	4-WAY SWITCH 120/277VAC, 20A, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED SEE ELECTRICAL DEVICES MOUNTING HEIGHT DETAIL. LOWER CASE LETTER INDICATES FIXTURE SWITCHING, WHEN INDICATED.
$$	INDICATES BI-LEVEL SWITCHING, 1 SWITCH SWITCHES OUTSIDE LAMPS, 1 SWITCH SWITCHES INSIDE LAMPS. SEE ELECTRICAL DEVICES MOUNTING HEIGHT DETAIL. LOWER CASE LETTER INDICATES FIXTURE SWITCHING, WHEN INDICATED.
$WP	WEATHERPROOF SWITCH, SINGLE POLE 120/277VAC, 20A, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED.
D$	DIMMER SWITCH, 0-10V OR LINE VOLTAGE RATING AS REQUIRED BY LIGHTING FIXTURE(S). LINE VOLTAGE RATED DIMMERS MUST BE 1500W FOR 120 VAC AND 4000W 277VAC MINIMUM.
AFC$	ADJUSTABLE FAN CONTROL, 120/277VAC, SINGLE POLE, 20A, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED, SEE ELECTRICAL DEVICES MOUNTING HEIGHT DETAIL. LOWER CASE LETTER INDICATES FIXTURE SWITCHING, WHEN INDICATED

SYMBOL	DESCRIPTION
OS	CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR, 360° COVERAGE 2 = SECOND CONTACT FOR CONNECTION TO BUILDING MANAGEMENT
OS	CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR, LONG RANGE 360° COVERAGE 2 = SECOND CONTACT FOR CONNECTION TO BUILDING MANAGEMENT
WS	WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR, 180° COVERAGE 2 = SECOND CONTACT FOR CONNECTION TO BUILDING MANAGEMENT
WS	WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR, OCCUPANCY SENSOR, LOW VOLTAGE (24VDC) 19mA DRAW, LONG RANGE SENSOR. INSTALL WHERE FREE OF OBSTRUCTIONS.
OS	WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR, LOW VOLTAGE (24VDC) 19mA DRAW, TWO SIDED AISLEWAY. INSTALL WHERE FREE OF OBSTRUCTIONS.
o$	WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR, SINGLE BUTTON ON/OFF CONTROL, 180° COVERAGE, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED.
o$2	WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR, DUAL BUTTON ON/OFF CONTROL, 180° COVERAGE, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED.
o$D	WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR, DUAL BUTTON ON/OFF CONTROL WITH 0-10V DIMMING, 180° COVERAGE, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED.
o$F	WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR, DUAL BUTTON ON/OFF CONTROL, 180° COVERAGE, ADDITIONAL ACCESSORIES FOR FAN OPERATION, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED.
$T	WALL MOUNTED DIGITAL TIMED SWITCH (5 MIN'S TO 12 HR'S), SINGLE BUTTON ON/OFF CONTROL, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED.
	RECESSED SINGLE/DOUBLE GANG BOX WITH BLANK COVER PLATE, MOUNTED 16" AFF, UNLESS OTHERWISE NOTED
	RECESSED DEDICATED/PICTURE/CLOCK SINGLE OUTLET, 120VAC, 20A, MOUNTED AS INDICATED ON DRAWING.
	RECEPTACLE, DUPLEX, 120VAC, 20A, MOUNTED 16" AFF, UNLESS OTHERWISE NOTED. (SEE ELECTRICAL MOUNTING HEIGHT DETAIL)
	RECEPTACLE, DUPLEX, 120VAC, 20A, MOUNTED 6" ABOVE COUNTER TOP OR BACK SPLASH.
	RECEPTACLE, QUADRUPLEX, 120VAC, 20A MOUNTED 16"AFF UNLESS OTHERWISE NOTED (SEE ELECTRICAL MOUNTING HEIGHT DETAIL)
	RECEPTACLE, QUADRUPLEX, 120VAC, 20A, MOUNTED 6" ABOVE COUNTER TOP OR BACK SPLASH.
	RECEPTACLE, DUPLEX, GROUND FAULT CIRCUIT INTERRUPTER TYPE, 120VAC, 20A, MOUNTED 16" AFF, UNLESS OTHERWISE NOTED. (SEE ELECTRICAL MOUNTING HEIGHT DETAIL)
	RECEPTACLE, DUPLEX, GROUND FAULT CIRCUIT INTERRUPTER TYPE, 120VAC, 20A, MOUNTED 6" ABOVE COUNTER TOP OR BACK SPLASH.
	RECEPTACLE, QUADRUPLEX, GROUND FAULT CIRCUIT INTERRUPTER TYPE, 120VAC, 20A, MOUNTED 16"AFF UNLESS OTHERWISE NOTED (SEE ELECTRICAL MOUNTING HEIGHT DETAIL)
WP WALL	RECEPTACLE, QUADRUPLEX, GROUND FAULT CIRCUIT INTERRUPTER TYPE, 120VAC, 20A, MOUNTED 6" ABOVE COUNTER TOP OR BACK SPLASH. WAP
CLNG	RECEPTACLE, 250VAC, 2 POLE, 3 WIRE, WALL MOUNTED, SIZE AS INDICATED ON DRAWING
	RECEPTACLE, 480VAC, 2 POLE, 3 WIRE, WALL MOUNTED, SIZE AS INDICATED ON DRAWING
	RECEPTACLE, DUPLEX, 120VAC, 20A CEILING MOUNTED (LAY-IN / GYPBOARD / SUSPENDED)
	RECEPTACLE, DUPLEX, 120VAC, 20A RECESSED FLOOR MOUNTED.
	UPS FED RECEPTACLE, DUPLEX, 120VAC, 20A, MOUNTED 16" AFF, UNLESS OTHERWISE NOTED. (SEE ELECTRICAL MOUNTING HEIGHT DETAIL)
	UPS FED RECEPTACLE, QUADRUPLEX, 120VAC, 20A, MOUNTED 16" AFF, UNLESS OTHERWISE NOTED. (SEE ELECTRICAL MOUNTING HEIGHT DETAIL)
	**FOR ALL RECEPTACLE TYPES ABOVE: +XX"- INDICATES MOUNTING HEIGHT OF DEVICE IN INCHES AFF (IF GIVEN) (SEE ELECTRICAL MOUNTING HEIGHT DETAIL) WP - LISTED WEATHER-RESISTANT TYPE DEVICE WITH WEATHERPROOF WHILE IN USE COVER TR - TAMPER RESISTANT S - INDICATES THE TOP RECEPTACLE OF THE DEVICE IS CONTROLLED VIA WALL SWITCH H - DEVICE MOUNTED HORIZONTALLY U - DUPLEX RECEPTACLE WITH 2 USB-C CHARGER PORTS
30A/3/4X, W/ 30AF	DISCONNECT SWITCH, FUSED, HEAVY DUTY, SIZE AS INDICATED ON DRAWINGS (SIZE AS INDICATED IN THE EQUIPMENT CONNECTION SCHEDULE) ##A = DISCONNECT SIZE / # = NUMBER OF POLES / # = NEMA RATING, /###AF = FUSE SIZE
CB	ENCLOSED CIRCUIT BREAKER, SIZE AS INDICATED ON DRAWINGS ##A = BREAKER SIZE / # = NUMBER OF POLES / # = NEMA RATING
	VARIABLE FREQUENCY DRIVE (VFD)
"Equip" #AMP HMCP (#HP) NEMA #	COMBINATION STARTER WITH CIRCUIT BREAKER DISCONNECT, FULL VOLTAGE, NON-REVERSING, (600VAC, 3P, NEMA)
M##	MANUAL MOTOR STARTER, ELECTRICAL CONTRACTOR SHALL COORDINATE POLES AND SIZE WITH EQUIPMENT ## = AMPERAGE RATING WHEN INDICATED ON DRAWING
	SINGLE PUSHBUTTON CONTROLLER

SYMBOL	DESCRIPTION
	TWO PUSHBUTTON START/STOP CONTROLLER
	THREE PUSHBUTTON UP/STOP/DN CONTROLLER
EPO	WALL MOUNTED 120V EMERGENCY OFF PUSH BUTTON WITH RED MUSHROOM STYLE HEAD WITH MANUAL PULL TO RES-ET, NORMALLY OPEN, WITH CLEAR PROTECTIVE COVER. MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED. WP = WEATHERPROOF WHEN INDICATED
	WALL MOUNTED PUSHPLATE, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED.
208/120V 480/277V	PANELBOARD, SURFACE OR RECESSED MOUNTED AS SHOWN. SIZE, RATINGS, AND MOUNTING AS INDICATED ON PANEL SCHEDULE. CONTRACTOR IS RESPONSIBLE FOR REQUIRED WORKING CLEARANCE IN FRONT OF ELECTRICAL PANEL AND DEDICATED SPACE ABOVE AND BELOW. SEE NEC TABLE 110.26 WORKING SPACES FOR ADDITIONAL CLEARANCE CONDITIONS.
	DRY TYPE TRANSFORMER, SIZE AS INDICATED ON DRAWING
	UTILITY REVENUE METER
PP	SERVICE POLE, EXTRUDED ALUMINUM SERVICE POLE, MULTI-SERVICE, TWO-CHANNEL POLE WITH (2) 20AMP DUPLEX RECEPTACLES, (2) DATA DROPS, (1) VOICE. ADJUSTABLE T-BAR ASSEMBLY FOR MOUNTING POLES IN CEILING.
M	ELECTRICAL MOTOR
	GROUND BUS, "E" INDICATES ELECTRICAL GROUND BAR, "TG" INDICATES TELECOMMUNICATIONS GROUND BAR
	CABLE TRAY, LADDER TYPE
	CABLE TRAY, CENTER HUNG TYPE
	CABLE TRAY, BASKET TYPE
	HAND HOLE, IN GRADE, TIER RATING AS INDICATED ON DRAWING
1	DEMOLITION KEY NOTE SYMBOL
1	KEY NOTE SYMBOL
1	REVISION DELTA
	WIRELESS ACCESS POINT, 1 CAT6 DATA CABLE IN A DUAL GANG BOX WITH A SINGLE GANG PLASTER RING, OWNER SHALL PROVIDE SURGE PROTECTOR AND WAP DEVICE, THE ELECTRICAL CONTRACTOR SHALL INSTALL. WP - LISTED WEATHER-RESISTANT TYPE DEVICE
TX/RX	ACCESS CONTROL TRANSMITTER/RECEIVER, 1 CAT6 DATA CABLE IN A DUAL GANG BOX WITH A SINGLE GANG PLASTER RING, OWNER ACCESS CONTROLS VENDOR SHALL PROVIDE AND TRANSMITTER/RECEIVER, THE ELECTRICAL CONTRACTOR SHALL INSTALL.
1V/1D	COMBINATION DATA/TELEPHONE OUTLET, DUAL GANG BOX WITH A SINGLE GANG PLASTER RING MOUNTED 18" AFF UNLESS OTHERWISE NOTED. PROVIDE 1 1/4" CONDUIT TO ABOVE ACCESSIBLE GRID CEILING W/PULL STRING FOR OUTLETS LOCATED BELOW HARD (GYPBOARD) CEILINGS, ROUTE 1 1/4" CONDUIT TO TELEPHONE/DATA ROOM. WHEN INDICATED #V = NUMBER OF VOICE CONNECTIONS / #D = NUMBER OF DATA CONNECTIONS, IF INDICATED
	WALL TELEPHONE OUTLET, DUAL GANG BOX WITH A SINGLE GANG PLASTER RING MOUNTED 60" AFF UNLESS OTHERWISE NOTED. PROVIDE 11/4" CONDUIT TO ABOVE ACCESSIBLE GRID CEILING W/PULL STRING, FOR OUTLETS LOCATED BELOW HARD (GYPBOARD) CEILINGS. ROUTE 1 1/4" CONDUIT TO TELEPHONE/DATA ROOM OR NEAREST POINT OF CONCEALMENT.
1V/1D	COMBINATION DATA/TELEPHONE OUTLET, RECESSED CEILING MOUNTED (LAY-IN / GYPBOARD).PROVIDE 1 1/4" CONDUIT TO ADJACENT ACCESSIBLE CEILING W/PULL STRING FOR OUTLETS LOCATED BELOW HARD (GYPBOARD) CEILINGS, ROUTE 1 1/4" CONDUIT TO TELEPHONE/DATA ROOM WHEN INDICATED #V = NUMBER OF VOICE CONNECTIONS / #D = NUMBER OF DATA CONNECTIONS, IF INDICATED
4D	COMBINATION POWER/DATA FLOOR BOX, SURFACE MOUNTED POWER/DATA HUB WITH POWER TRACK AND ENTRANCE FITTING. PREWIRED QUAD RECEPTACLE, 4 DATA KEYSTONES INSTALLS ON FLOOR AND UNDER CARPET
1V/1D 2G	COMBINATION POWER/DATA/TELEPHONE FLOOR BOX, RECESSED FLOOR MOUNTED (CAST-IN-PLACE). PROVIDE BRASS COVER PLATE WITH FLUSH ACCESS COVERS FOR EACH PLUG IN CONNECTION. PROVIDE PULL STRING IN CONDUIT. SEE DETAIL #, SHEET E### #V = NUMBER OF VOICE CONNECTIONS / #D = NUMBER OF DATA CONNECTIONS; 1 1/4"CND UNDER SLAB TO NEAREST WALL, STUB ABOVE ADJACENT ACCESSIBLE CEILING #G = SIZE GANG FLOOR BOX
4D FBX	4 GANG FLOOR BOX WITH DUPLEX RECEPTACLE AND DATA CAPABILITIES (CONFIRM WITH OWNER FOR REQUIREMENTS). PROVIDE METALLIC IN-USE COVER, SIZE AS INDICATED ON DRAWINGS

SYMBOL	DESCRIPTION
	JUNCTION BOX - WALL MOUNTED +##" - INDICATES MOUNTING HEIGHT OF DEVICE IN INCHES AFF (if given)
	JUNCTION BOX - CEILING/ABOVE CEILING MOUNTED
	JUNCTION BOX - SURFACE FLOOR MOUNTED
	ELECTRIC STRIKE
	MAGNETIC LOCK
	DOOR CONTACTS
	CARD READER
	KEYPAD
	MOTION DETECTOR (TYPE DENOTED)
WP	WALL MOUNTED CAMERA, DUAL GANG BOX, 1" CONDUIT W/ PULL STRING, CAMERA AND CABLE BY OTHERS., WP INDICATES WEATHERPROOF
	CEILING MOUNTED CAMERA, DUAL GANG BOX, 1" CONDUIT W/ PULL STRING, SPEAKER AND CABLE BY OTHERS.
S	CEILING MOUNTED SPEAKER, DUAL GANG BOX, 1" CONDUIT W/ PULL STRING, SPEAKER AND CABLE BY OTHERS.
S	WALL MOUNTED SPEAKER, DUAL GANG BOX, 1" CONDUIT W/ PULL STRING, SPEAKER AND CABLE BY OTHERS.
	FLOOR MOUNTED DATA RACK
	WALL MOUNTED DATA RACK
	PROJECTOR PAN, CEILING MOUNTED, BY OTHERS
OHP	OVERHEAD PRIMARY CONDUCTORS
(X)OHP	OVERHEAD PRIMARY CONDUCTORS - EXISTING
UGP	UNDERGROUND PRIMARY CONDUCTORS
(X)UGP	UNDERGROUND PRIMARY CONDUCTORS - EXISTING
OHS	OVERHEAD SECONDARY CONDUCTORS
(X)OHS	OVERHEAD SECONDARY CONDUCTORS - EXISTING
UGS	UNDERGROUND SECONDARY CONDUCTORS
(X)UGS	UNDERGROUND SECONDARY CONDUCTORS - EXISTING
UGG	COPPER CLASS 1 CONDUCTOR BELOW GRADE
C	CONTROL CABLE CONDUIT
	GROUND ROD, COPPER, 3/4"DIA x 10'-0" LONG TW = TEST WELL WHEN INDICATED ON PLAN
	LIGHTNING PROTECTION AIR TERMINAL
	GROUND CONDUCTOR CABLE CONNECTOR
	GROUNDING ELECTRODE CONDUCTOR, 10' COILED ABOVE GRADE
	SMOKE PARTITION
	30 MINUTE FIRE PARTITION
	1 HOUR FIRE PARTITION
	1 HOUR FIRE BARRIER
	1 HOUR SMOKE BARRIER
	2 HOUR FIRE BARRIER
	2 HOUR SMOKE BARRIER
	2 HOUR FIRE WALL

TYPICAL ABBREVIATIONS:

A, AMP	AMPERE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AIC	AMPERE INTERRUPTING CAPACITY
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BOF	BOTTOM OF FIXTURE
BRKR	BREAKER
C, CND	CONDUIT
CAB	CABINET
CAT	CATALOG
CL	CHLORINE
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CLG	CEILING
CP	CONTROL PANEL
CR	CONTROL RELAY, CORROSION RESISTANT
CS	CONTROL SWITCH
CV	CONTROL VALVE
CT	CURRENT TRANSFORMER
CU	COPPER
EF	EXHAUST FAN
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
ENCL	ENCLOSURE
EQ, EQIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EPRF	EXPLOSION PROOF
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FBO	FURNISHED BY OTHERS
FLA	FULL LOAD AMPS
FLUOR	FLUORESCENT
FLR	FLOOR
FWE	FURNISHED WITH EQUIPMENT
GEN	GENERATOR
G, GND	GROUND
GFI, GFCI	GROUND FAULT CIRCUIT INTERRUPTER
HH	HANDHOLE
HOA	HAND-OFF-AUTO
HP	HORSE POWER
HPF	HIGH POWER FACTOR
HTR	HEATER
HV	HIGH VOLTAGE
Hz	HERTZ
I.F.P.	INTERACTIVE FLAT PANEL
IMC	INTERMEDIATE METALLIC CONDUIT
JB	JUNCTION BOX
K	THOUSAND
Kcmil	THOUSAND CIRCULAR MILLS
KVA	KILOVOLT AMPERE
KW	KILOWATTS
KWH	KILOWATT-HOURS
LP	LIGHTING PANEL, LIGHT POLE
LTG	LIGHTING
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MDP	MAIN DISTRIBUTION PANEL
MFR	MANUFACTURER
MH	MANHOLE
MLO	MAIN LUGS ONLY
MTD	MOUNTED
MTG	MOUNTING
MTS	MANUAL TRANSFER SWITCH
MV	MEDIUM VOLTAGE
N, NEUT	NEUTRAL
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
P	POLE
PA	PUBLIC ADDRESS
PB	PULL BOX, PUSH-BUTTON
PF	POWER FACTOR
PH,φ	PHASE
PLC	PROGRAMMABLE LOGIC CONTROLLER
PNL	PANEL
PP	POWER PANEL, POWER POLE
PT	POTENTIAL TRANSFORMER
PWR	POWER
RECPT,RC	PRECEPTACLE
REQ'D	REQUIRED
RGS	RIGID GALVANIZED STEEL CONDUIT
RM	ROOM
RTU	REMOTE TELEMETRY UNIT
SCR	DC MOTOR DRIVE
SH	SHEET
SLD	SINGLE LINE DIAGRAM
SM	SURFACE MOUNTED
SPEC	SPECIFICATION
SS	SELECTOR SWITCH
SST	STAINLESS STEEL
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCH GEAR
TEL	TELEPHONE
TPS	TWISTED PAIR SHIELDED
T.S.	TEACHERS STATION
SPD	SURGE SUPPRESSION DEVICE
TYP	TYPICAL
UG, UGND	UNDERGROUND
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
UTIL	UTILITY
V	VOLTS
VFD	VARIABLE FREQUENCY DRIVE
W	WIRE, WATT
WH	WATT-HOUR
WP	WEATHERPROOF
XFMR	TRANSFORMER
(X)	EXISTING

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED IN ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY, IN THE CASE OF ELECTRONIC FILES, CERTIFIED AS HAVING BEEN ERASED, TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON REQUEST AT THE COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR PURPOSES IN CONNECTION WITH THE PROJECT DOES NOT CONSTITUTE PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. © 2026 MCMILLAN PAZDAN SMITH ARCHITECTURE ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR, BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
ELECTRICAL LEGEND AND ABBREVIATIONS

SHEET NO. E-001
PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

ELECTRICAL GENERAL NOTES:

1. ALL ELECTRICAL WORK SHALL BE IN FULL COMPLIANCE WITH NFPA 70, THE NORTH CAROLINA STATE BUILDING CODE, ALL LOCAL CODES AND ORDINANCES AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY HAVING JURISDICTION.

2. THE CONTRACTOR SHALL REVIEW THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR WORK REQUIREMENTS, THE AMOUNT OF SPACE AVAILABLE FOR ELECTRICAL EQUIPMENT, AND LAYOUT HIS WORK IN A COMPATIBLE AND COMPLEMENTARY MANNER.

3. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THOROUGHLY FAMILIARIZING HIMSELF WITH ANY CONTRACTUAL REQUIREMENTS AS MAY BE SET FORTH IN THE OTHER DIVISIONS OF THE PROJECT SPECIFICATIONS.

4. UNLESS SPECIFICALLY NOTED OTHERWISE, SYSTEMS PROVIDED OR INSTALLED BY THE CONTRACTOR SHALL BE COMPLETE AND FULLY-FUNCTIONING AFTER INSTALLATION. INCIDENTAL COMPONENTS MAY NOT BE SHOWN, AND ALL WORK WHICH MAY BE REASONABLY IMPLIED AS BEING INCIDENTAL TO THIS WORK, BUT REQUIRED FOR THE PROPER OPERATION OF THE EQUIPMENT OR SYSTEM, SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER. ADDITIONAL CIRCUITS SHALL BE INSTALLED WHEREVER NEEDED TO CONFORM TO THE SPECIFIC REQUIREMENTS OF EQUIPMENT.

5. BIDDERS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODES, THE CONSTRUCTION DOCUMENTS NOTWITHSTANDING.

6. TEMPORARY POWER CONNECTIONS AS REQUIRED SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER. ALL TEMPORARY EQUIPMENT WIRING SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE. FURNISH AND INSTALL ALL EQUIPMENT AND MATERIALS INCLUDING CONTROL EQUIPMENT, MOTOR STARTERS, BRANCH AND FEEDER CIRCUIT BREAKERS, PANELBOARDS, TRANSFORMERS, ETC. FOR TEMPORARY POWER. COORDINATE WITH THE ELECTRICAL UTILITY COMPANY AS REQUIRED.

7. THE WORK SHALL INCLUDE COMPLETE TESTING OF ALL EQUIPMENT AND WIRING AT THE COMPLETION OF WORK AND ANY MINOR CORRECTIONS, CHANGES OR ADJUSTMENTS NECESSARY FOR THE PROPER FUNCTIONING OF THE SYSTEM AND EQUIPMENT.

8. ALL ELECTRICAL EQUIPMENT SHALL, AT ALL TIMES DURING CONSTRUCTION, BE ADEQUATELY PROTECTED AGAINST MECHANICAL INJURY, OR DAMAGE BY WATER AND/OR THE ELEMENTS. ELECTRICAL EQUIPMENT SHALL BE STORED IN DRY PERMANENT SHELTERS. PROVIDE HEATING FOR EQUIPMENT SUBJECT TO MOISTURE DAMAGE OR DAMAGE FROM CONDENSATION. IF AN APPARATUS HAS BEEN DAMAGED, OR HAS BEEN SUBJECT TO POSSIBLE INJURY BY WATER OR THE ELEMENTS, SUCH DAMAGE SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER.

9. DO NOT SCALE ELECTRICAL DRAWINGS. REFER TO THE ARCHITECTURAL DRAWINGS FOR DIMENSIONS. FIELD VERIFY ALL DIMENSIONS.

10. ELECTRICAL DISTRIBUTION EQUIPMENT AND OVERCURRENT PROTECTIVE DEVICES RATINGS SHALL BE SUBJECT TO THE RESULTS OF THE SHORT CIRCUIT AND SELECTIVE COORDINATION STUDY.

11. CIRCUIT LAYOUTS ARE NOT INTENDED TO SHOW THE NUMBER OF FITTINGS, OR OTHER INSTALLATION DETAILS. UNLESS NOTED OTHERWISE, THE EXACT ROUTING OF FEEDER AND BRANCH CIRCUIT RACEWAYS AND CABLES IS THE RESPONSIBILITY OF THE CONTRACTOR. RISER AND GENERAL CIRCUIT ARRANGEMENTS ARE SHOWN SCHEMATICALLY/DIAGRAMMATICALLY ONLY. THE CONTRACTOR SHALL ROUTE CONDUITS AND CABLES AS REQUIRED BY THE CONDITIONS OF THE INSTALLATION.

12. UNLESS DIMENSIONED, DEVICE LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. ADJUST EXACT LOCATIONS AS REQUIRED TO SERVE THE INTENDED PURPOSE AND TO AVOID CONFLICTS AND INTERFERENCES WITH OTHER TRADES. EXACT DEVICE LOCATIONS SHALL BE AS INDICATED ON THE ARCHITECTURAL DRAWINGS OR AS DIMENSIONED. IF NOT SHOWN ON THE ARCHITECTURAL DRAWINGS OR DIMENSIONED ON THE ELECTRICAL DRAWINGS, VERIFY EXACT LOCATION WITH THE ARCHITECT/ENGINEER PRIOR TO ROUGH-IN.

13. CONDUIT TERMINATING IN PRESSED STEEL BOXES SHALL HAVE DOUBLE LOCKNUTS AND INSULATED BUSHINGS. CONDUITS TERMINATING IN GASKETED ENCLOSURES SHALL BE TERMINATED WITH GROUNDING TYPE CONDUIT HUBS.

14. DEVICE BOXES SHOWN BACK-TO-BACK SHALL BE OFFSET A MINIMUM OF TWELVE (12) INCHES TO REDUCE SOUND TRANSMISSION BETWEEN ROOMS.

15. THE DRAWINGS INDICATE THE NUMBER OF BRANCH CIRCUIT HOMERUN PHASE CONDUCTORS VIA ARROWHEADS. PROVIDE NEUTRAL AND EQUIPMENT GROUND CONDUCTORS AS REQUIRED. ADDITIONAL CONDUCTORS REQUIRED FOR CONTROL SHALL BE INCLUDED EVEN IF NOT EXPLICITLY SHOWN.

16. SEAL ALL CONDUIT OPENINGS THROUGH EXTERIOR BUILDING WALLS WATERTIGHT.

17. ALL EXTERIOR WIRING DEVICES, BOXES, ETC. SHALL BE WEATHERPROOF. LIGHTING FIXTURES SHALL BE APPROPRIATELY RATED AND LISTED FOR THE INSTALLED ENVIRONMENT.

18. LIGHTING FIXTURES MOUNTED IN FIRE-RATED CEILINGS SHALL BE PROVIDED WITH ACCESSORIES NECESSARY TO MAINTAIN THE CEILING FIRE RATING. MAINTAIN CEILING FIRE RATINGS WITH ALL NECESSARY LIGHTING FIXTURE TRIM, ACCESSORIES, OPTIONS AND/OR FIELD FABRICATED SHROUDS COMPLYING WITH ALL APPLICABLE CODES.

19. RACEWAYS AND CABLES PENETRATING FLOORS, CEILINGS OR WALLS SHALL BE PROPERLY SEALED SMOKETIGHT.

20. RACEWAYS AND CABLES PENETRATING RATED CEILING OR WALL ASSEMBLIES SHALL BE PROPERLY SEALED IN ACCORDANCE WITH THE CORRESPONDING THIRD PARTY TESTING AGENCY APPROVED AND LISTED FIRESTOPPING MATERIALS AND MANUFACTURER APPROVED INSTALLATION TECHNIQUES COMPLYING WITH ALL APPLICABLE CODES. SEE ARCHITECTURAL DRAWINGS FOR IDENTIFICATION OF RATED WALLS AND CEILINGS.

21. INSTALL EXPOSED RACEWAYS PARALLEL TO OR AT RIGHT ANGLES TO NEARBY SURFACES OR STRUCTURAL MEMBERS, AND FOLLOW THE SURFACE CONTOURS AS MUCH AS POSSIBLE. NO DIAGONAL RUNS WILL BE ALLOWED. ALL CONDUITS SHALL BE RUN STRAIGHT AND TRUE. RUN PARALLEL OR BANKED RACEWAYS TOGETHER ON COMMON SUPPORTS WHERE PRACTICAL. MAKE BENDS IN PARALLEL OR BANKED RUNS FROM SAME CENTERLINE TO MAKE BENDS PARALLEL.

22. PROVIDE AND PLACE ALL SLEEVES FOR CONDUITS PENETRATING WALLS, FLOORS, PARTITIONS, ETC. LOCATE ALL NECESSARY SLOTS FOR ELECTRICAL WORK AND FORM BEFORE CONCRETE IS POURED.

23. PATCHING OF WATERPROOFED SURFACES SHALL RENDER THE AREA OF THE PATCHING COMPLETELY WATERPROOF.

24. ALL MOTORS, DRY TYPE TRANSFORMERS AND OTHER VIBRATING EQUIPMENT SHALL BE CONNECTED TO THE CONDUIT SYSTEM BY MEANS OF A SHORT SECTION (18 INCH MINIMUM) OF FLEXIBLE NON-METALLIC CONDUIT UNLESS OTHERWISE INDICATED. AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED INSIDE THE FLEXIBLE CONDUIT AND TERMINATE AT THE LOAD END WITH AN APPROVED GROUNDING CLAMP OR LUG.

25. SURFACE MOUNTED PANELBOARDS, ENCLOSED CIRCUIT BREAKERS, WIRING TROUGHS, WIREWAYS, AUTOMATIC TRANSFER SWITCHES, JUNCTION, OUTLET AND PULL BOXES, RACEWAYS, ETC., INSTALLED ON EXTERIOR SURFACES OR INSIDE ON EXTERIOR WALLS SHALL BE SUPPORTED BY SPACERS TO PROVIDE A 1/4" MINIMUM CLEARANCE BETWEEN THE WALL AND EQUIPMENT.

26. CEILING MOUNTED DEVICES (EXIT LIGHTS, SMOKE DETECTORS, FA NOTIFICATION APPLIANCES, ETC.) INSTALLED IN ACOUSTICAL TILE CEILING AREAS SHALL BE SUPPORTED FROM THE STRUCTURE ABOVE WITH RODS OF SUFFICIENT SIZE TO PREVENT VERTICAL MOVEMENT OF THE OUTLET BOX. BRIDGES ALONE ARE NOT ADEQUATE UNLESS SPECIFICALLY APPROVED. CEILING MOUNTED EXIT LIGHT FIXTURES SHALL BE INSTALLED LEVEL. DO NOT SUPPORT DEVICES FROM ACOUSTICAL CEILING TILE.

27. EXCAVATION AND TRENCHING REQUIRED FOR THE INSTALLATION OF ELECTRICAL POWER AND TELECOMMUNICATIONS RACEWAYS SHALL BE PROVIDED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF DIVISION 26 OF THE PROJECT SPECIFICATIONS.

28. PRIOR TO TRENCHING IN ANY AREA, THE CONTRACTOR SHALL CONTACT ELECTRICAL, COMMUNICATIONS/DATA/FIBER, CABLE TELEVISION, GAS AND WATER UTILITY PROVIDERS AND HAVE ALL UTILITIES IN THE AREA IDENTIFIED. DAMAGE TO ANY UNDERGROUND UTILITIES OR STRUCTURES SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE PROJECT.

29. ALL UNDERGROUND RACEWAYS SHALL BE IDENTIFIED BY UNDERGROUND LINE MARKING TAPE LOCATED DIRECTLY ABOVE THE RACEWAY AT 6 TO 8 INCHES BELOW FINISHED GRADE. SEE SPECIFICATIONS SECTION 260553.

30. WHERE UNDERGROUND OR UNDER SLAB SERVICE AND FEEDER CIRCUIT RACEWAYS ARE REQUIRED TO TURN UP INTO CABINETS, EQUIPMENT, ETC., THE ELBOW REQUIRED AND THE STUB-UP OUT OF THE SLAB OR EARTH SHALL BE OF PLASTIC-COATED RIGID STEEL. ALTERNATELY, FIELD APPLIED CORROSION PROTECTION WRAP SYSTEMS UTILIZING A PRIMER, PUTTY TAPE AND ALL-WEATHER CORROSION PROTECTION TAPE MAY BE USED, IN EQUIVALENT THICKNESS TO FACTORY APPLIED MATERIALS, WITH THE SPECIFIC APPROVAL OF THE ARCHITECT/ENGINEER.

31. PROVIDE MACHINE PRINTED, LAMINATED, CLEAR WITH BLACK LETTERING, ADHESIVE BACKED RECEPTACLE DEVICE PLATE LABELS IDENTIFYING THE CIRCUIT FEEDING THE DEVICE. LABELS SHALL INDICATE PANEL AND CIRCUIT NUMBER. INSTALL CENTERED ON UPPER PORTION OF THE DEVICE PLATE. SEE SPECIFICATIONS SECTION 260553 FOR REQUIREMENTS.

32. FINAL TYPED PANELBOARD DIRECTORIES INSTALLED IN THE PANELBOARD DOOR POCKET SHALL INCLUDE FINAL ACTUAL ROOM NAMES AND NUMBERS IN ADDITION TO THE GENERAL DESCRIPTION SHOWN ON THE PANEL SCHEDULES ON THE DRAWINGS.

33. CONDUCTOR SIZING IS BASED ON 75 DEGREE C. COPPER NEC RATINGS, UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL VERIFY, PRIOR TO INSTALLATION OF CONDUCTORS OR CONDUIT FEEDING ANY EQUIPMENT, THE ELECTRICAL EQUIPMENT IS RATED FOR USE WITH 75 DEGREE C. WIRING. IF ANY EQUIPMENT IS RATED FOR USE WITH LESS THAN 75 DEGREE C. CONDUCTORS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER FOR EVALUATION/CORRECTION.

34. DO NOT PULL CONDUCTORS UNTIL THE CONDUIT SYSTEM IS COMPLETE IN EVERY DETAIL. IN THE CASE OF CONCEALED WORK, "COMPLETE" MEANS UNTIL ALL ROUGH FINISHING OR MASONRY HAS BEEN COMPLETED.

35. WHERE SIZE IS NOT SHOWN ON THE DRAWINGS, BRANCH CIRCUITS SHALL CONSIST OF #12 OR #10 AWG MINIMUM PHASE, NEUTRAL AND EQUIPMENT GROUND CONDUCTORS IN 3/4" MINIMUM RACEWAY. REFER TO THE "MINIMUM CONDUCTORS SIZE CHART" ON THE DRAWINGS AND INCREASE BRANCH AND FEEDER CONDUCTORS SIZES AS REQUIRED TO MAINTAIN A MAXIMUM OF 3% VOLTAGE DROP AT LOAD CURRENT INDICATED.

36. UNLESS NOTED OTHERWISE, ALTERNATE RECEPTACLE CIRCUITS SUCH THAT ADJACENT RECEPTACLES ARE ON DIFFERENT CIRCUITS.

37. COMMON NEUTRAL MULTIWIRE LIGHTING AND RECEPTACLE BRANCH CIRCUITS ARE NOT PERMITTED. PROVIDE SEPARATE, INDIVIDUAL NEUTRAL CONDUCTORS FOR MULTIWIRE BRANCH CIRCUITS.

38. KEEP CONDUCTOR SPLICES TO A MINIMUM. INSTALL SPLICES AND TAPES THAT POSSESS EQUIVALENT OR BETTER MECHANICAL STRENGTH AND INSULATION RATINGS THAN CONDUCTORS BEING SPLICED. USE SPLICE AND TAP CONNECTORS COMPATIBLE WITH CONDUCTOR MATERIAL. INSTALL CONDUCTORS AT EACH OUTLET WITH AT LEAST 6 INCHES OF SLACK. CONNECT OUTLETS AND COMPONENTS TO WIRING AND TO GROUND AS INDICATED AND INSTRUCTED BY THE MANUFACTURER.

39. DO NOT SPLICE BRANCH CIRCUIT HOMERUNS WITHOUT THE PERMISSION OF THE ARCHITECT/ENGINEER. HOMERUNS SHALL BE CONTINUOUS FROM THE LAST OUTLET BOX TO THE SERVING PANELBOARD.

40. DO NOT COMBINE BRANCH CIRCUIT HOMERUNS UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS.

41. DO NOT CHANGE CIRCUITING SHOWN WITHOUT PERMISSION OF THE ARCHITECT/ENGINEER.

42. TROUGH TAPS SHALL BE AT SWITCH/CIRCUIT BREAKER AMPACITY, UNLESS NOTED OTHERWISE.

43. INSTALL WIRING DEVICES AT HEIGHTS AS SHOWN ON THE DRAWINGS. ALSO COORDINATE MOUNTING HEIGHTS WITH THE ARCHITECTURAL DRAWINGS AND CASEWORK DETAILS. IF CONFLICTING, ARCHITECTURAL DRAWINGS AND DETAILS SHALL GOVERN.

44. PROVIDE GROUND FAULT CIRCUIT-INTERRUPTER (GFCI) PROTECTION FOR PERSONNEL IN ACCORDANCE WITH THE NEC INCLUDING ALL ELECTRIC WATER COOLERS, EXTERIOR RECEPTACLES AND RECEPTACLES IN AREAS SUBJECT TO POSSIBLE WET CONDITIONS. ALL RECEPTACLES INSTALLED WITHIN 6 FEET OF A SINK SHALL BE GFI PROTECTED. ALL RECEPTACLES IN NON-RESIDENTIAL KITCHENS SHALL BE GFI PROTECTED.

45. GFCI RECEPTACLES SHALL BE READILY ACCESSIBLE AFTER INSTALLATION. IF CONDITIONS OF THE INSTALLATION TO NOT ALLOW FOR READY ACCESS, PROVIDE A STANDARD RECEPTACLE AND PROVIDE A GFCI CIRCUIT BREAKER TO FEED THE CIRCUIT.

46. IN AREAS IN WHICH DUAL LEVEL SWITCHING IS INDICATED (TYPICALLY BY 2 OR MORE ADJACENT, GANGED SWITCHES), PROVIDE THE APPROPRIATE NUMBER OF CONDUCTORS TO FACILITATE THIS FUNCTION (AS TYPICALLY SHOWN).

47. CONNECT BATTERY PACK TYPE EMERGENCY AND EXIT LIGHTING FIXTURES TO THE UNSWITCHED LIGHTING CIRCUIT SERVING THE SPACE LIGHTED BY THE EMERGENCY AND EXIT FIXTURES. THESE CONNECTIONS ARE INTENTIONALLY NOT SHOWN TO MAINTAIN DRAWING CLARITY.

48. COORDINATE LIGHTING FIXTURE LOCATIONS WITH THE ARCHITECTURAL REFLECTED CEILING PLAN. IF CONFLICTS ARE NOTED, REQUEST CLARIFICATION FROM THE ARCHITECT/ENGINEER BEFORE PROCEEDING.

49. ADJACENT SWITCHES SHALL BE GANGED.

50. ADJACENT RECEPTACLES AND DATA/TELEPHONE OUTLETS SHALL BE INSTALLED 6 INCHES CENTER TO CENTER AND SHALL BE AT THE SAME ELEVATION.

51. SEPARATE NEUTRALS ARE REQUIRED FOR ALL LINE VOLTAGE DIMMED LIGHTING CIRCUITS.

52. WHERE THE DRAWINGS INDICATE A LIGHTING FIXTURE IS TO BE PROVIDED WITH SPECIAL FEATURES/SWITCHING (DIMMING, MULTI-LEVEL, ETC.), THE CONTRACTOR SHALL PROVIDE THESE FIXTURES WITH THE APPROPRIATE DRIVERS/CONTROLS/LV CABLES TO ACCOMMODATE THE SPECIAL FEATURE. THE CONTRACTOR SHALL PROVIDE THE FIXTURES AS INDICATED IN THE LIGHTING FIXTURE SCHEDULE WITH MODIFICATIONS AS REQUIRED BY DRAWING NOTES.

53. COORDINATE LOCATIONS OF PLUMBING, MECHANICAL, FOOD SERVICE, DATA, FIRE ALARM, AND AUDIO/VISUAL EQUIPMENT AND OF OWNER-PROVIDED EQUIPMENT WITH THE RESPECTIVE CONTRACTORS AND VENDORS AND THE OWNER BEFORE ROUGH-IN. ADJUST LIGHTING FIXTURES, RECEPTACLES AND ELECTRICAL EQUIPMENT TO ACCOMMODATE THIS EQUIPMENT. ADVISE THE ARCHITECT/ENGINEER OF CONFLICTS BEFORE ROUGH-IN.

54. THE LOCATIONS OF ELECTRICAL EQUIPMENT SERVING PLUMBING, MECHANICAL, FOOD SERVICE, DATA, FIRE ALARM, AND AUDIO/VISUAL EQUIPMENT AND OF OWNER-PROVIDED EQUIPMENT MAY NOT BE SHOWN PRECISELY ON THE ELECTRICAL DRAWINGS DUE TO THE VARIABILITY OF SPACE AND EQUIPMENT ROOM ARRANGEMENTS AND THE EQUIPMENT PROVIDED. LOCATIONS OF ELECTRICAL EQUIPMENT, PANELBOARDS, WIRING TROUGHS, LOCAL DISCONNECTING MEANS, ETC. SHALL BE COORDINATED WITH THE RESPECTIVE CONTRACTORS AND VENDORS PRIOR TO ROUGH-IN. LOCATE AND/OR ADJUST EQUIPMENT LOCATIONS SHOWN IN CONSULTATION WITH OTHER TRADES TO MAINTAIN VISIBILITY OF THE EQUIPMENT FROM DISCONNECTING MEANS AND PROVIDE ACCESS AND WORKING SPACE IN COMPLIANCE WITH CODES.

55. LIGHTING FIXTURES INSTALLED IN EQUIPMENT ROOMS ARE SHOWN TO BE INSTALLED ON THE BOTTOM OF THE EXPOSED STRUCTURE. THE CONTRACTOR SHALL NOT INSTALL FIXTURES ABOVE DUCTWORK OR OTHER EQUIPMENT WHICH BLOCKS LIGHT FROM REACHING THE FLOOR. FIELD ADJUST FIXTURE LOCATIONS TO AVOID DUCTWORK AND OTHER EQUIPMENT WHICH INTERFERES WITH INTENDED LIGHTING OF THE SPACE. INSTALL FIXTURES ON WALLS IN SPACES WHERE FIXTURE OUTPUT WOULD OTHERWISE BE BLOCKED. COORDINATE RELOCATIONS WITH THE ARCHITECT/ENGINEER PRIOR TO INSTALLTION.

56. BEFORE COMMENCING WORK OR ORDERING MATERIALS, THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES AND EQUIPMENT VENDORS AND VERIFY THE NAMEPLATE RATINGS OF ALL EQUIPMENT (MOTORS, HEATERS, COMPRESSORS, ETC.) AND ADJUST THE RATINGS OF THE ELECTRICAL EQUIPMENT (SWITCHES, FUSES, CIRCUIT BREAKERS, CONDUCTORS, RACEWAYS, ETC.) AS APPROPRIATE TO SERVE THIS EQUIPMENT.

57. ENERGIZE EQUIPMENT ONLY AFTER OBTAINING PERMISSION FROM THE CONTRACTOR OR ENTITY PROVIDING THE EQUIPMENT.

58. THE CONTRACTOR SHALL COORDINATE ALL EQUIPMENT TERMINATIONS, PLUGS AND CORDSETS WITH VENDOR EQUIPMENT AND VERIFY ALL DEVICE LOCATIONS FOR SPECIALTY EQUIPMENT WITH CASEWORK PRIOR TO ROUGH-IN.

59. THE LAYOUT AND PLACEMENT OF ELECTRICAL DISTRIBUTION EQUIPMENT IN ELECTRICAL AND MECHANICAL EQUIPMENT ROOMS IS BASED ON MAJOR EQUIPMENT MANUFACTURER'S PUBLISHED EQUIPMENT SIZES AND SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE. DEVIATIONS FROM CONFIGURATIONS SHOWN IS THE RESPONSIBILITY OF THE CONTRACTOR. PROVIDE NATIONAL ELECTRIC CODE REQUIRED CLEARANCES AND DEDICATED SPACE FOR ALL ELECTRICAL EQUIPMENT, SWITCHBOARDS, PANELBOARDS, AUTOMATIC TRANSFER SWITCHES, SAFETY SWITCHES, ENCLOSED CIRCUIT BREAKERS, ETC. COORDINATE RESOLUTION OF CONFLICTS WITH OTHER TRADES. ADVISE THE ARCHITECT/ENGINEER OF CONFLICTS BEFORE ROUGH-IN.

60. COORDINATION WITH THE ELECTRICAL UTILITY COMPANY IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. COORDINATE WITH THE UTILITY COMPANY FOR PLACEMENT OF THE UTILITY'S FACILITIES AND THE CONTRACTOR'S SERVICE ENTRANCE RACEWAYS AND FOR CONNECTIONS TO THE CONTRACTOR'S SERVICE ENTRANCE CONDUCTORS.

61. EXACT SPACING OF SMOKE AND HEAT DETECTORS AND A/V DEVICES SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE WITH POSITIONS SHOWN ON THE DRAWINGS. DETECTOR SPACING IS BASED UPON NFPA 72 INCLUDING APPENDIX A. SLIGHT ADJUSTMENTS MAY BE MADE IN SPACING IF REQUIRED BY FIELD CONDITIONS, BUT SPACING SHALL NOT EXCEED ADA, NFPA AND EQUIPMENT MANUFACTURERS SPACING CRITERIA. DO NOT INSTALL SMOKE DETECTORS WITHIN 3 FEET OF SUPPLY AIR DIFFUSERS OR RETURN GRILLES. PROVIDE CABLE OR FLEX CONDUIT CONNECTION TO SMOKE AND HEAT DETECTORS OF ADEQUATE LENGTH TO ALLOW HORIZONTAL ADJUSTMENT OF FOUR FEET FROM POSITION INDICATED ON DRAWINGS.

62. SHOP DRAWINGS MUST BE SUBMITTED BY THE FIRE ALARM CONTRACTOR COMPLYING WITH THE LOCAL FIRE MARSHAL'S FIRE ALARM PLAN REVIEW REQUIREMENTS POLICY BEFORE PERMITTING BY THE AUTHORITY HAVING JURISDICTION (AHJ). THESE DRAWINGS DO NOT CONSTITUTE APPROVAL AND MAY CHANGE AFTER A FULL REVIEW BY THE AHJ. A SEPARATE PERMIT MUST BE OBTAINED PRIOR TO INSTALLATION.

63. INSTALLATION INFORMATION PACKED WITH LIGHTING FIXTURES, DEVICES AND EQUIPMENT SHALL BE RETAINED FOR INCLUSION IN THE OPERATIONS AND MAINTENANCE MANUALS.

64. SAFETY COMPLY WITH OSHA AND NEC ARC FLASH PROTECTION REQUIREMENTS.

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLIETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
ELECTRICAL GENERAL NOTES

SHEET NO. E-002
PROJ. NO. 024370.00

GENERAL NOTES - SLEEVES & SPARE CONDUITS:

1. PROVIDE PIPE SLEEVES TO REACH EACH GRASSED ISLAND AND FIELD THAT IS WITHN THE PROJECT BOUNDARIES, AS FOLLOWS:
   (2) ELECTRICAL SLEEVES (4" SCHEDULE 40 ELECTRICAL GRADE PVC PIPE)
   (1) IRRIGATION SLEEVE (4" SCHEDULE 40 PVC PIPE)
2. PAVED ROAD / DRIVE AREA SLEEVING IS TO BE 36" DEEP, UNLESS OTHER UTILITIES REQUIRE OTHERWISE. UNDER CONCRETE WALKS, SLEEVING IS TO BE 18" DEEP, UNLESS OTHER UTILITIES REQUIRE OTHERWISE. GC IS TO COORDINATE.
3. EXTEND THE SLEEVE ENDS 18" PAST CONCRETE WALKS AND 24" MIN. PAST DRIVES, AND CAP OFF BOTH ENDS OF EACH SLEEVE.
4. IDENTIFY BY UNDERGROUND LINE MARKING TAPE LOCATED DIRECTLY ABOVE THE RACEWAY AT 6 TO 8 INCHES BELOW FINISHED GRADE. SEE SPECIFICATIONS SECTION 260553.
5. CONTRACTOR MUST MARK UP A PLAN FOR SLEEVE LOCATIONS FOR APPROVAL PRIOR TO INSTALLATION IN ACCORDANCE WITH SUBMITTAL REQUIREMENTS IN THE SPECIFICATIONS. MAINTAIN RECORD DRAWINGS OF LOCATIONS TO BE SUBMITTED WITH CLOSEOUT DOCUMENTATION.
6. CONDUITS INDICATED ON THE PLAN FOR SITE LIGHTING AND SPARES TO FLAG POLE ISLAND ARE TO BE INSTALLED PER NOTES AND SPECIFICATIONS.

CAPPED OFF EMPTY 1-1/4" CONDUIT WITH PULL STRINGS FOR SITE LIGHTING.

CAPPED OFF EMPTY 1-1/4" CONDUIT WITH PULL STRINGS FOR SITE LIGHTING.

CAPPED OFF EMPTY 2" CONDUIT WITH PULL STRINGS FOR FUTURE

WEATHERPROOF JUNCTION BOXES FOR ILLUMINATED FLAG POLE LIGHTING. CIRCUIT MUST BE PHOTO CELL CONTROLLED FOR DUSK TO DAWN OPERATION. MOUNT PHOTOCELL TO POST ADJACENT TO FLAGPOLES. FLAGPOLES WILL BE ILLUMINATED FROM THE TOP OF THE POLE. CONDUIT MUST STUB UP INSIDE THE POLE. COORDINATE EXACT LOCATIONS AND CONDUIT ROUTING WITH PURCHASED AND INSTALLED FLAG POLES.

2#10 & 1 #10 GND - 1" CND

2A1R3-32

CAPPED OFF EMPTY 1-1/4" CONDUIT WITH PULL STRINGS FOR SITE LIGHTING.

ILLUMINATED BOLLARDS, REFER TO LANDSCAPE PLAN L3.2 FOR SPECIFICATION. EC MUST PROVIDE AND INSTALL FIXTURES. MUST BE PHOTO CELL CONTROLLED FOR DUSK TO DAWN OPERATION.

2#10 & 1 #10 GND - 1" CND

4A1P1-2

IDF ROOM 1206

2A1R1
2A1R2
2A1R3

4A1P1

ELEC 1231

ELECTRICAL 1018

ATS NORMAL

4MSB

4NMDP

IDF 1426

ELECT RM 1425

ATS EOC

ATS LS

PUMP ROOM 1419

2B1R1A

FIRE PUMP TRANSFER SWITCH/CONTROL PANEL

2B1R1A-27

WP

RECEPTACLE MOUNTED WITHIN HOT BOX

SPRINKLER BACKFLOW PREVENTER HOT BOX

PROPOSED CONDUIT PATH

PROPOSED CONDUIT PATH

1.5 MW DIESEL EMERGENCY BACKUP GENERATOR WITH 72 HOUR SUB BASE FUEL TANK. PROVIDE PLATFORM ON BOTH SIDES OF THE GENERATOR FOR MAINTENANCE

EGEN

2000 AMP, 3 WAY MANUAL TRANSFER SWITCH WITH CAM LOCKS FOR GENERATOR LOAD BANK TESTING AND PORTABLE BACKUP GENERATOR CONNECTION.

WIREWAY & ENCLOSED CIRCUIT BREAKERS REFER TO RISER DIAGRAM FOR ADDITIONAL INFORMATION

STAINLESS STEEL RACK WITH 304 STAINLESS HARDWARE.

UTILITY TRANSFORMER & CONCRETE PAD

CAPPED OFF EMPTY 1-1/4" CONDUIT WITH PULL STRINGS FOR SITE LIGHTING.

CAPPED OFF EMPTY 1-1/4" CONDUIT WITH PULL STRINGS FOR SITE LIGHTING.

RECEPTACLE MOUNTED WITHIN HOT BOX

DOMESTIC BACKFLOW PREVENTER HOT BOX

2B1R1A-23

WP

2#10 & 1 #10 GND - 1" CND

1 E-100 **Level 01-ELECTRICAL SITE PLAN**

1" = 20'-0"

ALL DRAWINGS, SPECIFICATIONS AND CODES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE, ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THOSE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED UPON REQUEST AT THE COMPLETION OF THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL DIMENSIONS AND CONDITIONS AT THE PROJECT SITE. DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK. DRAWINGS ARE NOT TO BE SCALED FOR CONSTRUCTION PURPOSES. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

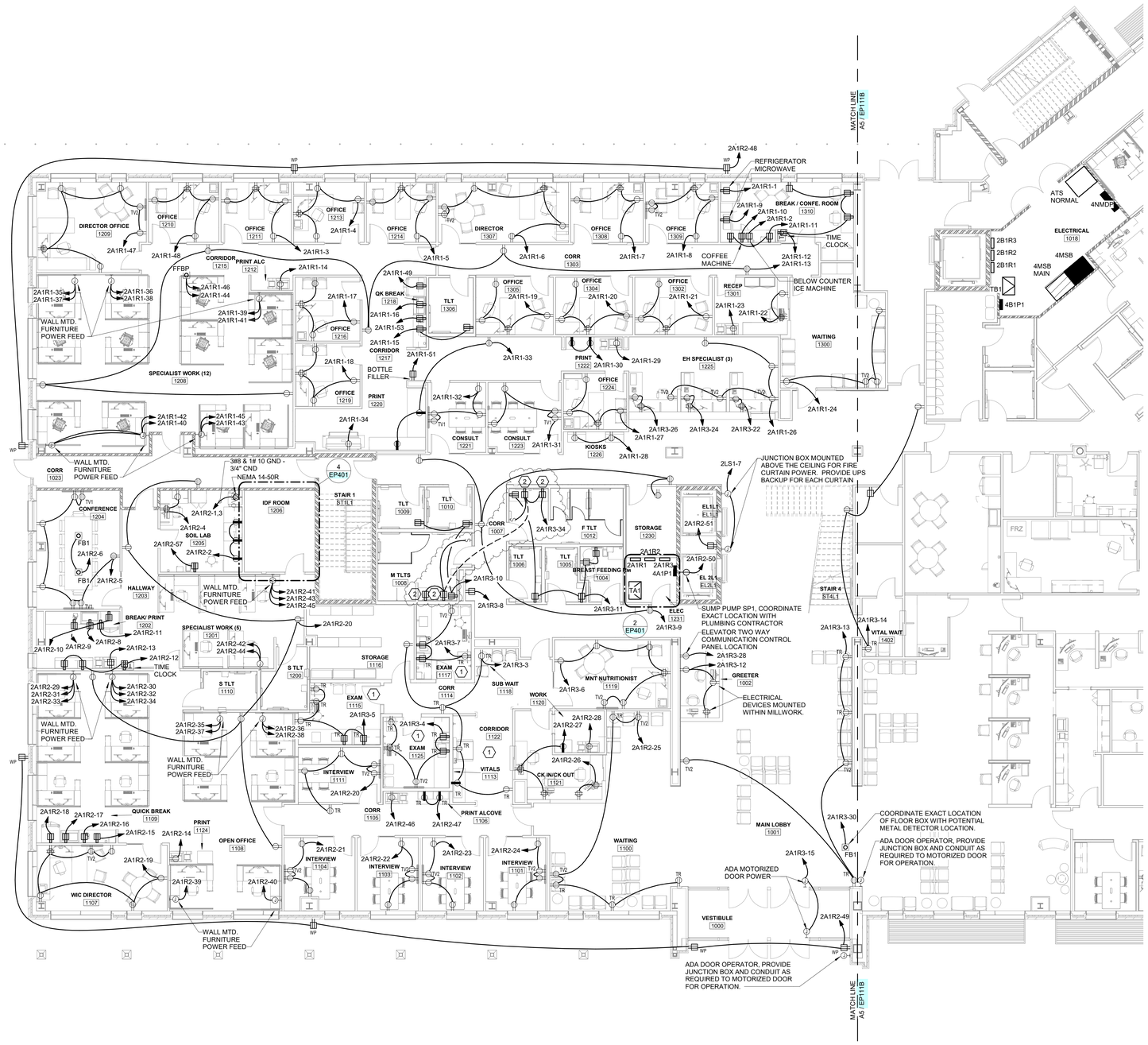
SHEET TITLE:
ELECTRICAL SITE PLAN

SHEET NO. E-100
PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND CONCEPTS THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THEY ARE NOT TO BE USED IN ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED UPON REQUEST AT THE COMPLETION OF THE WORK. THEY ARE NOT TO BE LOANED, COPIED OR REPRODUCED IN WHOLE OR IN PART FOR ANY PURPOSE WITHOUT THE WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ANY UNAUTHORIZED USE OF THESE DRAWINGS WILL BE AT THE RECIPIENT'S SOLE RISK AND WITHOUT LIABILITY TO MCMILLAN PAZDAN SMITH ARCHITECTURE. RECIPIENT WILL DEFEND AND INDEMNIFY MCMILLAN PAZDAN SMITH ARCHITECTURE AND ITS CONSULTANTS AGAINST ANY AND ALL LIABILITIES, CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING ATTORNEYS' FEES, ARISING OUT OF OR RESULTING THEREFROM.
© COPYRIGHT 2026 MCMILLAN PAZDAN SMITH ARCHITECTURE
ALL RIGHTS RESERVED

KEYNOTES

1	BRANCH CIRCUITS SERVING WIRING DEVICES IN THE SPACE INDICATED BY THIS KEYNOTE SYMBOL BE WIRED WITH RATED MC CABLE INCLUDINGCOPPER EQUIPMENT GROUND (EGC) INSIDE CABLE. THE CABLE SHALL ALSO HAVE A METALLIC ARMOR THAT QUALIFIES AS A SECOND GROUNDING PATH COMPLYING WITH NEC 517.13. USE A METALLIC OUTLET BOX AND CONNECT THE MC CABLE USING LISTED BUSHINGS AND FITTINGS AND SECURE THE EGC TO THE BOX GROUNDING SCREW.
2	RECEPTACLE FOR BACKLIT MIRROR. EXACT MOUNTING HEIGHT WITH MIRROR. CIRCUIT MUST BE FED FROM GFI CIRCUIT BREAKER.



LEVEL 01-POWER-AREA A

A5 / EP111A — 1/8" = 1'-0"

GENERAL NOTES:

REFER TO TELECOM ("T" DRAWINGS) FOR ALL CONDUIT, BOX, AND CABLE TRAY REQUIREMENTS ASSOCIATED WITH TELECOMMUNICATIONS, AV, AND SECURITY SYSTEMS.

CARD READER BOXES ARE NOT SHOWN. REFER TO "A" AND "T" DRAWINGS FOR LOCATIONS AND REQUIREMENTS.

THE PLACEMENT OF CONDUIT AND BOXES IN FLOOR SLABS SHALL BE THOROUGHLY COORDINATED WITH THE GENERAL CONTRACTOR TO AVOID CONFLICTS WITH STEEL REINFORCING BARS. REDUCTIONS IN NET CONCRETE SECTIONS AND FLOOR PENETRATIONS.

FLOORBOX / POKE THROUGH LEGEND:

FB1: RECESSED 4 GANG FLOOR BOX WITH IN USE COVER. FLOOR BOX MUST HAVE TWO 20A DUPLEX RECEPTACLES AND DATA CAPABILITIES PER TELECOM ("T" DRAWINGS). HUBBELL CFB4G30CRE SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

FB2: RECESSED FLOOR BOX WITH IN USE COVER COMPATIBLE WITH THE 4" RAISED FLOOR BEING INSTALLED. FLOOR BOX MUST HAVE FOUR 20A SIMPLEX RECEPTACLES WITH NO DATA CAPABILITES. HUBBELL AFBS1R4ALU SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

PT1: RECESSED 6 GANG POKE THROUGH BOX WITH IN USE COVER. FLOOR BOX MUST HAVE TWO 20A DUPLEX RECEPTACLES AND DATA CAPABILITIES PER TELECOM ("T" DRAWINGS). HUBBELL S1R4PTQUADALU SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

PT2: RECESSED 4 GANG POKE THROUGH BOX WITH IN USE COVER. FLOOR BOX MUST HAVE TWO 20A DUPLEX RECEPTACLES AND DATA CAPABILITIES PER TELECOM ("T" DRAWINGS). HUBBELL S1R6PTDEHALU SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

PT3: RECESSED 4 GANG POKE THROUGH BOX WITH IN USE COVER. FLOOR BOX MUST HAVE SINGLE 20A DUPLEX RECEPTACLE AND 30A TWIST LOCK RECEPTACLE. HUBBELL S1R6PTFIT SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

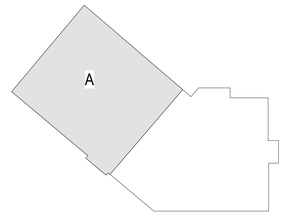
PTFP: POKE THROUGH FOR ELECTRIFIED FURNITURE POWER FEED. HUBBELL S1R4PTFFALU SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

PTFD: POKE THROUGH FOR ELECTRIFIED FURNITURE DATA FEED. HUBBELL PT2FIT SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

TELEVISION RECEPTACLE NOTE:

RECEPTACLES WITH TV1 AND TV2 SHOWN ADJACENT TO THEM WILL BE MOUNTED WITHIN THE RECESSED AV BACK BOX. REFER TO "T" DRAWINGS FOR MOUNTING HEIGHTS AND INSTALLATION DETAILS.

KEY PLAN



mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 36230 JASON P. FAMIGLETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

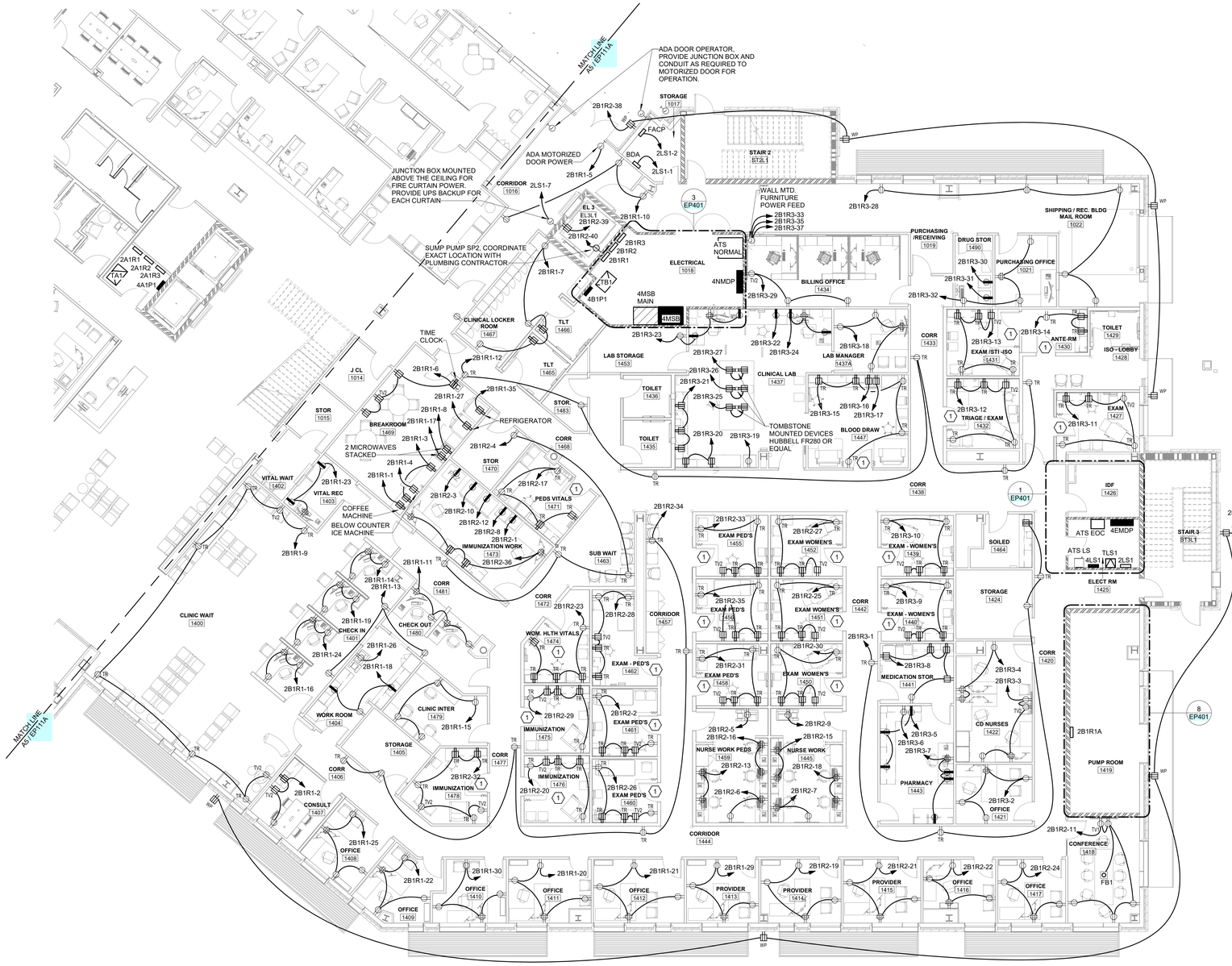
SHEET TITLE:
ELECTRICAL LEVEL 01 - POWER PLAN - AREA A

SHEET NO. EP111A
PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND CODES HEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY, IN THE CASE OF ELECTRONIC FILES, CERTIFIED BY THE RECEIVING PARTY AS HAVING BEEN ERASED OR OTHERWISE DESTROYED. REPRODUCTION, PUBLICATION OR USE OF THESE MATERIALS, WITHOUT THE EXPRESS WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE, IS PROHIBITED. COPYRIGHT INFRINGEMENT MAY GIVE RISE TO LIABILITY FOR STATUTORY AND ACTUAL DAMAGES. ALL RIGHTS RESERVED

KEYNOTES

1	BRANCH CIRCUITS SERVING WIRING DEVICES IN THE SPACE INDICATED BY THIS KEYNOTE SYMBOL BE WIRED WITH RATED MC CABLE INCLUDINGCOPPER EQUIPMENT GROUND (EGC) INSIDE CABLE. THE CABLE SHALL ALSO HAVE A METALLIC ARMOR THAT QUALIFIES AS A SECOND GROUNDING PATH COMPLYING WITH NEC 517.13. USE A METALLIC OUTLET BOX AND CONNECT THE MC CABLE USING LISTED BUSHINGS AND FITTINGS AND SECURE THE EGC TO THE BOX GROUNDING SCREW.



A5 EP111B **LEVEL 01-POWER-AREA B**
1/8" = 1'-0"

GENERAL NOTES:

REFER TO TELECOM ("T" DRAWINGS) FOR ALL CONDUIT, BOX, AND CABLE TRAY REQUIREMENTS ASSOCIATED WITH TELECOMMUNICATIONS, AV, AND SECURITY SYSTEMS.

CARD READER BOXES ARE NOT SHOWN. REFER TO "A" AND "T" DRAWINGS FOR LOCATIONS AND REQUIREMENTS.

THE PLACEMENT OF CONDUIT AND BOXES IN FLOOR SLABS SHALL BE THOROUGHLY COORDINATED WITH THE GENERAL CONTRACTOR TO AVOID CONFLICTS WITH STEEL REINFORCING BARS. REDUCTIONS IN NET CONCRETE SECTIONS AND FLOOR PENETRATIONS.

FLOORBOX / POKE THROUGH LEGEND:

FB1: RECESSED 4 GANG FLOOR BOX WITH IN USE COVER. FLOOR BOX MUST HAVE TWO 20A DUPLEX RECEPTACLES AND DATA CAPABILITIES PER TELECOM ("T" DRAWINGS). HUBBELL CFB4G30CRE SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

FB2: RECESSED FLOOR BOX WITH IN USE COVER COMPATIBLE WITH THE 4" RAISED FLOOR BEING INSTALLED. FLOOR BOX MUST HAVE FOUR 20A SIMPLEX RECEPTACLES WITH NO DATA CAPABILITES. HUBBELL AFBS1R4ALU SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

PT1: RECESSED 6 GANG POKE THROUGH BOX WITH IN USE COVER. FLOOR BOX MUST HAVE TWO 20A DUPLEX RECEPTACLES AND DATA CAPABILITIES PER TELECOM ("T" DRAWINGS). HUBBELL S1R4PTQUADALU SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

PT2: RECESSED 4 GANG POKE THROUGH BOX WITH IN USE COVER. FLOOR BOX MUST HAVE TWO 20A DUPLEX RECEPTACLES AND DATA CAPABILITIES PER TELECOM ("T" DRAWINGS). HUBBELL S1R6PTDEHALU SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

PT3: RECESSED 4 GANG POKE THROUGH BOX WITH IN USE COVER. FLOOR BOX MUST HAVE SINGLE 20A DUPLEX RECEPTACLE AND 30A TWIST LOCK RECEPTACLE. HUBBELL S1R6PTFIT SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

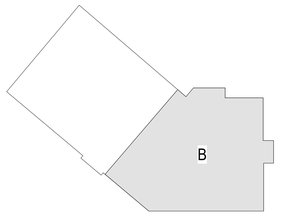
PTFP: POKE THROUGH FOR ELECTRIFIED FURNITURE POWER FEED. HUBBELL S1R4PTTFALU SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

PTFD: POKE THROUGH FOR ELECTRIFIED FURNITURE DATA FEED. HUBBELL PT2FIT SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

TELEVISION RECEPTACLE NOTE:

RECEPTACLES WITH TV1 AND TV2 SHOWN ADJACENT TO THEM WILL BE MOUNTED WITHIN THE RECESSED AV BACK BOX. REFER TO "T" DRAWINGS FOR MOUNTING HEIGHTS AND INSTALLATION DETAILS.

KEY PLAN



mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 36230 JASON P. FAMIGLIETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

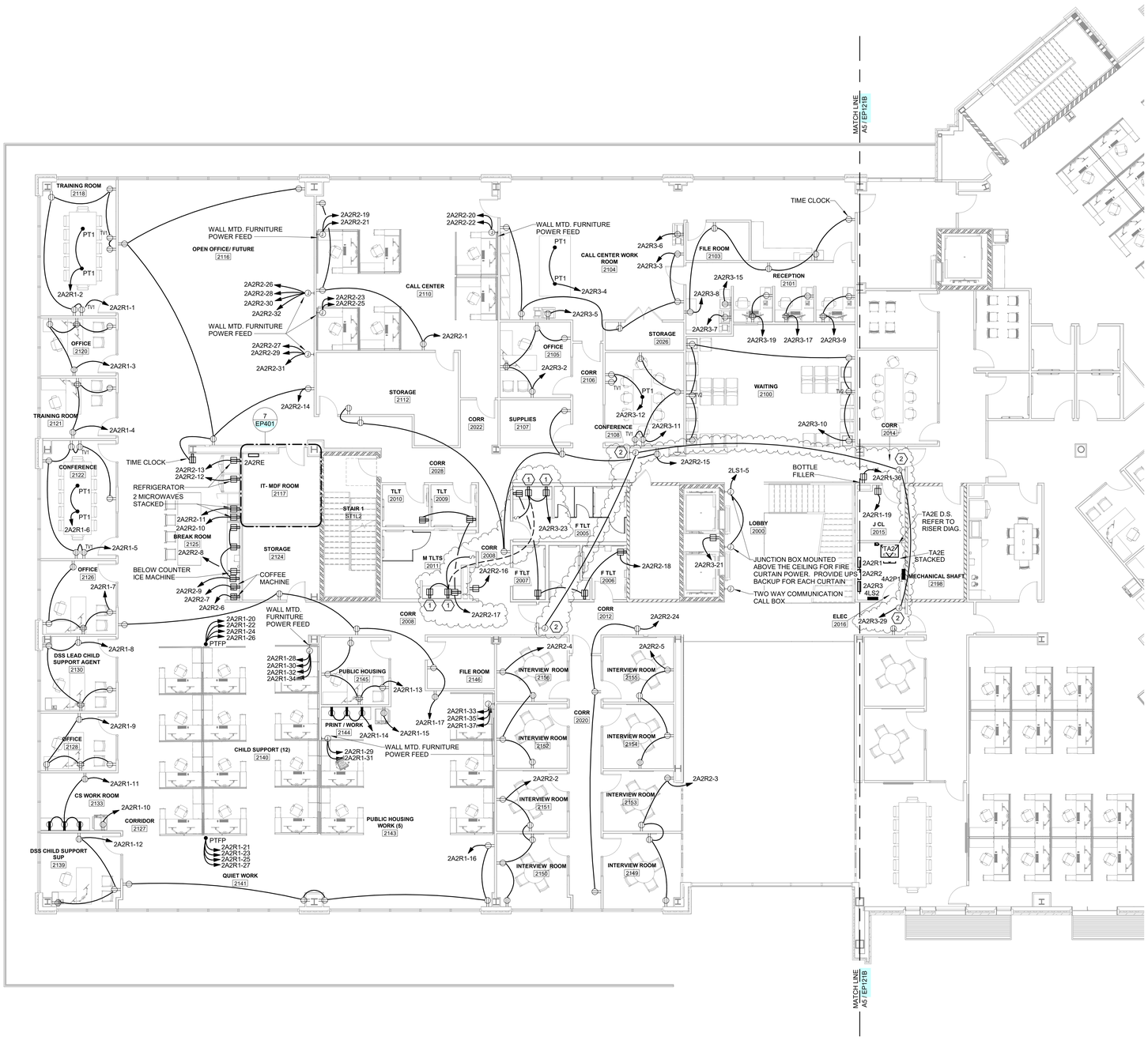
SHEET TITLE:
ELECTRICAL LEVEL 01 - POWER PLAN - AREA B

SHEET NO. EP111B
PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED IN ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY DESTROYED AT THE COMPLETION OF THE PROJECT. ALL REPRODUCTIONS, COPIES OR ADAPTATIONS MADE IN VIOLATION OF THIS AGREEMENT WITHOUT THE PRIOR WRITTEN PERMISSION OF MCMILLAN PAZDAN SMITH ARCHITECTURE, OR WHICH ARE MADE FOR ANY PROJECT NOT EXPRESSLY PERMITTED BY THIS AGREEMENT, WILL EXPOSE THE INFRINGER TO LIABILITY FOR COPYRIGHT INFRINGEMENT. ACCEPTANCE OF THESE MATERIALS CONSTITUTES ACCEPTANCE OF THESE RESTRICTIONS.
© COPYRIGHT 2026 MCMILLAN PAZDAN SMITH ARCHITECTURE
ALL RIGHTS RESERVED

KEYNOTES

1	RECEPTACLE FOR BACKLIT MIRROR. COORDINATE EXACT MOUNTING HEIGHT WITH MIRROR. CIRCUIT MUST BE FED FROM GFI CIRCUIT BREAKER.
2	POWER ABOVE CEILING FOR DELAYED EGRESS, COORDINATE EXACT LOCATION IN THE FIELD WITH EQUIPMENT AND CONTRACTOR.



GENERAL NOTES:

REFER TO TELECOM ("T" DRAWINGS) FOR ALL CONDUIT, BOX, AND CABLE TRAY REQUIREMENTS ASSOCIATED WITH TELECOMMUNICATIONS, AV, AND SECURITY SYSTEMS.

CARD READER BOXES ARE NOT SHOWN, REFER TO "A" AND "T" DRAWINGS FOR LOCATIONS AND REQUIREMENTS.

THE PLACEMENT OF CONDUIT AND BOXES IN FLOOR SLABS SHALL BE THOROUGHLY COORDINATED WITH THE GENERAL CONTRACTOR TO AVOID CONFLICTS WITH STEEL REINFORCING BARS. REDUCTIONS IN NET CONCRETE SECTIONS AND FLOOR PENETRATIONS.

FLOORBOX / POKE THROUGH LEGEND:

FB1: RECESSED 4 GANG FLOOR BOX WITH IN USE COVER. FLOOR BOX MUST HAVE TWO 20A DUPLEX RECEPTACLES AND DATA CAPABILITIES PER TELECOM ("T" DRAWINGS). HUBBELL CFB4G30CRE SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

FB2: RECESSED FLOOR BOX WITH IN USE COVER COMPATIBLE WITH THE 4" RAISED FLOOR BEING INSTALLED. FLOOR BOX MUST HAVE FOUR 20A SIMPLEX RECEPTACLES WITH NO DATA CAPABILITES. HUBBELL AFBS1R4ALU SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

PT1: RECESSED 6 GANG POKE THROUGH BOX WITH IN USE COVER. FLOOR BOX MUST HAVE TWO 20A DUPLEX RECEPTACLES AND DATA CAPABILITIES PER TELECOM ("T" DRAWINGS). HUBBELL S1R4PTQUADALU SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

PT2: RECESSED 4 GANG POKE THROUGH BOX WITH IN USE COVER. FLOOR BOX MUST HAVE TWO 20A DUPLEX RECEPTACLES AND DATA CAPABILITIES PER TELECOM ("T" DRAWINGS). HUBBELL S1R6PTDEHALU SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

PT3: RECESSED 4 GANG POKE THROUGH BOX WITH IN USE COVER. FLOOR BOX MUST HAVE SINGLE 20A DUPLEX RECEPTACLE AND 30A TWIST LOCK RECEPTACLE. HUBBELL S1R6PTFIT SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

PTFP: POKE THROUGH FOR ELECTRIFIED FURNITURE POWER FEED. HUBBELL S1R4PTFFALU SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

PTFD: POKE THROUGH FOR ELECTRIFIED FURNITURE DATA FEED. HUBBELL PT2FIT SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

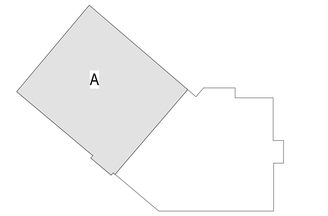
TELEVISION RECEPTACLE NOTE:

RECEPTACLES WITH TV1 AND TV2 SHOWN ADJACENT TO THEM WILL BE MOUNTED WITHIN THE RECESSED AV BACK BOX. REFER TO "T" DRAWINGS FOR MOUNTING HEIGHTS AND INSTALLATION DETAILS.

A5 / EP121A **LEVEL 02-POWER-AREA A**

1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 36230 JASON P. FAMIGLIETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE:	02/06/2026
PHASE:	PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE:	JPF
DESIGNER:	RRD / AJC
DRAWN BY:	RRD / AJC

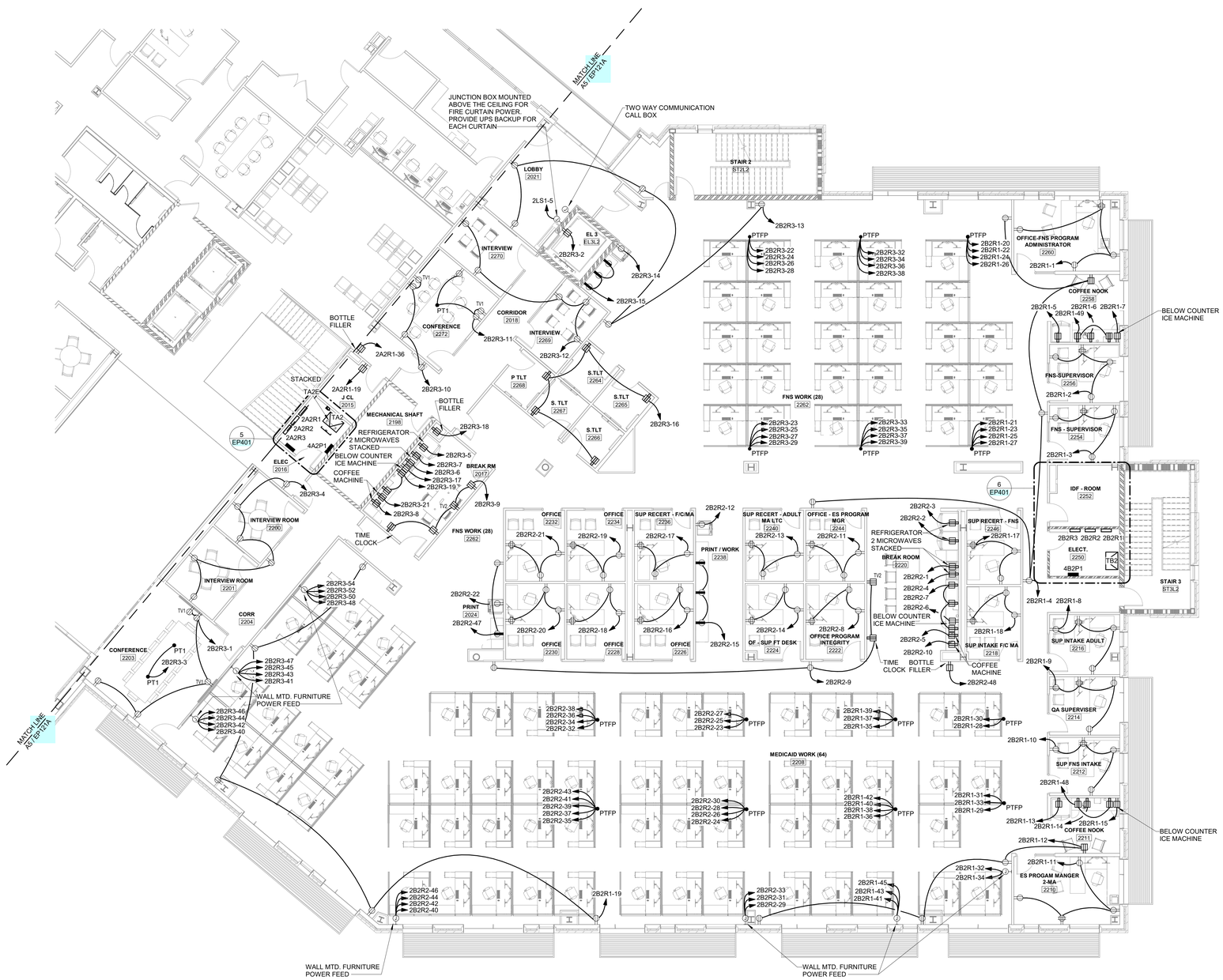
SHEET TITLE:

ELECTRICAL LEVEL 02 - POWER PLAN - AREA A

SHEET NO. EP121A

PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED UPON REQUEST AT THE COMPLETION OF THE PROJECT. THE VISUAL CONTROLS AS REGULATED BY AGREEMENT BETWEEN OWNER AND ARCHITECT. REPRODUCTION, PUBLICATION OR USE BY ANY METHOD, IN WHOLE OR IN PART, IS PROHIBITED. ANY PUBLICATION NOT CONTAINING THE COPYRIGHT NOTICE HEREON IS UNAUTHORIZED AND IS A VIOLATION OF THE LAW. COPYRIGHT © 2026 MCMILLAN PAZDAN SMITH ARCHITECTURE
ALL RIGHTS RESERVED



A5 EP121B **LEVEL 02-POWER-AREA B**
1/8" = 1'-0"

GENERAL NOTES:

REFER TO TELECOM ("T" DRAWINGS) FOR ALL CONDUIT, BOX, AND CABLE TRAY REQUIREMENTS ASSOCIATED WITH TELECOMMUNICATIONS, AV, AND SECURITY SYSTEMS.

CARD READER BOXES ARE NOT SHOWN. REFER TO "A" AND "T" DRAWINGS FOR LOCATIONS AND REQUIREMENTS.

THE PLACEMENT OF CONDUIT AND BOXES IN FLOOR SLABS SHALL BE THOROUGHLY COORDINATED WITH THE GENERAL CONTRACTOR TO AVOID CONFLICTS WITH STEEL REINFORCING BARS. REDUCTIONS IN NET CONCRETE SECTIONS AND FLOOR PENETRATIONS.

FLOORBOX / POKE THROUGH LEGEND:

FB1: RECESSED 4 GANG FLOOR BOX WITH IN USE COVER. FLOOR BOX MUST HAVE TWO 20A DUPLEX RECEPTACLES AND DATA CAPABILITIES PER TELECOM ("T" DRAWINGS). HUBBELL CFB4G30CRE SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

FB2: RECESSED FLOOR BOX WITH IN USE COVER COMPATIBLE WITH THE 4" RAISED FLOOR BEING INSTALLED. FLOOR BOX MUST HAVE FOUR 20A SIMPLEX RECEPTACLES WITH NO DATA CAPABILITES. HUBBELL AFBS1R4ALU SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

PT1: RECESSED 6 GANG POKE THROUGH BOX WITH IN USE COVER. FLOOR BOX MUST HAVE TWO 20A DUPLEX RECEPTACLES AND DATA CAPABILITIES PER TELECOM ("T" DRAWINGS). HUBBELL S1R4PTQUADALU SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

PT2: RECESSED 4 GANG POKE THROUGH BOX WITH IN USE COVER. FLOOR BOX MUST HAVE TWO 20A DUPLEX RECEPTACLES AND DATA CAPABILITIES PER TELECOM ("T" DRAWINGS). HUBBELL S1R6PTDEHALU SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

PT3: RECESSED 4 GANG POKE THROUGH BOX WITH IN USE COVER. FLOOR BOX MUST HAVE SINGLE 20A DUPLEX RECEPTACLE AND 30A TWIST LOCK RECEPTACLE. HUBBELL S1R6PTFIT SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

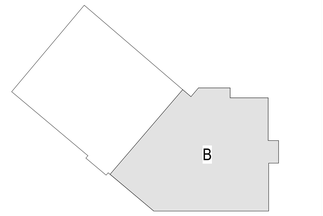
PTFP: POKE THROUGH FOR ELECTRIFIED FURNITURE POWER FEED. HUBBELL S1R4PTFFALU SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

PTFD: POKE THROUGH FOR ELECTRIFIED FURNITURE DATA FEED. HUBBELL PT2FIT SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

TELEVISION RECEPTACLE NOTE:

RECEPTACLES WITH TV1 AND TV2 SHOWN ADJACENT TO THEM WILL BE MOUNTED WITHIN THE RECESSED AV BACK BOX. REFER TO "T" DRAWINGS FOR MOUNTING HEIGHTS AND INSTALLATION DETAILS.

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER JASON P. FAMIGLETTI SEAL 36230
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:

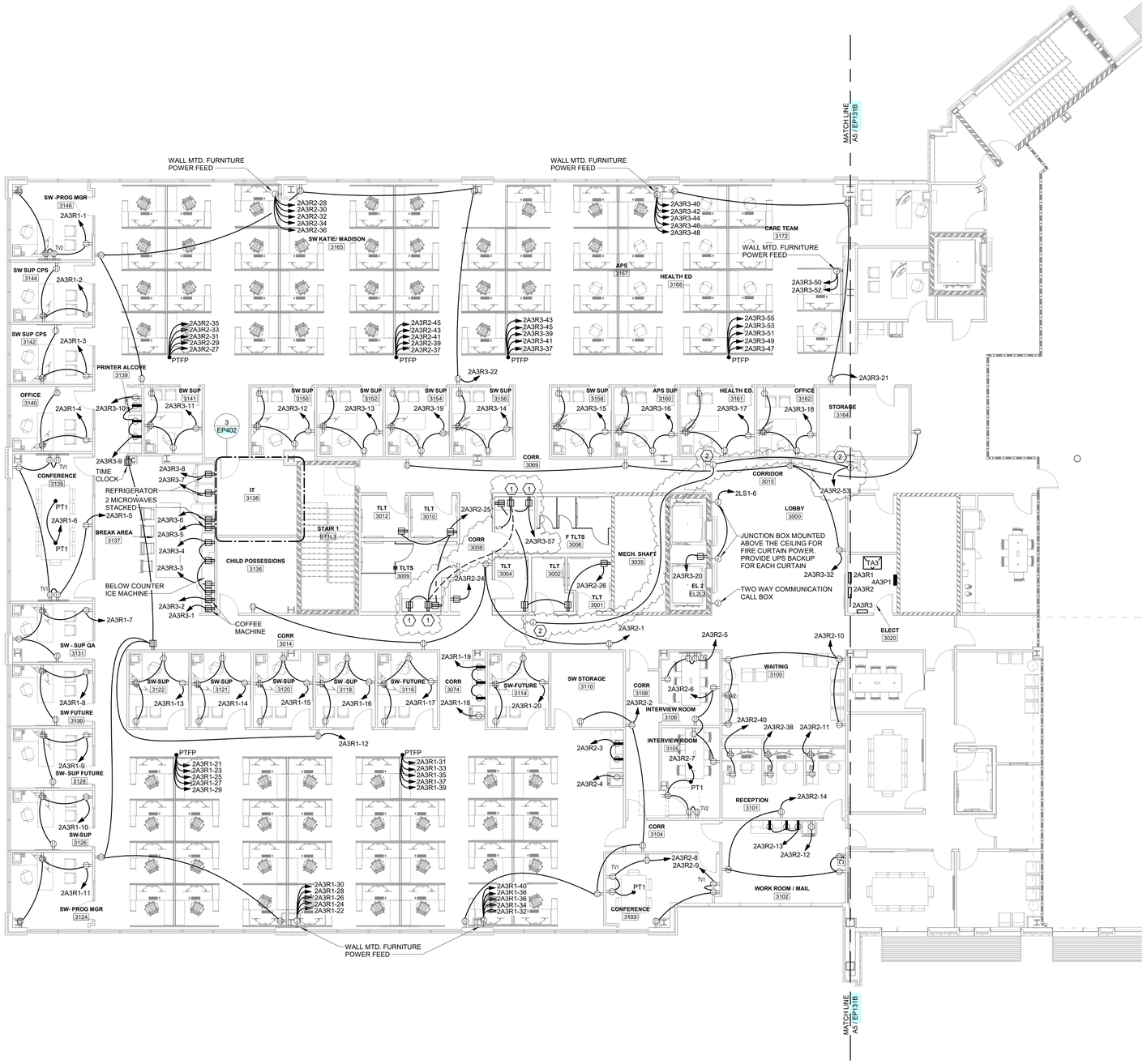
ELECTRICAL LEVEL 02 - POWER PLAN - AREA B

SHEET NO. EP121B
PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE; THEY ARE NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED UPON REQUEST AT THE COMPLETION OF THE WORK. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY MCMILLAN PAZDAN SMITH ARCHITECTURE FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT USER'S SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO MCMILLAN PAZDAN SMITH ARCHITECTURE. ALL RIGHTS RESERVED

KEYNOTES

1	RECEPTACLE FOR BACKLIT MIRROR. COORDINATE EXACT MOUNTING HEIGHT WITH MIRROR. CIRCUIT MUST BE FED FROM GFI CIRCUIT BREAKER.
2	POWER ABOVE CEILING FOR DELAYED EGRESS, COORDINATE EXACT LOCATION IN THE FIELD WITH EQUIPMENT AND CONTRACTOR.



A5 / EP131A **LEVEL 03-POWER-AREA A**

1/8" = 1'-0"

GENERAL NOTES:

REFER TO TELECOM ("T" DRAWINGS) FOR ALL CONDUIT, BOX, AND CABLE TRAY REQUIREMENTS ASSOCIATED WITH TELECOMMUNICATIONS, AV, AND SECURITY SYSTEMS.

CARD READER BOXES ARE NOT SHOWN, REFER TO "A" AND "T" DRAWINGS FOR LOCATIONS AND REQUIREMENTS.

THE PLACEMENT OF CONDUIT AND BOXES IN FLOOR SLABS SHALL BE THOROUGHLY COORDINATED WITH THE GENERAL CONTRACTOR TO AVOID CONFLICTS WITH STEEL REINFORCING BARS. REDUCTIONS IN NET CONCRETE SECTIONS AND FLOOR PENETRATIONS.

FLOORBOX / POKE THROUGH LEGEND:

FB1: RECESSED 4 GANG FLOOR BOX WITH IN USE COVER. FLOOR BOX MUST HAVE TWO 20A DUPLEX RECEPTACLES AND DATA CAPABILITIES PER TELECOM ("T" DRAWINGS). HUBBELL CFB4G30CRE SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

FB2: RECESSED FLOOR BOX WITH IN USE COVER COMPATIBLE WITH THE 4" RAISED FLOOR BEING INSTALLED. FLOOR BOX MUST HAVE FOUR 20A SIMPLEX RECEPTACLES WITH NO DATA CAPABILITES. HUBBELL AFBS1R4ALU SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

PT1: RECESSED 6 GANG POKE THROUGH BOX WITH IN USE COVER. FLOOR BOX MUST HAVE TWO 20A DUPLEX RECEPTACLES AND DATA CAPABILITIES PER TELECOM ("T" DRAWINGS). HUBBELL S1R4PTQUADALU SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

PT2: RECESSED 4 GANG POKE THROUGH BOX WITH IN USE COVER. FLOOR BOX MUST HAVE TWO 20A DUPLEX RECEPTACLES AND DATA CAPABILITIES PER TELECOM ("T" DRAWINGS). HUBBELL S1R6PTDEHALU SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

PT3: RECESSED 4 GANG POKE THROUGH BOX WITH IN USE COVER. FLOOR BOX MUST HAVE SINGLE 20A DUPLEX RECEPTACLE AND 30A TWIST LOCK RECEPTACLE. HUBBELL S1R6PTFIT SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

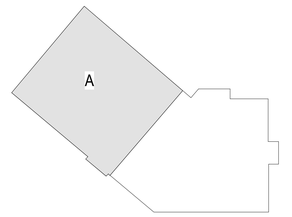
PTFP: POKE THROUGH FOR ELECTRIFIED FURNITURE POWER FEED. HUBBELL S1R4PTFFALU SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

PTFD: POKE THROUGH FOR ELECTRIFIED FURNITURE DATA FEED. HUBBELL PT2FIT SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

TELEVISION RECEPTACLE NOTE:

RECEPTACLES WITH TV1 AND TV2 SHOWN ADJACENT TO THEM WILL BE MOUNTED WITHIN THE RECESSED AV BACK BOX. REFER TO "T" DRAWINGS FOR MOUNTING HEIGHTS AND INSTALLATION DETAILS.

KEY PLAN



mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 36230 JASON P. FAMIGLETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

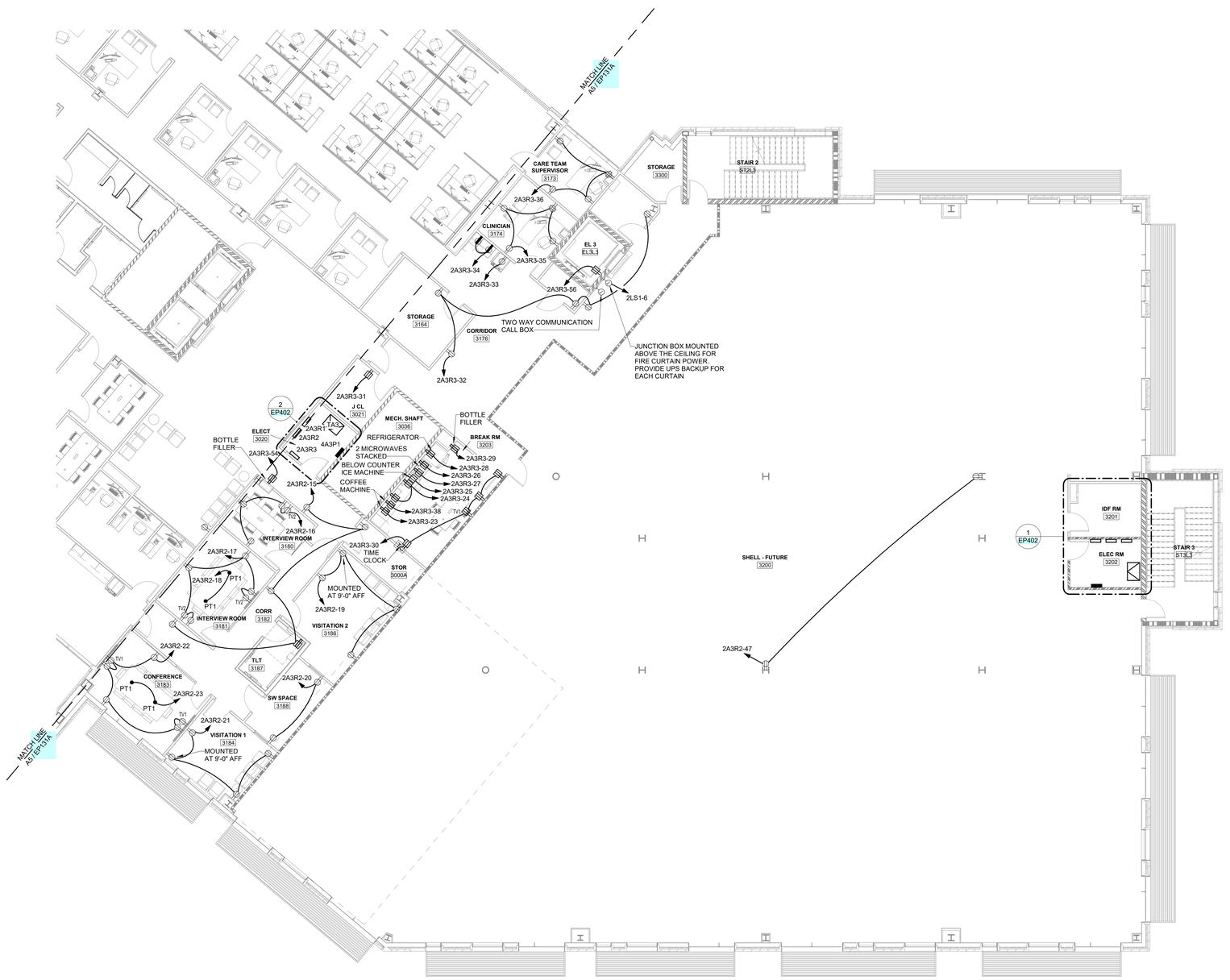
PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
ELECTRICAL LEVEL 03 - POWER PLAN - AREA A

SHEET NO. EP131A
PROJ. NO. 024370.00

PROJECT NORTH

ALL DRAWINGS, DESCRIPTIONS AND CONCEPTS THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED IN ANY ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED UPON THE COMPLETION OF THE PROJECT. THE VISUAL CONTRACTS IN THESE DOCUMENTS MAY BE PROTECTED BY REGISTRATION OF COPYRIGHT WITH THE UNITED STATES COPYRIGHT OFFICE. ANY UNAUTHORIZED USE IN WHOLE OR IN PART IS STRICTLY PROHIBITED. © COPYRIGHT 2026 MCMILLAN PAZDAN SMITH ARCHITECTURE. ALL RIGHTS RESERVED



A5 EP131B **LEVEL 03-POWER-AREA B**
1/8" = 1'-0"

GENERAL NOTES:

REFER TO TELECOM ("T" DRAWINGS) FOR ALL CONDUIT, BOX, AND CABLE TRAY REQUIREMENTS ASSOCIATED WITH TELECOMMUNICATIONS, AV, AND SECURITY SYSTEMS.

CARD READER BOXES ARE NOT SHOWN. REFER TO "A" AND "T" DRAWINGS FOR LOCATIONS AND REQUIREMENTS.

THE PLACEMENT OF CONDUIT AND BOXES IN FLOOR SLABS SHALL BE THOROUGHLY COORDINATED WITH THE GENERAL CONTRACTOR TO AVOID CONFLICTS WITH STEEL REINFORCING BARS. REDUCTIONS IN NET CONCRETE SECTIONS AND FLOOR PENETRATIONS.

FLOORBOX / POKE THROUGH LEGEND:

FB1: RECESSED 4 GANG FLOOR BOX WITH IN USE COVER. FLOOR BOX MUST HAVE TWO 20A DUPLEX RECEPTACLES AND DATA CAPABILITIES PER TELECOM ("T" DRAWINGS). HUBBELL CFB4G30CRE SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

FB2: RECESSED FLOOR BOX WITH IN USE COVER COMPATIBLE WITH THE 4" RAISED FLOOR BEING INSTALLED. FLOOR BOX MUST HAVE FOUR 20A SIMPLEX RECEPTACLES WITH NO DATA CAPABILITES. HUBBELL AFBS1R4ALU SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

PT1: RECESSED 6 GANG POKE THROUGH BOX WITH IN USE COVER. FLOOR BOX MUST HAVE TWO 20A DUPLEX RECEPTACLES AND DATA CAPABILITIES PER TELECOM ("T" DRAWINGS). HUBBELL S1R4PTQUADALU SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

PT2: RECESSED 4 GANG POKE THROUGH BOX WITH IN USE COVER. FLOOR BOX MUST HAVE TWO 20A DUPLEX RECEPTACLES AND DATA CAPABILITIES PER TELECOM ("T" DRAWINGS). HUBBELL S1R6PTDEHALU SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

PT3: RECESSED 4 GANG POKE THROUGH BOX WITH IN USE COVER. FLOOR BOX MUST HAVE SINGLE 20A DUPLEX RECEPTACLE AND 30A TWIST LOCK RECEPTACLE. HUBBELL S1R6PTFIT SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

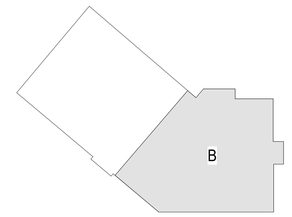
PTFP: POKE THROUGH FOR ELECTRIFIED FURNITURE POWER FEED. HUBBELL S1R4PTFFALU SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

PTFD: POKE THROUGH FOR ELECTRIFIED FURNITURE DATA FEED. HUBBELL PT2FIT SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

TELEVISION RECEPTACLE NOTE:

RECEPTACLES WITH TV1 AND TV2 SHOWN ADJACENT TO THEM WILL BE MOUNTED WITHIN THE RECESSED AV BACK BOX. REFER TO "T" DRAWINGS FOR MOUNTING HEIGHTS AND INSTALLATION DETAILS.

KEY PLAN



mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 30230 JASON P. FAMIGLETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

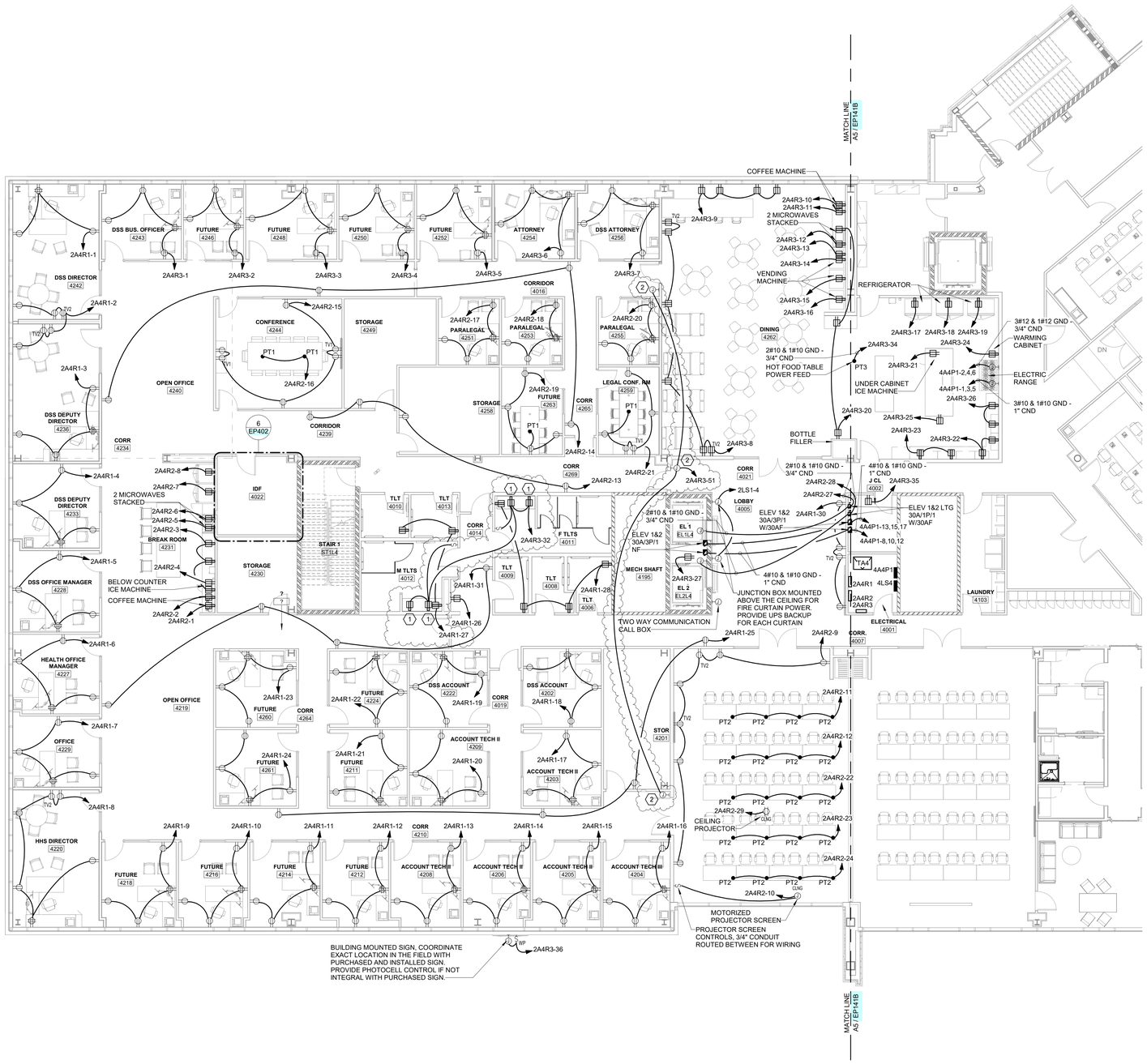
SHEET TITLE:
ELECTRICAL LEVEL 03 - POWER PLAN - AREA B

SHEET NO. EP131B
PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE; THEY ARE NOT TO BE USED ON ANY OTHER PROJECT; WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED UPON REQUEST AT THE COMPLETION OF THE WORK. ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE; THEY ARE NOT TO BE USED ON ANY OTHER PROJECT; WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED UPON REQUEST AT THE COMPLETION OF THE WORK. ALL RIGHTS RESERVED

KEYNOTES

1	RECEPTACLE FOR BACKLIT MIRROR. COORDINATE EXACT MOUNTING HEIGHT WITH MIRROR. CIRCUIT MUST BE FED FROM GFI CIRCUIT BREAKER.
2	POWER ABOVE CEILING FOR DELAYED EGRESS, COORDINATE EXACT LOCATION IN THE FIELD WITH EQUIPMENT AND CONTRACTOR.



A5 EP141A **LEVEL 04-POWER-AREA A**
1/8" = 1'-0"

GENERAL NOTES:

REFER TO TELECOM ("T" DRAWINGS) FOR ALL CONDUIT, BOX, AND CABLE TRAY REQUIREMENTS ASSOCIATED WITH TELECOMMUNICATIONS, AV, AND SECURITY SYSTEMS.

CARD READER BOXES ARE NOT SHOWN, REFER TO "A" AND "T" DRAWINGS FOR LOCATIONS AND REQUIREMENTS.

THE PLACEMENT OF CONDUIT AND BOXES IN FLOOR SLABS SHALL BE THOROUGHLY COORDINATED WITH THE GENERAL CONTRACTOR TO AVOID CONFLICTS WITH STEEL REINFORCING BARS. REDUCTIONS IN NET CONCRETE SECTIONS AND FLOOR PENETRATIONS.

FLOORBOX / POKE THROUGH LEGEND:

FB1: RECESSED 4 GANG FLOOR BOX WITH IN USE COVER. FLOOR BOX MUST HAVE TWO 20A DUPLEX RECEPTACLES AND DATA CAPABILITIES PER TELECOM ("T" DRAWINGS). HUBBELL CFB4G30CRE SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

FB2: RECESSED FLOOR BOX WITH IN USE COVER COMPATIBLE WITH THE 4" RAISED FLOOR BEING INSTALLED. FLOOR BOX MUST HAVE FOUR 20A SIMPLEX RECEPTACLES WITH NO DATA CAPABILITES. HUBBELL AFBS1R4ALU SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

PT1: RECESSED 6 GANG POKE THROUGH BOX WITH IN USE COVER. FLOOR BOX MUST HAVE TWO 20A DUPLEX RECEPTACLES AND DATA CAPABILITIES PER TELECOM ("T" DRAWINGS). HUBBELL S1R4PTQUADALU SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

PT2: RECESSED 4 GANG POKE THROUGH BOX WITH IN USE COVER. FLOOR BOX MUST HAVE TWO 20A DUPLEX RECEPTACLES AND DATA CAPABILITIES PER TELECOM ("T" DRAWINGS). HUBBELL S1R6PTDEHALU SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

PT3: RECESSED 4 GANG POKE THROUGH BOX WITH IN USE COVER. FLOOR BOX MUST HAVE SINGLE 20A DUPLEX RECEPTACLE AND 30A TWIST LOCK RECEPTACLE. HUBBELL S1R6PTFIT SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

PTFP: POKE THROUGH FOR ELECTRIFIED FURNITURE POWER FEED. HUBBELL S1R4PTFFALU SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

PTFD: POKE THROUGH FOR ELECTRIFIED FURNITURE DATA FEED. HUBBELL PT2FIT SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

TELEVISION RECEPTACLE NOTE:

RECEPTACLES WITH TV1 AND TV2 SHOWN ADJACENT TO THEM WILL BE MOUNTED WITHIN THE RECESSED AV BACK BOX. REFER TO "T" DRAWINGS FOR MOUNTING HEIGHTS AND INSTALLATION DETAILS.

KEY PLAN

PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 36230 JASON P. FAMIGLIETTI 4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

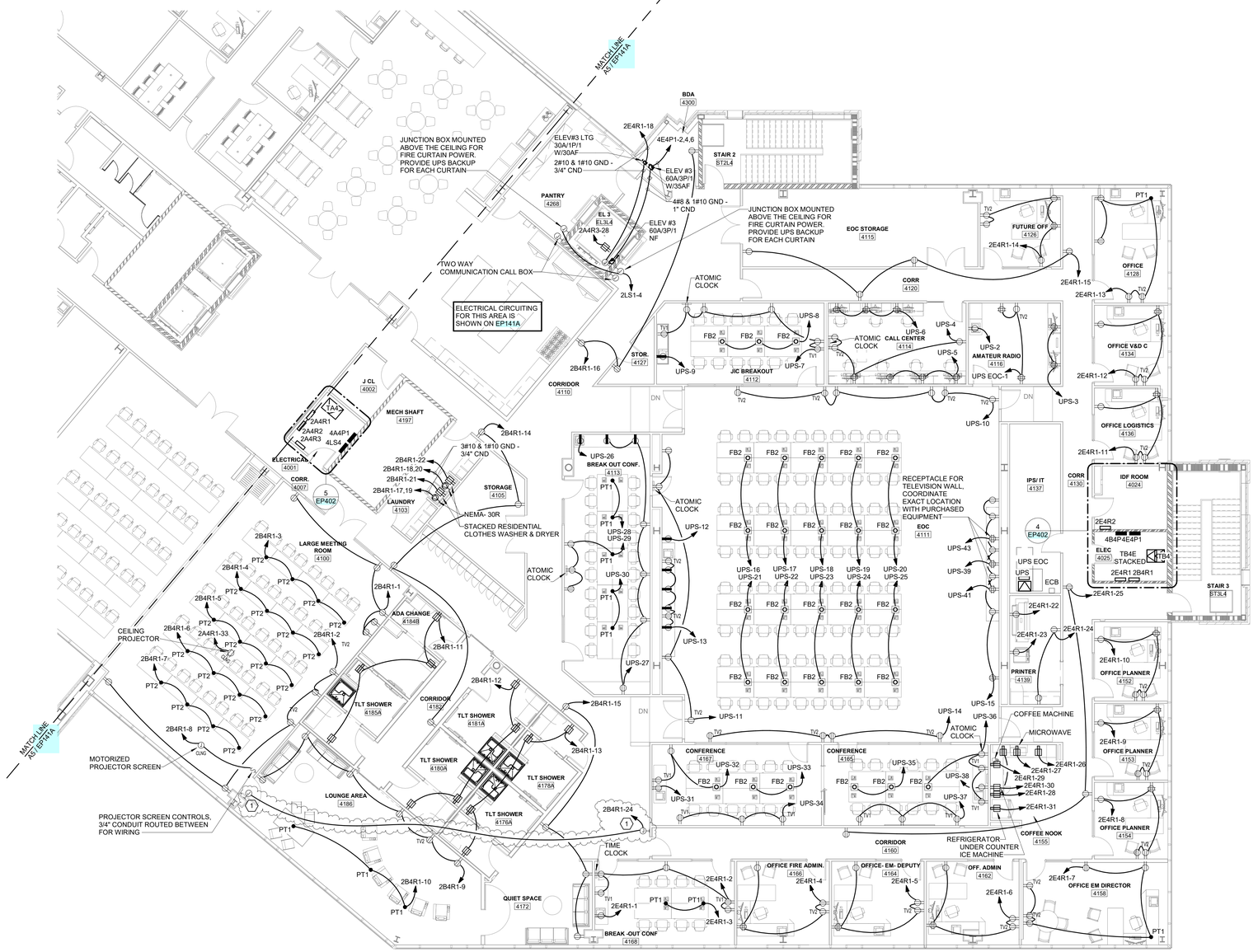
PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
ELECTRICAL LEVEL 04 - POWER PLAN - AREA A

SHEET NO. EP141A
PROJ. NO. 024370.00

KEYNOTES

1	POWER ABOVE CEILING FOR DELAYED EGRESS, COORDINATE EXACT LOCATION IN THE FIELD WITH EQUIPMENT AND CONTRACTOR.



A5 / EP141B **LEVEL 04-POWER-AREA B**

1/8" = 1'-0"

GENERAL NOTES:

REFER TO TELECOM ("T" DRAWINGS) FOR ALL CONDUIT, BOX, AND CABLE TRAY REQUIREMENTS ASSOCIATED WITH TELECOMMUNICATIONS, AV, AND SECURITY SYSTEMS.

CARD READER BOXES ARE NOT SHOWN, REFER TO "A" AND "T" DRAWINGS FOR LOCATIONS AND REQUIREMENTS.

THE PLACEMENT OF CONDUIT AND BOXES IN FLOOR SLABS SHALL BE THOROUGHLY COORDINATED WITH THE GENERAL CONTRACTOR TO AVOID CONFLICTS WITH STEEL REINFORCING BARS. REDUCTIONS IN NET CONCRETE SECTIONS AND FLOOR PENETRATIONS.

FLOORBOX / POKE THROUGH LEGEND:

FB1: RECESSED 4 GANG FLOOR BOX WITH IN USE COVER. FLOOR BOX MUST HAVE TWO 20A DUPLEX RECEPTACLES AND DATA CAPABILITIES PER TELECOM ("T" DRAWINGS). HUBBELL CFB4G30CRE SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

FB2: RECESSED FLOOR BOX WITH IN USE COVER COMPATIBLE WITH THE 4" RAISED FLOOR BEING INSTALLED. FLOOR BOX MUST HAVE FOUR 20A SIMPLEX RECEPTACLES WITH NO DATA CAPABILITES. HUBBELL AFBS1R4ALU SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

PT1: RECESSED 6 GANG POKE THROUGH BOX WITH IN USE COVER. FLOOR BOX MUST HAVE TWO 20A DUPLEX RECEPTACLES AND DATA CAPABILITIES PER TELECOM ("T" DRAWINGS). HUBBELL S1R4PTQUADALU SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

PT2: RECESSED 4 GANG POKE THROUGH BOX WITH IN USE COVER. FLOOR BOX MUST HAVE TWO 20A DUPLEX RECEPTACLES AND DATA CAPABILITIES PER TELECOM ("T" DRAWINGS). HUBBELL S1R6PTDEHALU SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

PT3: RECESSED 4 GANG POKE THROUGH BOX WITH IN USE COVER. FLOOR BOX MUST HAVE SINGLE 20A DUPLEX RECEPTACLE AND 30A TWIST LOCK RECEPTACLE. HUBBELL S1R6PTFIT SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

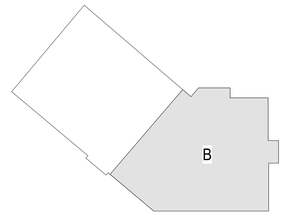
PTFP: POKE THROUGH FOR ELECTRIFIED FURNITURE POWER FEED. HUBBELL S1R4PTFFALU SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

PTFD: POKE THROUGH FOR ELECTRIFIED FURNITURE DATA FEED. HUBBELL PT2FIT SERIES OR APPROVED EQUAL. IN USE COVER COLOR SELECTION PER ARCHITECT.

TELEVISION RECEPTACLE NOTE:

RECEPTACLES WITH TV1 AND TV2 SHOWN ADJACENT TO THEM WILL BE MOUNTED WITHIN THE RECESSED AV BACK BOX. REFER TO "T" DRAWINGS FOR MOUNTING HEIGHTS AND INSTALLATION DETAILS.

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 36230 JASON P. FAMIGLETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

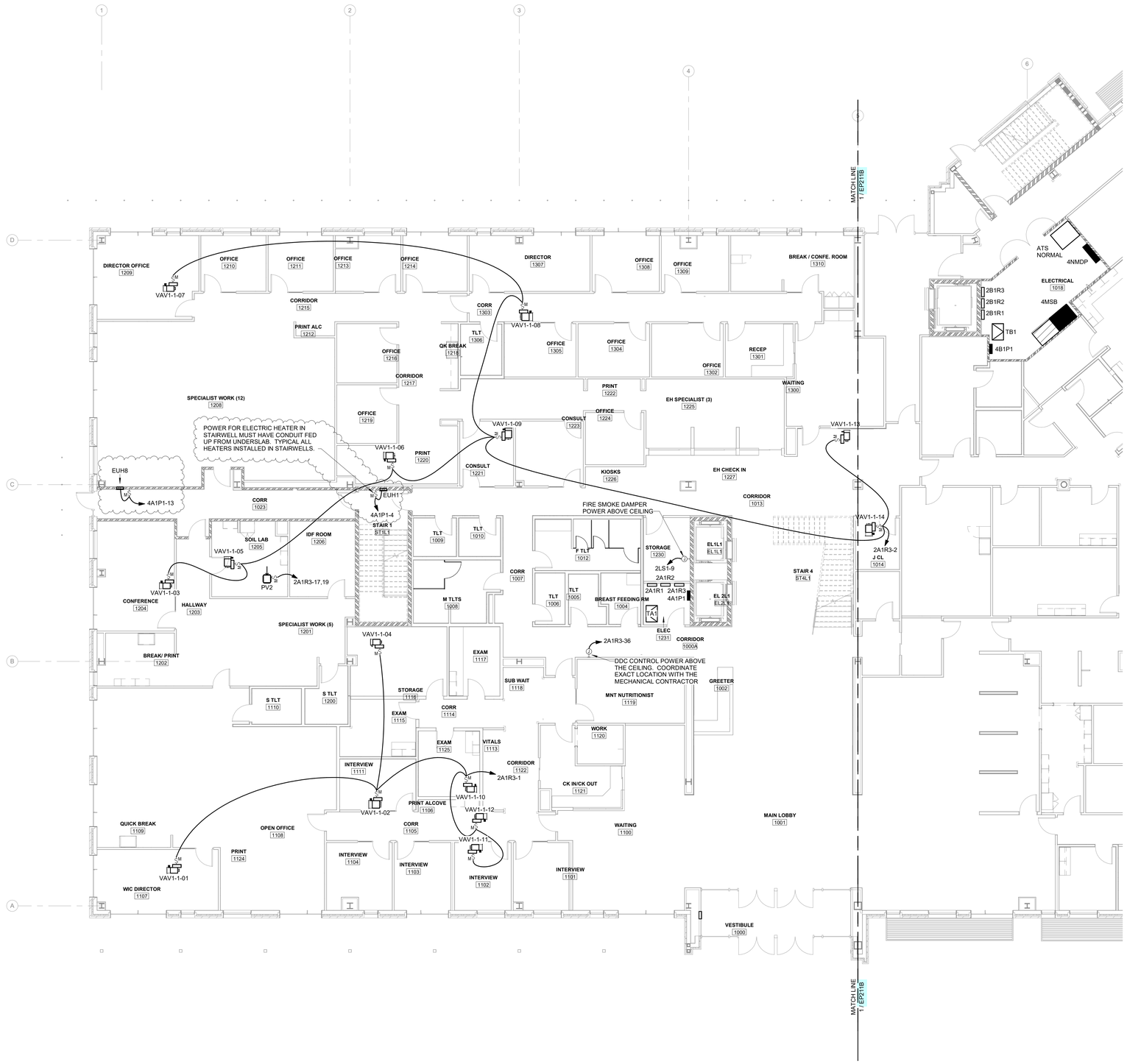
SHEET TITLE:

ELECTRICAL LEVEL 04 - POWER PLAN - AREA B

SHEET NO. EP141B

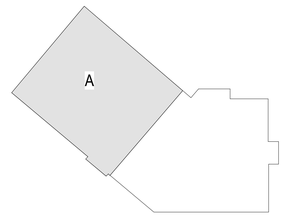
PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED IN ANY WAY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY, IF PERMITTED BY STATE LAW, DESTROYED ON REQUEST. THE ARCHITECT IS NOT RESPONSIBLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE DOCUMENTS. ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING COPYRIGHT, ARE HEREBY EXPRESSLY RESERVED.



1 EP211A **LEVEL 01-HVAC POWER-AREA A**
1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLIETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
ELECTRICAL LEVEL 01 - HVAC POWER PLAN - AREA A

SHEET NO. PROJ. NO. 024370.00

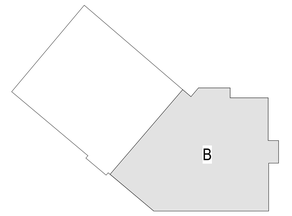
EP211A

ALL DRAWINGS, DESCRIPTIONS AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE DRAWINGS ARE NOT TO BE USED IN ANY WAY WITH RESPECT TO THIS PROJECT OR ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED UPON REQUEST AT THE COMPLETION OF THE PROJECT. THE VISUAL CONTRACTS ARE NOT TO BE CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED OR LENT TO ANY THIRD PARTY FOR USE ON EXTENSIONS OF THIS PROJECT OR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. VISUAL CONTRACTS SHALL NOT BE USED FOR REGULATORY APPROVAL, PERMITTING OR CONSTRUCTION.
© COPYRIGHT MCMILLAN PAZDAN SMITH ARCHITECTURE
ALL RIGHTS RESERVED



1 EP211B **LEVEL 01-HVAC POWER-AREA B**
1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 36230 JASON P. FAMIGLIETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

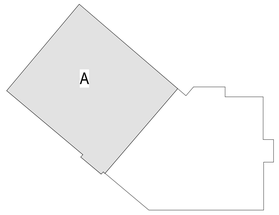
SHEET TITLE:
ELECTRICAL LEVEL 01 - HVAC POWER PLAN - AREA B

SHEET NO. EP211B
PROJ. NO. 024370.00



1 EP221A **LEVEL 02-HVAC POWER-AREA A**
1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLIETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
ELECTRICAL LEVEL 02 - HVAC POWER PLAN - AREA A

SHEET NO. PROJ. NO. 024370.00

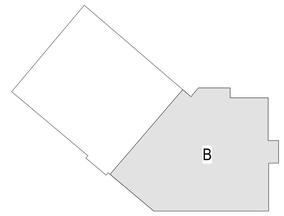
EP221A



1 EP221B **LEVEL 02-HVAC POWER-AREA B**

1/8" = 1'-0"

KEY PLAN



ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ANY ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY, DESTROYED AT THE COMPLETION OF THE PROJECT TO THE CONSTRUCTION OF WHICH THEY RELATE. ALL DOCUMENTS SUBMITTED BY THE PARTIES TO THIS CONTRACT SHALL BECOME THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE, AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ANY ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY, DESTROYED AT THE COMPLETION OF THE PROJECT TO THE CONSTRUCTION OF WHICH THEY RELATE. ALL RIGHTS RESERVED

mcmillan pazdan smith
ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 36230 JASON P. FAMIGLIETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
ELECTRICAL LEVEL 02 - HVAC POWER PLAN - AREA B

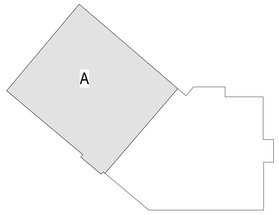
SHEET NO. EP221B
PROJ. NO. 024370.00

PROJECT NORTH



1 EP231A **LEVEL 03-HVAC POWER-AREA A**
1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 35230 ENGINEER JASON P. FAMIGLIETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

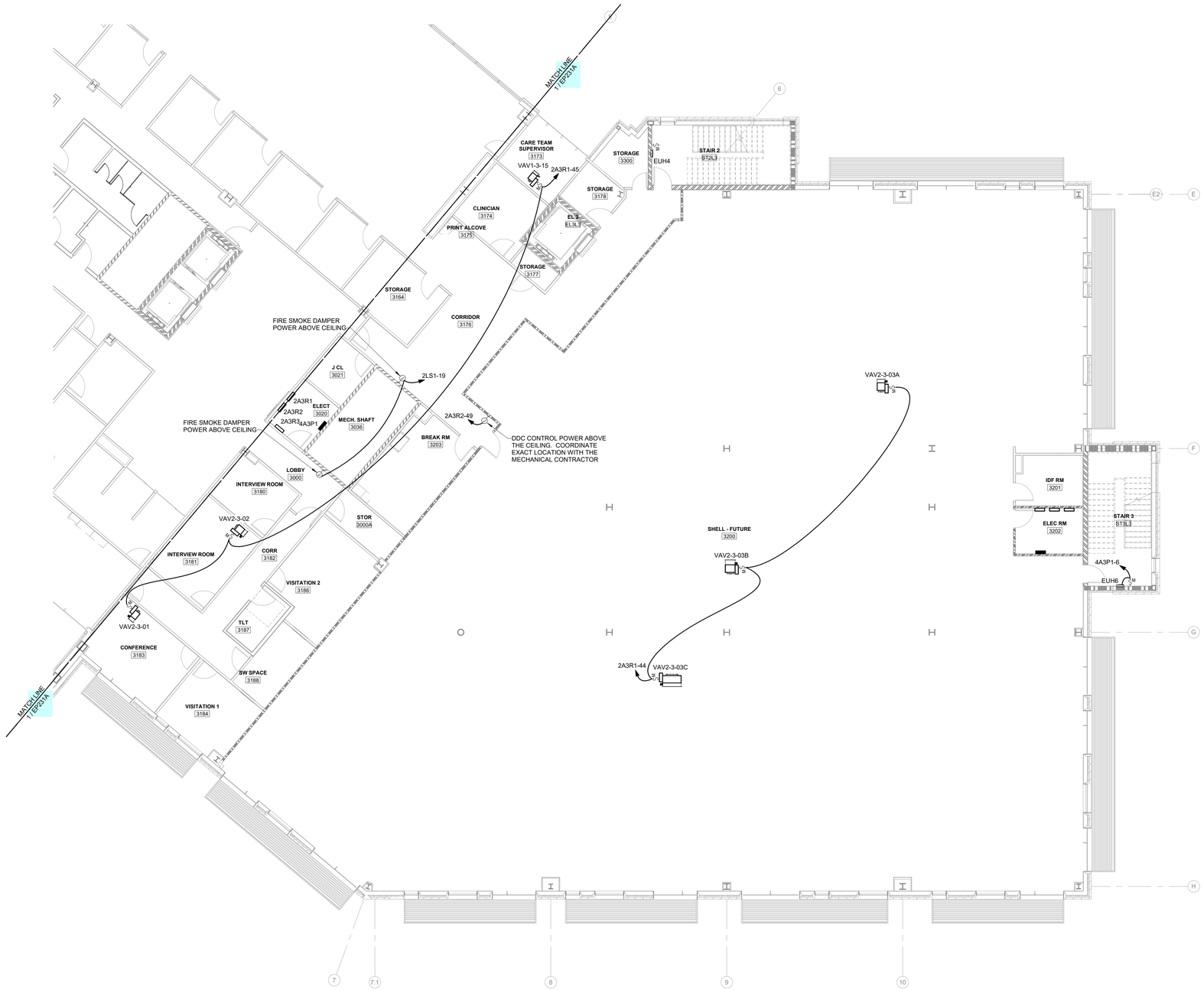
NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
ELECTRICAL LEVEL 03 - HVAC POWER PLAN - AREA A

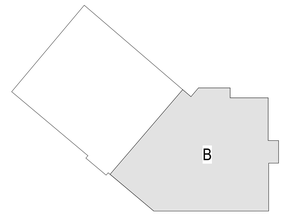
SHEET NO. PROJ. NO. 024370.00

EP231A



1 EP231B **LEVEL 03-HVAC POWER-AREA B**
1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLIETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
ELECTRICAL LEVEL 03 - HVAC POWER PLAN - AREA B

SHEET NO. PROJ. NO. 024370.00

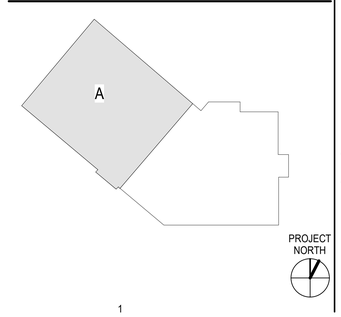
EP231B



1 EP241A **LEVEL 04-HVAC POWER-AREA A**

1/8" = 1'-0"

KEY PLAN



mcmillan pazdan smith ARCHITECTURE

1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLIETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

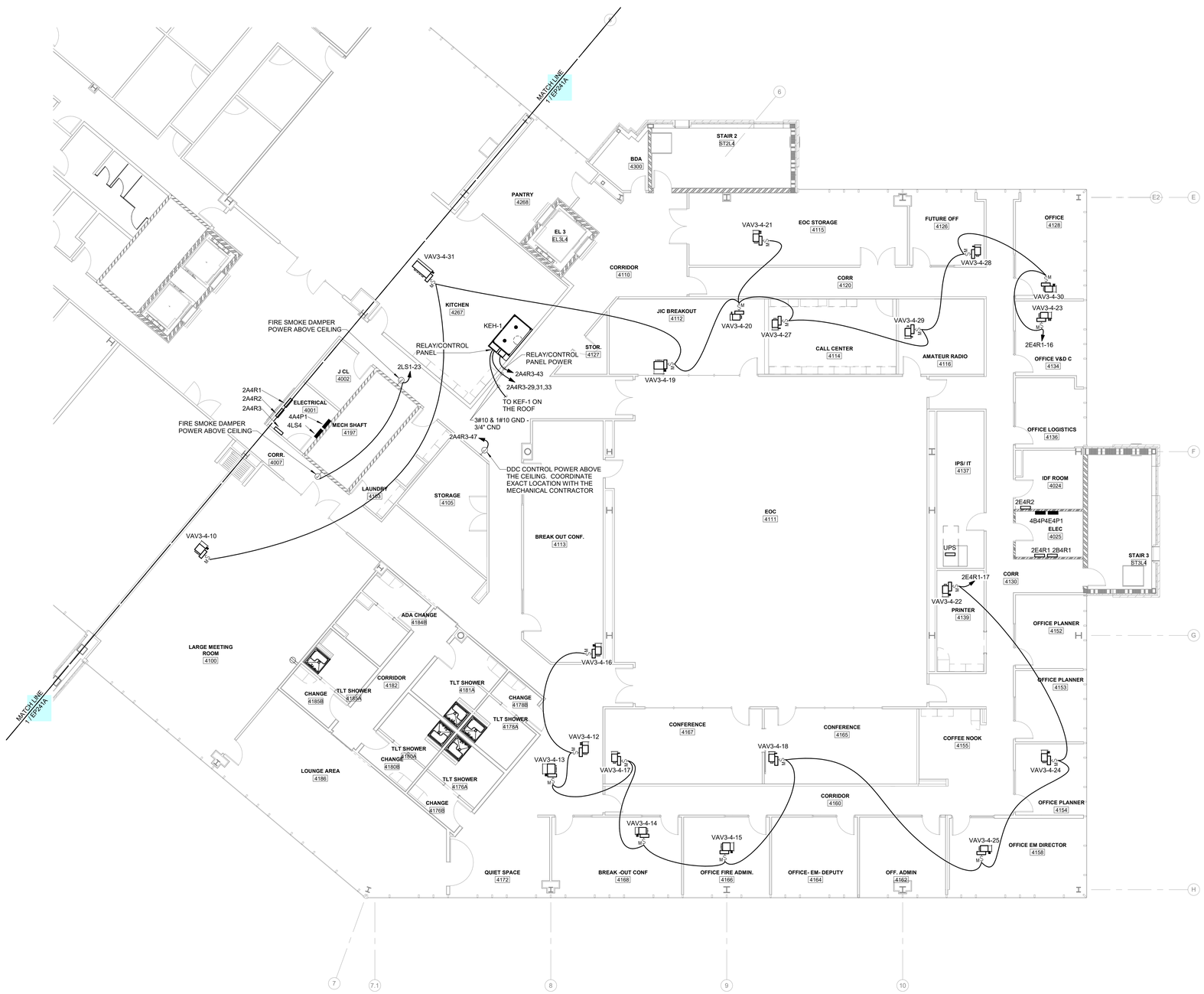
PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
ELECTRICAL LEVEL 04 - HVAC POWER PLAN - AREA A

SHEET NO. PROJ. NO. 024370.00

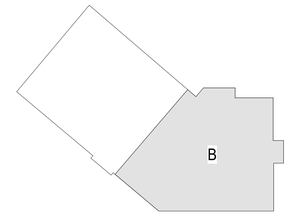
EP241A

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY, DESTROYED AT THE COMPLETION OF THE PROJECT. THEY ARE NOT TO BE CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY, WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ALL RIGHTS RESERVED



1 EP241B **LEVEL 04-HVAC POWER-AREA B**
1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 30230 ENGINEER JASON P. FAMIGLIETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

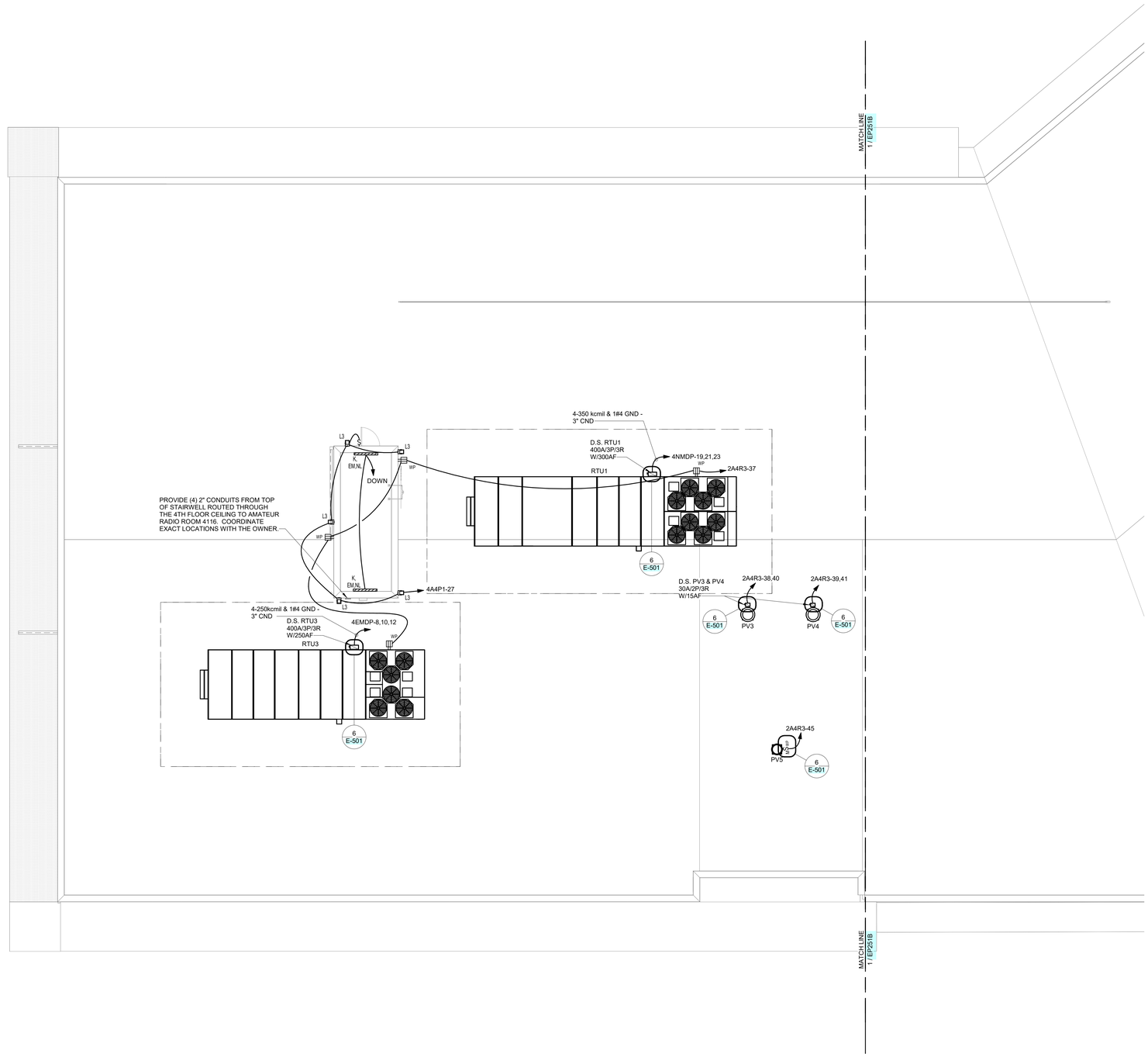
ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

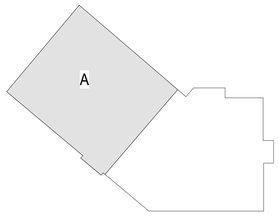
SHEET TITLE:
ELECTRICAL LEVEL 04 - HVAC POWER PLAN - AREA B

SHEET NO. EP241B
PROJ. NO. 024370.00



1 EP251A **ROOF-POWER-AREA A**
1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLIETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

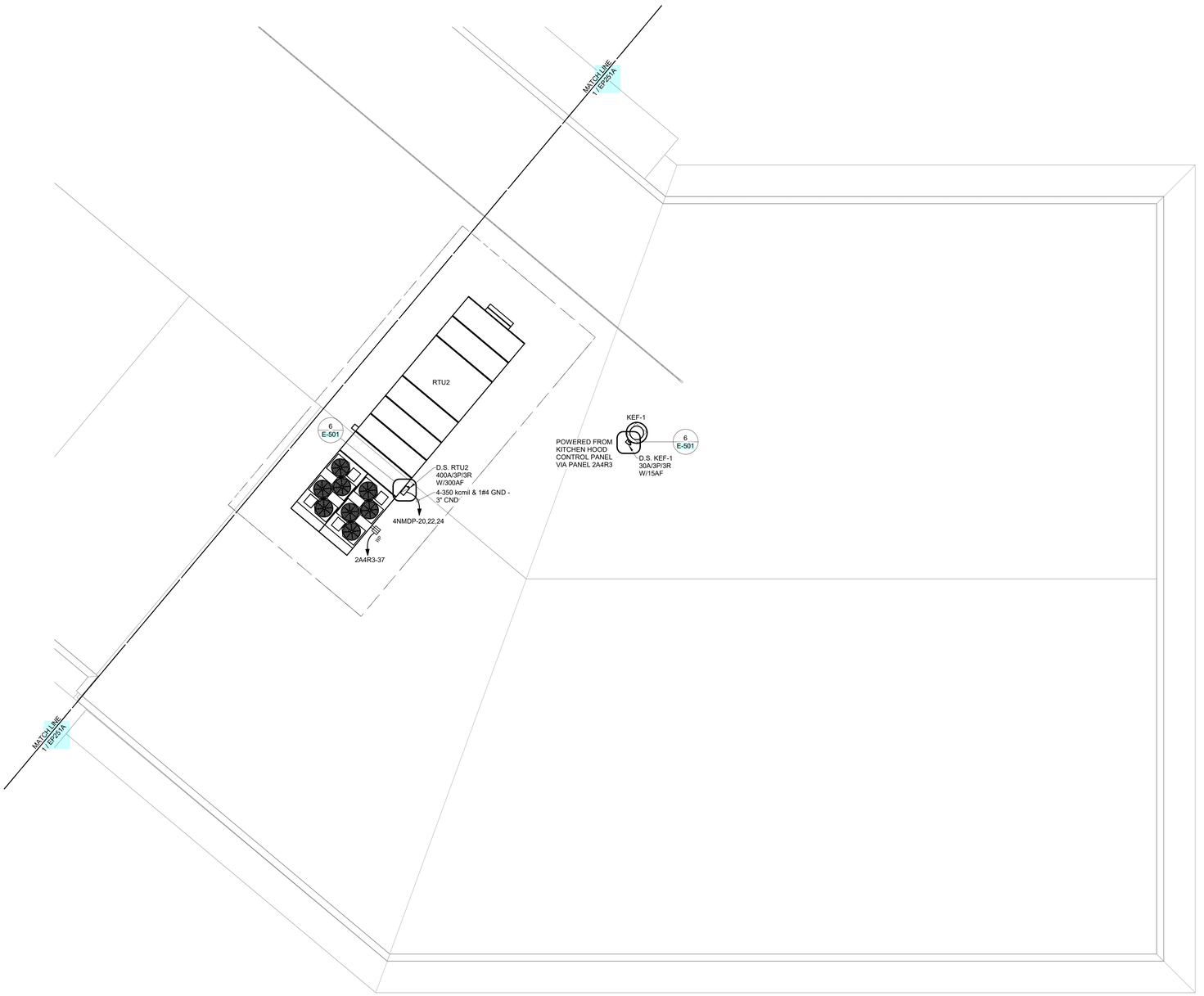
PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
ELECTRICAL ROOF - HVAC POWER PLAN - AREA A

SHEET NO. PROJ. NO. 024370.00

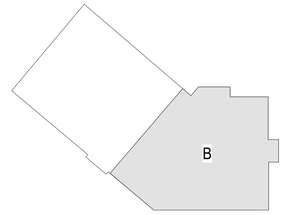
EP251A

ALL DRAWINGS, DESCRIPTIONS AND CONCEPTS THEREOF (LEGENDED BY MCMILLAN PAZDAN SMITH ARCHITECTURE) ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED ON FINAL COMPLETION OF THE HUMAN SERVICES CENTER. THE PROJECT IS TIED TO THE CONSTRUCTION OF A BUILDING. ANNUNCIATION, ALTERED OR REUSED BY ANYONE ON ANOTHER PROJECT, FOR EXTENSIONS OF THIS PROJECT, OR FOR COMPLETION OF THIS PROJECT BY OTHERS, WITHOUT THE PRIOR WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THIS PROJECT DOES NOT TERMINATE OR IMPAIR THE RESERVATION OF COPYRIGHT.
ALL RIGHTS RESERVED



1 EP251B **ROOF-POWER-AREA B**
1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 35230 ENGINEER JASON P. FAMIGLIETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
ELECTRICAL ROOF - HVAC POWER PLAN - AREA B

SHEET NO. EP251B
PROJ. NO. 024370.00

GENERAL NOTES – LIGHTNING PROTECTION SYSTEM (LPS)

UL MASTER LABEL REQUIREMENT
THE LIGHTNING PROTECTION SYSTEM (LPS) MUST BE DESIGNED AND INSTALLED IN ACCORDANCE WITH UL 96A, "INSTALLATION REQUIREMENTS FOR LIGHTNING PROTECTION SYSTEMS," AND MUST INCLUDE UL MASTER LABEL CERTIFICATE UPON COMPLETION.

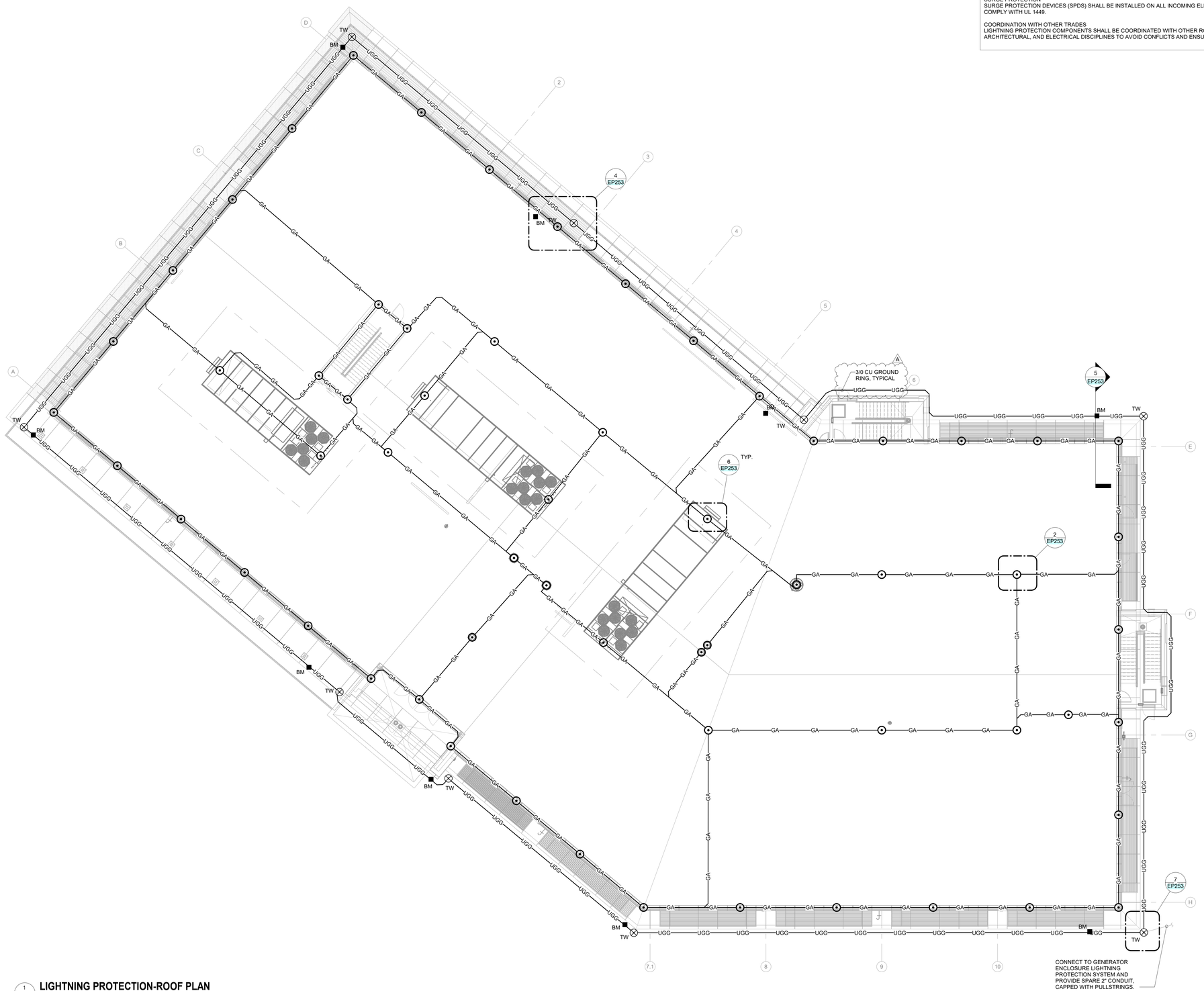
A QUALIFIED AND LICENSED LIGHTNING PROTECTION SYSTEM SPECIALTY CONTRACTOR MUST SUBMIT SEALED ENGINEERING DRAWINGS, AND SPECIFICATIONS BY A LICENSED PROFESSIONAL ENGINEER SPECIALIZING IN LIGHTNING PROTECTION SYSTEMS.

INSPECTIONS & LABELING
THE COMPLETED LPS INSTALLATION SHALL BE INSPECTED AND CERTIFIED BY UL (UNDERWRITERS LABORATORIES). CONTRACTOR SHALL COORDINATE ALL REQUIRED INSPECTIONS TO OBTAIN THE UL MASTER LABEL CERTIFICATE. THE CERTIFICATE SHALL BE SUBMITTED AS PART OF THE FINAL PROJECT CLOSEOUT DOCUMENTATION.

GROUNDING & BONDING
LPS GROUNDING SHALL BE INTEGRATED WITH THE FACILITY GROUNDING ELECTRODE SYSTEM PER UL 96A AND NEC REQUIREMENTS. ALL METALLIC SYSTEMS (E.G., ROOF SYSTEMS, HVAC UNITS, PIPING) WITHIN 6 FEET OF THE SYSTEM SHALL BE BONDED ACCORDINGLY.

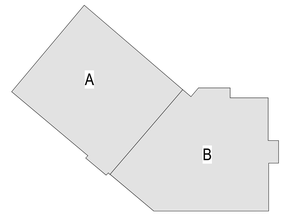
SURGE PROTECTION
SURGE PROTECTION DEVICES (SPDS) SHALL BE INSTALLED ON ALL INCOMING ELECTRICAL AND COMMUNICATION SERVICES AS PART OF THE LPS AND SHALL COMPLY WITH UL 1449.

COORDINATION WITH OTHER TRADES
LIGHTNING PROTECTION COMPONENTS SHALL BE COORDINATED WITH OTHER ROOFTOP AND BUILDING SYSTEMS, INCLUDING MECHANICAL, STRUCTURAL, ARCHITECTURAL, AND ELECTRICAL DISCIPLINES TO AVOID CONFLICTS AND ENSURE CONTINUOUS PROTECTION.



1 EP252 **LIGHTNING PROTECTION-ROOF PLAN**
3/32" = 1'-0"

KEY PLAN



mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLIETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

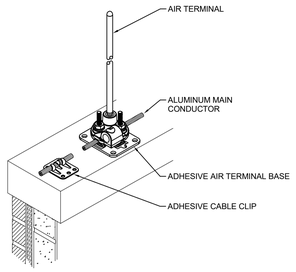
SHEET TITLE:
ELECTRICAL ROOF LIGHTNING PROTECTION PLAN

SHEET NO. EP252
PROJ. NO. 024370.00

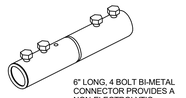
PROJECT NORTH

ALL DRAWINGS, DESCRIPTIONS AND CONCEPTS THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE ARE NOT TO BE USED IN ANY WAY OR FOR ANY PROJECT OTHER THAN THAT FOR WHICH THEY HAVE BEEN PREPARED, AND ARE NOT TO BE CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY, WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ANY UNAUTHORIZED USE, WITHOUT SUCH EXPRESS WRITTEN PERMISSION AND CONSENT SHALL BE WITHOUT LIABILITY TO MCMILLAN PAZDAN SMITH ARCHITECTURE, AND YOU SHALL INDEMNIFY AND HOLD HARMLESS MCMILLAN PAZDAN SMITH ARCHITECTURE FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING REASONABLE ATTORNEYS' FEES AND COSTS ARISING OUT OF OR RESULTING THEREFROM. VISUAL CONTACT WITH THESE DRAWINGS OR DESCRIPTIONS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.
ALL RIGHTS RESERVED

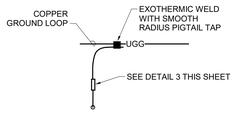
ALL DRAWINGS, DESCRIPTIONS AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED IN ANY ANOTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR ALL COPIES DESTROYED ON REQUEST AT THE COMPLETION OF THE PROJECT. THEY ARE NOT TO BE LOANED, COPIED OR REPRODUCED WITHOUT THE WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ANY UNAUTHORIZED USE, REUSE OR MODIFICATION OF THESE DRAWINGS AND SPECIFICATIONS WITHOUT THE WRITTEN AUTHORIZATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE WILL BE AT OWNER'S AND RECIPIENT'S SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO MCMILLAN PAZDAN SMITH ARCHITECTURE. RECIPIENT SHALL INDEMNIFY AND HOLD HARMLESS MCMILLAN PAZDAN SMITH ARCHITECTURE AND ITS OFFICERS, DIRECTORS, EMPLOYEES AND AGENTS AGAINST ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING ATTORNEYS' FEES, ARISING OUT OF OR RESULTING THEREFROM.
© COPYRIGHT 2026 MCMILLAN PAZDAN SMITH ARCHITECTURE
ALL RIGHTS RESERVED



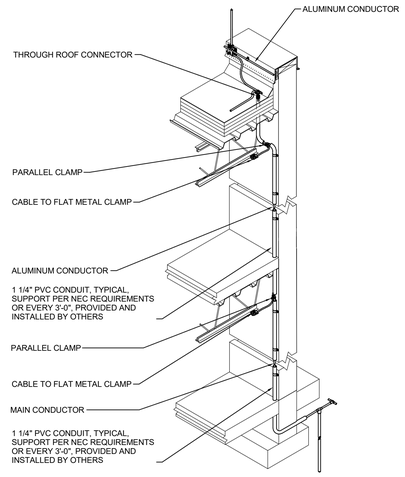
2 EP253 **AIR TERMINAL DETAIL**
NO SCALE



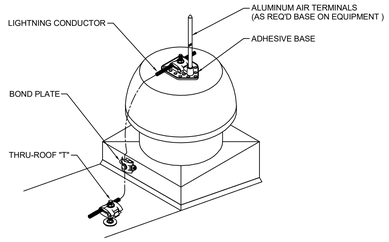
3 EP253 **BIMETALLIC CONNECTOR DETAIL**
NO SCALE



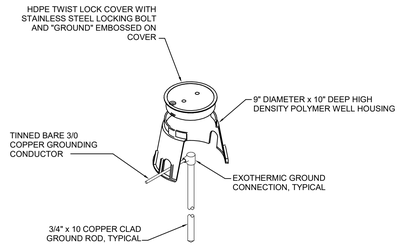
4 EP253 **GROUNDING DETAIL**
NO SCALE



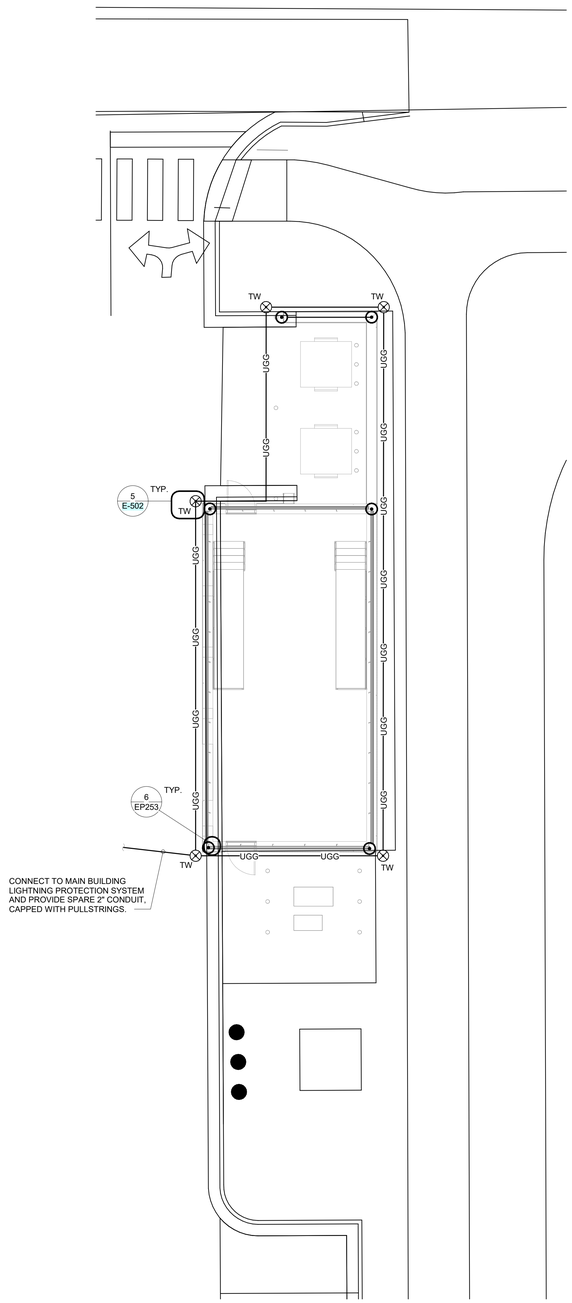
5 EP253 **LIGHTNING/GROUNDING INSTALLATION DETAIL**
NO SCALE



6 EP253 **EQUIPMENT PROTECTION DETAIL**
12" = 1'-0"



7 EP253 **GROUNDING INSPECTION WELL DETAIL "TW"**
NO SCALE



1 EP253 **LIGHTNING PROTECTION-GENERATOR ENCLOSURE**
1/8" = 1'-0"

mcmillan pazdan smith
ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLIETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

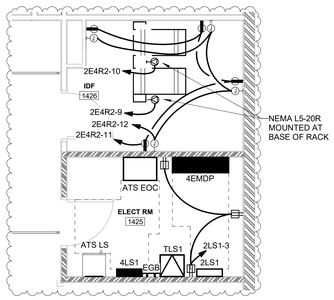
NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

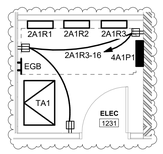
SHEET TITLE:
ELECTRICAL GEN. ENC. LIGHTNING PROTECTION PLAN

SHEET NO. EP253
PROJ. NO. 024370.00

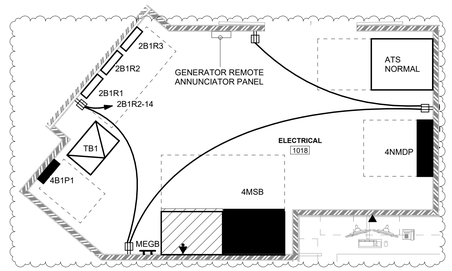
ALL DRAWINGS, DESCRIPTIONS AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE DRAWINGS ARE NOT TO BE USED IN ANY WAY OR FOR ANY PURPOSE OTHER THAN THE SPECIFIC PROJECT FOR WHICH THEY WERE PREPARED AND DEVELOPED, AND ARE NOT TO BE LOANED, COPIED OR DISCLOSED TO ANY UNAUTHORIZED PERSON WITHOUT THE WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ANY UNAUTHORIZED USE, DISCLOSURE OR REPRODUCTION IS PROHIBITED AND MAY RESULT IN LEGAL ACTION AGAINST THE PARTY RESPONSIBLE FOR SUCH UNAUTHORIZED USE. ALL RIGHTS RESERVED



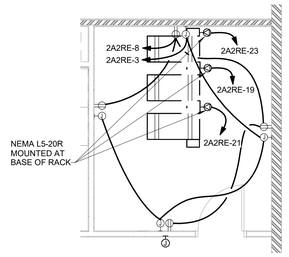
1 EP401 **LEVEL 01 - POWER - ENLARGED ELECT 1425 & IDF 1426**
1/4" = 1'-0"



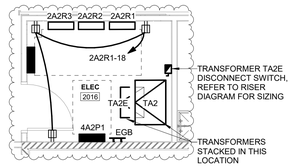
2 EP401 **LEVEL 01 - POWER - ENLARGED ELECTRICAL 1231**
1/4" = 1'-0"



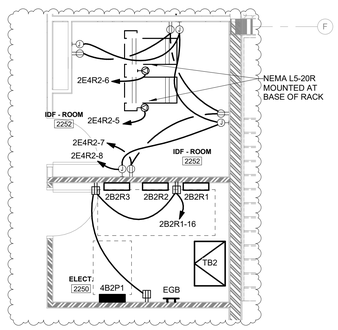
3 EP401 **LEVEL 01 - POWER - ENLARGED ELECTRICAL 1018**
1/4" = 1'-0"



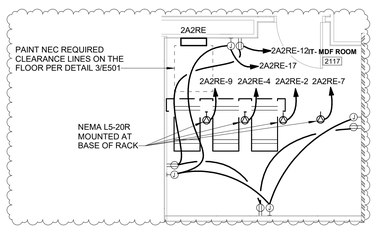
4 EP401 **LEVEL 01-POWER - ENLARGED IDF ROOM 1206**
1/4" = 1'-0"



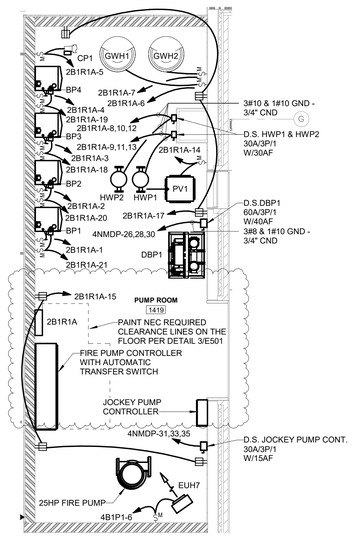
5 EP401 **LEVEL 02 - POWER - ENLARGED ELECTRICAL 2016**
1/4" = 1'-0"



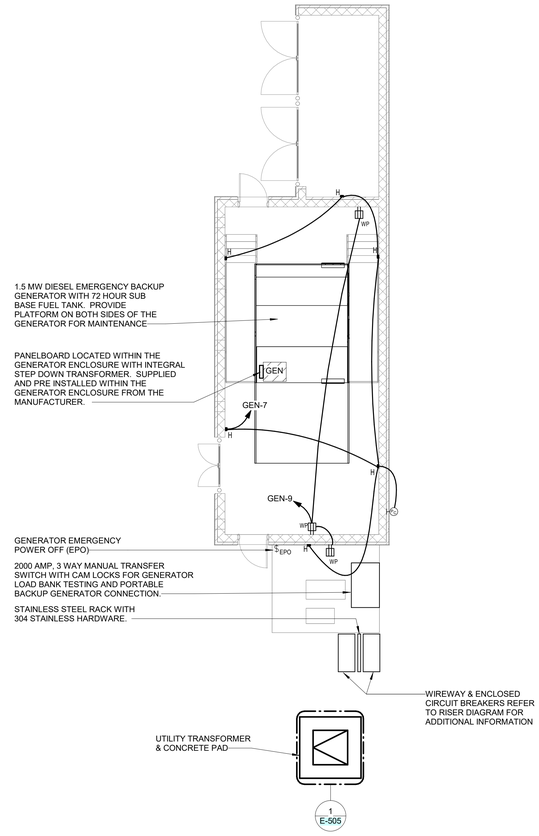
6 EP401 **LEVEL 02 - POWER - ENLARGED ELECTRICAL 2250 & IDF ROOM 2252**
1/4" = 1'-0"



7 EP401 **LEVEL 02 - POWER - ENLARGED IT-MDF ROOM 2117**
1/4" = 1'-0"



8 EP401 **LEVEL 01 - POWER - ENLARGED PUMP ROOM 1419**
1/4" = 1'-0"



9 EP401 **ENLARGED GENERATOR AND EQUIPMENT PLAN**
1/8" = 1'-0"

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

JASON P. FAMIGLIETTI
NORTH CAROLINA PROFESSIONAL ENGINEER
SEAL 35230
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

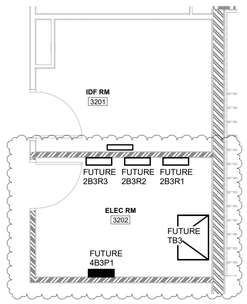
SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

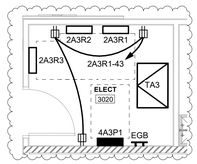
PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
ELECTRICAL - POWER PLANS - ENLARGED

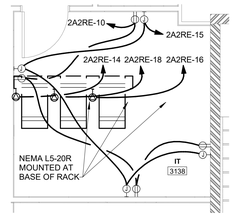
SHEET NO. EP401
PROJ. NO. 024370.00



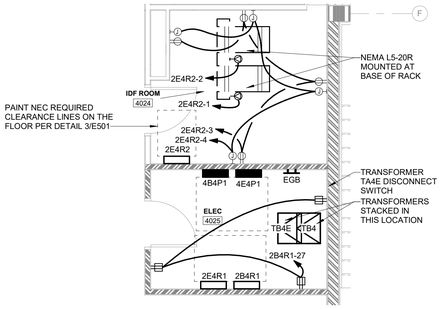
1 EP402 **LEVEL 03 - POWER - ENLARGED ELEC & IDF SHELL 3200**
1/4" = 1'-0"



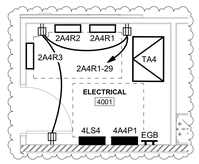
2 EP402 **LEVEL 03 - POWER - ENLARGED ELECTRICAL 3020**
1/4" = 1'-0"



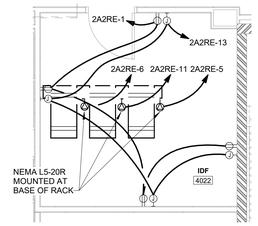
3 EP402 **LEVEL 03 - POWER - ENLARGED IT 3138**
1/4" = 1'-0"



4 EP402 **LEVEL 04 - POWER - ENLARGED ELEC 4025 & IDF 4024**
1/4" = 1'-0"



5 EP402 **LEVEL 04 - POWER - ENLARGED ELECTRICAL 4001**
1/4" = 1'-0"



6 EP402 **LEVEL 04 - POWER - ENLARGED IDF 4022**
1/4" = 1'-0"

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 35230 ENGINEER JASON P. FAMIGLIETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE:	02/06/2026
PHASE:	PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

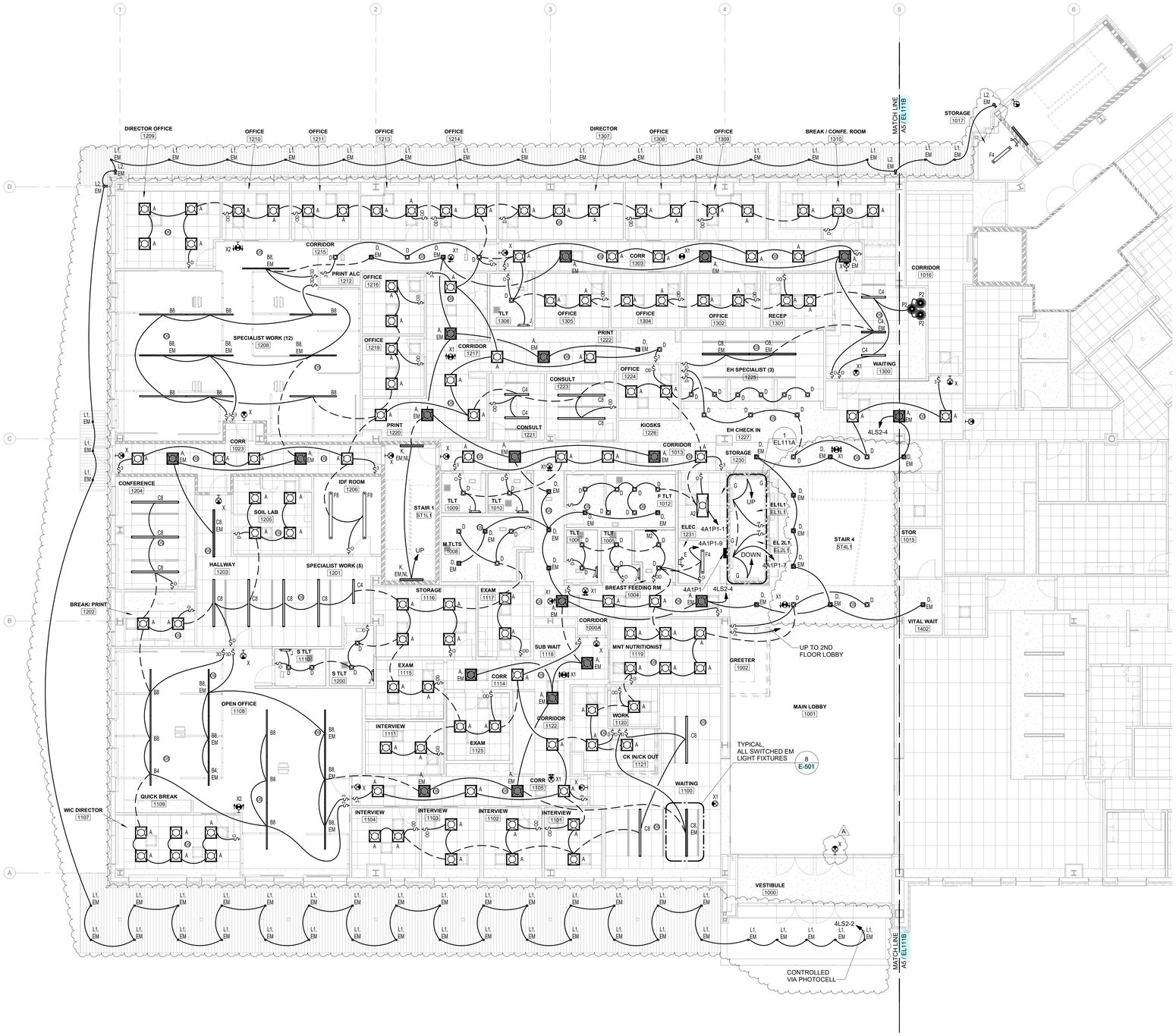
PRINCIPAL IN CHARGE:	JPF
DESIGNER:	RRD / AJC
DRAWN BY:	RRD / AJC

SHEET TITLE:
ELECTRICAL - POWER PLANS - ENLARGED

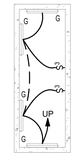
SHEET NO.
PROJ. NO. 024370.00

EP402

ALL DRAWINGS, SPECIFICATIONS AND CODES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THEY ARE NOT TO BE USED IN ANY WAY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED ON DEMAND AT THE COMPLETION OF THE WORK. ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING COPYRIGHT, IN THE DRAWINGS, SPECIFICATIONS AND CODES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE, WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, ARE EXPRESSLY RESERVED TO MCMILLAN PAZDAN SMITH ARCHITECTURE. SUBMISSION OR DISTRIBUTION OF THESE DOCUMENTS TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS.
© COPYRIGHT 2026 MCMILLAN PAZDAN SMITH ARCHITECTURE
ALL RIGHTS RESERVED



A5 / EL111A **LEVEL 01-LIGHTING-AREA A**
1/8" = 1'-0"



1 / EL111A **ELEVATOR #1 & #2 PIT**
1/8" = 1'-0"

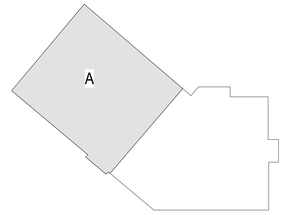
GENERAL NOTES:

ALL HATCHED LIGHTS ON LIFE SAFETY POWER IN CORRIDORS AND MULTI-GANG TOILET ROOMS SHALL BE UNSWITCHED, NIGHT LIGHTS.

ALL HATCHED LIGHTS ON LIFE SAFETY CIRCUITS IN ROOMS THAT ARE CONTROLLED VIA SWITCHES AND/OR SENSORS SHALL BE WIRED TO A UL924 EMERGENCY OVERRIDE DEVICE TO OPERATE THE LIGHTING AT FULL BRIGHT UPON LOSS OF NORMAL POWER REGARDLESS OF SWITCHING STATUS.

PROVIDE HOISTWAY LIGHTING CONTROLLED BY KEYED, MAINTAINED MULTI-LOCATION SWITCHES LOCATED AT EACH ELEVATOR LANDING ACCESS DOOR. ALL SWITCHES SHALL CONTROL THE ENTIRE HOISTWAY LIGHTING SYSTEM. LIGHTING SHALL REMAIN ENERGIZED UNTIL MANUALLY SWITCHED OFF BY AUTHORIZED PERSONNEL.

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 35230 ENGINEER JASON P. FAMIGLETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
ELECTRICAL LEVEL 01 - LIGHTING PLAN - AREA A

SHEET NO. EL111A
PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE, ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY, IN THE CASE OF COPIES STORED IN ANY PHYSICAL OR ELECTRONIC MEDIUM, DESTROYED AT THE END OF THE PROJECT. THE VISUAL CONTENTS OF THESE DRAWINGS ARE PROTECTED AS ARCHITECTURAL WORKS UNDER SECTIONS 102 AND 120 OF THE COPYRIGHT ACT OF THE UNITED STATES, AS AMENDED DECEMBER 1990. ANY UNAUTHORIZED USE, REPRODUCTION OR DISTRIBUTION OF THESE DRAWINGS, OR ANY PORTION THEREOF, MAY RESULT IN SEVERE CIVIL AND CRIMINAL PENALTIES, AND WILL BE PROSECUTED TO THE MAXIMUM EXTENT POSSIBLE UNDER THE LAW. ALL RIGHTS RESERVED



1 EL111B **ELEVATOR #3 PIT**
1/8" = 1'-0"

GENERAL NOTES:

ALL HATCHED LIGHTS ON LIFE SAFETY POWER IN CORRIDORS AND MULTI-GANG TOILET ROOMS SHALL BE UNSWITCHED, NIGHT LIGHTS.

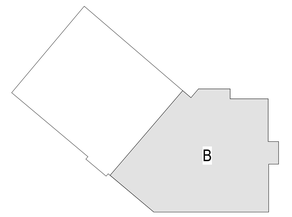
ALL HATCHED LIGHTS ON LIFE SAFETY CIRCUITS IN ROOMS THAT ARE CONTROLLED VIA SWITCHES AND/OR SENSORS SHALL BE WIRED TO A UL924 EMERGENCY OVERRIDE DEVICE TO OPERATE THE LIGHTING AT FULL BRIGHT UPON LOSS OF NORMAL POWER REGARDLESS OF SWITCHING STATUS.

PROVIDE HOISTWAY LIGHTING CONTROLLED BY KEYED, MAINTAINED MULTI-LOCATION SWITCHES LOCATED AT EACH ELEVATOR LANDING ACCESS DOOR. ALL SWITCHES SHALL CONTROL THE ENTIRE HOISTWAY LIGHTING SYSTEM. LIGHTING SHALL REMAIN ENERGIZED UNTIL MANUALLY SWITCHED OFF BY AUTHORIZED PERSONNEL.



A5 EL111B **LEVEL 01-LIGHTING-AREA B**
1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLIETTI 4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:

ELECTRICAL LEVEL 01 - LIGHTING PLAN - AREA B

SHEET NO. EL111B
PROJ. NO. 024370.00



A5 EL121A **LEVEL 02-LIGHTING-AREA A**

1/8" = 1'-0"

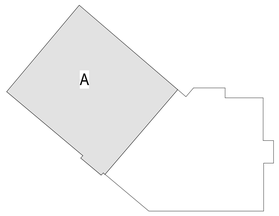
GENERAL NOTES:

ALL HATCHED LIGHTS ON LIFE SAFETY POWER IN CORRIDORS AND MULTI-GANG TOILET ROOMS SHALL BE UNSWITCHED, NIGHT LIGHTS.

ALL HATCHED LIGHTS ON LIFE SAFETY CIRCUITS IN ROOMS THAT ARE CONTROLLED VIA SWITCHES AND/OR SENSORS SHALL BE WIRED TO A UL924 EMERGENCY OVERRIDE DEVICE TO OPERATE THE LIGHTING AT FULL BRIGHT UPON LOSS OF NORMAL POWER REGARDLESS OF SWITCHING STATUS.

PROVIDE HOISTWAY LIGHTING CONTROLLED BY KEYED, MAINTAINED MULTI-LOCATION SWITCHES LOCATED AT EACH ELEVATOR LANDING ACCESS DOOR. ALL SWITCHES SHALL CONTROL THE ENTIRE HOISTWAY LIGHTING SYSTEM. LIGHTING SHALL REMAIN ENERGIZED UNTIL MANUALLY SWITCHED OFF BY AUTHORIZED PERSONNEL.

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLIETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:

ELECTRICAL LEVEL 02 - LIGHTING PLAN - AREA A

SHEET NO. PROJ. NO. 024370.00

EL121A

GENERAL NOTES:

ALL HATCHED LIGHTS ON LIFE SAFETY POWER IN CORRIDORS AND MULTI-GANG TOILET ROOMS SHALL BE UNSWITCHED, NIGHT LIGHTS.

ALL HATCHED LIGHTS ON LIFE SAFETY CIRCUITS IN ROOMS THAT ARE CONTROLLED VIA SWITCHES AND/OR SENSORS SHALL BE WIRED TO A UL924 EMERGENCY OVERRIDE DEVICE TO OPERATE THE LIGHTING AT FULL BRIGHT UPON LOSS OF NORMAL POWER REGARDLESS OF SWITCHING STATUS.

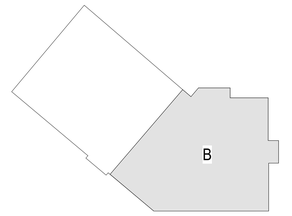
PROVIDE HOISTWAY LIGHTING CONTROLLED BY KEYED, MAINTAINED MULTI-LOCATION SWITCHES LOCATED AT EACH ELEVATOR LANDING ACCESS DOOR. ALL SWITCHES SHALL CONTROL THE ENTIRE HOISTWAY LIGHTING SYSTEM. LIGHTING SHALL REMAIN ENERGIZED UNTIL MANUALLY SWITCHED OFF BY AUTHORIZED PERSONNEL.



A5 EL121B **LEVEL 02-LIGHTING-AREA B**

1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLIETTI 4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:

ELECTRICAL LEVEL 02 - LIGHTING PLAN - AREA B

SHEET NO. PROJ. NO. 024370.00

EL121B

ALL DRAWINGS, SPECIFICATIONS AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED ON REQUEST AT THE COMPLETION OF THE WORK. ALL DOCUMENTS ARE NOT TO BE CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY, WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ANY UNAUTHORIZED USE, DISCLOSURE OR COPYING OF THIS DOCUMENT WITHOUT THE EXPRESS WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE IS STRICTLY PROHIBITED AND MAY RESULT IN SERIOUS LEGAL LIABILITY. ANY JOINT USE IS PROHIBITED. ALL RIGHTS RESERVED

GENERAL NOTES:

ALL HATCHED LIGHTS ON LIFE SAFETY POWER IN CORRIDORS AND MULTI-GANG TOILET ROOMS SHALL BE UNSWITCHED, NIGHT LIGHTS.

ALL HATCHED LIGHTS ON LIFE SAFETY CIRCUITS IN ROOMS THAT ARE CONTROLLED VIA SWITCHES AND/OR SENSORS SHALL BE WIRED TO A UL924 EMERGENCY OVERRIDE DEVICE TO OPERATE THE LIGHTING AT FULL BRIGHT UPON LOSS OF NORMAL POWER REGARDLESS OF SWITCHING STATUS.

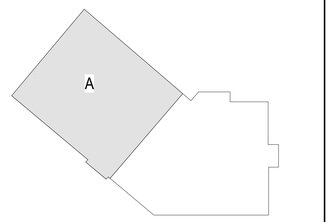
PROVIDE HOISTWAY LIGHTING CONTROLLED BY KEYED, MAINTAINED MULTI-LOCATION SWITCHES LOCATED AT EACH ELEVATOR LANDING ACCESS DOOR. ALL SWITCHES SHALL CONTROL THE ENTIRE HOISTWAY LIGHTING SYSTEM. LIGHTING SHALL REMAIN ENERGIZED UNTIL MANUALLY SWITCHED OFF BY AUTHORIZED PERSONNEL.



A5 EL131A **LEVEL 03-LIGHTING-AREA A**

1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLIETTI 4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
ELECTRICAL LEVEL 03 - LIGHTING PLAN - AREA A

SHEET NO. EL131A
PROJ. NO. 024370.00

GENERAL NOTES:

ALL HATCHED LIGHTS ON LIFE SAFETY POWER IN CORRIDORS AND MULTI-GANG TOILET ROOMS SHALL BE UNSWITCHED, NIGHT LIGHTS.

ALL HATCHED LIGHTS ON LIFE SAFETY CIRCUITS IN ROOMS THAT ARE CONTROLLED VIA SWITCHES AND/OR SENSORS SHALL BE WIRED TO A UL924 EMERGENCY OVERRIDE DEVICE TO OPERATE THE LIGHTING AT FULL BRIGHT UPON LOSS OF NORMAL POWER REGARDLESS OF SWITCHING STATUS.

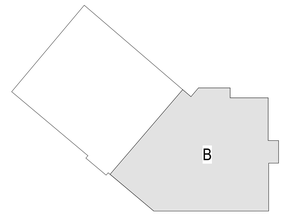
PROVIDE HOISTWAY LIGHTING CONTROLLED BY KEYED, MAINTAINED MULTI-LOCATION SWITCHES LOCATED AT EACH ELEVATOR LANDING ACCESS DOOR. ALL SWITCHES SHALL CONTROL THE ENTIRE HOISTWAY LIGHTING SYSTEM. LIGHTING SHALL REMAIN ENERGIZED UNTIL MANUALLY SWITCHED OFF BY AUTHORIZED PERSONNEL.



A5 EL131B **LEVEL 03-LIGHTING-AREA B**

1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLIETTI 4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
ELECTRICAL LEVEL 03 - LIGHTING PLAN - AREA B

SHEET NO. PROJ. NO. 024370.00

EL131B

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

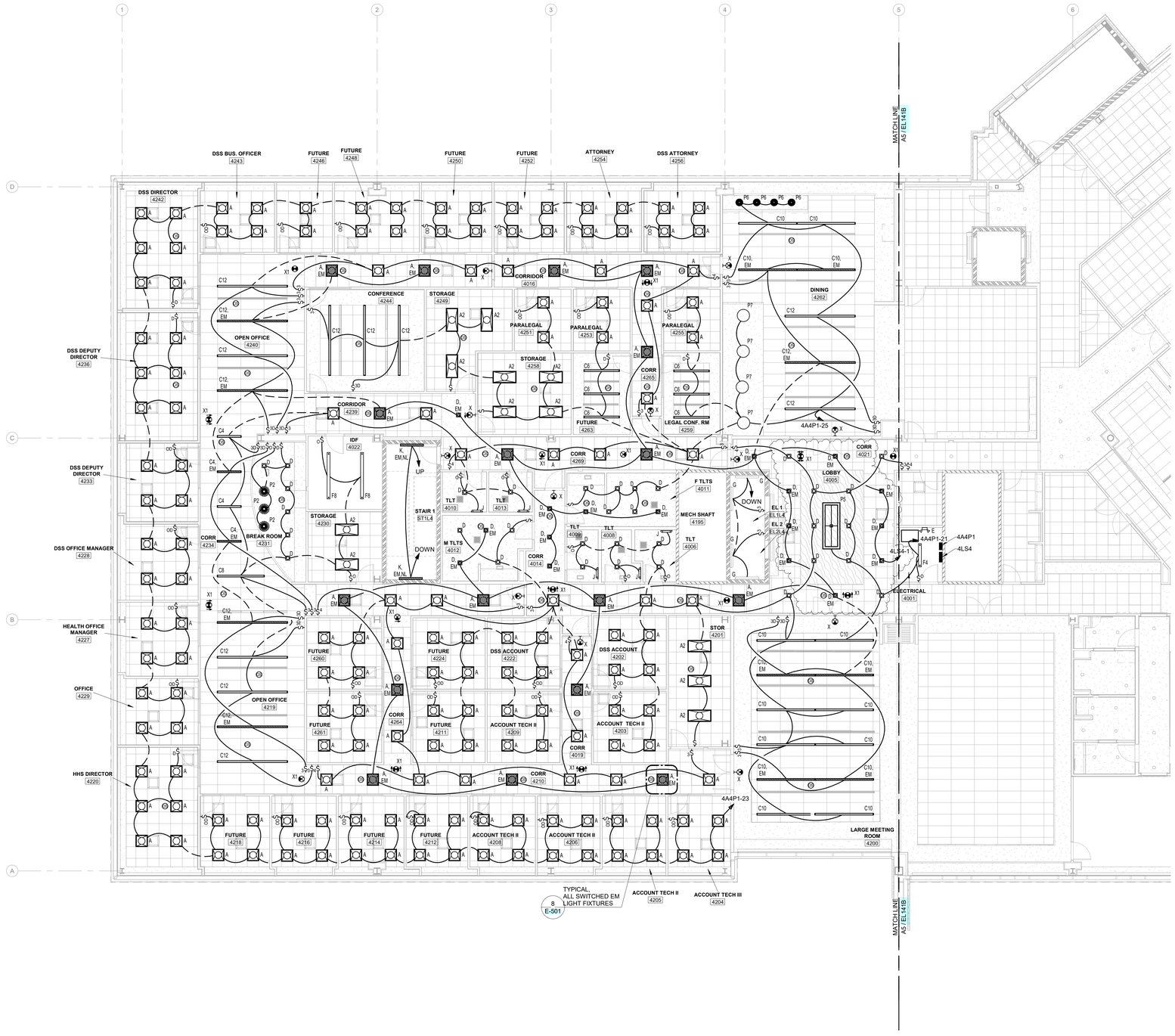
ALL DRAWINGS, SPECIFICATIONS AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED UPON REQUEST AT THE COMPLETION OF THE PROJECT. THE USE, DISCLOSURE OR REPRODUCTION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S DRAWINGS AND SPECIFICATIONS FOR ANY PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE IS PROHIBITED. © COPYRIGHT MCMILLAN PAZDAN SMITH ARCHITECTURE, 2024 ALL RIGHTS RESERVED

GENERAL NOTES:

ALL HATCHED LIGHTS ON LIFE SAFETY POWER IN CORRIDORS AND MULTI-GANG TOILET ROOMS SHALL BE UNSWITCHED, NIGHT LIGHTS.

ALL HATCHED LIGHTS ON LIFE SAFETY CIRCUITS IN ROOMS THAT ARE CONTROLLED VIA SWITCHES AND/OR SENSORS SHALL BE WIRED TO A UL924 EMERGENCY OVERRIDE DEVICE TO OPERATE THE LIGHTING AT FULL BRIGHT UPON LOSS OF NORMAL POWER REGARDLESS OF SWITCHING STATUS.

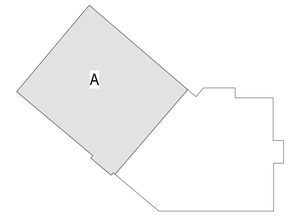
PROVIDE HOISTWAY LIGHTING CONTROLLED BY KEYED, MAINTAINED MULTI-LOCATION SWITCHES LOCATED AT EACH ELEVATOR LANDING ACCESS DOOR. ALL SWITCHES SHALL CONTROL THE ENTIRE HOISTWAY LIGHTING SYSTEM. LIGHTING SHALL REMAIN ENERGIZED UNTIL MANUALLY SWITCHED OFF BY AUTHORIZED PERSONNEL.



A5 / EL141A **LEVEL 04-LIGHTING-AREA A**

1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLETTI 4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
ELECTRICAL LEVEL 04 - LIGHTING PLAN - AREA A

SHEET NO. EL141A
PROJ. NO. 024370.00

ALL DRAWINGS, DESCRIPTIONS AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY, DESTROYED ON THE COMPLETION OF THE PROJECT. THEY ARE NOT TO BE LOANED, COPIED OR REPRODUCED FOR ANY PURPOSE WHATSOEVER WITHOUT THE EXPRESS PERMISSION OF, AND PROPER ACKNOWLEDGEMENT TO, MCMILLAN PAZDAN SMITH ARCHITECTURE. ANY UNAUTHORIZED USE, DISCLOSURE OR REPRODUCTION IS PROHIBITED AND VIOLATORS WILL BE PROSECUTED TO THE FULLEST EXTENT OF THE LAW. MCMILLAN PAZDAN SMITH ARCHITECTURE SHALL BE PRESUMED TO HAVE SUFFERED IRREPARABLE HARM IN THE EVENT OF ANY UNAUTHORIZED USE, DISCLOSURE OR REPRODUCTION AND SHALL BE ENTITLED TO INJUNCTIVE RELIEF AND ALL OTHER REMEDIES AVAILABLE AT LAW OR IN EQUITY.
ALL RIGHTS RESERVED

GENERAL NOTES:

ALL HATCHED LIGHTS ON LIFE SAFETY POWER IN CORRIDORS AND MULTI-GANG TOILET ROOMS SHALL BE UNSWITCHED, NIGHT LIGHTS.

ALL HATCHED LIGHTS ON LIFE SAFETY CIRCUITS IN ROOMS THAT ARE CONTROLLED VIA SWITCHES AND/OR SENSORS SHALL BE WIRED TO A UL924 EMERGENCY OVERRIDE DEVICE TO OPERATE THE LIGHTING AT FULL BRIGHT UPON LOSS OF NORMAL POWER REGARDLESS OF SWITCHING STATUS.

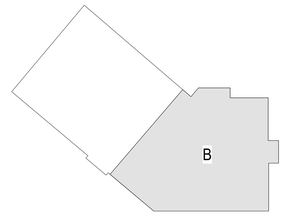
PROVIDE HOISTWAY LIGHTING CONTROLLED BY KEYED, MAINTAINED MULTI-LOCATION SWITCHES LOCATED AT EACH ELEVATOR LANDING ACCESS DOOR. ALL SWITCHES SHALL CONTROL THE ENTIRE HOISTWAY LIGHTING SYSTEM. LIGHTING SHALL REMAIN ENERGIZED UNTIL MANUALLY SWITCHED OFF BY AUTHORIZED PERSONNEL.



A5 EL141B **LEVEL 04-LIGHTING-AREA B**

1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLETTI 4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

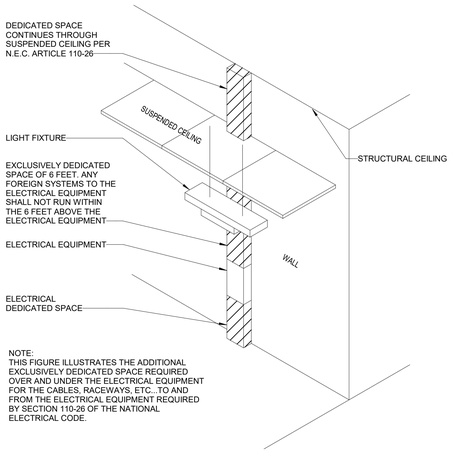
NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
ELECTRICAL LEVEL 04 - LIGHTING PLAN - AREA B

SHEET NO. EL141B
PROJ. NO. 024370.00

ALL DRAWINGS, DESCRIPTION AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ANY WAY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY DESTROYED AT THE END OF THE PROJECT. THE VISUAL CONTROL OF THE DISTRIBUTION OF THESE DOCUMENTS IS THE RESPONSIBILITY OF THE OWNER. REPRODUCTION OF THESE DOCUMENTS, IN WHOLE OR IN PART, OR ANY FORM OR MANNER WHATSOEVER, OR PASSING THEM TO ANY UNAUTHORIZED PARTY, IS FORBIDDEN WITHOUT THE EXPRESS WRITTEN PERMISSION AND CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. VISUAL CONTACT WITH THESE DRAWINGS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.
© COPYRIGHT 2026 MCMILLAN PAZDAN SMITH ARCHITECTURE
ALL RIGHTS RESERVED



2 E-501 **DEDICATED SPACE FOR ELECTRICAL EQUIPMENT**

NOT TO SCALE

TABLE 110.26(A)(1) - WORKING SPACES

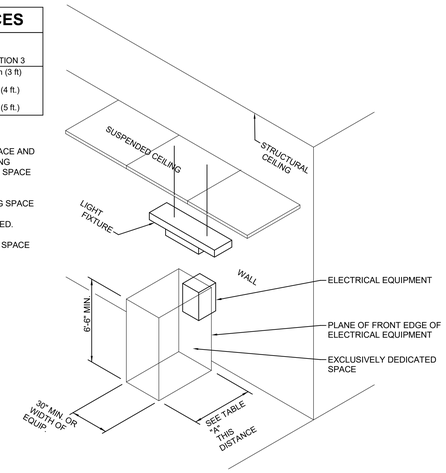
NOMINAL VOLTAGE TO GROUND	MINIMUM CLEAR DISTANCE (FEET)		
	CONDITION 1	CONDITION 2	CONDITION 3
0 - 150	900mm (3 ft)	900mm (3 ft)	900mm (3 ft)
151 - 600	900mm (3 ft)	1.0m (3 ft 6 in.)	1.2 m (4 ft.)
601 - 1000	900mm (3 ft)	1.2 m (4 ft.)	1.5 m (5 ft.)

NOTE: WHERE THE "CONDITIONS" ARE AS FOLLOWS:

CONDITION 1 - EXPOSED LIVE PARTS ON ONE SIDE OF WORKING SPACE AND NO LIVE OR GROUNDED PARTS ON THE OTHER SIDE OF THE WORKING SPACE, OR EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORKING SPACE THAT ARE EFFECTIVELY GUARDED BY INSULATING MATERIALS.

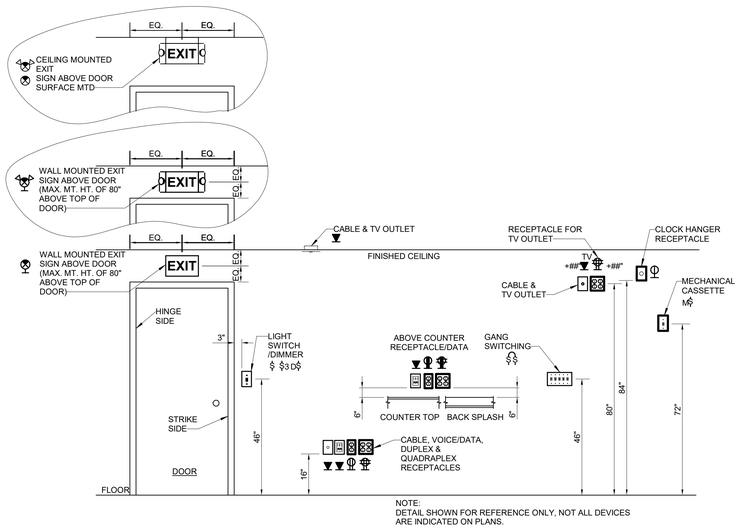
CONDITION 2 - EXPOSED LIVE PARTS ON ONE SIDE OF THE WORKING SPACE AND GROUNDED PARTS ON THE OTHER SIDE OF WORKING SPACE. CONCRETE BRICK, OR TILE WALLS SHALL BE CONSIDERED GROUNDED.

CONDITION 3 - EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORK SPACE



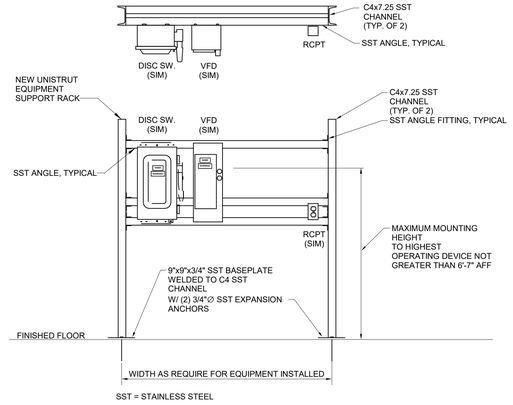
3 E-501 **WORKING CLEARANCE FOR ELECTRICAL EQUIPMENT**

NOT TO SCALE



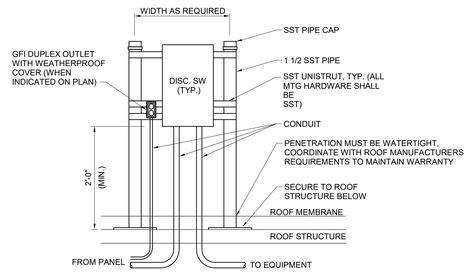
4 E-501 **ELECTRICAL DEVICES MOUNTING DETAIL**

NOT TO SCALE



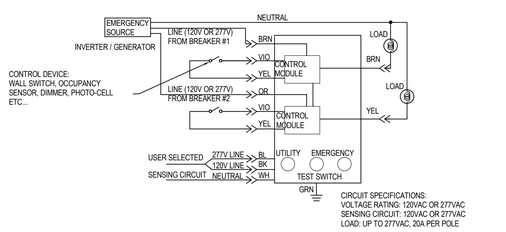
5 E-501 **EQUIPMENT SUPPORT RACK DETAIL**

NOT TO SCALE



6 E-501 **EQUIPMENT SUPPORT RACK DETAIL - ROOF**

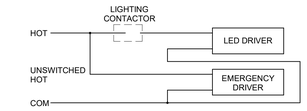
NOT TO SCALE



OPERATION:
EMERGENCY EGRESS LIGHTING SHALL BE PROVIDED BY NORMAL LIGHTING LOADS EQUIPPED WITH THE LIGHT SWITCH TRANSFER AUTOMATIC RELAY AND SUPPLIED BY A INVERTER / GENERATOR. THE DEVICE SHALL BY-PASS THE CONNECTED SWITCHING MEANS AND ENERGIZE THE ASSOCIATED LOADS UPON LOSS OF UTILITY POWER. THE DEVICE SHALL BE COMPOSED OF A UTILITY INDICATOR LIGHT, AN EMERGENCY INDICATOR LIGHT, A MOMENTARY TEST SWITCH, A RELAY SWITCHING CIRCUIT AND A UTILITY SENSING CIRCUIT THAT OPERATES AT 120V/277V, 60HZ. THE UNIT SHALL SWITCH TWO SEPARATE SINGLE POLE LIGHTING LOADS UP TO 20 AMPS AT 120V/277V OR ONE DOUBLE POLE LIGHTING LOAD UP TO 20 AMPS AT 208V/240V. THE UNIT SHALL BE ETL LISTED TO THE UL 924 STANDARDS FOR EMERGENCY LIGHTING. (ACCEPTABLE MANUFACTURERS: CHLORIDE LIGHTSTAR, PHILIPS BODINE GTD-2A, OR APPROVED EQUAL)

8 E-501 **INTERIOR EGRESS OVERRIDE**

NOT TO SCALE



9 E-501 **EXTERIOR EGRESS OVERRIDE.**

NOT TO SCALE

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLIETTI 4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

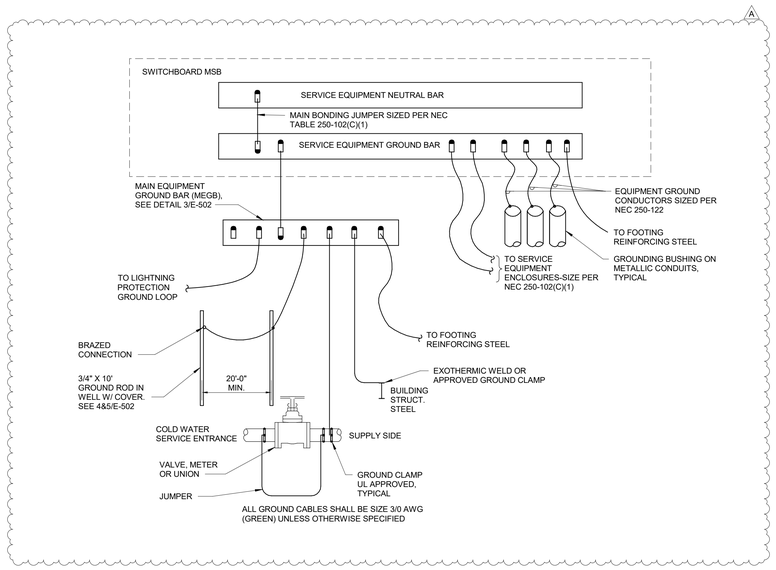
NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

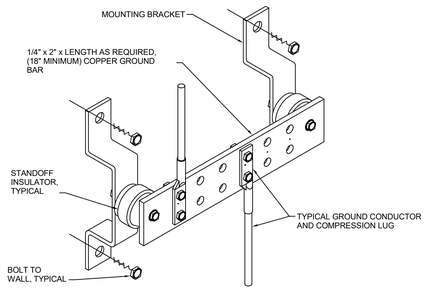
SHEET TITLE:
ELECTRICAL DETAILS

SHEET NO. E-501
PROJ. NO. 024370.00

ALL DRAWINGS, DESCRIPTION AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED IN ANY ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY, DESTROYED ON REQUEST. THESE MATERIALS ARE NOT TO BE CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY, WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ANY UNAUTHORIZED USE, WITHOUT SUCH PERMISSION AND CONSENT SHALL BE AT THE SOLE RISK OF THE USER, AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO MCMILLAN PAZDAN SMITH ARCHITECTURE. ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING COPYRIGHT, ARE RESERVED.
ALL RIGHTS RESERVED

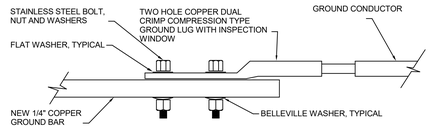


2 E-502 **SERVICE GROUNDING DETAIL**
NOT TO SCALE

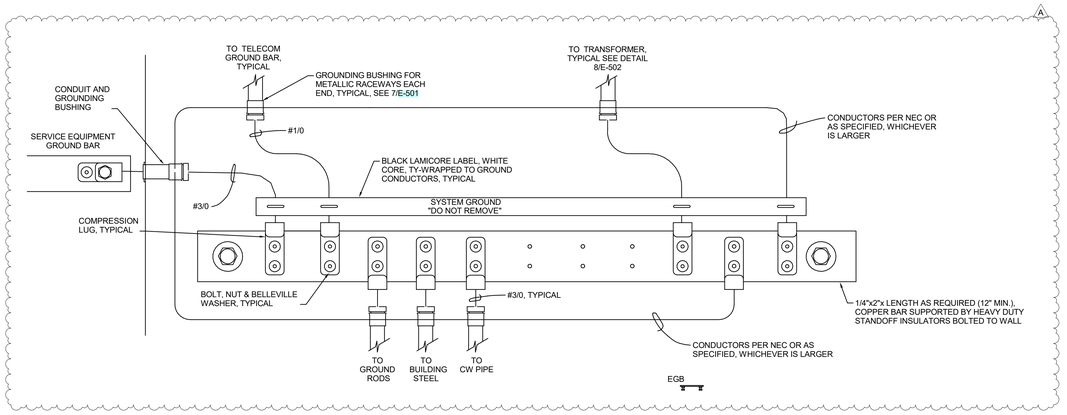


SEE SPECS SECTION 260526 FOR ADDITIONAL DETAILS

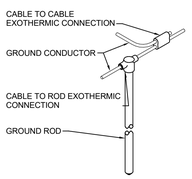
HEAVY DUTY STANDOFF INSULATORS



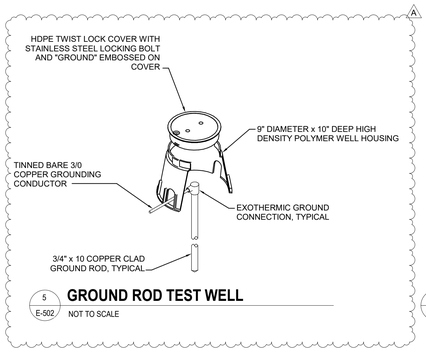
GROUND CONDUCTOR AND COMPRESSION LUG DETAIL



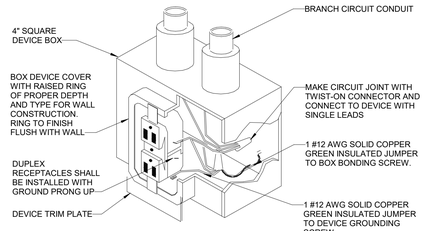
3 E-502 **EQUIPMENT GROUND BAR DETAIL (EGB)**
NOT TO SCALE



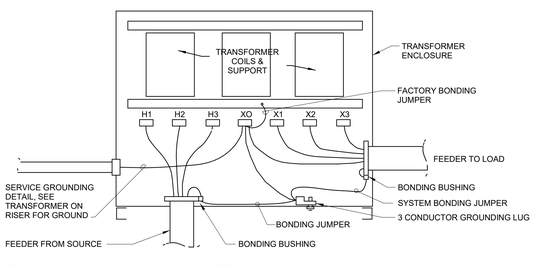
4 E-502 **GROUND ROD DETAIL**
NOT TO SCALE



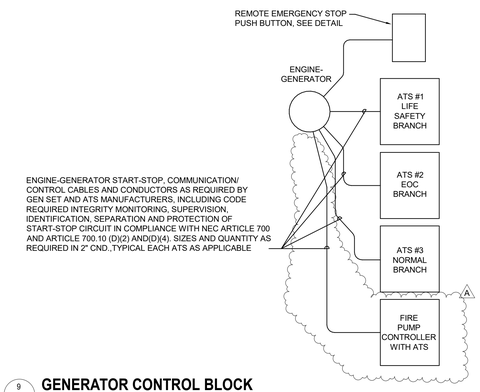
5 E-502 **GROUND ROD TEST WELL**
NOT TO SCALE



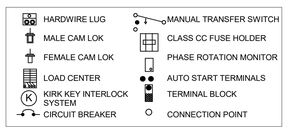
6 E-502 **RECEPTACLE GROUNDING DETAIL**
NOT TO SCALE

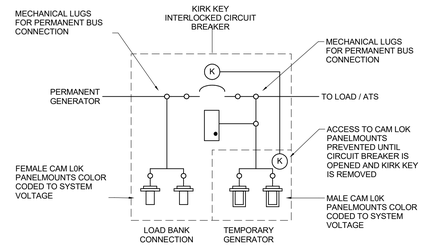


8 E-502 **TRANSFORMER GROUNDING DETAIL1**
NOT TO SCALE

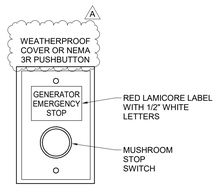


9 E-502 **GENERATOR CONTROL BLOCK**
NOT TO SCALE





10 E-502 **GENERATOR DOCKING STATION WIRING DIAGRAM**
NOT TO SCALE



11 E-502 **REMOTE E-G SET EMERGENCY STOP PUSH BUTTON**
NOT TO SCALE

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLETTI 4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE:	02/06/2026
PHASE:	PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

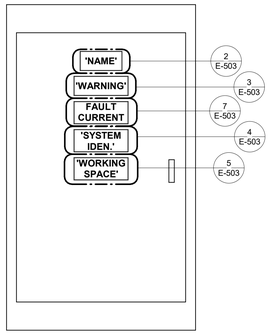
PRINCIPAL IN CHARGE:	JPF
DESIGNER:	RRD / AJC
DRAWN BY:	RRD / AJC

SHEET TITLE:
ELECTRICAL DETAILS

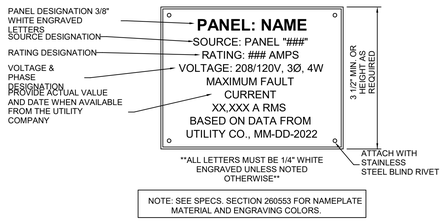
SHEET NO. E-502
PROJ. NO. 024370.00

ALL DRAWINGS, DESCRIPTIONS AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THOSE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY DESTROYED FOLLOWING COMPLETION OF THE PROJECT. THE USE, DISCLOSURE, REPRODUCTION OR DISTRIBUTION OF DRAWINGS AND SPECIFICATIONS BY MCMILLAN PAZDAN SMITH ARCHITECTURE FOR ANY UNAUTHORIZED PURPOSE IS PROHIBITED. © COPYRIGHT 2026 MCMILLAN PAZDAN SMITH ARCHITECTURE. ALL RIGHTS RESERVED

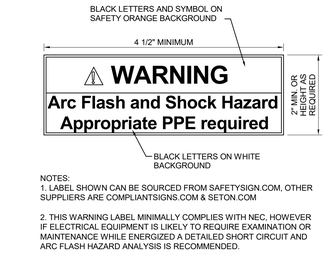
D



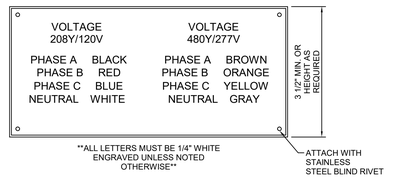
1 E-503 **REQUIRED SWITCHBOARD/PANELBOARD NAMEPLATE & LABELS**
NOT TO SCALE



2 E-503 **SWITCHBOARD/PANELBOARD NAMEPLATE**
NOT TO SCALE

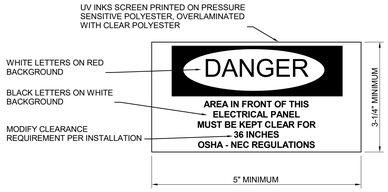


3 E-503 **ELECTRICAL EQUIPMENT WARNING LABEL**
NOT TO SCALE

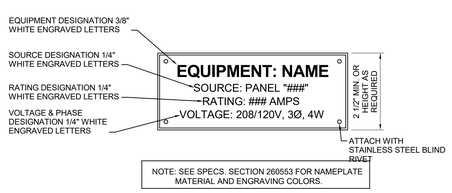


4 E-503 **SYSTEM IDENTIFICATION LABEL**
NOT TO SCALE

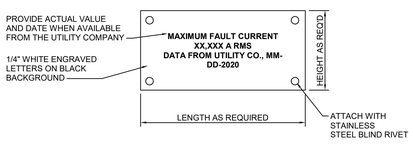
C



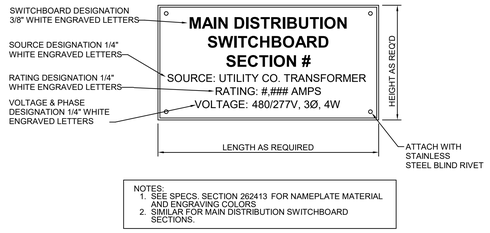
5 E-503 **NEC WORKING SPACE LABEL**
NOT TO SCALE



6 E-503 **EQUIPMENT NAMEPLATE**
NOT TO SCALE

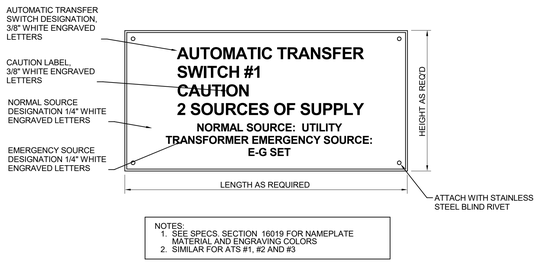


7 E-503 **FAULT CURRENT NAMEPLATE**
NOT TO SCALE

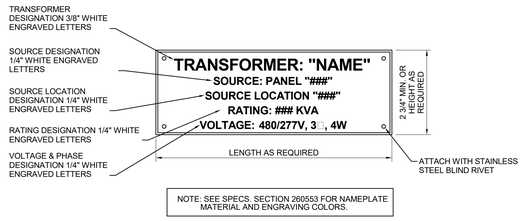


8 E-503 **MAIN DIST.SWITCHBOARD NAMEPLATE**
NOT TO SCALE

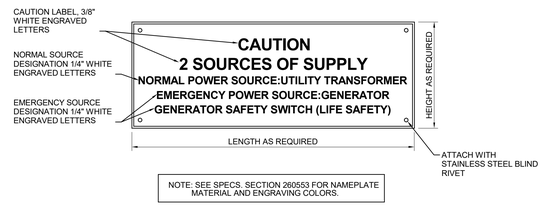
B



9 E-503 **AUTOMATIC TRANSFER SWITCH NAMEPLATE**
NOT TO SCALE

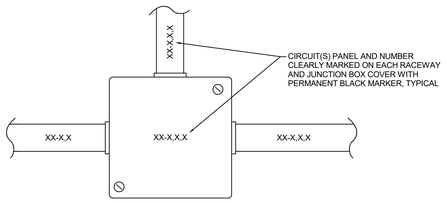


10 E-503 **TRANSFORMER NAMEPLATE**
NOT TO SCALE

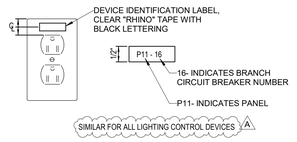


11 E-503 **CAUTION 2 SOURCES OF SUPPLY NAMEPLATE**
NOT TO SCALE

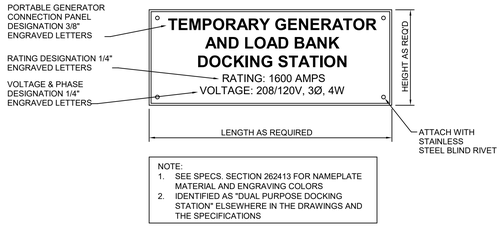
A



12 E-503 **CIRCUIT IDENTIFICATION**
NOT TO SCALE



13 E-503 **LABELING DETAIL**
NOT TO SCALE



14 E-503 **TEMP GENERATOR LOAD BANK DOCKING STATION NAMPLATE**
NOT TO SCALE

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 35230 ENGINEER JASON P. FAMIGLIETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

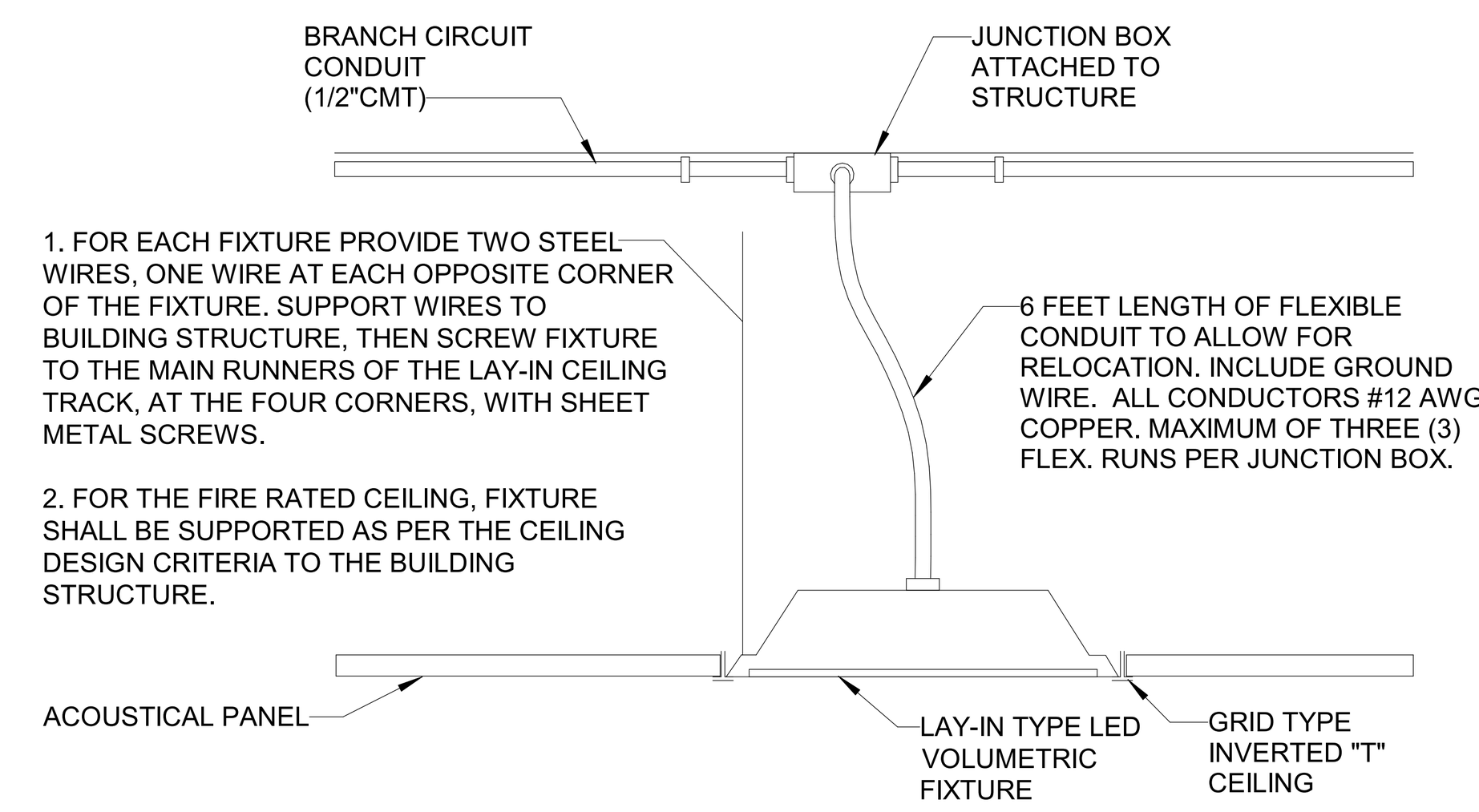
PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
ELECTRICAL DETAILS

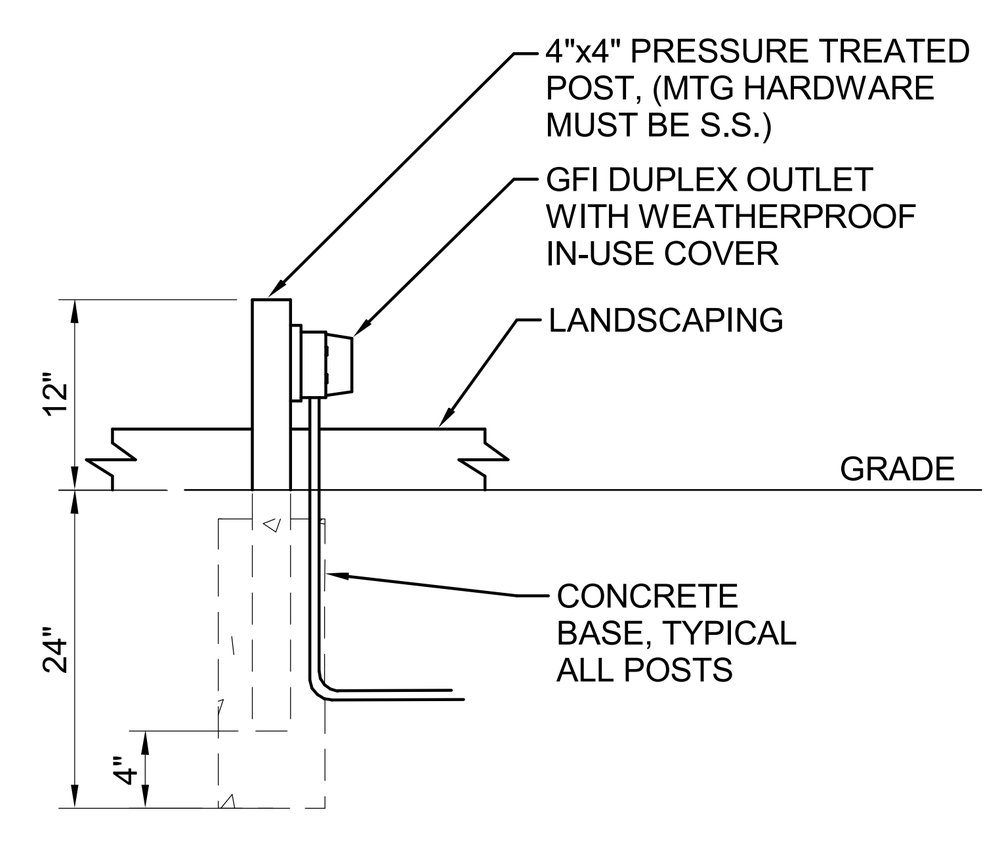
SHEET NO. E-503
PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

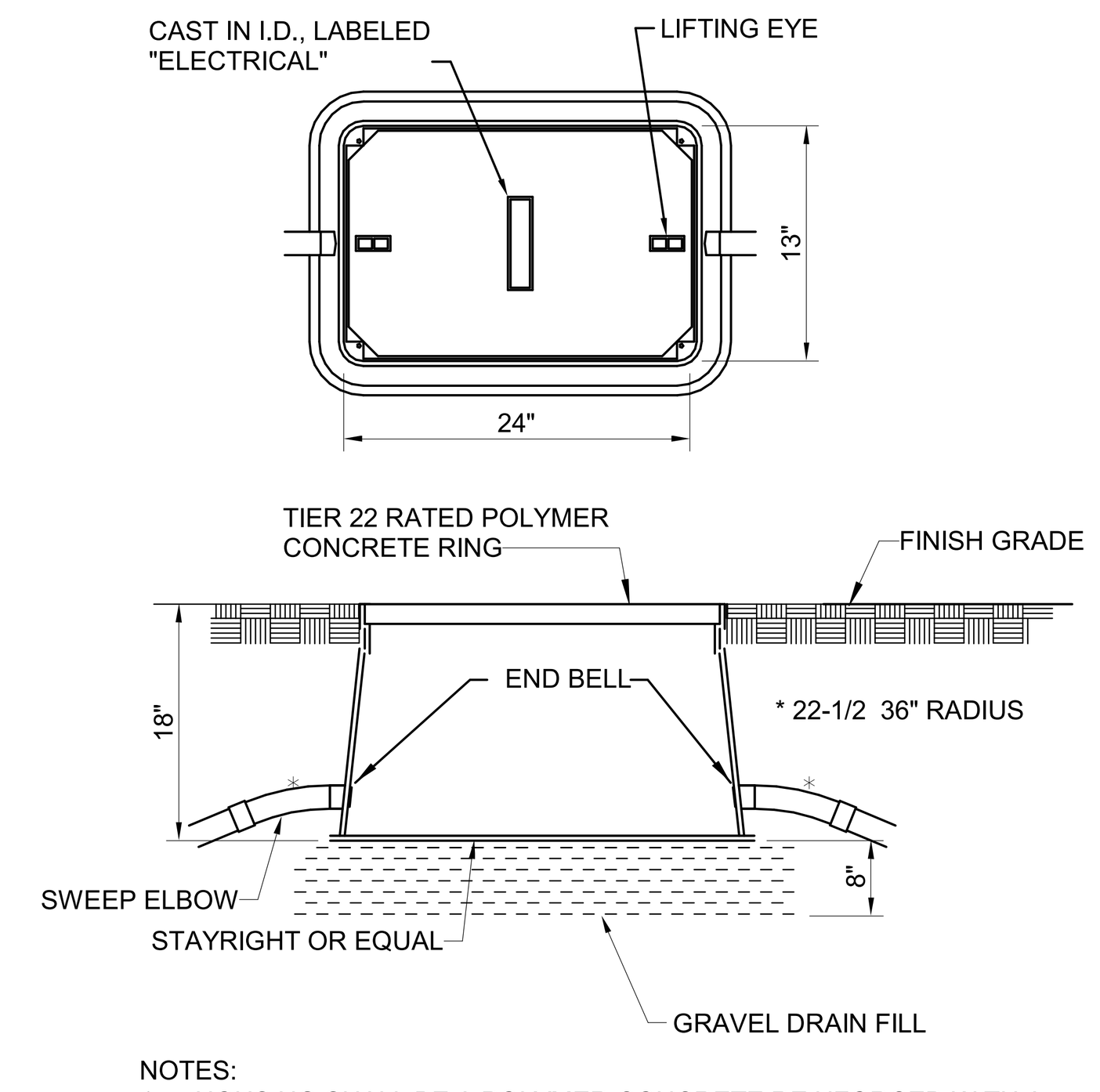
D



1 E-504 **LIGHTING FIXTURE MOUNTING DETAIL**
NOT TO SCALE



2 E-504 **OUTDOOR RECEPTACLE MOUNTING DETAIL**
NOT TO SCALE



NOTES:
1. HOUSING SHALL BE A POLYMER CONCRETE REINFORCED WITH A HEAVY WEAVE FIBERGLASS.
2. BOX AND COVER SHALL CONFORM TO TIER 22 REQUIREMENTS.
3. PROVIDE STAINLESS STEEL BOLTS AND INSERTS.
4. PROVIDE WITH (IN & OUT) 3/4" - 1 1/4" MOUSEHOLES, SEE DRAWINGS FOR CONDUIT SIZES.
5. PROVIDE LABEL "ELECTRICAL" FOR HANDHOLES.

3 E-504 **HAND HOLE DETAIL**
NOT TO SCALE

C

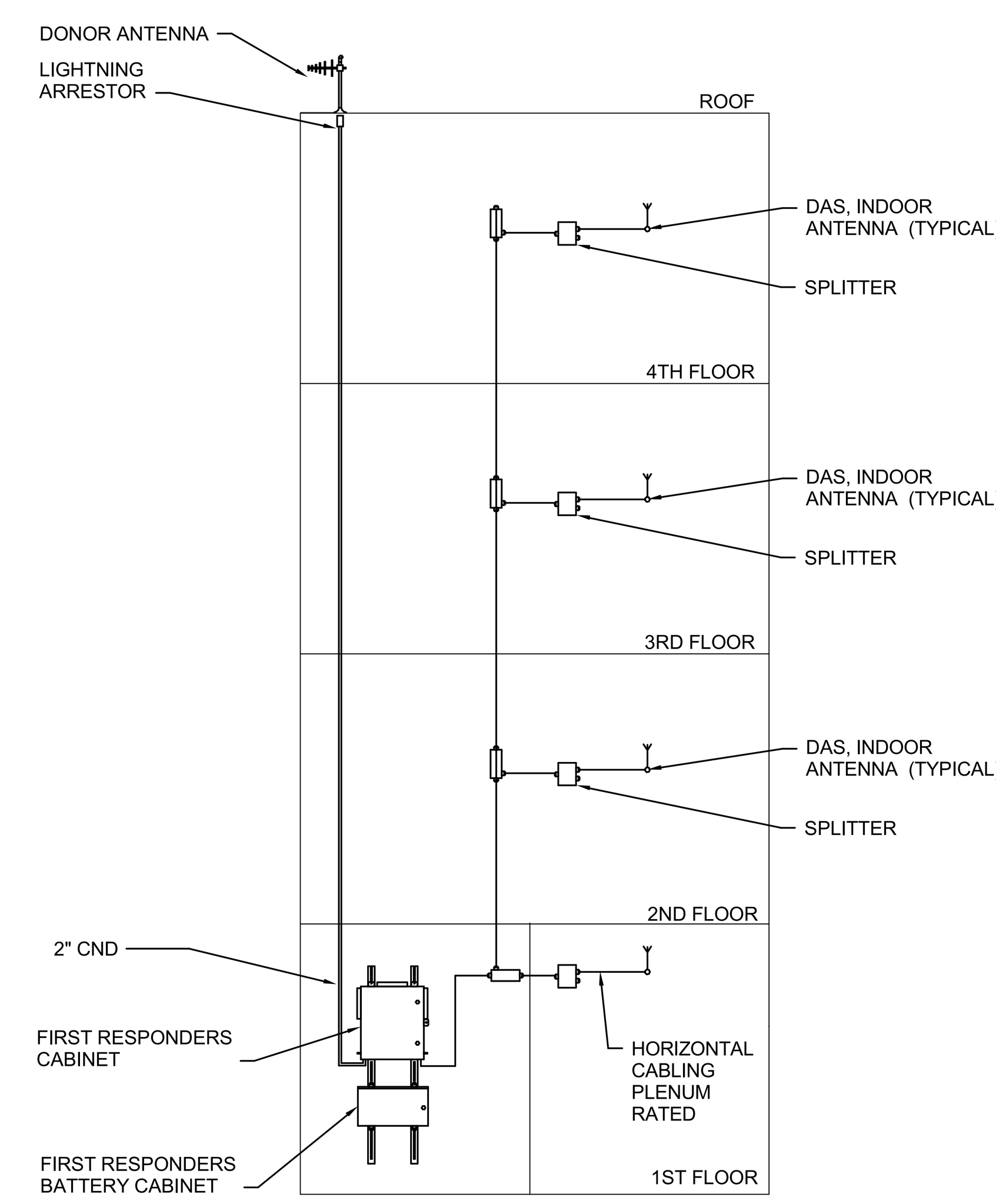
FIRST RESPONDERS GENERAL NOTE:

1. NOT ALL COMPONENTS REQUIRED ARE INDICATED ARE INDICATED IN THE INFORMATION PROVIDED IN THE INSTALLATION NOTES, RISER AND FLOOR PLAN(S). THE CONTRACTOR MUST PROVIDE A FULLY FUNCTIONAL AND OPERATIONAL SYSTEM AS PART OF THE PROJECTS CONTRACT.

A

FIRST RESPONDERS INSTALLATION NOTES

1. ALL WIRING SHALL BE IN ACCORDANCE WITH LOCAL AND NATIONAL CODES, INCLUDING NFPA 72 (2013 EDITION) AND NEC.
2. A FIRST RESPONDERS SYSTEM IS AN EMERGENCY RESPONDER RADIO ENHANCED SYSTEM IN COMPLIANCE WITH THE NC FIRE CODE, SECTION 510.
3. WHERE REQUIRED, WIRING SHALL BE RUN IN MINIMUM 3/4" CONDUIT. SURFACE METAL RACEWAY IS ACCEPTABLE.
4. PLENUM RATED COAXIAL CABLE WITHOUT CONDUIT, MAY BE ACCEPTABLE FOR HORIZONTAL RUNS IN AREAS OTHER THAN WHERE WATERPROOF DEVICES ARE REQUIRED. HOWEVER, CONDUIT SHALL BE USED TO PENETRATIONS IN RATED WALLS SHALL BE MADE IN CONDUIT PER APPROPRIATE U.L. SYSTEM.
5. MANUFACTURER'S 1/2" COAXIAL CABLE SHALL BE USED FOR THE FIRST RESPONDERS SYSTEM, DUE TO ITS LOW OHM LOSS PROPERTIES.
6. THE DIRECTIONAL DONOR ANTENNA ON THE ROOF SHALL BE TIED INTO THE BUILDING GROUNDING SYSTEM.
7. ALL CABLES USED FOR FIRST RESPONDERS SHALL BE GROUNDED TO THE BUILDING GROUNDING SYSTEM.
8. THE CABLE BETWEEN THE DONOR ANTENNA AND THE AMPLIFIER MAY BE RUN TO THE ROOF, BUT IT MUST BE IN CONDUIT.
9. A LIGHTNING ARRESTOR SHALL BE INSTALLED ON THE ANTENNA.
10. THE CABLE FROM THE DONOR ANTENNA TO THE AMPLIFIER SHALL BE SEPARATED FROM THE RISER CABLE FROM THE FIRST RESPONDERS SYSTEM TO THE INDOOR ANTENNA, THIS REQUIREMENT APPLIES TO THE RISER.
- IF BOTH CABLES ARE NOT IN CONDUIT, THE MINIMUM SEPARATION SHALL BE SIX (6) FEET.
- IF AT LEAST ONE CABLE IS IN CONDUIT, THE MINIMUM SEPARATION SHALL BE THREE (3) FEET.
- THESE CABLES ARE ALLOWED TO CROSS A MAXIMUM OF ONE TIME.
11. THE FIRST RESPONDERS AMPLIFIER ENCLOSURE SHALL BE INSTALLED ON METAL STRUT CHANNEL (TO ALLOW AIRFLOW). SEE INSTALLATION DIAGRAM.
12. THE FIRST RESPONDERS AMPLIFIER AND BATTERY ENCLOSURES SHALL BE GROUNDED TO THE BUILDING GROUNDING SYSTEM UTILIZING A SHORT, DIRECT PATH WITH THE MINIMUM NUMBER OF BENDS (GROUNDING CABLES SHALL NOT REVERSE DIRECTION WHEN CONNECTING TO TERMINATION POINTS.)
13. A.C. WIRES SHALL BE RUN IN SEPARATE CONDUIT FROM D.C. WIRING, SUCH THAT A SYSTEM ALARM DOES NOT DE-ENERGIZE THE CONTROL PANEL, MINIMUM SIZE WIRE TO BE AWG 12 THHN. PROTECTION AGAINST VOLTAGE TRANSIENTS AND SURGES SHALL BE INSTALLED AT THE ELECTRICAL PANELBOARD AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
- PRIMARY AC POWER TO THE FIRST RESPONDERS AMPLIFIER SHALL BE DEDICATED CIRCUIT.
- REDUNDANT AC POWER TO THE FIRST RESPONDERS AMPLIFIER SHALL BE A 120VAC CIRCUIT. (PROVIDING A SECOND (REDUNDANT) POWER CIRCUIT IS PER THE MANUFACTURERS RECOMMENDED PRACTICE.)
- CIRCUIT DISCONNECTING MEANS SHALL BE PERMANENTLY IDENTIFIED BY THE SYSTEM TYPE: i.e. "EMERGENCY COMMUNICATION SYSTEM" (ECS)
14. CONDUIT FOR THE DONOR (ROOF) ANTENNA AND FOR THE RISER COAXIAL CABLE SHALL BE PARALLEL TO THE FIRST RESPONDERS ENCLOSURE. THESE CONDUITS SHALL TERMINATE WITH A BUSHING WITHIN TWO (2) FEET OF THE BOTTOM OF THE ENCLOSURE. THE FIRST RESPONDERS INSTALLER SHALL MAKE THE CONNECTION PROVIDED, PRE-WIRED 1/4" FLEX CABLE FROM THE FIRST RESPONDERS SYSTEM.
15. INSTALLATION REQUIREMENTS TO COMPLY WITH NFPA 72, SECTION 24.3.6.8:
- THE RISER COAXIAL CABLE SHALL BE INSTALLED IN A 2 HOUR RATED ENCLOSURE OR SHAFT. (2 HOUR RATED COAXIAL CABLE IS NOT AVAILABLE AT THE CORRECT LOW OHM LOSS RATING.)
- THE SPLITTER CONNECTIONS BETWEEN THE RISER CABLE AND THE HORIZONTAL FEEDER CABLE SHALL ALSO BE MADE WITH A 2 HOUR RATED ENCLOSURE. THE FEEDER CABLE PASSAGE THROUGH THAT 2 HOUR ENCLOSURE SHALL BE FIRE STOPPED WITH THE APPROPRIATE U.L. SYSTEM.
- ALL FEEDER CABLES SHALL BE PLENUM RATED AT A MINIMUM. (FEEDER CABLES ARE THE HORIZONTAL RUNS TO THE DAS.)
16. WHEN SPLITTER CONNECTIONS ARE IN CONDUIT, PROVIDE A MINIMUM 12 INCH x 12 INCH JUNCTION COX TO MAKE THE CONNECTION.
17. THE FIRST RESPONDERS ANNUNCIATOR SHALL BE INSTALLED NEAR THE FIRE ALARM CONTROL PANEL.
18. ALL FIELD WIRING SHALL BE CHECKED FOR SHORTS, OPENS, AND GROUNDS BEFORE MAKING CONNECTIONS.
19. SEE MANUFACTURERS SHEETS FOR MOUNTING DETAILS.
20. ALL JUNCTION BOX COVERS SHALL BE RED IN COLOR. THOSE IN FINISHED ARES ARE PERMITTED TO MATCH THE FINISH COLOR.
21. ALL PENETRATIONS THROUGH RATED WALLS SHALL BE SEALED USING APPROPRIATE U.L. SYSTEM.
22. PROVIDE THE FOLLOWING ALARMS TO THE FIRE ALARM CONTROLS PANEL.
    a. AC FAIL
    b. LOW BATTERY
    c. CHARGER FAIL
    d. BOOSTER FAIL
    e. ANTENNA MALFUNCTION
    f. SYSTEM COMPONENT FAIL



FIRST RESPONDERS EQUIPMENT LIST

EQUIPMENT FOR THE FIRST RESPONDERS SYSTEM LISTED BELOW IS BASIS OF DESIGN.
1. COMBA CRITICAL POINT VERSION 3 / NEXT GENERATION PUBLIC SAFETY SOLUTION 700/800MHz CLASS A/B 27/33dBm BI-DIRECTIONAL AMPLIFIER BDA V3 NG (RX78V3-A2727P0-S1/S0/C0) AND BATTERY BACKUP UNIT BBU V3 NG 60AH (BBUV3-LFP48060).
2. COMBA OUTDOOR DIRECTIONAL YAGI ANTENNA (OY-MN-V11P).
3. COMBA INDOOR WIDE BAND OMNI ANTENNA (IXD-360VO3NO-54).
4. COMBA WIDEBAND TAPPER (CO-FSxx-ON300C(I)).
5. COMBA WIDEBAND POWER SPLITTER 2/3/4WAY, LOW PIM(-153dBc), 555-2700MHz, N FEMALE, 50W.
6. COMBA JUMPER CABLE, 0.141 TYPE. (JS-NMNMxF-R141, JS-NMNFxF-R141).
7. COMMSCOPE HELIAX AIR COAXIAL CABLE (AL4RPV-50) PLENUM RATED AIR DIELECTRIC COAXIAL CABLE CORRUGATED ALUMINUM, 1/2", OFF WHITE PVC JACKET.
7. COMMSCOPE HELIAX LOW DENSITY FOAM COAXIAL CABLE (LDF4-50A) CORRUGATED COPPER, 1/2", BLACK PE JACKET.
8. JMA WIRELESS N MALE CONNECTOR FOR 1/2" ANNULAR PLENUM CABLE (UPL-NM-12).

FIRST RESPONDERS PROJECT NOTES IN TESTING AND INSTALLATION SEQUENCING

1. A PRELIMINARY SITE SURVEY IS NEEDED TO DETERMINE THE EXISTING dBm SIGNAL STRENGTH.
2. A MORE DETAILED SURVEY WILL MAP THE BUILDING ONCE THE BUILDING IS SUBSTANTIALLY COMPLETED.
3. THE NEXT SIGNAL STRENGTH SURVEY WILL COMPLY WITH THE 2018 NCFC, 510.5.3 AND NFPA 72, 24.5.2.1 (2013 EDITION)
   - EACH FLOOR SHALL BE DIVIDED INTO 20 (APPROXIMATELY) EQUAL TEST AREAS, THE WORST CASE SIGNAL STRENGTH READING SHALL BE RECORDED. PROVIDE 90 PERCENT FLOOR AREA RADIO COVERAGE.
- CRITICAL AREAS, IF PRESENT, SHALL BE SURVEYED SEPARATE FROM THE EQUAL TEST AREAS;
--- EXIT STAIRS
--- EXIT PASSAGEWAYS
--- ELEVATOR LOBBIES
--- AT STANDPIPE CABINETS
--- SPRINKLER SECTIONAL VALVE LOCATIONS
--- AHJ MAY REQUIRE ADDITIONAL LOCATIONS.

-- CRITICAL AREAS SHALL BE PROVIDED WITH 99 PERCENT RADIO COVERAGE.

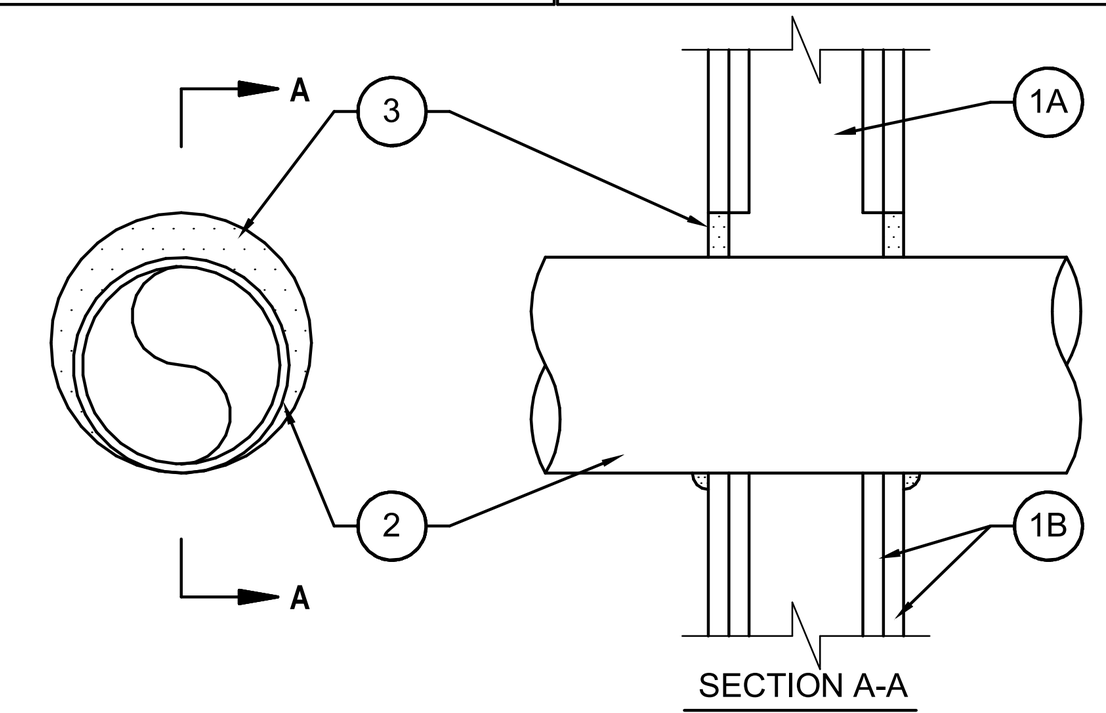
4. THE MINIMUM SIGNAL STRENGTH OF -95 dBm IS REQUIRED.

7 E-504 **BDA DETAILS**
NOT TO SCALE

B

System No. W-L-1054
January 21, 2020

ANSI / UL1479 (ASTM E814)	CAN / ULC S115
F Ratings - 1 and 2 Hr (See Items 1 & 3)	F Ratings - 1 and 2 Hr (See Items 1 & 3)
T Ratings - 0 Hr	FT Ratings - 0 Hr
L Ratings at Ambient - Less Than 1 CFM / sq ft	FH Ratings - 1and 2 HR (See Items 1 and 3)
L Ratings at 400 F - Less Than 1 CFM / sq ft	FTH Ratings - 0 Hr
	FTH Ratings - 0 Hr L Rating at Ambient - Less Than 1 CFM / sq ft
	L Ratings at 400 F - Less Than 1 CFM / sq ft



1. WALL ASSEMBLY — THE 1 OR 2 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS — WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC. STEEL STUDS TO BE MIN 2-1/2 IN. (64 MM) WIDE AND SPACED MAX 24 IN. (610 MM) OC. FOR M RATING, STEEL STUDS TO BE MIN 3-5/8 IN. (92 MM) WIDE. WHEN STEEL STUDS ARE USED AND THE DIAM OF OPENING EXCEEDS THE WIDTH OF STUD CAVITY, THE OPENING SHALL BE FRAMED ON ALL SIDES USING LENGTHS OF STEEL STUD INSTALLED BETWEEN THE VERTICAL STUDS AND SCREW-ATTACHED TO THE STEEL STUDS AT EACH END. THE FRAMED OPENING IN THE WALL SHALL BE 4 TO 6 IN. (102 TO 152 MM) WIDER AND 4 TO 6 IN. (102 TO 152 MM) HIGHER THAN THE DIAM OF THE PENETRATING ITEM SUCH THAT, WHEN THE PENETRATING ITEM IS INSTALLED IN THE OPENING, A 2 TO 3 IN. (51 TO 76 MM) CLEARANCE IS PRESENT BETWEEN THE PENETRATING ITEM AND THE FRAMING ON ALL FOUR SIDES.
   B. GYPSUM BOARD* — 5/8 IN. (16 MM) THICK, 4 FT (122 CM) WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 32-1/4 IN. (819 MM) FOR STEEL STUD WALLS. MAX DIAM OF OPENING IS 14-1/2 IN. (368 MM) FOR WOOD STUD WALLS. THE F AND FH RATINGS OF THE FIRESTOP SYSTEM ARE EQUAL TO THE FIRE RATING OF THE WALL ASSEMBLY. THE M RATING IS APPLICABLE ONLY TO 1 HR RATED WALLS.
2. THROUGH-PENETRANTS — ONE METALLIC PIPE, CONDUIT OR TUBING TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE SHALL BE MIN 0 IN. TO MAX 2-1/4 IN. (57 MM). PIPE MAY BE INSTALLED WITH CONTINUOUS POINT CONTACT. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
   A. STEEL PIPE — NOM 30 IN. (762 MM) DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
   B. IRON PIPE — NOM 30 IN. (762 MM) DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.
   C. CONDUIT — NOM 4 IN. (102 MM) DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR 6 IN. (152 MM) . DIAM STEEL CONDUIT.
   D. COPPER TUBING — NOM 6 IN. (152 MM) DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
   E. COPPER PIPE — NOM 6 IN. (152 MM) DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
3. FILL, VOID OR CAVITY MATERIAL* — SEALANT — MIN 5/8 IN. (16 MM) THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. AT THE POINT OR CONTINUOUS CONTACT LOCATIONS BETWEEN PIPE AND WALL, A MIN 1/2 IN. (13 MM) DIAM BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE PIPE WALL INTERFACE ON BOTH SURFACES OF WALL.

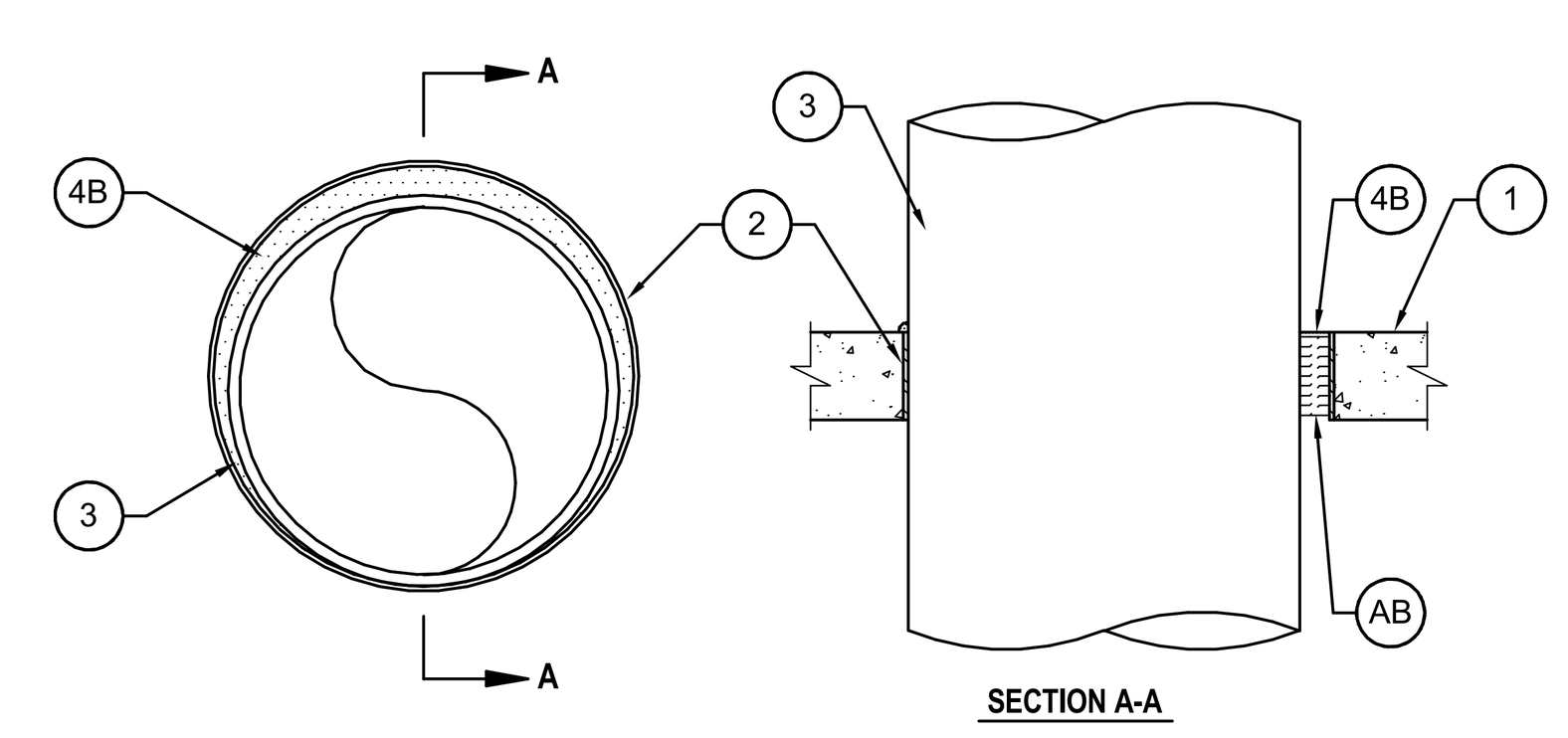
Movement Direction	Penetrant Item	Nominal Penetrant Diameter	Annular Space	Movement	Sealant Depth	F-Rating	L Rating with Movement
Y	2A, 2C*	2 in.	Max 2-1/4 in.	5%	5/8 in.	1 hr	N/A
Z	2A, 2C*	2 in.	2-1/4 in.	0.25 in.	5/8 in.	1 hr	N/A

* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION

4 E-504 **1 AND 2 HOUR FIREWALL PENETRATION DETAIL W-L-1054**
NOT TO SCALE

System No. C-AJ-1226
January 07, 2015

ANSI / UL1479 (ASTM E814)	CAN / ULC S115
F Ratings - 3 Hr	F Ratings - 3 Hr
T Ratings - 0 Hr	FT Ratings - 0 Hr
L Ratings at Ambient - Less Than 1 CFM / sq ft	FH Ratings - 3 HR
L Ratings at 400 F - 4 CFM / sq ft	FTH Ratings - 0 Hr
	L Rating At Ambient - Less Than 1 CFM / sq ft
	L Ratings at 400 F - 4 CFM / sq ft



1. FLOOR OR WALL ASSEMBLY - MIN 4-1/2 IN. (114 MM) THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF OR 1600-2400 KG/M3) MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*. MAX DIAM OF OPENING IS 32 IN. (813 MM).
2. METALLIC SLEEVE — (OPTIONAL) NORN 32 IN. (813 MM) DIAM (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL SLEEVE CAST OR GROUTED INTO FLOOR ASSEMBLY, FLUSH WITH FLOOR OR WALL SURFACES OR EXTENDING A MAX OF 3 IN. (76 MM) ABOVE FLOOR OR BEYOND BOTH SURFACES OF WALL.
2A. SHEET METAL SLEEVE — (OPTIONAL) MAX 6 IN. (152 MM) DIAM, MIN 26 GA. GALV STEEL PROVIDED WITH A 26 GA GALV STEEL SQUARE FLANGE THE SLEEVE AT APPROX MID-HEIGHT, OR FLUSH WITH BOTTOM OF SLEEVE IN FLOORS, AND SIZED TO BE A MIN OF 2 IN. (51 MM) LARGER THAN THE SLEEVE SLEEVE IS TO BE CAST IN PLACE AND MAY EXTEND A MAX OF 4 IN. (102 MM) BELOW THE BOTTOM OF THE DECK AND A MAX OF 1 IN. (25 MM) ABOVE SURFACE OF THE CONCRETE FLOOR.
2B. SHEET METAL SLEEVE — (OPTIONAL) - MAX 12 IN. (305 MM) DIAM, MIN 24 GA GALV STEEL PROVIDED WITH A 24 GA GALV STEEL SQUARE FLANGE TO THE SLEEVE AT APPROX MID-HEIGHT, OR FLUSH WITH BOTTOM OF SLEEVE IN FLOORS, AND SIZED TO BE A MIN OF 2 IN. (51 MM) LARGER THAN THE SLEEVE IS TO BE CAST IN PLACE AND MAY EXTEND A MAX OF 4 IN. (102 MM) BELOW THE BOTTOM OF THE DECK AND A MAX OF 1 IN. (25 MM) ABOVESURFACE OF THE CONCRETE FLOOR.
3. THROUGH-PENETRANT — ONE METALLIC PIPE, TUBE OR CONDUIT TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PENETRANT AND PERIPHERY OF OPENING SHALL BE MIN 0 IN. (POINT CONTACT) TO MAX 1-7/8 IN. (48 MM). PENETRANT WITH CONTINUOUS POINT CONTACT. PENETRANT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. THE FOLLOWING TYPES AND PENETRANTS MAY BE USED:
   A. STEEL PIPE — NORN 30 IN. (762 MM) DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
   B. IRON PIPE — NORN 30 IN. (762 MM) DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.
   C. COPPER PIPE — NORN 6 IN. (152 MM) DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
   D. COPPER TUBING — NORN 6 IN. (152 MM) DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
   E. CONDUIT - NORN 6 IN. (152 MM) DIAM (OR SMALLER) STEEL CONDUIT.
   F. CONDUIT — NORN 4 IN. (102 MM) DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING (EMT
4. FIRESTOP SYSTEM — THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:
   A. PACKING MATERIAL — MIN 4 IN. (102 MM) THICKNESS OF MIN 4 PCF (64 KG/M3) MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO OPENING PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR OR SLEEVE OR FROM BOTH SURFACES OF WALL OR SLEEVE AS ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.
   B. FILL, VOID OR CAVITY MATERIAL* — SEALANT — MIN 1/4 IN. (6 MM) THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH TOP FLOOR OR SLEEVE OR WITH BOTH SURFACES OF WALL OR SLEEVE. AT THE POINT OR CONTINUOUS CONTACT LOCATIONS BETWEEN PENETRANT AND CONCRETE A MIN 1/4 IN. (6 MM) DIAM BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE CONCRETE OR SLEEVE/ PIPE PENETRANT INTERFACE ON THE TOP SURFACE AND ON BOTH SURFACES OF WALL.

* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION.

5 E-504 **3 HOUR FIREWALL PENETRATION DETAIL C-AJ-1226**
NOT TO SCALE

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLIETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR, BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

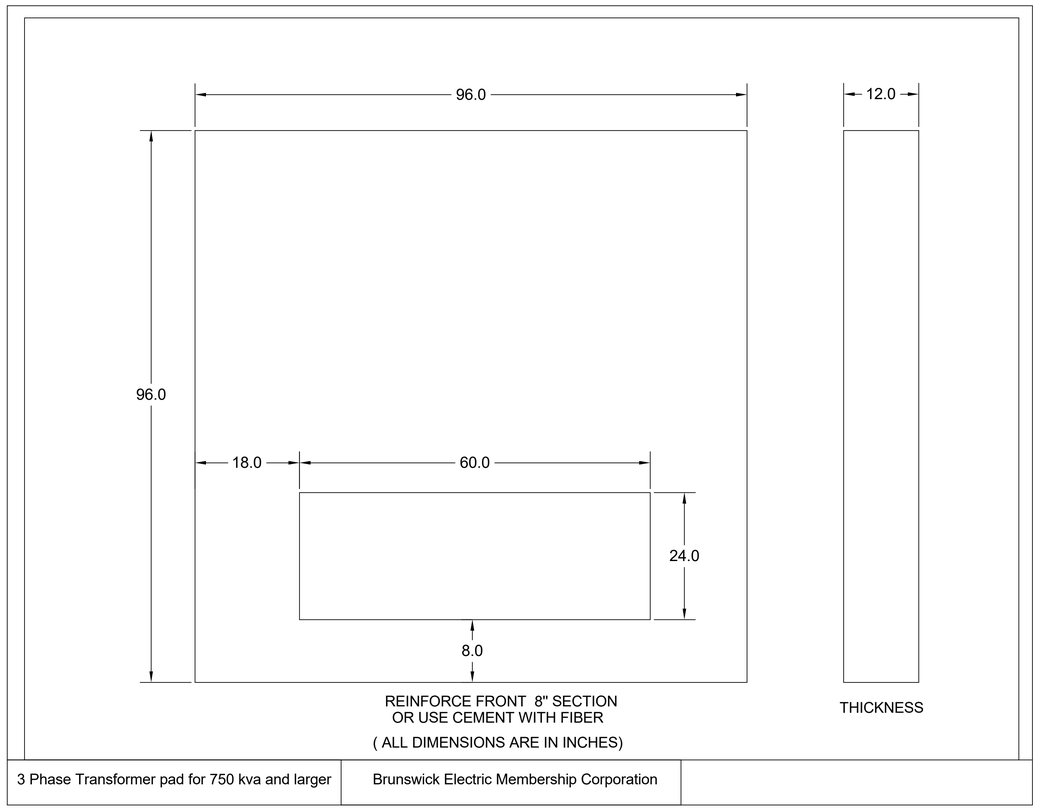
SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

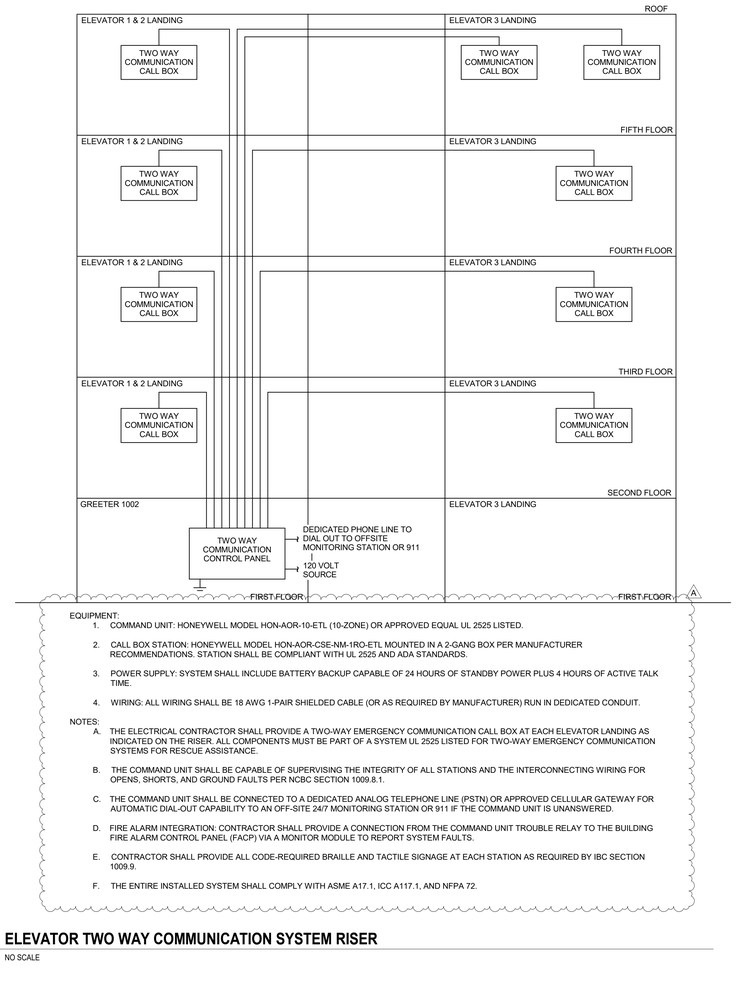
SHEET TITLE:
ELECTRICAL DETAILS

SHEET NO. E-504
PROJ. NO. 024370.00



3 Phase Transformer pad for 750 kva and larger	Brunswick Electric Membership Corporation	

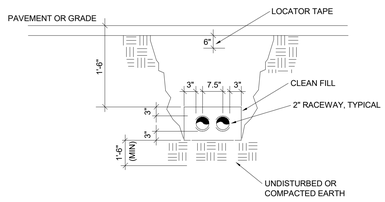
1 E-505 **UTILITY TRANSFORMER PAD DETAIL**
NO SCALE



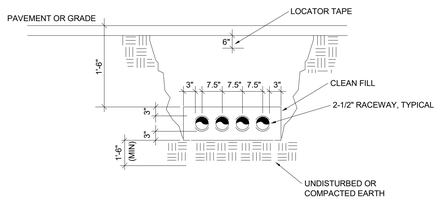
EQUIPMENT:
1. COMMAND UNIT: HONEYWELL MODEL HON-AOR-10-ETL (10-ZONE) OR APPROVED EQUAL UL 2525 LISTED.
2. CALL BOX STATION: HONEYWELL MODEL HON-AOR-CSE-NM-1RO-ETL MOUNTED IN A 2-GANG BOX PER MANUFACTURER RECOMMENDATIONS. STATION SHALL BE COMPLIANT WITH UL 2525 AND ADA STANDARDS.
3. POWER SUPPLY: SYSTEM SHALL INCLUDE BATTERY BACKUP CAPABLE OF 24 HOURS OF STANDBY POWER PLUS 4 HOURS OF ACTIVE TALK TIME.
4. WIRING: ALL WIRING SHALL BE 18 AWG 1-PAIR SHIELDED CABLE (OR AS REQUIRED BY MANUFACTURER) RUN IN DEDICATED CONDUIT.

NOTES:
A. THE ELECTRICAL CONTRACTOR SHALL PROVIDE A TWO-WAY EMERGENCY COMMUNICATION CALL BOX AT EACH ELEVATOR LANDING AS INDICATED ON THE RISER. ALL COMPONENTS MUST BE PART OF A SYSTEM UL 2525 LISTED FOR TWO-WAY EMERGENCY COMMUNICATION SYSTEMS FOR RESCUE ASSISTANCE.
B. THE COMMAND UNIT SHALL BE CAPABLE OF SUPERVISING THE INTEGRITY OF ALL STATIONS AND THE INTERCONNECTING WIRING FOR OPENS, SHORTS, AND GROUND FAULTS PER NCBC SECTION 1009.8.1.
C. THE COMMAND UNIT SHALL BE CONNECTED TO A DEDICATED ANALOG TELEPHONE LINE (PSTN) OR APPROVED CELLULAR GATEWAY FOR AUTOMATIC DIAL-OUT CAPABILITY TO AN OFF-SITE 24/7 MONITORING STATION OR 911 IF THE COMMAND UNIT IS UNANSWERED.
D. FIRE ALARM INTEGRATION: CONTRACTOR SHALL PROVIDE A CONNECTION FROM THE COMMAND UNIT TROUBLE RELAY TO THE BUILDING FIRE ALARM CONTROL PANEL (FACP) VIA A MONITOR MODULE TO REPORT SYSTEM FAULTS.
E. CONTRACTOR SHALL PROVIDE ALL CODE-REQUIRED BRAILLE AND TACTILE SIGNAGE AT EACH STATION AS REQUIRED BY IBC SECTION 1009.9.
F. THE ENTIRE INSTALLED SYSTEM SHALL COMPLY WITH ASME A17.1, ICC A117.1, AND NFPA 72.

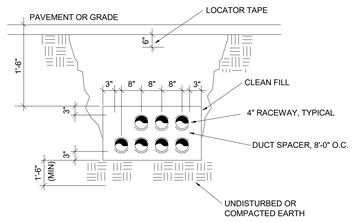
2 E-505 **ELEVATOR TWO WAY COMMUNICATION SYSTEM RISER**
NO SCALE



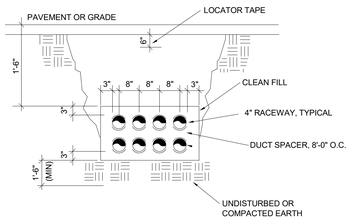
3 E-505 **DUCTBANK - 2 PARALLEL DETAIL**
NO SCALE



4 E-505 **DUCTBANK - 4 PARALLEL DETAIL**
NO SCALE



5 E-505 **DUCTBANK - 7 PARALLEL DETAIL**
NO SCALE



6 E-505 **DUCTBANK - 8 PARALLEL DETAIL**
NO SCALE

ALL DRAWINGS, DESCRIPTIONS AND CONCEPTS THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. WHETHER THE PROJECT FOR WHICH THEY WERE MADE IS EXECUTED OR NOT. THEY ARE NOT TO BE USED IN ANY WAY ON THIS PROJECT OR ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED UPON REQUEST AT THE COMPLETION OF THE PROJECT. ALL REPRODUCTIONS, PUBLICATIONS OR USE OF THESE DRAWINGS WITHOUT THE EXPRESS WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE IS PROHIBITED. COPYRIGHT INFRINGEMENT IS SUBJECT TO LEGAL SANCTIONS AND PENALTIES UNDER FEDERAL LAW.
© COPYRIGHT 2026 MCMILLAN PAZDAN SMITH ARCHITECTURE
ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLIETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
ELECTRICAL DETAILS

SHEET NO. E-505
PROJ. NO. 024370.00

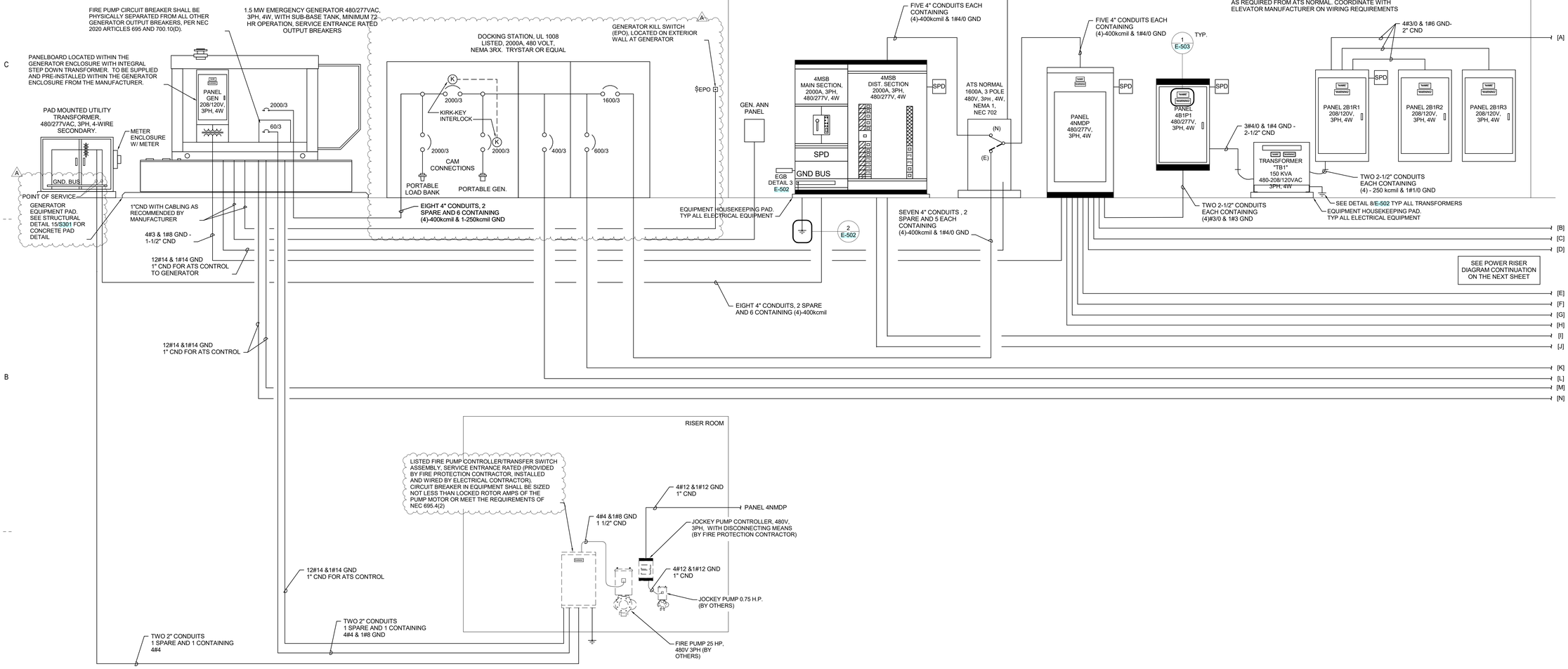
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR OTHERWISE DISPOSED OF ON REQUEST. ALL REPRODUCTIONS OF THESE MATERIALS, WHETHER IN WHOLE OR IN PART, OR ANY USE OF THE DESIGNS AND IDEAS CONTAINED HEREIN, FOR ANY PURPOSE WITHOUT THE WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE IS PROHIBITED. ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING COPYRIGHT, ARE RESERVED.
ALL RIGHTS RESERVED

FOURTH FLOOR

THIRD FLOOR

SECOND FLOOR

ELECTRICAL 1018



1 E-601 **POWER RISER DIAGRAM 1 OF 2**

NOT TO SCALE

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLIETTI 4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
ELECTRICAL POWER RISER DIAGRAM 1-OF-2

SHEET NO. E-601
PROJ. NO. 024370.00

TRANSFORMER STACKING FRAMES:

TRANSFORMER STACKING FRAMES SHALL BE CONSTRUCTED FROM 1-5/8" X 1-5/8" BY 12 GAGE P1000 UNISTRUT CHANNEL, OR APPROVED EQUIVALENT, FOR THE HORIZONTAL AND VERTICAL MEMBERS. THE MAXIMUM SPAN FOR THE HORIZONTAL MEMBERS SHALL BE 48 INCHES. THE MAXIMUM HEIGHT OF VERTICAL MEMBERS SHALL BE 60 INCHES. ALL CONNECTIONS SHALL BE MADE WITH 1-5/8" GENERAL FITTINGS AND POST BASES. PROVIDE P2484W - 7 HOLE, 90 DEGREE GUSSETED FITTINGS AT ALL HORIZONTAL TO VERTICAL CONNECTIONS. ALL CONNECTIONS SHALL FOLLOW REQUIREMENTS AND RECOMMENDATIONS OF MANUFACTURER.

POWER RISER DIAGRAM 2 OF 2

1 E-602 NOT TO SCALE

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED IN ANY WAY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY, IN THE CASE OF ELECTRONIC FILES, CERTIFIED AS HAVING BEEN DESTROYED, WITHIN 20 DAYS AFTER COMPLETION OF THE PROJECT OR AT THE EARLIER TIME AT THE REQUEST OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ANY UNAUTHORIZED USE, DISCLOSURE OR REPRODUCTION IS PROHIBITED AND VIOLATORS WILL BE PROSECUTED TO THE FULLEST EXTENT OF THE LAW. MCMILLAN PAZDAN SMITH ARCHITECTURE SHALL BE INDEMNIFIED AGAINST ANY CLAIM OR ACTION ARISING OUT OF UNAUTHORIZED USE OF THESE DOCUMENTS.
ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLIETTI 4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR, BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE:	02/06/2026
PHASE:	PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE:	JPF
DESIGNER:	RRD / AJC
DRAWN BY:	RRD / AJC

SHEET TITLE:

ELECTRICAL POWER RISER DIAGRAM 2-OF-2

SHEET NO. E-602

PROJ. NO. 024370.00

Switchboard: 4MSB

Location: ELECTRICAL 1018 **Volts:** 480Y/277 **A.I.C. Rating:** 65,0000 AMPS SYMMETRICAL
Supply From: **Phases:** 3 **Mains Type:** MAIN CB
Mounting: FLOOR **Wires:** 4 **Mains Rating:** 2000 A
Enclosure: NEMA 1 **MCB Rating:** 2000 A

Notes:
A. GROUND FAULT PROTECTION REQUIRED AT THE MAIN CIRCUIT BREAKER AND ON DISTRIBUTION BREAKERS 1000AMP AND HIGHER PER 2020 NEC 230.95.
B. ARC ENERGY REDUCTION IS REQUIRED FOR ALL BREAKERS THAT CAN BE ADJUSTED TO 1200AMPS OR MORE PER NEC 240.87
C. PROVIDE TESTING AS REQUIRED PER NEC 230.95 AND NEC 240.87.

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	ATS NORMAL (PANELBOARD 4NMDP)	3	2000 A	1600 A	1148724 VA	
2	ATS EOC (PANELBOARD 4EMDP)	3	600 A	600 A	292712 VA	
3	ATS LS (PANELBOARD 4LS1)	3	400 A	400 A	27004 VA	
4	SPD	3	100 A	30 A	0 VA	
5	PROVISION	1	--	--	--	600A FRAME
6	PROVISION	1	--	--	--	400A FRAME
7	PROVISION	1	--	--	--	400A FRAME
8	PROVISION	1	--	--	--	200A FRAME
9	PROVISION	1	--	--	--	200A FRAME
10	PROVISION	1	--	--	--	100A FRAME
11	PROVISION	1	--	--	--	100A FRAME
12	SPACE	1	--	--	--	
13	SPACE	1	--	--	--	
14	SPACE	1	--	--	--	
15	SPACE	1	--	--	--	
16	SPACE	1	--	--	--	
17	SPACE	1	--	--	--	
18	SPACE	1	--	--	--	
19	SPACE	1	--	--	--	
20	SPACE	1	--	--	--	
				Total Conn. Load:	1467282 VA	
				Total Amps:	1765 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	569380 VA	100%	569380 VA		
Lighting	76561 VA	125%	95701 VA	**Total Conn. Load:**	1467282 VA
Motor	506 VA	125%	633 VA	**Total Est. Demand:**	1217491 VA
Power	241802 VA	100%	241802 VA	**Total Conn.:**	1765 A
Receptacle	548151 VA	51%	279075 VA	**Total Est. Demand:**	1464 A
Kitchen Equipment	29930 VA	100%	29930 VA		
Sign	1200 VA	100%	1200 VA		

Notes:
1. MAIN BREAKER MUST HAVE ELECTRONIC TRIP (EASY HEDGE FOR SELECTIVE COORDINATION).

Branch Panel: 4NMDP

Location: ELECTRICAL 1018 **Volts:** 480Y/277 **A.I.C. Rating:** 65,0000 AMPS SYMMETRICAL
Supply From: 4MSB **Phases:** 3 **Mains Type:** MCB
Mounting: **Wires:** 4 **Mains Rating:** 1600 A
Enclosure: Type 1 **MCB Rating:** 1600 A

Notes:
A. GROUND FAULT PROTECTION REQUIRED AT THE MAIN CIRCUIT BREAKER AND ON DISTRIBUTION BREAKERS 1000AMP AND HIGHER PER 2020 NEC 230.95.
B. ARC ENERGY REDUCTION IS REQUIRED FOR ALL BREAKERS THAT CAN BE ADJUSTED TO 1200AMPS OR MORE PER NEC 240.87.
C. PROVIDE TESTING AS REQUIRED PER NEC 230.95 AND NEC 240.87.

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	PANELBOARD 4B1P1 ELECTRICAL 1018	400 A	3	3990...	3914...					3	400 A	PANELBOARD 4A1P1 ELECTRICAL 1015	2
3	--	--	--			3937...	4099...			--	--	--	4
5	--	--	--					4245...	3748...	--	--	--	6
7	PANELBOARD 4B2P1 ELECTRICAL 2250	400 A	3	4420...	2874...					3	400 A	PANELBOARD 4A2P1 ELECTRICAL 2016	8
9	--	--	--			4311...	2567...			--	--	--	10
11	--	--	--					4287...	2700...	--	--	--	12
13	PANELBOARD 4A3P1 ELECTRICAL 3020	400 A	3	5345...	5015...					3	400 A	PANELBOARD 4A4P1 ELECTRICAL 4001	14
15	--	--	--			5063...	4655...			--	--	--	16
17	--	--	--					4817...	4756...	--	--	--	18
19	RTU1 (ON ROOF)	300 A	3	5864...	5864...					3	300 A	RTU2 (ON ROOF)	20
21	--	--	--			5864...	5864...			--	--	--	22
23	--	--	--					5864...	5864...	--	--	--	24
25	PANELBOARD 4B4P1 ELECTRICAL 4025	200 A	3	1112...	5820...					3	60 A	DBP1 PUMP ROOM 1419	26
27	--	--	--			8520...	5820...			--	--	--	28
29	--	--	--					1091...	5820...	--	--	--	30
31	JOCKEY PUMP CONTROLLER PUMP ROOM...	15 A	3	443 VA	0 VA					3	200 A	SPARE	32
33	--	--	--			443 VA	0 VA			--	--	--	34
35	--	--	--					443 VA	0 VA	--	--	--	36
37	SPARE	100 A	3	0 VA	0 VA					3	30 A	SPD	38
39	--	--	--			0 VA	0 VA			--	--	--	40
41	--	--	--					0 VA	0 VA	--	--	--	42
				Total Load:	390279 VA		378417 VA		380028 VA				
				Total Amps:	1410 A		1366 A		1373 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	401466 VA	100%	401466 VA		
Lighting	53377 VA	125%	66722 VA	**Total Conn. Load:**	1148724 VA
Motor	506 VA	125%	633 VA	**Total Est. Demand:**	933114 VA
Power	194194 VA	100%	194194 VA	**Total Conn.:**	1382 A
Receptacle	468127 VA	51%	239063 VA	**Total Est. Demand:**	1122 A
Kitchen Equipment	29930 VA	100%	29930 VA		
Sign	1200 VA	100%	1200 VA		

Notes:
1. MAIN BREAKER MUST HAVE ELECTRONIC TRIP (EASY HEDGE FOR SELECTIVE COORDINATION).

Branch Panel: 4EMDP

Location: ELECT RM 1425 **Volts:** 480Y/277 **A.I.C. Rating:** 35,000 AMPS SYMMETRICAL
Supply From: 4MSB **Phases:** 3 **Mains Type:** MCB
Mounting: SURFACE **Wires:** 4 **Mains Rating:** 600 A
Enclosure: NEMA 1 **MCB Rating:** 600 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	TRANSFORMER TA2E (45KVA) ELECTRICAL...	70 A	3	1043...	1572...					3	70 A	UPS EOC (PANEL UPS) IPS/IT 4137	2
3	--	--	--			1106...	1194...			--	--	--	4
5	--	--	--					1163...	1194...	--	--	--	6
7	PANEL 4E4P1 ELEC. 4025	200 A	3	1877...	5370...					3	250 A	RTU03 (ON ROOF)	8
9	--	--	--			2082...	5370...			--	--	--	10
11	--	--	--					2135...	5370...	--	--	--	12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
		Total Load:		97897 VA		96989 VA		97843 VA					
		Total Amps:		354 A		350 A		354 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	163114 VA	100%	163114 VA		
Lighting	5449 VA	125%	6811 VA	**Total Conn. Load:**	292712 VA
Power	44488 VA	100%	44488 VA	**Total Est. Demand:**	259045 VA
Receptacle	80897 VA	56%	45448 VA	**Total Conn.:**	352 A
				Total Est. Demand:	312 A

Notes:

MINIMUM CONDUCTORS SIZE CHART

PROVIDE THE FOLLOWING MINIMUM SIZES FOR BRANCH CIRCUIT CONDUCTORS:

SINGLE PHASE CIRCUITS

CONDUCTOR SIZE (AWG)	BRANCH CIRCUIT BREAKER TRIP (AMPERES)	CIRCUIT VOLTAGE MAXIMUM ALLOWABLE CIRCUIT LENGTH (FEET)			
		120	208	240	277
#12	15	81	141	163	188
#10	15	135	234	270	312
#8	15	204	355	409	473
#12	20	61	106	122	141
#10	20	101	175	202	233
#8	20	153	266	307	354
#10	30	67	117	135	155
#8	30	102	177	204	236

THREE PHASE CIRCUITS

CONDUCTOR SIZE (AWG)	BRANCH CIRCUIT BREAKER TRIP (AMPERES)	CIRCUIT VOLTAGE MAXIMUM ALLOWABLE CIRCUIT LENGTH (FEET)			
			208	240	480
#12	15		163	188	377
#10	15		270	312	624
#12	20		122	141	283
#10	20		202	234	468
#10	30		135	156	312
#8	30		205	236	473
#8	40		153	177	354
#6	40		239	276	553
#8	50		123	142	283
#6	50		191	221	442
#6	60		159	184	368
#4	60		245	283	567

NOTES:
1. CONDUCTOR LENGTHS ARE BASED ON SINGLE & THREE PHASE, 90% POWER FACTOR LOADS USING 75°C COPPER CONDUCTORS IN EMT RACEWAYS TO ACHIEVE NO MORE THAN 3 PERCENT VOLTAGE DROP.
2. CALCULATIONS ASSUME LOADS OF 80% OF CIRCUIT BREAKER TRIP (12A, 16A & 24A, 32A, 40A & 48A, RESPECTIVELY) ARE CONCENTRATED AT THE END OF THE CIRCUITS.
3. IF LOAD CHARACTERISTICS DIFFER FROM ABOVE, CALCULATE USING KNOWN CHARACTERISTICS AND SUBMIT CALCULATIONS TO THE ARCHITECT/ENGINEER DOCUMENTING 3% OR LESS VOLTAGE DROP UNDER THE ACTUAL LOAD CONDITIONS.
4. WHEN A DEDICATED SINGLE LOAD LESS THAN NOTED ABOVE IS KNOWN, THE CONTRACTOR MAY UTILIZE SMALLER CONDUCTORS UPON SUBMISSION OF VOLTAGE DROP CALCULATIONS DOCUMENTING 3% OR LESS VOLTAGE DROP. THE MINIMUM LOAD SHALL BE ASSUMED TO BE 60% OF THE CB TRIP RATING REGARDLESS OF ACTUAL DEDICATED LOAD.
5. USE THE LARGER OF THE CONDUCTORS INDICATED ON THE DRAWINGS OR THIS TABLE.

AVAILABLE FAULT CURRENT (CALCULATED)

EQUIPMENT ID	BUS kV	TOTAL FAULT CURRENT (SYM AMPS)	EQUIPMENT RATING (KAIC)
2A1R1	0.208	5,739	10
2A1R2	0.208	5,644	10
2A1R3	0.208	5,480	10
2A2R1	0.208	5,745	10
2A2R2	0.208	5,650	10
2A2R3	0.208	5,485	10
2A2RE	0.208	1,982	10
2A3R1	0.208	7,278	10
2A3R2	0.208	7,169	10
2A3R3	0.208	6,729	10
2A4R1	0.208	5,739	10
2A4R2	0.208	5,644	10
2A4R3	0.208	5,261	10
2B1R1	0.208	7,646	10
2B1R1A	0.208	4,665	10
2B1R2	0.208	7,529	10
2B1R3	0.208	7,414	10
2B2R1	0.208	7,181	10
2B2R2	0.208	7,075	10
2B2R3	0.208	6,972	10
2B4R1	0.208	1,790	10
2E4R1	0.208	3,182	10
2E4R2	0.208	3,120	10
2LS1	0.208	1,852	10
4A1P1	0.48	18,785	30
4A2P1	0.48	17,957	25
4A3P1	0.48	17,190	25
4A4P1	0.48	18,785	30
4B1P1	0.48	24,472	35
4B2P1	0.48	17,957	25
4B4P1	0.48	17,518	25
4E4P1	0.48	15,150	25
4EMDP	0.48	22,084	35
4LS1	0.48	20,632	30
4LS2	0.48	5,315	10
4LS4	0.48	4,716	10
4NMDP	0.48	27,098	65
GEN	0.48	10,014	25
SWBD 4MSB	0.48	28,021	65
TA2E DISC.	0.48	5,723	10
UPS	0.48	8,897	25
FIRE PUMP CONTROLLER	0.48	5,368	65

1. SHORT CIRCUIT STUDY COMPLETED 02/06/26.
2. FAULT CURRENTS SHOWN ARE CALCULATED SHORT CIRCUIT AMPERES BASED ON A 1500 KVA UTILITY COMPANY PAD MOUNTED TRANSFORMER (Z% = 5.32, X/R = 7.9) AND THE MAXIMUM FAULT CURRENT = 33,910 AMPERES.
3. SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED WITH MAX. AVAILABLE FAULT CURRENT, INCLUDING THE DATE THE FAULT CURRENT CALCULATIONS WERE PERFORMED, PER NEC 110.2 AND MUST REFERENCE NEC 408.6.

ALL DRAWINGS, SPECIFICATIONS AND CADD FILES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ANY ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR RENDERED UNUSABLE UPON THE COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION OF THESE MATERIALS TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THIS PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. © COPYRIGHT 2026 MCMILLAN PAZDAN SMITH ARCHITECTURE
ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 35230 ENGINEER JASON P. FAMIGLETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
ELECTRICAL SCHEDULES

SHEET NO. E-603
PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

Branch Panel: 4LS1

Location: ELECT RM 1425 **Supply From:** 4MSB **Mounting:** SURFACE **Enclosure:** NEMA 1
Volts: 480Y/277 **Phases:** 3 **Wires:** 4
A.I.C. Rating: 30,000 AMPS SYMMETRICAL **Mains Type:** MAIN CB **Mains Rating:** 400 A **MCB Rating:** 400 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1													2
3													4
5	PANEL 4LS2 ELECTRICAL 2016	100 A	3					4172...					6
7	--	--	--	2412...	4468...					3	100 A	PANEL 4LS4 ELECTRICAL 4001	8
9	--	--	--			2425...	2039...			--	--	--	10
11									184 VA	--	--	--	12
13	TRANSFORMER TLS1 (30KVA) ELECT. RM 1425	50 A	3	2720...	0 VA					1	20 A	SPARE	14
15	--	--	--			3300...	0 VA			1	20 A	SPARE	16
17	--	--	--					3240...	0 VA	1	20 A	SPARE	18
19	LTG: EAST LIFE SAFETY	20 A	1	2068...	0 VA					1	20 A	SPARE	20
21	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	22
23	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	26
27	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	28
29	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	30
31	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	32
33	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	34
35	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	36
37	SPARE	20 A	1	0 VA	0 VA					3	30 A	SPD	38
39	SPARE	20 A	1			0 VA	0 VA			--	--	--	40
41	SPARE	20 A	1					0 VA	0 VA	--	--	--	42
			Total Load:	11663 VA		7763 VA		7583 VA					
			Total Amps:	42 A		28 A		27 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	4800 VA	100%	4800 VA		
Lighting	17755 VA	125%	22193 VA	Total Conn. Load:	26205 VA
Power	3120 VA	100%	3120 VA	Total Est. Demand:	30643 VA
Receptacle	540 VA	100%	540 VA	Total Conn.:	32 A
				Total Est. Demand:	37 A

Notes:

Branch Panel: 2LS1

Location: ELECT RM 1425 **Supply From:** TLS1 **Mounting:** SURFACE **Enclosure:** NEMA 1
Volts: 208Y/120 **Phases:** 3 **Wires:** 4
A.I.C. Rating: 10,000 AMPS SYMMETRICAL **Mains Type:** MAIN CB **Mains Rating:** 100 A **MCB Rating:** 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	BDA PANEL (NOTE 1)	20 A	1	400 VA	400 VA					1	20 A	FACP: STORAGE 1017 (NOTE 1)	2
3	RECEPTACLES: ELECT RM 1425	20 A	1			540 VA	960 VA			1	20 A	ELEVATOR FIRE CURTAINS 4TH FLOOR	4
5	ELEVATOR FIRE CURTAINS 2ND FLOOR	20 A	1					720 VA	720 VA	1	20 A	ELEVATOR FIRE CURTAINS 3RD FLOOR	6
7	ELEVATOR FIRE CURTAINS 1ST FLOOR	20 A	1	720 VA	0 VA					1	20 A	SPARE	8
9	FSD POWER: ABOVE CEILING STORAGE 1230	20 A	1			600 VA	0 VA			1	20 A	SPARE	10
11	FSD POWER: ABOVE CEILING BREAKROOM...	20 A	1					600 VA	0 VA	1	20 A	SPARE	12
13	FSD POWER: ABOVE CEILING CORR. 2012 &...	20 A	1	600 VA	0 VA					1	20 A	SPARE	14
15	FSD POWER: ABOVE CEILING CORRIDOR 2018	20 A	1			600 VA	0 VA			1	20 A	SPARE	16
17	FSD POWER: ABOVE CEILING CORR. 3014 &...	20 A	1					600 VA	0 VA	1	20 A	SPARE	18
19	FSD POWER: ABOVE CEILING CORR. 3000 &...	20 A	1	600 VA	0 VA					1	20 A	SPARE	20
21	FSD POWER: ABOVE CEILING CORR 4007 &...	20 A	1			600 VA	0 VA			1	20 A	SPARE	22
23	FSD POWER: ABOVE CEILING CORR 4007 &...	20 A	1					600 VA	0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA	0 VA					3	30 A	SPD	26
27	SPARE	20 A	1			0 VA	0 VA			--	--	--	28
29	SPARE	20 A	1					0 VA	0 VA	--	--	--	30
			Total Load:	2720 VA		3300 VA		3240 VA					
			Total Amps:	23 A		28 A		28 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	4800 VA	100%	4800 VA		
Power	3120 VA	100%	3120 VA	Total Conn. Load:	8460 VA
Receptacle	540 VA	100%	540 VA	Total Est. Demand:	8460 VA
				Total Conn.:	23 A
				Total Est. Demand:	23 A

Notes:
1. PROVIDE CIRCUIT BREAKER LOCKING DEVICE FOR FACU ALONG WITH IDENTIFYING CIRCUIT BREAKER IN ACCORDANCE WITH NEC 760.41.

Branch Panel: 4LS2

Location: ELEC 2016 **Supply From:** 4LS1 **Mounting:** SURFACE **Enclosure:** NEMA 1
Volts: 480Y/277 **Phases:** 3 **Wires:** 4
A.I.C. Rating: 10,000 AMPS SYMMETRICAL **Mains Type:** MAIN CB **Mains Rating:** 100 A **MCB Rating:** 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	SPARE	20 A	1	0 VA	1483...					1	20 A	LTG: FIRST FLOOR EXTERIOR LIFE SAFETY	2
3	SPARE	20 A	1			0 VA	2412...			1	20 A	LTG: FIRST FLOOR WEST LIFE SAFETY	4
5	SPARE	20 A	1					0 VA	2425...	1	20 A	LTG: SECOND FLOOR EAST LIFE SAFETY	6
7	SPARE	20 A	1	0 VA	2703...					1	20 A	LTG: SECOND FLOOR WEST LIFE SAFETY	8
9	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	10
11	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	12
13	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	14
15	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	16
17	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	18
19	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	20
21	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	22
23	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	26
27	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	28
29	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	30
31	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	32
33	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	34
35	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	36
37	SPARE	20 A	1	0 VA	0 VA					3	30 A	SPD	38
39	SPARE	20 A	1			0 VA	0 VA			--	--	--	40
41	SPARE	20 A	1					0 VA	0 VA	--	--	--	42
			Total Load:	4172 VA		2412 VA		2425 VA					
			Total Amps:	15 A		9 A		9 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	9000 VA	125%	11250 VA		
				Total Conn. Load:	9000 VA
				Total Est. Demand:	11250 VA
				Total Conn.:	11 A
				Total Est. Demand:	14 A

Notes:

Branch Panel: 4LS4

Location: ELECTRICAL 4001 **Supply From:** 4LS1 **Mounting:** SURFACE **Enclosure:** NEMA 1
Volts: 480Y/277 **Phases:** 3 **Wires:** 4
A.I.C. Rating: 10,000 AMPS SYMMETRICAL **Mains Type:** MAIN CB **Mains Rating:** 100 A **MCB Rating:** 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	LTG: FOURTH FLOOR WEST LIFE SAFETY	20 A	1	1825...	0 VA					1	20 A	SPARE	2
3	LTG: FOURTH FLOOR EAST LIFE SAFETY	20 A	1			2039...	0 VA			1	20 A	SPARE	4
5	LTG: THIRD FLOOR EAST LIFE SAFETY	20 A	1					184 VA	0 VA	1	20 A	SPARE	6
7	LTG: THIRD FLOOR WEST LIFE SAFETY	20 A	1	2644...	0 VA					1	20 A	SPARE	8
9	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	10
11	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	12
13	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	14
15	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	16
17	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	18
19	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	20
21	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	22
23	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	26
27	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	28
29	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	30
31	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	32
33	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	34
35	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	36
37	SPARE	20 A	1	0 VA	0 VA					3	30 A	SPD	38
39	SPARE	20 A	1			0 VA	0 VA			--	--	--	40
41	SPARE	20 A	1					0 VA	0 VA	--	--	--	42
			Total Load:	4468 VA		2039 VA		184 VA					
			Total Amps:	17 A		8 A		1 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	6691 VA	125%	8364 VA		
				Total Conn. Load:	6691 VA
				Total Est. Demand:	8364 VA
				Total Conn.:	8 A
				Total Est. Demand:	10 A

Notes:

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLIETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR, BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
ELECTRICAL SCHEDULES

SHEET NO. E-604
PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE, ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERED IN ANY FORM WHATSOEVER WITHOUT THE PRIOR WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. SUBMISSION OR DISTRIBUTION OF THESE MATERIALS TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THIS PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS.
ALL RIGHTS RESERVED

Branch Panel: 4A1P1

Location: ELEC 1231
Supply From: 4NMDP
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 480Y/277
Phases: 3
Wires: 4

A.I.C. Rating: 30,000 AMPS SYMMETRICAL
Mains Type: MAIN CB
Mains Rating: 400 A
MCB Rating: 400 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	TRANSFORMER TA1 (112.5KVA) ELECT 1015	175 A	3	3752...	108 VA					1	20 A	LTG: EXTERIOR	2
3	--	--	--			3622...	1500...			1	20 A	EUH1: STAIR 1 ST1L1	4
5	--	--	--					3431...	0 VA	1	20 A	SPARE	6
7	LTG: ELEVATOR #1 & #2 HOISTWAYS	20 A	1	920 VA	0 VA					1	20 A	SPARE	8
9	LTG: SOUTH	20 A	1			3275...	0 VA			1	20 A	SPARE	10
11	LTG: NORTH	20 A	1					3172...	0 VA	1	20 A	SPARE	12
13	EUH8 CORR 1023	20 A	1	1500...	0 VA					1	20 A	SPARE	14
15	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	16
17	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	18
19	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	20
21	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	22
23	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	26
27	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	28
29	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	30
31	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	32
33	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	34
35	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	36
37	SPARE	20 A	1	0 VA	0 VA					3	30 A	SPD	38
39	SPARE	20 A	1			0 VA	0 VA			--	--	--	40
41	SPARE	20 A	1					0 VA	0 VA	--	--	--	42
			Total Load:	39143 VA		40992 VA		37481 VA					
			Total Amps:	142 A		149 A		135 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	6123 VA	100%	6123 VA		
Lighting	6684 VA	125%	8355 VA	**Total Conn. Load:**	117611 VA
Power	32368 VA	100%	32368 VA	**Total Est. Demand:**	87994 VA
Receptacle	72540 VA	57%	41270 VA	**Total Conn.:**	141 A
				Total Est. Demand:	106 A

Notes:

Branch Panel: 2A1R1

Location: ELEC 1231
Supply From: TA1
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120
Phases: 3
Wires: 4

A.I.C. Rating: 10,000 AMPS SYMMETRICAL
Mains Type: MAIN CB
Mains Rating: 400 A
MCB Rating: 400 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	REFRIGERATOR: BREAK 1310 (NOTE 1)	20 A	1	1500...	600 VA					1	20 A	UC ICE MACHINE: BREAK AREA 1310 (NOTE 1)	2
3	RECEPTACLES: OFFICE 1211	20 A	1			900 VA	900 VA			1	20 A	RECEPTACLES: OFFICE 1213	4
5	RECEPTACLES: OFFICE 1214	20 A	1					900 VA	1260...	1	20 A	RECEPTACLES: DIRECTOR 1307	6
7	RECEPTACLES: OFFICE 1308	20 A	1	900 VA	1080...					1	20 A	RECEPTACLES: OFFICE 1309	8
9	COFFEE MACHINE: BREAK 1310 (NOTE 1)	20 A	1			1500...	1500...			1	20 A	MICROWAVE: BREAK 1310 (NOTE 1)	10
11	REFRIGERATOR: BREAK 1310 (NOTE 1)	20 A	1					360 VA	720 VA	1	20 A	RECEPTACLES: BREAK 1310 (NOTE 1)	12
13	RECEPTACLES: 1208,1215,1217,1303	20 A	1	1080...	1500...					1	20 A	PRINTER/COPIER: PRINT ACL. 1212	14
15	MICROWAVE: QK BREAK 1218 (NOTE 1)	20 A	1			360 VA	1500...			1	20 A	RECEPTACLE: QK BREAK 1218 & TLT 1306	16
17	RECEPTACLES: OFFICE 1216	20 A	1					900 VA	900 VA	1	20 A	RECEPTACLES: OFFICE 1219	18
19	RECEPTACLES: OFFICE 1305	20 A	1	900 VA	900 VA					1	20 A	RECEPTACLES: OFFICE 1304	20
21	RECEPTACLE OFFICE 1302	20 A	1			900 VA	540 VA			1	20 A	RECEPTACLES: RECEP 1301	22
23	PRINTER/COPIER: RECEP 1301	20 A	1					1500...	720 VA	1	20 A	RECEPTACLES: WAITING 1300	24
25	SPARE	20 A	1	0 VA	900 VA					1	20 A	RECEPTACLES: EH SPECIALISTS 1225	26
27	RECEPTACLES: OFFICE 1224	20 A	1			900 VA	360 VA			1	20 A	RECEPTACLES: KIOSKS 1226	28
29	PRINTER/COPIER: PRINT 1222	20 A	1					1500...	360 VA	1	20 A	RECEPTACLES: PRINT 1222	30
31	RECEPTACLES: CONSULT 1223	20 A	1	720 VA	720 VA					1	20 A	RECEPTACLES: CONSULT 1221	32
33	RECEPTACLES: PRINT 1220	20 A	1			540 VA	1500...			1	20 A	PRINTER: PRINT 1220	34
35	ELECTRIC FURN: SPEC. WORK 1208 (NOTE 2)	20 A	1					720 VA	720 VA	1	20 A	ELECTRIC FURN: SPEC. WORK 1208 (NOTE 2)	36
37	ELECTRIC FURN: SPEC. WORK 1208 (NOTE 2)	20 A	1	720 VA	720 VA					1	20 A	ELECTRIC FURN: SPEC. WORK 1208 (NOTE 2)	38
39	ELECTRIC FURN: SPEC. WORK 1208 (NOTE 2)	20 A	1			720 VA	720 VA			1	20 A	ELECTRIC FURN: SPEC. WORK 1208 (NOTE 2)	40
41	ELECTRIC FURN: SPEC. WORK 1208 (NOTE 2)	20 A	1					720 VA	720 VA	1	20 A	ELECTRIC FURN: SPEC. WORK 1208 (NOTE 2)	42
43	ELECTRIC FURN: SPEC. WORK 1208 (NOTE 2)	20 A	1	720 VA	360 VA					1	20 A	RECEPTACLE SPECIALIST WORK (12) 1208	44
45	ELECTRIC FURN: SPEC. WORK 1208 (NOTE 2)	20 A	1			720 VA	360 VA			1	20 A	RECEPTACLE SPECIALIST WORK (12) 1208	46
47	RECEPTACLES: DIRECTOR OFFICE 1209	20 A	1					1260...	900 VA	1	20 A	RECEPTACLES: OFFICE 1210	48
49	REFRIGERATOR: QK BREAK 1218 (NOTE 1)	20 A	1	1500...	0 VA					3	30 A	SPD	50
51	BOTTLE FILLER: CORRIDOR 1217 (NOTE 1)	20 A	1			360 VA	0 VA			--	--	--	52
53	COFFEE MACHINE: QK BREAK 1218	20 A	1					1500...	0 VA	--	--	--	54
55	PANEL 2A1R3 ELECTRICAL 1015	150 A	3	5271...	1743...					3	150 A	PANEL 2A1R2 ELECTRICAL 1015	56
57	--	--	--			6766...	1517...			--	--	--	58
59	--	--	--					6295...	1236...	--	--	--	60
			Total Load:	37521 VA		36220 VA		34311 VA					
			Total Amps:	315 A		304 A		286 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	3123 VA	100%	3123 VA		
Lighting	24 VA	125%	30 VA	**Total Conn. Load:**	108053 VA
Power	32368 VA	100%	32368 VA	**Total Est. Demand:**	76789 VA
Receptacle	72540 VA	57%	41270 VA	**Total Conn.:**	300 A
				Total Est. Demand:	213 A

Notes:
1. GFI CIRCUIT BREAKER.
2. PROVIDE HANDLE TIE FOR ALL CIRCUIT BREAKERS FEEDING ELECTRIFIED FURNITURE.

Branch Panel: 2A1R2

Location: ELEC 1231
Supply From: 2A1R1
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120
Phases: 3
Wires: 4

A.I.C. Rating: 10,000 AMPS SYMMETRICAL
Mains Type: MAIN CB
Mains Rating: 150 A
MCB Rating: 150 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	WALL OVEN: SOIL LAB 1205	40 A	2	655 VA	540 VA					1	20 A	RECEPTACLES: SOIL LAB 1205	2
3	--	--	--			655 VA	540 VA			1	20 A	RECEPTACLES: SOIL LAB 1205	4
5	RECEPTACLES: CONFERENCE 1204	20 A	1					1260...	720 VA	1	20 A	FLOOR BOXES: CONFERENCE 1204	6
7	RECEPTACLES: 1023,1108,1201,1203	20 A	1	540 VA	1500...					1	20 A	COFFEE MACHINE: BREAK/PRINT 1202	8
9	MICROWAVE: BREAK/PRINT 1202 (NOTE 1)	20 A	1			1500...	1500...			1	20 A	REFRIGERATOR: BREAK/PRINT 1202 (NOTE 1)	10
11	RECEPTACLE: BREAK/PRINT 1202	20 A	1					180 VA	540 VA	1	20 A	RECEPTACLES: BREAK/PRINT 1202	12
13	PRINTER/COPIER: BREAK/ PRINT 1202	20 A	1	1500...	1500...					1	20 A	PRINTER/COPIER: PRINT 1124	14
15	RECEPTACLE: QUICK BREAK 1109	20 A	1			180 VA	1500...			1	20 A	MICROWAVE: QUICK BREAK 1109 (NOTE 1)	16
17	COFFEE MACHINE: QUICK BREAK 1109 (NOT...	20 A	1					1500...	1500...	1	20 A	REFRIGERATOR: QUICK BREAK 1109 (NOTE 1)	18
19	RECEPTACLES: WIC DIRECTOR 1107	20 A	1	1260...	1440...					1	20 A	RECEPTACLES: INTERVIEW 1111	20
21	RECEPTACLES: INTERVIEW 1104	20 A	1			720 VA	720 VA			1	20 A	RECEPTACLES: INTERVIEW 1103	22
23	RECEPTACLES: INTERVIEW 1102	20 A	1					720 VA	720 VA	1	20 A	RECEPTACLES: INTERVIEW 1101	24
25	RECEPTACLES: WAITING 1100	20 A	1	1080...	720 VA					1	20 A	RECEPTACLE CK IN/CK OUT 1121	26
27	RECEPTACLES: CK IN/CK OUT 1121 & WORK...	20 A	1			900 VA	1500...			1	20 A	PRINTER/COPIER: WORK 1120	28
29	ELECTRIC FURN: OPEN OFFICE 1108 (NOTE 1)	20 A	1					720 VA	720 VA	1	20 A	ELECTRIC FURN: OPEN OFFICE 1108 (NOTE 1)	30
31	ELECTRIC FURN: OPEN OFFICE 1108 (NOTE 1)	20 A	1	720 VA	720 VA					1	20 A	ELECTRIC FURN: OPEN OFFICE 1108 (NOTE 1)	32
33	ELECTRIC FURN: OPEN OFFICE 1108 (NOTE 1)	20 A	1			720 VA	720 VA			1	20 A	ELECTRIC FURN: OPEN OFFICE 1108 (NOTE 1)	34
35	ELECTRIC FURN: OPEN OFFICE 1108 (NOTE 1)	20 A	1					720 VA	720 VA	1	20 A	ELECTRIC FURN: OPEN OFFICE 1108 (NOTE 1)	36
37	ELECTRIC FURN: OPEN OFFICE 1108 (NOTE 1)	20 A	1	720 VA	720 VA					1	20 A	ELECTRIC FURN: OPEN OFFICE 1108 (NOTE 1)	38
39	ELECTRIC FURN: OPEN OFFICE 1108	20 A	1			720 VA	720 VA			1	20 A	ELECTRIC FURN: OPEN OFFICE 1108	40
41	ELECTRIC FURN: SPEC. WORK 1201 (NOTE 1)	20 A	1					720 VA	720 VA	1	20 A	ELECTRIC FURN: SPEC. WORK 1201 (NOTE 1)	42
43	ELECTRIC FURN: SPEC. WORK 1201 (NOTE 1)	20 A	1	720 VA	720 VA					1	20 A	ELECTRIC FURN: SPEC. WORK 1201 (NOTE 1)	44
45	ELECTRIC FURN: SPEC. WORK 1201 (NOTE 1)	20 A	1			720 VA	1500...			1	20 A	PRINTER/COPIER: PRINT ALCOVE 1106	46
47	RECEPTACLES: PRINT ALCOVE 1106	20 A	1					360 VA	540 VA	1	20 A	RECEPTACLES: EXTERIOR WEST	48
49	RECEPTACLES: EXTERIOR WEST	20 A	1	720 VA	1656...					1	20 A	SP1 ELEVATOR SHAFT 1&2	50
51	RECEPTACLE: ELEVATOR 1&2 PIT	20 A	1			180 VA	0 VA			1	20 A	SPARE	52
53	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	54
55	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	56
57	RECEPTACLE: SOIL LAB 1205	20 A	1			180 VA	0 VA			1	20 A	SPARE	58
59									0 VA	1	20 A	SPARE	60
			Total Load:	17431 VA		15175 VA		12360 VA					
			Total Amps:	149 A		130 A		103 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	17966 VA	100%	17966 VA		
Receptacle	27000 VA	69%	18500 VA	**Total Conn. Load:**	44966 VA
				Total Est. Demand:	36466 VA
				Total Conn.:	125 A
				Total Est. Demand:	101 A

Notes:
1. PROVIDE HANDLE TIE FOR ALL CIRCUIT BREAKERS FEEDING ELECTRIFIED FURNITURE.

Branch Panel: 2A1R3

Location: ELEC 1231
Supply From: 2A1R1
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120
Phases: 3
Wires: 4

A.I.C. Rating: 10,000 AMPS SYMMETRICAL
Mains Type: MAIN CB
Mains Rating: 150 A
MCB Rating: 150 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	VAV CTRL PWR: VAV1-1-10,02,04,10,11,12	20 A	1	600 VA	800 VA					1	20 A	VAV CTRL PWR: VAV1-1-03,05,06,07,08,09,13,14	2
3	RECEPTACLES: 1113,1111,1116,1118,1122	20 A	1			1080...	900 VA			1	20 A	RECEPTACLES: EXAM 1125	4
5	RECEPTACLES: EXAM 1115	20 A	1					900 VA	1260...	1	20 A	RECEPTACLES: MNT NUTRITIONIST 1119	6
7	RECEPTACLES: EXAM 1117	20 A	1	720 VA	180 VA					1	20 A	EWC1: CORR 1007 (NOTE 1)	8
9	RECEPTACLES: CORR 1007 & STORAGE 1230	20 A	1			900 VA	540 VA			1	20 A	RECEPTACLES: TLTS 1008,1009,1010	10
11	RECEPTACLES: BFR 1004, TLTS...	20 A	1					900 VA	720 VA	1	20 A	RECEPTACLES: GREETER 1002	12
13	RECEPTACLES: MAIN LOBBY 1001	20 A	1	900 VA	720 VA					1	20 A	RECEPTACLES: 1014,1402, LOBBY	14
15	MOTORIZED DOORS: MAIN LOBBY 1001	20 A	1			960 VA	540 VA			1	20 A	RECEPTACLES: ELEC 1015	16
17	PV2 SOIL LAB 1205	15 A	2					562 VA	250 VA	2	20 A	MOTORIZED GATE WEST PARKING AREA	18
19	--	--	--	562 VA	250 VA					--	--	--	20
21	MOTORIZED GATE WEST PARKING AREA	20 A	2			250 VA	540 VA			1	20 A	RECEPTACLES: EH SPECIALISTS 1225	22
23	--	--	--					250 VA	540 VA	1	20 A	RECEPTACLES: EH SPECIALISTS 1225	24
25	SPARE	20 A	1	0 VA	540 VA					1	20 A	RECEPTACLES: EH SPECIALISTS 1225	26
27	SPARE	20 A	1			0 VA	360 VA			1	20 A	RECEPTACLE GREETER 1002	28
29	SPARE	20 A	1					0 VA	360 VA	1	20 A	FLOOR BOX: LOBBY 1001 (FUTURE METAL...	30
31	SPARE	20 A	1	0 VA	24 VA					1	20 A	FLAGPOLE LTG. (PHOTOCELL CONTROLLED)	32
33	SPARE	20 A	1			0 VA	720 VA			1	20 A	RECS: LIT MIRROR 1008, 1012 (NOTE 1)	34
35	SPARE	20 A	1					0 VA	600 VA	1	20 A	DDC HVAC CONTROL POWER CORRIDOR...	36
37	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	38
39	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	40
41	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	42
43	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	44
45	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	46
47	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	48
49	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	50
51	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	52
53	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	54
55	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	56
57	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	58
59	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	60
			Total Load:	5271 VA		6766 VA		6295 VA					
			Total Amps:	44 A		58 A		54 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	3123 VA	100%	3123 VA		
Lighting	24 VA	125%	30 VA	**Total Conn. Load:**	18331 VA
Power	2615 VA	100%	2615 VA	**Total Est. Demand:**	17037 VA
Receptacle	12600 VA	90%	11300 VA	**Total Conn.:**	51 A
				Total Est. Demand:	47 A

Notes:
1. GFI CIRCUIT BREAKER.

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 36230 JASON P. FAMIGLETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
ELECTRICAL SCHEDULES

SHEET NO. E-605
PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

Branch Panel: 4B1P1

Location: ELECTRICAL 1018
Supply From: 4NMDP
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 480Y/277
Phases: 3
Wires: 4

A.I.C. Rating: 35,000 AMPS SYMMETRICAL
Mains Type: MAIN CB
Mains Rating: 400 A
MCB Rating: 400 A

Notes:

CKT	Circuit Description	Trip	Poles	A	A	B	B	C	C	Poles	Trip	Circuit Description	CKT
1	TRANSFORMER TB1 (150KVA) ELECTRICAL...	225 A	3	3536...	1500...					1	20 A	EUH3: STAIR 2 ST2L1	2
3	--	--	--			3494...	1500...			1	20 A	EUH5: STAIR 3 ST3L1	4
5	--	--	--					3652...	3300...	1	20 A	EUH7: PUMP ROOM 1419	6
7	LTG: NORTH	20 A	1	3041...	0 VA					1	20 A	SPARE	8
9	LTG: SOUTH	20 A	1			2931...	0 VA			1	20 A	SPARE	10
11	LTG: WEST	20 A	1					2637...	0 VA	1	20 A	SPARE	12
13	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	14
15	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	16
17	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	18
19	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	20
21	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	22
23	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	26
27	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	28
29	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	30
31	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	32
33	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	34
35	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	36
37	SPARE	20 A	1	0 VA	0 VA					3	30 A	SPD	38
39	SPARE	20 A	1			0 VA	0 VA			--	--	--	40
41	SPARE	20 A	1					0 VA	0 VA	--	--	--	42
			Total Load:	39904 VA		39372 VA		42456 VA					
			Total Amps:	144 A		142 A		154 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	24754 VA	100%	24754 VA		
Lighting	8608 VA	125%	10760 VA	Total Conn. Load:	121732 VA
Motor	506 VA	125%	633 VA	Total Est. Demand:	94086 VA
Power	18019 VA	100%	18019 VA	Total Conn.:	146 A
Receptacle	69846 VA	57%	39923 VA	Total Est. Demand:	113 A

Notes:

Branch Panel: 2B1R1

Location: ELECTRICAL 1018
Supply From: TB1
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120
Phases: 3
Wires: 4

A.I.C. Rating: 10,000 AMPS SYMMETRICAL
Mains Type: MAIN CB
Mains Rating: 600 A
MCB Rating: 500 A

Notes:

CKT	Circuit Description	Trip	Poles	A	A	B	B	C	C	Poles	Trip	Circuit Description	CKT
1	COFFEE MACHINE: BREAK ROOM 1469	20 A	1	180 VA	540 VA					1	20 A	RECEPTACLE ROOM 1407	2
3	RECEPTACLES: BREAK ROOM 1469	20 A	1			360 VA	600 VA			1	20 A	UC ICE MACHINE: BREAK ROOM 1469 (NOTE 1)	4
5	MOTORIZED DOOR: CORRIDOR 1016	20 A	1					480 VA	720 VA	1	20 A	RECEPTACLES: BREAK ROOM 1469	6
7	RECEPTACLES: LOCKER ROOM 1467	20 A	1	900 VA	1500...					1	20 A	MICROWAVE: BREAK ROOM 1469 (NOTE 1)	8
9	RECEPTACLES: CLINIC WAIT 1400	20 A	1			1440...	540 VA			1	20 A	RECEPTACLES: CORRIDOR 1016	10
11	RECEPTACLES: CHECK OUT 1480	20 A	1					1080...	1080...	1	20 A	RECEPTACLES: CORR. 1433,1438,1468,1483	12
13	RECEPTACLES: CHECK IN 1401 OUT 1480	20 A	1	540 VA	720 VA					1	20 A	RECEPTACLES: CHECK IN 1401	14
15	RECEPTACLES: CLINIC INTER 1479	20 A	1			720 VA	720 VA			1	20 A	RECEPTACLES: CHECK IN 1401	16
17	MICROWAVE: BREAK ROOM 1469 (NOTE 1)	20 A	1					1500...	540 VA	1	20 A	RECEPTACLES: WORK ROOM 1404	18
19	RECEPTACLES: CHECK IN 1401	20 A	1	720 VA	900 VA					1	20 A	RECEPTACLES: OFFICE 1411	20
21	RECEPTACLES: OFFICE 1412	20 A	1			900 VA	900 VA			1	20 A	RECEPTACLES: OFFICE 1409	22
23	RECEPTACLES: VITAL REC 1403	20 A	1					720 VA	720 VA	1	20 A	RECEPTACLES: CHECK IN 1401	24
25	RECEPTACLES: OFFICE 1408	20 A	1	900 VA	1500...					1	20 A	PRINTER/COPIER: WORK ROOM 1404	26
27	REFRIGERATOR: BREAK ROOM 1469 (NOTE 1)	20 A	1			1500...	0 VA			1	20 A	SPARE	28
29	RECEPTACLES: PROVIDER 1413	20 A	1					900 VA	900 VA	1	20 A	RECEPTACLES: OFFICE 1410	30
31	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	32
33	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	34
35	REFRIGERATOR: BREAK ROOM 1469 (NOTE 1)	20 A	1					1500...	0 VA	1	20 A	SPARE	36
37	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	38
39	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	40
41	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	42
43	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	44
45	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	46
47	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	48
49	PANELBOARD 2B1R3 (ELECTRICAL 1018)	200 A	3	8940...	0 VA					3	30 A	SPD	50
51	--	--	--			8645...	0 VA			--	--	--	52
53	--	--	--					7540...	0 VA	--	--	--	54
55	PANELBOARD 2B1R1A (PUMP ROOM 1419)	100 A	3	7663...	1036...					3	200 A	PANELBOARD 2B1R2 (ELECTRICAL 1018)	56
57	--	--	--			7421...	1119...			--	--	--	58
59	--	--	--					8280...	1056...	--	--	--	60
			Total Load:	35365 VA		34941 VA		36520 VA					
			Total Amps:	295 A		291 A		305 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	18454 VA	100%	18454 VA		
Motor	506 VA	125%	633 VA	Total Conn. Load:	106825 VA
Power	18019 VA	100%	18019 VA	Total Est. Demand:	77029 VA
Receptacle	69846 VA	57%	39923 VA	Total Conn.:	297 A
				Total Est. Demand:	214 A

Notes:
1. GFI CIRCUIT BREAKER.

Branch Panel: 2B1R2

Location: ELECTRICAL 1018
Supply From: 2B1R1
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120
Phases: 3
Wires: 4

A.I.C. Rating: 10,000 AMPS SYMMETRICAL
Mains Type: MAIN CB
Mains Rating: 225 A
MCB Rating: 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A	A	B	B	C	C	Poles	Trip	Circuit Description	CKT
1	REFRIGERATOR: IMMUNIZATION WORK 1473	20 A	1	240 VA	885 VA					1	20 A	RECEPTACLES: EXAM PEDS 1461	2
3	FREEZER: IMMUNIZATION WORK 1473	20 A	1			360 VA	720 VA			1	20 A	RECEPTACLES: 1463,1470,1472,1481	4
5	PRINTER/COPIER: NURSE STN 1459	20 A	1					1500...	540 VA	1	20 A	RECEPTACLES: NURSE STN 1459	6
7	RECEPTACLES: NURSE STN 1459	20 A	1	540 VA	240 VA					1	20 A	REFRIGERATOR: IMMUNIZATION WORK 1473	8
9	PRINTER/COPIER: NURSE STN 1459	20 A	1			1500...	240 VA			1	20 A	REFRIGERATOR: IMMUNIZATION WORK 1473	10
11	RECEPTACLES: CONFERENCE 1418	20 A	1					1260...	240 VA	1	20 A	REFRIGERATOR: IMMUNIZATION WORK 1473	12
13	RECEPTACLES: NURSE STN 1459	20 A	1	720 VA	720 VA					1	20 A	RECEPTACLES: ELECTRICAL ROOM 1018	14
15	RECEPTACLES: NURSE STN 1459	20 A	1			720 VA	720 VA			1	20 A	RECEPTACLES: NURSE STN 1459	16
17	RECEPTACLES: PEDS VITALS 1471	20 A	1					720 VA	720 VA	1	20 A	RECEPTACLES: NURSE STN 1459	18
19	RECEPTACLES: PROVIDER 1414	20 A	1	900 VA	900 VA					1	20 A	RECEPTACLES: IMMUNICATION 1476	20
21	RECEPTACLES: PROVIDER 1415	20 A	1			900 VA	900 VA			1	20 A	RECEPTACLES: OFFICE 1416	22
23	RECEPTACLES: WOM. HLTH. VTLS 1474	20 A	1					900 VA	900 VA	1	20 A	RECEPTACLES: OFFICE 1417	24
25	RECEPTACLES: EXAM WOMENS 1451	20 A	1	900 VA	900 VA					1	20 A	RECEPTACLES: EXAM PEDS 1460	26
27	RECEPTACLES: EXAM WOMENS 1452	20 A	1			900 VA	900 VA			1	20 A	RECEPTACLES: EXAM PEDS 1462	28
29	RECEPTACLES: IMMUNICATION 1475	20 A	1					900 VA	900 VA	1	20 A	RECEPTACLES: EXAM WOMENS 1450	30
31	RECEPTACLES EXAM PEDS 1458	20 A	1	900 VA	1080...					1	20 A	RECEPTACLES: IMMUNIZATION 1478	32
33	RECEPTACLES: EXAM PEDS 1455	20 A	1			900 VA	1080...			1	20 A	RECEPTACLES: IMMUNIZATION 1478	34
35	RECEPTACLES: EXAM PEDS 1456	20 A	1					900 VA	1080...	1	20 A	RECEPTACLES: IMMUNIZATION WORK 1473	36
37	RECEPTACLES: EXTERIOR EAST	20 A	1	720 VA	720 VA					1	20 A	RECEPTACLES: EXTERIOR EAST	38
39	RECEPTACLE: ELEVATOR 3 PIT	20 A	1			180 VA	1176...			1	20 A	SP2 ELEVATOR SHAFT 3	40
41	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	42
43	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	44
45	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	46
47	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	48
49	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	50
51	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	52
53	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	54
55	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	56
57	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	58
59	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	60
			Total Load:	10362 VA		11196 VA		10560 VA					
			Total Amps:	86 A		94 A		88 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	5496 VA	100%	5496 VA		
Receptacle	26622 VA	69%	18311 VA	Total Conn. Load:	32118 VA
				Total Est. Demand:	23807 VA
				Total Conn.:	89 A
				Total Est. Demand:	66 A

Notes:

Branch Panel: 2B1R3

Location: ELECTRICAL 1018
Supply From: 2B1R1
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120
Phases: 3
Wires: 4

A.I.C. Rating: 10,000 AMPS SYMMETRICAL
Mains Type: MAIN CB
Mains Rating: 225 A
MCB Rating: 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A	A	B	B	C	C	Poles	Trip	Circuit Description	CKT
1	RECEPTACLES: CORR. 1420,1442,1444	20 A	1	900 VA	900 VA					1	20 A	RECEPTACLES: OFFICE 1421	2
3	RECEPTACLES: CD NURSES 1422	20 A	1			900 VA	900 VA			1	20 A	RECEPTACLES: CD NURSES 1422	4
5	RECEPTACLES: PHARMACY 1443	20 A	1					540 VA	180 VA	1	20 A	UC REFRIGERATOR: PHARMACY 1443	6
7	RECEPTACLES: PHARMACY 1443	20 A	1	900 VA	1740...					1	20 A	RECEPTACLES: MEDICATION STOR. 1441	8
9	RECEPTACLES: EXAM WOMENS 1440	20 A	1			900 VA	900 VA			1	20 A	RECEPTACLES: EXAM WOMENS 1439	10
11	RECEPTACLES: EXAM 1427	20 A	1					900 VA	900 VA	1	20 A	RECEPTACLES: TRIAGE/EXAM 1432	12
13	RECEPTACLES: EXAM 1431	20 A	1	900 VA	540 VA					1	20 A	RECEPTACLES: ANTE-RM 1430	14
15	RECEPTACLES: BLOOD DRAW 1447	20 A	1			878 VA	180 VA			1	20 A	COUNTER REFRIGERATOR: BLOOD DRAW...	16
17	UC REFRIGERATOR: BLOOD DRAW 1447	20 A	1					180 VA	900 VA	1	20 A	RECEPTACLES: LAB MANAGER 1437A	18
19	LAB REFRIGERATOR: CLINICAL LAB 1437	20 A	1	180 VA	360 VA					1	20 A	RECEPTACLES: COUNTER CLINICAL LAB 1437	20
21	RECEPTACLES: COUNTER CLINICAL LAB 1437	20 A	1			540 VA	180 VA			1	20 A	INCUBATER: CLINICAL LAB 1437	22
23	RECEPTACLES: DESKS CLINICAL LAB 1437	20 A	1					900 VA	720 VA	1	20 A	RECEPTACLES: DESKS CLINICAL LAB 1437	24
25	RECEPTACLES: TOMBSTONE CLINICAL LAB...	20 A	1	360 VA	360 VA					1	20 A	RECEPTACLES: TOMBSTONE CLINICAL LAB...	26
27	RECEPTACLES: TOMBSTONE CLINICAL LAB...	20 A	1			360 VA	900 VA			1	20 A	RECEPTACLES: SHIPPING REC. MAIL 1022	28
29	RECEPTACLES: BILLING OFFICE 1434	20 A	1					540 VA	360 VA	1	20 A	REFRIGERATOR: DRUG STOR 1490	30
31	REFRIGERATOR: DRUG STOR 1490	20 A	1	360 VA	720 VA					1	20 A	RECEPTACLES: ROOM 1490, 1021	32
33	ELECTRIC FURN: BILLING OFFICE 1434 (NOT...	20 A	1			720 VA	700 VA			1	20 A	VAV CTRL PWR: VAV2-1-01,02,07,08,09,10,11	34
35	ELECTRIC FURN: BILLING OFFICE 1434 (NOT...	20 A	1					720 VA	700 VA	1	20 A	VAV CTRL PWR: VAV2-1-	36
37	ELECTRIC FURN: BILLING OFFICE 1434 (NOT...	20 A	1	720 VA	0 VA					1	20 A	SPARE	38
39	DDC HVAC CONTROL POWER CORR 1438	20 A	1			600 VA	0 VA			1	20 A	SPARE	40
41									0 VA	1	20 A	SPARE	42
43	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	44
45	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	46
47	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	48
49	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	50
51	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	52
53	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	54
55	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	56
57	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	58
59	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	60
			Total Load:	8940 VA		8645 VA		7540 VA					
			Total Amps:	76 A		73 A		63 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	2000 VA	100%	2000 VA		
Power	1440 VA	100%	1440 VA	Total Conn. Load:	25124 VA
Receptacle	21685 VA	73%	15842 VA	Total Est. Demand:	19282 VA
				Total Conn.:	70 A
				Total Est. Demand:	54 A

Notes:
1. PROVIDE HANDLE TIE FOR ALL CIRCUIT BREAKERS FEEDING ELECTRIFIED FURNITURE.

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLIETTI
4/2/2026

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
ELECTRICAL SCHEDULES

SHEET NO. E-606
PROJ. NO. 024370.00

Branch Panel: 4A2P1

Location: ELEC 2016 | **Supply From:** 4NMDP | **Mounting:** SURFACE | **Enclosure:** NEMA 1
Volts: 480Y/277 | **Phases:** 3 | **Wires:** 4
A.I.C. Rating: 25,000 AMPS SYMMETRICAL | **Mains Type:** MAIN CB | **Mains Rating:** 400 A | **MCB Rating:** 400 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	TRANSFORMER TA2 (112.5KVA) ELECT 2016	175 A	3	2634...	0 VA					1	20 A	SPARE	2
3	--	--	--			2324...	0 VA			1	20 A	SPARE	4
5	--	--	--					2448...	0 VA	1	20 A	SPARE	6
7	LTG: SOUTH	20 A	1	2406...	0 VA					1	20 A	SPARE	8
9	LTG: NORTH	20 A	1			2436...	0 VA			1	20 A	SPARE	10
11	LTG: PERIMETER & OPEN RMS	20 A	1					2524...	0 VA	1	20 A	SPARE	12
13	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	14
15	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	16
17	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	18
19	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	20
21	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	22
23	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	26
27	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	28
29	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	30
31	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	32
33	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	34
35	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	36
37	SPARE	20 A	1	0 VA	0 VA					3	30 A	SPD	38
39	SPARE	20 A	1			0 VA	0 VA			--	--	--	40
41	SPARE	20 A	1					0 VA	0 VA	--	--	--	42
			Total Load:	28744 VA		25673 VA		27004 VA					
			Total Amps:	105 A		93 A		98 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	2600 VA	100%	2600 VA		
Lighting	7363 VA	125%	9204 VA	Total Conn. Load:	81421 VA
Power	17240 VA	100%	17240 VA	Total Est. Demand:	61150 VA
Receptacle	54222 VA	59%	32111 VA	Total Conn.:	98 A
				Total Est. Demand:	74 A

Notes:

Branch Panel: 2A2R1

Location: ELEC 2016 | **Supply From:** TA2 | **Mounting:** SURFACE | **Enclosure:** NEMA 1
Volts: 208Y/120 | **Phases:** 3 | **Wires:** 4
A.I.C. Rating: 10,000 AMPS SYMMETRICAL | **Mains Type:** MAIN CB | **Mains Rating:** 400 A | **MCB Rating:** 400 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	RECEPTACLES: TRAINING ROOM 2118	20 A	1	1080...	720 VA					1	20 A	POKE THROUGHS: TRAINING ROOM 2118	2
3	RECEPTACLES: OFFICE 2120	20 A	1			900 VA	720 VA			1	20 A	RECEPTACLES: OFFICE 2121	4
5	POKE THROUGHS: TRAINING ROOM 2122	20 A	1					1080...	720 VA	1	20 A	POWER TRAINING ROOM 2122	6
7	RECEPTACLES: OFFICE 2126	20 A	1	900 VA	900 VA					1	20 A	RECEPTACLES: DSS LEAD SUP. AGENT 2130	8
9	RECEPTACLES: OFFICE 2128	20 A	1			900 VA	1500...			1	20 A	COPIER/PRINTER: CS WORK ROOM 2133	10
11	RECEPTACLES: CS WORK ROOM 2133	20 A	1					720 VA	720 VA	1	20 A	RECEPTACLES DSS CHILD SUP 2139	12
13	RECEPTACLES: PUBLIC HOUSING 2145	20 A	1	900 VA	540 VA					1	20 A	RECEPTACLES: PRINT/WORK 2144	14
15	COPIER/PRINTER: PRINT/WORK 2144	20 A	1			1500...	900 VA			1	20 A	RECEPTACLES: BREAK 2141	16
17	RECEPTACLES: 2008, 2424, AND 2146	20 A	1					900 VA	540 VA	1	20 A	RECEPTACLES: ELEC. 2016	18
19	RECEPTACLE: J CL 2015	20 A	1	180 VA	720 VA					1	20 A	ELECTRIC FURN: CHILD SUPPORT 2140 (NOT...	20
21	ELECTRIC FURN: CHILD SUPPORT 2140 (NOT...	20 A	1			720 VA	720 VA			1	20 A	ELECTRIC FURN: CHILD SUPPORT 2140 (NOT...	22
23	ELECTRIC FURN: CHILD SUPPORT 2140 (NOT...	20 A	1					720 VA	720 VA	1	20 A	ELECTRIC FURN: CHILD SUPPORT 2140 (NOT...	24
25	ELECTRIC FURN: CHILD SUPPORT 2140 (NOT...	20 A	1	720 VA	720 VA					1	20 A	ELECTRIC FURN: CHILD SUPPORT 2140 (NOT...	26
27	ELECTRIC FURN: CHILD SUPPORT 2140 (NOT...	20 A	1			720 VA	720 VA			1	20 A	ELECTRIC FURN: CHILD SUPPORT 2140 (NOT...	28
29	ELECTRIC FURN: PUB. HOUSING 2143 (NOTE...	20 A	1					720 VA	720 VA	1	20 A	ELECTRIC FURN: CHILD SUPPORT 2140 (NOT...	30
31	ELECTRIC FURN: PUB. HOUSING 2143 (NOTE...	20 A	1	720 VA	720 VA					1	20 A	ELECTRIC FURN: CHILD SUPPORT 2140 (NOT...	32
33	ELECTRIC FURN: PUB. HOUSING 2143 (NOTE...	20 A	1			720 VA	720 VA			1	20 A	ELECTRIC FURN: CHILD SUPPORT 2140 (NOT...	34
35	ELECTRIC FURN: PUB. HOUSING 2143 (NOTE...	20 A	1					720 VA	360 VA	1	20 A	BOTTLE FILLER: CORR. 2014 (NOTE 2)	36
37	ELECTRIC FURN: PUB. HOUSING 2143 (NOTE...	20 A	1	720 VA	0 VA					1	20 A	SPARE	38
39	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	40
41	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	42
43	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	44
45	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	46
47	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	48
49	SPARE	20 A	1	0 VA	0 VA					3	30 A	SPD	50
51	SPARE	20 A	1			0 VA	0 VA			--	--	--	52
53	SPARE	20 A	1					0 VA	0 VA	--	--	--	54
55	PANEL 2A2R3 ELECTRICAL 2016	150 A	3	5823...	1098...					3	150 A	PANEL 2A2R2 ELECTRICAL 2016	56
57	--	--	--			4520...	7980...			--	--	--	58
59	--	--	--					6300...	9540...	--	--	--	60
			Total Load:	26342 VA		23240 VA		24480 VA					
			Total Amps:	221 A		194 A		206 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	2600 VA	100%	2600 VA		
Power	17240 VA	100%	17240 VA	Total Conn. Load:	74062 VA
Receptacle	54222 VA	59%	32111 VA	Total Est. Demand:	51951 VA
				Total Conn.:	206 A
				Total Est. Demand:	144 A

Notes:
1.PROVIDE HANDLE TIE FOR ALL CIRCUIT BREAKERS FEEDING ELECTRIFIED FURNITURE.
2. GFI CIRCUIT BREAKER.

Branch Panel: 2A2R2

Location: ELEC 2016 | **Supply From:** 2A2R1 | **Mounting:** SURFACE | **Enclosure:** NEMA 1
Volts: 208Y/120 | **Phases:** 3 | **Wires:** 4
A.I.C. Rating: 10,000 AMPS SYMMETRICAL | **Mains Type:** MAIN CB | **Mains Rating:** 150 A | **MCB Rating:** 150 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	RECEPTACLES: CALL CENTER 2110	20 A	1	540 VA	900 VA					1	20 A	RECEPTACLES: INTERVIEW ROOM 2150 &...	2
3	RECEPTACLES: INTERVIEW ROOM 2149 &...	20 A	1			720 VA	720 VA			1	20 A	RECEPTACLES: INTERVIEW ROOM 2152 &...	4
5	RECEPTACLES: INTERVIEW ROOM 2154 &...	20 A	1					720 VA	1500...	1	20 A	COFFEE MACHINE: BREAK ROOM 2125	6
7	COFFEE MACHINE: BREAK ROOM 2125	20 A	1	1500...	600 VA					1	15 A	UC ICE MACHINE: BREAK ROOM 2125 (NOTE 1)	8
9	RECEPTACLES: BREAK ROOM 2125	20 A	1			540 VA	1500...			1	20 A	MICROWAVE: BREAK ROOM 2125 (NOTE 1)	10
11	MICROWAVE: BREAK ROOM 2125 (NOTE 1)	20 A	1					1500...	1500...	1	20 A	REFRIGERATOR: BREAK ROOM 2125 (NOTE 1)	12
13	REFRIGERATOR: BREAK ROOM 2125 (NOTE 1)	20 A	1	1500...	900 VA					1	20 A	RECEPTACLES: ROOM 2116	14
15	RECEPTACLES ROOM 2008, 2116, 2031	20 A	1			1080...	180 VA			1	20 A	EWC1: CORR-1 2008 (NOTE 1)	16
17	RECEPTACLES: TLTS 2009,2010 & 2011	20 A	1					540 VA	720 VA	1	20 A	RECEPTACLES: 2004,2005,2006 & 2007	18
19	ELEC. FURN: CALL CENTER 2110 (NOTE 2)	20 A	1	720 VA	720 VA					1	20 A	ELEC. FURN: CALL CENTER 2110 (NOTE 2)	20
21	ELEC. FURN: CALL CENTER 2110 (NOTE 2)	20 A	1			720 VA	720 VA			1	20 A	ELEC. FURN: CALL CENTER 2110 (NOTE 2)	22
23	ELEC. FURN: CALL CENTER 2110 (NOTE 2)	20 A	1					720 VA	540 VA	1	20 A	RECEPTACLES: CORRIDOR 2012 & 2020	24
25	ELEC. FURN: CALL CENTER 2110 (NOTE 2)	20 A	1	720 VA	1080...					1	20 A	ELEC. FURN: OPEN OFFICE 2116 (NOTE 2)	26
27	ELEC. FURN: OPEN OFFICE 2116 (NOTE 2)	20 A	1			720 VA	1080...			1	20 A	ELEC. FURN: OPEN OFFICE 2116 (NOTE 2)	28
29	ELEC. FURN: OPEN OFFICE 2116 (NOTE 2)	20 A	1					720 VA	1080...	1	20 A	ELEC. FURN: OPEN OFFICE 2116 (NOTE 2)	30
31	ELEC. FURN: OPEN OFFICE 2116 (NOTE 2)	20 A	1	720 VA	1080...					1	20 A	ELEC. FURN: OPEN OFFICE 2116 (NOTE 2)	32
33	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	34
35	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	36
37	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	38
39	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	40
41	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	42
43	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	44
45	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	46
47	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	48
49	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	50
51	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	52
53	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	54
55	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	56
57	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	58
59	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	60
			Total Load:	10980 VA		7980 VA		9540 VA					
			Total Amps:	94 A		67 A		82 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	9780 VA	100%	9780 VA		
Receptacle	18720 VA	77%	14360 VA	Total Conn. Load:	28500 VA
				Total Est. Demand:	24140 VA
				Total Conn.:	79 A
				Total Est. Demand:	67 A

Notes:
1. GFI CIRCUIT BREAKER
2. PROVIDE HANDLE TIE FOR ALL CIRCUIT BREAKERS FEEDING ELECTRIFIED FURNITURE.

Branch Panel: 2A2R3

Location: ELEC 2016 | **Supply From:** 2A2R1 | **Mounting:** SURFACE | **Enclosure:** NEMA 1
Volts: 208Y/120 | **Phases:** 3 | **Wires:** 4
A.I.C. Rating: 10,000 AMPS SYMMETRICAL | **Mains Type:** MAIN CB | **Mains Rating:** 150 A | **MCB Rating:** 150 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	VAV CTRL PWR: VAV1-2-01,02,03,06,07,08,09	20 A	1	700 VA	900 VA					1	20 A	RECEPTACLES: OFFICE 2105	2
3	RECEPTACLES: CALL CENTER WORK RM 2104	20 A	1			900 VA	720 VA			1	20 A	POKE THROUGHS: CALL CENTER WORK RM...	4
5	PRINTER: CALL CENTER WORK RM 2104	20 A	1					1500...	1500...	1	20 A	PRINTER: CALL CENTER WORK RM 2104	6
7	PRINTER: RECEPTION 2101	20 A	1	1500...	885 VA					1	20 A	RECEPTACLES: RECEP. 2101 & FILE 2103	8
9	RECEPTACLES: RECEPTION 2101	20 A	1			540 VA	1080...			1	20 A	RECEPTACLES: WAITING 2100	10
11	RECEPTACLES: CONFERENCE 2108	20 A	1					720 VA	720 VA	1	20 A	RECEPTACLE ROOM 2108	12
13	VAV CTRL PWR: VAV1-2-04,05,10,11,12,13,14	20 A	1	700 VA	0 VA					1	20 A	SPARE	14
15	SHREDDER: RECEPTION 2101	20 A	1			500 VA	0 VA			1	20 A	SPARE	16
17	RECEPTACLE RECEPTION 2101	20 A	1					540 VA	0 VA	1	20 A	SPARE	18
19	RECEPTACLE RECEPTION 2101	20 A	1	540 VA	0 VA					1	20 A	SPARE	20
21	RECEPTACLE: ELEVATOR SHAFT ELEV 1&2	20 A	1			180 VA	0 VA			1	20 A	SPARE	22
23	RECS: LIT MIRRORS 2011, 2005 (NOTE 1)	20 A	1					720 VA	0 VA	1	20 A	SPARE	24
25	DDC HVAC CONTROL POWER FNS WORK 2262	20 A	1	600 VA	0 VA					1	20 A	SPARE	26
27	DDC HVAC CONTROL POWER CORRIDOR 2008	20 A	1			600 VA	0 VA			1	20 A	SPARE	28
29	DELAYED EGRESS DOOR POWER	20 A	1					600 VA	0 VA	1	20 A	SPARE	30
31					0 VA					1	20 A	SPARE	32
33	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	34
35	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	36
37	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	38
39	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	40
41	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	42
43	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	44
45	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	46
47	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	48
49	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	50
51	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	52
53	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	54
55	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	56
57	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	58
59	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	60
			Total Load:	5823 VA		4520 VA		6300 VA					
			Total Amps:	50 A		38 A		54 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	2600 VA	100%	2600 VA		
Power	5600 VA	100%	5600 VA	Total Conn. Load:	16643 VA
Receptacle	8442 VA	100%	8442 VA	Total Est. Demand:	16643 VA
				Total Conn.:	46 A
				Total Est. Demand:	46 A

Notes:
1. GFI CIRCUIT BREAKER.

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLIETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY NORTH CAROLINA

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES

67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
ELECTRICAL SCHEDULES

SHEET NO. E-607
PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERED IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. SUBMISSION OR DISTRIBUTION OF THESE MATERIALS TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THIS PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS.
© COPYRIGHT 2026 MCMILLAN PAZDAN SMITH ARCHITECTURE
ALL RIGHTS RESERVED

Branch Panel: 4B2P1

Location: ELECT. 2250
Supply From: 4NMDP
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 480Y/277
Phases: 3
Wires: 4

A.I.C. Rating: 25,000 AMPS SYMMETRICAL
Mains Type: MAIN CB
Mains Rating: 400 A
MCB Rating: 400 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	TRANSFORMER TB2 (150KVA) ELECT 2250	225 A	3	4131...	--					1	--	SPACE	2
3	--	--	--			4059...	--			1	--	SPACE	4
5	--	--	--					4045...	--	1	--	SPACE	6
7	LTG: MEDICAID WORK RM 2208	20 A	1	2886...	--					1	--	SPACE	8
9	LTG: SOUTH	20 A	1			2514...	--			1	--	SPACE	10
11	LTG: NORTH	20 A	1					2427...	--	1	--	SPACE	12
13	SPARE	20 A	1	0 VA	--					1	--	SPACE	14
15	SPARE	20 A	1			0 VA	--			1	--	SPACE	16
17	SPARE	20 A	1					0 VA	--	1	--	SPACE	18
19	SPARE	20 A	1	0 VA	--					1	--	SPACE	20
21	SPARE	20 A	1			0 VA	--			1	--	SPACE	22
23	SPARE	20 A	1					0 VA	--	1	--	SPACE	24
25	SPARE	20 A	1	0 VA	--					1	--	SPACE	26
27	SPARE	20 A	1			0 VA	--			1	--	SPACE	28
29	SPARE	20 A	1					0 VA	--	1	--	SPACE	30
31	SPARE	20 A	1	0 VA	--					1	--	SPACE	32
33	SPARE	20 A	1			0 VA	--			1	--	SPACE	34
35	SPARE	20 A	1					0 VA	--	1	--	SPACE	36
37	SPARE	20 A	1	0 VA	0 VA					3	30 A	SPD	38
39	SPARE	20 A	1			0 VA	0 VA			--	--	--	40
41	SPARE	20 A	1					0 VA	0 VA	--	--	--	42
			Total Load:	44202 VA		43110 VA		42876 VA					
			Total Amps:	160 A		156 A		155 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	1200 VA	100%	1200 VA		
Lighting	7827 VA	125%	9784 VA	**Total Conn. Load:**	130188 VA
Power	29830 VA	100%	29830 VA	**Total Est. Demand:**	91479 VA
Receptacle	91332 VA	55%	50666 VA	**Total Conn.:**	157 A
				Total Est. Demand:	110 A

Notes:

Branch Panel: 2B2P1

Location: ELECT. 2250
Supply From: TB2
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120
Phases: 3
Wires: 4

A.I.C. Rating: 10,000 AMPS SYMMETRICAL
Mains Type: MAIN CB
Mains Rating: 600 A
MCB Rating: 500 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	RECEPTACLES: OFFICE PRGM. ADMIN 2260	20 A	1	900 VA	900 VA					1	20 A	RECEPTACLES: FNS SUPER. 2256	2
3	RECEPTACLES: FNS SUPERVISOR 2254	20 A	1			900 VA	900 VA			1	20 A	RECEPTACLE FNS WORK (28)-3 2262-3	4
5	REFRIGERATOR: COFFEE NOOK 2258 (NOTE...	20 A	1					1500...	1500...	1	20 A	RECEPTACLES: COUNTER COFFEE NOOK...	6
7	UC ICE MACHINE COFFEE NOOK 2258 (NOTE...	20 A	1	600 VA	900 VA					1	20 A	RECEPTACLES: SUP. INTAKE ADULT 2216	8
9	RECEPTACLES: QA SUPERVISER 2214	20 A	1			900 VA	900 VA			1	20 A	RECEPTACLES: SUP FNS INTAKE 2212	10
11	RECEPTACLES: ES PROG. MANAGER 2210	20 A	1					900 VA	720 VA	1	20 A	RECEPTACLES: 2208 & 2211	12
13	REFRIGERATOR: COFFEE NOOK 2211 (NOTE...	20 A	1	1500...	1500...					1	20 A	RECEPTACLES: COUNTER COFFEE NOOK...	14
15	UC ICE MACHINE COFFEE NOOK 2211 (NOTE...	20 A	1			600 VA	540 VA			1	20 A	RECEPTACLES: ELECTRICAL 2250	16
17	RECEPTACLES: SUP RECERT 2246	20 A	1					720 VA	720 VA	1	20 A	RECEPTACLES: SUP INTAKE 2218	18
19	RECEPTACLES: MEDICAID WORK 2208	20 A	1	900 VA	720 VA					1	20 A	ELEC FURN: FNS WORK 2262 (NOTE 2)	20
21	ELEC FURN: FNS WORK 2262 (NOTE 2)	20 A	1			720 VA	720 VA			1	20 A	ELEC FURN: FNS WORK 2262 (NOTE 2)	22
23	ELEC FURN: FNS WORK 2262 (NOTE 2)	20 A	1					720 VA	720 VA	1	20 A	ELEC FURN: FNS WORK 2262 (NOTE 2)	24
25	ELEC FURN: FNS WORK 2262 (NOTE 2)	20 A	1	720 VA	720 VA					1	20 A	ELEC FURN: FNS WORK 2262 (NOTE 2)	26
27	ELEC FURN: FNS WORK 2262 (NOTE 2)	20 A	1			720 VA	720 VA			1	20 A	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	28
29	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	20 A	1					720 VA	720 VA	1	20 A	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	30
31	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	20 A	1	720 VA	576 VA					1	20 A	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	32
33	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	20 A	1			720 VA	576 VA			1	20 A	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	34
35	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	20 A	1					720 VA	1080...	1	20 A	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	36
37	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	20 A	1	720 VA	1080...					1	20 A	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	38
39	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	20 A	1			720 VA	1080...			1	20 A	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	40
41	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	20 A	1					720 VA	1080...	1	20 A	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	42
43	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	20 A	1	720 VA	600 VA					1	20 A	VAV CTRL PWR: VAV2-2-03,05,06,07,08,11	44
45	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	20 A	1			720 VA	600 VA			1	20 A	VAV CTRL PWR: VAV2-2-01,02,04A,04B,09,10,	46
47	SPARE	20 A	1					0 VA	360 VA	1	20 A	RECEPTACLES: COFFEE NOOK 2211	48
49	RECEPTACLES: COFFEE NOOK 2258	20 A	1	360 VA	0 VA					3	30 A	SPD	50
51	SPARE	20 A	1			0 VA	0 VA			--	--	--	52
53	SPARE	20 A	1					0 VA	0 VA	--	--	--	54
55	PANELBOARD 2B2R3 ELECTRICAL 2250	200 A	3	1296...	1422...					3	200 A	PANELBOARD 2B2R2 ELECTRICAL 2250	56
57	--	--	--			1374...	1482...			--	--	--	58
59	--	--	--					1369...	1386...	--	--	--	60
			Total Load:	41316 VA		40596 VA		40450 VA					
			Total Amps:	344 A		338 A		337 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	1200 VA	100%	1200 VA		
Power	29830 VA	100%	29830 VA	**Total Conn. Load:**	122362 VA
Receptacle	91332 VA	55%	50666 VA	**Total Est. Demand:**	81696 VA
				Total Conn.:	340 A
				Total Est. Demand:	227 A

Notes:
1. GFI CIRCUIT BREAKER.
2. PROVIDE HANDLE TIE FOR ALL CIRCUIT BREAKERS FEEDING ELECTRIFIED FURNITURE.

Branch Panel: 2B2R2

Location: ELECT. 2250
Supply From: 2B2R1
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120
Phases: 3
Wires: 4

A.I.C. Rating: 10,000 AMPS SYMMETRICAL
Mains Type: MAIN CB
Mains Rating: 225 A
MCB Rating: 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	MICROWAVE: BREAK ROOM 2220 (NOTE 1)	20 A	1	1200...	1500...					1	20 A	REFRIGERATOR: BREAK ROOM 2220 (NOTE 1)	2
3	REFRIGERATOR: BREAK ROOM 2220 (NOTE 1)	20 A	1			1500...	1500...			1	20 A	MICROWAVE: BREAK ROOM 2220 (NOTE 1)	4
5	COFFEE MACHINE: BREAK ROOM 2220	20 A	1					1500...	600 VA	1	20 A	UC ICE MACHINE BREAK ROOM 2220 (NOTE 1)	6
7	RECEPTACLES: COUNTER BREAK ROOM 2220	20 A	1	540 VA	720 VA					1	20 A	RECEPTACLES: OFF. PGRM. INTEG. 2222	8
9	RECEPTACLES: 2220 & 2208	20 A	1			720 VA	1500...			1	20 A	COFFEE MACHINE: BREAK ROOM 2220	10
11	RECEPTACLES: OFF. ES. PGRM. MGR. 2244	20 A	1					720 VA	1500...	1	20 A	PRINTER/COPIER: PRINT/WORK 2238	12
13	RECEPTACLES: SUP RECERT. MA LTC 2240	20 A	1	720 VA	720 VA					1	20 A	RECEPTACLES: OF SUP. FT DESK 2224	14
15	RECEPTACLES: PRINT/WORK 2238	20 A	1			540 VA	720 VA			1	20 A	RECEPTACLES: OFFICE 2226	16
17	RECEPTACLES: SUP. RECERT F/C/MA 2236	20 A	1					720 VA	720 VA	1	20 A	RECEPTACLES: OFFICE 2228	18
19	RECEPTACLES: OFFICE 2234	20 A	1	720 VA	720 VA					1	20 A	RECEPTACLES: OFFICE 2230	20
21	RECEPTACLES: OFFICE 2232	20 A	1			720 VA	1500...			1	20 A	PRINTER/COPIER: PRINT 2024	22
23	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	20 A	1					720 VA	720 VA	1	20 A	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	24
25	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	20 A	1	720 VA	720 VA					1	20 A	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	26
27	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	20 A	1			720 VA	720 VA			1	20 A	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	28
29	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	20 A	1					720 VA	720 VA	1	20 A	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	30
31	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	20 A	1	720 VA	720 VA					1	20 A	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	32
33	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	20 A	1			720 VA	720 VA			1	20 A	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	34
35	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	20 A	1					1440...	720 VA	1	20 A	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	36
37	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	20 A	1	1440...	720 VA					1	20 A	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	38
39	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	20 A	1			1440...	900 VA			1	20 A	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	40
41	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	20 A	1					1440...	900 VA	1	20 A	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	42
43	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	20 A	1	1440...	900 VA					1	20 A	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	44
45	SPARE	20 A	1			0 VA	900 VA			1	20 A	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	46
47	RECEPTACLES: 2024 & 2262	20 A	1					360 VA	360 VA	1	20 A	BOTTLE FILLER: BREAK ROOM 2220 (NOTE 1)	48
49	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	50
51	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	52
53	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	54
55	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	56
57	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	58
59	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	60
			Total Load:	14220 VA		14820 VA		13860 VA					
			Total Amps:	119 A		124 A		116 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	12660 VA	100%	12660 VA		
Receptacle	30240 VA	67%	20120 VA	**Total Conn. Load:**	42900 VA
				Total Est. Demand:	32780 VA
				Total Conn.:	119 A
				Total Est. Demand:	91 A

Notes:
1. GFI CIRCUIT BREAKER.
2. PROVIDE HANDLE TIE FOR ALL CIRCUIT BREAKERS FEEDING ELECTRIFIED FURNITURE.

Branch Panel: 2B2R3

Location: ELECT. 2250
Supply From: 2B2R1
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120
Phases: 3
Wires: 4

A.I.C. Rating: 10,000 AMPS SYMMETRICAL
Mains Type: MAIN CB
Mains Rating: 225 A
MCB Rating: 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	RECEPTACLES: CONFERENCE 2203	20 A	1	900 VA	180 VA					1	20 A	RECEPTACLE: ELEVATOR SHAFT ELEV 3	2
3	POKE THROUGHS: CONFERENCE 2203	20 A	1			720 VA	1080...			1	20 A	RECEPTACLES: 2200,2201 & 2204	4
5	REFRIGERATOR: BREAK RM 2017 (NOTE 1)	20 A	1					1500...	1500...	1	20 A	MICROWAVE: BREAK RM 2017 (NOTE 1)	6
7	MICROWAVE: BREAK RM 2017 (NOTE 1)	20 A	1	1500...	1500...					1	20 A	COFFEE MACHINE: BREAK RM 2017	8
9	RECEPTACLES: GENERAL & TC BREAK RM...	20 A	1			720 VA	720 VA			1	20 A	RECEPTACLES: CONF. 2272 & CORRIDOR 2031	10
11	RECEPTACLES: CONFERENCE ROOM 2272	20 A	1					900 VA	900 VA	1	20 A	RECEPTACLES: INTERVIEW 2269 & 2270	12
13	RECEPTACLES: 2021 & 2262	20 A	1	900 VA	1500...					1	20 A	PRINTER/COPIER: 2262	14
15	RECEPTACLES: 2262	20 A	1			540 VA	900 VA			1	20 A	RECEPTACLES: TLTS....	16
17	UC ICE MACHINE: BREAK AREA 3137 (NOTE 1)	20 A	1					600 VA	370 VA	1	20 A	BOTTLE FILLER BREAK RM 2017 (NOTE 1)	18
19	RECEPTACLES: COUNT. BRK RM 2017 (NOTE...	20 A	1	360 VA	0 VA					1	20 A	SPARE	20
21	COFFEE MACHINE: BREAK RM 2017	20 A	1			1500...	720 VA			1	20 A	ELEC FURN: FNS WORK 2262 (NOTE 2)	22
23	ELEC FURN: FNS WORK 2262 (NOTE 2)	20 A	1					720 VA	720 VA	1	20 A	ELEC FURN: FNS WORK 2262 (NOTE 2)	24
25	ELEC FURN: FNS WORK 2262 (NOTE 2)	20 A	1	720 VA	720 VA					1	20 A	ELEC FURN: FNS WORK 2262 (NOTE 2)	26
27	ELEC FURN: FNS WORK 2262 (NOTE 2)	20 A	1			720 VA	720 VA			1	20 A	ELEC FURN: FNS WORK 2262 (NOTE 2)	28
29	ELEC FURN: FNS WORK 2262 (NOTE 2)	20 A	1					720 VA	0 VA	1	20 A	SPARE	30
31	SPARE	20 A	1	0 VA	720 VA					1	20 A	ELEC FURN: FNS WORK 2262 (NOTE 2)	32
33	ELEC FURN: FNS WORK 2262 (NOTE 2)	20 A	1			720 VA	720 VA			1	20 A	ELEC FURN: FNS WORK 2262 (NOTE 2)	34
35	ELEC FURN: FNS WORK 2262 (NOTE 2)	20 A	1					720 VA	720 VA	1	20 A	ELEC FURN: FNS WORK 2262 (NOTE 2)	36
37	ELEC FURN: FNS WORK 2262 (NOTE 2)	20 A	1	720 VA	720 VA					1	20 A	ELEC FURN: FNS WORK 2262 (NOTE 2)	38
39	ELEC FURN: FNS WORK 2262 (NOTE 2)	20 A	1			720 VA	720 VA			1	20 A	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	40
41	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	20 A	1					720 VA	720 VA	1	20 A	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	42
43	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	20 A	1	720 VA	720 VA					1	20 A	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	44
45	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	20 A	1			720 VA	720 VA			1	20 A	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	46
47	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	20 A	1					720 VA	1080...	1	20 A	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	48
49	SPARE	20 A	1	0 VA	1080...					1	20 A	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	50
51	SPARE	20 A	1			0 VA	1080...			1	20 A	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	52
53	SPARE	20 A	1					0 VA	1080...	1	20 A	ELEC FURN: MEDICAID WORK 2208 (NOTE 2)	54
55	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	56
57	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	58
59	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	60
			Total Load:	12960 VA		13740 VA		13690 VA					
			Total Amps:	108 A		115 A		115 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	9970 VA	100%	9970 VA		
Receptacle	30420 VA	66%	20210 VA	**Total Conn. Load:**	40390 VA
				Total Est. Demand:	30180 VA
				Total Conn.:	112 A
				Total Est. Demand:	84 A

Notes:
1. GFI CIRCUIT BREAKER.
2. PROVIDE HANDLE TIE FOR ALL CIRCUIT BREAKERS FEEDING ELECTRIFIED FURNITURE.

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLIETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
ELECTRICAL SCHEDULES

SHEET NO. E-608
PROJ. NO. 024370.00

Branch Panel: 4A3P1

Location: ELECT 3020
Supply From: 4NMDP
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 480Y/277
Phases: 3
Wires: 4

A.I.C. Rating: 25,000 AMPS SYMMETRICAL
Mains Type: MAIN CB
Mains Rating: 400 A
MCB Rating: 400 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	TRANSFORMER TA3 (150 KVA) ELECTRICAL...	225 A	3	4719...	1500...					1	20 A	EUH2 STAIR 1 ST1L3	2
3	--	--	--			4639...	1500...			1	20 A	EUH4: STAIR 2 ST2L3	4
5	--	--	--					4374...	1500...	1	20 A	EUH6: STAIR 3 ST3L3	6
7	LTG: EAST	20 A	1	2735...	0 VA					1	20 A	SPARE	8
9	LTG: SOUTH	20 A	1			2761...	0 VA			1	20 A	SPARE	10
11	LTG: NORTH	20 A	1					2935...	0 VA	1	20 A	SPARE	12
13	LTG: PERIMETER OFFICES & RM 3112	20 A	1	2034...	0 VA					1	20 A	SPARE	14
15	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	16
17	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	18
19	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	20
21	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	22
23	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	26
27	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	28
29	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	30
31	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	32
33	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	34
35	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	36
37	SPARE	20 A	1	0 VA	0 VA					3	30 A	SPD	38
39	SPARE	20 A	1			0 VA	0 VA			--	--	--	40
41	SPARE	20 A	1					0 VA	0 VA	--	--	--	42
			Total Load:	53459 VA		50639 VA		48174 VA					
			Total Amps:	194 A		184 A		174 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	7100 VA	100%	7100 VA		
Lighting	10456 VA	125%	13070 VA	**Total Conn. Load:**	152271 VA
Power	26560 VA	100%	26560 VA	**Total Est. Demand:**	105802 VA
Receptacle	108162 VA	55%	59081 VA	**Total Conn.:**	183 A
				Total Est. Demand:	127 A

Notes:

Branch Panel: 2A3R2

Location: ELECT 3020
Supply From: 2A3R1
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120
Phases: 3
Wires: 4

A.I.C. Rating: 10,000 AMPS SYMMETRICAL
Mains Type: MAIN CB
Mains Rating: 200 A
MCB Rating: 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	RECEPTACLES CORR. 3008,3014,3136	20 A	1	720 VA	900 VA					1	20 A	RECEPTACLES: 3104,3108,3110,3112	2
3	RECEPTACLES: PRINT COUNTER 3112	20 A	1			360 VA	1500...			1	20 A	PRINTER/COPIER: 3112	4
5	RECEPTACLES: INTERVIEW ROOM 3106	20 A	1					540 VA	720 VA	1	20 A	RECEPTACLES: INTERVIEW 3105 & 3106	6
7	RECEPTACLES: INTERVIEW ROOM 3105	20 A	1	900 VA	900 VA					1	20 A	RECEPTACLES: CONFERENCE 3103	8
9	RECEPTACLES: CONFERENCE 3103	20 A	1			540 VA	900 VA			1	20 A	RECEPTACLES: WAITING 3100	10
11	RECEPTACLES: RECEPTION 3101	20 A	1					540 VA	1500...	1	20 A	PRINTER/COPIER: WORK ROOM / MAIL 3102	12
13	RECEPTACLES: COUNT.WORK RM / MAIL 3102	20 A	1	540 VA	706 VA					1	20 A	RECEPTACLES: ROOM 3101, 3102	14
15	RECEPTACLES. 3000A,CORR. 3182, 3187	20 A	1			720 VA	720 VA			1	20 A	RECEPTACLES: INTERVIEW ROOM 3180	16
17	RECEPTACLES: INTERVIEW ROOM 3181	20 A	1					1080...	720 VA	1	20 A	RECEPTACLE INTERVIEW ROOM 3181	18
19	RECEPTACLES: VISITATION 2 3186	20 A	1	720 VA	360 VA					1	20 A	RECEPTACLES: SW SPACE 3188	20
21	RECEPTACLES: VISITATION 1 3184	20 A	1			720 VA	1080...			1	20 A	RECEPTACLES: CONFERENCE 3183	22
23	POKE THROUGHS: CONFERENCE 3183	20 A	1					720 VA	180 VA	1	20 A	EWC1: CORR 3008 (NOTE 1)	24
25	RECEPTACLES: TLTS 3009,3010,3012	20 A	1	540 VA	720 VA					1	20 A	RECEPTACLES: TLTS 3001,3002,3004,3006	26
27	ELEC FURN: SW 3165 (NOTE 2)	20 A	1			1152...	1008...			1	20 A	ELEC FURN: SW 3165 (NOTE 2)	28
29	ELEC FURN: SW 3165 (NOTE 2)	20 A	1					1152...	1008...	1	20 A	ELEC FURN: SW 3165 (NOTE 2)	30
31	ELEC FURN: SW 3165 (NOTE 2)	20 A	1	1152...	1008...					1	20 A	ELEC FURN: SW 3165 (NOTE 2)	32
33	ELEC FURN: SW 3165 (NOTE 2)	20 A	1			1152...	1008...			1	20 A	ELEC FURN: SW 3165 (NOTE 2)	34
35	ELEC FURN: SW 3165 (NOTE 2)	20 A	1					1152...	1008...	1	20 A	ELEC FURN: SW 3165 (NOTE 2)	36
37	ELEC FURN: SW 3165 (NOTE 2)	20 A	1	1152...	540 VA					1	20 A	RECEPTACLES: RECEPTION 3101	38
39	ELEC FURN: SW 3165 (NOTE 2)	20 A	1			1152...	540 VA			1	20 A	RECEPTACLES: RECEPTION 3101	40
41	ELEC FURN: SW 3165 (NOTE 2)	20 A	1					1152...	0 VA	1	20 A	SPARE	42
43	ELEC FURN: SW 3165 (NOTE 2)	20 A	1	1152...	0 VA					1	20 A	SPARE	44
45	ELEC FURN: SW 3165 (NOTE 2)	20 A	1			1152...	0 VA			1	20 A	SPARE	46
47	RECEPTACLES: SHELL FUTURE 3200	20 A	1					360 VA	0 VA	1	20 A	SPARE	48
49	DDC HVAC CONTROL POWER CORRIDOR 3176	20 A	1	300 VA	0 VA					1	20 A	SPARE	50
51	DDC HVAC CONTROL POWER CORRIDOR 3014	20 A	1			300 VA	0 VA			1	20 A	SPARE	52
53	DELAYED EGRESS POWER	20 A	1					450 VA	0 VA	1	20 A	SPARE	54
55					0 VA					1	20 A	SPARE	56
57	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	58
59	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	60
			Total Load:	12306 VA		14004 VA		12282 VA					
			Total Amps:	103 A		117 A		102 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	600 VA	100%	600 VA		
Power	3630 VA	100%	3630 VA	**Total Conn. Load:**	38592 VA
Receptacle	34362 VA	65%	22181 VA	**Total Est. Demand:**	26411 VA
				Total Conn.:	107 A
				Total Est. Demand:	73 A

Notes:
1. GFI CIRCUIT BREAKER.
2. PROVIDE HANDLE TIE FOR ALL CIRCUIT BREAKERS FEEDING ELECTRIFIED FURNITURE.

Branch Panel: 2A3R1

Location: ELECT 3020
Supply From: TA3
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120
Phases: 3
Wires: 4

A.I.C. Rating: 10,000 AMPS SYMMETRICAL
Mains Type: MAIN CB
Mains Rating: 600 A
MCB Rating: 500 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	RECEPTACLES: SW PROG MGR 3146	20 A	1	900 VA	720 VA					1	20 A	RECEPTACLES: SW SUP CPS 3144	2
3	RECEPTACLES: SW SUP CPS 3142	20 A	1			720 VA	720 VA			1	20 A	RECEPTACLES: OFFICE 3140	4
5	RECEPTACLES: CONFERENCE 3135	20 A	1					1080...	720 VA	1	20 A	POKE THROUGHS: CONFERENCE 3135	6
7	RECEPTACLES SW - SUP QA 3131	20 A	1	900 VA	720 VA					1	20 A	RECEPTACLES: SW FUTURE 3130	8
9	RECEPTACLES: SW-SUP FUTURE 3128	20 A	1			720 VA	720 VA			1	20 A	RECEPTACLES: SW-SUP 3126	10
11	RECEPTACLES: SW-PROG MGR 3124	20 A	1					720 VA	900 VA	1	20 A	RECEPTACLES: 3014 & 3112	12
13	RECEPTACLES: SW-SUP 3122	20 A	1	900 VA	900 VA					1	20 A	RECEPTACLES: SW-SUP 3121	14
15	RECEPTACLES: SW-SUP 3120	20 A	1			900 VA	900 VA			1	20 A	RECEPTACLES: SW-SUP 3118	16
17	RECEPTACLES: SW-FUTURE 3116	20 A	1					900 VA	1500...	1	20 A	PRINTER/COPIER: CORR 3074	18
19	RECEPTACLES: PRINT COUNTER CORR. 3074	20 A	1	540 VA	900 VA					1	20 A	RECEPTACLES SW-FUTURE	20
21	ELEC FURN: SW 3112 (NOTE 1)	20 A	1			1152...	1152...			1	20 A	ELEC FURN: SW 3112 (NOTE 1)	22
23	ELEC FURN: SW 3112 (NOTE 1)	20 A	1					1152...	1152...	1	20 A	ELEC FURN: SW 3112 (NOTE 1)	24
25	ELEC FURN: SW 3112 (NOTE 1)	20 A	1	1152...	1152...					1	20 A	ELEC FURN: SW 3112 (NOTE 1)	26
27	ELEC FURN: SW 3112 (NOTE 1)	20 A	1			1152...	1152...			1	20 A	ELEC FURN: SW 3112 (NOTE 1)	28
29	ELEC FURN: SW 3112 (NOTE 1)	20 A	1					1152...	1152...	1	20 A	ELEC FURN: SW 3112 (NOTE 1)	30
31	ELEC FURN: SW 3112 (NOTE 1)	20 A	1	1152...	1152...					1	20 A	ELEC FURN: SW 3112 (NOTE 1)	32
33	ELEC FURN: SW 3112 (NOTE 1)	20 A	1			1152...	1152...			1	20 A	ELEC FURN: SW 3112 (NOTE 1)	34
35	ELEC FURN: SW 3112 (NOTE 1)	20 A	1					1152...	1152...	1	20 A	ELEC FURN: SW 3112 (NOTE 1)	36
37	ELEC FURN: SW 3112 (NOTE 1)	20 A	1	1152...	1152...					1	20 A	ELEC FURN: SW 3112 (NOTE 1)	38
39	ELEC FURN: SW 3112 (NOTE 1)	20 A	1			1152...	1152...			1	20 A	ELEC FURN: SW 3112 (NOTE 1)	40
41	VAV CTRL PWR: VAV1-3-02,03,04,05,06,09,13	20 A	1					700 VA	700 VA	1	20 A	VAV CTRL PWR: VAV1-3-01,07,08,10,11,12,14	42
43	RECEPTACLES: ELECTRICAL 3020	20 A	1	540 VA	300 VA					1	20 A	VAV CTRL PWR: VAV2-3-03A, 030B, 03C	44
45	VAV CTRL PWR: VAV2-3-01,02,15 VAV1-3-15	20 A	1			300 VA	0 VA			1	20 A	SPARE	46
47	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	48
49	SPARE	20 A	1	0 VA	0 VA					3	30 A	SPD	50
51	SPARE	20 A	1			0 VA	0 VA			--	--	--	52
53	SPARE	20 A	1					0 VA	0 VA	--	--	--	54
55	PANEL 2A3R2 ELECT 3020	200 A	3	1230...	2065...					3	200 A	PANEL 2A3R3 ELECTRICAL 3020	56
57	--	--	--			1400...	1819...			--	--	--	58
59	--	--	--					1228...	1732...	--	--	--	60
			Total Load:	47190 VA		46392 VA		43740 VA					
			Total Amps:	397 A		390 A		364 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	2600 VA	100%	2600 VA		
Power	26560 VA	100%	26560 VA	**Total Conn. Load:**	137322 VA
Receptacle	108162 VA	55%	59081 VA	**Total Est. Demand:**	88241 VA
				Total Conn.:	381 A
				Total Est. Demand:	245 A

Notes:
1. PROVIDE HANDLE TIE FOR ALL CIRCUIT BREAKERS FEEDING ELECTRIFIED FURNITURE.

Branch Panel: 2A3R3

Location: ELECT 3020
Supply From: 2A3R1
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120
Phases: 3
Wires: 4

A.I.C. Rating: 10,000 AMPS SYMMETRICAL
Mains Type: MAIN CB
Mains Rating: 200 A
MCB Rating: 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	COFFEE MACHINE: BREAK AREA 3137	20 A	1	1500...	1500...					1	20 A	COFFEE MACHINE: BREAK AREA 3137	2
3	UC ICE MACHINE: BREAK AREA 3137 (NOTE 1)	20 A	1			600 VA	540 VA			1	20 A	RECEPTACLES: COUNTER BREAK AREA 3137	4
5	MICROWAVE: BREAK AREA 3137 (NOTE 1)	20 A	1					1500...	1500...	1	20 A	MICROWAVE: BREAK AREA 3137 (NOTE 1)	6
7	REFRIGERATOR: BREAK AREA 3137 (NOTE 1)	20 A	1	1500...	1500...					1	20 A	REFRIGERATOR: BREAK AREA 3137 (NOTE 1)	8
9	RECEPTACLE PRINTER ALCOVE 3139	20 A	1			540 VA	1500...			1	20 A	RECEPTACLE PRINTER ALCOVE 3139	10
11	RECEPTACLES: SW SUP 3141	20 A	1					900 VA	900 VA	1	20 A	RECEPTACLES: SW SUP 3150	12
13	RECEPTACLES: SW SUP 3152	20 A	1	900 VA	900 VA					1	20 A	RECEPTACLE: SW SUP 3156	14
15	RECEPTACLES: SW SUP 3158	20 A	1			900 VA	900 VA			1	20 A	RECEPTACLES: APS SUP 3160	16
17	RECEPTACLES: HEALTH ED 3161	20 A	1					900 VA	900 VA	1	20 A	RECEPTACLES: OFFICE 3162	18
19	RECEPTACLES: SW SUP 3154	20 A	1	900 VA	180 VA					1	20 A	RECEPTACLE: ELEVATOR SHAFT ELEV 1&2	20
21	RECEPTACLES: 3168,3172	20 A	1			540 VA	900 VA			1	20 A	RECEPTACLES: 3165	22
23	COFFEE MACHINE: BREAK RM 3203	20 A	1					1500...	360 VA	1	20 A	RECEPTACLES: COUNTER BREAK RM 3203	24
25	UC ICE MACHINE: BREAK RM 3203 (NOTE 1)	20 A	1	600 VA	1500...					1	20 A	MICROWAVE: BREAK RM 3203 (NOTE 1)	26
27	MICROWAVE: BREAK RM 3203 (NOTE 1)	20 A	1			1500...	1500...			1	20 A	REFRIGERATOR: BREAK RM 3203 (NOTE 1)	28
29	BOTTLE FILLER BREAK RM 3203 (NOTE 1)	20 A	1					370 VA	720 VA	1	20 A	RECEPTACLES: BREAK RM 3203	30
31	RECEPTACLE: J CL 3021	20 A	1	180 VA	1620...					1	20 A	RECEPTACLES: 3164 3176	32
33	PRINTER/COPIER: PRINT ALCOVE 3175	20 A	1			1500...	360 VA			1	20 A	RECEPTACLES: COUNTER PRINT ALCOVE...	34
35	RECEPTACLES: CLINICIAN 3174	20 A	1					900 VA	900 VA	1	20 A	RECEPTACLES: ROOM 3173	36
37	ELEC FURN: SW 3165 (NOTE 2)	20 A	1	1008...	1500...					1	20 A	COFFEE MACHINE: BREAK RM 3203	38
39	ELEC FURN: SW 3165 (NOTE 2)	20 A	1			1008...	1152...			1	20 A	ELEC FURN: APS 3167 (NOTE 2)	40
41	ELEC FURN: SW 3165 (NOTE 2)	20 A	1					1008...	1152...	1	20 A	ELEC FURN: APS 3167 (NOTE 2)	42
43	ELEC FURN: SW 3165 (NOTE 2)	20 A	1	1008...	1152...					1	20 A	ELEC FURN: APS 3167 (NOTE 2)	44
45	ELEC FURN: SW 3165 (NOTE 2)	20 A	1			1008...	1152...			1	20 A	ELEC FURN: APS 3167 (NOTE 2)	46
47	ELEC FURN: CARE TEAM 3172 (NOTE 2)	20 A	1					1152...	1152...	1	20 A	ELEC FURN: APS 3167 (NOTE 2)	48
49	ELEC FURN: CARE TEAM 3172 (NOTE 2)	20 A	1	1152...	720 VA					1	20 A	ELEC FURN: CARE TEAM 3172 (NOTE 2)	50
51	ELEC FURN: CARE TEAM 3172 (NOTE 2)	20 A	1			1152...	720 VA			1	20 A	ELEC FURN: CARE TEAM 3172 (NOTE 2)	52
53	ELEC FURN: CARE TEAM 3172 (NOTE 2)	20 A	1					1152...	360 VA	1	20 A	BOTTLE FILLER: LOBBY 3000 (NOTE 1)	54
55	ELEC FURN: CARE TEAM 3172 (NOTE 2)	20 A	1	1152...	180 VA					1	20 A	RECEPTACLE: ELEVATOR SHAFT ELEV 3	56
57	RECS: LIT MIRRORS 3009, 3006 (NOTE 1)	20 A	1			720 VA	0 VA			1	20 A	SPARE	58
59									0 VA	1	20 A	SPARE	60
			Total Load:	20652 VA		18192 VA		17326 VA					
			Total Amps:	173 A		153 A		144 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	21430 VA	100%	21430 VA		
Receptacle	34740 VA	64%	22370 VA	**Total Conn. Load:**	56170 VA
				Total Est. Demand:	43800 VA
				Total Conn.:	156 A
				Total Est. Demand:	122 A

Notes:
1. GFI CIRCUIT BREAKER.
2. PROVIDE HANDLE TIE FOR ALL CIRCUIT BREAKERS FEEDING ELECTRIFIED FURNITURE.

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLIETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
ELECTRICAL SCHEDULES

SHEET NO. E-609
PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

Branch Panel: 4A4P1

Location: ELECTRICAL 4001 | **Supply From:** 4NMDP | **Mounting:** SURFACE | **Enclosure:** NEMA 1
Volts: 480Y/277 | **Phases:** 3 | **Wires:** 4
A.I.C. Rating: 30,000 AMPS SYMMETRICAL | **Mains Type:** MAIN CB | **Mains Rating:** 400 A | **MCB Rating:** 400 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	ELEC. RANGE JB1: KITCHEN 4267 (NOTE 1)	30 A	3	6097...	3880...					3	20 A	ELEC. RANGE JB2: KITCHEN 4267 (NOTE 1)	2
3	--	--	--			6097...	3880...			--	--	--	4
5	--	--	--					6097...	3880...	--	--	--	6
7	TRANSFORMER TA4 (112.5KVA) ELECTRICAL...	175 A	3	3236...	2383...					3	20 A	ELEVATOR #2 (SHUNT TRIP)	8
9	--	--	--			2851...	2383...			--	--	--	10
11	--	--	--					2988...	2383...	--	--	--	12
13	ELEVATOR #1 (SHUNT TRIP)	20 A	3	2383...	--					1	--	SPACE	14
15	--	--	--			2383...	0 VA			1	20 A	SPARE	16
17	--	--	--					2383...	0 VA	1	20 A	SPARE	18
19	SPACE	--	1	--	0 VA					1	20 A	SPARE	20
21	LTG: SOUTH	20 A	1			2982...	0 VA			1	20 A	SPARE	22
23	LTG: PERIMETER OFFICES	20 A	1					2944...	0 VA	1	20 A	SPARE	24
25	LTG: NORTH	20 A	1	3050...	0 VA					1	20 A	SPARE	26
27	LTG: ROOFTOP	20 A	1			350 VA	0 VA			1	20 A	SPARE	28
29	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	30
31	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	32
33	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	34
35	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	36
37	SPARE	20 A	1	0 VA	0 VA					3	30 A	SPD	38
39	SPARE	20 A	1			0 VA	0 VA			--	--	--	40
41	SPARE	20 A	1					0 VA	0 VA	--	--	--	42
			Total Load:	50154 VA		46555 VA		47569 VA					
			Total Amps:	182 A		168 A		172 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	7797 VA	100%	7797 VA		
Lighting	9295 VA	125%	11619 VA	**Total Conn. Load:**	144276 VA
Power	38436 VA	100%	38436 VA	**Total Est. Demand:**	122785 VA
Receptacle	57626 VA	59%	33813 VA	**Total Conn.:**	174 A
Kitchen Equipment	29930 VA	100%	29930 VA	**Total Est. Demand:**	148 A
Sign	1200 VA	100%	1200 VA		

Notes:
1. SHUNT TRIP CIRCUIT BREAKER.

Branch Panel: 2A4R1

Location: ELECTRICAL 4001 | **Supply From:** TA4 | **Mounting:** SURFACE | **Enclosure:** NEMA 1
Volts: 208Y/120 | **Phases:** 3 | **Wires:** 4
A.I.C. Rating: 10,000 AMPS SYMMETRICAL | **Mains Type:** MAIN CB | **Mains Rating:** 400 A | **MCB Rating:** 400 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	RECEPTACLES: DSS DIRECTOR 4242	20 A	1	720 VA	1080...					1	20 A	RECEPTACLES: 4236 & 4242	2
3	RECEPTACLES: DSS DEPUTY DIRECTOR 4233	20 A	1			900 VA	900 VA			1	20 A	RECEPTACLES: DSS DEPUTY DIR. 4233	4
5	RECEPTACLES: DSS OFF. MANAGER 4228	20 A	1					900 VA	900 VA	1	20 A	RECEPTACLES: HEALTH OFF. MANAGER 4227	6
7	RECEPTACLES: OFFICE 4229	20 A	1	900 VA	1260...					1	20 A	RECEPTACLES: HHS DIRECTOR 4220	8
9	RECEPTACLES: FUTURE 4218	20 A	1			900 VA	900 VA			1	20 A	RECEPTACLES: FUTURE 4216	10
11	RECEPTACLES: FUTURE 4214	20 A	1					900 VA	900 VA	1	20 A	RECEPTACLES: FUTURE 4212	12
13	RECEPTACLES: ACCOUNT TECH II 4208	20 A	1	900 VA	900 VA					1	20 A	RECEPTACLES: ACCOUNT TECH II 4206	14
15	RECEPTACLES: ACCOUNT TECH II 4205	20 A	1			900 VA	900 VA			1	20 A	RECEPTACLES: ACCOUNT TECH III 4204	16
17	RECEPTACLES: ACCOUNT TECH II 4203	20 A	1					900 VA	900 VA	1	20 A	RECEPTACLES: DSS ACCOUNT 4202	18
19	RECEPTACLES: DSS ACCOUNT 4222	20 A	1	900 VA	900 VA					1	20 A	RECEPTACLES: ACCOUNT TECH II	20
21	RECEPTACLES: FUTURE 4211	20 A	1			900 VA	900 VA			1	20 A	RECEPTACLES: FUTURE 4224	22
23	RECEPTACLES: FUTURE 4260	20 A	1					900 VA	900 VA	1	20 A	RECEPTACLES: FUTURE 4261	24
25	RECEPTACLES: CORR 4210 & 4266, STOR 4201	20 A	1	720 VA	180 VA					1	20 A	EWC: CORR 4014 (NOTE 1)	26
27	RECEPTACLES: TLT 4010,4012,4013	20 A	1			540 VA	720 VA			1	20 A	RECEPTACLES: TLT 4006,4008,4009,4011	28
29	RECEPTACLES: ELECTRICAL 4001	20 A	1					540 VA	720 VA	1	20 A	RECEPTACLES: LOBBY 4005	30
31	RECEPTACLES: ROOMS 4266, 4230, 4014	20 A	1	720 VA	0 VA					1	20 A	SPARE	32
33	RECEPTACLE LARGE MEETING ROOM 4100	20 A	1			360 VA	0 VA			1	20 A	SPARE	34
35	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	36
37	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	38
39	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	40
41	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	42
43	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	44
45	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	46
47	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	48
49	SPARE	20 A	1	0 VA	0 VA					3	30 A	SPD	50
51	SPARE	20 A	1			0 VA	0 VA			--	--	--	52
53	SPARE	20 A	1					0 VA	0 VA	--	--	--	54
55	PANELBOARD 2A4R2	150 A	3	1052...	1266...					3	150 A	PANELBOARD 2A4R3	56
57	--	--	--			7919...	1181...			--	--	--	58
59	--	--	--					1088...	1053...	--	--	--	60
			Total Load:	32363 VA		28516 VA		29882 VA					
			Total Amps:	271 A		238 A		251 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	7797 VA	100%	7797 VA		
Power	24136 VA	100%	24136 VA	**Total Conn. Load:**	90759 VA
Receptacle	57626 VA	59%	33813 VA	**Total Est. Demand:**	66946 VA
Sign	1200 VA	100%	1200 VA	**Total Conn.:**	252 A
				Total Est. Demand:	186 A

Notes:
1. GFI CIRCUIT BREAKER.

Branch Panel: 2A4R2

Location: ELECTRICAL 4001 | **Supply From:** 2A4R1 | **Mounting:** SURFACE | **Enclosure:** NEMA 1
Volts: 208Y/120 | **Phases:** 3 | **Wires:** 4
A.I.C. Rating: 10,000 AMPS SYMMETRICAL | **Mains Type:** MAIN CB | **Mains Rating:** 150 A | **MCB Rating:** 150 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	COFFEE MACHINE: BREAK ROOM 4231	20 A	1	1500...	1500...					1	20 A	COFFEE MACHINE: BREAK ROOM 4231	2
3	RECEPTACLES: COUNTER BREAK ROOM 4231	20 A	1			540 VA	180 VA			1	20 A	UC ICE MACHINE: BREAK ROOM 4231 (NOTE 1)	4
5	MICROWAVE: BREAK ROOM 4231 (NOTE 1)	20 A	1					1500...	1500...	1	20 A	MICROWAVE: BREAK ROOM 4231 (NOTE 1)	6
7	REFRIGERATOR: BREAK ROOM 4231 (NOTE 1)	20 A	1	1500...	1500...					1	20 A	REFRIGERATOR: BREAK ROOM 4231 (NOTE 1)	8
9	RECEPTACLES: LARGE MEETING ROOM 4200	20 A	1			1260...	300 VA			1	20 A	PROJECTOR SCREENI LRG. MTG. ROOM 4200	10
11	POKE THROUGHS:LARGE MEETING ROOM...	20 A	1					1440...	1440...	1	20 A	POKE THROUGHS:LARGE MEETING ROOM...	12
13	RECEPTACLES: 4239,4249,4258,4269	20 A	1	720 VA	720 VA					1	20 A	RECEPTACLES: 4016,4240,4265	14
15	RECEPTACLES: CONFERENCE 4244	20 A	1			1056...	720 VA			1	20 A	POKE THROUGHS: CONFERENCE 4244	16
17	RECEPTACLES: PARALEGAL 4251	20 A	1					900 VA	900 VA	1	20 A	RECEPTACLES: PARALEGAL 4253	18
19	RECEPTACLES: FUTURE 4263	20 A	1	1080...	900 VA					1	20 A	RECEPTACLES: PARALEGAL 4255	20
21	RECEPTACLES: LEGAL CONF. RM 4259	20 A	1			1260...	1440...			1	20 A	POKE THROUGHS:LARGE MEETING ROOM...	22
23	POKE THROUGHS:LARGE MEETING ROOM...	20 A	1					1440...	1440...	1	20 A	POKE THROUGHS:LARGE MEETING ROOM...	24
25	VAV CTRL PWR: VAV3-4-03,07,08,12,26	20 A	1	500 VA	600 VA					1	20 A	VAV CTRL PWR: VAV3-4-01,02,04,05,06,09	26
27	ELEVATOR #1 CAB LIGHTING DISC. 4002	20 A	1			600 VA	600 VA			1	20 A	ELEVATOR #2 CAB LIGHTING DISC. 4002	28
29	RECEPTACLE LARGE MEETING ROOM 4200	20 A	1					360 VA	--	1	--	SPACE	30
31	SPARE	20 A	1	0 VA	--					1	--	SPACE	32
33	SPARE	20 A	1			0 VA	--			1	--	SPACE	34
35	SPARE	20 A	1					0 VA	--	1	--	SPACE	36
37	SPARE	20 A	1	0 VA	--					1	--	SPACE	38
39	SPARE	20 A	1			0 VA	--			1	--	SPACE	40
41	SPARE	20 A	1					0 VA	--	1	--	SPACE	42
43	SPARE	20 A	1	0 VA	--					1	--	SPACE	44
45	SPARE	20 A	1			0 VA	--			1	--	SPACE	46
47	SPARE	20 A	1					0 VA	--	1	--	SPACE	48
49	SPARE	20 A	1	0 VA	--					1	--	SPACE	50
51	SPARE	20 A	1			0 VA	--			1	--	SPACE	52
53	SPARE	20 A	1					0 VA	--	1	--	SPACE	54
55	SPARE	20 A	1	0 VA	--					1	--	SPACE	56
57	SPARE	20 A	1			0 VA	--			1	--	SPACE	58
59	SPARE	20 A	1					0 VA	--	1	--	SPACE	60
			Total Load:	10520 VA		7919 VA		10885 VA					
			Total Amps:	91 A		66 A		94 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	1100 VA	100%	1100 VA		
Power	10651 VA	100%	10651 VA	**Total Conn. Load:**	29321 VA
Receptacle	17571 VA	78%	13785 VA	**Total Est. Demand:**	25536 VA
				Total Conn.:	81 A
				Total Est. Demand:	71 A

Notes:
1. GFI CIRCUIT BREAKER.

Branch Panel: 2A4R3

Location: ELECTRICAL 4001 | **Supply From:** 2A4R1 | **Mounting:** SURFACE | **Enclosure:** NEMA 1
Volts: 208Y/120 | **Phases:** 3 | **Wires:** 4
A.I.C. Rating: 10,000 AMPS SYMMETRICAL | **Mains Type:** MAIN CB | **Mains Rating:** 150 A | **MCB Rating:** 150 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	RECEPTACLES: DSS BUS OFFICER 4243	20 A	1	900 VA	900 VA					1	20 A	RECEPTACLES: FUTURE 4246	2
3	RECEPTACLES: FUTURE 4248	20 A	1			900 VA	900 VA			1	20 A	RECEPTACLES: FUTURE 4250	4
5	RECEPTACLES: FUTURE 4252	20 A	1					900 VA	900 VA	1	20 A	RECEPTACLES: ATTORNEY 4254	6
7	RECEPTACLES: DSS ATTORNEY 4256	20 A	1	900 VA	1080...					1	20 A	RECEPTACLES: DINING 4262	8
9	RECEPTACLES: BARTOP DINING 4262	20 A	1			720 VA	1500...			1	20 A	COFFEE MACHINE: DINING 4262	10
11	COFFEE MACHINE: DINING 4262	20 A	1					1500...	1500...	1	20 A	MICROWAVE: DINING 4262 (NOTE 1)	12
13	MICROWAVE: DINING 4262 (NOTE 1)	20 A	1	1500...	1500...					1	20 A	VENDING: DINING 4262 (NOTE 1)	14
15	VENDING: DINING 4262 (NOTE 1)	20 A	1			1500...	1500...			1	20 A	VENDING: DINING 4262 (NOTE 1)	16
17	REFRIGERATOR: KITCHEN 4267 (NOTE 1)	20 A	1					384 VA	384 VA	1	20 A	REFRIGERATOR: KITCHEN 4267 (NOTE 1)	18
19	REFRIGERATOR: KITCHEN 4267 (NOTE 1)	20 A	1	384 VA	540 VA					1	20 A	RECEPTACLES: DINING 4262	20
21	UC ICE MACHINE: KITCHEN 4267 (NOTE 1)	20 A	1			600 VA	360 VA			1	20 A	RECEPTACLES: KITCHEN 4267	22
23	RECEPTACLES: KITCHEN 4267	20 A	1					360 VA	1576...	1	20 A	WARMING CABINET: KITCHEN 4267 (NOTE 1)	24
25	RECEPTACLE: KITCHEN ISLAND 4267	20 A	1	600 VA	360 VA					1	20 A	RECEPTACLES: COUNTER 4267	26
27	RECEPTACLE: ELEVATOR SHAFT EL1&2	20 A	1			180 VA	180 VA			1	20 A	RECEPTACLE: ELEVATOR SHAFT EL3	28
29	KEF-1 (ON ROOF) VIA HOOD CONTROL PANEL	30 A	3					263 VA	0 VA	1	20 A	SPARE	30
31	--	--	--	263 VA	720 VA					1	20 A	RECS: LIT MIRROR 4012, 4011 (NOTE 1)	32
33	--	--	--			263 VA	360 VA			1	30 A	HOT FOOD TABLE DINING 4262 (NOTE 1)	34
35	RECEPTACLE: JANITOR CLOSET 4002	20 A	1					180 VA	1200...	1	20 A	BUILDING MOUNTED EXTERIOR SIGN	36
37	RECEPTACLES: ROOF	20 A	1	900 VA	915 VA					2	20 A	PV3 (ON ROOF)	38
39	PV4 (ON ROOF)	20 A	2			790 VA	915 VA			--	--	--	40
41	--	--	--					790 VA	0 VA	1	20 A	SPARE	42
43	KIT. HOOD CONTROL PANEL/LTG KITCHEN...	20 A	1	600 VA	0 VA					1	20 A	SPARE	44
45	PV5 (ON ROOF)	20 A	1			696 VA	0 VA			1	20 A	SPARE	46
47	DDC HVAC CONTROL POWER CORR 4021	20 A	1					600 VA	0 VA	1	20 A	SPARE	48
49	DDC HVAC CONTROL POWER CORR 4007	20 A	1	600 VA	0 VA					1	20 A	SPARE	50
51	DELAYED EGRESS POWER	20 A	1			450 VA	0 VA			1	20 A	SPARE	52
53									0 VA	1	20 A	SPARE	54
55	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	56
57	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	58
59	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	60
			Total Load:	12663 VA		11815 VA		10537 VA					
			Total Amps:	107 A		100 A		88 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	6697 VA	100%	6697 VA		
Power	13306 VA	100%	13306 VA	**Total Conn. Load:**	35015 VA
Receptacle	13812 VA	86%	11906 VA	**Total Est. Demand:**	33109 VA
Sign	1200 VA	100%	1200 VA	**Total Conn.:**	97 A
				Total Est. Demand:	92 A

Notes:
1. GFI CIRCUIT BREAKER.

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLIETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY NORTH CAROLINA

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
ELECTRICAL SCHEDULES

SHEET NO. E-610
PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

Branch Panel: 4B4P1

Location: ELEC 4025 | **Volts:** 480Y/277 | **A.I.C. Rating:** 25,000 AMPS SYMMETRICAL
Supply From: 4NMDP | **Phases:** 3 | **Mains Type:** MAIN CB
Mounting: SURFACE | **Wires:** 4 | **Mains Rating:** 200 A
Enclosure: NEMA 1 | **MCB Rating:** 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	TRANSFORMER TB4 (30KVA) ELECTRICAL...	50 A	3	9583...	0 VA					1	20 A	SPARE	2
3	--	--	--			8520...	0 VA			1	20 A	SPARE	4
5	--	--	--					9252...	0 VA	1	20 A	SPARE	6
7	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	8
9	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	10
11	LTG: SOUTH	20 A	1					1682...	0 VA	1	20 A	SPARE	12
13	LTG: NORTH	20 A	1	1549...	0 VA					1	20 A	SPARE	14
15	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	16
17	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	18
19	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	20
21	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	22
23	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	26
27	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	28
29	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	30
31	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	32
33	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	34
35	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	36
37	SPARE	20 A	1	0 VA	0 VA					3	30 A	SPD	38
39	SPARE	20 A	1			0 VA	0 VA			--	--	--	40
41	SPARE	20 A	1					0 VA	0 VA	--	--	--	42
			Total Load:	11126 VA		8520 VA		10913 VA					
			Total Amps:	41 A		31 A		41 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	3229 VA	125%	4036 VA		
Power	12955 VA	100%	12955 VA	**Total Conn. Load:**	30557 VA
Receptacle	14400 VA	85%	12200 VA	**Total Est. Demand:**	29159 VA
				Total Conn.:	37 A
				Total Est. Demand:	35 A

Notes:

Branch Panel: 4E4P1

Location: ELEC 4025 | **Volts:** 480Y/277 | **A.I.C. Rating:** 25,000 AMPS SYMMETRICAL
Supply From: 4EMDP | **Phases:** 3 | **Mains Type:** MAIN CB
Mounting: SURFACE | **Wires:** 4 | **Mains Rating:** 200 A
Enclosure: NEMA 1 | **MCB Rating:** 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	TRANSFORMER TB4E (45KVA) ELECTRICAL...	70 A	3	1462...	4129...					3	35 A	ELEVATOR #3 (SHUNT TRIP)	2
3	--	--	--			1371...	4129...			--	--	--	4
5	--	--	--					1483...	4129...	--	--	--	6
7	LTG: ELEVATOR #3 HOISTWAY	20 A	1	460 VA	0 VA					1	20 A	SPARE	8
9	LTG: EOC	20 A	1			2985...	0 VA			1	20 A	SPARE	10
11	LTG: EOC	20 A	1					2418...	0 VA	1	20 A	SPARE	12
13	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	14
15	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	16
17	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	18
19	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	20
21	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	22
23	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	26
27	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	28
29	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	30
31	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	32
33	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	34
35	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	36
37	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	38
39	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	40
41	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	42
			Total Load:	18774 VA		20820 VA		21351 VA					
			Total Amps:	68 A		76 A		78 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	2000 VA	100%	2000 VA		
Lighting	5449 VA	125%	6811 VA	**Total Conn. Load:**	60888 VA
Power	26908 VA	100%	26908 VA	**Total Est. Demand:**	53914 VA
Receptacle	26722 VA	69%	18361 VA	**Total Conn.:**	73 A
				Total Est. Demand:	65 A

Notes:

Branch Panel: 2A2RE

Location: IT- MDF ROOM 2117 | **Volts:** 208Y/120 | **A.I.C. Rating:** 10,000 AMPS SYMMETRICAL
Supply From: TA2E | **Phases:** 3 | **Mains Type:** MAIN CB
Mounting: SURFACE | **Wires:** 4 | **Mains Rating:** 150 A
Enclosure: NEMA 1 | **MCB Rating:** 150 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	RECEPTACLES: WALLS IDF 4022	20 A	1	720 VA	1920...					1	20 A	RECEPTACLE: RACK L5-20R IT- MDF ROOM...	2
3	JUNCTION BOXES: IDF ROOM 1206	20 A	1			1440...	1920...			1	20 A	RECEPTACLE: RACK L5-20R IT- MDF ROOM...	4
5	RECEPTACLE: RACK L5-20R IDF 4022	20 A	1					1920...	1920...	1	20 A	RECEPTACLE: RACK L5-20R IDF 4022	6
7	RECEPTACLE: RACK L5-20R IT- MDF ROOM...	20 A	1	1920...	720 VA					1	20 A	RECEPTACLES: WALLS IDF ROOM 1206	8
9	RECEPTACLE: RACK L5-20R IT- MDF ROOM...	20 A	1			1920...	720 VA			1	20 A	RECEPTACLES: WALLS IT 3138	10
11	RECEPTACLE: RACK L5-20R IDF 4022	20 A	1					1920...	720 VA	1	20 A	RECEPTACLES: WALLS IT- MDF ROOM 2117	12
13	JUNCTION BOXES: WALLS IDF 4022	20 A	1	1440...	1920...					1	20 A	RECEPTACLE: RACK L5-20R IT 3138	14
15	JUNCTION BOXES: WALLS IT 3138	20 A	1			1440...	1920...			1	20 A	RECEPTACLE: RACK L5-20R IT 3138	16
17	JUNCTION BOXES: WALLS IT- MDF ROOM 2117	20 A	1					1440...	1920...	1	20 A	RECEPTACLE: RACK L5-20R IT 3138	18
19	RECEPTACLE: RACK L5-20R IDF ROOM 1206	20 A	1	1920...	0 VA					1	20 A	SPARE	20
21	RECEPTACLE: RACK L5-20R IDF ROOM 1206	20 A	1			1920...	0 VA			1	20 A	SPARE	22
23	RECEPTACLE: RACK L5-20R IDF ROOM 1206	20 A	1					1920...	0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	26
27	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	28
29	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	30
31	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	32
33	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	34
35	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	36
37	SPD	30 A	3	0 VA	0 VA					1	20 A	SPARE	38
39	--	--	--			0 VA	0 VA			1	20 A	SPARE	40
41	--	--	--					0 VA	0 VA	1	20 A	SPARE	42
			Total Load:	10435 VA		11063 VA		11633 VA					
			Total Amps:	87 A		93 A		98 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	5760 VA	100%	5760 VA		
Receptacle	27840 VA	68%	18920 VA	**Total Conn. Load:**	33119 VA
				Total Est. Demand:	24234 VA
				Total Conn.:	92 A
				Total Est. Demand:	67 A

Notes:

Branch Panel: GEN

Location: | **Volts:** 208Y/120 | **A.I.C. Rating:** 25,000 AMPS SYMMETRICAL
Supply From: TGEN | **Phases:** 3 | **Mains Type:** MAIN CB
Mounting: SURFACE | **Wires:** 4 | **Mains Rating:** 100 A
Enclosure: NEMA 3R | **MCB Rating:** 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	GENERATOR BATTERY CHARGER	25 A	3	2000...	2500...					3	40 A	GENERATOR BLOCK HEATER	2
3	--	--	--			2000...	2500...			--	--	--	4
5	--	--	--					2000...	2500...	--	--	--	6
7	LIGHTING	20 A	1	112 VA	2500...					3	30 A	GENERATOR ALTERNATOR HEATER	8
9	RECEPTACLES: SCREEN WALL	20 A	1			540 VA	2500...			--	--	--	10
11	SPARE	20 A	1					0 VA	2500...	--	--	--	12
13	SPARE	20 A	1	0 VA	1500...					1	20 A	GENERATOR ENCLOSURE HEATER	14
15	SPARE	20 A	1			0 VA	1500...			1	20 A	GENERATOR ENCLOSURE HEATER	16
17	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	18
19	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	20
21	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	22
23	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	26
27	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	28
29	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	30
31	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	32
33	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	34
35	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	36
37	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	38
39	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	40
41	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	42
			Total Load:	8612 VA		9040 VA		7000 VA					
			Total Amps:	74 A		77 A		58 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	112 VA	125%	140 VA		
Receptacle	540 VA	100%	540 VA	**Total Conn. Load:**	24652 VA
Spare	24000 VA	100%	24000 VA	**Total Est. Demand:**	24680 VA
				Total Conn.:	68 A
				Total Est. Demand:	69 A

Notes:

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLIETTI 4/2/2026

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
ELECTRICAL SCHEDULES

SHEET NO. PROJ. NO. 024370.00

E-611

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

Branch Panel: 2B4R1

Location: ELEC 4025	**Volts:** 208Y/120	**A.I.C. Rating:** 14,000 AMPS SYMMETRICAL	
Supply From: TB4	**Phases:** 3	**Mains Type:** MAIN CB	
Mounting: SURFACE	**Wires:** 4	**Mains Rating:** 100 A	
Enclosure: NEMA 1		**MCB Rating:** 100 A	

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	RECEPTACLES: LARGE MEETING ROOM 4100	20 A	1	900 VA	900 VA					1	20 A	RECEPTACLES: LARGE MEETING ROOM 4100	2
3	POKE THROUGHS: LARGE MTG ROOM 4100	20 A	1			1440...	1440...			1	20 A	POKE THROUGHS: LARGE MTG ROOM 4100	4
5	POKE THROUGHS: LARGE MTG ROOM 4100	20 A	1					1440...	1440...	1	20 A	POKE THROUGHS: LARGE MTG ROOM 4100	6
7	POKE THROUGHS: LARGE MTG ROOM 4100	20 A	1	1440...	300 VA					1	20 A	PROJECTOR SCREEN: LRG. MTG. ROOM 4100	8
9	RECEPTACLES: LOUNGE AREA 4186	20 A	1			1080...	360 VA			1	20 A	POKE THROUGHS: LOUNGE AREA 4186	10
11	RECEPTACLES: 4184 & 4185	20 A	1					720 VA	360 VA	1	20 A	RECEPTACLES: 4180 & 4181	12
13	RECEPTACLES: 4176 & 4178	20 A	1	360 VA	720 VA					1	20 A	RECEPTACLES: 4007,4105,4110,4182	14
15	RECEPTACLES: 4007 & 4172	20 A	1			720 VA	540 VA			1	20 A	RECEPTACLES: 4110,4115,4127	16
17	CLOTHES DRYER LAUNDRY 4103 (NOTE 1)	30 A	2					2496...	2496...	2	30 A	CLOTHES DRYER LAUNDRY 4103 (NOTE 1)	18
19	--	--	--	2496...	2496...					--	--	--	20
21	CLOTHES WASHER LAUNDRY 4103 (NOTE 1)	20 A	1			1200...	1200...			1	20 A	CLOTHES WASHER LAUNDRY 4103 (NOTE 1)	22
23	SPARE	20 A	1					0 VA	300 VA	1	20 A	DELAYED EGRESS POWER	24
25	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	26
27	RECEPTACLES: ELEC 4025	20 A	1			540 VA	0 VA			1	20 A	SPARE	28
29	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	30
31	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	32
33	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	34
35	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	36
37	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	38
39	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	40
41	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	42
			Total Load:	9583 VA		8520 VA		9252 VA					
			Total Amps:	81 A		71 A		78 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	12955 VA	100%	12955 VA		
Receptacle	14400 VA	85%	12200 VA	**Total Conn. Load:**	27354 VA
				Total Est. Demand:	25154 VA
				Total Conn.:	76 A
				Total Est. Demand:	70 A

Notes:
1. GFI CIRCUIT BREAKER.

Branch Panel: 2E4R1

Location: ELEC 4025	**Volts:** 208Y/120	**A.I.C. Rating:** 14,000 AMPS SYMMETRICAL	
Supply From: TB4E	**Phases:** 3	**Mains Type:** MAIN CB	
Mounting: SURFACE	**Wires:** 4	**Mains Rating:** 225 A	
Enclosure: NEMA 1		**MCB Rating:** 150 A	

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	PRINTER: BREAK -OUT CONF 4168	20 A	1	1500...	900 VA					1	20 A	RECEPTACLES: BREAK -OUT CONF 4168	2
3	POKE THROUGHS: BREAK -OUT CONF 4168	20 A	1			0 VA	900 VA			1	20 A	RECEPTACLES: OFFICE FIRE ADMIN 4166	4
5	RECEPTACLES: OFFICE EM DEP. 4164	20 A	1					900 VA	900 VA	1	20 A	RECEPTACLES: OFF. ADMIN 4162	6
7	RECEPTACLES: OFFICE EM DIR. 4158	20 A	1	1260...	900 VA					1	20 A	RECEPTACLES: OFFICE PLANNER 4153	8
9	RECEPTACLES: OFFICE PLANNER 4153	20 A	1			900 VA	900 VA			1	20 A	RECEPTACLES: OFFICE PLANNER 4152	10
11	RECEPTACLES: OFFICE LOGISTICS 4136	20 A	1					900 VA	900 VA	1	20 A	RECEPTACLES: OFFICE 4128	12
13	RECEPTACLES: OFFICE 4128	20 A	1	1080...	1080...					1	20 A	RECEPTACLES: FUTURE OFF 4126	14
15	RECEPTACLES: 4115 & 4120	20 A	1			720 VA	1000...			1	20 A	VAV CTRL PWR:...	16
17	VAV CTRL PWR:...	20 A	1					1000...	600 VA	1	30 A	ELEVATOR #3 LIGHTING 4300	18
19	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	20
21	SPARE	20 A	1			0 VA	1500...			1	20 A	PLOTTER: PRINTER 4139	22
23	PRINTER: PRINTER 4139	20 A	1					1500...	360 VA	1	20 A	RECEPTACLES: PRINTER 4139	24
25	RECEPTACLES: CORRIDOR 4160	20 A	1	540 VA	180 VA					1	20 A	RECEPTACLE: FUTURE EQ. COFFEE NOOK...	26
27	MICROWAVE: COFFEE NOOK 4155 (NOTE 1)	20 A	1			1500...	360 VA			1	20 A	RECEPTACLES: COUNTER COFFEE NOOK...	28
29	COFFEE MACHINE: COFF. NOOK 4155 (NOTE 1)	20 A	1					1500...	600 VA	1	20 A	UC ICE MACHINE: COFFEE NOOK 4155 (NOT...	30
31	REFRIGERATOR: COFFEE NOOK 4155 (NOTE...	20 A	1	1500...	0 VA					1	20 A	SPARE	32
33	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	34
35	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	36
37	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	38
39	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	40
41	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	42
43	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	44
45	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	46
47	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	48
49	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	50
51	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	52
53	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	54
55	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	56
57	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	58
59	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	60
			Total Load:	8940 VA		7780 VA		9160 VA					
			Total Amps:	76 A		65 A		78 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	2000 VA	100%	2000 VA		
Power	10200 VA	100%	10200 VA	**Total Conn. Load:**	25880 VA
Receptacle	13680 VA	87%	11840 VA	**Total Est. Demand:**	24040 VA
				Total Conn.:	72 A
				Total Est. Demand:	67 A

Notes:
1. GFI CIRCUIT BREAKER.

Branch Panel: 2E4R2

Location: IDF ROOM 4024	**Volts:** 208Y/120	**A.I.C. Rating:** 14,000 AMPS SYMMETRICAL	
Supply From: TB4E	**Phases:** 3	**Mains Type:** MAIN CB	
Mounting: SURFACE	**Wires:** 4	**Mains Rating:** 100 A	
Enclosure: NEMA 1		**MCB Rating:** 100 A	

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	RECEPTACLE: RACK L5-20R IDF ROOM 4024	20 A	1	1920...	1920...					1	20 A	RECEPTACLE: RACK L5-20R IDF ROOM 4024	2
3	RECEPTACLES: WALLS IDF ROOM 4024	20 A	1			720 VA	1440...			1	20 A	JUNCTION BOXES: WALLS IDF ROOM 4024	4
5	RECEPTACLE: RACK L5-20R IDF ROOM 2252	20 A	1					1920...	1920...	1	20 A	RECEPTACLE: RACK L5-20R IDF ROOM 2252	6
7	RECEPTACLES: WALLS IDF ROOM 2252	20 A	1	720 VA	1440...					1	20 A	JUNTION BOXES: WALLS IDF ROOM 2252	8
9	RECEPTACLE: RACK L5-20R IDF 1426	20 A	1			1920...	1920...			1	20 A	RECEPTACLE: RACK L5-20R IDF 1426	10
11	RECEPTACLES: WALLS IDF 1426	20 A	1					720 VA	1440...	1	20 A	JUNCTION BOXES: WALLS IDF 1426	12
13	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	14
15	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	16
17	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	18
19	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	20
21	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	22
23	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	26
27	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	28
29	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	30
31	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	32
33	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	34
35	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	36
37	SPD	30 A	3	0 VA	0 VA					1	20 A	SPARE	38
39	--	--	--			0 VA	0 VA			1	20 A	SPARE	40
41	--	--	--					0 VA	0 VA	1	20 A	SPARE	42
			Total Load:	5890 VA		5936 VA		5890 VA					
			Total Amps:	49 A		49 A		49 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	4320 VA	100%	4320 VA		
Receptacle	13401 VA	87%	11700 VA	**Total Conn. Load:**	17548 VA
				Total Est. Demand:	15854 VA
				Total Conn.:	49 A
				Total Est. Demand:	44 A

Notes:

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLIETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR, BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
ELECTRICAL SCHEDULES

SHEET NO. E-612
PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

Branch Panel: UPS

Location: IPS/ IT 4137
Supply From: UPS EOC
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120
Phases: 3
Wires: 4

A.I.C. Rating: 25,000 AMPS SYMMETRICAL
Mains Type: MAIN CB
Mains Rating: 200 A
MCB Rating: 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	SPARE	20 A	1	0 VA	1500...					1	20 A	PRINTER: AMATEUR RADIO 4116	2
3	RECEPTACLES: AMATEUR RADIO 4116	20 A	1			720 VA	900 VA			1	20 A	RECEPTACLES: CALL CENTER 4114	4
5	RECEPTACLES: CALL CENTER 4114	20 A	1					1080...	1080...	1	20 A	RECEPTACLES: CALL CENTER 4114	6
7	RECEPTACLES: JIC BREAKOUT 4112	20 A	1	1080...	1080...					1	20 A	FLOOR BOXES: JIC BREAKOUT 4112	8
9	PRINTER: JIC BREAKOUT 4112	20 A	1			1500...	1080...			1	20 A	RECEPTACLES: EOC 4111	10
11	RECEPTACLES: EOC 4111	20 A	1					720 VA	1500...	1	20 A	PRINTER: EOC 4111	12
13	RECEPTACLES: COUNTER EOC 4111	20 A	1	1080...	720 VA					1	20 A	RECEPTACLES: EOC 4111	14
15	RECEPTACLES: EOC 4111	20 A	1			1080...	720 VA			1	20 A	FLOOR BOXES: EOC 4111	16
17	FLOOR BOXES: EOC 4111	20 A	1					720 VA	720 VA	1	20 A	FLOOR BOXES: EOC 4111	18
19	FLOOR BOXES: EOC 4111	20 A	1	720 VA	720 VA					1	20 A	FLOOR BOXES: EOC 4111	20
21	FLOOR BOXES: EOC 4111	20 A	1			720 VA	720 VA			1	20 A	FLOOR BOXES: EOC 4111	22
23	FLOOR BOXES: EOC 4111	20 A	1					720 VA	720 VA	1	20 A	FLOOR BOXES: EOC 4111	24
25	FLOOR BOXES: EOC 4111	20 A	1	720 VA	1500...					1	20 A	PRINTER: BREAK OUT CONF. 4113	26
27	RECEPTACLES: BREAK OUT CONF. 4113	20 A	1			1080...	720 VA			1	20 A	POKE THROUGHS: BREAK OUT CONF. 4113	28
29	RECEPTACLES & PT: BREAK OUT CONF. 4113	20 A	1					900 VA	720 VA	1	20 A	POKE THROUGHS: BREAK OUT CONF. 4113	30
31	PRINTER: CONFERENCE 4167	20 A	1	1500...	720 VA					1	20 A	RECEPTACLES & FLOOR BOX: CONF. 4167	32
33	FLOOR BOXES: CONFERENCE 4167	20 A	1			720 VA	540 VA			1	20 A	RECEPTACLES: CONFERENCE 4167	34
35	FLOOR BOXES: CONFERENCE 4165	20 A	1					720 VA	900 VA	1	20 A	RECEPTACLES & FLOOR BOXS: CONF. 4165	36
37	RECEPTACLES: CONFERENCE 4165	20 A	1	540 VA	1500...					1	20 A	PRINTER: CONFERENCE 4165	38
39	TELEVISION WALL EOC 4111	20 A	1			1440...	0 VA			1	20 A	SPARE	40
41	TELEVISION WALL EOC 4111	20 A	1					1440...	0 VA	1	20 A	SPARE	42
43	TELEVISION WALL EOC 4111	20 A	1	1440...	0 VA					1	20 A	SPARE	44
45	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	46
47	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	48
49	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	50
51	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	52
53	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	54
55	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	56
57	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	58
59	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	60
		Total Load:		14820 VA		11940 VA		11940 VA					
		Total Amps:		124 A		100 A		100 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	11820 VA	100%	11820 VA		
Receptacle	26880 VA	69%	18440 VA	**Total Conn. Load:**	38700 VA
				Total Est. Demand:	30260 VA
				Total Conn.:	107 A
				Total Est. Demand:	84 A

Notes:

Branch Panel: 2B1R1A

Location: PUMP ROOM 1419
Supply From: 2B1R1
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120
Phases: 3
Wires: 4

A.I.C. Rating: 10,000 AMPS SYMMETRICAL
Mains Type: MAIN CB
Mains Rating: 100 A
MCB Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	B1 & BP1 PUMP ROOM 1419	20 A	1	432 VA	432 VA					1	20 A	B2 & BP2 PUMP ROOM 1419	2
3	B3 & BP3 PUMP ROOM 1419	20 A	1			432 VA	432 VA			1	20 A	B4 & BP4 PUMP ROOM 1419	4
5	CP1 PUMP ROOM 1419	20 A	1					1123...	600 VA	1	20 A	GWH1 PUMP ROOM 1419	6
7	GWH2 PUMP ROOM 1419	20 A	1	600 VA	2005...					3	30 A	HWP2 PUMP ROOM 1419	8
9	HWP1 PUMP ROOM 1419	30 A	3			2005...	2005...			--	--	--	10
11	--	--	--					2005...	2005...	--	--	--	12
13	--	--	--	2005...	1176...					1	20 A	PV1 PUMP ROOM 1419	14
15	RECEPTACLES: PUMP ROOM 1419	20 A	1			540 VA	0 VA			1	20 A	SPARE	16
17	RECEPTACLES: PUMP ROOM 1419	20 A	1					540 VA	506 VA	1	20 A	BP3 PUMP ROOM 1419	18
19	BP4 PUMP ROOM 1419	20 A	1	506 VA	506 VA					1	20 A	BP2 PUMP ROOM 1419	20
21	BP1 PUMP ROOM 1419	20 A	1			506 VA	0 VA			1	20 A	SPARE	22
23	RECEPTACLE: DOMESTIC WATER HOT BOX	20 A	1					1500...	0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	26
27	RECEPTACLE: SPRINKLER WATER HOT BOX	20 A	1			1500...	0 VA			1	20 A	SPARE	28
29	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	30
31	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	32
33	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	34
35	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	36
37	SPARE	20 A	1	0 VA	0 VA					3	30 A	SPD	38
39	SPARE	20 A	1			0 VA	0 VA			--	--	--	40
41	SPARE	20 A	1					0 VA	0 VA	--	--	--	42
		Total Load:		7663 VA		7421 VA		8280 VA					
		Total Amps:		64 A		62 A		69 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	16454 VA	100%	16454 VA		
Motor	506 VA	125%	633 VA	**Total Conn. Load:**	23363 VA
Power	2323 VA	100%	2323 VA	**Total Est. Demand:**	23490 VA
Receptacle	4080 VA	100%	4080 VA	**Total Conn.:**	65 A
				Total Est. Demand:	65 A

Notes:

LIGHTING FIXTURE SCHEDULE

MARK	DESCRIPTION	MANUFACTURER/SERIES	NOM. SIZE	SOURCE / TEMP(oK) / DELIVERED LUMENS	VOLTS	WATTS	LENS	COLOR/ MATERIAL	MOUNTING HEIGHT	DRIVER/ DIMMING	REMARKS
A	LAY-IN VOLUMETRIC FIXTURE	DAYBRITE - FLUXGRID SERIES METALUX - 2CZ2 SERIES LITHONIA LIGHTING - STAK SERIES	2'x 2'x 4"	LEDs / 3500K / 3800 LUMENS	277	32	ACRYLIC	WHITE/ STEEL	RECESSED	LED DRIVER 0-10V DIMMING	
A2	LAY-IN VOLUMETRIC FIXTURE	DAYBRITE - FLUXGRID SERIES METALUX - 24CZ2 SERIES LITHONIA LIGHTING - STAK SERIES	2'x 4'x 4"	LEDs / 3500K / 5400 LUMENS	277	41	ACRYLIC	WHITE/ STEEL	RECESSED	LED DRIVER 0-10V DIMMING	
B4	LINEAR PENDANT ACOUSTIC BAFFLE WITH INTEGRAL OCCUPANCY SENSOR	FINELITE - HP2PD SERIES AXIS LIGHTING - SCDSZ SERIES NULITE - AP1 SERIES	4'	LEDs / 3500K / 405 LM / FT DN	277	37	ACRYLIC	WHITE/ ALUMINUM	PENDANT	LED DRIVER 0-10V DIMMING	
B8	LINEAR PENDANT ACOUSTIC BAFFLE WITH INTEGRAL OCCUPANCY SENSOR	FINELITE - HP2PD SERIES AXIS LIGHTING - SCDSZ SERIES NULITE - AP1 SERIES	8'	LEDs / 3500K / 405 LM / FT DN	277	74	ACRYLIC	WHITE/ ALUMINUM	PENDANT	LED DRIVER 0-10V DIMMING	
C2	RECESSED LINEAR WITH INTEGRAL OCCUPANCY SENSOR	FINELITE - HP2R SERIES AXIS LIGHTING - B2SQRLED SERIES NULITE - RG2 SERIES	2'	LEDs / 3500K / 639LM / FT DN	277	14	ACRYLIC	WHITE/ ALUMINUM	RECESSED	LED DRIVER 0-10V DIMMING	
C4	RECESSED LINEAR WITH INTEGRAL OCCUPANCY SENSOR	FINELITE - HP2R SERIES AXIS LIGHTING - B2SQRLED SERIES NULITE - RG2 SERIES	4'	LEDs / 3500K / 639LM / FT DN	277	27	ACRYLIC	WHITE/ ALUMINUM	RECESSED	LED DRIVER 0-10V DIMMING	
C6	RECESSED LINEAR WITH INTEGRAL OCCUPANCY SENSOR	FINELITE - HP2R SERIES AXIS LIGHTING - B2SQRLED SERIES NULITE - RG2 SERIES	6'	LEDs / 3500K / 639LM / FT DN	277	41	ACRYLIC	WHITE/ ALUMINUM	RECESSED	LED DRIVER 0-10V DIMMING	
C8	RECESSED LINEAR WITH INTEGRAL OCCUPANCY SENSOR	FINELITE - HP2R SERIES AXIS LIGHTING - B2SQRLED SERIES NULITE - RG2 SERIES	8'	LEDs / 3500K / 639LM / FT DN	277	55	ACRYLIC	WHITE/ ALUMINUM	RECESSED	LED DRIVER 0-10V DIMMING	
C10	RECESSED LINEAR WITH INTEGRAL OCCUPANCY SENSOR	FINELITE - HP2R SERIES AXIS LIGHTING - B2SQRLED SERIES NULITE - RG2 SERIES	10'	LEDs / 3500K / 639LM / FT DN	277	68	ACRYLIC	WHITE/ ALUMINUM	RECESSED	LED DRIVER 0-10V DIMMING	
C12	RECESSED LINEAR WITH INTEGRAL OCCUPANCY SENSOR	FINELITE - HP2R SERIES AXIS LIGHTING - B2SQRLED SERIES NULITE - RG2 SERIES	12'	LEDs / 3500K / 639LM / FT DN	277	82	ACRYLIC	WHITE/ ALUMINUM	RECESSED	LED DRIVER 0-10V DIMMING	
D	DOWNLIGHT SELECTABLE LUMEN	LIGHTOLIER - M6RDL SERIES HALO COMMERCIAL - HCD SERIES LITHONIA LIGHTING - LBR6 SERIES	6" DIA.	LEDs / 3500K / 2500 LUMENS	277	25	ACRYLIC	WHITE/ ALUMINUM	RECESSED	LED DRIVER 0-10V DIMMING	
D1	LENSED SHOWER DOWNLIGHT WITH NON CONDUCTIVE HOUSING	LIGHTOLIER - P6R SERIES HALO COMMERCIAL - HC6 SERIES GOTHAM LIGHTING - EVO6SH SERIES	6" DIA.	LEDs / 3500K / 1500 LUMENS	277	15	ACRYLIC	WHITE/ ALUMINUM	RECESSED	LED DRIVER	
E	DUAL HEAD LIGHTING UNIT WITH 90 MINUTE EMERGENCY BATTERY BACKUP	BEGHELLI - BBX SERIES LIGHTALARMS - LCA-2RHL SERIES EELP - EM20.5 SERIES	12"x 5.5"x 4"	LEDs / 600 LUMENS	277	5	POLY- CARBONATE	WHITE/ PLASTIC	WALL MOUNTED 7'-6"	LED DRIVER	
F4	LENSED STRIP FIXTURE	DAYBRITE - SDS4 SERIES METALUX - 4ST2L40SC3 SERIES ETI LIGHTING - SCST SERIES	4'	LEDs / 3500K / 3600 LUMENS	277	26	POLY- CARBONATE FROSTED	WHITE/ METAL	PENDANT	LED DRIVER	
F8	LENSED STRIP FIXTURE	DAYBRITE - SDS4 SERIES METALUX - 8ST2L80SC3 SERIES ETI LIGHTING - SCST SERIES	8'	LEDs / 3500K / 7300 LUMENS	277	53	POLY- CARBONATE FROSTED	WHITE/ METAL	PENDANT	LED DRIVER	
G	VAPORTIGHT STRIP FIXTURE	DAY-BRITE -VAPORLUME LED DW METALUX - 4VT3 SERIES ETI LIGHTING - SLVT SERIES	4'	LEDs / 3500K / 5100 LUMENS	277	46	ACRYLIC	WHITE/ REINFORCED PLASTIC	SURFACE MOUNTED	LED DRIVER DIMMING 0-10V	
H	EMERGENCY WALLPACK WITH 90 MINUTE EMERGENCY BATTERY BACKUP	BEGHELLI - MURO SERIES LUMARK - XTOR2B SERIES EELP - WP62 SERIES	9"x 3.5"x 3"	LEDs / 4000K / 1500 LUMENS	277	17	POLY- CARBONATE	BLACK/ ALUMINUM	WALL MOUNTED 9'-0"	LED DRIVER	6, 7
J	ABOVE MIRROR VANITY FIXTURE	KUZCO - PLYMOUTH SERIES DALS LIGHTING - LEDVAN003 SERIES MODERN FORMS - WS-W81625 SERIES	2'	LEDs / 3500K / 2040 LUMENS	277	26	POLY- CARBONATE FROSTED	CHROME/ ALUMINUM	WALL MOUNTED	LED DRIVER	6, 7
K	WALL MOUNTED LINEAR WITH UP AND DOWN LIGHT	FINELITE - HP4WM SERIES CORELITE - SQW-F SERIES NULITE - RW44 SERIES	4'	LEDs / 3500K / 428LM FT UP /721LM FT DN	277	42	ACRYLIC FROSTED	WHITE/ ALUMINUM	WALL MOUNTED 9'-6"	LED DRIVER	6, 7
L1	EXTERIOR SQUARE DOWNLIGHT	BINA - GO2 SERIES LUMENWERX - AE3SR SERIES INTER-LUX - WG-7SSPTDL SERIES	3" DIA.	LEDs / 4000K / 1600 LUMENS	277	20	SOFT FOCUS	BLACK/ ALUMINUM	RECESSED IN CANOPY	LED DRIVER	3, 7
L2	EXTERIOR UP AND DOWN LIGHT	FC LIGHTING - FCC400 SERIES HALO COMMERCIAL - HCC4 SERIES ABOVE ALL LIGHTING - GID SERIES	21"	LEDs / 4000K / 1000LM UP / 1500LM DN	277	38	TEMPERED GLASS	BLACK/ ALUMINUM	WALL MOUNTED	LED DRIVER	3, 7
L3	EXTERIOR ADJUSTABLE FLOODLIGHT SELECTABLE LUMEN & KELVIN	STONCO - SLIMFLOOD SERIES HALO - GFL SERIES LITHONIA LIGHTING - ESXF3 SERIES	11"x 10"	LEDs / 4000K / 10600 LUMENS	277	70	POLY- CARBONATE	BLACK/ ALUMINUM	WALL MOUNTED	LED DRIVER	3
P1	DECORATIVE PENDANT COCENTRIC CIRCULAR RINGS	TMS LIGHTING - LUNA ATOM SERIES GLACIER - KIMBERLY 3 TIER SERIES SPI LIGHTING - AIP12165 SERIES	3' DIA. 4' DIA. 5' DIA.	LEDs / 3500K / 18,523 LUMENS	277	204	ACRYLIC		PENDANT	LED DRIVER DIMMING 0-10V	7
P2	DECORATIVE PENDANT SPHERICAL	LIGHTART - CONTOUR BEVEL SERIES LUMENWERX - FOLIA ACOUSTIX SERIES ALW - CRP6 SERIES	21" DIA. 15" H	LEDs / 3500K / 2000 LUMENS	277	20			PENDANT	LED DRIVER DIMMING 0-10V	7
P3	DECORATIVE PENDANT CIRCULAR	LIGHTART - CLOUD SOLID SERIES LUMENWERX - TOGO ACOUSTIX SW SERIES COOLEGE LIGHTING - SKYS SERIES	46" DIA.	LEDs / 3500K / 2000 LUMENS	277	22	WHITE OPAL		PENDANT	LED DRIVER DIMMING 0-10V	7
P5	DECORATIVE PENDANT RECTANGULAR	OCL - SL1S SERIES AXIS - SCULPT PATTERNS SERIES NULITE - RP24 SERIES	8'x 3'	LEDs / 3500K / 800 LM / FT	277	10 W / FT		ALUMINUM	PENDANT	LED DRIVER DIMMING 0-10V	7
P6	DECORATIVE PENDANT SPHERICAL	LIGHTART - CONTOUR COVE SERIES ZANEER - DE1022 SERIES TEGAN LIGHTING - KAQP SERIES	15" DIA.	LEDs / 3500K / 1000 LUMENS	277	10	WHITE OPAL		PENDANT	LED DRIVER DIMMING 0-10V	7
P7	DECORATIVE PENDANT SPHERICAL	TMS LIGHTING - SIYA SERIES CAMMAN - P2850-24 SERIES BROWNLEE - 2672 SERIES	24" DIA.	LEDs / 3500K / 2981 LUMENS	277	40		ALUMINUM	PENDANT	LED DRIVER DIMMING 0-10V	7
U	UNDERCABINET LIGHT	DAY-BRITE - LINCS SERIES HALO - HU30 SERIES JUNO - UCES SERIES	VARIES	LEDs / 3500K / 300 LUMENS / FT	277	8 W / FT		ALUMINUM	SURFACE MOUNTED	LED DRIVER DIMMING 0-10V	
X	EXIT SIGN GREEN LETTERS 90 MINUTE BATTERY BATTERY BACKUP	BEGHELLI - FORMA SERIES SURELITES -TPX SERIES EELP - CA SERIES	12"x 7"x 2"	LED	277	3	ACRYLIC	WHITE/ PLASTIC	WALL MOUNTED	LED DRIVER	
X1	EDGE LIT EXIT SIGN GREEN LETTERS 90 MINUTE BATTERY BACKUP MIRROR BACK	BEGHELLI - OL2 SERIES SURELITES - ARCEL SERIES EELP - EDG SERIES	14"x 7"x 4"	LED	277	3	ACRYLIC	NATURAL/ ALUMINUM	CEILING	LED DRIVER	
X2	EDGE LIT EXIT SIGN GREEN LETTERS 90 MINUTE BATTERY BACKUP MIRROR BACK	BEGHELLI - OL2 SERIES SURELITES - ARCEL SERIES EELP - EDG SERIES	14"x 7"x 4"	LED	277	3	ACRYLIC	NATURAL/ ALUMINUM	WALL MOUNTED	LED DRIVER	

REMARKS:
1. BI-LEVEL SWITCHING
2. DAMP LOCATION
3. WET LOCATION
4. WIREGUARD
5. LED REQUIRED SURGE PROTECTION
6. VERIFY FINAL MOUNTING HEIGHT WITH ARCHITECT
7. FINAL COLOR SELECTION BY ARCHITECT
8. CORRIDOR DISTRIBUTION PATTERN
9. SQUARE DISTRIBUTION PATTERN

GENERAL NOTES:

A. THE CONTRACTOR SHALL VERIFY THE LEAD TIME OF ALL PRODUCTS SPECIFIED IN THIS SCHEDULE AT THE TIME OF PACKAGE QUOTE.

B. DURING THE BID PROCESS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DELIVERY/SCHEDULING ISSUES.

C. NO SUBSTITUTIONS WILL BE ALLOWED DUE TO THE LACK OF COORDINATION OF DELIVERY DATES AND CONSTRUCTION SCHEDULE AFTER BID.

D. ALL EXPEDITED EXPENSES SHALL BE THE RESPONSIBILITY OF THE CONTRACTORS.

E. THE ELECTRICAL CONTRACTOR SHALL RECEIVE APPROVAL FOR ALL LIGHTING FIXTURES FROM THE ARCHITECT/OWNER PRIOR TO PURCHASE AND ROUGH-IN.

F. FIXTURES INSTALLED IN CEILINGS INDICATED ON THE ARCHITECTURAL PLANS AS HAVING INSULATION IN CONTACT WITH THE CEILING SURFACE SHALL BE MANUFACTURER RATED "IC".

G. ALL LIGHTING FIXTURES PENETRATING RATED FLOOR/CEILING ASSEMBLY SHALL BE PROVIDED WITH ACCESSORIES TO MAINTAIN ASSEMBLY FIRE RATING. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

H. "N" ADJACENT TO FIXTURE INDICATES AN UNSWITCHED 24 HOUR NIGHT LIGHT. THE FIXTURE SHALL BE CONNECTED TO THE UNSWITCHED INDICATED CIRCUIT.

I. LED MODULES SHALL BE REPLACEABLE.

J. ALL EXIT AND EMERGENCY FIXTURES SHALL COMPLY WITH NCSBC STANDARDS AND HAVE AUTOMATIC TESTING DEVICES.

K. LED EMERGENCY BATTERY SHALL PROVIDE FULL RATED FIXTURE OUTPUT FOR 90 MINUTES MINIMUM.

L. SEE SPECIFICATIONS SECTIONS 265100 AND 265200 FOR ADDITIONAL REQUIREMENTS.

M. LIGHTING FIXTURES HAVE BEEN SELECTED AND SPECIFIED TO ACHIEVE REQUIRED/DESIRED ILLUMINATION LEVELS AND OTHER CHARACTERISTICS IN THEIR RESPECTIVE AREAS. SPECIFIED FIXTURES HAVE SPECIFIC CHARACTERISTICS WHICH MAY CREATE UNIQUE ILLUMINATION RESULTS ESSENTIAL TO THE PROJECT. LIGHTING FIXTURES PROVIDED SHALL MEET THE ASTHETICS, DETAILS, AND SPECIFICATIONS STATED ABOVE AND IN THE DIVISION 26 SPECIFICATIONS, AND MOUNTING HEIGHTS AND SPACINGS SHOWN ON THE DRAWINGS. ANY DEVIATIONS FROM THE SPECIFIED FIXTURES SHALL DEEM ALL PARTIES IN THE SUPPLY CHAIN AND CONTRACTOR RESPONSIBLE FOR PROVIDING DETAILED COMPARISONS OF THE SPECIFIED FIXTURE AND THE PROPOSED FIXTURE FOR ARCHITECT AND ENGINEER REVIEW IN DETERMINING EQUALITY. PROVIDE COMPLETE POINT BY POINT ILLUMINATION STUDIES FOR ALL SUBSTITUTIONS.

N. SUBSTITUTIONS MAY BE APPROVED BY THE ARCHITECT AND ENGINEER IF THEY ARE JUDGED TO BE EQUAL TO THE SPECIFIED FIXTURES. "EQUAL" MAY INCLUDE, AT THE SOLE DISCRETION OF THE ARCHITECT AND ENGINEER, LENS MATERIAL AND CHARACTERISTICS, COLORS, REFLECTORS, HOUSING MATERIAL AND CONFIGURATION, FINISHES, PHOTOMETRICS, EFFICIENCY, OPTIONS, FUNCTIONALITY, ETC.

O. FIXTURES WITH INTEGRAL OCCUPANCY SENSORS: PROVIDE (1) SENSOR PER STANDALONE FIXTURE. FOR CONTINUOUS RUNS, PROVIDE (1) SENSOR PER 16FT OF LENGTH AND FRACTION THEREOF (E.G., 20FT RUN = 2 SENSORS). COORDINATE INTERNAL WIRING TO ENSURE SENSORS ACTIVATE ALL FIXTURES WITHIN THE CONTINUOUS ROW SEGMENT.

ALL DRAWINGS, SPECIFICATIONS AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED UPON REQUEST AT THE COMPLETION OF THE PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY MCMILLAN PAZDAN SMITH ARCHITECTURE FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNER'S SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO MCMILLAN PAZDAN SMITH ARCHITECTURE. OWNER SHALL INDEMNIFY AND HOLD HARMLESS MCMILLAN PAZDAN SMITH ARCHITECTURE FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
ELECTRICAL SCHEDULES

SHEET NO. E-613
PROJ. NO. 024370.00

FIRE ALARM SYSTEM CONTROL MATRIX

Column key (SYSTEM OUTPUTS):
1 = ACTUATE COMMON ALARM SIGNAL INDICATOR; 2 = ACTUATE NOTIFICATION APPLIANCES; 3 = ACTUATE COMMON TROUBLE SIGNAL INDICATOR; 4 = ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR; 5 = ALARM SIGNAL TO MONITORING SERVICE; 6 = SUPERVISORY SIGNAL TO MONITORING SERVICE; 7 = TROUBLE SIGNAL TO MONITORING SERVICE; 8 = DISPLAY/PRINT CHANGE OF STATUS; 9 = TRANSMIT ALARM SIGNAL TO CENTRAL STATION; 10 = RELEASE MAGNETICALLY HELD DOORS; 11 = RECALL ELEVATORS TO PRIMARY RECALL FLOOR; 12 = RECALL ELEVATORS TO ALTERNATE RECALL FLOOR; 13 = ACTIVATE FIRE HAT SIGNAL; 14 = SIGNAL HVAC CONTROL SYSTEM; 15 = SHUNT TRIP ELEVATOR FEEDER CIRCUIT BREAKER; 16 = DELAYED EGRESS LOCKING SYSTEM AUTOMATIC RELEASE

SYSTEM INPUTS	NOTE	ACTUATE COMMON ALARM SIGNAL INDICATOR	ACTUATE NOTIFICATION APPLIANCES	ACTUATE COMMON TROUBLE SIGNAL INDICATOR	ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR	ALARM SIGNAL TO MONITORING SERVICE	SUPERVISORY SIGNAL TO MONITORING SERVICE	TROUBLE SIGNAL TO MONITORING SERVICE	DISPLAY/PRINT CHANGE OF STATUS	TRANSMIT ALARM SIGNAL TO CENTRAL STATION	RELEASE MAGNETICALLY HELD DOORS	RECALL ELEVATORS TO PRIMARY RECALL FLOOR	RECALL ELEVATORS TO ALTERNATE RECALL FLOOR	ACTIVATE FIRE HAT SIGNAL	SIGNAL HVAC CONTROL SYSTEM	SHUNT TRIP ELEVATOR FEEDER CIRCUIT BREAKER	DELAYED EGRESS LOCKING SYSTEM AUTOMATIC RELEASE
SMOKE DETECTORS		X	X			X			X	X	X				X		X
HEAT DETECTORS		X	X			X			X	X	X				X		X
DUCT MOUNTED SMOKE DETECTORS	4	X	X			X			X	X	X				X		X
COMBINATION SMOKE/CO DETECTORS		X	X			X			X	X	X				X		X
MANUAL PULL STATIONS		X	X			X			X	X	X				X		X
SYSTEM TROUBLE CONDITION				X				X	X								
LOSS OF FACU AC POWER	1			X				X	X								
GROUND FAULT				X				X	X								
SHORT CIRCUIT				X				X	X								
OPEN CIRCUIT				X				X	X								
PRIMARY FLOOR ELEVATOR LOBBY RECALL SMOKE DETECTOR		X	X			X			X	X	X		X		X		X
ALTERNATE FLOOR ELEVATOR LOBBY RECALL SMOKE DETECTOR		X	X			X			X	X	X	X			X		X
ELEVATOR MACHINE ROOM SMOKE DETECTOR	2	X	X			X			X	X	X			X	X		X
ELEVATOR MACHINE ROOM HEAT DETECTOR	2	X	X			X			X	X	X					X	X
ELEVATOR PIT SMOKE DETECTOR	2	X	X			X			X	X	X			X	X		X
ELEVATOR PIT HEAT DETECTOR	2	X	X			X			X	X	X					X	X
SPRINKLER SYSTEM FLOW SWITCH	5	X	X			X			X	X	X				X		X
STANDPIPE FLOW SWITCH	5	X	X			X				X	X						X
FIRE PUMP RUNNING		X	X			X			X	X	X				X		X
EXHAUST HOOD FIRE SUPPRESSION SYSTEM		X	X			X			X	X	X				X		X
FIRE PROTECTION PIPING HEAT TRACE					X		X		X								
SPRINKLER SYSTEM TAMPER SWITCH	3,5				X		X		X								
STANDPIPE TAMPER SWITCH	3,5				X		X		X								
SPRINKLER PRESSURE SWITCH	3,5				X		X		X								
STANDPIPE PRESSURE SWITCH	3,5				X		X		X								
PIV SUPERVISORY	3				X		X		X								
RPZ TAMPER SWITCH (TYP. FOR 2)	3				X		X		X								
RPZ HOT BOX LOW TEMPERATURE	3				X		X		X								
FIRE PUMP CONTROLLER LOW TEMP	3				X		X		X								
FIRE PUMP CONTROLLER LOSS OF PHASE	3				X		X		X								
FIRE PUMP CONTROLLER ON ALTERNATE SOURCE	3				X		X		X								
FIRE PUMP CONTROLLER PHASE REVERSAL	3				X		X		X								
FIRE PUMP TAMPER	3				X		X		X								
JOCKEY PUMP TAMPER	3				X		X		X								
EMERGENCY GENERATOR NOT IN AUTO						X		X									
EMERGENCY GENERATOR LOW FUEL						X		X									
EMERGENCY GENERATOR BATTERY LOW						X		X									
EMERGENCY GENERATOR FAULT						X		X									
TWO-WAY COMMUNICATION TROUBLE CONDITION				X				X	X								

NOTES:
1. ONLY AFTER LOSS OF POWER BETWEEN 1 AND 3 HOURS.
2. ELEVATOR INPUTS AND OUTPUTS ARE TYPICAL FOR EACH ELEVATOR.
3. REFER TO FIRE PROTECTION DRAWINGS FOR SPRINKLER DEVICE LOCATIONS.
4. REFER TO MECHANICAL DRAWINGS FOR DUCT MOUNTED SMOKE DETECTOR LOCATIONS.
5. TYPICAL, QUANTITIES OF DEVICES ARE NOT SHOWN, SEE FIRE PROTECTION DRAWINGS FOR QUANTITIES AND LOCATIONS.

FIRE ALARM LEGEND

SYMBOL	DESCRIPTION
F	FIRE ALARM MANUAL STATION, 48" AFF
F	FIRE ALARM ABORT KILL SWITCH, 48" AFF
K	FIRE DEPT. KNOX BOX, 60" AFF
F 15cd	FIRE ALARM HORN/STROBE DEVICE, 80" AFF, "15cd" INDICATES CANDELA RATING
F	FIRE HORN (ONLY) DEVICE, 80" AFF
F 15cd	FIRE ALARM HORN/STROBE DEVICE, CEILING MOUNTED, "15cd" INDICATES CANDELA RATING
F 15cd	FIRE ALARM STROBE (ONLY) DEVICE, 80" AFF, "15cd" INDICATES CANDELA RATING
F 15cd	FIRE ALARM STROBE (ONLY) CEILING MOUNTED "15cd" INDICATES CANDELA RATING
S F 15cd	FIRE ALARM SPEAKER/STROBE DEVICE, 80" AFF, "15cd" INDICATES CANDELA RATING
S F	FIRE ALARM SPEAKER DEVICE, 80" AFF
S F 15cd	FIRE ALARM SPEAKER/STROBE DEVICE, CEILING MOUNTED, "15cd" INDICATES CANDELA RATING
S F	FIRE ALARM SPEAKER DEVICE, CEILING MOUNTED
F	FIRE ALARM BELL, 80" AFF
F	FIRE ALARM BELL/STROBE, 80" AFF
F	FIRE ALARM CHIME, 80" AFF, "15cd" INDICATES CANDELA RATING
F 15cd	FIRE ALARM CHIME/STROBE, 80" AFF, "15cd" INDICATES CANDELA RATING
	HEAT DETECTOR, CEILING MOUNTED
	SMOKE DETECTOR, CEILING MOUNTED
RC	ELEVATOR RECALL, CEILING MOUNTED
CO	COMBINATION SMOKE & CO DETECTOR, CEILING MOUNTED
	DUCT MOUNTED SMOKE DETECTOR
	DUCT MOUNTED HEAT DETECTOR
	DOOR HOLD OPEN DEVICE BY G.C.
BT BR	FIRE ALARM LINEAR BEAM SMOKE DETECTOR, INSTALLED APPROX. 12" BELOW CEILING, OR PER LISTING. PROVIDE REMOTE TEST/STATUS SWITCH AT 60" AFF BELOW DEVICE
	SPRINKLER FLOW SWITCH
	SPRINKLER TAMPER SWITCH
	LEVEL SWITCH
	PRESSURE SWITCH
T	TEMPERATURE SWITCH
C	FIRE ALARM SYSTEM CONTROL MODULE
R	REMOTE INDICATING DEVICE (RAIL), CEILING MOUNTED
R	REMOTE INDICATING DEVICE (RAIL), WALL MOUNTED
M	MONITOR MODULE
M	MONITOR MODULE, WALL MOUNTED
I	ISOLATION MODULE
C	CONTROL MODULE
C	CONTROL MODULE, WALL MOUNTED
FACP	FIRE ALARM CONTROL PANEL (FACP)
FA REMOTE ANN	FIRE ALARM REMOTE ANNUNCIATOR PANEL
C	GAS VALVE CONTROL MODULE
	END OF LINE RESISTER (EOR)

(SYMBOLS SHOWN FOR REFERENCE ONLY AND MAY NOT IMPLY CONTRACTUAL REQUIREMENTS)

FIRE ALARM SYSTEM NOTES

1. AS A MINIMUM THE FIRE ALARM SYSTEM SHALL INCLUDE DETECTORS, PULL STATIONS, PANEL. STROBES AND SPRINKLER MONITORING WITH FIRE RATED CABLE. THE FIRE ALARM SYSTEM SHALL MEET NFPA REQUIREMENTS, THE NATIONAL ELECTRICAL CODE, THE STATE CODES, AND THE LOCAL BUILDING CODES.
2. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL CABLE, MATERIALS AND EQUIPMENT AS SHOWN ON THE DRAWINGS/OR HEREIN SPECIFIED. ALL SYSTEM COMPONENTS SPECIFIED HEREIN, AS WELL AS THEIR INSTALLATION, SHALL COMPLY WITH APPLICABLE STANDARDS OF THE NATIONAL ELECTRICAL CODE, NATIONAL FIRE PROTECTION ASSOCIATION, AND LOCAL CODES HAVING AUTHORITY. ALL EQUIPMENT SHALL BE UL LISTED FOR FIRE ALARM SYSTEM USE.
3. THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND SHALL BE INSTALLED AND CONNECTED UNDER THE DIRECTION AND SUPERVISION OF A MANUFACTURER'S REPRESENTATIVE. UPON COMPLETION OF INSTALLATION, THE MANUFACTURER'S REPRESENTATIVE SHALL PERFORM ALL OPERATIONAL TESTS AND ADJUSTMENTS AND CERTIFY IN WRITING THAT THE SYSTEM IS PROPERLY INSTALLED AND FUNCTIONS AS SPECIFIED.
4. THE MANUFACTURER'S AUTHORIZED REPRESENTATIVE SHALL PROVIDE SUPERVISION OF FINAL SYSTEM PANEL CONNECTIONS, PERFORM A COMPLETE FUNCTIONAL TEST OF THE SYSTEM, AND A WRITTEN REPORT TO THE CONTRACTOR ATTESTING THE PROPER OPERATION OF THE COMPLETED SYSTEM.
5. ALL WIRING SHALL BE INSTALLED IN COMPLIANCE WITH N.E.C., NFPA 72, ALL STATE AND LOCAL REQUIREMENTS AND IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
6. SLEEVE AND SEAL ALL PENETRATIONS THROUGH FIRE WALLS.
7. THE SMOKE DUCT DETECTOR SHALL BE FURNISHED AND TERMINATED BY THE FIRE ALARM CONTRACTOR, INSTALLED BY THE MECHANICAL CONTRACTOR.
8. IN CORRIDORS WHERE MORE THAN TWO VISIBLE NOTIFICATION APPLIANCES ARE IN ANY FIELD OF VIEW, THEY SHALL FLASH IN SYNCHRONIZATION.
9. FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR MODULES TO SHUTDOWN HVAC EQUIPMENT DURING ALARM CONDITION.
10. PROVIDE (1) 2" CONDUIT FOR A DEDICATED PHONE LINE FOR FIRE PROTECTION DIALER AND BACKUP LINE FROM EXTERIOR CABINET TO FACP.
11. ALL FIRE ALARM WORK AND DEVICES SHALL BE INSTALLED AND TERMINATED BY A NICET LEVEL 2 FIRE ALARM TECHNICIAN.
12. IN THE EVENT OF AN ALARM THERE SHALL BE A "GLOBAL" SHUT DOWN OF ALL AIR HANDLERS.
13. PROVIDE U.L. CERTIFICATION FOR THE SYSTEM AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
14. PROVIDE CONTROL VOLTAGE TO THE SHUNT TRIP CIRCUIT TO SHUT DOWN THE ELEVATOR POWER, IT SHALL BE MONITORED FOR THE PRESENCE OF OPERATING VOLTAGE. LOSS OF VOLTAGE TO THE CONTROL CIRCUIT FOR THE DISCONNECTING MEANS SHALL CAUSE A SUPERVISORY SIGNAL TO BE INDICATED AT THE CONTROL UNIT AND REQUIRE REMOTE ANNUNCIATORS. PER NFPA 72 - 6.16.4.4 (2018)
15. SEE SPECS SECTION 283111 FOR ADDITIONAL DETAILS AND REQUIREMENTS
16. THE DELAY ELECTRONICS OF THE DELAYED EGRESS LOCKING SYSTEM SHALL DEACTIVATE UPON ACTUATION OF THE AUTOMATIC SPRINKLER SYSTEM OR AUTOMATIC FIRE DETECTION SYSTEM, ALLOWING IMMEDIATE, FREE EGRESS.
17. THE DELAY ELECTRONICS OF THE DELAYED EGRESS LOCKING SYSTEM SHALL DEACTIVATE UPON LOSS OF POWER CONTROLLING THE LOCK OR LOCK MECHANISM, ALLOWING IMMEDIATE FREE EGRESS.
18. THE DELAYED EGRESS LOCKING SYSTEM SHALL HAVE THE CAPABILITY OF BEING DEACTIVATED AT THE FIRE ALARM CONTROL PANEL AND OTHER APPROVED LOCATIONS.

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLIETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

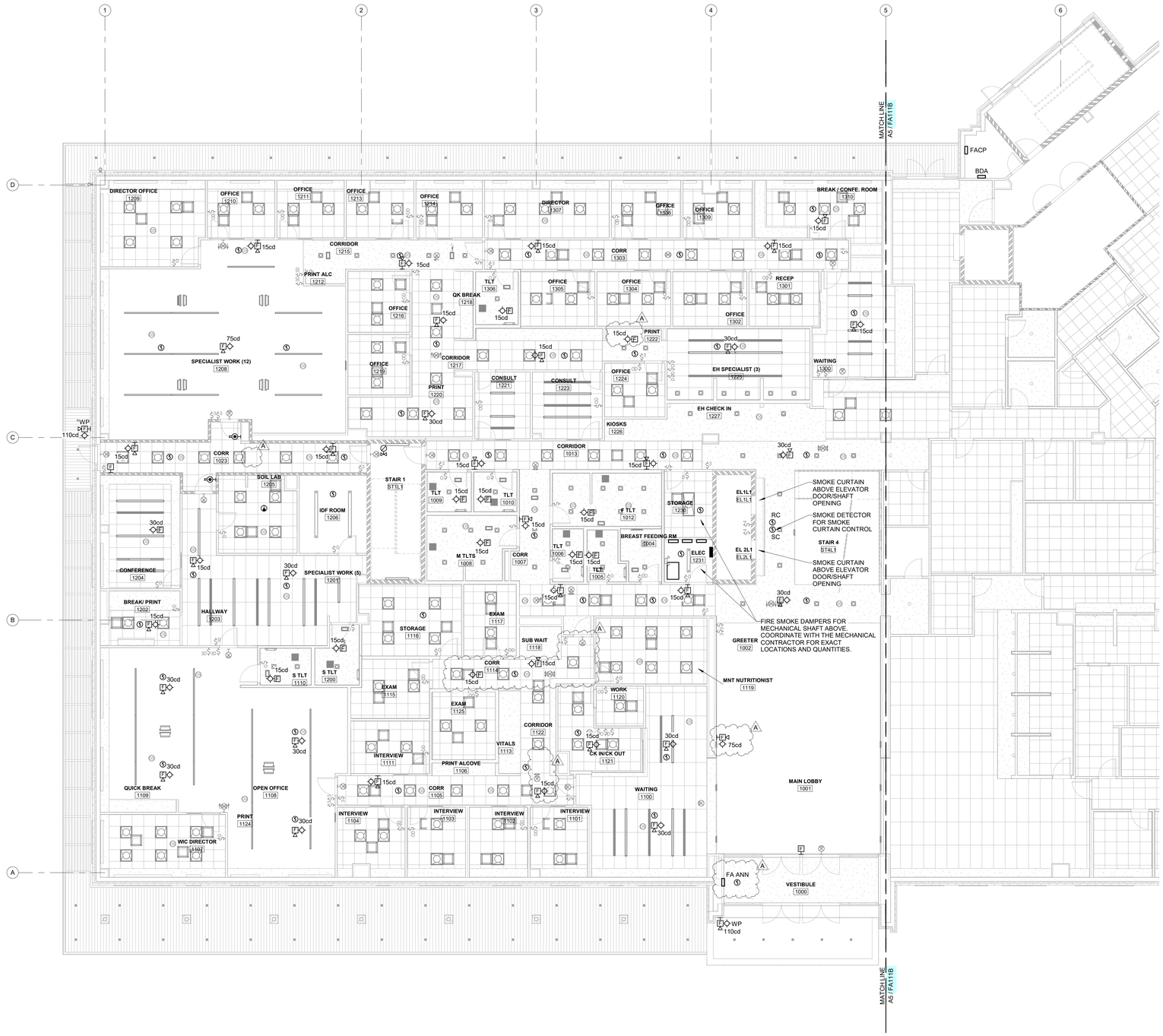
NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
FIRE ALARM GENERAL INFORMATION

SHEET NO. FA001
PROJ. NO. 024370.00

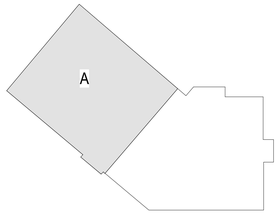
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED



A5 / FA111A **LEVEL 01-FIRE ALARM-AREA A**

1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLIETTI 4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
FIRE ALARM LEVEL 01 - PLAN - AREA A

SHEET NO. PROJ. NO. 024370.00

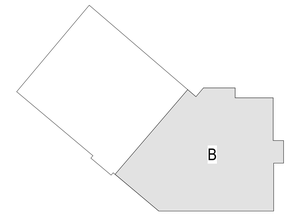
FA111A



A5 FA111B **LEVEL 01-FIRE ALARM-AREA B**

1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLIETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
FIRE ALARM LEVEL 01 - PLAN - AREA B

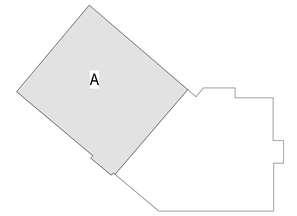
SHEET NO. FA111B
PROJ. NO. 024370.00



A5 FA121A **LEVEL 02-FIRE ALARM-AREA A**

1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLIETTI 4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
FIRE ALARM LEVEL 02 - PLAN - AREA A

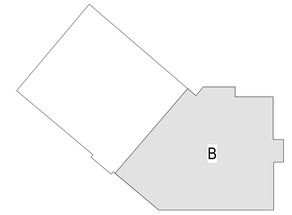
SHEET NO. PROJ. NO. 024370.00

FA121A



A5 FA121B **LEVEL 02-FIRE ALARM-AREA B**
1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLIETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
FIRE ALARM LEVEL 02 - PLAN - AREA B

SHEET NO. PROJ. NO. 024370.00

FA121B

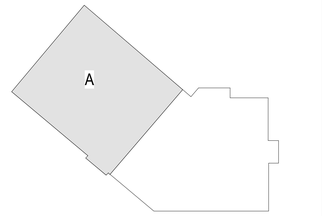
ALL DRAWINGS, SPECIFICATIONS AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED UPON REQUEST AT THE COMPLETION OF THE PROJECT. THE COPYING OR REPRODUCTION OF ANY MATERIAL WHETHER COPYRIGHTED OR NOT, WITHOUT THE WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE, FOR ANY PURPOSE WHATSOEVER IS PROHIBITED. SUBMISSION OR DISTRIBUTION OF THESE DOCUMENTS TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THIS PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS.
ALL RIGHTS RESERVED



A5 FA131A **LEVEL 03-FIRE ALARM-AREA A**

1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLETTI 4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

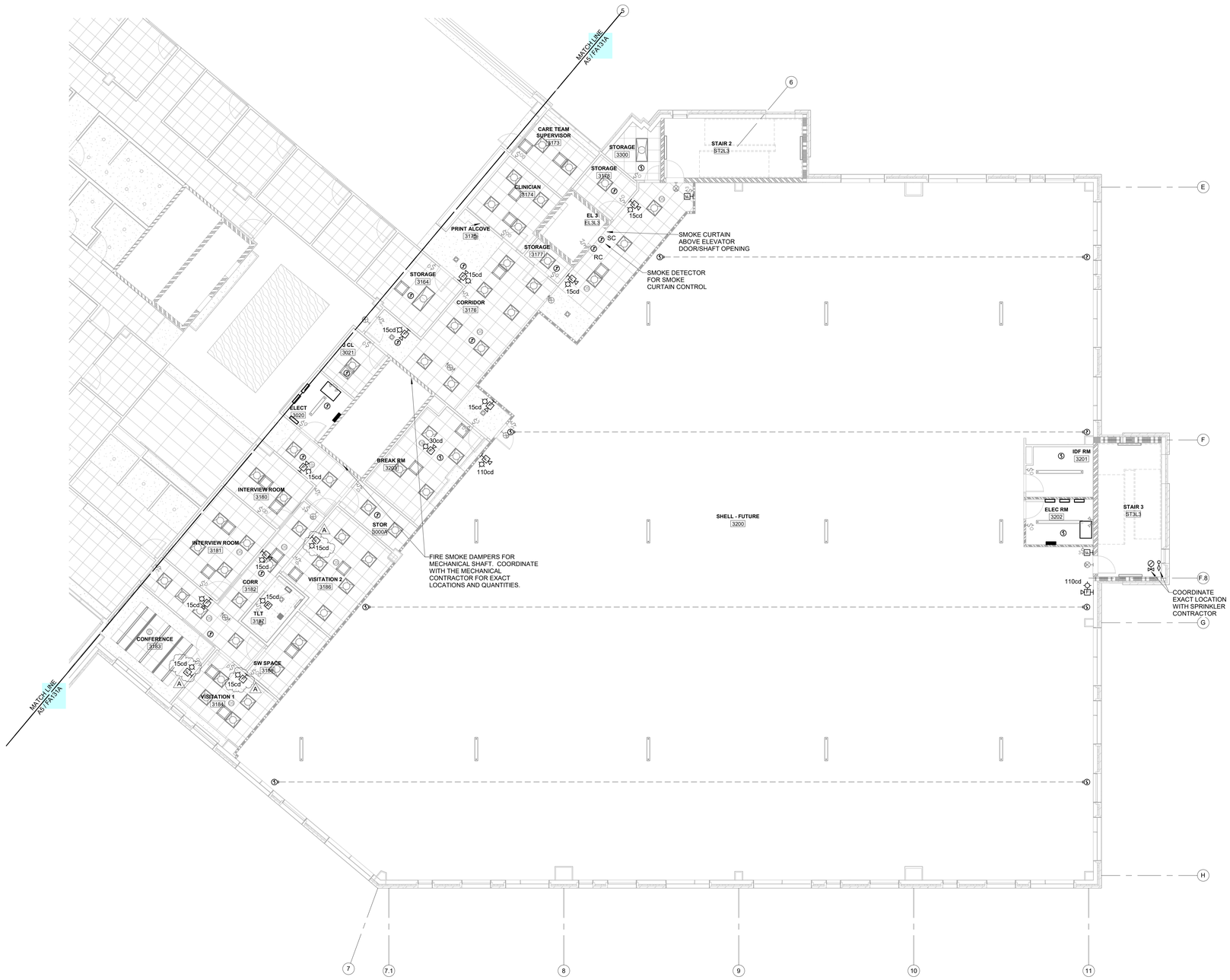
SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

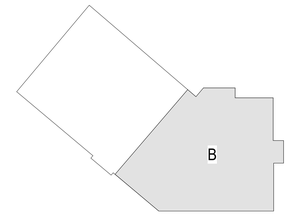
SHEET TITLE:
FIRE ALARM LEVEL 03 - PLAN - AREA A

SHEET NO. FA131A
PROJ. NO. 024370.00



A5 FA131B **LEVEL 03-FIRE ALARM-AREA B**
1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLIETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
FIRE ALARM LEVEL 03 - PLAN - AREA B

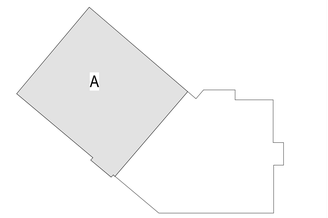
SHEET NO. FA131B
PROJ. NO. 024370.00



A5 FA141A **LEVEL 04-FIRE ALARM-AREA A**

1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 30230 JASON P. FAMIGLETTI 4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
FIRE ALARM LEVEL 04 - PLAN - AREA A

SHEET NO. FA141A
PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY, DESTROYED AT THE COMPLETION OF THE PROJECT. ALL VISUAL CONTACTS WITH THESE DRAWINGS OR REPRODUCTIONS, PUBLICATION OR REVISION, AUTHORIZATION OR USE BY OTHERS, SHALL CONSTITUTE ACCEPTANCE OF THE FOREGOING RESTRICTIONS. ANY UNAUTHORIZED USE, DISCLOSURE OR PUBLICATION MAY BE IN VIOLATION OF COPYRIGHT LAWS.
ALL RIGHTS RESERVED

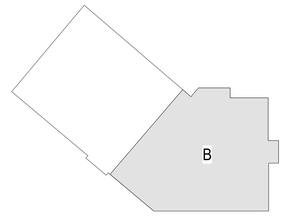
KEYNOTES

1	CONTROL MODULES MUST AUTOMATICALLY STOP ALL ELECTRIC POWER SOURCES THAT HEAT THE PROTECTED EQUIPMENT. FOR EQUIPMENT UNDER THE GALLEY HOOD ELECTRICAL AND PLUMBING DRAWING TO IDENTIFY THE CIRCUITS AND VALVES.



A5 FA141B **LEVEL 04-FIRE ALARM-AREA B**
1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLIETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

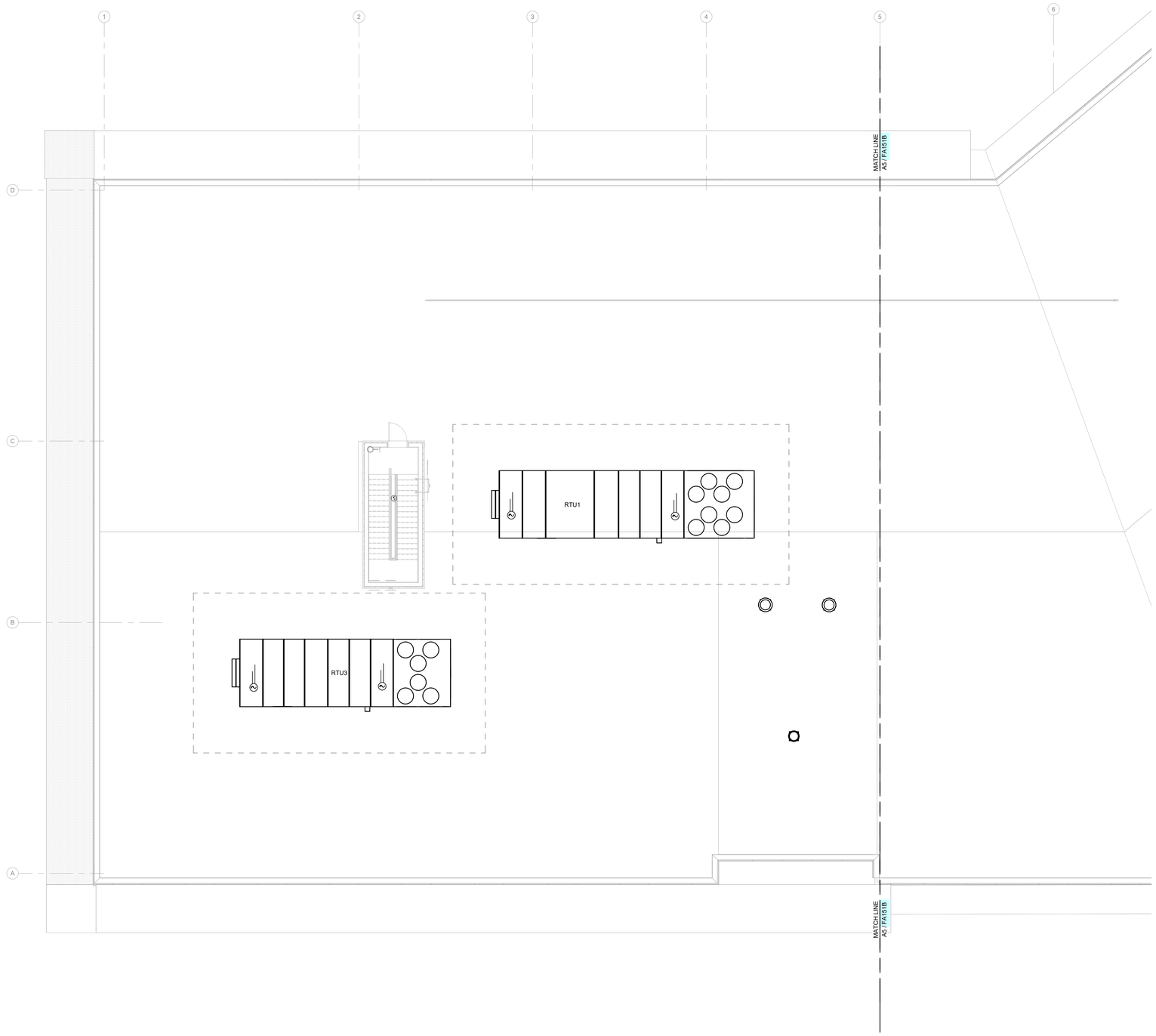
SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

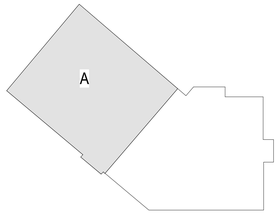
SHEET TITLE:
FIRE ALARM LEVEL 04 - PLAN - AREA B

SHEET NO. FA141B
PROJ. NO. 024370.00



A5 / FA151A **ROOF-FIRE ALARM-AREA A**
1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLIETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

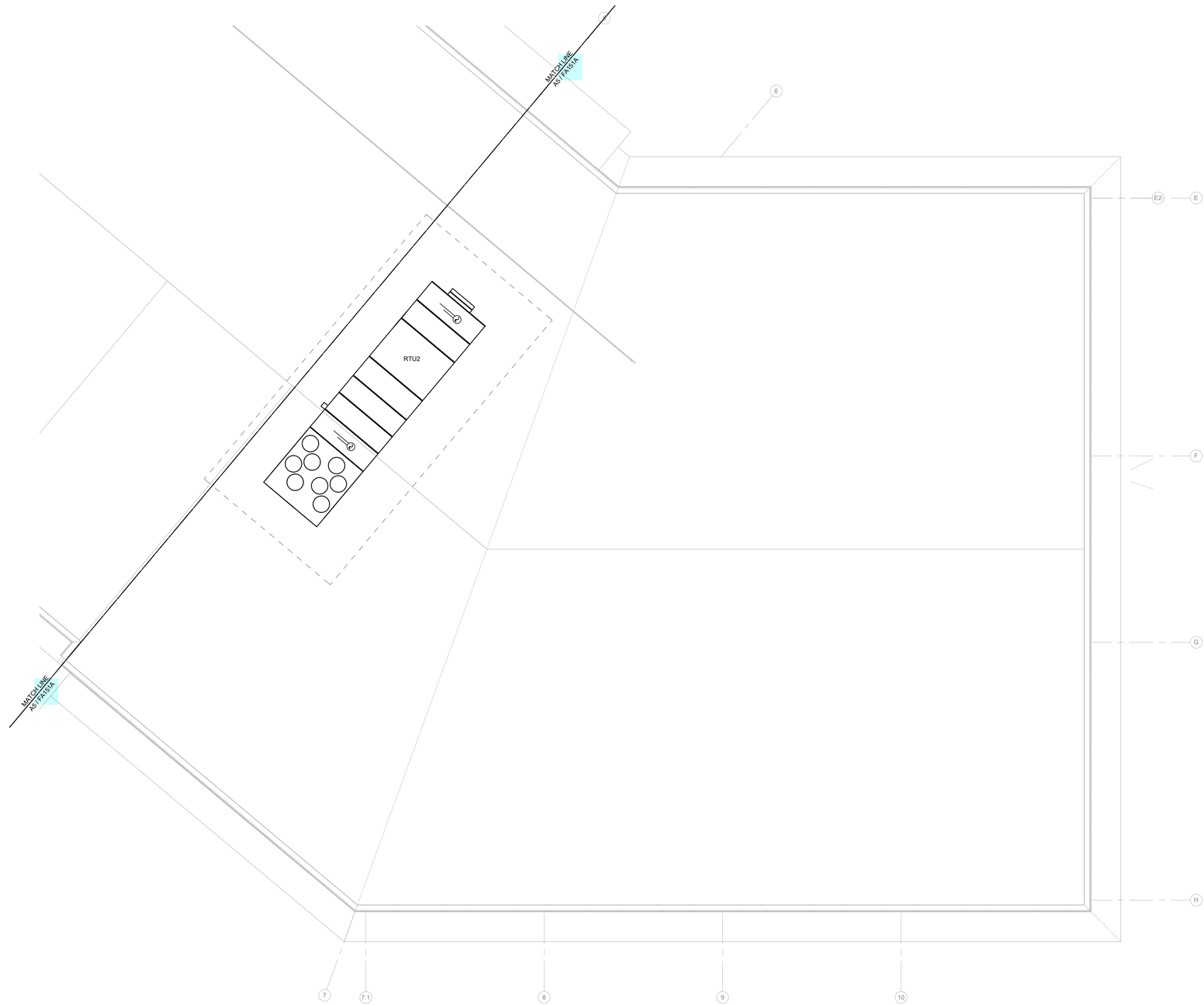
PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
FIRE ALARM ROOF - PLAN - AREA A

SHEET NO. PROJ. NO. 024370.00

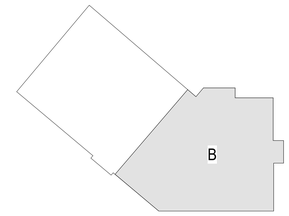
FA151A

ALL DRAWINGS, DESCRIPTIONS AND CONCEPTS THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR ALL COPIES DESTROYED UPON REQUEST AT THE COMPLETION OF THE PROJECT. ALL REPRODUCTIONS, PARTIAL OR WHOLE, ARE PROHIBITED WITHOUT THE WRITTEN PERMISSION OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ALL RIGHTS RESERVED



A5 / FA151B **ROOF-FIRE ALARM-AREA B**
1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 30230 ENGINEER JASON P. FAMIGLIETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

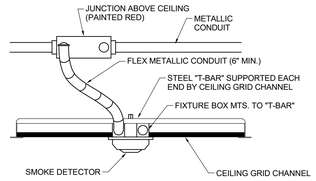
SHEET TITLE:
FIRE ALARM ROOF - PLAN - AREA B

SHEET NO. FA151B
PROJ. NO. 024370.00

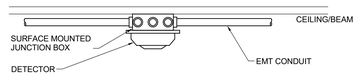
ALL DRAWINGS, DESCRIPTIONS AND CONCEPTS THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ANY ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY, DESTROYED AT THE COMPLETION OF THE PROJECT. THE VISUAL CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS. MPS ARCHITECTURE SHALL NOT BE RESPONSIBLE FOR ANY DISCREPANCIES OR OMISSIONS IN THE CONSTRUCTION PERFORMED BY THE CONTRACTOR OR SUBCONTRACTORS. ©COPYRIGHT MCMILLAN PAZDAN SMITH ARCHITECTURE ALL RIGHTS RESERVED



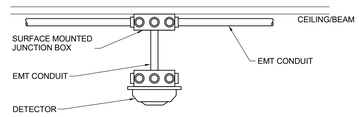
1 FA501 **LABEL - FACP PLACARD DETAIL**
NOT TO SCALE



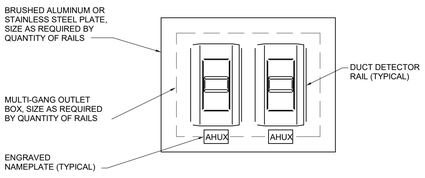
2 FA501 **FIRE ALARM CEILING MOUNTED DEVICE DETAIL**
NOT TO SCALE



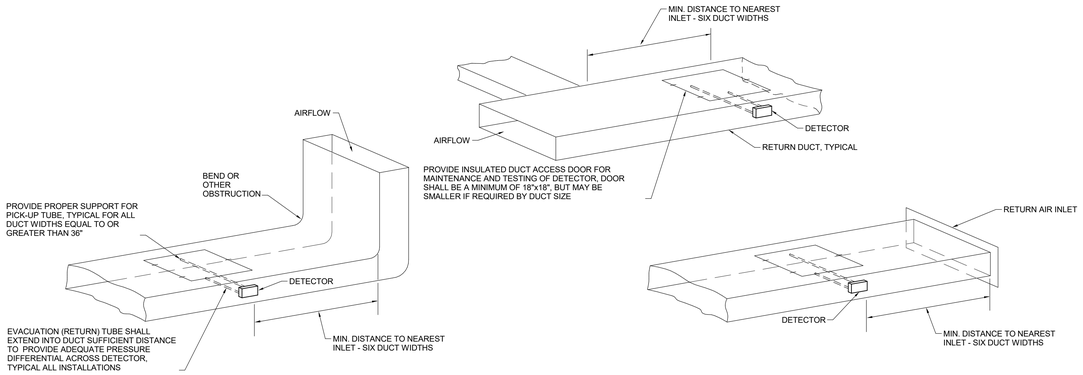
3 FA501 **FIRE ALARM TYPICAL SURFACE DEVICE DETAIL**
NOT TO SCALE



4 FA501 **FIRE ALARM TYPICAL SUSPENDED DEVICE DETAIL**
NOT TO SCALE

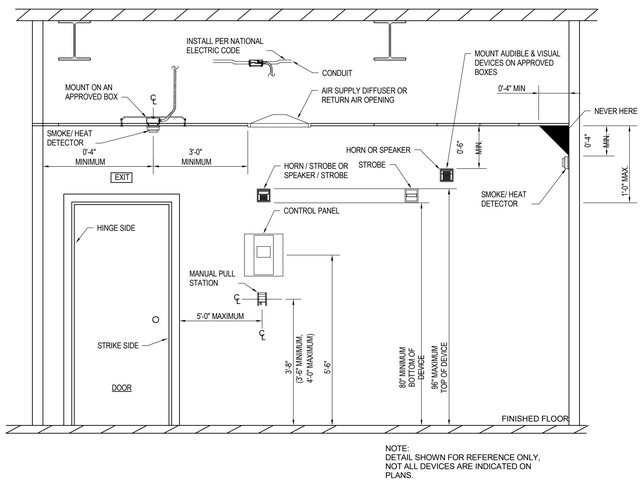


5 FA501 **TYPICAL AHU FA RAIL INSTALLATION DETAIL**
NOT TO SCALE



NOTE:
DUCT DETECTORS SHALL BE INSTALLED AS RECOMMENDED BY THE DEVICE MANUFACTURER

6 FA501 **TYPICAL DUCT SMOKE DETECTOR PLACEMENT DETAIL**
NOT TO SCALE



NOTE:
DETAIL SHOWN FOR REFERENCE ONLY, NOT ALL DEVICES ARE INDICATED ON PLANS.

7 FA501 **FIRE ALARM DEVICE MOUNTING DETAIL**
NOT TO SCALE

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 36230 JASON P. FAMIGLETTI 4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

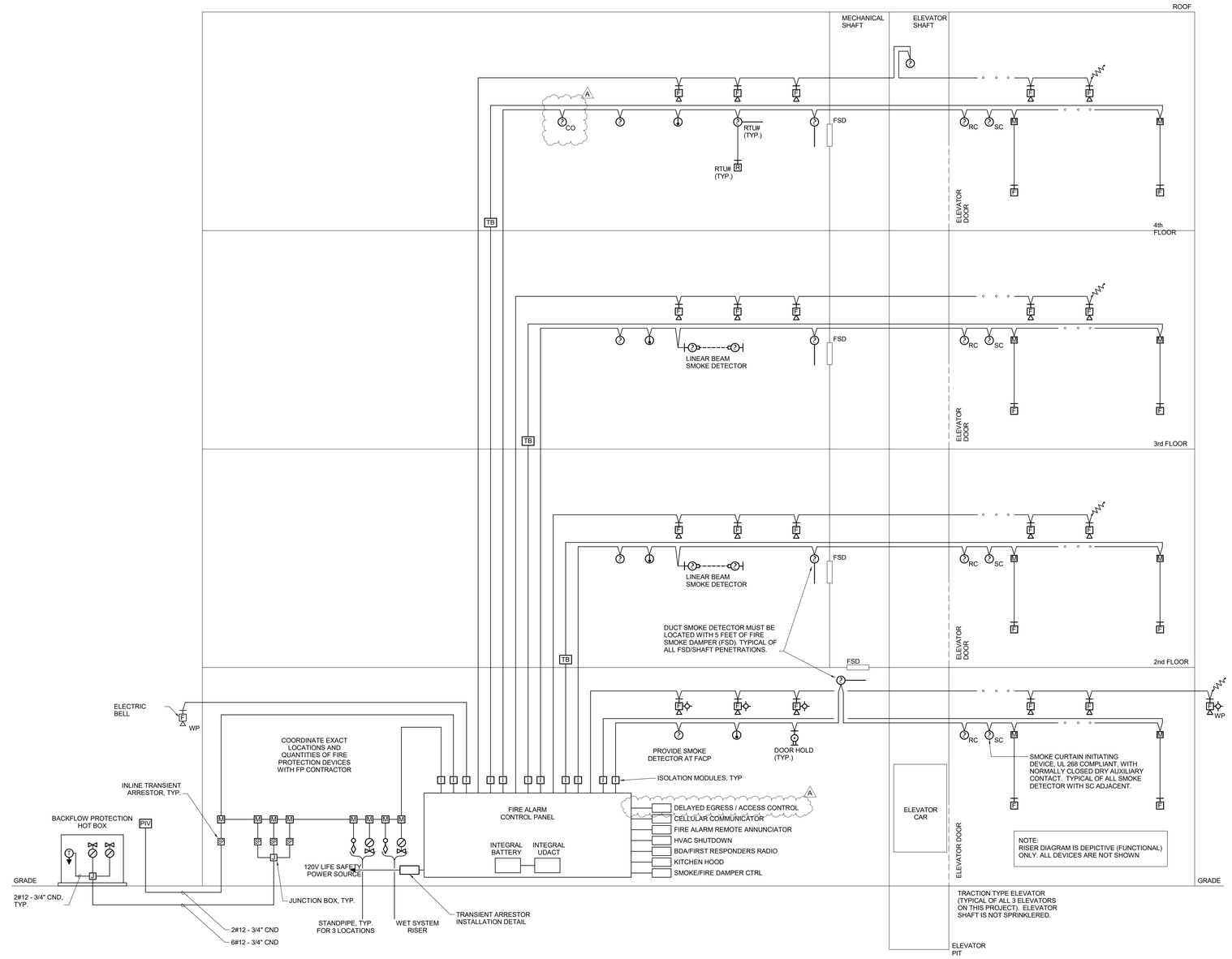
SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
FIRE ALARM DETAILS

SHEET NO. FA501
PROJ. NO. 024370.00



A5 / FA601 **FIRE ALARM RISER DIAGRAM**

NOT TO SCALE

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 35230 JASON P. FAMIGLIETTI
4/2/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: JPF
DESIGNER: RRD / AJC
DRAWN BY: RRD / AJC

SHEET TITLE:
FIRE ALARM FUNCTIONAL RISER DIAGRAM

SHEET NO. FA601
PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

GENERAL MECHANICAL SYMBOLS

- REVISION NUMBER - SHOWN ON PLANS
- POINT WHERE NEW CONNECTS TO EXISTING
- NUMBER OF DETAIL ON SHEET
- NUMBER OF SHEET WHERE DETAIL APPEARS
- (1) KEYNOTE
- CONTINUATION SYMBOL
- Room 1 — ROOM NAME AND NUMBER
- ITEM TO BE DEMOLISHED
- AREA NOT IN CONTRACT

HVAC SYMBOLS

- 16"x8" — SQUARE DUCT SIZE TAG (WIDTH x HEIGHT)
- 16"/8" — OVAL DUCT SIZE TAG (WIDTH / HEIGHT)
- 16"Ø — ROUND DUCT SIZE TAG (DIAMETER)
- (E) — EXISTING DUCT TAG
- DUCT BEING DEMOLISHED
- S/A — SUPPLY AIR
- S-O/A — SUPPLY AIR (100% OUTSIDE AIR)
- O/A — OUTSIDE AIR
- R/A — RETURN AIR
- T/A — TRANSFER AIR
- E/A — EXHAUST AIR
- L/A — RELIEF AIR
- GE/A — GREASE EXHAUST AIR
- SE/A — SMOKE EXHAUST AIR
- FLUE — EXHAUST GAS FLUE
- C/A — COMBUSTION AIR
- DROP — RECTANGULAR SUPPLY/OUTSIDE AIR DUCT RISE
- DROP — ROUND SUPPLY/OUTSIDE AIR DUCT RISE
- DROP — RECTANGULAR RETURN/TRANSFER AIR DUCT RISE
- DROP — ROUND RETURN/TRANSFER AIR DUCT RISE
- DROP — RECTANGULAR EXHAUST/RELIEF AIR DUCT RISE
- DROP — ROUND EXHAUST/RELIEF AIR DUCT RISE

GRILLES, REGISTERS, AND DIFFUSERS TAG: S1 / 0 — GRILLES, REGISTERS, OR DIFFUSERS; TYPE (SEE SCHEDULE); CFM

LINEAR DIFFUSER TAG: S1 / 0 — LINEAR DIFFUSER; TYPE (SEE SCHEDULE); CFM

VAVX-X-XX — MECHANICAL EQUIPMENT; MECHANICAL EQUIPMENT TAG; VAV NUMBER; FLOOR LOCATION FOR VAV; RTU SERVING VAV

- (CO2) CARBON DIOXIDE SENSOR
- (D) DUCT SMOKE DETECTOR
- (H) HUMIDITY SENSOR
- (E) E-STOP
- (T) TEMPERATURE SENSOR

- FIRE /SMOKE DAMPER
- MANUAL BALANCING DAMPER
- MOTORIZED DAMPER (M)

PIPING SYMBOLS

- 2" — PIPE SIZE TAG (DIAMETER)
- ABOVE GROUND PIPING
- 1/8" / 12" SLOPE — PIPE SLOPE TAG
- BELOW GROUND PIPING
- INVERT: -10' - 1" — PIPE INVERT ELEVATION TAG
- (E) — EXISTING PIPE TAG
- PIPING BEING DEMOLISHED
- CD — CONDENSATE DRAINAGE
- HWR — HEATING WATER RETURN
- HWS — HEATING WATER SUPPLY
- G — NATURAL GAS
- PG — PROPANE GAS
- REF-L — REFRIGERANT-LIQUID
- REF-S — REFRIGERANT-SUCTION
- REF-HG — REFRIGERANT-HOT GAS
- PIPE DROP
- PIPE RISE
- PIPE TEE
- CAP
- 4" 4" 2" 4" — PLUG
- REDUCING 45 DEGREE TEE
- 45 DEGREE TEE
- DOMESTIC WATER METER
- FLOW MEASURING AND BALANCING DEVICE
- BALL VALVE
- CHECK VALVE
- THREE WAY VALVE
- MOTORIZED CONTROL VALVE
- THREE WAY MOTORIZED CONTROL VALVE
- PRESSURE REDUCING VALVE
- SOLENOID VALVE
- BUTTERFLY VALVE

EQUIPMENT ABBREVIATIONS

AC	AIR CONDITIONING UNIT	FP	FIRE PUMP
ACC	AIR COOLED CONDENSER	GI	GREASE INTERCEPTOR
ACCU	AIR COOLING CONDENSING UNIT	GRV	GRAVITY ROOF VENTILATOR
AFMS	AIR FLOW MEASURING STATION	H	HUMIDIFIER
AHU	AIR HANDLING UNIT	HWP	HEATING WATER PUMP
AS	AIR SEPARATOR	HX	HEAT EXCHANGER
B	BOILER	HPU	HEAT PUMP UNIT
CF	CABINET FAN	HRU	HEAT RECOVERY UNIT
CF	CHEMICAL FEEDER	ILC	INLINE CENTRIFUGAL
CFP	CHEMICAL FEEDER PUMP	PF	PROPELLER FAN
CH	CHILLER	PV	POWER VENTILATOR
CRU	CONDENSATE RETURN UNIT	PWF	POWER WALL FAN
CT	COOLING TOWER	RE	RETURN/EXHAUST FAN
CUH	CABINET UNIT HEATER	RTU	ROOFTOP UNIT
CWP	CONDENSER WATER PUMP	SA	SHOCK ABSORBER
CHWP	CHILLED WATER PUMP	SAT	SOUND ATTENUATOR
DAH	DUCTLESS AIR HANDLER	SEP	SEWAGE EJECTOR PUMP
DHP	DUCTLESS HEAT PUMP	SF	SUPPLY FAN
DCP	DOMESTIC WATER CIRCULATING PUMP	SP	SUMP PUMP
EUH	ELECTRIC UNIT HEATER	UH	UNIT HEATER
EDC	ELECTRIC DUCT COIL	US	UTILITY SET
ET	EXPANSION TANK	UV	UNIT VENTILATOR
EWH	ELECTRIC WATER HEATER	VAV	VARIABLE AIR VOLUME
FCU	FAN COIL UNIT	WH	WATER HEATER

ABBREVIATIONS

TERM	ABBREVIATION	TERM	ABBREVIATION
ABOVE FINISHED FLOOR	AFF	INCH OF WATER GAUGE	INWG
ABOVE GROUND	AG	INDOOR UNIT	IDU
ABOVE SEA LEVEL	ASL	IRON PIPE SIZE	IPS
ACROSS THE LINE	ACL	KILOVOLT-AMP	KVA
AIR ADMITTANCE VALVE	AAV	KILOWATT	KW
AIR CONDITION(-ING, -ED)	AIR COND	KILOWATT HOUR	KWH
AIR-HANDLING UNIT	AHU OR AH	LEAVING AIR TEMPERATURE	LAT
AIR FLOW MEASURING STATION	AFMA	LEAVING WATER TEMPERATURE	LWT
AMBIENT	AMB	LENGTH	LG
AMPERE (AMP, AMPS)	AMP	LINEAR FEET	LF
ANALOG INPUT	AI	MAXIMUM	MAX
ANALOG OUTPUT	AO	MAXIMUM OVERCURRENT PROTECTION	MOCP
AND	&	MEDIUM-PRESSURE STEAM	MPS
APPARATUS DEW POINT	ADP	MILES PER HOUR	MPH
APPROXIMATE	APPROX	MINIMUM	MIN.
ARCHITECT	ARCH	MINIMUM CIRCUIT AMPERES	MCA
ATMOSPHERE	ATM	MINUTE	MIN
AVERAGE	AVG	MANUFACTURER	MFR
BRAKE HORSEPOWER	BHP	MOTOR CONTROL CENTER	MCC
BROWN & SHARPE WIRE GAGE	B&S	NOISE CRITERIA	NC
BRITISH THERMAL UNIT	BTU	NON-STANDARD PART LOAD	NPLV
BRITISH THERMAL UNIT PER HOUR	MBH	NORMALLY OPEN	NO
1000 BRITISH THERMAL UNIT	MBH	NORMALLY CLOSED	NC
BUILDING	BLDG	NOT APPLICABLE	N/A
BUILDING AUTOMATION SYSTEM	BAS	NOT IN CONTRACT	N I C
CELSIUS	ºC	NOT TO SCALE	NTS
CHILLED WATER RETURN	CHWR	NUMBER	NO
CHILLED WATER SUPPLY	CHWS	ON CENTER	OC
COEFFICIENT, VALVE FLOW	CV	OUNCE	OZ
COEFFICIENT OF PERFORMANCE FACTOR	COP	OUTDOOR UNIT	ODU
COMPRESSOR	COMP	OUTSIDE AIR	OA
CONCRETE	CONC	PACKAGE UNIT	PU
CONDENS(-ER, -ING, -ATION)	COND	PACKAGE TERMINAL AIR CONDITIONER	PTAC
CONNECTION	CONN	PARTS PER MILLION	PPM
CONTINUATION	CONT	PERCENT	%
COOLING LOAD	CLG LOAD	PHASE	PH
CUBIC FEET	CU FT	POUNDS	LBS
CUBIC INCH	CU IN	POUNDS PER SQUARE FOOT	PSF
CUBIC FEET PER MINUTE	CFM	POWER VENTILATOR	PV
CFM, STANDARD CONDITIONS	SCFM	PRESSURE	PRESS
DECIBEL	DB	PRESSURE REDUCING VALVE	PRV
DEGREE	DEG OR º	PRESSURE SAFETY VALVE	PSV
DEDICATED OUTDOOR AIR SYSTEM	DOAS	PUMPED CONDENSATE	PC
DEGREES FAHRENHEIT	DEG. F	QUANTITY	QTY
DETAIL	DET	RATED LOAD AMPS	RLA
DEW-POINT TEMPERATURE	DPT	RECIRCULATE	RECIRC
DIAMETER	DIA	REDUCED PRESSURE BACKFLOW PREVENTER	RPZ
DIAMETER, INSIDE	ID	REFRIGERANT (12, 22, ETC.)	R22, R410
DIAMETER, OUTSIDE	OD	REFRIGERANT LIQUID	RL
DIFFERENCE OR DELTA	DIFF	REFRIGERANT SUCTION	RS
DIGITAL INPUT	DI	REQUIRED	REQD OR REQ'D
DIGITAL OUTPUT	DO	RELATIVE HUMIDITY	RH
DOMESTIC HOT WATER	DHW	RETURN AIR	RA
DOMESTIC HOT WATER RECIRCULATION	DHWR	REVOLUTIONS PER MINUTE	RPM
DRY-BULB TEMPERATURE	DBT	REVOLUTIONS PER SECOND	RPS
DUCTLESS SPLIT SYSTEM AIR HANDLER	DAH	ROOF VENTILATOR	RV
DUCTLESS SPLIT SYSTEM HEAT PUMP	DHP	ROOF TOP UNIT	RTU
ENERGY EFFICIENCY RATING	ERR	SAFETY FACTOR	SF
EFFICIENCY	EFF	SEASONAL ENERGY EFFICIENCY RATIO	SEER
ELECTRIC UNIT HEATER	EUH	SECOND	S
ELEVATION	EL	SHADING COEFFICIENT	SC
ENTERING	ENT	SPECIFICATION	SPEC
ENTERING WATER TEMPERATURE	EWT	SQUARE	SQ
ENTERING AIR TEMPERATURE	EAT	STANDARD	STD
EXISTING	(X)	STATIC PRESSURE	SP
EXTERNAL AMBIENT TEMPERATURE	EAT	SUPPLY	SPLY
EXTERNAL STATIC PRESSURE	ESP	SUPPLY AIR	SA
EXHAUST AIR	EA	TEMPERATURE	TEMP
EXHAUST FAN	EF	TEMPERATURE DIFFERENCE	TD
FACE VELOCITY	FVEL	THERMOSTAT	T STAT
FAHRENHEIT	ºF	TONS OF REFRIGERATION	TONS
FEET PER MINUTE	FPM	TO BE DETERMINED	TBD
FEET PER SECOND	FPS	TOP OF STEEL	TOS
FLOOR	FLR	TOTAL DYNAMIC HEAD	TDH
FOOT OR FEET	FT	TYPICAL	TYP
FULL LOAD AMPS	FLA	U-FACTOR	U
GAGE OR GAUGE	GA	UNDER GROUND	UG
GALLONS	GAL	UNLESS OTHERWISE NOTED	UON
GALLONS PER HOUR	GPH	UNIT HEATER - ELECTRIC	UH
GALLONS PER MINUTE	GPM	VARIABLE AIR VOLUME	VAV
GALLONS PER DAY	GPD	VARIABLE FREQUENCY DRIVE	VFD
GAS UNIT HEATER	GUH	VELOCITY	VEL
GRAINS	GR	VENTILATION, VENT	VENT
HEAD	HD	VENT THRU ROOF	VTR
HEAT EXCHANGER	HX	VERTICAL	VERT
HEATING AND VENTILATION UNIT	HV	VOLT	V
HEATING, VENTILATION AND AIR CONDITIONING	HVAC	VOLT AMPERE	VA
HEIGHT	HGT	VOLUME	VOL
HERTZ	HZ	WATER PRESSURE DROP	WPD
HIGH DENSITY POLYPROPYLENE	HDPE	WATER GAUGE	WG
HIGH-PRESSURE STEAM	HPS	WATT	W
HORSEPOWER, HEAT PUMP	HP	WATT-HOUR	WH
HOT WATER COIL	HWC	WITH	W/
HOUR(S)	HR	WEIGHT	WT
HUMIDITY, RELATIVE	RH	WET BULB	WB
INTEGRATED PART LOAD VALUES	IPLV	YARD	YD
INCH	IN.	YEAR	YR

NOTE: ALL ABBREVIATIONS MAY NOT BE USED IN PROJECT.

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

CLIMATE ZONE	3A - WARM/HUMID
WINTER DRY BULB:	23 °F
SUMMER DRY BULB	93 °F
INTERIOR DESIGN CONDITIONS	
WINTER DRY BULB	70 °F
SUMMER DRY BULB	75 °F
RELATIVE HUMIDITY	60% RH*
	*DESIGN- NOT CONTROLLED
BUILDING HEATING LOAD:	1527.7 MBH
BUILDING COOLING LOAD:	3344.8 MBH
MECHANICAL SPACING CONDITIONING...	
UNITARY	
DESCRIPTION OF UNIT:	SEE SCHEDULES
HEATING EFFICIENCY:	SEE SCHEDULES
COOLING EFFICIENCY:	SEE SCHEDULES
SIZE CATEGORY OF UNIT:	SEE SCHEDULES
BOILER	
SIZE CATEGORY, IF OVERSIZED...	...
CHILLER	
SIZE CATEGORY, IF OVERSIZED...	...
LIST EQUIPMENT EFFICIENCIES:	SEE SCHEDULES

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 043801 TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

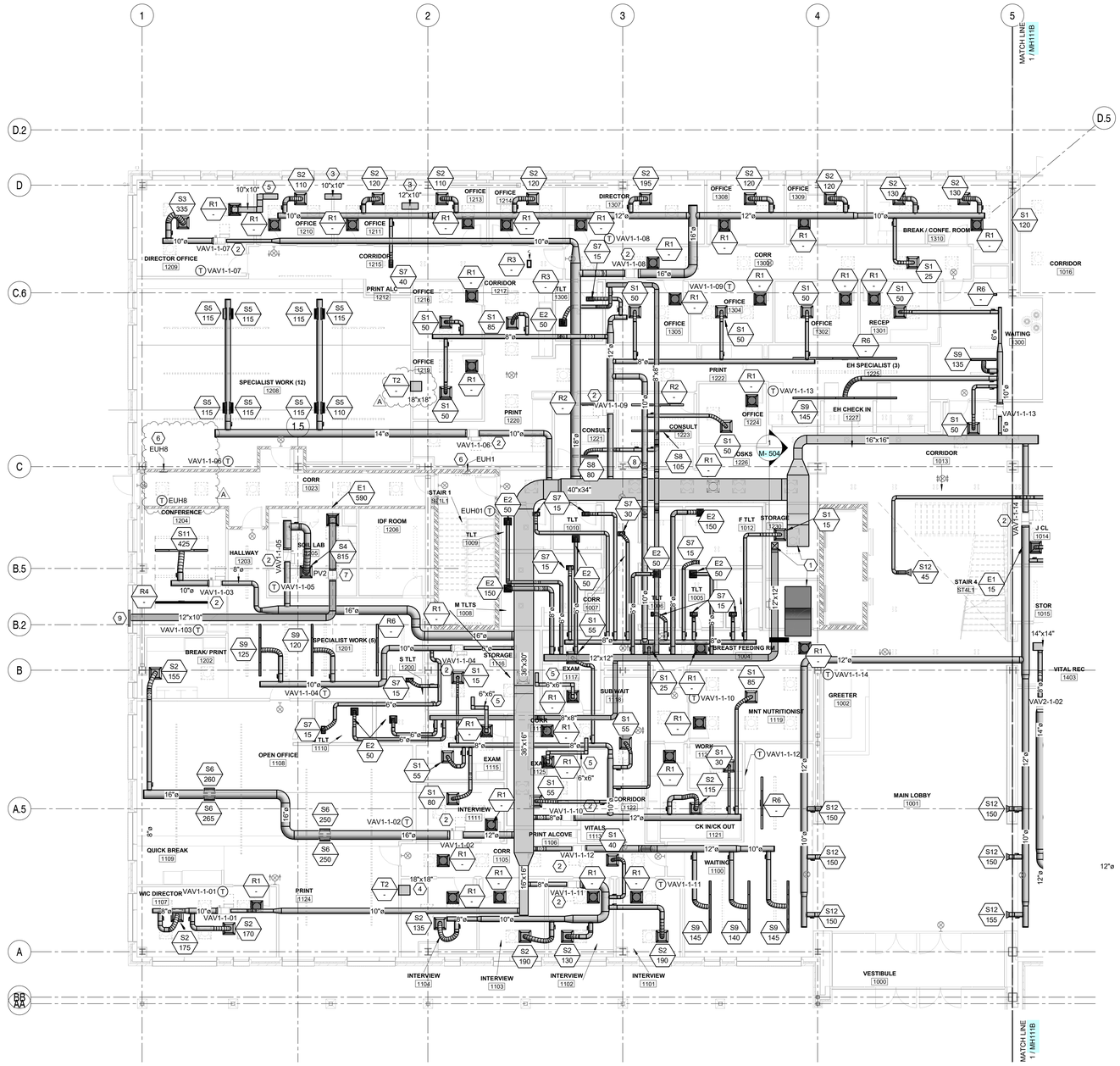
ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: WTB
DRAWN BY: WTB

SHEET TITLE:
MECHANICAL LEGEND, ABBREVIATIONS & SUMMARY

PROJ. NO. 024370.00

M-001



KEYNOTES

1	INSTALL FIRE/SMOKE DAMPERS AT ALL HVAC DUCT PENETRATIONS THROUGH FIRE-RESISTANCE-RATED SHAFT WALLS AND FLOORS, IN ACCORDANCE WITH APPLICABLE BUILDING CODE AND NFPA STANDARDS. SEE DETAILS ON M-504 FOR FURTHER INFORMATION.
2	INSTALL NEW VAV TERMINAL UNIT WITH REHEAT COIL AT LOCATION SHOWN. MAINTAIN ALL MANUFACTURER-RECOMMENDED CLEARANCES FOR SERVICE ACCESS AND PROPER OPERATION.
3	PROVIDE DUCT OPENING AT LOCATION SHOWN, SIZE AS INDICATED, FOR RETURN AIR PATH.
4	PROVIDE INDICATED GRILLE AND DUCT OPENING AT LOCATION SHOWN, SIZE AS INDICATED, FOR RETURN AIR PATH.
5	PROVIDE Z-DUCT AT LOCATION SHOWN, SIZED AS INDICATED, FOR SOUND ATTENUATION AND RETURN AIR PATH. SEE ~~A~~M-502 FOR FURTHER DETAILS.
6	INSTALL ELECTRIC HEATER IN WALL AT 80" AFF. MAINTAIN MANUFACTURER RECOMMENDED CLEARANCES FOR SERVICE AND PROPER OPERATION.
7	SUSPEND POWER VENTILATOR FROM STRUCTURE AT LOCATION SHOWN. MAINTAIN ALL MANUFACTURER RECOMMENDED CLEARANCES FOR MAINTENANCE AND PROPER OPERATION. ROUTE DUCTWORK FROM EXHAUST GRILLE TO INLET OF POWER VENTILATOR. ROUTE EXHAUST DUCTWORK TO LOUVER IN EXTERIOR WALL. COORDINATE WITH ARCHITECTURAL FOR LOUVER SIZE AND LOCATION.
8	PROVIDE MANUAL BALANCE DAMPER IN DUCT TO AID IN BALANCEING AIR TO RESTROOMS WITH HARD CEILINGS.
9	PROVIDE INTAKE AIR 24V MOTORIZED DAMPER ON LOUVER. REFER TO ARCHITECTURAL DRAWINGS FOR SIZE. REFER TO 3/M-801 FOR ADDITIONAL INFORMATION.

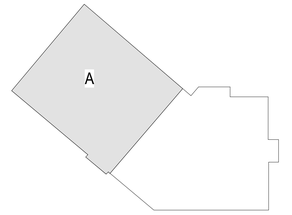
GENERAL NOTES

1. LINEAR DIFFUSERS/GRILLES SHALL BE INSTALLED CENTERED WITHIN THE CEILING GRID MODULE. INSTALLATION SHALL NOT BE OFFSET TO ONE SIDE OF THE GRID. WHERE REQUIRED, THE CIEILING CONTRACTOR SHALL PROVIDE FULL FRAMING AND CUT-IN SUPPORT TO MAINTAIN A CENTERED INSTALLATION AT TEE LOCATIONS.
2. INSTALL DUCT SMOKE DETECTORS WITH-IN 5FT. OF ALL COMBINATION FIRE/SMOKE DAMPERS.
3. ALL EXPOSED SUPPLY, RETURN, OUTSIDE AIR AND EXHAUST DUCTWORK MUST BE PRE-FABRICATED PRE-INSULATED DOUBLE WALL DUCT.

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



1 MH111A **PARTIAL FIRST FLOOR PLAN AREA A**
1/8" = 1'-0"

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

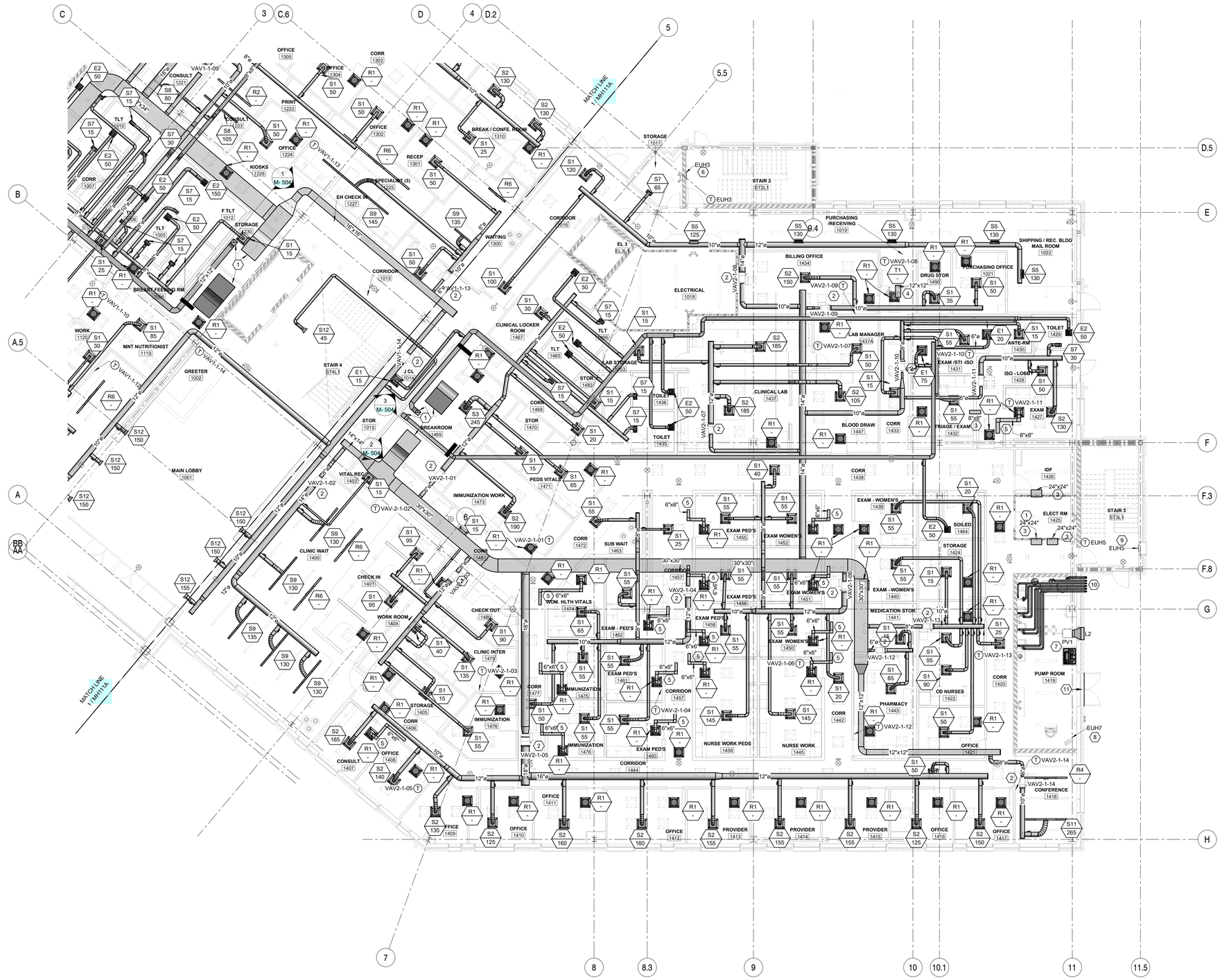
PRINCIPAL IN CHARGE: TOG
DESIGNER: WTB
DRAWN BY: WTB

SHEET TITLE:
MECHANICAL LEVEL 01 - HVAC - AREA A

SHEET NO. MH111A
PROJ. NO. 024370.00

PROJECT NORTH

ALL DRAWINGS, SPECIFICATIONS AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED UPON THE COMPLETION OF THE PROJECT. THE CONCEPTIONS OF ARCHITECTURAL DESIGN EXPRESSED IN THESE DRAWINGS AND SPECIFICATIONS ARE PROPRIETARY TO MCMILLAN PAZDAN SMITH ARCHITECTURE. ANY REUSE, UNAUTHORIZED REPRODUCTION OR PUBLICATION BY ANY METHOD, IN WHOLE OR IN PART, IS PROHIBITED. COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS MAY APPLY.
ALL RIGHTS RESERVED



1 MH111B **PARTIAL FIRST FLOOR PLAN AREA B**
1/8" = 1'-0"

KEYNOTES

1	INSTALL FIRE/SMOKE DAMPERS AT ALL HVAC DUCT PENETRATIONS THROUGH FIRE-RESISTANCE-RATED SHAFT WALLS AND FLOORS, IN ACCORDANCE WITH APPLICABLE BUILDING CODE AND NFPA STANDARDS. SEE DETAILS ON M-504 FOR FURTHER INFORMATION.
2	INSTALL NEW VAV TERMINAL UNIT WITH REHEAT COIL AT LOCATION SHOWN. MAINTAIN ALL MANUFACTURER-RECOMMENDED CLEARANCES FOR SERVICE ACCESS AND PROPER OPERATION.
3	PROVIDE DUCT OPENING AT LOCATION SHOWN, SIZE AS INDICATED, FOR RETURN AIR PATH.
4	PROVIDE INDICATED GRILLE AND DUCT OPENING AT LOCATION SHOWN, SIZE AS INDICATED, FOR RETURN AIR PATH.
5	PROVIDE Z-DUCT AT LOCATION SHOWN, SIZED AS INDICATED, FOR SOUND ATTENUATION AND RETURN AIR PATH. SEE 4/M-502 FOR FURTHER DETAILS.
6	INSTALL ELECTRIC HEATER IN WALL AT 80" AFF. MAINTAIN MANUFACTURER RECOMMENDED CLEARANCES FOR SERVICE AND PROPER OPERATION.
7	SUSPEND POWER VENTILATOR FROM STRUCTURE. MAINTAIN MANUFACTURER REQUIRED CLEARANCES FOR SERVICE AND PROPER OPERATION. PROVIDE WIRE SCREEN ON INLET. ROUTE EXHAUST DUCTWORK TO THE TOP 28" X 24" OF LOUVER IN EXTERIOR WALL. MECHANICAL CONTRACTOR TO BLANK OFF BOTTOM PORTION OF LOUVER.
8	SUSPEND ELECTRIC UNIT HEATER FROM STRUCTURE AT LOCATION SHOWN. MAINTAIN ALL MANUFACTURER-RECOMMENDED CLEARANCES FOR MAINTENANCE AND PROPER OPERATION.
9	INSTALL ELECTRIC HEATER IN WALL AT 11 FEET AFF. MAINTAIN MANUFACTURER RECOMMENDED CLEARANCES FOR SERVICE AND PROPER OPERATION.
10	BOILER AND WATER HEATER COMBUSTION AND EXHAUST AIR DUCTWORK. DUCTWORK ROUTED EXHAUST OVER INTAKE. INSTALL DUCTWORK ACCORDING TO MANUFACTURERS REQUIEMENTS. WALL PENETRATIONS TO BE MADE WEATHERTIGHT.
11	PROVIDE INTAKE AIR 24V MOTORIZED DAMPER ON LOUVER ABOVE DOOR. REFER TO ARCHITECTURAL DRAWINGS FOR SIZE. REFER TO 2/M-801 FOR ADDITIONAL INFORMATION.

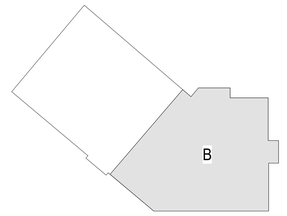
GENERAL NOTES

1. LINEAR DIFFUSERS/GRILLES SHALL BE INSTALLED CENTERED WITHIN THE CEILING GRID MODULE. INSTALLATION SHALL NOT BE OFFSET TO ONE SIDE OF THE GRID. WHERE REQUIRED, THE CIELING CONTRACTOR SHALL PROVIDE FULL FRAMING AND CUT-IN SUPPORT TO MAINTAIN A CENTERED INSTALLATION AT TEE LOCATIONS.
2. INSTALL DUCT SMOKE DETECTORS WITH-IN 5FT. OF ALL COMBINATION FIRE/SMOKE DAMPERS.
3. ALL EXPOSED SUPPLY, RETURN, OUTSIDE AIR AND EXHAUST DUCTWORK MUST BE PRE-FABRICATED PRE-INSULATED DOUBLE WALL DUCT.

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 043801 TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: WTB
DRAWN BY: WTB

SHEET TITLE:
MECHANICAL LEVEL 01 - HVAC - AREA B

SHEET NO. MH111B
PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THEY ARE NOT TO BE USED ON ANY PROJECT OTHER THAN THE PROJECT FOR WHICH THEY HAVE BEEN PREPARED AND DEVELOPED WITHOUT THE EXPRESS WRITTEN PERMISSION OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ANY USE WHATSOEVER, INCLUDING BUT NOT LIMITED TO REPRODUCTION OF THESE DRAWINGS AND SPECIFICATIONS FOR ANOTHER PROJECT, WITHOUT WRITTEN PERMISSION AND APPROPRIATE COMPENSATION TO MCMILLAN PAZDAN SMITH ARCHITECTURE WILL BE UNLAWFUL AND A VIOLATION OF THE RIGHTS OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ALL RIGHTS RESERVED

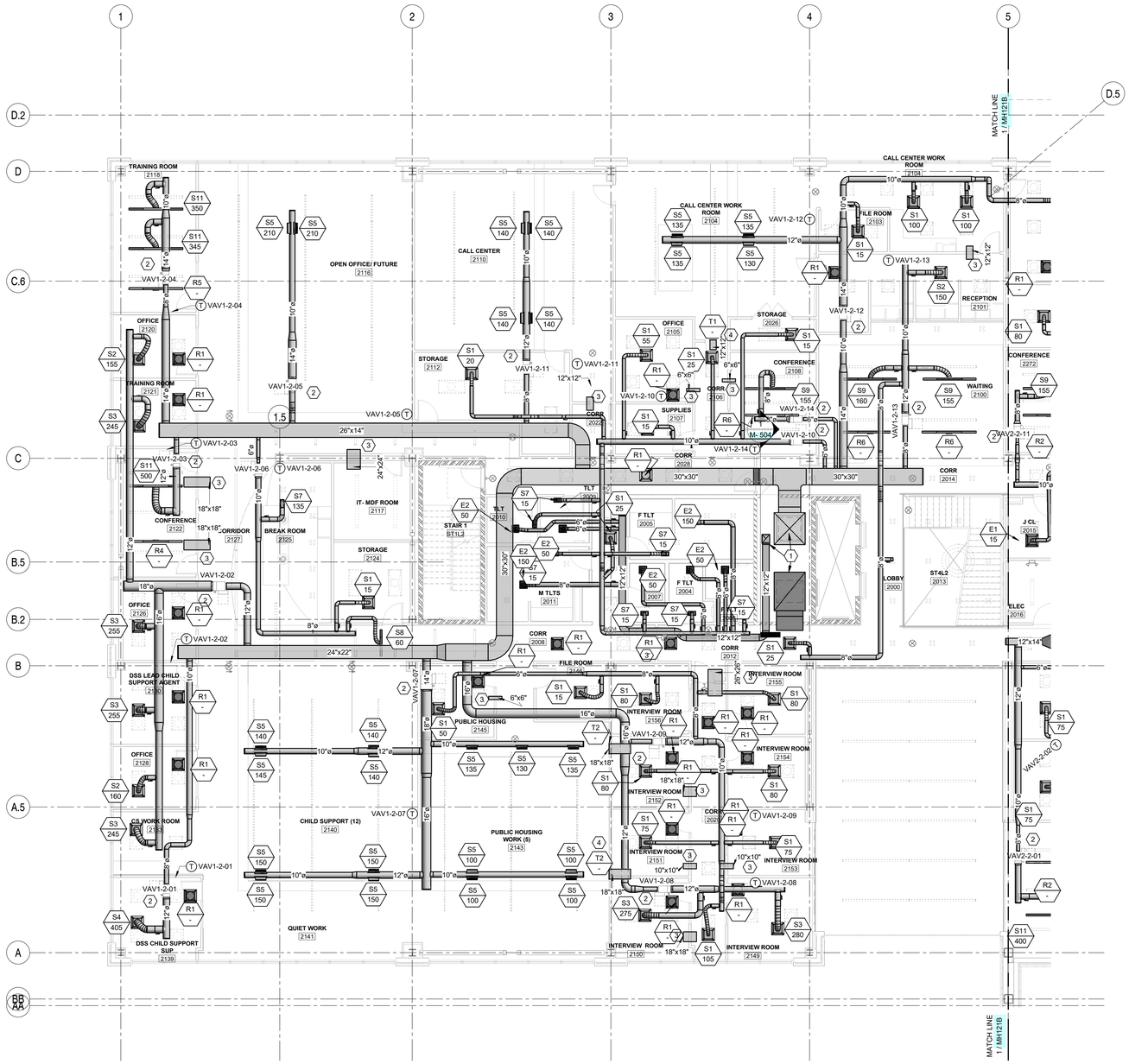
ALL DRAWINGS, SPECIFICATIONS AND CODES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE, ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THOSE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED ON REQUEST AT THE COMPLETION OF THE PROJECT. NO PART OF THESE DRAWINGS, SPECIFICATIONS AND CODES THEREOF MAY BE REPRODUCED BY MCMILLAN PAZDAN SMITH ARCHITECTURE OR ANY OF ITS PROFESSIONAL CONSULTANTS WITHOUT WRITTEN PERMISSION. COPYRIGHT 2026 MCMILLAN PAZDAN SMITH ARCHITECTURE ALL RIGHTS RESERVED

KEYNOTES

1	INSTALL FIRE/SMOKE DAMPERS AT ALL HVAC DUCT PENETRATIONS THROUGH FIRE-RESISTANCE-RATED SHAFT WALLS AND FLOORS, IN ACCORDANCE WITH APPLICABLE BUILDING CODE AND NFPA STANDARDS. SEE DETAILS ON M-504 FOR FURTHER INFORMATION.
2	INSTALL NEW VAV TERMINAL UNIT WITH REHEAT COIL AT LOCATION SHOWN. MAINTAIN ALL MANUFACTURER-RECOMMENDED CLEARANCES FOR SERVICE ACCESS AND PROPER OPERATION.
3	PROVIDE DUCT OPENING AT LOCATION SHOWN, SIZE AS INDICATED, FOR RETURN AIR PATH.
4	PROVIDE INDICATED GRILLE AND DUCT OPENING AT LOCATION SHOWN, SIZE AS INDICATED, FOR RETURN AIR PATH.

GENERAL NOTES

1. LINEAR DIFFUSERS/GRILLES SHALL BE INSTALLED CENTERED WITHIN THE CEILING GRID MODULE. INSTALLATION SHALL NOT BE OFFSET TO ONE SIDE OF THE GRID. WHERE REQUIRED, THE CIELING CONTRACTOR SHALL PROVIDE FULL FRAMING AND CUT-IN SUPPORT TO MAINTAIN A CENTERED INSTALLATION AT TEE LOCATIONS.
2. INSTALL DUCT SMOKE DETECTORS WITH-IN 5FT. OF ALL COMBINATION FIRE/SMOKE DAMPERS.
3. ALL EXPOSED SUPPLY, RETURN, OUTSIDE AIR AND EXHAUST DUCTWORK MUST BE PRE-FABRICATED PRE-INSULATED DOUBLE WALL DUCT.

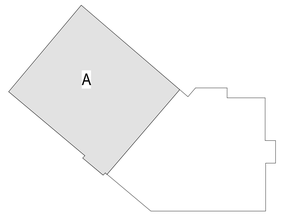


1 MH121A **PARTIAL SECOND FLOOR PLAN AREA A**
1/8" = 1'-0"

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

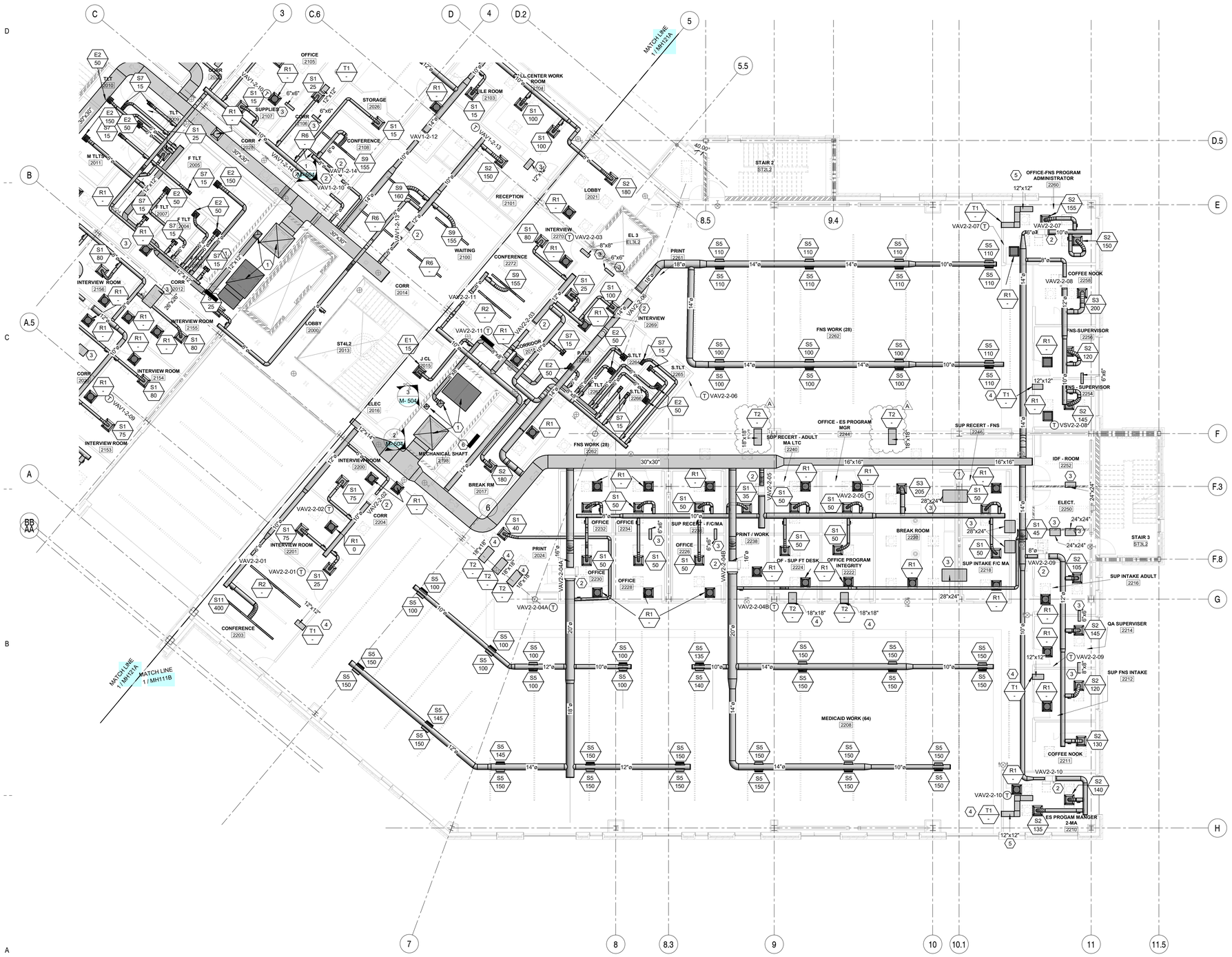
SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: WTB
DRAWN BY: WTB

SHEET TITLE:
MECHANICAL LEVEL 02 - HVAC - AREA A

SHEET NO. MH121A
PROJ. NO. 024370.00



1 MH121B **PARTIAL SECOND FLOOR PLAN AREA B**
1/8" = 1'-0"

KEYNOTES

1	INSTALL FIRE/SMOKE DAMPERS AT ALL HVAC DUCT PENETRATIONS THROUGH FIRE-RESISTANCE–RATED SHAFT WALLS AND FLOORS, IN ACCORDANCE WITH APPLICABLE BUILDING CODE AND NFPA STANDARDS. SEE DETAILS ON M-504 FOR FURTHER INFORMATION.
2	INSTALL NEW VAV TERMINAL UNIT WITH REHEAT COIL AT LOCATION SHOWN. MAINTAIN ALL MANUFACTURER-RECOMMENDED CLEARANCES FOR SERVICE ACCESS AND PROPER OPERATION.
3	PROVIDE DUCT OPENING AT LOCATION SHOWN, SIZE AS INDICATED, FOR RETURN AIR PATH.
4	PROVIDE INDICATED GRILLE AND DUCT OPENING AT LOCATION SHOWN, SIZE AS INDICATED, FOR RETURN AIR PATH.
5	PROVIDE Z-DUCT AT LOCATION SHOWN, SIZED AS INDICATED, FOR SOUND ATTENUATION AND RETURN AIR PATH. SEE 4/M-502 FOR FURTHER DETAILS.
6	INSTALL NEW VAV TERMINAL UNIT WITH REHEAT COIL AT LOCATION SHOWN. MAINTAIN ALL MANUFACTURER-RECOMMENDED CLEARANCES FOR SERVICE ACCESS AND PROPER OPERATION.

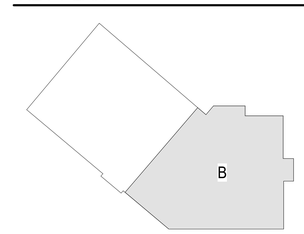
GENERAL NOTES

1. LINEAR DIFFUSERS/GRILLES SHALL BE INSTALLED CENTERED WITHIN THE CEILING GRID MODULE. INSTALLATION SHALL NOT BE OFFSET TO ONE SIDE OF THE GRID. WHERE REQUIRED, THE CIELING CONTRACTOR SHALL PROVIDE FULL FRAMING AND CUT-IN SUPPORT TO MAINTAIN A CENTERED INSTALLATION AT TEE LOCATIONS.
2. INSTALL DUCT SMOKE DETECTORS WITH-IN 5FT. OF ALL COMBINATION FIRE/SMOKE DAMPERS.
3. ALL EXPOSED SUPPLY, RETURN, OUTSIDE AIR AND EXHAUST DUCTWORK MUST BE PRE-FABRICATED PRE-INSULATED DOUBLE WALL DUCT.

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

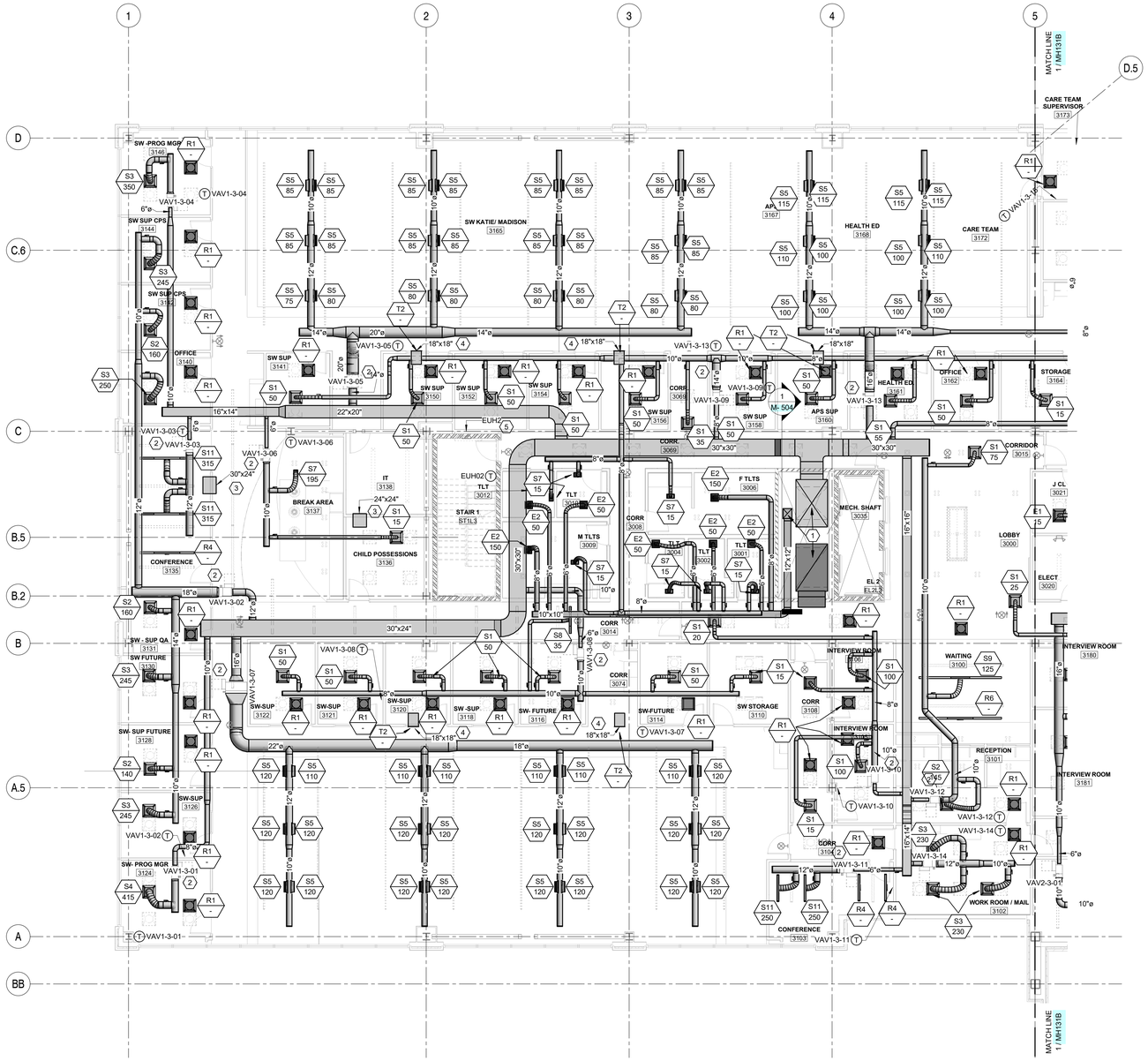
NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: TOG
DESIGNER: WTB
DRAWN BY: WTB

SHEET TITLE:
MECHANICAL LEVEL
02 - HVAC - AREA B

SHEET NO. MH121B
PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE, ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED UPON REQUEST AT THE COMPLETION OF THE PROJECT. THE VISUAL CONTRACTS OR REPRODUCTIONS OF ANY KIND, EXPRESSLY RESERVE THE COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE MATERIALS, OR ANY PORTION THEREOF, IN ANY FORM WHATSOEVER. NO RIGHTS TO PUBLISH, REPRODUCE OR USE THESE MATERIALS FOR ANY PURPOSE ARE GRANTED WITHOUT THE PRIOR AND EXPRESS WRITTEN PERMISSION OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ANY PUBLICATION OF THESE MATERIALS SHALL BEAR A COPYRIGHT NOTICE IN THE NAME OF MCMILLAN PAZDAN SMITH ARCHITECTURE AS FOLLOWS: © COPYRIGHT 2026 MCMILLAN PAZDAN SMITH ARCHITECTURE. ALL RIGHTS RESERVED



1 MH131A **PARTIAL THIRD FLOOR PLAN AREA A**
1/8" = 1'-0"

KEYNOTES

1	INSTALL FIRE/SMOKE DAMPERS AT ALL HVAC DUCT PENETRATIONS THROUGH FIRE-RESISTANCE-RATED SHAFT WALLS AND FLOORS, IN ACCORDANCE WITH APPLICABLE BUILDING CODE AND NFPA STANDARDS. SEE DETAILS ON M-504 FOR FURTHER INFORMATION.
2	INSTALL NEW VAV TERMINAL UNIT WITH REHEAT COIL AT LOCATION SHOWN. MAINTAIN ALL MANUFACTURER-RECOMMENDED CLEARANCES FOR SERVICE ACCESS AND PROPER OPERATION.
3	PROVIDE DUCT OPENING AT LOCATION SHOWN, SIZE AS INDICATED, FOR RETURN AIR PATH.
4	PROVIDE INDICATED GRILLE AND DUCT OPENING AT LOCATION SHOWN, SIZE AS INDICATED, FOR RETURN AIR PATH.
5	INSTALL ELECTRIC HEATER IN WALL AT 80" AFF. MAINTAIN MANUFACTURER RECOMMENDED CLEARANCES FOR SERVICE AND PROPER OPERATION.

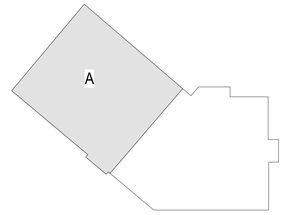
GENERAL NOTES

1. LINEAR DIFFUSERS/GRILLES SHALL BE INSTALLED CENTERED WITHIN THE CEILING GRID MODULE. INSTALLATION SHALL NOT BE OFFSET TO ONE SIDE OF THE GRID. WHERE REQUIRED, THE CIELING CONTRACTOR SHALL PROVIDE FULL FRAMING AND CUT-IN SUPPORT TO MAINTAIN A CENTERED INSTALLATION AT TEE LOCATIONS.
2. INSTALL DUCT SMOKE DETECTORS WITH-IN 5FT. OF ALL COMBINATION FIRE/SMOKE DAMPERS.
3. ALL EXPOSED SUPPLY, RETURN, OUTSIDE AIR AND EXHAUST DUCTWORK MUST BE PRE-FABRICATED PRE-INSULATED DOUBLE WALL DUCT.

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: TOG
DESIGNER: WTB
DRAWN BY: WTB

SHEET TITLE:
MECHANICAL LEVEL 03 - HVAC - AREA A

SHEET NO. MH131A
PROJ. NO. 024370.00



1 MH131B **PARTIAL THIRD FLOOR PLAN AREA B**

1/8" = 1'-0"

KEYNOTES

1	INSTALL FIRE/SMOKE DAMPERS AT ALL HVAC DUCT PENETRATIONS THROUGH FIRE-RESISTANCE-RATED SHAFT WALLS AND FLOORS, IN ACCORDANCE WITH APPLICABLE BUILDING CODE AND NFPA STANDARDS. SEE DETAILS ON M-504 FOR FURTHER INFORMATION.
2	INSTALL NEW VAV TERMINAL UNIT WITH REHEAT COIL AT LOCATION SHOWN. MAINTAIN ALL MANUFACTURER-RECOMMENDED CLEARANCES FOR SERVICE ACCESS AND PROPER OPERATION.
3	PROVIDE DUCT OPENING AT LOCATION SHOWN, SIZE AS INDICATED, FOR RETURN AIR PATH.
4	EXHAUST DUCT CAPPED FOR FUTURE
5	PROVIDE 12" DUCT STUB-OUT FOR FUTURE USE.
6	INSTALL ELECTRIC HEATER IN WALL AT 80" AFF. MAINTAIN MANUFACTURER RECOMMENDED CLEARANCES FOR SERVICE AND PROPER OPERATION.

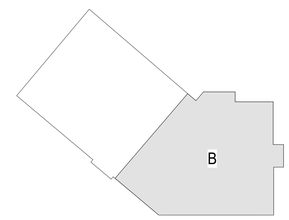
GENERAL NOTES

1. LINEAR DIFFUSERS/GRILLES SHALL BE INSTALLED CENTERED WITHIN THE CEILING GRID MODULE. INSTALLATION SHALL NOT BE OFFSET TO ONE SIDE OF THE GRID. WHERE REQUIRED, THE CIELING CONTRACTOR SHALL PROVIDE FULL FRAMING AND CUT-IN SUPPORT TO MAINTAIN A CENTERED INSTALLATION AT TEE LOCATIONS.
2. INSTALL DUCT SMOKE DETECTORS WITH-IN 5FT. OF ALL COMBINATION FIRE/SMOKE DAMPERS.
3. ALL EXPOSED SUPPLY, RETURN, OUTSIDE AIR AND EXHAUST DUCTWORK MUST BE PRE-FABRICATED PRE-INSULATED DOUBLE WALL DUCT.

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

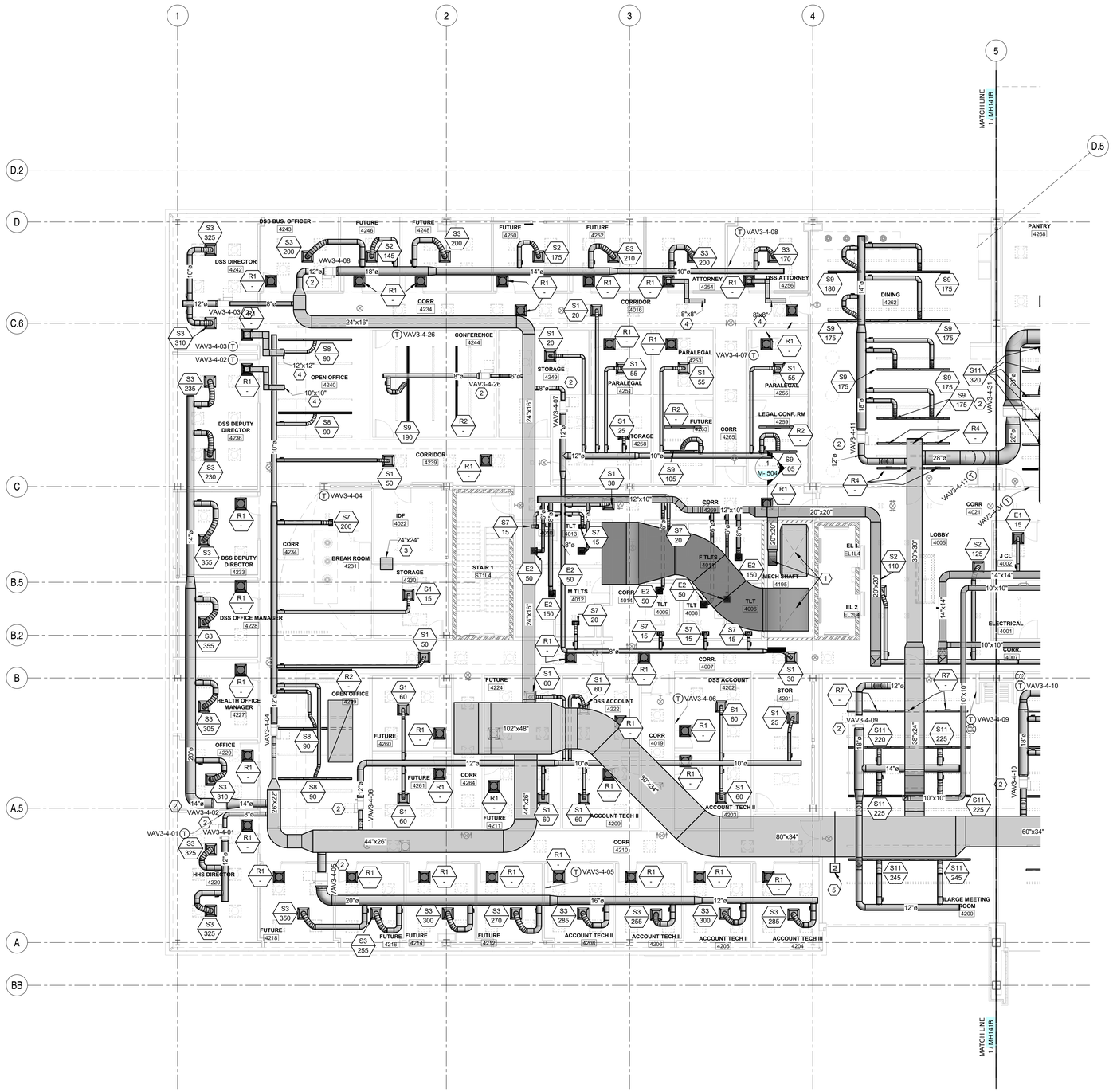
PRINCIPAL IN CHARGE: TOG
DESIGNER: WTB
DRAWN BY: WTB

SHEET TITLE:
MECHANICAL LEVEL 03 - HVAC - AREA B

SHEET NO. MH131B
PROJ. NO. 024370.00

PROJECT NORTH

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR ALL COPIES DESTROYED ON REQUEST AT THE COMPLETION OF THE PROJECT. THE REPRODUCTION, PUBLICATION OR USE OF THESE DRAWINGS, SPECIFICATIONS AND COPIES THEREOF WITHOUT THE EXPRESS WRITTEN PERMISSION OF MCMILLAN PAZDAN SMITH ARCHITECTURE IS STRICTLY PROHIBITED. ANY UNAUTHORIZED USE SHALL BE AT THE SOLE RISK OF THE USER AND WITHOUT LIABILITY TO MCMILLAN PAZDAN SMITH ARCHITECTURE. ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING COPYRIGHT, ARE RESERVED.



1 MH141A **PARTIAL FOURTH FLOOR PLAN AREA A**
1/8" = 1'-0"

KEYNOTES

1	INSTALL FIRE/SMOKE DAMPERS AT ALL HVAC DUCT PENETRATIONS THROUGH FIRE-RESISTANCE-RATED SHAFT WALLS AND FLOORS, IN ACCORDANCE WITH APPLICABLE BUILDING CODE AND NFPA STANDARDS. SEE DETAILS ON M-504 FOR FURTHER INFORMATION.
2	INSTALL NEW VAV TERMINAL UNIT WITH REHEAT COIL AT LOCATION SHOWN. MAINTAIN ALL MANUFACTURER-RECOMMENDED CLEARANCES FOR SERVICE ACCESS AND PROPER OPERATION.
3	PROVIDE DUCT OPENING AT LOCATION SHOWN, SIZE AS INDICATED, FOR RETURN AIR PATH.
4	PROVIDE Z-DUCT AT LOCATION SHOWN, SIZED AS INDICATED, FOR SOUND ATTENUATION AND RETURN AIR PATH. SEE 4/M-502 FOR FURTHER DETAILS.
5	INSTALL NORMALLY OPEN RTU3 SUPPLY FAIL OVER DAMPER IN THIS LOCATION.

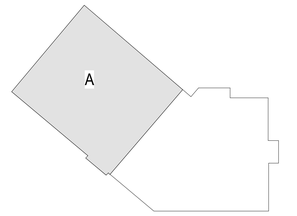
GENERAL NOTES

1. LINEAR DIFFUSERS/GRILLES SHALL BE INSTALLED CENTERED WITHIN THE CEILING GRID MODULE. INSTALLATION SHALL NOT BE OFFSET TO ONE SIDE OF THE GRID. WHERE REQUIRED, THE CIELING CONTRACTOR SHALL PROVIDE FULL FRAMING AND CUT-IN SUPPORT TO MAINTAIN A CENTERED INSTALLATION AT TEE LOCATIONS.
2. INSTALL DUCT SMOKE DETECTORS WITH-IN 5FT. OF ALL COMBINATION FIRE/SMOKE DAMPERS.
3. ALL EXPOSED SUPPLY, RETURN, OUTSIDE AIR AND EXHAUST DUCTWORK MUST BE PRE-FABRICATED PRE-INSULATED DOUBLE WALL DUCT.

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

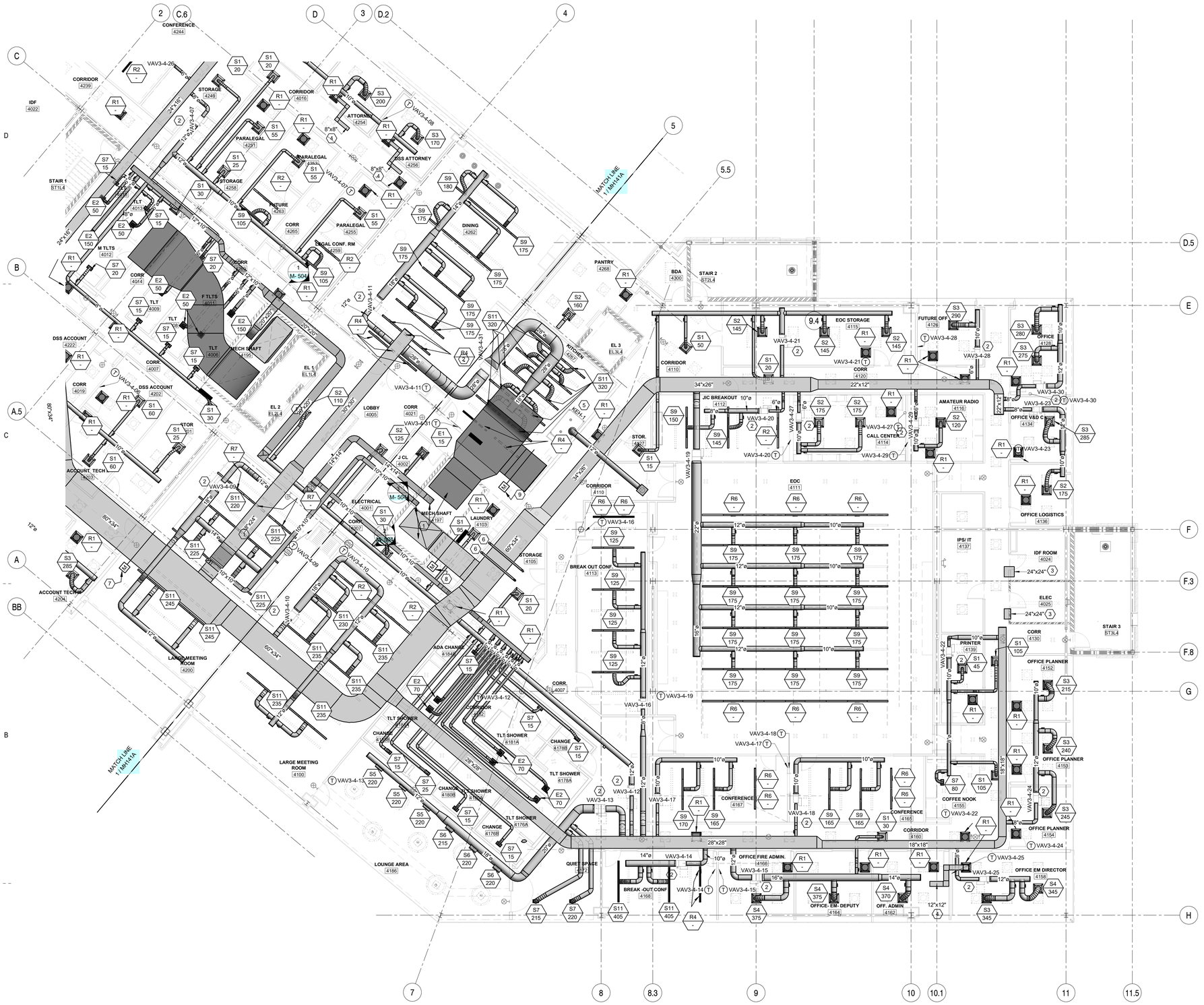
NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: WTB
DRAWN BY: WTB

SHEET TITLE:
MECHANICAL LEVEL 04 - HVAC - AREA A

SHEET NO. MH141A
PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THEY ARE NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED UPON REQUEST AT THE COMPLETION OF THE PROJECT. ALL REPRODUCTIONS OF THESE DRAWINGS, SPECIFICATIONS OR COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE AND NOT USED ON THE PROJECT, AND ALL COPIES THEREOF MADE BY ANY METHOD, SHALL BE DESTROYED OR RETURNED UNOPENED TO MCMILLAN PAZDAN SMITH ARCHITECTURE. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS.
ALL RIGHTS RESERVED



KEYNOTES

1	INSTALL FIRE/SMOKE DAMPERS AT ALL HVAC DUCT PENETRATIONS THROUGH FIRE-RESISTANCE--RATED SHAFT WALLS AND FLOORS, IN ACCORDANCE WITH APPLICABLE BUILDING CODE AND NFPA STANDARDS. SEE DETAILS ON M-504 FOR FURTHER INFORMATION.
2	INSTALL NEW VAV TERMINAL UNIT WITH REHEAT COIL AT LOCATION SHOWN. MAINTAIN ALL MANUFACTURER-RECOMMENDED CLEARANCES FOR SERVICE ACCESS AND PROPER OPERATION.
3	PROVIDE DUCT OPENING AT LOCATION SHOWN, SIZE AS INDICATED, FOR RETURN AIR PATH.
4	PROVIDE Z-DUCT AT LOCATION SHOWN, SIZED AS INDICATED, FOR SOUND ATTENUATION AND RETURN AIR PATH. SEE 4/M-502 FOR FURTHER DETAILS.
5	INSTALL KITCHEN HOOD AT LOCATION SHOWN. MAINTAIN MANUFACTURER'S RECOMMENDED CLEARANCES FOR SERVICE ACCESS AND PROPER OPERATION. SEE M-603 THROUGH M-606 FOR ADDITIONAL INFORMATION.
6	INSTALL NEW RECESSED DRYER VENT AT LOCATION SHOWN. MAINTAIN MANUFACTURER-RECOMMENDED CLEARANCES. ROUTE DRYER EXHAUST DUCTWORK UP AND CONNECT TO ROOF JACK ABOVE. SEE MH151B FOR CONTINUATION.
7	INSTALL NORMALLY OPEN RTU3 SUPPLY FAIL OVER DAMPER IN THIS LOCATION.
8	INSTALL NORMALLY OPEN RTU2 SUPPLY FAIL OVER DAMPER IN THIS LOCATION.
9	INSTALL NORMALLY CLOSED 4TH FLOOR RETURN FAIL OVER DAMPER IN THIS LOCATION.

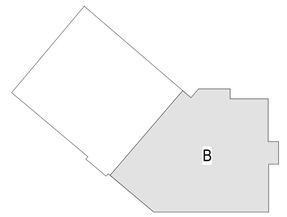
GENERAL NOTES

1. LINEAR DIFFUSERS/GRILLES SHALL BE INSTALLED CENTERED WITHIN THE CEILING GRID MODULE. INSTALLATION SHALL NOT BE OFFSET TO ONE SIDE OF THE GRID. WHERE REQUIRED, THE CIELING CONTRACTOR SHALL PROVIDE FULL FRAMING AND CUT-IN SUPPORT TO MAINTAIN A CENTERED INSTALLATION AT TEE LOCATIONS.
2. INSTALL DUCT SMOKE DETECTORS WITH-IN 5FT. OF ALL COMBINATION FIRE/SMOKE DAMPERS.
3. ALL EXPOSED SUPPLY, RETURN, OUTSIDE AIR AND EXHAUST DUCTWORK MUST BE PRE-FABRICATED PRE-INSULATED DOUBLE WALL DUCT.

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

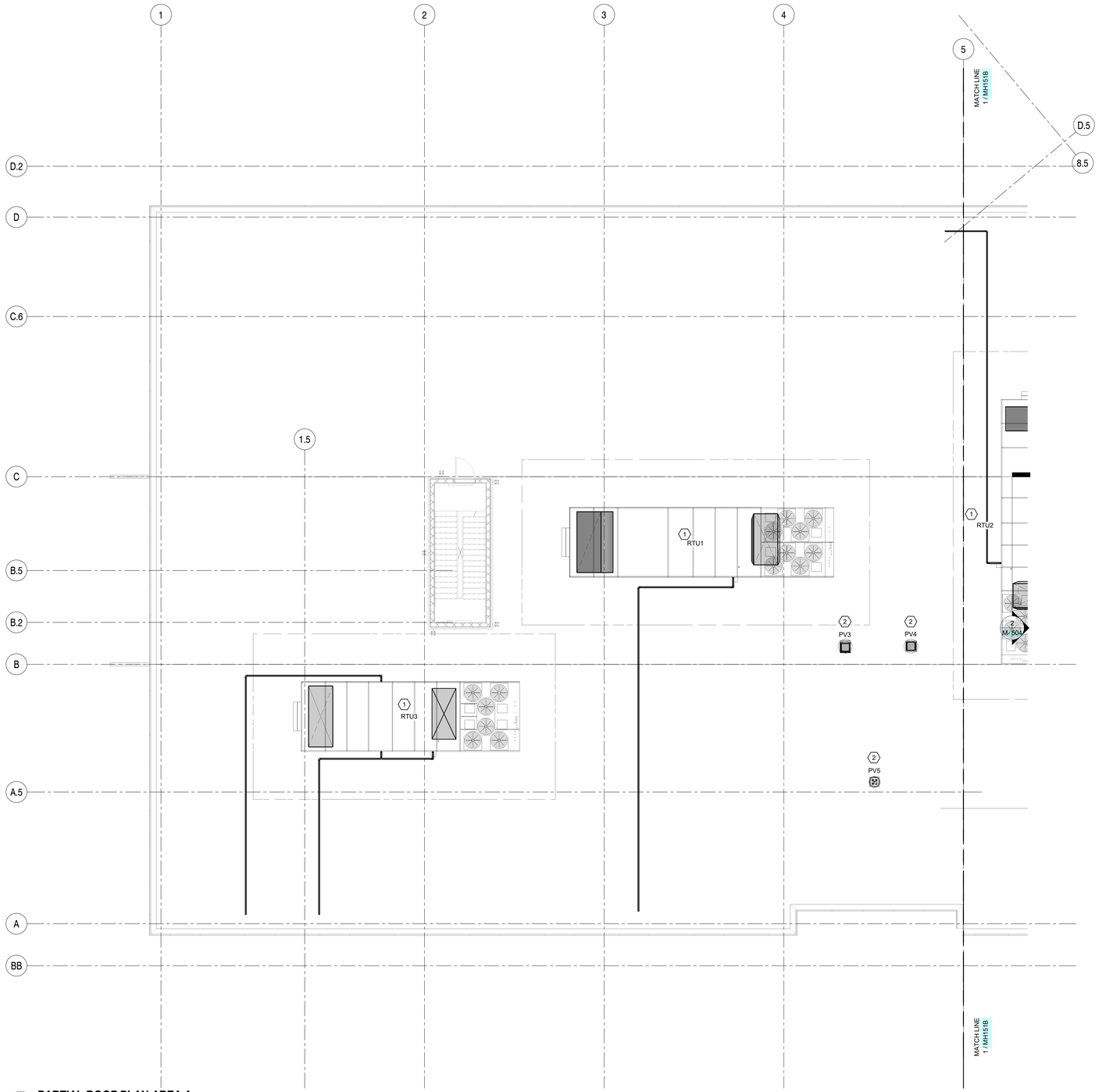
PRINCIPAL IN CHARGE: TOG
DESIGNER: WTB
DRAWN BY: WTB

SHEET TITLE:
MECHANICAL LEVEL 04 - HVAC - AREA B

SHEET NO. MH141B
PROJ. NO. 024370.00

PROJECT NORTH

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE; THEY ARE NOT TO BE USED IN ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED UPON REQUEST AT THE COMPLETION OF THE WORK. THEY SHALL NOT BE LOANED, COPIED OR SUBMITTED TO REGULATORY AUTHORITIES FOR RULE MAKING OR FILING WITHOUT THE PERMISSION OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING COPYRIGHT, ARE HEREBY EXPRESSLY RESERVED.
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE; THEY ARE NOT TO BE USED IN ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED UPON REQUEST AT THE COMPLETION OF THE WORK. THEY SHALL NOT BE LOANED, COPIED OR SUBMITTED TO REGULATORY AUTHORITIES FOR RULE MAKING OR FILING WITHOUT THE PERMISSION OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING COPYRIGHT, ARE HEREBY EXPRESSLY RESERVED.



1 MH151A **PARTIAL ROOF PLAN AREA A**
1/8" = 1'-0"

KEYNOTES

1	INSTALL ROOF TOP UNIT PER SCHEDULES AND SPECIFICATIONS ON NEW ROOF CURB; MAINTAIN ALL MANUFACTURER-RECOMMENDED CLEARANCES FOR SERVICE ACCESS AND PROPER OPERATION. REFER TO 1/M-502 FOR ADDITIONAL INFORMATION. FIELD ROUTE CONDENSATE PIPING TO NEAREST ROOF DRAIN. PROVIDE APPROPRIATE PIPE SUPPORTS PER CODE AND MANUFACTURER REQUIREMENTS. SEE 5/M-502 FOR ADDITIONAL INFORMATION.
2	INSTALL POWER VENTILATOR ON ROOF CURB AT LOCATION SHOWN. MAINTAIN ALL MANUFACTURER-RECOMMENDED CLEARANCES FOR MAINTENANCE AND PROPER OPERATION.

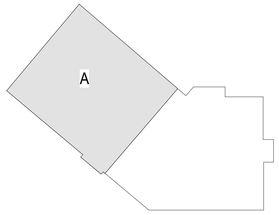
GENERAL NOTES

1. LINEAR DIFFUSERS/GRILLES SHALL BE INSTALLED CENTERED WITHIN THE CEILING GRID MODULE. INSTALLATION SHALL NOT BE OFFSET TO ONE SIDE OF THE GRID. WHERE REQUIRED, THE CIELING CONTRACTOR SHALL PROVIDE FULL FRAMING AND CUT-IN SUPPORT TO MAINTAIN A CENTERED INSTALLATION AT TEE LOCATIONS.
2. INSTALL DUCT SMOKE DETECTORS WITH-IN 5FT. OF ALL COMBINATION FIRE/SMOKE DAMPERS.
3. ALL EXPOSED SUPPLY, RETURN, OUTSIDE AIR AND EXHAUST DUCTWORK MUST BE PRE-FABRICATED PRE-INSULATED DOUBLE WALL DUCT.

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

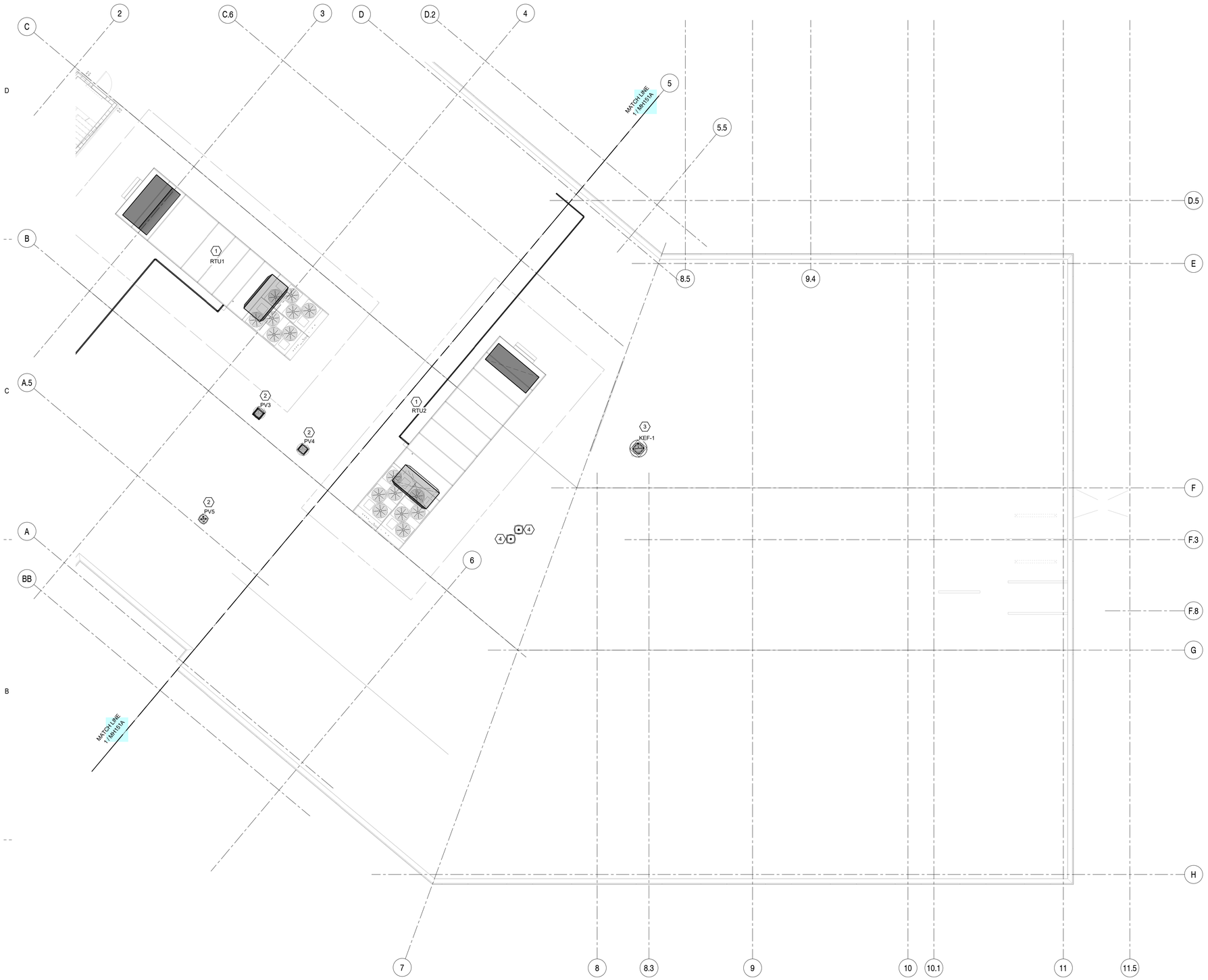
PRINCIPAL IN CHARGE: TOG
DESIGNER: WTB
DRAWN BY: WTB

SHEET TITLE:
MECHANICAL ROOF - HVAC - AREA A

SHEET NO. PROJ. NO. 024370.00

MH151A

ALL DRAWINGS, DESCRIPTIONS AND CONCEPTS THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY ANOTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED ON REQUEST AT THE COMPLETION OF THE PROJECT. ALL REPRODUCTIONS, COPIES OR ASSIGNMENTS MADE BY THE ARCHITECT OR BY OTHERS WITHOUT THE SPECIFIC WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE, UPON COMPLETION OF THE PROJECT, AMOUNTS TO A PREMATURE AND ILLEGAL PUBLICATION OF THE WORK. ALL COPYRIGHTS AND OTHER PROPERTY RIGHTS ARE RESERVED
ALL DRAWINGS, DESCRIPTIONS AND CONCEPTS THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY ANOTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED ON REQUEST AT THE COMPLETION OF THE PROJECT. ALL REPRODUCTIONS, COPIES OR ASSIGNMENTS MADE BY THE ARCHITECT OR BY OTHERS WITHOUT THE SPECIFIC WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE, UPON COMPLETION OF THE PROJECT, AMOUNTS TO A PREMATURE AND ILLEGAL PUBLICATION OF THE WORK. ALL COPYRIGHTS AND OTHER PROPERTY RIGHTS ARE RESERVED



1 MH151B **PARTIAL ROOF PLAN AREA B**
1/8" = 1'-0"

KEYNOTES

1	INSTALL ROOF TOP UNIT PER SCHEDULES AND SPECIFICATIONS ON NEW ROOF CURB; MAINTAIN ALL MANUFACTURER-RECOMMENDED CLEARANCES FOR SERVICE ACCESS AND PROPER OPERATION. REFER TO 1/M-502 FOR ADDITIONAL INFORMATION. FIELD ROUTE CONDENSATE PIPING TO NEAREST ROOF DRAIN. PROVIDE APPROPRIATE PIPE SUPPORTS PER CODE AND MANUFACTURER REQUIREMENTS. SEE 5/M-502 FOR ADDITIONAL INFORMATION.
2	INSTALL POWER VENTILATOR ON ROOF CURB AT LOCATION SHOWN. MAINTAIN ALL MANUFACTURER-RECOMMENDED CLEARANCES FOR MAINTENANCE AND PROPER OPERATION.
3	INSTALL KITCHEN EXHAUST FAN AT LOCATION SHOWN; MAINTAIN ALL MANUFACTURER-RECOMMENDED CLEARANCES FOR SERVICE ACCESS AND PROPER OPERATION. REFER TO M-604 FOR ADDITIONAL INFORMATION.
4	INSTALL ROOF JACK APPROPRIATELY SIZED AND LISTED FOR DRYER EXHAUST VENTING; COORDINATE WITH DRYER MANUFACTURER REQUIREMENTS AND INSTALL PER APPLICABLE CODES AND MANUFACTURER INSTRUCTIONS.

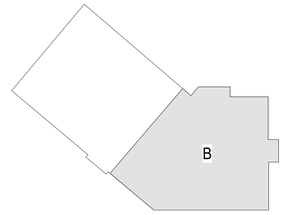
GENERAL NOTES

1. LINEAR DIFFUSERS/GRILLES SHALL BE INSTALLED CENTERED WITHIN THE CEILING GRID MODULE. INSTALLATION SHALL NOT BE OFFSET TO ONE SIDE OF THE GRID. WHERE REQUIRED, THE CIELING CONTRACTOR SHALL PROVIDE FULL FRAMING AND CUT-IN SUPPORT TO MAINTAIN A CENTERED INSTALLATION AT TEE LOCATIONS.
2. INSTALL DUCT SMOKE DETECTORS WITH-IN 5FT. OF ALL COMBINATION FIRE/SMOKE DAMPERS.
3. ALL EXPOSED SUPPLY, RETURN, OUTSIDE AIR AND EXHAUST DUCTWORK MUST BE PRE-FABRICATED PRE-INSULATED DOUBLE WALL DUCT.

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: WTB
DRAWN BY: WTB

SHEET TITLE:
MECHANICAL ROOF - HVAC - AREA B

SHEET NO. MH151B
PROJ. NO. 024370.00

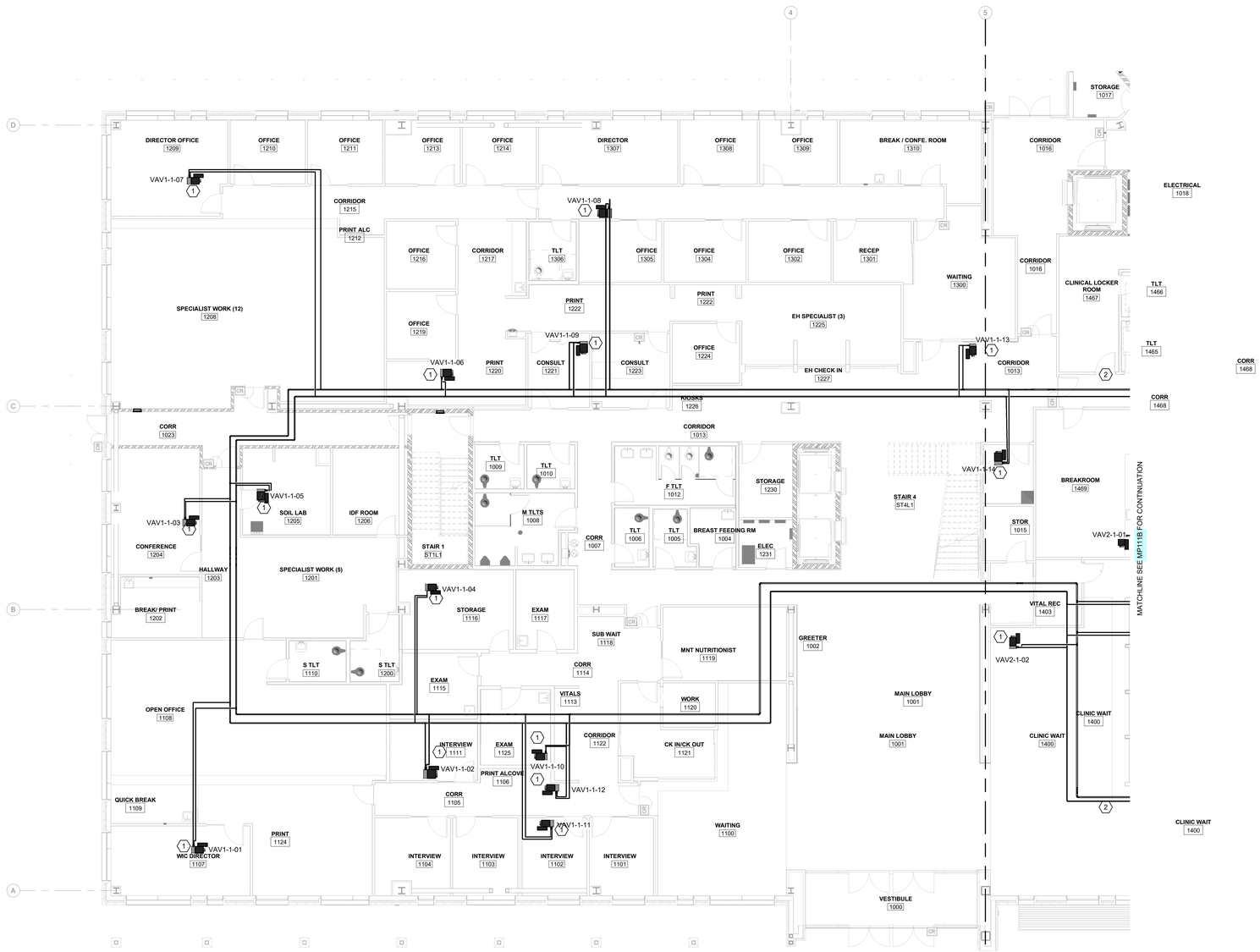
ALL DRAWINGS, SPECIFICATIONS AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY, DESTROYED AT THE END OF THE PROJECT. THE VISUAL CONTROLS AS REGARDS THE RESTRICTIONS ON THE USE OF THE DRAWINGS AND SPECIFICATIONS MAY BE DEEMED TO HAVE BEEN BREACHED IN THE EVENT OF PUBLICATION OF ANY PART OF THE DRAWINGS AND SPECIFICATIONS WITHOUT THE EXPRESS WRITTEN PERMISSION OF MCMILLAN PAZDAN SMITH ARCHITECTURE.
© COPYRIGHT MCMILLAN PAZDAN SMITH ARCHITECTURE
ALL RIGHTS RESERVED

GENERAL NOTES

1. SUSPEND PIPING FROM STRUCTURE ABOVE. ENSURE THAT PIPING PATH DOES NOT INTERFERE WITH EQUIPMENT.
2. REFER TO PIPING DIAGRAMS ON M-701 FOR SIZES, AND LOCATIONS OF THREE WAY VALVES.
3. MAINTAIN MANUFACTURER'S CLEARANCE REQUIREMENTS FOR EQUIPMENT.
4. MECHANICAL CONTRACTOR TO COORDINATE WITH OTHER TRADES PRIOR TO BEGINNING WORK.
5. REFER TO ARCHITECTURAL DRAWINGS FOR RATED ASSEMBLY UL NUMBERS (WALLS/CEILINGS, ETC.).

KEYNOTES

1	SUSPEND VAV BOX FROM STRUCTURE ABOVE. FIELD-ROUTE HOT WATER SUPPLY AND RETURN PIPING TO VAV BOX. REFER TO PIPING DIAGRAM FOR VALVE TYPES AND PIPE SIZES NOT SHOWN. SEE DETAILS 2 AND 3 ON M-502 FOR ADDITIONAL INFORMATION.
2	COORDINATE PIPE ROUTE WITH OTHER TRADES.

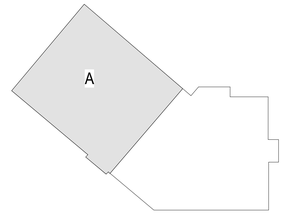


1 MP111A **PARTIAL FIRST FLOOR AREA A**
1/8" = 1'-0"

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: RWC
DRAWN BY: RWC

SHEET TITLE:
MECHANICAL LEVEL 01 - HYDRONIC PIPING - AREA A

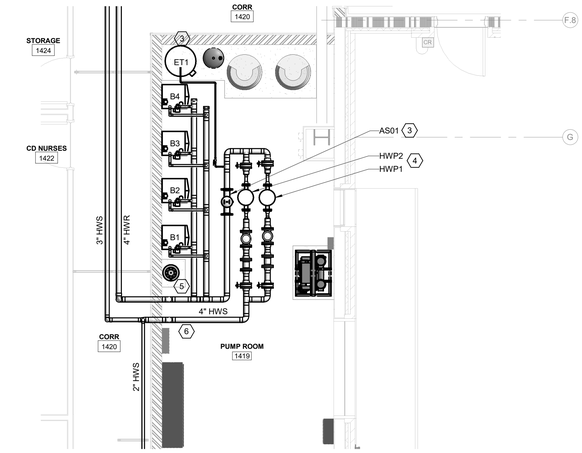
SHEET NO. MP111A
PROJ. NO. 024370.00

PROJECT NORTH

ALL DRAWINGS, SPECIFICATIONS AND CONCEPTS THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY, ACCEPTABLE ELECTRONIC DATA FORMATS SHALL BE DESTROYED AT THE END OF THE PROJECT. ALL REPRODUCTIONS, COPIES OR USES OF THIS PROJECT BY ANY MEANS WHATSOEVER, EXCEPT FOR THE PURPOSE EXPRESSLY AUTHORIZED IN WRITING BY MCMILLAN PAZDAN SMITH ARCHITECTURE, ARE FORBIDDEN. ANY UNAUTHORIZED USE, REPRODUCTION OR DISTRIBUTION IS PROHIBITED. COPYRIGHT © 2026 MCMILLAN PAZDAN SMITH ARCHITECTURE. ALL RIGHTS RESERVED



1 MP111B **PARTIAL FIRST FLOOR AREA B**
1/8" = 1'-0"



2 MP111B **PARTIAL FIRST FLOOR AREA B - PUMP ROOM**
1/4" = 1'-0"

GENERAL NOTES

1. SUSPEND PIPING FROM STRUCTURE ABOVE. ENSURE THAT PIPING PATH DOES NOT INTERFERE WITH EQUIPMENT.
2. REFER TO PIPING DIAGRAMS ON M-701 FOR SIZES, AND LOCATIONS OF THREE WAY VALVES.
3. MAINTAIN MANUFACTURER'S CLEARANCE REQUIREMENTS FOR EQUIPMENT.
4. MECHANICAL CONTRACTOR TO COORDINATE WITH OTHER TRADES PRIOR TO BEGINNING WORK.
5. REFER TO ARCHITECTURAL DRAWINGS FOR RATED ASSEMBLY UL NUMBERS (WALLS/CEILINGS, ETC.).

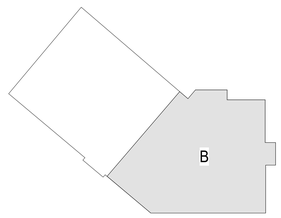
KEYNOTES

1	SUSPEND VAV BOX FROM STRUCTURE ABOVE. FIELD-ROUTE HOT WATER SUPPLY AND RETURN PIPING TO VAV BOX. REFER TO PIPING DIAGRAM FOR VALVE TYPES AND PIPE SIZES NOT SHOWN. SEE DETAILS 2 AND 3 ON M-502 FOR ADDITIONAL INFORMATION.
2	COORDINATE PIPE ROUTE WITH OTHER TRADES.
3	INSTALL AIR SEPARATOR INLINE, WHILE MAINTAINING ALL OF THE MANUFACTURERS RECOMMENDED CLEARANCES, SEE DETAIL 5/M-501 FOR MORE INFORMATION.
4	INSTALL INLINE WATER PUMPS SUSPENDEDED FROM CEILING, WHILE MAINTAINING ALL OF THE MANUFACTURERS RECOMMENDED CLEARANCES. SEE 6/M-501 FOR FURTHER INFORMATION.
5	INSTALL CHEMICAL SHOT FEEDER ACCORDING TO DETAIL 5/M-501.
6	SEE HOT WATER FLOW DIAGRAM ON SHEET M-701 FOR PIPE SIZES NOT SHOWN.

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: RWC
DRAWN BY: RWC

SHEET TITLE:
MECHANICAL LEVEL 01 - HYDRONIC PIPING - AREA B

SHEET NO. MP111B
PROJ. NO. 024370.00

GENERAL NOTES

1. SUSPEND PIPING FROM STRUCTURE ABOVE. ENSURE THAT PIPING PATH DOES NOT INTERFERE WITH EQUIPMENT.
2. REFER TO PIPING DIAGRAMS ON M-701 FOR SIZES, AND LOCATIONS OF THREE WAY VALVES.
3. MAINTAIN MANUFACTURER'S CLEARANCE REQUIREMENTS FOR EQUIPMENT.
4. MECHANICAL CONTRACTOR TO COORDINATE WITH OTHER TRADES PRIOR TO BEGINNING WORK.
5. REFER TO ARCHITECTURAL DRAWINGS FOR RATED ASSEMBLY UL NUMBERS (WALLS/CEILINGS, ETC.).

KEYNOTES

1	SUSPEND VAV BOX FROM STRUCTURE ABOVE. FIELD-ROUTE HOT WATER SUPPLY AND RETURN PIPING TO VAV BOX. REFER TO PIPING DIAGRAM FOR VALVE TYPES AND PIPE SIZES NOT SHOWN. SEE NOTES 2 AND 3 ON M-502 FOR ADDITIONAL INFORMATION.
2	COORDINATE PIPE ROUTE WITH OTHER TRADES.

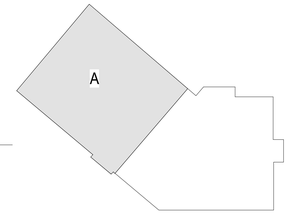


1 MP121A **PARTIAL SECOND FLOOR AREA A**
1/8" = 1'-0"

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: RWC
DRAWN BY: RWC

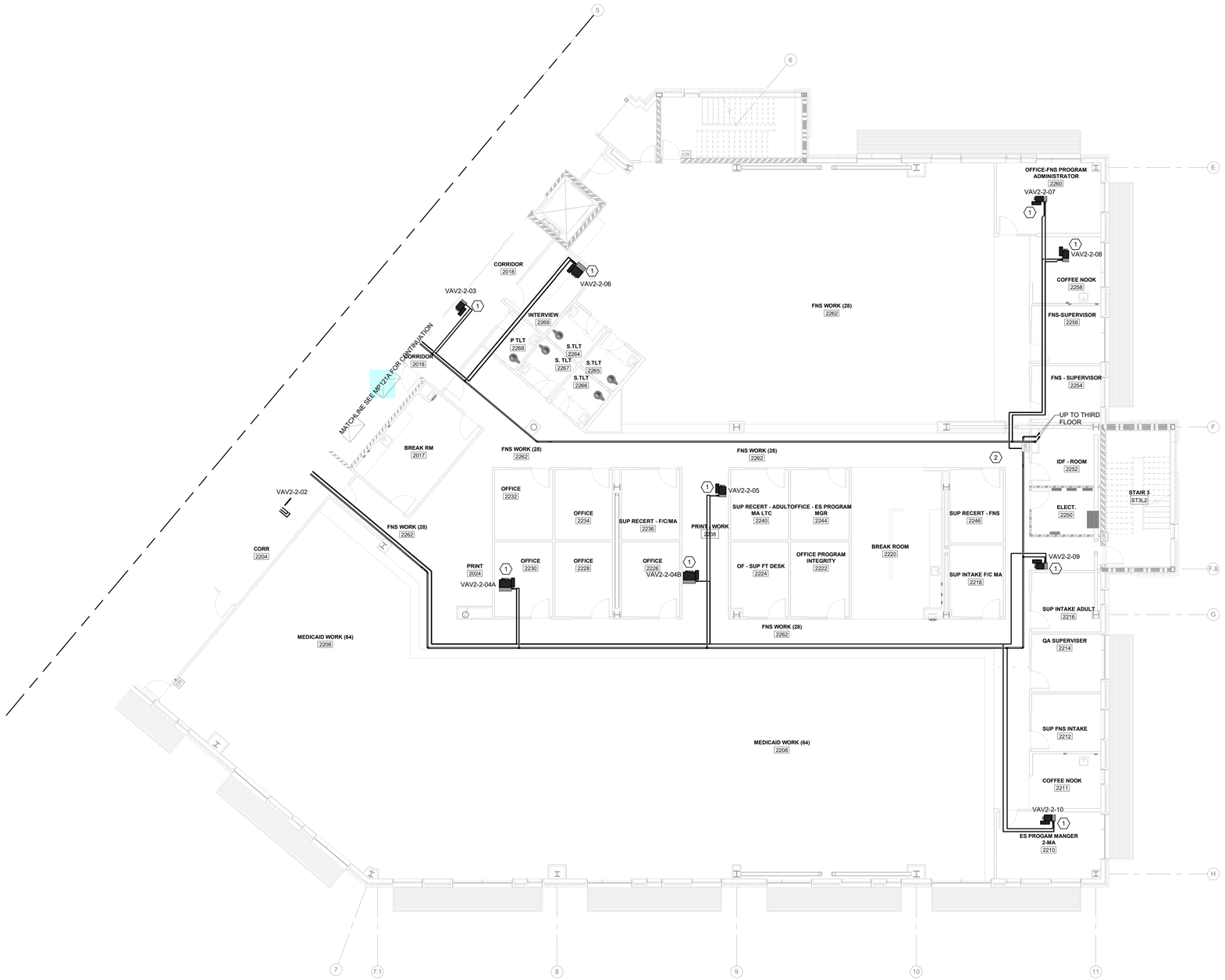
SHEET TITLE:
MECHANICAL LEVEL 02 - HYDRONIC PIPING - AREA A

SHEET NO. MP121A
PROJ. NO. 024370.00

PROJECT NORTH

ALL DRAWINGS, DESCRIPTION AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALL COPIES DESTROYED ON REQUEST AT THE COMPLETION OF THE PROJECT. THESE MATERIALS ARE NOT TO BE CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY, WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. IN THE EVENT OF UNAUTHORIZED REUSE BY OTHERS, MCMILLAN PAZDAN SMITH ARCHITECTURE WILL EXPECT TO BE COMPENSATED FOR ANY CLAIMS, LOSSES OR DAMAGES CAUSED BY SUCH UNAUTHORIZED REUSE.
ALL RIGHTS RESERVED

ALL DRAWINGS, SPECIFICATIONS AND CORES THEREOF ETC. PREPARED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THEY ARE NOT TO BE USED IN ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED UPON REQUEST AT THE COMPLETION OF THE WORK. THEY ARE NOT TO BE LOANED, COPIED OR SUBMITTED TO REGULATORY AGENCIES OR OTHERS WITHOUT THE PRIOR WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ALL COMMON LAW, STATUTORY AND OTHER RESERVED AND UNPUBLISHED RIGHTS, INCLUDING COPYRIGHT, ARE RESERVED. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED IN ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED UPON REQUEST AT THE COMPLETION OF THE WORK. THEY ARE NOT TO BE LOANED, COPIED OR SUBMITTED TO REGULATORY AGENCIES OR OTHERS WITHOUT THE PRIOR WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ALL COMMON LAW, STATUTORY AND OTHER RESERVED AND UNPUBLISHED RIGHTS, INCLUDING COPYRIGHT, ARE RESERVED



1 MP121B **PARTIAL SECOND FLOOR AREA B**
1/8" = 1'-0"

GENERAL NOTES

1. SUSPEND PIPING FROM STRUCTURE ABOVE. ENSURE THAT PIPING PATH DOES NOT INTERFERE WITH EQUIPMENT.
2. REFER TO PIPING DIAGRAMS ON M-701 FOR SIZES, AND LOCATIONS OF THREE WAY VALVES.
3. MAINTAIN MANUFACTURER'S CLEARANCE REQUIREMENTS FOR EQUIPMENT.
4. MECHANICAL CONTRACTOR TO COORDINATE WITH OTHER TRADES PRIOR TO BEGINNING WORK.
5. REFER TO ARCHITECTURAL DRAWINGS FOR RATED ASSEMBLY UL NUMBERS (WALLS/CEILINGS, ETC.).

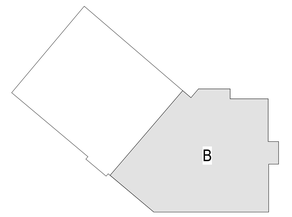
KEYNOTES

1	SUSPEND VAV BOX FROM STRUCTURE ABOVE. FIELD-ROUTE HOT WATER SUPPLY AND RETURN PIPING TO VAV BOX. REFER TO PIPING DIAGRAM FOR VALVE TYPES AND PIPE SIZES NOT SHOWN. SEE NOTES 2 AND 3 ON M-502 FOR ADDITIONAL INFORMATION.
2	COORDINATE PIPE ROUTE WITH OTHER TRADES.

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: RWC
DRAWN BY: RWC

SHEET TITLE:
MECHANICAL LEVEL 02 - HYDRONIC PIPING - AREA B

SHEET NO. MP121B
PROJ. NO. 024370.00

PROJECT NORTH

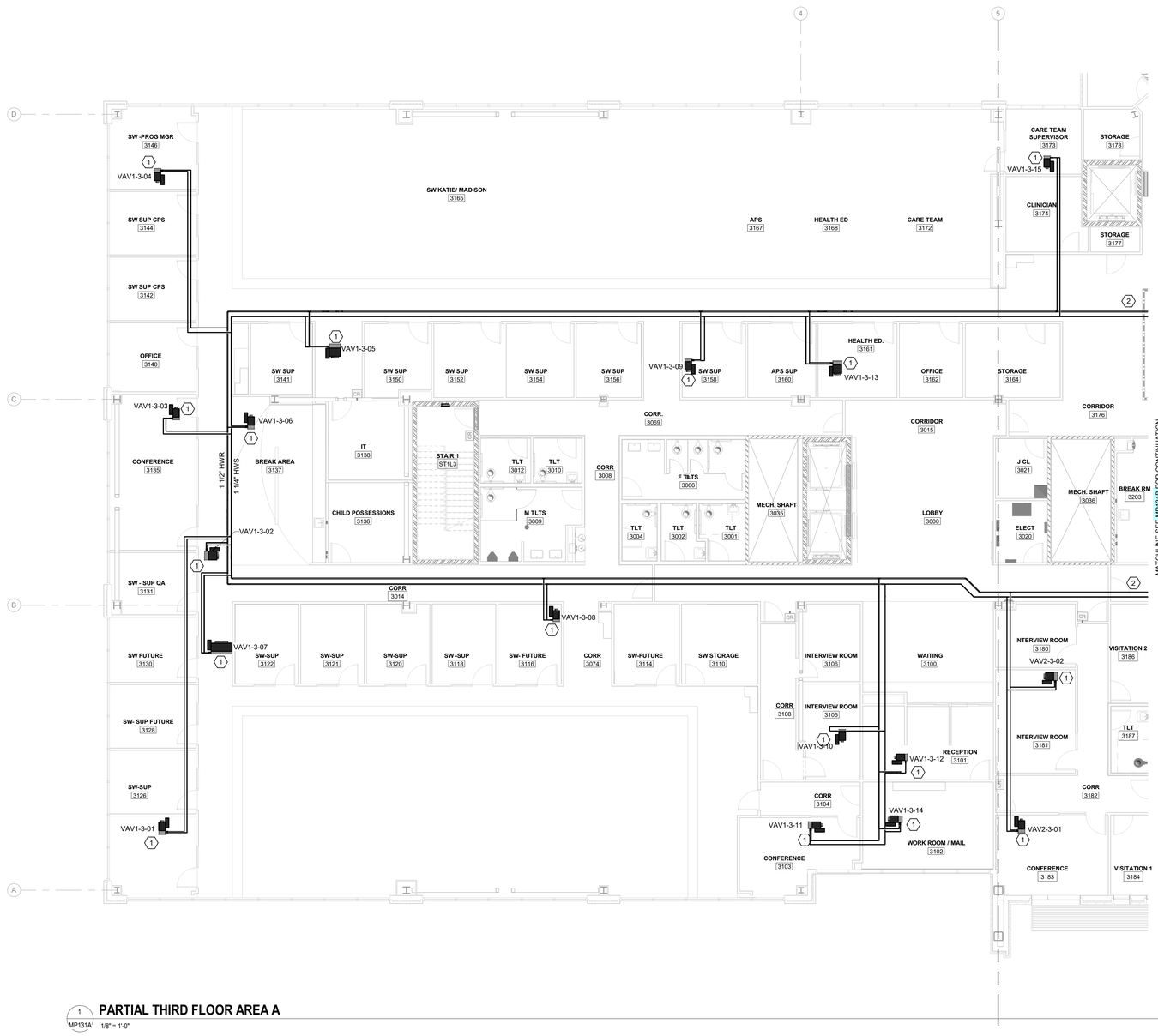
ALL DRAWINGS, SPECIFICATIONS AND CODES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY, ACKNOWLEDGED TO HAVE BEEN DESTROYED ON REQUEST. ALL REPRODUCTIONS, ALTERATIONS, ADDITIONS OR REVISIONS TO THESE DRAWINGS, IN WHOLE OR PART, WHETHER OR NOT OCCURRING DURING THE COURSE OF THE PROJECT, SHALL BE DONE WITH WRITTEN PERMISSION AND COMPENSATION FROM MPS.
ALL RIGHTS RESERVED

GENERAL NOTES

1. SUSPEND PIPING FROM STRUCTURE ABOVE. ENSURE THAT PIPING PATH DOES NOT INTERFERE WITH EQUIPMENT.
2. REFER TO PIPING DIAGRAMS ON M-701 FOR SIZES, AND LOCATIONS OF THREE WAY VALVES.
3. MAINTAIN MANUFACTURER'S CLEARANCE REQUIREMENTS FOR EQUIPMENT.
4. MECHANICAL CONTRACTOR TO COORDINATE WITH OTHER TRADES PRIOR TO BEGINNING WORK.
5. REFER TO ARCHITECTURAL DRAWINGS FOR RATED ASSEMBLY UL NUMBERS (WALLS/CEILINGS, ETC.).

KEYNOTES

1	SUSPEND VAV BOX FROM STRUCTURE ABOVE. FIELD-ROUTE HOT WATER SUPPLY AND RETURN PIPING TO VAV BOX. REFER TO PIPING DIAGRAM FOR VALVE TYPES AND PIPE SIZES NOT SHOWN. SEE NOTES 2 AND 3 ON M-502 FOR ADDITIONAL INFORMATION.
2	COORDINATE PIPE ROUTE WITH OTHER TRADES.

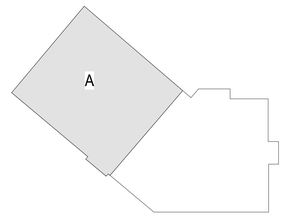


1 MP131A **PARTIAL THIRD FLOOR AREA A**
1/8" = 1'-0"

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 043801 TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

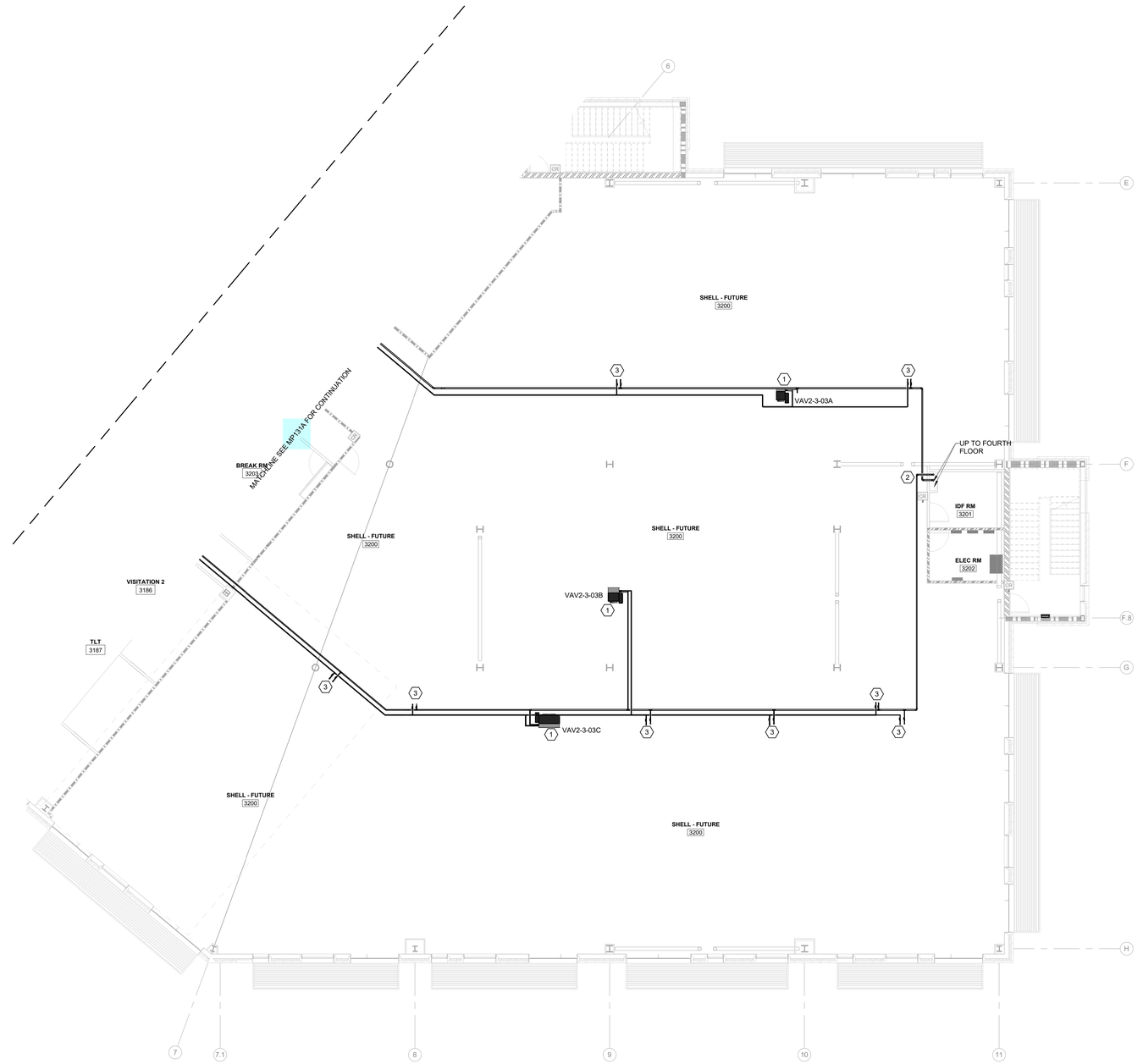
NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: RWC
DRAWN BY: RWC

SHEET TITLE:
MECHANICAL LEVEL 03 - HYDRONIC PIPING - AREA A

SHEET NO. MP131A
PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR ALL COPIES DESTROYED ON REQUEST AT THE COMPLETION OF THE PROJECT. THEY ARE NOT TO BE LOANED, COPIED OR REPRODUCED FOR OTHERS WITHOUT PRIOR WRITTEN CONSENT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR PURPOSES IN CONNECTION WITH THE PROJECT DOES NOT CONSTITUTE PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS.
ALL RIGHTS RESERVED



1 MP131B **PARTIAL THIRD FLOOR AREA B**
1/8" = 1'-0"

GENERAL NOTES

1. SUSPEND PIPING FROM STRUCTURE ABOVE. ENSURE THAT PIPING PATH DOES NOT INTERFERE WITH EQUIPMENT.
2. REFER TO PIPING DIAGRAMS ON M-701 FOR SIZES, AND LOCATIONS OF THREE WAY VALVES.
3. MAINTAIN MANUFACTURER'S CLEARANCE REQUIREMENTS FOR EQUIPMENT.
4. MECHANICAL CONTRACTOR TO COORDINATE WITH OTHER TRADES PRIOR TO BEGINNING WORK.
5. REFER TO ARCHITECTURAL DRAWINGS FOR RATED ASSEMBLY UL NUMBERS (WALLS/CEILINGS, ETC.).

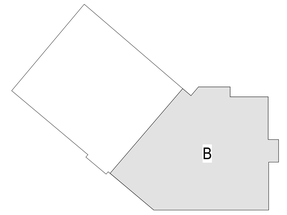
KEYNOTES

1	SUSPEND VAV BOX FROM STRUCTURE ABOVE. FIELD-ROUTE HOT WATER SUPPLY AND RETURN PIPING TO VAV BOX. REFER TO PIPING DIAGRAM FOR VALVE TYPES AND PIPE SIZES NOT SHOWN. SEE NOTES 2 AND 3 ON M-502 FOR ADDITIONAL INFORMATION.
2	COORDINATE PIPE ROUTE WITH OTHER TRADES.
3	3/4"-FUTURE VAV PIPING.ROUTE PIPING 12" ABOVE HEADER AND TOWARDS SPACE AS SHOWN. VALVE AND CAP PIPING.

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE:	02/06/2026
PHASE:	PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

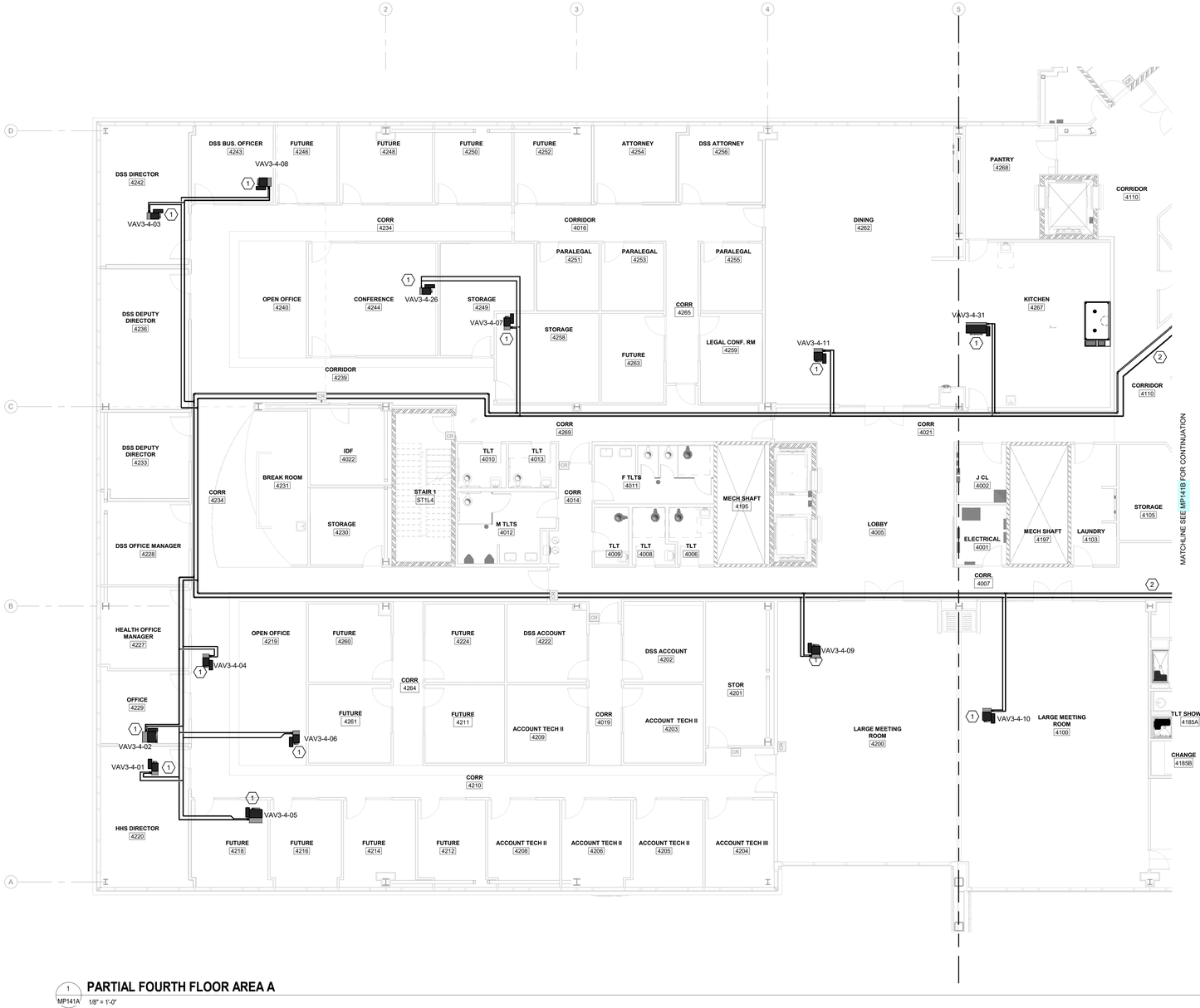
PRINCIPAL IN CHARGE:	TOG
DESIGNER:	RWC
DRAWN BY:	RWC

SHEET TITLE:
MECHANICAL LEVEL 03 - HYDRONIC PIPING - AREA B

SHEET NO. MP131B
PROJ. NO. 024370.00

PROJECT NORTH

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY, IN THE CASE OF COPIES STORED IN ANY PHYSICAL OR ELECTRONIC MEDIUM, DESTROYED AT THE END OF THE PROJECT. NO PART OF THESE MATERIALS MAY BE COPIED, REPRODUCED, DISTRIBUTED, TRANSMITTED, STORED IN A RETRIEVAL SYSTEM OR OTHERWISE USED WITHOUT THE PRIOR WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE, EXCEPT AGREEMENT FOR ONE-TIME REPRODUCTION FOR THE OWNER AND FOR USE BY THE OWNER AND THOSE AUTHORIZED BY THE OWNER FOR THE PROJECT. ANY UNAUTHORIZED USE, WITHOUT SPECIFIC WRITTEN PERMISSION AND ADAPTATION BY MCMILLAN PAZDAN SMITH ARCHITECTURE SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO MCMILLAN PAZDAN SMITH ARCHITECTURE. ALL RIGHTS RESERVED



1 MP141A **PARTIAL FOURTH FLOOR AREA A**
1/8" = 1'-0"

GENERAL NOTES

1. SUSPEND PIPING FROM STRUCTURE ABOVE. ENSURE THAT PIPING PATH DOES NOT INTERFERE WITH EQUIPMENT.
2. REFER TO PIPING DIAGRAMS ON M-701 FOR SIZES, AND LOCATIONS OF THREE WAY VALVES.
3. MAINTAIN MANUFACTURER'S CLEARANCE REQUIREMENTS FOR EQUIPMENT.
4. MECHANICAL CONTRACTOR TO COORDINATE WITH OTHER TRADES PRIOR TO BEGINNING WORK.
5. REFER TO ARCHITECTURAL DRAWINGS FOR RATED ASSEMBLY UL NUMBERS (WALLS/CEILINGS, ETC.).

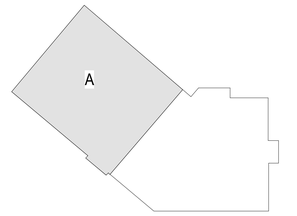
KEYNOTES

1	SUSPEND VAV BOX FROM STRUCTURE ABOVE. FIELD-ROUTE HOT WATER SUPPLY AND RETURN PIPING TO VAV BOX. REFER TO PIPING DIAGRAM FOR VALVE TYPES AND PIPE SIZES NOT SHOWN. SEE DETAILS 2 AND 3 ON M-502 FOR ADDITIONAL INFORMATION.
2	COORDINATE PIPE ROUTE WITH OTHER TRADES.

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

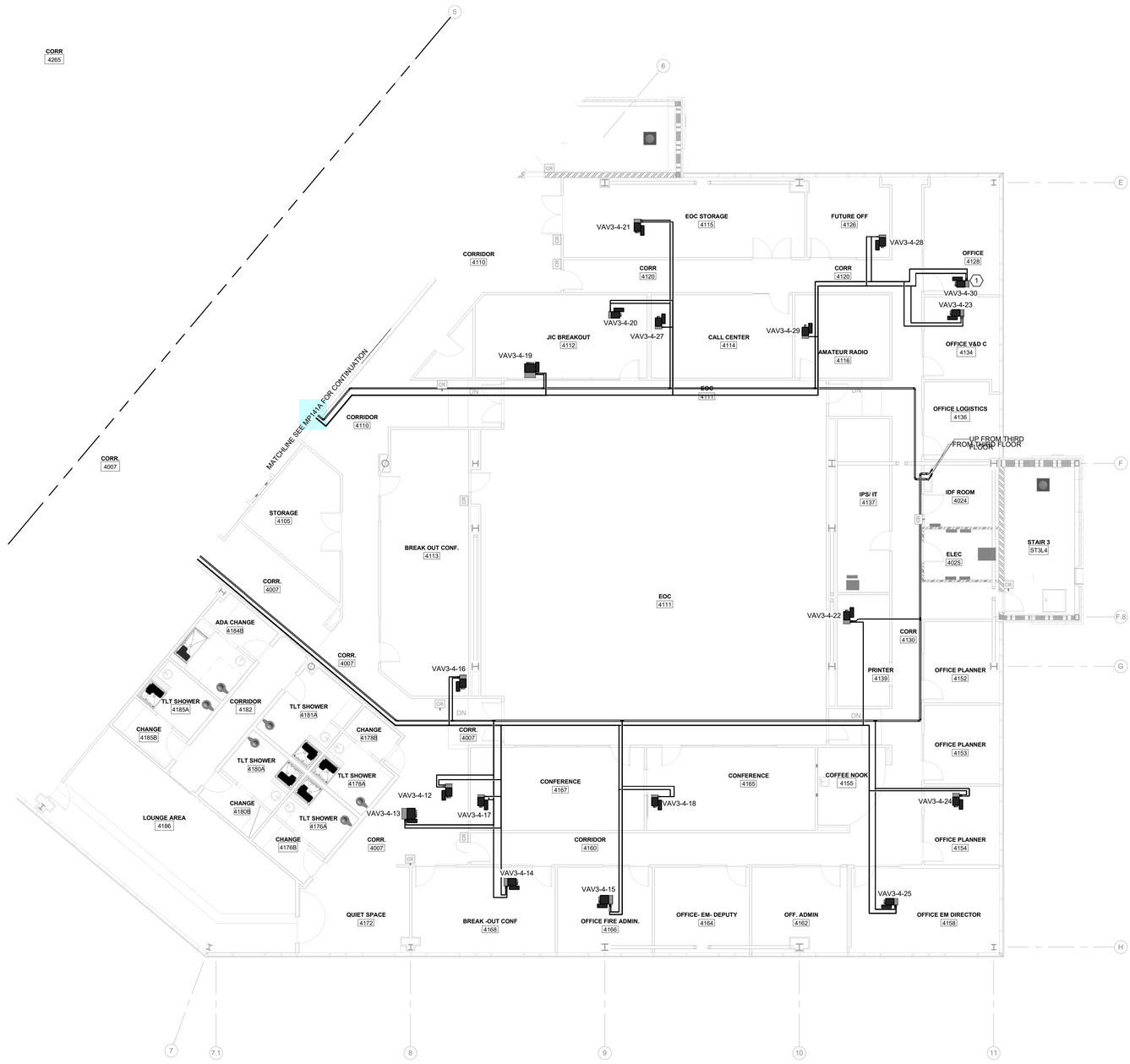
NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: RWC
DRAWN BY: RWC

SHEET TITLE:
MECHANICAL LEVEL 04 - HYDRONIC PIPING - AREA A

SHEET NO. MP141A
PROJ. NO. 024370.00

ALL DRAWINGS, DESCRIPTIONS AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED ON FINAL COMPLETION OF THE PROJECT. THEY ARE NOT TO BE LOANED, COPIED OR REPRODUCED WITHOUT THE WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. VISUAL CONTACT WITH THESE DRAWINGS OR SPECIFICATIONS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.
ALL RIGHTS RESERVED



1 MP141B **PARTIAL FOURTH FLOOR AREA B**
1/8" = 1'-0"

GENERAL NOTES

1. SUSPEND PIPING FROM STRUCTURE ABOVE. ENSURE THAT PIPING PATH DOES NOT INTERFERE WITH EQUIPMENT.
2. REFER TO PIPING DIAGRAMS ON M-701 FOR SIZES, AND LOCATIONS OF THREE WAY VALVES.
3. MAINTAIN MANUFACTURER'S CLEARANCE REQUIREMENTS FOR EQUIPMENT.
4. MECHANICAL CONTRACTOR TO COORDINATE WITH OTHER TRADES PRIOR TO BEGINNING WORK.
5. REFER TO ARCHITECTURAL DRAWINGS FOR RATED ASSEMBLY UL NUMBERS (WALLS/CEILINGS, ETC.).

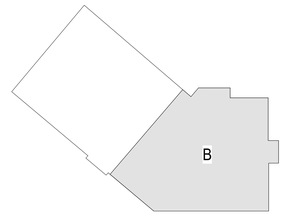
KEYNOTES

1	SUSPEND VAV BOX FROM STRUCTURE ABOVE. FIELD-ROUTE HOT WATER SUPPLY AND RETURN PIPING TO VAV BOX. REFER TO PIPING DIAGRAM FOR VALVE TYPES AND PIPE SIZES NOT SHOWN. SEE DETAILS 2 AND 3 ON M-502 FOR ADDITIONAL INFORMATION.

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

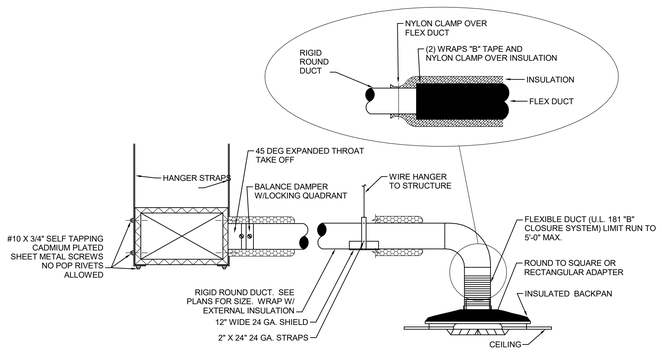
PRINCIPAL IN CHARGE: TOG
DESIGNER: RWC
DRAWN BY: RWC

SHEET TITLE:
MECHANICAL LEVEL 04 - HYDRONIC PIPING - AREA B

SHEET NO. MP141B
PROJ. NO. 024370.00

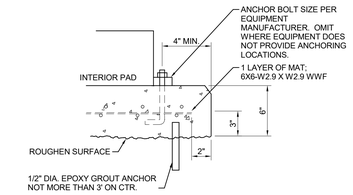
PROJECT NORTH

ALL DRAWINGS, DESCRIPTIONS AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE ARCHITECTURAL WORKS ARE COPYRIGHTED WORKS OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ANY USE OR DISCLOSURE, OTHER THAN THAT WHICH IS SPECIFICALLY AUTHORIZED IN WRITING BY MCMILLAN PAZDAN SMITH ARCHITECTURE, IS PROHIBITED. UNAUTHORIZED REPRODUCTION, PUBLICATION, PREPARATION OF DERIVATIVE WORKS, OR DISTRIBUTION OF COPIES OF THESE ARCHITECTURAL WORKS IS AN INFRINGEMENT OF COPYRIGHT. ALL RIGHTS RESERVED

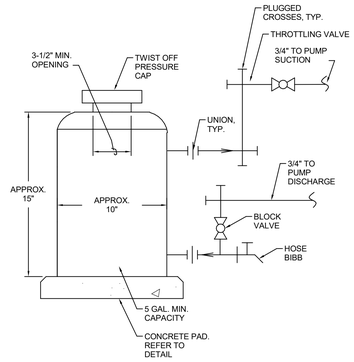


1 M-501 **TYPICAL DIFFUSER CONNECTION DETAIL**
NOT TO SCALE

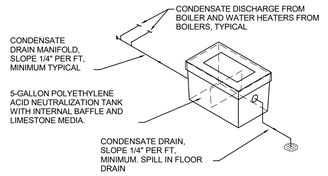
NOTE:
1. MESH SHALL BE FURNISHED IN SHEETS.
2. ALL PAD EDGES SHALL BE CHAMFERED.
3. CONCRETE COMPRESSIVE STRENGTH SHALL BE 4,000 PSI AT 28 DAYS
4. ONLY ANCHOR EQUIPMENT WITH MANUFACTURER SUPPLIED ANCHOR MOUNTS



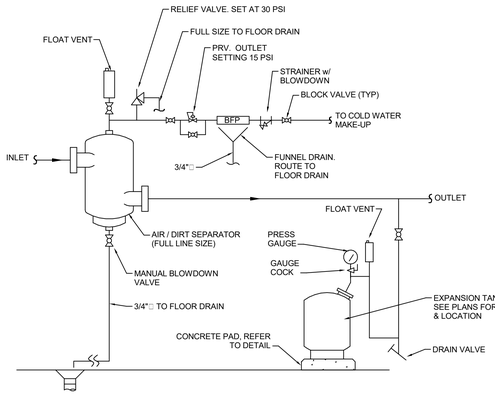
2 M-501 **INTERIOR CONCRETE EQUIPMENT PAD DETAIL**
NOT TO SCALE



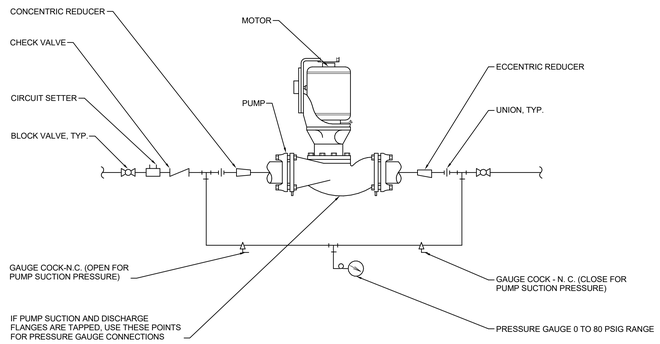
3 M-501 **SHOT FEEDER DETAIL**
NOT TO SCALE



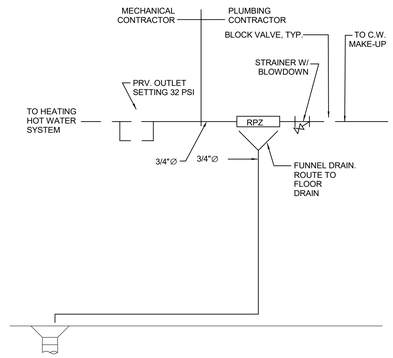
4 M-501 **CONDENSATION NEUTRALIZATION TANK DETAIL**
NOT TO SCALE



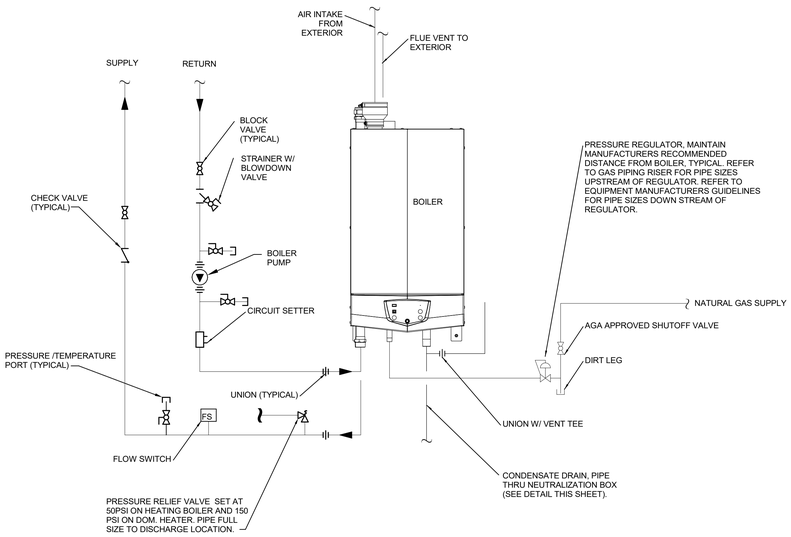
5 M-501 **AIR/DIRT SEPERATOR DETAIL**
NOT TO SCALE



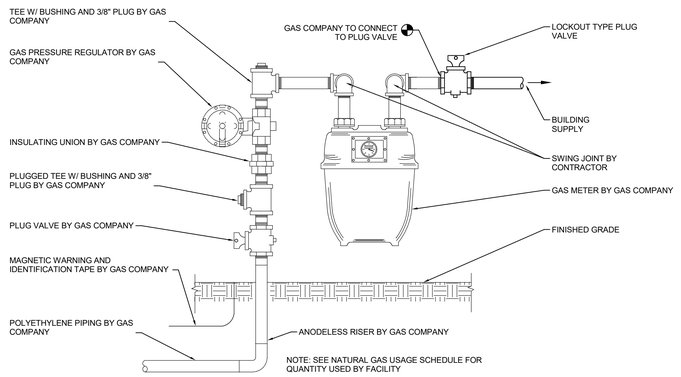
6 M-501 **IN-LINE CENTRIFUGAL PUMP DETAIL**
NOT TO SCALE



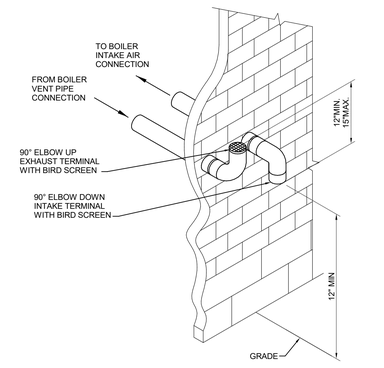
7 M-501 **MAKE UP WATER DETAIL**
NOT TO SCALE



8 M-501 **WALL HUNG BOILER DETAIL**
NOT TO SCALE



9 M-501 **GAS METER DETAIL**
NOT TO SCALE



10 M-501 **COMBUSTION AIR-EXHAUST WALL DETAIL**
NOT TO SCALE

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

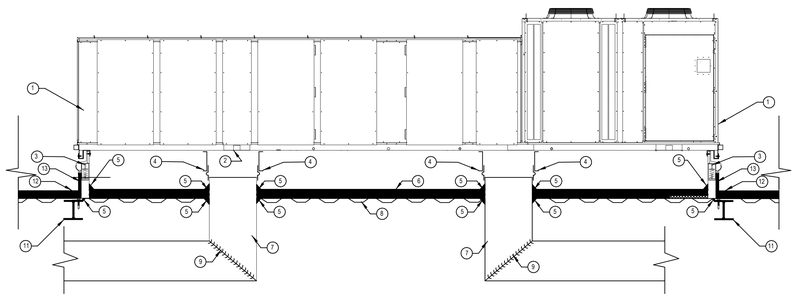
SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: TGG
DESIGNER: WTB
DRAWN BY: WTB

SHEET TITLE:
MECHANICAL DETAILS

SHEET NO. M-501
PROJ. NO. 024370.00



BY RTU UNIT MANUFACTURER

1. RTU-01, 02, 03
2. SA/RA UNIT OPENINGS

BY ACOUSTICAL MANUFACTURER

3. 2" DEFLECTION FULLY ASSEMBLED HUSH CURB ™
4. INTEGRAL CURB DUCT SUPPORTS
5. HUSH SEALANT™ OR APPROVED EQUAL ACOUSTICAL CAULK AT ALL DUCT DROPS & CURB PERIMETER
6. HUSHCORE™ DS-52 DECK SYSTEM OR APPROVED EQUAL IN-CURB ACOUSTICAL TREATMENT

BY HVAC CONTRACTOR

7. DUCT WORK
8. ROOF DECK FLASHED TO WITHIN 1" OF ALL DUCT DROPS BUT NOT IN CONTACT WITH DUCT WALL
9. TURNING VANE
10. SUBMIT LETTER OF CERTIFICATION FROM ACOUSTICAL SUPPLIER FOLLOWING INSPECTION

BY GENERAL CONTRACTOR

11. BUILDING STEEL
12. BUILT-UP ROOF OR CONCRETE
13. INSULATION AND CANT STRIP
14. CURB SLOPE REQUIREMENTS WHERE APPLICABLE

RTU NOISE REDUCTION SYSTEM

HUSHCORE™ ***PLUS™*** SYSTEM MODEL ***HSC-DS-52*** OR APPROVED EQUAL SHALL BE A SOLATION, 2" DEFLECTION, FULLY ADJUSTABLE AND FULLY ASSEMBLED CURB SYSTEM. THE COMPLETELY ISOLATED TOP AND BOTTOM STEEL STRUCTURAL FRAMES SHALL HAVE A CONTINUOUS FLEXIBLE WEATHERSEAL. THE SYSTEM SHALL BE CAPABLE OF SERVING AS A BLOCKING DEVICE DURING INSTALLATION. THE SPRINGS SHALL HAVE BUILT-IN LIMIT STOPS TO SNUB OUT WIND RESISTANCE. THE HUSH CURB™ OR APPROVED EQUAL SHALL BE DESIGNED AND CERTIFIED AS PER SPECIFIED WIND LOADS BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF NORTH CAROLINA. THE HUSH CURB™ OR APPROVED EQUAL SHALL BE 24" HIGH AND SHIPPED COMPLETELY ASSEMBLED. FACTORY CURBS WITH A SECONDARY VIBRATION RAIL KIT ARE NOT ACCEPTABLE. THE HUSH CURB™ OR APPROVED EQUAL SHALL HAVE A FIELD INSTALLED IN-CURB ***DS-52*** OR APPROVED EQUAL SOUND PACKAGE FOR RADIATED NOISE. MATERIALS SHALL MEET CLASS "A" PER ASTM E84 FOR FLAMMABILITY. THE MULTI-LAYER COMPOSITE SYSTEM SHALL HAVE A NOMINAL INSTALLED HEIGHT OF 8" WITH TRANSMISSION LOSS RATINGS AS LISTED BELOW IN ACCORDANCE WITH ASTM-E-90-10. HUSH SEALANT™ MODEL HSAC-100 ACOUSTICAL GRADE CAULK OR APPROVED EQUAL SHALL BE USED AROUND ALL CURB PERIMETER EDGES AND AROUND ALL CURB OPENINGS AS DETAILED ABOVE AFTER DECKING IS FLASHED TO WITHIN 1" WITHOUT CONTACTING THE DUCT WALL. FAN NOISE SOUND ATTENUATION SHALL BE AS SCHEDULED ON THE DRAWINGS OR AS LISTED IN THE SPECIFICATIONS. A LETTER OF CERTIFICATION SHALL BE ISSUED BY THE ACOUSTICAL SYSTEM SUPPLIER STATING THE COMPLETE SYSTEM HAS BEEN PROPERLY INSTALLED PRIOR TO SETTING THE UNITS. PRODUCTS AND SYSTEMS SHALL BE BY BRD NOISE AND VIBRATION CONTROL, INC., WIND GAP, PA - (810) 863-6300, WWW.HUSHCORE.NET OR APPROVED EQUAL.

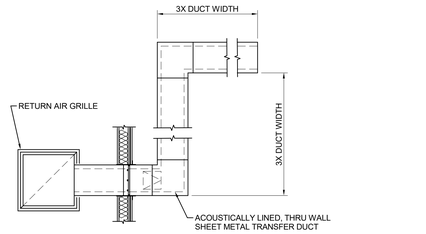
PERFORMANCE

TO ASSURE OPTIMIZED AERODYNAMIC AND ACOUSTIC PERFORMANCE AS WELL AS PROPER INTEGRATION AND COORDINATION OF THE FINAL INSTALLATION, THE HUSHCORE™ SYSTEM OR APPROVED EQUAL SHALL BE SUPPLIED BY THE ROOFTOP UNIT MANUFACTURER AS PART OF A TURNKEY PACKAGE. THE HUSH CURB™ OR APPROVED EQUAL SHALL PROVIDE MINIMUM 85% VIBRATION ISOLATION EFFICIENCY. HUSHCORE™ MODEL ***HSC-DS-52*** OR APPROVED EQUAL IN-CURB ACOUSTICAL TREATMENT PERFORMANCE SHALL BE TESTED IN ACCORDANCE WITH PROCEDURE ASTM E-90-10. THE ASSEMBLY SHALL BE RATED AT NOT LESS THAN STC-52 WITH 1/3 OCTAVE PERFORMANCE VALUES AS LISTED BELOW FOR SOUND RADIATION THROUGH THE DECK INSIDE THE CURB.

(Transmission Loss) in accordance with ASTM E-90-10																					
Freq. (Hz)	80	100	125	160	200	250	315	400	500	630	800	1K	1.25K	1.6K	2K	2.5K	3.15K	4K	5K	6.3K	8K	STC
Transmission Loss (dB)	26	27	33	32	35	42	45	45	50	56	59	60	62	63	64	65	67	71	74	78	80	52

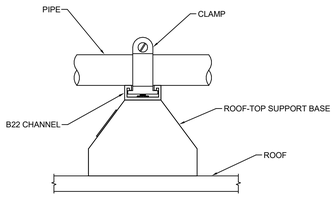
1 M-502 **TYPICAL RTU ACCOUSTICAL CURB DETAIL**

NOT TO SCALE



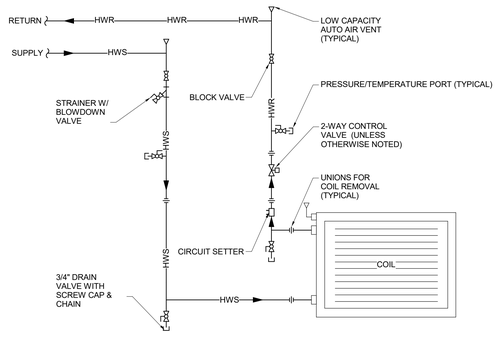
5 M-502 **TYPICAL Z-DUCT RETURN AND TRANSFER DETAIL**

NOT TO SCALE



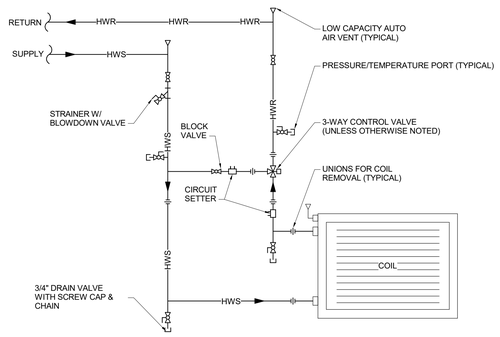
6 M-502 **ROOF TOP PIPE SUPPORT**

NOT TO SCALE



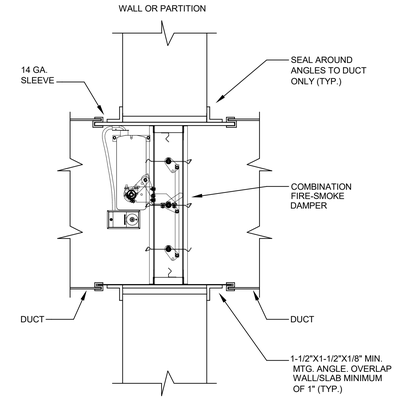
2 M-502 **HOT WATER COIL PIPING 2 WAY DETAIL**

NOT TO SCALE



3 M-502 **HOT WATER COIL PIPING 3 WAY DETAIL**

NOT TO SCALE

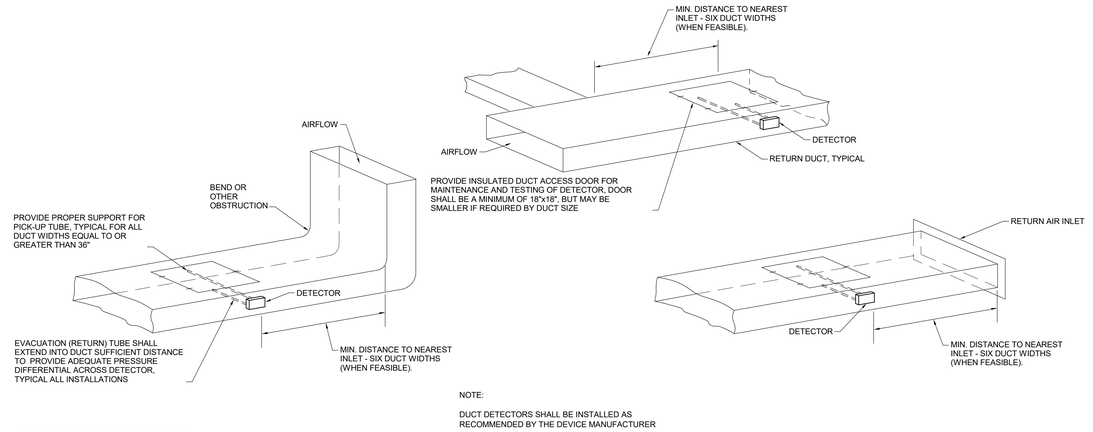


NOTE:

1. PROVIDE DUCT ACCESS DOOR.
2. PROVIDE ALL CEILING, FLOOR, AND WALL ACCESS DOORS NECESSARY FOR ACCESS TO FIRE DAMPER.
3. INSTALLATION SHALL COMPLY WITH SMACNA, NFPA-90A, SBC, UL555 AND LOCAL AUTHORITIES.
4. BLANKET INSULATION SHALL BE INSTALLED OVER ANGLES AND SEALED TO WALL.
5. DUCT SMOKE DETECTOR SHALL BE INSTALLED WITHIN 5FT OF COMBINATION FIRE/SMOKE DAMPERS. DETECTOR SHALL BE FURNISHED BY FIRE ALARM CONTRACTOR AND INSTALLED BY MECHANICAL CONTRACTOR.

4 M-502 **FIRE-SMOKE DAMPER**

NOT TO SCALE



NOTE:

DUCT DETECTORS SHALL BE INSTALLED AS RECOMMENDED BY THE DEVICE MANUFACTURER

7 M-502 **DUCT SMOKE DETECTOR**

NOT TO SCALE

ALL DRAWINGS, DESCRIPTIONS AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED ON FINAL COMPLETION OF THE PROJECT. THEY ARE NOT TO BE LOANED, COPIED OR REPRODUCED FOR ANY PURPOSE WHATSOEVER WITHOUT THE EXPRESS WRITTEN PERMISSION OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ANY UNAUTHORIZED USE, REPRODUCTION OR DISTRIBUTION OF THESE DOCUMENTS IS STRICTLY PROHIBITED.
ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE:	02/06/2026
PHASE:	PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE:	TOG
DESIGNER:	WTB
DRAWN BY:	WTB

SHEET TITLE:

MECHANICAL DETAILS

SHEET NO. M-502

PROJ. NO. 024370.00

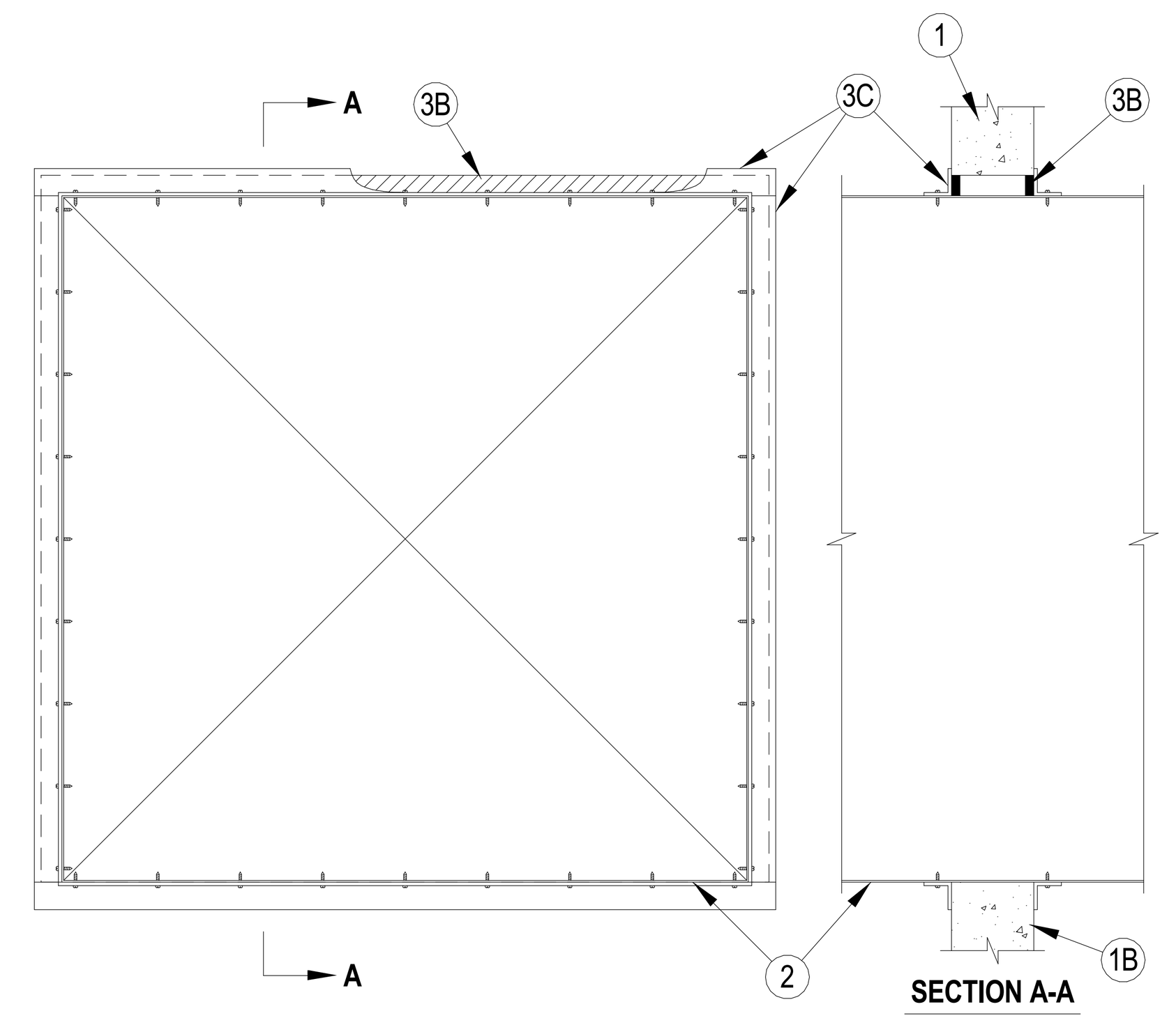
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

System No. W-J-7109

WJ 7109

CLASSIFIED C UL US
Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 2 Hr	F Rating — 2 Hr
T Rating — 0 Hr	FT Rating — 0 Hr
L Rating At Ambient — Less Than 1 CFM/sq ft	FH Rating — 2 Hr
L Rating At 400 F — Less Than 1 CFM/sq ft	FTH Rating — 0 Hr
	L Rating At Ambient — Less Than 1 CFM/sq ft
	L Rating At 400 F — Less Than 1 CFM/sq ft



1. Wall Assembly — Min 6 in. (152 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max area of opening is 73.7 sq ft (6.85 m2) with a max dimension of 104 in. (2.64 m).
See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.

Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of
Underwriters Laboratories, Inc.
October 30, 2017

Page: 1 of 2

System No. W-J-7109

WJ 7109

2. Steel Duct — Max 100 in. by 100 in. (2.5 by 2.5 m) galv steel duct to be installed either concentrically or eccentrically within the firestop system. The duct shall be constructed and reinforced in accordance with SMACNA construction standards. The space between the steel duct and periphery of opening shall be min 0 in. (point contact) to max 2 in. (51 mm). Steel duct to be rigidly supported on both sides of the wall assembly.
2A. Through-Penetrants — Coated Ducts* — As an alternate to Item 2, rectangular steel air duct supplied coated with BW11 coating material. Max 40 by 40 in. (1.02 by 1.02 m) duct size. One duct to be installed within the firestop system with an annular space of min 0 in. (point contact) to max 2 in. (51 mm). Reinforcement stiffener or transverse joint with bolted flanges shall be located approximately at the mid depth of the annular space. Duct to be rigidly supported on both sides of the wall assembly. Duct sections shall be assembled using bolted flanges or SMACNA approved Transverse Joint Reinforcements.
FIRESPRAY INTERNATIONAL LTD — FLAMEBAR BW11 FIRE RATED DUCTWORK
3. Firestop System — The firestop system shall consist of the following:
A. Packing Material — (Optional, Not Shown) — Polyethylene backer rod, mineral wool batt insulation or fiberglass batt insulation friction fitted into annular space. Packing material to be recessed from both surfaces of wall to accommodate the required thickness of fill material.
A1. Packing Material — Required as specified in Table below. Min 3-3/4 in. (95 mm) thickness of min 4 pcf (64 kg/m3) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from both surfaces of wall to accommodate the required thickness of fill material.
B. Fill, Void or Cavity Material* — Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall. Min 1/4 in. (6 mm) diam bead of fill material shall be applied at the point contact location between the duct and the wall.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant or FS-ONE MAX Intumescent Sealant or CP606
C. Steel Retaining Angles — Min No. 16 gauge galv steel angles sized to lap steel duct a min of 2 in. (51 mm) and to lap wall surfaces a min of 1 in. (25 mm). When max duct dimension does not exceed 48 in. and duct area does not exceed 1300 in2, angles may be min No. 18 gauge galv steel. Angles attached to steel duct or coated duct on both sides of wall with min No. 10 by 1/2 in. (13 mm) long steel sheet metal screws located a max of 1 in. (25 mm) from each end of duct and spaced a max of 6 in. (152 mm) OC. Steel angles are optional for those sides of duct that do not exceed the dimension specified in Table below, dependent on packing material and annular space as specified.

Max Duct Dimension	Duct Thickness	Annular Space	Packing Material	Angle (Item 3C) Required
24 in. (610 mm)	24 ga or heavier	1/2 in. min to 1 in. max (13 to 25 mm)	Item 3A1	No

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of
Underwriters Laboratories, Inc.
October 30, 2017

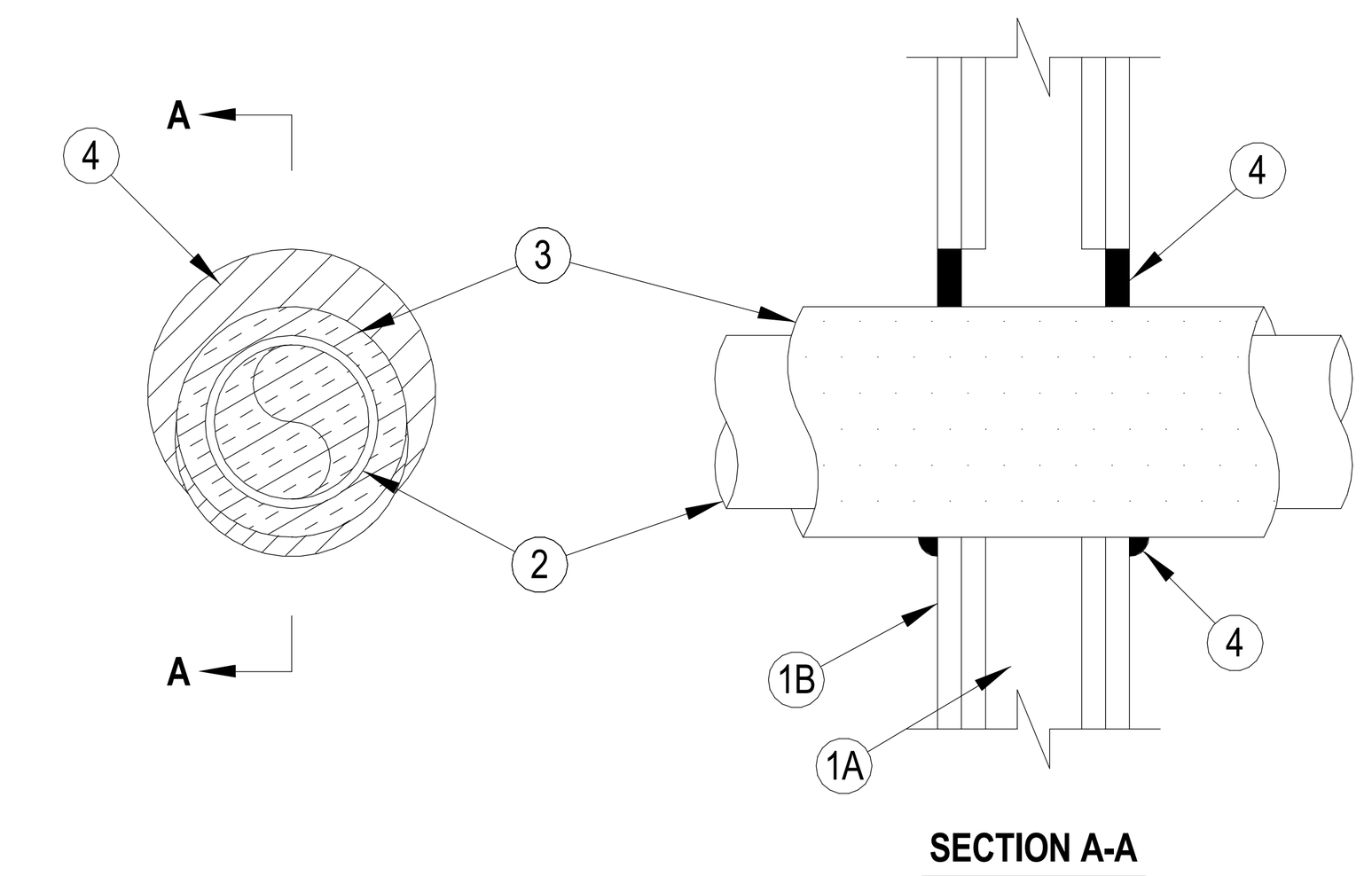
Page: 2 of 2

System No. W-L-5028

WL 5028

CLASSIFIED C UL US
Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings — 1 and 2 Hr (See Item 1)	F Ratings — 1 and 2 Hr (See Item 1)
T Ratings — 0, 3/4 and 1 Hr (See Item 3)	FT Ratings — 0, ¾ and 1 Hr (See Item 3)
L Rating At Ambient — Less Than 1 CFM/sq ft	FH Ratings — 1 and 2 Hr (See Item 1)
L Rating At 400 F — Less Than 1 CFM/sq ft	FTH Ratings — 0, 3/4 and 1 Hr (See Item 3)
	L Rating At Ambient — Less Than 1 CFM/sq ft
	L Rating At 400 F — Less Than 1 CFM/sq ft



1. Wall Assembly — The 1 or 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC.
B. Gypsum Board* — 5/8 in. (16 mm) thick, 4 ft (1.22 m) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max diam of opening is 7-1/2 in. (191 mm).
The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.
2. Through Penetrants — One metallic pipe or tubing to be centered within the firestop system. Pipe or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes or tubing may be used:
A. Steel Pipe — Nom 4 in. (102 mm) diam (or smaller) Schedule 40 (or heavier) steel pipe.
B. Copper Tubing — Nom 2 in. (51 mm) diam (or smaller) Type L (or heavier) copper tubing.
C. Copper Pipe — Nom 2 in. (51 mm) diam (or smaller) Regular (or heavier) copper pipe.

Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of
Underwriters Laboratories, Inc.
January 27, 2015

Page: 1 of 2

System No. W-L-5028

WL 5028

3. Tube Insulation — Plastics+ — Min 1/2 in. (13 mm) to max 1 in. (25 mm) thick acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam furnished in the form of tubing. An annular space of min 0 in. (point contact) to max 1-1/2 in. (38 mm) is required within the firestop system. The T, FT and FTH Ratings are 1 hr when the 1 in. (25 mm) thick tube insulation is used and 3/4 hr when the 3/4 in. (19 mm) thick tube insulation is used. When tube insulation thickness is less than 3/4 in. (19 mm), the T, FT and FTH Ratings are 0 Hr.
See Plastics+ (QMFZ2) category in the Recognized Component Directory for names of manufacturers. Any Recognized Component tube insulation material meeting the above specifications and having a UL 94 Flammability Classification of 94-5VA may be used.
4. Fill, Void or Cavity Material* — Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall. At the point contact location between pipe covering and gypsum board, a min 1/2 in. (13 mm) diam bead of fill material shall be applied at the pipe covering/gypsum board interface on both surfaces of wall.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant or FS-ONE MAX Intumescent Sealant
* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of
Underwriters Laboratories, Inc.
January 27, 2015

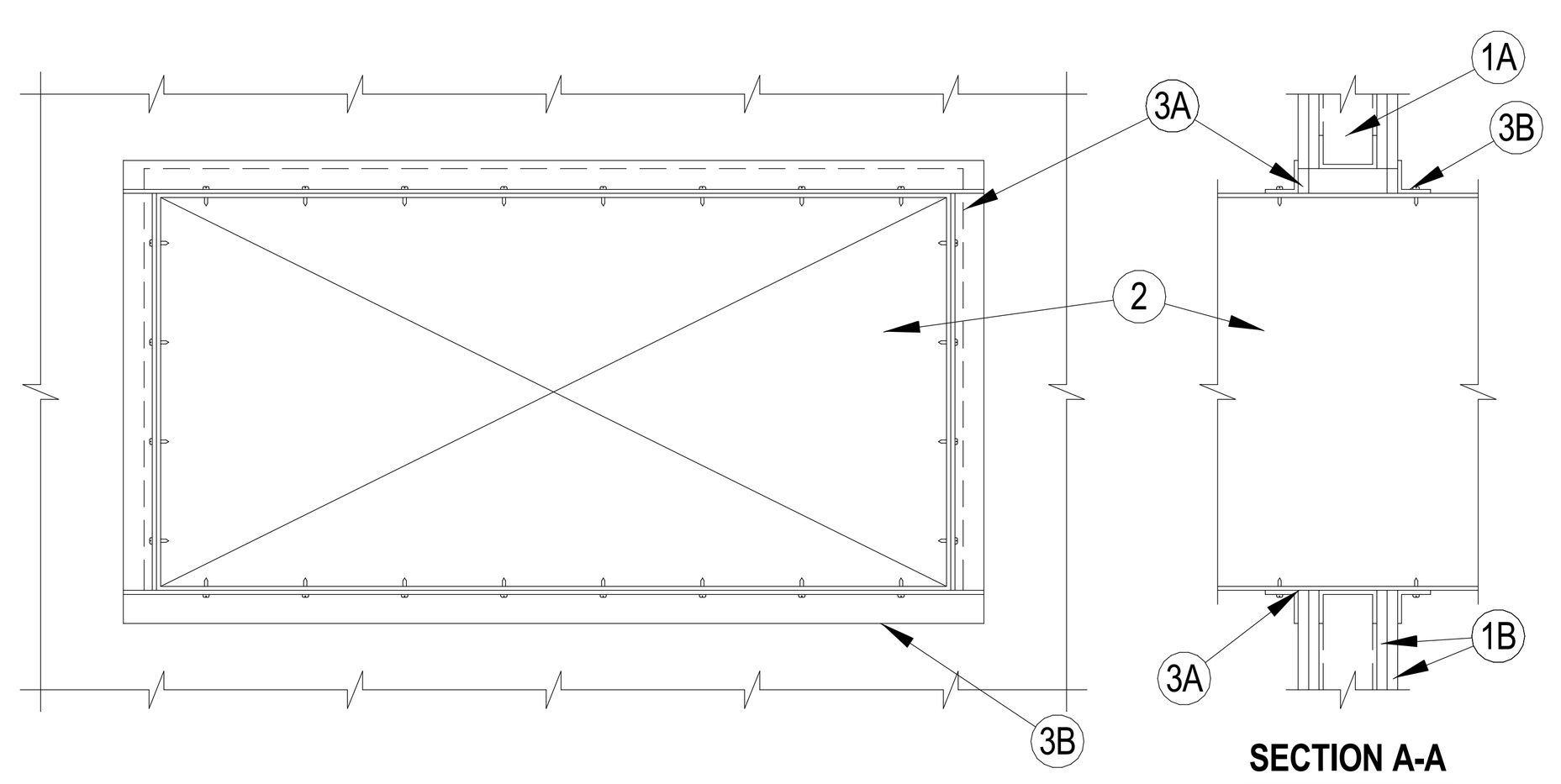
Page: 2 of 2

System No. W-L-7040

WL 7040

CLASSIFIED C UL US
Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings - 1 and 2 Hr (See Items 1 and 3)	F Ratings - 1 and 2 Hr (See Items 1 and 3)
T Rating - 0 Hr	FT Rating - 0 Hr
L Rating at Ambient - Less Than 1 CFM/sq ft	FH Ratings - 1 and 2 Hr (See Items 1 and 3)
L Rating at 400°F - Less Than 1 CFM/sq ft	FTH Rating - 0 Hr
	L Rating at Ambient - Less Than 1 CFM/sq ft
	L Rating at 400°F - Less Than 1 CFM/sq ft



1. Wall Assembly — The fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400, V400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory and shall include the following construction features:
A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (61 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm). Additional framing members shall be used to completely frame around opening.
B. Gypsum Board* — Nom 5/8 in. (16 mm) thick with square or tapered edges. The gypsum wallboard type, number of layers and sheet orientation shall be as specified in the individual Wall and Partition Design Number. Max area of opening is 1300 in^2.(0.84 m^2) with the dimension of 50 in. (1.27 m).
The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.

2. Steel Duct — Nom 24 in. by 48 in. (610 by 1219 mm) (or smaller) No. 24 gauge (or heavier) galv steel duct to be installed within the firestop system. The annular space shall be min 0 (point contact) in. to a max 2 in. (51 mm) Duct to be rigidly supported on both sides of the wall assembly.

Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of
Underwriters Laboratories, Inc.
September 16, 2015

Page: 1 of 2

System No. W-L-7040

WL 7040

3. Firestop System — The firestop system shall consist of the following:
A. Fill, Void or Cavity Material*—Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within annulus flush with both surfaces of wall. At point contact location, a min 1/2 in. (13 mm) diam bead of fill material shall be applied to the wall/duct interface on both surfaces of wall.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant, FS-ONE MAX Intumescent Sealant, CP601S Elastomeric Firestop Sealant or CP606 Flexible Sealant
B. Steel Retaining Angle — No. 18 MSG (0.048 in.) galv steel angles cut to fit contour of duct with a 2 in. overlap on the duct and a min 1 in. overlap on the gypsum board assembly on both sufaces of wall. 2 in. leg of angle secured to duct with min No. 8 by 3/4 in. long sheet metal screws, spaced a max of 6 in. OC. When bead of fill material is used at joint contact locations, angles shall be installed prior to full material curing.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of
Underwriters Laboratories, Inc.
September 16, 2015

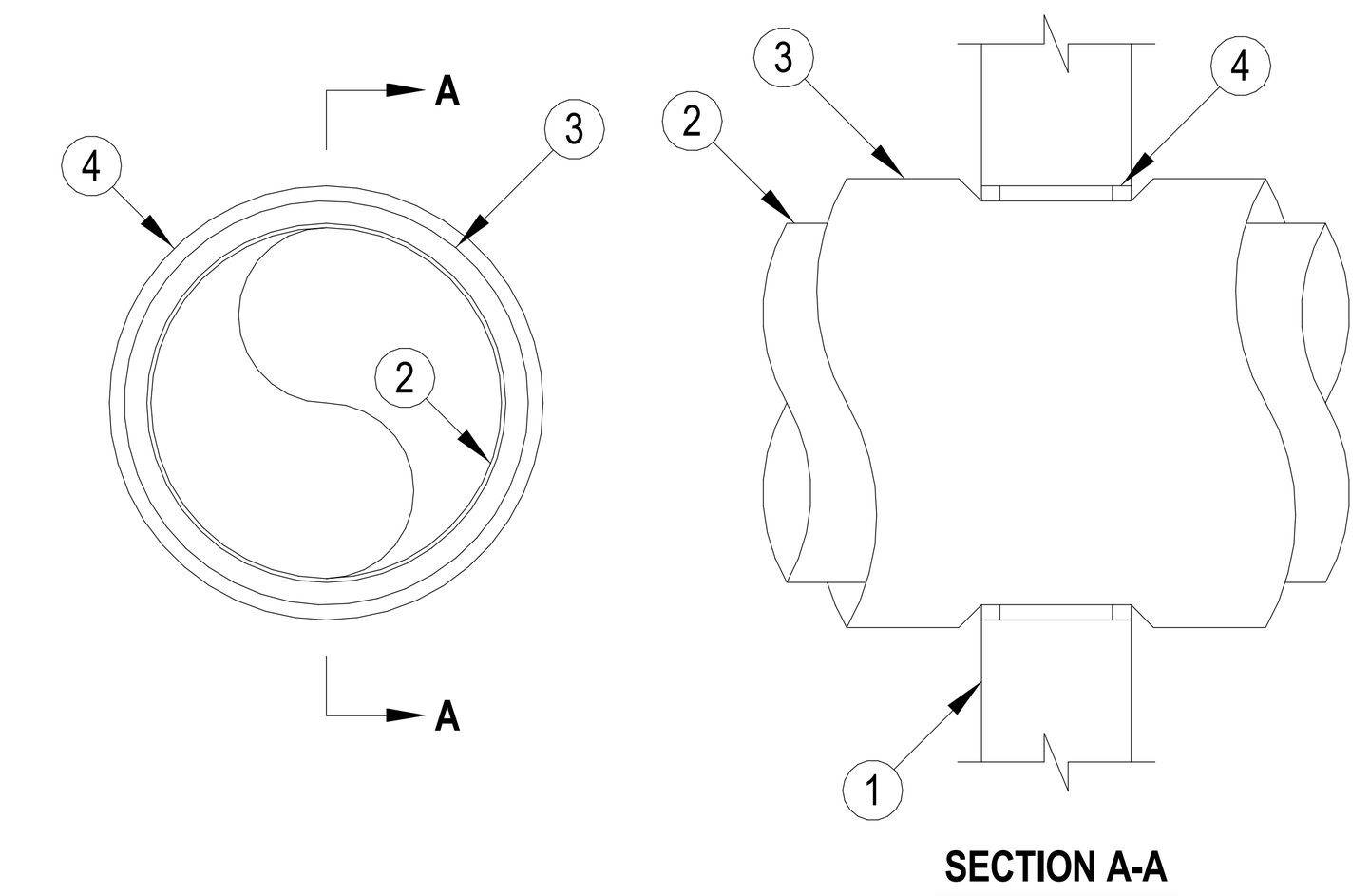
Page: 2 of 2

System No. W-J-7124

WJ 7124

CLASSIFIED C UL US
Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings — 1 and 2 Hr (See Item 4)	F Ratings — 1 and 2 Hr (See Item 4)
T Rating — 1/2 Hr	FT Rating — 1/2 Hr
	FH Ratings — 1 and 2 Hr (See Item 4)
	FTH Rating — 1/2 Hr



1. Wall Assembly — Min 6 in. (152 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 24 in. (610 mm).
See Concrete Blocks (CAZT) in the Fire Resistance Directory for names of manufacturers.
2. Steel Duct — Galv steel duct to be installed concentrically or eccentrically within the firestop system. Duct to be rigidly supported on both sides of wall assembly.
A. Spiral Wound HVAC Duct — Nom 20 in. (508 mm) diam (or smaller) No. 24 MSG (or heavier) galv steel spriral wound duct.
B. Sheet Metal Duct — Nom 12 in. (305 mm) diam (or smaller) No. 28 MSG (or heavier) galv sheet steel duct.
3. Duct Insulation* — Nom 1-1/2 or 2 in. (38 or 51 mm) thick glass fiber batt or blanket (min 3/4 pcf or 56 kg/m3) jacketed on the outside with a foil-scrim-kraft facing. Longitudinal and transverse joints sealed with aluminum foil tape. During the installation of the fill material, the batt or blanket shall be compressed 50% such that the annular space within the firestop system shall be min 1/4 in. (6 mm) to max 1-1/2 in. (38 mm).
See Batts and Blankets - (BKNV) category in the Building Materials Directory for names of manufacturers. Any batt or blanket meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index 50 or less may be used.
4. Fill, Void or Cavity Material* — Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within annulus, flush with both surfaces of wall.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant or FS-ONE MAX Intumescent Sealant
* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Hilti Firestop Systems

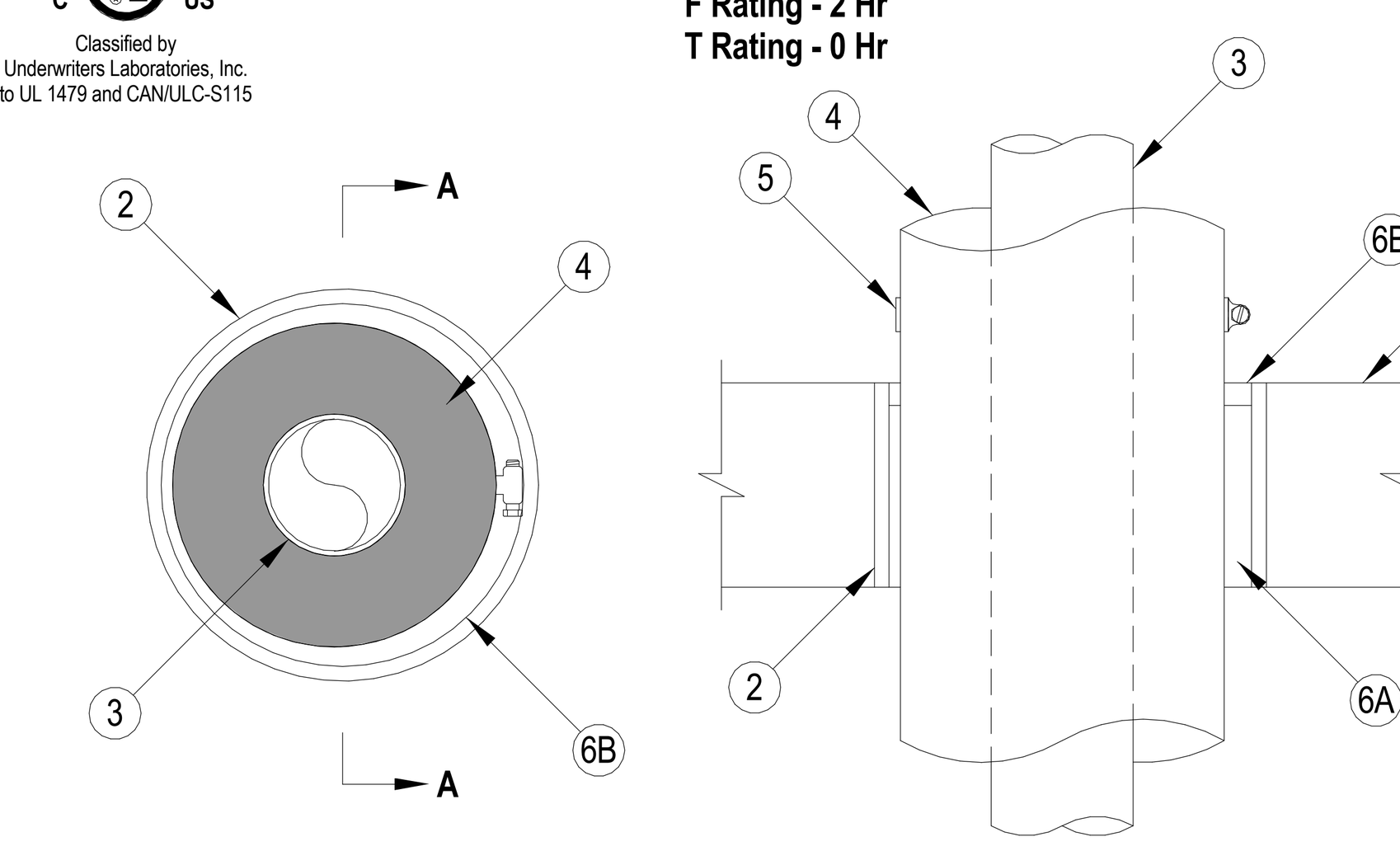
Reproduced by HILTI, Inc. Courtesy of
Underwriters Laboratories, Inc.
November 14, 2017

System No. C-AJ-5295

F Rating - 2 Hr
T Rating - 0 Hr

CAJ 5295

CLASSIFIED C UL US
Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115



1. Floor or Wall Assembly -- Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete floor or min 5 in. (127 mm) thick lightweight or normal weight concrete wall. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 8 in. (203 mm).
See Concrete Blocks (CAZT) or Precast Concrete Units (CFTV) categories in the Fire Resistance Directory for names of manufacturers.
2. Steel Sleeve -- (Optional) - Nom 8 in. (203 mm) diameter (or smaller) Schedule 10 (or heavier) steel pipe sleeve installed flush with both surfaces of floor or wall assembly.
3. Through Penetrant -- One metallic pipe or tube to be installed eccentrically or concentrically within the firestop system. Pipe or tube to be rigidly supported on both sides of the floor or wall assembly. The following types and sizes of metallic pipes and tubes may be used:
A. Steel Pipe -- Nom 3 in. (76 mm) diam (or smaller) Schedule 5 (or heavier) steel pipe.
B. Iron Pipe -- Nom 3 in. (76 mm) diam (or smaller) cast or ductile iron pipe.
C. Copper Pipe -- Nom 3 in. (76 mm) diam (or smaller) Regular (or heavier) copper pipe.
D. Copper Tube -- Nom 3 in. (76 mm) diam (or smaller) Type L (or heavier) copper tube.
4. Pipe Insulation - Foamed Plastic* -- Nom 2 in. (51 mm) thick polyisocyanurate foamed plastic units jacketed with an all service jacket. Longitudinal joints sealed with self-sealing lap tape. Transverse joints secured with butt tape. Annular space shall be min 1/4 in. (6 mm) to max 5/8 in. (16 mm).
See Foamed Plastic (BRYX) category in the Building Materials Directory for names of manufacturers. Any foamed plastic pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less may be used.
5. Band Clamp -- Nom 1/2 (13 mm) wide stainless steel band clamp with worm gear tightening mechanism. Band clamp to be secured around pipe insulation 1-1/2 in. (38 mm) above top surface of floor or 1-1/2 in. (38 mm) from both surfaces of wall.
6. Firestop System -- The firestop system shall consist of the following:
A. Packing Material -- Min 4 pcf (64 kg/m3)mineral wool batt insulation compressed and tightly packed to min 4 in. (102 mm) thickness. Packing material recessed from top surface of floor or both surfaces of wall as required to accommodate fill material (Item 6B).
B. Fill, Void or Cavity Material* - Sealant -- Min 1/2 in. (13 mm) thickness of fill material applied within annulus, flush with top surface of floor or both surfaces of wall.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC -- FS-One Sealant
*Bearing the UL Classification Mark

Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of
Underwriters Laboratories, Inc.
September 12, 2005

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 043801 TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:
NO. DATE DESCRIPTION

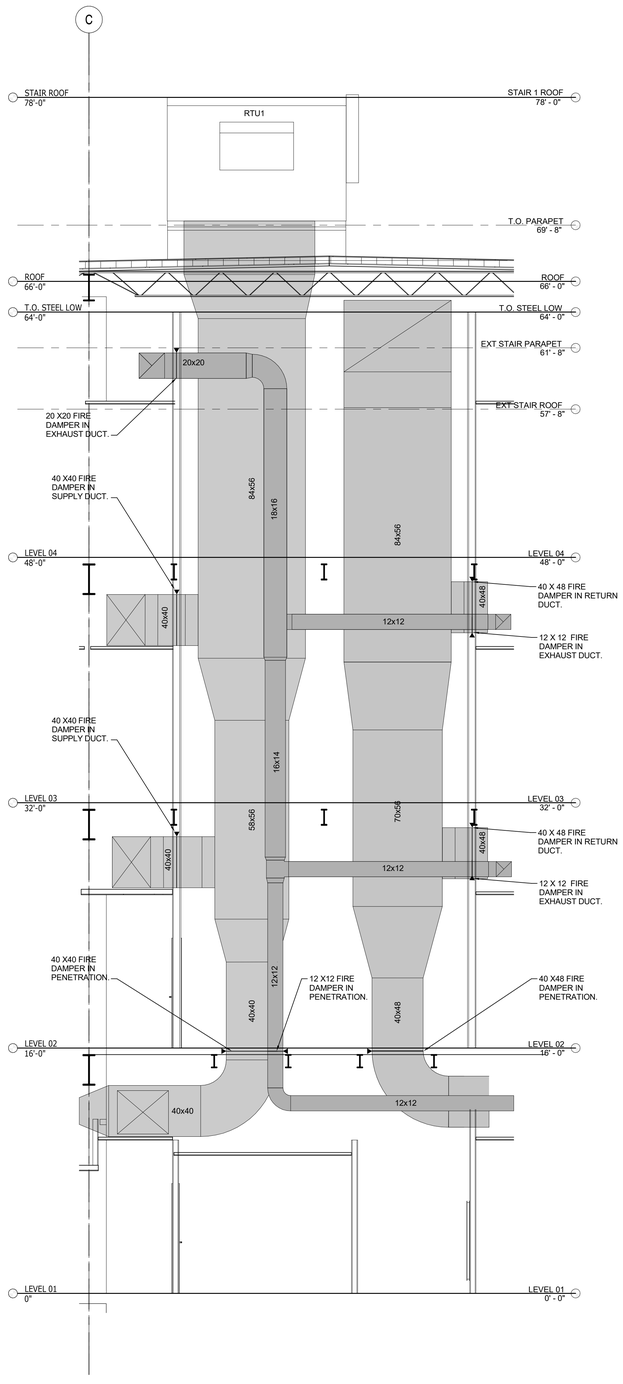
PRINCIPAL IN CHARGE: TOG
DESIGNER: RWC
DRAWN BY: RWC

SHEET TITLE:
MECHANICAL DETAILS

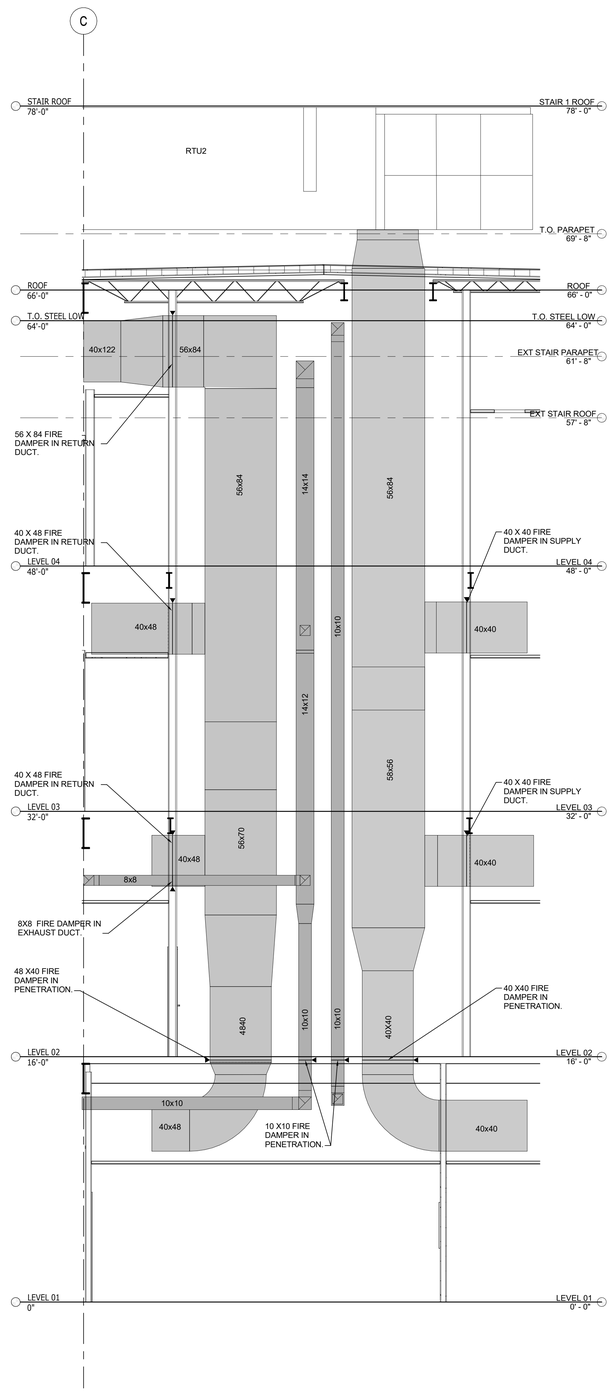
SHEET NO. PROJ. NO. 024370.00

M-503

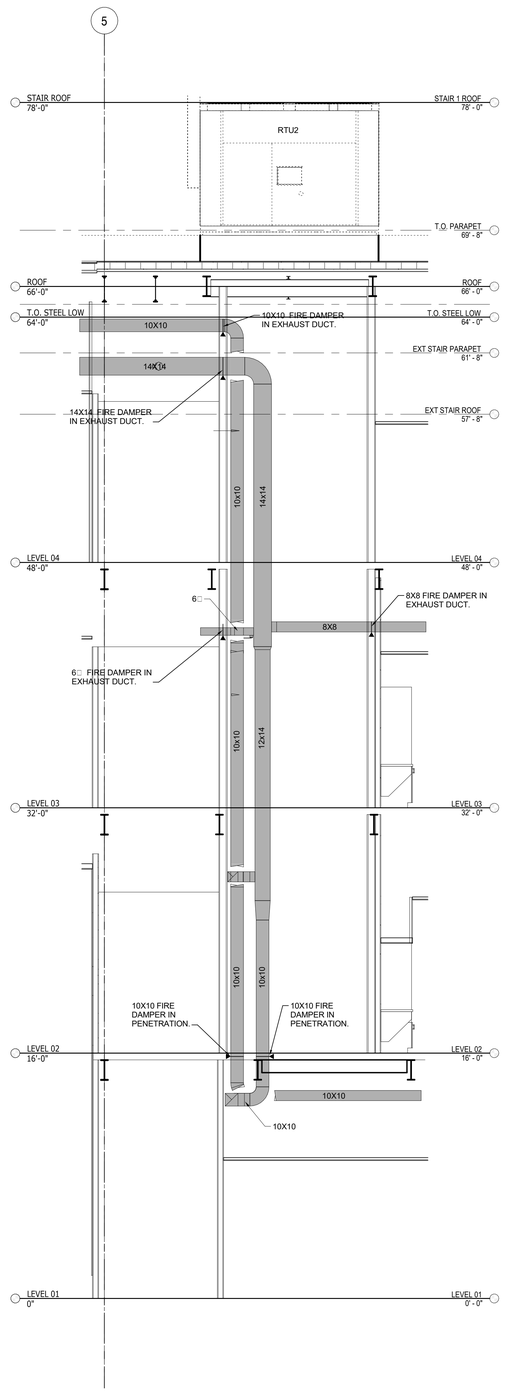
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY, IF AUTHORIZED IN WRITING BY MCMILLAN PAZDAN SMITH ARCHITECTURE, DESTROYED ON THE COMPLETION OF THE PROJECT. TRANSMISSION OR REPRODUCTION OF THESE DRAWINGS WITHOUT THE WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE WILL CONSTITUTE A VIOLATION OF COPYRIGHT LAWS AND IS PROHIBITED. ELECTRONIC DISTRIBUTION OF THESE DRAWINGS FOR CONSTRUCTION PURPOSES IS PROHIBITED. © 2026 MCMILLAN PAZDAN SMITH ARCHITECTURE ALL RIGHTS RESERVED



1 M-504 **RTU1 DUCT SHAFT**
1/4" = 1'-0"



2 M-504 **RTU2 DUCT SHAFT**
1/4" = 1'-0"



3 M-504 **RTU2 DUCT SHAFT-EXHAUST**
1/4" = 1'-0"

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE:	02/06/2026
PHASE:	PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE:	TOG
DESIGNER:	WTB
DRAWN BY:	WTB

SHEET TITLE:
MECHANICAL DETAILS

SHEET NO. M-504
PROJ. NO. 024370.00

POWER VENTILATOR SCHEDULE

DRAWING CODE	BASIS OF DESIGN MANUFACTUR...	BASIS OF DESIGN MODEL	ALTERNATE APPROVED MANUFACTURERS	FAN TYPE	FAN WHEEL	SERVICE	DRIVE TYPE	CURB HEIGHT (IN)	DAMPER	MOTOR ENCLOSURE	CAPACITIES AIRFLOW (CFM)	ESP (IN. WG.)	FAN RPM	MOTOR RPM	ELECTRICAL MOTOR TYPE	MOTOR SIZE (HP)	V/PH/HZ	FLA (A)	SONES	WEIGHT (LBS.)	NOTES	ACCESSORIES
PV1	COOK	120 SQN-D	GREENHECK,...	CENTRIFUGAL VENTILATORS - IN-LINE	ALUMINUM HUB AND BLADES	EXHAUST	DIRECT	N/A	MOTORIZED	OPEN DRIPPROOF	1,260	0.25	1,510	1,725	ECM	1/2	120/1/60	9.8	9.2	150	1,3,5	A,C,D,I,K
PV2	COOK	100 SQN-D OR80	GREENHECK,...	CENTRIFUGAL VENTILATORS - IN-LINE	ALUMINUM HUB AND BLADES	EXHAUST	DIRECT	N/A	MOTORIZED	OPEN DRIPPROOF	865	0.50	2,314	2,800	ECM	1/2	208/1/60	5.4	13.0	68	1,4	A,C,D,H
PV3	COOK	150 ACED	GREENHECK,...	CENTRIFUGAL VENTILATORS - ROOF...	ALUMINUM HUB AND BLADES	EXHAUST	DIRECT	14"	MOTORIZED	OPEN DRIPPROOF	2,350	1.00	1,465	1,725	ECM	7/8	208/1/60	8.8	16.7	113	1,2	A,B,D,E,G,H,J
PV4	COOK	120 ACED	GREENHECK,...	CENTRIFUGAL VENTILATORS - ROOF...	ALUMINUM HUB AND BLADES	EXHAUST	DIRECT	14"	MOTORIZED	OPEN DRIPPROOF	1,520	1.00	1,843	2,800	ECM	5/8	208/1/60	7.6	15.1	87	1,2,6	A,B,D,E,G,H,J
PV5	COOK	120 ACED OR61	GREENHECK,...	CENTRIFUGAL VENTILATORS - ROOF UPBLAST	ALUMINUM HUB AND BLADES	EXHAUST	DIRECT	14"	MOTORIZED	OPEN DRIPPROOF	145	1.00	1,218	1,725	ECM	1/4	120/1/60	5.8	10.5	89	1,4	A,B,D,E,F,G,J

NOTES:
1. REFER TO SPECIFICATION SECTION 233423 - HVAC POWER VENTILATORS FOR FURTHER INFORMATION.
2. UNIT TO RUN ON OCCUPIED SCHEDULE. REFER TO CONTROL DIAGRAM AND SEQUENCE FOR ADDITIONAL INFORMATION.
3. CONTROLLED VIA ON/OFF/AUTO SWITCH WITH THERMOSTAT.REFER TO CONTROL DIAGRAM AND SEQUENCE FOR ADDITIONAL INFORMATION.
4. UNIT TO RUN CONTINUOUSLY. REFER TO CONTROL DIAGRAM AND SEQUENCE FOR ADDITIONAL INFORMATION.
5. INTERLOCK TO OPEN THE MOTORIZED DAMPER OF THE ASSOCIATED INTAKE LOUVER
6. FAN AS SCHEDULED HAS SOME ALLOWANCE FOR FUTURE UPDIT ON 3RD FLOOR. AT THIS PHASE, BALANCE TO 1080 CFM.

ACCESSORI...
- A ALUMINUM WHEEL.
- B ALUMINUM HOUSING.
- C DIRECT DRIVE MOTOR WITH VIBRATION ISOLATION
- D UNIT MOUNTED SPEED CONTROLLER
- E EQUIPMENT SPECIFIC SEISMIC/WIND RATED CURB, RESTRAINT AND FASTENERS w/ ENGINEER CERTIFICATION.
- F ALUMINUM BACKDRAFT DAMPER
- G ALUMINUM BIRDSCREEN
- H PROVIDE 24V MOTORIZED ALUMINUM EXHAUST DAMPER WITH END PROVING SWITCH. COORDINATE WITH CONTROLS CONTRACTOR.
- I PROVIDE 24V MOTORIZED ALUMINUM EXHAUST AND INTAKE DAMPER WITH END PROVING SWITCH. COORDINATE SIZES WITH ARHITECTURAL LOUVER. COORDINATE WITH CONTROLS CONTRACTOR.
- J HURRICANE...
- K INLET GUARD

ELECTRIC HEATER SCHEDULE

DRAWING CODE	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL	ALTERNATE APPROVED MANUFACTURERS	DESCRIPTION TYPE	FAN	DISCHARGE	ELECTRIC COIL CAPACITY (KW)	STEPS	SUPPLY AIR AIRFLOW (CFM)	ELECTRICAL POWER (V/PH/HZ)	WEIGHT (LBS)	MOUNTING HEIGHT (FT)	NOTES	ACCESSORIES
EUH1	MARKEL	G3323TD-RP	QMARK, INDEECO	WALL HEATER	PROPELLER	HORIZONTAL	1.5	1	175	277/1/60	26	-	1,2,3	A,B,C
EUH2	MARKEL	G3323TD-RP	QMARK, INDEECO	WALL HEATER	PROPELLER	HORIZONTAL	1.5	1	175	277/1/60	26	-	1,2,3	A,B,C
EUH3	MARKEL	G3423T	QMARK, INDEECO	WALL HEATER	PROPELLER	HORIZONTAL	3.0	1	245	277/1/60	41	-	1,2,3	A,B,D
EUH4	MARKEL	G3423T	QMARK, INDEECO	WALL HEATER	PROPELLER	HORIZONTAL	3.0	1	245	277/1/60	41	-	1,2,3	A,B,D
EUH5	MARKEL	G3423T	QMARK, INDEECO	WALL HEATER	PROPELLER	HORIZONTAL	3.0	1	245	277/1/60	41	-	1,2,3	A,B,D
EUH6	MARKEL	G3423T	QMARK, INDEECO	WALL HEATER	PROPELLER	HORIZONTAL	3.0	1	245	277/1/60	41	-	1,2,3	A,B,D
EUH7	MARKEL	G1GUH03003	QMARK, INDEECO	UNIT HEATER	PROPELLER	HORIZONTAL	3.3	1	400	277/1/60	36	9	1,3	D,E
EUH8	MARKEL	G3423T	QMARK, INDEECO	WALL HEATER	PROPELLER	HORIZONTAL	3.0	1	245	277/1/60	41	-	1,2,3	A,B,D

NOTES:
1. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.
2. MOUNT BOTTOM OF UNIT 80" A.F.F.
3. CONTROLS CONTRACTOR TO PROVIDE WALL MOUNTED THERMOSTAT

ACCESSORI...
- A RECESSED WALL BOX
- B HEAVY DUTY GRILL
- C 24V BMS RELAY
- D 24V CONTACTOR FOR BMS INTERGRATION
- E WALL/CEILING BRACKET

A

PACKAGED UNIT SCHEDULE

DRAWING CODE	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL	ALTERNATE APPROVED MANUFACTURERS	SYSTEM TYPE	COOLING (AMBIENT @ 95°F) EAT (°F db/wb)	LAT UNIT (°F db/wb)	NET TOTAL...	NET SENSIBLE (MBH)	EFFICIENCY		NATURAL GAS HEATING GAS INPUT (MBH)	GAS OUTPUT...	STAGES	EVAPORATOR FAN SUPPLY AIRFLOW (CFM)	OUTSIDE AIRFLOW (CFM)	ESP (IN....	RETURN FAN RETURN AIRFLOW (CFM)	ESP (IN....	ELECTRICAL POWER SUPPLY (V/PH/HZ)	MCA (A)	MOCP (A)	REFRIG. TYPE	WEIGHT (LBS.)	NOTES	ACCESSORIES
RTU1	TRANE	SFHT105	YORK, DAIKIN	GAS-PACK	79.6/66.7	57.2/54.7	1,128.6	760.4	IEER	18.3	850.0	688.5	MODULATING	29,375	7,145	3.50	26,435	1.00	460/3/60	264.5	300	R-454B	19,602	1,2	A THROUGH Y
RTU2	TRANE	SFHT105	YORK, DAIKIN	GAS-PACK	80.5/67.4	55.9/53.6	1,134.5	729.4	IEER	18.3	850.0	688.5	MODULATING	25,570	6,912	3.50	23,015	1.00	460/3/60	252.0	300	R-454B	19,602	1,2	A THROUGH Y
RTU3	TRANE	SXHT090	YORK, DAIKIN	AIR CONDITIONER	79.7/65.8	56.0/53.7	1,005.9	723.6	IEER	19.1	-	-	-	26,470	4,917	3.50	23,825	1.00	460/3/60	242.2	250	R-454B	18,958	1,2	A THROUGH X

NOTES:
1. REFER TO SPECIFICATION SECTION 237416.13 - PACKAGED, LARGE-CAPACITY, ROOFTOP AIR-CONDITIONING UNITS FOR ADDITIONAL INFORMATION.
2. OUTSIDE AIRFLOW AS SCHEDULED IS MAXIMUM FLOW.

ACCESSORI...
- A DOUBLE WALLED R8 FOAM INJECTED CONSTRUCTION WITH HINGED ACCESS DOORS. EXTERIOR PANEL TO BE PAINTED GALVANIZED STEEL
- B PROVIDE (1) SET OF 12" MERV 15 CARTRIDGE FILTERS ALONG WITH (4) SETS 2" MERV 8 PRE-FILTERS.
- C DOUBLE-INLET, FORWARD CURVED SUPPLY FANS WITH 2 INCH DEFLECTION SPRING ISOLATION.
- D INTERNAL SHAFT GROUNDING RING.
- E PROVIDE REFRIGERANT SERVICE VALVES
- F DOUBLE SLOPING STAINLESS STEEL DRAIN PAN WITH CONDENSATE OVERFLOW SWITCH
- G VARIABLE SPEED COMPRESSORS CAPABLE OF SPEED MODULATION FROM FULL LOAD TO 15%.
- H 100 PERCENT MODULATING EXHAUST FAN WITH CONTROL SYSTEM TO MODULATE VFD WITH BYPASS TO CONTROL BUILDING SPACE PRESSURE.
- I 0-100 PERCENT MODULATING COMPARATIVE ENTHALPY ECONOMIZER.
- J FACTORY MOUNTED AIRFLOW MEASUREMENT STATION TO MAINTAIN CONSTANT OUTSIDE AIR AND CO2 BASED DEMAND CONTROL VENTILATION.
- K ULTRA LOW LEAK ECONOMIZER DAMPERS HAVING A LEAKAGE RATE OF 1% AT 1.0 IN WC PRESSURE DIFFERENTIAL WITH FAULT DETECTION DIAGNOSTICS (AMCA CLASS 1A). .
- L FACTORY DDC MICROPROCESSOR CONTROLS
- M FACTORY BASCNET MS/TP BUILDING MANAGEMENT SYSTEM CONTROL INTERFACE.
- N WIND/SEISMIC RATED ACOUSTIC ROOF CURB WITH 2" SPRING ISOLATION w/ ENGINEER CERTIFICATION. REFER TO DETAIL 1/M-502.
- O MECHANICAL CONTRACTOR TO INSTALL DUCT SMOKE DETECTOR PROVIDED BY THE FIRE ALARM CONTRACTOR.
- P CORROSION COATED CONDENSER AND EVAPORATOR COIL TO MEET ASTM B117 6000 HOUR SALT SPRAY TEST.
- Q PROVIDE 5 YEAR PARTS, LABOR, AND REFRIGERANT WARRANTY BY EQUIPMENT MANUFACTURER.
- R PROVIDE SINGLE POINT POWER CONNECTION.
- S FACTORY REFRIGERANT LEAK DETECTION AND MITIGATION SYSTEM WITH BACNET POINTS FOR INTEGRATION TO BAS
- T SUPPLY FANS AND CONDENSER FANS SHALL BE PROVIDED WITH TEFC MOTORS
- U HINGED ACCESS DOORS ON BOTH SIDES UNIT
- V PROVIDE RAPID RESTART CAPABILITY SUCH THAT UNIT CAN PROVIDE FULL COOLING IN 120 SECONDS OR LESS AFTER REGAINING POWER FROM A POWER LOSS EVENT.
- W PROVIDE 7" COLOR TOUCHSCREEN DISPLAY
- X OEM EQUIPMENT CONTROLLER SHALL BE ADAPTIVE SUCH THAT IT MODULATES COMPRESSORS AND FANS TO ENSURE THE COMPRESSORS REMAIN WITHIN THEIR OPERATIVE ENVELOPES.
- Y ULTRA MODULATING GAS HEAT WITH 10:1 TURNDOWN AND STAINLESS STEEL FLUE GAS STACK

PUMP SCHEDULE

DRAWING CODE	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL	ALTERNATE APPROVED MANUFACTURERS	PUMP TYPE	SERVICE	FLUID	CAPACITY (GPM)	TOTAL DYNAMI...	INLET AND...	CONNECTION TYPE	MOTOR ENCLOSURE TYPE	MATERIALS	SPEED...	(HP)	ELECTRIC...	NOTES	ACCESSORIES
BP1	B&G	ECOCIRC XL 36-45	TACO, PATTERSON	IN-LINE CENTRIFUGAL	BOILER CIRCULATOR	WATER	26	14.3	1 1/4	FLANGED	ODP	CAST IRON	3,280	1/6	120/1/60	1	A,B,C
BP2	B&G	ECOCIRC XL 36-45	TACO, PATTERSON	IN-LINE CENTRIFUGAL	BOILER CIRCULATOR	WATER	26	14.3	1 1/4	FLANGED	ODP	CAST IRON	3,280	1/6	120/1/60	1	A,B,C
BP3	B&G	ECOCIRC XL 36-45	TACO, PATTERSON	IN-LINE CENTRIFUGAL	BOILER CIRCULATOR	WATER	26	14.3	1 1/4	FLANGED	ODP	CAST IRON	3,280	1/6	120/1/60	1	A,B,C
BP4	B&G	ECOCIRC XL 36-45	TACO, PATTERSON	IN-LINE CENTRIFUGAL	BOILER CIRCULATOR	WATER	26	14.3	1 1/4	FLANGED	ODP	CAST IRON	3,280	1/6	120/1/60	1	A,B,C
HWP1	B&G	E-90 1.5AAB	TACO, PATTERSON	IN-LINE CENTRIFUGAL	HEATING HOT WATER BUILDING...	WATER	115	69	1.5	FLANGED	ODP	CAST IRON	3,062	5	208/3/60	1	D,E,F
HWP2	B&G	E-90 1.5AAB	TACO, PATTERSON	IN-LINE CENTRIFUGAL	HEATING HOT WATER BUILDING...	WATER	115	69	1.5	FLANGED	ODP	CAST IRON	3,062	5	208/3/60	1	D,E,F

NOTES:
1. REFER TO SPECIFICATION SECTION 232123 - HYDRONIC PUMPS FOR FURTHER INFORMATION.

ACCESSORIES:
- A CAST IRON BODY, STAINLESS STEEL SHAFT AND WETTED PARTS.
- B ECM PERMANENT MAGNET MOTOR
- C 0-10 INPUT FOR SPEED CONTROL
- D CAST IRON BODY, BRONZE FITTED.
- E SILICON CARBIDE SEAL
- F PUMP MANUFACTURER TO SUPPLY VARIABLE FREQUENCY DRIVE (VFD) FOR PUMP ABLE TO DIRECTLY COMMUNICATE WITH BMS VIA BACNET MSTP

CONDENSING BOILER SCHEDULE

DRAWING CODE	BASIS OF DESIGN MANUFACTUR...	BASIS OF DESIGN MODEL	ALTERNATE APPROVED MANUFACTURERS	BURNER	HEATING MEDIUM	DESIGN WATER PRESSURE RATING (PSIG)	AGA INPUT (MBH) MINIMUM	MAXIMUM	AGA OUTPUT (MBH) MAXIMUM	MINIMUM EFFICIENCY REQUIREMENT...	CONNECTIONS GAS (IN.)	INLET GAS PRESSURE (IN WG)	WATER (IN.)	INTAKE (IN.)	VENT (IN.)	ELECTRICAL POWER SUPPLY (V/PH/HZ)	MCA (A)	MOCP (A)	WEIGHT (LBS.)	NOTES	ACCESSORIES
B1	LOCHINVAR	WHB399N	RIELLO, AERCO	NATURAL GAS	HOT WATER	80	40	399	377	96	3/4	14	1-1/2	4	4	120/1/60	4.5	-	213	1,2,3,4	A,B,C,D
B2	LOCHINVAR	WHB399N	RIELLO, AERCO	NATURAL GAS	HOT WATER	80	40	399	377	96	3/4	14	1-1/2	4	4	120/1/60	4.5	-	213	1,2,3,4	A,B,C,D
B3	LOCHINVAR	WHB399N	RIELLO, AERCO	NATURAL GAS	HOT WATER	80	40	399	377	96	3/4	14	1-1/2	4	4	120/1/60	4.5	-	213	1,2,3,4	A,B,C,D
B4	LOCHINVAR	WHB399N	RIELLO, AERCO	NATURAL GAS	HOT WATER	80	40	399	377	96	3/4	14	1-1/2	4	4	120/1/60	4.5	-	213	1,2,3,4	A,B,C,D

NOTES:
1. REFER TO SPECIFICATION SECTION 235216 - CONDENSING BOILERS FOR FURTHER INFORMATION.
2. REFER TO PLANS FOR VENTING ARRANGEMENT.
3. ROUTE CONDENSATE THROUGH CONDENSATE NEUTRALIZATION KIT. REFER TO PLANS FOR LOCATION AND ARRANGEMENT.
4. MOUNT BOILER ON WALL

ACCESSORI...
- A BMS INTERFACE TO BACNET.
- B HIGH AND LOW GAS PRESSURE SWITCHES WITH MANUAL RESET.
- C GAS REGULATOR INSTALL PER MANUFACTURERS REQUIREMENTS.
- D LOW WATER CUTOFF WITH MANUAL RESET AND TEST.

EXPANSION TANK SCHEDULE

DRAWING CODE	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL	ALTERNATE APPROVED MANUFACTURERS	SERVICE	WORKING PRESSURE...	VOLUME (GAL)	ACCEPTANCE VOLUME (GAL)	TYPE	CONFIGURATION	DIM. H/D (IN.)	WEIGHT... (LBS)	WEIGHT... (LBS)	NOTES	ACCESSORIES
ET1	B&G	B200	WESSELS, TACO	HEATING HOT WATER	125	53	53.0	BLADDER	VERTICAL	44/24	210	651	1,2,3	A,B,C

NOTES:
1. REFER TO SPECIFICATION SECTION 232116 - HYDRONIC PIPING SPECIALTIES FOR FURTHER INFORMATION.
2. ASME BOILER AND PRESSURE VESSEL CODE: SECTION VIII, DIVISION 1.
3. MOUNT ON 6" CONCRETE PAD

ACCESSORI...
- A FULL ACCEPTANCE EXPANSION TANK
- B PRESSURE GAUGE
- C REPLACABLE BLADDER

AIR/DIRT SEPARATOR SCHEDULE

DRAWING CODE	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL	ALTERNATE APPROVED MANUFACTURERS	TYPE	FLOW (GPM)	WATER CONNECTIONS SIZE (IN)	STYLE	WEIGHT (LBS)	NOTES	ACCESSORIES
AS1	B&G	CRSN-4F	WESSELS, TACO	COALESCING, LOW VELOCITY	115.00	4	FLANGED	147	1,2,3	A,B,C,D

NOTES:
1. REFER TO...
2. ASME CERTIFIED, CONSTRUCTED AND STAMPED FOR 125 PSI WORKING PRESSURE @ 200°F.
3. WEIGHT LISTED IS FILLED WEIGHT.

ACCESSORI...
- A CARBON STEEL, PRIMER PAINTED
- B SKIM VALVE (COALESCING ONLY)
- C AUTOMATIC AIR VENT
- D MANUAL BLOWDOWN VALVE

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: TOG
DESIGNER: WTB
DRAWN BY: WTB

SHEET TITLE:
MECHANICAL SCHEDULES

SHEET NO. M-601
PROJ. NO. 024370.00

SINGLE DUCT VAV TERMINAL BOX SCHEDULE

DRAWING CODE	BASIS OF DESIGN MANUFACTUR...	BASIS OF DESIGN MODEL	ALTERNATE APPROVED MANUFACTURE...	PRIMARY AIRFLOW					HEATING COIL										NOISE CRITERIA		WEIGHT OPERATIN G (LBS.)	UNIT SERVED FROM	NOTES	ACCESSORIES
				COOLING MAX (CFM)	COOLING MIN...	HEATIN G (CFM)	INLET DIA. (IN)	AIR PRESSURE DROP (IN H2O)	CAPACITY (MBH)	ROWS	EAT (°F)	LAT (°F)	EWT (°F)	LWT (°F)	WATER ΔT (°F)	FLOW (GPM)	WPD (FT H2O)	RUNOUT SIZE...	DISCH (NC)	RAD (NC)				
VAV1-1-01	TRANE	VCWF	PRICE, TITUS	345	105	280	6"	0.45	12.28	3 ROW	50.0	90.45	130.0	97.2	32.84	0.75	0.55	1	33	22	29.7	RTU1	1,2,3,4	A,B
VAV1-1-02	TRANE	VCWF	PRICE, TITUS	1180	355	495	12"	0.45	22.6	3 ROW	50.0	92.09	130.0	99.8	30.2	1.5	0.19	1	35	24	57.9	RTU1	1,2,3,4	A,B
VAV1-1-03	TRANE	VCWF	PRICE, TITUS	425	130	205	8"	0.32	9.61	3 ROW	50.0	93.22	130.0	104.3	25.68	0.75	0.07	1	33	23	33.7	RTU1	1,2,3,4	A,B
VAV1-1-04	TRANE	VCWF	PRICE, TITUS	275	130	130	5"	0.09	4.28	1 ROW	50.0	80.39	130.0	112.8	17.18	0.5	0.53	1/2	37	24	25.2	RTU1	1,2,3,4	A,B
VAV1-1-05	TRANE	VCWF	PRICE, TITUS	815	815	815	10"	0.44	25.88	3 ROW	50.0	79.28	130.0	88.5	41.52	1.25	0.40	1	0.5	24	41.8	RTU1	1,2,3,4	A,B
VAV1-1-06	TRANE	VCWF	PRICE, TITUS	915	335	355	10"	0.35	15.22	2 ROW	50.0	89.52	130.0	105.6	24.4	1.25	0.28	1	36	26	41.8	RTU1	1,2,3,4	A,B
VAV1-1-07	TRANE	VCWF	PRICE, TITUS	335	100	285	6"	0.43	12.36	3 ROW	50.0	90	130.0	96.9	33.11	0.75	0.55	1	33	22	29.7	RTU1	1,2,3,4	A,B
VAV1-1-08	TRANE	VCWF	PRICE, TITUS	1220	390	955	12"	0.48	42.22	3 ROW	50.0	90.76	130.0	105.8	24.18	3.5	0.87	1	35	24	57.9	RTU1	1,2,3,4	A,B
VAV1-1-09	TRANE	VCWF	PRICE, TITUS	735	410	410	8"	0.52	13.65	2 ROW	50.0	80.69	130.0	111.8	18.24	1.5	0.19	1	38	26	30.9	RTU1	1,2,3,4	A,B
VAV1-1-10	TRANE	VCWF	PRICE, TITUS	570	330	330	8"	0.35	10.47	2 ROW	50.0	79.24	130.0	109.0	20.98	1	0.09	1	37	25	30.9	RTU1	1,2,3,4	A,B
VAV1-1-11	TRANE	VCWF	PRICE, TITUS	685	215	335	10"	0.33	14.53	3 ROW	50.0	90	130.0	91.2	38.83	0.75	0.16	1	34	23	45.2	RTU1	1,2,3,4	A,B
VAV1-1-12	TRANE	VCWF	PRICE, TITUS	430	130	170	8"	0.33	7.79	3 ROW	50.0	92.23	130.0	98.8	31.22	0.5	0.03	1	33	23	33.7	RTU1	1,2,3,4	A,B
VAV1-1-13	TRANE	VCWF	PRICE, TITUS	380	230	230	6"	0.39	7.58	2 ROW	50.0	80.39	130.0	99.6	30.4	0.5	0.19	1	36	26	27.5	RTU1	1,2,3,4	A,B
VAV1-1-14	TRANE	VCWF	PRICE, TITUS	950	320	505	10"	0.56	22.09	3 ROW	50.0	90.33	130.0	94.6	35.43	1.25	0.40	1	35	25	45.2	RTU1	1,2,3,4	A,B
VAV1-2-01	TRANE	VCWF	PRICE, TITUS	405	125	265	6"	0.59	12	3 ROW	50.0	91.77	130.0	97.9	32.09	0.75	0.55	1	35	23	29.7	RTU1	1,2,3,4	A,B
VAV1-2-02	TRANE	VCWF	PRICE, TITUS	1315	395	640	12"	0.54	28.82	3 ROW	50.0	91.53	130.0	101.1	28.9	2	0.31	1	36	24	57.9	RTU1	1,2,3,4	A,B
VAV1-2-03	TRANE	VCWF	PRICE, TITUS	500	155	195	8"	0.41	9.4	3 ROW	50.0	94.46	130.0	104.9	25.14	0.75	0.07	1	34	23	33.7	RTU1	1,2,3,4	A,B
VAV1-2-04	TRANE	VCWF	PRICE, TITUS	695	210	375	10"	0.34	17.65	3 ROW	50.0	93.41	130.0	94.6	35.4	1	0.27	1	34	23	45.2	RTU1	1,2,3,4	A,B
VAV1-2-05	TRANE	VCWF	PRICE, TITUS	840	345	345	10"	0.46	17.03	3 ROW	50.0	95.51	130.0	95.9	34.14	1	0.27	1	35	24	45.2	RTU1	1,2,3,4	A,B
VAV1-2-06	TRANE	VCWF	PRICE, TITUS	210	120	120	5"	0.06	4.15	1 ROW	50.0	81.86	130.0	113.4	16.62	0.5	0.53	1/2	33	23	25.2	RTU1	1,2,3,4	A,B
VAV1-2-07	TRANE	VCWF	PRICE, TITUS	1965	595	665	14"	0.57	30.16	3 ROW	50.0	91.82	130.0	95.4	34.56	1.75	0.19	1	38	28	73.8	RTU1	1,2,3,4	A,B
VAV1-2-08	TRANE	VCWF	PRICE, TITUS	555	166	255	8"	0.49	12.12	3 ROW	50.0	93.84	130.0	105.7	24.31	1	0.11	1	34	24	33.7	RTU1	1,2,3,4	A,B
VAV1-2-09	TRANE	VCWF	PRICE, TITUS	640	285	285	10"	0.3	13.65	3 ROW	50.0	94.15	130.0	93.5	36.48	0.75	0.16	1	34	23	45.2	RTU1	1,2,3,4	A,B
VAV1-2-10	TRANE	VCWF	PRICE, TITUS	260	125	125	5"	0.16	5.88	2 ROW	50.0	93.37	130.0	106.4	23.57	0.5	0.18	1	34	24	27.5	RTU1	1,2,3,4	A,B
VAV1-2-11	TRANE	VCWF	PRICE, TITUS	560	190	315	8"	0.5	14.64	3 ROW	50.0	92.85	130.0	106.5	23.48	1.25	0.16	1	34	24	33.7	RTU1	1,2,3,4	A,B
VAV1-2-12	TRANE	VCWF	PRICE, TITUS	930	275	620	10"	0.54	36	3 ROW	50.0	90.48	130.0	103.8	26.25	2.75	1.66	1	35	25	45.2	RTU1	1,2,3,4	A,B
VAV1-2-13	TRANE	VCWF	PRICE, TITUS	520	240	240	8"	0.3	8	2 ROW	50.0	80.75	130.0	108.6	21.39	0.75	0.06	1	36	24	30.9	RTU1	1,2,3,4	A,B
VAV1-2-14	TRANE	VCWF	PRICE, TITUS	155	75	75	4"	0.11	5.21	3 ROW	50.0	114	130.0	109.1	20.89	0.5	0.27	1	30	21	29.7	RTU1	1,2,3,4	A,B
VAV1-3-01	TRANE	VCWF	PRICE, TITUS	415	125	270	8"	0.31	12.43	3 ROW	50.0	92.45	130.0	105.1	24.92	1	0.11	1	33	23	33.7	RTU1	1,2,3,4	A,B
VAV1-3-02	TRANE	VCWF	PRICE, TITUS	1445	435	700	14"	0.35	30.76	3 ROW	50.0	90.52	130.0	94.8	35.24	1.75	0.19	1	37	27	73.8	RTU1	1,2,3,4	A,B
VAV1-3-03	TRANE	VCWF	PRICE, TITUS	630	190	255	10"	0.2	11.97	2 ROW	50.0	93.28	130.0	106.0	24	1	0.19	1	34	24	41.8	RTU1	1,2,3,4	A,B
VAV1-3-04	TRANE	VCWF	PRICE, TITUS	350	105	260	6"	0.46	11.91	3 ROW	50.0	92.23	130.0	98.2	31.83	0.75	0.55	1	34	22	29.7	RTU1	1,2,3,4	A,B
VAV1-3-05	TRANE	VCWF	PRICE, TITUS	1995	700	780	14"	0.58	34.57	3 ROW	50.0	90.87	130.0	95.3	34.66	2	0.24	1	39	28	73.8	RTU1	1,2,3,4	A,B
VAV1-3-06	TRANE	VCWF	PRICE, TITUS	210	90	90	5"	0.17	5.91	3 ROW	50.0	110.5	130.0	106.3	23.68	0.5	0.27	1	30	22	29.7	RTU1	1,2,3,4	A,B
VAV1-3-07	TRANE	VCWF	PRICE, TITUS	2820	845	845	16"	0.5	36.96	2 ROW	50.0	90.33	130.0	105.3	24.7	3	0.43	1	41	32	73.5	RTU1	1,2,3,4	A,B
VAV1-3-08	TRANE	VCWF	PRICE, TITUS	350	225	230	6"	0.34	7.58	2 ROW	50.0	80.39	130.0	99.6	30.4	0.5	0.19	1	35	25	27.5	RTU1	1,2,3,4	A,B
VAV1-3-09	TRANE	VCWF	PRICE, TITUS	680	345	345	10"	0.22	15.02	2 ROW	50.0	90.13	130.0	105.9	24.08	1.25	0.28	1	35	24	41.8	RTU1	1,2,3,4	A,B
VAV1-3-10	TRANE	VCWF	PRICE, TITUS	250	175	175	5"	0.15	6.85	2 ROW	50.0	86.07	130.0	102.6	27.45	0.5	0.18	1	33	24	27.5	RTU1	1,2,3,4	A,B
VAV1-3-11	TRANE	VCWF	PRICE, TITUS	500	150	210	8"	0.41	9.71	3 ROW	50.0	92.62	130.0	104.1	25.95	0.75	0.07	1	34	23	33.7	RTU1	1,2,3,4	A,B
VAV1-3-12	TRANE	VCWF	PRICE, TITUS	345	295	295	6"	0.33	9.91	2 ROW	50.0	80.97	130.0	103.5	26.49	0.75	0.38	1	35	25	27.5	RTU1	1,2,3,4	A,B
VAV1-3-13	TRANE	VCWF	PRICE, TITUS	1345	535	535	12"	0.56	23.32	3 ROW	50.0	90.19	130.0	98.8	31.17	1.5	0.19	1	36	24	57.9	RTU1	1,2,3,4	A,B
VAV1-3-14	TRANE	VCWF	PRICE, TITUS	690	210	360	10"	0.34	17.35	3 ROW	50.0	94.44	130.0	95.2	34.79	1	0.27	1	34	23	45.2	RTU1	1,2,3,4	A,B
VAV1-3-15	TRANE	VCWF	PRICE, TITUS	220	75	205	5"	0.18	9.1	3 ROW	50.0	90.92	130.0	93.5	36.48	0.5	0.27	1	30	22	29.7	RTU1	1,2,3,4	A,B
VAV2-1-01	TRANE	VCWF	PRICE, TITUS	640	215	215	8"	0.42	7.7	2 ROW	50.0	83.02	130.0	109.4	20.58	0.75	0.06	1	37	25	30.9	RTU2	1,2,3,4	A,B
VAV2-1-02	TRANE	VCWF	PRICE, TITUS	670	200	280	10"	0.22	12.52	2 ROW	50.0	91.23	130.0	104.9	25.1	1	0.19	1	35	24	41.8	RTU2	1,2,3,4	A,B
VAV2-1-03	TRANE	VCWF	PRICE, TITUS	540	255	255	8"	0.47	10.47	3 ROW	50.0	87.85	130.0	102.0	27.98	0.75	0.07	1	34	24	33.7	RTU2	1,2,3,4	A,B
VAV2-1-04	TRANE	VCWF	PRICE, TITUS	470	265	265	8"	0.38	10.61	3 ROW	50.0	86.92	130.0	101.6	28.36	0.75	0.07	1	34	23	33.7	RTU2	1,2,3,4	A,B
VAV2-1-05	TRANE	VCWF	PRICE, TITUS	1675	540	1095	14"	0.44	48.26	3 ROW	50.0	90.64	130.0	97.8	32.25	3	0.50	1	38	27	73.8	RTU2	1,2,3,4	A,B
VAV2-1-06	TRANE	VCWF	PRICE, TITUS	680	445	450	10"	0.22	15.17	2 ROW	50.0	81.09	130.0	99.6	30.42	1	0.19	1	35	24	41.8	RTU2	1,2,3,4	A,B
VAV2-1-07	TRANE	VCWF	PRICE, TITUS	540	190	190	8"	0.32	6.38	2 ROW	50.0	80.95	130.0	104.4	25.57	0.5	0.03	1	36	24	30.9	RTU2	1,2,3,4	A,B
VAV2-1-08	TRANE	VCWF	PRICE, TITUS	930	280	930	12"	0.31	40.76	3 ROW	50.0	90.41	130.0	104.9	25.14	3.25	0.76	1	34	23	57.9	RTU2	1,2,3,4	A,B
VAV2-1-09	TRANE	VCWF	PRICE, TITUS	235	115	115	5"	0.07	4.07	1 ROW	50.0	82.66	130.0	113.7	16.33	0.5	0.53	1/2	34	23	25.2	RTU2	1,2,3,4	A,B
VAV2-1-10	TRANE	VCWF	PRICE, TITUS	140	95	95	4"	0.04	3.76	1 ROW	50.0	86.49	130.0	114.9	15.07	0.5	0.53	1/2	30		25.2	RTU2	1,2,3,4	A,B
VAV2-1-11	TRANE	VCWF	PRICE, TITUS	210	65	175	5"	0.17	8.52	3 ROW	50.0	94.87	130.0	95.9	34.15	0.5	0.27	1	30	22	29.7	RTU2	1,2,3,4	A,B
VAV2-1-12	TRANE	VCWF	PRICE, TITUS	100	45	45	4"	0.03	2.65	1 ROW	50.0	104.3	130.0	119.4	10.62	0.5	0.53	1/2	26		25.2	RTU2	1,2,3,4	A,B
VAV2-1-13	TRANE	VCWF	PRICE, TITUS	405	205	205	6"	0.59	10.66	3 ROW	50.0	97.94	130.0	101.5	28.49	0.75	0.55	1	35	23	29.7	RTU2	1,2,3,4	A,B
VAV2-1-14	TRANE	VCWF	PRICE, TITUS	265	80	200	5"	0.24	9.01	3 ROW	50.0	91.53	130.0	93.9	36.12	0.5	0.27	1	31	23	29.7	RTU2	1,2,3,4	A,B
VAV2-2-01	TRANE	VCWF	PRICE, TITUS	400	130	130	6"	0.43	5.99	2 ROW	50.0	92.52	130.0	106.0	24.04	0.5	0.18	1	36	26	27.5	RTU2	1,2,3,4	A,B
VAV2-2-02	TRANE	VCWF	PRICE, TITUS	175	120	120	4"	0.05	4.15	1 ROW	50.0	81.86	130.0	113.4	16.62	0.5	0.53	1/2	33		25.2	RTU2	1,2,3,4	A,B
VAV2-2-03	TRANE	VCWF	PRICE, TITUS	460	220	220	10"	0.06	7.29	1 ROW	50.0	80.57	130.0	100.8	29.25	0.5	0.98	1/2	34	23	37.6	RTU2	1,2,3,4	A,B
VAV2-2-04A	TRANE	VCWF	PRICE, TITUS	2330	835	835	24" x 16"	0.3	38.87	2 ROW	50.0	92.92	130.0	104.0	25.97	3	0.54	1	38	27	95.1	RTU2	1,2,3,4	A,B
VAV2-2-04B	TRANE	VCWF	PRICE, TITUS	2125	835	835	24" x 16"	0.25	38.87	2 ROW	50.0	92.92	130.0	104.0	25.97	3	0.54	1	37	27	95.1	RTU2	1,2,3,4	A,B
VAV2-2-05	TRANE	VCWF	PRICE, TITUS	840	425	425	10"	0.31	14.87	2 ROW	50.0	82.26	130.0	100.2	29.81	1	0.19	1	36	25	41.8	RTU2	1,2,3,4	A,B
VAV2-2-06	TRANE	VCWF	PRICE, TITUS	1700	860	860	14"	0.45	38.22	3 ROW	50.0	90.98	130.0	95.9	34.06	2.25	0.30	1	38	27	73.8	RTU2	1,2,3,4	A,B
VAV2-2-07	TRANE	VCWF	PRICE, TITUS	305	95	225	6"	0.37	11.15	3 ROW	50.0	95.7	130.0	100.2	29.81	0.75	0.55	1	33	22	29.7	RTU2	1,2,3,4	A,B
VAV2-2-08	TRANE	VCWF	PRICE, TITUS	465	140	295	8"	0.37	12.9	3 ROW	50.0	90.31	130.0	104.2	25.85	1	0.11	1	34	23	33.7	RTU2	1,2,3,4	A,B
VAV2-2-09	TRANE	VCWF	PRICE, TITUS	500	150	275	8"	0.41	12.53	3 ROW	50.0	92	130.0	104.9	25.12	1	0.11	1	34	23	33.7	RTU2	1,2,3,4	A,B
VAV2-2-10	TRANE	VCWF	PRICE, TITUS	275	85	225	5"	0.26	11.15	3 ROW	50.0	95.7	130.0	100.2	29.81	0.75	0.55	1	33	23	29.7	RTU2	1,2,3,4	A,B
VAV2-2-11	TRANE	VCWF	PRICE, TITUS	155	75	75	4"	0.04	3.39	1 ROW	50.0	91.69	130.0	116.4	13.59	0.5	0.53	1/2	31		25.2	RTU2	1,2,3,4	A,B
VAV2-3-01	TRANE	VCWF	PRICE, TITUS	360	110	130	6"	0.49	7.36	3 ROW	50.0	102.2	130.0	100.5	29.53	0.5	0.27	1	34	22	29.7	RTU2	1,2,3,4	A,B
VAV2-3-02	TRANE	VCWF	PRICE, TITUS	880	380	380	12"	0.28	16.12	3 ROW	50.0	89.11	130.0	97.7	32.32	1	0.09	1	34	23	57.9	RTU2	1,2,3,4	A,B
VAV2-3-03A	TRANE	VCWF	PRICE, TITUS	895	400	635	10"	0.51	27.76	3 ROW	50.0	90.64	130.0	98.2	31.81	1.75	0.73	1	35	25	45.2	RTU2	1,2,3,4	A,B
VAV2-3-03B	TRANE	VCWF	PRICE, TITUS	735	735	735	10"	0.37	32.33	3 ROW	50.0	90.55	130.0	101.2	28.8	2.25	1.15	1	34	23	45.2	RTU2	1,2,3,4	A,B
VAV2-3-03C	TRANE	VCWF	PRICE, TITUS	1935	675	1435	14"	0.56	61.95	3 ROW	50.0	89.8	130.0	100.8	29.22	4.25	0.95	1	38	27	73.8	RTU2	1,2,3,4	A,B
VAV3-4-01	TRANE	VCWF	PRICE, TITUS	650	200	450	10"	0.31	22.59	3 ROW	50.0	96.29	130.0	99.8	30.2	1.5	0.55	1	34	23	45.2	RTU3	1,2,3,4	A,B
VAV3-4-02	TRANE	VCWF	PRICE, TITUS	1790	540	1020	14"	0.49	45.09	3 ROW	50.0	90.77	130.0	97.1	32.88	2.75	0.43	1	38	27	73.8	RTU3	1,2,3,4	A,B
VAV3-4-03	TRANE	VCWF	PRICE, TITUS	635	200	465	10"	0.3	21.36	3 ROW	50.0	92.36	130.0	95.7	34.26	1.25	0.40	1	34	23	45.2	RTU3	1,2,3,4	A,B
VAV3-4-04	TRANE	VCWF	PRICE, TITUS	675	380	380	10"	0.33	19.51	3 ROW	50.0	97.33	130.0	98.7	31.29	1.25	0.40	1	34	23	45.2	RTU3	1,2,3,4	A,B
VAV3-4-05	TRANE	VCWF	PRICE, TITUS	2300	690	1270	16"	0.54	54.8	3 ROW	50.0	89.79	130.0	93.4	36.63	3	0.54	1	39	28	81.9	RTU3	1,2,3,4	A,B
VAV3-4-06	TRANE	VCWF	PRICE, TITUS	505	375	375	8"	0.56	16.52	4 ROW	50.0	90.63	130.0	96.9	33.13	1	0.14	1	33	21	36	RTU3	1,2,3,4	A,B
VAV3-4-07	TRANE	VCWF	PRICE, TITUS	615	310	310	8"	0.58	13.15	3 ROW	50.0	89.12	130.0	103.6	26.37	1	0.11	1	35	24	33.7	RTU3	1,2,3,4	A,B
VAV3-4-08	TRANE	VCWF	PRICE, TITUS	1300	390	1210	14"	0.29	53.62	3 ROW	50.0	90.86	130.0	99.3	30.72	3.5	0.67	1	36	26	73.8	RTU3	1,2,3,4	A,B
VAV3-4-09	TRANE	VCWF	PRICE, TITUS	1385	415	510	12"	0.58	22.88	3 ROW	50.0	91.36	130.0	99.4	30.58	1.5	0.19	1	36	24	57.9	RTU3	1,2,3,4	A,B
VAV3-4-10	TRANE	VCWF	PRICE, TITUS	1405	425	530	12"	0.6	23.23	3 ROW	50.0	90.42	130.0	98.9	31.06	1.5	0.19	1	36	24	57.9	RTU3	1,2,3,4	A,B
VAV3-4-11	TRANE	VCWF	PRICE, TITUS	1405	575	575	12"	0.6	25.93	3 ROW	50.0	91.59	130.0	100.3	29.71	1.75	0.25	1	36	24	57.9	RTU3	1,2,3,4	A,B
VAV3-4-12	TRANE	VCWF	PRICE, TITUS	520	270	270	8"	0.58	14.42	4 ROW	50.0	99.24	130.0	101.1	28.91	1	0.14	1	32	21	36	RTU3	1,2,3,4	A,B
VAV3-4-13	TRANE	VCWF	PRICE, TITUS	1750	525	1045	14"	0.47	45.53	3 ROW	50.0	90.18	130.0	96.8	33.2	2.75	0.43	1	38	27	73.8	RTU3	1,2,3,4	A,B
VAV3-4-14	TRANE	VCWF	PRICE, TITUS	810	245	360	10"	0.43	17.35	3 ROW	50.0	94.44	130.0	95.2	34.79	1	0.27	1	34	24	45.2	RTU3	1,2,3,4	A,B
VAV3-4-15	TRANE	VCWF	PRICE, TITUS	1150	365	745	12"	0.44	32.32	3 ROW	50.0	90	130.0	101.2	28.79	2.25	0.39	1	35	23	57.9	RTU3	1,2,3,4	A,B
VAV3-4-16	TRANE	VCWF	PRICE, TITUS	500	190	190	8"	0.41	8.13	3 ROW	50.0	89.48	130.0	97.4	32.62	0.5	0.03	1	34	23	33.7	RTU3	1,2,3,4	A,B
VAV3-4-17	TRANE	VCWF	PRICE, TITUS	335	115	115	6"	0.32	5.63	2 ROW	50.0	95.18	130.0	107.4	22.59	0.5	0.18	1	35	25	27.5	RTU3	1,2,3,4	A,B
VAV3-4-18	TRANE	VCWF	PRICE, TITUS	330	115	115	6"	0.31	5.63	2 ROW	50.0	95.18	130.0	107.4	22.59	0.5	0.18	1	34	25	27.5	RTU3	1,2,3,4	A,B
VAV3-4-19	TRANE	VCWF	PRICE, TITUS	2100	1330	1330	16"	0.47	57.9	3 ROW	50.0	90.14	130.0	94.3	35.72	3.25	0.63	1	39	28	81.9	RTU3	1,2,3,4	A,B
VAV3-4-20	TRANE	VCWF	PRICE, TITUS	295	115	115	5"	0.19	5.63	2 ROW	50.0	95.18	130.0	107.4	22.59	0.5	0.18	1	36	25	27.5	RTU3	1,2,3,4	A,B
VAV3-4-21	TRANE	VCWF	PRICE, TITUS	520	195	410	8"	0.58	19.11	4 ROW	50.0	92.99	130.0	99.3	30.66	1.25	0.21	1	32	21	36	RTU3	1,2,3,4	A,B
VAV3-4-22	TRANE	VCWF	PRICE, TITUS	335	140	205	6"	0.43	10.66	3 ROW	50.0	97.94	130.0	101.5	28.49	0.75	0.55	1	33	22	29.7	RTU3	1,2,3,4	A,B
VAV3-4-23	TRANE	VCWF	PRICE, TITUS	460	140	370	8"	0.48	16.44	4 ROW	50.0	90.98	130.0	97.0	32.97	1	0.14	1	31	21	36	RTU3	1,2,3,4	A,B
VAV3-4-24	TRANE	VCWF	PRICE, TITUS	700	210	590	10"	0.34	25.44	3 ROW	50.0	89.75	130.0	96.0	34	1.5	0.56	1	34	23	45.2	RTU3	1,2,3,4	A,B
VAV3-4-25	TRANE	VCWF	PRICE, TITUS	690	210	580	10"	0.34	25.26	3 ROW	50.0	90.16	130.0	96.2	33.77	1.5	0.56	1	34	23	45.2	RTU3	1,2,3,4	A,B
VAV3-4-26	TRANE	VCWF	PRICE, TITUS	190	115	115	4"	0.1	5.63	2 ROW	50.0	95.18	130.0	107.4	22.59	0.5	0.18	1	34	25	27.5	RTU3	1,2,3,4	A,B
VAV3-4-27	TRANE	VCWF	PRICE, TITUS	350	120	120	6"	0.34	5.76	2 ROW	50.0	94.26	130.0	106.9	23.09	0.5	0.18	1	35	25	27.5	RTU3	1,2,3,4	A,B
VAV3-4-28	TRANE	VCWF	PRICE, TITUS	290	90	185	5"	0.19	8.13	2 ROW	50.0	90.52	130.0	108.3	21.73	0.75	0.37	1	36	25	27.5	RTU3	1,2,3,4	A,B
VAV3-4-29	TRANE	VCWF	PRICE, TITUS	120	50	50	4"	0.03	2.8	1 ROW	50.0	101.6	130.0	118.8	11.21	0.5	0.53	1/2	28		25.2	RTU3	1,2,3,4	A,B
VAV3-4-30	TRANE	VCWF	PRICE, TITUS	555	170	465	8"	0.49	20.63	3 ROW	50.0	90.92	130.0	109.3	20.68	2	0.38	1	34	24	33.7	RTU3	1,2,3,4	A,B
VAV3-4-31	TRANE	VCWF	PRICE, TITUS	3360	1010	1010	24" x 16"	0.55	43.81	2 ROW	50.0	90	130.0	103.0	27.04	3.25	0.63	1	39	28	95.1	RTU3	1,2,3,4	A,B

NOTES:
1 REFER TO SPECIFICATION SECTION 233600 - AIR TERMINAL UNITS FOR FURTHER INFORMATION.
2 COIL CONNECTION AND CONTROL ENCLOSURE SHALL BE ON SAME SIDE OF THE UNIT.
3 REFER TO PIPING DIAGRAMS FOR CONTROL VAVLE TYPE (2-WAY VS 3-WAY)
4 R

HOOD INFORMATION – JOB#8439150

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S)							HOOD CONSTRUCTION	HOOD CONFIG	
										WIDTH	LENG	HEIGHT	DIA	CFM	VEL	SP		END TO END	ROW
1	KEH-1	4824 ND-2	CAPTIVEAIRE	6' 0"	600 DEG	I	HEAVY	200	1200			4"	10"	1200	2200	-0.740"	430 SS WHERE EXPOSED	ALONE	ALONE

HOOD INFORMATION

HOOD NO	TAG	FILTER(S) TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	LIGHT(S) QTY	TYPE	WIRE GUARD	LOCATION	SIZE	UTILITY CABINET(S) FIRE SYSTEM TYPE	FIRE SYSTEM SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY	FIRE SYSTEM PIPING	HOOD HANGING WEIGHT
1	KEH-1	CAPTRATE SOLO FILTER	4	20"	16"	85% SEE FILTER SPEC	2	RECESSED ROUND	NO	RIGHT	12"x48"x24"	TANK FS	4.0	DCV-1011	1 LIGHT 1 FAN	YES	676 LBS

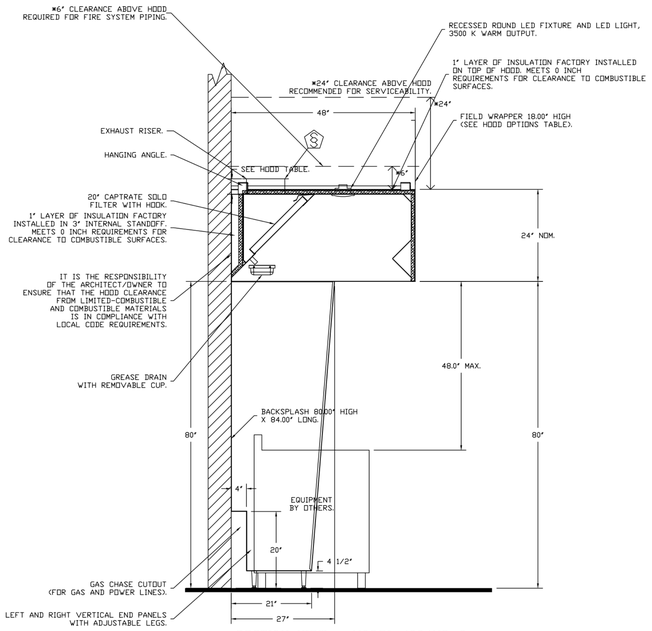
HOOD OPTIONS

HOOD NO	TAG	OPTION
1	KEH-1	FIELD WRAPPER 18.00" HIGH FRONT, LEFT, RIGHT.
		BACKSPLASH 80.00" HIGH X 84.00" LONG 430 SS VERTICAL.
		INSULATION FOR TOP OF HOOD.
		INSULATION FOR BACK OF HOOD.
		RISER SENSOR INSTALL 6IN PLEN.
		RIGHT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.
		LEFT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.

(S)

GREASE DUCT & CHIMNEY SPECIFICATIONS:
PROVIDE GREASE DUCT EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW" ROUND 20 GAUGE 430 STAINLESS STEEL DUCTWORK. MODEL "DW" IS LISTED TO UL-1978 AND IS INSTALLED USING "V" CLAMP LOCKING CONNECTIONS SEALED WITH 3M FIRE BARRIER 2000 PLUS. MODEL "DW" DOES NOT REQUIRE WELDING PROVIDING IT HAS BEEN INSTALLED PER THE MANUFACTURES INSTALLATION GUIDE.
PROVIDE RATED ACCESS DOORS AT EVERY CHANGE IN DIRECTION AND EVERY 12' ON CENTER. PER MANUFACTURES LISTING MODEL "DW" HORIZONTAL RUNS LESS THAN 75 FT. CAN BE SLOPED 1/16" PER 12", HORIZONTAL RUNS MORE THAN 75 FT. CAN BE SLOPED 3/16" PER 12". DUCT SHOULD BE SLOPED AS MUCH AS POSSIBLE TO REDUCE THE CHANCE OF GREASE ACCUMULATION IN HORIZONTAL RUNS.

IF THE DUCT OR CHIMNEY IS WITHIN 18 INCHES OF COMBUSTIBLE MATERIAL, PROVIDE UL-2221 OR UL-103 HT LISTED DOUBLE WALL GREASE DUCT OR DOUBLE WALL CHIMNEY EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW- 2R, 2R TYPE HT, 3R, OR 3Z" ROUND 20 GAUGE 430 STAINLESS INNER DUCT INSULATED WITH A 24 GAUGE 430 STAINLESS OUTER SHELL.



SECTION VIEW – MODEL 4824ND-2
HOOD – #1 (KEH-1)

- BACKSPLASH IS NOT INSULATED AND IS UNSUITABLE FOR INSTALL AGAINST COMBUSTIBLE WALLS

CLEARANCE TO COMBUSTIBLES

HOODS #	SURFACE	*CLEARANCE
1	TOP	0"
	FRONT	0"
	BACK	0"
	LEFT	18"
	RIGHT	0"

- *0" CLEARANCE TO COMBUSTIBLES CONFORMS TO UL710 STANDARD.
- HOOD MOUNTED UTILITY CABINETS REQUIRE 36" SERVICE CLEARANCE.

SPECIFICATION: CAPTRATE• GREASE-STOP• SOLO FILTER

THE CAPTRATE GREASE-STOP SOLO FILTER IS A SINGLE-STAGE FILTER FEATURING A UNIQUE S-BAFFLE DESIGN IN CONJUNCTION WITH A SLOTTED REAR BAFFLE DESIGN, TO DELIVER EXCEPTIONAL FILTRATION EFFICIENCY.

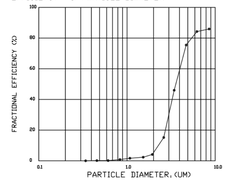
FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD 2-INCH DEEP HOOD CHANNEL(S).

UNITS SHALL INCLUDE STAINLESS STEEL HANDLES AND A FASTENING DEVICE TO SECURE THE TWO COMPONENTS WHEN ASSEMBLED.

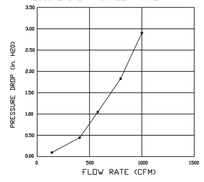
GREASE EXTRACTION EFFICIENCY PERFORMANCE SHALL REMOVE AT LEAST 75% OF GREASE PARTICLES FIVE MICRONS IN SIZE, AND 85% GREASE PARTICLES SEVEN MICRONS IN SIZE AND LARGER, WITH A CORRESPONDING PRESSURE DROP NOT TO EXCEED 1.0 INCHES OF WATER GAUGE.

THE CAPTRATE GREASE-STOP SOLO WAS TESTED TO ASTM STANDARD ASTM F2519-05. MANUFACTURER APPROVED FOR USE IN SOLID FUEL APPLICATIONS AS A SPARK ARRESTER.

EFFICIENCY VS. PARTICLE DIAMETER

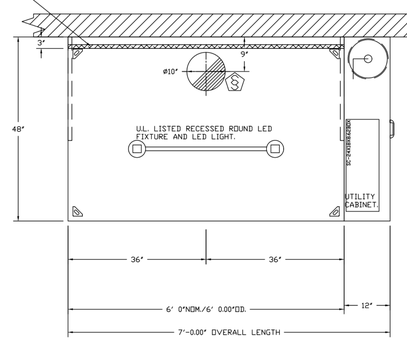


PRESSURE DROP VS. FLOW RATE



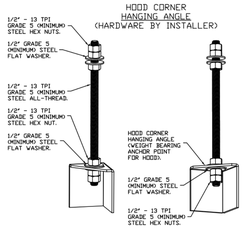
CAPTRATE FILTERS ARE BUILT IN COMPLIANCE WITH.
NFPA #96.
NSF STANDARD #2.
UL STANDARD #1046.
INT. MECH. CODE (IMC).
ULC-S649.

1" LAYER OF INSULATION FACTORY INSTALLED IN INTERNAL BACK STANDOFF. MEETS 0 INCH REQUIREMENTS FOR CLEARANCE TO COMBUSTIBLE SURFACES.



PLAN VIEW – HOOD #1 (KEH-1)
6' 0.00" LONG 4824ND-2

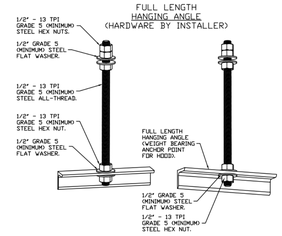
HOOD CORNER HANGING ANGLE (HARDWARE BY INSTALLER)



ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH HOOD HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

FULL LENGTH HANGING ANGLE (HARDWARE BY INSTALLER)



ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION ABOVE CEILING ANCHORS. SINGLE HEX NUT BENEATH HANGING ANGLE IS ACCEPTABLE FOR FULL LENGTH HANGING ANGLES. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

NOTE:

BASIS OF DESIGN IS BY CAPTIVEAIRE AND IS FOR REFERENCE ONLY. MECHANICAL CONTRACTOR TO INCLUDE PURCHASE AND INSTALLATION IN PRICING. VERIFY AND COORDINATE WITH ACTUAL EQUIPMENT PROVIDED.

1 M-603 **MECHANICAL - KITCHEN HOOD DETAILS**
NOT TO SCALE

ALL DRAWINGS, SPECIFICATIONS AND CODES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THOSE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED ON REQUEST AT THE COMPLETION OF THE PROJECT. THE CONSTRUCTION OR REALIZATION FROM ANY DRAWINGS, PARTICULARLY IF MODIFIED, WITHOUT THE WRITTEN PERMISSION AND AGREEMENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE, IS PROHIBITED. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR, BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: WTB
DRAWN BY: WTB

SHEET TITLE:
MECHANICAL-KITCHEN HOOD SCHEDULES & DETAILS

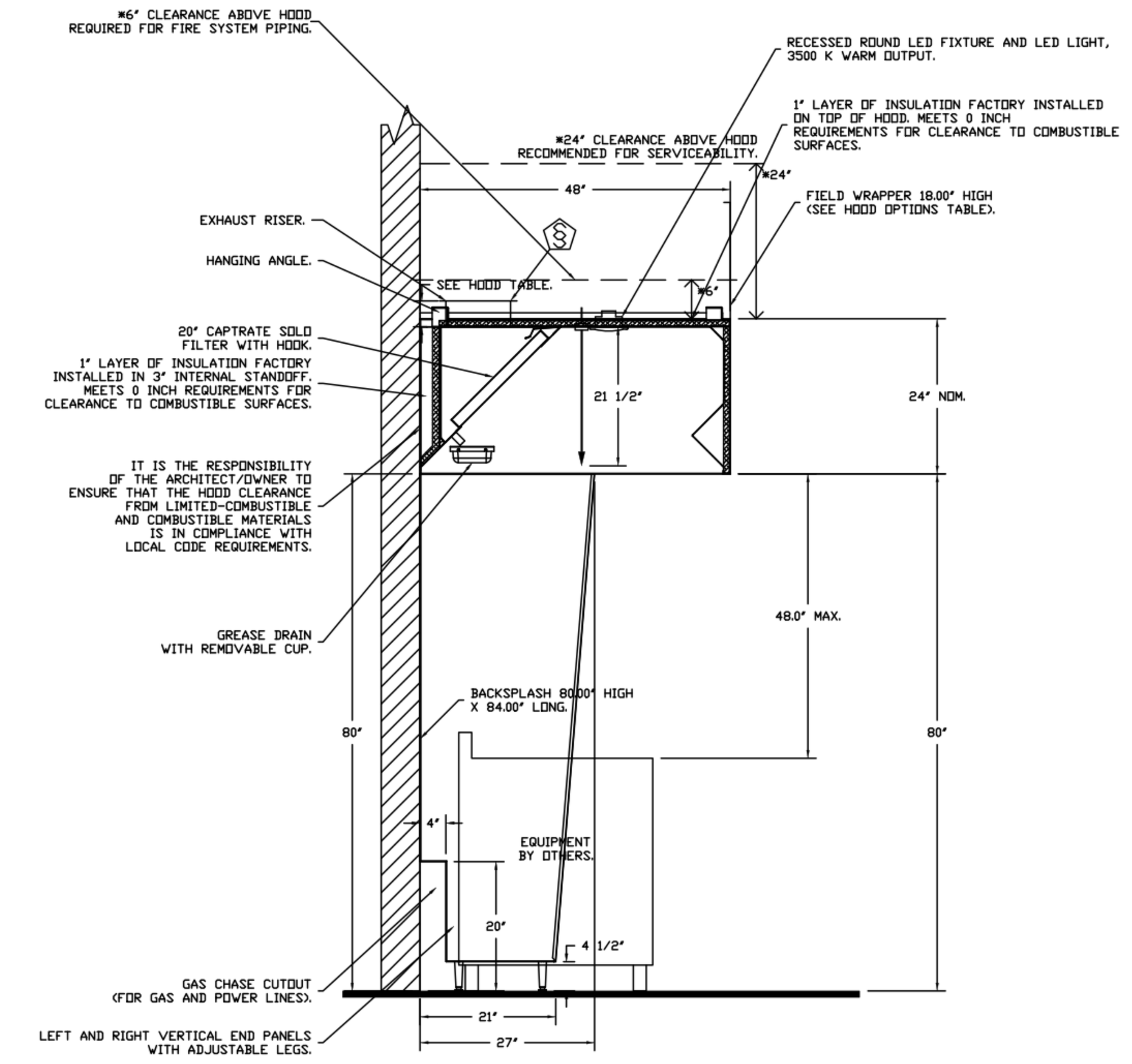
SHEET NO. M-603
PROJ. NO. 024370.00

FIRE SYSTEM PARTS LIST KEY

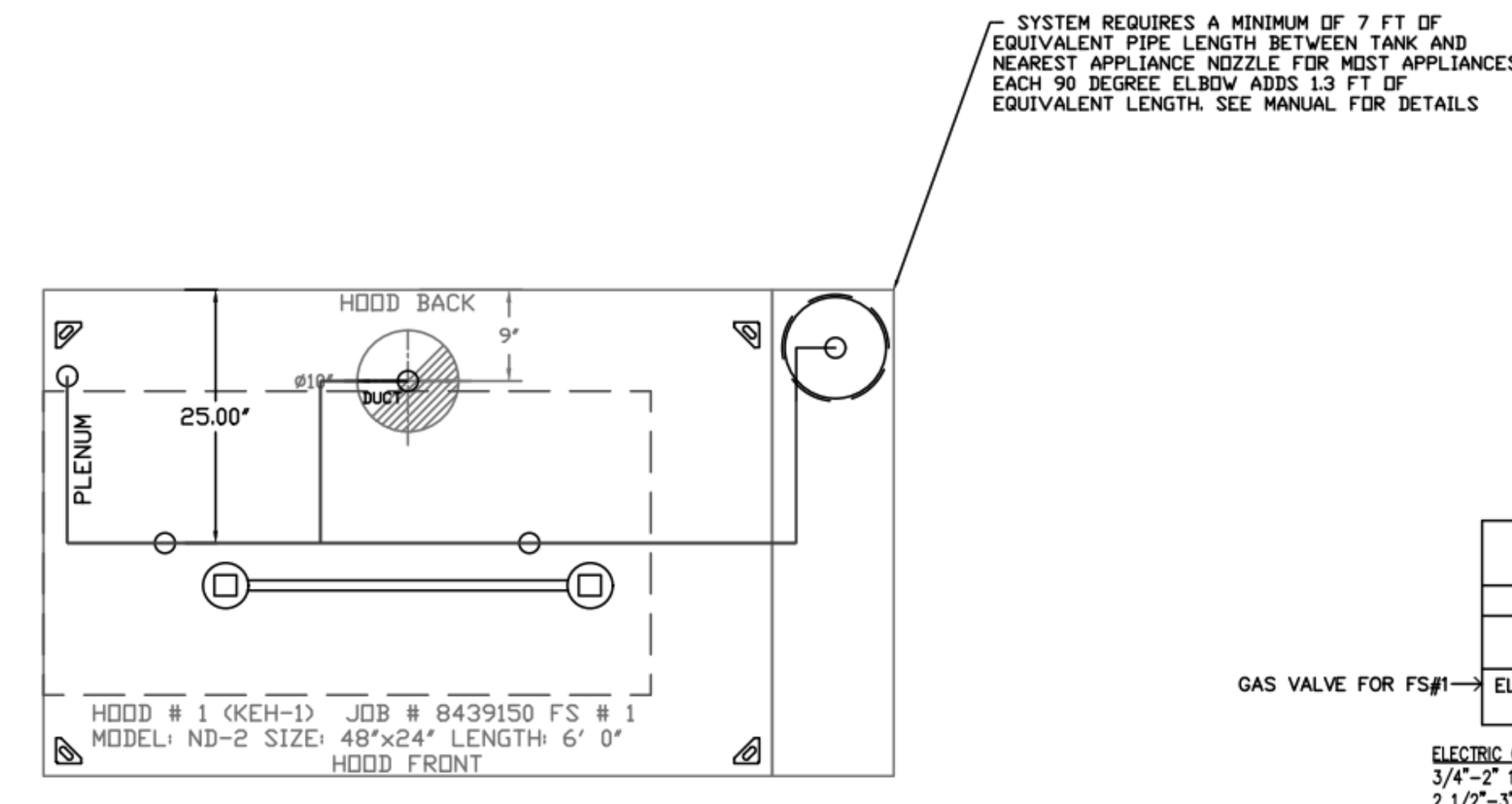
FIRE SYSTEM NO	TAG	KEY NUMBER - PART DESCRIPTION	QTY BY FACTORY	QTY BY DIST
1	FSS-1	0 - 0 - TANK FIRE SUPPRESSION POST-DISCHARGE PROCEDURE UTILITY CABINET LABEL SHEET.	1	0
		0 - 0 - TANK FIRE SUPPRESSION MAINTENANCE GUIDE UTILITY CABINET LABEL SHEET.	1	0
		0 - 0 - 12-F28021-32144-OT-360 DUCT FIRE THERMOSTAT WITH 12 FOOT WIRE LEADS. NO, CLOSE ON TEMP RISE AT 360°F. (A0034310).	1	0
		0 - 0 - 32-00002 QUIK SEAL - 1/2" (UL).	1	0
		0 - 0 - 4429K153 1/2" MALE NPT TO 1/2" FEMALE NPT ELBOW, BRASS.	1	0
		0 - 0 - 4429K422 1/2" X 1/4" BRASS REDUCING BUSHING.	1	0
		0 - 0 - 79525 1/2" 90 PRO-PRESS ELBOW WITH 1/2" NPT FEMALE CONNECTION, VIEGA.	1	0
		0 - 0 - 79580 1/2" X 1/2" PRO-PRESS TEE X 1/2" NPT FEMALE CONNECTION, VIEGA.	1	0
		0 - 0 - 87-300001-001 TANK - PRESSURIZED TANK USED FOR TANK FIRE SUPPRESSION.	1	0
		0 - 0 - 87-300030-001 PRIMARY ACTUATOR KIT (PAK) - ACTUATOR AND RELEASE SOLENOID ASSEMBLY, ONE NEEDED PER FIRE SYSTEM, SUPERVISED, TANK FIRE SUPPRESSION.	1	0
		0 - 0 - 87-300033-001 DIN CONNECTOR, CANFIELD PART #5J560-201-EU0A, TANK FIRE SUPPRESSION, SUBMINATURE SOLENOID CONNECTION (CED VENDOR 30377).	1	0
		0 - 0 - 87-300152-001 HARDWARE, SVA BOLTS, TANK FIRE SUPPRESSION.	4	0
		0 - 0 - 9055455PC PRO PRESS 1/2 PRESS X PRESS 90 ELBOW LD.	4	0
		0 - 0 - 9097200PC PRO PRESS PC611 1/2 PRESS TEE LD.	3	0
		0 - 0 - 98694A115 HARDWARE, DATANKLOCK LOCKING BRACKET SQUARE NUTS 5/16" ZINC, TANK FIRE SUPPRESSION.	2	0
		0 - 0 - A0034332 JUNCTION BOX FOR MANUAL PULL STATION. 1.5" DEEP BACK BOX, RED COLOR.	1	0
		0 - 0 - A31484 1/4" NPT SCHRADER VALVE AND CAP, JB INDUSTRIES. 1/4" FLARE X 1/4" MPT HALF UNION. USED ON TANK SERVICE PORT.	1	0
		0 - 0 - BI145 3/8" BLACK IRON 90 ELL.	2	0
		0 - 0 - DATANKLOCK DISCHARGE ADAPTER TANK LOCKING PLATE FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	1	0
		0 - 0 - TANK STRAP TANK STRAP - USED FOR TANK FIRE SUPPRESSION.	3	0
		0 - 0 - TFS-UCTANKBRACKET TANK BRACKET FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	1	0
		0 - 0 - WK-283952-000 DISCHARGE ADAPTER, TANK FIRE SUPPRESSION.	1	0
		16 - 16 - 79210 1/2" X 3/8" NPT MALE ADAPTER, VIEGA.	4	0
		16 - 16 - OL-F NOZZLE - TANK PROTECTION APPLIANCE COVERAGE NOZZLE (INCLUDES METAL BLOW OFF CAP, LANYARD, USED WITH CHROME-PLATED PIPE).	4	0
		26 - 26 - QSA-3/8 QUIK SEAL - 3/8" (UL).	4	0
		34 - 34 - A0034331 RED COLOR - 24VDC SINGLE ACTION MANUAL ACTUATION DEVICE (PUSH/PULL STATION) WITH PROTECTIVE COVER, ONE (1) NORMALLY OPEN CONTACT.	1	0

GAS VALVE(S)

FIRE SYSTEM NO	TAG	TYPE	SIZE	SUPPLIED BY
1	FSS-1	SC ELECTRICAL	2.000	CAPTIVEAIRE SYSTEMS



SECTION VIEW - MODEL 4824ND-2 HOOD - #1



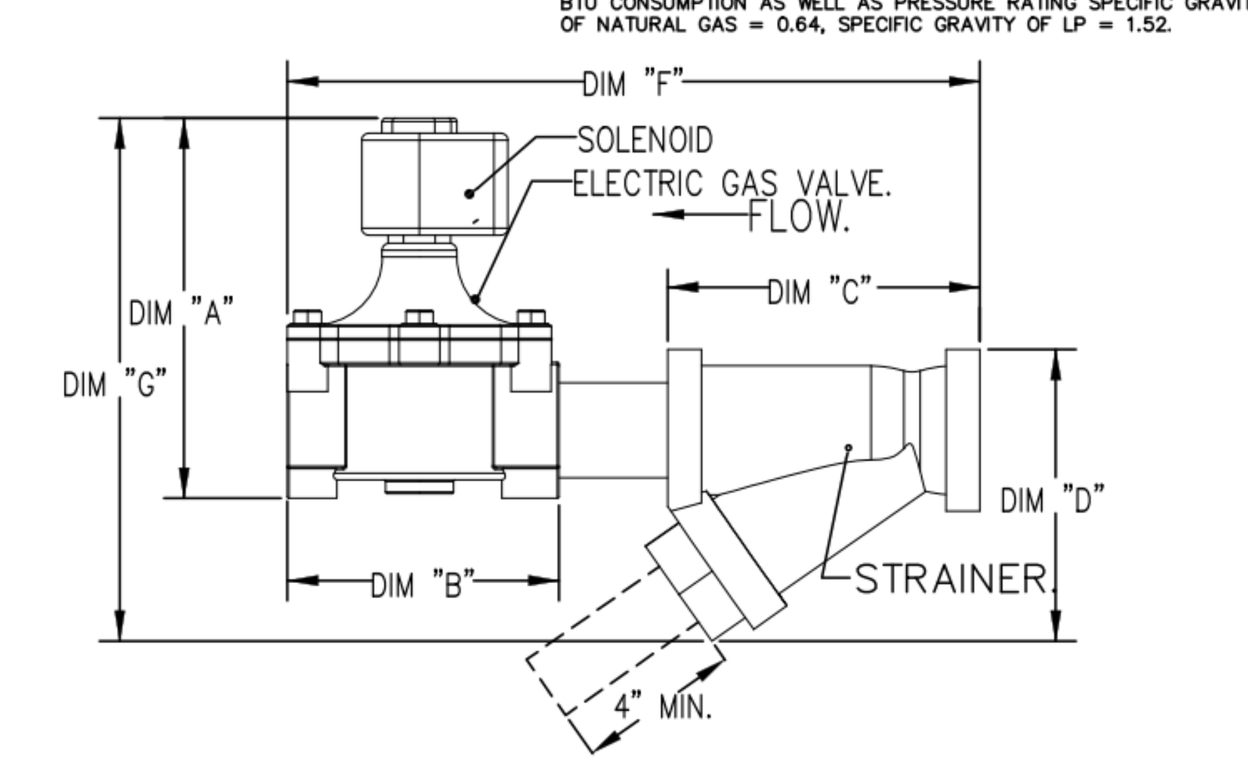
GAS VALVES AND STRAINERS

	GAS VALVE SIZING							GAS VALVE DIMENSIONS						INSTALLATION	PART NUMBERS		
	TYPE	SIZE	VOLTAGE	MIN. INLET PRESSURE	MAX. INLET PRESSURE	FLOW AT 1 IN.W.C. DROP NATURAL GAS	FLOW AT 1 IN.W.C. DROP PROPANE	DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "F"	DIM "G"	PIPE ORIENTATION	GAS VALVE PART NUMBER	STRAINER PART NUMBER	GAS VALVE/STRAINER KIT
GAS VALVE FOR FS#1	ELECTRICAL	2"	120 VAC	0 PSI (0 IN.W.C.)	5 PSI (138 IN.W.C.)	2,940,500 BTU/HR	1,908,048 BTU/HR	7-5/8"	6-3/8"	7-1/4"	7-13-16"	15-5/8"	13-15/16"	HORIZONTAL/VERTICAL	8214280	4417K68	(SC)EGVA2

ELECTRIC GAS VALVES ONLY: SOLENOID ORIENTATION
3/4"-2" 120VAC GAS VALVES CAN BE MOUNTED WITH THE SOLENOID IN ANY POSITION AT OR ABOVE HORIZONTAL.
2 1/2"-3" 120VAC GAS VALVES MUST BE MOUNTED WITH THE SOLENOID VERTICAL AND UPRIGHT.
24VDC GAS VALVES MUST BE MOUNTED WITH THE SOLENOID VERTICAL AND UPRIGHT.

ALL GAS VALVES/STRAINERS
PROPER CLEARANCE MUST BE PROVIDED IN ORDER TO SERVICE THE STRAINERS. A MINIMUM OF 4" CLEARANCE DISTANCE MUST BE PROVIDED AT THE BASE OF THE STRAINER. CUSTOMER MUST VERIFY BTU CONSUMPTION AS WELL AS PRESSURE RATING. SPECIFIC GRAVITY OF NATURAL GAS = 0.64, SPECIFIC GRAVITY OF LP = 1.52.

CALCULATIONS
TO CALCULATE GAS FLOW FOR OTHER THAN 1 IN.W.C. PRESSURE DROP
NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP) X NEW PRESSURE DROP$^{0.5}$
TO CALCULATE GAS FLOW FOR OTHER THAN 0.64 SPECIFIC GRAVITY
NEW BTU/HR = (BTU/HR AT 0.64) X (0.64 / NEW SPECIFIC GRAVITY)$^{0.5}$.



NOTES
- FIELD PIPE DROPS AS SHOWN
  PIPING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS.
- FIELD INSTALLED DROP: FACTORY WILL PROVIDE QTY 2 60IN LONG PIECES OF CHROME PLATED PIPING SHIPPED LOOSE TO BE FIELD-INSTALLED.
- SHIP LOOSE DROP: FACTORY WILL PROVIDE THE EXACT CHROME PIPE LENGTH NEEDED SHIPPED LOOSE TO BE FIELD-INSTALLED.
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.
- OVERLAPPING COVERAGE SHALL NOT BE USED ON ANY APPLIANCE WITH AN OBSTRUCTION.
- IF APPLICABLE, EXTENDED PRE-PIPED DROPS ARE SHIPPED LOOSE.
- FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.

- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.

- THIS PRE-ENGINEERED FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS.

- OL-F NOZZLE PART NUMBER REPLACES 3070-3/8H-10-SS

JOB #: 8439150.
JOB NAME: BRUNSWICK COUNTY HHS.

SYSTEM SIZE: TANK-SP-1 DESIGN FP: 18. MAXIMUM FP: 20.
HOOD # 1 6' 0.00" LONG x 48" WIDE x 24" HIGH.
RISER # 1 SIZE: 10" DIA.
HOOD # 1 METAL BLOW-OFF CAPS INCLUDED.

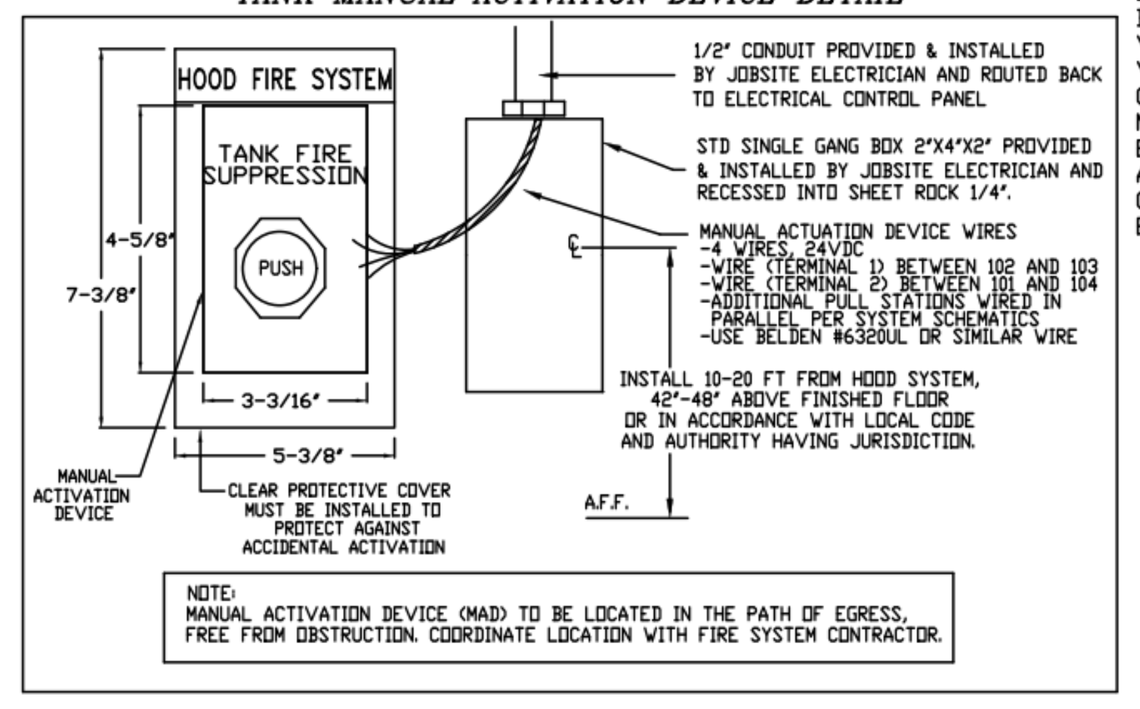
- HEAVY-DUTY APPLIANCES (RATED 600°F) WILL REQUIRE AN ADDITIONAL DOWNSTREAM FIRESTAT IN THE EVENT THAT THE DUCTWORK CONTAINS ANY HORIZONTAL RUNS OVER 25 FT IN LENGTH.
- MEDIUM TO LIGHT-DUTY APPLIANCES (RATED 450°F) WILL NOT REQUIRE ANY ADDITIONAL DOWNSTREAM DETECTION.

AGENT DISTRIBUTION PIPING LIMITATIONS	
PIPE SECTION	MAX PIPE LENGTH (FT)
MAX SUPPLY LINE TO FIRST OVERLAPPING NOZZLE	42
OVERLAPPING NOZZLE APPLIANCE BRANCH	10
DEDICATED NOZZLE APPLIANCE BRANCH	10

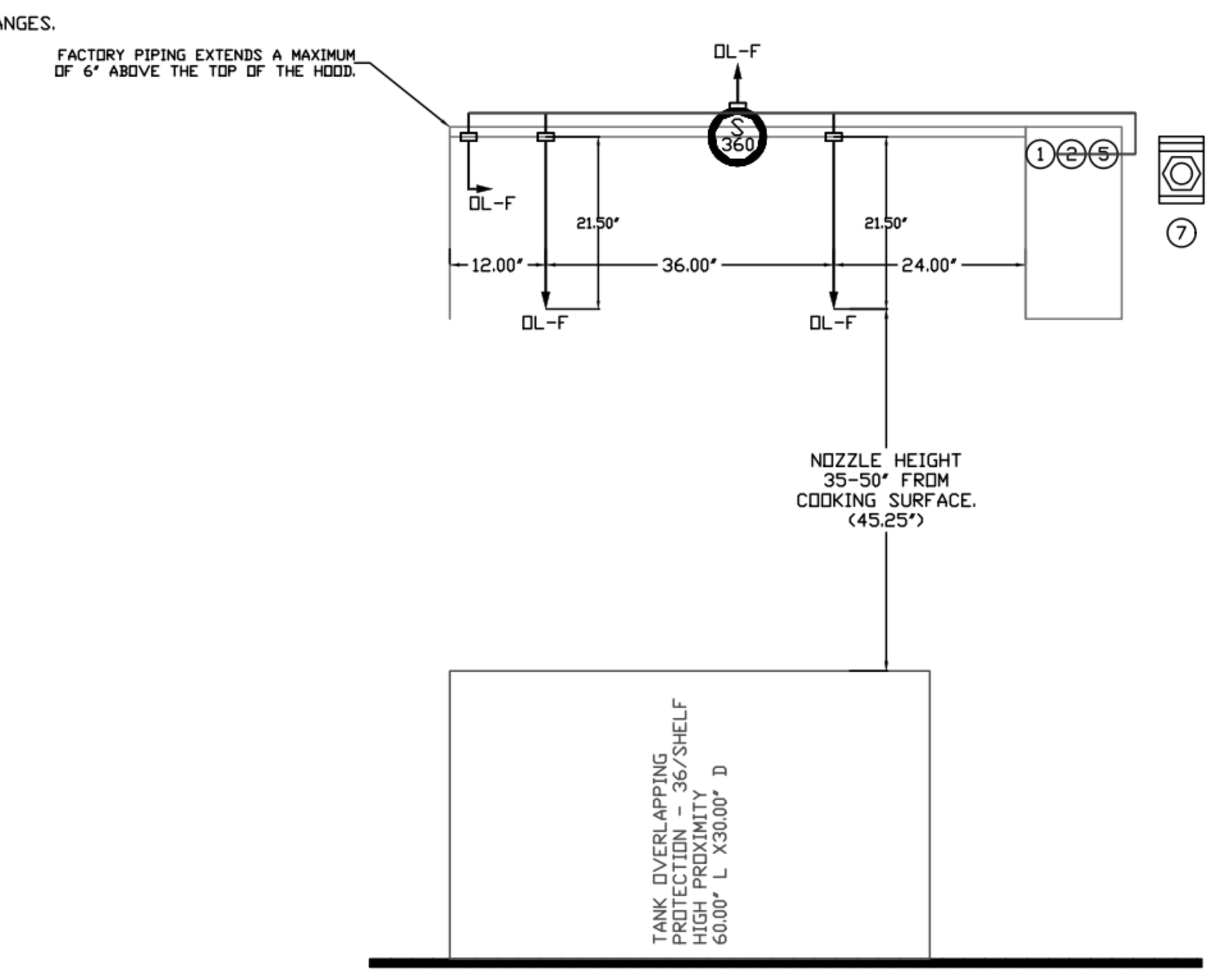
LEGEND - FIRE CABINET TANK SYSTEM

1 4 GALLON TANK.
2 PRIMARY ACTUATOR RELEASE.
3 SECONDARY ACTUATOR RELEASE.
4 PRESSURE SUPERVISION SWITCH.
5 PRIMARY HOSE ASSEMBLY.
6 SECONDARY HOSE ASSEMBLY.
7 REMOTE MANUAL ACTUATION DEVICE.

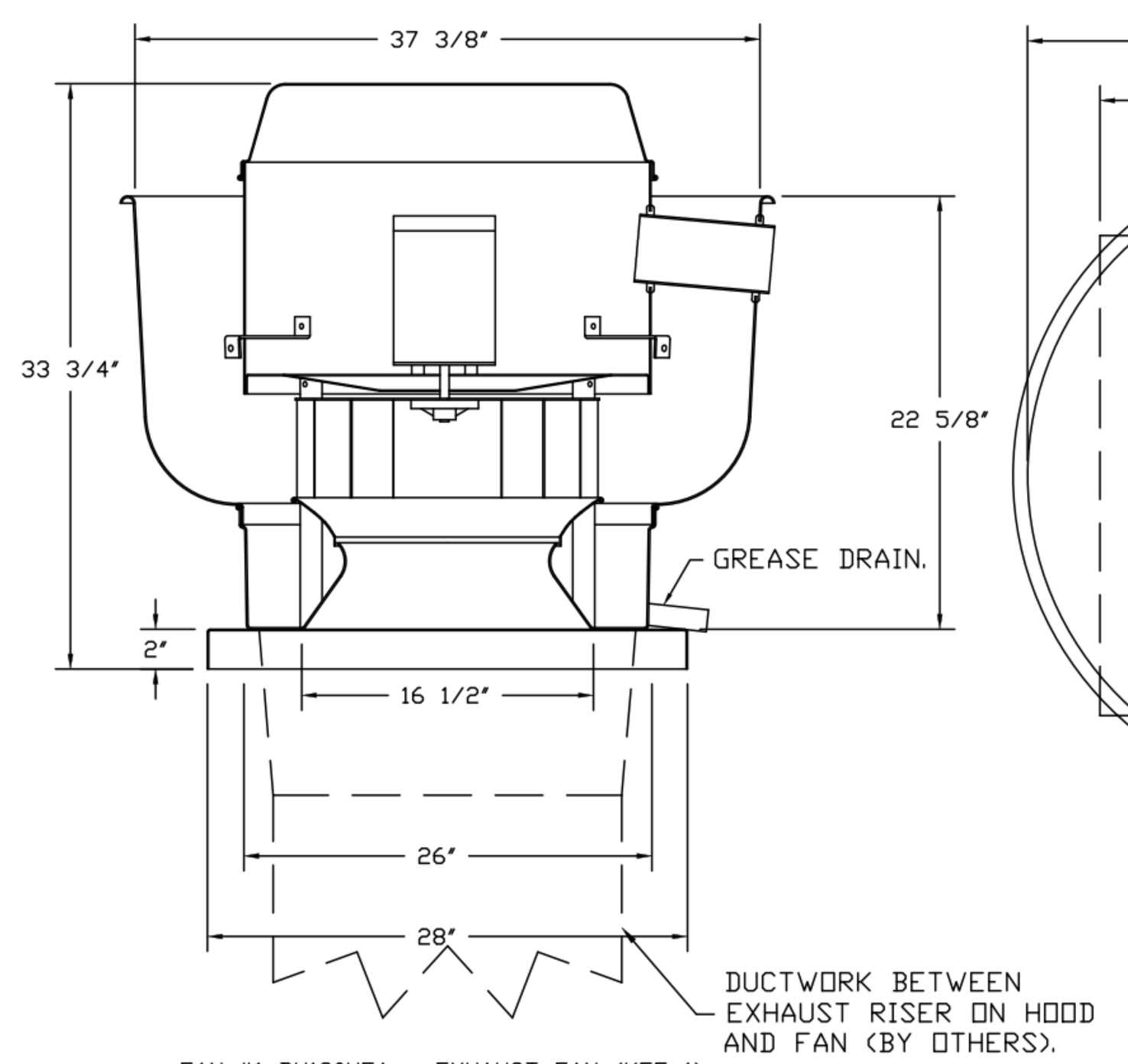
TANK MANUAL ACTIVATION DEVICE DETAIL



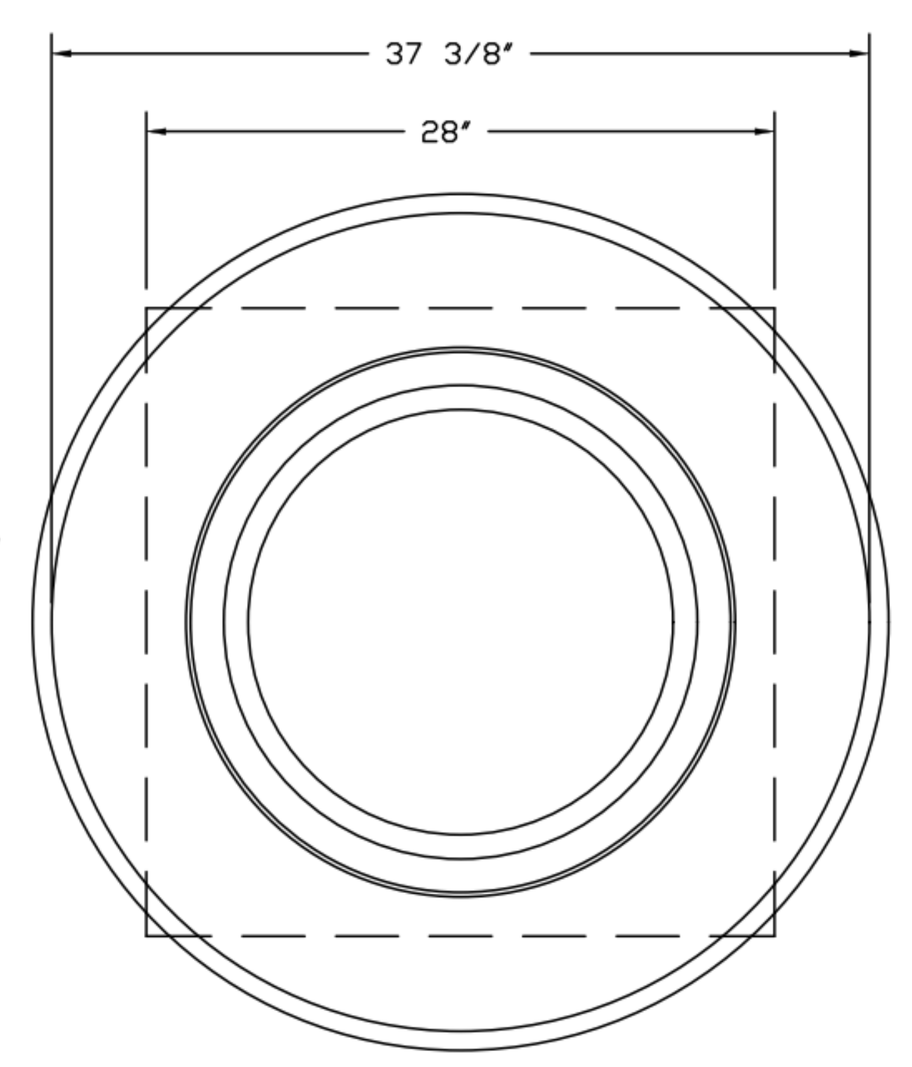
INCLUDES: FIELD INSTALLATION AND HOOKUP DURING NORMAL BUSINESS HOURS BY CERTIFIED INSTALLERS ONLY IN THE LOCATION NOTED ABOVE, TWO SITE VISITS ONLY (ONE VISIT TO SET PULL STATION & SYSTEM HOOKUP AND ONE VISIT FOR ONE TEST; ADDITIONAL VISITS WILL RESULT IN ADDITIONAL CHARGES), ONE MECHANICAL OR ELECTRICAL GAS VALVE PER SYSTEM AT A MAXIMUM SIZE OF 2", PERMIT, AND SYSTEM TEST.
EXCLUDES: UNION LABOR & PREVAILING WAGE (LABOR & WAGES WILL BE ADDED IF APPLICABLE), GAS VALVE INSTALLATION, ELECTRICAL HOOKUP AND CONNECTIONS, HANGING OF FIRE CABINET, SHUNT TRIP, HANDHELD EXTINGUISHER(S), ON-SITE RE-PIPING DUE TO EQUIPMENT LAYOUT CHANGES.



1 / M-604 MECHANICAL - KITCHEN HOOD FIRE SYSTEM DETAILS
NOT TO SCALE



FAN #1 DU180HFA - EXHAUST FAN (KEF-1)



TOP VIEW

FEATURES:
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

NORMAL TEMPERATURE TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

ABNORMAL FLARE-UP TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS
- GREASE BOX.
- FAN BASE CERAMIC SEAL - DU/DR180HFA - INSTALLED AT PLANT - FOR GREASE DUCTS.
- 2 YEAR PARTS WARRANTY.

FAN ACCESSORIES

FAN UNIT NO	TAG	EXHAUST			SUPPLY			
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
1	KEF-1	YES						

EXHAUST FAN INFORMATION - JOB#8439150

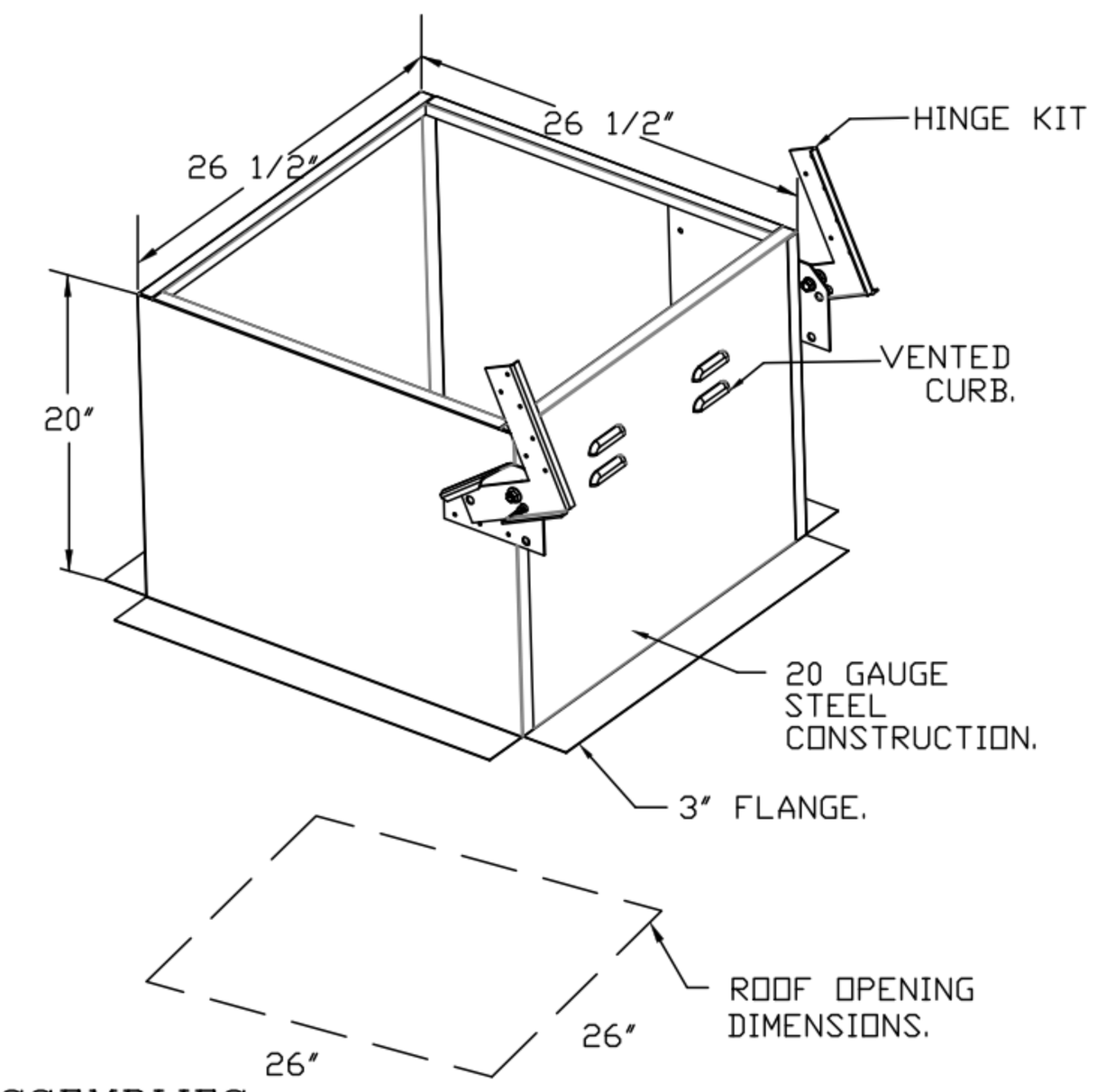
FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
1	KEF-1	1	DU180HFA	CAPTIVEAIRE	1200	1.500	1146	ODP,PREMIUM	1.000	0.7900	3	208	3.8	277 FPM	152	13.5

FAN OPTIONS

FAN UNIT NO	TAG	QTY	DESCRIPTION
1	KEF-1	1	GREASE BOX
		1	FAN BASE CERAMIC SEAL - DU/DR180HFA - INSTALLED AT PLANT - FOR GREASE DUCTS
		1	2 YEAR PARTS WARRANTY

(S) GREASE DUCT & CHIMNEY SPECIFICATIONS:
PROVIDE GREASE DUCT EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW" ROUND 20 GAUGE 430 STAINLESS STEEL DUCTWORK. MODEL "DW" IS LISTED TO UL-1978 AND IS INSTALLED USING "V" CLAMP LOCKING CONNECTIONS SEALED WITH 3M FIRE BARRIER 2000 PLUS. MODEL "DW" DOES NOT REQUIRE WELDING PROVIDING IT HAS BEEN INSTALLED PER THE MANUFACTURES INSTALLATION GUIDE.
PROVIDE RATED ACCESS DOORS AT EVERY CHANGE IN DIRECTION AND EVERY 12' ON CENTER. PER MANUFACTURES LISTING MODEL "DW" HORIZONTAL RUNS LESS THAN 75 FT. CAN BE SLOPED 1/16" PER 12", HORIZONTAL RUNS MORE THAN 75 FT. CAN BE SLOPED 3/16" PER 12". DUCT SHOULD BE SLOPED AS MUCH AS POSSIBLE TO REDUCE THE CHANCE OF GREASE ACCUMULATION IN HORIZONTAL RUNS.

IF THE DUCT OR CHIMNEY IS WITHIN 18 INCHES OF COMBUSTIBLE MATERIAL, PROVIDE UL-2221 OR UL-103 HT LISTED DOUBLE WALL GREASE DUCT OR DOUBLE WALL CHIMNEY EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW- 2R, 2R TYPE HT, 3R, OR 3Z" ROUND 20 GAUGE 430 STAINLESS INNER DUCT INSULATED WITH A 24 GAUGE 430 STAINLESS OUTER SHELL.

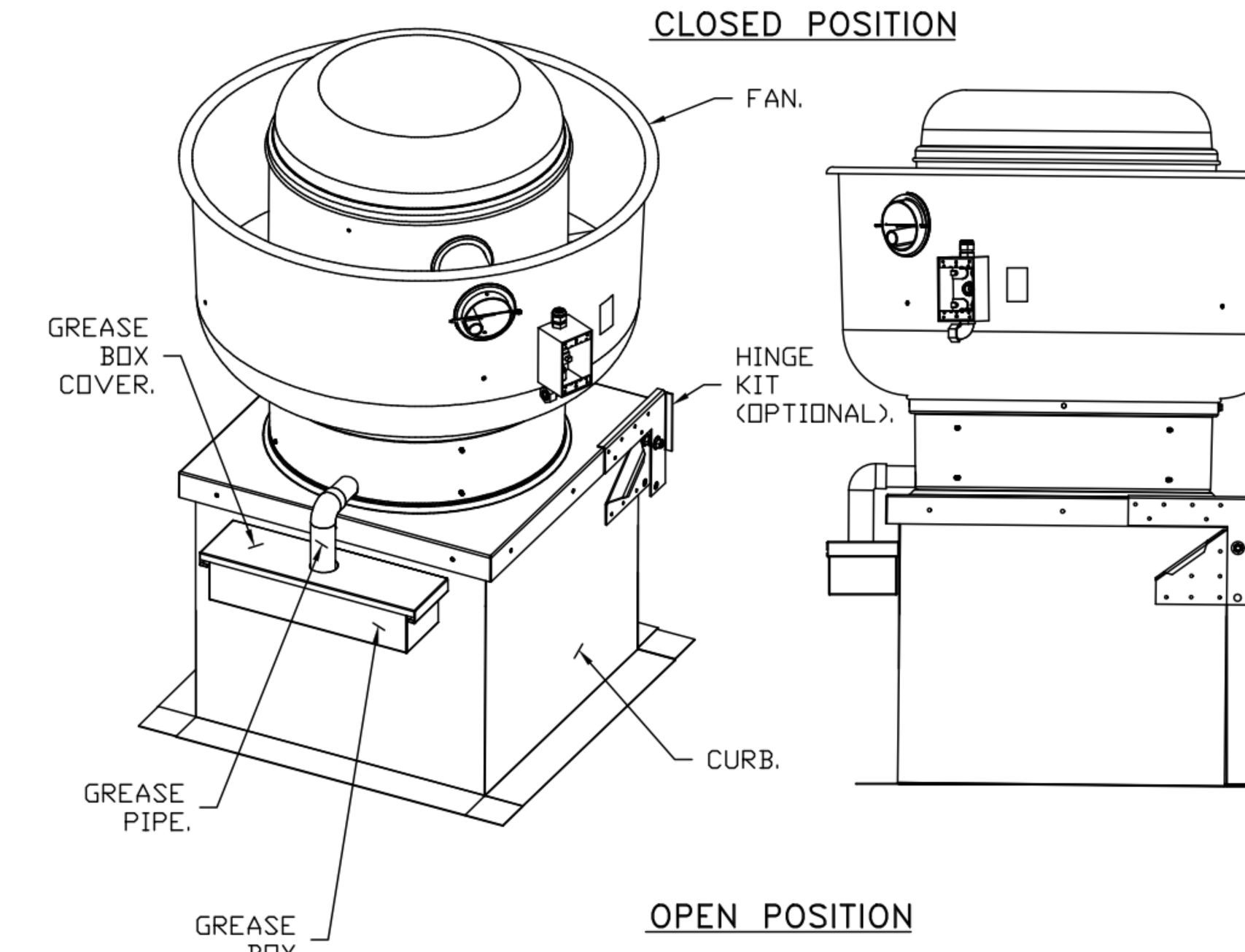


CURB ASSEMBLIES

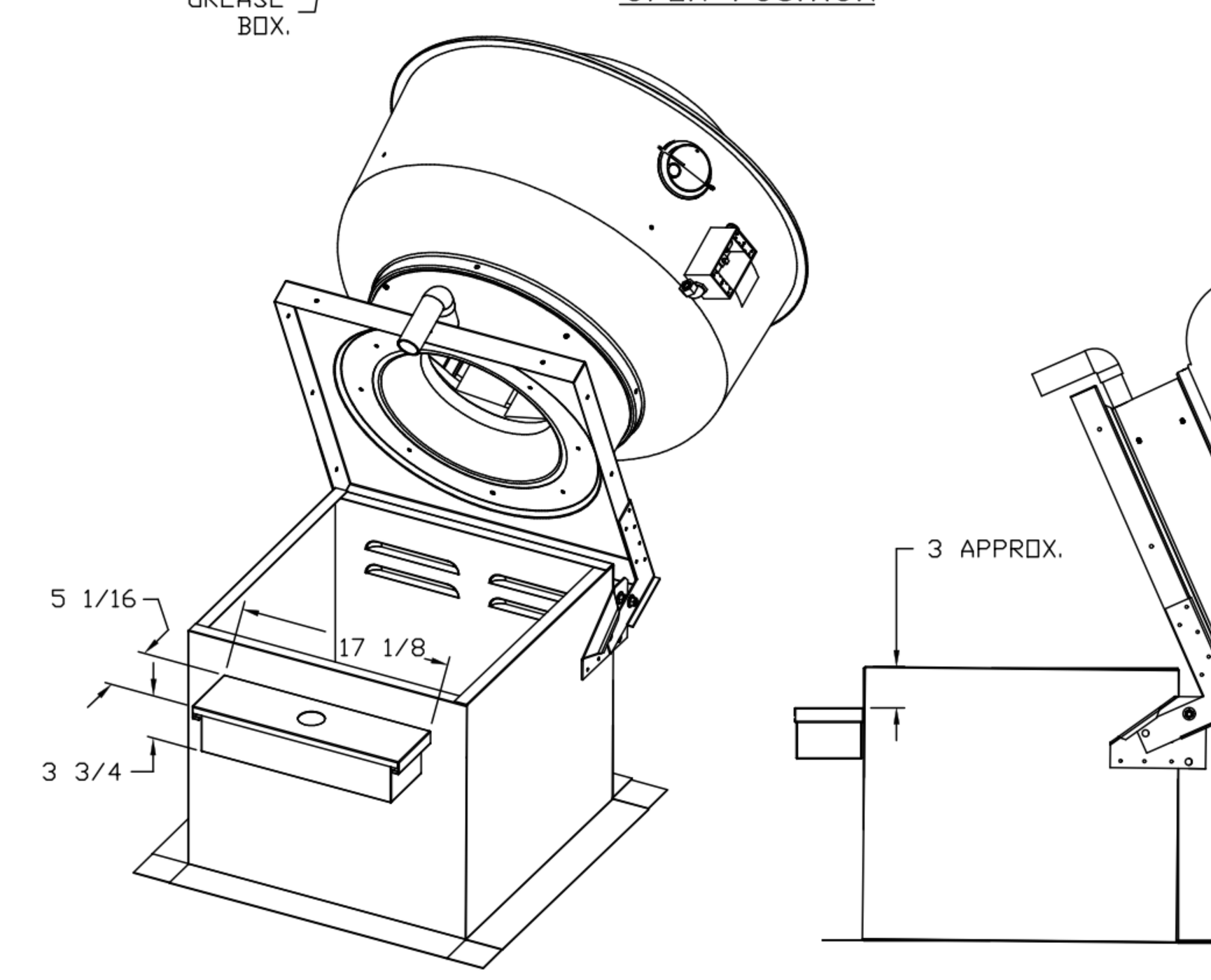
NO	ON FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	KEF-1	43 LBS	CURB	26.500"W X 26.500"L X 20.000"H VENTED HINGED.

GREASE BOX INSTALLATION

CLOSED POSITION



OPEN POSITION



PARTS INCLUDED
GREASE BOX.
GREASE BOX COVER.
GREASE PIPE.

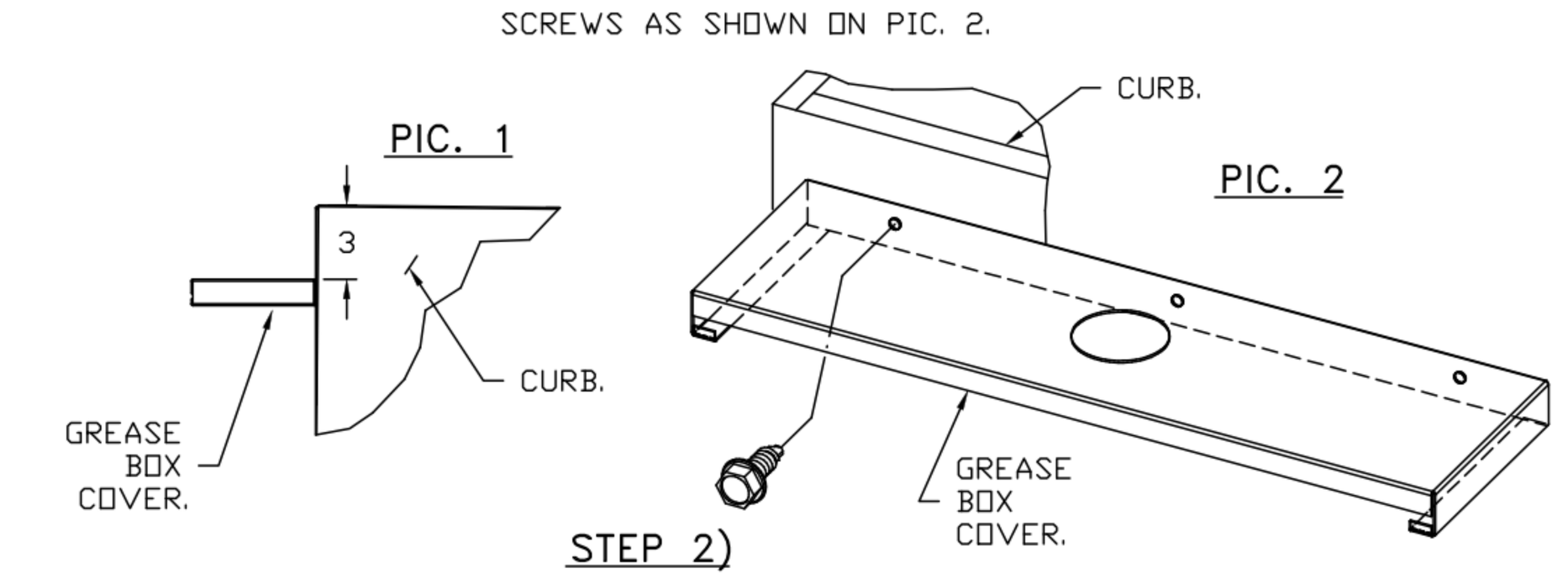
SHEET METAL SCREWS
3 - LONG (3/4" LG.).

REV.#2 08/19/02

GREASE BOX FIELD INSTALLATION

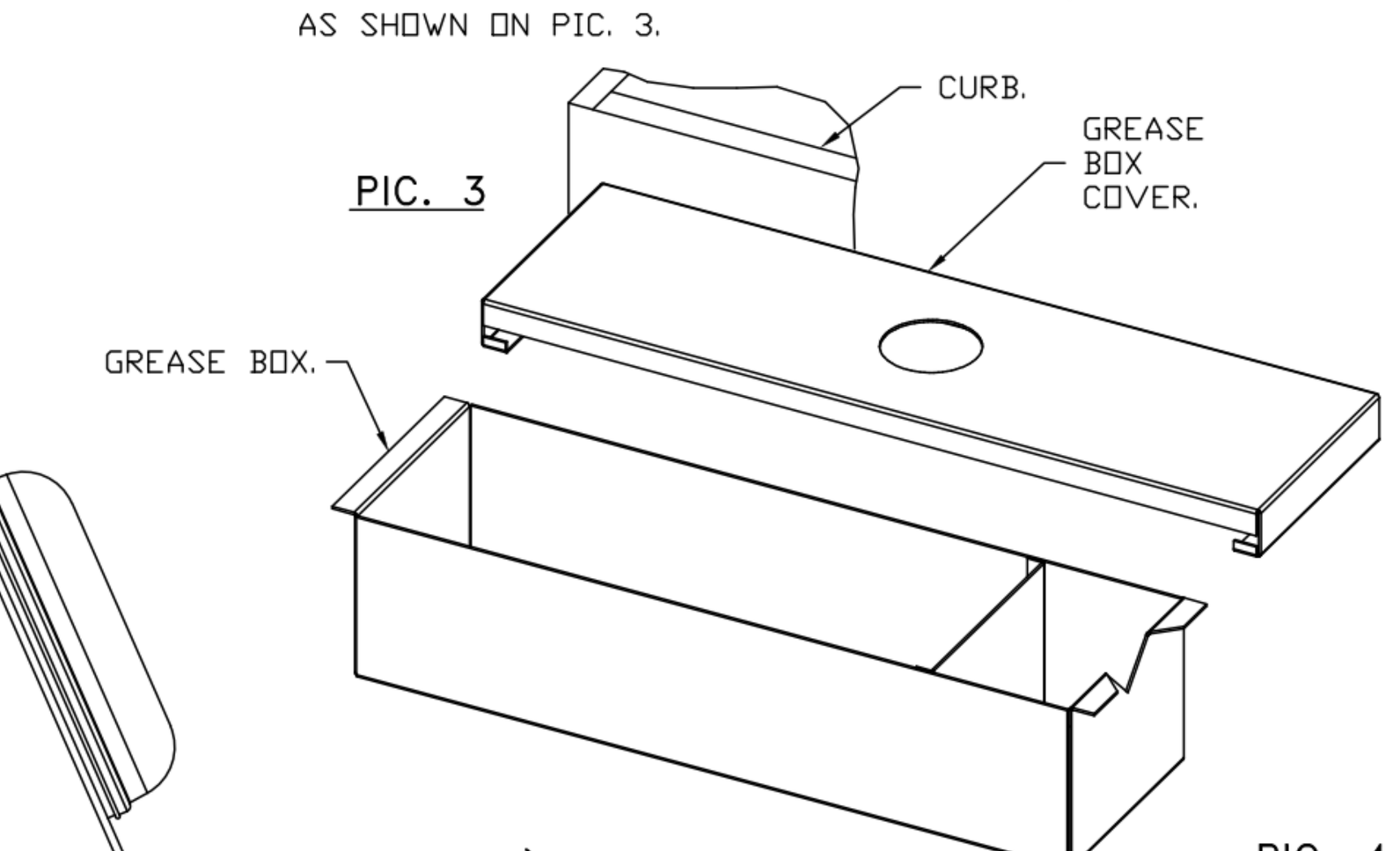
STEP 1)
ATTACH GREASE BOX COVER TO THE CURB,
HOLD 3" DIMENSION AS SHOWN ON PIC. 1.
SCREW GREASE BOX COVER TO CURB USING (3) LONG (3/4" LG.) SCREWS AS SHOWN ON PIC. 2.

PIC. 1 / PIC. 2



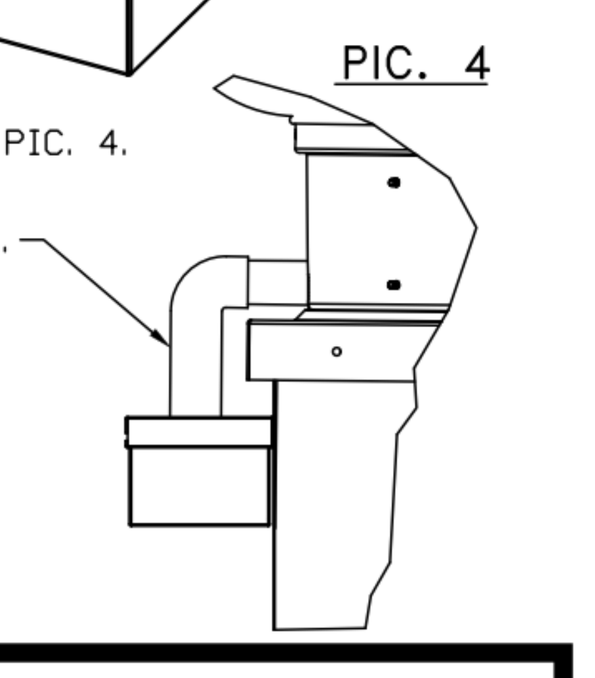
STEP 2)
ATTACH GREASE BOX TO GREASE BOX COVER, SLIDE AND DROP. AS SHOWN ON PIC. 3.

PIC. 3



STEP 3)
INSTALL GREASE PIPE AS SHOWN ON PIC. 4.

PIC. 4



NOTE:
BASIS OF DESIGN IS BY CAPTIVEAIRE AND IS FOR REFERENCE ONLY. MECHANICAL CONTRACTOR TO INCLUDE PURCHASE AND INSTALLATION IN PRICING. VERIFY AND COORDINATE WITH ACTUAL EQUIPMENT PROVIDED.

2 / M-604 MECHANICAL - KITCHEN EXHAUST FAN DETAILS
NOT TO SCALE

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 043801 TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR, BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: WTB
DRAWN BY: WTB

SHEET TITLE:
MECHANICAL-KITCHEN HOOD AND EXHAUST FAN SCHEDULES & DETAILS

PROJ. NO. 024370.00

M-604

ELECTRICAL PACKAGE – JOB#8439150

NO	TAG	PACKAGE #	LOCATION	SWITCHES		OPTIION	FANS CONTROLLED					
				LOCATION	QUANTITY		FAN TAG	TYPE	Φ	HP	VOLT	FLA
1	CONTROLS-1	DCV-1011	UTILITY CABINET RIGHT	UTILITY CABINET RIGHT	1 LIGHT	SMART CONTROLS DCV	KEF-1	EXHAUST	3	1.000	208	3.8
				HOOD # 1	1 FAN							

JOB NO 8439150 | MODEL NUMBER DCV-1011 | JOB NAME Brunswick County HHS | DRAWN BY | DATE 1/12/2026 | SCHEMATIC TYPE INSTALL | DWG NO ECP #1-1

DESCRIPTION OF OPERATION:
Hood Control Ventilation, w/ control for 1 Exhaust Fan, Exhaust fan will run in Fire Lights out in Fire. Fans modulate based on temperature setpoint, ALARM SIGNAL REQUIRED FOR USE WITH VFD. Room temperature sensor shipped loose for field installation.Verify distance between VFD and Rotary; additional coast could apply if distance exceeds 50 feet.

BREAKER PANEL TO PRIMARY CONTROL PANEL
Responsibility: Electrician

BREAKER SIZE SHOWN IS THE MAXIMUM ALLOWED

PRIMARY CONTROL PANEL

BREAKER 1PH 120 V 15 A — CONTROL POWER (IF NOT WIRED TO GFCI OR SHUNT TRIP BREAKER) (IS NEED LOAD BREAKER SHARED W/ CONTROL POWER SWITCH #1) — H1 & N1 — 1PH 120V

BREAKER 3PH 208 V MCA- 4.8 A MOCP- 15 A — LINE — KEF-1 — WIRE TO VFD QUICK CONNECTOR — SM-1

CONTROL PANEL TO FANS
Responsibility: Electrician

PRIMARY PANEL — FANS

Load Wiring SM-1 WIRE TO VFD QUICK CONNECTOR — L1 L2 L3 GRND — L1/L2/L3 — FAN 01 — KEF-1 — WIRE TO DISCONNECT — FLA 3.8 HP 1.000 VOLTS 208 — MUST HAVE ITS OWN CONDUIT DO NOT SHARE CONDUIT

CONTROL PANEL TO ACCESSORY ITEMS
Responsibility: Electrician

CONTROL PANEL — COMPONENT

CONTROL PANEL TO SWITCHES — ALL SWITCHES FACTORY WIRED CAT-5 CONNECTION — HOOD LIGHTS 1

CONTROL PANEL TO HOOD LIGHTS 1400 V WAX — BLACK WHITE GREEN — WIRE TO J-BOX ON TOP OF HOOD

CONTROL PANEL TO WORLD WIDE WEB — CAT-5 ETHERNET CONNECTION — ROUTER — WIRE DIRECTLY TO COMMUNICATION MODULE. NET REQUIRES IS DHCP. ID UDP PORT 1444 & 1445 OPEN FOR OUTBOUND TRAFFIC ONLY.

CONTROL PANEL TO ROOM TEMP SENSOR — T1(C) T1(C) — VCM-X'S CONTROL BOARD INSTALL SENSOR IN ROOM AWAY FROM HEAT SOURCES. DO NOT INSTALL SENSOR ON THE CEILING GRID. SEE MANUAL. — ROOM TEMP GROUPS

CONTROL PANEL TO CAPTURE VOLUME SENSOR — T2(C) T2(C) — FACTORY WIRED TEMPERATURE SENSOR MOUNTED IN HOOD CAPTURE VOLUME. — HOST CAPTURE 1

CONTROL PANEL TO GAS VALVE 120V ONLY — GAS1(C) GAS1(C) — HOT TO GAS VALVE — NEUTRAL — ONLY ENERGIZED THROUGH LCD HMI WHEN FIRE SYSTEM ARMED — GAS SOLENOID

THE FOLLOWING CONNECTIONS MUST OR MAY NOT BE REQUIRED DEPENDING ON SITE SPECIFICATIONS

CONTROL PANEL SIGNAL FOR EXTERNAL SHUNT TRIP — ST1(C) ST1(C) — HOT TO SHNT COIL — NEUTRAL FROM SHNT COIL — ST ITEM IS ENERGIZED IN FIRE CONDITION. — SHUNT COIL

CONTROL PANEL SIGNAL FOR EXTERNAL CONTACTOR COIL — K1(C) K1(C) — HOT TO CONTACTOR COIL — NEUTRAL TO CONTACTOR COIL — K1 TERMINAL IS DE-ENERGIZED IN FIRE CONDITION. — CONTACTOR COIL

CONTROL PANEL DRY CONTACTS ON/OFF WITH SUPPLY FAN GROUP 1 — SF1(NO) SF1(C) — COMMON — NORMALLY OPEN — SF1 CONTACTS WILL MAKE WHEN SUPPLY FAN IS ON. WHEN SUPPLY FAN IS ON. — COMMON — NORMALLY OPEN

0-10V SPEED OUTPUT — SF1(+) SF1(-) — 0-10V TO ECPMO TERMINALS SEE ECPMO OWNERS MANUAL — TO BMS

(TOTAL#) VFD ANALOG 0-10V OUTPUT — AO1(+) AO1(-) — 0-10V VFD SPEED PROPORTIONAL TO FREQUENCY. SEE VFD OWNERS MANUAL. — TO BMS

(EACH VFD) CONTROL PANEL TO EXTERNAL SWITCH — SW1(C) SW1(NO) — SIGNAL SWITCH THROUGH BMS WILL ACTIVATE CONEC FANS AND LIGHTS — BMS SWITCH

CONTROL PANEL TO GAS VALVE 24V DC ONLY — GAS1(+) GAS1(-) — POSITIVE TO GAS VALVE — NEGATIVE — ONLY ENERGIZED THROUGH LCD HMI WHEN FIRE SYSTEM ARMED. MAY BE REQUIRED IF USING 120V GAS VALVES — GAS SOLENOID

CONTROL PANEL TO FIRE SYSTEM
Responsibility: ALARM CONTRACTOR

CONTROL PANEL — COMPONENT

CONTROL PANEL SIGNAL FOR BUILDING FIRE ALARM PANEL — PS1 — DRY CONTACT TO TRIP CIRCUIT IN FIRE ALARM PANEL — BUILDING ALARM PANEL FIRE INPUT

CONTROL PANEL SIGNAL FOR BUILDING TROUBLE ALARM — TBC TBC — TROUBLE RELAY CONTACTS WILL CONNECT TO TBL IN TROUBLE CONDITION — BUILDING ALARM PANEL

CONTROL PANEL TO FIRE SYSTEM
Responsibility: CERTIFIED INSTALLER

CONTROL PANEL — COMPONENT

CONTROL PANEL TO DUCT MOUNTED FIRE DETECTION STAT(S) — FIRE STAT SUPERVISED LOOP May be hard factory and field wired. Use Honeywell 1 Amp Relay. Multiple fire sensors possible. HIGH TEMP WIRE (842 F). Pls SUPCON-ul7 required — FS-01 FS-02 (Fire Stat) — HIGH TEMP WIRE (842 F). Pls SUPCON-ul7 required Supervised Loop wiring in conduit with a hood. All other wiring shall be in EMT. Broken or shorted wiring shall cause a trouble. Broken or shorted wiring on the SIGNAL. Broken or shorted wiring on the SIGNAL.

CONTROL PANEL TO FIRE SYSTEM PULL STATION — MANUAL ACTUATION LOOP / REMOTE FIRE SYSTEM LOOP — PULL STATION — MS-01 (Micro Sw) — AUX-01 (Auxiliary Switch) — Multiple manual actuation possible. A Plug jumper with wires from pins 1 & 4 plug into the CORE Control Panel mounted on end of hood is no manual actuation device and no microswitch. — RESET/ Manual Actuation Device

CONTROL PANEL TO MASTER FS BOARD. — CAT-5 CONNECTION — CORE PCB — ADDITIONAL DEVICES MAY BE INLINE — PLACE END OF LINE PLUG IN EMPTY RJ45 IN EMPTY JACK PN EOL0004 IF NO OTHER COMPONENT IN SERIES — EOL0004 (LAS)

JOB NAME Brunswick County HHS — DESCRIPTION OF OPERATION: Hood Control Ventilation, w/ control for 1 Exhaust Fan, Exhaust fan will run in Fire. Fans modulate based on temperature setpoint, ALARM SIGNAL REQUIRED FOR USE WITH VFD. Room temperature sensor shipped loose for field installation.Verify distance between VFD and Rotary; additional coast could apply if distance exceeds 50 feet. — DRAWN BY — DATE 1/12/2026 — ENG NO ECP #1-3

TANK PROTECTION ELECTRICAL DETAIL

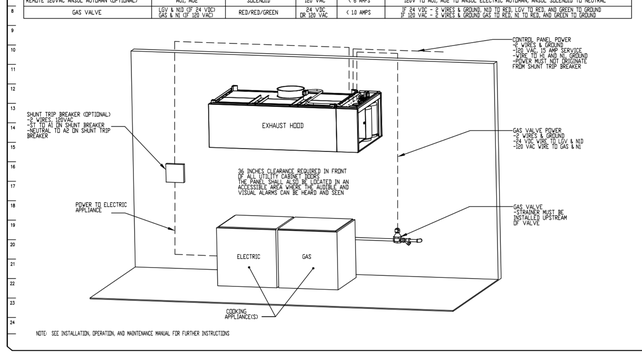
02/10/2021 Rev. 2

FS-1: MASTER

ELECTRICIAN
1. VCM, MAIN CONTROL PANEL PER INCLUDES SCHEMATIC
2. CONTRACTOR TO PROVIDE SCHEMATIC
3. WIRE ALL FANS PER INCLUDED SCHEMATIC
4. WIRE DUCT SMOKE DETECTORS
5. WIRE GAS VALVE KILL SWITCH IF EQUIPPED (OPTIONAL)

ELECTRICAL CONTRACTOR REQUIREMENT

ITEM	CONNECTION IN PANEL	CONNECTION IN DEVICE	VOLTAGE	AMPERAGE	COMMENTS
SHUNT TRIP BREAKER (OPTIONAL)	ST & N1	BREAKER COIL AND NEUTRAL	120 VAC	< 4 AMPS	ST TO #1 ON SHUNT BREAKER COIL, AND NEUTRAL TO #2 ON SHUNT TRIP BREAKER COIL
CONTROL PANEL POWER	H1 & N1 + GROUND	CIRCUIT BREAKER	120 VAC	15 AMPS	CONTROL PANEL POWER MUST NOT BE RUN THROUGH SHUNT TRIP BREAKER
UDS APPLIANCE KILL SWITCH (OPTIONAL)	KTS & N1	KTS & N1	120 VAC	< 4 AMPS	KILL SWITCH TERMINALS MUST BE IN SERIES WITH OTHER KILL SWITCHES
REMOTE 120VAC ANSUL AUTOMAN (OPTIONAL)	AUL AUX	SOLENOID	120 VAC	< 6 AMPS	120V TO AUL AUX TO ANSUL ELECTRIC AUTOMAN, ANSUL SOLENOID TO NEUTRAL
GAS VALVE	120 & NO1-2P (24 VDC) GAS & N1-1P (120 VAC)	RED/RED/GREEN	24 VDC OR 120 VAC	< 10 AMPS	1F 24 VDC + 2 WIRES & GROUND TO RED 1C 120 VAC + 2 WIRES & GROUND TO RED & NEUTRAL 2F 24 VDC + 2 WIRES & GROUND TO RED & WHITE AND GREEN TO GROUND 2F 120 VAC + 2 WIRES & GROUND TO RED & NEUTRAL AND GREEN TO GROUND



NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS

JOB NO 8439150 | MODEL NUMBER DCV-1011 | JOB NAME Brunswick County HHS | DRAWN BY | DATE 1/12/2026 | SCHEMATIC TYPE INSTALL | DWG NO ECP #1-2

DESCRIPTION OF OPERATION:
Hood Control Ventilation, w/ control for 1 Exhaust Fan, Exhaust fan will run in Fire. Fans modulate based on temperature setpoint, ALARM SIGNAL REQUIRED FOR USE WITH VFD. Room temperature sensor shipped loose for field installation.Verify distance between VFD and Rotary; additional coast could apply if distance exceeds 50 feet.

INTERLOCK NETWORK CONTROL PANEL TO MASTER FS PANEL — SHIELDED TWISTED PAIR — BLACK — WHITE — SHIELD — MASTER CORE — RS-485 — WIRE TO LIVE TERMINALS OF EACH CORE PANEL THAT MUST ACTIVATE TOGETHER. SET MASTER & SLAVE DIP SWITCHES PER FIRE SYSTEM MANUAL.

CONTROL PANEL TO FIRE SYSTEM
Responsibility: ALARM CONTRACTOR

CONTROL PANEL — COMPONENT

CONTROL PANEL SIGNAL FOR BUILDING FIRE ALARM PANEL — PS1 — DRY CONTACT TO TRIP CIRCUIT IN FIRE ALARM PANEL — BUILDING ALARM PANEL FIRE INPUT

CONTROL PANEL SIGNAL FOR BUILDING TROUBLE ALARM — TBC TBC — TROUBLE RELAY CONTACTS WILL CONNECT TO TBL IN TROUBLE CONDITION — BUILDING ALARM PANEL

CONTROL PANEL TO FIRE SYSTEM
Responsibility: CERTIFIED INSTALLER

CONTROL PANEL — COMPONENT

CONTROL PANEL TO DUCT MOUNTED FIRE DETECTION STAT(S) — FIRE STAT SUPERVISED LOOP May be hard factory and field wired. Use Honeywell 1 Amp Relay. Multiple fire sensors possible. HIGH TEMP WIRE (842 F). Pls SUPCON-ul7 required Supervised Loop wiring in conduit with a hood. All other wiring shall be in EMT. Broken or shorted wiring shall cause a trouble. Broken or shorted wiring on the SIGNAL. Broken or shorted wiring on the SIGNAL. — FIRE STAT — FS-01 FS-02 (Fire Stat)

CONTROL PANEL TO FIRE SYSTEM PULL STATION — MANUAL ACTUATION LOOP / REMOTE FIRE SYSTEM LOOP — PULL STATION — MS-01 (Micro Sw) — AUX-01 (Auxiliary Switch) — Multiple manual actuation possible. A Plug jumper with wires from pins 1 & 4 plug into the CORE Control Panel mounted on end of hood is no manual actuation device and no microswitch. — RESET/ Manual Actuation Device

CONTROL PANEL TO MASTER FS BOARD. — CAT-5 CONNECTION — CORE PCB — ADDITIONAL DEVICES MAY BE INLINE — PLACE END OF LINE PLUG IN EMPTY RJ45 IN EMPTY JACK PN EOL0004 IF NO OTHER COMPONENT IN SERIES — EOL0004 (LAS)

JOB NAME Brunswick County HHS — DESCRIPTION OF OPERATION: Hood Control Ventilation, w/ control for 1 Exhaust Fan, Exhaust fan will run in Fire. Fans modulate based on temperature setpoint, ALARM SIGNAL REQUIRED FOR USE WITH VFD. Room temperature sensor shipped loose for field installation.Verify distance between VFD and Rotary; additional coast could apply if distance exceeds 50 feet. — DRAWN BY — DATE 1/12/2026 — ENG NO ECP #1-4

TANK PROTECTION LOW-VOLTAGE DETAIL

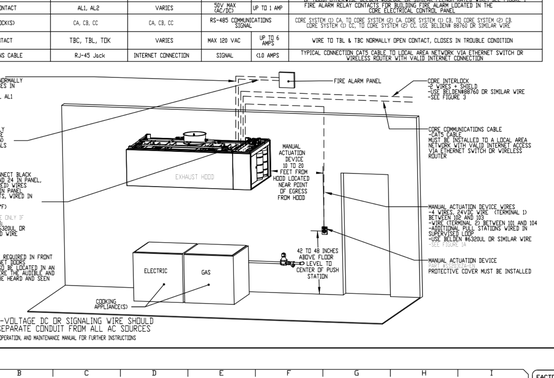
10/01/2021 Rev. 3

FS-1: MASTER

ALARM CONTRACTOR:
1. VCM, MANUAL ACTUATION DEVICE(S), REMOTE FIRESTAT(S), CORE INTERLOCK(S), FIRE SENSOR(S) AND FIRE ALARM CONTACTS
2. COMPLETE FINAL HOOKUP TO SYSTEM
3. VERIFY FINAL FIRE SYSTEM TEST
REMOTE FIRESTAT(S) MAYBE BE REQUIRED DEPENDING ON THE DUCT LAYOUT AND HOOD TEMPERATURE RATING. REFERENCE MANUAL FOR LOCATION AND GUIDELINES.

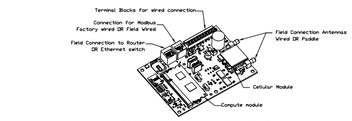
ALARM CONTRACTOR REQUIREMENT

ITEM	CONNECTION IN PANEL	CONNECTION IN DEVICE	VOLTAGE	AMPERAGE	COMMENTS
MANUAL ACTUATION DEVICE(S)	101 AND 104 102 AND 103	1 & 2	24 VDC	< 10 AMPS	WIRE MANUAL ACTUATION DEVICE TERMINAL 1 BETWEEN CORE PANEL TERMINALS 102 AND 103 WIRE MANUAL ACTUATION DEVICE TERMINAL 2 BETWEEN CORE PANEL TERMINALS 101 AND 104 JUMPER 101 TO 104 AND 102 TO 103 IF NO MANUAL ACTUATION DEVICE IS INSTALLED
MANUAL ACTUATION DEVICE COVER	N/A	N/A	N/A	N/A	WIRE MANUAL ACTUATION DEVICE COVER SWITCH BETWEEN TERMINALS 3 AND 4 IF NO MANUAL ACTUATION DEVICE IS INSTALLED
REMOTE FIRESTAT SENSOR(S)	201 AND 04 202 AND 03	BLACK AND WHITE	24 VDC	< 10 AMPS	WIRE FIRE SENSOR BLACK WIRE BETWEEN MAIN CORE PANEL TERMINALS 201 AND 04 WIRE FIRE SENSOR BLACK WIRE BETWEEN HOOD CORE PANEL TERMINALS 202 AND 03 HIGH TEMP WIRE (842 F). Pls SUPCON-ul7 required FIRE STAT SUPERVISED LOOP May be hard factory and field wired. Use Honeywell 1 Amp Relay. Multiple fire sensors possible. SEE DRAWING SHEET 1
FIRE ALARM CONTACT	ALI, AL2	VARIES	DRY MAX 24V/.5A	UP TO 1 AMP	FIRE ALARM RELAY CONTACTS TO BE WIRED TO FIRE ALARM LOCATED IN THE MAIN ELECTRICAL CONTROL PANEL.
CORE INTERLOCK(S)	CA, CB, CC	CA, CB, CC	RS-485 COMMUNICATIONS	SIGNAL	CORE SYSTEM (1) CA, TB, TC CORE SYSTEM (2) CA, CB CORE SYSTEM (3) CB, TB, TC CORE SYSTEM (4) CA, CB, TB, TC CORE SYSTEM (5) CA, CB, TB, TC CORE SYSTEM (6) CB, TB, TC SEE DRAWING SHEET 1
TROUBLE CONTACT	TBC, TBL, TDK	VARIES	MAX 120 VAC	UP TO 6 AMPS	WIRE TO TBL & TBC NORMALLY OPEN CONTACT, CLOSES IN TROUBLE CONDITION
CORE COMMUNICATIONS CABLE	RJ-45 Jack	INTERNET CONNECTION	SIGNAL	<3.0 AMPS	TYPICAL CONNECTION CAT5 CABLE TO LOCAL AREA NETWORK VIA ETHERNET SWITCH OR WIRELESS ROUTER WITH VALID INTERNET CONNECTION



ATTENTION: LOW-VOLTAGE DC OR SIGNALING WIRE SHOULD BE ROUTED IN SEPARATE CONDUIT FROM ALL AC SOURCES

NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS



CASlink Monitor and Control

- *Hood control panel to support communications to cloud-based Building Management System.*
- *Hood Control Panel to allow cloud-based Building Management System to monitor real time parameters outlined as MONITOR in the points list.*
- *Hood Control Panel to allow cloud-based Building Management System to control parameters outlined as CONTROL in the points list.*
- *Hood Control Panel to allow cloud-based Building Management System to implement SYSTEM ECONOMIZER control strategies for fully integrated Building Management.*

MONITORING AND CONTROL POINTS LIST

DCV Packages	Function
Room Temperature	MONITOR
Duct Temperature(s)	MONITOR
MUA Discharge Temperature	MONITOR
Kitchen MTU Discharge Temperature	MONITOR
Fan Speed	MONITOR
Fan Amperage	MONITOR
Fan Power	MONITOR
VFD Faults	MONITOR
Controller Faults	MONITOR
Fan Faults	MONITOR
Fan Status	MONITOR
PCU Faults	MONITOR
PCU Filter Clog Percentages	MONITOR
Fire Condition	MONITOR
CORE Fire System	MONITOR
Building Pressures	MONITOR
Prep Time Button	MONITOR & CONTROL
Fans Button	MONITOR & CONTROL
Lights Button	MONITOR & CONTROL
Wash Button	MONITOR & CONTROL

DC Packages	Function
Room Temperature(s)	MONITOR
Duct Temperature(s)	MONITOR
MUA Discharge Temperature	MONITOR
Kitchen MTU Discharge Temperature	MONITOR
Controller Faults	MONITOR
Fan Faults	MONITOR
Fan Status	MONITOR
PCU Faults	MONITOR
PCU Filter Clog Percentages	MONITOR
Fire Condition	MONITOR
CORE Fire System	MONITOR
Building Pressures	MONITOR
Fans Button(s)	MONITOR & CONTROL
Lights Button(s)	MONITOR & CONTROL
Wash Button	MONITOR & CONTROL

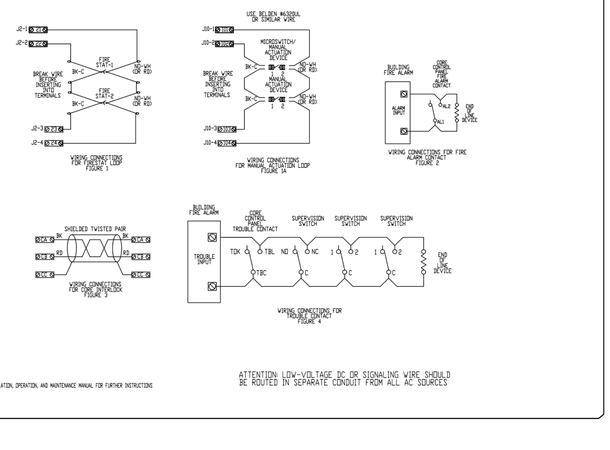
JOB NO 8439150 | MODEL NUMBER DCV-1011 | JOB NAME Brunswick County HHS | DRAWN BY | DATE 1/12/2026 | SCHEMATIC TYPE INSTALL | DWG NO ECP #1-5

DESCRIPTION OF OPERATION:
Fire System #1 THRU F3 = AS IFS1-D, Tyco-based Fire Protection System equipped with Electronic Detection utilizing CORE Board as a Listed Release Mechanism. Installed in Hood Utility Cabinet with integral hood prewire panel.

TANK PROTECTION LOW-VOLTAGE FIGURES

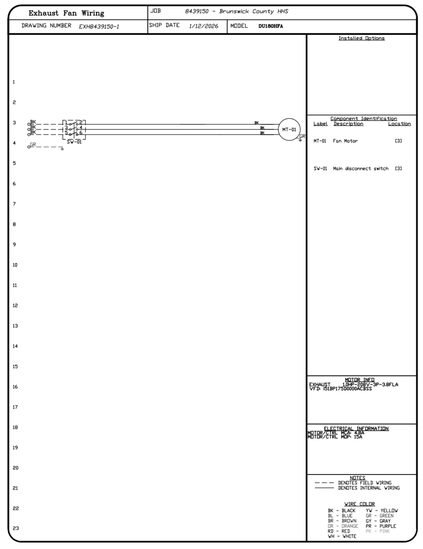
10/01/2023 Rev. 17

FS-1: MASTER



ATTENTION: LOW-VOLTAGE DC OR SIGNALING WIRE SHOULD BE ROUTED IN SEPARATE CONDUIT FROM ALL AC SOURCES

NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS



NOTE:

BASIS OF DESIGN IS BY CAPTIVEAIRE AND IS FOR REFERENCE ONLY. MECHANICAL CONTRACTOR TO INCLUDE PURCHASE AND INSTALLATION IN PRICING. VERIFY AND COORDINATE WITH ACTUAL EQUIPMENT PROVIDED.

JOB NO 8439150 | MODEL NUMBER DCV-1011 | JOB NAME Brunswick County HHS | DRAWN BY | DATE 1/12/2026 | SCHEMATIC TYPE INSTALL | DWG NO ECP #1-6

DESCRIPTION OF OPERATION:
Fire System #1 THRU F3 = AS IFS1-D, Tyco-based Fire Protection System equipped with Electronic Detection utilizing CORE Board as a Listed Release Mechanism. Installed in Hood Utility Cabinet with integral hood prewire panel.

MOTOR POWER CIRCUIT

NOTE: IF VFD HAS 1PH 240V INPUT, USE L1 & L3 ONLY. IF VFD HAS 1PH 120V INPUT, USE L1 & N ONLY.

3 PH 208 V OR 240 V — 14 AWG — SM-1 — L1 L2 L3 GRND — KEF-1 — VFD-015MP21B0000M0XXS — P3S00.00-7 P3S00.00-8 P3S00.00-9 P3S00.00-10 P3S00.00-11 P3S00.00-12 P3S00.00-13 P3S00.00-14 P3S00.00-15 P3S00.00-16 P3S00.00-17 P3S00.00-18 PW-2P25 P3S00.00-19

DRY CONTACTS (SHOWN DE-ENERGIZED)

14 AWG RA-2-1 — WHITE — RD-2P — 14 AWG RA-2-2 — BLACK — RD-2P

FACTORY WIRING SCHEMATIC CIRCUIT BOARDS ECPMO3

RELAYS	24 VAC/DC	RELAYS	24 VAC/DC
NC	1	NC	1
NO	2	NO	2
COM	3	COM	3

COMPONENT LIST

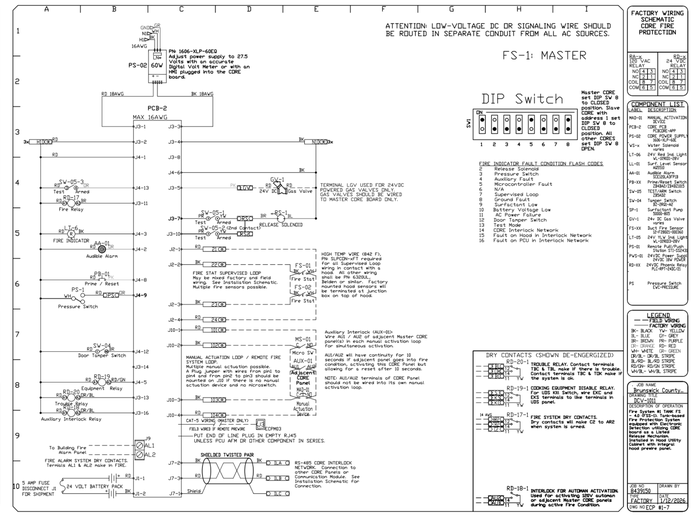
LABEL	DESCRIPTION
BT-X	Battery Backup Inverter
DL-X	Overload Protection
C-X	Contactor
PS-1	Power Sup. 24VDC 40W 60Hz
RA-x	120V Relay SPST IN4004M
RD-x	24VDC Light Relay DG1000
TS-x	Duct Thermostat KA25DP24-1CR

SCADA SCADA Module

LEGEND
FIELD WIRING
FACTORY WIRING
BK- BLACK YW- YELLOW
BL- BLUE GY- GRAY
BR- BROWN PR- PURPLE
RD- RED PK- PINK
WH- WHITE GR- GREEN
BL/BL- BLUE STRIPE
BK/WH- BLACK STRIPE
WH/BL- WHITE STRIPE

JOB NAME Brunswick County HHS — DESCRIPTION OF OPERATION: Hood Control Ventilation, w/ control for 1 Exhaust Fan, Exhaust fan will run in Fire. Fans modulate based on temperature setpoint, ALARM SIGNAL REQUIRED FOR USE WITH VFD. Room temperature sensor shipped loose for field installation.Verify distance between VFD and Rotary; additional coast could apply if distance exceeds 50 feet. — DRAWN BY — DATE 1/12/2026 — ENG NO ECP #1-6

SC-24 X 18 X 8.62 BOX



FACTORY WIRING SCHEMATIC CORE FIRE PROTECTION

RELAYS	24 VAC/DC	RELAYS	24 VAC/DC
NC	1	NC	1
NO	2	NO	2
COM	3	COM	3

COMPONENT LIST

LABEL	DESCRIPTION
MAN-01	MANUAL ACTIVATION DEVICE
PCB-2	CORE PCB
PS-02	CORE POWER SUPPLY 60V-5.7AMP
VS-x	Valve Solenoid
LI-06	Dry Red Ind Light w/ GRND Screw
LL-01	Low Level Sensor 120VAC
AA-01	Audible Alarm
PB-01	Pump/Reset Switch
FS-01	Fire Stat #1
TS-01	TEST/MAN Switch 120VAC
SV-04	Trigger Valve
SP-1	Sprinkler
SV-1	Surfactant Pump 120VAC
SV-1	24V DC Gas Valve w/wire
FS-XX	Duct Fire Sensor
PCB-3	Interlock Network PRV, SURFACTANT
PS-01	Remote Pull/Push Station 2P-DPDT
PV2-01	24VDC Pressure Valve 3/4"
RD-01	24VDC Relay SPDT 10A 120VAC Coil
PS	Pressure Switch 1/4"-MALE

LEGEND
FIELD WIRING
FACTORY WIRING
BK- BLACK YW- YELLOW
BL- BLUE GY- GRAY
BR- BROWN PR- PURPLE
RD- RED PK- PINK
WH- WHITE GR- GREEN
BK/BL- BLACK STRIPE
BK/WH- BLACK STRIPE
WH/BL- WHITE STRIPE

JOB NAME Brunswick County HHS — DESCRIPTION OF OPERATION: Fire System #1 THRU F3 = AS IFS1-D, Tyco-based Fire Protection System equipped with Electronic Detection utilizing CORE Board as a Listed Release Mechanism. Installed in Hood Utility Cabinet with integral hood prewire panel. — DRAWN BY — DATE 1/12/2026 — ENG NO ECP #1-7

1 M-605 **MECHANICAL-KITCHEN HOOD AND EXHAUST FAN ELECTRICAL DETAILS**

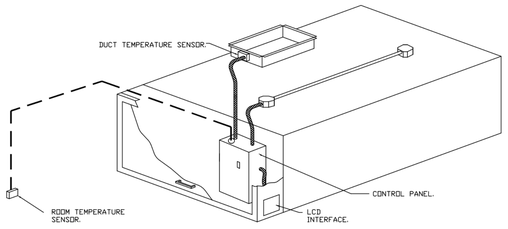
NOT TO SCALE

ALL DRAWINGS, SPECIFICATIONS AND DESIGNS THEREOF IN POSSESSION OF MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN P

ALL DRAWINGS, SPECIFICATIONS AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY IN THE SPECIFIC PROJECT AND SITE FOR WHICH THEY WERE PREPARED AND ARE NOT TO BE LOANED, COPIED OR REPRODUCED FOR OTHER PROJECTS OR ADDITIONS TO THIS PROJECT OR FOR COMPLETION OF THIS PROJECT BY OTHERS, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO MCMILLAN PAZDAN SMITH ARCHITECTURE. ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING COPYRIGHT, ARE RESERVED.
© 2026 MCMILLAN PAZDAN SMITH ARCHITECTURE
ALL RIGHTS RESERVED

DEMAND CONTROL VENTILATION HOOD CONTROL PANEL SPECIFICATIONS:

- CONTROLS SHALL BE LISTED BY ETL (UL 508A) AND SHALL COMPLY WITH DEMAND VENTILATION SYSTEM TURNDOWN REQUIREMENTS OUTLINED IN IECC 403.7.5 (2021).
- THE CONTROL ENCLOSURE SHALL BE NEMA 1 RATED AND LISTED FOR INSTALLATION INSIDE OF THE EXHAUST HOOD UTILITY CABINET. THE CONTROL ENCLOSURE MAY BE CONSTRUCTED OF STAINLESS STEEL OR PAINTED STEEL.
- TEMPERATURE PROBE(S) LOCATED IN THE EXHAUST DUCT RISER(S) SHALL BE CONSTRUCTED OF STAINLESS STEEL.
- A DIGITAL CONTROLLER SHALL BE PROVIDED TO ACTIVATE THE HOOD EXHAUST FANS DYNAMICALLY BASED ON A FIXED DIFFERENTIAL BETWEEN THE AMBIENT AND DUCT TEMPERATURES SENSORS. THIS FUNCTION SHALL MEET THE REQUIREMENTS OF IMC 507.1.1.
- A DIGITAL CONTROLLER SHALL PROVIDE ADJUSTABLE HYSTERESIS SETTINGS TO PREVENT CYCLING OF THE FANS AFTER THE COOKING APPLIANCES HAVE BEEN TURNED OFF AND/OR THE HEAT IN THE EXHAUST SYSTEM IS REDUCED.
- A DIGITAL CONTROLLER SHALL PROVIDE AN ADJUSTABLE MINIMUM FAN RUN-TIME SETTING TO PREVENT FAN CYCLING.
- VARIABLE FREQUENCY DRIVES (VFDS) SHALL BE PROVIDED FOR FANS AS REQUIRED. THE DIGITAL CONTROLLER SHALL MODULATE THE VFDS BETWEEN A MINIMUM SETPOINT AND A MAXIMUM SETPOINT ON DEMAND. THE DUCT TEMPERATURE SENSOR INPUT(S) TO THE DIGITAL CONTROLLER SHALL BE USED TO CALCULATE THE SPEED REFERENCE SIGNAL.
- THE VFD SPEED RANGE OF OPERATION SHALL BE FROM 0% TO 100% FOR THE SYSTEM, WITH THE ACTUAL MINIMUM SPEED SET AS REQUIRED TO MEET MINIMUM VENTILATION REQUIREMENTS.
- AN INTERNAL ALGORITHM TO THE DIGITAL CONTROLLER SHALL MODULATE SUPPLY FAN VFD SPEED PROPORTIONAL TO ALL EXHAUST FANS THAT ARE LOCATED IN THE SAME FAN GROUP AS THE SUPPLY FAN.
- THE SYSTEM SHALL OPERATE IN PREP MODE DURING LIGHT COOKING LOAD OR COOL DOWN MODE WHEN SUFFICIENT HEAT REMAINS UNDERNEATH THE HOOD SYSTEM AFTER COOKING OPERATIONS HAVE COMPLETED. OPERATION DURING EITHER OF THESE PERIODS WILL DISABLE THE SUPPLY FANS AND PROVIDE AN EXHAUST FAN SPEED THAT IS EQUAL TO THE MINIMUM VENTILATION REQUIREMENT.
- A DIGITAL CONTROLLER SHALL DISABLE THE SUPPLY FAN(S), ACTIVATE THE EXHAUST FAN(S), ACTIVATE THE APPLIANCE SHUNT TRIP, AND DISABLE AN ELECTRIC GAS VALVE AUTOMATICALLY WHEN FIRE CONDITION IS DETECTED ON A COVERED HOOD.
- A DIGITAL CONTROLLER SHALL ALLOW FOR EXTERNAL BMS FAN CONTROL VIA DRY CONTACT (EXTERNAL CONTROL SHALL NOT OVERRIDE FAN OPERATION LOGIC AS REQUIRED BY CODE).
- AN LCD INTERFACE SHALL BE PROVIDED WITH THE FOLLOWING FEATURES:
  A. ON/OFF PUSH BUTTON FAN & LIGHT SWITCH ACTIVATION.
  B. INTEGRATED GAS VALVE RESET FOR ELECTRONIC GAS VALVES (NO RESET RELAY REQUIRED).
  C. VFD FAULT DISPLAY WITH AUDIBLE & VISUAL ALARM NOTIFICATION.
  D. DUCT TEMPERATURE SENSOR FAILURE DETECTION WITH AUDIBLE & VISUAL ALARM NOTIFICATION.
  E. MIS-WIRED DUCT TEMPERATURE SENSOR DETECTION WITH AUDIBLE & VISUAL ALARM NOTIFICATION.
  F. A SINGLE LOW VOLTAGE CAT-5 RJ45 WIRING CONNECTION.
  G. AN ENERGY SAVINGS INDICATOR THAT UTILIZES MEASURED KWH FROM THE VFDS.



TYPICAL HOOD CONTROL PANEL INSTALLATION

SEQUENCE OF OPERATIONS:

THE HOOD CONTROL PANEL IS CAPABLE OF OPERATING IN ONE OR MORE OF THE FOLLOWING STATES AT ANY GIVEN TIME:

- AUTOMATIC: THE SYSTEM OPERATES BASED ON THE DIFFERENTIAL BETWEEN ROOM TEMPERATURE AND THE TEMPERATURE AT THE HOOD CAVITY OR EXHAUST DUCT COLLAR. FANS ACTIVATE AT A CONFIGURABLE TEMPERATURE DIFFERENTIAL THRESHOLD. DEPENDING ON THE JOB CONFIGURATION EACH FAN ZONE CAN BE CONFIGURED AS STATIC OR DYNAMIC. THESE TERMS REFER TO WHETHER A VARIABLE MOTOR (SUCH AS EC MOTORS OR VFD DRIVEN MOTORS) MODULATE WITH TEMPERATURE. IF THE PANEL IS EQUIPPED WITH VARIABLE SPEED FANS AND THE ZONE IS DEFINED AS "DYNAMIC", THESE WILL MODULATE WITHIN A USER-DEFINED RANGE BASED ON THE TEMPERATURE DIFFERENTIAL. PANELS EQUIPPED WITH VARIABLE SPEED FANS AND A FAN ZONE DEFINED AS "STATIC", FANS WILL RUN AT A SET SPEED CALCULATED FOR THE DRIVE. DEMAND CONTROL VENTILATION SYSTEMS ARE CAPABLE OF MODULATING EXHAUST AND MAKE UP AIR FAN SPEEDS PER THE REQUIREMENTS OUTLINED IN IECC 403.7.5 (2021).
- MANUAL: THE SYSTEM OPERATES BASED ON HUMAN INPUT FROM AN HMI.
- SCHEDULE: A WEEKLY SCHEDULE CAN BE SET TO RUN FANS FOR A SPECIFIED PERIOD THROUGHOUT THE DAY. THERE ARE THREE OCCUPIED TIMES PER DAY TO ALLOW FOR THE USER TO SET UP A TIME THAT IS SUITABLE TO THEIR NEEDS. ANY TIME THAT IS WITHIN THE DEFINED OCCUPIED TIME, THE SYSTEM WILL RUN AT MODULATION MODE AND FOLLOW THE FAN PROCEDURE ALGORITHM BASED ON TEMPERATURE DURING THIS TIME. DURING UNOCCUPIED TIME, THE SYSTEM WILL HAVE AN EXTRA OFFSET TO PREVENT UNINTENDED ACTIVATION OF THE SYSTEM DURING A TIME WHERE THE SYSTEM IS NOT BEING OCCUPIED.
- OTHER: THE SYSTEM OPERATES BASED ON THE INPUT FROM AN EXTERNAL SOURCE (DDC, BMS OR HARD-WIRED INTERLOCK).
- FIRE: UPON ACTIVATION OF THE HOOD FIRE SUPPRESSION SYSTEM, THE EXHAUST FAN WILL COME ON OR CONTINUE TO TO RUN, THE HOOD MAKEUP AIR WILL SHUTDOWN, AND A SIGNAL WILL BE SENT FOR ACTIVATING THE SHUNT TRIP BREAKER PROVIDED BY THE ELECTRICIAN. FUEL GAS WILL SHUT OFF VIA A MECHANICAL/ELECTRICAL GAS VALVE ACTUATED BY THE HOOD FIRE SUPPRESSION SYSTEM.

NOTE:

BASIS OF DESIGN IS BY CAPTIVEAIRE AND IS FOR REFERENCE ONLY. MECHANICAL CONTRACTOR TO INCLUDE PURCHASE AND INSTALLATION IN PRICING. VERIFY AND COORDINATE WITH ACTUAL EQUIPMENT PROVIDED.

1 M-606 **MECHANICAL - KITCHEN HOOD CONTROL SPECIFICATIONS**
NOT TO SCALE

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE:	02/06/2026
PHASE:	PERMIT SET

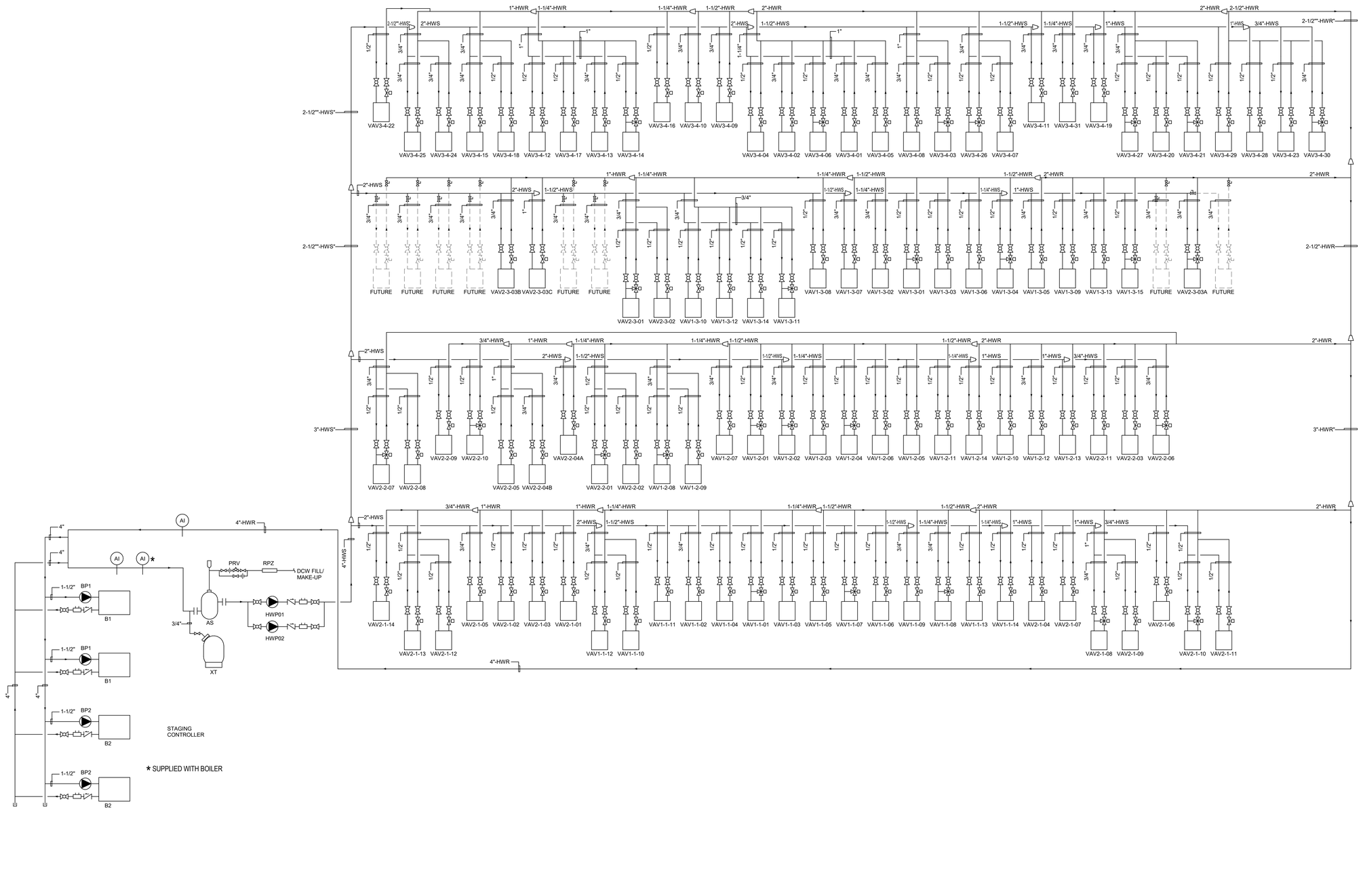
SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE:	TOG
DESIGNER:	WTB
DRAWN BY:	WTB

SHEET TITLE:
MECHANICAL-KITCHEN HOOD CONTROL PANEL SPECIFICATIONS
PROJ. NO. 024370.00

M-606



1 M-701 **Hot Water Flow Diagram**

NOT TO SCALE

mcmillan pazdan smith ARCHITECTURE

1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: WTB
DRAWN BY: WTB

SHEET TITLE:

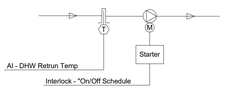
MECHANICAL- FLOW DIAGRAM

SHEET NO.

PROJ. NO. 024370.00

M-701

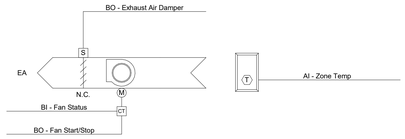
ALL DRAWINGS, DESCRIPTION AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY, DESTROYED ON THE COMPLETION OF THE PROJECT. THE VISUAL CONTRACTOR IN ACCEPTING OR UTILIZING THESE DRAWINGS AGREES THAT HE WILL CONFINE HIS CONSTRUCTION METHODS TO THOSE KNOWN TO BE SAFE AND LEGAL. ANNUNCIATION, OR USE OF THIS DRAWING, WITHOUT THE PERMISSION OF MCMILLAN PAZDAN SMITH ARCHITECTURE IS STRICTLY PROHIBITED.
ALL RIGHTS RESERVED



RECIRCULATING DOMESTIC HOT WATER PUMP

SERVICE HOT WATER HEATER WITH RECIRCULATION PUMP- RUN CONDITIONS:
START/STOP PUMP VIA LINE-VOLTAGE RELAY BASED ON USER-DEFINED "ON/OFF" SCHEDULE
- INITIATE ALARM IF RECIRCULATION WATER TEMPERATURE FALLS BELOW 100ºF (ADJ.).

1 M-801 RECIRCULATING DOMESTIC HOT WATER PUMP
NOT TO SCALE



EXHAUST FAN - COOLING (PV1)

RUN CONDITIONS - CONTINUOUS:
THE UNIT SHALL BE CONTINUOUSLY ENABLED TO MAINTAIN A ZONE TEMPERATURE COOLING SETPOINT OF 85°F (ADJ.).

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH ZONE TEMP: IF THE ZONE TEMPERATURE IS GREATER THAN THE COOLING SETPOINT BY A USER DEFINABLE AMOUNT (ADJ.).

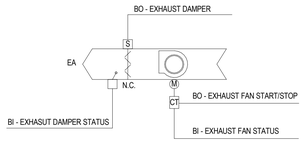
FAN:
THE FAN SHALL RUN ANYTIME THE ZONE TEMPERATURE RISES ABOVE COOLING SETPOINT, UNLESS SHUTDOWN ON SAFETIES.

EXHAUST AIR DAMPER:
THE EXHAUST AIR DAMPER SHALL OPEN ANYTIME THE UNIT RUNS AND SHALL CLOSE ANYTIME THE UNIT STOPS. THE EXHAUST AIR DAMPER SHALL CLOSE 30 SEC (ADJ.) AFTER THE FAN STOPS.

FAN STATUS:
THE CONTROLLER SHALL MONITOR THE FAN STATUS.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- FAN FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
- FAN IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.
- FAN RUNTIME EXCEEDED: FAN STATUS RUNTIME EXCEEDS A USER DEFINABLE LIMIT (ADJ.).

2 M-801 PV1 - EXHAUST FAN CONTROL AND DIAGRAM
NOT TO SCALE



EXHAUST FAN (PV2 & PV5)

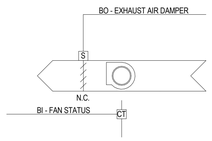
RUN CONDITIONS:
THE POWER VENTILATOR UNIT SHALL RUN CONTINUOUSLY.

FAN STATUS:
THE CONTROLLER SHALL MONITOR THE FAN STATUS.

EXHAUST DAMPER:
THE EXHAUST DAMPER SHALL OPEN ANYTIME THE POWER VENTILATOR RUNS AND SHALL CLOSE ANYTIME THE UNIT STOPS.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- FAN FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
- FAN IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.

3 M-801 PV2 & PV5 - EXHAUST FAN CONTROL AND DIAGRAM
NOT TO SCALE



EXHAUST FAN - ON/OFF (PV3 &PV4)

RUN CONDITIONS - SCHEDULED:
THE FAN SHALL RUN ACCORDING TO A USER DEFINABLE SCHEDULE.

FAN:
THE FAN SHALL HAVE A USER DEFINABLE (ADJ.) MINIMUM RUNTIME.

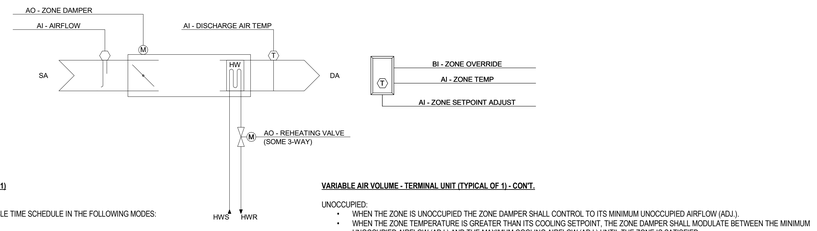
EXHAUST AIR DAMPER:
THE EXHAUST AIR DAMPER SHALL OPEN ANYTIME THE UNIT RUNS AND SHALL CLOSE ANYTIME THE UNIT STOPS. THE EXHAUST AIR DAMPER SHALL CLOSE 30 SEC (ADJ.) AFTER THE FAN STOPS.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- DAMPER FAILURE: COMMANDED OPEN, BUT THE STATUS IS CLOSED.
- DAMPER IN HAND: COMMANDED CLOSED, BUT THE STATUS IS OPEN.

FAN STATUS:
THE CONTROLLER SHALL MONITOR THE FAN STATUS.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- FAN FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
- FAN IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.
- FAN RUNTIME EXCEEDED: FAN STATUS RUNTIME EXCEEDS A USER DEFINABLE LIMIT (ADJ.).

4 M-801 PV3 & PV4 - EXHAUST FAN CONTROL AND DIAGRAM
NOT TO SCALE



VARIABLE AIR VOLUME - TERMINAL UNIT (TYPICAL OF 1)

RUN CONDITIONS - SCHEDULED:
THE UNIT SHALL RUN ACCORDING TO A USER DEFINABLE TIME SCHEDULE IN THE FOLLOWING MODES:
- OCCUPIED MODE: THE UNIT SHALL MAINTAIN
  - A 75°F (ADJ.) COOLING SETPOINT
  - A 70°F (ADJ.) HEATING SETPOINT.
- UNOCCUPIED MODE (NIGHT SETBACK): THE UNIT SHALL MAINTAIN
  - A 85°F (ADJ.) COOLING SETPOINT.
  - A 55°F (ADJ.) HEATING SETPOINT.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH ZONE TEMP: IF THE ZONE TEMPERATURE IS GREATER THAN THE COOLING SETPOINT BY A USER DEFINABLE AMOUNT (ADJ.).
- LOW ZONE TEMP: IF THE ZONE TEMPERATURE IS LESS THAN THE HEATING SETPOINT BY A USER DEFINABLE AMOUNT (ADJ.).

ZONE SETPOINT ADJUST:
THE OCCUPANT SHALL BE ABLE TO ADJUST THE ZONE TEMPERATURE HEATING AND COOLING SETPOINTS AT THE ZONE SENSOR.

ZONE OPTIMAL START:
THE UNIT SHALL USE AN OPTIMAL START ALGORITHM FOR MORNING START-UP. THIS ALGORITHM SHALL MINIMIZE THE UNOCCUPIED WARM-UP OR COOL-DOWN PERIOD WHILE STILL ACHIEVING COMFORT CONDITIONS BY THE START OF SCHEDULED OCCUPIED PERIOD.

ZONE UNOCCUPIED OVERRIDE:
A TIMED LOCAL OVERRIDE CONTROL SHALL ALLOW AN OCCUPANT TO OVERRIDE THE SCHEDULE AND PLACE THE UNIT INTO AN OCCUPIED MODE FOR AN ADJUSTABLE PERIOD OF TIME. AT THE EXPIRATION OF THIS TIME, CONTROL OF THE UNIT SHALL AUTOMATICALLY RETURN TO THE SCHEDULE.

REVERSING VARIABLE VOLUME TERMINAL UNIT - FLOW CONTROL:
THE UNIT SHALL MAINTAIN ZONE SETPOINTS BY CONTROLLING THE AIRFLOW THROUGH ONE OF THE FOLLOWING:

OCCUPIED:
- WHEN ZONE TEMPERATURE IS GREATER THAN ITS COOLING SETPOINT, THE ZONE DAMPER SHALL MODULATE BETWEEN THE MINIMUM OCCUPIED AIRFLOW (ADJ.) AND THE MAXIMUM COOLING AIRFLOW (ADJ.) UNTIL THE ZONE IS SATISFIED.
- WHEN THE ZONE TEMPERATURE IS BETWEEN THE COOLING SETPOINT AND THE HEATING SETPOINT, THE ZONE DAMPER SHALL MAINTAIN THE MINIMUM REQUIRED ZONE VENTILATION (ADJ.).
- WHEN ZONE TEMPERATURE IS LESS THAN ITS HEATING SETPOINT, THE CONTROLLER SHALL ENABLE HEATING TO MAINTAIN THE ZONE TEMPERATURE AT ITS HEATING SETPOINT. ADDITIONALLY, IF WARM AIR IS AVAILABLE FROM THE AHU, THE ZONE DAMPER SHALL MODULATE BETWEEN THE MINIMUM OCCUPIED AIRFLOW (ADJ.) AND THE MAXIMUM HEATING AIRFLOW (ADJ.) UNTIL THE ZONE IS SATISFIED.

VARIABLE AIR VOLUME - TERMINAL UNIT (TYPICAL OF 1) - CONT.

UNOCCUPIED:
- WHEN THE ZONE IS UNOCCUPIED THE ZONE DAMPER SHALL CONTROL TO ITS MINIMUM UNOCCUPIED AIRFLOW (ADJ.).
- WHEN THE ZONE TEMPERATURE IS GREATER THAN ITS COOLING SETPOINT, THE ZONE DAMPER SHALL MODULATE BETWEEN THE MINIMUM UNOCCUPIED AIRFLOW (ADJ.) AND THE MAXIMUM COOLING AIRFLOW (ADJ.) UNTIL THE ZONE IS SATISFIED.
- WHEN ZONE TEMPERATURE IS LESS THAN ITS UNOCCUPIED HEATING SETPOINT, THE CONTROLLER SHALL ENABLE HEATING TO MAINTAIN THE ZONE TEMPERATURE AT THE SETPOINT. ADDITIONALLY, IF WARM AIR IS AVAILABLE FROM THE AHU, THE ZONE DAMPER SHALL MODULATE BETWEEN THE MINIMUM UNOCCUPIED AIRFLOW (ADJ.) AND THE AUXILIARY HEATING AIRFLOW (ADJ.) UNTIL THE ZONE IS SATISFIED.

REHEATING COIL VALVE:
THE CONTROLLER SHALL MEASURE THE ZONE TEMPERATURE AND MODULATE THE REHEATING COIL VALVE OPEN ON DROPPING TEMPERATURE TO MAINTAIN ITS HEATING SETPOINT.

WHEN COLD AIR IS AVAILABLE FROM THE AHU AND THERE IS NO FAN PRESENT IN THE BOX, THE ZONE DAMPER SHALL MODULATE TO THE MINIMUM OCCUPIED AIRFLOW (ADJ.). IF MORE HEAT IS REQUIRED, THE ZONE DAMPER SHALL MODULATE TO THE AUXILIARY HEATING AIRFLOW (ADJ.).

REHEATING - HIGH DISCHARGE AIR TEMPERATURE LIMIT:
THE CONTROLLER SHALL MEASURE THE DISCHARGE AIR TEMPERATURE AND LIMIT REHEATING IF THE DISCHARGE AIR TEMPERATURE IS MORE THAN 95°F (ADJ.).

DISCHARGE AIR TEMPERATURE:
THE CONTROLLER SHALL MONITOR THE DISCHARGE AIR TEMPERATURE.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH DISCHARGE AIR TEMP: IF THE DISCHARGE AIR TEMPERATURE IS GREATER THAN 120°F (ADJ.).

LOW DISCHARGE AIR TEMP: IF THE DISCHARGE AIR TEMPERATURE IS LESS THAN 40°F (ADJ.).

5 M-801 VAV TERMINAL UNIT CONTROL DIAGRAM AND SEQUENCE
NOT TO SCALE

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: WTB
DRAWN BY: WTB

SHEET TITLE:
MECHANICAL CONTROLS

SHEET NO. M-801
PROJ. NO. 024370.00

VARIABLE AIR VOLUME - RTU1

RUN CONDITIONS - SCHEDULED:
THE UNIT SHALL RUN BASED UPON AN OPERATOR ADJUSTABLE SCHEDULE.

FREEZE PROTECTION:
THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING A FREEZESTAT STATUS.

HIGH STATIC SHUTDOWN:
THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING AN HIGH STATIC SHUTDOWN SIGNAL.

AIR SMOKE DETECTION:
THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING A AIR SMOKE DETECTOR STATUS.

AHU OPTIMAL START:
THE UNIT SHALL START PRIOR TO SCHEDULED OCCUPANCY BASED ON THE TIME NECESSARY FOR THE ZONES TO REACH THEIR OCCUPIED SETPOINTS. THE START TIME SHALL AUTOMATICALLY ADJUST BASED ON CHANGES IN OUTSIDE AIR TEMPERATURE AND ZONE TEMPERATURES.

SUPPLY FAN:
THE SUPPLY FAN SHALL RUN ANYTIME THE UNIT IS COMMANDED TO RUN, UNLESS SHUTDOWN ON SAFETIES. TO PREVENT SHORT CYCLING, THE SUPPLY FAN SHALL HAVE A USER DEFINABLE (ADJ.) MINIMUM RUNTIME.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- SUPPLY FAN FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
- SUPPLY FAN IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.
- SUPPLY FAN RUNTIME EXCEEDED: STATUS RUNTIME EXCEEDS A USER DEFINABLE LIMIT (ADJ.).

SUPPLY AIR DUCT STATIC PRESSURE CONTROL:
THE CONTROLLER SHALL MEASURE DUCT STATIC PRESSURE AND MODULATE THE SUPPLY FAN VFD SPEED TO MAINTAIN A DUCT STATIC PRESSURE SETPOINT. THE SPEED SHALL NOT DROP BELOW 30% (ADJ.). THE STATIC PRESSURE SETPOINT SHALL BE RESET BASED UPON THE POSITION OF THE ZONE DAMPERS, WITH A GOAL OF REDUCING THE STATIC PRESSURE UNTIL AT LEAST ONE ZONE DAMPER IS NEARLY WIDE OPEN.
- THE INITIAL DUCT STATIC PRESSURE SETPOINT SHALL BE 1.5IN H2O (ADJ.).
- IF NO ZONE DAMPER IS NEARLY WIDE OPEN, THE SETPOINT SHALL INCREMENTALLY RESET DOWN TO A MINIMUM OF 1.3IN H2O (ADJ.) .
- AS ONE OR MORE DAMPERS NEARS THE WIDE OPEN POSITION, THE SETPOINT SHALL INCREMENTALLY RESET UP TO A MAXIMUM OF 1.8IN H2O (ADJ.).

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH SUPPLY AIR STATIC PRESSURE: IF THE SUPPLY AIR STATIC PRESSURE IS 25% (ADJ.) GREATER THAN SETPOINT.
- LOW SUPPLY AIR STATIC PRESSURE: IF THE SUPPLY AIR STATIC PRESSURE IS 25% (ADJ.) LESS THAN SETPOINT.
- SUPPLY FAN VFD FAULT.

RETURN FAN:
THE RETURN FAN SHALL RUN WHENEVER THE SUPPLY FAN RUNS.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- RETURN FAN FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
- RETURN FAN IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.
- RETURN FAN RUNTIME EXCEEDED: STATUS RUNTIME EXCEEDS A USER DEFINABLE LIMIT (ADJ.).
- RETURN FAN VFD FAULT.

RETURN PLENUM STATIC PRESSURE CONTROL:
THE CONTROLLER SHALL MEASURE RETURN PLENUM STATIC PRESSURE AND MODULATE THE RETURN FAN VFD SPEED TO MAINTAIN A RETURN PLENUM STATIC PRESSURE SETPOINT OF 0.2IN H2O (ADJ.). THE RETURN FAN VFD SPEED SHALL NOT DROP BELOW 20% (ADJ.).

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH RETURN PLENUM STATIC PRESSURE: IF THE RETURN AIR PLENUM STATIC PRESSURE IS 25% (ADJ.) GREATER THAN SETPOINT.
- LOW RETURN PLENUM STATIC PRESSURE: IF THE RETURN AIR PLENUM STATIC PRESSURE IS 25% (ADJ.) LESS THAN SETPOINT.

BUILDING PRESSURE CONTROL:
A DIFFERENTIAL PRESSURE TRANSDUCER SHALL ACTIVELY MONITOR THE DIFFERENCE IN PRESSURE BETWEEN THE BUILDING (INDOORS) AND OUTDOORS. IF THE BUILDING PRESSURE INCREASES ABOVE THE DESIRED SETPOINT, THE UNIT CONTROLLER SHALL MODULATE THE EA DAMPER TO CONTROL BUILDING PRESSURE AT SETPOINT. IF THE BUILDING PRESSURE DECREASES BELOW THE DESIRED SETPOINT, THE CONTROLLER SHALL CLOSE THE EA DAMPER.

SUPPLY AIR TEMPERATURE SETPOINT - OPTIMIZED:
THE CONTROLLER SHALL MONITOR THE SUPPLY AIR TEMPERATURE AND SHALL MODULATE COOLING CAPACITY TO MAINTAIN A SUPPLY AIR TEMPERATURE SETPOINT.

THE SUPPLY AIR TEMPERATURE SETPOINT SHALL BE 55°F (ADJ.).

IF MORE ZONES NEED HEATING THAN COOLING, THEN THE SUPPLY AIR TEMPERATURE SETPOINT SHALL BE RESET FOR HEATING AS FOLLOWS:
- THE INITIAL SUPPLY AIR TEMPERATURE SETPOINT SHALL BE 82°F (ADJ.).
- AS HEATING DEMAND INCREASES, THE SETPOINT SHALL INCREMENTALLY RESET UP TO A MAXIMUM OF 85°F (ADJ.).
- AS HEATING DEMAND DECREASES, THE SETPOINT SHALL INCREMENTALLY RESET DOWN TO A MINIMUM OF 72°F (ADJ.).

COOLING STAGES:
THE CONTROLLER SHALL MEASURE THE SUPPLY AIR TEMPERATURE AND MODULATE THE VARIABLE SPEED COMPRESSOR TO MAINTAIN ITS COOLING SETPOINT.

THE COOLING SHALL BE ENABLED WHENEVER:
- THE SUPPLY FAN STATUS IS ON.
- AND THE ECONOMIZER IS DISABLED OR FULLY OPEN.
- AND THE HEATING (IF PRESENT) IS NOT ACTIVE.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH SUPPLY AIR TEMP: IF THE SUPPLY AIR TEMPERATURE IS 5°F (ADJ.) GREATER THAN SETPOINT.

VARIABLE AIR VOLUME - RTU - CON'T.

HEATING GAS FURNACE:
THE CONTROLLER SHALL MEASURE THE SUPPLY AIR TEMPERATURE AND MODULATE THE GAS FURNACE TO MAINTAIN ITS HEATING SETPOINT.

THE HEATING SHALL BE ENABLED WHENEVER:
- OUTSIDE AIR TEMPERATURE IS LESS THAN 65°F (ADJ.).
- AND THE SUPPLY FAN STATUS IS ON.
- AND THE SUPPLY AIR TEMPERATURE DROPS TO 8°F (ADJ) BELOW SUPPLY AIR TEMPERATURE SETPOINT.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- LOW SUPPLY AIR TEMP: IF THE SUPPLY AIR TEMPERATURE IS 12°F (ADJ.) LESS THAN SETPOINT.

ECONOMIZER:
THE SUPPLY AIR SENSOR SHALL MEASURES THE DRY BULB TEMPERATURE OF THE AIR LEAVING THE EVAPORATOR COIL WHILE ECONOMIZING. WHEN ECONOMIZING IS ENABLED AND THE UNIT IS OPERATING IN THE COOLING MODE, THE ECONOMIZER DAMPER SHALL BE MODULATED BETWEEN ITS MINIMUM POSITION AND 100% TO MAINTAIN THE DISCHARGE AIR TEMPERATURE SETPOINT. THE ECONOMIZER DAMPER SHALL MODULATE TOWARD MINIMUM POSITION IN THE EVENT THE MIXED AIR TEMPERATURE FALLS BELOW THE LOW LIMIT TEMPERATURE SETTING. COMPRESSORS SHALL BE DELAYED FROM OPERATING UNTIL THE ECONOMIZER HAS OPENED TO 100%.
- OUTSIDE AIR (OA) TEMPERATURE SHALL COMPARED WITH A REFERENCE DRY BULB SETPOINT. THE ECONOMIZER SHALL ENABLE WHEN THE OA TEMPERATURE IS LESS THAN REFERENCE DRY BULB SETPOINT. THE ECONOMIZER SHALL BE DISABLED WHEN OA TEMPERATURE IS GREATER THAN REFERENCE DRY BULB SETPOINT + 5.0 DEG. F.

THE ECONOMIZER SHALL BE ENABLED WHENEVER:
- OUTSIDE AIR TEMPERATURE IS LESS THAN 50°F (ADJ.).
- AND THE SUPPLY FAN STATUS IS ON.

THE ECONOMIZER SHALL CLOSE WHENEVER:
- OUTSIDE AIR TEMPERATURE IS GREATER THAN 55°F (ADJ.)
- OR ON LOSS OF SUPPLY FAN STATUS.

THE OUTSIDE AND EXHAUST AIR DAMPERS SHALL CLOSE AND THE RETURN AIR DAMPER SHALL OPEN WHEN THE UNIT IS OFF. IF OPTIMAL START UP IS AVAILABLE THE MIXED AIR DAMPER SHALL OPERATE AS DESCRIBED IN THE OCCUPIED MODE EXCEPT THAT THE OUTSIDE AIR DAMPER SHALL MODULATE TO FULLY CLOSED.

MINIMUM OUTSIDE AIR VENTILATION:
WHEN IN THE OCCUPIED MODE, THE CONTROLLER SHALL MEASURE THE OUTSIDE AIRFLOW AND MODULATE THE OUTSIDE AIR DAMPERS TO MAINTAIN THE PROPER MINIMUM OUTSIDE AIR VENTILATION, OVERRIDING NORMAL DAMPER CONTROL. ON DROPPING OUTSIDE AIRFLOW, THE CONTROLLER SHALL MODULATE THE OUTSIDE AIR DAMPERS OPEN TO MAINTAIN THE OUTSIDE AIRFLOW SETPOINT (ADJ.).

FINAL FILTER DIFFERENTIAL PRESSURE MONITOR:
THE CONTROLLER SHALL MONITOR THE DIFFERENTIAL PRESSURE ACROSS THE FINAL FILTER.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- FINAL FILTER CHANGE REQUIRED: FINAL FILTER DIFFERENTIAL PRESSURE EXCEEDS A USER DEFINABLE LIMIT (ADJ.).

MIXED AIR TEMPERATURE:
THE CONTROLLER SHALL MONITOR THE MIXED AIR TEMPERATURE AND USE AS REQUIRED FOR ECONOMIZER CONTROL (IF PRESENT) OR PREHEATING CONTROL (IF PRESENT).

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH MIXED AIR TEMP: IF THE MIXED AIR TEMPERATURE IS GREATER THAN 90°F (ADJ.).
- LOW MIXED AIR TEMP: IF THE MIXED AIR TEMPERATURE IS LESS THAN 45°F (ADJ.).

DEMAND CONTROL VENTILATION:
WHEN ANY CO2 LEVEL FROM AND CO2 SENSOR ASSOCIATED WITH THE RTU IS GREATER THAN OR EQUAL TO THE DESIGN MINIMUM CO2 SETPOINT, THE OUTDOOR AIR DAMPER SHALL OPEN TO THE DESIGN MINIMUM OUTDOOR AIR DAMPER SETPOINT. WHEN THE RETURN AIR CO2 LEVEL IS LESS THAN OR EQUAL TO THE DCV MINIMUM CO2 SETPOINT, THE OUTDOOR AIR DAMPER SHALL CLOSE TO THE DCV MINIMUM OUTDOOR AIR DAMPER SETPOINT. IF THERE IS A CALL FOR ECONOMIZER COOLING, THE DAMPER SHALL BE OPENED FURTHER TO SATISFY THE COOLING REQUEST.
- RETURN AIR CO2 SETPOINT SHALL BE 800PPM (ADJ.)
- ROOM AIR CO2 SETPOINT SHALL BE 1200PPM (ADJ.)

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH RETURN AIR CARBON DIOXIDE CONCENTRATION: IF THE RETURN AIR CO2 CONCENTRATION IS GREATER THAN 1000PPM (ADJ.) WHEN IN THE UNIT IS RUNNING.

RETURN AIR HUMIDITY:
THE CONTROLLER SHALL MONITOR THE RETURN AIR HUMIDITY.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH RETURN AIR HUMIDITY: IF THE RETURN AIR HUMIDITY IS GREATER THAN 70% (ADJ.).
- LOW RETURN AIR HUMIDITY: IF THE RETURN AIR HUMIDITY IS LESS THAN 35% (ADJ.).

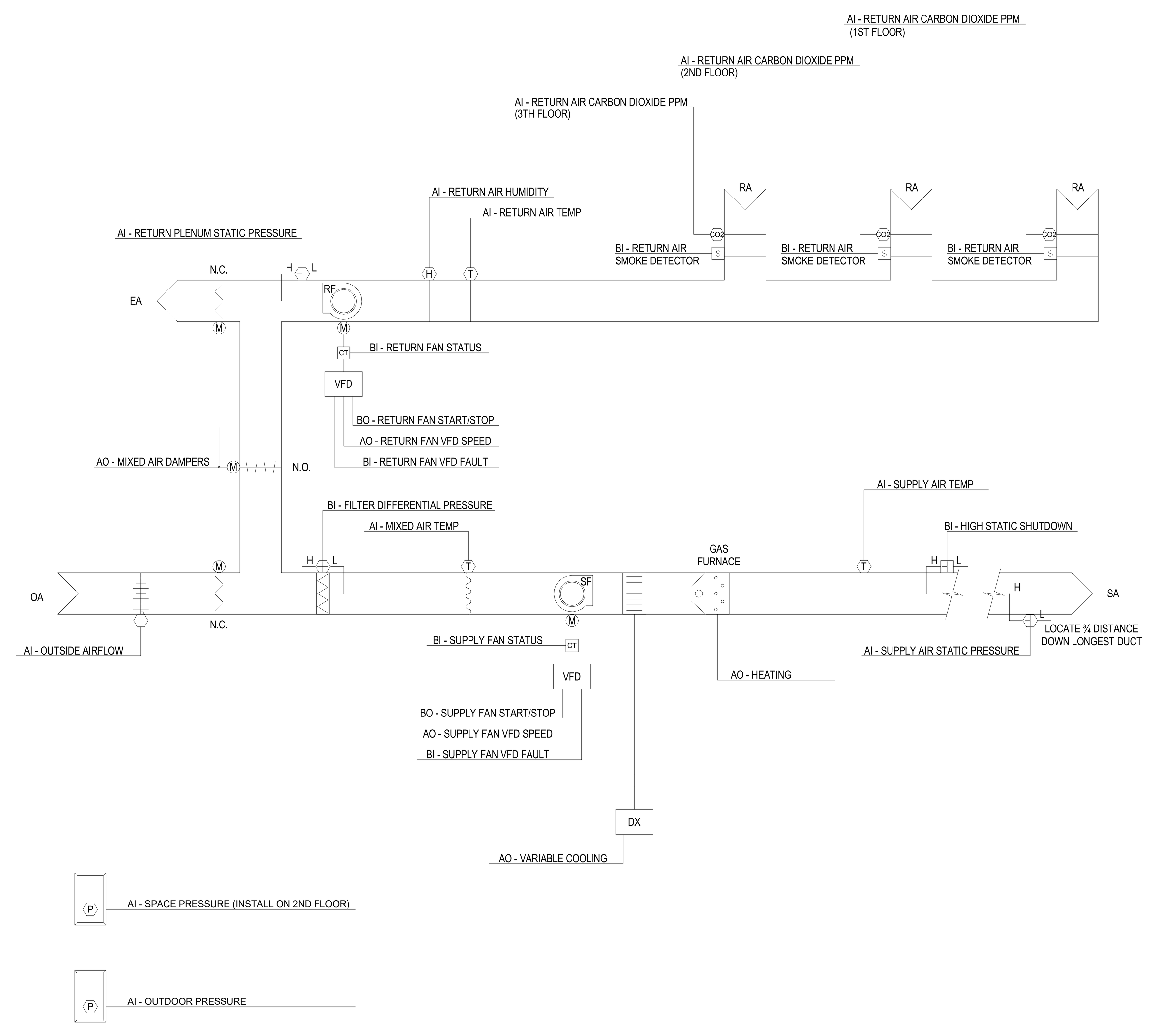
RETURN AIR TEMPERATURE:
THE CONTROLLER SHALL MONITOR THE RETURN AIR TEMPERATURE AND USE AS REQUIRED FOR SETPOINT CONTROL OR ECONOMIZER CONTROL (IF PRESENT).

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH RETURN AIR TEMP: IF THE RETURN AIR TEMPERATURE IS GREATER THAN 90°F (ADJ.).
- LOW RETURN AIR TEMP: IF THE RETURN AIR TEMPERATURE IS LESS THAN 45°F (ADJ.).

SUPPLY AIR TEMPERATURE:
THE CONTROLLER SHALL MONITOR THE SUPPLY AIR TEMPERATURE.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH SUPPLY AIR TEMP: IF THE SUPPLY AIR TEMPERATURE IS GREATER THAN 120°F (ADJ.).
- LOW SUPPLY AIR TEMP: IF THE SUPPLY AIR TEMPERATURE IS LESS THAN 45°F (ADJ.).

FIRE/SMOKE DAMPERS ARE REQUIRED AT ALL SHAFT PENETRATIONS (NOT SHOWN) AND MUST BE INTERLOCKED TO SHUT DOWN RTU.



1
M-802
VARIABLE AIR VOLUME-RTU1 CONTROL DIAGRAM AND SEQUENCE
NOT TO SCALE

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 043801 TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: WTB
DRAWN BY: WTB

SHEET TITLE:
MECHANICAL CONTROLS

SHEET NO. M-802
PROJ. NO. 024370.00

VARIABLE AIR VOLUME - RTU2

RUN CONDITIONS - SCHEDULED:
THE UNIT SHALL RUN BASED UPON AN OPERATOR ADJUSTABLE SCHEDULE.

FREEZE PROTECTION:
THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING A FREEZESTAT STATUS.

HIGH STATIC SHUTDOWN:
THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING AN HIGH STATIC SHUTDOWN SIGNAL.

AIR SMOKE DETECTION:
THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING A AIR SMOKE DETECTOR STATUS.

AHU OPTIMAL START:
THE UNIT SHALL START PRIOR TO SCHEDULED OCCUPANCY BASED ON THE TIME NECESSARY FOR THE ZONES TO REACH THEIR OCCUPIED SETPOINTS. THE START TIME SHALL AUTOMATICALLY ADJUST BASED ON CHANGES IN OUTSIDE AIR TEMPERATURE AND ZONE TEMPERATURES.

SUPPLY FAN:
THE SUPPLY FAN SHALL RUN ANYTIME THE UNIT IS COMMANDED TO RUN, UNLESS SHUTDOWN ON SAFETIES. TO PREVENT SHORT CYCLING, THE SUPPLY FAN SHALL HAVE A USER DEFINABLE (ADJ.) MINIMUM RUNTIME.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- SUPPLY FAN FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
- SUPPLY FAN IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.
- SUPPLY FAN RUNTIME EXCEEDED: STATUS RUNTIME EXCEEDS A USER DEFINABLE LIMIT (ADJ.).

SUPPLY AIR DUCT STATIC PRESSURE CONTROL:
THE CONTROLLER SHALL MEASURE DUCT STATIC PRESSURE AND MODULATE THE SUPPLY FAN VFD SPEED TO MAINTAIN A DUCT STATIC PRESSURE SETPOINT. THE SPEED SHALL NOT DROP BELOW 30% (ADJ.). THE STATIC PRESSURE SETPOINT SHALL BE RESET BASED UPON THE POSITION OF THE ZONE DAMPERS, WITH A GOAL OF REDUCING THE STATIC PRESSURE UNTIL AT LEAST ONE ZONE DAMPER IS NEARLY WIDE OPEN.
- THE INITIAL DUCT STATIC PRESSURE SETPOINT SHALL BE 1.5IN H2O (ADJ.).
- IF NO ZONE DAMPER IS NEARLY WIDE OPEN, THE SETPOINT SHALL INCREMENTALLY RESET DOWN TO A MINIMUM OF 1.3IN H2O (ADJ.) .
- AS ONE OR MORE DAMPERS NEARS THE WIDE OPEN POSITION, THE SETPOINT SHALL INCREMENTALLY RESET UP TO A MAXIMUM OF 1.8IN H2O (ADJ.).

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH SUPPLY AIR STATIC PRESSURE: IF THE SUPPLY AIR STATIC PRESSURE IS 25% (ADJ.) GREATER THAN SETPOINT.
- LOW SUPPLY AIR STATIC PRESSURE: IF THE SUPPLY AIR STATIC PRESSURE IS 25% (ADJ.) LESS THAN SETPOINT.
- SUPPLY FAN VFD FAULT.

RETURN FAN:
THE RETURN FAN SHALL RUN WHENEVER THE SUPPLY FAN RUNS.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- RETURN FAN FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
- RETURN FAN IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.
- RETURN FAN RUNTIME EXCEEDED: STATUS RUNTIME EXCEEDS A USER DEFINABLE LIMIT (ADJ.).
- RETURN FAN VFD FAULT.

RETURN PLENUM STATIC PRESSURE CONTROL:
THE CONTROLLER SHALL MEASURE RETURN PLENUM STATIC PRESSURE AND MODULATE THE RETURN FAN VFD SPEED TO MAINTAIN A RETURN PLENUM STATIC PRESSURE SETPOINT OF 0.2IN H2O (ADJ.). THE RETURN FAN VFD SPEED SHALL NOT DROP BELOW 20% (ADJ.).

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH RETURN PLENUM STATIC PRESSURE: IF THE RETURN AIR PLENUM STATIC PRESSURE IS 25% (ADJ.) GREATER THAN SETPOINT.
- LOW RETURN PLENUM STATIC PRESSURE: IF THE RETURN AIR PLENUM STATIC PRESSURE IS 25% (ADJ.) LESS THAN SETPOINT.

BUILDING PRESSURE CONTROL:
A DIFFERENTIAL PRESSURE TRANSDUCER SHALL ACTIVELY MONITOR THE DIFFERENCE IN PRESSURE BETWEEN THE BUILDING (INDOORS) AND OUTDOORS. IF THE BUILDING PRESSURE INCREASES ABOVE THE DESIRED SETPOINT, THE UNIT CONTROLLER SHALL MODULATE THE EA DAMPER TO CONTROL BUILDING PRESSURE AT SETPOINT. IF THE BUILDING PRESSURE DECREASES BELOW THE DESIRED SETPOINT, THE CONTROLLER SHALL CLOSE THE EA DAMPER.

SUPPLY AIR TEMPERATURE SETPOINT - OPTIMIZED:
THE CONTROLLER SHALL MONITOR THE SUPPLY AIR TEMPERATURE AND SHALL MODULATE COOLING CAPACITY TO MAINTAIN A SUPPLY AIR TEMPERATURE SETPOINT.

THE SUPPLY AIR TEMPERATURE SETPOINT SHALL BE 55°F (ADJ.).

IF MORE ZONES NEED HEATING THAN COOLING, THEN THE SUPPLY AIR TEMPERATURE SETPOINT SHALL BE RESET FOR HEATING AS FOLLOWS:
- THE INITIAL SUPPLY AIR TEMPERATURE SETPOINT SHALL BE 82°F (ADJ.).
- AS HEATING DEMAND INCREASES, THE SETPOINT SHALL INCREMENTALLY RESET UP TO A MAXIMUM OF 85°F (ADJ.).
- AS HEATING DEMAND DECREASES, THE SETPOINT SHALL INCREMENTALLY RESET DOWN TO A MINIMUM OF 72°F (ADJ.).

COOLING STAGES:
THE CONTROLLER SHALL MEASURE THE SUPPLY AIR TEMPERATURE AND MODULATE THE VARIABLE SPEED COMPRESSOR TO MAINTAIN ITS COOLING SETPOINT.

THE COOLING SHALL BE ENABLED WHENEVER:
- THE SUPPLY FAN STATUS IS ON.
- AND THE ECONOMIZER IS DISABLED OR FULLY OPEN.
- AND THE HEATING (IF PRESENT) IS NOT ACTIVE.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH SUPPLY AIR TEMP: IF THE SUPPLY AIR TEMPERATURE IS 5°F (ADJ.) GREATER THAN SETPOINT.

1 / M-803 VARIABLE AIR VOLUME-RTU2 CONTROL DIAGRAM AND SEQUENCE

NOT TO SCALE

VARIABLE AIR VOLUME - RTU - CON'T.

HEATING GAS FURNACE:
THE CONTROLLER SHALL MEASURE THE SUPPLY AIR TEMPERATURE AND MODULATE THE GAS FURNACE TO MAINTAIN ITS HEATING SETPOINT.

THE HEATING SHALL BE ENABLED WHENEVER:
- OUTSIDE AIR TEMPERATURE IS LESS THAN 65°F (ADJ.).
- AND THE SUPPLY FAN STATUS IS ON.
- AND THE SUPPLY AIR TEMPERATURE DROPS TO 8°F (ADJ) BELOW SUPPLY AIR TEMPERATURE SETPOINT.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- LOW SUPPLY AIR TEMP: IF THE SUPPLY AIR TEMPERATURE IS 12°F (ADJ.) LESS THAN SETPOINT.

ECONOMIZER:
THE SUPPLY AIR SENSOR SHALL MEASURES THE DRY BULB TEMPERATURE OF THE AIR LEAVING THE EVAPORATOR COIL WHILE ECONOMIZING. WHEN ECONOMIZING IS ENABLED AND THE UNIT IS OPERATING IN THE COOLING MODE, THE ECONOMIZER DAMPER SHALL BE MODULATED BETWEEN ITS MINIMUM POSITION AND 100% TO MAINTAIN THE DISCHARGE AIR TEMPERATURE SETPOINT. THE ECONOMIZER DAMPER SHALL MODULATE TOWARD MINIMUM POSITION IN THE EVENT THE MIXED AIR TEMPERATURE FALLS BELOW THE LOW LIMIT TEMPERATURE SETTING. COMPRESSORS SHALL BE DELAYED FROM OPERATING UNTIL THE ECONOMIZER HAS OPENED TO 100%.
- OUTSIDE AIR (OA) TEMPERATURE SHALL COMPARED WITH A REFERENCE DRY BULB SETPOINT. THE ECONOMIZER SHALL ENABLE WHEN THE OA TEMPERATURE IS LESS THAN REFERENCE DRY BULB SETPOINT. THE ECONOMIZER SHALL BE DISABLED WHEN OA TEMPERATURE IS GREATER THAN REFERENCE DRY BULB SETPOINT + 5.0 DEG. F.

THE ECONOMIZER SHALL BE ENABLED WHENEVER:
- OUTSIDE AIR TEMPERATURE IS LESS THAN 50°F (ADJ.).
- AND THE SUPPLY FAN STATUS IS ON.

THE ECONOMIZER SHALL CLOSE WHENEVER:
- OUTSIDE AIR TEMPERATURE IS GREATER THAN 55°F (ADJ.)
- OR ON LOSS OF SUPPLY FAN STATUS.

THE OUTSIDE AND EXHAUST AIR DAMPERS SHALL CLOSE AND THE RETURN AIR DAMPER SHALL OPEN WHEN THE UNIT IS OFF. IF OPTIMAL START UP IS AVAILABLE THE MIXED AIR DAMPER SHALL OPERATE AS DESCRIBED IN THE OCCUPIED MODE EXCEPT THAT THE OUTSIDE AIR DAMPER SHALL MODULATE TO FULLY CLOSED.

MINIMUM OUTSIDE AIR VENTILATION:
WHEN IN THE OCCUPIED MODE, THE CONTROLLER SHALL MEASURE THE OUTSIDE AIRFLOW AND MODULATE THE OUTSIDE AIR DAMPERS TO MAINTAIN THE PROPER MINIMUM OUTSIDE AIR VENTILATION, OVERRIDING NORMAL DAMPER CONTROL. ON DROPPING OUTSIDE AIRFLOW, THE CONTROLLER SHALL MODULATE THE OUTSIDE AIR DAMPERS OPEN TO MAINTAIN THE OUTSIDE AIRFLOW SETPOINT (ADJ.).

FINAL FILTER DIFFERENTIAL PRESSURE MONITOR:
THE CONTROLLER SHALL MONITOR THE DIFFERENTIAL PRESSURE ACROSS THE FINAL FILTER.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- FINAL FILTER CHANGE REQUIRED: FINAL FILTER DIFFERENTIAL PRESSURE EXCEEDS A USER DEFINABLE LIMIT (ADJ.).

MIXED AIR TEMPERATURE:
THE CONTROLLER SHALL MONITOR THE MIXED AIR TEMPERATURE AND USE AS REQUIRED FOR ECONOMIZER CONTROL (IF PRESENT) OR PREHEATING CONTROL (IF PRESENT).

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH MIXED AIR TEMP: IF THE MIXED AIR TEMPERATURE IS GREATER THAN 90°F (ADJ.).
- LOW MIXED AIR TEMP: IF THE MIXED AIR TEMPERATURE IS LESS THAN 45°F (ADJ.).

DEMAND CONTROL VENTILATION:
WHEN ANY CO2 LEVEL FROM AND CO2 SENSOR ASSOCIATED WITH THE RTU IS GREATER THAN OR EQUAL TO THE DESIGN MINIMUM CO2 SETPOINT, THE OUTDOOR AIR DAMPER SHALL OPEN TO THE DESIGN MINIMUM OUTDOOR AIR DAMPER SETPOINT. WHEN THE RETURN AIR CO2 LEVEL IS LESS THAN OR EQUAL TO THE DCV MINIMUM CO2 SETPOINT, THE OUTDOOR AIR DAMPER SHALL CLOSE TO THE DCV MINIMUM OUTDOOR AIR DAMPER SETPOINT. IF THERE IS A CALL FOR ECONOMIZER COOLING, THE DAMPER SHALL BE OPENED FURTHER TO SATISFY THE COOLING REQUEST.
- RETURN AIR CO2 SETPOINT SHALL BE 800PPM (ADJ.)
- ROOM AIR CO2 SETPOINT SHALL BE 1200PPM (ADJ.)

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH RETURN AIR CARBON DIOXIDE CONCENTRATION: IF THE RETURN AIR CO2 CONCENTRATION IS GREATER THAN 1000PPM (ADJ.) WHEN IN THE UNIT IS RUNNING.

RETURN AIR HUMIDITY:
THE CONTROLLER SHALL MONITOR THE RETURN AIR HUMIDITY.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH RETURN AIR HUMIDITY: IF THE RETURN AIR HUMIDITY IS GREATER THAN 70% (ADJ.).
- LOW RETURN AIR HUMIDITY: IF THE RETURN AIR HUMIDITY IS LESS THAN 35% (ADJ.).

RETURN AIR TEMPERATURE:
THE CONTROLLER SHALL MONITOR THE RETURN AIR TEMPERATURE AND USE AS REQUIRED FOR SETPOINT CONTROL OR ECONOMIZER CONTROL (IF PRESENT).

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH RETURN AIR TEMP: IF THE RETURN AIR TEMPERATURE IS GREATER THAN 90°F (ADJ.).
- LOW RETURN AIR TEMP: IF THE RETURN AIR TEMPERATURE IS LESS THAN 45°F (ADJ.).

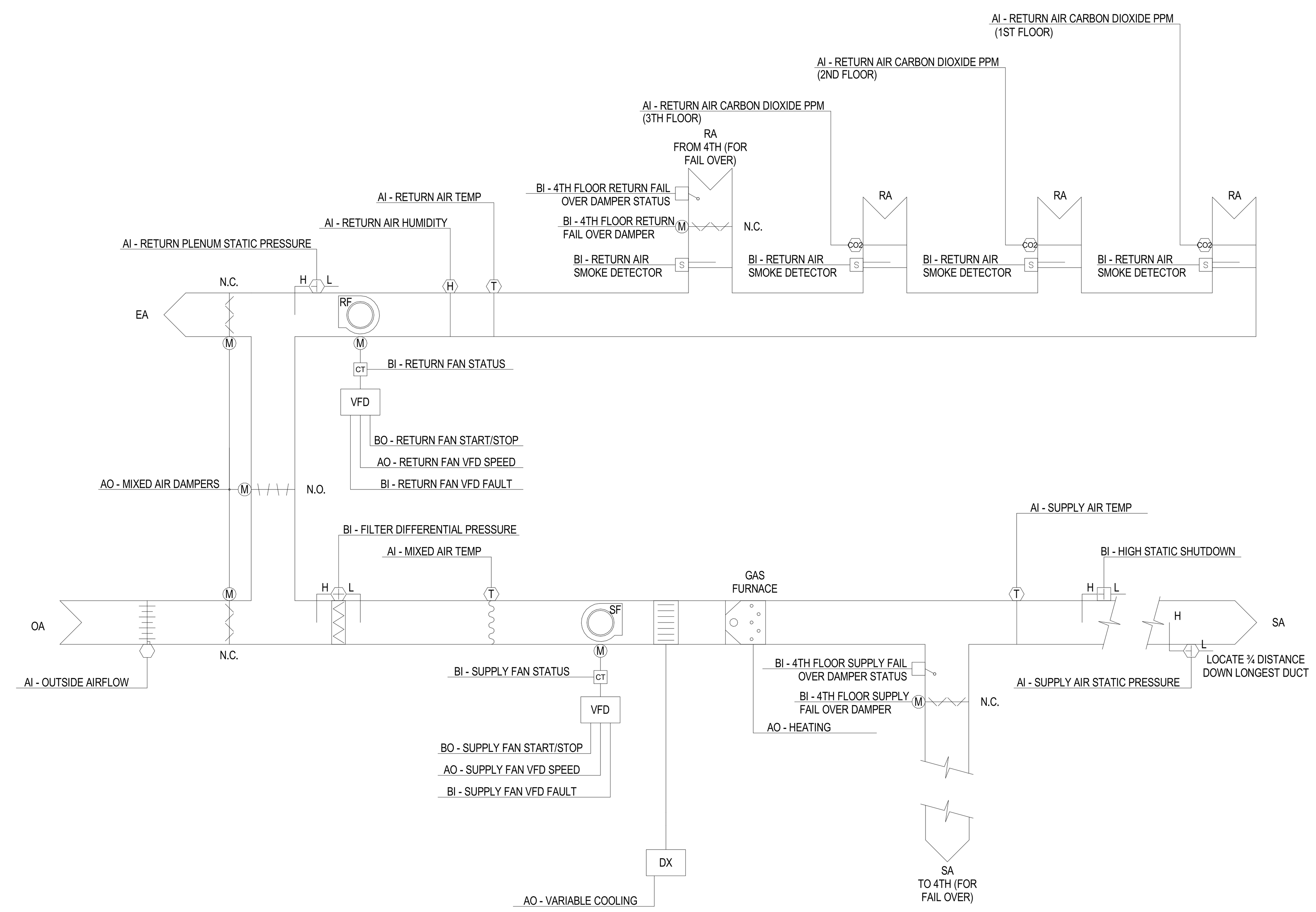
SUPPLY AIR TEMPERATURE:
THE CONTROLLER SHALL MONITOR THE SUPPLY AIR TEMPERATURE.

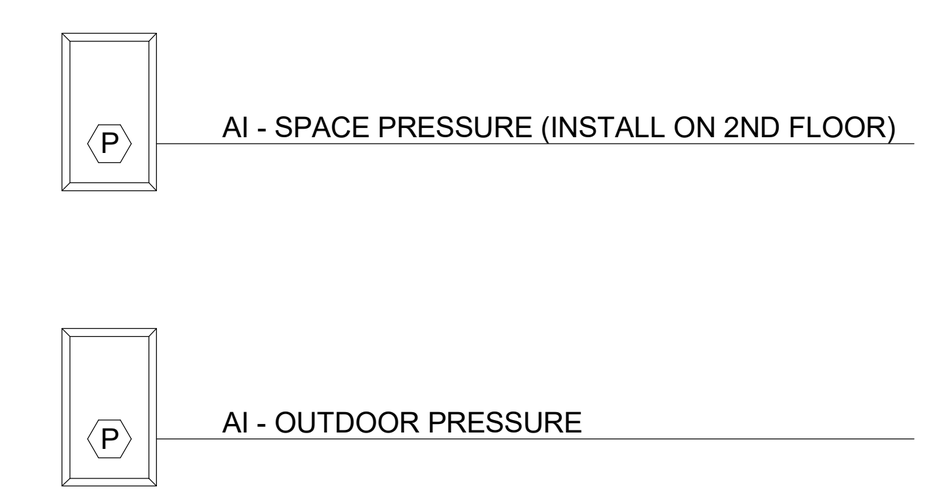
ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH SUPPLY AIR TEMP: IF THE SUPPLY AIR TEMPERATURE IS GREATER THAN 120°F (ADJ.).
- LOW SUPPLY AIR TEMP: IF THE SUPPLY AIR TEMPERATURE IS LESS THAN 45°F (ADJ.).

RTU2 WILL PROVIDE REDUNDANCY IN THE EVENT THAT RTU3 FAILS. CONTRACTOR WILL NEED TO PROVIDE CONTROL DAMPERS TO ALLOW RTU2 TO PROVIDE SUPPLY AIR AND ALLOW RETURN AIR FROM FOURTH FLOOR IF RTU3 FAILS.
IF RTU 3 FAILS, THE NORMALLY CLOSED 4TH FLOOR SUPPLY FAIL OVER DAMPER AND THE 4TH FLOOR RETURN FAIL OVER DAMPER SHALL OPEN ALLOWING SUPPLY AIR FROM RTU3 TO SERVE THE 4TH FLOOR. THE BMS SHALL MONITOR 4TH FLOOR SPACE TEMPERATURE. IF MORE THAN 4 ZONES (ADJ.) ACTIVE TEMPERATURE IS MORE THAN 4 DEGREES FROM SETPOINT THE 1ST, 2ND AND 3RD FLOOR VAVS ASSOCIATED WITH RTU2 SHALL BE COMMANDED TO MINIMUM FLOW PRIORITIZING SUPPLY AIR TO THE 4TH FLOOR.

RTU3 REACTIVATION MUST BE BY A 2-STEP MANUAL RESET PROCESS. 1ST STEP WILL BE TO OPEN THE RTU3 SUPPLY FAIL OVER DAMPER AND CLOSE THE RTU2 SUPPLY FAIL OVER DAMPER ALSO THE 4TH FLOOR SUPPLY FAIL OVER DAMPER AND THE 4TH FLOOR RETURN FAILOVER DAMPER SHALL CLOSE. 2ND STEP WILL BE TO BRING RTU 3 BACK ONLINE. RTU3 SHALL NOT BE ABLE TO RESTART UNTIL THE RTU3 SUPPLY FAIL OVER DAMPER IS PROVEN OPEN AND THE RTU2 SUPPLY FAIL OVER DAMPER IS PROVEN CLOSED.

FIRE/SMOKE DAMPERS ARE REQUIRED AT ALL SHAFT PENETRATIONS (NOT SHOWN) AND MUST BE INTERLOCKED TO SHUT DOWN RTU.





ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 043801 TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: WTB
DRAWN BY: WTB

SHEET TITLE:
MECHANICAL CONTROLS

SHEET NO. PROJ. NO. 024370.00

M-803

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

VARIABLE AIR VOLUME - RTU3

RUN CONDITIONS - SCHEDULED:
THE UNIT SHALL RUN BASED UPON AN OPERATOR ADJUSTABLE SCHEDULE.

FREEZE PROTECTION:
THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING A FREEZESTAT STATUS.

HIGH STATIC SHUTDOWN:
THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING AN HIGH STATIC SHUTDOWN SIGNAL.

AIR SMOKE DETECTION:
THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING A AIR SMOKE DETECTOR STATUS.

AHU OPTIMAL START:
THE UNIT SHALL START PRIOR TO SCHEDULED OCCUPANCY BASED ON THE TIME NECESSARY FOR THE ZONES TO REACH THEIR OCCUPIED SETPOINTS. THE START TIME SHALL AUTOMATICALLY ADJUST BASED ON CHANGES IN OUTSIDE AIR TEMPERATURE AND ZONE TEMPERATURES.

SUPPLY FAN:
THE SUPPLY FAN SHALL RUN ANYTIME THE UNIT IS COMMANDED TO RUN, UNLESS SHUTDOWN ON SAFETIES. TO PREVENT SHORT CYCLING, THE SUPPLY FAN SHALL HAVE A USER DEFINABLE (ADJ.) MINIMUM RUNTIME.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- SUPPLY FAN FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
- SUPPLY FAN IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.
- SUPPLY FAN RUNTIME EXCEEDED: STATUS RUNTIME EXCEEDS A USER DEFINABLE LIMIT (ADJ.).

SUPPLY AIR DUCT STATIC PRESSURE CONTROL:
THE CONTROLLER SHALL MEASURE DUCT STATIC PRESSURE AND MODULATE THE SUPPLY FAN VFD SPEED TO MAINTAIN A DUCT STATIC PRESSURE SETPOINT. THE SPEED SHALL NOT DROP BELOW 30% (ADJ.). THE STATIC PRESSURE SETPOINT SHALL BE RESET BASED UPON THE POSITION OF THE ZONE DAMPERS, WITH A GOAL OF REDUCING THE STATIC PRESSURE UNTIL AT LEAST ONE ZONE DAMPER IS NEARLY WIDE OPEN.
- THE INITIAL DUCT STATIC PRESSURE SETPOINT SHALL BE 1.5IN H2O (ADJ.).
- IF NO ZONE DAMPER IS NEARLY WIDE OPEN, THE SETPOINT SHALL INCREMENTALLY RESET DOWN TO A MINIMUM OF 1.3IN H2O (ADJ.) .
- AS ONE OR MORE DAMPERS NEARS THE WIDE OPEN POSITION, THE SETPOINT SHALL INCREMENTALLY RESET UP TO A MAXIMUM OF 1.8IN H2O (ADJ.).

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH SUPPLY AIR STATIC PRESSURE: IF THE SUPPLY AIR STATIC PRESSURE IS 25% (ADJ.) GREATER THAN SETPOINT.
- LOW SUPPLY AIR STATIC PRESSURE: IF THE SUPPLY AIR STATIC PRESSURE IS 25% (ADJ.) LESS THAN SETPOINT.
- SUPPLY FAN VFD FAULT.

RETURN FAN:
THE RETURN FAN SHALL RUN WHENEVER THE SUPPLY FAN RUNS.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- RETURN FAN FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
- RETURN FAN IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.
- RETURN FAN RUNTIME EXCEEDED: STATUS RUNTIME EXCEEDS A USER DEFINABLE LIMIT (ADJ.).
- RETURN FAN VFD FAULT.

RETURN PLENUM STATIC PRESSURE CONTROL:
THE CONTROLLER SHALL MEASURE RETURN PLENUM STATIC PRESSURE AND MODULATE THE RETURN FAN VFD SPEED TO MAINTAIN A RETURN PLENUM STATIC PRESSURE SETPOINT OF 0.2IN H2O (ADJ.). THE RETURN FAN VFD SPEED SHALL NOT DROP BELOW 20% (ADJ.).

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH RETURN PLENUM STATIC PRESSURE: IF THE RETURN AIR PLENUM STATIC PRESSURE IS 25% (ADJ.) GREATER THAN SETPOINT.
- LOW RETURN PLENUM STATIC PRESSURE: IF THE RETURN AIR PLENUM STATIC PRESSURE IS 25% (ADJ.) LESS THAN SETPOINT.

BUILDING PRESSURE CONTROL:
A DIFFERENTIAL PRESSURE TRANSDUCER SHALL ACTIVELY MONITOR THE DIFFERENCE IN PRESSURE BETWEEN THE BUILDING (INDOORS) AND OUTDOORS. IF THE BUILDING PRESSURE INCREASES ABOVE THE DESIRED SETPOINT, THE UNIT CONTROLLER SHALL MODULATE THE EA DAMPER TO CONTROL BUILDING PRESSURE AT SETPOINT. IF THE BUILDING PRESSURE DECREASES BELOW THE DESIRED SETPOINT, THE CONTROLLER SHALL CLOSE THE EA DAMPER.

SUPPLY AIR TEMPERATURE SETPOINT - OPTIMIZED:
THE CONTROLLER SHALL MONITOR THE SUPPLY AIR TEMPERATURE AND SHALL MODULATE COOLING CAPACITY TO MAINTAIN A SUPPLY AIR TEMPERATURE SETPOINT.

THE SUPPLY AIR TEMPERATURE SETPOINT SHALL BE 55°F (ADJ.).

IF MORE ZONES NEED HEATING THAN COOLING, THEN THE SUPPLY AIR TEMPERATURE SETPOINT SHALL BE RESET FOR HEATING AS FOLLOWS:
- THE INITIAL SUPPLY AIR TEMPERATURE SETPOINT SHALL BE 82°F (ADJ.).
- AS HEATING DEMAND INCREASES, THE SETPOINT SHALL INCREMENTALLY RESET UP TO A MAXIMUM OF 85°F (ADJ.).
- AS HEATING DEMAND DECREASES, THE SETPOINT SHALL INCREMENTALLY RESET DOWN TO A MINIMUM OF 72°F (ADJ.).

COOLING STAGES:
THE CONTROLLER SHALL MEASURE THE SUPPLY AIR TEMPERATURE AND MODULATE THE VARIABLE SPEED COMPRESSOR TO MAINTAIN ITS COOLING SETPOINT.

THE COOLING SHALL BE ENABLED WHENEVER:
- THE SUPPLY FAN STATUS IS ON.
- AND THE ECONOMIZER IS DISABLED OR FULLY OPEN.
- AND THE HEATING (IF PRESENT) IS NOT ACTIVE.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH SUPPLY AIR TEMP: IF THE SUPPLY AIR TEMPERATURE IS 5°F (ADJ.) GREATER THAN SETPOINT.

VARIABLE AIR VOLUME - RTU - CON'T.

ECONOMIZER:
THE SUPPLY AIR SENSOR SHALL MEASURES THE DRY BULB TEMPERATURE OF THE AIR LEAVING THE EVAPORATOR COIL WHILE ECONOMIZING. WHEN ECONOMIZING IS ENABLED AND THE UNIT IS OPERATING IN THE COOLING MODE, THE ECONOMIZER DAMPER SHALL BE MODULATED BETWEEN ITS MINIMUM POSITION AND 100% TO MAINTAIN THE DISCHARGE AIR TEMPERATURE SETPOINT. THE ECONOMIZER DAMPER SHALL MODULATE TOWARD MINIMUM POSITION IN THE EVENT THE MIXED AIR TEMPERATURE FALLS BELOW THE LOW LIMIT TEMPERATURE SETTING. COMPRESSORS SHALL BE DELAYED FROM OPERATING UNTIL THE ECONOMIZER HAS OPENED TO 100%.
- OUTSIDE AIR (OA) TEMPERATURE SHALL COMPARED WITH A REFERENCE DRY BULB SETPOINT. THE ECONOMIZER SHALL ENABLE WHEN THE OA TEMPERATURE IS LESS THAN REFERENCE DRY BULB SETPOINT. THE ECONOMIZER SHALL BE DISABLED WHEN OA TEMPERATURE IS GREATER THAN REFERENCE DRY BULB SETPOINT + 5.0 DEG. F.

THE ECONOMIZER SHALL BE ENABLED WHENEVER:
- OUTSIDE AIR TEMPERATURE IS LESS THAN 50°F (ADJ.).
- AND THE SUPPLY FAN STATUS IS ON.

THE ECONOMIZER SHALL CLOSE WHENEVER:
- OUTSIDE AIR TEMPERATURE IS GREATER THAN 55°F (ADJ.)
- OR ON LOSS OF SUPPLY FAN STATUS.

THE OUTSIDE AND EXHAUST AIR DAMPERS SHALL CLOSE AND THE RETURN AIR DAMPER SHALL OPEN WHEN THE UNIT IS OFF. IF OPTIMAL START UP IS AVAILABLE THE MIXED AIR DAMPER SHALL OPERATE AS DESCRIBED IN THE OCCUPIED MODE EXCEPT THAT THE OUTSIDE AIR DAMPER SHALL MODULATE TO FULLY CLOSED.

MINIMUM OUTSIDE AIR VENTILATION:
WHEN IN THE OCCUPIED MODE, THE CONTROLLER SHALL MEASURE THE OUTSIDE AIRFLOW AND MODULATE THE OUTSIDE AIR DAMPERS TO MAINTAIN THE PROPER MINIMUM OUTSIDE AIR VENTILATION, OVERRIDING NORMAL DAMPER CONTROL. ON DROPPING OUTSIDE AIRFLOW, THE CONTROLLER SHALL MODULATE THE OUTSIDE AIR DAMPERS OPEN TO MAINTAIN THE OUTSIDE AIRFLOW SETPOINT (ADJ.).

FINAL FILTER DIFFERENTIAL PRESSURE MONITOR:
THE CONTROLLER SHALL MONITOR THE DIFFERENTIAL PRESSURE ACROSS THE FINAL FILTER.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- FINAL FILTER CHANGE REQUIRED: FINAL FILTER DIFFERENTIAL PRESSURE EXCEEDS A USER DEFINABLE LIMIT (ADJ.).

MIXED AIR TEMPERATURE:
THE CONTROLLER SHALL MONITOR THE MIXED AIR TEMPERATURE AND USE AS REQUIRED FOR ECONOMIZER CONTROL.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH MIXED AIR TEMP: IF THE MIXED AIR TEMPERATURE IS GREATER THAN 90°F (ADJ.).
- LOW MIXED AIR TEMP: IF THE MIXED AIR TEMPERATURE IS LESS THAN 45°F (ADJ.).

DEMAND CONTROL VENTILATION:
WHEN CO2 SENSOR ASSOCIATED WITH THE RTU IS GREATER THAN OR EQUAL TO THE DESIGN MINIMUM CO2 SETPOINT, THE OUTDOOR AIR DAMPER SHALL OPEN TO THE DESIGN MINIMUM OUTDOOR AIR DAMPER SETPOINT. WHEN THE RETURN AIR CO2 LEVEL IS LESS THAN OR EQUAL TO THE DCV MINIMUM CO2 SETPOINT, THE OUTDOOR AIR DAMPER SHALL CLOSE TO THE DCV MINIMUM OUTDOOR AIR DAMPER SETPOINT. IF THERE IS A CALL FOR ECONOMIZER COOLING, THE DAMPER SHALL BE OPENED FURTHER TO SATISFY THE COOLING REQUEST.
- RETURN AIR CO2 SETPOINT SHALL BE 800PPM (ADJ.)
- ROOM AIR CO2 SETPOINT SHALL BE 1200PPM (ADJ.)

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH RETURN AIR CARBON DIOXIDE CONCENTRATION: IF THE RETURN AIR CO2 CONCENTRATION IS GREATER THAN 1000PPM (ADJ.) WHEN IN THE UNIT IS RUNNING.

RETURN AIR HUMIDITY:
THE CONTROLLER SHALL MONITOR THE RETURN AIR HUMIDITY.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH RETURN AIR HUMIDITY: IF THE RETURN AIR HUMIDITY IS GREATER THAN 70% (ADJ.).
- LOW RETURN AIR HUMIDITY: IF THE RETURN AIR HUMIDITY IS LESS THAN 35% (ADJ.).

RETURN AIR TEMPERATURE:
THE CONTROLLER SHALL MONITOR THE RETURN AIR TEMPERATURE AND USE AS REQUIRED FOR SETPOINT CONTROL OR ECONOMIZER CONTROL (IF PRESENT).

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH RETURN AIR TEMP: IF THE RETURN AIR TEMPERATURE IS GREATER THAN 90°F (ADJ.).
- LOW RETURN AIR TEMP: IF THE RETURN AIR TEMPERATURE IS LESS THAN 45°F (ADJ.).

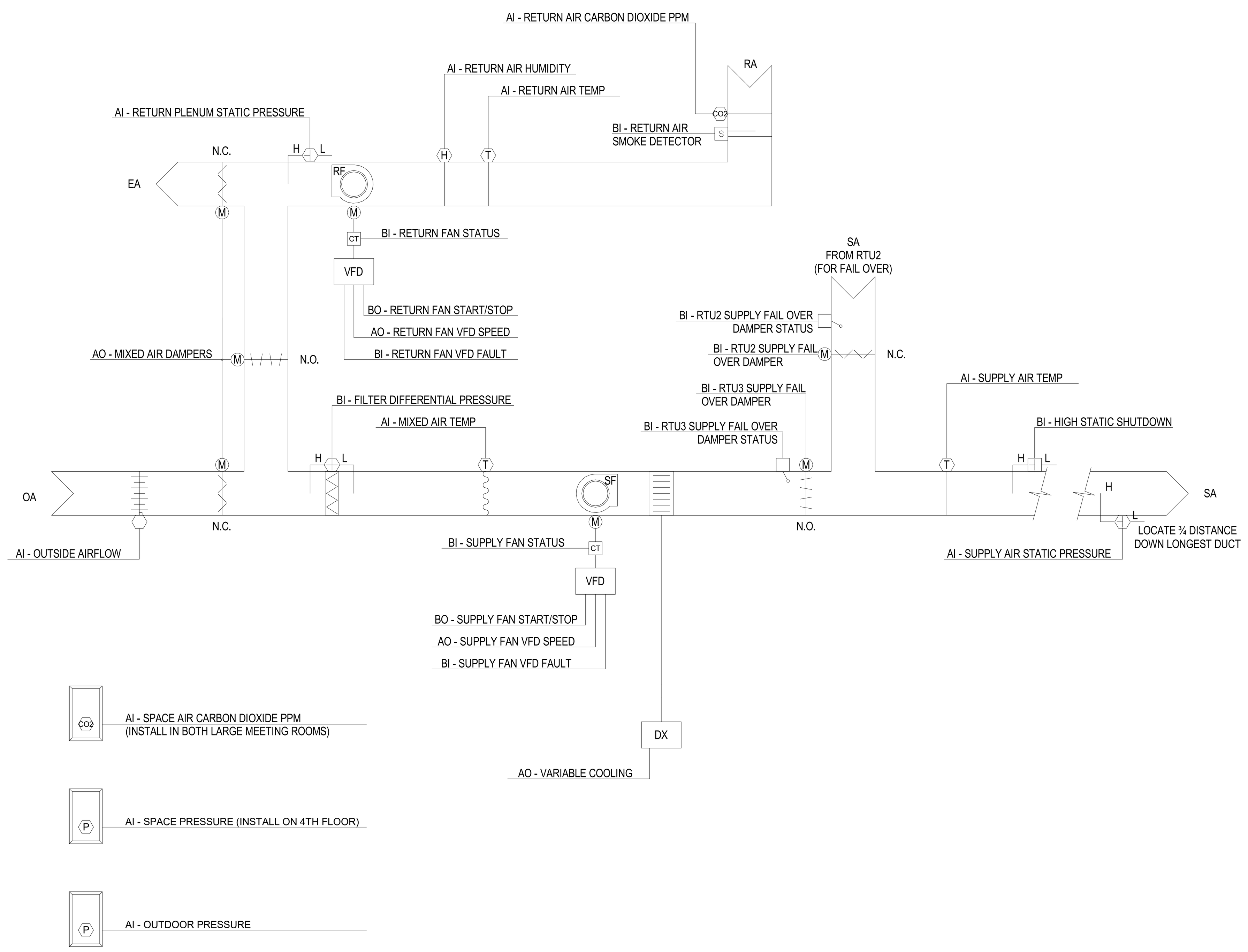
SUPPLY AIR TEMPERATURE:
THE CONTROLLER SHALL MONITOR THE SUPPLY AIR TEMPERATURE.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH SUPPLY AIR TEMP: IF THE SUPPLY AIR TEMPERATURE IS GREATER THAN 120°F (ADJ.).
- LOW SUPPLY AIR TEMP: IF THE SUPPLY AIR TEMPERATURE IS LESS THAN 45°F (ADJ.).

RTU2 WILL PROVIDE REDUNDANCY IN THE EVENT THAT RTU3 FAILS. CONTRACTOR WILL NEED TO PROVIDE CONTROL DAMPERS TO ALLOW RTU2 TO PROVIDE SUPPLY AIR AND ALLOW RETURN AIR FROM FOURTH FLOOR IF RTU3 FAILS.
IF RTU 3 FAILS, THE NORMALLY OPEN RTU3 SUPPLY FAIL OVER DAMPER SHALL CLOSE AND THE NORMALLY CLOSED RTU2 SUPPLY FAIL OVER DAMPER SHALL OPEN.

RTU3 REACTIVATION MUST BE BY A 2-STEP MANUAL RESET RPOCESS. 1ST STEP WILL BE TO OPEN THE RTU3 SUPPLY FAIL OVER DAMPER AND CLOSE THE RTU2 SUPPLY FAIL OVER DAMPER. 2ND STEP WILL BE TO BRING RTU 3 BACK ONLINE. RTU3 SHALL NOT BE ABLE TO RESTART UNTIL THE RTU3 SUPPLY FAIL OVER DAMPER IS PROVEN OPEN AND THE RTU2 SUPPLY FAIL OVER DAMPER IS PROVEN CLOSED.

FIRE/SMOKE DAMPERS ARE REQUIRED AT ALL SHAFT PENETRATIONS (NOT SHOWN) AND MUST BE INTERLOCKED TO SHUT DOWN RTU.



1 / M-804 VARIABLE AIR VOLUME-RTU3 CONTROL DIAGRAM AND SEQUENCE

NOT TO SCALE

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 043801 TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: WTB
DRAWN BY: WTB

SHEET TITLE:
MECHANICAL CONTROLS

SHEET NO. M-804
PROJ. NO. 024370.00

BOILER PLANT SEQUENCE OF OPERATION

PRIMARY-SECONDARY LOOP BOILER PLANT

GENERAL DESCRIPTION:
THE HOT WATER SYSTEM CONSISTS OF (4) BOILERS, (4) BOILER CIRCULATOR PUMPS AND (2) SECONDARY HOT WATER PUMPS. THE BUILDING AUTOMATION SYSTEM (BAS) CONTROLLER SHALL PROVIDE STAND-ALONE CONTROL OR BAS WORKSTATION CONTROL OF THE SUPPLY HEATING WATER TEMPERATURE SETPOINT (ADJ.) BY CONTROLLING THE BOILER'S ENABLE/DISABLE BOILER SIGNAL. ONLY (1) SECONDARY PUMP SHALL RUN AT A TIME.

HEATING SYSTEM ENABLE/DISABLE:
THE HEATING SYSTEM IS ENABLED WHEN THE HEATING DEMAND OF A TERMINAL UNIT IS GREATER THAN 6% (ADJUSTABLE). THE BOILER SHALL ALSO RUN FOR FREEZE PROTECTION WHENEVER THE OUTSIDE AIR TEMPERATURE IS LESS THAN 38°F (ADJ). THE HEATING SYSTEM IS DISABLED WHEN THE HEATING DEMAND IS LESS THAN 1%. INCLUDE HEATING ENABLE TIME DELAYS OF 5 MINUTES ON DELAY, 10 MINUTES MINIMUM OFF TIME AND 20 MINUTES MINIMUM ON TIME.

THE BOILER ARRAY SHALL RUN SUBJECT TO ITS OWN INTERNAL SAFETIES AND CONTROLS.

PACKAGED BOILER CONTROLS:
THE BOILERS SHALL BE SET UP FOR CASCADING LEAD/LAG CONTROL TO MAINTAIN SECONDARY LOOP HOT WATER TEMPERATURE. THE LEAD BOILER SHALL BE ENABLED BASED ON SECONDARY HOT WATER PUMP STATUS. WHEN COMMANDED TO RUN THROUGH THE DDC SYSTEM, THE PACKAGED BOILER CONTROL SYSTEM SHALL STAGE ON AND MODULATE THE LEAD BOILER IN ORDER TO MAINTAIN THE HEATING SECONDARY LOOP TEMPERATURE SETPOINT. THE PACKAGED CONTROLS SHALL START THE RESPECTIVE PRIMARY LOOP BOILER CIRCULATING PUMP WITH EACH BOILER. THE BOILERS SHALL RUN SUBJECT TO THEIR PACKAGED SAFETIES AND CONTROLS INCLUDING LEAD BOILER ROTATION AND BOILER FAILURE SEQUENCES. BOILER SETUP INFORMATION FOR EACH BOILER SHALL BE ACCESSED THROUGH THEIR RESPECTIVE TOUCH PAD PANEL INTERFACE AND DIGITAL DISPLAY.
EACH BOILER SHALL BE INTEGRATED TO THE BUILDING MANAGEMENT SYSTEM FOR MONITORING. CONFIGURE THE APPROPRIATE ALARM EXTENSIONS AND TREND EXTENSIONS ON THE AVAILABLE BOILER POINTS.

HOT WATER SUPPLY TEMPERATURE SETPOINT:
THE HOT WATER SUPPLY TEMPERATURE SETPOINT SHALL BE 130°F.

PRIMARY HOT WATER SUPPLY TEMPERATURE ALARM SHALL BE PROVIDED AS FOLLOWS:
- HIGH PRIMARY HOT WATER SUPPLY TEMPERATURE: PRIMARY HOT WATER SUPPLY TEMPERATURE IS GREATER THAN 160°F (ADJ.).
- LOW PRIMARY HOT WATER SUPPLY TEMPERATURE: PRIMARY HOT WATER SUPPLY TEMPERATURE IS LOWER THAN 80°F (ADJ.).

THE LEAD BOILER SHALL ROTATE ON THE 1ST AND 15TH OF EACH MONTH.

BOILER ALARMS SHALL BE PROVIDED AS FOLLOWS:
- FAILURE: COMMANDED ON BUT THE STATUS IS OFF.
- RUNNING IN HAND: COMMANDED OFF BUT THE STATUS IS ON.
- RUNTIME EXCEEDED: STATUS RUNTIME EXCEEDS A USER DEFINABLE LIMIT.
- HIGH SUPPLY TEMP: BOILER X SUPPLY TEMPERATURE IS GREATER THAN 200°F (ADJ.).

SECONDARY HOT WATER DISTRIBUTION PUMP LEAD/STANDBY OPERATION:
THE TWO SECONDARY HEATING PUMPS SHALL OPERATE IN A LEAD/STANDBY MANNER. THE LEAD PUMP SHALL START WHEN THE HEATING SYSTEM IS ENABLED. UPON FAILURE OF THE LEAD PUMP, THE STANDBY PUMP SHALL RUN AND THE LEAD PUMP TURN OFF. AN ALARM WILL BE REPORTED AT THE SUPERVISORY CONTROLLER.
THE LEAD PUMP SHALL ROTATE ON THE 1ST AND 16TH OF EACH MONTH.

SECONDARY HOT WATER DISTRIBUTION PUMP SPEED:
SECONDARY PUMPS OPERATE IN A LEAD/STANDBY FASHION TO MAINTAIN DIFFERENTIAL PRESSURE SETPOINT VIA SPEED CONTROL BY ASSOCIATED VFD.

SECONDARY HOT WATER DISTRIBUTION PUMP ALARMS SHALL BE PROVIDED AS FOLLOWS:
- FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
- RUNNING IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.
- RUNTIME EXCEEDED: STATUS RUNTIME EXCEEDS A USER DEFINABLE LIMIT.

BOILER CIRCULATION PUMPS:
THE FOLLOWING SHALL APPLY TO ALL FOUR (4) BOILER CIRCULATION PUMPS IN THE SYSTEM. BOILER CIRCULATION PUMPS SHALL BE CONTROLLED BY THE BOILER. BOILER CIRCULATION PUMP X SHALL RUN ANYTIME BOILER X IS CALLED TO RUN AND SHALL HAVE A USER DEFINABLE DELAY (ADJ.) ON STOP.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- BOILER CIRCULATION PUMP X FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
- BOILER CIRCULATION PUMP X RUNNING IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.
- BOILER CIRCULATION PUMP X RUNTIME EXCEEDED: STATUS RUNTIME EXCEEDS A USER-DEFINABLE LIMIT.

EMERGENCY GAS SHUTOFF MONITORING:
THE BAS SHALL MONITOR THE EMERGENCY GAS SHUTOFF. UPON ACTIVATION, BOILERS SHALL BE DISABLED.

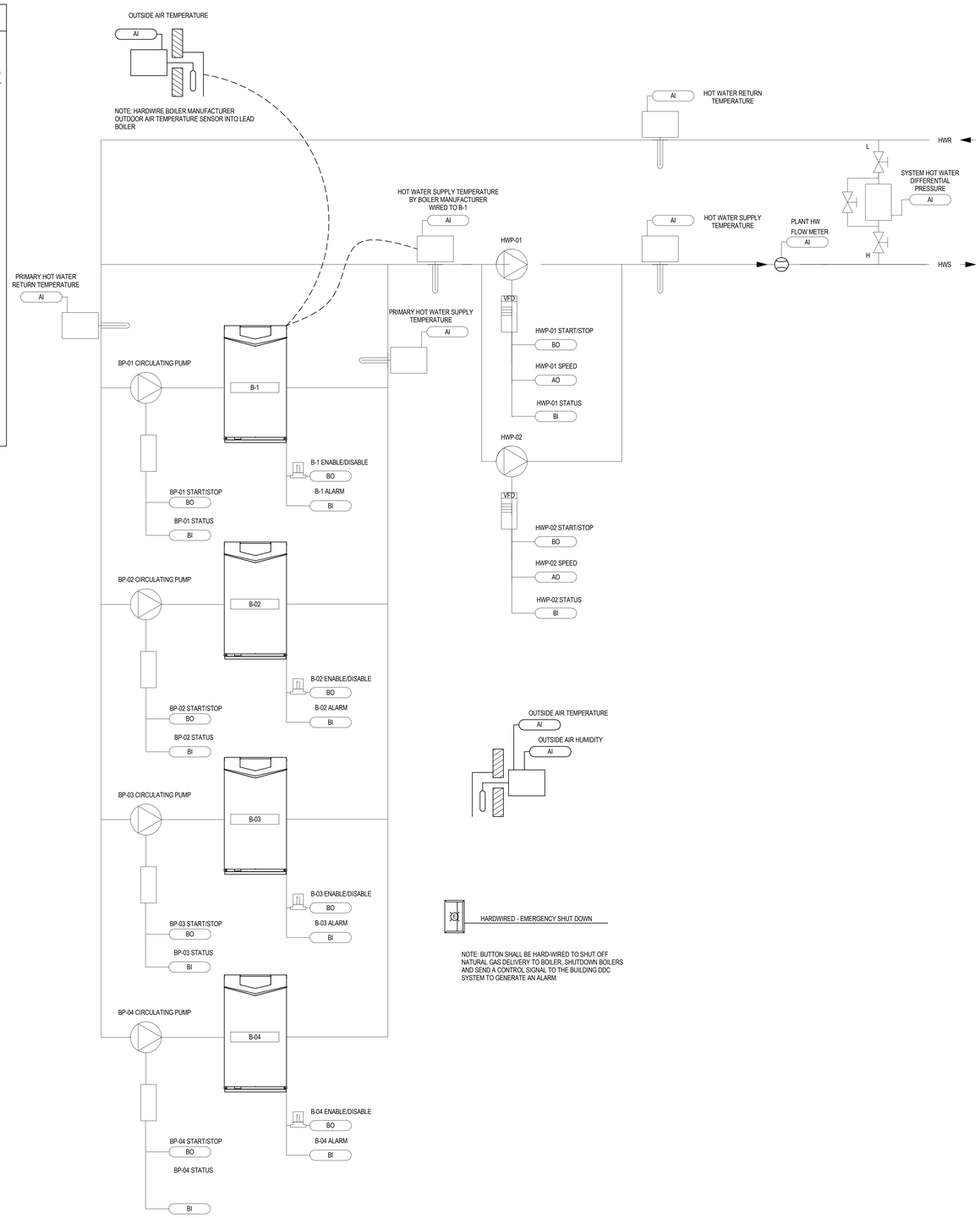
HOT WATER SUPPLY TEMPERATURE MONITORING:
- HOT WATER SUPPLY.
- HOT WATER RETURN.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HEATING HOT WATER SUPPLY +/- 10°F FROM SETPOINT FOR MORE THAN 75 MINUTES.
- EMERGENCY GAS SHUTOFF.

FREEZE PROTECTION:
WHEN THE OUTDOOR AIR TEMPERATURE FALLS BELOW 35.0°F (ADJ.), THE HOT WATER DISTRIBUTION PUMP SHALL OPERATE CONTINUOUSLY TO PROVIDE HOT WATER CIRCULATION TO ALL ASSOCIATED HOT WATER COILS.

BOILER POINTS LIST

	HARDWARE POINTS				SOFTWARE POINTS						
POINT NAME	AI	AO	BI	BO	AV	BV	LOOP	SCHED	TREND	ALARM	SHOW ON GRAPHIC
PLANT HOT WATER FLOW METER	X								X	X	X
PRIMARY HOT WATER RETURN TEMP	X								X	X	X
PRIMARY HOT WATER SUPPLY TEMP	X								X	X	X
HOT WATER RETURN TEMP	X								X		X
HOT WATER SUPPLY TEMP	X								X		X
SYSTEM HOT WATER DIFFERENTIAL PRESSURE	X								X		X
HOT WATER SUPPLY TEMP SETPOINT		X							X		
BOILER 1 ENABLE				X					X		X
BOILER 1 STATUS			X						X		X
BOILER 2 STATUS			X						X		X
BOILER 3 STATUS			X						X		X
BOILER 4 STATUS			X						X		X
CIRCULATION PUMP 1 STATUS			X						X		X
CIRCULATION PUMP 2 STATUS			X						X		X
CIRCULATION PUMP 3 STATUS			X						X		X
CIRCULATION PUMP 4 STATUS			X						X		X
CIRCULATION PUMP 1 START/STOP				X					X		X
CIRCULATION PUMP 2 START/STOP				X					X		X
CIRCULATION PUMP 3 START/STOP				X					X		X
CIRCULATION PUMP 4 START/STOP				X					X		X
HOT WATER PUMP 1 STATUS			X						X		X
HOT WATER PUMP 2 STATUS			X						X		X
HOT WATER PUMP 1 SPEED		X							X		X
HOT WATER PUMP 2 SPEED		X							X		X
HOT WATER PUMP 1 START/STOP				X					X		X
HOT WATER PUMP 2 START/STOP				X					X		X
OUTSIDE AIR TEMP	X										X
SYSTEM HOT WATER DIFFERENTIAL PRESSURE SETPOINT					X						X
BOILER 1 FAILURE										X	
BOILER 1 HIGH HOT WATER SUPPLY TEMP										X	
BOILER 1 RUNNING IN HAND										X	
BOILER 1 RUNTIME EXCEEDED										X	
BOILER 2 FAILURE										X	
BOILER 2 HIGH HOT WATER SUPPLY TEMP										X	
BOILER 2 RUNNING IN HAND										X	
BOILER 2 RUNTIME EXCEEDED										X	
BOILER 3 FAILURE										X	
BOILER 3 HIGH HOT WATER SUPPLY TEMP										X	
BOILER 3 RUNNING IN HAND										X	
BOILER 3 RUNTIME EXCEEDED										X	
BOILER 4 FAILURE										X	
BOILER 4 HIGH HOT WATER SUPPLY TEMP										X	
BOILER 4 RUNNING IN HAND										X	
BOILER 4 RUNTIME EXCEEDED										X	
CIRCULATION PUMP 1 FAILURE										X	
CIRCULATION PUMP 1 RUNNING IN HAND										X	
CIRCULATION PUMP 1 RUNTIME EXCEEDED										X	
CIRCULATION PUMP 2 FAILURE										X	
CIRCULATION PUMP 2 RUNNING IN HAND										X	
CIRCULATION PUMP 2 RUNTIME EXCEEDED										X	
CIRCULATION PUMP 3 FAILURE										X	
CIRCULATION PUMP 3 RUNNING IN HAND										X	
CIRCULATION PUMP 3 RUNTIME EXCEEDED										X	
CIRCULATION PUMP 4 FAILURE										X	
CIRCULATION PUMP 4 RUNNING IN HAND										X	
CIRCULATION PUMP 4 RUNTIME EXCEEDED										X	
HIGH PRIMARY HOT WATER SUPPLY TEMP										X	
HOT WATER PUMP 1 FAILURE										X	
HOT WATER PUMP 1 RUNNING IN HAND										X	
HOT WATER PUMP 1 RUNTIME EXCEEDED										X	
HOT WATER PUMP 2 FAILURE										X	
HOT WATER PUMP 2 RUNNING IN HAND										X	
HOT WATER PUMP 2 RUNTIME EXCEEDED										X	
HIGH HOT WATER SUPPLY TEMP										X	
LOW HOT WATER SUPPLY TEMP										X	



HARDWIRED - EMERGENCY SHUT DOWN

NOTE: BUTTON SHALL BE HARD-WIRED TO SHUT OFF NATURAL GAS DELIVERY TO BOILER. SHUTDOWN BOILERS AND SEND A CONTROL SIGNAL TO THE BUILDING DDC SYSTEM TO GENERATE AN ALARM.

1 / M-805 **BOILER SYSTEM CONTROL DIAGRAM AND SEQUENCE**
NOT TO SCALE

ALL DRAWINGS, DESCRIPTION AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY DESTROYED ON THE REQUEST OF MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. ALL PROVISIONS, RESTRICTIONS AND RESERVATIONS CONTAINED IN THIS NOTICE SHALL BE BINDING ON ALL USERS, SUCCESSORS AND ASSIGNS OF THE OWNER.
© COPYRIGHT 2026 MCMILLAN PAZDAN SMITH ARCHITECTURE
ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: WTB
DRAWN BY: WTB

SHEET TITLE:
MECHANICAL CONTROLS

SHEET NO. M-805
PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

PLUMBING FIXTURE SCHEDULE

DRAWING CODE	FIXTURE		DESCRIPTION	MANUFACTURER	MODEL	ALTERNATE APPROVED MANUFACTURERS	NOTES	PIPE SIZE DCW	DHW	WASTE	VENT
WC1	FLUSH VALVE WATER CLOSET, FLOOR MTD., 1.6GPF, ADA	BOWL	16.5" HIGH BOWL, ELONGATED, V.C., 2-1/8" TRAPWAY; TOP SPUD; MADERA	AMERICAN...	3043.001	ZURN, KOHLER	6	1"	-	4"	2"
		FLUSH VALVE	11.5" HIGH, 1.6GPF	SLOAN	111-1.6 YBC	ZURN, TEC					
		SEAT	OFLC w/ SELF-SUSTAINING S.S. CHECK HINGE; HEIGHT 17-19" AFF	CHURCH	295SSCT	BEMIS, OLSONITE					
WC2	FLUSH VALVE WATER CLOSET, FLOOR MTD, 1.6GPF	BOWL	15" HIGH BOWL, ELONGATED, V.C., 2-1/8" TRAPWAY; TOP SPUD; MADERA	AMERICAN...	2234.001	ZURN, CRANE		1"	-	4"	2"
		FLUSH VALVE	16" HIGH, 1.6GPF	SLOAN	113-1.6	ZURN, TEC					
		SEAT	OFLC w/ SELF-SUSTAINING S.S. CHECK HINGE	CHURCH	295SSCT	BEMIS, OLSONITE					
UR1	URINAL WALL HUNG, 0.5GPF ADA	BOWL	VITREOUS CHINA, WASHOUT, ELONGATED RIM MTD. 17 A.F.F. MAX., 3/4"TOP SPUD	AMERICAN...	6550.001	ZURN, KOHLER	1	3/4"	-	2"	2"
		FLUSH VALVE	11.5 HIGH	SLOAN	186-0.5	ZURN, TEC					
LAV1	LAVATORY WALL HUNG, 0.5GPM, ADA	BOWL	20x18 VITREOUS CHINA, RIM 34" AFF MAX.	KOHLER	K-2005	AMERICAN STANDARD,...	1,2,3,8	1/2"	1/2"	2"	2"
		FAUCET	4" CENTERSET, SINGLE LEVER HANDLE, SOLID BRASS CONSTRUCTION, CERAMIC CARTRIDGE, HIGH TEMP LIMIT STOP	MOEN	8413F05	ZURN, DELTA					
		DRAIN	CAST BRASS, CHROME PLATED, OPEN GRID STRAINER P.O. PLUG WITH BRASS TAILPIECE	MCGUIRE	155A	DEARBORN, DELTA					
		MIXING VALVE	LEAD FREE THERMOSTATIC MIXING VALVE - SETPOINT = 105%%DF INSTALL ON HOT WATER SUPPLY, ASSE 1070	CASH ACME	HG-135	LEONARD, WATTS					
LAV2	UNDERMOUNT LAVATORY,1.2GPM, ADA	BOWL	23-1/4" RECTANGULAR BASIN, VITREOUS CHINA	KOHLER	K-2215	AMERICAN STANDARD,...	2,4,5,8	1/2"	1/2"	2"	2"
		FAUCET	WIDESPREAD DECK MOUNT, METAL CONSTRUCTION, METAL GRID DRAIN, LEVER HANDLES	MOEN	8924	ZURN, DELTA					
		DRAIN	CAST BRASS, CHROME PLATED, OPEN GRID STRAINER P.O. PLUG WITH BRASS TAILPIECE	MCGUIRE	155A	DEARBORN, DELTA					
		MIXING VALVE	LEAD FREE THERMOSTATIC MIXING VALVE - SETPOINT = 105%%DF INSTALL ON HOT WATER SUPPLY, ASSE 1070	CASH ACME	HG-135	LEONARD, WATTS					
LAV3	COUNTERTOP LAVATORY, 0.5GPM	BOWL	20-1/4" OVAL DROP-IN, VITREOUS CHINA BOWL WITH OVERFLOW DRAIN	KOHLER	K-2196-4	AMERICAN STANDARD,...	2,4,8	1/2"	1/2"	2"	2"
		FAUCET	4" CENTERSET, SINGLE LEVER HANDLE, SOLID BRASS CONSTRUCTION, CERAMIC CARTRIDGE, HIGH TEMP LIMIT STOP	MOEN	8413F05	ZURN, DELTA					
		DRAIN	CAST BRASS, CHROME PLATED, OPEN GRID STRAINER P.O. PLUG WITH BRASS TAILPIECE	MCGUIRE	155A	DEARBORN, DELTA					
		MIXING VALVE	LEAD FREE THERMOSTATIC MIXING VALVE - SETPOINT = 105%%DF INSTALL ON HOT WATER SUPPLY, ASSE 1070	CASH ACME	HG-135	LEONARD, WATTS					
SK1	1-COMPARTMENT SINK, ADA	BOWL	19-1/2"x22"x6-1/2", 18GA STAINLESS STEEL, SINGLE BOWL DROP-IN SINK	ELKAY	LRAD202265	JUST, ACORN	2,4,5,8	1/2"	1/2"	2"	2"
		FAUCET	BRASS CONSTRUCTION, CHROME PLATED FINISH, 4"CENTERSET, 3-5/8" SPOUT REACH, 4"WRIST BLADE HANDLES, VANDAL RESISTANT, 1.5GPM	MOEN	8278SMF15	DELTA, ZURN					
		MIXING VALVE	LEAD FREE THERMOSTATIC MIXING VALVE - SETPOINT = 105%%DF INSTALL ON HOT WATER SUPPLY, ASSE 1070	CASH ACME	HG-135	LEONARD, WATTS					
		DRAIN	WROUGHT BRASS CHROME PLATED STRAINER, BRASS TAILPIECE	MCGUIRE	152N	ZURN, MOEN					
SK2	1-COMPARTMENT COUNTERTOP SINK, ADA	BOWL	19"x18"x5-1/2", 18 GA STAINLESS STEEL, 34"A.F.F. MAX.	ELKAY	LRAD191855	JUST, ACORN	2,4,5,8	1/2"	1/2"	2"	2"
		FAUCET	180º SWING SPOUT, SINGLE LEVER HANDLE, 3 HOLE, 1.5GPM, SOLID BRASS CONSTRUCTION, CHROME FINISH	MOEN	8701	DELTA, ZURN					
		MIXING VALVE	LEAD FREE THERMOSTATIC MIXING VALVE - SETPOINT = 105%%DF INSTALL ON HOT WATER SUPPLY, ASSE 1070	CASH ACME	HG-135	LEONARD, WATTS					
		DRAIN	STAINLESS STEEL BASKET STRAINER, BRASS TAILPIECE	MCGUIRE	151A	ZURN, MOEN					
SK3	1-COMPARTMENT COUNTERTOP SINK, ADA	BOWL	22"x22"x5-1/2", 18GA. STAINLESS STEEL, 34" A.F.F. MAX	ELKAY	LRAD222255	JUST, ACORN	2,4,5,8	1/2"	1/2"	2"	2"
		FAUCET	BRASS CONSTRUCTION, CHROME PLATED FINISH, 4"CENTERSET, 3-5/8" SPOUT REACH, 4"WRIST BLADE HANDLES, VAND...	MOEN	8278SMF15	DELTA, ZURN					
		MIXING VALVE	LEAD FREE THERMOSTATIC MIXING VALVE - SETPOINT = 105%%DF INSTALL ON HOT WATER SUPPLY, ASSE 1070	CASH ACME	HG-135	LEONARD, WATTS					
		DRAIN	STAINLESS STEEL BASKET STRAINER, BRASS TAILPIECE	MCGUIRE	151A	ZURN, MOEN					
SK4	WALL MOUNT HAND SINK	BOWL	17"x15" SINGLE BOWL, 20GA. STAINLESS STEEL	ADVANCE TABCO	7-PS-54	T&S BRASS, ELKAY	1,2,3,8	1/2"	1/2"	2"	2"
		FAUCET	DECK MOUNT GOOSENECK WITH WRISTBLADE HANDLES	INCLUDED	-	-					
		DRAIN	CAST BRASS TAILPIECE, P-TRAP	INCLUDED	-	-					
SK5	1-COMPARTMENT COUNTERTOP SINK, ADA	BOWL	31x22x6.5, 18 GA S.S., SINGLE BOWL DROP-IN SINK	ELKAY	LRAD312265	JUST, ACORN	2,4,5,8	1/2"	1/2"	2"	2"
		FAUCET	180º SWING SPOUT, SINGLE LEVER HANDLE, 3 HOLE, 1.5GPM, SOLID BRASS CONSTRUCTION, CHROME FINISH	MOEN	8701	DELTA, ZURN					
		MIXING VALVE	LEAD FREE THERMOSTATIC MIXING VALVE - SETPOINT = 105%%DF INSTALL ON HOT WATER SUPPLY, ASSE 1070	CASH ACME	HG-135	LEONARD, WATTS					
		DRAIN	STAINLESS STEEL BASKET STRAINER, BRASS TAILPIECE	MCGUIRE	151A	ZURN, MOEN					
SK6	1-COMPARTMENT UNDERMOUNT SINK	BOWL	31-1/2"x18-1/2"x9", 18 GAUGAE TYPE 304 STAINLESS STEEL	ELKAY	ECTRU30179R...	JUST, ACORN	2,4,5,8	1/2"	1/2"	2"	2"
		FAUCET	180º SWING SPOUT, SINGLE LEVER HANDLE, 3 HOLE, 1.5GPM, SOLID BRASS CONSTRUCTION, CHROME FINISH	MOEN	8701	DELTA, ZURN					
		MIXING VALVE	LEAD FREE THERMOSTATIC MIXING VALVE - SETPOINT = 105%%DF INSTALL ON HOT WATER SUPPLY, ASSE 1070	CASH ACME	HG-135	LEONARD, WATTS					
		DRAIN	STAINLESS STEEL BASKET STRAINER, BRASS TAILPIECE	MCGUIRE	151A	ZURN, MOEN					
MS1	MOP SINK	BASIN	24"x24"x10" MOLDED STONE w/ STAINLESS STEEL DRAIN	FIAT	MSB-2424	FLORESTONE, ZURN		1/2"	1/2"	3"	2"
		FAUCET	BRASS CONSTRUCTION, ROUGH CHROME FINISH, INTEGRAL VACUUM BREAKER, INTEGRAL CHECK STOPS, 3/4"THREADED SPOUT, SERVICE STOPS, WALL MOUNT, VANDAL RESISTANT, LEVER HANDLES	MOEN	8124	DELTA, ZURN					
		ACCESSORIES	STAINLESS STEEL, THREE STATION MOP/BROOM HOLDER	MOEN	8198	-					
		ACCESSORIES	STAINLESS STEEL, HOSE BRACKET WITH 30" HEAVY DUTY RUBBER HOSE, GHT THREADED CONNECTION	MOEN	8199	DELTA, ZURN					
SS1	SERVICE SINK	SINK	20"x17"x13" FLOOR MOUNTED MOLDED STONE	FIAT	FL-1	MUSTEE, ZURN		1/2"	1/2"	3"	2"
		FAUCET	METAL CONSTRUCTION WITH CHROME PLATED FINISH, LEVER HANDLES, 4-INCH CENTERS	MOEN	74998	DELTA, ZURN					
		ACCESSORIES	CAST IRON P-TRAP STANDARD TO WALL AND STRAINER FOR 3" IRON PIPE	AMERICAN...	7798.03	KOHLER, ZURN					
SH1	PREFAB TRANSFER SHOWER, ADA	ENCLOSURE	36x36 ACRYLIC- 1/2" CURB MAX. w/ GRAB BARS, FOLD-UP SEAT, CENTER DRAIN, CURTAIN ROD AND SHOWER CURTAIN	AQUATIC	3636BFS	ACRYLINE, AQUARIUS		1/2"	1/2"	2"	2"
		VALVE	PRESS. BALANCED MIXING VALVE, LEVER HANDLE, DIVERTER, HEAD W/ ARM, FLANGE, WALL/HAND SHOWER, FLEXIBLE METAL HOSE, IN-LINE VAC. BREAKER, 30"SLIDE BAR, 1.5GPM	MOEN	8342EP15	DELTA, SYMMONS					
		DRAIN	4-3/8" DIA. NICKEL BRONZE STRAINER, PVC	SIOUX CHIEF	821	SMITH, ZURN					
SH2	PREFAB ROLL-IN SHOWER, 60"x36", ADA	ENCLOSURE	60"x36" ACRYLIC-1/2"CURB MAX w/ GRAB BARS, FOLD-UP SEAT, CENTER DRAIN, CURTAIN ROD AND SHOWER CURTAIN	AQUATIC	6036CFS	ACRYLINE, AQUARIUS		1/2"	1/2"	2"	2"
		VALVE	PRESS. BALANCED MIXING VALVE, LEVER HANDLE, DIVERTER, HEAD W/ ARM, FLANGE, WALL/HAND SHOWER, FLEXIBLE METAL HOSE, IN-LINE VAC. BREAKER, 30"SLIDE BAR, 1.5GPM	MOEN	8342EP15	DELTA, SYMMONS					
		DRAIN	4-3/8" DIA. NICKEL BRONZE STRAINER, PVC	SIOUX CHIEF	821	SMITH, ZURN					
EWC1	WALL MOUNTED BI-LEVEL WATER COOLER/BOTTLE FILLER, ADA	FIXT	WALL MOUNTED, OVAL BOWL, STAINLESS STEEL, BI-LEVEL WATER COOLER/BOTTLE FILLING STATION, 7.5GPH@50/90/80, FRONT PUSHBAR, SPOUT OUTLET 42"A.F.F., WITH FILTER	ELKAY	LZWS-LRPBM28K	ELKAY, OASIS		1/2"	-	2"	2"
		CARRIER	MOUNTING FRAME FOR BI-LEVEL, IN-WALL REFRIGERATED COOLERS	ELKAY	MFSW110						
BF1	BOTTLE FILLER	FIXT	IN WALL BOTTLE FILLING STATION WITH MOUNTING FRAME, FILTERED, NON-REFRIGERATED, STAINLESS. 115V/1/60.	ELKAY	LZWSMDK	HALSEY-TAYLOR, HAWS					
FD1	FLOOR DRAIN	FIXT	FINISHLINE ADJUSTABLE, SCH. 40 HUB CONNECTION, ABS/PVC BASE ADAPTER, SQUARE, NICKEL BRONZE STRAINER, TRAP PRIMER CONNECTION	SIOUX CHIEF	832	ZURN, SMITH	7	-	-	MATCH	-
FD2	FLOOR DRAIN	FIXT	LARGE CAPACITY FLOOR DRAIN WITH ROUND TOP, COATED CAST IRON BODY, TRAP PRIMER PORT, CLAMPLING COLLAR, VANDAL-RESISTANT GRATE	SIOUX CHIEF	860	ZURN, SMITH	7	-	-	MATCH	-
FS1	FLOOR SINK	FIXT	8x8x6 A.R.C.I. RECEPTOR, MEMBRANE CLAMP, DOME STRAINER, 1/2 GRATE	SIOUX CHIEF	861	ZURN, SMITH		-	-	MATCH	-
RD1	COMBINATION PRIMARY/OVERFLOW...	FIXT	15" DIAMETER COMBINATION MAIN/OVERFLOW ROOF DRAIN. ENAMEL COATED CAST IRON BODY, GRAVEL GUARD AND DOME STRAINER, DECK CLAMP	ZURN	Z163	SIOUX CHIEF, SMITH		-	-	MATCH	
RD2	ROOF DRAIN	FIXT	15" DIAMETER ROOF DRAIN. ENAMEL COATED CAST IRON BODY, GRAVEL GUARD AND DOME STRAINER, DECK CLAMP	ZURN	Z100	SIOUX CHIEF, SMITH		-	-	MATCH	
GI	GREASE INTERCEPTOR	FIXT	1000 GALLON CONCRETE	OLDCASTLE	-	LINDSAY, SHOAF		-	-	MATCH	-
HB1	INTERIOR HOSE BIBB	FIXT	POLISHED CHROME, VACUUM BREAKER, WHEEL HANDLE, 3/4" HOSE THREAD	WOODFORD	24	JR SMITH, MURDOCK		3/4"	-	-	-
WH1	WALL HYDRANT	FIXT	CHROME PLATED BRASS, ANTI-SIPHON, VACUUM BREAKER, REMOVABLE TEE HANDLE, 3/4" HOSE THREAD	WOODFORD	65	ZURN, WATTS		3/4"	-	-	-
RH1	ROOF HYDRANT	FIXT	FREEZELESS, ANTI-SIPHON, VACUUM BREAKER, 3/4" HOSE THREAD	WOODFORD	SRH	ZURN, WATTS		1"	-	1/8"	-

NOTES
1. PROVIDE MATCHING CAST IRON AND STEEL FLOOR SUPPORT CARRIER WITH BEARING PLATE AND WALL HANGER.
2. PROVIDE BRASS 1-1/2" TAILPIECE, CAST BRASS SLIP JOINT P-TRAP WITH CLEANOUT; PROVIDE ADA OFFSET ARRANGEMENT WHERE REQUIRED.
3. PROVIDE ADA INSULATION KIT
4. COORDINATE WITH MILLWORK.
5. COORDINATE ADA MILLWORK ENCLOSURE FOR WATER AND DRAIN PIPING UNDER SINK.
6. TRIP LEVER OR FLUSH HANDLE TO BE LOCATED ON WIDE SIDE OF STALL OR TOILET ROOM.
7. PROVIDE TRAP PRIMER
8. PROVIDE 1/2" IPS X 3/8" OD ANGLE BRASS STOP(S) WITH RIGID COPPER RISERS. ALL EXPOSED PIPING SHALL BE CHROME PLATED.
9. PROVIDE INLINE CHECK VALVES FOR WATER SUPPLY LINES.
10. PROVIDE 1/2"IPS x 3/8" O.D. BRASS STOP CONCEALED BEHIND CABINET.

PIPING ACCESSORY SCHEDULE

DRAWING CODE	ACCESSORY	DESCRIPTION	MANUFACTURER	MODEL	ALTERNATE APPROVED MANUFACTURERS
FCO	FLOOR CLEANOUT	4"SCH. 40 HUB, PVC BASE ADAPTER, ROUND NICKEL-BRONZE COVER, VANDAL RESISTANT...	SIOUX CHIEF	834-4PNRV	ZURN, SMITH
GCO	GRADE CLEANOUT	4"SCH. 40 HUB, PVC BASE ADAPTER, ROUND NICKEL-BRONZE COVER, VANDAL RESISTANT...	SIOUX CHIEF	851-44NV	ZURN, SMITH
WCO	WALL CLEANOUT	ROUND S/S ACCESS COVER & SCREW, RECESS BRONZE THRD. PLUG	SIOUX CHIEF	870	ZURN, SMITH
OB1	OUTLET BOX	ABS HOUSING, 1/4 TURN BALL VALVE, CHROME PLATED BRASS, SHOCK ARRESTORS	SIOUX CHIEF	696	OATEY, IPS
OB2	WASHER CONNECTION BOX	FIRE RATED ABS HOUSING, 1/4 TURN BALL VALVE, CHROME PLATED BRASS, SHOCK...	SIOUX CHIEF	696R	OATEY, IPS
RPZ	BACKFLOW PREVENTER	REDUCED PRESS. ZONE TYPE, LEAD FREE	WATTS	LF009	FEBCO, WILKINS
DSP1	DOWNSPOUT NOZZLE	CAST NICKEL-BRONZE WALL MOUNT WITH MOUNTING FLANGE	ZURN	ZF199-CHAMELE...	SIOUX CHIEF, SMITH
MX1	TEMPERING VALVE	LEAD FREE THERMOSTATIC MIXING VALVE - SETPOINT = 105%%DF INSTALL ON HOT WATER...	CASH ACME	HG-135	WATTS, LEONARD
ET1	THERMAL EXPANSION TANKS	HEAVY DUTY BUTYI NSF/ANSI 61 DIAPHRAGM, 16.5 GAL COMPACITY, 3/4" CONNECTION, 200°F MAXIMUM OPERATING TEMPERATURE, 150 PSIG MAXIMUM WORKING PRESSUER, 0.68 ACCEP...	AMTROL	ST-30VC-DD	WATTS, LEONARD, CASH ACME
TMV1	THERMOSTATIC MIXING VALVE	THERMOSTATIC MIXING VALVE WITH THERMOMETER AND SHUT OFF VALVE	LAWLER	802	WATTS, LEONARD

PUMP SCHEDULE

DRAWING CODE	DESCRIPTION	MANUFACTURER	MODEL	FLOW GPM@FT. HD	MOTOR (WATTS)	MOTOR (HP)	POWER (V/PH/HZ)	PIPE CONNECTION (INCHES)	NOTES
CP1	DOMESTIC HOT WATER CIRCULATION, IN-LINE WET ROTOR, STAINLESS STEEL VOLUTE, 3-SPEED, BUILT IN THERMAL PROTECTION.	B&G	ECOCIRC XL 36-45	15@25FT	-	1/6	115/1/60	1"	1,2
SP1	SUBMERSIBLE WITH FLOAT SWITCH CONTROL	STANCOR	SE-50	50 @ 20FT	-	1/2	115/1/60	2"	3
SP2	SUBMERSIBLE WITH FLOAT SWITCH CONTROL	STANCOR	SE-50	50 @ 20FT	-	1/2	115/1/60	2"	3

NOTES:
1. PROVIDE AQUASTAT AND DIGITIAL TIMER FOR CONTROLS
2. ALTERNATE APPROVED MANUFACTURERS- GRUNDFOS, TACO
3. TRACTION MINDER SYSTEM WITH SIMPLEX CONTROL PANEL, STANDARD ALARM PACKAGE

GAS-FIRED STORAGE TANK WATER HEATER SCHEDULE

DRAWING CODE	DESCRIPTION	MANUFACTURER -...	ALTERNATE APPROVED...	PIPE SIZE DCW	DHW	GAS	RECOVERY (GPH) @ 100°F RISE	FUEL SOURCE	GAS INPUT BTHU	ELECTRICAL VOLTAGE	PHASE	Hz.	AMPS	NOTES
GWH1	100 GALLON CONDENSING, MODULATING BURNER	A.O. SMITH - BTH-199A	BRADFORD-WHITE, STATE	1-1/2"	1-1/2"	3/4"	235	NATURAL/PROPANE	199,900	120	1	60	5	1-5
GWH2	100 GALLON CONDENSING, MODULATING BURNER	A.O. SMITH - BTH-199A	BRADFORD-WHITE, STATE	1-1/2"	1-1/2"	3/4"	235	NATURAL/PROPANE	199,900	120	1	60	5	1-5

NOTES:
1. MINIMUM GAS INLET FLOW PRESSURE 3.5"W.C. MAXIMUM STATIC PRESSURE 14.0"W.C.
2. PROVIDE CONDENSATE NEUTRALIZATION KIT.
3. PROVIDE 5-1/2" THICK CONCRETE HOUSEKEEPING PAD.
4. VENT WATER HEATER IN ACCORDANCE WITH MANUFACTURERS WRITTEN INSTALLATION MANUAL
5. TEMPERATURE SETPOINT 140°F

PLUMBING ABBREVIATIONS

(X)	EXISTING
AAV	AIR ADMITTANCE VALVE
A.F.F.	ABOVE FINISHED FLOOR
A.R.C.I.	ACID RESISTANT CAST IRON
ADA	AMERICANS WITH DISABILITIES ACT
BRZ.	BRONZE
BT	BATHTUB
BV	BALL VALVE
C.I.	CAST IRON
CO	CLEANOUT
CONC.	CONCRETE
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
DIA.	DIAMETER
E.C.I.	ENAMELED CAST IRON
EC	ELECTRICAL CONTRACTOR
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FS	FLOOR SINK
GA.	GAUGE
GAL.	GALLON
GC	GENERAL CONTRACTOR
GCO	GRADE CLEANOUT
GPF	GALLONS PER FLUSH
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GWH	GAS-FIRED WATER HEATER
HB	HOSE BIBB
INCL.	INCLUDED
KS	KITCHEN SINK
LAV	LAVATORY
LP	LIQUID PROPANE
MS	MOP SERVICE BASIN
NAT.	NATURAL GAS
NKL.	NICKEL
NON SIMULT.	NON SIMULTANEOUS
O.F.L.C.	OPEN FRONT LESS COVER
OB	OUTLET BOX
OC	ON CENTER
ORDL	OVERFLOW ROOF DRAIN LEADER
PC	PLUMBING CONTRACTOR
PRESS. BAL.	PRESSURE BALANCED
RCVY.	RECOVERY
RDL	ROOF DRAIN LEADER
SA	WATER HAMMER ARRESTOR
SH	SHOWER
SK	SINK
SLD.	SLIDE
SS	STAINLESS STEEL
TDH	TOTAL DYNAMIC HEAD
UR	URINAL
V	VENT
VB	VACUUM BREAKER
VC	VITREOUS CHINA
VR	VANDAL RESISTANT
VTR	VENT THROUGH ROOF
W	WASTE
WC	WATER CLOSET
WCO	WALL CLEANOUT
WH	WALL HYDRANT

NOTE: ALL ABBREVIATIONS MAY NOT BE USED IN PROJECT.

PLUMBING LEGEND

	COMPRESSED AIR PIPING
	CONDENSATE PIPING
	DOMESTIC 140°F WATER PIPING
	DOMESTIC 140°F RETURN WATER PIPING
	DOMESTIC COLD WATER PIPING
	DOMESTIC HOT WATER CIRCULATION PIPING
	DOMESTIC HOT WATER PIPING
	FILTERED WATER PIPING
	FIRE SPRINKLER PIPING
	FORCE MAIN PIPING
	NATURAL GAS PIPING
	LP GAS PIPING
	GREASE WASTE PIPING
	MEDICAL COMPRESSED AIR PIPING
	NITROUS OXIDE PIPING
	O2 (0XYGEN) PIPING
	OVERFLOW ROOF DRAIN PIPING
	ROOF DRAIN PIPING
	STORM DRAIN PIPING
	SANITARY VENT PIPING
	SANITARY WASTE PIPING
	TEPID WATER PIPING
	TRAP PRIMER PIPING
	VACUUM PIPING
	NON-POTABLE WATER
	BACKFLOW PREVENTION DEVICE
	BALL VALVE
	CHECK VALVE
	CIRCUIT SETTER (BALANCING VALVE)
	CIRCULATION PUMP
	CONTROL VALVE
	EXTENT OF DEMOLITION
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FS	FLOOR SINK
	GAS-REGULATOR VALVE
	GATE VALVE
	GATE VALVE IN RISER
GCO	GRADE CLEANOUT
HB	HOSE BIBB
	PIPE CAP
	PIPE ELBOW
	PIPE ELBOW DOWN
	PIPE ELBOW UP
	PIPE TEE
	PIPE TEE DOWN
	PIPE TEE UP
SP	SUMP PUMP
	DEMOLITION KEYED NOTE TAG
	HATCHING INDICATES ITEMS TO BE DEMOLISHED
	NEW WORK KEYED NOTE
	POINT OF CONNECTION - NEW TO EXISTING
	PRESSURE REDUCING VALVE
	SOLENOID VALVE
	THERMOSTATIC MIXING VALVE
WCO	WALL CLEANOUT
WH	WALL HYDRANT
	WASHING MACHINE BOX
"X"	WATER HAMMER ARRESTOR

NOTE: ALL ITEMS LISTED IN THIS SCHEDULE MAY NOT BE USED IN PROJECT

GENERAL DRAWING NOTES

1. SCOPE OF WORK: THESE DRAWINGS AND ACCOMPANYING SPECIFICATIONS DESCRIBE SCOPE OF WORK REQUIRED FOR PLUMBING SYSTEMS. LABOR AND MATERIAL SHALL BE PROVIDED AS REQUIRED FOR A COMPLETE, WORKMANLIKE INSTALLATION OF ALL SYSTEMS SHOWN ON DIAGRAMMATIC DRAWINGS AND/OR AS SPECIFIED HEREIN.

2. CONTRACTOR: THE WORD "CONTRACTOR", "PLUMBING CONTRACTOR", AND "P.C." AS USED HEREIN SHALL MEAN THE PLUMBING INSTALLER UNLESS OTHERWISE QUALIFIED.

3. DRAWINGS: DRAWINGS ARE DIAGRAMMATIC AND MAY NOT COMPLETELY DESCRIBE EVERY DETAIL OF THE INSTALLATION. HOWEVER, CONTRACTOR IS RESPONSIBLE FOR FURNISHING COMPLETE SYSTEMS INCLUDING ALL REQUIRED EQUIPMENT AND ACCESSORIES TO OBTAIN FULLY FUNCTIONING PLUMBING SYSTEMS.

4. CODE COMPLIANCE: COMPLY WITH THE LATEST EDITIONS OF THE FOLLOWING STANDARDS AND CODES, INSOFAR AS THEY APPLY:

   2018 NORTH CAROLINA STATE BUILDING CODE (CODE), LATEST EDITION AND REVISIONS.

   2018 NORTH CAROLINA STATE PLUMBING CODE (CODE), LATEST EDITION AND REVISIONS.

   LOCAL JURISDICTION REQUIREMENTS.

5. PERMITS AND INSPECTIONS: OBTAIN ALL PERMITS, LICENSES, INSPECTIONS, ETC., REQUIRED FOR THE WORK AND PAY FOR SAME. FURNISH A FINAL CERTIFICATE OF INSPECTION AND APPROVAL FROM THE AUTHORITY HAVING JURISDICTION PRIOR TO ACCEPTANCE OF THE WORK.

6. SUPERVISION: PROVIDE SKILLED SUPERINTENDENTS TO SUPERVISE THE WORK FROM THE BEGINNING TO COMPLETION AND FINAL INSPECTION.

7. PROGRESS OF WORK: PERFORM WORK IN ACCORDANCE WITH SCHEDULE AND REQUIREMENTS OF THE GENERAL CONTRACTOR. UNDER NO CIRCUMSTANCES SHALL THIS CONTRACTOR DELAY THE OVERALL PROJECT SCHEDULE.

8. COORDINATION: COORDINATE PLUMBING WORK WITH THE WORK OF OTHER TRADES. LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE UNLESS SPECIFICALLY DIMENSIONED. ARRANGE PLUMBING SO AS NOT TO INTERFERE WITH THE WORK OF OTHER TRADES. VERIFY ACTUAL BUILDING STRUCTURE PRIOR TO DUCT FABRICATION AND ADJUST LAYOUT AS REQUIRED. INCLUDE ALL OFFSETS IN DUCTS, FITTINGS, PIPING, ETC. AS REQUIRED TO PROPERLY INSTALL EQUIPMENT.

9. EQUIPMENT LOCATIONS: DETERMINE EXACT EQUIPMENT AND MATERIALS LOCATIONS TO PROVIDE BEST ARRANGEMENT AND TO FACILITATE PROPER MAINTENANCE AND SERVICING OF EQUIPMENT.

10. LISTING AND LABELING: ALL EQUIPMENT SHALL BE LABELED OR LISTED BY UL OR OTHER APPROVED TESTING AGENCY WHERE REQUIRED.

11. STORAGE SPACE: CONSULT WITH THE GENERAL CONTRACTOR REGARDING JOB SITE STORAGE FOR PLUMBING MATERIALS TO BE INSTALLED UNDER THIS PROJECT. STORAGE SPACE MUST BE SECURED AND CONTRACTOR'S REPRESENTATIVE MUST BE ON JOB BEFORE ANY MATERIAL MAY BE RECEIVED.

12. CLEANUP: REMOVE ALL DEBRIS GENERATED IN THE ACCOMPLISHMENT OF WORK UNDER THIS PROJECT. CLEAN, REPLACE OR REPAIR ALL SURFACES SOILED OR DAMAGED DURING THE COURSE OF THE WORK. REMOVE DEBRIS DAILY SO TO MAINTAIN SAFE WORKING CONDITIONS.

13. RECORD DRAWINGS: MAINTAIN ONE SET OF "RED-LINED" RECORD DRAWINGS ON SITE AT ALL TIMES AND PROVIDE DRAWINGS TO ENGINEER PRIOR TO FINAL INSPECTION.

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 043801 TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: AOG/JBS
DRAWN BY: AOG/JBS

SHEET TITLE:
PLUMBING LEGEND, ABBRS, NOTES, AND SCHEDULES

SHEET NO. P-001
PROJ. NO. 024370.00

BOOSTER PUMP SCHEDULE

DRAWING CODE	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL	PUMP TYPE	SERVICE	FLUID	CAPACITY (GPM)	SYSTEM DISCH PRESSURE (PSI)	AVAILABLE SUCT PRESSURE (PSI)	INLET AND OUTLET SIZE (IN.)	MOTOR					NOTES
										ENCLOSURE		SPEED (RPM)	HP	ELECTRICAL	
										TYPE	MATERIALS			V/PH/HZ	
DBP1	HYFAB	MVP-630-460	DUPLEX PRESSURE BOOSTER	DOMESTIC	WATER	150	80	40	3"	ODP	CAST IRON	3868	15.0	460/3/60	1-12

NOTES:
1. SKID MOUNT
2. INTEGRATED SPEED CONTROLLER
3. EXPANSION TANK INCLUDED
4. PRESSURE GAUGE INCLUDED
5. PRESSURE SENSOR INCLUDED
6. MGM MOTOR WITH INCLUDED THERMAL PROTECTION
7. NEMA 1 ENCLOSURE
8. SINGLE POINT POWER CONNECTION
9. NO FLOW SHUTDOWN
10. AUTOMATIC ALTERNATION
11. VARIABLE SPEED PUMP LOGIC CONTROLLER
12. VFDs WITH MANUAL OVERLOAD PROTECTION

PLUMBING SUMMARY WORKSHEET - TOTALS

FIXTURE	OCCUPANCY	TYPE OF CONTROL	QUANTITY	DOMESTIC WATER SYSTEM (W.S.F.U.)						WASTE & VENT SYSTEM (DFU)	
				INDIVIDUAL FIXTURE UNITS			TOTAL FIXTURE UNITS				
				COLD	HOT	TOTAL	COLD	HOT	TOTAL	EACH	TOTAL
DISHWASHING MACHINE	PRIVATE	AUTOMATIC	0	0.0	1.4	1.4	0.0	0.0	0.0	2.0	0.0
DRINKING FOUNTAIN	OFFICES, ETC.	3/8" VALVE	4	0.25	0.0	0.25	1.0	0.0	1.0	0.5	2.0
EXAM SINK	PRIVATE	FAUCET	27	0.5	0.5	0.7	13.5	13.5	18.9	1.0	27.0
BREAK SINK	PRIVATE	FAUCET	23	1.0	1.0	1.4	23.0	23.0	32.2	2.0	46.0
LAB SINK	PRIVATE	FAUCET	2	1.0	1.0	1.4	2.0	2.0	2.8	2.0	4.0
HAND SINK	PRIVATE	FAUCET	2	0.5	0.5	0.7	1.0	1.0	1.4	1.0	2.0
LAVATORY	PRIVATE	FAUCET	33	0.5	0.5	0.7	16.5	16.5	23.1	1.0	33.0
LAVATORY	PUBLIC	FAUCET	21	1.5	1.5	2.0	31.5	31.5	42.0	1.0	21.0
SERVICE SINK	OFFICES, ETC.	FAUCET	4	2.25	2.25	3.00	9.0	9.0	12.0	2.0	8.0
SHOWER HEAD	PRIVATE	MIXING VALVE	6	1.00	1.00	1.40	6.0	6.0	8.4	2.0	12.0
URINAL	PUBLIC	3/4"FLUSH VALVE	8	5.00	0.00	5.00	40.0	0.0	40.0	2.0	16.0
WASHING MACHINE (8LBS)	PRIVATE	AUTOMATIC	2	1.00	1.00	1.40	2.0	2.0	2.8	2.0	4.0
WATER CLOSET	PRIVATE	FLUSH VALVE	29	6.00	0.00	6.00	174.0	0.0	174.0	4.0	116.0
WATER CLOSET	PUBLIC	FLUSH VALVE	20	10.00	0.00	10.00	200.0	0.0	200.0	4.0	80.0
TOTALS							519.5	104.5	558.6		371.0

BASED ON AN ESTIMATED DEMAND OF 559 W.S.F.U.(150 GPM), PROVIDE A 3" INCOMING WATER LINE.
BASED ON A WASTE COUNT OF 371 D.F.U., PROVIDE A 6" OUTGOING WASTE LINE.

PRIMARY ROOF DRAINS

ROOF AREA (SQ. FT.)	RAINFALL RATE (INCHES)
32,958.94	4.2
GPM=	1440
NUMBER OF DRAINS	12
GPM PER DRAIN	120
VERT. DRAIN SIZE REQD.	6
HORZ. DRAIN SIZE REQD. 1/8"	6

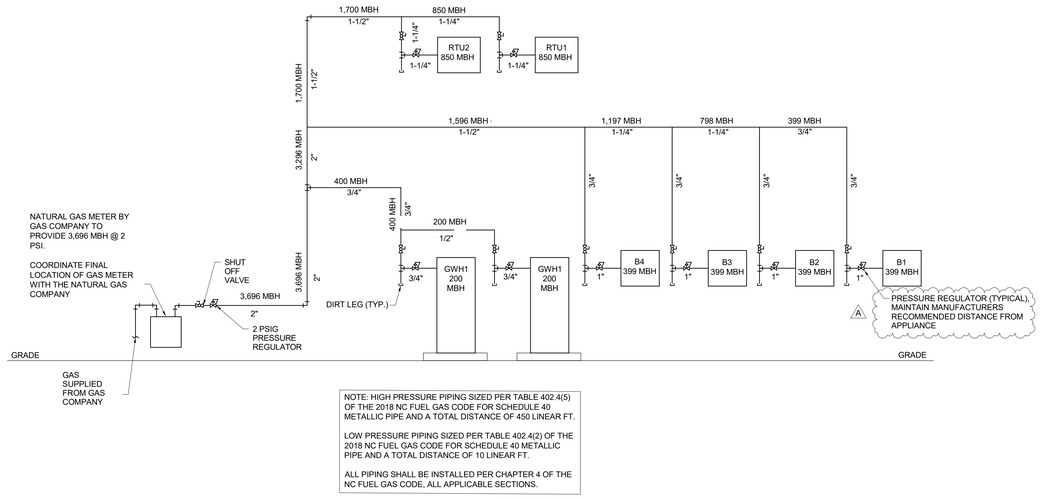
A

SECONDARY ROOF DRAINS

ROOF AREA (SQ. FT.)	Rainfall Rate (inches)
32,958.94	7.4
GPM=	2537
NUMBER OF DRAINS	12
GPM PER DRAIN	211
VERT. DRAIN SIZE REQD.	6
HORZ. DRAIN SIZE REQD. 1/8"	6

GAS LOAD SCHEDULE

FIXTURE TAG	DESCRIPTION	MBH RATING	QUANTITY	TOTAL MBH
B1	NATURAL GAS BOILER	399	1	399
B2	NATURAL GAS BOILER	399	1	399
B3	NATURAL GAS BOILER	399	1	399
B4	NATURAL GAS BOILER	399	1	399
GWH1	NATURAL GAS WATER HEATER	200	1	200
GWH2	NATURAL GAS WATER HEATER	200	1	200
RTU1	NATURAL GAS ROOF TOP PACKAGE UNIT	850	1	850
RTU2	NATURAL GAS ROOF TOP PACKAGE UNIT	850	1	850
TOTAL LOAD MBH				3,696
BUILDING SERVICE GAS PRESSURE				2 psi



NOTE: HIGH PRESSURE PIPING SIZED PER TABLE 402.4(5) OF THE 2018 NC FUEL GAS CODE FOR SCHEDULE 40 METALLIC PIPE AND A TOTAL DISTANCE OF 450 LINEAR FT.

LOW PRESSURE PIPING SIZED PER TABLE 402.4(2) OF THE 2018 NC FUEL GAS CODE FOR SCHEDULE 40 METALLIC PIPE AND A TOTAL DISTANCE OF 10 LINEAR FT.

ALL PIPING SHALL BE INSTALLED PER CHAPTER 4 OF THE NC FUEL GAS CODE, ALL APPLICABLE SECTIONS.

A2 / P-002 **NATURAL GAS RISER DIAGRAM**
NOT TO SCALE

ALL DRAWINGS, DESCRIPTIONS AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY, DESTROYED ON FINAL COMPLETION OF THE PROJECT. THE REPRODUCTION, PUBLICATION OR USE OF THESE DRAWINGS, DESCRIPTIONS OR PROJECT WITHOUT WRITTEN PERMISSION OF MCMILLAN PAZDAN SMITH ARCHITECTURE, ANY UNAUTHORIZED USE, AND ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY MCMILLAN PAZDAN SMITH ARCHITECTURE WILL BE AT OWNER'S SOLE RISK AND WITHOUT LIABILITY TO MCMILLAN PAZDAN SMITH ARCHITECTURE, AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS MCMILLAN PAZDAN SMITH ARCHITECTURE FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.
ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

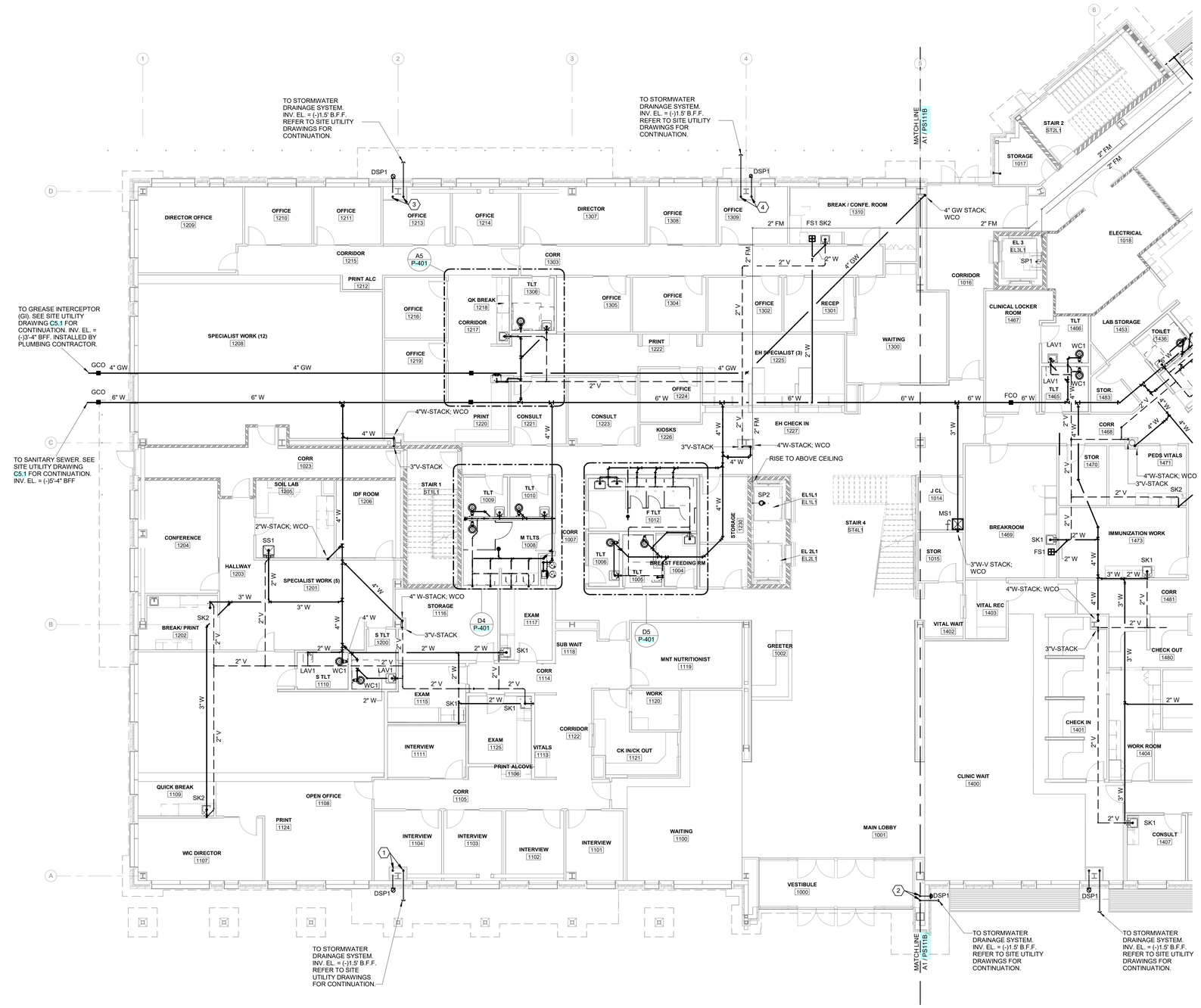
PRINCIPAL IN CHARGE: TOG
DESIGNER: AOG/JBS
DRAWN BY: AOG/JBS

SHEET TITLE:
PLUMBING SCHEDULES AND NATURAL GAS RISER

SHEET NO. P-002
PROJ. NO. 024370.00

GENERAL NOTES THIS SHEET

1. REFER TO WASTE-VENT RISER DIAGRAMS FOR MORE INFORMATION AND SIZES NOT SHOWN.



KEYNOTES

1	6" RDL AND 8" ORDL LEADER DOWN FROM FLOOR ABOVE. SEE PS121A FOR CONTINUATION.
2	4" RDL AND 6" ORDL LEADER DOWN FROM FLOOR ABOVE AND DOWN TO FLOOR BELOW. SEE PS121A FOR CONTINUATION.
3	6" RDL AND 8" ORDL LEADER DOWN FROM FLOOR ABOVE. SEE PS121A FOR CONTINUATION.
4	6" RDL AND 6" ORDL LEADER DOWN FROM FLOOR ABOVE. SEE PS121A FOR CONTINUATION.

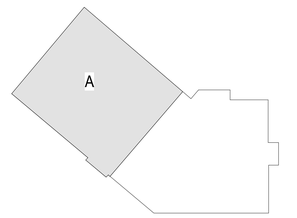
A1 / PS111A **LEVEL 1 WASTE-VENT PLAN - AREA A**

1/8" = 1'-0"

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 TROY O. GRADY 04/22/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: AOG/JBS
DRAWN BY: AOG/JBS

SHEET TITLE:

LEVEL 1 FLOOR PLAN - AREA A - WASTE-VENT

SHEET NO. PS111A

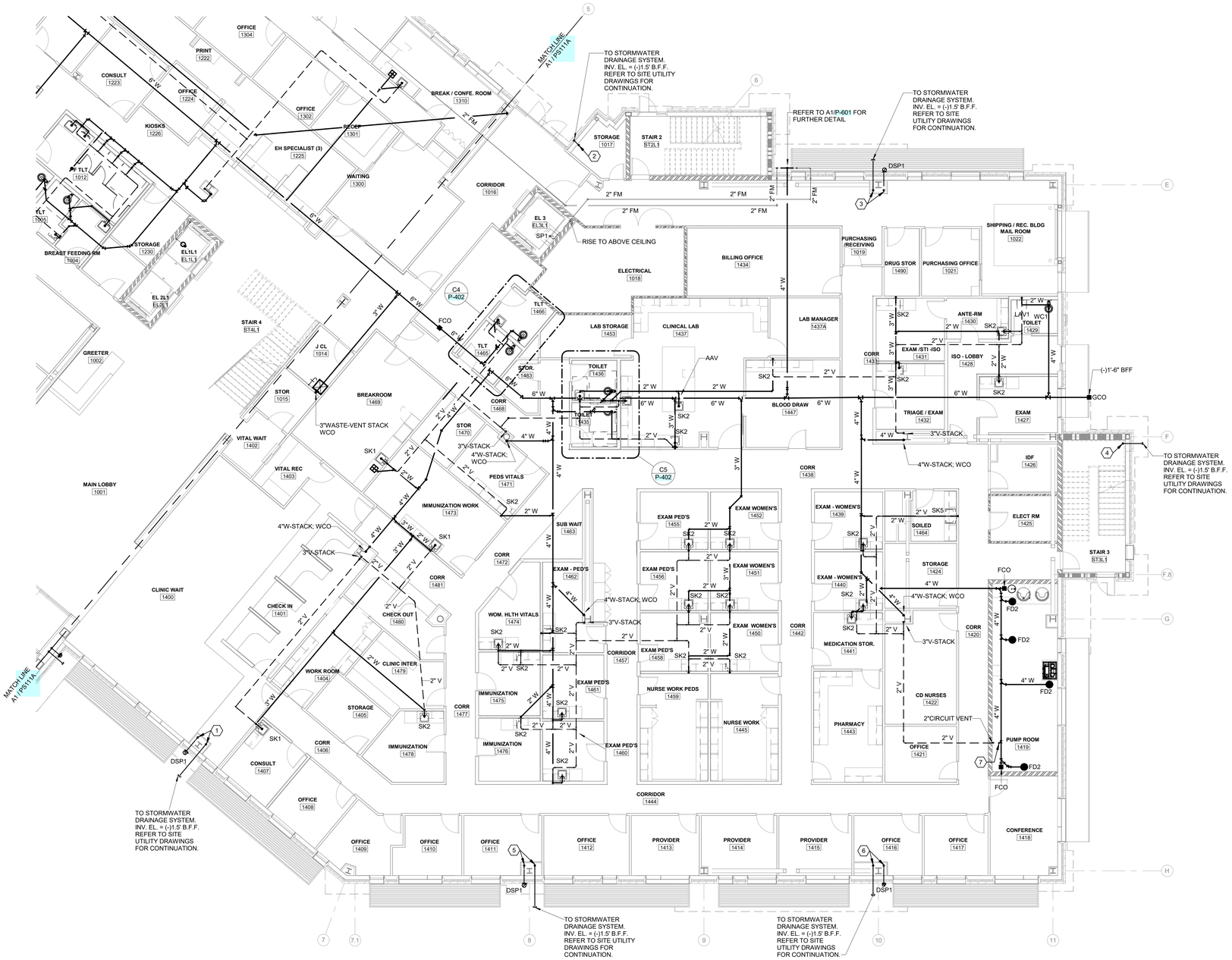
PROJ. NO. 024370.00

PROJECT NORTH

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THEY ARE NOT TO BE USED IN ANY OTHER PROJECT AND NOT TO BE USED ON THIS PROJECT IF ANY PART OF THE CONTRACT IS LET FOR BIDDING OR NEGOTIATION BASED ON THESE DRAWINGS AND SPECIFICATIONS UNLESS AND UNTIL A CONTRACT WITH MCMILLAN PAZDAN SMITH ARCHITECTURE FOR SUCH PURPOSES HAS BEEN EXECUTED. ANY UNAUTHORIZED USE, DISCLOSURE OR DISTRIBUTION IS NOT PERMITTED AND MAY BE UNLAWFUL. ANY RIGHTS NOT EXPRESSLY RESERVED HEREIN ARE RESERVED TO MCMILLAN PAZDAN SMITH ARCHITECTURE FOR FUTURE PROJECTS AND USES. © MCMILLAN PAZDAN SMITH ARCHITECTURE. ALL RIGHTS RESERVED

GENERAL NOTES THIS SHEET

1. REFER TO WASTE-VENT RISER DIAGRAMS FOR MORE INFORMATION AND SIZES NOT SHOWN.



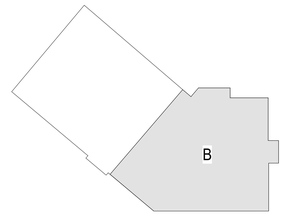
KEYNOTES

1	6" RDL AND 8" ORDL DOWN FROM FLOOR ABOVE. SEE PS121B FOR CONTINUATION.
2	3" RDL DOWN FROM FLOOR ABOVE. SEE PS121B FOR CONTINUATION
3	6" RDL AND 8" ORDL DOWN FROM FLOOR ABOVE. SEE PS121B FOR CONTINUATION.
4	3" RDL DOWN FROM FLOOR ABOVE. SEE PS121B FOR CONTINUATION
5	6" RDL AND 8" ORDL DOWN FROM FLOOR ABOVE. SEE PS121B FOR CONTINUATION.
6	6" RDL AND 6" ORDL LEADER DOWN FROM FLOOR ABOVE. SEE PS121B FOR CONTINUATION.
7	ROLL VENT 45° FROM VERTICAL OVER TO WALL AND THEN RISE UP. PROVIDE WALL CLEANOUT.

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



PROJECT NORTH

A1 PS111B **LEVEL 1 WASTE-VENT PLAN - AREA B**
1/8" = 1'-0"

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY 04/22/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE:	02/06/2026
PHASE:	PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE:	TOG
DESIGNER:	AOG/JBS
DRAWN BY:	AOG/JBS

SHEET TITLE:
LEVEL 1 FLOOR PLAN - AREA B - WASTE-VENT

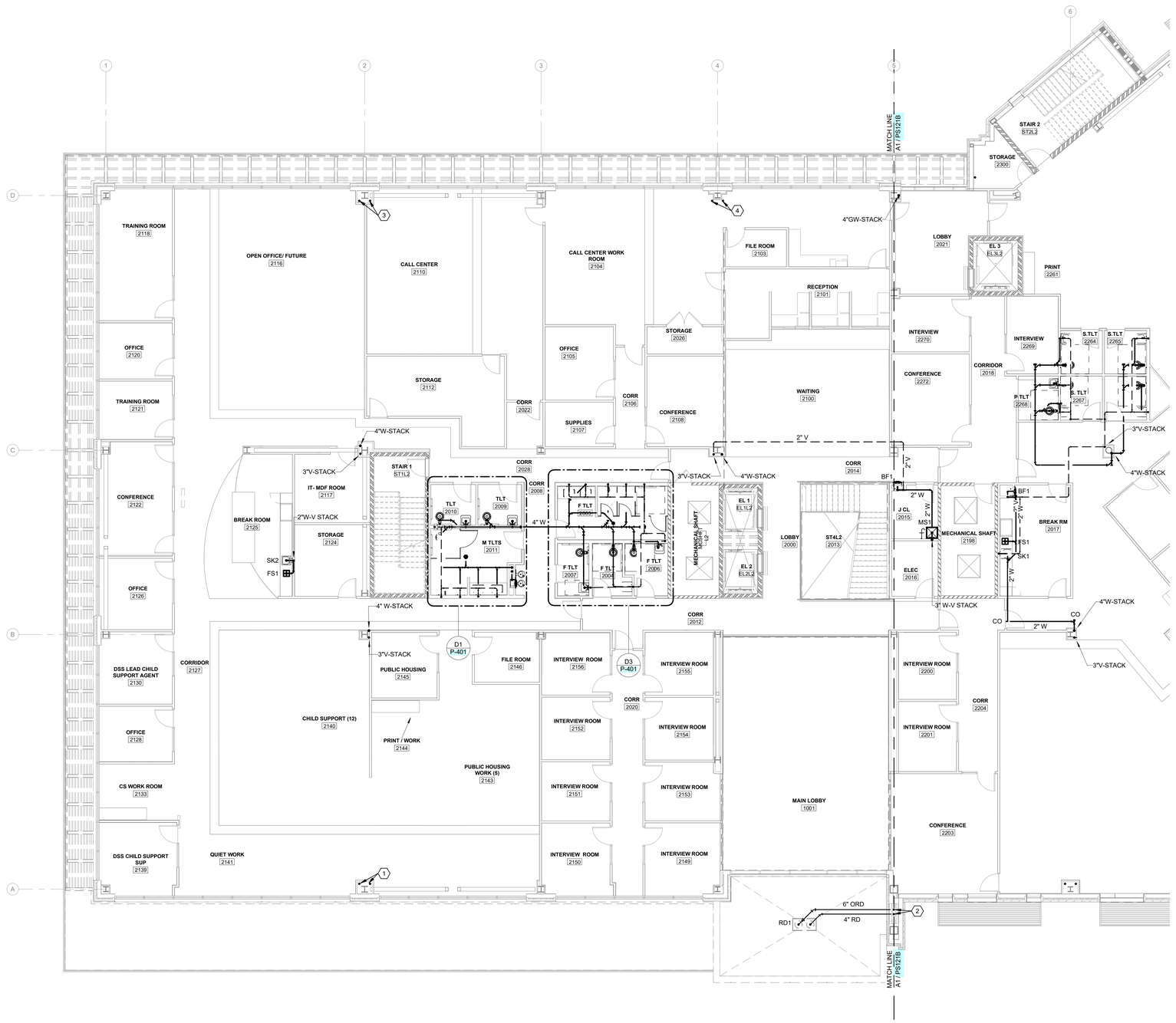
SHEET NO.	PROJ. NO. 024370.00

PS111B

ALL DRAWINGS, SPECIFICATIONS AND CONCEPTS THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED UPON REQUEST AT THE COMPLETION OF THE PROJECT. THE COPYING, REPRODUCTION OR REPLICATION OF ANY PORTION OR PORTIONS OF THESE DRAWINGS, SPECIFICATIONS AND CONCEPTS THEREOF IN ANY FORM WHATSOEVER, INCLUDING BUT NOT LIMITED TO ELECTRONIC, MECHANICAL OR PHOTOGRAPHIC REPRODUCTIONS, OR ANY TRANSMISSION OF THEM TO OTHERS, WITHOUT THE PRIOR WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE IS PROHIBITED.
ALL RIGHTS RESERVED

GENERAL NOTES THIS SHEET

1. REFER TO WASTE-VENT RISER DIAGRAMS FOR MORE INFORMATION AND SIZES NOT SHOWN.
2. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF FLOOR DRAINS IN GANG TOILETS.



KEYNOTES

1	6" RDL AND 8" ORDL LEADER FROM FLOOR ABOVE AND DOWN TO FLOOR BELOW. SEE PS111A OR PS131A FOR CONTINUATION
2	4" RDL AND 6 ORDL LEADER DOWN TO FLOOR BELOW. SEE PS111A FOR CONTINUATION
3	6" RDL AND 8" ORDL LEADER FROM FLOOR ABOVE AND DOWN TO FLOOR BELOW. SEE PS111A OR PS131A FOR CONTINUATION
4	6" RDL AND 6" ORDL LEADER FROM FLOOR ABOVE AND DOWN TO FLOOR BELOW. SEE PS111A OR PS131A FOR CONTINUATION

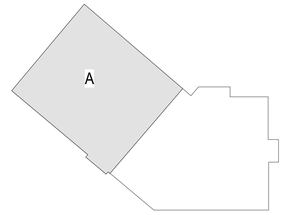
A1 / PS121A **LEVEL 02-WASTE-VENT PLAN - AREA A**

1/8" = 1'-0"

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/22/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: AOG/JBS
DRAWN BY: AOG/JBS

SHEET TITLE:
LEVEL 2 FLOOR PLAN - AREA A - WASTE-VENT

SHEET NO. PS121A
PROJ. NO. 024370.00

PROJECT NORTH

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY, DESTROYED AT THE COMPLETION OF THE PROJECT. THEY ARE NOT TO BE LOANED, COPIED OR REPRODUCED FOR ANY PURPOSE WHATSOEVER WITHOUT THE EXPRESS PERMISSION AND WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ©COPYRIGHT MCMILLAN PAZDAN SMITH ARCHITECTURE
ALL RIGHTS RESERVED



KEYNOTES

1	6" RDL AND 8" ORDL FROM FLOOR ABOVE AND DOWN TO FLOOR BELOW. SEE PS111B OR PS131B FOR CONTINUATION.
2	3" RDL FROM FLOOR ABOVE AND DOWN TO FLOOR BELOW. SEE PS111B OR PS131B FOR CONTINUATION.
3	6" RDL AND 8" ORDL FROM FLOOR ABOVE AND DOWN TO FLOOR BELOW. SEE PS111B OR PS131B FOR CONTINUATION.
4	3" RDL FROM FLOOR ABOVE AND DOWN TO FLOOR BELOW. SEE PS111B OR PS131B FOR CONTINUATION.
5	6" RDL AND 8" ORDL FROM FLOOR ABOVE AND DOWN TO FLOOR BELOW. SEE PS111B OR PS131B FOR CONTINUATION.
6	6" RDL AND 6" ORDL LEADER FROM FLOOR ABOVE AND DOWN TO FLOOR BELOW. SEE PS111B OR PS131B FOR CONTINUATION

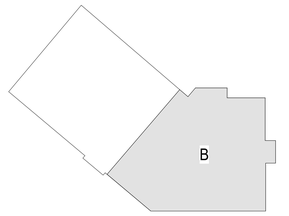
A1 PS121B **LEVEL 02-WASTE-VENT PLAN - AREA B**

1/8" = 1'-0"

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY 04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: AOG/JBS
DRAWN BY: AOG/JBS

SHEET TITLE:
LEVEL 2 FLOOR PLAN - AREA B - WASTE-VENT

SHEET NO. PS121B
PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY, DESTROYED AT THE END OF THE PROJECT. THE USE, DISCLOSURE, REPRODUCTION OR ASSIGNMENT WITHOUT THE EXPRESS WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE IS STRICTLY PROHIBITED. VISUAL CONTACT WITH THESE DRAWINGS OR SPECIFICATIONS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.
ALL RIGHTS RESERVED

GENERAL NOTES THIS SHEET

1. REFER TO WASTE-VENT RISER DIAGRAMS FOR MORE INFORMATION AND SIZES NOT SHOWN.
2. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF FLOOR DRAINS IN GANG TOILETS.



KEYNOTES

1	6" RDL AND 8" ORDL LEADER FROM FLOOR ABOVE AND DOWN TO FLOOR BELOW. SEE PS121A OR PS141A FOR CONTINUATION
2	6" RDL AND 8" ORDL LEADER FROM FLOOR ABOVE AND DOWN TO FLOOR BELOW. SEE PS121A OR PS141A FOR CONTINUATION
3	6" RDL AND 6" ORDL LEADER FROM FLOOR ABOVE AND DOWN TO FLOOR BELOW. SEE PS121A OR PS141A FOR CONTINUATION

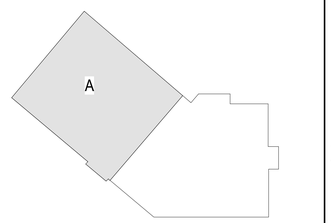
A1 / PS131A **LEVEL 3 WASTE-VENT PLAN - AREA A**

1/8" = 1'-0"

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/22/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

ALL DRAWINGS, SPECIFICATIONS AND CODES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE, WE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED ON REQUEST AT THE COMPLETION OF THE PROJECT. THE VISUAL CONTRACTUAL AND EDUCATIONAL INFORMATION EMBODIED IN THESE DRAWINGS, AND SPECIFICATIONS AND CODES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE, ARE NOT TO BE USED, REPRODUCED, ASSIGNED OR DISCLOSED TO ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE EXPRESS WRITTEN PERMISSION OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ALL RIGHTS RESERVED

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE:	02/06/2026
PHASE:	PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE:	TOG
DESIGNER:	AOG/JBS
DRAWN BY:	AOG/JBS

SHEET TITLE:

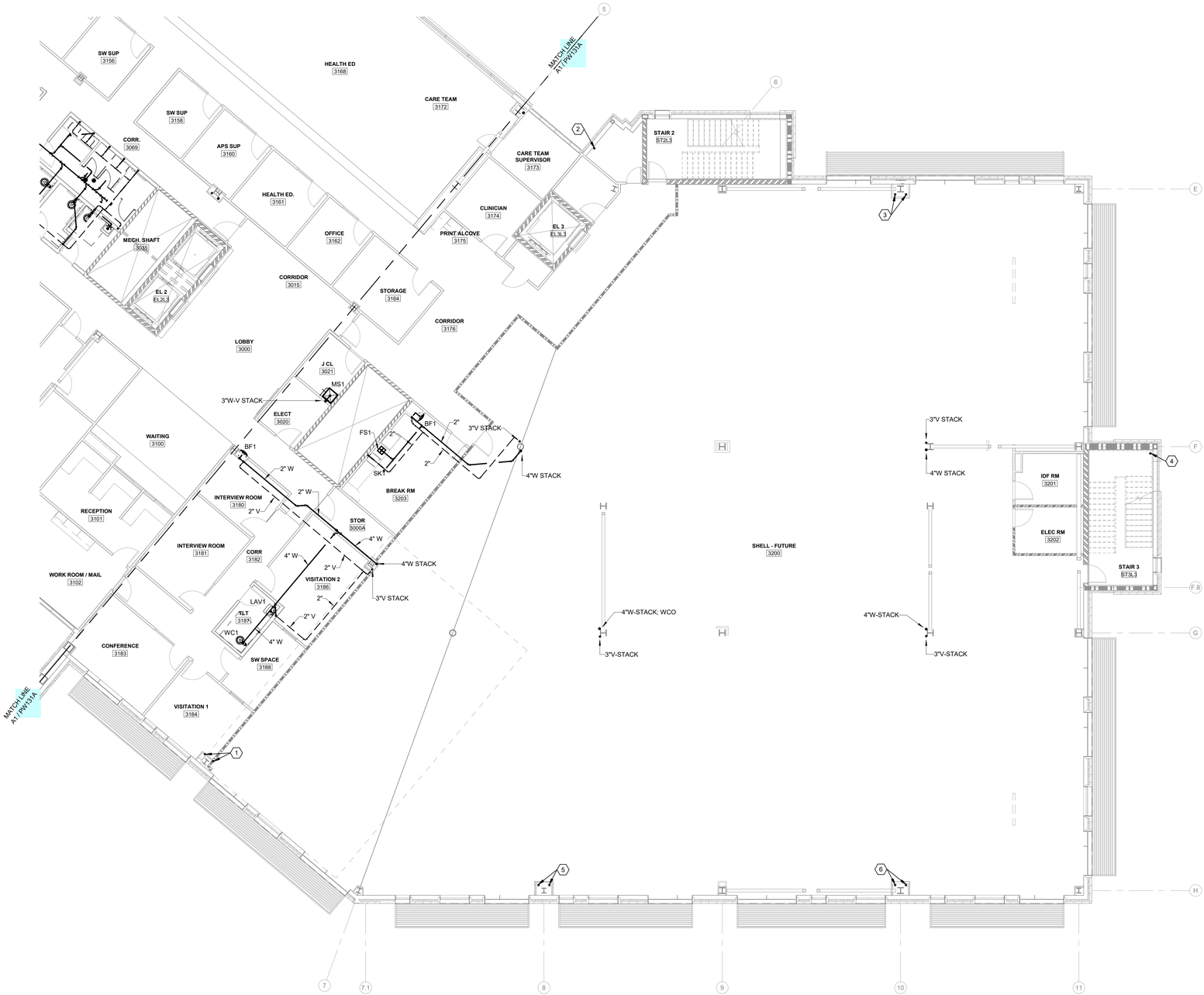
LEVEL 3 FLOOR PLAN - AREA A - WASTE-VENT

SHEET NO. PS131A

PROJ. NO. 024370.00

GENERAL NOTES THIS SHEET

1. REFER TO WASTE-VENT RISER DIAGRAMS FOR MORE INFORMATION AND SIZES NOT SHOWN.



A1 PS131B **LEVEL 3 WASTE-VENT PLAN - AREA B**
1/8" = 1'-0"

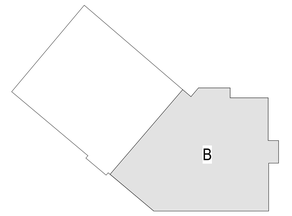
KEYNOTES

1	6" RDL AND 8" ORDL FROM FLOOR ABOVE AND DOWN TO FLOOR BELOW. SEE PS121B OR PS141B FOR CONTINUATION.
2	3" RDL FROM FLOOR ABOVE AND DOWN TO FLOOR BELOW. SEE PS121B OR PS141B FOR CONTINUATION.
3	6" RDL AND 8" ORDL FROM FLOOR ABOVE AND DOWN TO FLOOR BELOW. SEE PS121B OR PS141B FOR CONTINUATION.
4	3" RDL FROM FLOOR ABOVE AND DOWN TO FLOOR BELOW. SEE PS121B OR PS141B FOR CONTINUATION.
5	6" RDL AND 8" ORDL FROM FLOOR ABOVE AND DOWN TO FLOOR BELOW. SEE PS121B OR PS141B FOR CONTINUATION.
6	6" RDL AND 6" ORDL LEADER FROM FLOOR ABOVE AND DOWN TO FLOOR BELOW. SEE PS121B OR PS141B FOR CONTINUATION

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY 04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: AOG/JBS
DRAWN BY: AOG/JBS

SHEET TITLE:
LEVEL 3 FLOOR PLAN - AREA B - WASTE-VENT

SHEET NO. PROJ. NO. 024370.00

PS131B

GENERAL NOTES THIS SHEET

1. REFER TO WASTE-VENT RISER DIAGRAMS FOR MORE INFORMATION AND SIZES NOT SHOWN.
2. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF FLOOR DRAINS IN GANG TOILETS.



A1 PS141A **LEVEL 4-WASTE-VENT AREA A**

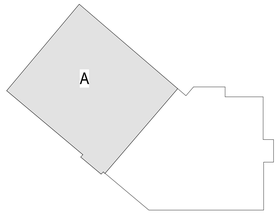
KEYNOTES

1	6" RDL AND 8" ORDL FROM FLOOR ABOVE AND DOWN TO FLOOR BELOW. SEE PS131A OR PS151A FOR CONTINUATION.
2	6" RDL AND 8" ORDL FROM FLOOR ABOVE AND DOWN TO FLOOR BELOW. SEE PS131A OR PS151A FOR CONTINUATION.
3	6" RDL AND 6" ORDL FROM FLOOR ABOVE AND DOWN TO FLOOR BELOW. SEE PS131A OR PS151A FOR CONTINUATION.

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY 04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

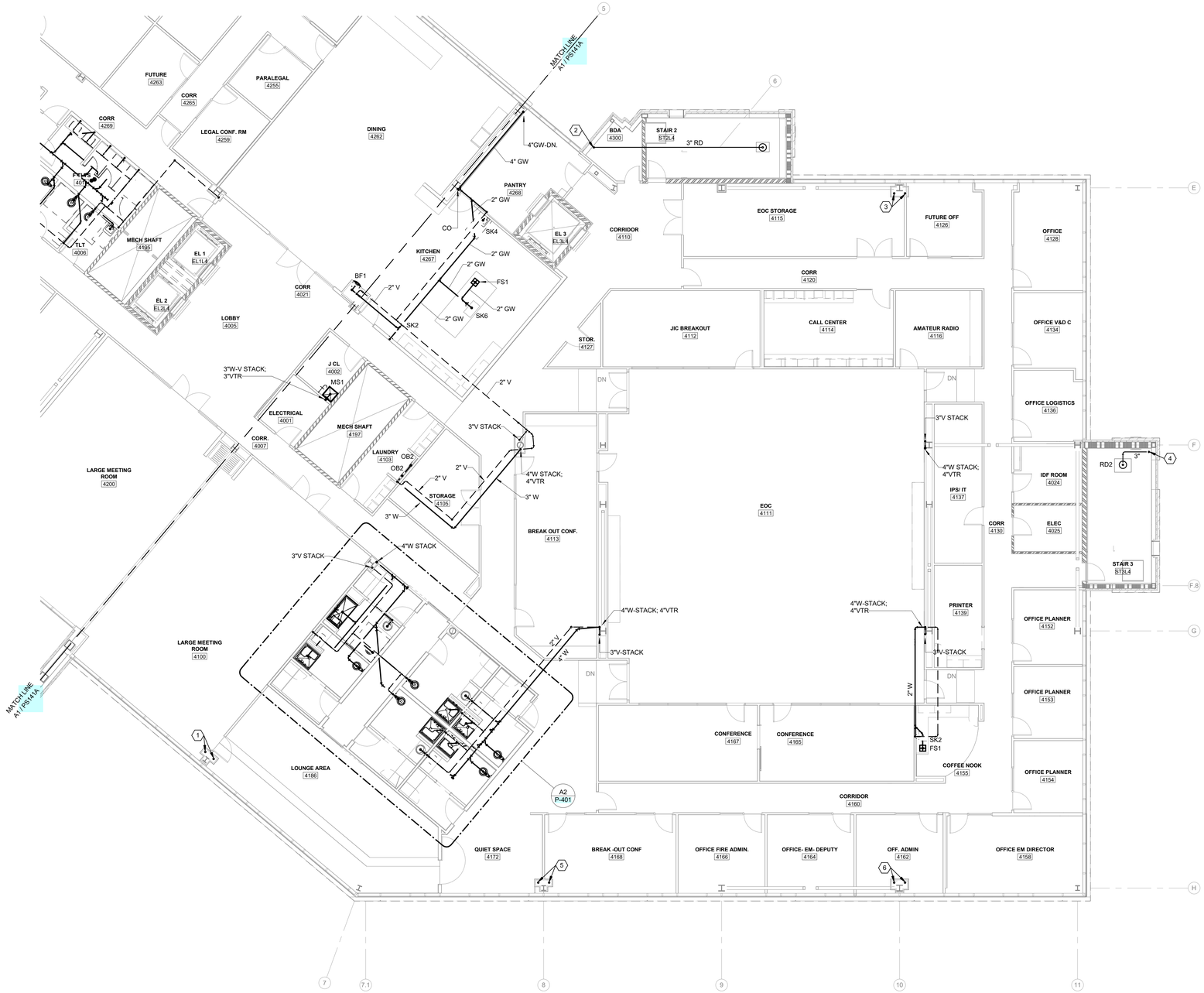
NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: AOG/JBS
DRAWN BY: AOG/JBS

SHEET TITLE:
LEVEL 4 FLOOR PLAN - AREA A - WASTE-VENT

SHEET NO. PROJ. NO. 024370.00

PS141A



KEYNOTES

1	6" RDL AND 8" ORDL FROM ROOF ABOVE AND DOWN TO FLOOR BELOW. SEE PS131B OR PS151B FOR CONTINUATION.
2	3" RDL DOWN TO FLOOR BELOW. SEE PS131B FOR CONTINUATION.
3	6" RDL AND 8" ORDL FROM ROOF ABOVE AND DOWN TO FLOOR BELOW. SEE PS131B OR PS151B FOR CONTINUATION.
4	3" RDL DOWN TO FLOOR BELOW. SEE PS131B FOR CONTINUATION.
5	6" RDL AND 8" ORDL FROM ROOF ABOVE AND DOWN TO FLOOR BELOW. SEE PS131B OR PS151B FOR CONTINUATION.
6	6" RDL AND 6" ORDL FROM ROOF ABOVE AND DOWN TO FLOOR BELOW. SEE PS131B OR PS151B FOR CONTINUATION.

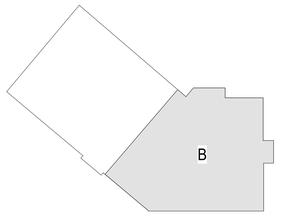
A1 / PS141B **LEVEL 4-WASTE-VENT AREA B**

1/8" = 1'-0"

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/22/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

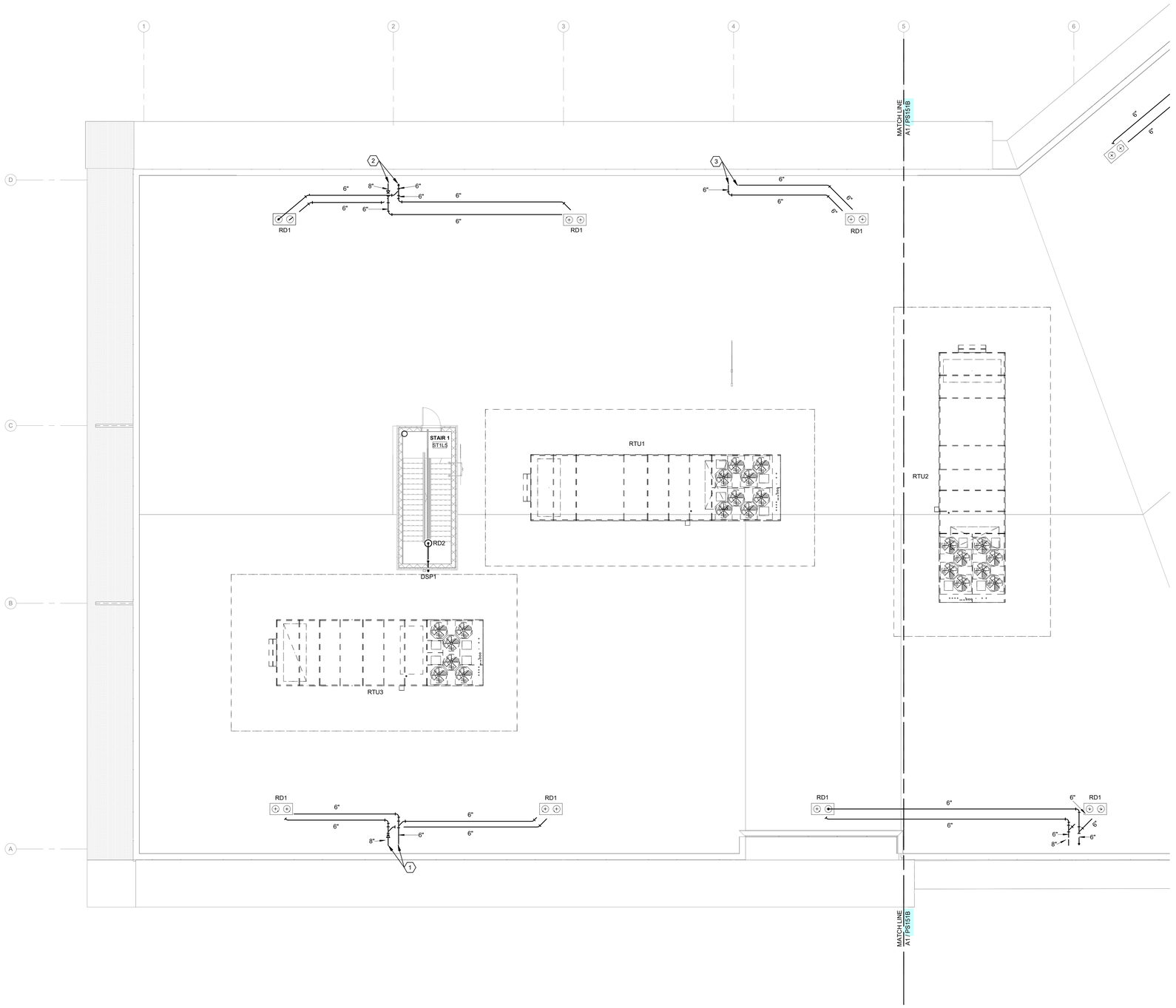
PRINCIPAL IN CHARGE: TOG
DESIGNER: AOG/JBS
DRAWN BY: AOG/JBS

SHEET TITLE:
LEVEL 4 FLOOR PLAN - AREA A - WASTE-VENT

SHEET NO. PS141B
PROJ. NO. 024370.00

PROJECT NORTH

ALL DRAWINGS, DESCRIPTIONS AND CONCEPTS THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ANY PART OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY, DESTROYED ON REQUEST. THEY ARE NOT TO BE CHANGED OR ALTERED IN ANY WAY WITHOUT WRITTEN PERMISSION OF MCMILLAN PAZDAN SMITH ARCHITECTURE. REUSE OF THESE DRAWINGS ON ANY OTHER PROJECT, WITH THE EXCEPTION OF THE AGREED USE FOR THIS PROJECT, IS PROHIBITED AND WILL BE AT THE SOLE RISK AND WITHOUT LIABILITY TO MCMILLAN PAZDAN SMITH ARCHITECTURE. ANY UNAUTHORIZED REUSE BY THE OWNER OR ANY OTHER PERSON OR ENTITY WILL TRANSFER, AND THE OWNER AGREES TO INDEMNIFY AND HOLD HARMLESS MCMILLAN PAZDAN SMITH ARCHITECTURE FROM AND AGAINST ANY AND ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING ATTORNEYS' FEES, ARISING OUT OF OR RESULTING THEREFROM. SUBMISSION OR DISTRIBUTION OF THESE DOCUMENTS TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THIS PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS.
ALL RIGHTS RESERVED



A1 PS151A **ROOF DRAINAGE PLAN - AREA A**
1/8" = 1'-0"

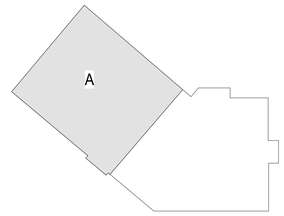
KEYNOTES

1	6" RDL AND 8" ORDL LEADER DOWN TO FLOOR BELOW. SEE PS141A FOR CONTINUATION.
2	6" RDL AND 8" ORDL LEADER DOWN TO FLOOR BELOW. SEE PS141A FOR CONTINUATION.
3	6" RDL AND 6" ORDL LEADER DOWN TO FLOOR BELOW. SEE PS141A FOR CONTINUATION.

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY 04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

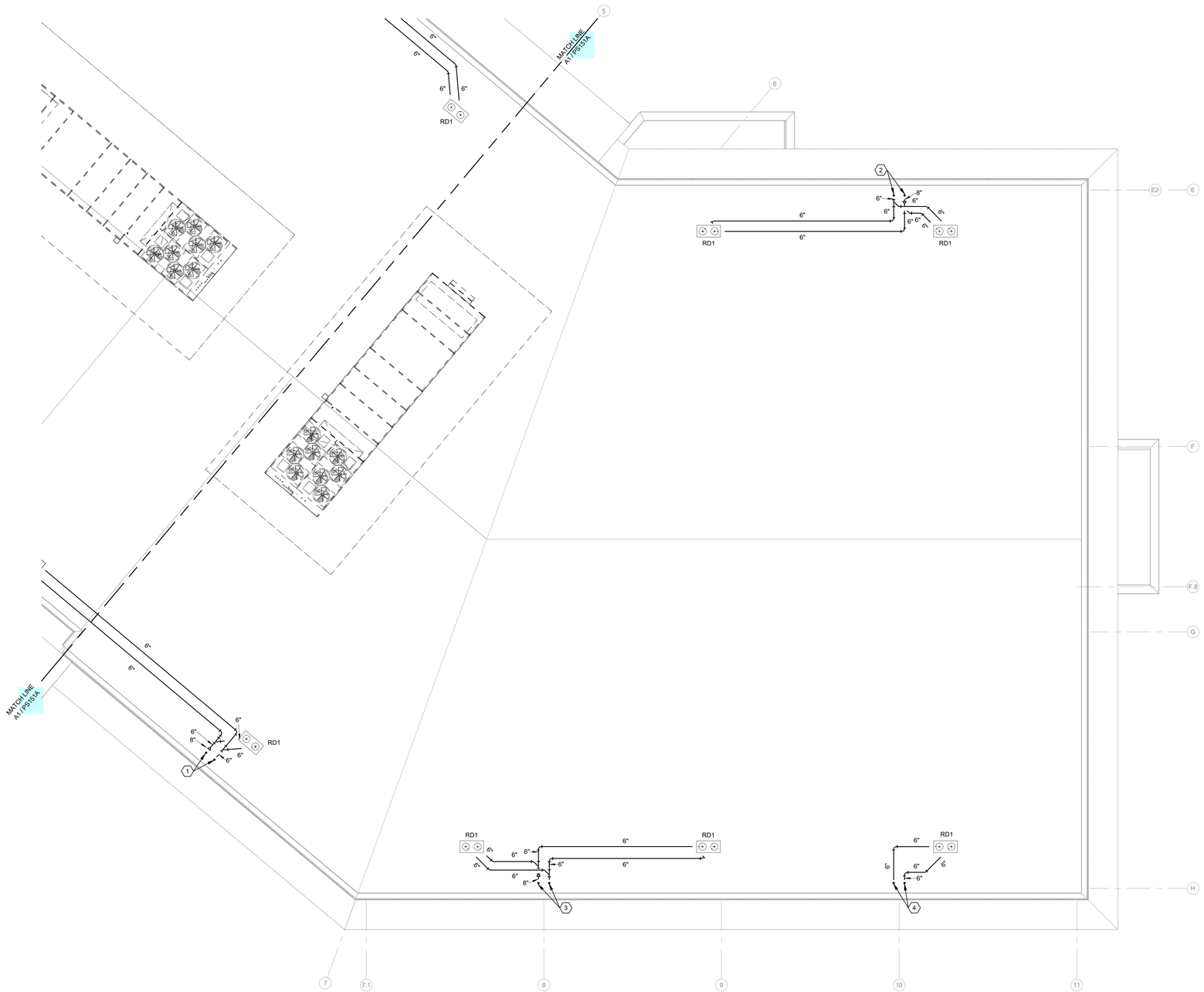
NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: AOG/JBS
DRAWN BY: AOG/JBS

SHEET TITLE:
ROOF DRAINAGE FLOOR PLAN - AREA A

SHEET NO. PROJ. NO. 024370.00

PS151A



A1 PS151B **ROOF DRAINAGE PLAN - AREA B**
1/8" = 1'-0"

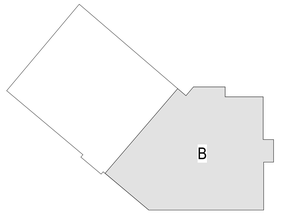
KEYNOTES

1	6" RDL AND 8" ORDL LEADER DOWN TO FLOOR BELOW. SEE PS141B FOR CONTINUATION.
2	6" RDL AND 8" ORDL LEADER DOWN TO FLOOR BELOW. SEE PS141B FOR CONTINUATION.
3	6" RDL AND 8" ORDL LEADER DOWN TO FLOOR BELOW. SEE PS141B FOR CONTINUATION.
4	6" RDL AND 6" ORDL LEADER DOWN TO FLOOR BELOW. SEE PS141B FOR CONTINUATION.

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: AOG/JBS
DRAWN BY: AOG/JBS

SHEET TITLE:
ROOF DRAINAGE PLAN- AREA B

SHEET NO. PROJ. NO. 024370.00

PS151B

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED ON SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

GENERAL DRAWING NOTES

1. REFER TO RISER DIAGRAM ON P-602 AND P-603 FOR MORE INFORMATION AND SIZES NOT SHOWN.



KEYNOTES

1	1-1/2" DCW AND 3/4" DHW PIPING FROM FLOOR ABOVE. SEE PW121A FOR CONTINUATION.
2	1-1/2" DCW AND 1" DHW PIPING FROM FLOOR ABOVE. SEE PW121A FOR CONTINUATION.
3	2" DCW AND 1" DHW PIPING FROM FLOOR ABOVE. SEE PW121A FOR CONTINUATION.
4	3/4" DCW AND 1/2" DHW PIPING FROM FLOOR ABOVE. SEE PW121A FOR CONTINUATION.
5	3/4" DCW AND DHW PIPING FROM FLOOR ABOVE. SEE PW121A FOR CONTINUATION.
6	1-1/2" DCW AND 1-1/2" DHW AND 3/4" HOT WATER RETURN PIPING. SEE PW111B FOR CONTINUATION.
7	SHUTOFF, CHECK VALVE AND CIRCUIT SETTER. REFER TO DOMESTIC WATER RISER DIAGRAM FOR FLOW SETTING.

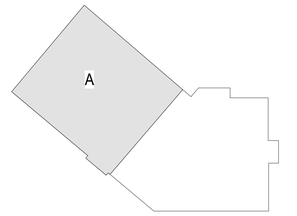
A1 / PW111A **LEVEL 1 DOMESITC WATER PLAN - AREA A**

1/8" = 1'-0"

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/22/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: AOG/JBS
DRAWN BY: AOG/JBS

SHEET TITLE:

LEVEL 1 FLOOR PLAN - AREA A - DOMESTIC WATER

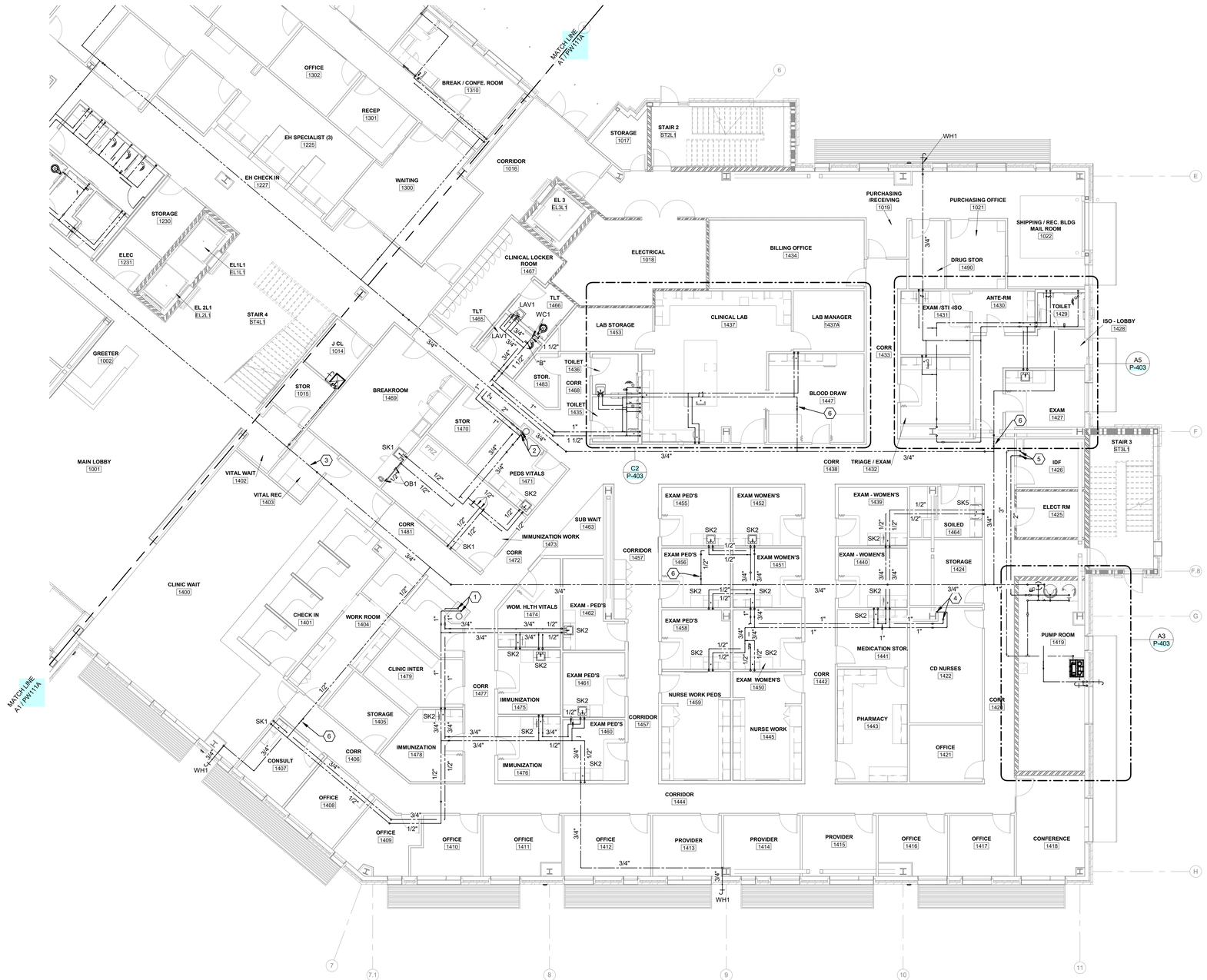
SHEET NO. PW111A

PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND CODES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE, ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THOSE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY, ACKNOWLEDGED TO BE DESTROYED ON REQUEST AT THE COMPLETION OF THE PROJECT. THE VISUAL CONTRACTS OF MCMILLAN PAZDAN SMITH ARCHITECTURE, THESE MATERIALS MAY NOT BE COPIED, USED OR DISCLOSED WITHOUT WRITTEN CONSENT. ALL RIGHTS RESERVED

GENERAL DRAWING NOTES

1. REFER TO RISER DIAGRAM ON P-602 AND P-603 FOR MORE INFORMATION AND SIZES NOT SHOWN.



A1 PW111B **LEVEL 1 DOMESTIC WATER PLAN - AREA B**
1/8" = 1'-0"

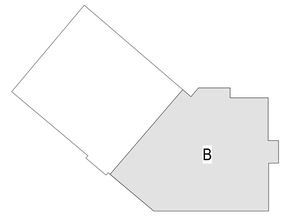
KEYNOTES

1	1" DCW AND 1" DHW PIPING FROM FLOOR ABOVE. SEE PW121B FOR CONTINUATION.
2	2" DCW AND 1" DHW PIPING FROM FLOOR ABOVE. SEE PW121B FOR CONTINUATION.
3	3/4" HOT WATER RETURN PIPING CONTINUES TO SERVE ADDITIONAL FIXTURES. SEE PW111A FOR CONTINUATION.
4	1-1/2" DCW AND 1" DHW PIPING FROM FLOOR ABOVE. SEE PW121B FOR CONTINUATION.
5	3" DCW AND 2" DHW PIPING FROM FLOOR ABOVE. SEE PW121B FOR CONTINUATION.
6	SHUTOFF, CHECK VALVE AND CIRCUIT SETTER. REFER TO DOMESTIC WATER RISER DIAGRAM FOR FLOW SETTING.

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/22/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE:	02/06/2026
PHASE:	PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE:	TOG
DESIGNER:	AOG/JBS
DRAWN BY:	AOG/JBS

SHEET TITLE:

LEVEL 1 FLOOR PLAN - AREA B - DOMESTIC WATER

SHEET NO. PW111B

PROJ. NO. 024370.00

ALL DRAWINGS, DESCRIPTION AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR DESTROYED ON REQUEST AT THE COMPLETION OF THE PROJECT. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR CHANGES MADE BY OTHERS TO THESE DRAWINGS. THE PROJECT IS THE CONSTRUCTION OF A BUILDING OR BUILDINGS, AND/OR OTHER STRUCTURES, AND/OR INTERIOR SPACES, AND/OR LANDSCAPE AND/OR OTHER IMPROVEMENTS, AS INDICATED BY THESE DRAWINGS AND SPECIFICATIONS.
ALL RIGHTS RESERVED

ALL DRAWINGS, DESCRIPTIONS AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY, DESTROYED ON THE REQUEST OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ANY REUSE, REVISION, DISTRIBUTION OR PUBLICATION WITHOUT THE WRITTEN PERMISSION OF MCMILLAN PAZDAN SMITH ARCHITECTURE IS PROHIBITED. COPYRIGHT © 2026 MCMILLAN PAZDAN SMITH ARCHITECTURE
ALL RIGHTS RESERVED



GENERAL DRAWING NOTES

1. REFER TO RISER DIAGRAM ON P-602 AND P-603 FOR MORE INFORMATION AND SIZES NOT SHOWN.

KEYNOTES

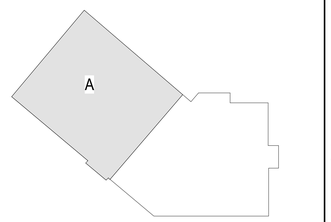
1	1-1/2" DCW AND 1" DHW PIPING FROM FLOOR ABOVE AND TO FLOOR BELOW. SEE PW111A OR PW131A FOR CONTINUATION.
2	1-1/2" DCW AND 1" DHW PIPING FROM FLOOR ABOVE AND TO FLOOR BELOW. SEE PW111A OR PW131A FOR CONTINUATION.
3	2-1/2" DCW AND 1" DHW PIPING FROM FLOOR ABOVE AND TO FLOOR BELOW. SEE PW111A OR PW131A FOR CONTINUATION.
4	3/4" DCW AND 1/2" DHW PIPING FROM FLOOR ABOVE AND TO FLOOR BELOW. SEE PW111A OR PW131A FOR CONTINUATION.
5	3/4" DCW AND 1" DHW PIPING FROM FLOOR ABOVE AND TO FLOOR BELOW. SEE PW111A OR PW131A FOR CONTINUATION.

A1 / PW121A **LEVEL 2-DOMESTIC WATER PLAN - AREA A**
1/8" = 1'-0"

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/22/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

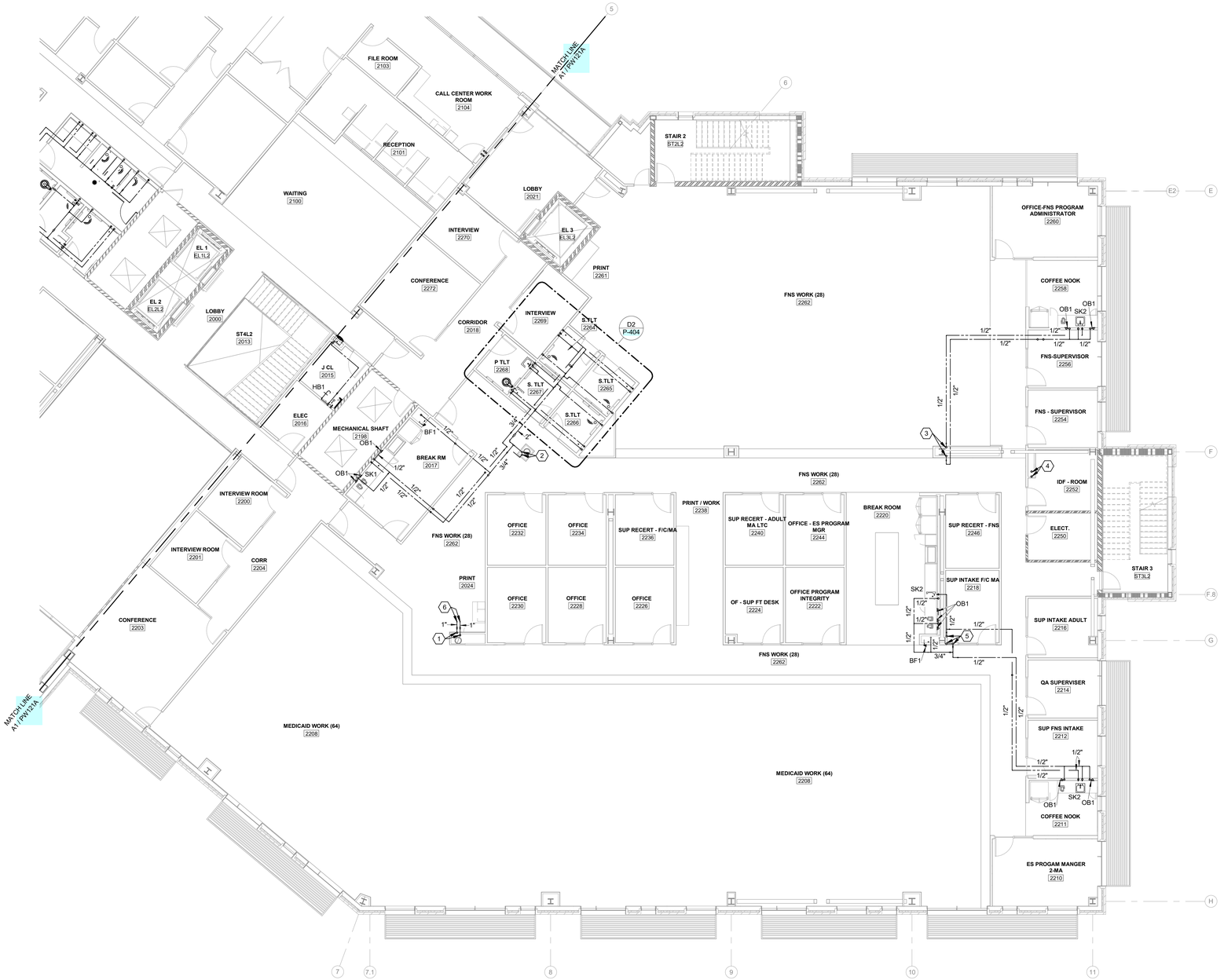
PRINCIPAL IN CHARGE: TOG
DESIGNER: AOG/JBS
DRAWN BY: AOG/JBS

SHEET TITLE:
LEVEL 2 FLOOR PLAN - AREA A - DOMESTIC WATER

SHEET NO. PW121A
PROJ. NO. 024370.00

GENERAL DRAWING NOTES

1. REFER TO RISER DIAGRAM ON P-602 AND P-603 FOR MORE INFORMATION AND SIZES NOT SHOWN.



KEYNOTES

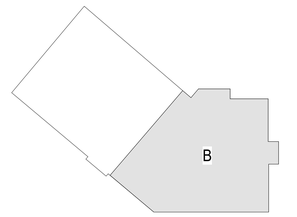
1	1-1/2" DCW AND 1" DHW PIPING FROM FLOOR ABOVE AND TO FLOOR BELOW. SEE PW111B OR PW131B FOR CONTINUATION.
2	2" DCW AND 1" DHW PIPING FROM FLOOR ABOVE AND TO FLOOR BELOW. SEE PW111B OR PW131B FOR CONTINUATION.
3	1-1/2" DCW AND 1" DHW PIPING FROM FLOOR ABOVE AND TO FLOOR BELOW. SEE PW111B OR PW131B FOR CONTINUATION.
4	3" DCW AND 2" DHW PIPING FROM FLOOR ABOVE AND TO FLOOR BELOW. SEE PW111B OR PW131B FOR CONTINUATION.
5	1-1/2" DCW AND 1" DHW PIPING FROM FLOOR ABOVE AND TO FLOOR BELOW. SEE PW111B OR PW131B FOR CONTINUATION.
6	CAP 1" DCW AND DHW PIPING FOR FUTURE.

A1 PW121B **LEVEL 2-DOMESTIC WATER PLAN - AREA B**
1/8" = 1'-0"

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY 04/22/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: AOG/JBS
DRAWN BY: AOG/JBS

SHEET TITLE:
LEVEL 2 FLOOR PLAN - AREA B - DOMESTIC WATER

SHEET NO. PW121B
PROJ. NO. 024370.00

ALL DRAWINGS, DESCRIPTIONS AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE DRAWINGS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY, DESTROYED ON DEMAND AT THE COMPLETION OF THE PROJECT. THE VISUAL CONTENTS OF THESE DRAWINGS ARE PROTECTED BY ARCHITECTURAL COPYRIGHT AS AN ARCHITECTURAL WORK UNDER SECTION 102 OF THE COPYRIGHT ACT, AS AMENDED DECEMBER 1990, INCLUDING WITHOUT LIMITATION, THE ARRANGEMENT AND COMPOSITION OF SPACES AND ELEMENTS IN THE DESIGN. ALL RIGHTS RESERVED

GENERAL DRAWING NOTES

1. REFER TO RISER DIAGRAM ON P-602 AND P-603 FOR MORE INFORMATION AND SIZES NOT SHOWN.



KEYNOTES

1	1-1/2" DCW AND 1" DHW PIPING FROM FLOOR ABOVE AND TO FLOOR BELOW. SEE PW121A OR PW141A FOR CONTINUATION.
2	1-1/2" DCW AND 1" DHW PIPING FROM FLOOR ABOVE AND TO FLOOR BELOW. SEE PW121A OR PW141A FOR CONTINUATION.
3	2- 1/2" DCW AND 1" DHW PIPING FROM FLOOR ABOVE AND TO FLOOR BELOW. SEE PW121A OR PW141A FOR CONTINUATION.
4	3/4" DCW AND 1/2" DHW PIPING FROM FLOOR ABOVE AND TO FLOOR BELOW. SEE PW121A OR PW141A FOR CONTINUATION.
5	1" DCW AND DHW PIPING FROM FLOOR ABOVE AND TO FLOOR BELOW. SEE PW121A OR PW141A FOR CONTINUATION.

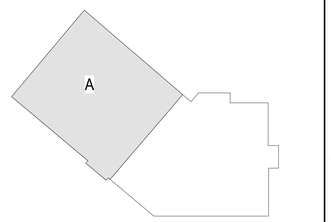
A1 PW131A **LEVEL 3 DOMESTIC WATER PLAN - AREA A**

1/8" = 1'-0"

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/22/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: AOG/JBS
DRAWN BY: AOG/JBS

SHEET TITLE:

LEVEL 3 FLOOR PLAN - AREA A - DOMESTIC WATER

SHEET NO. PW131A

PROJ. NO. 024370.00

ALL DRAWINGS, DESCRIPTIONS AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE DRAWINGS AND SPECIFICATIONS ARE NOT TO BE USED IN WHOLE OR IN PART FOR ANY PROJECT OTHER THAN THE PROJECT FOR WHICH THEY WERE PREPARED AND DEVELOPED WITHOUT THE EXPRESS WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ANY REUSE WITHOUT SUCH CONSENT OR FOR EXTENSIONS OF THIS PROJECT, EXCEPT BY AGREEMENT IN WRITING AND APPROPRIATE COMPENSATION TO MCMILLAN PAZDAN SMITH ARCHITECTURE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO MCMILLAN PAZDAN SMITH ARCHITECTURE. ALL RIGHTS RESERVED

GENERAL DRAWING NOTES

1. REFER TO RISER DIAGRAM ON P-602 AND P-603 FOR MORE INFORMATION AND SIZES NOT SHOWN.



KEYNOTES

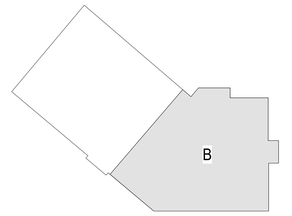
1	1-1/2" DCW AND 1-1/2" DHW FROM FLOOR ABOVE AND TO FLOOR BELOW. SEE PW121B OR PW141B FOR CONTINUATION.
2	2" DCW AND 1" DHW PIPING FROM FLOOR ABOVE AND TO FLOOR BELOW. SEE PW121B OR PW141B FOR CONTINUATION.
3	1-1/2" DCW AND 1-1/2" DHW PIPING FROM FLOOR ABOVE AND TO FLOOR BELOW. SEE PW121B OR PW141B FOR CONTINUATION.
4	3" DCW AND 2" DHW PIPING FROM FLOOR ABOVE AND TO FLOOR BELOW. SEE PW121B OR PW141B FOR CONTINUATION.
5	1-1/2" DCW AND 1" DHW PIPING FROM FLOOR ABOVE AND TO FLOOR BELOW. SEE PW121B OR PW141B FOR CONTINUATION.
6	CAP 1" DCW AND DHW PIPING FOR FUTURE
7	CAP 1" DCW AND DHW PIPING FOR FUTURE

A1 PW131B **LEVEL 3 DOMESTIC WATER PLAN - AREA B**
1/8" = 1'-0"

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY 04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: AOG/JBS
DRAWN BY: AOG/JBS

SHEET TITLE:
LEVEL 3 FLOOR PLAN - AREA B - DOMESTIC WATER

SHEET NO. PROJ. NO. 024370.00

PW131B

ALL DRAWINGS, DESCRIPTIONS AND CONCEPTS THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ANY PART OF THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED UPON REQUEST. ALL REPRODUCTIONS OF THESE DRAWINGS, IN WHOLE OR IN PART, WHETHER CONSTRUCTED OR NOT, AND ALL ADAPTATIONS THEREOF, INCLUDING BUT NOT LIMITED TO ARCHITECTURAL WORKS, MUST BEAR A VALID COPYRIGHT NOTICE IN FAVOR OF MCMILLAN PAZDAN SMITH ARCHITECTURE, AND ANY UNAUTHORIZED REPRODUCTION, ADAPTATION, PUBLICATION OR DISTRIBUTION OF THESE DRAWINGS MAY BE AN INFRINGEMENT OF COPYRIGHT.
ALL RIGHTS RESERVED

GENERAL DRAWING NOTES

1. REFER TO RISER DIAGRAM ON P-602 AND P-603 FOR MORE INFORMATION AND SIZES NOT SHOWN.



KEYNOTES

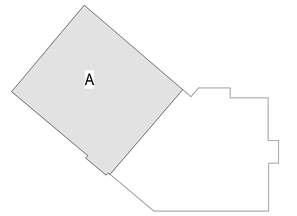
1	1-1/4" DCW AND 1" DHW PIPING DOWN TO FLOOR BELOW. SEE PW131A FOR CONTINUATION.
2	1-1/2" DCW AND 1" DHW PIPING DOWN TO FLOOR BELOW. SEE PW131A FOR CONTINUATION.
3	2-1/2" DCW AND 1" DHW PIPING DOWN TO FLOOR BELOW. SEE PW131A FOR CONTINUATION.
4	1" DCW FROM ROOF ABOVE TO SERVE ROOF HYDRANT. SEE PW151A FOR CONTINUATION.
5	3/4" DCW AND 1/2" DHW PIPING DOWN TO FLOOR BELOW. SEE PW131A FOR CONTINUATION.
6	1" DCW AND 1" DHW PIPING DOWN TO FLOOR BELOW. SEE PW131A FOR CONTINUATION.

A1 / PW141A — **Level 4-DOMESTIC WATER AREA A**
1/8" = 1'-0"

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/22/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

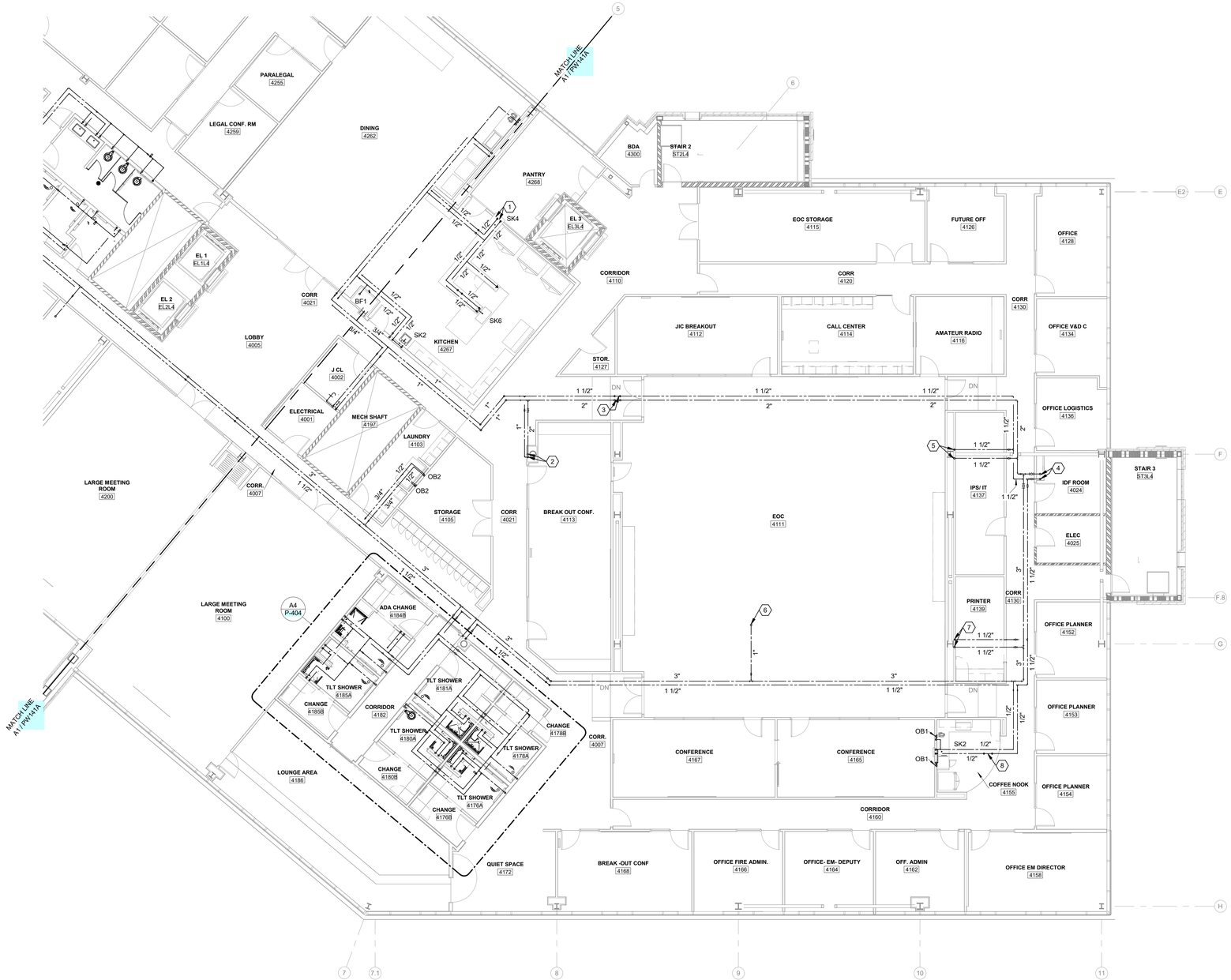
PRINCIPAL IN CHARGE: TOG
DESIGNER: AOG/JBS
DRAWN BY: AOG/JBS

SHEET TITLE:
LEVEL 4 FLOOR PLAN - AREA A - DOMESITC WATER

SHEET NO. PW141A
PROJ. NO. 024370.00

GENERAL DRAWING NOTES

1. REFER TO RISER DIAGRAM ON P-602 AND P-603 FOR MORE INFORMATION AND SIZES NOT SHOWN.



A1 PW141B **LEVEL 4-DOMESTIC WATER AREA B**

1/8" = 1'-0"

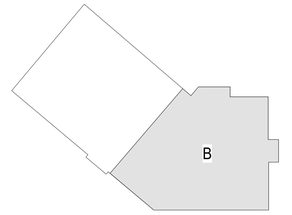
KEYNOTES

1	1/2" DCW AND DHW PIPING DOWN TO BELOW 4TH FLOOR SLAB. ROUTE UNDERSLAB TO SERVE KITEHCN ISLAND FIXTURES.
2	2" DCW AND 1" DHW PIPING DOWN TO FLOOR BELOW. SEE PW131B FOR CONTINUATION.
3	3" DCW AND 1-1/2" DHW PIPING ELBOW DOWN TO DROP UNDER STRUCTURAL BEAM.
4	3" DCW AND 2" DHW PIPING FROM FLOOR BELOW. SEE PW131B FOR CONTINUATION.
5	1-1/2" DCW AND 1-1/2" DHW PIPING DOWN TO FLOOR BELOW. SEE PW131B FOR CONTINUATION.
6	1" DCW UP TO ROOF ABOVE TO SERVE ROOF HYDRANT. SEE PW151B FOR CONTINUATION.
7	1-1/2" DCW AND 1-1/2" DHW PIPING TO FLOOR BELOW. SEE PW131B FOR CONTINUATION.
8	1/2" DHW PIPING ELBOW DOWN TO DROP UNDER HYDRONIC PIPING.

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY 04/22/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

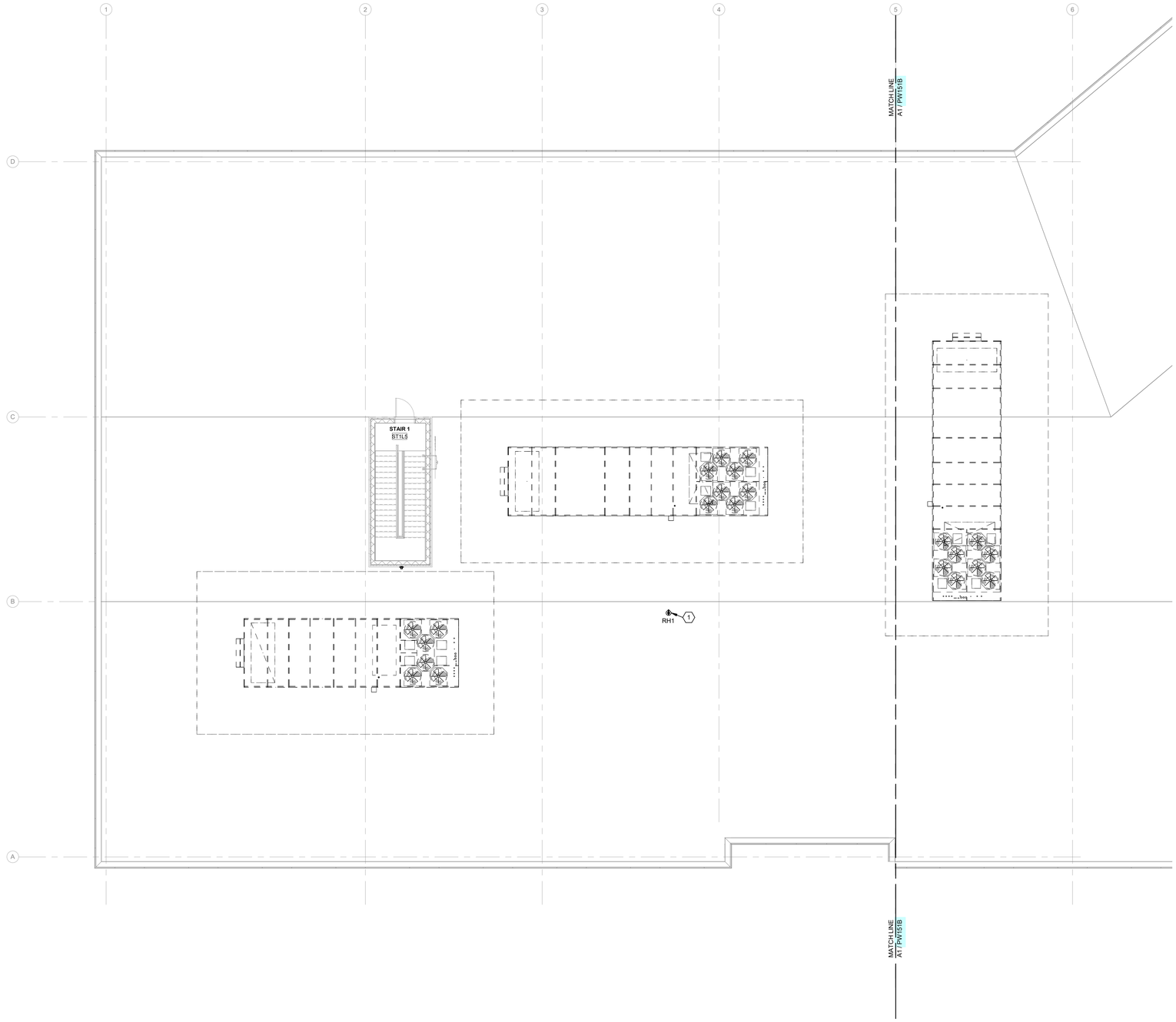
NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: AOG/JBS
DRAWN BY: AOG/JBS

SHEET TITLE:
LEVEL 4 FLOOR PLAN - AREA B - DOMESTIC WATER

SHEET NO. PW141B
PROJ. NO. 024370.00

ALL DRAWINGS, DESCRIPTIONS AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE ARE NOT TO BE USED IN WHOLE OR IN PART FOR ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED ON REQUEST AT THE COMPLETION OF THE WORK. THE PROJECT IS THAT TITLE CONVEYANCE, REMEDIATION, RESTORATION, OR ANY OTHER RIGHTS ARISING FROM PARTIAL OR FULL DESTRUCTION OF THE PROJECT. ALL RIGHTS RESERVED



KEYNOTES

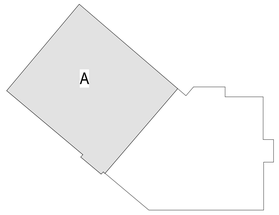
1	1" DCW DOWN TO FLOOR BELOW. SEE PW141A FOR CONTINUATION.

A1 PW151A **ROOF DOMESTIC WATER PLAN - AREA A**
1/8" = 1'-0"

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY 04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE:	02/06/2026
PHASE:	PERMIT SET

SHEET ISSUE:

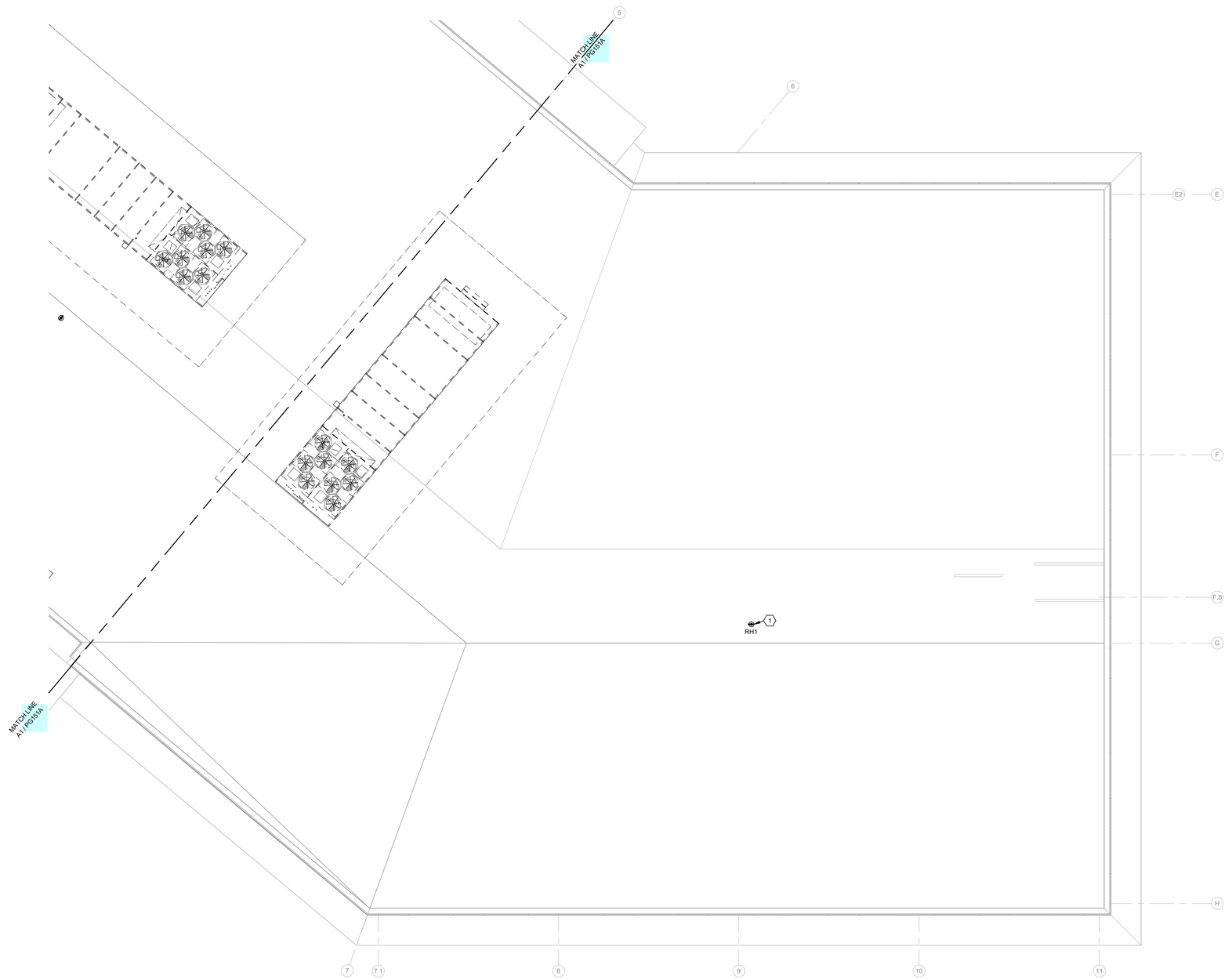
NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE:	TOG
DESIGNER:	AOG/JBS
DRAWN BY:	AOG/JBS

SHEET TITLE:
ROOF FLOOR PLAN - AREA A - DOMESTIC WATER

SHEET NO. PROJ. NO. 024370.00

PW151A



A1 PW151B **ROOF DOMESTIC WATER PLAN - AREA B**
1/8" = 1'-0"

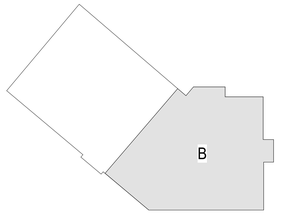
KEYNOTES

1	1" DCW DOWN TO FLOOR BELOW. SEE PW141A FOR CONTINUATION.

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: AOG/JBS
DRAWN BY: AOG/JBS

SHEET TITLE:
ROOF FLOOR PLAN - AREA B - DOMESTIC WATER

SHEET NO. PROJ. NO. 024370.00

PW151B

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED ON SUSTAINLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THEY ARE NOT TO BE USED IN ANY WAY OR FOR ANY PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED ON DEMAND AT THE COMPLETION OF THE WORK. THE PROJECT FOR WHICH THEY WERE PREPARED. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY MCMILLAN PAZDAN SMITH ARCHITECTURE FOR THE SPECIFIC PURPOSE INTENDED WILL RELIEVE MCMILLAN PAZDAN SMITH ARCHITECTURE OF ANY RESPONSIBILITY AND YOU AGREE TO INDEMNIFY MCMILLAN PAZDAN SMITH ARCHITECTURE AGAINST ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM. COPYRIGHT MCMILLAN PAZDAN SMITH ARCHITECTURE. ALL RIGHTS RESERVED



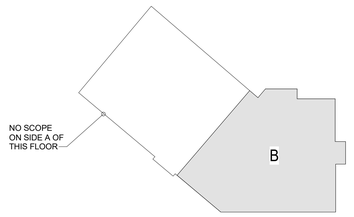
A1 / PG111B **LEVEL 1 GAS PLAN - AREA B**

1/8" = 1'-0"

KEYNOTES

1	1-1/2" NATURAL GAS PIPING TO FLOOR ABOVE. SEE PG121B FOR CONTINUATION.
2	1-1/2" NATURAL GAS PIPING ELBOW DOWN TO BELOW SERVE NATURAL GAS BOILERS.
3	SEE NATURAL GAS RISER A4/P-002 FOR MORE PIPE SIZES.
4	GAS METER SUPPLIED BY GAS COMPANY. REFER TO SITE UTILITY DRAWING SHEET C5.1 FOR CONTINUATION.

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 TROY O. GRADY 04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: TOG
DESIGNER: AOG/JBS
DRAWN BY: AOG/JBS

SHEET TITLE:
LEVEL 1 FLOOR PLAN - AREA B - GAS

SHEET NO. PG111B
PROJ. NO. 024370.00



A1 PG121B **LEVEL 2-GAS PLAN - AREA B**
1/8" = 1'-0"

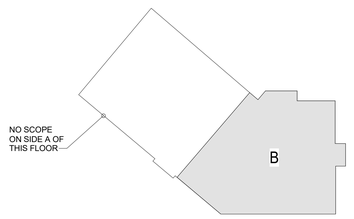
KEYNOTES

1	1-1/2" NATURAL GAS PIPING FROM FLOOR BELOW AND TO FLOOR ABOVE. SEE PG111B AND PG131B FOR CONTINUATION.

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

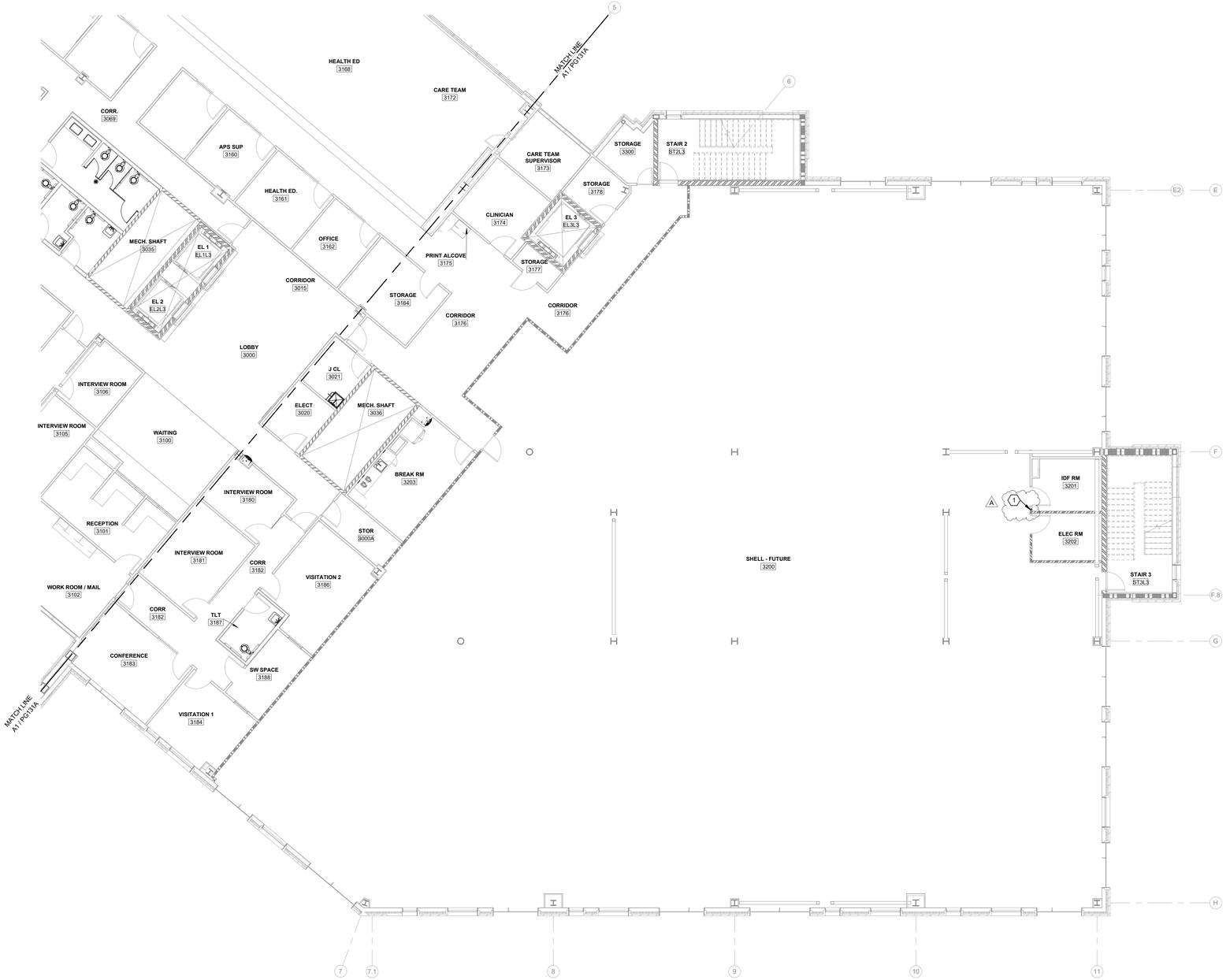
NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: TOG
DESIGNER: AOG/JBS
DRAWN BY: AOG/JBS

SHEET TITLE:
LEVEL 2 FLOOR PLAN - AREA B - GAS

SHEET NO. PROJ. NO. 024370.00

PG121B



A1 PG131B **LEVEL 3 GAS PLAN - AREA B**

1/8" = 1'-0"

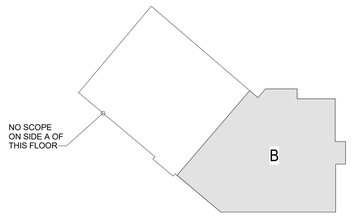
KEYNOTES

1	1-1/2" NATURAL GAS PIPING FROM FLOOR BELOW AND TO FLOOR ABOVE. SEE PG121B AND PG141B FOR CONTINUATION.

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY 04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: TOG
DESIGNER: AOG/JBS
DRAWN BY: AOG/JBS

SHEET TITLE:
LEVEL 3 FLOOR PLAN - AREA B - GAS

SHEET NO. PROJ. NO. 024370.00

PG131B

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED ON SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED



LEVEL 4 - GAS PLAN - AREA A

A1 / PG141A — 1/8" = 1'-0"

KEYNOTES

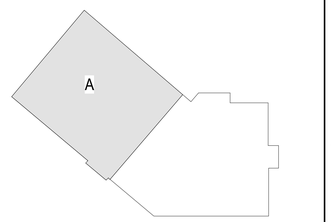
A

1 1-1/4" NATURAL GAS PIPING TO ROOF ABOVE TO SERVE NATURAL GAS ROOFTOP UNIT. SEE PG151A FOR CONTINUATION.

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



PROJECT NORTH

ALL DRAWINGS, DESCRIPTIONS AND CONCEPTS THEREOF (UNLESS OTHERWISE NOTED) ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED IN ANY WAY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY, DESTROYED UPON THE COMPLETION OF THE PROJECT. THE RIGHTS OF USE, REPRODUCTION OR RELEASE OF THESE DOCUMENTS IN ANY FORM WITHOUT THE PRIOR WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE, INVOKES STATUTORY AND COMMON LAW PENALTIES. ANY UNPUBLISHED RIGHTS RESERVED. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 TROY O. GRADY 04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES

67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: TGG
DESIGNER: AOG/JBS
DRAWN BY: AOG/JBS

SHEET TITLE:
LEVEL 4 FLOOR PLAN - AREA A - GAS

SHEET NO. PG141A
PROJ. NO. 024370.00



A1 PG141B **LEVEL 4 GAS PLAN - AREA B**
1/8" = 1'-0"

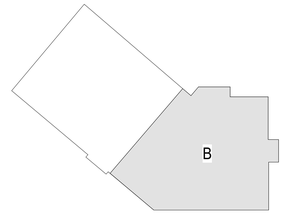
KEYNOTES

1	1-1/2" NATURAL GAS PIPING FROM FLOOR BELOW. SEE PG131B FOR CONTINUATION.
2	3" DCW AND 2" DHW PIPING ELBOW UP AND DOWN TO AVOID CONFLICT WITH OTHER PIKPING.
3	1-1/4" NATURAL GAS PIPING TO ROOF ABOVE TO SERVE NATURAL GAS ROOFTOP UNIT. SEE PG151B FOR CONTINUATION.

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY 04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

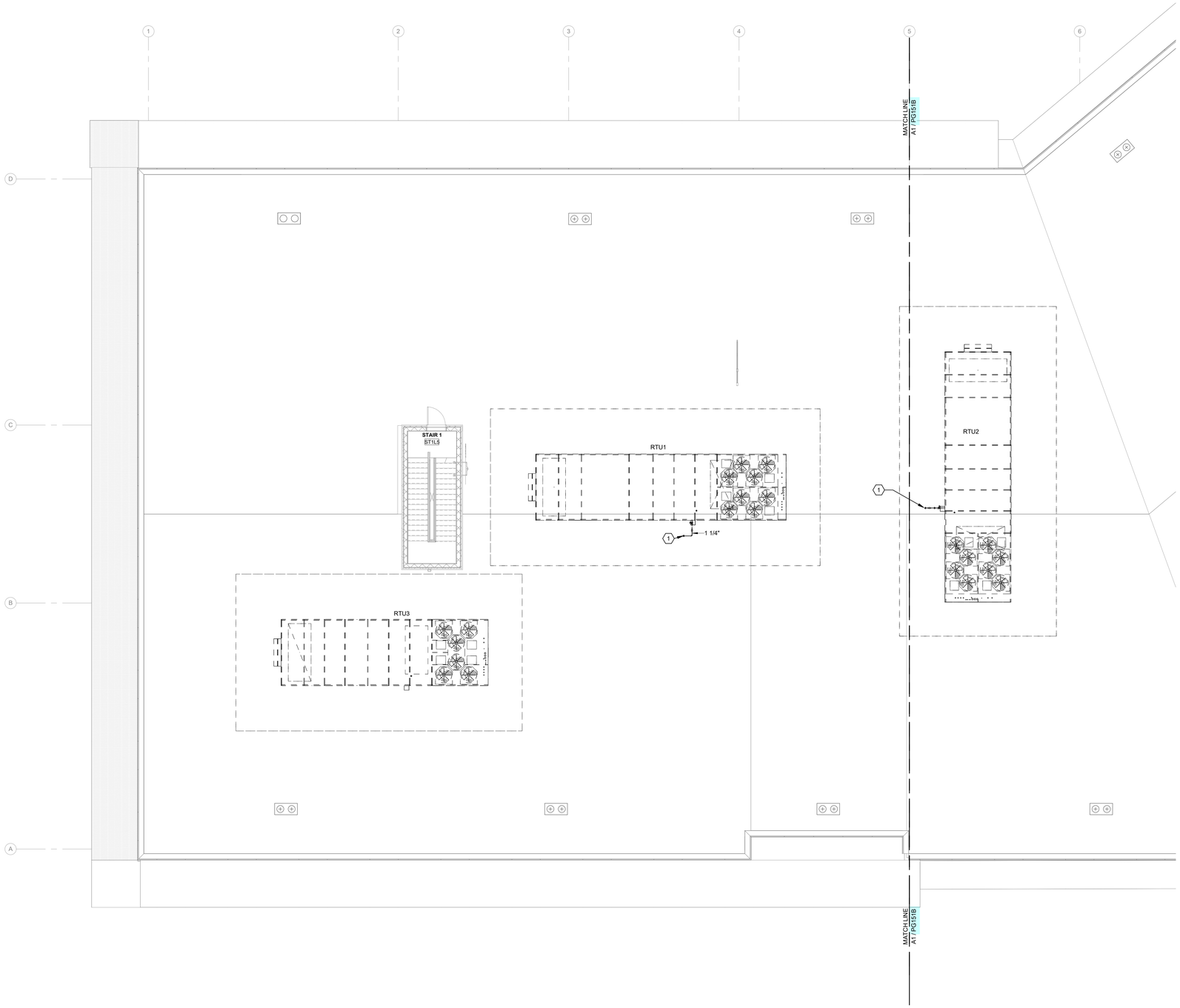
NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: TOG
DESIGNER: AOG/JBS
DRAWN BY: AOG/JBS

SHEET TITLE:
LEVEL 4 FLOOR PLAN - AREA B - GAS

SHEET NO. PROJ. NO. 024370.00

PG141B



A1 PG151A **ROOF GAS PLAN - AREA A**
1/8" = 1'-0"

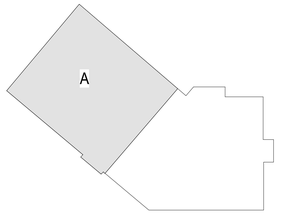
A **KEYNOTES**

1	1-1/4" NATURAL GAS PIPING FROM FLOOR BELOW TO SERVE NATURAL GAS ROOFTOP UNIT. SEE PG141A FOR CONTINUATION.

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY 04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

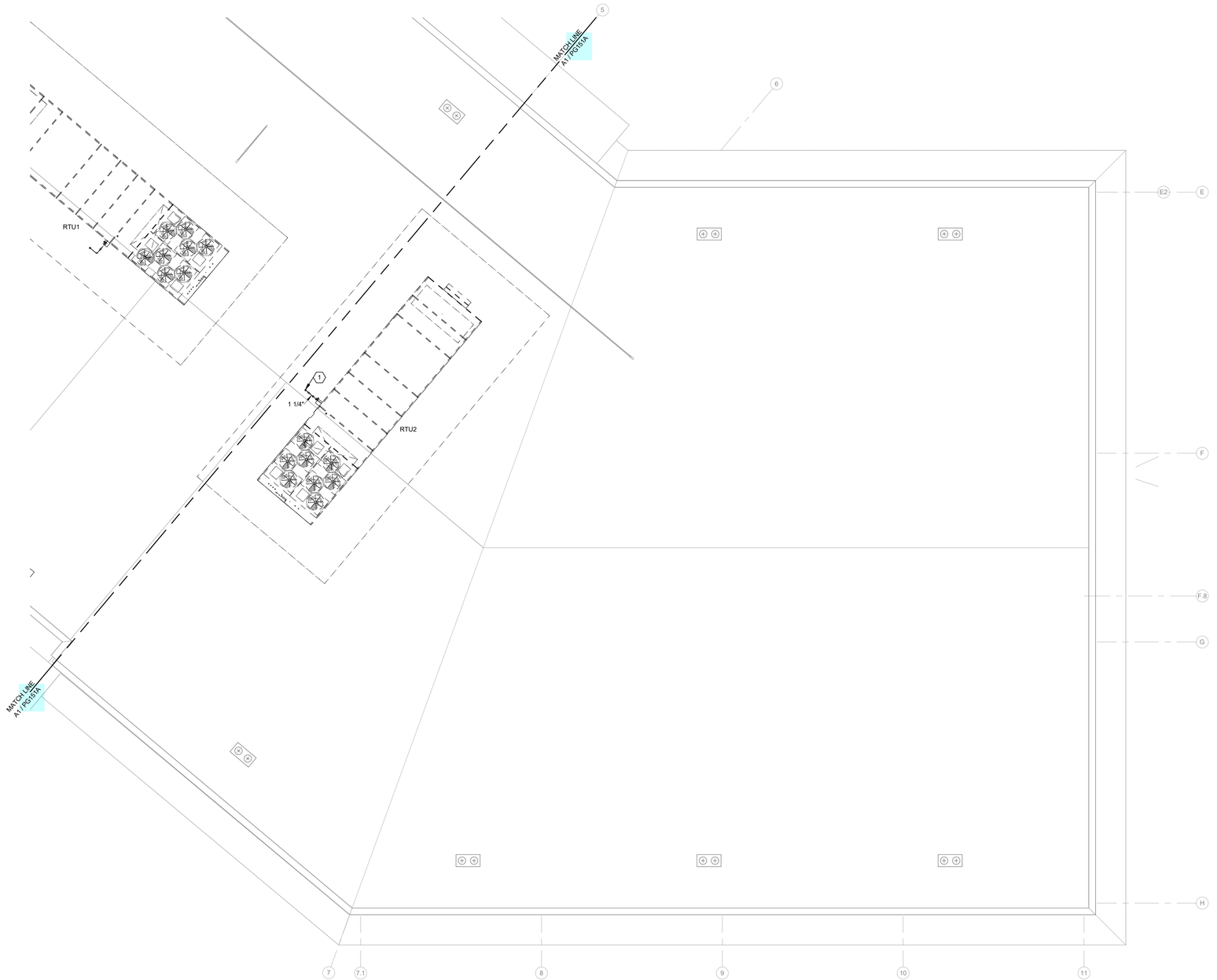
NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: TOG
DESIGNER: AOG/JBS
DRAWN BY: AOG/JBS

SHEET TITLE:
ROOF FLOOR PLAN - AREA A - GAS

SHEET NO. PROJ. NO. 024370.00

PG151A



A1 PG151B **ROOF GAS PLAN - AREA B**
1/8" = 1'-0"

A

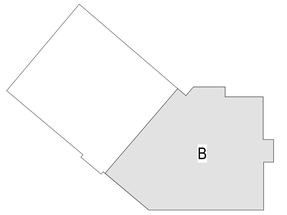
KEYNOTES

1	1-1/4" NATURAL GAS PIPING FROM FLOOR BELOW TO SERVE NATURAL GAS ROOFTOP UNIT. SEE PG141B FOR CONTINUATION.

FIRE WALL LEGEND

2 HOUR FIRE BARRIER

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	REVIEW COMMENTS 1

PRINCIPAL IN CHARGE: TOG
DESIGNER: AOG/JBS
DRAWN BY: AOG/JBS

SHEET TITLE:
ROOF FLOOR PLAN - AREA B - GAS

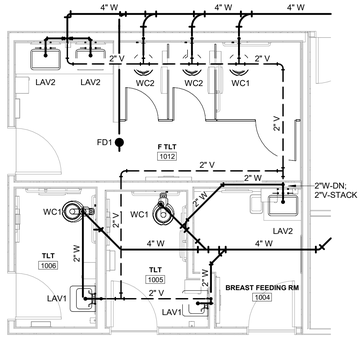
SHEET NO. PROJ. NO. 024370.00

PG151B

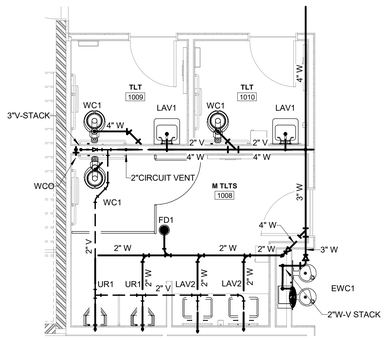
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED ON SUSTAINLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IS IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

GENERAL NOTES THIS SHEET

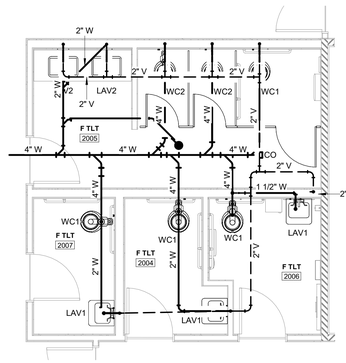
1. REFER TO WASTE-VENT RISER DIAGRAMS FOR MORE INFORMATION AND SIZES NOT SHOWN.
2. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF FLOOR DRAINS IN GANG TOILETS.



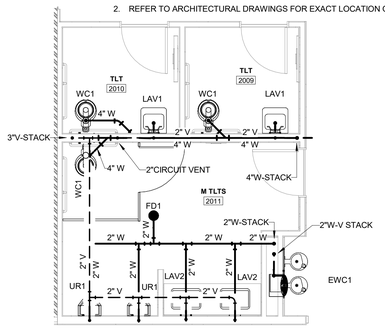
D5 P-401 **ENLARGED TOILETS 1004, 1005, 1006, 1012 WASTE-VENT PLAN**
1/4" = 1'-0"



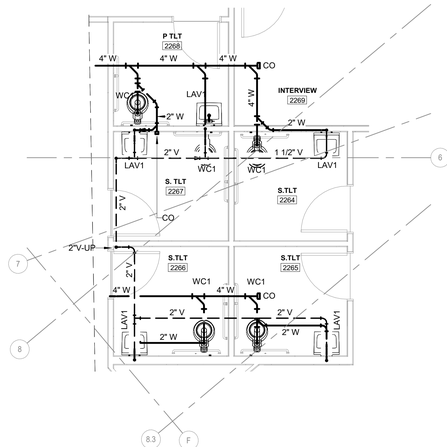
D4 P-401 **ENLARGED TOILETS 1008, 1009 1010 WASTE-VENT PLAN**
1/4" = 1'-0"



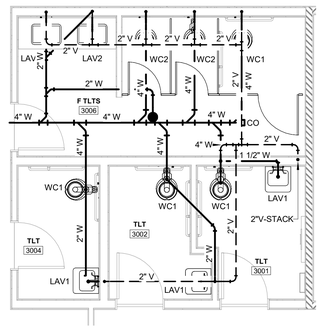
D3 P-401 **ENLARGED TOILETS 2004, 2005, 2006, 2007 WASTE-VENT PLAN**
1/4" = 1'-0"



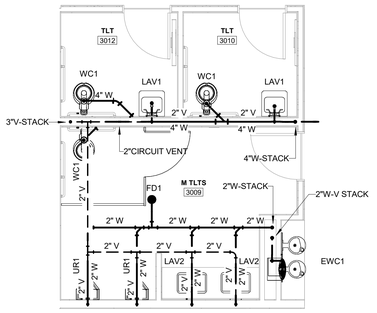
D1 P-401 **ENLARGED TOILETS 2009, 2010, 2011 WASTE-VENT PLAN**
1/4" = 1'-0"



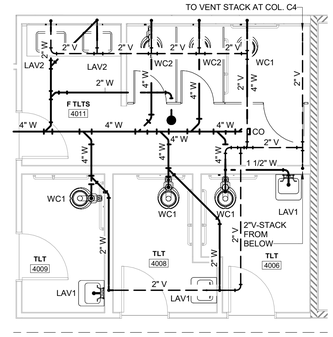
C4 P-401 **ENLARGED TOILETS 3001, 3002, 3004, 3006 WASTE-VENT PLAN**
1/4" = 1'-0"



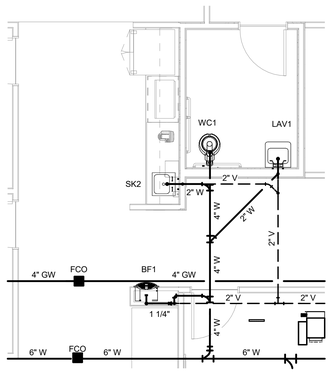
C2 P-401 **ENLARGED TOILETS 3009, 3010, 3012 WASTE-VENT PLAN**
1/4" = 1'-0"



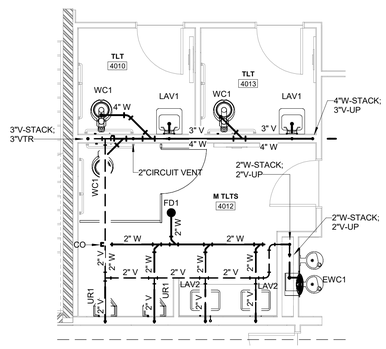
C1 P-401 **ENLARGED TOILETS 4006, 4008, 4009, 4011 WASTE-VENT PLAN**
1/4" = 1'-0"



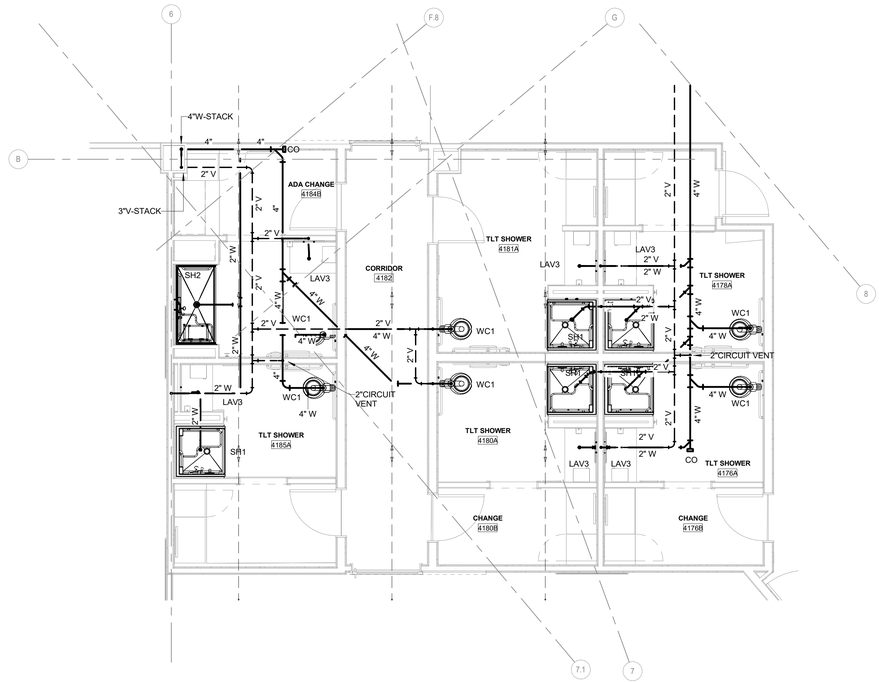
B5 P-401 **ENLARGED TOILETS 2264, 2265, 2266, 2267, 2268 WASTE-VENT PLAN**
1/4" = 1'-0"



A5 P-401 **ENLARGED TOILET 1306 WASTE-VENT PLAN**
1/4" = 1'-0"



A4 P-401 **ENLARGED TOILETS 4010, 4012, 4013 WASTE-VENT PLAN**
1/4" = 1'-0"



A2 P-401 **ENLARGED TOILETS 4176, 4178, 4180, 4181, 4184, 4185 WASTE-VENT PLAN**
1/4" = 1'-0"

ALL DRAWINGS, DESCRIPTIONS AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE ALL DRAWINGS, DESCRIPTIONS AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED ON FINAL COMPLETION OF THE FINISHED WORK FOR WHICH THEY WERE PREPARED. ANY REUSE, UNAUTHORIZED RETENTION OR TRANSFER OF THESE MATERIALS WITHOUT THE WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE IS PROHIBITED. ANY UNAUTHORIZED USE, REPRODUCTION OR TRANSFER TO A THIRD PARTY, INCLUDING BUT NOT LIMITED TO, ANY REPRODUCTION OF DRAWINGS OR ELECTRONIC MEDIA, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO MCMILLAN PAZDAN SMITH ARCHITECTURE. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/22/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

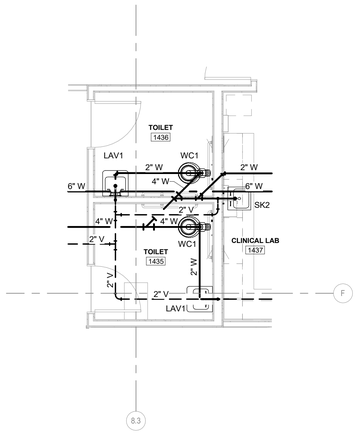
ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:

NO.	DATE	DESCRIPTION

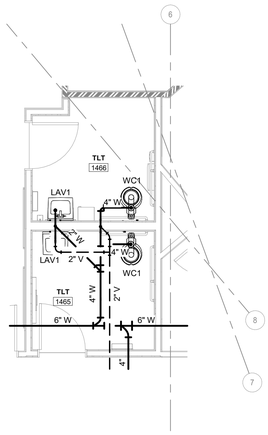
PRINCIPAL IN CHARGE: TDG
DESIGNER: AOG/JBS
DRAWN BY: AOG/JBS

SHEET TITLE:
ENLARGED PLANS

SHEET NO. P-401
PROJ. NO. 024370.00



C5 P-402 **ENLARGED TOILETS 1435, 1436 WASTE-VENT PLAN**
1/4" = 1'-0"



C4 P-402 **ENLARGED TOILETS 1465, 1466 WASTE-VENT PLAN**
1/4" = 1'-0"

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

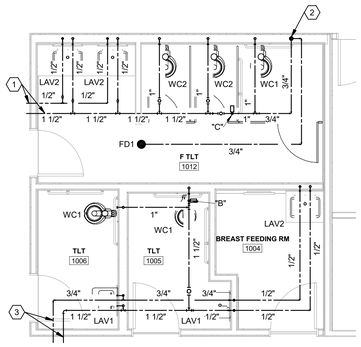
PRINCIPAL IN CHARGE: TOG
DESIGNER: AOG/JBS
DRAWN BY: AOG/JBS

SHEET TITLE:
ENLARGED PLANS

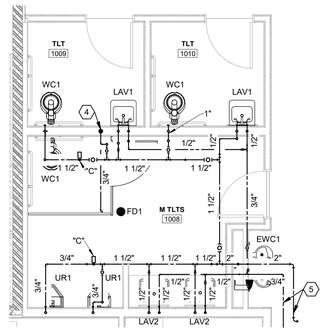
SHEET NO. PROJ. NO. 024370.00

P-402

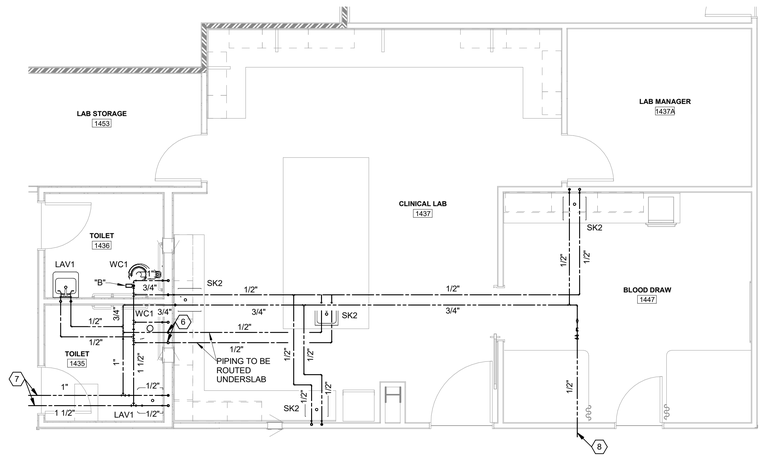
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ANY PART OF THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED ON DEMAND. SUBMISSION OR DISTRIBUTION OF THESE MATERIALS TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THIS PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS.
ALL RIGHTS RESERVED



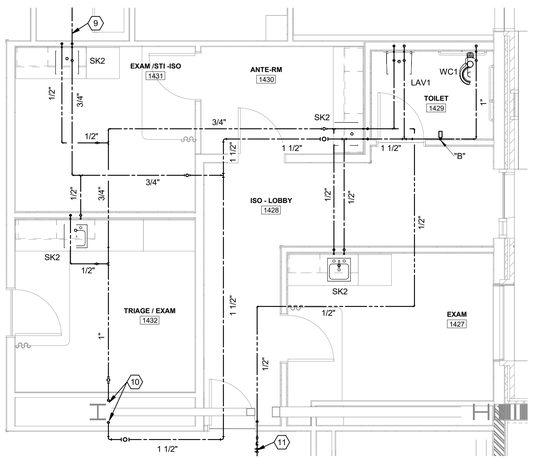
C5 P-403 **ENLARGED TOILETS 1004, 1005, 1006, 1012 DOMESTIC WATER PLAN**
1/4" = 1'-0"



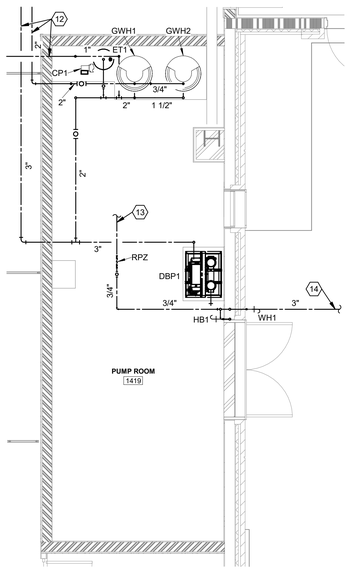
C4 P-403 **ENLARGED TOILETS 1008, 1009, 1010 DOMESTIC WATER PLAN**
1/4" = 1'-0"



C2 P-403 **ENLARGED CLINICAL LAB 1437 AND TLT 1436**
1/4" = 1'-0"



A5 P-403 **ENLARGED EXAM AREAS 1427-1432**
1/4" = 1'-0"



A3 P-403 **ENLARGED PUMP ROOM 1419**
1/4" = 1'-0"

KEYNOTES

1	1-1/2" DCW AND 3/4" DHW PIPING CONTINUES TO MAIN. SEE PW111A FOR CONTINUATION.
2	TRAP PRIMER, TYP. REFER TO DETAIL B3/P-501 FOR MORE INFOMATION.
3	1-1/4" DCW AND 1" DHW PIPING CONTINUES TO MAIN. SEE PW111A FOR CONTINUATION
4	TRAP PRIMER, TYP. REFER TO DETAIL B3/P-501 FOR MORE INFOMATION.
5	2" DCW AND 1" DHW PIPING CONTINUES TO MAIN. SEE PW111A FOR CONTINUATION.
6	1/2" DCW AND DHW PIPING DOWN WALL TO UNDERSLAB
7	1-1/2" DCW AND 1-1/4" DHW CONTINUES TO MAIN.. SEE PW141B FOR CONTINUATION.
8	3/4" HOT WATER PIPING BACK TO WATER HEATERS. SEE PW111B FOR CONTINUATION.
9	3/4" DCW PIPING BACK TO SERVE WH1. SEE PW111B FOR CONTINUATION.
10	1-1/2" DCW AND 1" DHW PIPING FROM FLOOR ABOVE. SEE PW121B FOR CONTINUATION.
11	3/4" HOT WATER PIPING BACK TO WATER HEATERS. SEE PW111B FOR CONTINUATION.
12	3" DCW AND DHW PIPING 3/4" HOT WATER RETURN CONTINUES TO SERVCE ADDITIONAL . SEE PW111B FOR CONTINUATION.
13	CONTINUES TO HEATING HOT WATER SYSTEM. SEE DETAILS C2 AND C5 ON M-501 FOR MORE INFORMATION. COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR
14	3" DCW SERVICE. SEE SITE UTILITY DRAWING SHEET C4 FOR CONTINUATION.

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/22/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

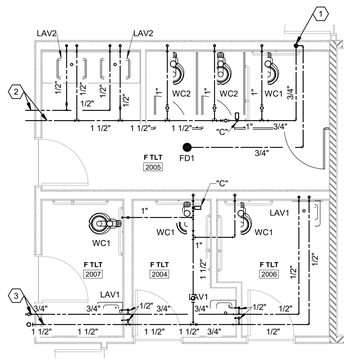
SHEET ISSUE:

NO.	DATE	DESCRIPTION

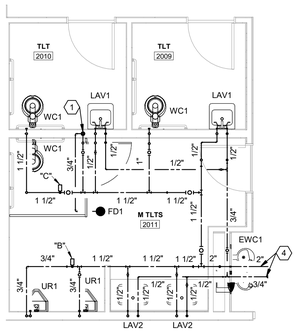
PRINCIPAL IN CHARGE: TOG
DESIGNER: AOG/JBS
DRAWN BY: AOG/JBS

SHEET TITLE:
ENLARGED PLANS

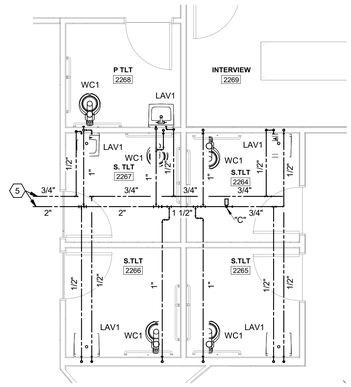
SHEET NO. P-403
PROJ. NO. 024370.00



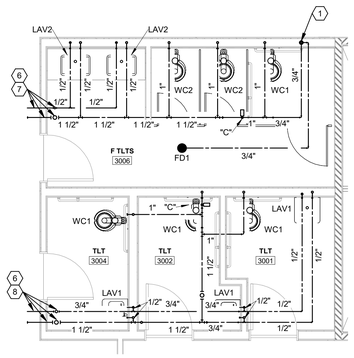
D5 / P-404 **ENLARGED TOILETS 2004, 2005, 2006, 2007 DOMESTIC WATER PLAN**
1/4" = 1'-0"



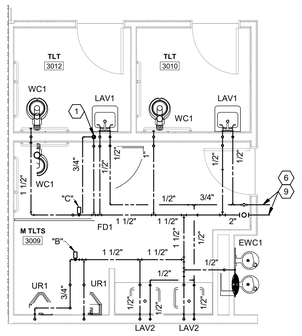
D3 / P-404 **ENLARGED TOILETS 2009, 2010, 2011 DOMESTIC WATER PLAN**
1/4" = 1'-0"



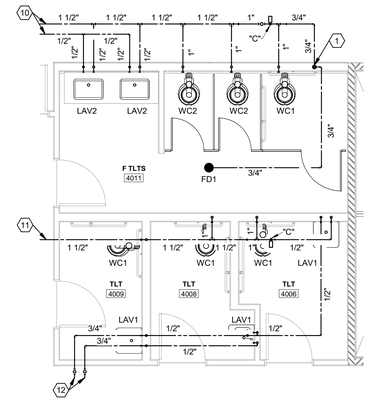
D2 / P-404 **ENLARGED TOILETS 2264, 2264, 2267, 2268 DOMESTIC WATER PLAN**
1/4" = 1'-0"



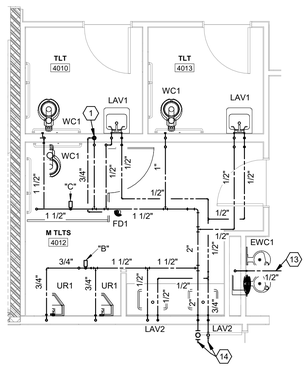
B5 / P-404 **ENLARGED TOILETS 3001, 3002, 3004, 3006 DOMESTIC WATER PLAN**
1/4" = 1'-0"



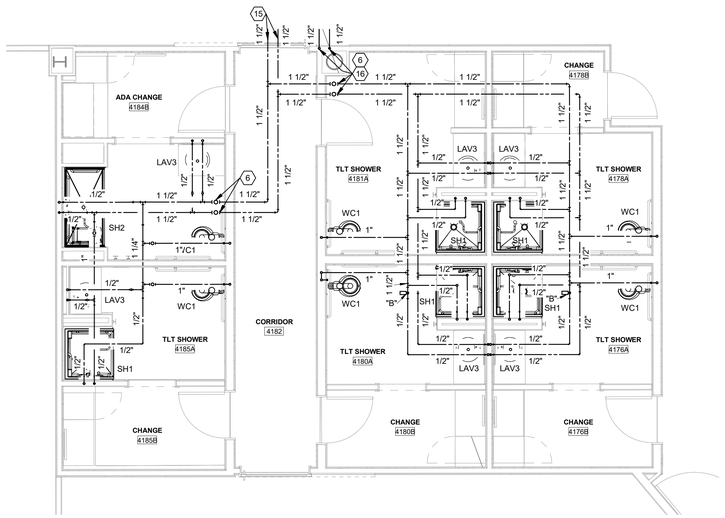
B3 / P-404 **ENLARGED TOILETS 3009, 3010, 3012 DOMESTIC WATER PLAN**
1/4" = 1'-0"



B2 / P-404 **ENLARGED TOILETS 4006, 4008, 4009, 4011 DOMESTIC WATER PLAN**
1/4" = 1'-0"



A5 / P-404 **ENLARGED TOILETS 4010, 4012, 4013 DOMESTIC WATER PLAN**
1/4" = 1'-0"



A4 / P-404 **ENLARGED TOILETS 4176, 4178, 4180, 4181, 4184, 4185 DOMESTIC WATER PLAN**
1/4" = 1'-0"

KEYNOTES

1	TRAP PRIMER, TYP. REFER TO DETAIL B3/P-501 FOR MORE INFOMATION.
2	1-1/2" DCW AND 3/4" DHW PIPING CONTINUES TO MAIN. SEE PW121A FOR CONTINUATION.
3	1-1/2" DCW AND 1" DHW PIPING CONTINUES TO MAIN. SEE PW121A FOR CONTINUATION.
4	2" DCW AND 1" DHW PIPING CONTINUES TO MAIN. SEE PW121A FOR CONTINUATION.
5	2" DCW AND 1-1/4" DHW CONTINUES TO MAIN.. SEE PW141B FOR CONTINUATION.
6	PROVIDE ACCESS PANEL IN HARD CEILINGS FOR ACCESS TO SHUTOFF VALVES.
7	1-1/2" DCW AND 3/4" DHW PIPING CONTINUES TO MAIN. SEE PW121A FOR CONTINUATION.
8	1-1/2" DCW AND 1" DHW PIPING CONTINUES TO MAIN. SEE PW131A FOR CONTINUATION.
9	2" DCW AND 1" DHW PIPING CONTINUES TO MAIN. SEE PW131A FOR CONTINUATION.
10	1-1/2" DCW AND 3/4" DHW PIPING CONTINUES TO MAIN. SEE PW141A FOR CONTINUATION.
11	1-1/2" DCW PIPING CONTINUES TO MAIN. SEE PW141A FOR CONTINUATION.
12	3/4" DCW AND DHW PIPING CONTINUES TO MAIN. SEE PW141A FOR CONTINUATION.
13	3/4" DCW PIPING CONTINUES TO MAIN. SEE PW141A FOR CONTINUATION.
14	2" DCW AND 3/4" DHW PIPING CONTINUES TO MAIN. SEE PW141A FOR CONTINUATION.
15	2" DCW AND DHW CONTINUES TO MAIN.. SEE PW141B FOR CONTINUATION.
16	1-1/2" DCW AND 1-1/2" DHW PIPING UP TO FLOOR ABOVE. SEE PW131B FOR CONTINUATION.

ALL DRAWINGS, DESCRIPTIONS AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THOSE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED ON REQUEST AT THE COMPLETION OF THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL DIMENSIONS FOR PLANS, ELEVATIONS, DRAWINGS AND DETAILS. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK. DO NOT SCALE DRAWINGS.
© COPYRIGHT 2026 MCMILLAN PAZDAN SMITH ARCHITECTURE
ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/22/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE:	02/06/2026
PHASE:	PERMIT SET

SHEET ISSUE:

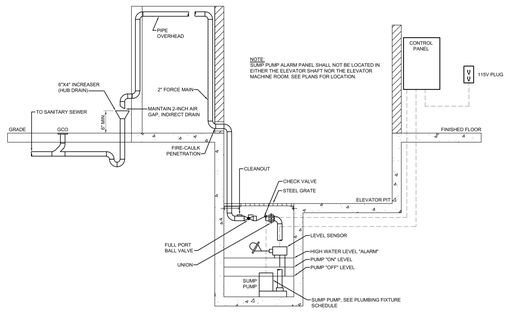
NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE:	TOG
DESIGNER:	AOG/JBS
DRAWN BY:	AOG/JBS

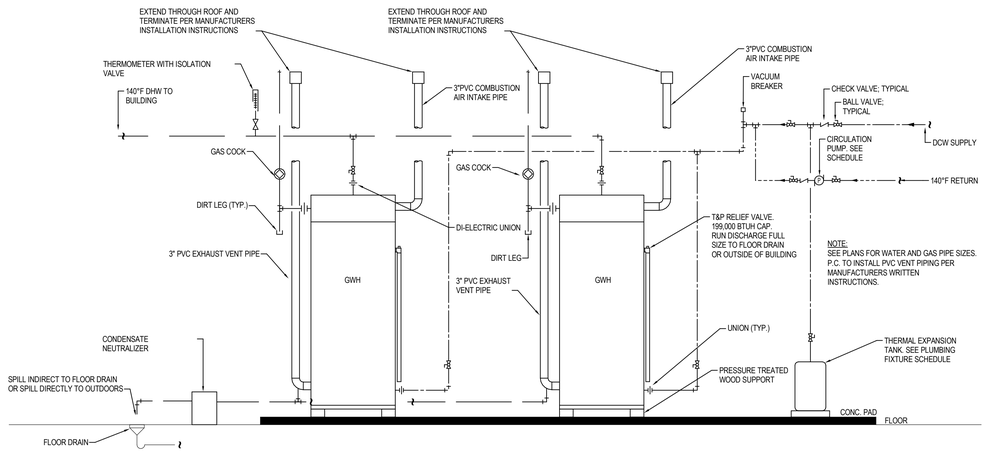
SHEET TITLE:
ENLARGED PLANS

SHEET NO. P-404
PROJ. NO. 024370.00

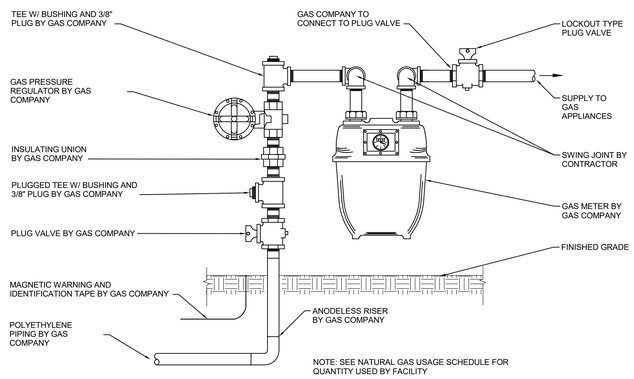
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THEY ARE NOT TO BE USED IN ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY, DESTROYED AT THE COMPLETION OF THE PROJECT. ALL REPRODUCTIONS, ELECTRONIC OR OTHERWISE, OF THE PLANS AND SPECIFICATIONS, IN WHOLE OR IN PART, CONSTITUTE INFRINGEMENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT AND OTHER PROPERTY RIGHTS AND ARE PROHIBITED WITHOUT THE WRITTEN PERMISSION OF MCMILLAN PAZDAN SMITH ARCHITECTURE.
ALL RIGHTS RESERVED



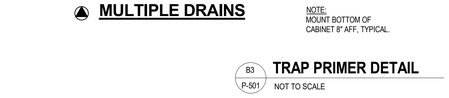
C5 / P-501 **ELEVATOR SUMP PIPING DETAIL**
NOT TO SCALE



D2 / P-501 **TWO GAS WATER HEATER DETAIL**
NOT TO SCALE



B5 / P-501 **GAS SERVICE DETAIL 2**
NOT TO SCALE



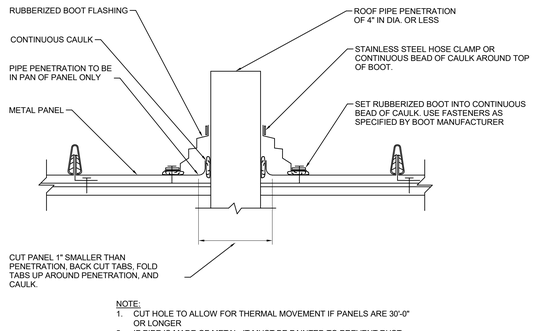
MULTIPLE DRAINS

NOTE:
MOUNT BOTTOM OF CABINET 8" AFF, TYPICAL.



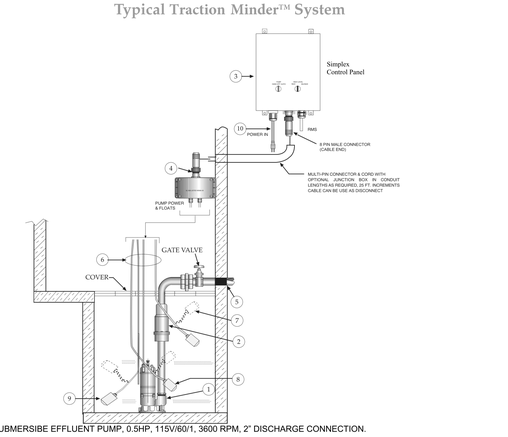
SINGLE DRAIN

B3 / P-501 **TRAP PRIMER DETAIL**
NOT TO SCALE

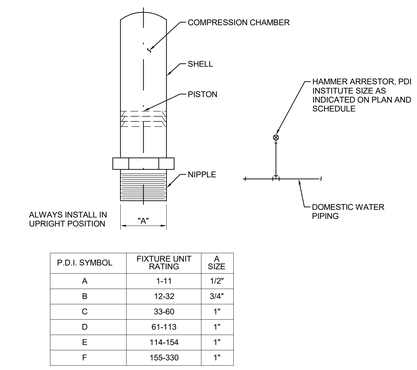


NOTE:
1. CUT HOLE TO ALLOW FOR THERMAL MOVEMENT IF PANELS ARE 30'-0" OR LONGER
2. IF PIPE IS MADE OF METAL, IT MUST BE PAINTED TO PREVENT RUST RUN-OFF FROM STAINING PANELS.
3. POSITION SQUARE BASE BOOT IN A DIAMOND ORIENTATION WHERE POSSIBLE TO AID IN DIVERTING WATER.

C1 / P-501 **VTR METAL ROOF DETAIL**
NOT TO SCALE

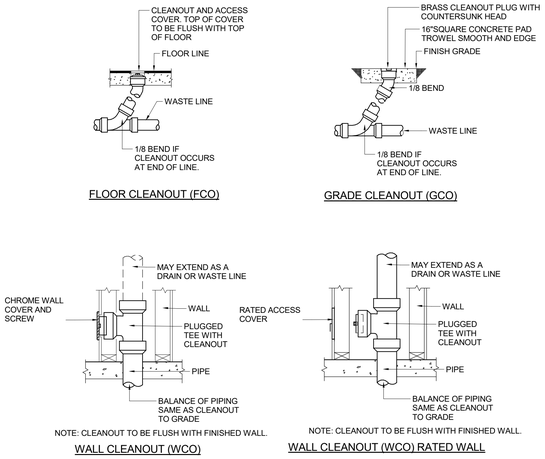


A4 / P-501 **ELEVATOR SUMP PUMP DETAIL**
NOT TO SCALE

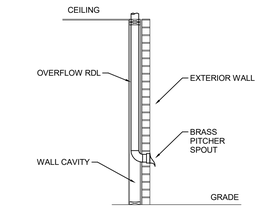


P.D.I. SYMBOL	FIXTURE UNIT RATING	A SIZE
A	1-11	1/2"
B	12-32	3/4"
C	33-60	1"
D	61-113	1"
E	114-154	1"
F	155-330	1"

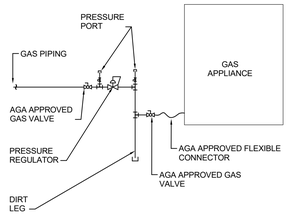
A3 / P-501 **HAMMER ARRESTOR DETAIL**
NOT TO SCALE



A5 / P-501 **TYPICAL CLEANOUT DETAILS**
NOT TO SCALE



B1 / P-501 **DOWNSPOUT NOZZLE DETAIL**
NOT TO SCALE



A1 / P-501 **GAS APPLIANCE CONNECTION DETAIL**
NOT TO SCALE

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY
04/22/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: AOG/JBS
DRAWN BY: AOG/JBS

SHEET TITLE:
PLUMBING DETAILS

SHEET NO. P-501
PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

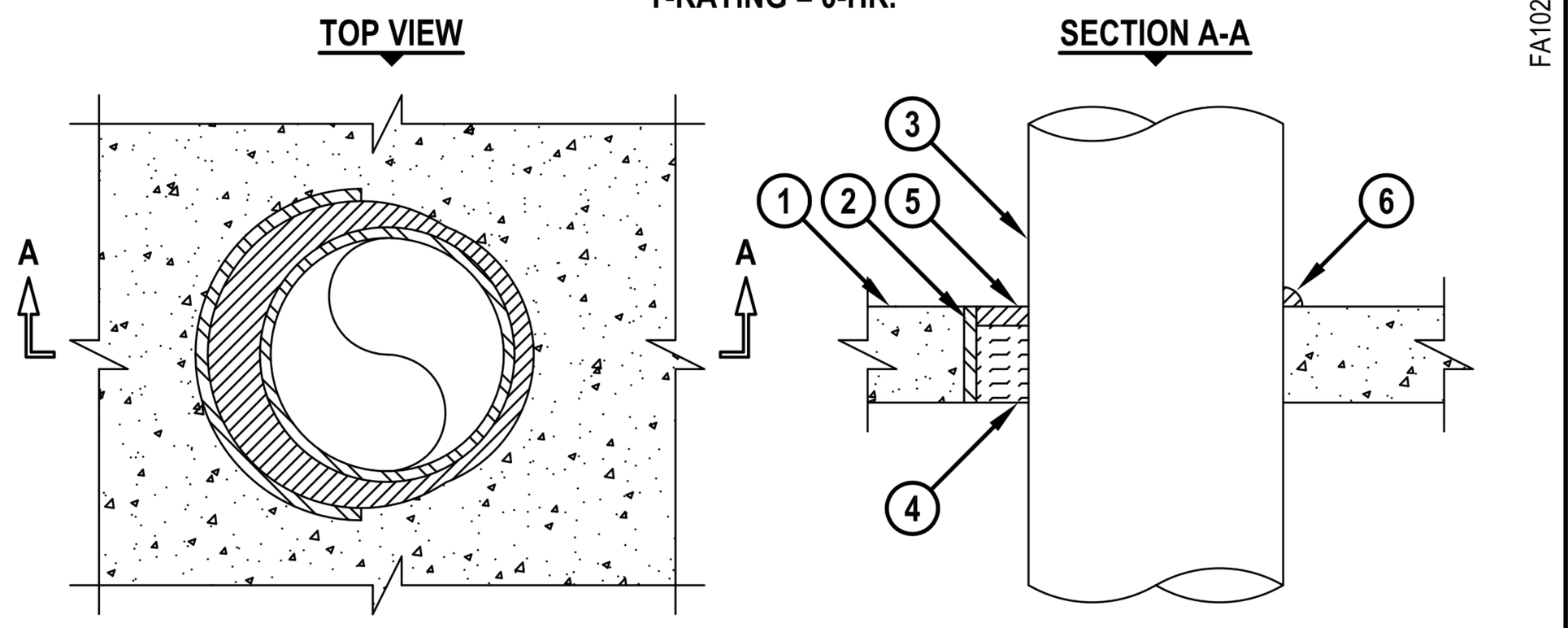
UL/cUL SYSTEM NO. F-A-1028

METAL PIPE THROUGH CONCRETE FLOOR OR CONCRETE FLOOR OVER METAL DECKING

F-RATING = 2-HR.
T-RATING = 0-HR.

FA1028d.010715

TOP VIEW / SECTION A-A



1. CONCRETE FLOOR ASSEMBLY (2-HR. FIRE-RATING) :
   A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR (MINIMUM 2-1/2" THICK).
   B. STEEL FLOOR UNIT/FLOOR ASSEMBLY - NORMAL WEIGHT CONCRETE FLOOR (MINIMUM 2-1/2" THICK) OVER METAL DECKING.
2. [OPTIONAL] ANY OF THE FOLLOWING STEEL SLEEVES MAY BE USED :
   A. MAXIMUM 32" NOMINAL DIAMETER STEEL PIPE SLEEVE (SCHEDULE 40 OR HEAVIER).
   B. MAXIMUM 6" (MIN. 26 GA.) OR 12" (MIN. 24 GA.) DIAMETER GALVANIZED STEEL SLEEVE WITH SQUARE FLANGE SPOT WELDED TO BOTTOM OF SLEEVE AND SIZED MINIMUM 2" LARGER THAN SLEEVE DIAMETER. SLEEVE MAY EXTEND MAXIMUM 1" ABOVE TOP SURFACE OF FLOOR. WHEN USED ON METAL DECKS, STEEL FLANGE SPOT WELDED TO THE SLEEVE AT APPROXIMATE MID-HEIGHT AND MAY EXTEND A MAXIMUM OF 4" BELOW THE BOTTOM OF THE DECK.
3. PENETRATING ITEM TO BE ONE OF THE FOLLOWING :
   A. MAXIMUM 30" NOMINAL DIAMETER STEEL PIPE (SCHEDULE 10 OR HEAVIER).
   B. MAXIMUM 30" NOMINAL DIAMETER CAST IRON PIPE.
   C. MAXIMUM 6" NOMINAL DIAMETER COPPER PIPE.
   D. MAXIMUM 6" NOMINAL DIAMETER STEEL CONDUIT.
   E. MAXIMUM 4" NOMINAL DIAMETER EMT.
4. MINIMUM 2" THICKNESS MINERAL WOOL (MIN. 4 PCF DENSITY) TIGHTLY PACKED.
5. MINIMUM 1/2" DEPTH HILTI FS-ONE MAX OR FS-ONE INTUMESCENT FIRESTOP SEALANT.
6. MINIMUM 1/2" BEAD HILTI FS-ONE MAX OR FS-ONE INTUMESCENT FIRESTOP SEALANT APPLIED AT POINT OF CONTACT.

NOTES : 1. MAXIMUM DIAMETER OF OPENING = 31-7/8".
2. ANNULAR SPACE = MINIMUM 0", MAXIMUM 1-7/8".

Hilti Firestop Systems | HILTI, Inc. Tulsa, Oklahoma USA (800) 879-8000 | Sheet 1 of 1 | Scale 3/16" = 1" | Date Jan. 07, 2015 | Drawing No. FA 1028d

Saving Lives through Innovation and Education

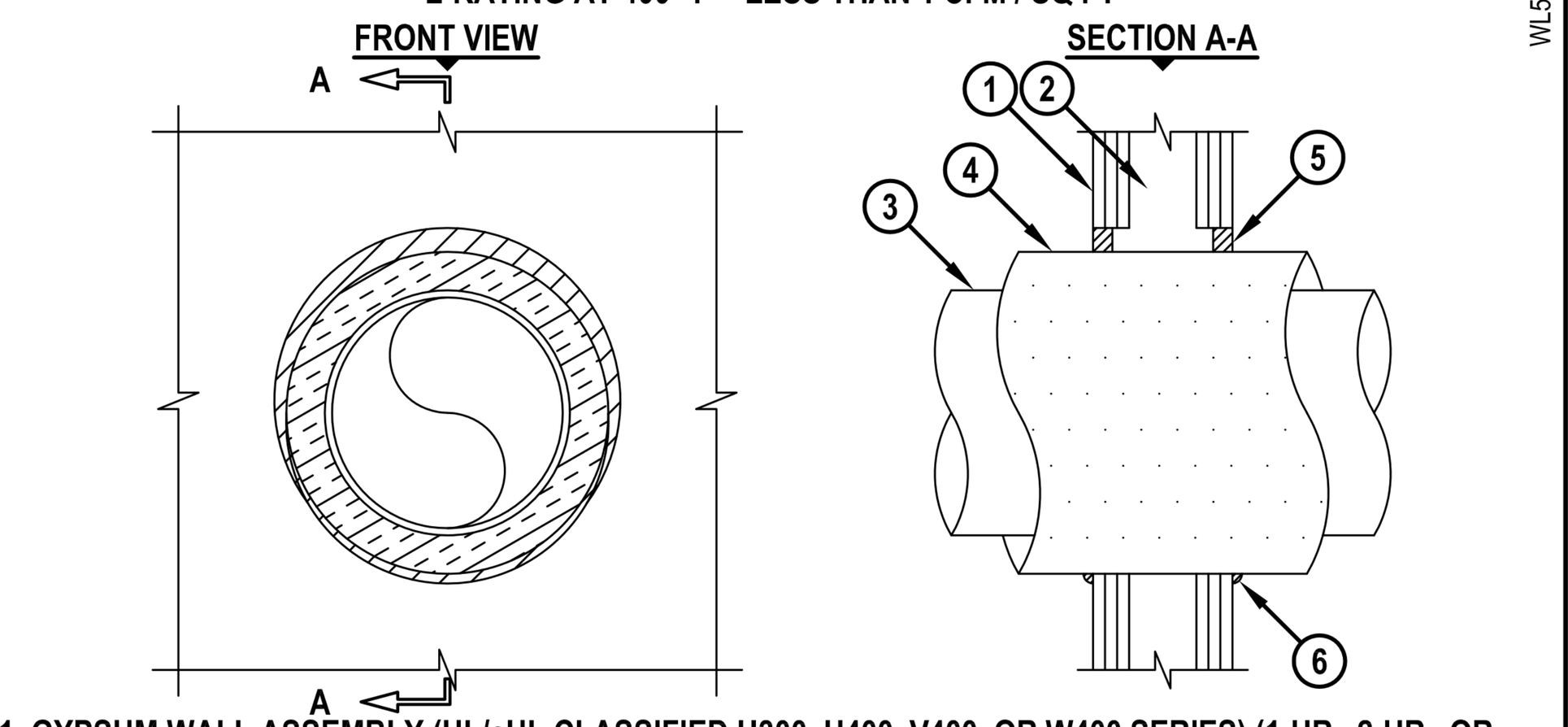
UL/cUL SYSTEM NO. W-L-5029

INSULATED METAL PIPE THROUGH GYPSUM WALL ASSEMBLY

F-RATING = 1-HR., 2-HR., OR 3-HR.
T-RATING = 0-HR., 1/2-HR., 1-HR., OR 1-1/4-HR. (SEE UL FIRE RESISTANCE DIRECTORY)
L-RATING AT AMBIENT = 4 CFM / SQ FT
L-RATING AT 400° F = LESS THAN 1 CFM / SQ FT

WL5029q.011415

FRONT VIEW / SECTION A-A



1. GYPSUM WALL ASSEMBLY (UL/cUL CLASSIFIED U300, U400, V400, OR W400 SERIES) (1-HR., 2-HR., OR 3-HR. FIRE-RATING) (3-HR. SHOWN).
2. [NOT SHOWN] WOOD STUDS TO CONSIST OF NOMINAL 2" x 4" LUMBER. STEEL STUDS TO BE MINIMUM 2-1/2" (FOR 1-HR. OR 2-HR. FIRE-RATING) OR 3-1/2" (FOR 3-HR. FIRE-RATING) WIDE.
3. PENETRATING ITEM TO BE ONE OF THE FOLLOWING :
   A. MAXIMUM 12" NOMINAL DIAMETER STEEL PIPE (SCHEDULE 10 OR HEAVIER).
   B. MAXIMUM 12" NOMINAL DIAMETER CAST OR DUCTILE IRON PIPE.
   C. MAXIMUM 6" NOMINAL DIAMETER COPPER PIPE OR TUBING (FOR 3-HR. WALLS, COPPER PIPE OR TUBING SHALL BE MAXIMUM 4" NOMINAL DIAMETER).
4. NOMINAL 1", 1-1/2" OR 2" THICK GLASS-FIBER PIPE INSULATION OR MAXIMUM 2" THICK CALCIUM SILICATE PIPE INSULATION (SEE NOTE NO. 4 BELOW).
5. HILTI FS-ONE MAX OR FS-ONE INTUMESCENT FIRESTOP SEALANT :
   A. MINIMUM 5/8" DEPTH REQUIRED FOR 1-HR. OR 2-HR. FIRE-RATING.
   B. MINIMUM 1" DEPTH REQUIRED FOR 3-HR. FIRE-RATING.
6. MINIMUM 1/2" BEAD HILTI FS-ONE MAX OR FS-ONE INTUMESCENT FIRESTOP SEALANT APPLIED AT POINT OF CONTACT.

NOTES : 1. MAXIMUM DIAMETER OF OPENING = 18-5/8".
2. ANNULAR SPACE (FOR 1-HR. OR 2-HR. FIRE-RATING) = MINIMUM 0", MAXIMUM 1-7/8".
3. ANNULAR SPACE (FOR 3-HR. FIRE-RATING) = MINIMUM 0", MAXIMUM 1-1/4".
4. WHEN CALCIUM SILICATE PIPE INSULATION IS USED, SECURE INSULATION TO PIPE WITH STAINLESS STEEL BANDS OR MINIMUM 18 AWG STAINLESS STEEL WIRE AT MAXIMUM 12" O.C.

Hilti Firestop Systems | HILTI, Inc. Tulsa, Oklahoma USA (800) 879-8000 | Sheet 1 of 1 | Scale 3/32" = 1" | Date Jan. 14, 2015 | Drawing No. WL 5029q

Saving Lives through Innovation and Education

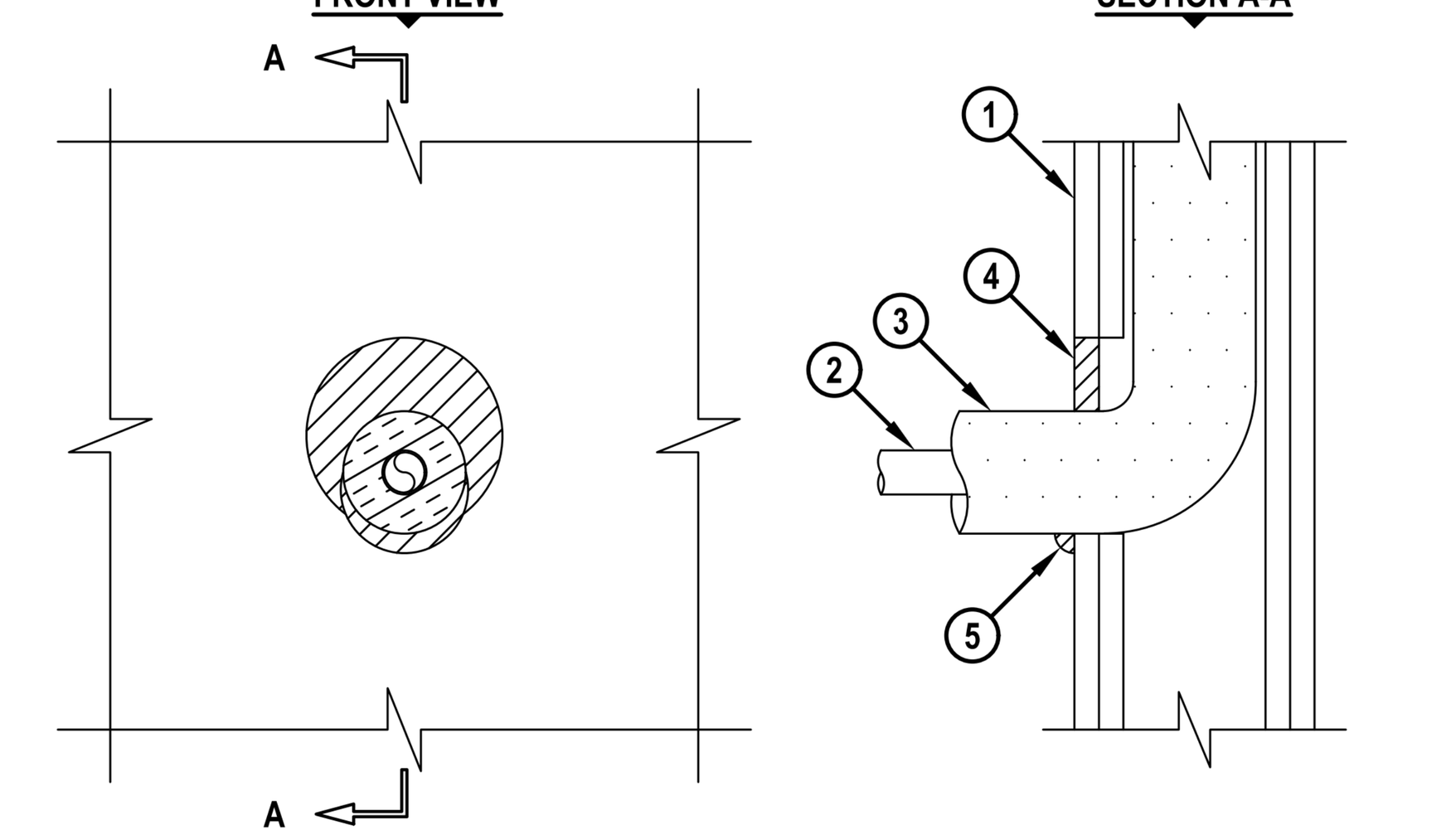
UL/cUL SYSTEM NO. W-L-5387

INSULATED METAL PIPE THROUGH GYPSUM WALL ASSEMBLY

F-RATING = 1-HR. OR 2-HR.
T-RATING = 0-HR., 3/4-HR., OR 1-HR.
L-RATING AT AMBIENT = LESS THAN 1 CFM / SQ FT OR 4 CFM / SQ FT (SEE TABLE BELOW)
L-RATING AT 400°F = LESS THAN 1 CFM / SQ FT

WL5387b.022825

FRONT VIEW / SECTION A-A



UL/cUL SYSTEM NO. W-L-5387

INSULATED METAL PIPE THROUGH GYPSUM WALL ASSEMBLY

F-RATING = 1-HR. OR 2-HR.
T-RATING = 0-HR., 3/4-HR., OR 1-HR.
L-RATING AT AMBIENT = LESS THAN 1 CFM / SQ FT OR 4 CFM / SQ FT (SEE TABLE BELOW)
L-RATING AT 400°F = LESS THAN 1 CFM / SQ FT

WL5387b.022825

1. GYPSUM WALL ASSEMBLY (UL/cUL CLASSIFIED U300, U400, V400, OR W400 SERIES) (1-HR. OR 2-HR. FIRE-RATING) (2-HR. SHOWN) TO INCLUDE THE FOLLOWING CONSTRUCTION FEATURES :
   A. [NOT SHOWN] WOOD STUDS TO CONSIST OF NOMINAL 2" x 4" LUMBER (SPACED MAXIMUM 16" OC). STEEL STUDS TO BE MINIMUM 3-5/8" WIDE (SPACED MAXIMUM 24" OC).
   B. NOMINAL 5/8" THICK GYPSUM WALLBOARD. TYPE, NUMBER OF LAYERS, AND SHEET ORIENTATION AS SPECIFIED IN THE INDIVIDUAL UL DESIGN.
2. PENETRATING ITEM TO BE ONE OF THE FOLLOWING:
   A. NOMINAL 1" DIAMETER STEEL PIPE (SCHEDULE 5 OR HEAVIER).
   B. NOMINAL 1" DIAMETER CAST OR DUCTILE IRON PIPE.
   C. NOMINAL 1" DIAMETER COPPER PIPE OR TUBING.
3. PIPE INSULATION TO BE ONE OF THE FOLLOWING (SEE TABLE BELOW):
   A. MINIMUM 1/2" TO MAXIMUM 1" THICK GLASS-FIBER PIPE INSULATION
   B. MINIMUM 1/2" TO MAXIMUM 3/4" THICK NBR/PVC OR AB/PVC FLEXIBLE FOAM PIPE INSULATION
   C. MINIMUM 1/2" TO MAXIMUM 3/4" THICK EPDM RUBBER PIPE INSULATION.
4. MINIMUM 5/8" DEPTH HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT.
5. MINIMUM 1/2" BEAD HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT APPLIED AT POINT OF CONTACT.

INSULATION TYPE	SIZE OF OPENING	MINIMUM ANNULAR SPACE	MAXIMUM ANNULAR SPACE	CONTINUOUS POC (POINT OF CONTACT)	L-RATING AT AMBIENT, CFM / SQ FT
NBR, AB/PVC, OR EPDM	4"	0", POINT CONTACT	1-1/2"	NO	LESS THAN 1
GLASS-FIBER	5"	0", POINT CONTACT	2-1/4"	YES	4

Hilti Firestop Systems | HILTI, Inc. Plano, Texas USA (800) 879-8000 | Sheet 2 of 2 | Scale - | Date Feb. 28, 2025 | Drawing No. WL 5387b

Saving Lives through Innovation and Education

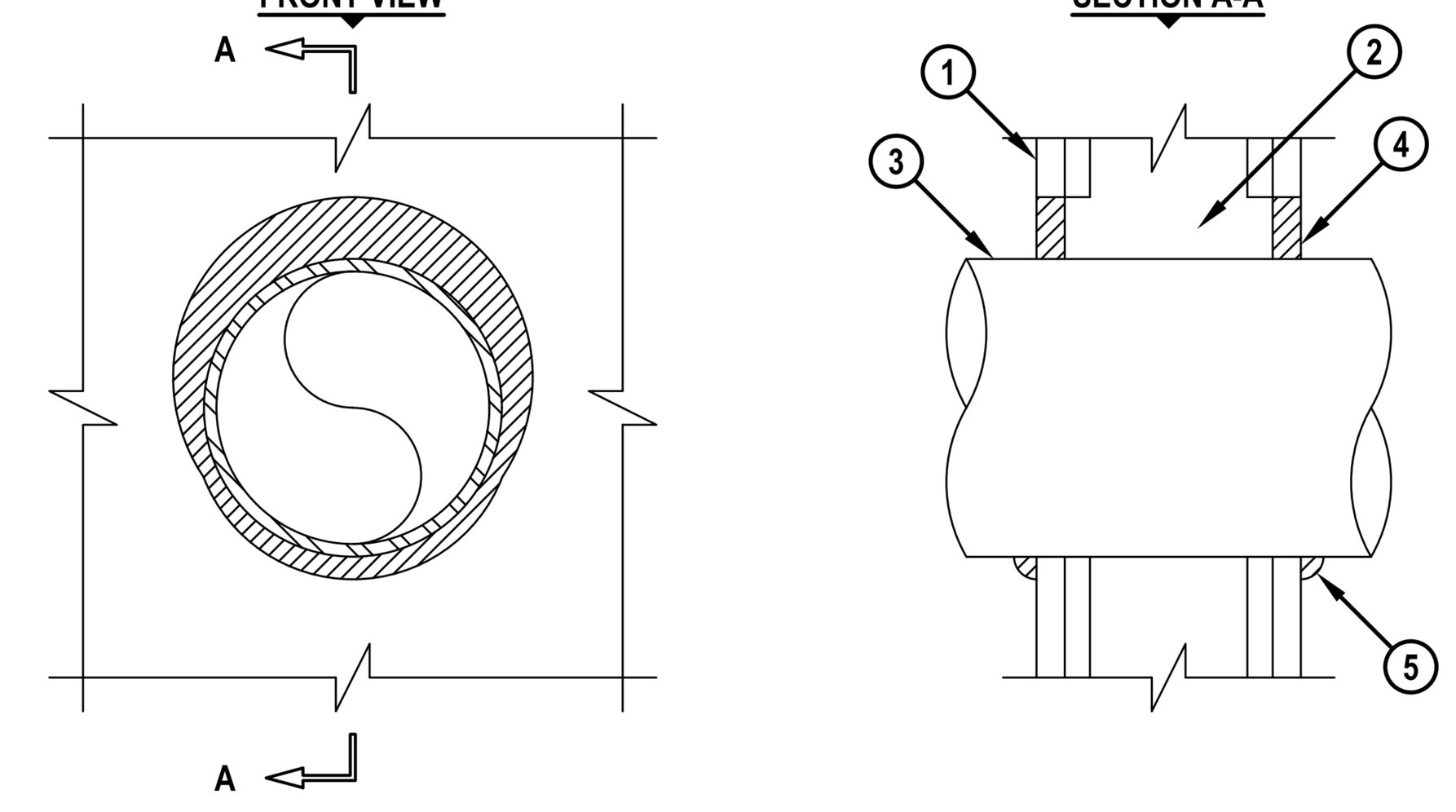
UL/cUL SYSTEM NO. W-L-1054

METAL PIPE THROUGH GYPSUM WALL ASSEMBLY

F-RATING = 1-HR. OR 2-HR. (SEE NOTES BELOW)
T-RATING = 0-HR. OR 1/2-HR. (SEE NOTES BELOW)
L-RATING AT AMBIENT = LESS THAN 1 CFM / SQ FT
L-RATING AT 400°F = LESS THAN 1 CFM / SQ FT

WL1054x.123125

FRONT VIEW / SECTION A-A



UL/cUL SYSTEM NO. W-L-1054

METAL PIPE THROUGH GYPSUM WALL ASSEMBLY

F-RATING = 1-HR. OR 2-HR. (SEE NOTES BELOW)
T-RATING = 0-HR. OR 1/2-HR. (SEE NOTES BELOW)
L-RATING AT AMBIENT = LESS THAN 1 CFM / SQ FT
L-RATING AT 400°F = LESS THAN 1 CFM / SQ FT

WL1054x.123125

1. GYPSUM WALL ASSEMBLY (UL/cUL CLASSIFIED U300 OR U400 SERIES) (1-HR. OR 2-HR. FIRE-RATING) (2-HR. SHOWN).
2. [NOT SHOWN] WOOD STUDS TO CONSIST OF NOMINAL 2" x 4" LUMBER. STEEL STUDS TO BE MINIMUM 2-1/2" WIDE (SEE NOTE BELOW).
3. PENETRATING ITEM TO BE ONE OF THE FOLLOWING :
   A. MAXIMUM 30" DIAMETER STEEL PIPE (SCHEDULE 10 OR HEAVIER).
   B. MAXIMUM 30" DIAMETER STAINLESS STEEL PIPE (SCHEDULE 10 OR HEAVIER).
   C. MAXIMUM 30" DIAMETER CAST IRON PIPE.
   D. MAXIMUM 6" NOMINAL DIAMETER COPPER PIPE (REGULAR OR HEAVIER).
   E. MAXIMUM 6" DIAMETER COPPER TUBING (TYPE L OR HEAVIER).
   F. MAXIMUM 6" NOMINAL DIAMETER STEEL CONDUIT.
   G. MAXIMUM 4" NOMINAL DIAMETER STEEL EMT.
   H. MAXIMUM 2" NOMINAL DIAMETER ALUMINUM EMT.
   I. MAXIMUM 2" NOMINAL DIAMETER ALUMINUM CONDUIT.
   J. MAXIMUM 2" NOMINAL DIAMETER ALUMINUM PIPE (SCHEDULE 5 OR HEAVIER).
4. MINIMUM 5/8" DEPTH HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT.
5. MINIMUM 1/2" BEAD HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT APPLIED AT POINT OF CONTACT.

NOTES : 1. MAXIMUM DIAMETER OF OPENING :
A. 32-1/4" FOR STEEL STUD WALLS.
B. 14-1/2" FOR WOOD STUD WALLS.
2. ANNULAR SPACE (PENETRATIONS 2A THROUGH 2G) = MINIMUM 0", MAXIMUM 2-1/4".
3. ANNULAR SPACE (PENETRATIONS 2H THROUGH 2J) = MINIMUM 0", MAXIMUM 1-1/2".
4. PENETRATIONS 2A THROUGH 2G MAY BE INSTALLED WITH CONTINUOUS POINT OF CONTACT.
5. WHEN PENETRATIONS 2H THROUGH 2J ARE INSTALLED, STEEL STUDS TO BE MINIMUM 3-5/8" WIDE.
6. WHEN PENETRATIONS 2H THROUGH 2J ARE INSTALLED, T-RATING IS 1/2-HR.
7. WHEN PENETRATIONS 2H THROUGH 2J ARE INSTALLED, THE CAN/ULC-S115 TESTING STANDARD IS NOT APPLICABLE.

Hilti Firestop Systems | HILTI, Inc. Plano, Texas USA (800) 879-8000 | Sheet 2 of 2 | Scale - | Date Dec. 31, 2025 | Drawing No. WL 1054x

Saving Lives through Innovation and Education

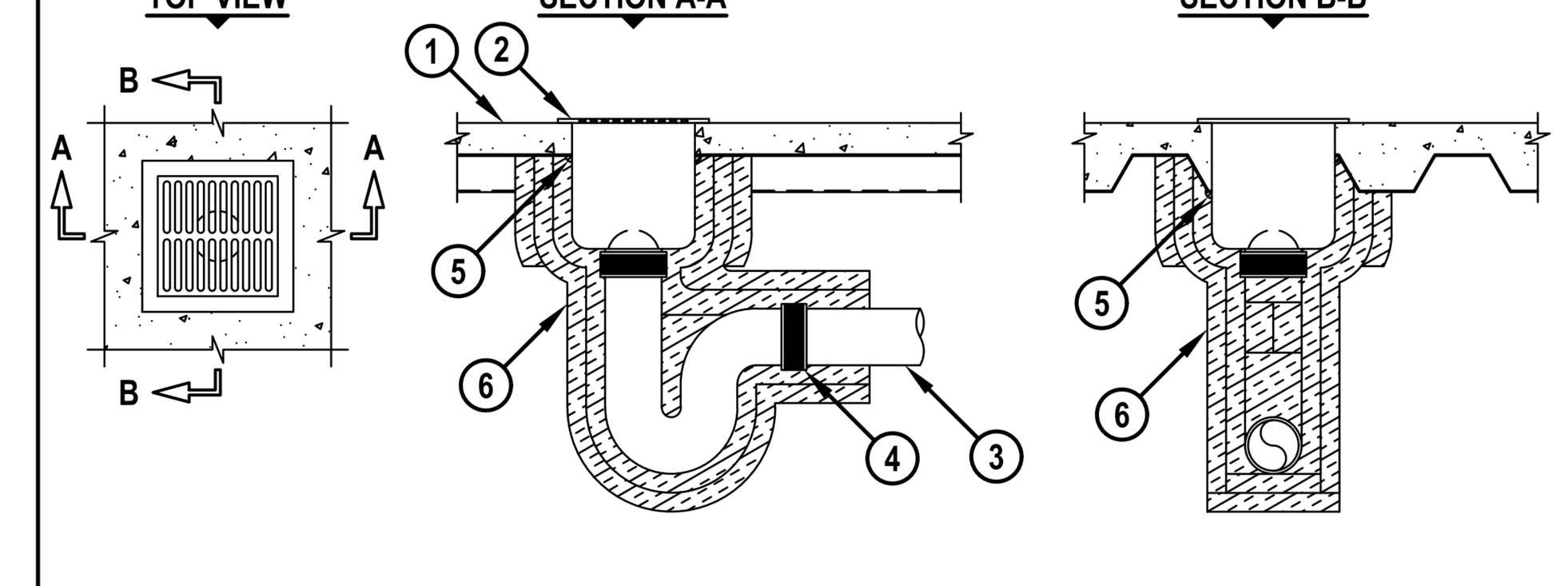
UL/cUL SYSTEM NO. F-A-1137

CAST IRON FLOOR SINK THROUGH CONCRETE FLOOR OVER METAL DECKING ASSEMBLY

F-RATING = 2-HR.
T-RATING = 2-HR.
L-RATING AT AMBIENT = LESS THAN 1 CFM / SQ FT
L-RATING AT 400°F = 4 CFM / SQ FT

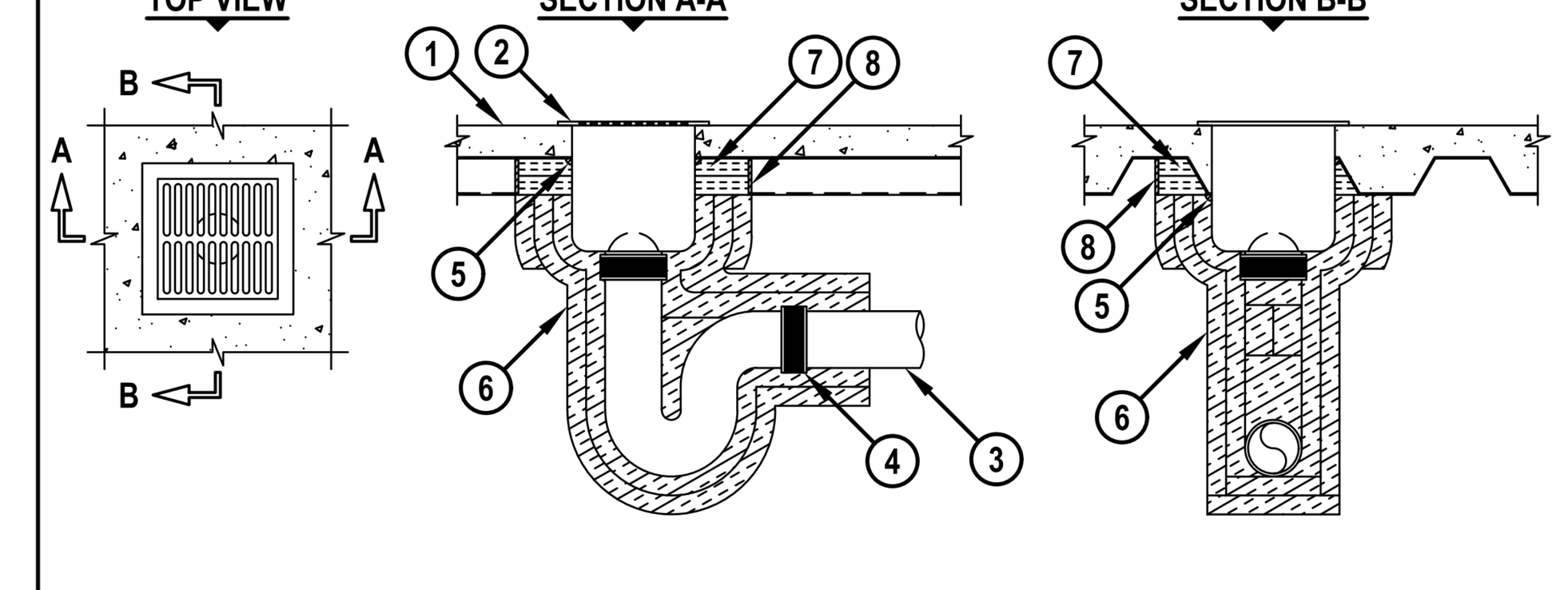
FA1137d.081519

TOP VIEW / SECTION A-A / SECTION B-B



CONFIGURATION A

TOP VIEW / SECTION A-A / SECTION B-B



CONFIGURATION B

UL/cUL SYSTEM NO. F-A-1137

CAST IRON FLOOR SINK THROUGH CONCRETE FLOOR OVER METAL DECKING ASSEMBLY

F-RATING = 2-HR.
T-RATING = 2-HR.
L-RATING AT AMBIENT = LESS THAN 1 CFM / SQ FT
L-RATING AT 400°F = 4 CFM / SQ FT

FA1137d.081519

1. STEEL FLOOR UNIT/FLOOR ASSEMBLY (UL D700 OR D900 SERIES) - LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE (MINIMUM 2-1/2" THICK) (2-HR. FIRE-RATING).
2. MAXIMUM 12" x 12" x 10" DEEP CAST IRON FLOOR SINK CAST OR GROUTED INTO FLOOR. SINK FLANGES TO BEAR ON TOP PLANE OF FLOOR. CAST IRON FLOOR GRATING TO BE INSTALLED ON TOP OF SINK. METAL DOME STRAINER MAY BE USED IN SINK DRAIN.
3. MAXIMUM 4" NOMINAL DIAMETER CAST IRON PIPE SECURED TO OUTLET OF FLOOR SINK WITH NO-HUB COUPLING. PIPE TO BE RIGIDLY SUPPORTED BENEATH FLOOR AWAY FROM FLOOR SINK WITH SUITABLE HANGERS.
4. CORRUGATED STAINLESS STEEL "NO-HUB" CONNECTOR.
5. MINIMUM 1/2" BEAD HILTI FS-ONE MAX OR FS-ONE INTUMESCENT FIRESTOP SEALANT APPLIED AROUND PERIPHERY OF FLOOR SINK AT FLOOR INTERFACE.

CONFIGURATION A

6. TWO LAYERS (NOMINAL 1-1/2" THICK) FACED OR UNFACED FIREMASTER FAST WRAP XL, FIREMASTER FASTWRAP+, OR PYROSCAT DUCTWRAP XL (MANUFACTURED BY THERMAL OR FYREWRAP DUCT INSULATION OR FYREWRAP DUCT 1.5 INSULATION (MANUFACTURED BY UNIFRAX LLC), TIGHTLY WRAPPED AROUND SINK AND DRAIN PIPE. TOP ENDS OF BOTH LAYERS TO BE CUT TO THE CONTOUR OF THE FLUTED DECK AND EXTEND MINIMUM 24" BEYOND THE BOTTOM SURFACE OF FLOOR AND HELD IN POSITION USING 16 GA. STEEL WIRE TIES SPACED MAXIMUM 8" ON CENTER AND MAXIMUM 1" FROM ENDS OF LAYERS. AN ADDITIONAL LAYER OF DUCT WRAP CUT TO THE CONTOUR OF THE FLUTED DECK AND EXTEND MINIMUM 6" BELOW FLOOR AND HELD IN POSITION USING 16 GA. STEEL TIE WIRES SPACED MAXIMUM 1" FROM ENDS OF LAYER.

CONFIGURATION B

6. TWO LAYERS (NOMINAL 1-1/2" THICK) FACED OR UNFACED FIREMASTER FAST WRAP XL, FIREMASTER FASTWRAP+, OR PYROSCAT DUCTWRAP XL (MANUFACTURED BY THERMAL OR FYREWRAP DUCT INSULATION OR FYREWRAP DUCT 1.5 INSULATION (MANUFACTURED BY UNIFRAX LLC), TIGHTLY WRAPPED AROUND SINK AND DRAIN PIPE AND EXTEND MINIMUM 24" BEYOND THE BOTTOM SURFACE OF FLOOR AND HELD IN POSITION USING 16 GA. STEEL WIRE TIES SPACED MAXIMUM 8" ON CENTER AND MAXIMUM 1" FROM ENDS OF LAYERS. AN ADDITIONAL LAYER OF DUCT WRAP TO EXTEND MINIMUM 6" BELOW FLOOR AND HELD IN POSITION USING 16 GA. STEEL TIE WIRES SPACED MAXIMUM 1" FROM ENDS OF LAYER.
7. ADDITIONAL PIECES OF (NOMINAL 1-1/2" THICK) FACED OR UNFACED FIREMASTER FAST WRAP XL, FIREMASTER FASTWRAP+, OR PYROSCAT DUCTWRAP XL (MANUFACTURED BY THERMAL OR FYREWRAP DUCT INSULATION OR FYREWRAP DUCT 1.5 INSULATION (MANUFACTURED BY UNIFRAX LLC), CUT TO CONTOUR OF FLUTE AND FRICTION FIT TO FILL THE SPACE BETWEEN THE DUCT WRAP LAYERS (ITEM NO. 6) AND FLUTED DECK. RECESS INSULATION TO ACCOMMODATE FIRESTOP SEALANT.
8. MINIMUM 1/4" DEPTH HILTI FS-ONE MAX OR FS-ONE INTUMESCENT FIRESTOP SEALANT APPLIED OVER THE DUCT WRAP WITHIN FLUTED AREA FLUSH WITH OUTER LAYER.

Hilti Firestop Systems | HILTI, Inc. Plano, Texas USA (800) 879-8000 | Sheet 2 of 2 | Scale - | Date Aug. 15, 2019 | Drawing No. FA 1137d

Saving Lives through Innovation and Education

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 043801 TROY O. GRADY 04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

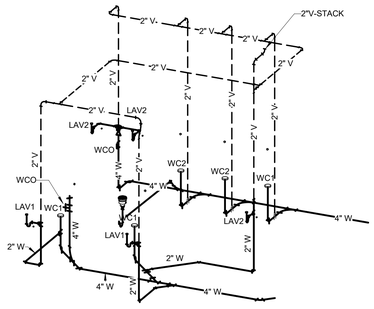
ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: AOG/JBS
DRAWN BY: AOG/JBS

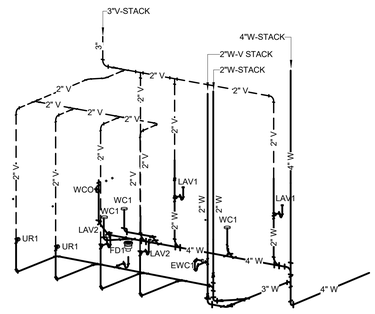
SHEET TITLE:
PLUMBING U.L. PENETRATION DETAILS

SHEET NO. P-502
PROJ. NO. 024370.00

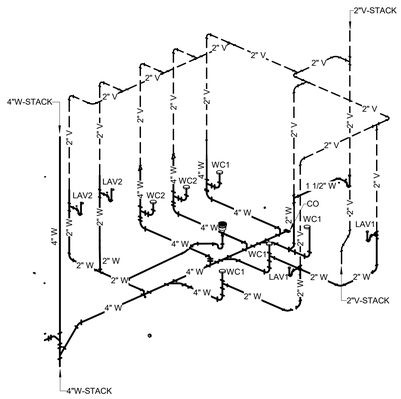
ALL DRAWINGS, DESCRIPTIONS AND CORES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED ON REQUEST AT THE COMPLETION OF THE PROJECT. THEY ARE NOT TO BE LOANED, COPIED OR REPRODUCED WITHOUT THE WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ANY REUSE, UNAUTHORIZED MODIFICATION OR USE OF THESE MATERIALS WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY MCMILLAN PAZDAN SMITH ARCHITECTURE WILL BE AT OWNER'S AND RECIPIENT'S SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO MCMILLAN PAZDAN SMITH ARCHITECTURE. OWNER AND RECIPIENT SHALL INDEMNIFY AND HOLD HARMLESS MCMILLAN PAZDAN SMITH ARCHITECTURE FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING ATTORNEYS' FEES, ARISING OUT OF OR RESULTING THEREFROM. ALL RIGHTS RESERVED



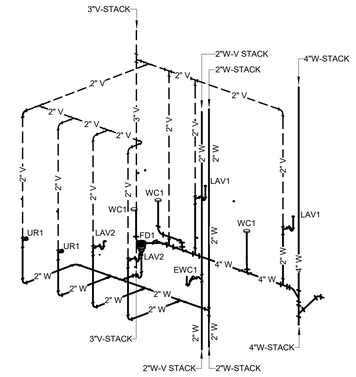
C5 P-601 **Toilets 1004, 1005, 1006,1012 WASTE-VENT RISER DIAGRAM**
NOT TO SCALE



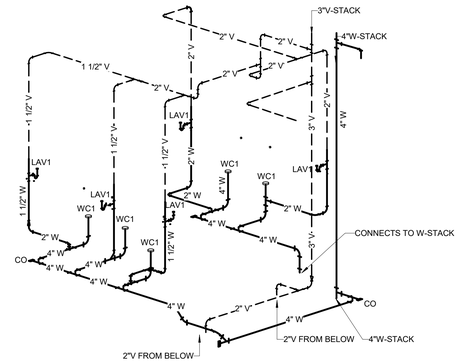
C4 P-601 **TIts 1008, 1009, 1010 W-V RISER DIAGRAM**
NOT TO SCALE



C3 P-601 **TIts 2004, 2005, 2006, 2008 W-V RISER DIAGRAM**
NOT TO SCALE



C2 P-601 **TIts 2009, 2010, 2011 W-V RISER DIAGRAM**
NOT TO SCALE



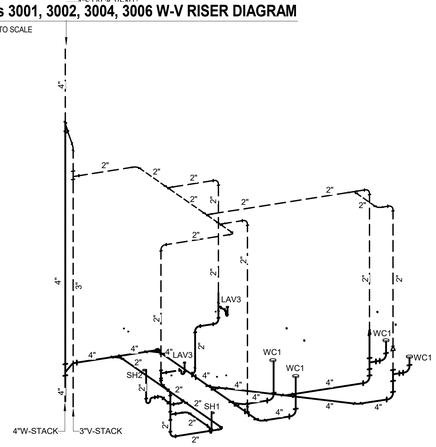
C1 P-601 **TIts 2264, 2265, 2266, 2267, 2268 W-V RISER DIAGRAM**
NOT TO SCALE

B5 P-601 **TIts 3001, 3002, 3004, 3006 W-V RISER DIAGRAM**
NOT TO SCALE

B4 P-601 **TIts 3009, 3010, 3012 W-V RISER DIAGRAM**
NOT TO SCALE

B3 P-601 **TIts 4006, 4008, 4009, 4010 W-V RISER DIAGRAM**
NOT TO SCALE

B1 P-601 **TIts 4010, 4012, 4013 W-V RISER DIAGRAM**
NOT TO SCALE



A5 P-601 **TLT/SHWR 4184, 4185 RISER DIAGRAM**
NOT TO SCALE

A4 P-601 **TLTS/SHWR 4176, 4178, 4180 RISER DIAGRAM**
NOT TO SCALE

A2 P-601 **TLT 1306 W-V RISER DIAGRAM**
NOT TO SCALE

A1 P-601 **ELEVATOR SUMP PIPING DISCHARGE DETAIL**
NOT TO SCALE

mcmillan pazdan smith
ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY 04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

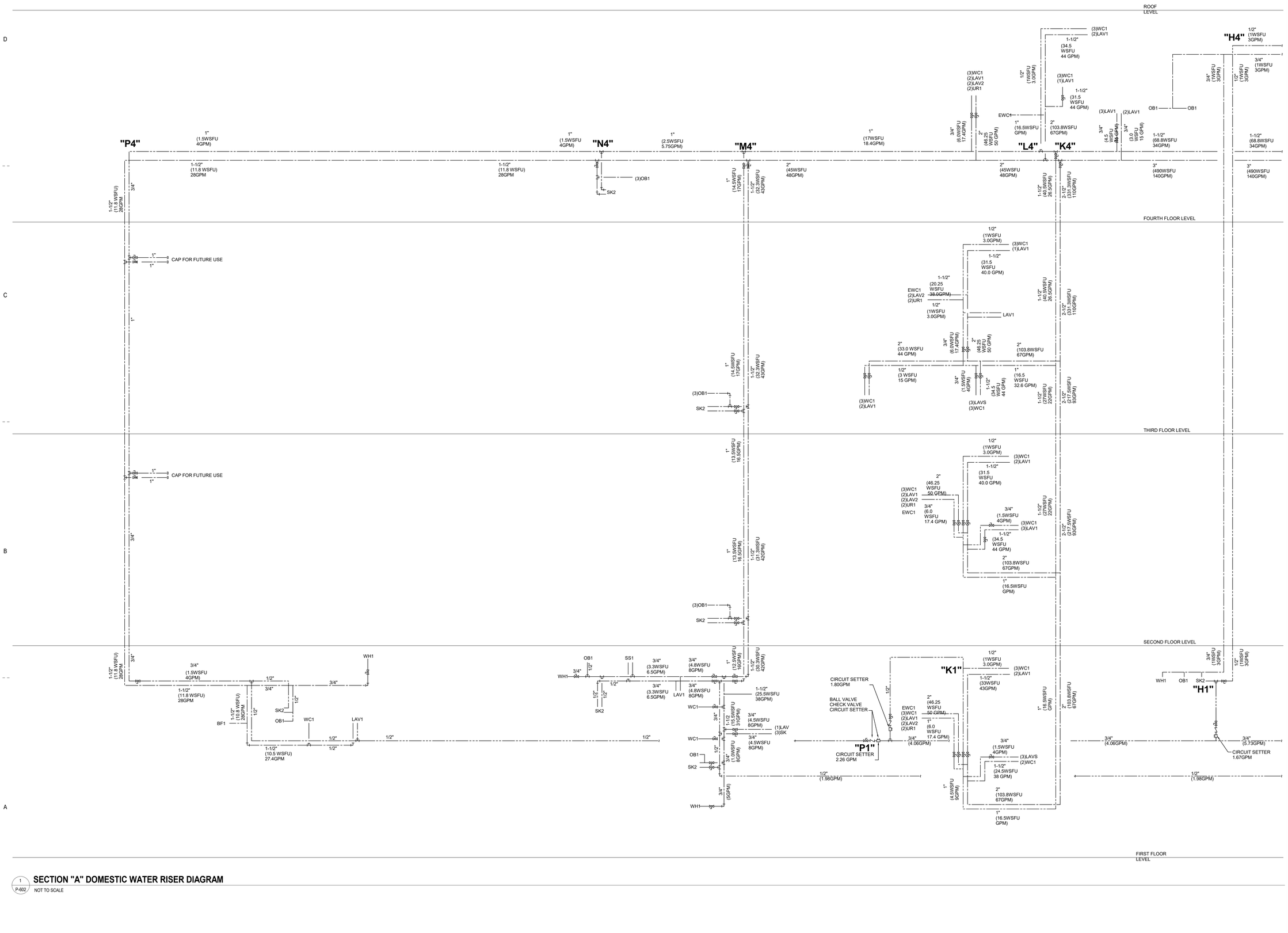
ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: AOG/JBS
DRAWN BY: AOG/JBS

SHEET TITLE:
PLUMBING RISER DIAGRAMS

SHEET NO. P-601
PROJ. NO. 024370.00



1 P-602 **SECTION "A" DOMESTIC WATER RISER DIAGRAM**

NOT TO SCALE

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043801 ENGINEER TROY O. GRADY 04/02/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com

© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

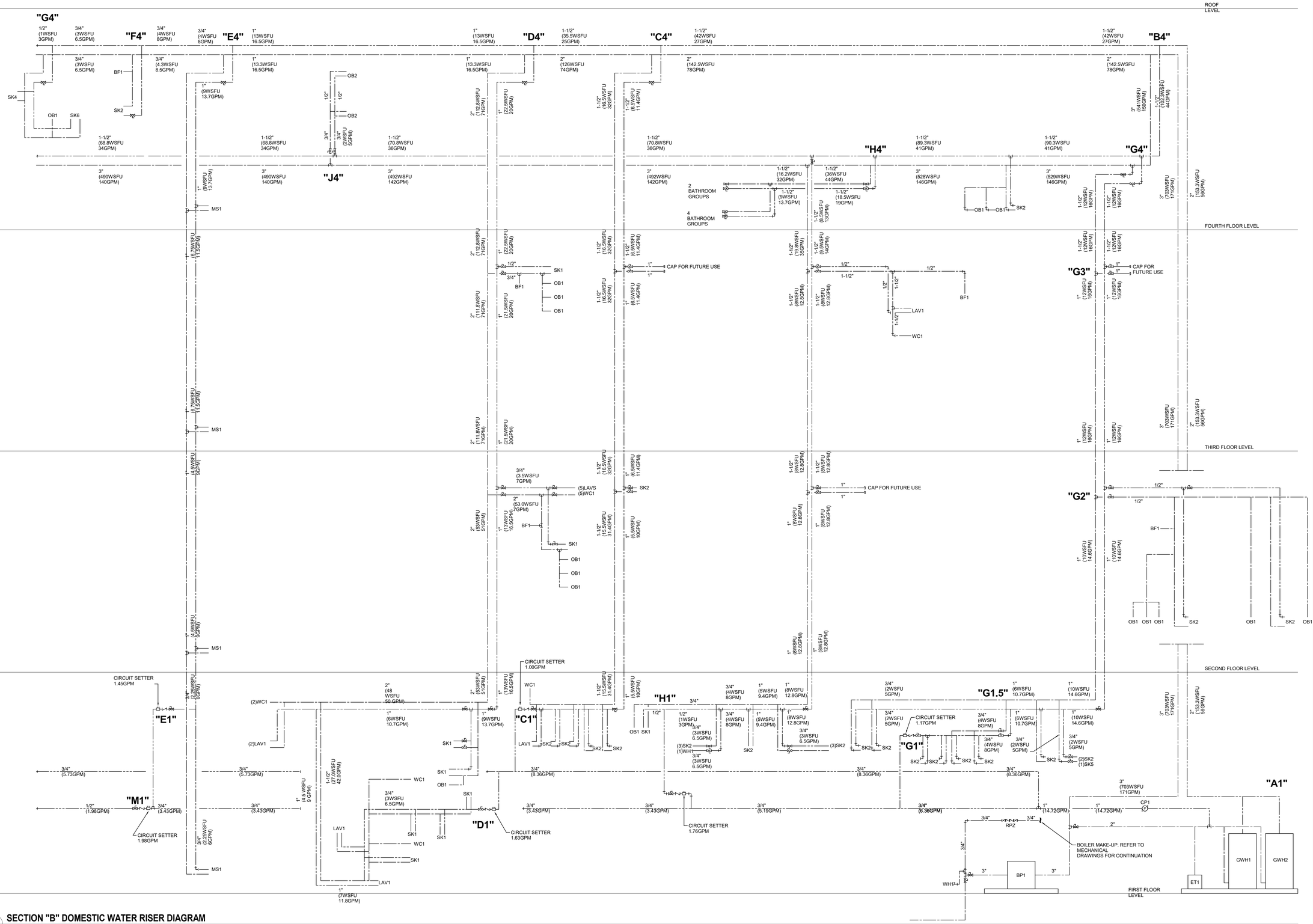
SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: AOG/JBS
DRAWN BY: AOG/JBS

SHEET TITLE:
PLUMBING RISER DIAGRAMS

SHEET NO. P-602
PROJ. NO. 024370.00



1 P-603 **SECTION "B" DOMESTIC WATER RISER DIAGRAM**

NOT TO SCALE

ALL DRAWINGS, SPECIFICATIONS AND CONCEPTS THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY, DESTROYED ON THE REQUEST OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE NOT TO BE CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY, WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. © COPYRIGHT MCMILLAN PAZDAN SMITH ARCHITECTURE ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE
1422 south tryon street, suite 700
charlotte, nc 28203

EDIFICE CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043601 ENGINEER TROY O. GRADY 04/22/2026

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
www.cbhfengineers.com
© Copyright 2026 CBHF Engineers, PLLC NC# P-0506

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: TOG
DESIGNER: AOG/JBS
DRAWN BY: AOG/JBS

SHEET TITLE:
PLUMBING RISER DIAGRAMS

SHEET NO. P-603
PROJ. NO. 024370.00

FIRE SPRINKLER PROJECT SCOPE

1 THE SCOPE OF THIS PROJECT INCLUDES THE COMPLETE CONSTRUCTION OF THE FOLLOWING FIRE PROTECTION SYSTEMS, DESIGNED TO PROTECT THE NEW CONSTRUCTION FOUR (4) STORY OFFICE BUILDING APPROXIMATELY 140,000 SQFT. THE BUILDING WILL BE PROTECTED BY A WET-PIPE FIRE SPRINKLER SYSTEM AND A MANUAL-WET CLASS I STANDPIPE SYSTEM.

2 BASED ON PRELIMINARY CALCULTIONS, THE BUILDING WILL REQUIRE A FIRE PUMP AND ASSOCIATED EQUIPMENT. SPRINKLER CONTRACTOR TO PROVIDE A VERTICAL IN-LINE FIRE PUMP RATED AT 500 GPM @ 47 PSI MINIMUM. THE INTERIOR HOSE DEMANDS AND STANDPIPE DEMANDS ARE NOT REQUIRED TO BE SUPPLIED BY THE FIRE PUMP PER NFPA 13 SECTION 11.1.6.4. AND NFPA 14 SECTION 7.7.3.

FIRE SPRINKLER GENERAL REQUIREMENTS

1 DESIGN AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE FOLLOWING CODES AND STANDARDS: 2018 NORTH CAROLINA BUILDING CODE (NCBC), 2018 NORTH CAROLINA FIRE PREVENTION CODE (NCFC), NFPA 13 STANDARD FOR INSTALLATION OF SPRINKLER SYSTEMS - 2013 EDITION, NFPA 14 STANDARD FOR THE INSTALLATION OF STANPIPE AND HOSE SYSTEMS - 2013 EDITION, AND NFPA 20 - 2013 EDITION STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION.

2 NO CHANGES TO THE "FP" SHEETS BY THE SPRINKLER SUBCONTRACTOR ARE ALLOWED EXCEPT FOR ADDING SHOP DRAWING INFORMATION. ALL REQUIRED REVISIONS TO THE "FP" SHEETS (OTHER THAN MINOR REVISIONS FOR THE PURPOSE OF COORDINATION) AND ANY ABNORMAL CONDITIONS THAT WOULD RESULT IN NON-COMPLIANCE SHALL BE SUBMITTED IN WRITING AND SHALL BE APPROVED BY SUMMIT FIRE CONSULTING NC, PLLC AND THE AHJ.

3 THE FIRE SPRINKLER SYSTEMS IN THIS BUILDING SHALL BE MONITORED BY A CENTRAL STATION SIGNALING SYSTEM FURNISHED AND INSTALLED BY THE FIRE ALARM CONTRACTOR. ALL TAMPER SWITCHES AND WATER FLOW INDICATORS SHALL BE INSTALLED BY THE SPRINKLER CONTRACTOR AND WIRED TO THE CENTRAL STATION SIGNALING SYSTEM BY THE ALARM CONTRACTOR.

4 ALL PIPE LENGTHS SHOWN ARE CENTER TO CENTER DIMENSIONS.

5 ALL INSPECTOR'S TEST CONNECTIONS AND LOW POINT DRAINS SHALL BE IN ACCORDANCE WITH NFPA 13 AND SHALL BE DISPLAYED ON SHOP DRAWINGS. MOUNT CONTROL VALVES FOR INSPECTOR'S TEST CONNECTION AND LOW POINT DRAINS INSIDE BUILDING AT 5'-0" A.F.F. PIPE DRAIN LINES TO EXTERIOR OF BUILDING. COORDINATE WITH THE ARCHITECT FOR ACCEPTABLE LOCATIONS.

6 SPRINKLERS IN T-BAR CEILING SHALL BE PLACED IN QUARTER POINT OR CENTER OF 2x4 TILE. IN ALL SOFFITED AREAS, SPRINKLERS SHALL BE ALIGNED WITH ADJACENT LIGHTING.

7 SIGNAGE SHALL BE PROVIDED AS REQUIRED, INCLUDING RISER ROOM IDENTIFICATION, FDC, TEST CONNECTIONS AND HYDRAULIC PLACARD.

8 FLOW SWITCH SHALL BE CONNECTED TO AN OUTSIDE ALARM BELL OR OTHER AUDIBLE ALARM DEVICE AT EACH RISER. APPROVED IDENTIFICATION SIGNS SHALL BE PROVIDED ON THE OUTSIDE ALARM BELL "SPRINKLER FIRE ALARM - WHEN ALARM SOUNDS CALL 911 / FIRE DEPARTMENT"

9 REFERENCE THE CIVIL DRAWINGS FOR ADDITIONAL FIRELINE INFORMATION AND ACTUAL LENGTHS OF PIPE. THE LAYOUT SHOWN ON THE CIVIL DRAWINGS WILL SUPERCEDE WHAT IS SHOWN ON THE FIRE PROTECTION SITE PLAN. THE FIRE PROTECTION SITE PLAN IS FOR HYDRAULIC REFERENCE ONLY.

10 THIS AREA IS NOT KNOWN TO HAVE PROBLEMS WITH MICROBIAL INDUCED CORROSION. NO PREVENTATIVE MEASURES ARE DESIGNED INTO THIS SYSTEM.

11 THE FIRE DEPARTMENT CONNECTION (FDC) IS A 5" STORZ TYPE CONNECTION AND IS LOCATED ATTACHED TO THE EXTERIOR OF THE FIRE PUMP ROOM.

12 QUICK RESPONSE SPRINKLERS SHALL BE INSTALLED THROUGHOUT (UNLESS OTHERWISE NOTED).

13 THE FIRE SPRINKLER CONTRACTOR IS RESPONSIBLE FOR CONDUCTING A FLOW TEST NO MORE THAN 12 MONTHS PRIOR TO WORKING PLAN SUBMITTAL, SATISFYING THE NFPA 13 23.2.1.1 REQUIREMENT.

14 THE SEISMIC DESIGN IS CATEGORY "C." THEREFORE IN ACCORDANCE WITH ASCE 7-16, MECHANICAL AND ELECTRICAL COMPONENTS SHALL MEET THE SEISMIC DESIGN REQUIREMENTS FOR NON STRUCTURAL MEMBERS. SEISMIC DESIGN FOR SPRINKLERS SHALL BE PROVIDED IN ACCORDANCE WITH NFPA 13. SEE STRUCTURAL SHEET S001 FOR ADDITIONAL INFORMATION.

15 A SAFETY FACTOR TO ACCOUNT FOR FLUCTUATIONS IN WATER SUPPLY, THE DESIGN CALCULATIONS SHALL BE BASED ON AN AVAILABLE WATER SUPPLY OF 10 PSI LESS STATIC PRESSURE, 10 PSI LESS RESIDUAL PRESSURE AND 10% LESS RESIDUAL FLOW THAN MEASURED.

FIRE SPRINKLER CONTRACTOR REQUIREMENTS

1 THE FIRE SPRINKLER SUBCONTRACTOR IS RESPONSIBLE FOR ALL CUTTING, SEALING, PATCHING, AND PAINTING REQUIRED FOR INSTALLATION OF THE SPRINKLER SYSTEM. ALL PENETRATIONS OF FIRE RATED ASSEMBLIES SHALL BE FIRE STOPPED WITH AN APPROVED MATERIAL AS PRESCRIBED IN THE APPLICABLE CODES AND STANDARDS.

2 THE FIRE SPRINKLER SUBCONTRACTOR SHALL BE LICENSED AS REQUIRED BY THE STATE AND LOCAL AHJ FOR THE DESIGN AND INSTALLATION OF AUTOMATIC SPRINKLER SYSTEMS.

3 ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS AS REQUIRED BY THE STATE AND LOCAL AHJ.

4 THE FIRE SPRINKLER CONTRACTOR SHALL PREPARE A SHOP DRAWING SUBMITTAL, HYDRUALIC CALCULATIONS, AND EQUIPMENT CUTSHEET PACKAGE SUBMITTAL, AND SUBMIT TO THE ENGINEER AND AUTHORITY HAVING JURISDICTION, FOR APPROVAL. APPROVAL OF SHOP DRAWINGS AND EQUIPMENT SHALL BE OBTAINED PRIOR TO STARTING WORK.

5 SPRINKLER CONTRACTOR IS RESPONSIBLE TO COORDINATE AND ADJUST SPRINKLER AND PIPING TO ACCOUNT FOR ELECTRICAL, MECHANICAL, STRUCTURAL AND ALL OTHER TRADES AT NO ADDITIONAL COST.

6 CONTRACTOR SHALL PROVIDE OWNER WITH TEST CERTIFICATES, CARE & MAINTENANCE BOOK, COPY OF NFPA 25, SPARE SPRINKLER CABINET WITH SPRINKLERS, AND REQUIRED SPRINKLER WRENCHES IN ACCORDANCE WITH NFPA 13.

7 DELIVERY OF ALL MATERIALS AND EQUIPMENT TO THE JOB SITE SHALL BE SCHEDULED TO ASSURE COMPLIANCE WITH THE PREDETERMINED CONSTRUCTION SCHEDULE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR STORAGE AND HANDLING ALL MATERIALS AND EQUIPMENT ON THE JOB SITE, INCLUDING FURNISHING OF ANY STORAGE FACILITIES OR STRUCTURE REQUIRED.

8 THE SYSTEM SHOWN ON THESE PLANS REQUIRES A CONNECTION TO THE UNDERGROUND FIRE PROTECTION MAIN. THE CONTRACTOR WTALLED BY A LICENSED FIRE PROTECTION CONTRACTOR AS REQUIRED BY THE STATE FIRE MARSHAL. THE UNDERGROUND CONTRACTOR IS RESPONSIBLE FOR COMPLETING THE CONTRACTOR'S MATERIAL AND TEST CERTIFICATE FOR UNDERGROUND PIPING DOCUMENT. ABOVE GROUND CONTRACTORS MAY NOT COMPLETE THE CONTRACTOR'S MATERIAL AND TEST CERTIFICATE FOR THE UNDERGROUND PIPING OR PORTION THEREOF WHICH HAVE BEEN INSTALLED BY OTHERS.

FIRE SPRINKLER MATERIAL REQUIREMENTS

1 ALL MATERIALS SHALL BE UL LISTED OR FM APPROVED.

2 ALL INTERIOR PIPE SHALL BE BLACK STEEL: SCHEDULE 10 FOR PIPES 2 1/2" AND LARGER AND SCHEDULE 40 FOR PIPES 2" AND SMALLER.

3 ALL EXTERIOR PIPE (INCLUDING NIPPLES OR SPOOL PIECES EXTENDING THROUGH EXTERIOR WALLS) SHALL BE SCHEDULE 40 GALVANIZED STEEL.

4 ALL INTERIOR GROOVED FITTINGS SHALL COME WITH THE FACTORY APPLIED COATING.

5 ALL INTERIOR THREADED FITTINGS SHALL BE CAST IRON, DUCTILE IRON OR MALLEABLE IRON.

6 ALL EXTERIOR FITTINGS SHALL BE GALVANIZED.

7 PROVIDE RIGID COUPLINGS THROUGHOUT, EXCEPT FLEXIBLE COUPLINGS SHALL BE INSTALLED AS FOLLOWS: WITHIN 24 IN. OF THE TOP AND BOTTOM OF ALL RISERS; ON BOTH SIDES OF CONCRETE OR MASONRY WALLS WITHIN 1 FT. OF THE WALL SURFACE; WITHIN 24 IN. OF BUILDING EXPANSION JOINTS; WITHIN 24 IN. OF THE TOP AND BOTTOM OF DROPS TO HOSE LINES, RACK SPRINKLERS, AND MEZZANINES, REGARDLESS OF PIPE SIZE; WITHIN 24 IN. OF THE TOP OF DROPS EXCEEDING 15 FT. IN LENGTH TO PORTIONS OF SYSTEMS SUPPLYING MORE THAN ONE SPRINKLER, REGARDLESS OF PIPE SIZE; ABOVE AND BELOW ANY INTERMEDIATE POINTS OF SUPPORT FOR A RISER OR OTHER VERTICAL PIPE.

8 HANGER LOCATION FOR ALL PIPING SHALL BE IN ACCORDANCE WITH NFPA 13. ALTERNATE UL AND FM HANGER METHODS ARE ACCEPTED AT NO ADDITIONAL COST TO THE OWNER. PROVIDE UL AND FM LITERATURE TO SUMMIT FIRE CONSULTING NC, PLLC AND THE AHJ FOR REVIEW AND ACCEPTANCE.

FIRE SPRINKLER TESTING REQUIREMENTS

1 THE FIRE SPRINKLER SYSTEM SHALL BE HYDROSTATICALLY PRESSURE TESTED IN ACCORDANCE WITH NFPA 13.

2 ALL PIPING AND ATTACHED APPURTENANCES SUBJECTED TO SYSTEM WORKING PRESSURE SHALL BE HYDROSTATICALLY TESTED AT 200 PSI AND SHALL MAINTAIN THAT PRESSURE WITHOUT LOSS FOR 2 HOURS.

3 LOSS SHALL BE DETERMINED BY A DROP IN GAUGE PRESSURE OR VISUAL LEAKAGE.

4 THE TEST PRESSURE SHALL BE READ FROM A GAUGE LOCATED AT THE LOW POINT OF THE SYSTEM OR PORTION BEING TESTED. THE PRESSURES IN PIPING AT HIGHER ELEVATIONS SHALL BE PERMITTED TO BE LESS THAN 200 PSI WHEN ACCOUNTING FOR ELEVATION LOSSES. SYSTEMS OR PORTIONS OF SYSTEMS THAT CAN BE ISOLATED SHALL BE PERMITTED TO BE TESTED SEPARATELY.

FIRE SPRINKLER LEGEND

PLAN	PROFILE	DESCRIPTION
		FIRE SPRINKLER HEAD
		TEE
		ELBOW
		ENDCAP
		REDUCER
		BUTTERFLY VALVE
		OS&Y GATE VALVE
		2 1/2" HOSE VALVE
		CHECK VALVE
		FLOOR CONTROL VALVE
E		ELECTRIC BELL
FS		FLOW SWITCH
TS		TAMPER SWITCH

HYDRAULIC CALCULATION SUMMARY

REMOTE AREA NAME:	SYSTEM DEMAND:	SAFETY FACTOR:
RA1 - OH2	569.68 GPM @ 32.21 PSI	12.36 PSI
RA2 - LH	306.00 GPM @ 36.47 PSI	10.44 PSI

WATER SUPPLY INFO

Raw Flow Test Data:	
Static Pressure:	48.00 psi *
Residual Pressure:	40.00 psi *
Residual Flow:	900.00 GPM *
Conducted By:	BRUNSWICK COUNTY
Date of Test:	7/23/25
Time of Test:	
Location of Test:	HYDRANTS 2119 & 2686

*A SAFETY FACTOR TO ACCOUNT FOR FLUCTUATIONS IN WATER SUPPLY WAS APPLIED, THE DESIGN CALCULATIONS SHALL BE BASED ON AN AVAILABLE WATER SUPPLY OF 10 PSI LESS STATIC PRESSURE, 10 PSI LESS RESIDUAL PRESSURE, AND 10% LESS RESIDUAL FLOW THAN MEASURED

ANNOTATION LEGEND

PLAN	DESCRIPTION
X" / X' - X"	PIPE DIAMETER OVER PIPE LENGTH
X	KEY NOTE TAG
XX	HAZARD CLASSIFICATION TAG
	MATCHLINE
	REMOTE AREA

FIRE SPRINKLER EQUIPMENT SCHEDULE

EQUIPMENT	COUNT	TYPE	SIZE	LISTED RATING	POWER	MANUFACTURER	MODEL
FIRE PUMP	1	ELECTRIC INLINE FIRE PUMP	460 V	500 GPM @ 47 psi	25 HP	PEERLESS PUMP	5PVF7
JOCKEY PUMP	1	T.B.D.	T.B.D.	T.B.D.	T.B.D.	NOT SPECIFIED	NOT SPECIFIED

FIRE SPRINKLER SYSTEM DESIGN SCHEDULE

AREAS	SYSTEM TYPE	HAZARD CLASSIFICATION	SYMBOL	DENSITY (GPM/SQFT)	DESIGN AREA (SQFT)	HOSE ALLOWANCE (GPM)	DURATION (MIN)	MAX HEAD SPACING (SQFT)	SPRINKLER TYPE	K-FACTOR	POSITION	FINISH	TEMPERATURE (°F)	REMARKS
CONFERENCE, CORRIDOR, RESTROOMS, OFFICE	WET-PIPE	LIGHT HAZARD	LH	0.10	1,500[a]	100	30	225	QUICK RESPONSE STANDARD SPRAY	5.6	UPRIGHT CONCEALED PENDENT	BRASS WHITE POLYESTER	175	*
MECHANICAL, ELECTRICAL, IDF, FIRE PUMP ROOM	WET-PIPE	ORDINARY HAZARD (GROUP 1)	OH1	0.15	1,500[a]	250	60	130	QUICK RESPONSE STANDARD SPRAY	5.6	UPRIGHT PENDENT	BRASS WHITE POLYESTER	175	*
STORAGE, FUTURE ROOM	WET-PIPE	ORDINARY HAZARD (GROUP 2)	OH2	0.20	1,500[a]	250	60	130	QUICK RESPONSE STANDARD SPRAY	8.0	UPRIGHT PENDENT	BRASS WHITE POLYESTER	175	*

a. DESIGN AREA IS PERMITTED TO BE REDUCED FOR QUICK RESPONSE SPRINKLERS IN ACCORDANCE WITH NFPA 13 11.2.3.2.3

SHEET LIST

SHEET NAME	SHEET NUMBER
GENERAL FIRE SPRINKLER NOTES	FP001
SITE PLAN	FP002
LEVEL 1 FIRE SPRINKLER PLAN	FP101
LEVEL 2 FIRE SPRINKLER PLAN	FP102
LEVEL 3 FIRE SPRINKLER PLAN	FP103
LEVEL 4 FIRE SPRINKLER PLAN	FP104
FIRE SPRINKLER RISER/PUMP ROOM PLAN AND DETAILS	FP201

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED IN WHOLE OR IN PART FOR ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ELSE ALL COPIES ARE TO BE DESTROYED ON REQUEST AT THE COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THIS PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH.
ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

SUMMIT FIRE CONSULTING
575 MINNEHAHA AVE WEST, ST. PAUL MN 55103
PHONE (651) 251-1880 FAX (651) 251-1879

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02.06.2026
PHASE: PERMIT SET

SHEET ISSUE:

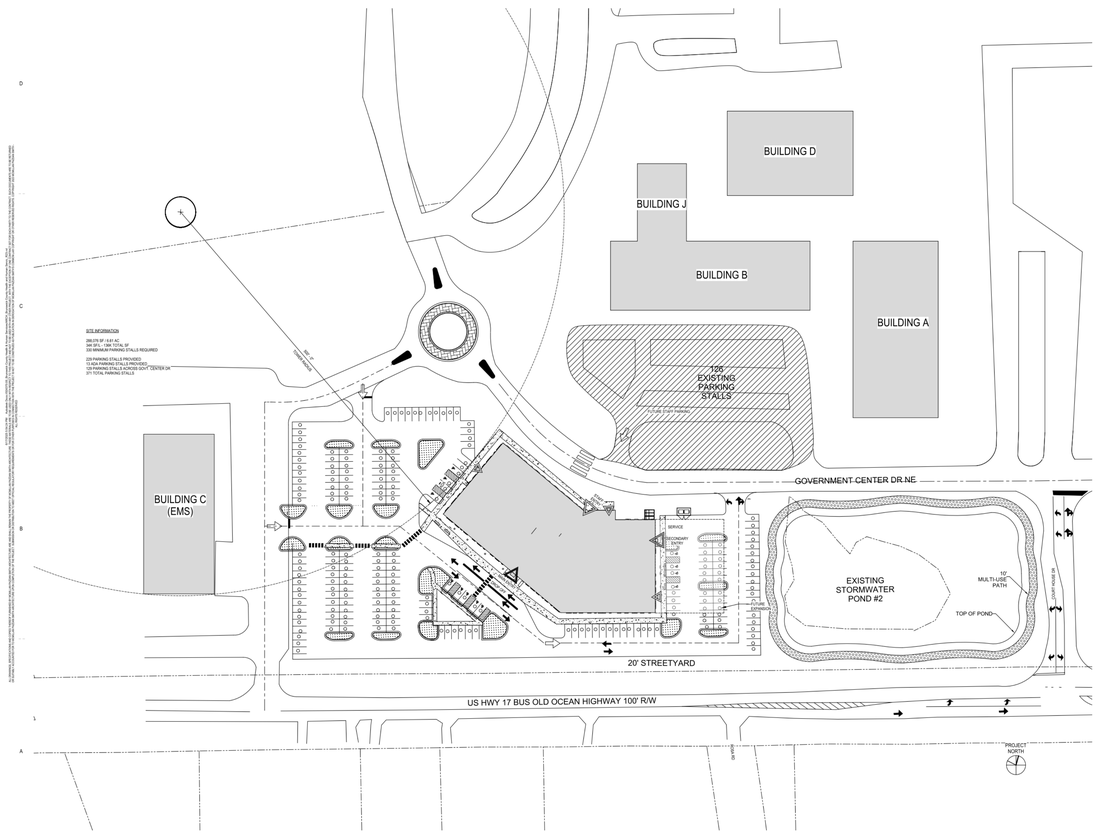
NO.	DATE	DESCRIPTION
A	04/02/26	REVIEW COMMENTS 1

NORTH CAROLINA PROFESSIONAL SEAL 046319 ENGINEER DAVID F. STACY 4-2-26

PRINCIPAL IN CHARGE:
PROJECT ARCHITECT:
DRAWN BY: KPC

SHEET TITLE:
GENERAL FIRE SPRINKLER NOTES

SHEET NO. FP001
PROJ. NO. 25.248



1 FIRE SPRINKLER SITE PLAN

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT. WITHIN THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

SUMMIT FIRE CONSULTING

575 MINNEHAHA AVE WEST, ST. PAUL MN 55103
PHONE (651) 251-1880 FAX (651) 251-1879

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES

67 GOVERNMENT CENTER DR,
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02.06.2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/26	REVIEW COMMENTS 1

NORTH CAROLINA PROFESSIONAL SEAL 046319 ENGINEER DAVID F. STACY 4-2-26

PRINCIPAL IN CHARGE:
PROJECT ARCHITECT:
DRAWN BY: KPC

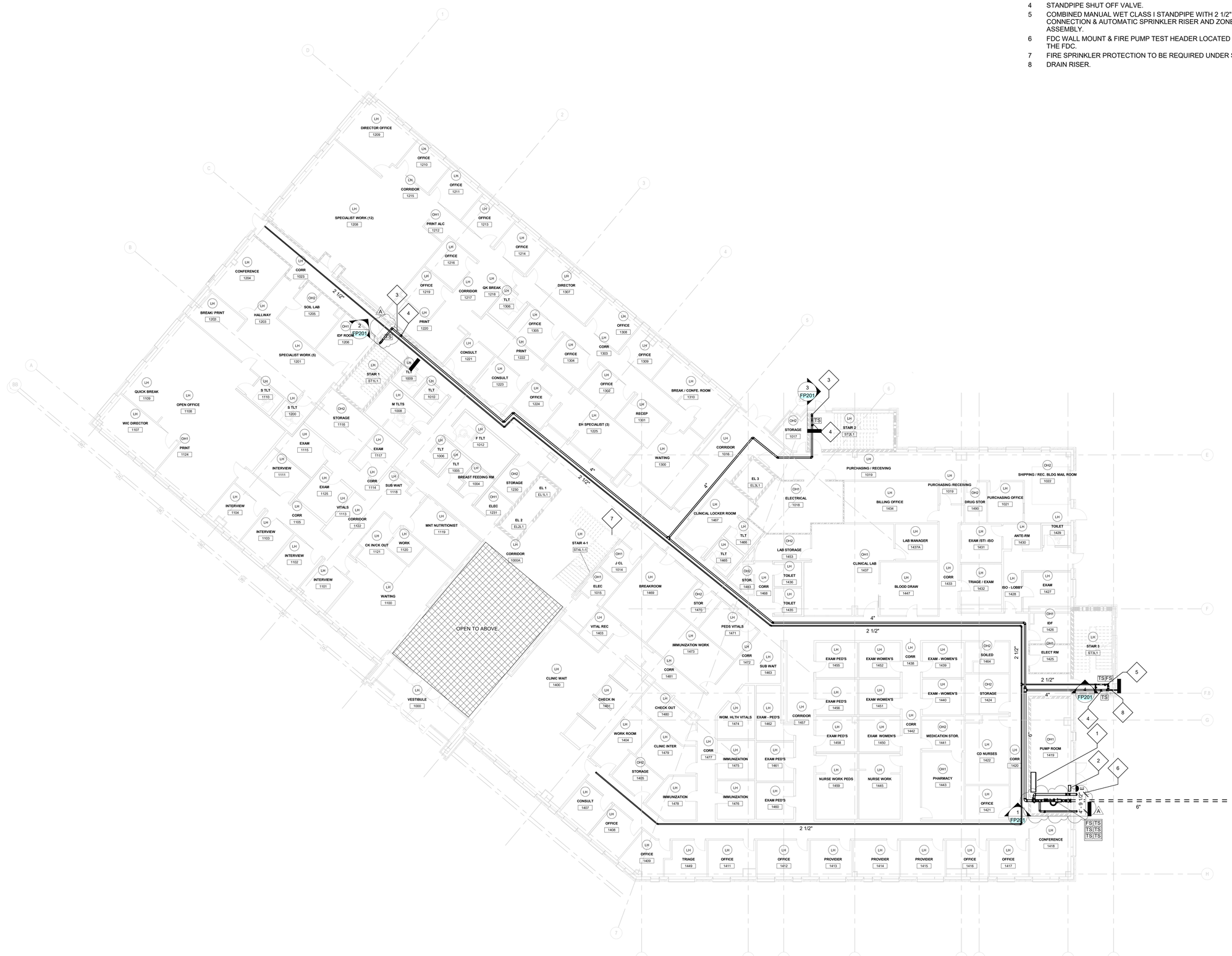
SHEET TITLE:
SITE PLAN

SHEET NO. FP002

PROJ. NO. 25.248

KEYNOTE LEGEND

1 FIRE PUMP CONTROLLER AND TRANSFER SWITCH.
2 JOCKEY PUMP CONTROLLER.
3 CLASS I MANUAL WET STANDPIPE RISER WITH 2 1/2" FD. HOSE VALVE CONNECTION.
4 STANDPIPE SHUT OFF VALVE.
5 COMBINED MANUAL WET CLASS I STANDPIPE WITH 2 1/2" FD. HOSE VALVE CONNECTION & AUTOMATIC SPRINKLER RISER AND ZONE CONTROL ASSEMBLY.
6 FDC WALL MOUNT & FIRE PUMP TEST HEADER LOCATED DIRECTLY UNDER THE FDC.
7 FIRE SPRINKLER PROTECTION TO BE REQUIRED UNDER STAIRS.
8 DRAIN RISER.



1 LEVEL 1 FIRE SPRINKLER FLOOR PLAN
3/32" = 1'-0"

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERED, ACCOUNTED FOR, TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED
AT 2026 2:11:56 PM Autodesk Docs://BRUNSWICK County Health & Human Services/FP-BCHHS.rvt

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

SUMMIT FIRE CONSULTING
575 MINNEHAHA AVE WEST, ST. PAUL MN 55103
PHONE (651) 251-1880 FAX (651) 251-1879

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES

67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02.06.2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/26	REVIEW COMMENTS 1

NORTH CAROLINA PROFESSIONAL SEAL 046319 ENGINEER DAVID F. STACY 4-2-26

PRINCIPAL IN CHARGE:
PROJECT ARCHITECT:
DRAWN BY: KPC

SHEET TITLE:
LEVEL 1 FIRE SPRINKLER PLAN

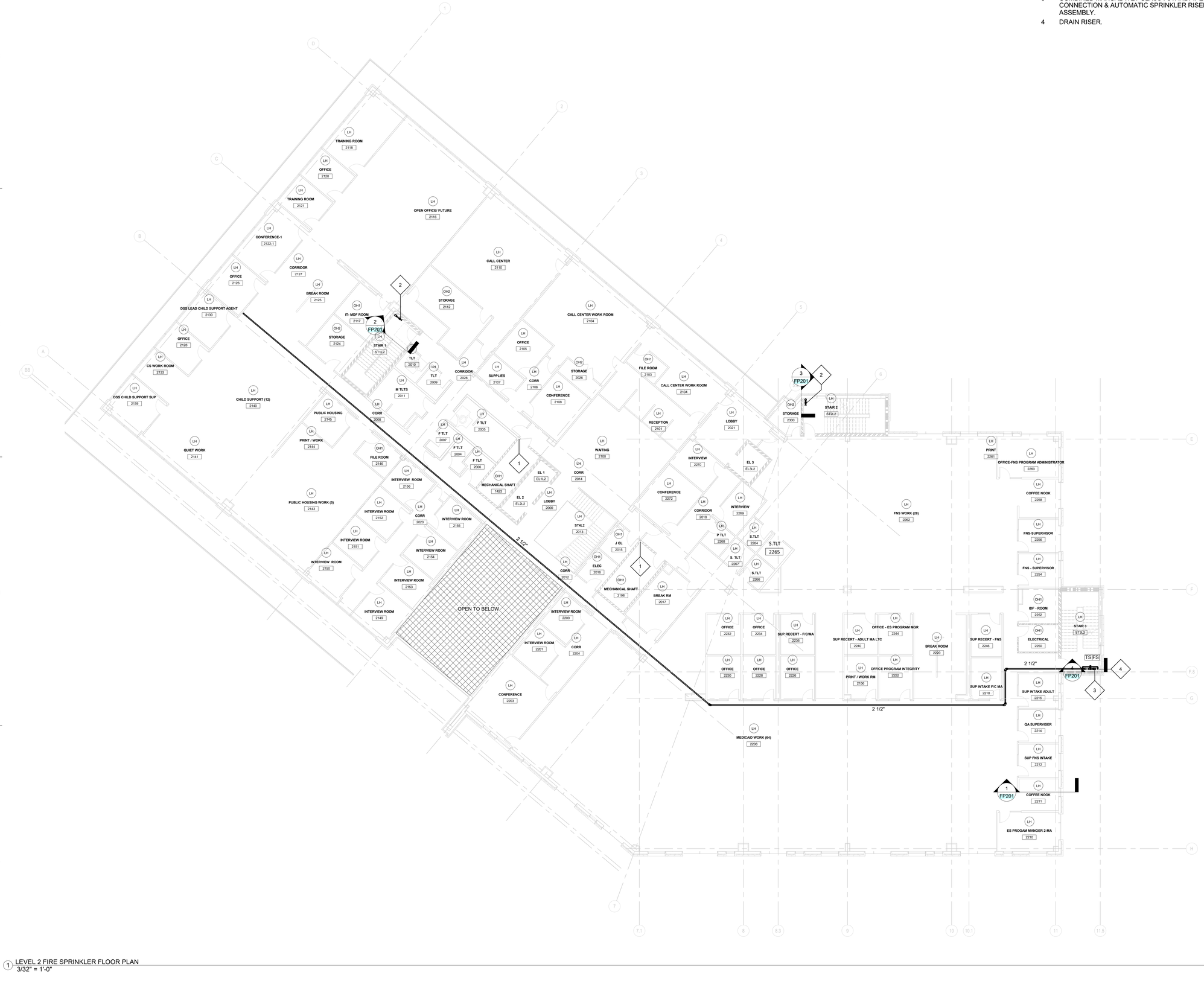
SHEET NO. FP101
PROJ. NO. 25.248

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ARE NOT TO BE USED ON ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY, ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

4/2/2026 9:14:41 PM Autodesk Docs://25.248 BCDSS Bruns...Human Services.rvt

KEYNOTE LEGEND

1 SPRINKLER REQUIRED NEAR BOTTOM OF SHAFT PER NFPA 13 SECTION 8.15.2.3.
2 CLASS I MANUAL WET STANDPIPE RISER WITH 2 1/2" FD. HOSE VALVE CONNECTION.
3 COMBINED MANUAL WET CLASS I STANDPIPE WITH 2 1/2" FD. HOSE VALVE CONNECTION & AUTOMATIC SPRINKLER RISER AND ZONE CONTROL ASSEMBLY.
4 DRAIN RISER.



1 LEVEL 2 FIRE SPRINKLER FLOOR PLAN
3/32" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

SUMMIT FIRE CONSULTING
575 MINNEHAHA AVE WEST, ST. PAUL MN 55103
PHONE (651) 251-1880 FAX (651) 251-1879

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02.06.2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/26	REVIEW COMMENTS 1

NORTH CAROLINA PROFESSIONAL SEAL 046319 ENGINEER DAVID F. STACY 4-2-26

PRINCIPAL IN CHARGE:
PROJECT ARCHITECT:
DRAWN BY: KPC

SHEET TITLE:
LEVEL 2 FIRE SPRINKLER PLAN

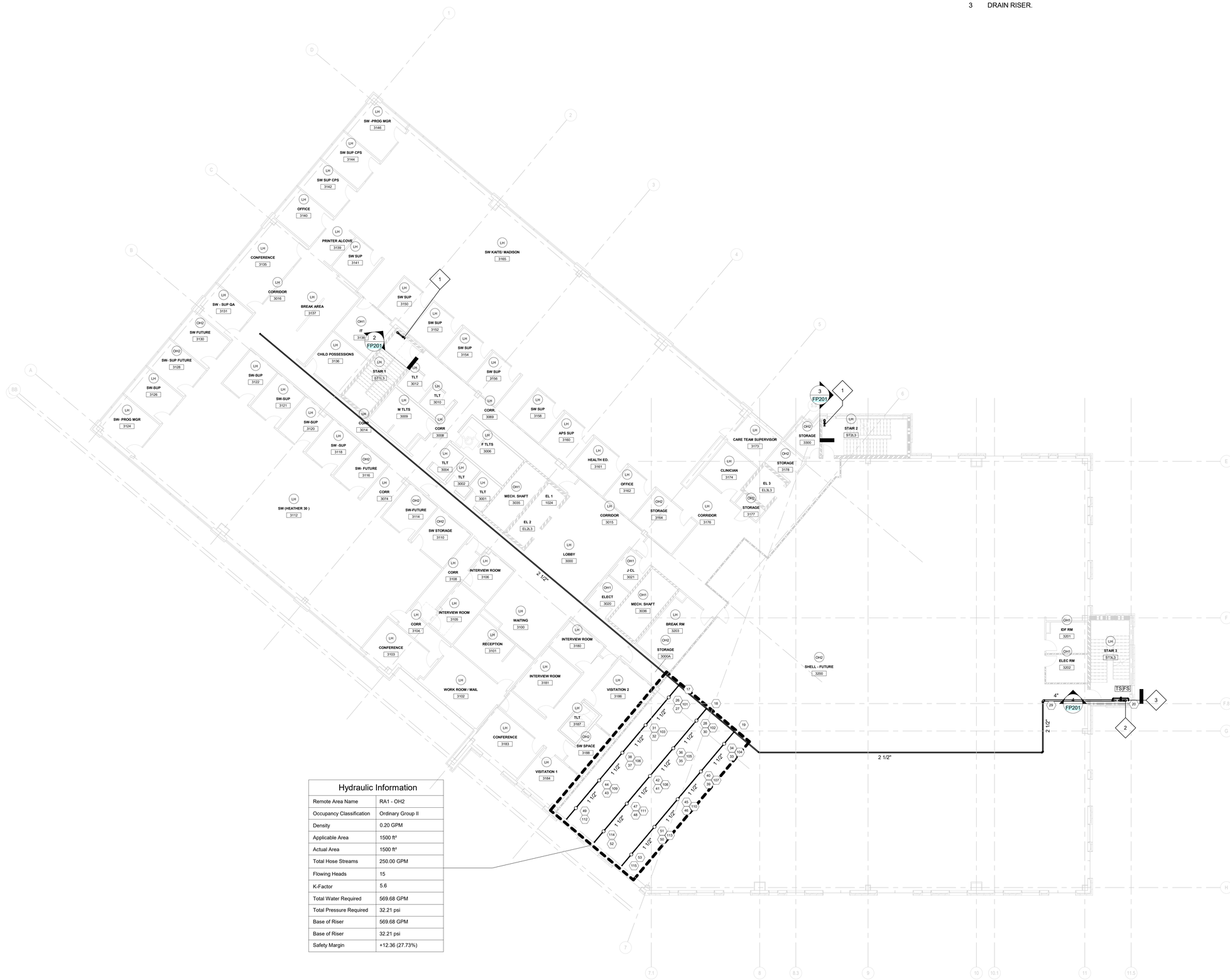
SHEET NO. FP102
PROJ. NO. 25.248

KEYNOTE LEGEND

1 CLASS I MANUAL WET STANDPIPE RISER WITH 2 1/2" FD. HOSE VALVE CONNECTION.

2 COMBINED MANUAL WET CLASS I STANDPIPE WITH 2 1/2" FD. HOSE VALVE CONNECTION & AUTOMATIC SPRINKLER RISER AND ZONE CONTROL ASSEMBLY.

3 DRAIN RISER.



Hydraulic Information	
Remote Area Name	RA1 - OH2
Occupancy Classification	Ordinary Group II
Density	0.20 GPM
Applicable Area	1500 ft²
Actual Area	1500 ft²
Total Hose Streams	250.00 GPM
Flowing Heads	15
K-Factor	5.6
Total Water Required	569.68 GPM
Total Pressure Required	32.21 psi
Base of Riser	569.68 GPM
Base of Riser	32.21 psi
Safety Margin	+12.36 (27.73%)

1 LEVEL 3 FIRE SPRINKLER FLOOR PLAN
3/32" = 1'-0"

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SATISFACTORILY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

SUMMIT FIRE CONSULTING
575 MINNEHAHA AVE WEST, ST. PAUL MN 55103
PHONE (651) 251-1880 FAX (651) 251-1879

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02.06.2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/26	REVIEW COMMENTS 1

NORTH CAROLINA PROFESSIONAL SEAL 046319 ENGINEER DAVID F. STACY 4-2-26

PRINCIPAL IN CHARGE:
PROJECT ARCHITECT:
DRAWN BY: KPC

SHEET TITLE:
LEVEL 3 FIRE SPRINKLER PLAN

SHEET NO. FP103

PROJ. NO. 25.248

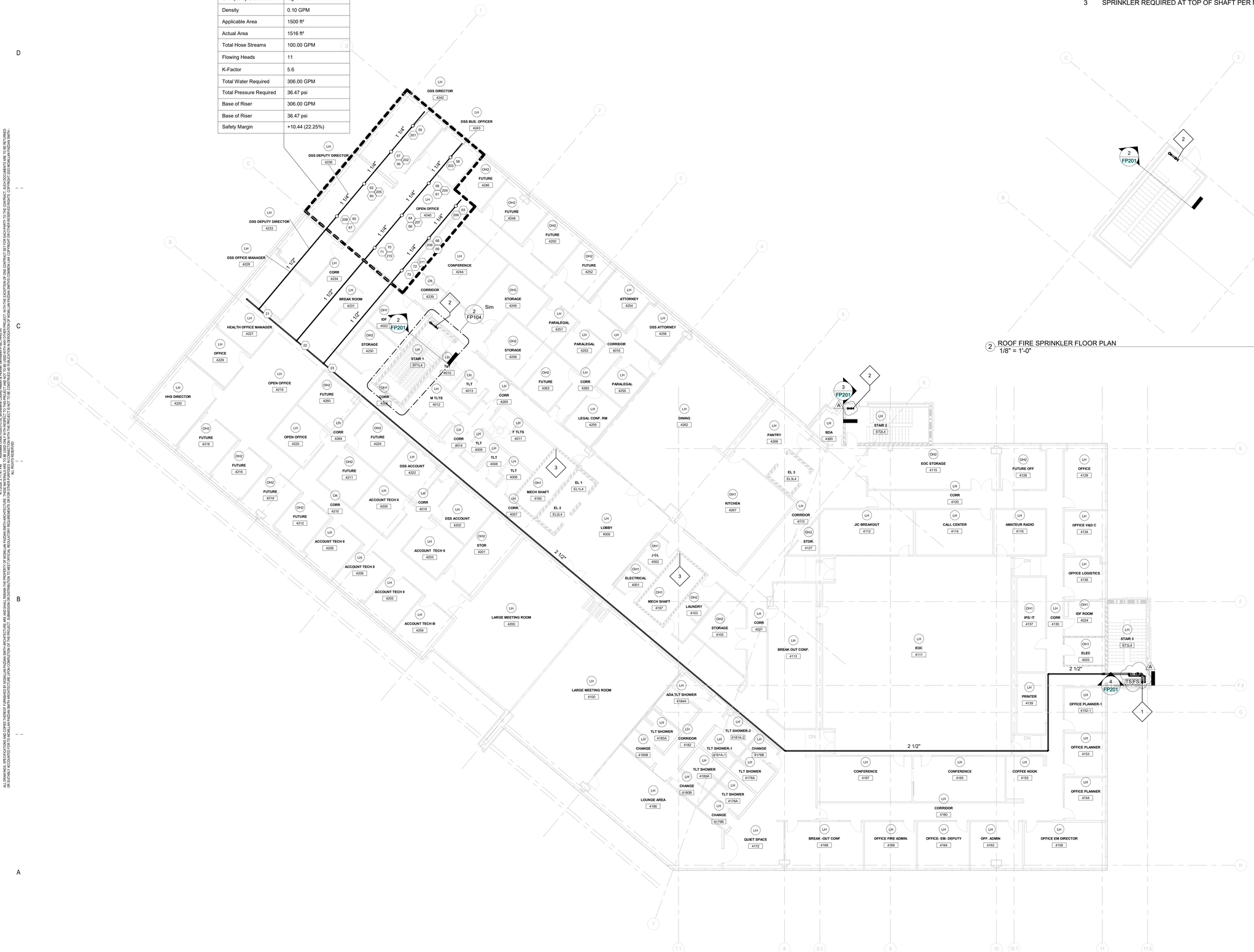
Hydraulic Information	
Remote Area Name	RA2 - LH
Occupancy Classification	Light Hazard
Density	0.10 GPM
Applicable Area	1500 ft²
Actual Area	1516 ft²
Total Hose Streams	100.00 GPM
Flowing Heads	11
K-Factor	5.6
Total Water Required	306.00 GPM
Total Pressure Required	36.47 psi
Base of Riser	306.00 GPM
Base of Riser	36.47 psi
Safety Margin	+10.44 (22.25%)

KEYNOTE LEGEND

1 COMBINED MANUAL WET CLASS I STANDPIPE WITH 2 1/2" FD. HOSE VALVE CONNECTION & AUTOMATIC SPRINKLER RISER AND ZONE CONTROL ASSEMBLY.

2 CLASS I MANUAL WET STANDPIPE RISER WITH 2 1/2" FD. HOSE VALVE CONNECTION.

3 SPRINKLER REQUIRED AT TOP OF SHAFT PER NFPA 13 SECTION 8.15.2.1.



1 LEVEL 4 FIRE SPRINKLER FLOOR PLAN
3/32" = 1'-0"

2 ROOF FIRE SPRINKLER FLOOR PLAN
1/8" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

SUMMIT FIRE CONSULTING
575 MINNEHAHA AVE WEST, ST. PAUL MN 55103
PHONE (651) 251-1880 FAX (651) 251-1879

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02.06.2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/26	REVIEW COMMENTS 1

NORTH CAROLINA PROFESSIONAL SEAL 046319 ENGINEER DAVID F. STACY 4-2-26

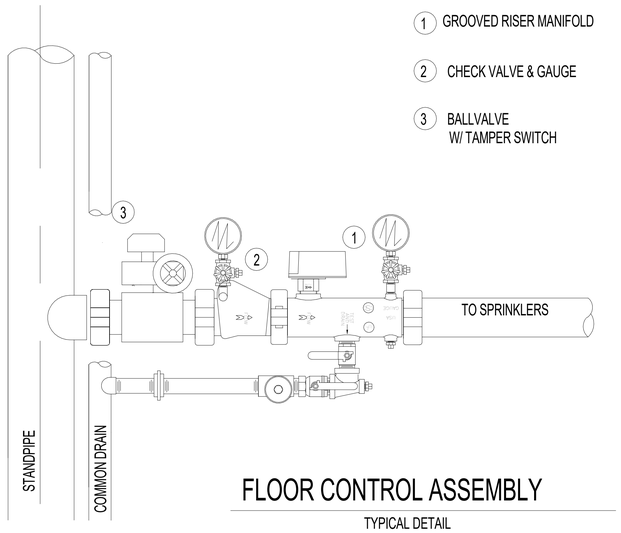
PRINCIPAL IN CHARGE:
PROJECT ARCHITECT:
DRAWN BY: KPC

SHEET TITLE:
LEVEL 4 FIRE SPRINKLER PLAN

SHEET NO. FP104
PROJ. NO. 25.248

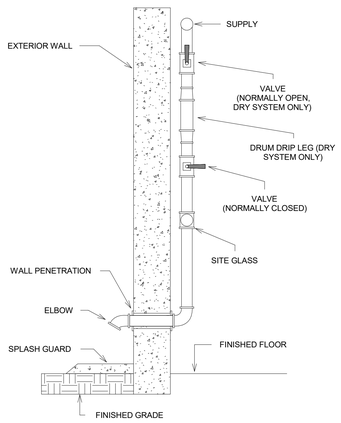
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERED, ACCURATELY CITED TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED



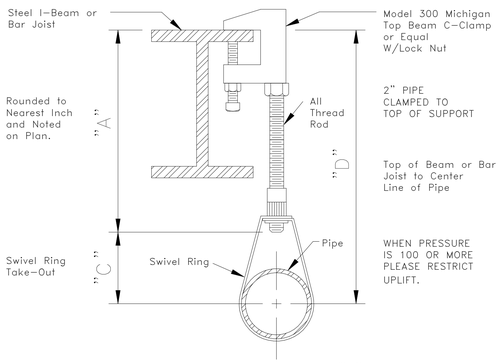
FLOOR CONTROL ASSEMBLY

TYPICAL DETAIL



TYPICAL INSPECTORS TEST AND MAIN DRAIN OUTLET

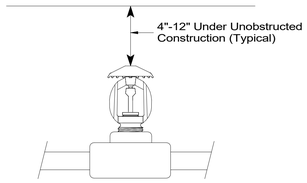
Top Beam C–Clamp

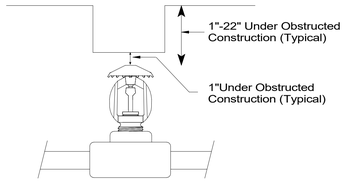


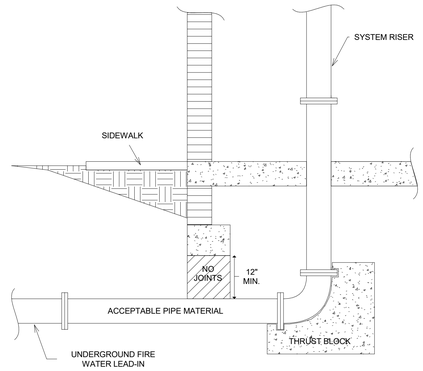
Note on Plan: Hanger Number and "A" Dimension

TYPICAL PIPE HANGER DETAIL

TYPICAL PIPE HANGAR DETAIL







TYPICAL RISER LEAD-IN DETAIL

HANGER INSTALLATION REQUIREMENTS

MAXIMUM DISTANCE BETWEEN HANGERS									
NOMINAL PIPE SIZE	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	6"
BLAZEMASTER CPVC	5' 6"	6' 0"	6' 6"	7' 0"	8' 0"	9' 0"	10' 0"	N/A	N/A
THREADABLE LIGHTWALL	N/A	12' 0"	12' 0"	12' 0"	12' 0"	12' 0"	12' 0"	N/A	N/A
STEEL PIPE (10/ 40)	N/A	12' 0"	12' 0"	15' 0"	15' 0"	15' 0"	15' 0"	15' 0"	15' 0"

100 PSI STATIC PRESSURE ON SYSTEM REQUIRES UP-LIFT RESTRAINT WITHIN 12 INCHES HORIZONTALLY OF HEAD FOR ARM-OVERS AND END OF BRANCH LINE

THE UNSUPPORTED LENGTH BETWEEN THE END SPRINKLER AND THE LAST HANGER ON THE LINE SHALL NOT EXCEED 36" FOR 1" PIPE, 48" FOR 1 1/4" PIPE AND 60" FOR 1 1/2" PIPE OR LARGER

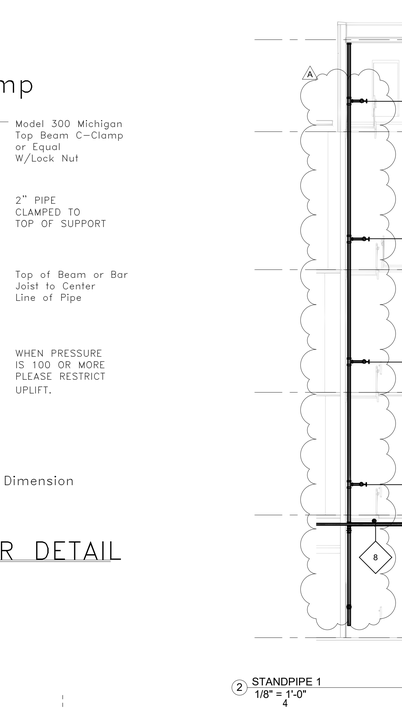
THE CUMULATIVE HORIZONTAL LENGTH OF AN UNSUPPORTED ARMOVER TO A SPRINKLER, SPRINKLER DROP, OR SPRIG-UP SHALL NOT EXCEED 24"

TRAPEZE INSTALLATION REQUIREMENTS

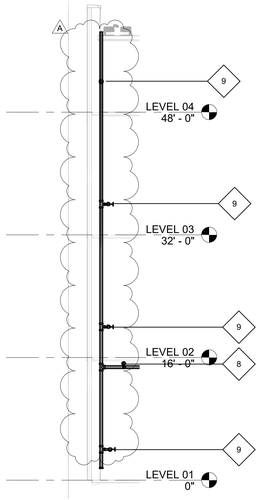
SPAN OF TRAPEZE (Schedule 10)	NOMINAL PIPE SIZE SUPPORTED							
	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	6"
1 FT. 6 IN.	1"	1"	1"	1"	1"	1"	1-1/4"	1-1/4"
2 FT. 0 IN.	1"	1"	1"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/2"
2 FT. 6 IN.	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/2"	2"
3 FT. 0 IN.	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/2"	1-1/2"	1-1/2"	2"
4 FT. 0 IN.	1-1/2"	1-1/2"	1-1/2"	1-1/2"	2"	2"	2"	2-1/2"
5 FT. 0 IN.	2"	2"	2"	2"	2"	2"	2-1/2"	2-1/2"
6 FT. 0 IN.	2"	2"	2"	2"	2"	2-1/2"	2-1/2"	3"
7 FT. 0 IN.	2"	2"	2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	3"
8 FT. 0 IN.	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	3"
9 FT. O IN.	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	3"	4"
10 FT. 0 IN.	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	3"	3"	4"

KEYNOTE LEGEND

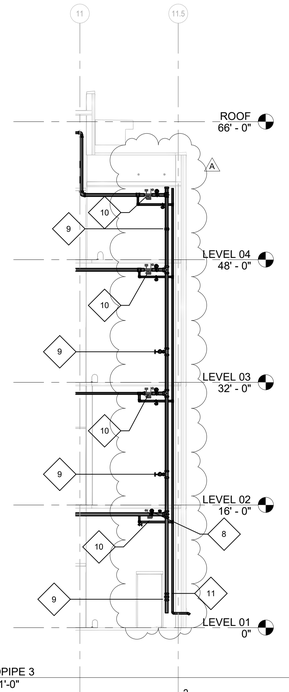
1 SUPPLY FROM UNDERGROUND CITY MAIN.
2 GATE VALVE SHALL BE SUPERVISED OPEN BY MEANS OF AN ELECTRONIC TAMPER SWITCH TIED INTO THE FIRE ALARM SYSTEM AND REPORTING TO THE CENTRAL SYSTEM.
3 FIRE PUMP RATED FOR 500GPM @ 47PSI.
4 BUTTERFLY VALVE SHALL BE SUPERVISED OPEN BY MEANS OF AN ELECTRONIC TAMPER SWITCH TIED INTO THE FIRE ALARM SYSTEM AND REPORTING TO THE CENTRAL STATION.
5 CHECK VALVE.
6 PROVIDE FLOOR CONTROL VALVE ASSEMBLY WITH FLOW SWITCH, PRESSURE GAUGE AND INSPECTOR'S TEST AND DRAIN.
7 WALL MOUNT 5" STORZ FDC.
8 STANDPIPE SHUT OFF VALVE.
9 2 1/2" FD HOSE VALVE CONNECTION.
10 PROVIDE FLOOR CONTROL VALVE WITH FLOW SWITCH, PRESSURE GAUGE AND INSPECTOR'S TEST AND 2" DRAIN TO EXTERIOR.
11 DRAIN RISER.



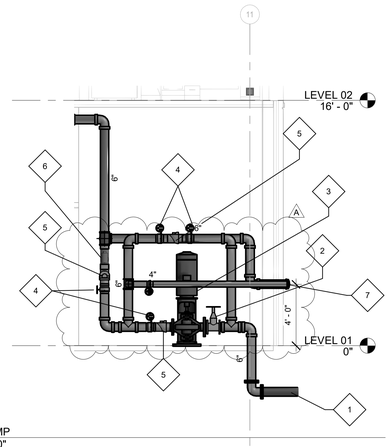
2 STANDPIPE 1
1/8" = 1'-0"



3 STANDPIPE 2
1/8" = 1'-0"



4 STANDPIPE 3
1/8" = 1'-0"



1 FIRE PUMP
1/4" = 1'-0"

mcmillan pazdan smith ARCHITECTURE
EDIFICE CONSTRUCTION
SUMMIT FIRE CONSULTING
575 MINNEHAHA AVE WEST, ST. PAUL MN 55103
PHONE (651) 251-1880 FAX (651) 251-1879

BRUNSWICK COUNTY HEALTH AND HUMAN SERVICES
67 GOVERNMENT CENTER DR.
BRUNSWICK COUNTY, NORTH CAROLINA

ISSUE DATE: 02.06.2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/26	REVIEW COMMENTS 1

NORTH CAROLINA PROFESSIONAL SEAL 046319 ENGINEER DAVID F. STACY 4-2-26

PRINCIPAL IN CHARGE:
PROJECT ARCHITECT:
DRAWN BY: KPC

SHEET TITLE:
FIRE SPRINKLER RISER/PUMP ROOM PLAN AND DETAILS

SHEET NO. FP201
PROJ. NO. 25.248

TELECOMMUNICATIONS GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO THE LASTED ADOPTED NATIONAL ELECTRICAL CODE, STATE CODE, LOCAL AUTHORITY REQUIREMENTS, BICSI STANDARDS AND BRUNSWICK COUNTY STANDARDS.
2. THE CONTRACTOR SHALL VISIT THE PREMISES AND THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL DETAILS OF THE WORK AND WORKING CONDITIONS. VERIFY ALL FIELD CONDITIONS AND ADVISE THE ENGINEER OF ANY DISCREPANCY THAT MAY PREVENT OR HINDER THE SPECIFIED WORK FROM BEING COMPLETED.
3. THE CONTRACTOR SHALL STUDY THE STRUCTURE AND FINISH CONDITIONS AFFECTING THEIR WORK AND SHALL COORDINATE THEIR WORK ACCORDINGLY. THE CONTRACTOR SHALL PROVIDE ALL ACCESSORIES, HANGERS, AND ANCHORS AS NECESSARY TO MEET SUCH CONDITIONS WITHOUT ANY ADDITIONAL COST.
4. PRIOR TO ACCOMPLISHING ANY WORK IN ANY AREA, ALL WORK SHALL BE PLANNED AND COORDINATED WITH OTHER TRADES. ALL ROUGH-IN FOR LOW VOLTAGE WIRING TO BE FURNISHED AND INSTALLED BY THE E.C. UNLESS OTHERWISE NOTED. ALL LINE VOLTAGE POWER FOR LOW VOLTAGE EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C., UNLESS OTHERWISE NOTED.
5. PROPERLY SUPPORT ALL WORK AND EQUIPMENT INSTALLED UNDER THIS CONTRACT. STUDY ALL DRAWINGS, MANUFACTURER'S INSTRUCTIONS, AND CATALOG DATA TO DETERMINE HOW EQUIPMENT ACCESSORIES, AND RELATED ITEMS ARE TO BE SUPPORTED, MOUNTED, OR SUSPENDED. PROVIDE ALL BOLTS, INSERTS, BRACKETS, STRUCTURAL SUPPORTS, AND ACCESSORIES FOR PROPER SUPPORT OF EQUIPMENT FURNISHED UNDER THIS CONTRACT, UNLESS OTHERWISE NOTED TO BE BY E.C.
6. COORDINATE MOUNTING HEIGHT AND LOCATION OF ALL WALL MOUNTED EQUIPMENT WITH ARCHITECTURAL ELEVATIONS.
7. THE TELECOMMUNICATIONS DRAWINGS ARE DIAGRAMMATIC. THE TELECOMMUNICATIONS INSTALLATION SHALL BE FULLY COORDINATED WITH ALL OTHER TRADES, PRIOR TO ROUGH-IN, BETWEEN ARCHITECTURAL, ELECTRICAL, SECURITY, AUDIO VISUAL, MECHANICAL AND FIRE PROTECTION WORK.
8. FOR CABLING ROUTED ON WALLS WITHIN THE TELECOM ROOM, BETWEEN SLEEVES/CONDUITS AND OVERHEAD RUNWAY SYSTEM, ROUTE CABLING ON WALL WITH VERTICAL CABLE RUNWAY TO TRAIN CABLING TO AVOID SAGGING AND STRAINING.
9. IN GENERAL, THE E.C. IS PROVIDING ALL THE FLEXIBLE AND RIGID CONDUIT, BOXES, RINGS, SUPPORTS, AND CABLE TRAY FOR THE TELECOMMUNICATIONS CABLING, UNLESS OTHERWISE NOTED.
10. ALL CATEGORY CABLING SHALL BE FURNISHED AND INSTALLED BY OWNER. ALL CATEGORY CABLE TESTING SHALL BE BY OWNER.

AV GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO THE LASTED ADOPTED NATIONAL ELECTRICAL CODE, STATE CODE, LOCAL AUTHORITY REQUIREMENTS, BICSI STANDARDS, AVIXA STANDARDS AND SPECIFICATIONS.
2. THE CONTRACTOR SHALL VISIT THE PREMISES AND THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL DETAILS OF THE WORK AND WORKING CONDITIONS. VERIFY ALL FIELD CONDITIONS AND ADVISE THE ENGINEER OF ANY DISCREPANCY THAT MAY PREVENT OR HINDER THE SPECIFIED WORK FROM BEING COMPLETED.
3. THE CONTRACTOR SHALL STUDY THE STRUCTURE AND FINISH CONDITIONS AFFECTING THEIR WORK AND SHALL COORDINATE THEIR WORK ACCORDINGLY. THE CONTRACTOR SHALL PROVIDE ALL ACCESSORIES, BLOCKING FRO MONITORS/SCREENS, PROJECTOR PIPES, HANGERS, AND ANCHORS AS NECESSARY TO MEET SUCH CONDITIONS WITHOUT ANY ADDITIONAL COST.
4. PRIOR TO ACCOMPLISHING ANY WORK IN ANY AREA, ALL WORK SHALL BE PLANNED AND COORDINATED WITH OTHER TRADES. ALL ROUGH-IN FOR LOW VOLTAGE WIRING TO BE FURNISHED AND INSTALLED BY THE E.C. UNLESS OTHERWISE NOTED. ALL LINE VOLTAGE POWER FOR LOW VOLTAGE EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE E.C., UNLESS OTHERWISE NOTED.
5. PROPERLY SUPPORT ALL WORK AND EQUIPMENT INSTALLED UNDER THIS CONTRACT. STUDY ALL DRAWINGS, MANUFACTURER'S INSTRUCTIONS, AND CATALOG DATA TO DETERMINE HOW EQUIPMENT ACCESSORIES, AND RELATED ITEMS ARE TO BE SUPPORTED, MOUNTED, OR SUSPENDED. PROVIDE ALL BOLTS, INSERTS, BRACKETS, STRUCTURAL SUPPORTS, AND ACCESSORIES FOR PROPER SUPPORT OF EQUIPMENT FURNISHED UNDER THIS CONTRACT, UNLESS OTHERWISE NOTED TO BE BY E.C.
6. COORDINATE MOUNTING HEIGHT AND LOCATION OF ALL WALL MOUNTED EQUIPMENT WITH ARCHITECTURAL ELEVATIONS.
7. THE AUDIO VISUAL DRAWINGS ARE DIAGRAMMATIC. THE AUDIO VISUAL INSTALLATION SHALL BE FULLY COORDINATED WITH ALL OTHER TRADES, PRIOR TO ROUGH-IN, BETWEEN THE AUDIO VISUAL WIRING AND DEVICES AND ARCHITECTURAL, ELECTRICAL, SECURITY, TELECOMMUNICATIONS, MECHANICAL AND FIRE PROTECTION WORK.
8. ALL LOW VOLTAGE CABLING AS INDICATED ON THESE "T" SHEET DRAWINGS SHALL BE INSTALLED IN CONDUIT UP TO ABOVE ACCESSIBLE CEILINGS.
9. IN GENERAL, THE E.C. IS PROVIDING ALL THE CONDUIT AND BOXES FOR THE AUDIO VISUAL CABLING, UNLESS OTHERWISE NOTED, AVC TO PROVIDE J-HOOKS ON 5' CENTERS WHERE CONDUIT OR TRAY IS NOT PROVIDED.
10. ALL WIRING SHALL BE PLENUM RATED.
11. ALL EQUIPMENT MUST BE LABELED BY AN APPROVED 3RD PARTY TESTING LAB.
12. ALL WALL MOUNTED DISPLAYS MUST BE MOUNTED ON ARTICULATING MOUNTS THAT FOLD UP INTO BACKBOXES AND ARE NOT VISUAL FROM THE FRONT OF THE DISPLAY, TO ALLOW FOR AT LEAST 12" OF ACCESS TO BEHIND THE DISPLAYS FOR MAINTENANCE.
13. COORDINATE PROGRAMMING REQUIREMENTS OF ANY IN ROOM PC's, CONTROLLER AND WIRELESS PRESENTATION DEVICES WITH THE OWNER.
14. PROVIDE ALL CONTROLLER SOURCE CODES AND FINAL WIRING/EQUIPMENT AS-BUILT DESIGNS TO THE OWNER.
15. PROVIDE ALL CONTROLLER'S MAKE, MODEL #, SERIAL #, HOST NAME, MAC ADDRESS, ROOM LOCATION, ETC. TO THE OWNER FOR THEIR PROGRAMMING INTO THEIR SERVERS.
16. PROVIDE ANY SPECIAL HARDWARE TOOLS TO THE OWNER FOR FUTURE MAINTENANCE OR ACCESS TO EQUIPMENT.
17. GENERAL CONTRACTOR TO PROVIDE STUDS FRAMED OUT TO SUPPORT CHIEF BACKBOXES AT EACH OF THE AV MONITOR LOCATIONS. AV CONTRACTOR TO ASSIST IN IDENTIFYING THE EXACT LOCATIONS IN THE FIELD.
18. PROVIDE A COMPLETE END TO END SOLUTION FOR A FULL WORKING SYSTEM, INCLUDING WIRING, EQUIPMENT, PROGRAMMING, ETC., AVC TO PROVIDE ALL CAT6 PATCH CORDS AND INTERCONNECT CABLING PAST THE TELECOM WALL OR FLOOR OUTLET.
19. PROVIDE A COMPLETE SET OF SHOP DRAWINGS WITH POINT TO POINT WIRING DIAGRAMS, EQUIPMENT LOCATIONS, MOUNTING FOR EACH PIECE OF EQUIPMENT, RACK LAYOUTS,BEHIND DISPLAY LAYOUTS, UNDER TABLE LAYOUTS, PRODUCT DATA SHEETS, ELECTRICAL POWER AND ROUGH-IN NEEDS, ETC.
20. ATTEND PRECONSTRUCTION AND POST ROUGH-IN MEETINGS WITH ELECTRICAL CONTRACTOR TO ENSURE ALL ROUGH-IN IS CORRECT.
21. COORDINATE ALL AV DEVICES MOUNTED IN THE CEILING WITH THE G.C. TO AVOID CONFLICTS.
22. TURN OVER AND LABEL ALL REMOTES FOR DIGITAL SIGNAGE/DISPLAY TV'S TO OWNER, FOR THEIR STORING AT A MAIN CHECK-IN DESK COUNTER.
23. IN ROOM PC'S TO BE FURNISHED AND INSTALLED BY OWNER. NIC. A.V.C. TO TEST AND SIMULATE THE IN ROOM PC'S IN EACH ROOM WITH THEIR LAPTOP TO CONFIRM FUNCTIONALITY.
24. CENTER ALL DEVICES BEING MOUNTED IN CEILING TILES, INCLUDING MICROPHONES, SPEAKERS, ETC.
25. PROVIDE A 8-1/2" X 11" LAMINATED AND PRINTED SET OF AV OPERATING INSTRUCTIONS, FOR EACH ROOM, SPECIFIC TO EACH ROOM. SUBMIT AS A SHOP DRAWING FOR REVIEW PRIOR TO TURNING OVER.
26. ALL ROOM DISPLAYS TAGGED WITH 'RDWX' SHALL HAVE AT A MINIMUM, 3/4" CONDUIT AND J-BOX ROUGH-IN FOR AUDIOVISIUAL CONTROLLER, POWER AND DATA DROP TO CHIEF BACKBOX. SEE AV PLANS FOR ADDITIONAL AV DEVICES.

SECURITY GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO THE LATEST ADOPTED NATIONAL ELECTRICAL CODE, STATE BUILDING CODE, LOCAL AUTHORITY REQUIREMENTS, BICSI STANDARDS, AVIXA STANDARDS, ASIS STANDARDS, OWNER'S SECURITY GUIDELINES AND SPECIFICATIONS.
2. THE SECURITY CONTRACTOR SHALL VISIT THE PREMISES AND THOROUGHLY FAMILIARIZE THEMSELF WITH ALL DETAILS OF THE WORK AND WORKING CONDITIONS. VERIFY ALL FIELD CONDITIONS AND ADVISE THE ENGINEER OF ANY DISCREPANCY THAT MAY PREVENT OR HINDER THE SPECIFIED WORK FROM BEING COMPLETED.
3. THE SECURITY CONTRACTOR SHALL STUDY THE SITE AND PROPOSED CAMERA LOCATION CONDITIONS AFFECTING THEIR WORK AND SHALL COORDINATE THEIR WORK ACCORDINGLY. THE CONTRACTOR SHALL PROVIDE ALL ACCESSORIES, STRAPS, HANGERS, MOUNTS, BRACKETS AND ANCHORS AS NECESSARY TO MEET SUCH CONDITIONS WITHOUT ANY ADDITIONAL COST TO THE OWNER.
4. PRIOR TO ACCOMPLISHING ANY WORK IN ANY AREA, ALL WORK SHALL BE PLANNED AND COORDINATED WITH THE OWNER.
5. PROPERLY SUPPORT ALL WORK AND EQUIPMENT INSTALLED UNDER THIS CONTRACT. STUDY ALL EXISTING CONDITIONS AND MANUFACTURER'S INSTRUCTIONS, AND CATALOG DATA TO DETERMINE HOW BEST EQUIPMENT ACCESSORIES AND RELATED ITEMS ARE TO BE SUPPORTED, MOUNTED, OR SUSPENDED. PROVIDE ALL BOLTS, INSERTS, BRACKETS, STRUCTURAL SUPPORTS, AND ACCESSORIES FOR PROPER SUPPORT OF EQUIPMENT FURNISHED UNDER THIS CONTRACT, UNLESS OTHERWISE NOTED TO BE BY E.C.
6. THE DRAWINGS ARE DIAGRAMMATIC.
7. PROVIDE ALL REQUIRED LICENSES FOR ACESS CONTROLLED DOORS/SOFTWARE/HARDWARE; OWNER SHALL PROVIDE ANY 'AI' LICENSES.
8. PROVIDE OWNER'S TRAINING ON WEB ACCESSED SECURITY SOFTWARE.
9. LABEL ALL SERVERS, POWER SUPPLIES, CONTROL PANELS, ETC. PER THE OWNER'S DIRECTION.
10. ALL LOW VOLTAGE CABLING AS INDICATED ON THESE "T" SHEET DRAWINGS CAN BE SHARED USING THE SAME BASKET STYLE CABLE TRAY, THAT IS BEING PROVIDED BY THE E.C., WITH LIKE CABLES BUNDLED WITH VELCRO EVERY 10'. PATCH CORDS TO EQUIPMENT TO BE BY S.C.
11. PROVIDE HOOK AND LOOP FASTENERS ON BUNDLES OF LIKE CABLES ON THE CABLE RUNWAY WITHIN THE TELECOM ROOM AND ON 6" CENTERS FROM RUNWAY TO FINAL TERMINATION WITH THE RESPECTIVE RACKS, CABINETS, PUNCHDOWN BLOCKS, ETC.
12. FOR CABLING ROUTED ON WALLS WITHIN THE TELECOM ROOM, BETWEEN SLEEVES/CONDUITS AND OVERHEAD RUNWAY SYSTEM, ROUTE CABLING ON WALL WITHIN D RINGS TO TRAIN CABLING TO AVOID SAGGING AND STRAINING.
13. THE E.C. SHALL PROVIDE ALL THE LINE VOLTAGE POWER, RACEWAYS, BOXES, RINGS, AND SUPPORTS FOR THE SECURITY CABLING, UNLESS OTHERWISE NOTED. E.C. TO PROVIDE PULLSTRINGS IN ALL LOW VOLTAGE CONDUITS. T.C. TO PROVIDE SLEEVES, CABLE TRAYS AND J-HOOKS ON 5' CENTERS WHERE CONDUIT OR TRAY IS NOT PROVIDED. IT IS NOTED THAT MOST CEILINGS ARE EXPOSED AT 20' AFF AND CABLING NEEDS TO BE ROUTED AND SUPPORTED AT THAT HEIGHT, TIGHT TO DECK AND ALONG WALLS.
14. E.C. SHALL PROVIDE ALL LINE VOLTAGE WIRING, UNLESS OTHERWISE NOTED. S.C. SHALL PROVIDE ALL LOW VOLTAGE POWER SUPPLIES AS REQUIRED TO SUPPORT THEIR LOW VOLTAGE SYSTEMS NEEDS.
15. ALL WIRING SHALL BE PLENUM RATED.
16. ALL EQUIPMENT MUST BE LABELED BY AN APPROVED 3RD PARTY TESTING LAB.
17. CONTRACTOR AND INSTALLING TECHNICIAN SHALL BE MERCURY/HID/BRIVO MFGR CERTIFIED.
18. CAMERAS, CAMERA LICENSES AND VMS BY OWNER.
19. COORDINATE ALL ELECTRIFIED DOOR HARDWARE WITH DIVISION 08 SPECIFICATIONS, DOOR HARDWARE SCHEDULE ON THE ARCHITECTURAL DRAWINGS AND DOOR HARDWARE CONTRACTOR.
20. BRUNSWICK COUNTY SHALL PROVIDE ALL CATEGORY CABLING FOR CAMERAS AND SECURITY DEVICES.

ABBREVIATIONS

Type	Description
AC	ALTERNATING CURRENT
AFC	ABOVE FINISHED COUNTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AMP	AMPERE
AP	(WIRELESS) ACCESS POINT
AV	AUDIO VISUAL
AVC	AUDIO VISUAL CONTRACTOR
AWG	AMERICAN WIRE GAUGE
BCT	BONDING CONDUCTOR FOR TELECOM
BET	BUILDING ENTRANCE TERMINAL
C	CONDUIT
CATV	CABLE TELEVISION
CLG	CEILING
CM	CEILING MOUNT
COR	CONTRACTING OFFICER REPRESENTATIVE
CR	CARD READER
DS	DIGITAL SIGNAGE
EC	ELECTRICAL CONTRACTOR
EMT	ELECTRICAL METALLIC TUBING
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
G OR GND	GROUND
GC	GENERAL CONTRACTOR
GFGI	GOVERNMENT FIRNISH GOVERNMENT INSTALLED
GOV'T	GOVERNMENT
HH	HANDHOLD
IG	ISOLATED GROUND
INTERCOM	INTERCOMMUNICATION
J-BOX	JUNCTION BOX
KW	KILOWATTS
LH	LEFT HAND
LV	LOW VOLTAGE
MA	MAXIMUM
MATV	MASTER ANTENNA TELEVISION (CATV)
MC	MECHANICAL CONTRACTOR
MD	MOTION DETECTOR
MH	MANHOLE
MIC	MICROPHONE
MIN	MINIMUM
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
P	POLE
PA	PUBLIC ADDRESS
PACS	PHYSICAL ACCESS CONTROL SYSTEM
PB	PUSH BUTTON SWITCH
PBB	PRIMARY BONDING BUSBAR
PET	PROTECTED ENTRANCE TERMINAL
POS	POINT OF SALE
RH	RIGHT HAND
RIM	READER INTERFACE MODULE
RS	ROOM SCHEDULE DISPLAY
RU	RACK UNIT
SBB	SECONDARY BONDING BUSBAR
SC	SECURITY CONTRACTOR
SOG	SLAB ON GRADE
SPD	SURGE SUPPRESSION DEVICE
SPKR	SPEAKER
TC	TELECOMMUNICATIONS CONTRACTOR, TIME CLOCK
TEBC	TELECOM EQUIPMENT BONDING CONDUCTOR
TR	TELECOM ROOM
TTB	TELEPHONE TERMINAL BOARD
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE

ABBREVIATIONS

Type	Description
UON	UNLESS OTHERWISE NOTED
V	VOLT(S)
W	WATTS OR WIRE
WAP	WIRELESS ACCCESS POINT
WG	WIRE GUARD
WIC	WALL MOUNTABLE INTERCONNECT CENTER
WP	WEATHERPROOF

TECHNOLOGY SHEET INDEX

SHEET NUMBER	SHEET NAME
T-001	TECHNOLOGY- GENERAL NOTES
T-002	TECHNOLOGY- SYMBOL LEGEND
TS101	TELECOM - SITE PLAN
TN101A	TELECOM - LEVEL 1 FLOOR PLAN - AREA A
TN101B	TELECOM - LEVEL 1 FLOOR PLAN - AREA B
TN102A	TELECOM - LEVEL 2 FLOOR PLAN - AREA A
TN102B	TELECOM - LEVEL 2 FLOOR PLAN - AREA B
TN103A	TELECOM - LEVEL 3 FLOOR PLAN - AREA A
TN103B	TELECOM - LEVEL 3 FLOOR PLAN - AREA B
TN104A	TELECOM - LEVEL 4 FLOOR PLAN - AREA A
TN104B	TELECOM - LEVEL 4 FLOOR PLAN - AREA B
TN101	TELECOM - LEVEL 1 - PATHWAY PLAN
TN102	TELECOM - LEVEL 2 - PATHWAY PLAN
TN103	TELECOM - LEVEL 3 - PATHWAY PLAN
TN104	TELECOM - LEVEL 4 - PATHWAY PLAN
TN401	TELECOM ENLARGED PLANS
TN402	TELECOM ENLARGED PLANS
TN501	TELECOM - DETAILS
TN502	TELECOM - DETAILS
TN601	TELECOM - RISERS
TA101A	AUDIO VISUAL - LEVEL 1 FLOOR PLAN - A
TA102A	AUDIO VISUAL - LEVEL 2 FLOOR PLAN - A
TA101B	AUDIO VISUAL - LEVEL 1 FLOOR PLAN - B
TA102B	AUDIO VISUAL - LEVEL 2 FLOOR PLAN - B
TA103A	AUDIO VISUAL - LEVEL 3 FLOOR PLAN - A
TA103B	AUDIO VISUAL - LEVEL 3 FLOOR PLAN - B
TA104A	AUDIO VISUAL - LEVEL 4 FLOOR PLAN - A
TA104B	AUDIO VISUAL - LEVEL 4 FLOOR PLAN - B
TA401	AUDIO VISUAL - DISPLAY ELEVATIONS
TA402	AUDIO VISUAL - DISPLAY ELEVATIONS
TA501	AUDIO VISUAL - DETAILS
TA503	AUDIO VISUAL - DETAILS
TA502	AUDIO VISUAL - DETAILS
TY101A	SECURITY - LEVEL 1 FLOOR PLAN - AREA A
TY101B	SECURITY - LEVEL 1 FLOOR PLAN - AREA B
TY102A	SECURITY - LEVEL 2 FLOOR PLAN - AREA A
TY102B	SECURITY - LEVEL 2 FLOOR PLAN - AREA B
TY103A	SECURITY - LEVEL 3 FLOOR PLAN - AREA A
TY103B	SECURITY - LEVEL 3 FLOOR PLAN - AREA B
TY104A	SECURITY - LEVEL 4 FLOOR PLAN - AREA A
TY104B	SECURITY - LEVEL 4 FLOOR PLAN - AREA B
TY501	SECURITY - DETAILS

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH.
ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: DAJ
PROJECT ARCHITECT: BF
DRAWN BY: DRA

SHEET TITLE:
TECHNOLOGY- GENERAL NOTES

SHEET NO. T-001
PROJ. NO. 024370.00

SYMBOL LEGEND

(NOTE: NOT ALL SYMBOLS ARE NECESSARILY USED ON PLANS)

TYPE	DESCRIPTION
	CABLE RUNWAY, SEE ENLARGED TELECOM ROOM PLANS FOR SIZE, LOCATION AND LENGTH. PROVIDE ALL REQUIRED HARDWARE, SWEEPING BENDS, HANGERS ETC., INSTALL PER MANUFACTURERS RECOMMENDATIONS.
	COMMUNICATIONS CABLE TRAY, FURNISHED AND INSTALLED BY THE E.C.
	TELECOM REUSABLE FIRE-RATED SLEEVE THROUGH WALL, 4" SQUARE X 14" LONG, 1/2/3/4 HOUR RATINGS, WITH RADIUS CONTROL MODULES. STI EZ PATH #44+/EZRCM44S OR EQUAL.
FRONT	FLOOR/WALL MOUNTED TELECOM CABINET. SEE RACK ELEVATION DETAIL AND FLOOR PLANS FOR ADDITIONAL INFORMATION.
FRONT	FLOOR MOUNTED 2-POST TELECOM RACK WITH 6" VERTICAL WIRE MANAGEMENT UNLESS OTHERSIDE NOTED. SEE RACK ELEVATION DETAIL AND FLOOR PLANS FOR ADDITIONAL INFORMATION.
TTB	TELECOMMUNICATIONS TERMINATION BACKBOARD - 3/4" THICK X 8' HIGH X LENGTH PER PLANS, UON. BACKBOARD SHALL BE FIRE RATED NON-PAINTED, VOID FREE, A/C GRADE WITH 'A' SIDE FACING OUT. CONTRACTOR TO HAVE NETWORK ENTERPRISE CENTER VERIFY RATING PRIOR TO HANGING PLYWOOD.
PBB/SBB	TELECOMMUNICATIONS STYLE COPPER GROUND BAR WITH STAND-OFF INSULATORS. PROVIDE 2 HOLE LONG BARREL IRREVERSIBLE CRIMP CONNECTIONS FOR ALL BONDING AND GROUNDING CONDUCTORS. REFER TO DETAILS FOR FURTHER INFORMATION. SUBSCRIPT "PBB" DENOTES PRIMARY BONDING BUSBAR. SUBSCRIPT "SBB' DENOTES SECONDARY BONDING BUSBAR.
	TELECOM OUTLET AT 18" AFF, CABLING FURNISHED AND INSTALLED BY BRUNSWICK COUNTY. ROUGH-IN A 4-11/16"SQ X 2-1/8"D BOX, W/ 1G RING, 1" CONDUIT TO ABOVE CEILING BY E.C.
	TELECOM OUTLET MOUNTED AT HEIGHT TO MATCH SIMILAR ELECTRICAL HEIGHTS FOR SWITCHES & ABOVE COUNTERS PER ADA, CABLING FURNISHED AND INSTALLED BY BRUNSWICK COUNTY. ROUGH-IN A 4-11/16" SQ X 2-1/8" D BOX, W/ 1G RING, 1" CONDUIT TO ABOVE CEILING BY E.C.
	TELECOM WIRELESS ACCESS POINT (WAP) OUTLET, FLUSH MOUNTED IN CLG, W/ A 4-11/16" SQ X 2-1/8" D BOX, 1" CONDUIT TO ABOVE CEILING BY E.C. CABLING FURNISHED AND INSTALLED BY BRUNSWICK COUNTY.
AV	TELECOM OUTLET WALL/PENDANT MOUNTED FOR ROOM DISPLAY AS NOTED, W/ (4) CAT6 CABLES & (4) RJ-45 CAT6 JACKS FURNISHED AND INSTALLED BY BRUSWICK COUNTY. ROUGH-IN A SINGLE GANG J-BOX MOUNTED FLUSH TO THE SIDE OF A COMMON RECESSED CHIEF #PAC501B AV BOX, 3/4" CONDUIT TO ABOVE CEILING BY E.C., REFER TO OUTLET & FACEPLATE DETAILS, FLOOR PLAN AND TV ELEVATION DETAILS FOR WALL MOUNTING HEIGHTS.
AVC	TELECOM OUTLET WALL MOUNTED FOR AV CONTROLLER, W/ (1) CAT6 CABLE & (1) RJ-45 CAT6 JACK MOUNTED IN A BISCUIT JACK FURNISHED AND INSTALLED BY BRUSWICK COUNTY INSIDE OF A COMMON GANGABLE DEEP RECESSED AV BACKBOX FOR LARGER TOUCHSCREEN DISPLAYS AND A 4-11/16" SQ BY 2-1/8" D J-BOX FOR SMALLER BUTTON MENU CONTROLLERS. MOUNTED AT SWITCH HEIGHT, 1" CONDUIT TO ABOVE CEILING BY E.C. LOCATE J-BOX FLUSH MOUNTED AT SWITCH HEIGHT AND 12" ADJACENT TO THE EDGE OF PRIMARY DISPLAY, E.C. TO PROVIDE ADDITIONAL 3/4C" TO CHIEF BOX, REFER TO OUTLET & FACEPLATE DETAILS & TV ELEVATION DETAILS FOR WALL MOUNTING HEIGHTS AND TYPE OF CONTROLLER.
DS	TELECOM OUTLET WALL/PENDANT MOUNTED FOR DIGITAL SIGNAGE, W/ (2) CAT6 CABLES & (2) RJ-45 CAT6 JACKS FURNISHED AND INSTALLED BY BRUSWICK COUNTY. ROUGH-IN A SINGLE GANG J-BOX MOUNTED FLUSH TO THE SIDE OF A COMMON RECESSED CHIEF #PAC501B AV BOX, 3/4" CONDUIT TO ABOVE CEILING BY E.C. REFER TO OUTLET & FACEPLATE DETAILS & TV ELEVATION DETAILS FOR WALL MOUNTING HEIGHTS
RS	TELECOM OUTLET WALL MOUNTED FOR ROOM SCHEDULER, W/ (1) CAT6 CABLE & (1) RJ-45 CAT6 JACK IN A BISCUIT BOX FURNISHED AND INSTALLED BY BRUSWICK COUNTY. A 4-11/16" SQ X 2-1/8" D BOX, W/ 1G RING, 3/4" CONDUIT TO ABOVE CEILING BY E.C. REFER TO OUTLET & FACEPLATE DETAILS & TV ELEVATION DETAILS FOR WALL MOUNTING HEIGHTS
RDW#	COMMERCIAL DISPLAY, FOR PRESENTATION & VTC WITH INTERNAL FOLDING MOUNTING BRACKETS IN THE CHIEF BACKBOX, ALL IN ONE MICROPHONE/SPEAKER/CAMERA SOUND BAR MOUNTED JUST BELOW THE DISPLAY, HOST PC, KRAMER VIA GO WIRELESS PRESENTER, CRESTRON RECEIVER, SURGE PROTECTOR, E.C. TO FURNISH AND INSTALL CHIEF PAC501B AV BACKBOX, ASSOCIATED RECESSED DUPLEX RECEPTACLE AND CIRCUIT. G.C. TO FURNISH BLOCKING IN WALL. SOUND BAR REMOTE AND DISPLAY REMOTES TO BE USED TO CHANGE BETWEEN SOURCES ALONG WITH ON/OFF AND VOLUME CONTROL. SEE DISPLAY SCHEDULE FOR SIZES AND ADDITIONAL INFORMATION.
DS#	COMMERCIAL DISPLAY FOR DIGITAL SIGNAGE WITH INTERNAL FOLDING BRACKETS IN THE CHIEF BACKBOX, ALL IN ONE, HOST PC, SURGE PROTECTOR. E.C. TO FURNISH AND INSTALL CHIEF PAC501B AV BACKBOX, ASSOCIATED RECESSED DUPLEX RECEPTACLE AND CIRCUIT. G.C. TO FURNISH BLOCKING IN WALL. DISPLAY REMOTES TO BE USED TO CHANGE BETWEEN SOURCES ALONG WITH ON/OFF AND VOLUME CONTROL. SEE DISPLAY SCHEDULE FOR SIZES AND ADDITIONAL INFORMATION.
AVC	AV INPUT PUSH BUTTON CONTROLLER, FLUSH MOUNTED ON WALL, WITH ASSOCIATED CABLING BACK TO CRESTRON RECEIVER BEHIND DISPLAY. LABELED LV PUSHBUTTONS PER DETAIL. SUBSCRIPT 'T' DENOTES TABLE TOP OPTION.
AVC 2	AV INPUT TOUCHSCREEN CONTROLLER, FLUSH MOUNTED ON WALL, WITH ASSOCIATED CABLING BACK TO CRESTRON RECEIVER BEHIND DISPLAY. LABELED TOUCHSCREEN BUTTONS PER DETAIL. SUBSCRIPT 'T' DENOTES TABLE TOP OPTION.
HDMI T	AV HDMI OVER IP TRANSMITTER OUTLET AT 18" AFF, WITH AV OVER IP CABLING FROM OUTLET UP TO THE CHIEF BOX BEHIND THE DISPLAY, E.C. TO PROVIDE THE 4-11/16" SQUARE BY 2-1/8" DEEP OUTLET BOX WITH SINGLE GANG RING WITH 1-1/4" CONDUIT UP TO THE CHIEF BOX.
HDMI	AV HDMI STRAIGH THROUGH OUTLET AT 18" AFF, WITH HDMI CABLING FROM OUTLET UP TO THE CHIEF BOX BEHIND THE DISPLAY, E.C. TO PROVIDE THE 4-11/16" SQUARE BY 2-1/8" DEEP OUTLET BOX WITH SINGLE GANG RING WITH 1-1/4" CONDUIT UP TO THE CHIEF BOX.
HDUC	AV HDMI AND USB-C OVER IP TRANSMITTER OUTLET AT 18" AFF, WITH AV OVER IP CABLING FROM OUTLET UP TO THE CHIEF BOX BEHIND THE DISPLAY, E.C. TO PROVIDE THE 4-11/16" SQUARE BY 2-1/8" DEEP OUTLET BOX WITH SINGLE GANG RING WITH 1-1/4" CONDUIT UP TO THE CHIEF BOX.
FB	AV HDMI OVER IP TRANSMITTER OUTLET IN FLOOR BOX, WITH AV OVER IP CABLING FROM FLOOR BOX UP TO THE CHIEF BOX BEHIND THE DISPLAY, E.C. TO PROVIDE FLOOR BOX AS INDICATED WITH 1-1/4" CONDUIT UP TO THE CHIEF BOX.
TB	AV TABLE TOP FLIP TOP BOX (CRESTRON #FT2-700) WITH WIRED HDMI AND USB-C INPUTS ON RETRACTABLE CORDS (CRESTRON #FT2A-CBLR-1T-4K-USBC-HD AND #FT2A-CBLR-1T-HD), (2) DUPLEX RECEPTACLE (CRESTRON #FT2A-PWR-US-2), (2) USB-C AND USB-A CHARGING PORT (CRESTRON #FT2A-CHGR-USBAC), FURNITURE CONTRACTOR TO CUT TABLE FOR TABLE TOP BOX, INSTALLATION BY AV CONTRACTOR. CABLING FROM TABLE TOP BOX UP TO THE CHIEF BOX BEHIND THE DISPLAY, E.C. TO PROVIDE FLOOR BOX OR POKE-THROUGH BELOW TABLE WITH 1-1/4" CONDUIT UP TO THE CHIEF BOX FOR AV CABLING TO PASS-THROUGH FROM TABLE BOX UP TO CHIEF BOX.
TB 2	AV TABLE TOP FLIP TOP BOX (CRESTRON #FT2-700) WITH WIRED HDMI INPUT ON RETRACTABLE CORD (CRESTRON #FT2A-CBLR-1T-HD), (2) DUPLEX RECEPTACLE (CRESTRON #FT2A-PWR-US-2), (2) USB-C AND USB-A CHARGING PORT (CRESTRON #FT2A-CHGR-USBAC), FURNITURE CONTRACTOR TO CUT TABLE FOR TABLE TOP BOX, INSTALLATION BY AV CONTRACTOR. CABLING FROM TABLE TOP BOX UP TO THE CHIEF BOX BEHIND THE DISPLAY, E.C. TO PROVIDE FLOOR BOX OR POKE-THROUGH BELOW TABLE WITH 1-1/4" CONDUIT UP TO THE CHIEF BOX FOR AV CABLING TO PASS-THROUGH FROM TABLE BOX UP TO CHIEF BOX.
PK	AV HDMI OVER IP TRANSMITTER OUTLET IN POKE-THROUGH FLOOR BOX, WITH AV OVER IP CABLING FROM POKE-THROUGH FLOOR BOX UP TO THE CHIEF BOX BEHIND THE DISPLAY, E.C. TO PROVIDE POKE-THROUGH FLOOR BOX AS INDICATED WITH 1-1/4" CONDUIT UP TO THE CHIEF BOX.
RS	ROOM SCHEDULER MOUNTED AT 46" AFF. CRESTRON #TSS-770-B-S IS BASIS OF DESIGN. PROVIDE SHORT PATCH CORD FROM BISCUIT JACK TO DEVICE.
MSB	TELECOM OUTLET INSIDE MAIN ELECTRICAL SWITCHBOARD FOR INTEGRAL POWER METER, W/ (1) CAT6 DATA CABLE & (1) RJ-45 CAT6 JACK IN A BISCUIT JACK, FURNISHED AND INSTALLED BY BRUSWICK COUNTY, MOUNTED IN 4-1/16" SQ. X 2-1/8" D BOX W/ 2G RING W/ NO COVER, 3/4" CONDUIT TO ABOVE CEILING BY E.C. REFER TO OUTLET & FACEPLATE DETAILS.
PACS	TELECOM OUTLET INSIDE ENCLOSURE FOR PHYSICAL ACCESS CONTROL SYSTEM, W/ (1) CAT6 DATA CABLE & (1) RJ-45 CAT6 JACK IN A BISCUIT JACK FURNISHED AND INSTALLED BY BRUSWICK COUNTY, MOUNTED INSIDE CONTROL PANEL BACK BOX, 3/4" CONDUIT TO ABOVE CEILING BY E.C. REFER TO OUTLET & FACEPLATE DETAILS.
FACP	TELECOM OUTLET INSIDE ENCLOSURE FOR FIRE ALARM SYSTEM, W/ (1) CAT6 DATA CABLE & (1) RJ-45 CAT6 JACK IN A BISCUIT JACK FURNISHED AND INSTALLED BY BRUSWICK COUNTY, MOUNTED INSIDE CONTROL PANEL BACK BOX, 3/4" CONDUIT TO ABOVE CEILING BY E.C. REFER TO OUTLET & FACEPLATE DETAILS.
TC	TELECOM OUTLET INSIDE TIME CLOCK BACKBOX FOR EMPLOYEE TIME CLOCK, W/ (1) CAT6 CABLE & (1) RJ-45 CAT6 JACK IN A BISCUIT JACK FURNISHED AND INSTALLED BY BRUSWICK COUNTY, MOUNTED INSIDE TIME CLOCK BACK BOX, 3/4" CONDUIT TO ABOVE CEILING BY E.C. REFER TO OUTLET & FACEPLATE DETAILS.
	TELECOM OUTLET SEMI-FLUSH MOUNTED ON SYSTEMS FURNITURE RACEWAY. FURNISHED AND INSTALLED BY BRUSWICK COUNTY IN SYSTEMS FURNITURE OUTLET. CABING SHALL BE ROUTED THROUGH SHARED 1-1/4" FLEXIBLE CONDUIT FROM SHARED 4-11/16"SQ. X 2-1/8"D BOX ON WALL OR FLOOR BOX, 1-1/4"C.
	TELECOM OUTLET FLOOR BOX OR POKE-THRU, PROVIDED BY E.C., CATEGORY CABLING FURNISHED AND INSTALLED BY BRUSWICK COUNTY. CABING SHALL BE ROUTED THROUGH 1" CONDUIT TO ABOVE CEILING.
R	TELECOM OUTLET RAISED FLOOR BOX, PROVIDED BY E.C., BASIS OF DESIGN IS FREEAXEZ LVCP70 LARGE FLOOR BOX WITH 6-PORT RJ-45 PLATE. COORDINATE JACK REQUIREMENTS FOR PLATE WITH BRUNSWICK COUNTY. BOX WILL BE INSTALLED IN FLOOR AND CATEGORY CABLING WILL FURNISHED AND INSTALLED BY BRUNSWICK COUNTY.

1-SENSOR 2-SENSOR 4-SENSOR	WALL OR CORNER MOUNTED IP-CAMERA. (1) CAT6 CABLE AND (1) CAT6 RJ-45 IN BISCUIT JACK FURNISHED AND INSTALLED BY BRUSWICK COUNTY IN A 4-11/16" SQ BY 2-1/8" D JUNCTION BOX WITH 1G FACEPLATE, FIELD VERIFY EXACT MOUNTING HEIGHT AND LOCATION WITH BRUNSWICK COUNTY SECURITY VENDOR. 3/4" CONDUIT TO NEAREST ACCESSIBLE CEILING. CAMERA FURNISHED AND INSTALLED BY BRUNSWICK COUNTY SECURITY VENDOR.
1-SENSOR 2-SENSOR 4-SENSOR	CEILING OR PENDANT MOUNTED IP-CAMERA. (1) CAT6 CABLE AND (1) CAT6 RJ-45 IN BISCUIT JACK FURNISHED AND INSTALLED BY BRUSWICK COUNTY IN A 4-11/16" SQUARE BY 2-1/8" DEEP JUNCTION BOX WITH 1G FACEPLATE AND CEILING GRID SUPPORT FOR GRID INSTALLATION, FIELD VERIFY EXACT MOUNTING HEIGHT AND LOCATION WITH BRUNSWICK COUNTY SECURITY VENDOR. 3/4" CONDUIT TO NEAREST ACCESSIBLE CEILING. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES. CAMERA FURNISHED AND INSTALLED BY BRUNSWICK COUNTY SECURITY VENDOR.
PACS	ACCESS CONTROL SYSTEM, WALL MOUNTED CABINETS, NETWORKED TOGETHER, WITH INTELLIGENT CONTROLLER & MULTIPLE READER INTERFACE MODULES AS REQ'D, MOUNT AT 60" AFF TO TOP OF CABINETS. REFER TO PACS RISER DIAGRAM. EXTEND THE LOCAL 120VAC HARD-WIRED CIRCUIT FROM A J-BOX TO THIS PANEL.
CR CK COMBINATION CARD READER W/KEYPAD	ACCESS CONTROLS SYSTEM, FIPS COMPLIANT, CONTACTLESS, SMART CARD READER, SHORT RANGE AND WALL MOUNTED AT HEIGHT TO MATCH SIMILAR ELECTRICAL HEIGHTS FOR SWITCHES PER ADA, 4"SQ X 2-1/8"D, 1G RING, 3/4"C. TO SECURITY J-BOX & THEN S.C. TO TELECOM ROOM ON SAME FLOOR, REFER TO PACS RISER DIAGRAM. POSITIVE CARD READ OPERATES ELECTRIFIED DOOR HARDWARE AND SHUNTS DOOR ALARM (SCREAMER) AND/OR DOOR CONTACT ALARM. 'ELEV' SUBSCRIPT DENOTES FOR S.C. TO INTEGRATE WITH G.C. PROVIDED CARD READER BUILT INTO ELEVATOR CAB AND G.C. PROVIDE ACCESS CONTROL CABLES BUILT INTO TRAVEL CABLE, S.C. TO WIRE ELEVATOR SUCH THAT VALID CARD PRESENTATION MUST TAKE PLACE PRIOR TO BEING ABLE TO ACTIVATE ELEVATOR TO UPPER FLOORS. 'ADA' SUBSCRIPT DENOTES FOR S.C. TO INTEGRATE W/ ADA MOTORIZED DOOR OPERATOR BY G.C., WIRE DOOR SUCH THAT VALID CARD PRESENTATION MUST TAKE PLACE PRIOR TO BEING ABLE TO ACTIVATE ADA PUSHPLATE DOOR OPERATOR WHEN ENTERING. 'PED' SUBSCRIPT DENOTES FREE-STANDING SS PEDESTAL W/ PROVISIONS FOR FLUSH MOUNTED CARD READER ALONG W/ THE 'ADA' PUSHPLATE BY OTHERS. 'M' SUBSCRIPT DENOTES MULLION STYLE/MOUNT. 'DE' SUBSCRIPT DENOTES DELAYED EGRESS, W/ CORRESPONDING DOOR HARDWARE BY THE G.C. AND WILL INTEGRATE W/ THE IDS SYSTEM TO ALARM ANYTIME EGRESS HAS BEEN MADE AFTER HOURS. AFTER HOURS, VALID CARD PRESENTATION WILL NOT CAUSE AN ALARM.
DC	ACCESS CONTROLS/INTRUSION SYSTEM, 1" DIAMETER DOOR CONTACTS, DOUBLE POLE DOUBLE THROW, TAMPERPROOF, RECESSED MOUNTED TO FRAME, DOOR CONTACT OUTPUTS SHALL BE CONNECTED TO THE PACS AND IDS SYSTEMS, FLEXIBLE 1/2"C. TO SECURITY J-BOX AND THEN S.C. TO PROVIDE J-HOOKS TO TELECOM ROOM, REFER TO PACS RISER DIAGRAM. DOOR CONTACTS TO BE FURNISHED AND INSTALLED BY G.C., AND WIRED BY S.C.
EL	ACCESS CONTROLS SYSTEM, ELECTRIC MORTISE LOCK, WITH INTEGRAL REQUEST TO EXIT DEVICE BY G.C. TO SHUNT ALARM UPON EXITING, WIRED BY S.C. THRU POWER TRANSFER HINGE BY G.C., REFER TO PACS RISER DIAGRAM.
ES	ACCESS CONTROLS SYSTEM, ELECTRIC STRIKE BUILT INTO DOOR HARDWARE BY G.C. ALLOWING FREE EGRESS, WIRED BY S.C., REFER TO PACS RISER DIAGRAM. SUBSCRIPT 'OH' DENOTES OVERHEAD TYPE STRIKE WITH FULL HEIGHT PULLS BY G.C.
EE	ACCESS CONTROLS SYSTEM, ELECTRIFIED EXIT DEVICE WITH INTEGRAL REQUEST TO EXIT BY G.C. TO SHUNT ALARM UPON EXITING, WIRED BY S.C. THRU POWER TRANSFER HINGE BY G.C., REFER TO PACS RISER DIAGRAM.
PT	ACCESS CONTROL SYSTEM, POWER TRANSFER HINGE, BUILT INTO DOOR HARDWARE WITH ACCESS CONTROL CABLING INSIDE DOOR FROM HINGE TO ELECTRIC LOCK, BY G.C. FOR TERMINATIONS ON EACH END BY S.C., 3/4"C. FROM POWER TRANSFER HINGE CONCEALED IN WALL TO SECURITY J-BOX BY E.C., S.C. TO PROVIDE J-HOOKS TO TELECOM ROOM, REFER TO PACS RISER DIAGRAM.
EH	ACCESS CONTROL SYSTEM, ELECTRIC TRANSFER HINGE, BUILT INTO DOOR HARDWARE WITH ACCESS CONTROL CABLING INSIDE DOOR FROM HINGE TO ELECTRIFIED LOCK, BY G.C. FOR TERMINATIONS ON EACH END BY S.C., 3/4"C. FROM ELECTRIC TRANSFER HINGE CONCEALED IN WALL TO SECURITY J-BOX BY E.C., S.C. TO PROVIDE J-HOOKS TO TELECOM ROOM, REFER TO PACS RISER DIAGRAM.
DA	DOOR ALARM (SCREAMER), FURNISHED BY G.C., POWERED AND CONTROLLED BY S.C., E.C. TO PROVIDE 4"SQ X 1-1/2"D, 1G RING ABOVE DOOR HEADER AND 1/2" FLEXIBLE CONDUIT INTO DOOR ALARM PANEL. SCREAMER SHALL BE ARMED DURING OFF BUSINESS HOURS AND INTEGRATED WITH THE S2 ACCESS CONTROL SYSTEM FOR INDIVIDUAL ALARMING, ANNUNICATION AND REMOTE RESET/OVERRIDE.
RTE	ACCESS CONTROL SYSTEM, REQUEST TO EXIT PUSHBUTTON, GREEN WITH LETTERING, WALL MOUNTED TO MATCH SIMILAR ELECTRICAL HEIGHTS FOR SWITCHES, 4"SQ X 1-1/2"D, 1G RING, 3/4"C. TO SECURITY J-BOX BY E.C. & THEN S.C. TO PROVIDE J-HOOKS TO TELECOM ROOM, REFER TO PACS RISER DIAGRAM. PRESSING OF BUTTON RELEASES POWER TO THE MAG-LOCKS ALLOWING FREE EGRESS.
PIR	ACCESS CONTROLS SYSTEM, REQUEST TO EXIT PIR DEVICE, FURNISHED AND INSTALLED BY S.C. TO SHUNT ALARM UPON EXITING DOOR, WALL MOUNTED OVER DOOR OR IN LAY-IN CEILING IF LESS THEN 10'AFF. REFER TO PACS RISER DIAGRAM.
DE	ACCESS CONTROLS SYSTEM, DELAYED EGRESS PANIC BAR ON INSIDE OF DOOR BY G.C., WIRED BY S.C. THRU POWER TRANSFER ELECTRIFIED HINGE BY G.C., REFER TO PACS DIAGRAM.
SJ	ACCESS CONTROLS/INTRUSION DETECTION SYSTEM, SECURITY J-BOX TO BE PROVIDED BY S.C., LOCATE ABOVE EACH STANDARD HEIGHT CLG OVER SECURE/ALARMED DOOR ON SECURE SIDE, OR 24" ABOVE EACH SECURE/ALARMED DOOR DOOR W/ HIGH CLG, W/ LOW VOLTAGE TERMINAL STRIPS, AND ANY NECESSARY INTERFACES. S.C. TO PROVIDE J-HOOKS TO TELECOM ROOM, REFER TO PACS RISER DIAGRAM.
LD	ACCESS CONTROL SYSTEM, DOOR LOCKDOWN BUTTON, MOUNTED UNDER DESK. FIELD VERIFY EXACT LOCATION. 1/2" FLEXIBLE CONDUIT UNDER DESK, TRANSITION TO 3/4"C. UP TO S.C. PROVIDED J-HOOKS TO TELECOM ROOM, REFER TO INTRUSION DETECTION SYSTEM RISER DIAGRAM.
PS	ACCESS CONTROLS SYSTEM, POWER SUPPLY CABINET, BATTERY BACKUP AND CHARGER W/ 120VAC IN & 12 AND 24VDC OUT TO POWER ACCESS CONTROL SYSTEM, ELECTRIC STRIKES, DOOR LOCKS AND PANIC ALARM DEVICES. EXTEND THE LOCAL 120VAC HARD-WIRED CIRCUIT FROM A J-BOX TO THIS PANEL.
RDC	INTRUSION DETECTION SYSTEM, ROLL UP DOOR CONTACT, 3/4"C. TO S.C. PROVIDED J-HOOKS TO TELECOM ROOM, REFER TO INTRUSION DETECTION SYSTEM RISER DIAGRAM, FIELD VERIFY EXACT LOCATION REQUIRED.
VID	VIDEO INTERCOM SYSTEM, POE, REMOTE INTERCOM DOOR STATION, INTEGRAL IR IP CAMERA, HANDS FREE, FLUSH SS OUTDOOR RATED, MOUNTED ON WALL AT HEIGHT TO MATCH SIMILAR ELECTRICAL HEIGHTS FOR SWITCHES AND ABOVE COUNTERS PER ADA AND COMPATIBLE WITH OWNER'S PHONE SYSTEM, 2N EQUAL. REFER TO INTERCOM RISER DIAGRAM.
VIM	VIDEO INTERCOM SYSTEM, POE, MAIN INTERCOM STATION, INTEGRAL VIDEO DISPLAY OF REMOTE CAMERA, HANDS FREE, DESK MOUNTED, WITH REMOTE DOOR/GATE RELEASE BUTTONS. DEVICE FURNISHED AND INSTALLED BY THE OWNER.
VIR	VIDEO INTERCOM SYSTEM, RELAY, TO UNLOCK DOOR FROM REMOTE VIDEO INTERCOM MAIN STATION.
VIP	VIDEO INTERCOM SYSTEM, CORD AND PLUG, POWER SUPPLY.
OHP	OVER HEAD PROJECTOR. CEILING MOUNTED FROM PENDANT.
PJS	FLUSH CEILING MOUNTED MOTORIZED PROJECTOR SCREEN.
J XX	WALL JUNCTION BOX, PROVIDE STANDARD 4-11/16" SQUARE BY 2-1/8" DEEP BOX, UON. PROVIDE SHARED 1-1/4" FLEXIBLE CONDUIT FROM J-BOX ON WALL TO SYSTEMS FURNITURE, PROVIDE 1-1/4"C. TO T.C. PROVIDED J-HOOKS TO CABLE TRAY AND CONTINUE ON TO T.R. SUBSCRIPT 'SF' DENOTES SYSTEM FURNITURE CONNECTION. POWER WHIP TO BE PROVIDED BY FURNITURE VENDOR AND INSTALLED BY E.C.
J XX	FLOOR JUNCTION BOX OR POKE-THRU DEVICE, PROVIDED BY E.C., PROVIDE SHARED 1-1/4" FLEXIBLE CONDUIT FROM FLOOR BOX TO SYSTEMS FURNITURE, PROVIDE 1-1/4"C. TO T.C. PROVIDED J-HOOKS TO CABLE TRAY AND CONTINUE ON TO T.R. SUBSCRIPT 'SF' DENOTES SYSTEM FURNITURE CONNECTION. POWER WHIP TO BE PROVIDED BY FURNITURE VENDOR AND INSTALLED BY E.C.
SM	SOUND MASKING ONLY TYPE SPEAKER AND FOUR CHANNEL SYSTEM, RECESSED IN LAY-IN CEILINGS. SPEAKERS COLORS MUST BE APPROVED BY ARCHITECT. PROVIDE CONTROL MODULES, POWER SUPPLIES AND POWER INJECTORS FOR A FULLY FUNCTIONING SYSTEM. LENCORE OR EQUAL SYSTEM WITH ACTIVE EMITTERS OR EQUAL. SUBSCRIPT 'P' = PENDANT MOUNTED, 'D' = GYPSUM DRY BOARD MOUNTED, 'G' = ACOUSTICAL TILE MOUNTED. TYPICAL RECESSED GRID/DRYWALL SPEAKERS SHALL HAVE WHITE FINISH. 'WP' = RECESSED MOUNTED WEATHERPROOF SPEAKER. 'L' = LANDSCAPE AREA MOUNTED WEATHERPROOF SPEAKER.
AVR	AUDIO VISUAL WALL MOUNTED CABINET.
J AV	FLOOR JUNCTION BOX OR POKE-THRU DEVICE, PROVIDED BY E.C., PROVIDE 1-1/4" CONDUIT FROM FLOOR BOX TO CHIEF BOX BEHIND DISPLAY.
J R	RAISED FLOOR BOX PROVIDED BY E.C., USED FOR AV CABLING, BASIS OF DESIGN IS FREEAXEZ LVCP70 LARGE FLOOR BOX WITH LV70-016 DECORA CUTOUT PLATE.
M	AV MICROPHONE, CEILING RECESS MOUNTED. (BIAMP # Parlé TCM-X AND XEX OR EQUAL) COLORS MUST BE APPROVED BY ARCHITECT. POSITION BEAM TRACKING EXPANSION

TYPE	DESCRIPTION
S	AV SPEAKER, CEILING RECESSED MOUNTED. (BIAMP # DESONO C-IC6 OR EQUAL) COLORS MUST BE APPROVED BY ARCHITECT. PROVIDE CONTROL MODULES, POWER SUPPLIES AND AMPLIFIERS FOR A FULLY FUNCTIONING SYSTEM. SYSTEM WITH ACTIVE EMITTERS OR EQUAL.
VTC	AV VTC CAMERA, WALL MOUNTED WITH VOICE TRACKING AND LENS/MAGNIFICATION AS REQUIRED FOR EACH SPACE. (BIAMP #VIDI 250 OR EQUAL).
HH#	PRECAST REINFORCED CONCRETE HANDHOLE WITH STAINLESS STEEL HARDWARE. SEE SITE PLAN FOR SIZES.

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE DRAWINGS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED ON REQUEST. ALL REPRODUCTIONS OF THESE DRAWINGS IN WHOLE OR IN PART OR VARIATIONS THEREOF, BY ANY MEANS WHATSOEVER, ARE PROHIBITED AND ANY USE OF THESE DRAWINGS AND SPECIFICATIONS FOR CONSTRUCTION WITH RESPECT TO THIS PROJECT OR ANY OTHER PROJECT, EXCEPT BY AGREEMENT IN WRITING BY MCMILLAN PAZDAN SMITH ARCHITECTURE, IS STRICTLY PROHIBITED. ANY UNAUTHORIZED USE, DISCLOSURE OR DISTRIBUTION IS NOT PERMITTED AND MAY BE UNLAWFUL. ANY INFRINGEMENT WILL BE SUBJECT TO LEGAL ACTION, INCLUDING BUT NOT LIMITED TO, CLAIMS FOR DAMAGES AND INJUNCTIVE RELIEF. © COPYRIGHT 2025 MCMILLAN PAZDAN SMITH ARCHITECTURE. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

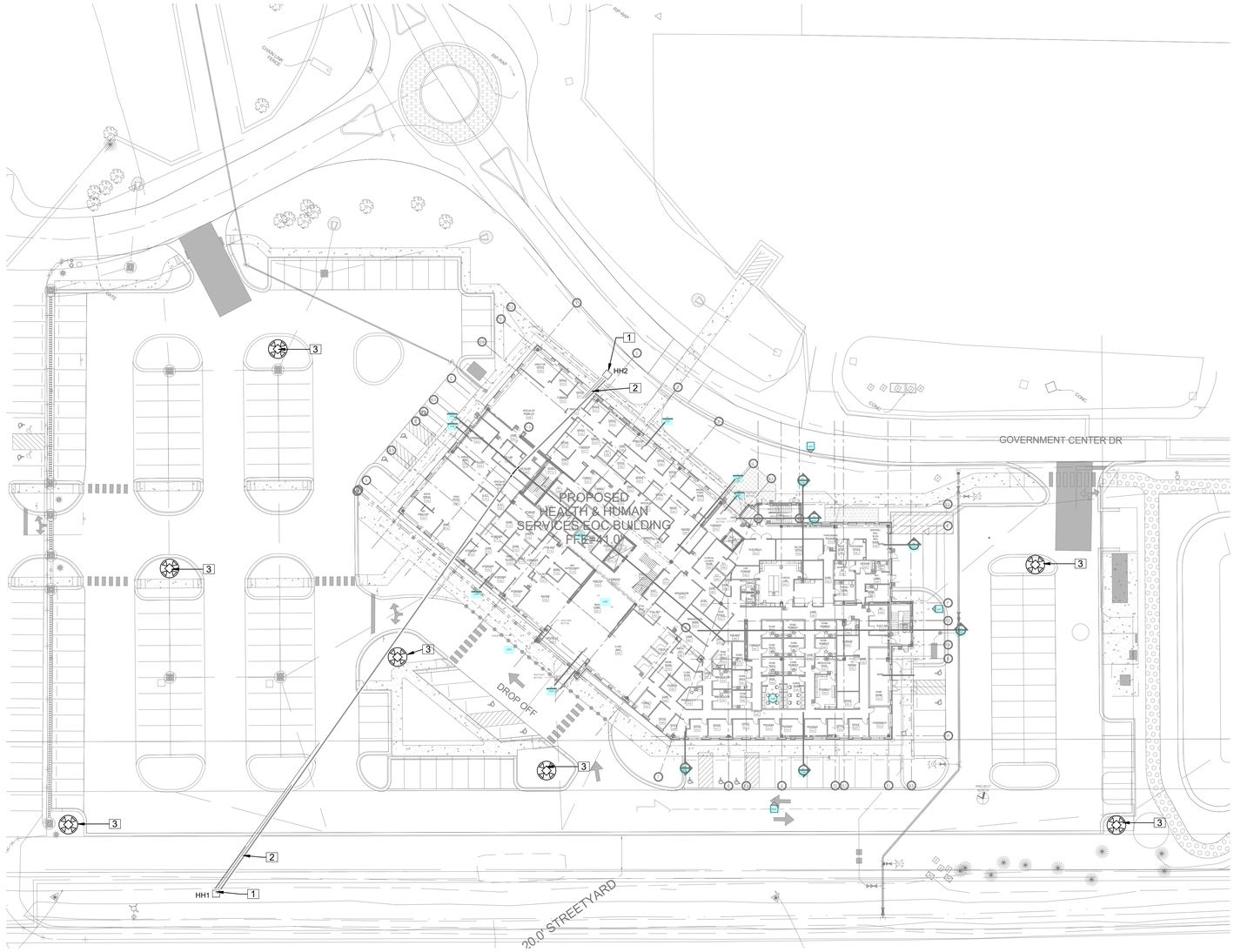
PRINCIPAL IN CHARGE: DAJ
PROJECT ARCHITECT: BF
DRAWN BY: Author

SHEET TITLE:

TECHNOLOGY-
SYMBOL LEGEND

SHEET NO. T-002

PROJ. NO. 024370.00



1 TELECOM SITE PLAN
SCALE 1" = 30'-0"

KEYED NOTES

1. PROVIDE 4'X4'X4' PRECAST CONCRETE HANDHOLE.
2. PROVIDE (3) 6" SCHEDULE 80 PVC CONDUITS. CONDUITS WILL TRANSITION TO RGS IN THE FIRST FLOOR IDF ROOM IN THE BUILDING AND CONTINUE UP TO THE 2ND FLOOR MDF ROOM.
3. PROVIDE 4" DIAMETER, 15' ALUMINUM DIRECT BUIRED POLE FOR EXTERIOR CAMERA WITH 1" PVC CONDUIT BACK TO NEAREST IDF ROOM IN THE BUILDING. PROVIDE 18"X18"X18" PRECAST CONCRETE HANDHOLE AT BASE OF POLE. STUB CONDUIT INTO POLE AND UP TO WEATHERPROOF SINGLE GANG J-BOX 12" FROM TOP OF POLE.

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SATISFACTORILY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. © COPYRIGHT 2021 MCMILLAN PAZDAN SMITH.
ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: DAJ
PROJECT ARCHITECT: BF
DRAWN BY: Author

SHEET TITLE:
TELECOM - SITE PLAN

SHEET NO. TS101
PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR STORED, ACCOUNTED FOR BY MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION OF SEET OF FICIAL REGULATORY REQUIREMENTS OR OTHER LEGITIMATE PURPOSES DOES NOT CONSTITUTE PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH ARCHITECTURE
ALL RIGHTS RESERVED

Autodesk Docs://2021/01 BL Brunswick County Health & Human Services/BCHS_Brunswick_HHS_Technology_2021.rvt
2/6/2026 8:55:33 AM



1 TELECOM - LEVEL 1- PATHWAY PLAN
SCALE 3/32" = 1'-0"

KEYED NOTES

1. 12" WIDE BY 4" DEEP BASKET STYLE CABLE TRAY MOUNTED ABOVE ACCESSIBLE CEILING.
2. 18" WIDE BY 4" DEEP BASKET STYLE CABLE TRAY MOUNTED ABOVE ACCESSIBLE CEILINGS.
3. (2) 4" CONDUIT SLEEVES MOUNTED ABOVE ACCESSIBLE CEILINGS.

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

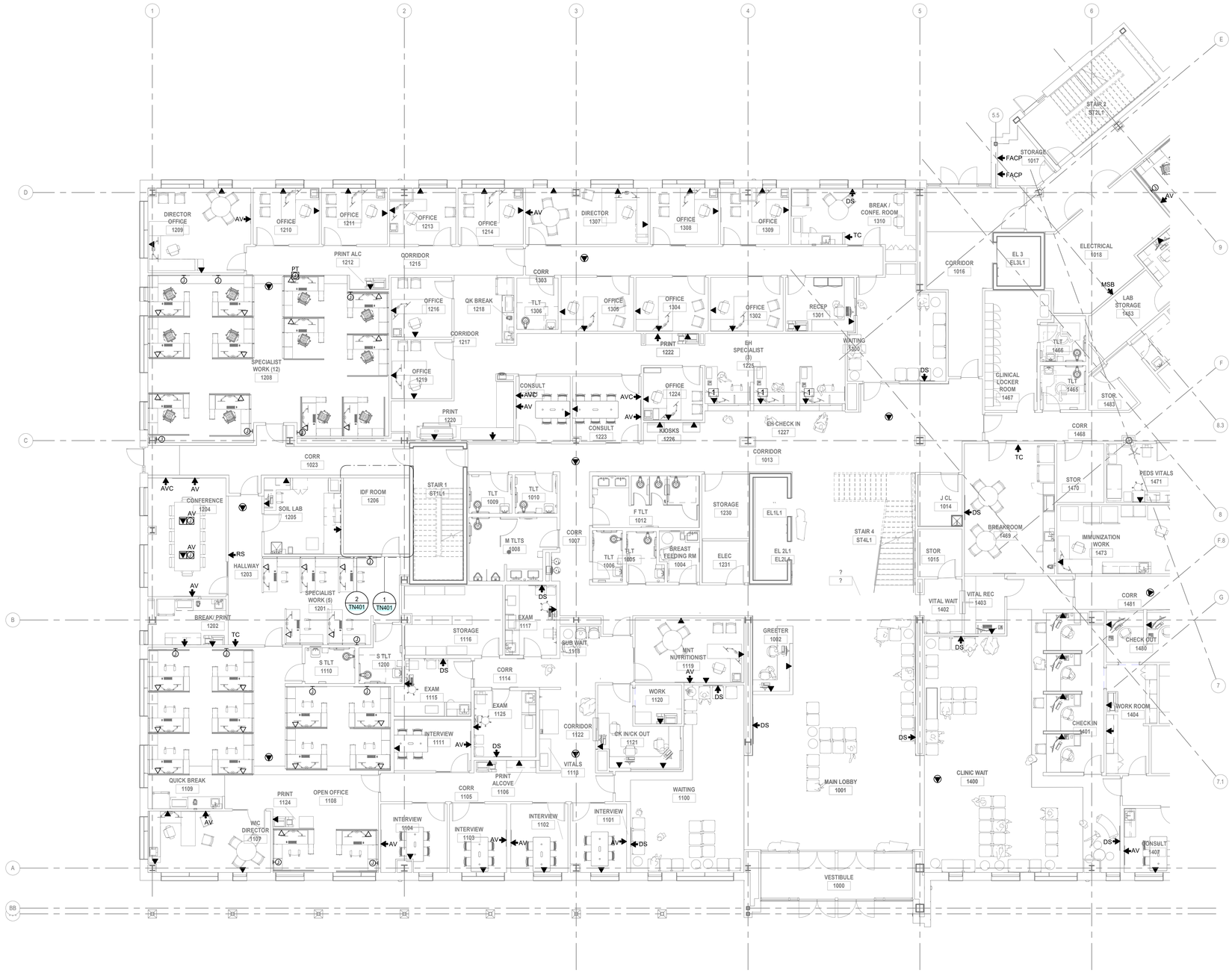
PRINCIPAL IN CHARGE: DAJ
PROJECT ARCHITECT: BF
DRAWN BY: Author

SHEET TITLE:
TELECOM - LEVEL 1 - PATHWAY PLAN

SHEET NO. TN101

PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED FOR ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR DELIVERED TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON DEMAND AT THE COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. © COPYRIGHT 2021 MCMILLAN PAZDAN SMITH ARCHITECTURE ALL RIGHTS RESERVED

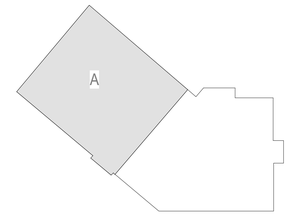


1 TELECOM - LEVEL 1 FLOOR PLAN - AREA A
SCALE 1/8" = 1'-0"

KEYED NOTES

1. DATA OUTLETS INSTALLED IN CASEWORK. COORDINATE EXACT LOCATIONS WITH CASEWORK VENDOR.

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: DAJ
PROJECT ARCHITECT: BF
DRAWN BY: Author

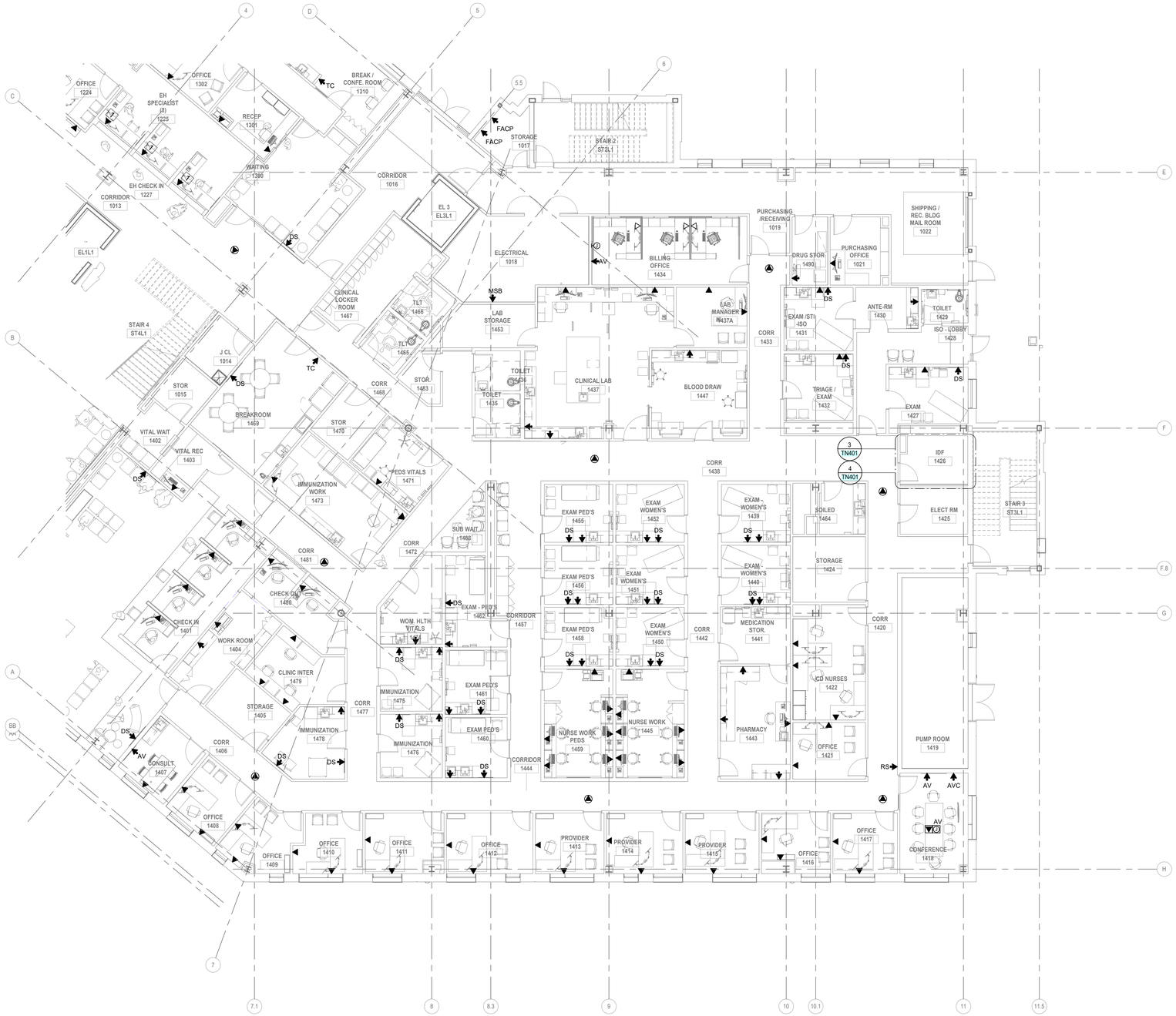
SHEET TITLE:

TELECOM - LEVEL 1 FLOOR PLAN - AREA A

SHEET NO. TN101A

PROJ. NO. 024370.00

PLOTTED: 2/6/26 8:31 AM - Autodesk Docs://PROJECTS @ Brunswick County Health & Human Services/BCHS_Brunswick_HHS_Technology_R21.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE; THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED FOR ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH.
ALL RIGHTS RESERVED



1 TELECOM - PARTIAL LEVEL 1 FLOOR PLAN - AREA B
SCALE 1/8" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

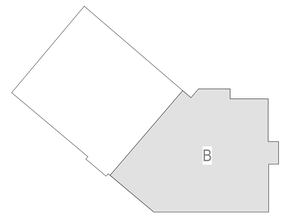
BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

KEY PLAN



PROJECT NORTH

PRINCIPAL IN CHARGE: DAJ
PROJECT ARCHITECT: BF
DRAWN BY: Author

SHEET TITLE:
TELECOM - LEVEL 1 FLOOR PLAN - AREA B

SHEET NO. TN101B
PROJ. NO. 024370.00



1 TELECOM - 2ND FLR - PATHWAY PLAN
SCALE 3/32" = 1'-0"

KEYED NOTES

1. 12" WIDE BY 4" DEEP BASKET STYLE CABLE TRAY MOUNTED ABOVE ACCESSIBLE CEILING.
2. 18" WIDE BY 4" DEEP BASKET STYLE CABLE TRAY MOUNTED ABOVE ACCESSIBLE CEILINGS.
3. (2) 4" CONDUIT SLEEVES MOUNTED ABOVE ACCESSIBLE CEILINGS.

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY DESTROYED AT THE END OF THE PROJECT. ALL REPRODUCTIONS, COPIES OR ADAPTATIONS MADE IN VIOLATION OF THIS AGREEMENT WITHOUT THE PRIOR WRITTEN PERMISSION OF MCMILLAN PAZDAN SMITH ARCHITECTURE, OR ANY USE OF THE PROJECT NOT TO CONSTRUCT IN ACCORDANCE WITH THE PROJECT, IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE:	02/06/2026
PHASE:	PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE:	DAJ
PROJECT ARCHITECT:	BF
DRAWN BY:	Author

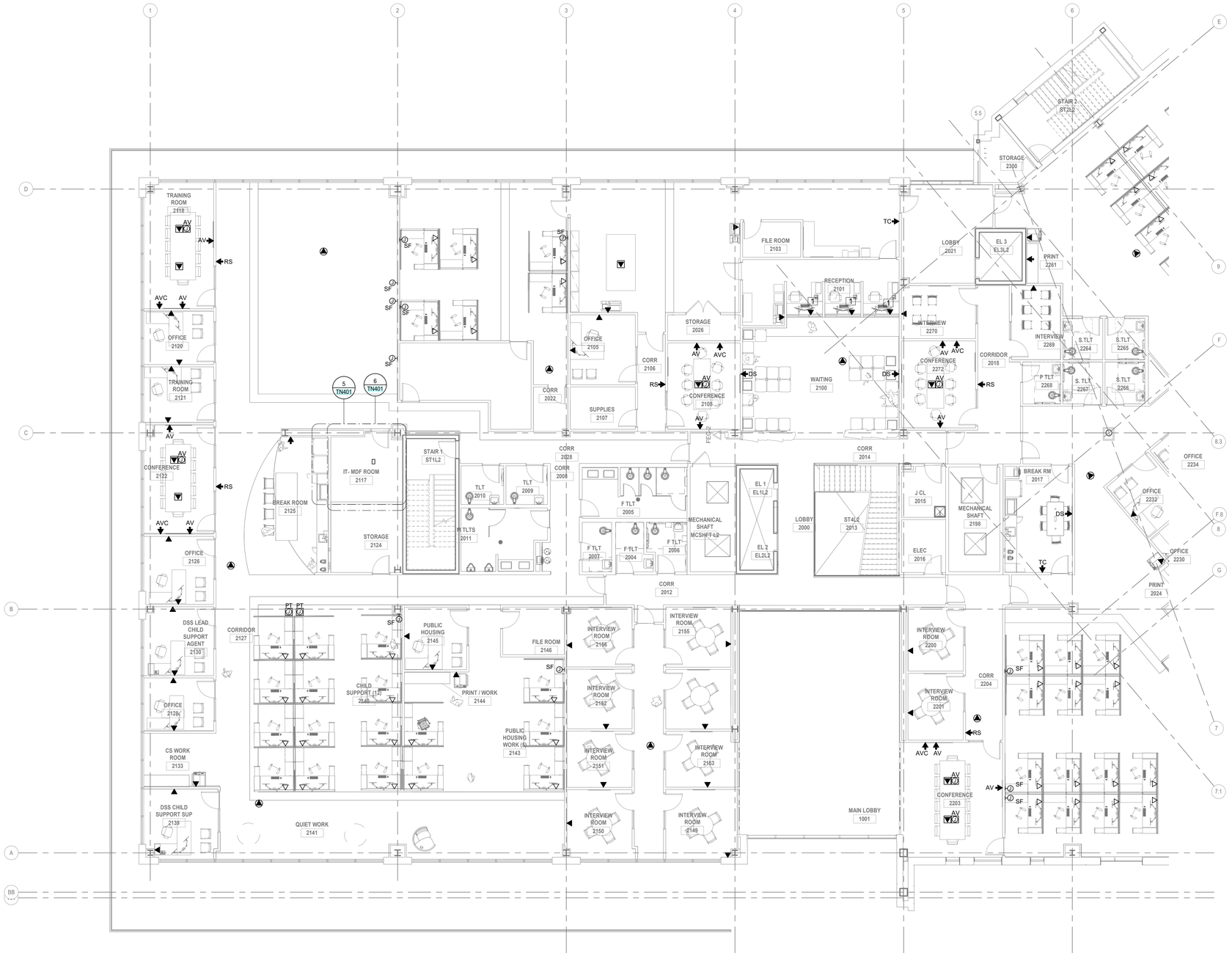
SHEET TITLE:

TELECOM - LEVEL 2 - PATHWAY PLAN

SHEET NO. TN102

PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR STORED, ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

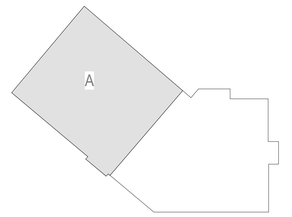


1 TELECOM - LEVEL 2 FLOOR PLAN - AREA A
SCALE 1/8" = 1'-0"

KEYED NOTES

1. DATA OUTLETS INSTALLED IN CASEWORK. COORDINATE EXACT LOCATIONS WITH CASEWORK VENDOR.

KEY PLAN



mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: DAJ
PROJECT ARCHITECT: BF
DRAWN BY: Author

SHEET TITLE:
TELECOM - LEVEL 2 FLOOR PLAN - AREA A

SHEET NO. TN102A

PROJ. NO. 024370.00

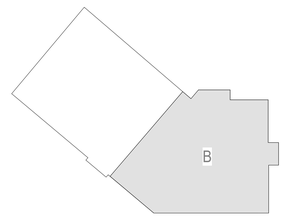
PROJECT NORTH

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED FOR ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ELSE DESTROYED UPON COMPLETION OF THE PROJECT. THEY ARE NOT TO BE LOANED, COPIED OR DISCLOSED TO THIRD PARTIES IN ANY MANNER INCONSISTENT WITH THE RIGHTS OF MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OF THIS PROJECT DOES NOT CONSTITUTE PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH ALL RIGHTS RESERVED



1 TELECOM - LEVEL 2 FLOOR PLAN - AREA B
SCALE 1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

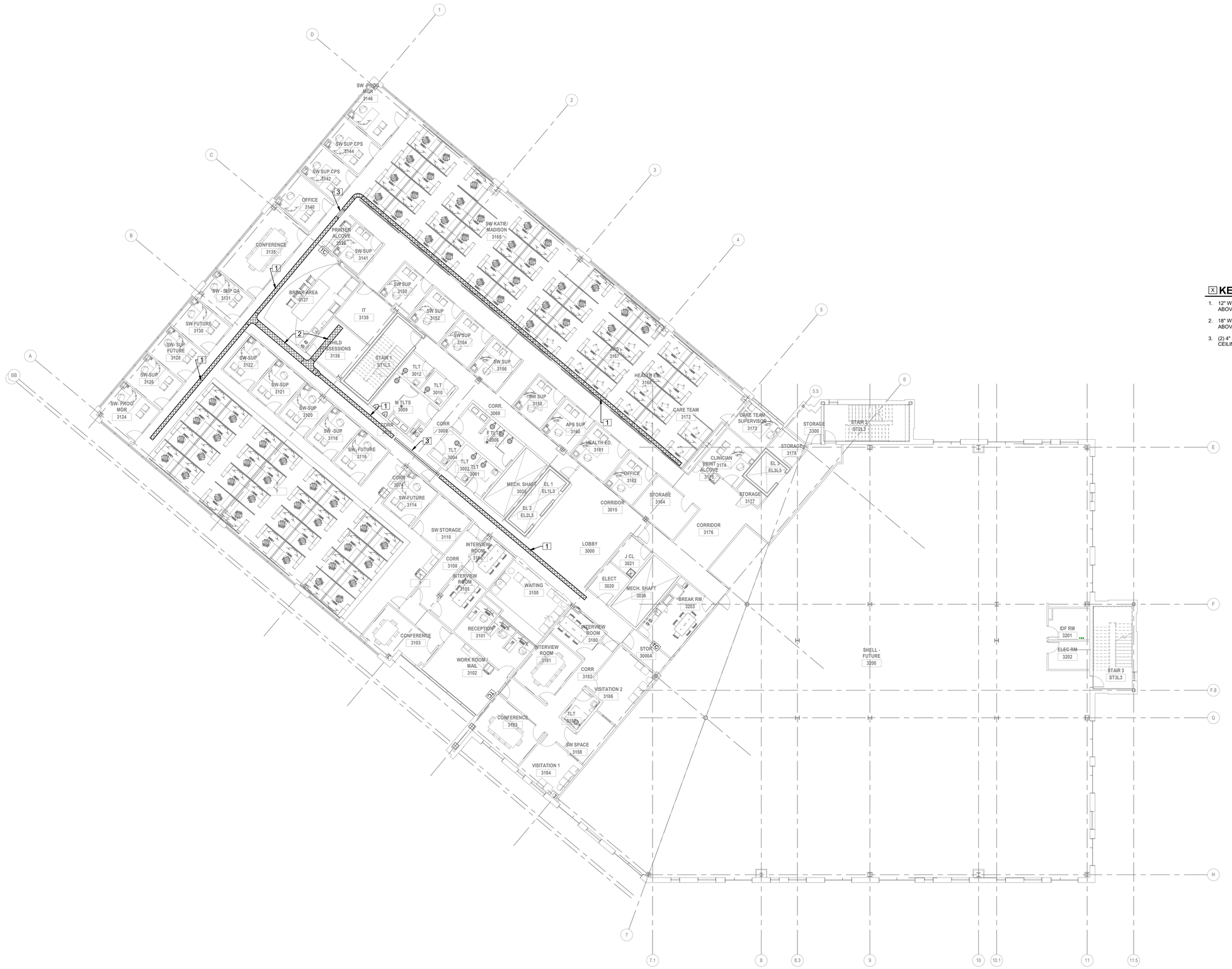
SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: DAJ
PROJECT ARCHITECT: BF
DRAWN BY: Author

SHEET TITLE:
TELECOM - LEVEL 2 FLOOR PLAN - AREA B

SHEET NO. TN102B
PROJ. NO. 024370.00



KEYED NOTES

1. 12" WIDE BY 4" DEEP BASKET STYLE CABLE TRAY MOUNTED ABOVE ACCESSIBLE CEILING.
2. 18" WIDE BY 4" DEEP BASKET STYLE CABLE TRAY MOUNTED ABOVE ACCESSIBLE CEILINGS.
3. (2) 4" CONDUIT SLEEVES MOUNTED ABOVE ACCESSIBLE CEILINGS.

1 TELECOM - LEVEL 3 - PATHWAY PLAN
SCALE 3/32" = 1'-0"

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE; THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: DAJ
PROJECT ARCHITECT: BF
DRAWN BY: Author

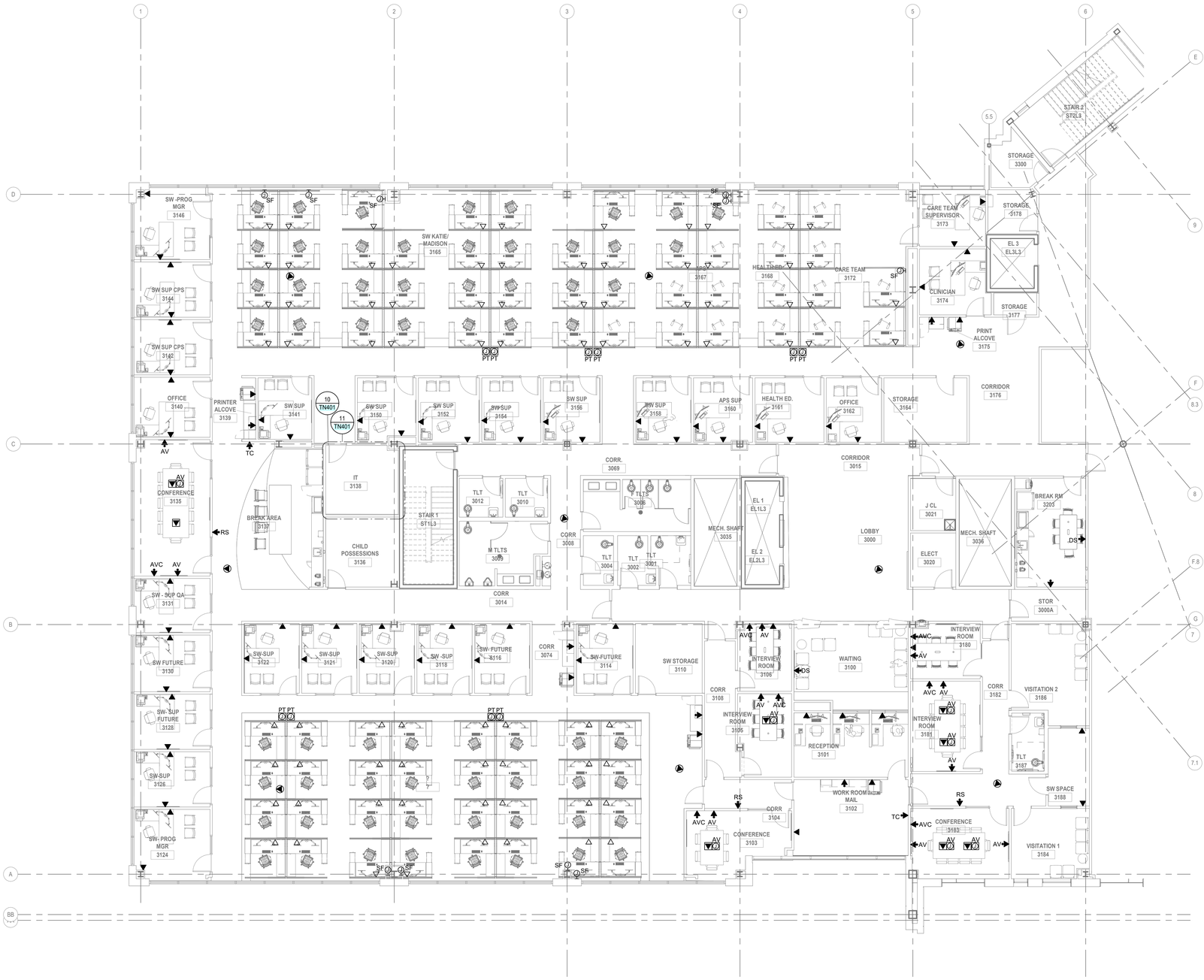
SHEET TITLE:

TELECOM - LEVEL 3 - PATHWAY PLAN

SHEET NO. TN103

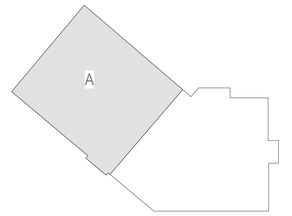
PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE ARE NOT TO BE USED ON ANY PROJECT OTHER THAN THE PROJECT FOR WHICH THEY HAVE BEEN PREPARED AND MODIFIED EXCEPT BY AGREEMENT IN WRITING BETWEEN MCMILLAN PAZDAN SMITH ARCHITECTURE AND THE OWNER OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH ARCHITECTURE ALL RIGHTS RESERVED



1 TELECOM - LEVEL 3 FLOOR PLAN - AREA A
SCALE 1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

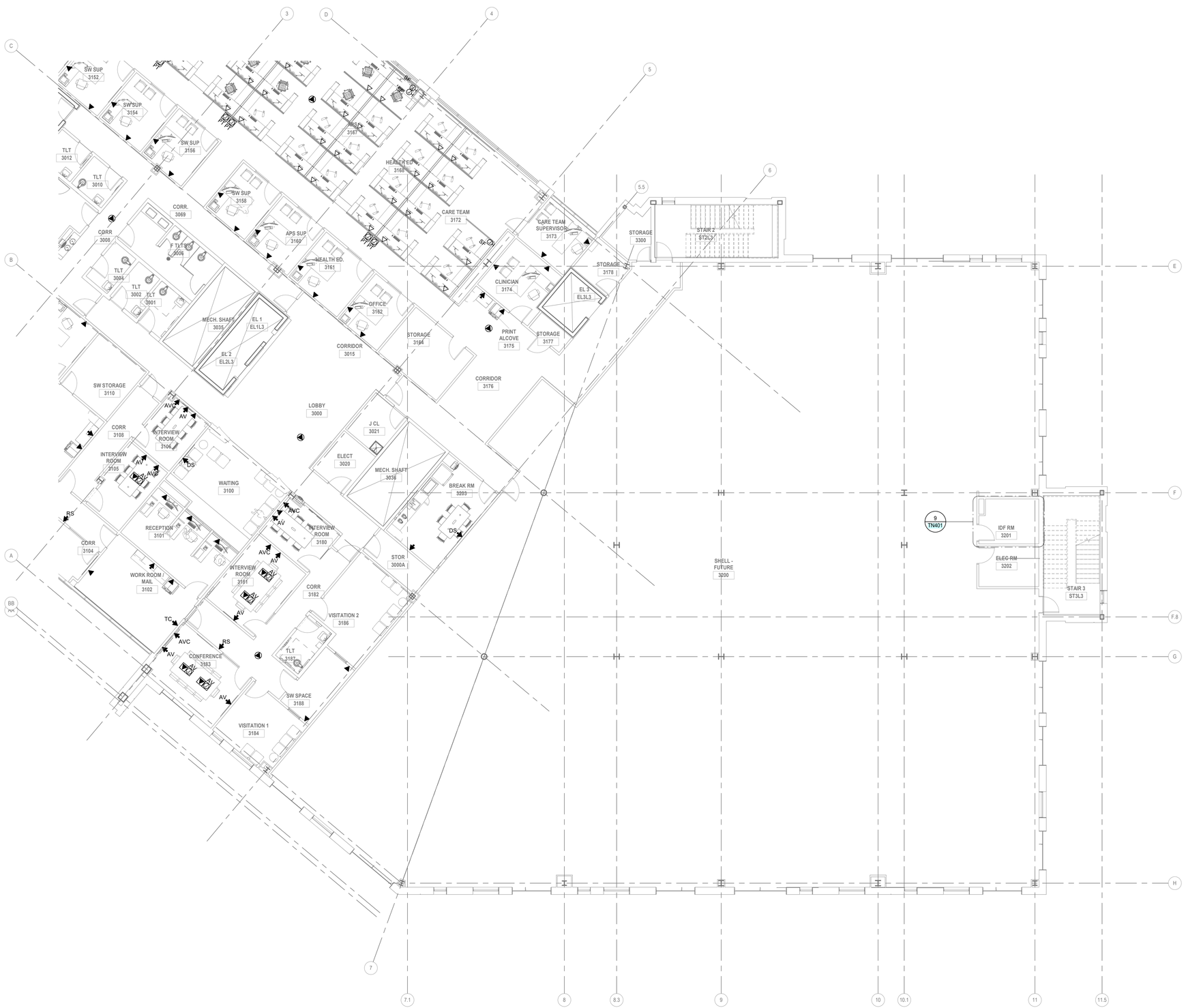
PRINCIPAL IN CHARGE: DAJ
PROJECT ARCHITECT: BF
DRAWN BY: Author

SHEET TITLE:

TELECOM - LEVEL 3 FLOOR PLAN - AREA A

SHEET NO. TN103A

PROJ. NO. 024370.00



1 TELECOM - LEVEL 3 FLOOR PLAN - AREA B
SCALE 1/8" = 1'-0"

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE; THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED FOR ANY OTHER PROJECT; WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SHOWN TO BE DESTROYED AT THE COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THIS PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH ARCHITECTURE ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

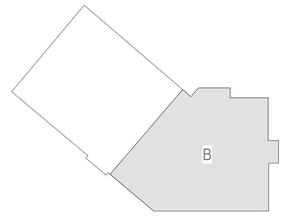
BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

KEY PLAN



PROJECT NORTH

PRINCIPAL IN CHARGE: DAJ
PROJECT ARCHITECT: BF
DRAWN BY: Author

SHEET TITLE:
TELECOM - LEVEL 3 FLOOR PLAN - AREA B

SHEET NO. TN103B

PROJ. NO. 024370.00



KEYED NOTES

1. 12" WIDE BY 4" DEEP BASKET STYLE CABLE TRAY MOUNTED ABOVE ACCESSIBLE CEILING.
2. 18" WIDE BY 4" DEEP BASKET STYLE CABLE TRAY MOUNTED ABOVE ACCESSIBLE CEILINGS.
3. (2) 4" CONDUIT SLEEVES MOUNTED ABOVE ACCESSIBLE CEILINGS.

1 TELECOM - LEVEL 4 - PATHWAY PLAN
SCALE 3/32" = 1'-0"

2026/02/06 8:36:48 AM - Archived Docs:\PROJECTS\ Brunswick County\Health & Human Services\DRAWING\ Brunswick_HHS_Technology_R21.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR FURNISHED UPON REQUEST AT THE COMPLETION OF THE PROJECT. THEY ARE NOT TO BE CHANGED OR ALTERED WITHOUT THE WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH.
ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: DAJ
PROJECT ARCHITECT: BF
DRAWN BY: Author

SHEET TITLE:

TELECOM - LEVEL 4 - PATHWAY PLAN

SHEET NO. TN104

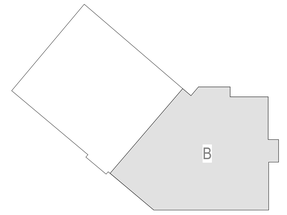
PROJ. NO. 024370.00


DSS DIRECTOR 4242
DSS BUS. OFFICER 4243
FUTURE 4246
FUTURE 4248
FUTURE 4250
FUTURE 4252
ATTORNEY 4254
DSS ATTORNEY 4256
DS
CORRIDOR 4016
RS
CONFERENCE 4244
STORAGE 4249
PARALEGAL 4251
PARALEGAL 4253
PARALEGAL 4255
OPEN OFFICE 4240
AV
AVC
DINING 4262
PANTRY 4268
EL 3 EL3L4
STAIR 2 ST2L4
BDA 4300
CORRIDOR 4110
STOR. 4127
T/N
DSS DEPUTY DIRECTOR 4236
CORRIDOR 4239
FUTURE 4263
STORAGE 4258
CORR 4265
LEGAL CONF. RM 4259
DSS DEPUTY DIRECTOR 4233
CORR 4234
BREAK ROOM 4231
IDF 4022
STORAGE 4230
STAIR 1 ST-1,4
TLT 4010
TLT 4013
M TLTS 4012
CORR 4018
CORR 4269
F TLTS 4011
TLT 4009
TLT 4006
TLT 4008
MECH SHAFT 4195
EL 1 EL1L4
EL 2 EL2L4
LOBBY 4005
CORR 4021
J CL 4002
ELECTRICAL 4001
MECH SHAFT 4197
LAUNDRY 4103
STORAGE 4105
CORR. 4007
DSS OFFICE MANAGER 4228
HEALTH OFFICE MANAGER 4227
OFFICE 4229
HHS DIRECTOR 4220
OPEN OFFICE 4219
CORR 4266
FUTURE 4260
FUTURE 4261
CORR 4264
FUTURE 4224
DSS ACCOUNT 4222
FUTURE 4211
ACCOUNT TECH II 4209
CORR 4019
DSS ACCOUNT 4202
ACCOUNT TECH II 4203
STOR 4201
CORR 4210
LARGE MEETING ROOM 4200
OHP
LARGE MEETING ROOM 4100
ADA CHANGE 4184B
CORRIDOR 4182
TLT SHOWER 4185A
CHANGE 4185B
LOUNGE AREA 4186
FUTURE 4218
FUTURE 4216
FUTURE 4214
FUTURE 4212
ACCOUNT TECH II 4208
ACCOUNT TECH II 4206
ACCOUNT TECH II 4205
ACCOUNT TECH III 4204
13 TN401
12 TN401
IDF
AV
AVC
RS
DS
OHP
CORR
TLT
TLT SHOWER
CHANGE
LOUNGE AREA
LARGE MEETING ROOM
ADA CHANGE
CORRIDOR
STOR
T/N
LOBBY
ELECTRICAL
LAUNDRY
MECH SHAFT
STAIR 1
STAIR 2
BDA
PANTRY
DINING
LEGAL CONF.
OPEN OFFICE
HEALTH OFFICE MANAGER
DSS DIRECTOR
DSS DEPUTY DIRECTOR
DSS OFFICE MANAGER
HHS DIRECTOR
OFFICE
DSS BUS. OFFICER
DSS ATTORNEY
ATTORNEY
PARALEGAL
CONFERENCE
STORAGE
IDF
BREAK ROOM
ACCOUNT TECH II
ACCOUNT TECH III
LARGE MEETING ROOM
LOUNGE AREA
TLT SHOWER
CHANGE



1 TELECOM - LEVEL 4 FLOOR PLAN - AREA B
SCALE 1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

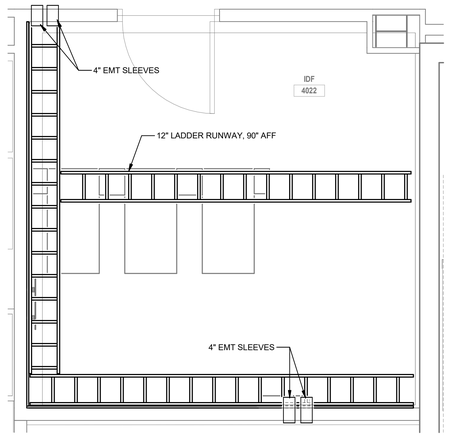
NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: DAJ
PROJECT ARCHITECT: BF
DRAWN BY: Author

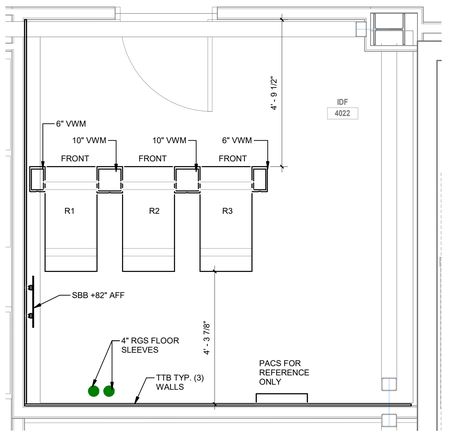
SHEET TITLE:
TELECOM - LEVEL 4 FLOOR PLAN - AREA B

SHEET NO. TN104B
PROJ. NO. 024370.00

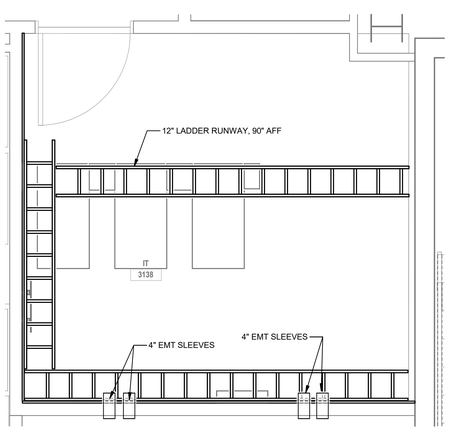
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR STORED, AT THE CONCLUSION OF THE PROJECT, TO WHICH THEY RELATE. THEY ARE NOT TO BE CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY, WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. IN THE EVENT OF UNAUTHORIZED REUSE OF THESE DOCUMENTS BY THE OWNER OR BY ANY THIRD PARTY, THE OWNER AND THIRD PARTY AGREE TO HOLD HARMLESS AND INDEMNIFY MCMILLAN PAZDAN SMITH ARCHITECTURE FOR ANY AND ALL CLAIMS, LOSSES, COSTS AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED



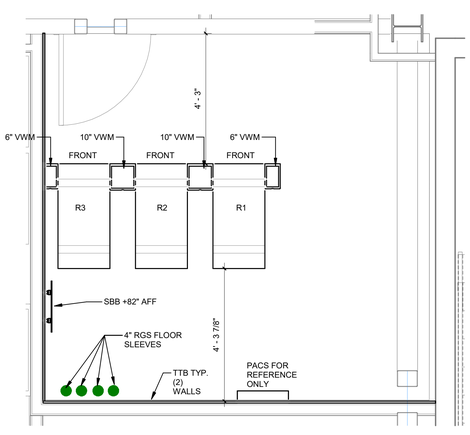
13 ENLARGED PLAN - IDF ROOM 4022 - PATHWAY PLAN
SCALE 1/2" = 1'-0"



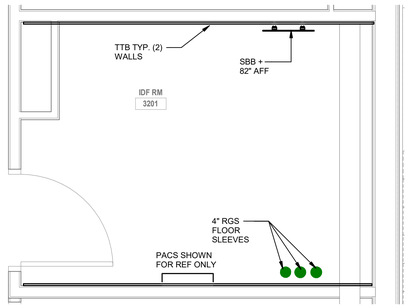
12 ENLARGED PLAN - IDF ROOM 4022 - EQUIPMENT PLAN
SCALE 1/2" = 1'-0"



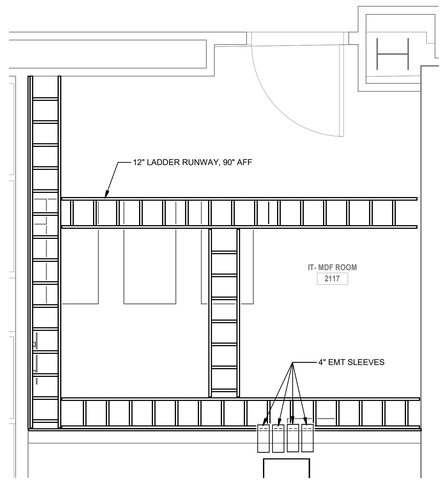
11 ENLARGED PLAN - IDF ROOM 3138 - PATHWAY PLAN
SCALE 1/2" = 1'-0"



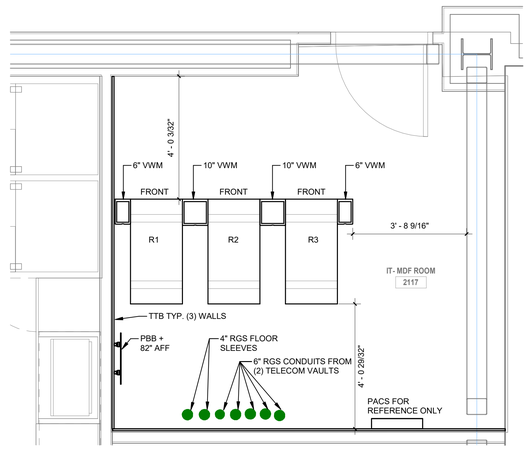
10 ENLARGED PLAN - IDF ROOM 3138 - EQUIPMENT PLAN
SCALE 1/2" = 1'-0"



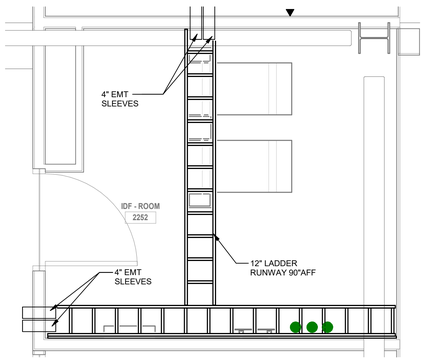
9 ENLARGED PLAN - IDF ROOM 3201 - EQUIPMENT PLAN
SCALE 1/2" = 1'-0"



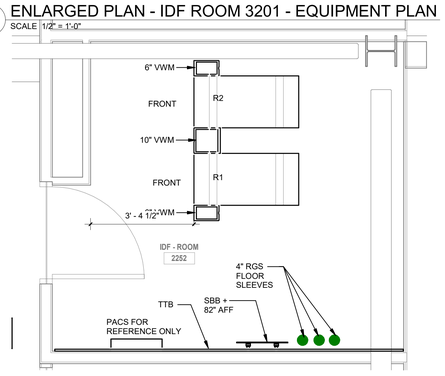
6 ENLARGED PLAN - MDF ROOM 2117 - PATHWAY PLAN
SCALE 1/2" = 1'-0"



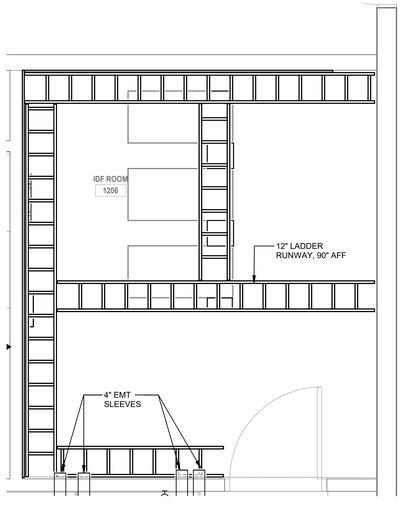
5 ENLARGED PLAN - MDF ROOM 2117 - EQUIPMENT PLAN
SCALE 1/2" = 1'-0"



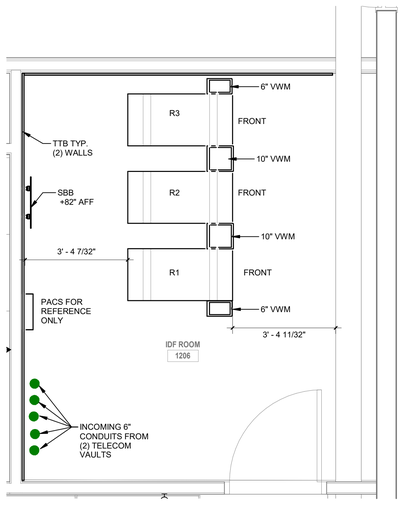
8 ENLARGED PLAN - IDF ROOM 2252 - PATHWAY PLAN
SCALE 1/2" = 1'-0"



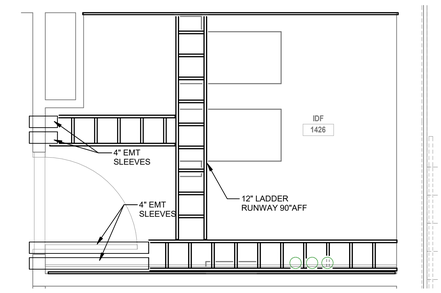
7 ENLARGED PLAN - IDF ROOM 2252 - EQUIPMENT PLAN
SCALE 1/2" = 1'-0"



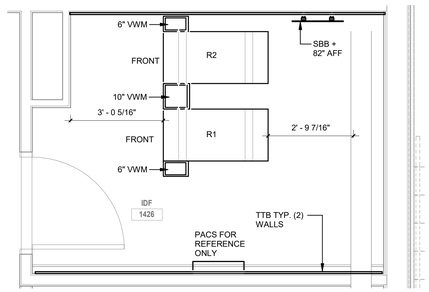
2 ENLARGED PLAN - IDF ROOM 1206 - PATHWAY PLAN
SCALE 1/2" = 1'-0"



1 ENLARGED PLAN - IDF ROOM 1206 - EQUIPMENT PLAN
SCALE 1/2" = 1'-0"



4 ENLARGED PLAN - IDF ROOM 1426 - PATHWAY PLAN
SCALE 1/2" = 1'-0"



3 ENLARGED PLAN - IDF ROOM 1426 - EQUIPMENT PLAN
SCALE 1/2" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: DAJ
PROJECT ARCHITECT: BF
DRAWN BY: Author

SHEET TITLE:

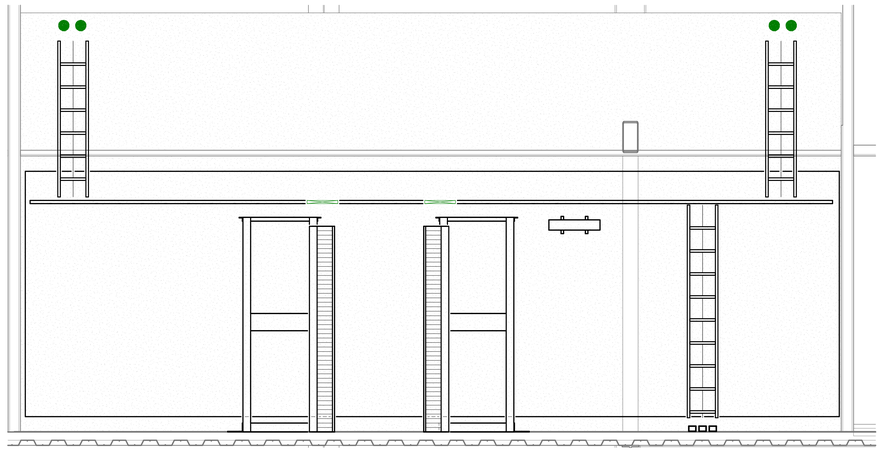
TELECOM ENLARGED PLANS

SHEET NO. TN401

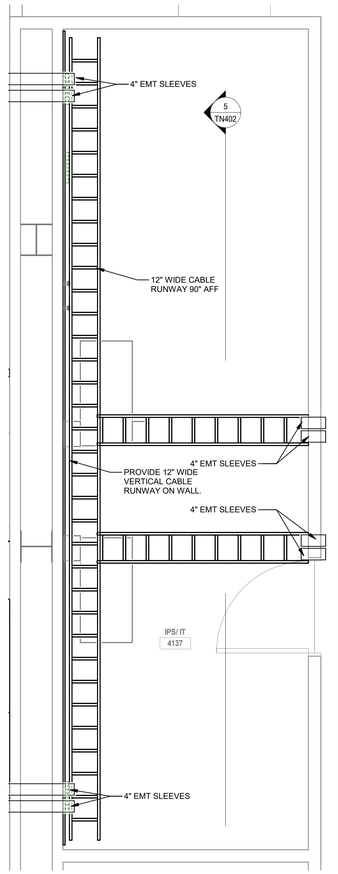
PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE INSTRUMENTS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND ARE NOT TO BE USED IN ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATELY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. © COPYRIGHT 2021 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

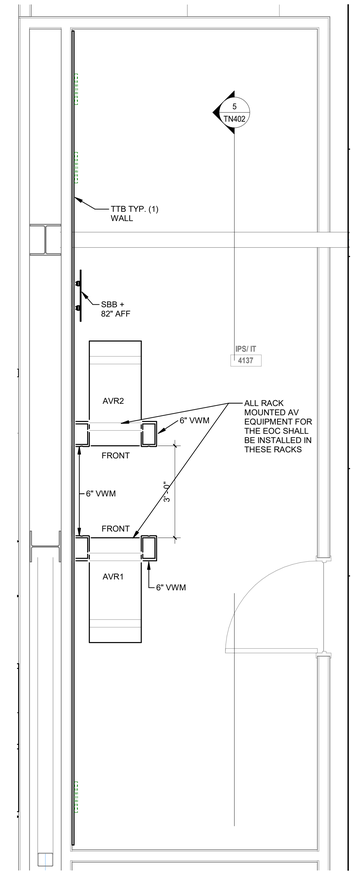
2/9/2026 8:31:27 AM Autodesk Docs://2021-03 @ Brunswick County Health & Human Services/BCHHS_Brunswick_HHS_Technology_2021.rvt



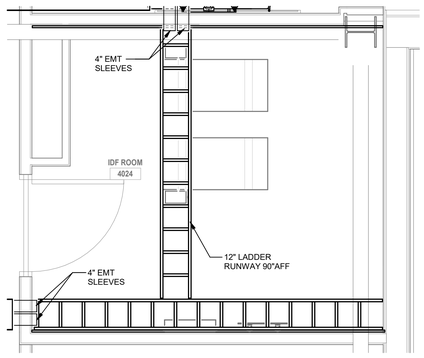
5 IPS/ IT RM - ELEVATION WEST WALL
SCALE 1/2" = 1'-0"



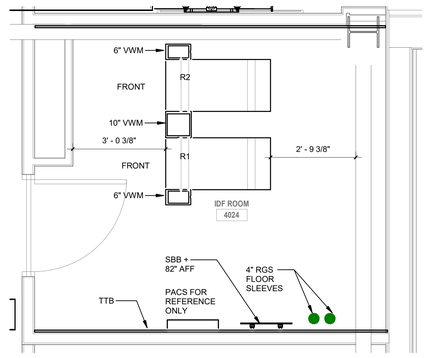
4 ENLARGED PLAN - IPS/ IT RM - PATHWAY PLAN
SCALE 1/2" = 1'-0"



3 ENLARGED PLAN - IPS/ IT RM - EQUIPMENT PLAN
SCALE 1/2" = 1'-0"



2 ENLARGED PLAN - IDF ROOM 4024 - PATHWAY PLAN
SCALE 1/2" = 1'-0"



1 ENLARGED PLAN - IDF ROOM 4024 - EQUIPMENT PLAN
SCALE 1/2" = 1'-0"

mcmillan pazdan smith
ARCHITECTURE

EDIFICE
CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: DAJ
PROJECT ARCHITECT: BF
DRAWN BY: Author

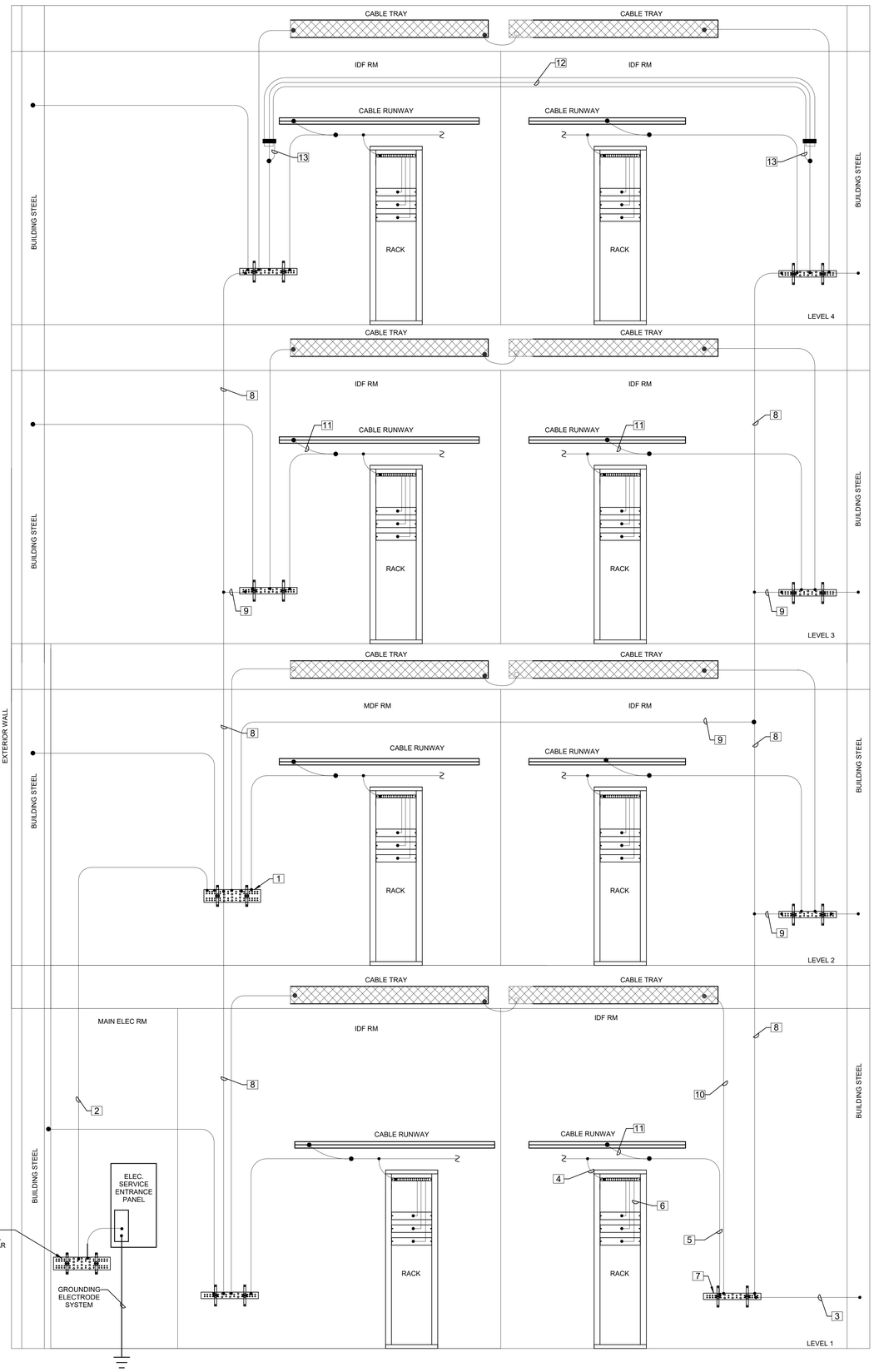
SHEET TITLE:

TELECOM ENLARGED PLANS

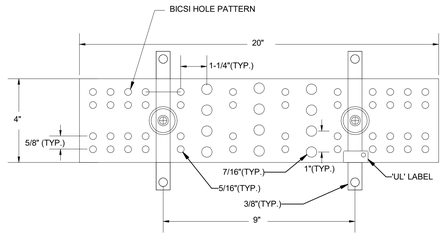
SHEET NO. TN402

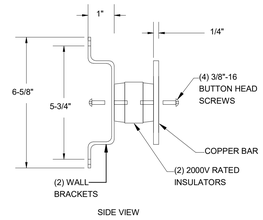
PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON A WITH RESPECT TO THIS PROJECT AND SITE ONLY AND NOT TO BE USED WITH ANY OTHER PROJECT WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ELECTRONIC RECORDED COPIES DESTROYED ON COMPLETION OF THE PROJECT. ANY REUSE OF THESE MATERIALS WITHOUT THE WRITTEN VERIFICATION OR ADAPTATION BY MCMILLAN PAZDAN SMITH ARCHITECTURE FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNER'S SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO MCMILLAN PAZDAN SMITH ARCHITECTURE. ANY OPTIONAL OR UNAUTHORIZED USE OF THE PROJECT SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THIS PROJECT IS PROHIBITED AND IS WITHOUT LIABILITY OR LEGAL EXPOSURE TO MCMILLAN PAZDAN SMITH ARCHITECTURE. ALL RIGHTS RESERVED

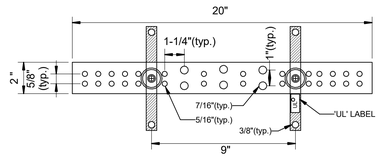


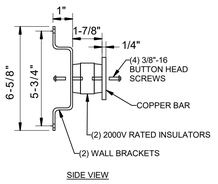
1 TELECOM BONDING AND GROUNDING RISER DIAGRAM
NTS





4 TELECOMMUNICATIONS PRIMARY BONDING BUSBAR 'PBB'
NTS





3 TELECOMMUNICATIONS SECONDARY BONDING BUSBAR 'SBB'
NTS

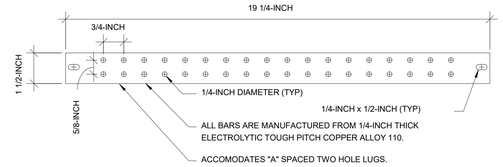
X TELECOM BONDING/GROUNDING DETAIL KEYED NOTES

1. PROVIDE PRIMARY BONDING BUSBAR, (PBB) PER THE FLOOR PLANS OR NEAR OUTSIDE PLANT CABLING AND ASSOCIATED TERMINATIONS. SEE PRIMARY BONDING BUSBAR DETAIL FOR ADDITIONAL INFORMATION.
2. PROVIDE GREEN JACKET, THHN TYPE CONDUCTOR FOR TELECOMMUNICATIONS BONDING CONDUCTOR (TBC) WITH 2-HOLE LONG BARREL IRREVERSIBLE CRIMP CONNECTORS ON BOTH ENDS, FROM THE PRIMARY BONDING BUSBAR (PBB) TO THE MAIN ELECTRICAL GROUND BAR OR ELECTRICAL SERVICE PANEL GROUND BAR. THE TBC SHALL BE BONDED TO THE CONDUIT IT IS INSTALLED IN. THE TBC SHALL BE A MINIMUM #4/0 AWG OR MATCH THE THE TELECOM BONDING BACKBONE (TBB) SIZE INSTALLED IN THIS PROJECT.
3. PROVIDE #6 AWG GREEN JACKET, THHN TYPE COPPER BONDING CONDUCTOR WITH 2-HOLE LONG BARREL IRREVERSIBLE CRIMP CONNECTORS ON BOTH ENDS, FROM THE PRIMARY BONDING BUSBAR (PBB) OR SECONDARY BONDING BUSBAR (SBB) TO THE NEAREST STRUCTURAL STEEL. TYPICAL IN MDF AND ALL IDF ROOMS.
4. PROVIDE #6 AWG GREEN JACKET, THHN TYPE COPPER EQUIPMENT BONDING CONDUTOR (EBC) WITH 2-HOLE LONG BARREL IRREVERSIBLE CRIMP CONNECTOR ON ONE END AND A IRREVERSIBLE CABLE CRIMP TYPE CONNECTION ON THE OTHER END TO BOND THE RACK TO THE TEBC. TYPICAL PER RACK IN MDF AND EACH IDF ROOM.
5. PROVIDE #6 AWG, GREEN JACKET, THHN TYPE COPPER TELECOM EQUIPMENT BONDING CONDUCTOR (TEBC). USE 2-HOLE LONG BARREL IRREVERSIBLE CRIMP CONNECTOR ON BOTH ENDS. CONDUCTOR SHALL BE INSTALLED ALONG AND SECURED TO THE CABLE RUNWAY. TYPICAL IN MDF AND EACH IDF ROOM.
6. PROVIDE #12 AWG GREEN JACKET, THHN TYPE EQUIPMENT BONDING CONDUCTOR WITH 2-HOLE LONG BARREL IRREVERSIBLE CRIMP CONNECTOR FOR THE RACK BONDING BUSBAR (RBB) AND TERMINATE OPPOSITE END TO GROUNDING STUD AS REQUIRED PER THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. MAINTAIN MINIMUM BEND RADIUS ON ALL CONDUCTORS. TYPICAL IN ALL RACKS WITH EQUIPMENT.
7. PROVIDE SECONDARY BONDING BUSBAR, (SBB) PER THE FLOOR PLANS. SEE SECONDARY BONDING BUSBAR DETAIL FOR ADDITIONAL INFORMATION. TYPICAL IN EACH IDF ROOM.
8. PROVIDE BARE, THHN TYPE COPPER TELECOM BONDING BACKBONE (TBB) CONDUCTOR. USE 2-HOLE LONG BARREL IRREVERSIBLE CRIMP CONNECTORS ON BOTH ENDS OF CONDUCTOR. THE CONDUCTOR SHALL BE CONTINUOUS FROM THE PBB TO THE LAST SBB IN THE RISER. SIZE CONDUCTOR IAW TIA-607-D TBB CHART ON THIS SHEET.
9. PROVIDE BARE, THHN TYPE COPPER SECONDARY BONDING CONDUCTOR (SBC) FROM THE TBB TO THE SBB. USE 2-HOLE LONG BARREL IRREVERSIBLE CRIMP CONNECTOR FOR THE SBB AND CABLE CRIMP OR EXOTHERMIC WELD CONDUCTOR TO THE TBB. THE CONDUCTOR SHALL BE THE SAME SIZE AS THE TBB.
10. PROVIDE #6 AWG GREEN JACKET, THHN TYPE COPPER BONDING CONDUTOR WITH 2-HOLE LONG BARREL IRREVERSIBLE CRIMP CONNECTOR ON ONE END AND A GROUNDING CLAMP CONNECTION ON THE OTHER END TO BOND THE CABLE TRAY TO THE PBB OR SBB. TYPICAL FOR MDF AND ALL IDF ROOMS.
11. PROVIDE #6 AWG GREEN JACKET, THHN TYPE COPPER BONDING CONDUTOR WITH 2-HOLE LONG BARREL IRREVERSIBLE CRIMP CONNECTOR ON ONE END AND A IRREVERSIBLE CABLE CRIMP TYPE CONNECTION ON THE OTHER END TO BOND THE CABLE RUNWAY TO THE TEBC. PROVIDE #6 AWG GREEN JACKET, THHN TYPE COPPER BONDING JUMPERS BETWEEN EACH FITTING AND STRAIGHT SECTION OF THE CABLE RUNWAY. TYPICAL FOR MDF AND ALL IDF ROOMS.
12. PROVIDE BARE, THHN TYPE COPPER BACKBONE BONDING CONDUCTOR (BBC) IN EMT CONDUIT, SIZE CONDUIT BASED ON CONDUCTOR SIZE. USE 2-HOLE LONG BARREL IRREVERSIBLE CRIMP CONNECTORS ON BOTH ENDS OF CONDUCTOR. THE CONDUCTOR SHALL BE CONTINUOUS BETWEEN THE LAST SBB'S IN THE RISER. SIZE CONDUCTOR IAW TIA-607-D TBB CHART ON THIS SHEET.
13. BOND CONDUIT TO BBC WITH #6 AWG GREEN JACKET, THHN TYPE COPPER BONDING CONDUCTOR, PROVIDE CONDUIT BONDING CLAMP AND IRREVERSIBLE CABLE CRIMP CONNECTOR.

TELECOM BACKBONE BONDING (TBB) CONDUCTOR SIZE VS LENGTH TABLE

TBB/GE LINEAR LENGTH (FT)	TBB/GE SIZE (AWG)
13	6
14-20	4
21-26	3
27-33	2
34-41	1
42-52	1/0
53-66	2/0
67-84	3/0
85-105	4/0
106-125	250 kcmil
126-150	300 kcmil
151-175	350 kcmil
176-250	500 kcmil
251-300	600 kcmil
GREATER THAN 301	750 kcmil

NOTES:
A. TBB SIZING TABLE PER LATEST EDITION OF TIA-607-D.
B. THE MINIMUM TBB CONDUCTOR SIZE SHALL BE A NO. 6 AMERICAN WIRE GAUGE (AWG)



2 TELECOMMUNICATIONS RACK BONDING BUSBAR 'RBB'
NTS

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

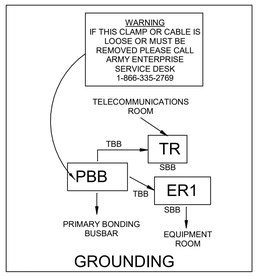
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: DAJ
PROJECT ARCHITECT: BF
DRAWN BY: Author

SHEET TITLE:
TELECOM - DETAILS

SHEET NO. TN501
PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED FOR ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY, ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

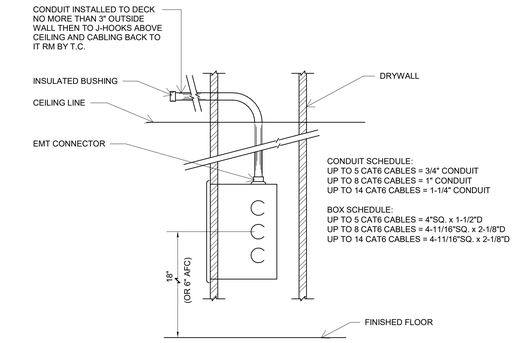


NOTES:

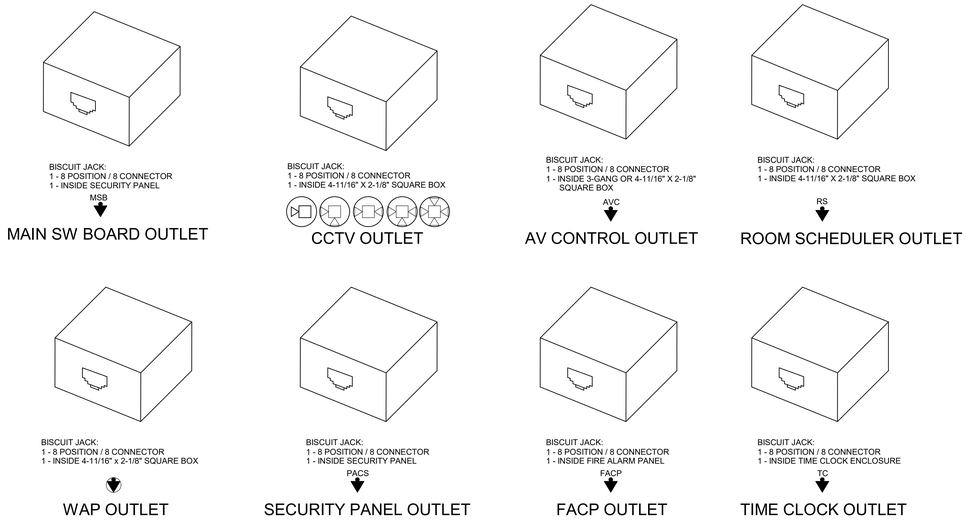
A. CABLE LABELS - TIA STANDARD CABLES SHALL BE LABELED WITHIN 12 INCHES OF END OF THE CABLE.

B. LABEL MEDIA SHALL BE PRESSURE SENSITIVE & CONSIST OF TWO PARTS; A LABEL FACE AND CLEAR ADHESIVE MATERIAL. EACH LABEL MUST CONTAIN A WHITE PRINTABLE AREA & A CLEAR SELF LAMINATING AREA THAT WILL WRAP AROUND THE CABLE &LAMINATE THE WHITE PRINTABLE AREA. EACH LABEL MUST BE MACHINE PRINTED & HAVE BLACK PRINT ON THE WHITE LABEL MATERIAL. THE CABLE IDENTIFIER SHOULD APPEAR TWO (2) TIMES ON THE LABEL FOR INCREASED VISIBILITY.

7 CABLE LABELING DETAIL
NTS

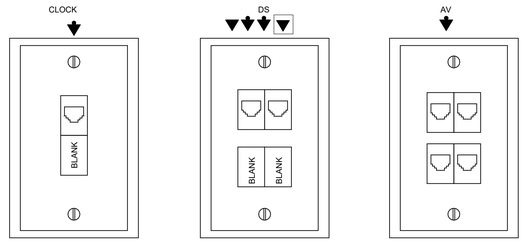


6 TYPICAL TECHNOLOGY OUTLET ROUGH-IN
NTS



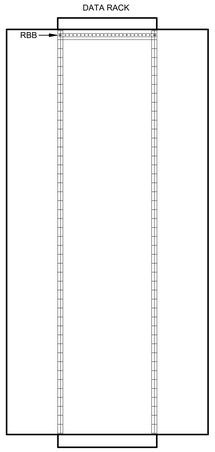
FACEPLATE NOTES:
A. FACEPLATES, JACKS AND CABLING TO BE FURNISHED AND INSTALLED BY OWNER

5 TECHNOLOGY OUTLET - DETAIL
NTS



FACEPLATE NOTES:
A. FACEPLATES, JACKS AND CABLING TO BE FURNISHED AND INSTALLED BY OWNER

4 WORK AREA OUTLET (WAO) PLATE - DETAIL
NTS



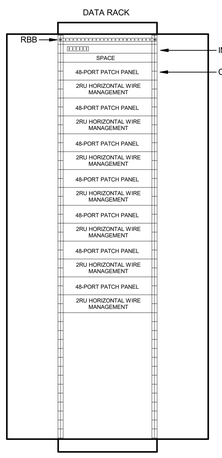
GENERAL NOTES:

A. PROVIDE 1RU RACK BONDING BUSBAR.

B. PROVIDE 2-POST RACK WITH FRONT/REAR VERTICAL WIRE MANAGEMENT ON BOTH SIDES.

C. THIS RACK IS A SPARE.

3 TYPICAL R3 - RACK ELEVATION
NTS



GENERAL NOTES:

A. PROVIDE 1RU RACK BONDING BUSBAR.

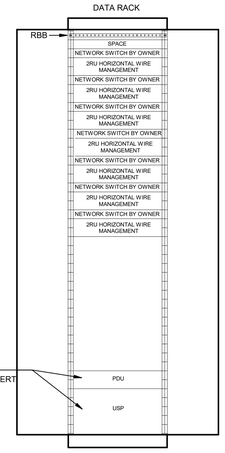
B. PROVIDE 2-POST RACK WITH FRONT/REAR VERTICAL WIRE MANAGEMENT ON BOTH SIDES.

C. PROVIDE (1) 6-PORT PRETERMINATED DUPLEX LC FIBER ADAPTER CASSETTE AND FUSION SPLICE 12-STRAND SM BACKBONE CABLE TO CASSETTE PIGTAILS.

D. COORDINATE EXACT LOCATION OF HORIZONTAL WIRE MANAGEMENT WITH OWNER.

E. E.C. TO PROVIDE NEMA L6-20 RECEPTACLE AT THE RACK FOR UPS.

2 TYPICAL R2 - RACK ELEVATION
NTS



GENERAL NOTES:

A. PROVIDE 1RU RACK BONDING BUSBAR.

B. PROVIDE 2-POST RACK WITH FRONT/REAR VERTICAL WIRE MANAGEMENT ON BOTH SIDES.

C. COORDINATE EXACT LOCATION OF HORIZONTAL WIRE MANAGEMENT WITH OWNER.

D. E.C. TO PROVIDE NEMA L6-20 RECEPTACLE AT THE RACK FOR UPS.

1 TYPICAL R1 - RACK ELEVATION
NTS

mcmillan pazdan smith
ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: DAJ
PROJECT ARCHITECT: BF
DRAWN BY: Author

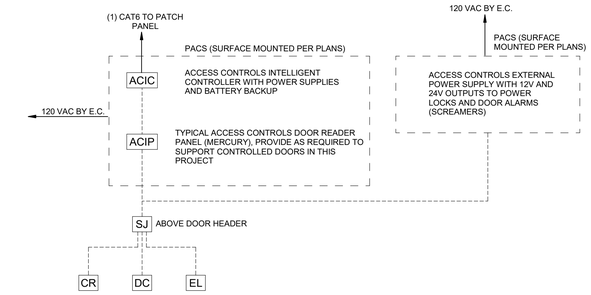
SHEET TITLE:
TELECOM - DETAILS

SHEET NO. TN502
PROJ. NO. 024370.00

2/6/2026 8:39:13 AM Autodesk Docs://24370.00 Brunswick County Health & Human Services/24370.00_Brunswick County Health & Human Services_BIM_Technology_2024.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MUTERIALS ARE TO BE USED ON ANY PROJECT WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE, UPON COMPLETION OF THE PROJECT. THEY ARE NOT TO BE CHANGED OR ALTERED WITHOUT THE WRITTEN CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH.
ALL RIGHTS RESERVED

ACCESS CONTROL SYSTEM NOTES:

1. LABEL DOOR INTERFACE PANELS AND PROGRAM SOFTWARE TO INCORPORATE DEVICES WITH OWNER'S INPUT AS REQUIRED.
2. COMMISSION SYSTEM.
3. CONFIRM MANUFACTURER SPECIFIC WIRING REQUIREMENTS.
4. PROVIDE ALL REQUIRED WALL MOUNTED 24VDC AND 12VDC POWER SUPPLIES WITH BATTERY BACKUP AND READER BOARDS IN MDF ROOM FOR A FULLY FUNCTIONING SYSTEM.
5. INPUTS:
   - 5.1. CARD READER
   - 5.2. DOOR CONTACTS
   - 5.3. INTEGRAL REX EXIT DEVICE IN DOOR HARDWARE
6. OUTPUTS:
   - 6.1. UNIQUE ALARM AT THE PACS PANEL
   - 6.2. ELECTRIC LOCK
   - 6.3. DOOR FORCED
   - 6.4. DOOR HELD
7. ALL DEVICES TO BE ROUTED BACK TO NETWORKED PACS CABINET(S) IN THE TELECOM ROOMS.
8. SHALL HAVE BRIVO SOFTWARE WITH MERCURY READER BOARDS.
9. UNLESS OTHERWISE DISALLOWED BY THE LOCAL AHJ, WIRE ALL DOORS SUCH THAT THEY ARE FAIL SECURE FROM THE INGRESS SIDE IN THE EVENT OF A POWER OUTAGE WITH THE ABILITY FOR FREE EGRESS.
10. UPON A POSITIVE CARD READER CREDENTIAL OR EXITING A DOOR, LOCAL DOOR ALARM SHALL BE SHUNTED THROUGH A TIME DELAY DEVICE.
11. SYSTEM SHALL BE BRIVO/MERCURY AND INSTALLED BY A LICENSED AND CERTIFIED BRIVO/MERCURY INSTALLER.
12. EXTERIOR CARD READERS ON BUILDING SHALL BE PROGRAMMED TO DISARM THE IDS SYSTEM.



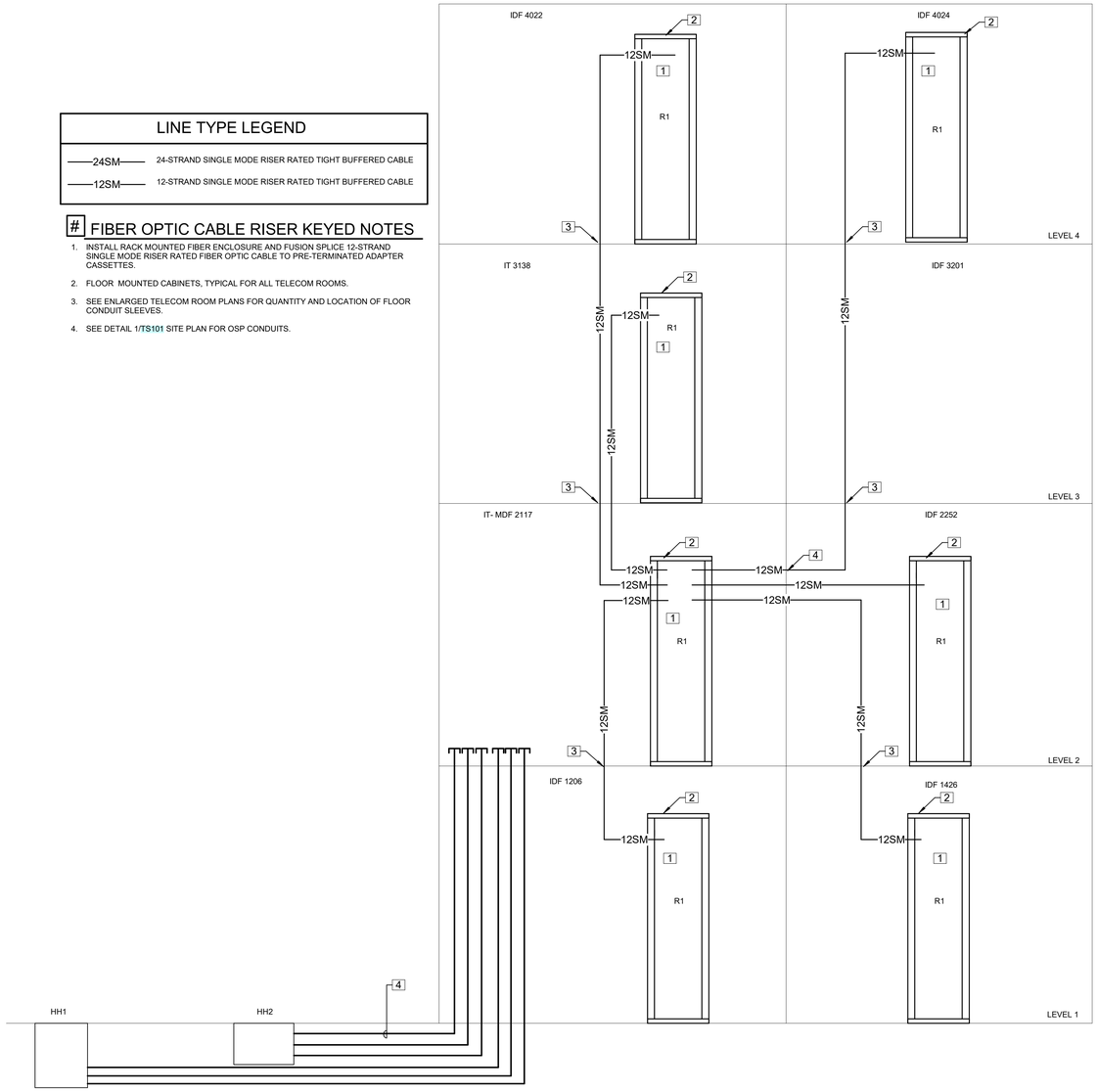
2 ACS RISER
NTS

LINE TYPE LEGEND

——24SM——	24-STRAND SINGLE MODE RISER RATED TIGHT BUFFERED CABLE
——12SM——	12-STRAND SINGLE MODE RISER RATED TIGHT BUFFERED CABLE

FIBER OPTIC CABLE RISER KEYED NOTES

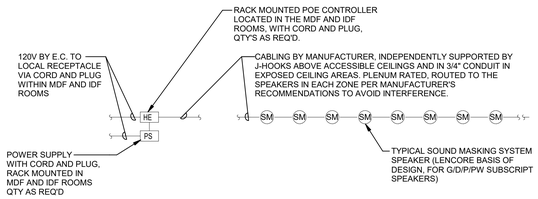
1. INSTALL RACK MOUNTED FIBER ENCLOSURE AND FUSION SPLICE 12-STRAND SINGLE MODE RISER RATED FIBER OPTIC CABLE TO PRE-TERMINATED ADAPTER CASSETTES.
2. FLOOR MOUNTED CABINETS, TYPICAL FOR ALL TELECOM ROOMS.
3. SEE ENLARGED TELECOM ROOM PLANS FOR QUANTITY AND LOCATION OF FLOOR CONDUIT SLEEVES.
4. SEE DETAIL 1/**TS101** SITE PLAN FOR OSP CONDUITS.



1 FIBER OPTIC CABLE RISER DIAGRAM
NTS

SOUND MASKING NOTES:

A. SOUND MASKING CONTRACTOR SHALL COORDINATE WITH ALL TRADES IN THE CEILING AS THE ACTUAL INSTALLATION MAY VARY FROM THE DESIGN.
B. PENDANT MOUNTED SPEAKERS SHALL MATCH THE SAME HEIGHT AS ADJACENT LIGHT FIXTURES, EXIT SIGNS, OCCUPANCY SENSORS, ETC.
C. PROVIDE DEDICATED SUPPORTS TO STRUCTURE FOR ALL PENDANT SPEAKERS.
D. REFER TO THE SOUND MASKING RISER DIAGRAM AND SPECIFICATION SECTION 27 15 19 FOR FURTHER INFORMATION.
E. LENCORE IS THE BASIS OF DESIGN, OR EQUAL BY ATLAS IED OR BIAMP.
F. COMMISSION SYSTEM BY MANUFACTURER'S AUTHORIZED REPRESENTATIVE.
G. ARCHITECT TO SELECT SPEAKER AND SUPPORT COLORS.
H. PROVIDE SOUND MASKING AT UNIFORM 45dB LEVEL.
I. DURING A FIRE ALARM SYSTEM ANNOUNCEMENT, PROVIDE NECESSARY INTEGRATION TO AUTO MUTE THE MASKING LEVEL.
J. NO MORE THAN 8 SPEAKERS PER CHANNEL.



3 SOUND MASKING RISER
NTS

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

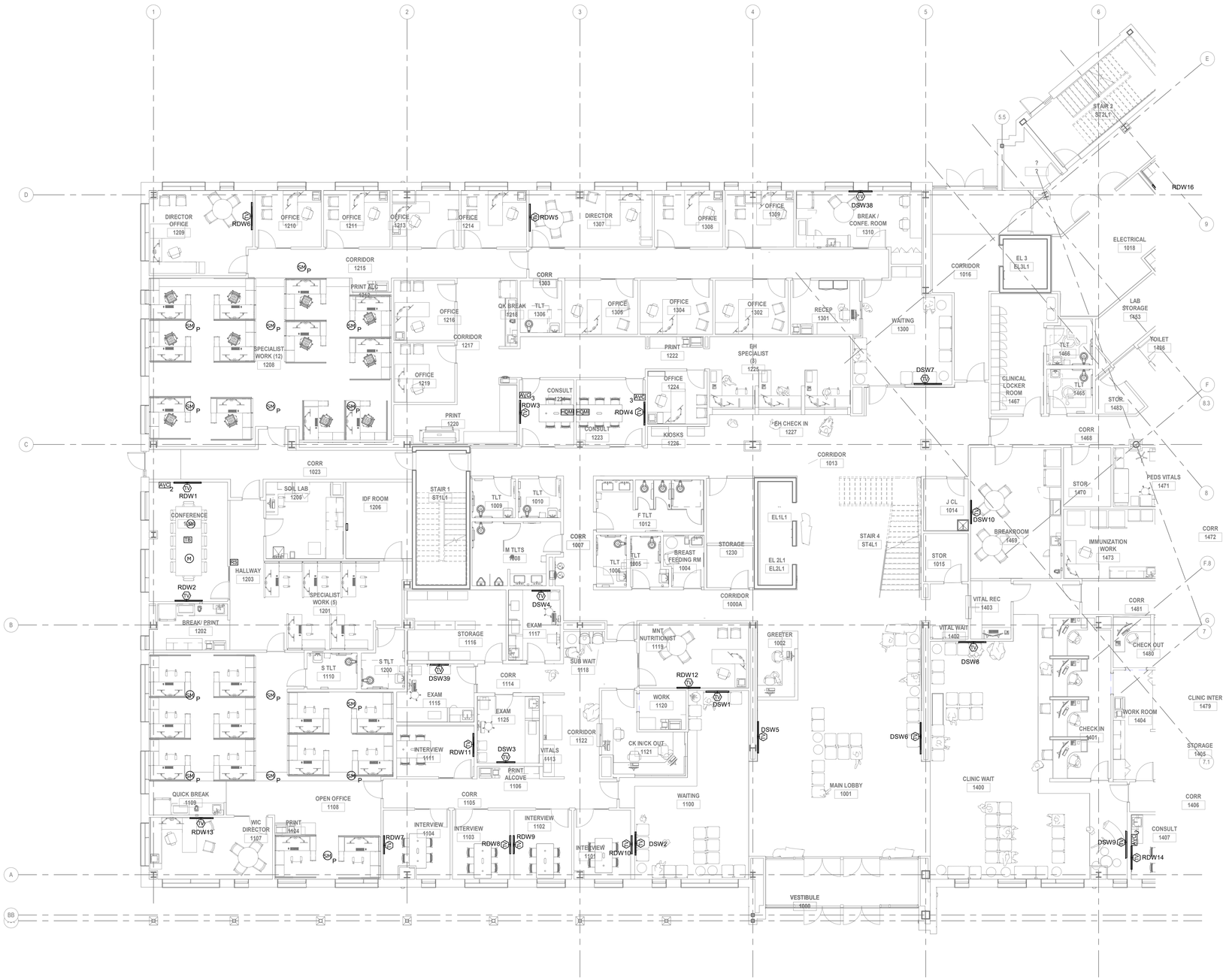
SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: DAJ
PROJECT ARCHITECT: BF
DRAWN BY: Author

SHEET TITLE:
TELECOM - RISERS

SHEET NO. TN601
PROJ. NO. 024370.00



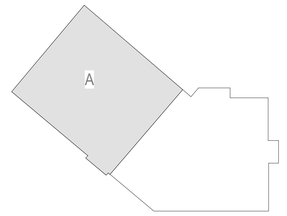
1 AUDIO VISUAL - LEVEL 1 FLOOR PLAN - AREA A

SCALE 1/8" = 1'-0"

KEYED NOTES

1. TYPICAL AV EQUIPMENT LAYOUT FOR SMALL OFFICES.
2. TYPICAL AV EQUIPMENT LAYOUT FOR CONSULT ROOMS.
3.
4. TYPICAL AV EQUIPMENT LAYOUT FOR LARGE OFFICES.
5. TYPICAL AV EQUIPMENT LAYOUT FOR CONFERENCE ROOMS.

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: DAJ
PROJECT ARCHITECT: BF
DRAWN BY: Author

SHEET TITLE:

AUDIO VISUAL - LEVEL 1 FLOOR PLAN - A

SHEET NO. TA101A

PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED FOR ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY, ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED



1 AUDIO VISUAL - LEVEL 1 FLOOR PLAN - AREA B
SCALE 1/8" = 1'-0"

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SATISFACTORY EVIDENCE OF THEIR DESTRUCTION IS TO BE FURNISHED TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

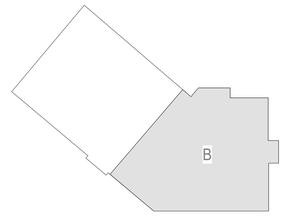
BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

KEY PLAN



PROJECT NORTH

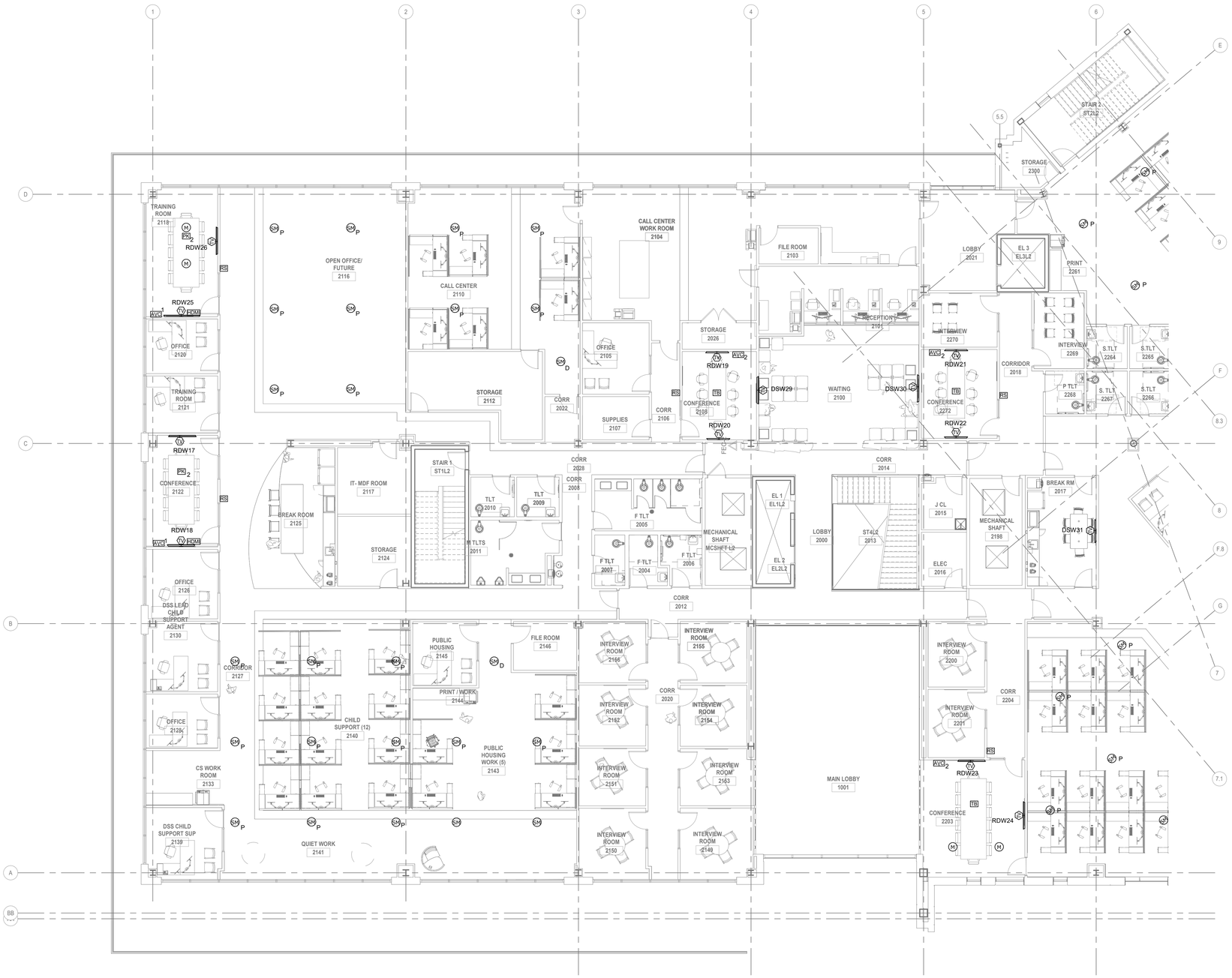
PRINCIPAL IN CHARGE: DAJ
PROJECT ARCHITECT: BF
DRAWN BY: Author

SHEET TITLE:
AUDIO VISUAL - LEVEL 1 FLOOR PLAN - B

SHEET NO. TA101B

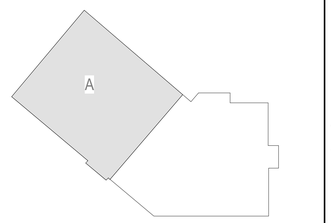
PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ARE NOT TO BE USED ON ANY OTHER PROJECT; WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALL COPIES DESTROYED ON REQUEST AT THE COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE OR CONSULTANTS' COPYRIGHT OR OTHER RESERVED RIGHTS. © COPYRIGHT 2021 MCMILLAN PAZDAN SMITH ARCHITECTURE
ALL RIGHTS RESERVED



1 AUDIO VISUAL - LEVEL 2 FLOOR PLAN - AREA A
SCALE 1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: DAJ
PROJECT ARCHITECT: BF
DRAWN BY: Author

SHEET TITLE:
AUDIO VISUAL - LEVEL 2 FLOOR PLAN - A

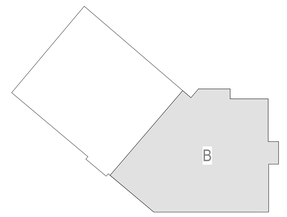
SHEET NO. TA102A

PROJ. NO. 024370.00



1 AUDIO VISUAL - LEVEL 2 FLOOR PLAN - AREA B
SCALE 1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

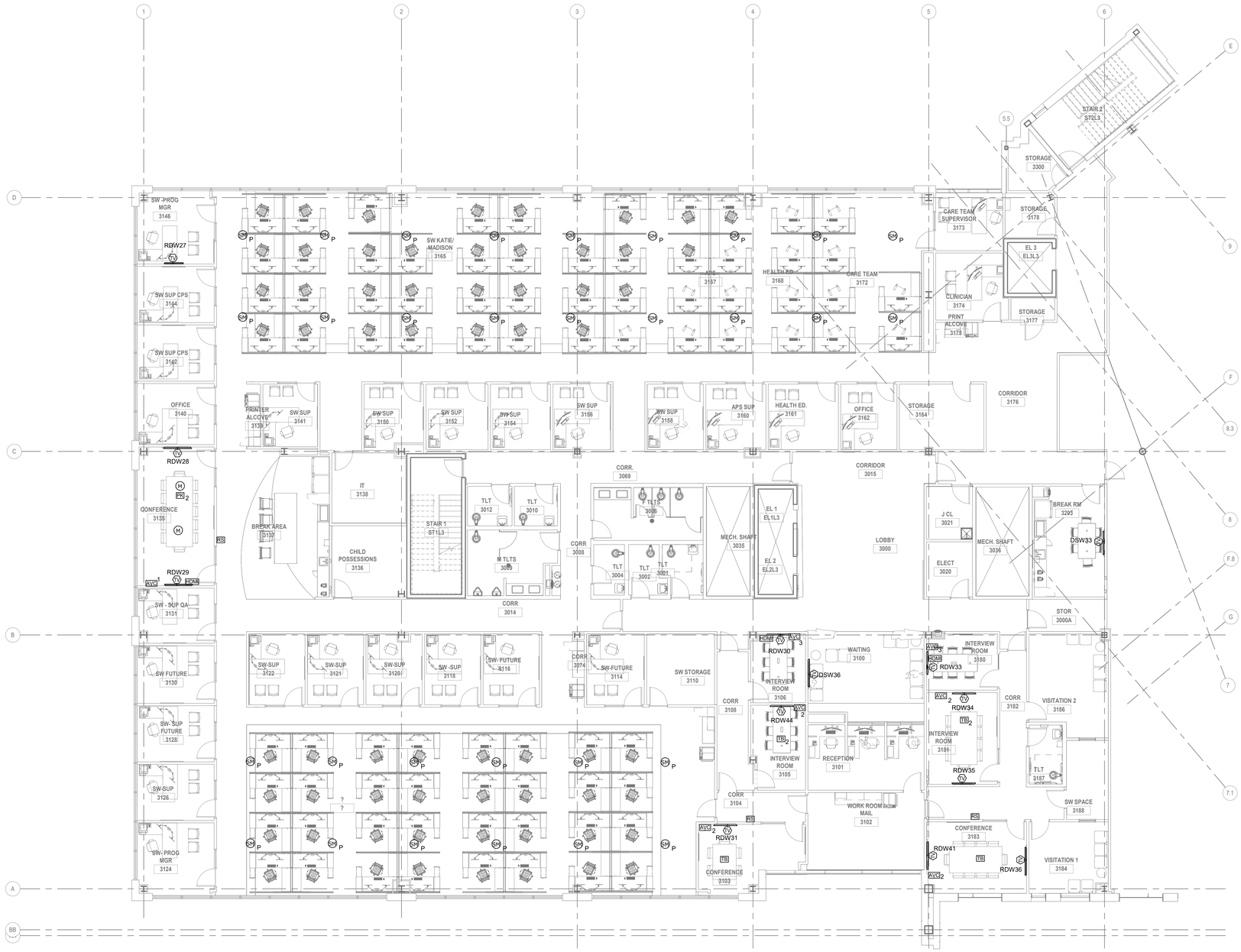
PRINCIPAL IN CHARGE: DAJ
PROJECT ARCHITECT: BF
DRAWN BY: Author

SHEET TITLE:

AUDIO VISUAL - LEVEL 2 FLOOR PLAN - B

SHEET NO. TA102B

PROJ. NO. 024370.00



1 AUDIO VISUAL - LEVEL 3 FLOOR PLAN - AREA A
SCALE 1/8" = 1'-0"

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. ARE NOT TO BE USED IN ANY WAY WITH RESPECT TO THIS PROJECT AND ARE NOT TO BE USED IN ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR SIMILAR PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

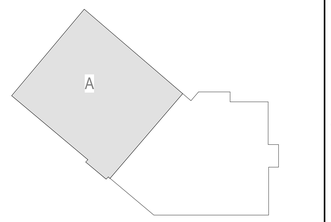
BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

KEY PLAN



PROJECT NORTH

PRINCIPAL IN CHARGE: DAJ
PROJECT ARCHITECT: BF
DRAWN BY: Author

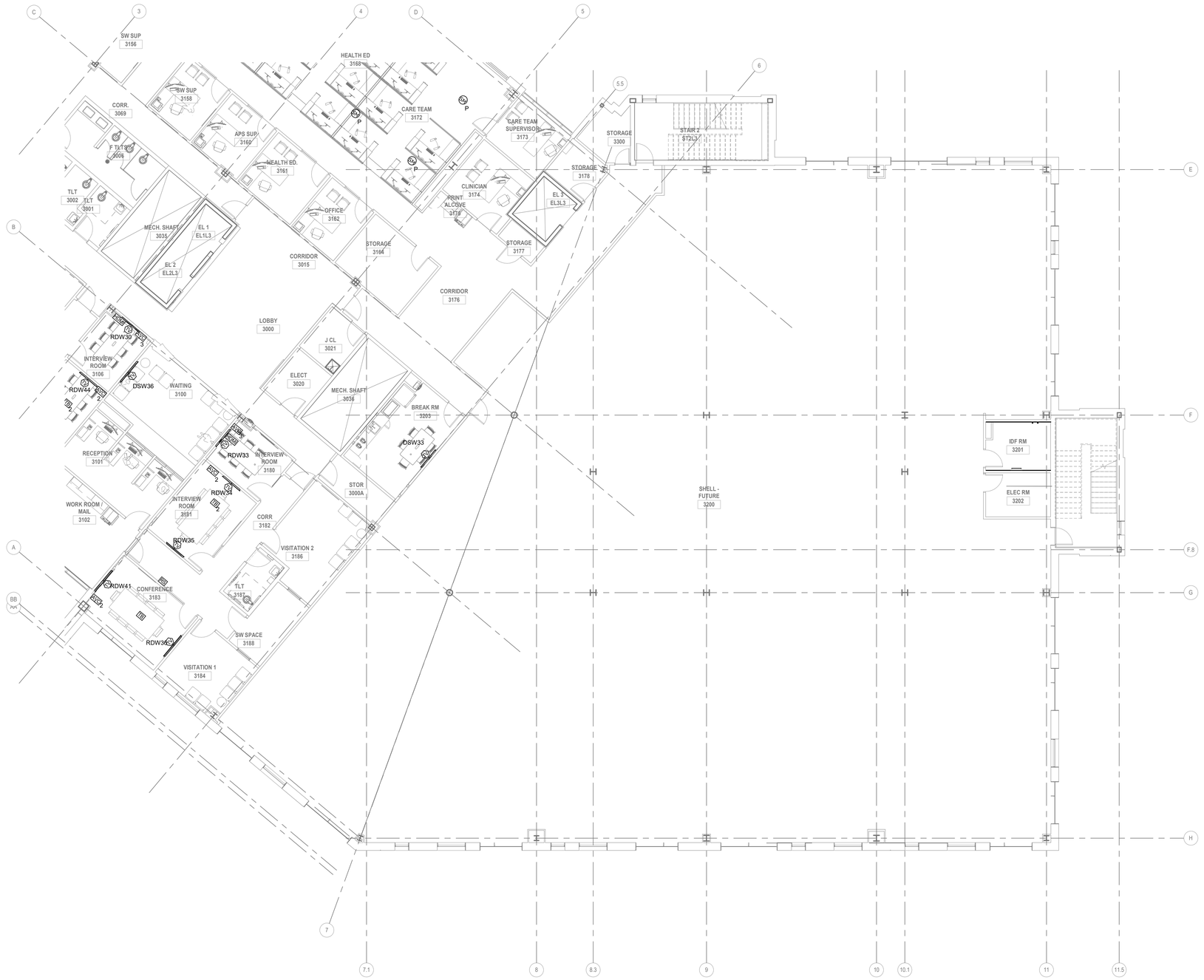
SHEET TITLE:
AUDIO VISUAL - LEVEL 3 FLOOR PLAN - A

SHEET NO. TA103A

PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED FOR ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATELY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

DRAWN 9:56:37 AM - Autodesk Docs://2025 BI Brunswick County Health & Human Services/25042_Brunswick_HHS_Technology_R23.rvt



1 AUDIO VISUAL - LEVEL 3 FLOOR PLAN - AREA B
SCALE 1/8" = 1'-0"

mcmillan pazdan smith
ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

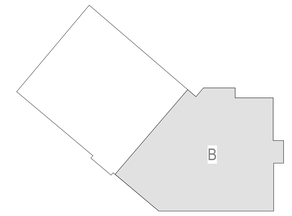
BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

KEY PLAN



PRINCIPAL IN CHARGE: DAJ
PROJECT ARCHITECT: BF
DRAWN BY: Author

SHEET TITLE:
AUDIO VISUAL - LEVEL 3 FLOOR PLAN - B

SHEET NO. TA103B
PROJ. NO. 024370.00

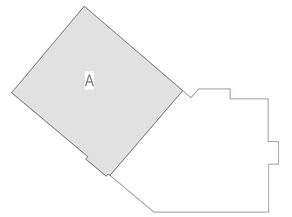
PROJECT NORTH

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED FOR ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR STORED FOR ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED



1 AUDIO VISUAL - LEVEL 4 FLOOR PLAN - AREA A
SCALE 1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: DAJ
PROJECT ARCHITECT: BF
DRAWN BY: Author

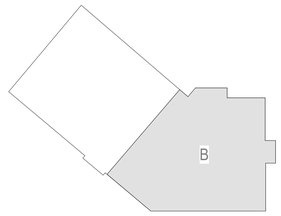
SHEET TITLE:
AUDIO VISUAL - LEVEL 4 FLOOR PLAN - A

SHEET NO. TA104A
PROJ. NO. 024370.00



1 AUDIO VISUAL - LEVEL 4 FLOOR PLAN - AREA B
SCALE 1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: DAJ
PROJECT ARCHITECT: BF
DRAWN BY: Author

SHEET TITLE:
AUDIO VISUAL - LEVEL 4 FLOOR PLAN - B

SHEET NO. TA104B

PROJ. NO. 024370.00

2/6/2026 8:39:56 AM Autodesk Docs://024370.00_Brunswick County Health & Human Services/25042_Brunswick - HHS_Technology_R23.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

DISPLAY AND AV EQUIPMENT SCHEDULE

ID	LOCATION	SIZE	DESCRIPTION
DSW3 DSW4 DSW11 DSW12 DSW13 DSW14 DSW15 DSW16 DSW17 DSW18 DSW19 DSW26 DSW20 DSW21 DSW22 DSW23 DSW24 DSW25 DSW27 DSW28 DSW39	EXAM 1125 EXAM 1117 IMMUNIZATION 1478 IMMUNIZATION 1478 IMMUNIZATION 1476 IMMUNIZATION 1475 EXAM PED'S 1460 EXAM PED'S 1461 EXAM PED'S 1455 EXAM PED'S 1456 EXAM PED'S 1458 EXAM PED'S 1462 EXAM WOMAN'S 1450 EXAM WOMAN'S 1451 EXAM WOMAN'S 1452 EXAM WOMAN'S 1439 EXAM WOMAN'S 1440 EXAM /STI - ISO 1431 EXAM 1427 TRIAGE /EXAM 1432 EXAM 1115	43"	COMMERCIAL GRADE, 4K UHD WALL MOUNTED DISPLAY,24/7, 500 CANDELA/METER SQUARED, DIGITAL SIGNAGE FUNCTION, LANDSCAPE ORIENTATION, MOUNTED ON CHIEF #PAC501B BACKBOX WITH CHIEF #PNRIWUB SWING ARM BRACKET & INTERFACE BRACKET CHIEF #PSBU, DISPLAY REMOTE TO BE USED TO CONTROL DISPLAY/INPUTS/ VOLUME, DIGITAL MEDIA PLAYER (BRIGHTSIGN #HD1025) FOR OWNER FURNISHED CONTENT, POWER SURGE STRIP.
DSW1 DSW2 DSW10 DSW31 DSW32 DSW33 DSW38	WAITING 1100 WAITING 1100 BREAKROOM 1469 BREAKROOM 2017 BREAKROOM 2220 BREAKROOM 3203 BREAK/CONF RM 1310	55"	COMMERCIAL GRADE, 4K UHD WALL MOUNTED DISPLAY,24/7, 500 CANDELA/METER SQUARED, DIGITAL SIGNAGE FUNCTION AND STREAMING TV, LANDSCAPE ORIENTATION, MOUNTED ON CHIEF #PAC501B BACKBOX WITH CHIEF #PNRIWUB SWING ARM BRACKET & INTERFACE BRACKET CHIEF #PSBU, DISPLAY REMOTE TO BE USED TO CONTROL DISPLAY/INPUTS/ VOLUME, PROVIDE DIGITAL MEDIA PLAYER (BRIGHTSIGN #HD1025) FOR OWNER FURNISHED CONTENT, PROVIDE WIRELESS MEDIA DEVICE (CRESTRON #AM-3000-WF), POWER SURGE STRIP.
DSW5 DSW6 DSW8 DSW9 DSW7 DSW29 DSW30 DSW36 DSW37	MAIN LOBBY 1001 MAIN LOBBY 1001 CLINIC WAIT 1400 CLINIC WAIT 1400 WAITING 1300 WAITING 2100 WAITING 2100 WAITING 3100 LOUNGE 4186	65"	COMMERCIAL GRADE, 4K UHD WALL MOUNTED DISPLAY,24/7, 500 CANDELA/METER SQUARED, DIGITAL SIGNAGE FUNCTION AND STREAMING TV, LANDSCAPE ORIENTATION, MOUNTED ON CHIEF #PAC501B BACKBOX WITH CHIEF #PNRIWUB SWING ARM BRACKET & INTERFACE BRACKET CHIEF #PSBU, DISPLAY REMOTE TO BE USED TO CONTROL DISPLAY/INPUTS/ VOLUME, PROVIDE DIGITAL MEDIA PLAYER (BRIGHTSIGN #HD1025) FOR OWNER FURNISHED CONTENT, PROVIDE WIRELESS MEDIA DEVICE (CRESTRON #AM-3000-WF), POWER SURGE STRIP.
DSW34 DSW35	DINING 4262 DINING 4262	75"	COMMERCIAL GRADE, 4K UHD WALL MOUNTED DISPLAY,24/7, 500 CANDELA/METER SQUARED, DIGITAL SIGNAGE FUNCTION AND STREAMING TV, LANDSCAPE ORIENTATION, MOUNTED ON CHIEF #PAC501B BACKBOX WITH CHIEF #PNRIWUB SWING ARM BRACKET & INTERFACE BRACKET CHIEF #PSBU, DISPLAY REMOTE TO BE USED TO CONTROL DISPLAY/INPUTS/ VOLUME, PROVIDE DIGITAL MEDIA PLAYER (BRIGHTSIGN #HD1025) FOR OWNER FURNISHED CONTENT, PROVIDE WIRELESS MEDIA DEVICE (CRESTRON #AM-3000-WF), POWER SURGE STRIP.
RDW17 RDW18 RDW25 RDW26 RDW28 RDW29	CONF 2122 CONF 2122 TRAINING RM 2118 TRAINING RM 2118 CONF 3135 CONF 3135	65"	COMMERCIAL GRADE, 4K UHD WALL MOUNTED DISPLAY,24/7, 500 CANDELA/METER SQUARED, ROOM DISPLAY FUNCTION, LANDSCAPE ORIENTATION, MOUNTED ON CHIEF #PAC501B BACKBOX WITH CHIEF #PNRIWUB SWING ARM BRACKET & INTERFACE BRACKET CHIEF #PSBU. PROVIDE THE FOLLOWING AV DEVICES PER ROOM: 1. ALL IN ONE SPEAKER SOUND BAR (LOGITECH RALLY BAR WITH (2) CEILING MOUNTED MIRCOPHONE PODS), SOUND BAR WILL BE MOUNTED JUST BELOW PRIMARY DISPLAY IN THE ROOM. 2. (1) WIRELESS MEDIA DEVICE (CRESTRON #AM-3200-WF). 3. (1) SINGLE IP SWITCH/RECEIVER (CRESTRON #HD-RX-4K-510-C-E) LOCATED BEHIND THE PRIMARY DISPLAY. 4. (1) DISTRIBUTION AMPLIFIER (CRESTRON #HD-DA2-4KZ-E) MOUNTED BEHIND PRIMARY DISPLAY. 5. (1) ENCODER (CRESTRON #DM-NVX-E30) MOUNTED BEHIND PRIMARY DISPLAY. 6. (1) DECODER (CRESTRON #DM-NVX-D30 MOUNTED BEHIND SECONDARY DISPLAY. 7. POWER SURGE PROTECTOR DEVICE, ONE MOUNTED BEHIND EACH DISPLAY. 8. (1) WALL MOUNTED AVC BUTTON CONTROLLER (CRESTRON #MPC4-102-B) MOUNTED ADJACENT TO PRIMARY DISPLAY, SHALL BE USED TO CONTROL DISPLAY/INPUTS/ VOLUME. WHERE THERE ARE MULTIPLE DISPLAYS IN A ROOM, DISPLAYS SHALL FUNCTION SIMULTANEOUSLY. 9. PROVIDE ALL AV OVER IP CAT6 CABLING AND HDMI CABLING TO INTERCONNECT DEVICES.
RDW34 RDW35	INTERVIEW 3181 INTERVIEW 3181	55"	COMMERCIAL GRADE, 4K UHD WALL MOUNTED DISPLAY,24/7, 500 CANDELA/METER SQUARED, ROOM DISPLAY FUNCTION, LANDSCAPE ORIENTATION, MOUNTED ON CHIEF #PAC501B BACKBOX WITH CHIEF #PNRIWUB SWING ARM BRACKET & INTERFACE BRACKET CHIEF #PSBU. PROVIDE THE FOLLOWING AV DEVICES PER ROOM: 1. (1) WIRELESS MEDIA DEVICE (CRESTRON #AM-3200-WF). 2. (1) AV OVER IP TRANSMITTER (CRESTRON #AM-TX3-200) LOCATED UNDER THE TABLE FOR HDMI AND USB-C INPUTS. 3. (1) SINGLE IP SWITCH/RECEIVER (CRESTRON #HD-RX-4K-510-C-E) LOCATED BEHIND THE PRIMARY DISPLAY. 4. (1) DISTRIBUTION AMPLIFIER (CRESTRON #HD-DA2-4KZ-E) MOUNTED BEHIND PRIMARY DISPLAY. 5. (1) ENCODER (CRESTRON #DM-NVX-E30) MOUNTED BEHIND PRIMARY DISPLAY. 6. (1) DECODER (CRESTRON #DM-NVX-D30 MOUNTED BEHIND SECONDARY DISPLAY. 7. POWER SURGE PROTECTOR DEVICE, ONE MOUNTED BEHIND EACH DISPLAY. 8. (1) WALL MOUNTED AVC BUTTON CONTROLLER (CRESTRON #MPC4-102-B) MOUNTED ADJACENT TO PRIMARY DISPLAY, SHALL BE USED TO CONTROL DISPLAY/INPUTS/ VOLUME. WHERE THERE ARE MULTIPLE DISPLAYS IN A ROOM, DISPLAYS SHALL FUNCTION SIMULTANEOUSLY. 9. PROVIDE ALL AV OVER IP CAT6 CABLING AND HDMI CABLING TO INTERCONNECT DEVICES.
RDW19 RDW20 RDW21 RDW22	CONF 2108 CONF 2108 CONF 2272 CONF 2272	55"	COMMERCIAL GRADE, 4K UHD WALL MOUNTED DISPLAY,24/7, 500 CANDELA/METER SQUARED, ROOM DISPLAY FUNCTION, LANDSCAPE ORIENTATION, MOUNTED ON CHIEF #PAC501B BACKBOX WITH CHIEF #PNRIWUB SWING ARM BRACKET & INTERFACE BRACKET CHIEF #PSBU. PROVIDE THE FOLLOWING AV DEVICES PER ROOM: 1. ALL IN ONE SPEAKER SOUND BAR (LOGITECH RALLY BAR, ADD CEILING MOUNTED MIRCOPHONE PODS AS REQUIRED), SOUND BAR WILL BE MOUNTED JUST BELOW PRIMARY DISPLAY IN THE ROOM. 2. (1) WIRELESS MEDIA DEVICE (CRESTRON #AM-3200-WF). 3. (1) AV OVER IP TRANSMITTER (CRESTRON #AM-TX3-200) LOCATED UNDER THE TABLE FOR HDMI AND USB-C INPUTS. 4. (1) SINGLE IP SWITCH/RECEIVER (CRESTRON #HD-RX-4K-510-C-E) LOCATED BEHIND THE PRIMARY DISPLAY. 5. (1) DISTRIBUTION AMPLIFIER (CRESTRON #HD-DA2-4KZ-E) MOUNTED BEHIND PRIMARY DISPLAY. 6. (1) ENCODER (CRESTRON #DM-NVX-E30) MOUNTED BEHIND PRIMARY DISPLAY. 7. (1) DECODER (CRESTRON #DM-NVX-D30 MOUNTED BEHIND SECONDARY DISPLAY. 8. POWER SURGE PROTECTOR DEVICE, ONE MOUNTED BEHIND EACH DISPLAY. 9. (1) WALL MOUNTED AVC BUTTON CONTROLLER (CRESTRON #MPC4-102-B) MOUNTED ADJACENT TO PRIMARY DISPLAY, SHALL BE USED TO CONTROL DISPLAY/INPUTS/ VOLUME. WHERE THERE ARE MULTIPLE DISPLAYS IN A ROOM, DISPLAYS SHALL FUNCTION SIMULTANEOUSLY. 10. PROVIDE ALL AV OVER IP CAT6 CABLING AND HDMI CABLING TO INTERCONNECT DEVICES.
RDW1 RDW2 RDW23 RDW24 RDW39 RDW40 RDW50 RDW51	CONF RM 1204 CONF RM 1204 CONF 2203 CONF 2203 CONF 4244 CONF 4244 BREAKOUT CONF 4168 BREAKOUT CONF 4168	65"	
RDW43 RDW44 RDW31	INTERVIEW RM 3105 CONF 3103 LEGAL CONF RM 4259	55"	COMMERCIAL GRADE, 4K UHD WALL MOUNTED DISPLAY,24/7, 500 CANDELA/METER SQUARED, ROOM DISPLAY FUNCTION, LANDSCAPE ORIENTATION, MOUNTED ON CHIEF #PAC501B BACKBOX WITH CHIEF #PNRIWUB SWING ARM BRACKET & INTERFACE BRACKET CHIEF #PSBU. PROVIDE THE FOLLOWING AV DEVICES PER ROOM: 1. ALL IN ONE SPEAKER SOUND BAR (LOGITECH RALLY BAR), SOUND BAR WILL BE MOUNTED JUST BELOW PRIMARY DISPLAY IN THE ROOM. 2. (1) WIRELESS MEDIA DEVICE (CRESTRON #AM-3200-WF). 3. (1) AV OVER IP TRANSMITTER (CRESTRON #AM-TX3-200) LOCATED UNDER THE TABLE FOR HDMI AND USB-C INPUTS. 4. (1) SINGLE IP SWITCH/RECEIVER (CRESTRON #HD-RX-4K-510-C-E) LOCATED BEHIND THE PRIMARY DISPLAY. 5. POWER SURGE PROTECTOR DEVICE, ONE MOUNTED BEHIND EACH DISPLAY. 6. (1) WALL MOUNTED AVC BUTTON CONTROLLER (CRESTRON #MPC4-201-B) MOUNTED ADJACENT TO PRIMARY DISPLAY, SHALL BE USED TO CONTROL DISPLAY/INPUTS/ VOLUME. WHERE THERE ARE MULTIPLE DISPLAYS IN A ROOM, DISPLAYS SHALL FUNCTION SIMULTANEOUSLY. 7. PROVIDE ALL AV OVER IP CAT6 CABLING AND HDMI CABLING TO INTERCONNECT DEVICES.
RDW15	CONF RM 1418	65"	
RDW3 RDW4 RDW14 RDW30 RDW33 RDW45	CONSULT 1224 CONSULT 1223 CONSULT 1407 INTERVIEW 3106 INTERVIEW 3180 FUTURE 4263	55"	COMMERCIAL GRADE, 4K UHD WALL MOUNTED DISPLAY,24/7, 500 CANDELA/METER SQUARED, ROOM DISPLAY FUNCTION, LANDSCAPE ORIENTATION, MOUNTED ON CHIEF #PAC501B BACKBOX WITH CHIEF #PNRIWUB SWING ARM BRACKET & INTERFACE BRACKET CHIEF #PSBU. PROVIDE THE FOLLOWING AV DEVICES PER ROOM: 1. (1) WIRELESS MEDIA DEVICE (CRESTRON #AM-3200-WF). 2. (1) SINGLE IP SWITCH/RECEIVER (CRESTRON #HD-RX-4K-510-C-E) LOCATED BEHIND THE DISPLAY. 3. (1) POWER SURGE PROTECTOR DEVICE, MOUNTED BEHIND DISPLAY. 4. (1) WALL MOUNTED AVC BUTTON CONTROLLER (CRESTRON #MPC4-201-B) MOUNTED ADJACENT TO DISPLAY, SHALL BE USED TO CONTROL DISPLAY/INPUTS/ VOLUME. WHERE THERE ARE MULTIPLE DISPLAYS IN A ROOM, DISPLAYS SHALL FUNCTION SIMULTANEOUSLY. 5. PROVIDE ALL AV OVER IP CAT6 CABLING AND HDMI CABLING TO INTERCONNECT DEVICES.
RDW7 RDW8 RDW9 RDW10	INTERVIEW 1104 INTERVIEW 1103 INTERVIEW 1102 INTERVIEW 1101	43"	COMMERCIAL GRADE, 4K UHD WALL MOUNTED DISPLAY,24/7, 500 CANDELA/METER SQUARED, ROOM DISPLAY FUNCTION, LANDSCAPE ORIENTATION, MOUNTED ON CHIEF #PAC501B BACKBOX WITH CHIEF #PNRIWUB SWING ARM BRACKET & INTERFACE BRACKET CHIEF #PSBU. PROVIDE THE FOLLOWING AV DEVICES PER ROOM: 1. (1) WIRELESS MEDIA DEVICE (CRESTRON #AM-3200-WF). 2. (1) SINGLE IP SWITCH/RECEIVER (CRESTRON #HD-RX-4K-510-C-E) LOCATED BEHIND THE DISPLAY. 3. (1) POWER SURGE PROTECTOR DEVICE, MOUNTED BEHIND DISPLAY. 4. (1) WALL MOUNTED AVC BUTTON CONTROLLER (CRESTRON #MPC4-201-B) MOUNTED ADJACENT TO DISPLAY, SHALL BE USED TO CONTROL DISPLAY/INPUTS/ VOLUME. WHERE THERE ARE MULTIPLE DISPLAYS IN A ROOM, DISPLAYS SHALL FUNCTION SIMULTANEOUSLY. 5. PROVIDE ALL AV OVER IP CAT6 CABLING AND HDMI CABLING TO INTERCONNECT DEVICES.
RDW11	INTERVIEW 1111	55"	
RDW27	SW PROG MGR 3146	43"	COMMERCIAL GRADE, 4K UHD WALL MOUNTED DISPLAY,24/7, 500 CANDELA/METER SQUARED, ROOM DISPLAY FUNCTION, LANDSCAPE ORIENTATION, MOUNTED ON CHIEF #PAC501B BACKBOX WITH CHIEF #PNRIWUB SWING ARM BRACKET & INTERFACE BRACKET CHIEF #PSBU. PROVIDE THE FOLLOWING AV DEVICES PER ROOM: 1. (1) WIRELESS MEDIA DEVICE (CRESTRON #AM-3200-WF). 2. (1) POWER SURGE PROTECTOR DEVICE, MOUNTED BEHIND DISPLAY.
RDW13 RDW12 RDW57 RDW58 RDW59 RDW60 RDW61 RDW63 RDW64 RDW52 RDW53 RDW54 RDW62	WIC DIRECTOR OFFICE 1107 MNT NUTRITIONIST 1119 OFFICE PLANNER 4154 OFFICE PLANNER 4153 OFFICE PLANNER 4152 OFFICE LOGISTICS 4136 OFFICE V&DC 4134 FUTURE OFFICE 4126 AMATEUR RADIO 4116 OFF FIRE ADMIN 4166 OFF EM DEPUTY 4164 OFFICE ADMIN 4162 OFFICE 4128	55"	
RDW6 RDW5 RDW16 RDW55 RDW56 RDW65 RDW37 RDW38 RDW42	DIRECTOR OFFICE 1209 DIRECTOR 1307 OFFICE 1434 OFFICE EM DIR 4158 OFFICE EM DIR 4158 CALL CENTER 4114 DSS DIRECTOR 4242 DSS DEPUTY DIRECTOR 4236 HHS DIRECTOR 4220	65"	

ID	LOCATION	SIZE	DESCRIPTION
RDW46 RDW47 RDW48 RDW49	LARGE MEETING 4200 LARGE MEETING 4200 LARGE MEETING 4100 LARGE MEETING 4100	98"	COMMERCIAL GRADE, 4K UHD WALL MOUNTED DISPLAY,24/7, 500 CANDELA/METER SQUARED, ROOM DISPLAY FUNCTION, LANDSCAPE ORIENTATION, MOUNTED ON CHIEF #PAC501B BACKBOX WITH CHIEF #PNRIWUB SWING ARM BRACKET & INTERFACE BRACKET CHIEF #PSBU COMMERCIAL GRADE, 4K UHD, 6000 LUMENS, PROJECTOR, ROOM DISPLAY FUNCTION, LANDSCAPE ORIENTATION, MOUNTED ON A PENDANT, CAMERA FOR VTC MOUNTED ON A PENDANT FROM THE CEILING, CEILING MOUNTED MICROPHONES, HOST PC, VIA WIRELESS PRESENTER, CRESTRON RECEIVER, SURGE PROTECTOR., AVC TOUCHSCREEN SHALL BE USED TO CONTROL DISPLAY/INPUTS/ VOLUME, OWNER FURNISHED RACK MOUNTED PC FOR OWNER FURNISHED CONTENT, OWNER FURNISHED WIRELESS KEYBOARD AND MOUSE TO ACCESS PC. PROVIDE THE FOLLOWING AV DEVICES: 1. (4) ENCODER/DECODER (CRESTRON #DM-NVX-363), (1) LOCATED IN EACH LECTERN IN ROOM 4100 AND ROOM 4200 AND (2) LOCATED IN AV RACK IN STORAGE RM 4105 . 2. (2) LECTERNS 3. (2) WIRELESS MEDIA DEVICE2 (CRESTRON #AM-3200-WF), ONE FOR ROOM 4100 AND ONE FOR ROOM 4200. 4. (2) ENCODER/DECODER (CRESTRON #DM-NVX-360), LOCATED ABOVE CEILING (1) NEAR EACH PROJECTOR. 5. (1) 30 PORT MANAGED NETWORK SWITCH LOCATED IN AV RACK IN STORAGE RM 4105. 6. (1) AV NETWORK MANAGEMENT SWITCH (CRESTRON DM-NVX-DIR2), LOCATED IN AV RACK IN STORAGE RM 4105. 7. (1) CONTROL SYSTEM (CRESTRON #CPN4), LOCATED IN AV RACK IN STORAGE ROOM 4105. 8. PROVIDE DIGITAL SIGNIAL PROCESSOR (BIAMP: TERISA FORTE-X-1600 WITH 4 CHANNELS OF AEC OR EQUAL) FOR CEILING MOUNTED MICROPHONES. 9. PROVIDE AMPLIFIER (BIAMP: REVAMP212OT OR EQUAL) FOR CEILING MOUNTED SPEAKERS. 10. PROVIDE (2) POE CONNECTION DEVICE (BIAMP: TESIRACONNECT TC-5 OR EQUAL) 11. POWER SURGE PROTECTOR DEVICE, ONE MOUNTED BEHIND EACH DISPLAY AND AT PROJECTORS. 12. (2) WALL MOUNTED TOUCHSCREEN AVC CONTROLLERS (CRESTRON #TSW-1070-B-S) MOUNTED ON WALL NEAR EACH LECTERN, SHALL BE USED TO CONTROL DISPLAY/PROJECTOR/INPUTS/ VOLUME. WHEN THE DIVIDER IS CLOSED THE DISPLAYS AND PROJECTORS IN EACH ROOM WILL OPERATE INDEPENDENTLY, WHEN THE DIVIDER IS OPEN THE DISPLAYS AND PROJECTORS IN BOTH ROOMS WILL OPERATE SIMULTANEOUSLY. 13. PROVIDE ALL AV OVER IP CAT6 CABLING AND HDMI CABLING TO INTERCONNECT DEVICES.
OHP/PJS	LARGE MEETING 4200 LARGE MEETING 4100	137"	
RDW80 RDW81 RDW82 RDW83 RDW84 RDW85 RDW86 RDW73 RDW74 RDW66 RDW67	CONF 4167 CONF 4167 CONF 4167 CONF 4167 CONF 4165 CONF 4165 CONF 4165 BREAKOUT CONF 4113 BREAKOUT CONF 4113 BREAKOUT CONF 4112 BREAKOUT CONF 4112	65"	COMMERCIAL GRADE, 4K UHD WALL MOUNTED DISPLAY,24/7, 500 CANDELA/METER SQUARED, ROOM DISPLAY FUNCTION, LANDSCAPE ORIENTATION, MOUNTED ON CHIEF #PAC501B BACKBOX WITH CHIEF #PNRIWUB SWING ARM BRACKET & INTERFACE BRACKET CHIEF #PSBU. PROVIDE THE FOLLOWING AV DEVICES PER ROOM: 1. PROVIDE DIGITAL SIGNIAL PROCESSOR (BIAMP: TERISA FORTE-X-400 WITH 4 CHANNELS OF AEC OR EQUAL) FOR CEILING MOUNTED MICROPHONES. 2. PROVIDE POE AMPLIFIER (BIAMP: PARLE TCM-XA OR EQUAL) FOR CEILING MOUNTED SPEAKERS. 3. (1) WIRELESS MEDIA DEVICE (CRESTRON #AM-3200-WF). 4. (1) AV OVER IP TRANSMITTER (CRESTRON #AM-TX3-200) LOCATED UNDER THE TABLE FOR HDMI AND USB-C INPUTS. 5. (1) SINGLE IP SWITCH/RECEIVER (CRESTRON #HD-RX-4K-510-C-E) LOCATED BEHIND THE PRIMARY DISPLAY. 6. PROVIDE (1) ENCODER (CRESTRON #DM-NVX-E30) MOUNTED BEHIND PRIMARY DISPLAY. 7. PROVIDE (1) DECODER (CRESTRON #DM-NVX-D30) MOUNTED BEHIND EACH DISPLAY. 8. POWER SURGE PROTECTOR DEVICE, ONE MOUNTED BEHIND EACH DISPLAY. 9. (1) WALL MOUNTED AVC BUTTON CONTROLLER (CRESTRON #MPC4-201-B) MOUNTED ADJACENT TO PRIMARY DISPLAY, SHALL BE USED TO CONTROL DISPLAY/INPUTS/ VOLUME. WHERE THERE ARE MULTIPLE DISPLAYS IN A ROOM, DISPLAYS SHALL FUNCTION SIMULTANEOUSLY. 10. PROVIDE ALL AV OVER IP CAT6 CABLING AND HDMI CABLING TO INTERCONNECT DEVICES.
RDW75 RDW87	BREAKOUT CONF 4113 BREAKOUT CONF 4113	75"	
RDW68 RDW69 RDW70 RDW77 RDW78 RDW79	EOC 4111 EOC 4111 EOC 4111 EOC 4111 EOC 4111 EOC 4111	65"	COMMERCIAL GRADE, 4K UHD WALL MOUNTED DISPLAY,24/7, 500 CANDELA/METER SQUARED, ROOM DISPLAY FUNCTION, LANDSCAPE ORIENTATION, MOUNTED ON CHIEF #PAC501B BACKBOX WITH CHIEF #PNRIWUB SWING ARM BRACKET & INTERFACE BRACKET CHIEF #PSBU.
RDW71 RDW72	EOC 4111 EOC 4111	98"	COMMERCIAL GRADE, 4K UHD VIDEO WALL, 16-9 FORMAT, PLANAR MODEL DLE1.2 6x6, VC4-L-F10G, 2880x1620 RESOLUTION, 11.8X6.7 FT, 162.6 DIAGNOAL INCHES, 1.2MM PITCH COB LED, 600X337.5MM CABINET, 4X2 MODULE ARRAY, 24/7, VIDEO WALL FOR DISPLAY FUNCTION. PROVIDE THE FOLLOWING AV DEVICES IN EOC ROOM: 1. PROVIDE DIGITAL SIGNIAL PROCESSOR (BIAMP: TERISA FORTE-X-1600 WITH 4 CHANNELS OF AEC OR EQUAL) FOR CEILING MOUNTED MICROPHONES. 2. PROVIDE AMPLIFIER (BIAMP: REVAMP212OT OR EQUAL) FOR CEILING MOUNTED SPEAKERS. 3. PROVIDE (2) POE CONNECTION DEVICE (BIAMP: TESIRACONNECT TC-5 OR EQUAL) (NOTE: (8) SPEAKERS THAT ARE PLAN EAST AND WEST OF THE TABLES WILL BE THE BIAMP: PARLE TCM-XEX EXPANSION TYPE. 4. (1) WIRELESS MEDIA DEVICE (CRESTRON #AM-3200-WF). 5. (1) AV OVER IP TRANSMITTER (CRESTRON #AM-TX3-200) LOCATED UNDER THE TABLE FOR HDMI AND USB-C INPUTS. 6. (1) AV OVER IP SWITCHER (CRESTRON #DM-NVX-384) LOCATED IN AVR1 RACK. 7. (1) SINGLE IP SWITCH/RECEIVER (CRESTRON #HD-RX-4K-510-C-E) LOCATED IN AVR1 RACK. 8. PROVIDE (1) ENCODER (CRESTRON #DM-NVX-E30) MOUNTED IN AVR1 RACK IN IPS/IT ROOM 4137. 9. PROVIDE (1) DECODER (CRESTRON #DM-NVX-D30) MOUNTED BEHIND EACH DISPLAY. 10. POWER SURGE PROTECTOR DEVICE, ONE MOUNTED BEHIND EACH DISPLAY. 11. (1) WALL MOUNTED AVC 10" TOUCHSCREEN CONTROLLER (CRESTRON #TSW-1070-B-S) MOUNTED ADJACENT TO PRIMARY DISPLAY, SHALL BE USED TO CONTROL DISPLAY/INPUTS/ VOLUME. WHERE THERE ARE MULTIPLE DISPLAYS IN A ROOM, DISPLAYS SHALL FUNCTION INDEPENDANTLY OR SIMULTANEOUSLY. 12. (1) SYSTEM CONTROLLER (CRESTRON #CP4N) LOCATED IN AVR1 RACK. 13. PROVIDE ALL AV OVER IP CAT6 CABLING, CAT5E CABLING FOR MICROPHONES/SPEAKERS, AND HDMI CABLING TO INTERCONNECT DEVICES.
RDW88	EOC 4111	164.1"	

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: DAJ
PROJECT ARCHITECT: BF
DRAWN BY: Author

SHEET TITLE:

AUDIO VISUAL - DETAILS

SHEET NO. TA501

PROJ. NO. 024370.00

2/6/2026 8:39:57 AM Autodesk Docs://024370.00_Brunswick County Health & Human Services/25042_Brunswick - HHS_Technology_R23.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT. SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2025 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

AV OPERATIONA/INTERCONNECTION DESCRIPTION

LOCATION	DESCRIPTION
LARGE CONFERENCE ROOMS, (2) DISPLAYS	SEQUENCE OF OPERATION/INTERCONNECTION FOR LARGE CONFERENCE ROOM WITH (2) DISPLAYS AND VIDEO CONFERENCING. THE ROOM HAS THE ABILITY TO ACCEPT 3 INPUTS TOTAL: ONE FROM A WIRELESS PRESENTER DEVICE LOCATED BEHIND THE PRIMARY DISPLAY, ONE FROM A WIRED HDMI OVER IP INPUT FROM SURFACE MOUNTED TRANSMITTER LOCATED UNDER THE TABLE, ONE FROM A WIRED USB-C OVER IP INPUT FROM SURFACE MOUNTED TRANSMITTER LOCATED UNDER THE TABLE. THE TABLE BOX POWER CORD WILL PLUG INTO TO A POWER OUTLET IN THE FLOOR BOX OR POKE THRU BOX LOCATED BELOW THE TABLE. THE TABLE BOX WILL HAVE HDMI AND USB-C CORDS THAT PLUG INTO THE TRANSMITTER BOXES LOCATED BELOW THE TABLE. THERE WILL BE ONE ALL-IN-ONE SOUND BAR LOCATED BELOW THE PRIMARY DISPLAY. ALL DEVICES WILL CONNECT BACK TO A RECEIVER MOUNTED BEHIND THE PRIMARY DISPLAY. THE OUTPUT OF THE RECEIVER WILL CONNECT TO A DISTRIBUTION AMPLIFIER LOCATED BEHIND THE DISPLAY. ONE OUTPUT OF THE DISTRIBUTION AMPLIFIER WILL CONNECT TO THE PRIMARY DISPLAY, ONE OUTPUT OF THE DISTRIBUTION AMPLIFIER WILL CONNECT TO AN ENCODER LOCATED BEHIND THE PRIMARY DISPLAY. THE OUTPUT OF THE ENCODER WILL CONNECT TO A DECODER LOCATED BEHIND THE SECONDARY DISPLAY. THE OUTPUT OF THE DECODER WILLL CONNECT TO THE SECONDARY DISPLAY. THE CONTROLLER/BUTTON PANEL WILL BE WALL MOUNTED AND CONTROLS ALL INPUTS, SOUND BAR, VOLUME, ON/OFF. THE CONTENT FROM ONE OF THE INPUT DEVICES, AND ONLY ONE AT A TIME, WILL BE DISPLAYED TO BOTH DISPLAYS SIMULTANEOUSLY. THE ROOM SCHEDULER OUTSIDE OF THE ROOM IS NOT CONNECTED TO THE AV EQUIPMENT WITHIN THE ROOM AND IS PROGRAMMED SEPARATELY BASED ON THE OWNER'S DAILY SCHEDULING REQUIREMENTS.
SMALL CONFERENCE ROOMS, (1) DISPLAY	SEQUENCE OF OPERATION/INTERCONNECTION FOR SMALL CONFERENCE ROOM WITH (1) DISPLAY AND VIDEO CONFERENCING. THE ROOM HAS THE ABILITY TO ACCEPT 3 INPUTS TOTAL: ONE FROM A WIRELESS PRESENTER DEVICE LOCATED BEHIND THE DISPLAY, ONE FROM A WIRED HDMI OVER IP INPUT FROM SURFACE MOUNTED TRANSMITTER LOCATED UNDER THE TABLE, ONE FROM A WIRED USB-C OVER IP INPUT FROM SURFACE MOUNTED TRANSMITTER LOCATED UNDER THE TABLE. THE TABLE BOX POWER CORD WILL PLUG INTO TO A POWER OUTLET IN THE FLOOR BOX OR POKE THRU BOX LOCATED BELOW THE TABLE. THE TABLE BOX WILL HAVE HDMI AND USB-C CORDS THAT PLUG INTO THE TRANSMITTER BOXES LOCATED BELOW THE TABLE. THERE WILL BE ONE ALL-IN-ONE SOUND BAR LOCATED BELOW THE DISPLAY. ALL DEVICES WILL CONNECT BACK TO A RECEIVER MOUNTED BEHIND THE DISPLAY. THE OUTPUT OF THE RECEIVER WILL CONNECT TO THE DISPLAY. THE CONTROLLER/BUTTON PANEL WILL BE WALL MOUNTED AND CONTROLS ALL INPUTS, SOUND BAR, VOLUME, ON/OFF. THE CONTENT FROM ONE OF THE INPUT DEVICES, AND ONLY ONE AT A TIME, WILL BE DISPLAYED. THE ROOM SCHEDULER OUTSIDE OF THE ROOM IS NOT CONNECTED TO THE AV EQUIPMENT WITHIN THE ROOM AND IS PROGRAMMED SEPARATELY BASED ON THE OWNER'S DAILY SCHEDULING REQUIREMENTS.
TRAINING ROOM	SEQUENCE OF OPERATION/INTERCONNECTION FOR TRAINING ROOM WITH (2) DISPLAYS AND VIDEO CONFERENCING. THE ROOM HAS THE ABILITY TO ACCEPT 4 INPUTS TOTAL: ONE FROM A WIRELESS PRESENTER DEVICE LOCATED BEHIND THE PRIMARY DISPLAY, ONE FROM A WIRED HDMI WALL MOUNTED STRAIGHT THROUGH INPUT PLATE LOCATED UNDER THE PRIMARY DISPLAY, ONE FROM A WIRED HDMI OVER IP INPUT FROM WALL BOX PLATE TRANSMITTER LOCATED UNDER THE SECONDARY DISPLAY, (1) FROM FLOOR BOXES OR POKE-THROUGH'S WIRED HDMI OVER IP INPUT TRANSMITTER FROM FLOOR BOX OR POKE-THROUGH PLATE. THERE WILL BE ONE ALL-IN-ONE SOUND BAR LOCATED BELOW THE PRIMARY DISPLAY. ALL DEVICES WILL CONNECT BACK TO A RECEIVER MOUNTED BEHIND THE PRIMARY DISPLAY. THE OUTPUT OF THE RECEIVER WILL CONNECT TO A DISTRIBUTION AMPLIFIER LOCATED BEHIND THE DISPLAY. ONE OUTPUT OF THE DISTRIBUTION AMPLIFIER WILL CONNECT TO THE PRIMARY DISPLAY, ONE OUTPUT OF THE DISTRIBUTION AMPLIFIER WILL CONNECT TO AN ENCODER LOCATED BEHIND THE PRIMARY DISPLAY. THE OUTPUT OF THE ENCODER WILL CONNECT TO A DECODER LOCATED BEHIND THE SECONDARY DISPLAY. THE OUTPUT OF THE DECODER WILLL CONNECT TO THE SECONDARY DISPLAY. THE CONTROLLER/BUTTON PANEL WILL BE WALL MOUNTED AND CONTROLS ALL INPUTS, SOUND BAR, VOLUME, ON/OFF. THE CONTENT FROM ONE OF THE INPUT DEVICES, AND ONLY ONE AT A TIME, WILL BE DISPLAYED TO BOTH DISPLAYS SIMULTANEOUSLY. THE ROOM SCHEDULER OUTSIDE OF THE ROOM IS NOT CONNECTED TO THE AV EQUIPMENT WITHIN THE ROOM AND IS PROGRAMMED SEPARATELY BASED ON THE OWNER'S DAILY SCHEDULING REQUIREMENTS.
INTERVIEW ROOMS 1ST FLOOR	SEQUENCE OF OPERATION/INTERCONNECTION FOR INTERVIEW ROOMS WITH (1) DISPLAY. THE ROOM HAS THE ABILITY TO ACCEPT 1 INPUT TOTAL: ONE FROM A WIRELESS PRESENTER DEVICE LOCATED BEHIND THE DISPLAY. THE DISPLAY REMOTE WILL CONTROL ALL INPUTS, VOLUME, AND ON/OFF. THE CONTENT FROM INPUT DEVICE, AND ONLY ONE AT A TIME, WILL BE DISPLAYED.
CONSULT ROOM, INTERVIEW RM 3106 AND INTERVIEW RM 3180	SEQUENCE OF OPERATION/INTERCONNECTION FOR CONSULT ROOM WITH (1) DISPLAY. THE ROOM HAS THE ABILITY TO ACCEPT (2) INPUTS TOTAL: ONE FROM A WIRELESS PRESENTER DEVICE LOCATED BEHIND THE DISPLAY, ONE FROM A WIRED HDMI WALL MOUNTED STRAIGHT THROUGH INPUT PLATE LOCATED UNDER THE DISPLAY. ALL DEVICES WILL CONNECT BACK TO A RECEIVER MOUNTED BEHIND THE DISPLAY. THE OUTPUT OF THE RECEIVER WILL CONNECT TO THE DISPLAY. THE CONTROLLER/BUTTON PANEL WILL BE WALL MOUNTED AND CONTROLS ALL INPUTS, VOLUME, AND ON/OFF. THE CONTENT FROM ONE OF THE INPUT DEVICES, AND ONLY ONE AT A TIME, WILL BE DISPLAYED.
INTERVIEW RM 3105	SEQUENCE OF OPERATION/INTERCONNECTION FOR INTERVIEW ROOM WITH (1) DISPLAY. THE ROOM HAS THE ABILITY TO ACCEPT 3 INPUTS TOTAL: ONE FROM A WIRELESS PRESENTER DEVICE LOCATED BEHIND THE DISPLAY, ONE FROM A WIRED HDMI OVER IP INPUT FROM SURFACE MOUNTED TRANSMITTER LOCATED UNDER THE TABLE, ONE FROM A WIRED USB-C OVER IP INPUT FROM SURFACE MOUNTED TRANSMITTER LOCATED UNDER THE TABLE. THE TABLE BOX POWER CORD WILL PLUG INTO TO A POWER OUTLET IN THE FLOOR BOX OR POKE THRU BOX LOCATED BELOW THE TABLE. THE TABLE BOX WILL HAVE HDMI AND USB-C CORDS THAT PLUG INTO THE TRANSMITTER BOXES LOCATED BELOW THE TABLE. THERE WILL BE ONE ALL-IN-ONE SOUND BAR LOCATED BELOW THE DISPLAY. ALL DEVICES WILL CONNECT BACK TO A RECEIVER MOUNTED BEHIND THE DISPLAY. THE OUTPUT OF THE RECEIVER WILL CONNECT TO THE DISPLAY. THE CONTROLLER/BUTTON PANEL WILL BE WALL MOUNTED AND CONTROLS ALL INPUTS, VOLUME, ON/OFF. THE CONTENT FROM ONE OF THE INPUT DEVICES, AND ONLY ONE AT A TIME, WILL BE DISPLAYED.
INTERVIEW RM 3181	SEQUENCE OF OPERATION/INTERCONNECTION FOR LARGE INTERVIEW ROOM WITH (2) DISPLAYS. THE ROOM HAS THE ABILITY TO ACCEPT 3 INPUTS TOTAL: ONE FROM A WIRELESS PRESENTER DEVICE LOCATED BEHIND THE PRIMARY DISPLAY, ONE FROM A WIRED HDMI OVER IP INPUT FROM SURFACE MOUNTED TRANSMITTER LOCATED UNDER THE TABLE, ONE FROM A WIRED USB-C OVER IP INPUT FROM SURFACE MOUNTED TRANSMITTER LOCATED UNDER THE TABLE. THE TABLE BOX POWER CORD WILL PLUG INTO TO A POWER OUTLET IN THE FLOOR BOX OR POKE THRU BOX LOCATED BELOW THE TABLE. THE TABLE BOX WILL HAVE HDMI AND USB-C CORDS THAT PLUG INTO THE TRANSMITTER BOXES LOCATED BELOW THE TABLE. ALL DEVICES WILL CONNECT BACK TO A RECEIVER MOUNTED BEHIND THE PRIMARY DISPLAY. THE OUTPUT OF THE RECEIVER WILL CONNECT TO A DISTRIBUTION AMPLIFIER LOCATED BEHIND THE DISPLAY. ONE OUTPUT OF THE DISTRIBUTION AMPLIFIER WILL CONNECT TO THE PRIMARY DISPLAY, ONE OUTPUT OF THE DISTRIBUTION AMPLIFIER WILL CONNECT TO AN ENCODER LOCATED BEHIND THE PRIMARY DISPLAY. THE OUTPUT OF THE ENCODER WILL CONNECT TO A DECODER LOCATED BEHIND THE SECONDARY DISPLAY. THE OUTPUT OF THE DECODER WILLL CONNECT TO THE SECONDARY DISPLAY. THE CONTROLLER/BUTTON PANEL WILL BE WALL MOUNTED AND CONTROLS ALL INPUTS, VOLUME, ON/OFF. THE CONTENT FROM ONE OF THE INPUT DEVICES, AND ONLY ONE AT A TIME, WILL BE DISPLAYED TO BOTH DISPLAYS SIMULTANEOUSLY.
LARGE MEETING ROOMS	SEQUENCE OF OPERATION/INTERCONNECTION FOR LARGE MEETING ROOM WITH (2) DISPLAYS, (1) OVERHEAD PROJECTOR, MOTORIZED SCREEN AND VIDEO CONFERENCING. THE ROOM HAS THE ABILITY TO ACCEPT 3 INPUTS TOTAL: ONE FROM A WIRELESS PRESENTER DEVICE LOCATED ABOVE THE CEILING NEAR THE PROJECTOR, ONE FROM A WIRED WALL MOUNTED HDMI OVER IP INPUT TRANSMITTER LOCATED NEAR THE LECTURN, ONE FROM A WIRED WALL MOUNTED USB-C OVER IP INPUT TRANSMITTER LOCATED NEAR THE LECTURN. THE OUTPUT OF THE OVERHEAD PROJECTOR AND DISPLAYS WILL CONNECT TO A ENCODER/DECODER. THE OUTPUT OF THE ENCODER/DECODERS WILL CONNECT TO A MANAGED SWITCH. THE MANAGED NETWORK SWITCH WILL CONNECT TO A DIRECTOR THAT IS PROGRAMMED TO MANAGE AND CONTROL ALL THE INPUTS AND OUTPUTS. THE DSP AUDIO SYSTEM LOCATED IN AVR3 CABINET FOR VTC AUDIO WILL BE CONNECTED TO THE 30 PORT MANAGED NETWORK SWITCH. ALL DEVICES WILL CONNECT BACK TO A 30 PORT MANAGED NETWORK SWITCH LOCATED IN AVR3 CABINET. THE TOUCHSCREEN CONTROLLER PANEL WILL BE WALL MOUNTED AND WILL CONTROL ALL INPUTS, VOLUME, ON/OFF AND CONTROL ROOMS SEPARATELY OR COMBINED AS ONE LARGE ROOM WHEN THE DIVIDER IS OPEN. THE CONTENT FROM ONE OF THE INPUT DEVICES, AND ONLY ONE AT A TIME, WILL BE DISPLAYED ON BOTH DISPLAYS AND PROJECTOR IN AN INDEPENDENT ROOM SIMULTANEOUSLY WHEN THE ROOM DIVIDER IS CLOSED AND ALL (4) DISPLAYS AND BOTH PROJECTORS WHEN THE DIVIDER IS OPEN.
EOC CONF 4167 CONF 4165 BREAKOUT CONF 4113 JIC BREAKOUT CONF 4112	SEQUENCE OF OPERATION/INTERCONNECTION FOR THE EOC ROOM AND SURROUNDING CONF/BREAKOUT ROOMS WITH MULTIPLE DISPLAYS AND VIDEO CONFERENCING. THE EOC ROOM HAS THE ABILITY TO ACCEPT 3 INPUTS TOTAL: ONE FROM A WIRELESS PRESENTER DEVICE LOCATED BEHIND ONE OF THE DISPLAYS, ONE FROM A WIRED HDMI OVER IP INPUT TRANSMITTER LOCATED IN A LECTURN, ONE FROM A WIRED USB-C OVER IP INPUT TRANSMITTER LOCATED IN A LECTURN. EACH CONFERENCE ROOM AND BREAKOUT ROOM HAS THE ABILITY TO ACCEPT (5) INPUTS TOTAL: ONE FROM A WIRELESS PRESENTER DEVICE LOCATED BEHIND THE PRIMARY DISPLAY, ONE FROM A WIRED HDMI OVER IP INPUT FROM SURFACE MOUNTED TRANSMITTER LOCATED UNDER THE TABLE, ONE FROM A WIRED USB-C OVER IP INPUT FROM SURFACE MOUNTED TRANSMITTER LOCATED UNDER THE TABLE. ONE FROM A WIRED STRAIGHT THROUGH HDMI WALL PLATE LOCATED ADJACENT TO PRIMARY DISPLAY, ONE FROM A WIRED STRAIGHT THROUGH USB-C WALL PLATE LOCATED ADJACENT TO THE PRIMARY DISPLAY. THE TABLE BOX POWER CORD WILL PLUG INTO TO A POWER OUTLET IN THE RAISED FLOOR BOX LOCATED BELOW THE TABLE. THE TABLE BOX WILL HAVE HDMI AND USB-C CORDS THAT PLUG INTO THE TRANSMITTER BOXES LOCATED BELOW THE TABLE. A DECODER WILL BE LOCATED BEHIND ALL DISPLAYS IN THE EOC AND SURROUNDING CONFERENCE/BREAKOUT ROOMS. THE OUTPUT OF THE DECODER WILLL CONNECT TO THE DISPLAY. THE INPUT OF THE DECODERS WILL BE CONNECT TO A MANAGED NETWORK SWITCH LOCATED IN AVR1 CABINET. THE MANAGED NETWORK SWITCH WILL CONNECT TO A DIRECTOR THAT IS PROGRAMMED TO MANAGE AND CONTROL ALL THE INPUTS AND OUTPUTS. A DSP AUDIO SYSTEM WILL BE LOCATED IN AVR1 CABINET FOR VTC AUDIO IN THE EOC AND PERIMETER CONFERENCE/BREAKOUT ROOMS AND CONNECT TO THE MANAGED NETWORK SWITCH IN AVR1. ALL INPUT DEVICES AND ENCODERS/DECODERS WILL CONNECT BACK TO THE MANAGED NETWORK SWITCH LOCATED IN AVR1 CABINET. THE TOUCHSCREEN CONTROL PANEL WILL BE WALL MOUNTED IN THE EOC AND WILL CONTROL ALL INPUTS, VOLUME, ON/OFF AND CONTROL THE INPUTS AND OUTPUTS OF THE PERIMETER CONF/BREAKOUT ROOMS SEPARATELY. THE CONTROLLER FOR THE TOUCHSCREEN WILL BE LOCATED IN AVR1 CABINET AND WILL CONNECT TO THE TOUCHSCREEN AND THE MANAGED NETWORK SWITCH. THERE WILL BE A SEPARATE CONTROLLER/BUTTON PANEL IN EACH OF THE PERIMETER CONFERENCE/BREAKOUT ROOMS, WALL MOUNTED AND CONTROLS ALL INPUTS, VOLUME, AND ON/OFF IN THOSE ROOMS. THE CONTENT FROM ONE OF THE INPUT DEVICES IN EOC, AND ONLY ONE AT A TIME, WILL BE DISPLAYED ON ALL DISPLAYS IN THE EOC. THAT SAME INPUT CAN BE DIRECTED TO ONE OR ALL OF THE PERIMETER CONFERENCE/BREAKOUT ROOM DISPLAYS. CONTENT FROM ONE OF THE INPUT DEVICES, AND ONLY ONE AT A TIME, IN THE PERIMETER CONFERENCE/BREAKOUT ROOMS CAN ALSO BE DIRECTED TO ALL OF THE DISPLAYS IN THE EOC.

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

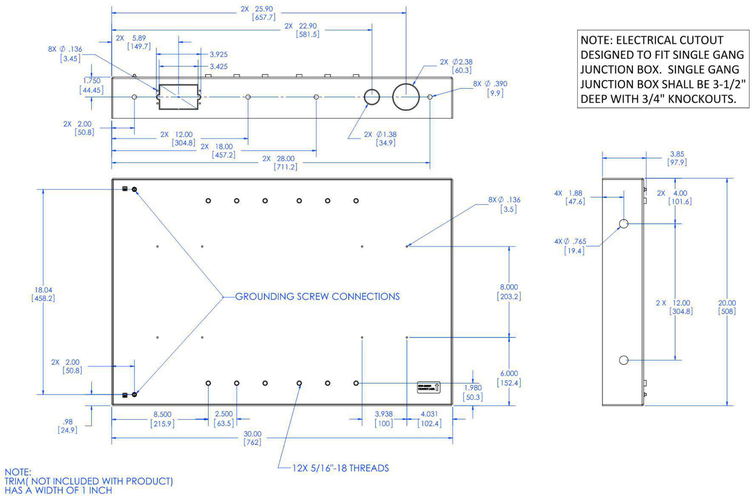
BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: DAJ
PROJECT ARCHITECT: BF
DRAWN BY: Author

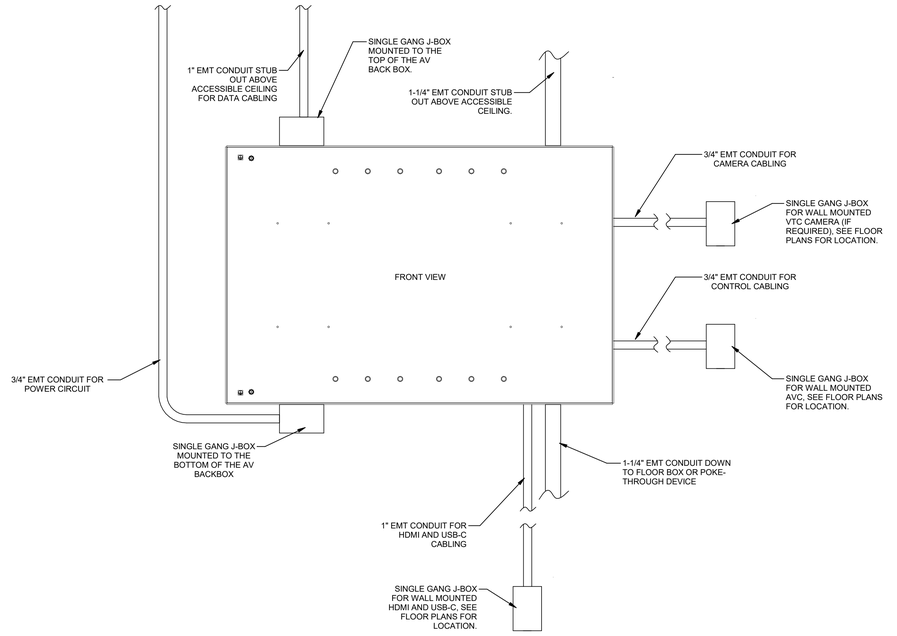
SHEET TITLE:
AUDIO VISUAL - DETAILS

SHEET NO. TA502
PROJ. NO. 024370.00

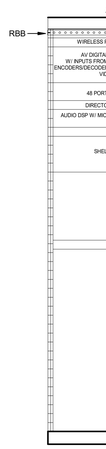


NOTE: ELECTRICAL CUTOUT DESIGNED TO FIT SINGLE GANG JUNCTION BOX. SINGLE GANG JUNCTION BOX SHALL BE 3-1/2" DEEP WITH 3/4" KNOCKOUTS.

10 CHIEF RECESSED TV BOX DETAIL
NTS



9 TYPICAL AV DISPLAY BACK BOX ROUGH-IN DETAIL
NTS



GENERAL NOTES:

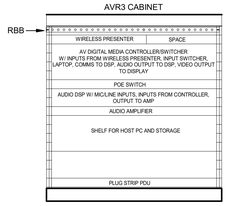
A. PROVIDE 1RU RACK BONDING BUSBAR.

B. PROVIDE 45 RU 2 POST RACK WITH 6" WIDE, 10" DEEP VERTICAL CABLE MANAGEMENT.

C. PROVIDE 1 RU, 120V, 15A, (10) NEMA 5-15 OUTLET PDU.

D. AVR2 RACK WILL BE A SPARE.

8 AVR1 - RACK ELEVATION
NTS



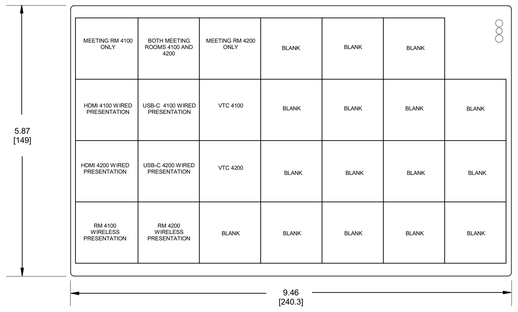
GENERAL NOTES:

A. PROVIDE 1RU RACK BONDING BUSBAR.

B. PROVIDE 18-RU WALL MOUNTED DUAL HINGE CABINET WITH SMOKE GLASS DOOR AND COOLING FANS.

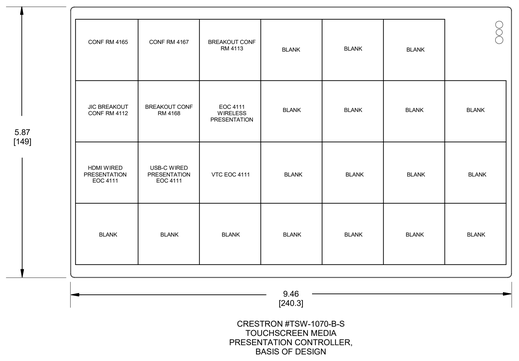
C. PROVIDE 1 RU, 120V, 15A, (10) NEMA 5-15 OUTLET PDU.

7 AVR3 - RACK ELEVATION
NTS



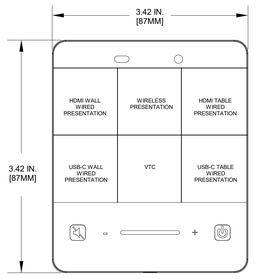
CRESTRON #TSW-1070-B-S
TOUCHSCREEN MEDIA
PRESENTATION CONTROLLER,
BASIS OF DESIGN

6 AVC4 TOUCHSCREEN MENU - LARGE MEETING ROOMS
NTS



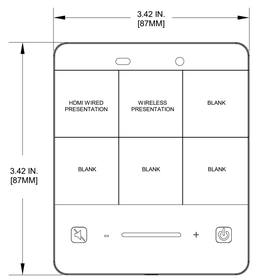
CRESTRON #TSW-1070-B-S
TOUCHSCREEN MEDIA
PRESENTATION CONTROLLER,
BASIS OF DESIGN

5 AVC5 TOUCHSCREEN MENU - EOC 4111
NTS



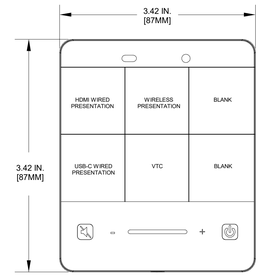
CRESTRON #MPC4-201-B MEDIA
PRESENTATION CONTROLLER, BASIS
OF DESIGN

4 AVC 6 BUTTON MENU - DETAIL
NTS



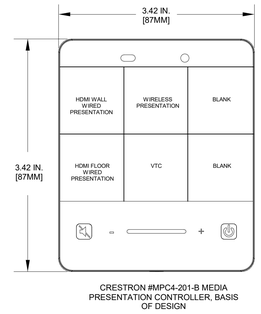
CRESTRON #MPC4-201-B MEDIA
PRESENTATION CONTROLLER, BASIS
OF DESIGN

3 AVC 3 BUTTON MENU - DETAIL
NTS



CRESTRON #MPC4-201-B MEDIA
PRESENTATION CONTROLLER, BASIS
OF DESIGN

2 AVC 2 BUTTON MENU - DETAIL
NTS



CRESTRON #MPC4-201-B MEDIA
PRESENTATION CONTROLLER, BASIS
OF DESIGN

1 AVC 1 BUTTON MENU - DETAIL
NTS

mcmillan pazdan smith
ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: DAJ
PROJECT ARCHITECT: BF
DRAWN BY: Author

SHEET TITLE:
AUDIO VISUAL - DETAILS

SHEET NO. TA503
PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALL COPIES ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION OF SUCH OF THIS PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED
Autodesk Docs://25042 BC Brunswick County Health & Human Services/25042_Brunswick_HHS_Technology_R23.rvt
2/6/2026 8:58:37 AM Author

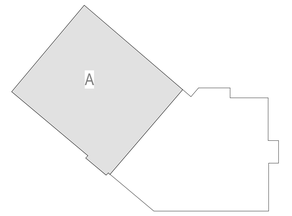


1 SECURITY - LEVEL 1 FLOOR PLAN - AREA A
SCALE 1/8" = 1'-0"

KEYED NOTES

1. CARD READER MOUNTED ON PEDESTAL.

KEY PLAN



PROJECT NORTH

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED FOR ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR STORED, ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	Review Comments 1

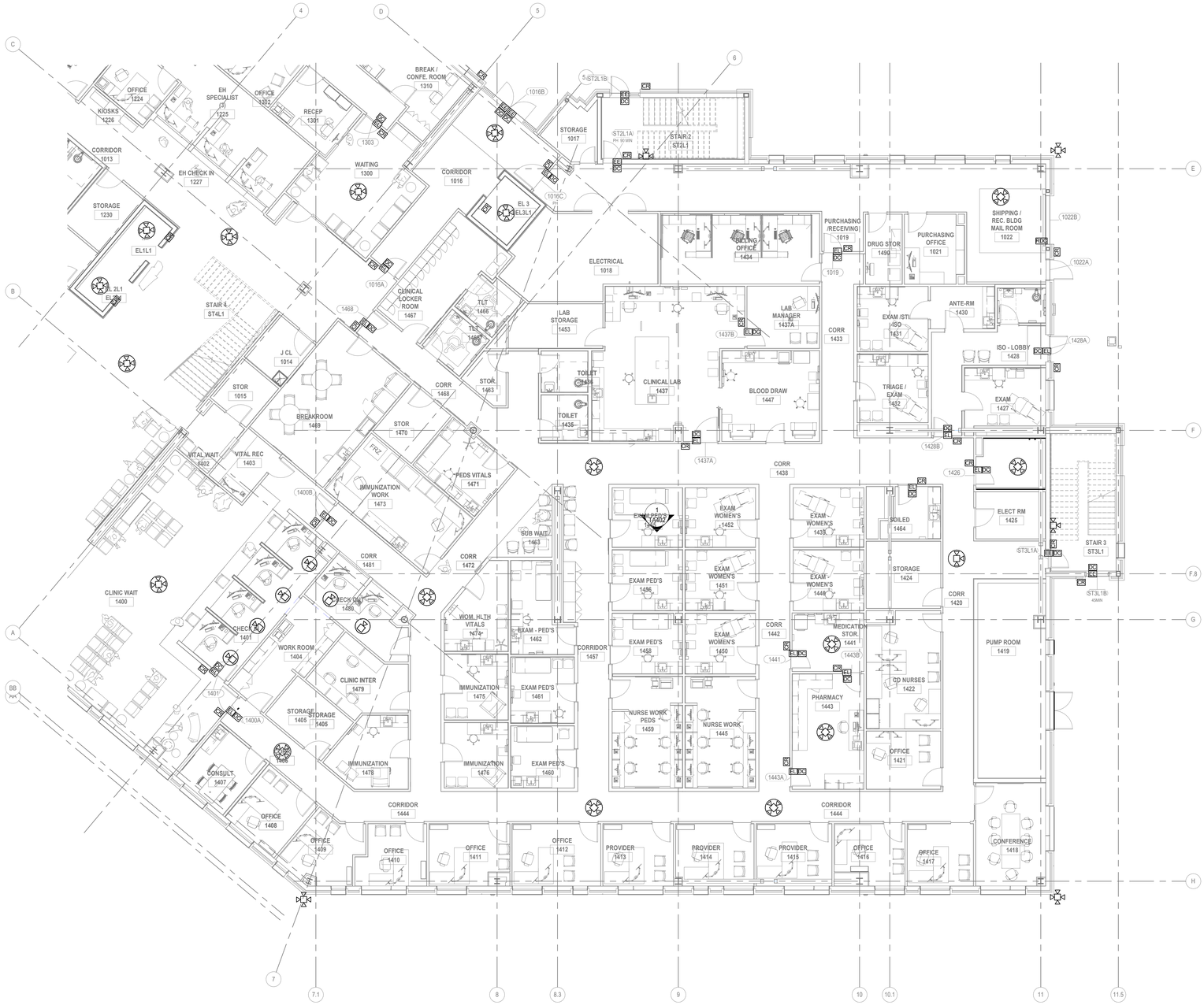
PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
SECURITY - LEVEL 1 FLOOR PLAN - AREA A

SHEET NO. TY101A

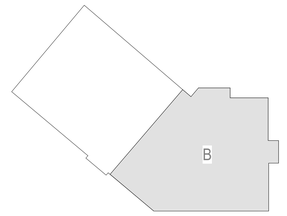
PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED



1 SECURITY - LEVEL 1 FLOOR PLAN - AREA B
SCALE 1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

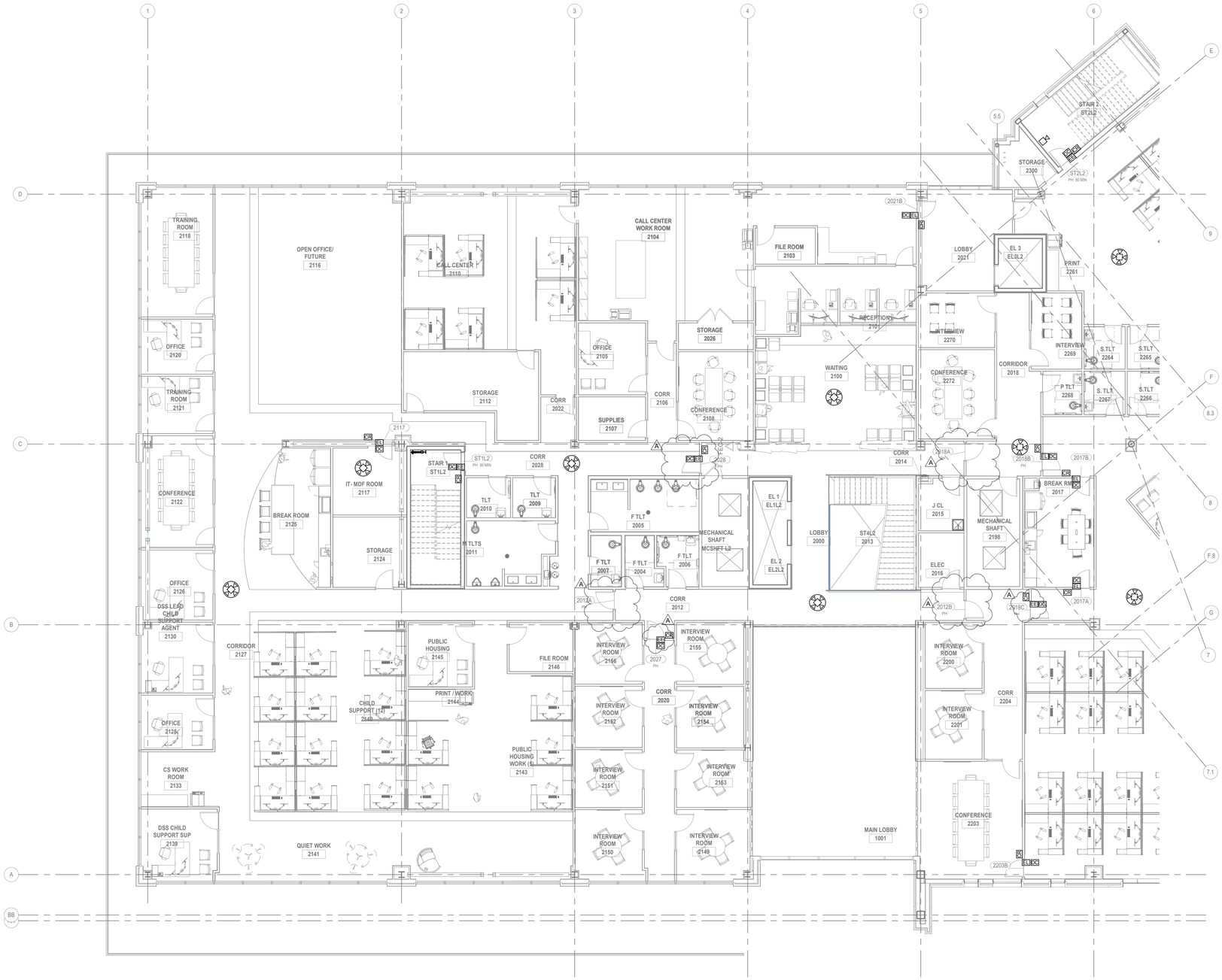
PRINCIPAL IN CHARGE: DAJ
PROJECT ARCHITECT: BF
DRAWN BY: Author

SHEET TITLE:

SECURITY - LEVEL 1 FLOOR PLAN - AREA B

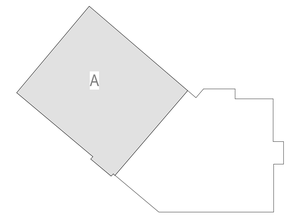
SHEET NO. TY101B

PROJ. NO. 024370.00



1 SECURITY - LEVEL 2 FLOOR PLAN - AREA A
SCALE 1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	Review Comments 1

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
SECURITY - LEVEL 2 FLOOR PLAN - AREA A

SHEET NO.
PROJ. NO. 024370.01

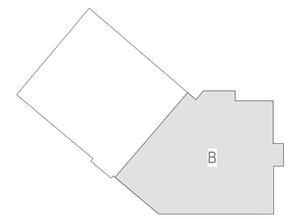
TY102A

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY IN THE EXECUTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ESTORED, ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OF THIS PROJECT AND WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH ALL RIGHTS RESERVED



1 SECURITY - LEVEL 2 FLOOR PLAN - AREA B
SCALE 1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: DAJ
PROJECT ARCHITECT: BF
DRAWN BY: Author

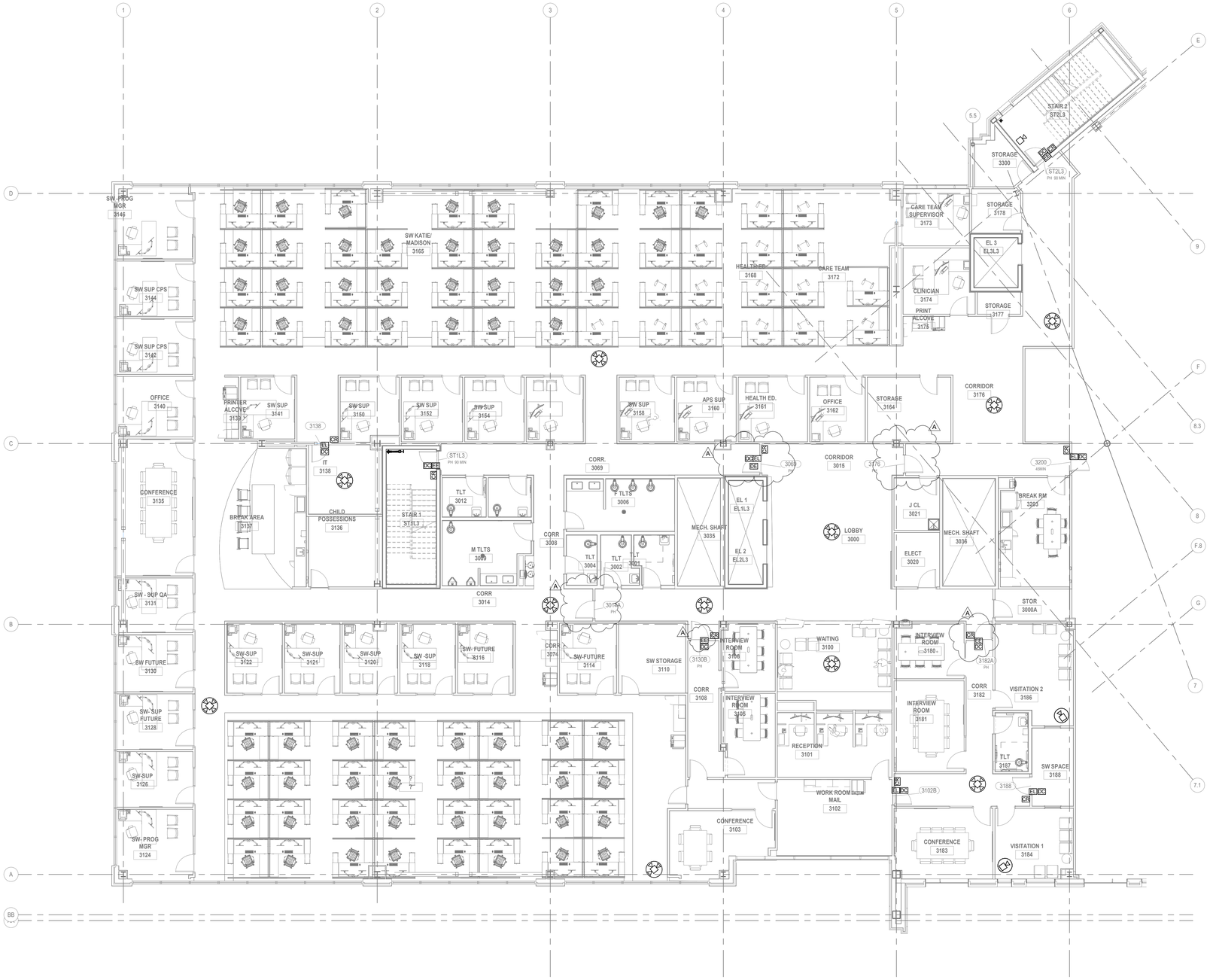
SHEET TITLE:

SECURITY - LEVEL 2 FLOOR PLAN - AREA B

SHEET NO. TY102B

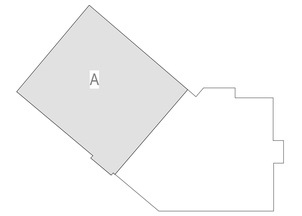
PROJ. NO. 024370.00

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED FOR ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATELY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED



1 SECURITY - LEVEL 3 FLOOR PLAN - AREA A
SCALE 1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	Review Comments 1

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

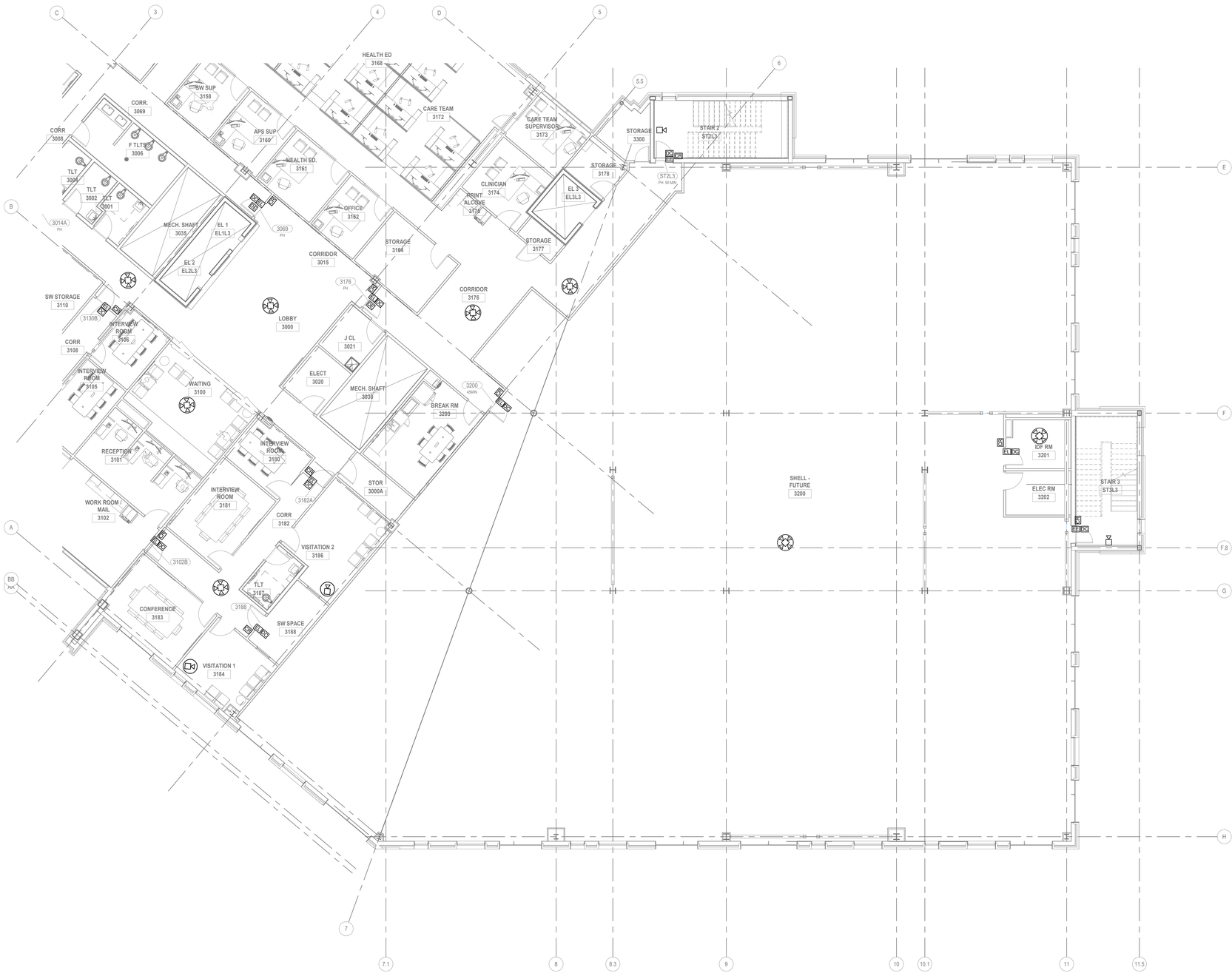
SHEET TITLE:

SECURITY - LEVEL 3 FLOOR PLAN - AREA A

SHEET NO. TY103A

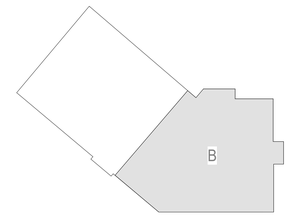
PROJ. NO. 024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR STORED, AT COMPLETION OF THE PROJECT, TO MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ON THIS PROJECT ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR STORED, AT COMPLETION OF THE PROJECT, TO MCMILLAN PAZDAN SMITH ARCHITECTURE. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE'S COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED



1 SECURITY - LEVEL 3 FLOOR PLAN - AREA B
SCALE 1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: DAJ
PROJECT ARCHITECT: BF
DRAWN BY: Author

SHEET TITLE:
SECURITY - LEVEL 3 FLOOR PLAN - AREA B

SHEET NO. TY103B

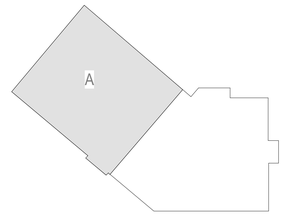
PROJ. NO. 024370.00

4/2/2026 2:57:23 PM Autodesk Docs://TY104A-BI_Brunswick County Health & Human Services/TY104A_Brunswick County Health & Human Services_Revit_Technology_2024.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED WITH ANY OTHER PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ALTERNATIVELY, ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH'S COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH.
ALL RIGHTS RESERVED



1 SECURITY - LEVEL 4 FLOOR PLAN - AREA A
SCALE 1/8" = 1'-0"

KEY PLAN



PROJECT NORTH

mcmillan pazdan smith
ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	Review Comments 1

PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
SECURITY - LEVEL 4 FLOOR PLAN - AREA A

SHEET NO.
TY104A

PROJ. NO.
024370.01

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE MATERIALS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND NOT TO BE USED WITH ANY OTHER PROJECT, WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF MCMILLAN PAZDAN SMITH ARCHITECTURE OR OTHERS' COMMON LAW COPYRIGHT OR OTHER RESERVED RIGHTS. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH. ALL RIGHTS RESERVED



1 SECURITY - LEVEL 4 FLOOR PLAN - AREA B
SCALE 1/8" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

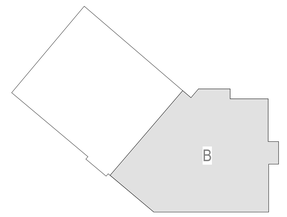
BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	04/02/2026	Review Comments 1

KEY PLAN



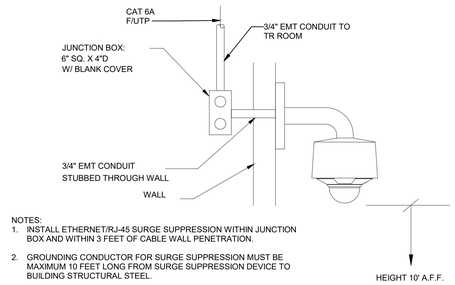
PRINCIPAL IN CHARGE: M. SHEWARD
PROJECT ARCHITECT: L. HOWELL
DRAWN BY: Author

SHEET TITLE:
SECURITY - LEVEL 4 FLOOR PLAN - AREA B

SHEET NO. TY104B
PROJ. NO. 024370.01

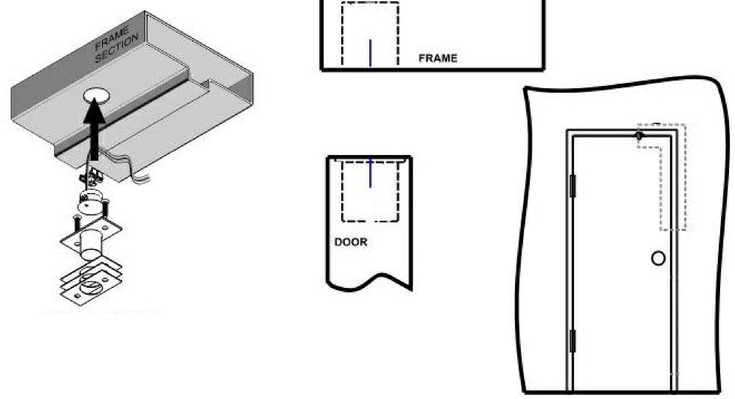
PROJECT NORTH

ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE DOCUMENTS ARE NOT TO BE CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY, WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. IN THE EVENT OF UNAUTHORIZED REUSE OF THESE DOCUMENTS BY ANY THIRD PARTY, THE USER WILL HOLD HARMLESS AND INDEMNIFY MCMILLAN PAZDAN SMITH ARCHITECTURE FOR ANY AND ALL LIABILITY AND LOSS ARISING FROM SUCH REUSE. ANY MODIFICATION OF THESE DOCUMENTS WITHOUT THE WRITTEN VERIFICATION OR APPROVAL OF MCMILLAN PAZDAN SMITH ARCHITECTURE SHALL RENDER THEM INVALID AND UNUSABLE FOR ANY PURPOSE WHATSOEVER.
PLOTTED: 2/6/2026 8:42:33 AM Autodesk Docs://PDX/TDS Bl...Brunswick County Health & Human Services/BCHS_Brunswick_HHS_Technology_R21.rvt
ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE. THESE DOCUMENTS ARE NOT TO BE CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY, WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF MCMILLAN PAZDAN SMITH ARCHITECTURE. IN THE EVENT OF UNAUTHORIZED REUSE OF THESE DOCUMENTS BY ANY THIRD PARTY, THE USER WILL HOLD HARMLESS AND INDEMNIFY MCMILLAN PAZDAN SMITH ARCHITECTURE FOR ANY AND ALL LIABILITY AND LOSS ARISING FROM SUCH REUSE. ANY MODIFICATION OF THESE DOCUMENTS WITHOUT THE WRITTEN VERIFICATION OR APPROVAL OF MCMILLAN PAZDAN SMITH ARCHITECTURE SHALL RENDER THEM INVALID AND UNUSABLE FOR ANY PURPOSE WHATSOEVER. COPYRIGHT 2021 MCMILLAN PAZDAN SMITH.
ALL RIGHTS RESERVED

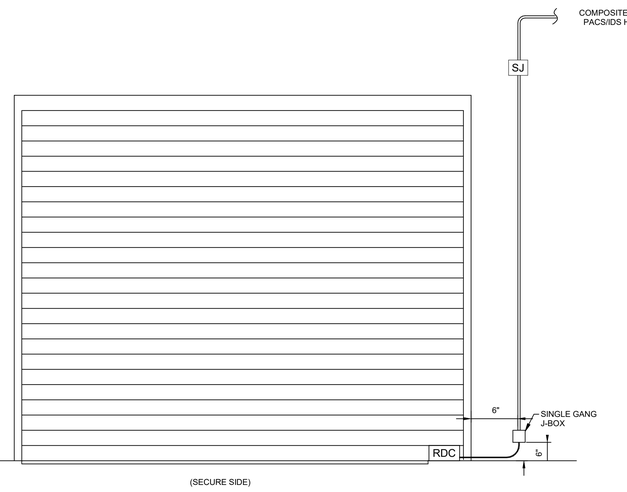


NOTES:
1. INSTALL ETHERNET/RJ-45 SURGE SUPPRESSION WITHIN JUNCTION BOX AND WITHIN 3 FEET OF CABLE WALL PENETRATION.
2. GROUNDING CONDUCTOR FOR SURGE SUPPRESSION MUST BE MAXIMUM 10 FEET LONG FROM SURGE SUPPRESSION DEVICE TO BUILDING STRUCTURAL STEEL.

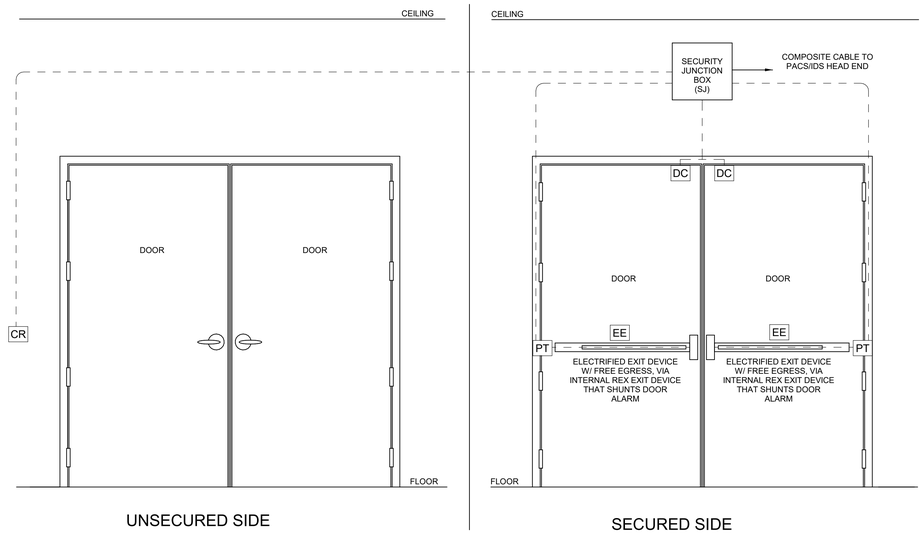
6 TY - WALL MOUNTED CAMERA DETAIL
NTS



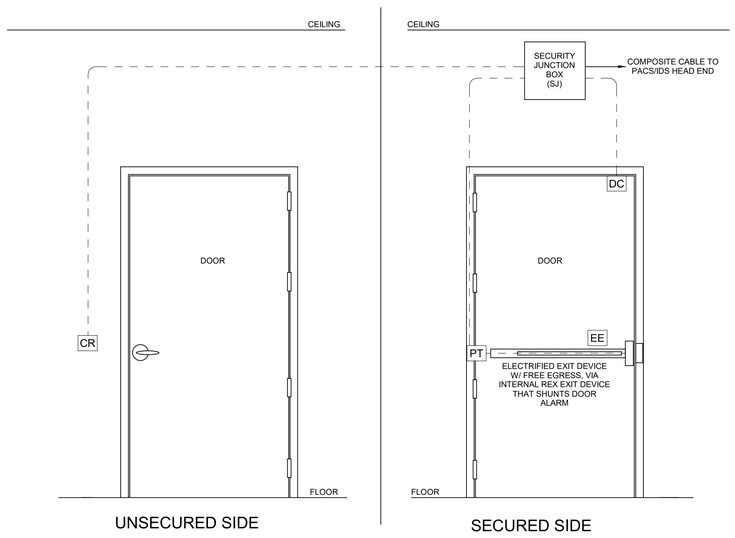
5 TY - RECESS BMS MOUNTING - DETAIL
NTS



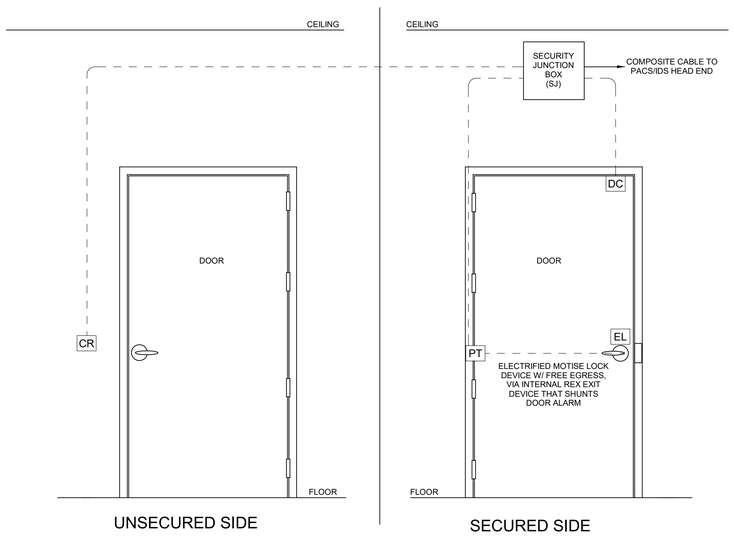
4 OVERHEAD DOOR ELEVATION
NTS



3 DOUBLE DOOR - W/CR & ELECTRIFIED EXIT DEVICE
NTS



2 SINGLE DOOR - W/CR & ELECTRIC EXIT DEVICE
NTS



1 SINGLE DOOR - W/CR & ELECTRIFIED MORTISE LOCK DEVICE
NTS

mcmillan pazdan smith
ARCHITECTURE

EDIFICE CONSTRUCTION

QUALITY CONSULTING ENGINEERS
6277-600 CAROLINA COMMONS DR, #350
INDIAN LAND, SC 29707
djones@qualityconsultingengineers.com
803.207.5450
QCE ENGINEERING LICENSE #P-1184
QCE PROJECT NO.: 25042

BRUNSWICK COUNTY HEALTH & HUMAN SERVICES

ISSUE DATE: 02/06/2026
PHASE: PERMIT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: DAJ
PROJECT ARCHITECT: BF
DRAWN BY: Author

SHEET TITLE:
SECURITY - DETAILS

SHEET NO. TY501
PROJ. NO. 024370.00