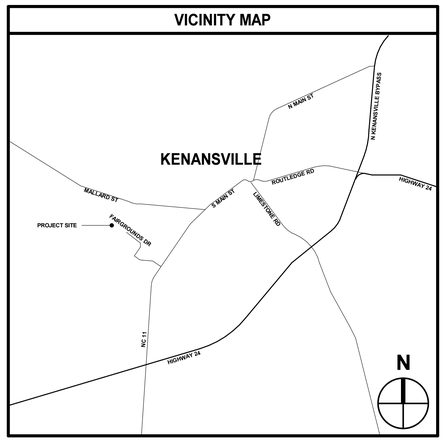
BID DOCUMENTS

DUPLIN COUNTY DETENTION CENTER



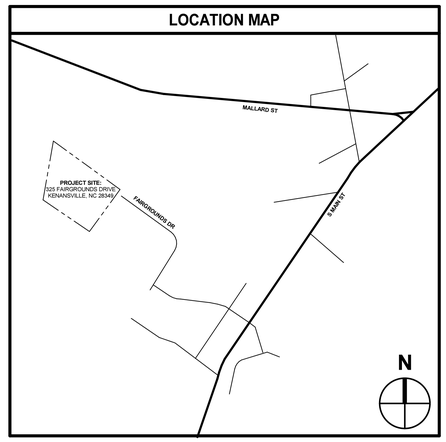
DUPLIN COUNTY
KENANSVILLE, NC

DHSR# - J-378 / FID# 230464

MOSELEYARCHITECTS

6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754

MOSELEYARCHITECTS.COM



WITHERSRAVENEL		CIVIL-SITE ENGINEERING
115 MacKenan Drive		Cary, NC
FOODESIGN ASSOCIATES		FOOD & LAUNDRY SERVICE
615 College Street		Charlotte, NC

DRAWING INDEX

	COVER
GENERAL	
G1.1	SECURITY WALL FLOOR PLANS
G1.2	INTEGRATED MOCKUP PANEL
G2.1	GENERAL INFORMATION - AIR BARRIER
LIFE SAFETY	
LS1.0	CODE SUMMARY - BUILDING A
LS1.2	CODE SUMMARY - BUILDING B
LS2.0	LIFE SAFETY INFORMATION - BASE BID
LS2.1	LIFE SAFETY INFORMATION - ADD ALT
LS2.2	LIFE SAFETY INFORMATION
LS2.3	ENLARGED AREA REFLECTED CEILING PLANS - FIRE PROTECTION
LS3.0	OCCUPANCY SCHEDULES
LS3.1	OCCUPANCY SCHEDULE
LS3.2	FIRE RATED ASSEMBLIES
LS3.3	FIRE RATED ASSEMBLIES
CIVIL	
C0.00	COVER
C0.01	GENERAL NOTES
C1.00	OVERALL EXISTING CONDITIONS
C1.01	EXISTING CONDITIONS
C1.10	TREE PRESERVATION PLAN
C2.00	OVERALL SITE PLAN
C2.01	DETAILED SITE PLAN
C2.02	FIRE APPARATUS PLAN
C3.00	GRADING AND STORM DRAINAGE PLAN
C4.00	OVERALL UTILITY PLAN
C4.01	UTILITY PLAN
C4.02	SANITARY PLAN & PROFILE
C4.03	SANITARY PLAN & PROFILE
C4.04	DRIVE EXTENTION PLAN AND PROFILE
C5.00	SITE DETAILS
C5.01	SANITARY SEWER DETAILS
C5.02	WATER DETAILS
C5.03	STORMWATER DETAILS
C6.00	OVERALL EROSION CONTROL PLAN (STAGE 1)
C6.01	EROSION CONTROL PLAN (STAGE 1)
C6.02	OVERALL EROSION CONTROL PLAN (STAGE 2)
C6.03	EROSION CONTROL PLAN (STAGE 2)
C7.01	EROSION CONTROL NOTES & DETAILS
C7.02	NCG-01 NOTES AND DETAILS
L1.00	LANDSCAPE PLAN
L2.00	LANDSCAPE DETAILS
SL1.00	LIGHTING EXHIBIT
ARCHITECTURAL	
A0.1	GENERAL ARCHITECTURAL INFORMATION
A0.2	WALL/PARTITION TYPES, WALL JOINTS AND TERMINATIONS
A1.1.1	ARCHITECTURAL SITE PLAN
A1.1.2	SITE DETAILS
A1.1.3	FENCE DETAILS
A2.0.1	OVERALL FLOOR PLAN - BASE BID
A2.0.2	OVERALL FLOOR PLAN - ADD ALTERNATE
A2.0.3	OVERALL FLOOR PLAN - TIER LEVEL - ADD ALTERNATE
A2.1.0	FLOOR PLAN - PART A
A2.2.0	FLOOR PLAN - PART BE - LEVEL ONE - BASE BID
A2.2.1	FLOOR PLAN - PART BE - TIER LEVEL - BASE BID
A2.2.2	FLOOR PLAN - PART BW - LEVEL ONE - BASE BID
A2.2.3	FLOOR PLAN - PART BW - TIER LEVEL - BASE BID
A2.3.1	FLOOR PLAN - PART C - LEVEL ONE - ADD ALT.
A2.3.2	FLOOR PLAN - PART C - TIER LEVEL - ADD ALT.
A2.4	DIMENSION PLAN - PART A
A2.5	DIMENSION PLAN - PART BE - LEVEL ONE - BASE BID
A2.6	DIMENSION PLAN - PART BE - TIER LEVEL - BASE BID
A2.7	DIMENSION PLAN - PART BW - LEVEL ONE - BASE BID
A2.8	DIMENSION PLAN - PART BW - TIER LEVEL - BASE BID
A2.9	DIMENSION PLAN - PART C - LEVEL ONE - ADD ALT.
A2.10	DIMENSION PLAN - PART C - TIER LEVEL - ADD ALT
A2.20	PLAN DETAILS
A3.0.1	FINISH SCHEDULE
A3.0.2	FINISH SCHEDULE
A3.0.3	INTERIOR-EXTERIOR SIGNAGE
A3.1.1	DOOR AND FRAME SCHEDULE
A3.1.3	WINDOW, DOOR, AND LOUVER DETAILS
A3.2.1	DOOR AND FRAME DETAILS
A3.3.1	DETENTION DOOR & WINDOW SCHEDULES
A3.3.2	DETENTION DOOR, FRAME AND GLAZING TYPES
A3.4.1	DETENTION DOOR, FRAME AND FRAME DETAILS
A4.1.1	BUILDING ELEVATIONS
A4.1.2	BUILDING ELEVATIONS
A4.2.1	INTERIOR ELEVATIONS
A5.1.1	WALL SECTIONS
A5.1.2	WALL SECTIONS
A5.1.3	WALL SECTIONS
A5.1.4	WALL SECTIONS
A5.2.1	WALL SECTION DETAILS
A5.2.2	WALL SECTION DETAILS
A6.1.1	ENLARGED STAIR & RAMP DETAILS
A7.1.1	TOILET ASSEMBLIES, SCHEDULE & ENLARGED PLANS
A7.1.2	ENLARGED PLANS
A7.1.3	ENLARGED PLANS
A7.2.1	DETENTION EQUIPMENT DETAILS
A8.1	CASEWORK AND ELEVATIONS
A9.1.1	REFLECTED CEILING PLAN - FIRST FLOOR - PART A
A9.1.2	REFLECTED CEILING PLAN - FIRST FLOOR - PART B -BASE BID
A9.1.3	REFLECTED CEILING PLAN - FIRST FLOOR - PART C - ADD ALT
A9.1.4	REFLECTED CEILING PLAN - TIER LEVEL - PART B -BASE BID
A9.1.5	REFLECTED CEILING PLAN - TIER LEVEL - PART C - ADD ALT
A10.1.1	ROOF PLAN - BASE BID
A10.1.2	ROOF PLAN - ADD ALTERNATE
A10.1.4	ROOF DETAILS
SECURITY	
SE1.1	SECURITY ELECTRONICS SITE PLAN
SE2.1	SECURITY ELECTRONICS FLOOR PLAN - PART A
SE2.2.0	SECURITY ELECTRONICS FLOOR PLAN - PART BE
SE2.2.1	SECURITY ELECTRONICS FLOOR PLAN - PART BE - TIER
SE2.2.2	SECURITY ELECTRONICS FLOOR PLAN - PART BW
SE2.2.3	SECURITY ELECTRONICS FLOOR PLAN - PART BW - TIER
SE2.3	SECURITY ELECTRONICS FLOOR PLAN - ALT PART C
SE3.1	CAMERA SCHEDULE AND DETAILS
SE4.1	SECURITY ELECTRONICS ONE-LINE DIAGRAM
FOOD SERVICE	
FS.01	FOOD SERVICE EQUIPMENT PLAN
FS.02	FOOD SERVICE EQUIPMENT SCHEDULE
FS.03	FOOD SERVICE PLUMBING PLAN
FS.04	FOOD SERVICE ELECTRICAL PLAN
FS.05	FOOD SERVICE COLD STORAGE DETAILS
FS.06	FOOD SERVICE EQUIPMENT DETAILS
STRUCTURAL	
S0.0.1	GENERAL NOTES AND LEGENDS
S0.0.2	SPECIAL INSPECTION FORMS
S1.1.1	FOUNDATION PLAN - PART A
S1.1.2	FOUNDATION PLAN - PART BE - BASE BID
S1.1.3	FOUNDATION PLAN - PART BW - BASE BID
S1.1.4	FOUNDATION PLAN - PART C - ADD ALT.
S1.2.1	SLAB ON GRADE - CONTROL JOINT PLAN - BASE BID
S1.2.2	SLAB ON GRADE - CONTROL JOINT PLAN - ADD ALT.
S2.1.1	TIER LEVEL FRAMING PLAN - PART BE - BASE BID
S2.1.2	TIER LEVEL FRAMING PLAN - PART BW - BASE BID
S2.1.3	TIER LEVEL FRAMING PLAN - PART C - ADD ALT.
S2.2.1	LOW ROOF FRAMING PLAN - PART A
S2.2.2	HIGH ROOF FRAMING PLAN - PART BE - BASE BID
S2.2.3	HIGH ROOF FRAMING PLAN - PART BW - BASE BID
S2.2.4	HIGH ROOF FRAMING PLAN - PART C - ADD ALT.
S3.0.1	TYPICAL FOUNDATION DETAILS
S3.0.2	TYPICAL SLAB DETAILS
S3.1.1	FOUNDATION SECTIONS
S4.0.1	TYPICAL MASONRY WALL AND LINTEL DETAILS
S4.0.2	TYPICAL FRAMING DETAILS
S4.1.1	FRAMING SECTIONS
S4.1.2	FRAMING SECTIONS
S4.1.3	FRAMING SECTIONS
S4.1.4	FRAMING SECTIONS
S5.1.1	PORTAL PLANS, ELEVATIONS, AND SECTIONS
S5.1.2	REC YARD FRAME ELEVATION
PLUMBING	
P0.1	LEGENDS, ABBREVIATIONS AND GENERAL NOTES
P2.0.1	FOUNDATION PLAN - PLUMBING - PART A
P2.0.2	FOUNDATION PLAN - PLUMBING - PART BE
P2.0.3	FOUNDATION PLAN - PLUMBING - PART BW
P2.0.4	FOUNDATION PLAN - PLUMBING - PART C - ADD ALTERNATE
P2.1.1	FIRST FLOOR PLAN - SANITARY - PART A
P2.1.2	FIRST FLOOR PLAN - SANITARY - PART BE
P2.1.3	FIRST FLOOR PLAN - SANITARY - PART BW
P2.1.4	FIRST FLOOR PLAN - SANITARY - PART C - ADD ALTERNATE
P2.2.1	FIRST FLOOR PLAN - DOMESTIC - PART A
P2.2.2	FIRST FLOOR PLAN - DOMESTIC - PART BE
P2.2.3	FIRST FLOOR PLAN - DOMESTIC - PART BW
P2.2.4	FIRST FLOOR PLAN - DOMESTIC - PART C - ADD ALTERNATE
P2.3.1	TIER LEVEL - SANITARY - PART BE
P2.3.2	TIER LEVEL - SANITARY - PART BW
P2.3.3	TIER LEVEL - SANITARY - PART C - ADD ALTERNATE
P2.4.1	TIER LEVEL - DOMESTIC - PART BE
P2.4.2	TIER LEVEL - DOMESTIC - PART BW
P2.4.3	TIER LEVEL - DOMESTIC - PART C - ADD ALTERNATE
P3.0.1	ROOF PLAN - PLUMBING
P3.0.2	ROOF PLAN - PLUMBING - ADD ALTERNATE
P4.1	ENLARGED PLANS
P4.2	ENLARGED PLANS - KITCHEN
P4.2.1	RISER DIAGRAM - KITCHEN
P4.3	ENLARGED PLANS - TYPICAL HOUSING
P4.3.1	RISER DIAGRAMS - TYPICAL HOUSING
P4.4	ENLARGED PLANS - SEGREGATION HOUSING (TYPICAL)
P4.6	STORM RISER DIAGRAM
P4.7	NATURAL GAS RISER DIAGRAM
P5.1	PLUMBING DETAILS
P5.2	PLUMBING DETAILS
P5.3	PLUMBING DETAILS
P6.1	SCHEDULES
FIRE PROTECTION	
FP0.1	LEGENDS, ABBREVIATIONS AND GENERAL NOTES
FP2.2.1	LEVEL 1 FLOOR PLAN - FIRE SPRINKLER - PART A
FP2.2.2	LEVEL 1 FLOOR PLAN - FIRE SPRINKLER - PART B
FP2.2.3	LEVEL 1 FLOOR PLAN - FIRE SPRINKLER - ADD ALTERNATE - PART C
FP2.3.1	TIER LEVEL FLOOR PLAN - FIRE SPRINKLER - PART B
FP2.3.2	TIER LEVEL FLOOR PLAN - FIRE SPRINKLER - ADD ALTERNATE - PART C
MECHANICAL	
M0.1	LEGENDS, ABBREVIATIONS AND GENERAL NOTES
M0.2	SCHEDULES
M0.3	SCHEDULES
M2.1.1	FIRST FLOOR DUCTWORK PLAN - PART A
M2.1.2	FIRST FLOOR DUCTWORK PLAN - PART BW
M2.1.3	FIRST FLOOR DUCTWORK PLAN - PART BE
M2.1.4	FIRST FLOOR DUCTWORK PLAN - ADD ALTERNATE PART C
M2.2.1	TIER DUCTWORK PLAN - PART BW
M2.2.2	TIER DUCTWORK PLAN - PART BE
M2.2.3	TIER DUCTWORK PLAN - ADD ALTERNATE-2 PART BW
M2.2.4	TIER DUCTWORK PLAN - ADD ALTERNATE-2 PART BE
M2.2.5	TIER DUCTWORK PLAN - ADD ALTERNATE PART C
M2.2.6	TIER DUCTWORK PLAN - ADD ALTERNATE-3 PART C
M2.3.1	MECHANICAL ROOF PLAN - PART A
M2.3.2	MECHANICAL ROOF PLAN - PART B
M2.3.3	MECHANICAL ROOF PLAN - ADD ALTERNATE-2 PART B
M2.3.4	MECHANICAL ROOF PLAN - ADD ALTERNATE PART C
M3.1	ENLARGED PLANS
M3.2	ENLARGED PLANS
M4.1	SECTIONS
M5.1	DETAILS
M5.2	DETAILS
M7.1	CONTROLS
ELECTRICAL	
E0.1	LEGENDS, ABBREVIATIONS AND GENERAL NOTES
E1.0	ELECTRICAL SITE PLAN
E2.1.1.1	FIRST FLOOR PLAN - PART A - LIGHTING
E2.1.1.2	FIRST FLOOR PLAN - PART A - POWER
E2.1.1.3	FIRST FLOOR PLAN - PART A COMMUNICATIONS
E2.1.1.4	FIRST FLOOR PLAN - PART A - MECHANICAL POWER
E2.1.2.1	FIRST FLOOR PLAN - PART BW - LIGHTING
E2.1.2.2	FIRST FLOOR PLAN - PART BW - POWER
E2.1.2.3	FIRST FLOOR PLAN - PART BW COMMUNICATIONS
E2.1.2.4	FIRST FLOOR PLAN - PART BW MECHANICAL POWER
E2.1.3.1	FIRST FLOOR PLAN - PART BE - LIGHTING
E2.1.3.2	FIRST FLOOR PLAN - PART BE - POWER
E2.1.3.3	FIRST FLOOR PLAN - PART BE COMMUNICATIONS
E2.1.3.4	FIRST FLOOR PLAN - PART BE - MECHANICAL POWER
E2.1.4.1	FIRST FLOOR PLAN - PART C - LIGHTING - ADD ALTERNATE
E2.1.4.2	FIRST FLOOR PLAN - PART C - POWER - ADD ALTERNATE
E2.1.4.3	FIRST FLOOR PLAN - PART C COMMUNICATIONS ADD ALTERNATE
E2.2.1.1	TIER FLOOR PLAN - PART BW - LIGHTING
E2.2.1.2	TIER FLOOR PLAN - PART BW - POWER
E2.2.1.3	TIER FLOOR PLAN - PART BW COMMUNICATIONS
E2.2.1.4	TIER FLOOR PLAN - PART BW - MECHANICAL POWER
E2.2.2.1	TIER FLOOR PLAN - PART BE - LIGHTING
E2.2.2.2	TIER FLOOR PLAN - PART BE - POWER
E2.2.2.3	TIER FLOOR PLAN - PART BE COMMUNICATIONS
E2.2.2.4	TIER FLOOR PLAN - PART BE - MECHANICAL POWER
E2.2.3.1	TIER FLOOR PLAN - PART C - LIGHTING - ADD ALTERNATE
E2.2.3.2	TIER FLOOR PLAN - PART C - POWER - ADD ALTERNATE
E2.2.3.3	TIER FLOOR PLAN - PART C COMMUNICATIONS ADD ALTERNATE
E2.2.3.4	TIER FLOOR PLAN - PART C - MECHANICAL POWER ADD ALT
E2.3.1	ROOF PLAN - PART A - ELECTRICAL
E2.3.2	ROOF PLAN - PART B - ELECTRICAL
E2.3.3	ROOF PLAN - PART C- ELECTRICAL- ADD ALTERNATE
E4.1	ELECTRICAL DETAILS
E4.2	ELECTRICAL DETAILS
E5.1	POWER ONE-LINE DIAGRAM
E5.2	ELECTRICAL SCHEDULES
E5.3	ELECTRICAL SCHDULES
LC-1	LIGHTING CALCULATIONS

THE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL.
IN CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

STEVEN J HOPKINS — REGISTERED ARCHITECT — 11547 — NORTH CAROLINA — CHARLOTTE, NC

MOSELEY ARCHITECTS PC — REGISTERED ARCHITECTURAL CORPORATION — 50149 — NORTH CAROLINA — CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER
DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO: 621373
DATE: December 12, 2023

REVISIONS	
DATE	DESCRIPTION

COVER

12/13/2023 9:19:52 AM

BUILDING A - CODE DATA SUMMARY

THIS SUMMARY DOES NOT IDENTIFY ALL APPLICABLE CODE SECTIONS AND IS A SUMMARY OF SELECTED CODE SECTIONS ONLY. CODE SECTIONS NOT IDENTIFIED OR OTHERWISE INDICATED DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO COMPLY WITH APPLICABLE CODES, STANDARDS, AND REGULATIONS TO COMPLETE THE WORK.

BUILDING A
2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2)

Name of Project: Duplin County Detention Center
Address 325 Fairgrounds Drive, Kenansville, North Carolina Zip Code 28349
Owner/Authorized Agent: Duplin County/ Bryan Miller Phone # 910.290.3941 E-Mail bryan.miller@duplincountync.com
Owned By: County
Code Enforcement Jurisdiction: City

CONTACT: Moseley Architects Design Team

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural	Moseley Architects	Steven J. Hopkins	11547	(704) 540-3755	jhopkins@moseleyarchitects.com
Civil	WithersRavenel	Dave Bartone	031365	(919) 535-5200	dbartone@withersravenel.com
Electrical	Moseley Architects	William Cary	024242	(704) 540-3755	wcary@moseleyarchitects.com
Fire Alarm	Moseley Architects	William Cary	024242	(704) 540-3755	wcary@moseleyarchitects.com
Plumbing	Moseley Architects	Justin P. Carlson	033520	(704) 540-3755	jcarlson@moseleyarchitects.com
Mechanical	Moseley Architects	Justin P. Carlson	033520	(704) 540-3755	jcarlson@moseleyarchitects.com
Sprinkler-Standpipe	Moseley Architects	Justin P. Carlson	033520	(704) 540-3755	jcarlson@moseleyarchitects.com
Structural	Moseley Architects	Paul J. Gagnon	045706	(704) 540-3755	pgagnon@moseleyarchitects.com
Other					

("Other" should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)

2018 NC BUILDING CODE: New Building

2018 NC EXISTING BUILDING CODE: N/A N/A N/A
CONSTRUCTED: (date) **CURRENT OCCUPANCY(S)** (Ch. 3): _____
RENOVATED: (date) _____ **PROPOSED OCCUPANCY(S)** (Ch. 3): _____

RISK CATEGORY (Table 1604.5): **Current:** N/A **Proposed:** III

BASIC BUILDING DATA
Construction Type: II-B
Sprinklers: Yes NFPA 13
Standpipes: No
Primary Fire District: No **Flood Hazard Area:** No
Special Inspections Required: Yes (Contact the local inspection jurisdiction for additional procedures and requirements.)

Gross Building Area Table

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	SUB-TOTAL
1ST Floor		14,700 sf	
TOTAL		14,700 sf	

ALLOWABLE AREA

Primary Occupancy Classification(s): Business, I-3 Condition 3 and 4
Accessory Occupancy Classification(s): Storage S-2
Incidental Uses (Table 509):
Special Uses (Chapter 4 – List Code Sections): N/A
Special Provisions: (Chapter 5 – List Code Sections): N/A
Mixed Occupancy: Yes Separation: 1 Hr. Exception: N/A

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]
1	I-3	10,470	40,000	N/A	40,000
1	B	4,230	92,000	N/A	92,000
1					

[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 = _____ (F)
b. Total Building Perimeter = _____ (P)
c. Ratio (F/P) = _____ (F/P)
d. W = Minimum width of public way = _____ (W)
e. Percent of frontage increase $I_f = 100[F/P - 0.25] \times W/30$ = _____ (%)
[2] Unlimited area applicable under conditions of Section 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 (ABOVE GRADE)	SHOWN ON PLANS	CODE REFERENCE [1]
Building Height in Feet (Table 504.3) [2]	75	28	N/A
Building Height in Stories (Table 504.4) [3]	2	1	N/A

[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
RATED UL ASSEMBLIES LISTED ON SHEET #: LS3.2, LS3.3

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	RATING PROVIDED (W/ * REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	SHEET # FOR RATED PENETRATION	SHEET # FOR RATED JOINTS
Primary Structural Frame, including columns, girders, trusses	GREATER THAN 30'	0 HR	0 HR	N/A	N/A	N/A	N/A
Bearing Walls		0 HR	0 HR	N/A	N/A	N/A	N/A
Exterior		--	--	--	--	--	--
North		--	--	--	--	--	--
East		--	--	--	--	--	--
West		--	--	--	--	--	--
South		--	--	--	--	--	--
Interior		0 HR	0 HR	N/A	N/A	N/A	N/A
Nonbearing Walls and Partitions Exterior walls	GREATER THAN 30'	0 HR	0HR	N/A	N/A	N/A	N/A
North		--	--	--	--	--	--
East		--	--	--	--	--	--
West		--	--	--	--	--	--
South		--	--	--	--	--	--
Interior walls and partitions		0 HR	0 HR	N/A	N/A	N/A	N/A
Floor Construction Including supporting beams and joists		0 HR	0 HR	N/A	N/A	N/A	N/A
Roof Construction, including supporting beams and joists		0 HR	0 HR	N/A	N/A	N/A	N/A
Shaft Enclosures - Exit		N/A	N/A	N/A	N/A	N/A	N/A
Shaft Enclosures - Other		N/A	N/A	N/A	N/A	N/A	N/A
Corridor Separation		1 HR	1 HR	X1/ LS3.2	U905	C-AJ-5069	HW-D-0030
Occupancy/Fire Barrier Separation		1 HR	1 HR	X1/ LS3.2	U905	C-AJ-5069	HW-D-0030
Party/Fire Wall Separation		2 HR	2 HR	X1/ LS3.2	U905	C-AJ-5069	HW-D-0030
Smoke Barrier Separation		1 HR	1 HR	X1/ LS3.2	U905	C-AJ-5069	HW-D-0030
Smoke Partition		N/A	N/A	N/A	N/A	N/A	N/A
Tenant/Dwelling Unit/ Sleeping Unit Separation		N/A	N/A	N/A	N/A	N/A	N/A
Incidental Use Separation		1 HR	1 HR	X1/ LS3.2	U905	C-AJ-5069	HW-D-0030

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
Greater than 30'	UP,S	No limit	N/A

2018 NC Administrative Code and Policies

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: Yes - Sheets E1.0, E2.1.1.1, E2.1.2.1, E2.1.3.1, E2.1.4.1, E2.2.1.1, E2.2.2.1, E2.2.3.1
Exit Signs: Yes - Sheets E2.1.1.1, E2.1.3.1, E2.2.2.1, E2.1.2.1, E2.2.1.1, E2.1.4.1, E2.2.3.1
Fire Alarm: Yes - Sheets E2.1.1.3, E2.1.2.3, E2.1.3.3, E2.1.4.3, E2.2.1.3, E2.2.2.3, E2.2.3.3, E4.1, E4.2, E5.3
Smoke Detection Systems: Yes - Sheet E4.2
Carbon Monoxide Detection: No

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: LS2.0, LS2.1, LS2.2, LS2.3

- ☒ Fire and/or smoke rated wall locations (Chapter 7)
- ☒ Assumed and real property line locations (if not on the site plan)
- ☐ Exterior wall opening area with respect to distance to assumed property lines (705.8)
- ☒ Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
- ☒ Occupant loads for each area
- ☒ Exit access travel distances (1017)
- ☒ Common path of travel distances (Tables 1006.2.1 & 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 DWELLING UNITS
(SECTION 1107)

TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED
N/A							

ACCESSIBLE PARKING
(SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES REQUIRED	TOTAL # OF PARKING SPACES PROVIDED	# OF ACCESSIBLE SPACES PROVIDED REGULAR WITH 5' ACCESS AISLE	# OF ACCESSIBLE SPACES PROVIDED VAN SPACES WITH 132" ACCESS AISLE	# OF ACCESSIBLE SPACES PROVIDED VAN SPACES WITH 8' ACCESS AISLE	TOTAL # ACCESSIBLE PROVIDED
Public						
Staff						
TOTAL						

PLUMBING FIXTURE REQUIREMENTS
(TABLE 2902.1)

USE		WATER CLOSETS MALE	WATER CLOSETS FEMALE	WATER CLOSETS UNISEX	URINALS	LAVATORIES MALE	LAVATORIES FEMALE	LAVATORIES UNISEX	SHOWERS /TUBS	DRINKING FOUNTAINS REGULAR	DRINKING FOUNTAINS ACCESSIBLE
SPACE											
	Required										
	Provided										

* Note: 2 service sinks are required by code. 2 service sinks provided.

SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below)

City of Goldsboro; NC DHSR; NC DOI

BUILDING A PLUMBING FIXTURE REQUIRMENTS

REFER TO DRAWING LS2.3 & LS3.4 FOR OCCUPANCY COUNTS
INMATE PLUMBING COUNTS PROVIDED UNDER NC DHSR JAIL STANDARDS (HOLDING & BOOKING AREAS) OCCUPANTS. "I3" OCCUPANCY.

TOILETS (NON-INMATE STAFF)
MALE WATER CLOSETS = 2
FEMALE WATER CLOSETS = 2
UNISEX WATER CLOSETS = 5
MALE LAVITORIES = 2
FEMALE LAVITORIES = 2
UNISEX LAVITORIES = 5
DRINKING FOUNTAINS = 2

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: Select one

Exempt Building: No Provide code or statutory reference:

Climate Zone: 3A

Method of Compliance: Energy Code - Prescriptive
(If "Other" specify source here)_____

THERMAL ENVELOPE (Prescriptive method only)

Roof/ceiling Assembly (each assembly)
Description of assembly: RA1 on drawing A10.1
U-Value of total assembly: 0.04
R-Value of insulation: R-25ci
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: WA assemblies on A5.1.1
U-Value of total assembly: 0.132 Mass;
R-Value of insulation: R-7.6ci Mass;
Openings (windows or doors with glazing)
U-Value of assembly: 0.50
Solar heat gain coefficient: 0.25
projection factor: 0
Door R-Values: R-2

Walls below grade (each assembly)
Description of assembly: WA assemblies on A5.1.1
U-Value of total assembly: 0.133
R-Value of insulation: R-7.5ci

Floors over unconditioned space (each assembly)
Description of assembly: N/A
U-Value of total assembly: .
R-Value of insulation: .

Floors slab on grade
Description of assembly: Concrete slab on grade
U-Value of total assembly: 0.067
R-Value of insulation: R-15
Horizontal/vertical requirement: 24"
slab heated: NA

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
STRUCTURAL DESIGN
(PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)

DESIGN LOADS:

Importance Factors: Snow (I_S) 1.1
Seismic (I_E) 1.25

Live Loads: Roof 20psf
Tier 40psf
Floor 100 psf

Ground Snow Load: 10psf

Wind Load: Ultimate Wind Speed 140 mph (ASCE-7)
Exposure Category C

SEISMIC DESIGN CATEGORY: B
Provide the following Seismic Design Parameters:
Risk Category (Table 1604.5) III
Spectral Response Acceleration S_S 17.5 %g S_1 8.0 %g
Site Classification (ASCE 7) D
Data Source: Field Test
Basic structural system Building Frame
Analysis Procedures: Equivalent Lateral Force
Architectural, Mechanical, Components anchored? No

LATERAL DESIGN CONTROL: Earthquake

SOIL BEARING CAPACITIES:
Field Test (provide copy of test report) 2,500psf
Shallow Foundation, no Piles.

SCHEDULE OF SPECIAL INSPECTIONS:
Sheet S0.0.2

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
MECHANICAL DESIGN
(PROVIDE ON THE MECHANICAL SHEETS IF APPLICABLE)

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone 3A
winter dry bulb: 93.7F
summer dry bulb: 73.2F

Interior design conditions
winter dry bulb: 68F
summer dry bulb: 73.7F
relative humidity: 50%

Building heating load: 1,002,000 BTUH

Building cooling load: 1,219,000 BTUH

Mechanical Spacing Conditioning System
Unitary
description of unit: Unitary
heating efficiency: See Schedules
cooling efficiency: See Schedules
size category of unit: See Schedules
Boiler
Size category. If oversized, state reason.: N/A
Chiller
Size category. If oversized, state reason.: N/A

List equipment efficiencies: Listed above

Life Safety Equipment Schedules:
Sheets M0.2, M0.3

Fire Dampers:
Sheets M2.1.1, M2.1.2, M2.1.3, M2.2.1, M2.2.2, M2.2.3, M2.2.4, M3.1, M3.2.

Smoke Dampers/Fire Smoke Dampers:
Sheets M2.1.1, M2.2.3, M2.2.6

Smoke Exhaust Fans/Systems:
Sheets M2.1.1, M2.1.2, M2.1.3, M2.2.1, M2.2.2, M2.2.3, M2.2.4, M2.2.5, M2.2.6, M2.3.1, M2.3.2, M2.3.3, M2.3.4, M3.1, M3.2.

Smoke Supply Fans/Systems:
Sheets M2.1.1, M2.1.2, M2.1.3, M2.2.1, M2.2.2, M2.2.3, M2.2.4, M2.2.5, M2.2.6, M2.3.1, M2.3.2, M2.3.3, M2.3.4, M3.1, M3.2.

Duct Smoke Detectors:
Sheets M2.1.1, M3.1, M2.2.1, M2.2.2 M2.2.3, M2.2.4, M2.2.5, M2.2.6

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
ELECTRICAL DESIGN
(PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)

ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance: ASHRAE 90.1 - Prescriptive

Lighting schedule (each fixture type)
lamp type required in fixture
number of lamps in fixture
ballast type used in the fixture - Refer to fixture schedule on plans.
number of ballasts in fixture
total wattage per fixture
total interior wattage specified vs. allowed **whole building.**
.56/ft² (specified)
.69/ft² (allowed)
total exterior wattage specified vs. allowed. **Parking**
.04/ft² (specified)
.06/ft² (allowed)

Additional Efficiency Package Options
(When using the 2018 NCECC; not required for ASHRAE 90.1)
- ☐ C406.2 More Efficient HVAC Equipment Performance
- ☒ C406.3 Reduced Lighting Power Density
- ☐ C406.4 Enhanced Digital Lighting Controls
- ☐ C406.5 On-Site Renewable Energy
- ☐ C406.6 Dedicated Outdoor Air System
- ☐ C406.7 Reduced Energy Use in Service Water Heating

Interior Emergency lighting:
Sheets E2.1.1.1, E2.1.2.1, E2.1.3.1, E2.1.4.1, E2.2.1.1, E2.2.2.1, E2.2.3.1
Exterior Emergency lighting:
Sheet E1.0
Fire alarm:
Sheets E2.1.1.3, E2.1.2.3, E2.1.3.3, E2.1.4.3, E2.2.1.3, E2.2.2.3, E2.2.3.3, E4.1, E4.2, E5.3

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS REGISTERED ARCHITECT 11547 NORTH CAROLINA CHARLOTTE NC
12/12/23

MOSELEY ARCHITECTS, P.A. CORPORATION 50149 NORTH CAROLINA CHARLOTTE NC

DUPLIN COUNTY DETENTION CENTER
DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO. 621373	DATE: December 12, 2023
REVISIONS	
DATE	DESCRIPTION

CODE SUMMARY - BUILDING A

LS1.0

12/11/2023 11:11:25 AM

BUILDING B - CODE DATA SUMMARY

THIS SUMMARY DOES NOT IDENTIFY ALL APPLICABLE CODE SECTIONS AND IS A SUMMARY OF SELECTED CODE SECTIONS ONLY. CODE SECTIONS NOT IDENTIFIED OR OTHERWISE INDICATED DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO COMPLY WITH APPLICABLE CODES, STANDARDS, AND REGULATIONS TO COMPLETE THE WORK.

BUILDING B
2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2)

Name of Project: Duplin County Detention Center
Address 325 Fairgrounds Drive, Kenansville, North Carolina Zip Code 28349
Owner/Authorized Agent: Duplin County/ Bryan Miller Phone # 910.290.3941 E-Mail Bryan.miller@duplincountync.com
Owned By: County
Code Enforcement Jurisdiction: City

CONTACT: Moseley Architects Design Team

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural	Moseley Architects	Steven J. Hopkins	11547	(704) 540-3755	jhopkins@moseleyarchitects.com
Civil	WithersRavenel	Dave Bartone	031365	(919) 535-5200	dbartone@withersravenel.com
Electrical	Moseley Architects	William Cary	024242	(704) 540-3755	wcary@moseleyarchitects.com
Fire Alarm	Moseley Architects	William Cary	024242	(704) 540-3755	wcary@moseleyarchitects.com
Plumbing	Moseley Architects	Justin P. Carlson	033520	(704) 540-3755	jcarlson@moseleyarchitects.com
Mechanical	Moseley Architects	Justin P. Carlson	033520	(704) 540-3755	jcarlson@moseleyarchitects.com
Sprinkler-Standpipe	Moseley Architects	Justin P. Carlson	033520	(704) 540-3755	jcarlson@moseleyarchitects.com
Structural	Moseley Architects	Paul J. Gagnon	045706	(704) 540-3755	pgagnon@moseleyarchitects.com
Other					

("Other" should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)

2018 NC BUILDING CODE: New Building

2018 NC EXISTING BUILDING CODE: N/A N/A N/A
CONSTRUCTED: (date) _____ **CURRENT OCCUPANCY(S)** (Ch. 3): _____
RENOVATED: (date) _____ **PROPOSED OCCUPANCY(S)** (Ch. 3): _____

RISK CATEGORY (Table 1604.5): **Current:** N/A **Proposed:** III

BASIC BUILDING DATA
Construction Type: II-B
Sprinklers: Yes NFPA 13
Standpipes: No
Primary Fire District: No **Flood Hazard Area:** No
Special Inspections Required: Yes (Contact the local inspection jurisdiction for additional procedures and requirements.)

Gross Building Area Table

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	SUB-TOTAL
2nd Floor		1,238sf	
Tier		9,356sf	
1st Floor		32,503 sf	
TOTAL		43,097 sf	

ALLOWABLE AREA

Primary Occupancy Classification(s): Institutional - I-3 Condition 3 and 4
Accessory Occupancy Classification(s):
Incidental Uses (Table 509):
Special Uses (Chapter 4 – List Code Sections): N/A
Special Provisions: (Chapter 5 – List Code Sections): N/A
Mixed Occupancy: No Separation: Select one Exception: N/A

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]
1	I-3	28,251	30,000	16,200	46,200
TIER	I-3	9,356	30,000	16,200	46,200
2	I-3	1,238	30,000	16,200	46,200

[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 = _805_____ (F)
b. Total Building Perimeter = __1017_____ (P)
c. Ratio (F/P) = ____.79_____ (F/P)
d. W = Minimum width of public way = __30_____ (W)
e. Percent of frontage increase $I_f = 100[F/P - 0.25] \times W/30 =$ _.54_____ (%)
[2] Unlimited area applicable under conditions of Section 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 (ABOVE GRADE)	SHOWN ON PLANS	CODE REFERENCE [1]
Building Height in Feet (Table 504.3) [2]	75	28	N/A
Building Height in Stories (Table 504.4) [3]	2	1	N/A

[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

RATED UL ASSEMBLIES LISTED ON SHEET #: LS3.2, LS3.3

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	RATING PROVIDED (W/ * REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	SHEET # FOR RATED PENETRATION	SHEET # FOR RATED JOINTS
Primary Structural Frame, including columns, girders, trusses	GREATER THAN 30'	0 HR	0 HR	N/A	N/A	N/A	N/A
Bearing Walls		0 HR	0 HR	N/A	N/A	N/A	N/A
Exterior		--	--	--	--	--	--
North		--	--	--	--	--	--
East		--	--	--	--	--	--
West		--	--	--	--	--	--
South		--	--	--	--	--	--
Interior		0 HR	0 HR	N/A	N/A	N/A	N/A
Nonbearing Walls and Partitions Exterior walls	GREATER THAN 30'	0 HR	0HR	N/A	N/A	N/A	N/A
North		--	--	--	--	--	--
East		--	--	--	--	--	--
West		--	--	--	--	--	--
South		--	--	--	--	--	--
Interior walls and partitions		0 HR	0 HR	N/A	N/A	N/A	N/A
Floor Construction Including supporting beams and joists		1 HR**	1 HR**	--	N/A	C-AJ-7008	N/A
Roof Construction, including supporting beams and joists		0 HR	0 HR	N/A	N/A	N/A	N/A
Shaft Enclosures - Exit		N/A	N/A	N/A	N/A	N/A	N/A
Shaft Enclosures - Other		1 HR	1 HR	X1 / LS3.2	U905	C-AJ-5069	HW-D-0030
Corridor Separation		1 HR	1 HR	X1/ LS3.2	U905	C-AJ-5069	HW-D-0030
Occupancy/Fire Barrier Separation		1 HR	1 HR	X1/ LS3.2	U905	C-AJ-5069	HW-D-0030
Party/Fire Wall Separation		2 HR	2 HR	X1/ LS3.2	U905	C-AJ-5069	HW-D-0030
Smoke Barrier Separation		1 HR	1 HR	X1/ LS3.2	U905	C-AJ-5069	HW-D-0030
Smoke Partition		N/A	N/A	N/A	N/A	N/A	N/A
Tenant/Dwelling Unit/ Sleeping Unit Separation		N/A	N/A	N/A	N/A	N/A	N/A
Incidental Use Separation		1 HR	1 HR	X1/ LS3.2	U905	C-AJ-5069	HW-D-0030

**FOR RATED FLOOR / HORIZONTAL ASSEMBLY ABOVE CORRIDOR S111 AND IN SHAFT ABOVE ELEC. S110

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
Greater than 30'	UP,S	No limit	N/A

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: Yes - Sheets E1.0, E2.1.1.1, E2.1.2.1, E2.1.3.1, E2.1.4.1, E2.2.1.1, E2.2.2.1, E2.2.3.1
Exit Signs: Yes - Sheets E2.1.1.1, E2.1.3.1, E2.2.2.1, E2.1.2.1, E2.2.1.1, E2.1.4.1, E2.2.3.1
Fire Alarm: Yes - Sheets E2.1.1.3, E2.1.2.3, E2.1.3.3, E2.1.4.3, E2.2.1.3, E2.2.2.3, E2.2.3.3, E4.1, E4.2, E5.3
Smoke Detection Systems: Yes - Sheet E4.2
Carbon Monoxide Detection: No

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: LS2.0, LS2.1, LS2.2, LS2.3

- ☒ Fire and/or smoke rated wall locations (Chapter 7)
- ☒ Assumed and real property line locations (if not on the site plan)
- ☐ Exterior wall opening area with respect to distance to assumed property lines (705.8)
- ☒ Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
- ☒ Occupant loads for each area
- ☒ Exit access travel distances (1017)
- ☒ Common path of travel distances (Tables 1006.2.1 & 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 DWELLING UNITS
(SECTION 1107)

TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED
N/A							

ACCESSIBLE PARKING
(SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES REQUIRED	TOTAL # OF PARKING SPACES PROVIDED	# OF ACCESSIBLE SPACES PROVIDED: REGULAR WITH 5' ACCESS AISLE	VAN SPACES WITH 132" ACCESS AISLE	VAN SPACES WITH 8' ACCESS AISLE	TOTAL # ACCESSIBLE PROVIDED
Public						
Staff						
TOTAL						

PLUMBING FIXTURE REQUIREMENTS
(TABLE 2902.1)

USE		WATER CLOSETS MALE	WATER CLOSETS FEMALE	WATER CLOSETS UNISEX	URINALS	LAVATORIES MALE	LAVATORIES FEMALE	LAVATORIES UNISEX	SHOWERS / TUBS	DRINKING FOUNTAINS REGULAR	DRINKING FOUNTAINS ACCESSIBLE
SPACE											
	Required										
	Provided										

* Note: 2 service sinks are required by code. 2 service sinks provided.

SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below)

City of Goldsboro; NC DHSR; NC DOI

BUILDING A PLUMBING FIXTURE REQUIRMENTS

REFER TO DRAWING LS2.3 & LS2.4 FOR OCCUPANCY COUNTS
INMATE PLUMBING COUNTS PROVIDED UNDER NC DHSR JAIL STANDARDS (HOLDING & BOOKING AREAS) OCCUPANTS. "I3" OCCUPANCY.

TOILETS (NON-INMATE STAFF)
MALE WATER CLOSETS = 0
FEMALE WATER CLOSETS = 0
UNISEX WATER CLOSETS = 1
MALE LAVITORIES = 0
FEMALE LAVITORIES = 0
UNISEX LAVITORIES = 1
DRINKING FOUNTAINS = 0

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: Select one

Exempt Building: No Provide code or statutory reference:

Climate Zone: 3A

Method of Compliance: Energy Code - Prescriptive
(If "Other" specify source here)_____

THERMAL ENVELOPE (Prescriptive method only)

Roof/ceiling Assembly (each assembly)
Description of assembly: RA1 on drawing A10.1.
U-Value of total assembly: 0.04
R-Value of insulation: R-25ci
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: WA assemblies on A5.1.1
U-Value of total assembly: 0.132 Mass;
R-Value of insulation: R-7.6ci Mass;
Openings (windows or doors with glazing)
U-Value of assembly: 0.50
Solar heat gain coefficient: 0.25
projection factor: 0
Door R-Values: R-2

Walls below grade (each assembly)
Description of assembly: WA assemblies on A5.1.1
U-Value of total assembly: 0.133
R-Value of insulation: R-7.5ci

Floors over unconditioned space (each assembly)
Description of assembly: N/A
U-Value of total assembly: .
R-Value of insulation: .

Floors slab on grade
Description of assembly: Concrete slab on grade
U-Value of total assembly: 0.067
R-Value of insulation: R-15
Horizontal/vertical requirement: 24"
slab heated: NA

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
STRUCTURAL DESIGN
(PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)

DESIGN LOADS:

Importance Factors: Snow (I_S) 1.1
Seismic (I_E) 1.25

Live Loads: Roof 20psf
Tier 40psf
Floor 100 psf

Ground Snow Load: 10psf

Wind Load: Ultimate Wind Speed 140 mph (ASCE-7)
Exposure Category C

SEISMIC DESIGN CATEGORY: B
Provide the following Seismic Design Parameters:
Risk Category (Table 1604.5) III
Spectral Response Acceleration S_s 17.3 %g S_1 8.0 %g
Site Classification (ASCE 7) D
Data Source: Field Test
Basic structural system Building Frame
Analysis Procedure: Equivalent Lateral Force
Architectural, Mechanical, Components anchored? No

LATERAL DESIGN CONTROL: Earthquake

SOIL BEARING CAPACITIES:
Field Test (provide copy of test report) 2,500psf
Shallow Foundation, no Piles.

SCHEDULE OF SPECIAL INSPECTIONS:
Sheet S0.0.2

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
MECHANICAL DESIGN
(PROVIDE ON THE MECHANICAL SHEETS IF APPLICABLE)

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone 3A
winter dry bulb: 93.7F
summer dry bulb: 73.2F

Interior design conditions
winter dry bulb: 68F
summer dry bulb: 73.7F
relative humidity: 50%

Building heating load: 1,002,000 BTUH

Building cooling load: 1,219,000 BTUH

Mechanical Spacing Conditioning System
Unitary
description of unit: Unitary
heating efficiency: See Schedules
cooling efficiency: See Schedules
size category of unit: See Schedules
Boiler
Size category. If oversized, state reason.: N/A
Chiller
Size category. If oversized, state reason.: N/A

List equipment efficiencies: Listed above

Life Safety Equipment Schedules:
Sheets M0.2, M0.3

Fire Dampers:
Sheets M2.1.1, M2.1.2, M2.1.3, M2.2.1, M2.2.2, M2.2.3, M2.2.4, M3.1, M3.2.

Smoke Dampers/Fire Smoke Dampers:
Sheets M2.1.1, M2.2.3, M2.2.6

Smoke Exhaust Fans/Systems:
Sheets M2.1.1, M2.1.2, M2.1.3, M2.2.1, M2.2.2, M2.2.3, M2.2.4, M2.2.5, M2.2.6, M2.3.1, M2.3.2, M2.3.3, M2.3.4, M3.1, M3.2.

Smoke Supply Fans/Systems:
Sheets M2.1.1, M2.1.2, M2.1.3, M2.2.1, M2.2.2, M2.2.3, M2.2.4, M2.2.5, M2.2.6, M2.3.1, M2.3.2, M2.3.3, M2.3.4, M3.1, M3.2.

Duct Smoke Detectors:
Sheets M2.1.1, M3.1, M2.2.1, M2.2.2 M2.2.3, M2.2.4, M2.2.5, M2.2.6

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
ELECTRICAL DESIGN
(PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)

ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance: ASHRAE 90.1 - Prescriptive

Lighting schedule (each fixture type)
lamp type required in fixture
number of lamps in fixture
ballast type used in the fixture - Refer to fixture schedule on plans.
number of ballasts in fixture
total wattage per fixture
total interior wattage specified vs. allowed **whole building.** .56/ft² (specified) .69/ft² (allowed)
total exterior wattage specified vs. allowed. **Parking** .04/ft² (specified) .06/ft² (allowed)

Additional Efficiency Package Options
(When using the 2018 NCECC; not required for ASHRAE 90.1)
- ☐ C406.2 More Efficient HVAC Equipment Performance
- ☒ C406.3 Reduced Lighting Power Density
- ☐ C406.4 Enhanced Digital Lighting Controls
- ☐ C406.5 On-Site Renewable Energy
- ☐ C406.6 Dedicated Outdoor Air System
- ☐ C406.7 Reduced Energy Use in Service Water Heating

Interior Emergency lighting:
Sheets E2.1.1.1, E2.1.2.1, E2.1.3.1, E2.1.4.1, E2.2.1.1, E2.2.2.1, E2.2.3.1
Exterior Emergency lighting:
Sheet E1.0
Fire alarm:
Sheets E2.1.1.3, E2.1.2.3, E2.1.3.3, E2.1.4.3, E2.2.1.3, E2.2.2.3, E2.2.3.3, E4.1, E4.2, E5.3

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS REGISTERED ARCHITECT 11547 NORTH CAROLINA CHARLOTTE, NC
12/12/23

MOSELEY ARCHITECTS, P.A. CORPORATION NORTH CAROLINA 50149 CHARLOTTE, NC

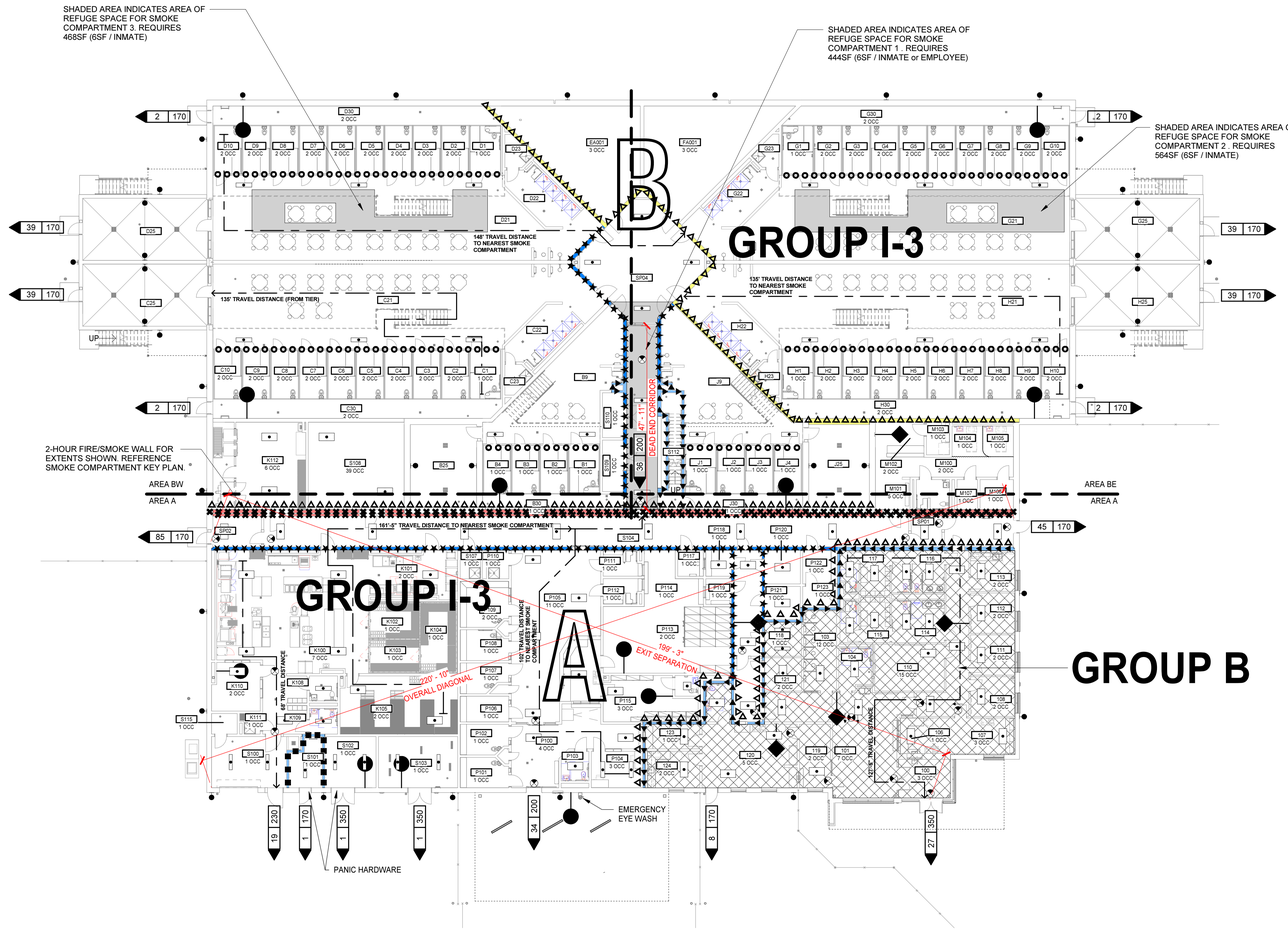
DUPLIN COUNTY DETENTION CENTER
DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO: 621373	DATE: December 12, 2023
REVISIONS	
DATE	DESCRIPTION

CODE SUMMARY - BUILDING B

LS1.2

12/11/2023 11:11:26 AM



N

1 A3.1.1 LS2.0 **LIFE SAFETY PLAN - LEVEL ONE_BASE BID**

1/16" = 1'-0"

0' 4' 8' 16' 32'

1/16" = 1'-0"

LIFE SAFETY SYMBOL LEGEND

APPLIES TO LS SERIES OF DRAWINGS ONLY

DESIGNATOR MATRIX

	WALL	BARRIER	PARTITION	RATED EXT WALL
4 HR FIRE				
3 HR FIRE				
2 HR FIRE	✖✖✖✖✖	■■■■■		
1 HR FIRE		▶▶▶▶▶	★★★★★	
½ HR FIRE				
SMOKE		△△△△△		
SMOKE-TIGHT			○○○○○	

NOTE:
WALL DESIGNATIONS ON THE LS SERIES OF DRAWINGS ARE FOR GRAPHICAL PURPOSES ONLY AND MAY NOT REPRESENT THE ACTUAL WALL/PARTITION CONSTRUCTION. REFER TO THE CONTRACT DOCUMENTS, INCLUDING THE LIFE SAFETY SYMBOLS LEGEND AND A0, A1 AND, A2 SERIES OF DRAWINGS, FOR ACTUAL WALL/PARTITION TYPES AND CONSTRUCTION REQUIREMENTS.

DOUBLE FIRE WALL

'n' = RATING IN HOURS — nDFW — DFW = DOUBLE FIRE WALL

NOTE: RATINGS MAY VARY. REFER TO A0.2 FOR ACTUAL RATINGS OF FIRE WALLS COMPOSING THE DOUBLE FIRE WALLS

SYMBOLS

- 1205 — ROOM NUMBER
- 798 1280 — DIRECTION OF EGRESS; EGRESS LOAD CAPACITY; NUMBER OF OCCUPANTS
- DIRECTION OF EGRESS; NUMBER OF OCCUPANTS; EGRESS LOAD CAPACITY — 798 1280
- XXX'-X" — MAXIMUM TRAVEL DISTANCE
- XXX'-X" CPOT — COMMON PATH OF TRAVEL
- FIRE EXTINGUISHER CABINET
- FIRE EXTINGUISHER BRACKET
- EXTENT OF SMOKE COMPARTMENT
- EXTENT OF FLOOR / CEILING AND/OR ROOF / CEILING ASSEMBLY
- 3 — BUILDING NUMBER
- LIGHT FIXTURE ON EMERGENCY POWER, CEILING MOUNTED
- LIGHT FIXTURE ON EMERGENCY POWER, SUSPENDED
- LIGHT FIXTURE ON EMERGENCY POWER, WALL MOUNT
- EXIT SIGNS, REFER TO ELECTRICAL LIGHTING DRAWINGS

FIRE RATED ASSEMBLIES

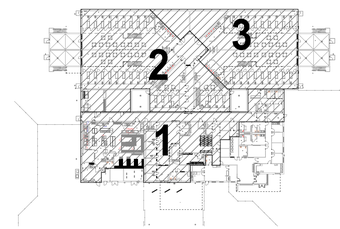
REPRESENTED BY Xn

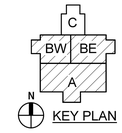
THE ASSEMBLIES REFERENCED ARE BASIS OF DESIGN. EQUIVALENT COMPATIBLE TESTED ASSEMBLIES WILL BE ACCEPTABLE IF APPROVED BY THE LAHJ

MARK	FIRE RATING	APPLIES TO	REFERENCE	REMARKS
X1	1HR, 2HR	CMU WALL	U905	--
X2	1HR	GWB WALL	U465	--
X3	1HR, 2HR	RATED CMU WALL TERMINATION	HW-D-0300	--
X4	1HR	RATED GWB WALL TERMINATION	HW-D-0011	--
X5	1HR, 2HR	PENETRATION THROUGH CMU/CONCRETE WALLS AND CONCRETE FLOORS.	C-AJ-5069	--
X6	1HR	PENETRATION THROUGH CMU/CONCRETE WALLS AND CONCRETE FLOORS.	C-AJ-7008	--

SMOKE COMPARTMENT KEY PLAN - BASE BID

SMOKE COMPARTMENT 1: 11,340 SF
SMOKE COMPARTMENT 2: 12,998 SF
SMOKE COMPARTMENT 3: 9,090 SF





MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS REGISTERED ARCHITECT 11547 NORTH CAROLINA CHARLOTTE, NC 12/12/23

MOSELEY ARCHITECTS P.C. CORPORATION 50149 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO: 521373 | DATE: December 12, 2023

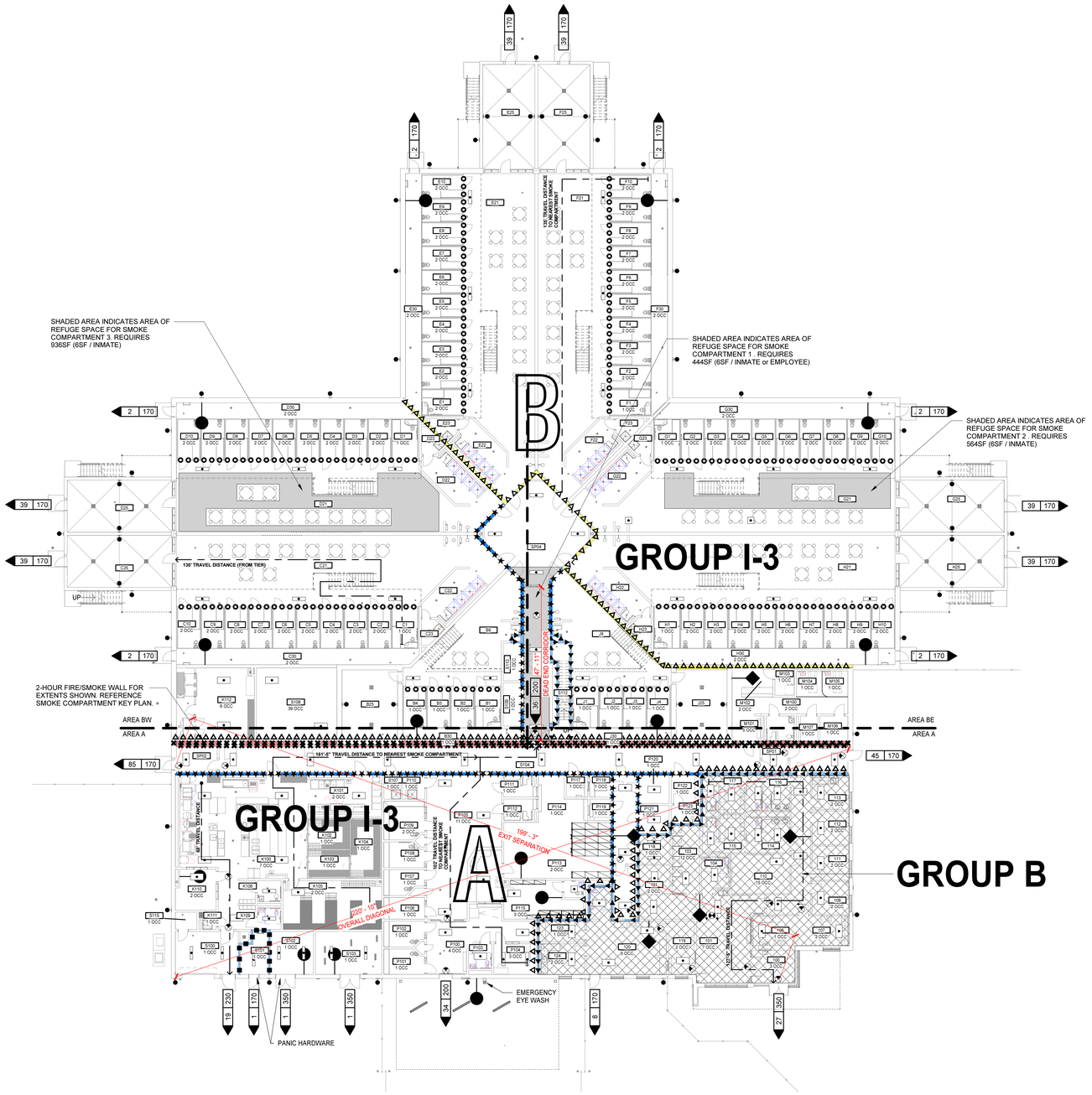
REVISIONS

DATE	DESCRIPTION

LIFE SAFETY INFORMATION - BASE BID

LS2.0

12/11/2023 11:33:24 AM



N

1 A3.1.1 LS2.1

LIFE SAFETY PLAN - LEVEL ONE_ADD ALT

1/16" = 1'-0"

LIFE SAFETY SYMBOL LEGEND

APPLIES TO LS SERIES OF DRAWINGS ONLY

DESIGNATOR MATRIX

	WALL	BARRIER	PARTITION	RATED EXT WALL
4 HR FIRE				
3 HR FIRE				
2 HR FIRE	✖✖✖✖✖	■■■■■		
1 HR FIRE		▶▶▶▶▶	★★★★★	
½ HR FIRE				
SMOKE		△△△△△		
SMOKE-TIGHT			○○○○○	

NOTE:
WALL DESIGNATIONS ON THE LS SERIES OF DRAWINGS ARE FOR GRAPHICAL PURPOSES ONLY AND MAY NOT REPRESENT THE ACTUAL WALL/PARTITION CONSTRUCTION. REFER TO THE CONTRACT DOCUMENTS, INCLUDING THE LIFE SAFETY SYMBOLS LEGEND AND A0, A1 AND, A2 SERIES OF DRAWINGS, FOR ACTUAL WALL/PARTITION TYPES AND CONSTRUCTION REQUIREMENTS.

DOUBLE FIRE WALL

'n' = RATING IN HOURS — nDFW — DFW = DOUBLE FIRE WALL

NOTE: RATINGS MAY VARY. REFER TO A0.2 FOR ACTUAL RATINGS OF FIRE WALLS COMPOSING THE DOUBLE FIRE WALLS

SYMBOLS

- 1205 — ROOM NUMBER
- 798 | 1280 — DIRECTION OF EGRESS / EGRESS LOAD CAPACITY / NUMBER OF OCCUPANTS
- DIRECTION OF EGRESS / NUMBER OF OCCUPANTS / EGRESS LOAD CAPACITY — 798 | 1280
- XXX'-X" — MAXIMUM TRAVEL DISTANCE
- XXX'-X" CPOT — COMMON PATH OF TRAVEL
- FIRE EXTINGUISHER CABINET
- FIRE EXTINGUISHER BRACKET
- EXTENT OF SMOKE COMPARTMENT
- EXTENT OF FLOOR / CEILING AND/OR ROOF / CEILING ASSEMBLY
- 3 — BUILDING NUMBER
- LIGHT FIXTURE ON EMERGENCY POWER, CEILING MOUNTED
- LIGHT FIXTURE ON EMERGENCY POWER, SUSPENDED
- LIGHT FIXTURE ON EMERGENCY POWER, WALL MOUNT
- EXIT SIGNS, REFER TO ELECTRICAL LIGHTING DRAWINGS

FIRE RATED ASSEMBLIES

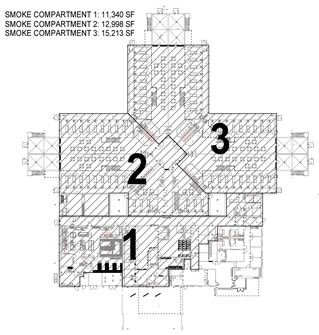
REPRESENTED BY ⟨Xn⟩

THE ASSEMBLIES REFERENCED ARE BASIS OF DESIGN. EQUIVALENT COMPATIBLE TESTED ASSEMBLIES WILL BE ACCEPTABLE IF APPROVED BY THE LAHJ

MARK	FIRE RATING	APPLIES TO	REFERENCE	REMARKS
X1	1HR, 2HR	CMU WALL	U905	--
X2	1HR	GWB WALL	U465	--
X3	1HR, 2HR	RATED CMU WALL TERMINATION	HW-D-0300	--
X4	1HR	RATED GWB WALL TERMINATION	HW-D-0011	--
X5	1HR, 2HR	PENETRATION THROUGH CMU/CONCRETE WALLS AND CONCRETE FLOORS.	C-AJ-5069	--
X6	1HR	PENETRATION THROUGH CMU/CONCRETE WALLS AND CONCRETE FLOORS.	C-AJ-7008	--

SMOKE COMPARTMENT KEY PLAN - ADD ALT

SMOKE COMPARTMENT 1: 11,340 SF
SMOKE COMPARTMENT 2: 12,998 SF
SMOKE COMPARTMENT 3: 15,213 SF



C
BW BE
A
N
KEY PLAN

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS REGISTERED ARCHITECT 11547 NORTH CAROLINA CHARLOTTE, NC 12/12/23

MOSELEY ARCHITECTS P.C. CERTIFICATE OF CORPORATE REGISTRATION 50149 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO. 621373 | DATE: December 12, 2023

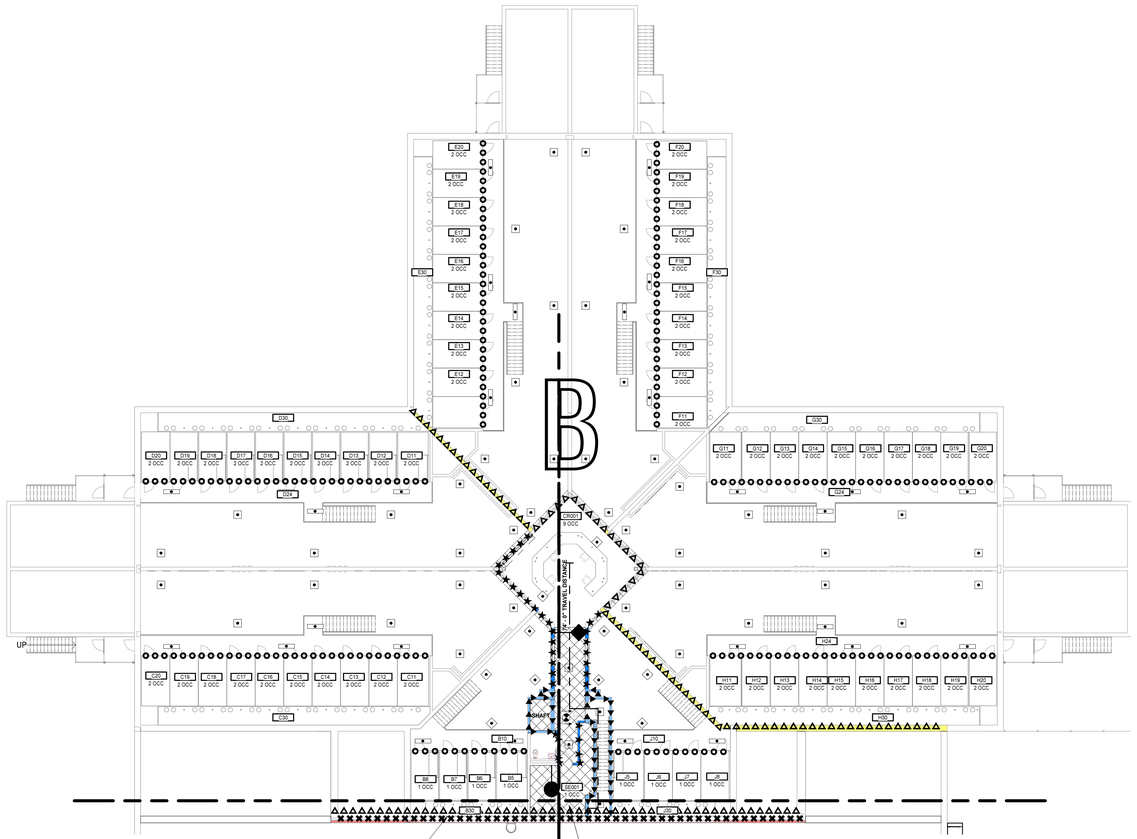
REVISIONS

DATE	DESCRIPTION

LIFE SAFETY INFORMATION - ADD ALT

LS2.1

12/11/2023 11:13:03 AM



N

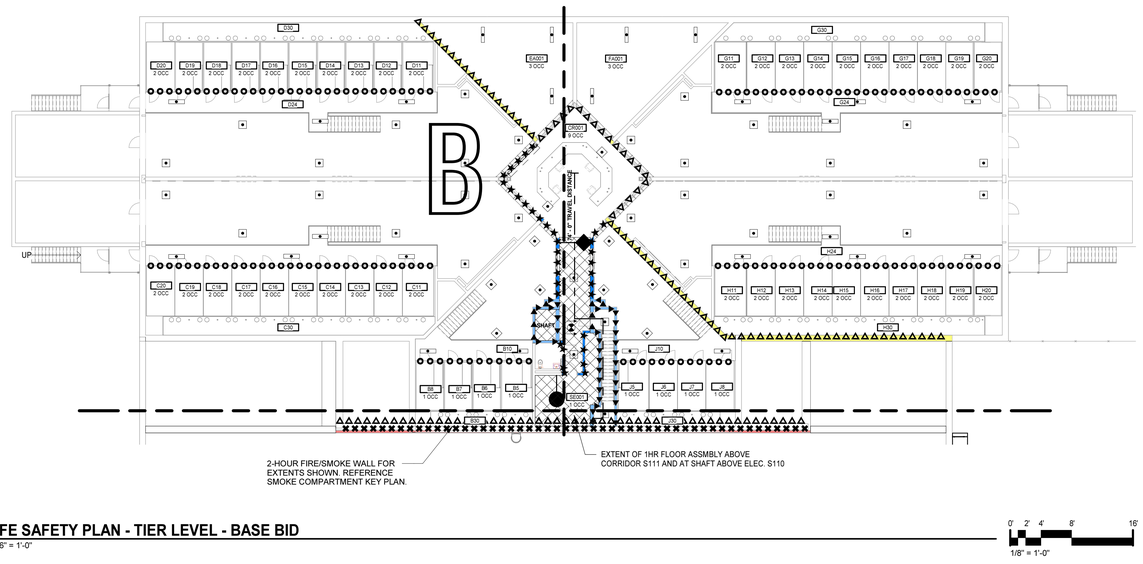
1 A6.1.1 LS2.2

LIFE SAFETY PLAN - TIER LEVEL - ADD ALT

1/16" = 1'-0"

0' 2' 4' 8' 16'

1/8" = 1'-0"



N

2 A6.1.1 LS2.2

LIFE SAFETY PLAN - TIER LEVEL - BASE BID

1/16" = 1'-0"

0' 2' 4' 8' 16'

1/8" = 1'-0"

LIFE SAFETY SYMBOL LEGEND

APPLIES TO LS SERIES OF DRAWINGS ONLY

DESIGNATOR MATRIX

	WALL	BARRIER	PARTITION	RATED EXT WALL
4 HR FIRE				
3 HR FIRE				
2 HR FIRE	✖✖✖✖✖	■■■■■		
1 HR FIRE		▶▶▶▶▶	★★★★★	
½ HR FIRE				
SMOKE		△△△△△		
SMOKE-TIGHT			○○○○○	

NOTE:
WALL DESIGNATIONS ON THE LS SERIES OF DRAWINGS ARE FOR GRAPHICAL PURPOSES ONLY AND MAY NOT REPRESENT THE ACTUAL WALL/PARTITION CONSTRUCTION. REFER TO THE CONTRACT DOCUMENTS, INCLUDING THE LIFE SAFETY SYMBOLS LEGEND AND A0, A1 AND, A2 SERIES OF DRAWINGS, FOR ACTUAL WALL/PARTITION TYPES AND CONSTRUCTION REQUIREMENTS.

DOUBLE FIRE WALL

'n' = RATING IN HOURS — nDFW — DFW = DOUBLE FIRE WALL

NOTE: RATINGS MAY VARY. REFER TO A0.2 FOR ACTUAL RATINGS OF FIRE WALLS COMPOSING THE DOUBLE FIRE WALLS

SYMBOLS

- 1205 — ROOM NUMBER
- 798 | 1280 — DIRECTION OF EGRESS; EGRESS LOAD CAPACITY; NUMBER OF OCCUPANTS
- DIRECTION OF EGRESS; NUMBER OF OCCUPANTS; EGRESS LOAD CAPACITY — 798 | 1280
- XXX'-X" — MAXIMUM TRAVEL DISTANCE
- XXX'-X" CPOT — COMMON PATH OF TRAVEL
- FIRE EXTINGUISHER CABINET
- FIRE EXTINGUISHER BRACKET
- EXTENT OF SMOKE COMPARTMENT
- EXTENT OF FLOOR / CEILING AND/OR ROOF / CEILING ASSEMBLY
- 3 — BUILDING NUMBER
- LIGHT FIXTURE ON EMERGENCY POWER, CEILING MOUNTED
- LIGHT FIXTURE ON EMERGENCY POWER, SUSPENDED
- LIGHT FIXTURE ON EMERGENCY POWER, WALL MOUNT
- EXIT SIGNS, REFER TO ELECTRICAL LIGHTING DRAWINGS

FIRE RATED ASSEMBLIES

REPRESENTED BY Xn

THE ASSEMBLIES REFERENCED ARE BASIS OF DESIGN. EQUIVALENT COMPATIBLE TESTED ASSEMBLIES WILL BE ACCEPTABLE IF APPROVED BY THE LAHJ

MARK	FIRE RATING	APPLIES TO	REFERENCE	REMARKS
X1	1HR, 2HR	CMU WALL	U905	--
X2	1HR	GWB WALL	U465	--
X3	1HR, 2HR	RATED CMU WALL TERMINATION	HW-D-0300	--
X4	1HR	RATED GWB WALL TERMINATION	HW-D-0011	--
X5	1HR, 2HR	PENETRATION THROUGH CMU/CONCRETE WALLS AND CONCRETE FLOORS.	C-AJ-5069	--
X6	1HR	PENETRATION THROUGH CMU/CONCRETE WALLS AND CONCRETE FLOORS.	C-AJ-7008	--

C / BW / BE / A

N KEY PLAN

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS — REGISTERED ARCHITECT — 11547 — NORTH CAROLINA — CHARLOTTE, NC — 12/12/23

MOSELEY ARCHITECTS — CORPORATION — 50149 — NORTH CAROLINA — CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE:
621373	December 12, 2023

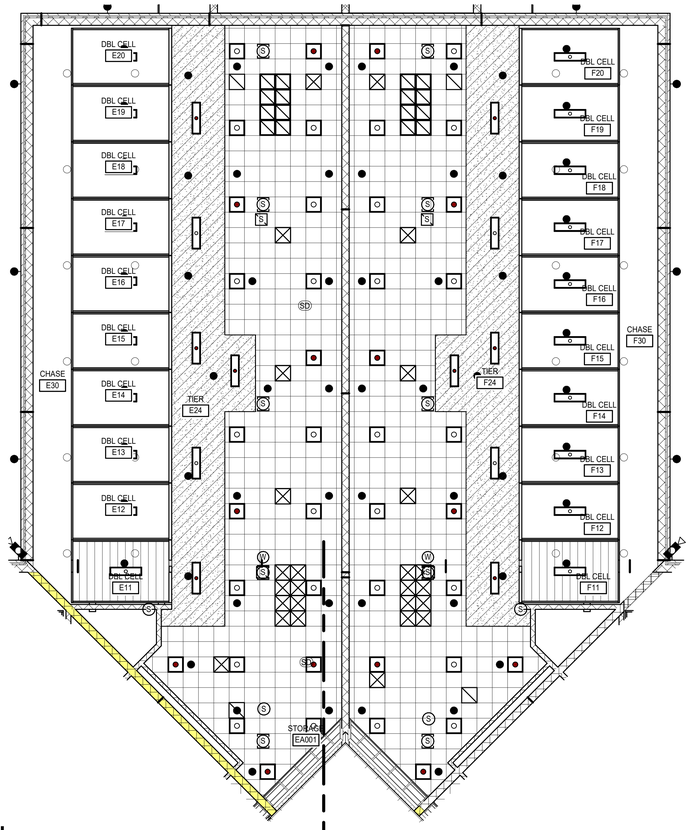
REVISIONS

DATE	DESCRIPTION

LIFE SAFETY INFORMATION

LS2.2

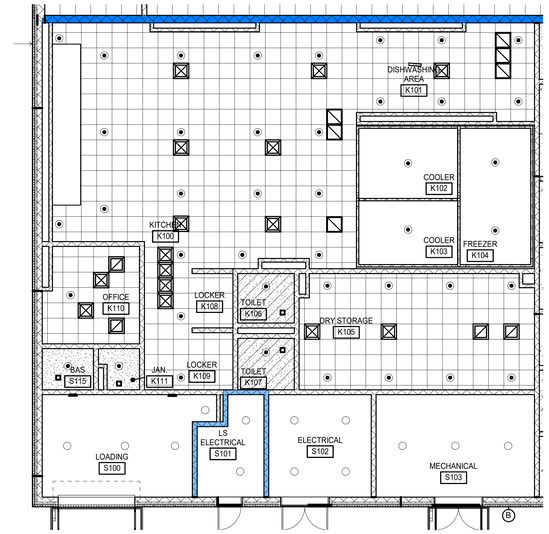
12/11/2023 11:14:59 AM



N

TIER LEVEL REFLECTED CEILING PLAN - DORMITORY AREA - FIRE PROTECTION

1/8" = 1'-0"



N

LEVEL 1 REFLECTED CEILING PLAN - ORDINARY HAZARD AREA - FIRE PROTECTION

1/8" = 1'-0"

MOSELEYARCHITECTS
11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC .COM

NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL 033520 12/12/23 JUSTIN P CARLSON

MOSELEY ARCHITECTS PC REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DUPLIN COUNTY, NORTH CAROLINA

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

ENLARGED AREA REFLECTED CEILING PLANS - FIRE PROTECTION

LS2.3

12/11/2023 10:19:31 AM

OCCUPANCY SCHEDULE - BUILDING A

SPACE NUMBER	SPACE NAME	USE CLASSIFICATION	USED TO DETERMINE OCCUPANCY FACTOR ONLY	FLOOR AREA PER OCCUPANT	AREA			OCCUPANCY LOAD		
					SF	GROSS	NET	TABULAR	ACTUAL	DESIGN
100	VESTIBULE	B	BUSINESS AREAS	100 SF	147	•		2	3	3
101	PUBLIC LOBBY	B	BUSINESS AREAS	100 SF	628	•		7	7	7
103	VIDEO VISITATION	B	ASSEMBLY, UNCONCENTRATED	15 SF	177		•	12	12	12
106	RECEPT.	B	BUSINESS AREAS	100 SF	57	•		1	1	1
107	ADMIN. WORK AREA	B	BUSINESS AREAS	100 SF	217	•		3	3	3
108	OFFICE	B	BUSINESS AREAS	100 SF	118	•		2	2	2
110	CONF.	B	ASSEMBLY, UNCONCENTRATED	15 SF	223		•	15	15	15
111	OFFICE	B	BUSINESS AREAS	100 SF	121	•		2	2	2
112	OFFICE	B	BUSINESS AREAS	100 SF	121	•		2	2	2
113	STAFF BREAK ROOM	B	BUSINESS AREAS	100 SF	116	•		2	2	2
118	DATA	B	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	86	•		1	1	1
119	MAG. CONSULT	B	BUSINESS AREAS	100 SF	133	•		2	2	2
121	INTERVIEW	B	BUSINESS AREAS	100 SF	84	•		1	2	2
124	MAG. BREAK ROOM	B	BUSINESS AREAS	100 SF	130	•		2	2	2
H1	SINGLE CELL ADA	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	98	•		1	1	1
K100	KITCHEN	I3	KITCHEN, COMMERCIAL	200 SF	1306	•		7	7	7
K101	DISHWASHING AREA	I3	KITCHEN, COMMERCIAL	200 SF	260	•		2	2	2
K102	COOLER	I3	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	118	•		1	1	1
K103	COOLER	I3	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	107	•		1	1	1
K104	FREEZER	I3	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	164	•		1	1	1
K105	DRY STORAGE	I3	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	457	•		2	2	2
K110	OFFICE	I3	BUSINESS AREAS	100 SF	154	•		2	2	2
K111	JAN.	I3	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	25	•		1	1	1
P100	INTAKE/ PROCESSING	I3	INSTITUTIONAL, OUTPATIENT AREA	100 SF	403	•		5	4	4
P101	HOLDING	I3	INSTITUTIONAL, OUTPATIENT AREA	100 SF	95	•		1	1	1
P102	HOLDING	I3	INSTITUTIONAL, OUTPATIENT AREA	100 SF	96	•		1	1	1
P104	BREATHALYZER	I3	BUSINESS AREAS	100 SF	128	•		2	3	3
P105	BOOKING	I3	BUSINESS AREAS	100 SF	974	•		10	11	11
P106	OBSERVATION HOLDING	I3	INSTITUTIONAL, OUTPATIENT AREA	100 SF	85	•		1	1	1
P107	HOLDING	I3	INSTITUTIONAL, OUTPATIENT AREA	100 SF	89	•		1	1	1
P108	ADA HOLDING	I3	INSTITUTIONAL, OUTPATIENT AREA	100 SF	96	•		1	1	1
P109	GROUP HOLDING	I3	INSTITUTIONAL, OUTPATIENT AREA	100 SF	147	•		2	2	2
P110	JAN.	I3	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	40	•		1	1	1
P111	DRESS OUT	I3	BUSINESS AREAS	100 SF	65	•		1	1	1
P112	DRESS OUT	I3	BUSINESS AREAS	100 SF	65	•		1	1	1
P113	PROPERTY STORAGE	I3	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	580	•		2	2	2
P114	ISSUE	I3	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	172	•		1	1	1
P115	RECORDS / OFFICE	I3	BUSINESS AREAS	100 SF	255	•		3	3	3
P117	VISIT	I3	BUSINESS AREAS	100 SF	45	•		1	1	1
P118	VISIT	I3	BUSINESS AREAS	100 SF	45	•		1	1	1
P119	CHANGE OUT	I3	BUSINESS AREAS	100 SF	45	•		1	1	1
P120	ATTORNEY VISITATION	I3	BUSINESS AREAS	100 SF	81	•		1	1	1
P121	ATTORNEY VISITATION	I3	BUSINESS AREAS	100 SF	81	•		1	1	1
P122	VIDEO ARRAIGNMENT WAITING	I3	BUSINESS AREAS	100 SF	79	•		1	1	1
P123	VIDEO ARRAIGNMENT	I3	BUSINESS AREAS	100 SF	50	•		1	1	1
S100	LOADING	I3	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	262	•		1	1	1
S101	LS ELECTRICAL	I3	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	100	•		1	1	1
S102	ELECTRICAL	I3	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	179	•		1	1	1
S103	MECHANICAL	I3	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	276	•		1	1	1
S107	JAN.	I3	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	39	•		1	1	1
S109	DATA	I3	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	72	•		1	1	1
S110	ELEC	I3	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	63	•		1	1	1
S115	BAS	I3	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	36	•		1	1	1
										123

OCCUPANCY SCHEDULE - BUILDING B - BASE BID

SPACE NUMBER	SPACE NAME	USE CLASSIFICATION	USED TO DETERMINE OCCUPANCY FACTOR ONLY	FLOOR AREA PER OCCUPANT	AREA			OCCUPANCY LOAD		
					SF	GROSS	NET	TABULAR	ACTUAL	DESIGN
B1	SINGLE CELL ADA	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	95	•		1	1	1
B2	SINGLE CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	86	•		1	1	1
B3	SINGLE CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	86	•		1	1	1
B4	SINGLE CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	86	•		1	1	1
B5	SGL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	95	•		1	1	1
B6	SGL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	89	•		1	1	1
B7	SGL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	89	•		1	1	1
B8	SGL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	1	1
B30	CHASE	I3	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	136	•		1	1	1
C1	SINGLE CELL ADA	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	98	•		1	1	1
C2	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
C3	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
C4	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
C5	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
C6	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
C7	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
C8	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
C9	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
C10	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
C11	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	98	•		1	2	2
C12	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
C13	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
C14	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
C15	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
C16	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
C17	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
C18	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
C19	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	87	•		1	2	2
C20	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	86	•		1	2	2
C30	CHASE	I3	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	373	•		2	2	2
CR001	CENTRAL CONTROL	I3	BUSINESS AREAS	100 SF	900	•		10	9	9
D1	SINGLE CELL ADA	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	98	•		1	1	1
D2	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	89	•		1	2	2
D3	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
D4	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	89	•		1	2	2
D5	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	89	•		1	2	2
D6	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	89	•		1	2	2
D7	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	89	•		1	2	2
D8	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	89	•		1	2	2
D9	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	89	•		1	2	2
D10	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	89	•		1	2	2
D11	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	98	•		1	2	2
D12	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
D13	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
D14	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
D15	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
D16	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
D17	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
D18	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
D19	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
D20	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
D30	CHASE	I3	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	365	•		2	2	2
EA001	STORAGE	I3	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	357	•		2	3	3
FA001	STORAGE	I3	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	357	•		2	3	3
G1	SINGLE CELL ADA	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	98	•		1	1	1
G2	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
G3	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
G4	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
G5	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
G6	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
G7	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
G8	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
G9	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
G10	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
G11	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	98	•		1	2	2
G12	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
G13	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
G14	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
G15	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
G16	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
G17	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
G18	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
G19	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
G20	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
G30	CHASE	I3	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	365	•		2	2	2
H2	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
H3	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
H4	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
H5	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
H6	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
H7	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
H8	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
H9	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
H10	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
H11	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	98	•		1	2	2
H12	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
H13	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
H14	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
H15	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
H16	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
H17	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
H18	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
H19	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
H20	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2
H30	CHASE	I3	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	371	•		2	2	2
J1	SINGLE CELL ADA	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	95	•		1	1	1
J2	SINGLE CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	86	•		1	1	1
J3	SINGLE CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	86	•		1	1	1
J4	SINGLE CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	86	•		1	1	1
J5	SGL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	95	•		1	1	1
J6	SGL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	86	•		1	1	1
J7	SGL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	86	•		1	1	1
J8	SGL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	86	•		1	1	1
J30	CHASE	I3	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	113	•		1	1	1
K112	LAUNDRY	I3	INSTITUTIONAL, OUTPATIENT AREA	100 SF	553	•		6	6	6
M100	MEDICAL SUITE	I3	BUSINESS AREAS	100 SF	187	•		2	2	2
M101	WAITING	I3	ASSEMBLY, UNCONCENTRATED	15 SF	66		•	5	5	5
M102	NURSE STATION	I3	BUSINESS AREAS	100 SF	107	•		2	2	2
M103	PHARM.	I3	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	52	•		1	1	1
M104	EXAM 1	I3	INSTITUTIONAL, OUTPATIENT AREA	100 SF	66	•		1	1	1
M105	EXAM 2	I3	INSTITUTIONAL, OUTPATIENT AREA	100 SF	65	•		1	1	1
M107	TELE-MED	I3	INSTITUTIONAL, OUTPATIENT AREA	100 SF	42	•		1	1	1
S108	MULTI-PURPOSE	I3	ASSEMBLY, UNCONCENTRATED	15 SF	570		•	38	39	39
										254

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS
REGISTERED ARCHITECT
11547
NORTH CAROLINA
CHARLOTTE, NC
12/12/23

MOSELEY ARCHITECTS, P.C.
CORPORATE NAME
50149
NORTH CAROLINA
CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE:
621373	December 12, 2023

REVISIONS

DATE	DESCRIPTION

OCCUPANCY SCHEDULES

LS3.0

12/11/2023 11:15:02 AM

OCCUPANCY SCHEDULE - BUILDING B - BASE BID W/ ADD ALTERNATE

SPACE NUMBER	SPACE NAME	USE CLASSIFICATION	USED TO DETERMINE OCCUPANCY FACTOR ONLY	FLOOR AREA PER OCCUPANT	AREA			OCCUPANCY LOAD			Workset
					SF	GROSS	NET	TABULAR	ACTUAL	DESIGN	
B1	SINGLE CELL ADA	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	95	•		1	1	1	Workset1
B2	SINGLE CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	86	•		1	1	1	Workset1
B3	SINGLE CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	86	•		1	1	1	Workset1
B4	SINGLE CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	86	•		1	1	1	Workset1
B5	SGL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	95	•		1	1	1	Workset1
B6	SGL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	89	•		1	1	1	Workset1
B7	SGL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	89	•		1	1	1	Workset1
B8	SGL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	1	1	Workset1
B30	CHASE	I3	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	136	•		1	1	1	Workset1
C1	SINGLE CELL ADA	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	98	•		1	1	1	Workset1
C2	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
C3	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
C4	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
C5	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
C6	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
C7	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
C8	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
C9	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
C10	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
C11	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	98	•		1	2	2	Workset1
C12	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
C13	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
C14	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
C15	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
C16	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
C17	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
C18	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
C19	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	87	•		1	2	2	Workset1
C20	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	86	•		1	2	2	Workset1
C30	CHASE	I3	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	373	•		2	2	2	Workset1
CR001	CENTRAL CONTROL	I3	BUSINESS AREAS	100 SF	900	•		10	9	9	Workset1
D1	SINGLE CELL ADA	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	98	•		1	1	1	Workset1
D2	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	89	•		1	2	2	Workset1
D3	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
D4	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	89	•		1	2	2	Workset1
D5	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	89	•		1	2	2	Workset1
D6	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	89	•		1	2	2	Workset1
D7	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	89	•		1	2	2	Workset1
D8	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	89	•		1	2	2	Workset1
D9	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	89	•		1	2	2	Workset1
D10	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	89	•		1	2	2	Workset1
D11	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	98	•		1	2	2	Workset1
D12	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
D13	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
D14	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
D15	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
D16	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
D17	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
D18	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
D19	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
D20	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
D30	CHASE	I3	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	365	•		2	2	2	Workset1
E1	ADA CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	47	•		1	2	2	Add Alternate
E2	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Add Alternate
E3	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Add Alternate
E4	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Add Alternate
E5	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Add Alternate
E6	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Add Alternate
E7	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Add Alternate
E8	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Add Alternate
E9	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Add Alternate
E12	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Add Alternate
E13	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Add Alternate
E14	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Add Alternate
E15	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Add Alternate
E16	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Add Alternate
E17	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Add Alternate
E18	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Add Alternate
E19	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Add Alternate
E20	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Add Alternate
E30	CHASE	I3	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	349	•		2	2	2	Add Alternate
F1	ADA CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	47	•		1	1	1	Add Alternate
F2	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Add Alternate
F3	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Add Alternate
F4	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Add Alternate
F5	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Add Alternate
F6	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Add Alternate

OCCUPANCY SCHEDULE - BUILDING B - BASE BID W/ ADD ALTERNATE

SPACE NUMBER	SPACE NAME	USE CLASSIFICATION	USED TO DETERMINE OCCUPANCY FACTOR ONLY	FLOOR AREA PER OCCUPANT	AREA			OCCUPANCY LOAD			Workset
					SF	GROSS	NET	TABULAR	ACTUAL	DESIGN	
F7	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Add Alternate
F8	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Add Alternate
F9	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Add Alternate
F10	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Add Alternate
F11	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	47	•		1	2	2	Add Alternate
F12	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Add Alternate
F13	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Add Alternate
F14	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Add Alternate
F15	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Add Alternate
F16	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Add Alternate
F17	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Add Alternate
F18	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Add Alternate
F19	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Add Alternate
F20	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Add Alternate
F30	CHASE	I3	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	349	•		2	2	2	Add Alternate
G1	SINGLE CELL ADA	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	98	•		1	1	1	Workset1
G2	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
G3	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
G4	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
G5	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
G6	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
G7	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
G8	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
G9	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
G10	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
G11	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	98	•		1	2	2	Workset1
G12	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
G13	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
G14	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
G15	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
G16	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
G17	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
G18	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
G19	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
G20	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
G30	CHASE	I3	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	365	•		2	2	2	Workset1
H2	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	86	•		1	2	2	Workset1
H3	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
H4	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
H5	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
H6	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
H7	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
H8	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
H9	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
H10	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
H11	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	98	•		1	2	2	Workset1
H12	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
H13	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
H14	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
H15	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
H16	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
H17	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
H18	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
H19	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
H20	DBL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	88	•		1	2	2	Workset1
H30	CHASE	I3	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	371	•		2	2	2	Workset1
J1	SINGLE CELL ADA	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	95	•		1	1	1	Workset1
J2	SINGLE CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	86	•		1	1	1	Workset1
J3	SINGLE CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	86	•		1	1	1	Workset1
J4	SINGLE CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	86	•		1	1	1	Workset1
J5	SGL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	95	•		1	1	1	Workset1
J6	SGL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	86	•		1	1	1	Workset1
J7	SGL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	86	•		1	1	1	Workset1
J8	SGL CELL	I3	INSTITUTIONAL, SLEEPING AREA	120 SF	86	•		1	1	1	Workset1
J30	CHASE	I3	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	113	•		1	1	1	Workset1
K112	LAUNDRY	I3	INSTITUTIONAL, OUTPATIENT AREA	100 SF	553	•		6	6	6	Workset1
M100	MEDICAL SUITE	I3	BUSINESS AREAS	100 SF	187	•		2	2	2	Workset1
M101	WAITING	I3	ASSEMBLY, UNCONCENTRATED	15 SF	66		•	5	5	5	Workset1
M102	NURSE STATION	I3	BUSINESS AREAS	100 SF	107	•		2	2	2	Workset1
M103	PHARM.	I3	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	52	•		1	1	1	Workset1
M104	EXAM 1	I3	INSTITUTIONAL, OUTPATIENT AREA	100 SF	66	•		1	1	1	Workset1
M105	EXAM 2	I3	INSTITUTIONAL, OUTPATIENT AREA	100 SF	65	•		1	1	1	Workset1
M107	TELE-MED	I3	INSTITUTIONAL, OUTPATIENT AREA	100 SF	42	•		1	1	1	Workset1
S108	MULTI-PURPOSE	I3	ASSEMBLY, UNCONCENTRATED	15 SF	570		•	38	39	39	Workset1
										327	

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS
REGISTERED ARCHITECT
11547
NORTH CAROLINA
CHARLOTTE, NC
12/12/23

MOSELEY ARCHITECTS, P.A.
REGISTERED ARCHITECTURAL CORPORATION
50149
NORTH CAROLINA
CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO	DATE:
621373	December 12, 2023

REVISIONS

DATE	DESCRIPTION

OCCUPANCY SCHEDULE

LS3.1

12/11/2023 11:15:06 AM

X1

Design No. U905

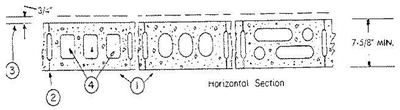
October 02, 2014

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.**



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" and "EnergyShield Pro 2 Wall Insulation."

CARLISLE COATINGS & WATERPROOFING INC — Type R2+ Sheath

HUNTER PANELS — Type Xci-Class A, Xci 286

THE DOW CHEMICAL CO — Type Thermax Sheathing, Thermax Light Duty Insulation, Thermax Heavy Duty Insulation, Thermax Metal Building Board, Thermax White Finish Insulation, Thermax ci Exterior Insulation, Thermax IH Insulation, Thermax Plus Liner Panel and Thermax Heavy Duty Plus (HDP)

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

X2

UL ONLINE CERTIFICATIONS DIRECTORY

Design No. U465
BXUV.U465
Fire Resistance Ratings - ANSI/UL 263

Page Bottom

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 Listed or Classified 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 as Classified, Listed, or Recognized.

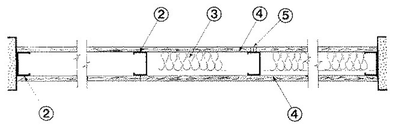
Fire Resistance Ratings - ANSI/UL 263

See General Information for Fire Resistance Ratings - ANSI/UL 263

Design No. U465

October 18, 2011

Nonbearing Wall Rating — 1 HR.



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 Framing System

CONSOLIDATED FABRICATORS CORP,

BUILDING PRODUCTS DIV — Type SUPREME Framing System

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME Framing System

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME Framing System

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME Framing System

UNITED METAL PRODUCTS INC — Type SUPREME Framing System

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.

CRACO MFG INC — SmarterTrack20™, SmartTrack20™

MARINO/WARE, DIV OF WARE INDUSTRIES

INC — Viper20™ Track

TELLING INDUSTRIES L L C — 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 BUILDING SUPPLIES — ProTRAK

SOUTHEASTERN STUD & COMPONENTS INC — 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 1D — 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

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 Framing System

CONSOLIDATED FABRICATORS CORP,

BUILDING PRODUCTS DIV — Type SUPREME Framing System

X2

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME Framing System

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME Framing System

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME Framing System

UNITED METAL PRODUCTS INC — Type SUPREME Framing System

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 cut 3/4 in. less in length than assembly height.

CRACO MFG INC — SmarterStud20™, SmartStud20™

MARINO/WARE, DIV OF WARE INDUSTRIES

INC — Viper20™

TELLING INDUSTRIES L L C — Viper20™

2C. **Steel Studs —** (As an alternate to Item 2, For use with Item 4E) 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.

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 BUILDING SUPPLIES — ProSTUD

SOUTHEASTERN STUD & COMPONENTS INC — 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

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.

3A. **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. Nominal dry density of 3.0 lb/ft^3. Alternate application method: The fiber is applied with U.S. Greenfiber LLC Type AD100 hot melt adhesive at a nominal ratio of one part adhesive to 6.6 parts fiber to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 2.5 lb/ft^3.

U S GREENFIBER L L C — Cocoon2 Stabilized or Cocoon-FRM (Fire Rated Material)

3B. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 3) and Item 3A - 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

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 attached to Item 6 (resilient channels) or 6A (furring channels), gypsum board is screw attached to furring channels with 1 in. long, Type S steel screws spaced 12 in. OC.

AMERICAN GYPSUM CO — Types AG-C, AGX-1, M-Glass

BEIJING NEW BUILDING MATERIALS PUBLIC

LTD CO — Type DBX-1.

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

CERTAINTEED GYPSUM INC — Types 1, EGRG, GlasRoc, Type X, Type C, SilentFX.

CERTAINTEED GYPSUM CANADA INC — Type C, Type X, Type Abuse-Resistant.

GEORGIA-PACIFIC GYPSUM L L C — Types 5, 6, 9, C, DAP, DD, DA, DAPC, DGG, DS, GPFS6.

LAFARGE NORTH AMERICA INC — Types LGFC2, LGFC2A, LGFC6, LGFC6A, LGFC-C, LGFC-C/A, LGFC-WD.

NATIONAL GYPSUM CO — Types FSK, FSK-C, FSK-G, FSW-C, FSW-G, FSW, FSW-3, FSW-5, FSW-6.

NATIONAL GYPSUM CO — Riyadh, Saudi Arabia — Type FR, or WR.

PABCO BUILDING PRODUCTS L L C, DBA

PABCO GYPSUM — Type PG-C, PG-11 or PG-9.

PANEL REY S A — Types PRX, RHX, MDX, ETX.

SIAH GYPSUM INDUSTRY (SARABURI) CO LTD — Type EX-1

TEMPLE-INLAND — Type X, Veneer Plaster Base - Type X, Water Rated - Type X, Sheathing - Type X, Soffit - Type X, TG-C, GreenGlass Type X, Type X ComfortGuard Sound Deadening Gypsum Board.

UNITED STATES GYPSUM CO — Type AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX, USGX (Joint tape and compound, Item 5, optional for use with Type USGX).

X2

USG MEXICO S A DE C V — Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC or WRX.

4A. **Gypsum Board* —** (As 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. Panels attached to steel studs and floor runner with 1 in. long Type S steel screws spaced 8 in. OC when applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. When used in widths other than 48 in., gypsum panels to be installed horizontally.

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

CERTAINTEED GYPSUM INC — Type X, Type C.

CERTAINTEED GYPSUM CANADA INC — Type X, Type C.

GEORGIA-PACIFIC GYPSUM L L C — Types DAP, DAPC, DGG, DS.

LAFARGE NORTH AMERICA INC — Type LGFC6A, LGFC-C/A

UNITED STATES GYPSUM CO — T ype AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX, , USGX (Joint tape and compound, Item 5, optional for use with Type USGX).

USG MEXICO S A DE C V — Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC or WRX.

4B. **Gypsum Board* —** (As an alternate to Items 4 or 4A) — Nom 3/4 in. thick, 4 ft wide, installed as described in Item 4A with screw length increased to 1-1/4 in.

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.

4C. **Gypsum Board* —** As an alternate to Items 4, 4A, and 4B - Nom. 5/8 in. thick gypsum panels, with square edges, applied horizontally. Gypsum panels fastened to framing with 1 in. long bugle head steel screws spaced a max 8 in. OC, with last 2 screws 3/4 in. and 4 in. from each edge of board. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs on interior walls need not be staggered or backed by steel framing.

TEMPLE-INLAND — GreenGlass Type X.

4D. **Gypsum Board* —** As an alternate to Items 4, 4A, 4B, and 4C - Nom. 5/8 in. thick gypsum panels applied horizontally. 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. Gypsum panels fastened to framing with 1 in. long Type S steel screws 1-1/2 in. from board edges, 3 in. from board edge and every 8 in. OC in the field. Screws spaced a max 12 in. along the top and bottom edges of the wall.

NATIONAL GYPSUM CO — Types FSK, FSK-C, FSK-G, FSW-C, FSW-G, FSW.

4E. **Gypsum Board* —** (As an alternate to Items 4 through 4D) - Installed as described in Item 4. 5/8 in. thick, 4 ft. wide, paper surfaced, applied vertically only and fastened to the studs and plates with 1 in. long, Type S steel screws spaced, 8 in. OC. Not to be used with item 6.

NATIONAL GYPSUM CO — SoundBreak XP Type X Gypsum Board

4F. **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 one 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 RB-LBG

4G. **Gypsum Board* —** (As an alternate to Items 4 through 4F) — For use with Items 1D and 2D only, 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.

LAFARGE NORTH AMERICA INC — Type LGFC6A, LGFC-C/A

NATIONAL GYPSUM CO — Types FSW

UNITED STATES GYPSUM CO — Type SCX

4H. **Wall and Partition Facings and Accessories* —** (As an alternate to Items 4 through 4G) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically and secured as described in Item 4.

SERIOUS ENERGY INC — Types QuietRock ES, QuietRock 527.

4I. **Gypsum Board* —** (As an alternate to Items 4 through 4F) — For use with Items 1E and 2E only, 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.

UNITED STATES GYPSUM CO — Type SCX

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 one 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.

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 ULX

UNITED STATES GYPSUM CO — Type ULX

USG MEXICO S A DE C V — Type ULX

5. **Joint Tape and Compound —** Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges.

6. **Resilient Channel —** (Optional-Not Shown) — 25 MSG galv steel resilient channels spaced vertically max 24 in. OC, flange portion attached to each intersecting stud with 1/2 in. long type S-12 pan head steel screws. May not be used with Item 4F or 4J.

6A. **Steel Framing Members (Not Shown)* —** As an alternate to Item 3, furring channels and resilient sound isolation clip as described below:

a. **Furring Channels —** Formed of No. 25 MSG galv steel. 2-3/8 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 No. 6 framing screws, min 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel.

b. **Framing Members* —** Used to attach furring channels (Item a) to studs (Item 1). Clips spaced 48 in. OC., and secured to studs with 1-5/8 in. wafer or hex head Type S steel screw through the center grommet. Furring channels are friction fitted into clips.

PAC INTERNATIONAL INC — Type RSIC-1.

6B. **Framing Members* —** Optional - Not Shown - Used as an alternate method to attach resilient channels (Item 6). Clips attached at each intersection of the resilient channel and the steel studs (Item 2). Resilient channels are friction fitted into clips, and then clips are secured to the stud with min. 1 in. long Type S-12 pan head steel screws through the center hole of the clip and the resilient channel flange.

KEENE BUILDING PRODUCTS CO INC — Type RC Assurance.

7. **Wall and Partition Facings and Accessories* —** (Optional, Not shown) — Nominal 1/2 in. thick, 4 ft wide panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-510 panel is installed between the steel framing and the UL Classified gypsum board, the required UL Classified gypsum board layer(s) is/are to be installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board.

SERIOUS ENERGY INC — Type QuietRock QR-510.

8. **Mineral and Fiber Board* —** (Optional, Not shown) — For optional use as an additional layer on one side of wall. Nom 1/2 in. thick, 4 ft wide with long dimension parallel and centered over studs. Attached to studs and floor and ceiling runners with 1-5/8 in. long Type S steel screws, spaced 12 in. OC. The required UL Classified gypsum board layer(s) is/are to be installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board.

HOMASOTE CO — Homasote Type 440-32

9. **Lead Batten Strips —** (Not Shown, For Use With Item 4E) - 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 board (Item 4E) and optional at remaining stud locations. Required behind vertical joints.

9A. **Lead Batten Strips —** (Not Shown, for use with Item 4J) Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.0625 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 6) and optional at remaining stud locations.

10. **Lead Discs or Tabs —** (Not Shown, For Use With Item 4E) - Used in lieu of or in addition to the lead batten strips (Item 8) 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 4E) 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 4J) Max 5/16 in. diam by max 0.0625 in. thick lead discs compression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.9% meeting the Federal Specification QQ-L-201f, Grade "C".

*Bearing the UL Classification Mark

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS — REGISTERED ARCHITECT — 11547 — NORTH CAROLINA — CHARLOTTE, NC — 12/12/23

MOSELEY ARCHITECTS, P.C. — CORPORATION — REGISTERED — 50149 — NORTH CAROLINA — CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE:
621373	December 12, 2023

REVISIONS

DATE	DESCRIPTION

FIRE RATED ASSEMBLIES

LS3.2

12/11/2023 11:15:09 AM

X3

ONLINE CERTIFICATIONS DIRECTORY

System No. HW-D-0030
XHBN.HW-D-0030
Joint Systems

Page Bottom

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.

XHBN - Joint Systems

See General Information for Joint Systems

System No. HW-D-0030

April 22, 2011

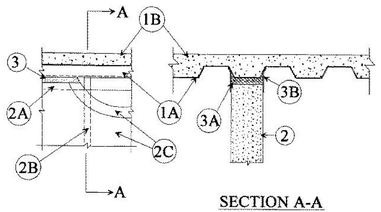
Assembly Rating — 2 Hr

L Rating at Ambient — Less than 1 CFM/Lin Ft

L Rating at 400 F — Less than 1 CFM/Lin Ft

Nominal Joint Width — 1 In.

Class II Movement Capabilities — 19% Compression or Extension



SECTION A-A

1. **Floor Assembly —** The fire-rated fluted steel deck/concrete floor assembly shall be constructed of the materials and in the manner described in the individual Floor-Ceiling Design in the UL Fire Resistance Directory and shall include the following construction features:

A. **Steel Floor And Form Units* —** Max 3 in. (76 mm) deep galv steel fluted floor deck .

A1. **Spray Applied Fire Resistive Material* —** (Optional, not shown) — Prior to the installation of the Forming Material and Fill, Void or Cavity Materials (Items 3A and 3B), the steel floor units may be sprayed with a min 5/16 in. (8 mm) to max 11/16 in (17 mm) thickness of fire resistive material.

GCP APPLIED TECHNOLOGIES INC — Type MK-6/HY.

B. **Concrete —** Min 2-1/2 in. (64 mm) thick reinforced concrete, as measured from the top plane of the floor units.

1A. **Roof Assembly —** (Not Shown)—As an alternate to the floor assembly, a fire rated fluted steel deck roof assembly may be used. The roof assembly shall be constructed of the materials and in the manner described in the individual P700 or P900 Series Roof-Ceiling Design in the UL Fire Resistance Directory. **The hourly rating of the roof assembly shall be equal to or greater than the hourly rating of the wall assembly.** The roof assembly shall include the following construction features:

A. **Steel Roof Deck —** Max 3 in. (76 mm) deep galv steel fluted roof deck.

B. **Roof Insulation —** (P 900 Series) - Min 2-1/4 in. (57 mm) thick poured insulating concrete, as measured from the top plane of the floor units.

C. **Roof Insulation — Mineral and Fiber Board* —** (P 700 Series) — Min 3/4 in. (19 mm) thick boards applied in one or more layers directly over steel or over gypsum board sheathing laid atop steel roof deck.

D. **Spray Applied Fire Resistive Material* —** (P700 Series, not shown)—Prior to the installation of the Deflective Channel, Forming Material and Fill, Void or Cavity Material (Items 3A, 3B, 3C), the steel floor units may be sprayed with a min 5/16 in. (8 mm) to max 11/16 in. (17 mm) thickness of fire resistive material.

GCP APPLIED TECHNOLOGIES INC — Type MK-6/HY

2. **Wall Assembly —** Min 6-1/8 in. (156 mm) thick steel-reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m^3) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks*.**

See **Concrete Blocks** (CAZT) category in Fire Resistance Directory for names of manufacturers.

3. **Joint System — Max separation between bottom of floor or roof and top of wall is 1 in. (25 mm). The joint system is designed to accommodate a max 19 percent compression or extension from its installed width.** The joint system consists of a forming material and a fill material, as follows:

A. **Forming Material* —** Min 6-1/2 in. (165 mm) thickness of min 4 pcf (64 kg/m^3) density mineral wool batt insulation cut a min of 20 percent wider than the gap between the top of the wall and bottom of the steel floor or roof deck . Mineral wool to be compressed and firmly packed into the gap between the top of the wall and bottom of the steel floor or roof deck.

INDUSTRIAL INSULATION GROUP L L C — MinWool-1200 Safing

ROCK WOOL MANUFACTURING CO — Delta Board or Delta-8

ROCKWOOL MALAYSIA SDN BHD — Type Safe

ROXUL INC — Type Safe

THERMAFIBER INC — Type SAF

B. **Fill, Void or Cavity Material* —** Min 1/16 in. (1.6 mm) dry thickness (min 1/8 in. or 3.2 mm wet thickness) of fill material sprayed or brushed on each side of the wall between the top of the wall and the bottom of the steel floor or roof deck to completely cover mineral wool and overlap a min of 1/2 in. (13 mm) onto wall and steel floor or roof deck on both sides of wall. When the steel floor or roof deck is coated with spray applied material, the fill material shall overlap min 2 in. (51 mm) onto the spray applied material.

3M COMPANY — FireDam™ Spray 200

X4

XHBN - Joint Systems

See General Information for Joint Systems

System No. HW-D-0111

December 27, 2019

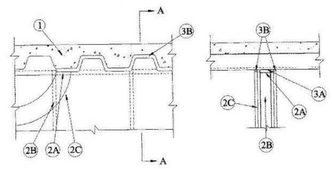
Assembly Ratings — 1 and 2 Hr (See Item 2)

L Rating At Ambient — Less Than 1 CFM/Lin Ft

L Rating At 400 F — Less Than 1 CFM/Lin Ft

Nominal Joint Width — 3/4 In.

Class II Movement Capabilities — 17% Compression or Extension



1. **Floor Assembly —** The fluted steel deck/concrete floor assembly shall be constructed of the materials and in the manner described in the individual D700 or D900 Series Floor-Ceiling Design in the UL Fire Resistance Directory and shall include the following construction features:

A. **Steel Floor and Form Units* —** Max 3 in. (76 mm) deep galv fluted units.

A1. **Spray Applied Fire Resistive Materials* —** (Optional, not shown) — After the installation of ceiling runner or deflection channel (Items 2A, 2A1, 3A) and prior to the installation of the Fill, Void or Cavity Materials (Item 3B), the steel floor units may be sprayed with fire resistive material in accordance with the specifications in the individual D700 Series Design.
GCP APPLIED TECHNOLOGIES INC — Type MK-6/HY

B. **Concrete —** Min 2-1/2 in. (64 mm) thick reinforced concrete, as measured from the top plane of the floor units.

2. **Wall Assembly —** The 1 or 2 fire rated gypsum board/steel stud wall assembly shall be constructed of the materials and in the manner described in the individual U400 or V400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

A. **Steel Floor And Ceiling Runners —** Floor and ceiling runners of wall assembly shall consist of min 1-1/4 in. (32 mm) or 2 in. (51 mm) galv steel channels for D900 and D 700 Series Designs, respectively, sized to accommodate steel studs (Item 2B). When U-shaped deflection channel (Item 3A) is used, ceiling runner installed within the deflection channel with 1 in. (25 mm) gap maintained between the top of ceiling runner and top of deflection plate. When deflection channel is not used, ceiling runner is installed perpendicular to direction of fluted steel deck prior to application of the spray-applied fire resistive material and secured to valleys with steel masonry anchors or by welds spaced max 24 in. (610 mm) OC.

A1. **Light Gauge Framing* - Slotted Ceiling Runner —** As an alternate to the ceiling runner in Item 2A, slotted ceiling runner to consist of galv steel channel with slotted flanges sized to accommodate steel studs (Item 2B). Slotted ceiling runner installed perpendicular to direction of fluted steel deck prior to application of the spray-applied fire resistive material and secured to valleys with steel masonry anchors spaced max 24 in. (610 mm) OC. When slotted ceiling runner is used, deflection channel (Item 3A) shall not be used.
BRADY CONSTRUCTION INNOVATIONS INC, DBA SLIPTRACK SYSTEMS — SLP-TRK

CALIFORNIA EXPANDED METAL PRODUCTS CO — CST

CLARKDIETRICH BUILDING SYSTEMS — Type SLT, SLT-H

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Type SLT

METAL-LITE INC — The System

RAM SALES L L C — RAM Slotted Track

SCAFCO STEEL STUD MANUFACTURING CO

TELLING INDUSTRIES L L C — True-Action Deflection Track

A2. **Light Gauge Framing* — Notched Ceiling Runner —** As an alternate to the ceiling runners in Items 2A through 2A2, notched ceiling runners to consist of C-shaped galv steel channel with notched return flanges sized to accommodate steel studs (Item 2B). Notched ceiling runner installed perpendicular to direction of fluted steel floor deck prior to application of the spray-applied fire resistive material and secured to valleys with steel masonry anchors spaced max 24 in. (610 mm) OC. When notched ceiling runner is used, deflection channel (Item 3A) shall not be used.
OLMAR SUPPLY INC — Type SCR

B. **Studs —** Steel studs to be min 3-1/2 in. (89 mm) wide. Studs cut 1/2 to 3/4 in. (13 to 19 mm) less in length than assembly height. Studs attached to ceiling runner with sheet metal screws a min of 1/2 in. (13 mm) below bottom of deflection channel, when deflection channel is used. When deflection channel is not used, studs shall not be secured to ceiling runner. When slotted ceiling runner (Item 2A1) is used, steel studs secured to slotted ceiling runner with No. 8 by 1/2 in. (13 mm) long wafer head steel screws at midheight of slot on each side of wall. Stud spacing not to exceed 24 in. (610 mm) OC.

C. **Gypsum Board* —** Gypsum board sheets to be installed to a min total thickness of 5/8 or 1-1/4 in. (16 or 32 mm) on each side of the wall for a 1 or 2 hr fire rated wall, respectively. Wall to be constructed as specified in the individual Wall and Partition Design in the UL Fire Resistance Directory, except that the gypsum board is cut to fit the contour of the steel floor units or the contour of the spray applied material with a nom 3/4 in. (19 mm) gap. The screws attaching the gypsum board to studs at the top of the wall shall be located 1 in. (25 mm) below the bottom of the deflection channel, when deflection channel is used. When deflection channel is not used, the screws attaching the gypsum board to studs at the top of the wall shall be located 1 in. (25 mm) below the bottom of the ceiling runner (Item 2A) or slotted ceiling runner (Item 2A1). **The hourly fire rating of the joint system is dependant on the hourly fire rating of the wall.**

3. **Joint System — Max separation between bottom of floor or spray applied material and top of wall is 3/4 in. (19 mm). The joint system is designed to accommodate a max 17 percent compression or extension from its installed width.** The joint system consists of a deflection channel and a fill material, as follows:
A. **Deflection Channel —** (Optional) — A nom 3 -1/2 in. (89 mm) wide by min 2 in. (51 mm) deep, min 24 galv steel U shaped channel. Deflection channel installed perpendicular to direction of fluted steel deck prior to application of the spray-applied fire resistive material and secured to valleys with steel masonry anchors or by welds spaced max 24 in. (610 mm) OC. The ceiling runner (Item 2A) is installed within the deflection channel to maintain a 1 in. (25 mm) gap between the top of the ceiling runner and the top of the deflection channel. The ceiling runner is not fastened to the deflection channel.

B. **Fill, Void or Cavity Material* — Caulk —** Min 5/8 in. (16 mm) thickness of fill material installed on each side of the wall between the top of the gypsum board and all surfaces of the steel floor units or spray applied material, flush with each surface of gypsum board.
3M COMPANY — FD-150+

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

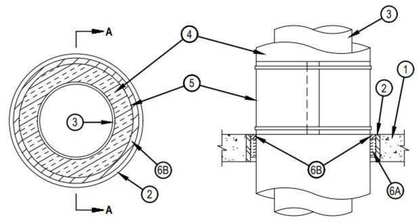
X5

CLASSIFIED C UL US
Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

System No. C-AJ-5069

CAJ 5069

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 2 Hr	F Rating — 2 Hr
T Ratings — 0 & 1 Hr (See Item 4)	T Ratings — 0 & 1 Hr (See Item 4)
	FH Rating — 2 Hr
	T Ratings — 0 & 1 Hr (See Item 4)



SECTION A-A

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 assembly may also be constructed of any 6 in. (152 mm) thick UL Classified hollow-core Precast Concrete Units*. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 22 in. (559 mm) except that for hollow-core precast concrete unit floors, m ax diameter of opening is 7 in. (178 mm).
See Concrete Blocks (CAZT) category and Precast Concrete Units CFTV) categories in the Fire Resistance Directory for names of manufacturers.
2. Metallic Sleeve — (Optional) — Nom 22 in. (559 mm) diam (or smaller) Schedule 40 steel pipe cast or grouted into floor or wall assembly, flush with floor or wall surfaces.
3. Through Penetrants — One metallic pipe or tubing to be positioned within the firestop system. Pipe or tubing to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes or tubing may be used:
A. Steel Pipe — Nom 12 in. (305 mm) diam (or smaller) Schedule 40 (or heavier) steel pipe.
B. Copper Tubing — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.
C. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.

System No. C-AJ-5069

CAJ 5069

4. Pipe Covering Materials* — Cellular Glass Insulation — Nom 1-1/2 in. to 3 in. (38 to 76 mm) thick cellular glass pipe insulation sized to the outside diam of the steel pipe or tube and installed in accordance with the manufacturer's instructions. T, FT and FTH Ratings are 0 hr when nom thickness of pipe insulation is is less than 3 in. (76 mm). T Rating is 1 hr when nom 3 in. (76 mm) thick pipe insulation is used. The annular space shall be min 3/4 in. (19 mm) to max 3 in. (76 mm).
5. Metal Jacket — Min 12 in. (305 mm) long jacket formed of min 0.010 in. (0.254 mm) thick steel or aluminum sheet cut to wrap tightly around the pipe insulation with a min 2 in. (51 mm) lap. Jacket secured with min 1/2 in. (13 mm) wide stainless steel hose clamps or bands located within 2 in. (51 mm) of each end of the jacket and spaced a max of 10 in. (254 mm) OC. Jacket to be installed with abutting surface of sealant (Item 6B) on top of floor or both surfaces of wall.
6. Firestop System — The firestop system shall consist of the following:
A. Packing Material — Min 3 in. (76 mm) thickness of min 4.0 pcf (64 kg/m3) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material. In hollow-core precast concrete unit floors, an additional min 1 in. (25 mm) thickness of packing material shall be tightly packed within annular space flush with bottom surface of floor.
B. Fill, Void or Cavity Material* — Sealant — Min 3/4 in. (19 mm) thickness of fill material applied within the annulus, flush with the top surface of the floor or with both surfaces of the 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.

X6

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.

XHEZ - Through-penetration Firestop Systems

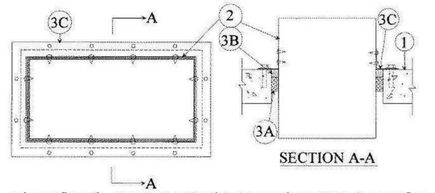
See General Information for Through-penetration Firestop Systems

System No. C-AJ-7008

January 07, 2010

F Rating — 1-1/2 Hr

T Rating — 1/2 Hr



SECTION A-A

1. **Floor or Wall Assembly —** Min 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks*.** Max area of opening is 364 sq in. with max dimensions of 26 in. See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. **Steel Duct —** Nom 24 by 12 in. (or smaller) No. 24 gauge (or heavier) steel duct. One duct to be installed within the firestop system with a nom 1 in. annular space. Steel duct to be rigidly supported on both sides of floor or wall assembly.

3. **Firestop System —** The firestop system shall consist of the following:
A. **Packing Material —** Min 2 in. thickness of min 4 pcf mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor and from both surfaces of wall as required to accommodate the required thickness of fill material.

B. **Fill, Void or Cavity Material* — Sealant —** Min 1 in. thickness of fill material applied within the annulus, flush with top surface of floor and both surfaces of wall.
RECTORSEAL — FS 1900 Sealant

C. **Steel Angle —** Min 2 in. wide by 3 in. high by 0.108 in. thick steel angle cut to fit the contour of the duct with a 1 in. lap on the top surface of floor or both surfaces of wall. Horizontal leg of angle secured to top surface of floor or both surfaces of wall by means 1/4 in. diam by 1-3/4 in. long steel concrete fasteners spaced a max 6 in. OC. Vertical leg of angle secured to duct with min two No. 8 by 3/4 in. sheet metal screws per side, spaced a max 6 in. OC.

*** 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 2010-01-07

Feedback

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS REGISTERED ARCHITECT 11547 NORTH CAROLINA CHARLOTTE, NC 12/12/23

MOSELEY ARCHITECTS CORPORATE NUMBER C-2683 50149 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE:
621373	December 12, 2023

REVISIONS

DATE	DESCRIPTION

FIRE RATED ASSEMBLIES

LS3.3

12/11/2023 11:15:10 AM

SECURITY WALL LEGEND

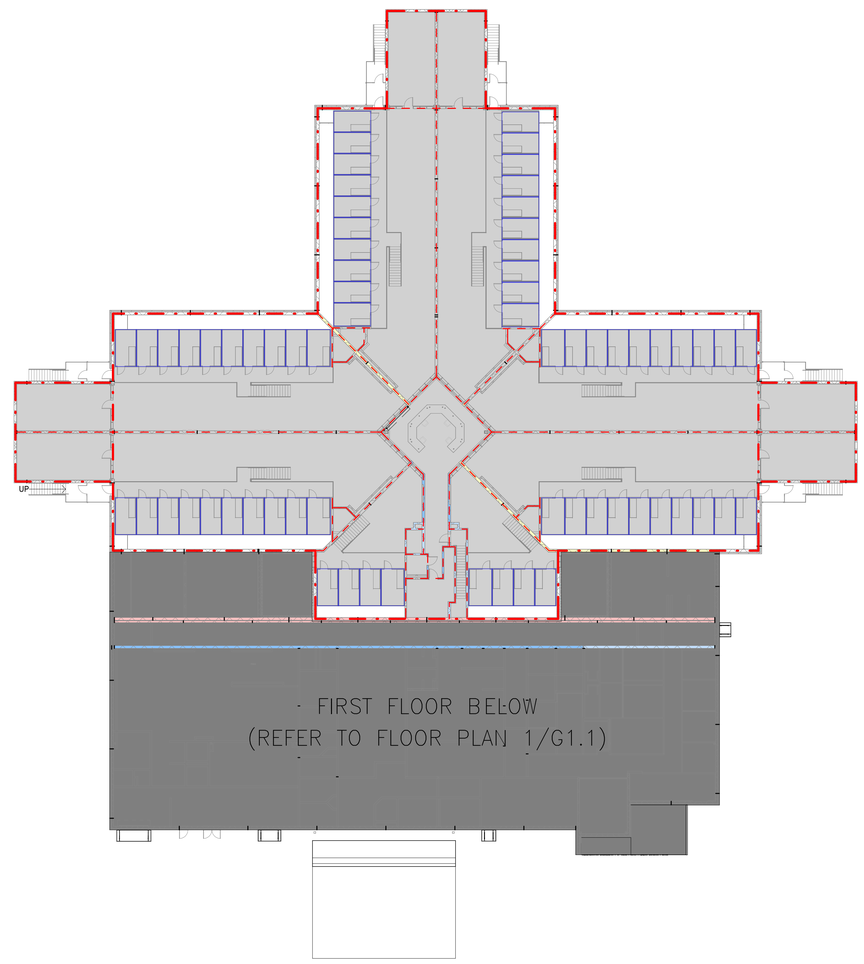
PERIMETER SECURITY WALL (MASONRY) WITH #4 VERT. REINFORCING STEEL @ MAX 8' OC. ALL WALLS SHALL BE GROUTED SOLID.

INTERIOR SECURITY WALL (MASONRY) WITH #4 VERT. REINFORCING STEEL @ MAX 16' OC. ALL WALLS SHALL BE GROUTED SOLID.

STEEL CELL WALL PER DIVISION 13

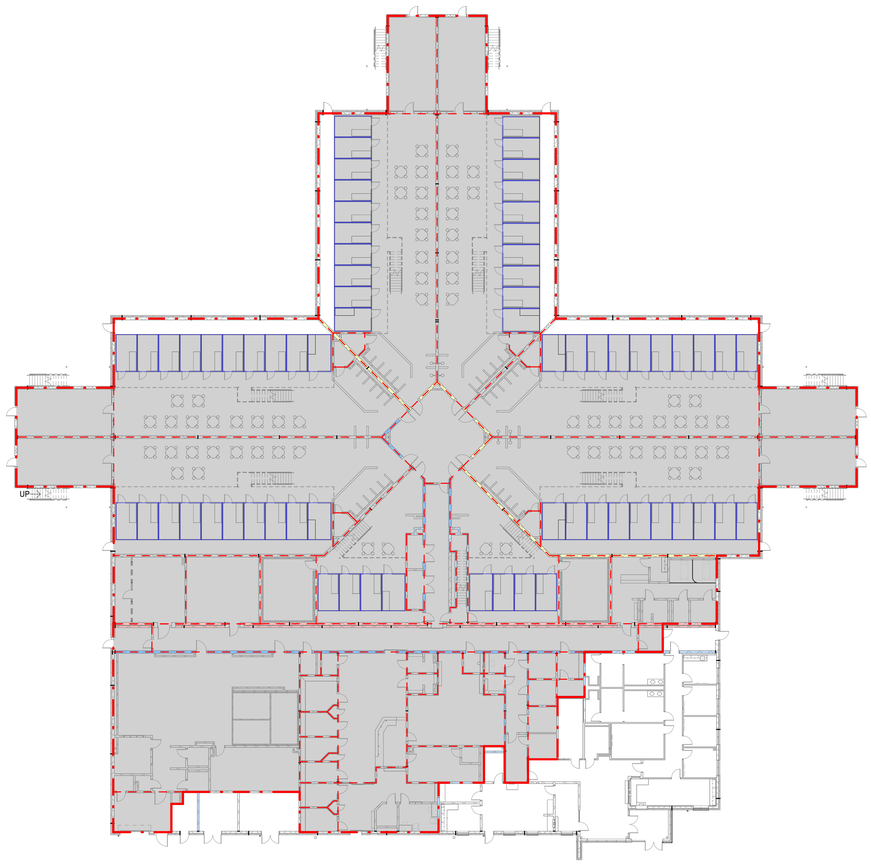
SHADED AREA INDICATES SECURE AREA: ALL ELECTRICAL & HVAC ITEMS (INCLUDING FASTENERS), ACCESS DOORS & SEALANTS SHALL BE SECURITY GRADE. ALL SPRINKLER HEADS SHALL BE INSTITUTIONAL GRADE. ALL SCREWS & FASTENERS USED IN THESE AREAS SHALL BE SECURITY TYPE.

NOTE: COORDINATE ALL REINFORCING LOCATIONS IN SECURITY WALLS WITH STRUCTURAL WALL REQUIREMENTS, MOST STRINGENT CONDITION SHALL GOVERN.



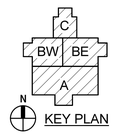
2 A8.1.1 G1.1 **TIER LEVEL - SECURITY WALLS FLOOR PLAN**
3/64" = 1'-0"

0' 4' 10' 20' 40'
3/64" = 1'-0"



1 A3.1.1 G1.1 **FIRST FLOOR - SECURITY WALLS FLOOR PLAN**
3/64" = 1'-0"

0' 4' 10' 20' 40'
3/64" = 1'-0"



MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS
REGISTERED ARCHITECT
11547
NORTH CAROLINA
CHARLOTTE, NC
12/12/23

MOSELEY ARCHITECTS, P.A.
REGISTERED ARCHITECTURAL CORPORATION
50149
NORTH CAROLINA
CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE:
621373	December 12, 2023

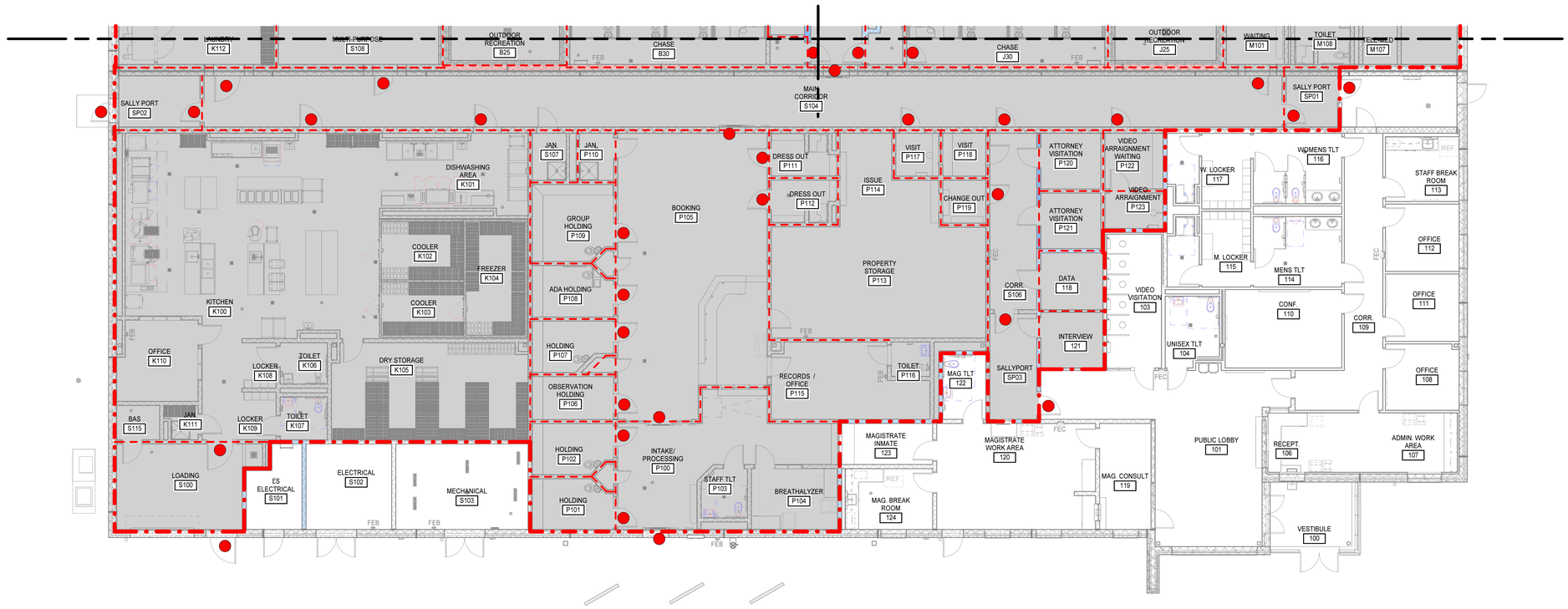
REVISIONS

DATE	DESCRIPTION

SECURITY WALL FLOOR PLANS

G1.1

12/13/2023 9:29:08 AM



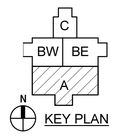
N

LEVEL 1 - PART A

1/8" = 1'-0"

0' 2' 4' 8' 16'

1/8" = 1'-0"



KEY PLAN

MOSELEY ARCHITECTS

6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS REGISTERED ARCHITECT 11547 NORTH CAROLINA CHARLOTTE, NC 12/12/23

MOSELEY ARCHITECTS P.A. REGISTERED CORPORATION 50149 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE
621373	December 12, 2023

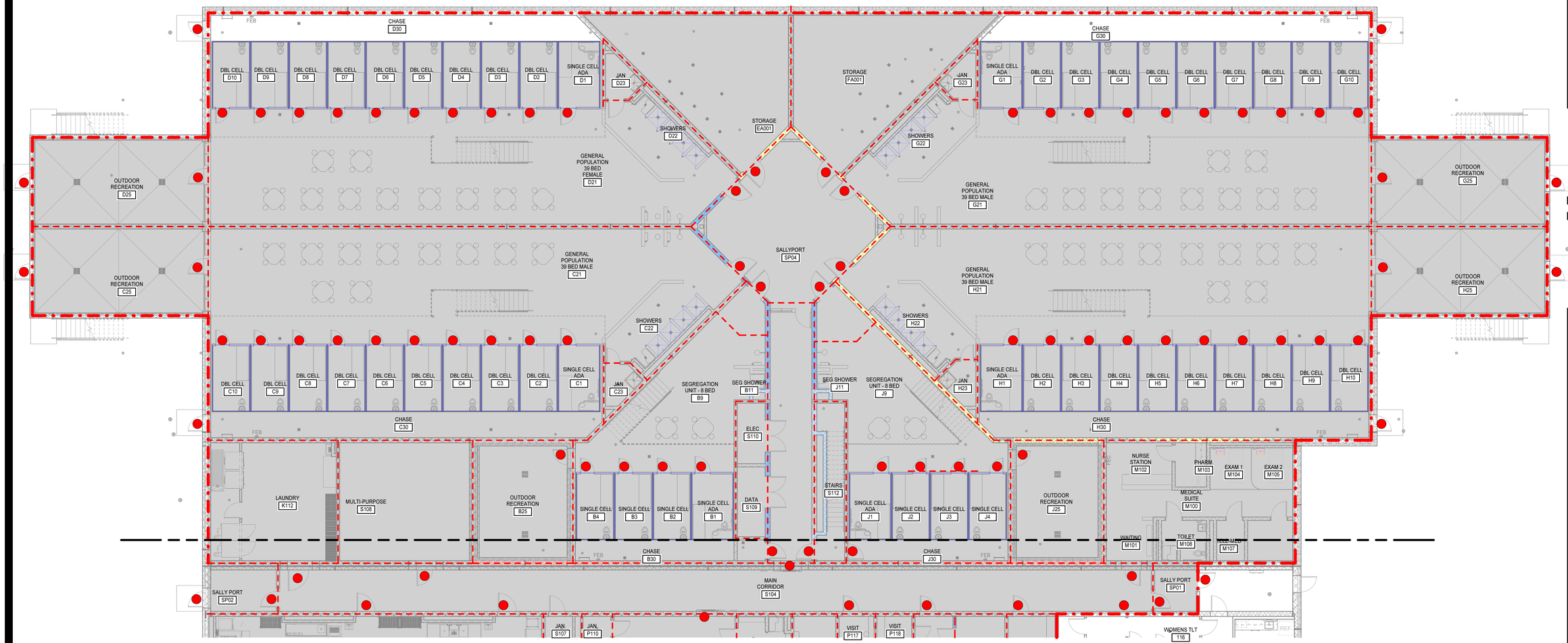
REVISIONS

DATE	DESCRIPTION

SECURE AREA & SECURITY WALLS - PART A

G1.1.1

12/11/2023 1:18:20 PM



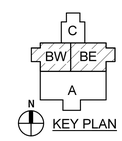
N

LEVEL 1 - PART B

1/8" = 1'-0"

0' 2' 4' 8' 16'

1/8" = 1'-0"



MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS REGISTERED ARCHITECT 11547 NORTH CAROLINA CHARLOTTE, NC 12/12/23

MOSELEY ARCHITECTS P.C. REGISTERED CORPORATION 50149 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO:	DATE:
621373	December 12, 2023

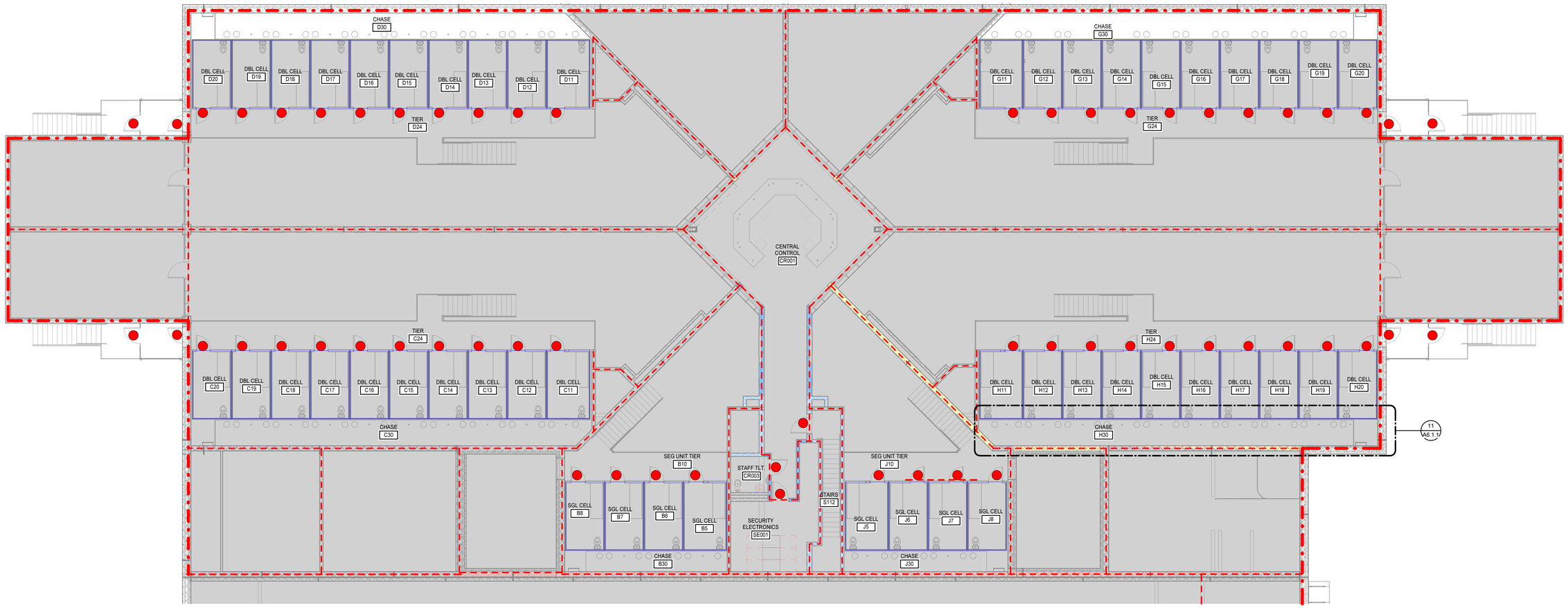
REVISIONS

DATE	DESCRIPTION

SECURE AREA & SECURITY WALLS - PART B

G1.1.2

12/11/2023 1:18:39 PM



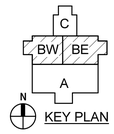
N

TIER LEVEL - PART B

1/8" = 1'-0"

0' 2' 4' 8' 16'

1/8" = 1'-0"



KEY PLAN

12/11/2023 1:18:50 PM

MOSELEY ARCHITECTS

6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPAVNS
REGISTERED ARCHITECT
11547
NORTH CAROLINA
CHARLOTTE, NC
12/12/23

MOSELEY ARCHITECTS, P.C.
CORPORATION
50149
NORTH CAROLINA
CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

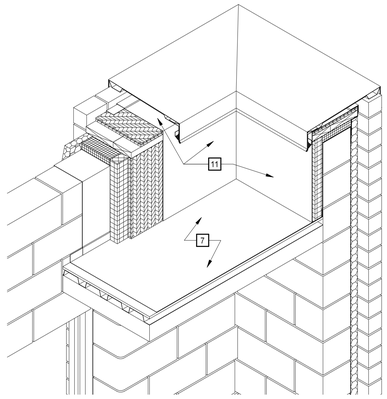
PROJECT NO.	DATE:
621373	December 12, 2023

REVISIONS

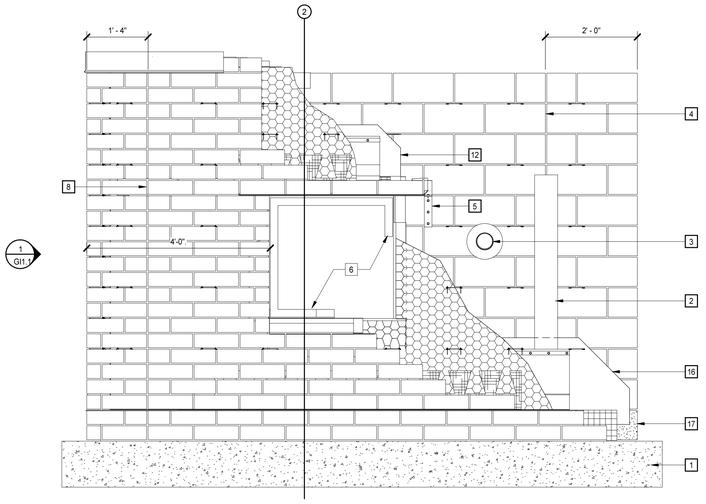
DATE	DESCRIPTION

SECURE AREA & SECURITY WALLS - PART B TIER

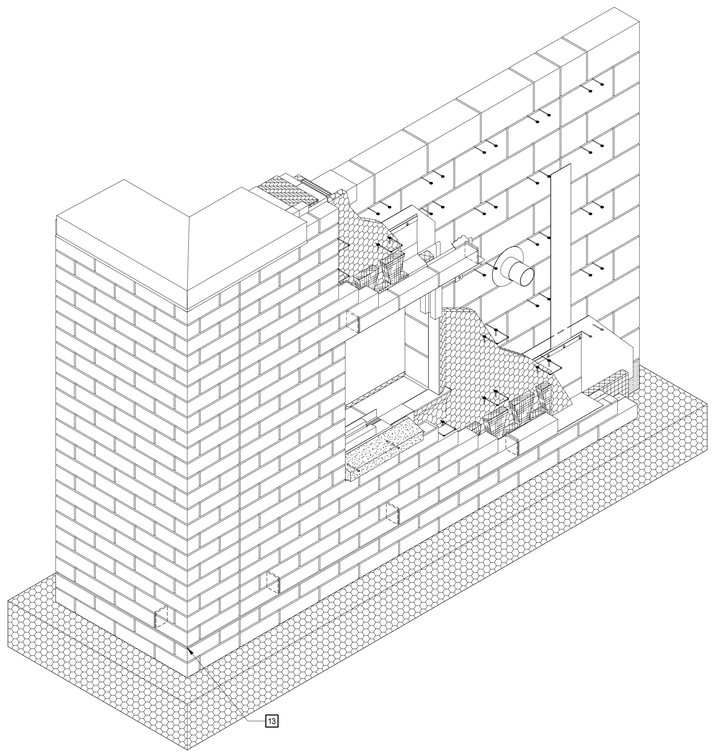
G1.1.3



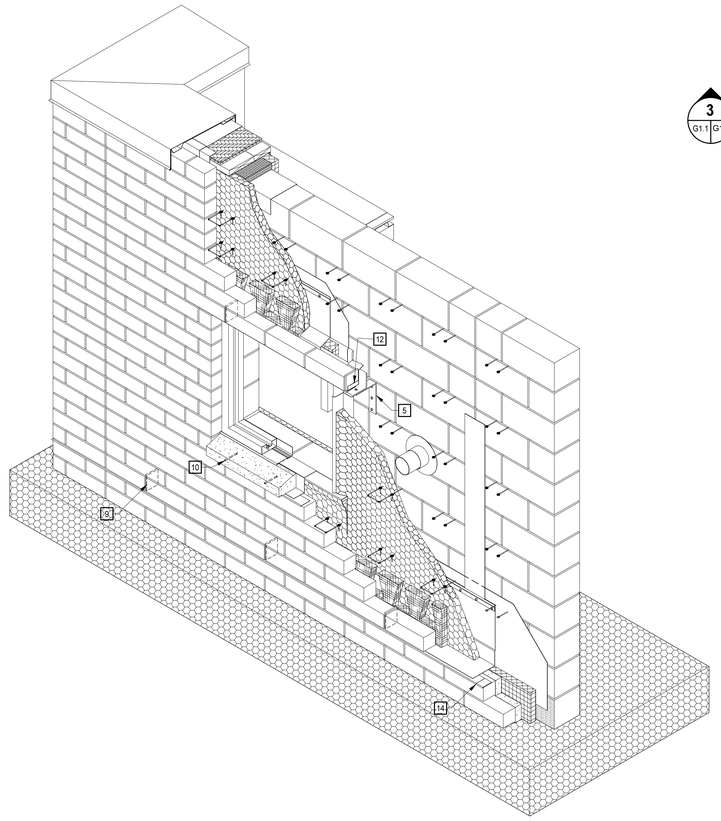
6 TYP G1.2 **INTEGRATED MOCKUP ISOMETRIC**
1" = 1'-0"



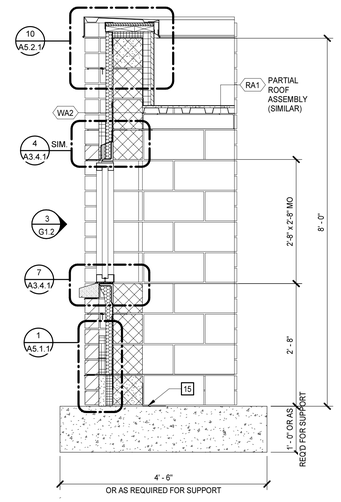
3 G1.1 G1.2 **INTEGRATED MOCKUP FRONT ELEVATION**
3/4" = 1'-0"



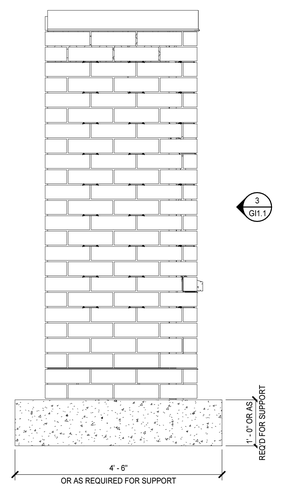
5 TYP G1.2 **INTEGRATED MOCKUP ISOMETRIC**
3/4" = 1'-0"



4 TYP G1.2 **INTEGRATED MOCKUP ISOMETRIC**
3/4" = 1'-0"



2 G1.2 G1.2 **INTEGRATED MOCKUP SECTION**
3/4" = 1'-0"



1 G1.1 G1.2 **INTEGRATED MOCKUP SIDE ELEVATION**
3/4" = 1'-0"

EXTERIOR INTEGRATED MOCKUP PANEL DRAWINGS ARE CONCEPTUAL IN NATURE AND COMPLEMENT OTHER RELATED DRAWINGS AND DETAILS. USE EXTERIOR INTEGRATED MOCKUP PANEL TO DEMONSTRATE AN UNDERSTANDING OF THE MATERIAL INTEGRATION, SEQUENCING, AND PROCESSES REQUIRED TO COORDINATE THESE COMPONENTS AND BUILDING EXTERIOR WALL ASSEMBLY.

REFER TO RELATED AND REFERENCED DETAILS, SECTIONS, WALL ASSEMBLIES, AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

CONSTRUCT IN "STEPPED BACK" METHOD AS SHOWN. LEAVE AND PROTECT INDICATED MATERIALS EXPOSED UNTIL PANEL IS DEMOLISHED.

KEYNOTES

APPLIES TO DRAWING GI2.1 ONLY
REPRESENTED BY X

1. CONCRETE PAD - SIZE AS REQUIRED TO PROVIDE SUPPORT FOR ENTIRE INTEGRATED MOCKUP PANEL. PROVIDE SUPPLEMENTAL DIAGONAL BRACING IF REQUIRED TO SUPPORT ENTIRE PANEL.
2. TRANSITION MEMBRANE OVER JOINT
3. 4" DIA PIPE PENETRATION W/ TRANSITION MEMBRANE SURROUND
4. JOINT IN CMU ONLY. PREP FOR TRANSITION MEMBRANE ON EXTERIOR SIDE W/ SEALANT SELECTED BY ARCHITECT ON INTERIOR SIDE.
5. PROVIDE GALVANIZED OR STAINLESS STEEL BRACKET AND SECUREMENT AS REQUIRED TO SUPPORT END OF LOOSE STEEL ANGLE LINTEL
6. CUT FRAME AS INDICATED - GLAZING NOT REQUIRED
7. 2'-0"W x 4'-0"L STEEL DECK ON 4"x4" STEEL ANGLE SUPPORT BOLTED TO SOLID CMU WITH ROOF SUBSTRATE BOARD AND AIR BARRIER MEMBRANE SHEET.
8. JOINT IN VENEER ONLY W/ SEALANT SELECTED BY ARCHITECT
9. CELL VENT WEEPS
10. TUBE WEEPS UNDER SILL
11. ROOF MEMBRANE UP PARAPET WALL AND OVER BLOCKING
12. FORM END DAM AT HEAD/JAMB
13. CLIP/CUT DRIP EDGE TO FORM RADIUS AROUND CORNER - AVOID POINTED/SHARP EDGES
14. PROVIDE AND SEAL JOINT AT DRIP EDGE
15. 1'-0" H x4'-0" L VAPOR/AIR BARRIER UNDERSLAB MEMBRANE, SPAN JOINT IN CMU. DEMONSTRATE ADHERENCE TO CMU AND CUT-OFF METHOD.

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS REGISTERED ARCHITECT 11547 NORTH CAROLINA CHARLOTTE, NC 12/12/23

MOSELEY ARCHITECTS, P.C. CORPORATE REGISTRATION 50149 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE:
621373	December 12, 2023

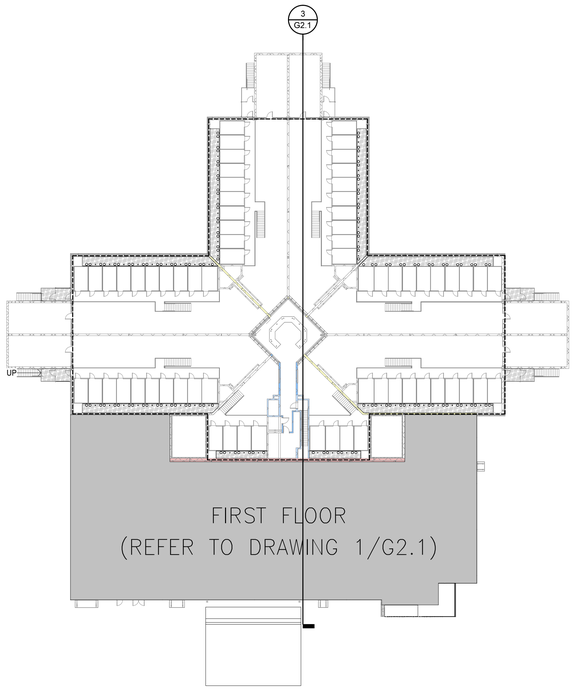
REVISIONS

DATE	DESCRIPTION

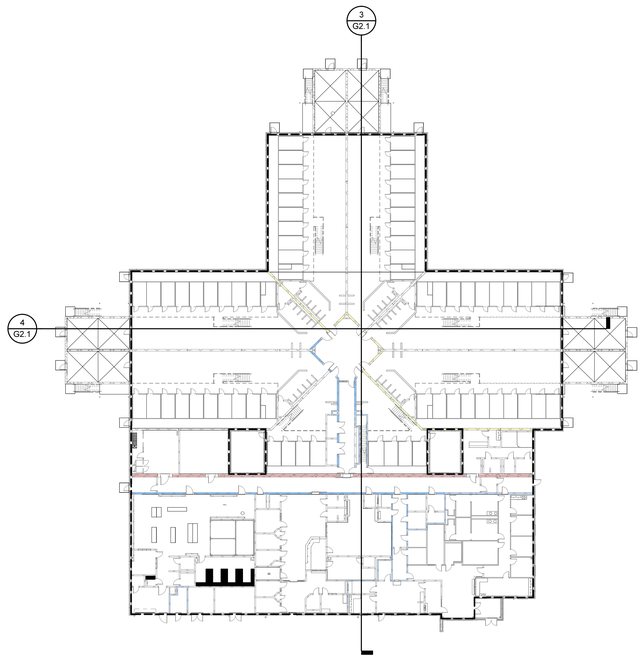
INTEGRATED MOCKUP PANEL

G1.2

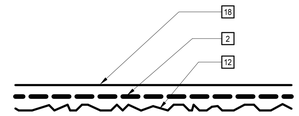
12/11/2023 1:18:51 PM



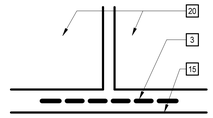
2 A6.1.1 | G2.1 **AIR BARRIER CONCEPT PLAN - SECOND FLOOR**
1/32" = 1'-0"



1 A3.1.1 | G2.1 **AIR BARRIER CONCEPT PLAN - FIRST FLOOR**
1/32" = 1'-0"

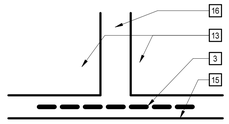


PLANE OF SLAB-ON-GRADE

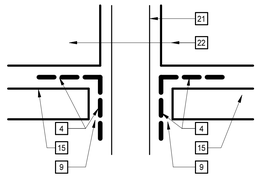


PLAN OR SECTION VIEW

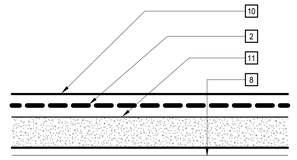
DISSIMILAR MATERIALS



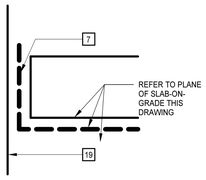
EXTERIOR WALL JOINTS



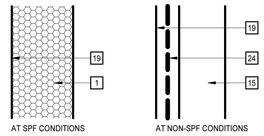
WALL PENETRATIONS



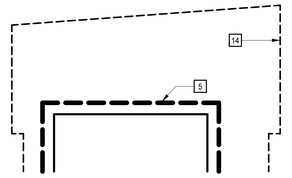
PLANE OF ROOF



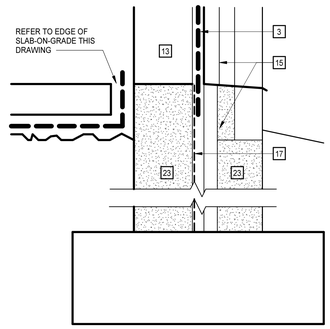
EDGE OF SLAB-ON-GRADE



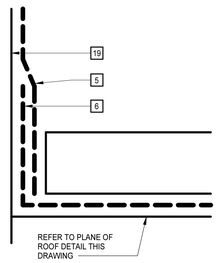
PLANE OF EXTERIOR WALL



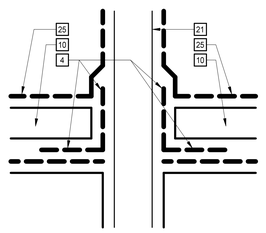
PARAPET



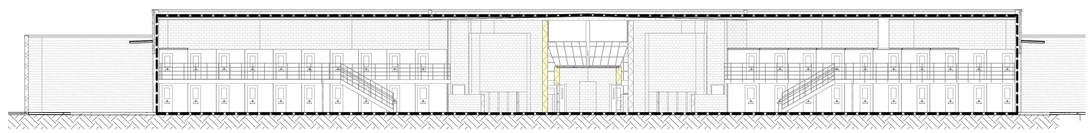
FOOTING/FOUNDATION



ROOF TO WALL



ROOF PENETRATIONS



4 G2.1 | G2.1 **AIR BARRIER CONCEPT SECTION**
1/16" = 1'-0"



3 G2.1 | G2.1 **G2.1 - AIR BARRIER_SECTION 2**
1/16" = 1'-0"

AIR BARRIER KEYNOTES

APPLIES TO DRAWINGS G2.1
REPRESENTED BY n

1. SPF AIR BARRIER
2. VAPOR/AIR BARRIER MEMBRANE
3. AIR BARRIER TRANSITION STRIP
4. AIR BARRIER TRANSITION STRIP AROUND ENTIRE PENETRATION
5. AIR BARRIER MEMBRANE - LAP AND CONTINUE UP AND OVER PARAPET
6. VAPOR/AIR BARRIER MEMBRANE - TURN UP, PROVIDE CONTINUOUS AIR-TIGHT SEAL AND ADHERE TO WALL AND TERMINATE PER MFR INSTRUCTIONS
7. VAPOR/AIR BARRIER MEMBRANE - EXTEND UP FACE OF WALL, PROVIDE CONTINUOUS AIR-TIGHT SEAL AND ADHERE TO WALL, THEN CUT OFF FLUSH WITH TOP OF SLAB
8. ROOF DECK
9. FULLY SEAL BETWEEN INSULATION AND PENETRATION ITEM
10. ROOF INSULATION
11. SUBSTRATE BOARD
12. POROUS FILL
13. EXTERIOR WALL INNER WYTHE
14. COPING - OUTLINE MAY VARY
15. CAVITY INSULATION
16. JOINT WIDTH VARIES
17. DAMPPROOFING
18. SLAB-ON-GRADE
19. FACE OF WALL, SHEATHING OR VERTICAL ELEMENT
20. DISSIMILAR MATERIALS
21. PENETRATING ITEM
22. MATERIAL OR WALL BEING PENETRATED
23. GROUTED SOLID MASONRY - SERVES AS AIR BARRIER
24. AIR BARRIER SYSTEM
25. ROOF MEMBRANE

FLOOR PLAN/BUILDING SECTION LEGEND

EXTENT OF AIR BARRIER MEMBRANE / MATERIAL / SYSTEM AND EXTERIOR BUILDING ENVELOPE ENCLOSURE

THIS DRAWING DEPICTS THE EXTENT OF THE AIR BARRIER MEMBRANE / MATERIAL / SYSTEM AND EXTERIOR BUILDING ENVELOPE ENCLOSURE. THE DRAWING IS CONCEPTUAL IN NATURE AND IS COMPLEMENTARY TO OTHER AIR BARRIER AND BUILDING ENVELOPE ENCLOSURE DETAILS, SECTIONS, ASSEMBLIES, AND SPECIFICATIONS.

THE UNDERSLAB VAPOR / AIR BARRIER MATERIAL IN ASSOCIATION WITH THE AIR BARRIER MEMBRANE / MATERIAL ON THE WALLS AND ROOF COMPOSE THE EXTERIOR BUILDING ENVELOPE ENCLOSURE TO PREVENT AIR INFILTRATION AND EXFILTRATION.

THE EXTERIOR BUILDING ENVELOPE ENCLOSURE MAY EXTEND WITHIN EXTERIOR WALLS WHERE THE INTERIOR AND EXTERIOR ENVIRONMENTS ARE NOT SEPARATED (E.G., MECHANICAL AND ELECTRICAL ROOMS, STAIRS, ELEVATORS, AND SIMILAR UNCONDITIONED SPACES). IN SUCH AREAS, MAINTAIN AIR BARRIER CONTINUITY AT THE PARTITIONS SEPARATING THEM FROM CONDITIONED SPACES, SEALING ALL PENETRATIONS, VOIDS, AND GAPS FROM FLOOR TO DECK ABOVE. WHERE SUCH AREAS HAVE PAINTED MASONRY PARTITIONS WITH ADJACENT, SUSPENDED CEILINGS, CONTINUE PAINT FINISH ABOVE CEILINGS FULL HEIGHT TO DECK.

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS REGISTERED ARCHITECT 11547 NORTH CAROLINA CHARLOTTE, NC 12/12/23

MOSELEY ARCHITECTS, P.C. CORPORATE REGISTRATION 50149 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO:	DATE:
621373	December 12, 2023

REVISIONS

DATE	DESCRIPTION

GENERAL INFORMATION - AIR BARRIER

G2.1

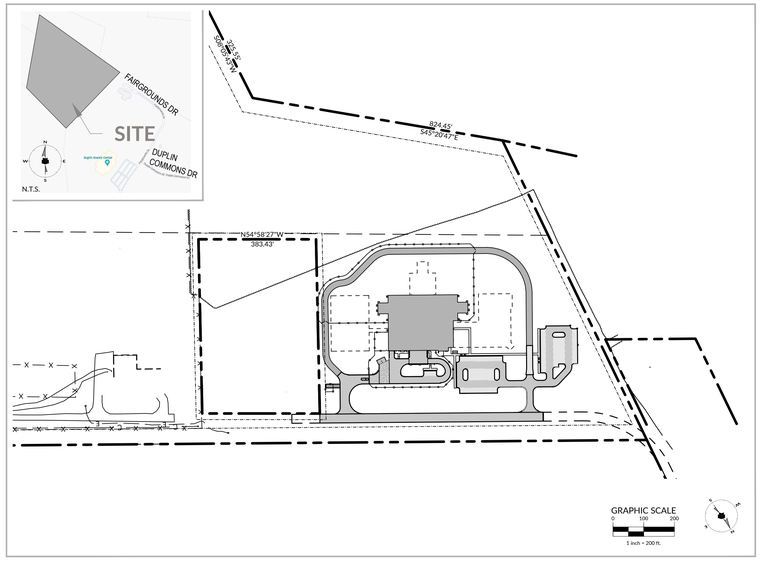
12/11/2023 1:19:03 PM

SITE AND CONSTRUCTION PLANS

DUPLIN COUNTY DETENTION CENTER

275 FAIRGROUNDS DRIVE | KENANSVILLE, NC | DUPLIN COUNTY

AUGUST 25, 2023
UPDATED DECEMBER 12, 2023



SHEET INDEX

SHEET NUMBER	SHEET TITLE
C0.00	COVER
C0.01	GENERAL NOTES
C1.00	OVERALL EXISTING CONDITIONS
C1.01	EXISTING CONDITIONS
C1.10	TREE PRESERVATION PLAN
C2.00	OVERALL SITE PLAN
C2.01	DETAILED SITE PLAN
C2.02	FIRE APPARATUS PLAN
C3.00	GRADING AND STORM DRAINAGE PLAN
C4.00	OVERALL UTILITY PLAN
C4.01	UTILITY PLAN
C4.02	SANITARY PLAN & PROFILE
C4.03	SANITARY PLAN & PROFILE
C4.04	DRIVE EXTENSION PLAN & PROFILE
C5.00	SITE DETAILS
C5.01	SANITARY SEWER DETAILS
C5.02	WATER DETAILS
C5.03	STORMWATER DETAILS
C6.00	OVERALL EROSION CONTROL PLAN (STAGE 1)
C6.01	EROSION CONTROL PLAN (STAGE 1)
C6.02	OVERALL EROSION CONTROL PLAN (STAGE 2)
C6.03	EROSION CONTROL PLAN (STAGE 2)
C7.01	EROSION CONTROL NOTES & DETAILS
C7.02	NCG-01 NOTES AND DETAILS
L1.00	LANDSCAPE PLAN
L2.00	LANDSCAPE DETAILS
SL1.00	LIGHTING EXHIBIT

SITE DATA TABLE

DUPLIN COUNTY PROJECT NO.	J-378
PARCEL PIN NO.	340300487875 DEED BOOK 1264, PAGE 305
TOTAL PROJECT AREA (ACRES)	10.30 AC
WATERSHED	CAPE FEAR RIVER BASIN
EXISTING ZONING & LAND USE	I (INDUSTRIAL DISTRICT)
PROPOSED USE	DETENTION CENTER
SETBACKS:	
FRONT	50'
SIDE	20'
REAR	50'
CORNER	N/A
OPEN SPACE:	
MINIMUM OPEN SPACE REQUIRED	TBD
PROPOSED OPEN SPACE	TBD

INFRASTRUCTURE DATA TABLE

	PHASE 1
8" PUBLIC WATER MAIN [LF]	2295
6" PUBLIC WATER MAIN [LF]	285
8" PRIVATE SEWER MAIN [LF]	935
6" PRIVATE SEWER SERVICE	215
STORM DRAINAGE [LF]	1095
SCM'S >5 AC.	NOT REQUIRED
IMPERVIOUS SURFACE [SF.]	111452
SEWER FLOW (360 GAL/UNIT)[GPD]	TBD
PUBLIC SIDEWALK [LF]	N/A

PARKING CALCULATIONS

PARKING REQUIRED
1 SPACE / EMPLOYEE = 1 SPACE / 3 INMATES + 1 SPACE / VISITOR
30 EMPLOYEES + 136 INMATES / 3 + 10 VISITORS = 86 SPACES
(MAX. 125% = 106 SPACES)

(NOTE: EACH PARKING AREA WILL INCLUDE LESS THAN 50 SPACES)

PARKING PROVIDED
104 PARKING SPACES (INCLUDES 5 ACCESSIBLE PARKING SPACES)

BIKE RACKS REQUIRED
1 SPACE PER 10 REQUIRED CAR SPACES = 8 BIKE SPACES (4 RACKS)

BIKE RACKS PROVIDED
8 BIKE SPACES (4 RACKS @ 2 BIKES / RACK

CONTACT LIST:

PROJECT ENGINEER
DAVE BARTONE, PE
WITHERSRAVENEL
115 MACKENAN DRIVE
CARY, NC 27511
919-469-3340
DBARTONE@WITHERSRAVENEL.COM

OWNER'S REPRESENTATIVE
GEORGE WOOD
DUPLIN COUNTY
224 SEMINARY STREET
KENANSVILLE, NC 28349
910-269-2100
GEORGE.WOOD@DUPLINCOUNTYNC.COM

PROJECT ARCHITECT
GEOFF ACKER, AIA
MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD AT THE HUB AT WAVERLY
SUITE 425 CHARLOTTE, NC 28277
919-840-0091
GACKER@MOSELEYARCHITECTS.COM

811 Know what's below. Call before you dig.

DocuSigned by: David D. Bartone 12/12/2023
PRELIMINARY
NOT APPROVED FOR CONSTRUCTION
DAVE D. BARTONE

PREPARED BY:

WithersRavenel
115 MacKenan Drive | Cary, NC 27511
License #: F-1479 | t: 919.469.3340 | www.withersravenel.com

DEVELOPER:

224 SEMINARY STREET
KENANSVILLE, NC 28349
PHONE #: 910-269-2100
ATTENTION: ----

DUPLIN COUNTY NORTH CAROLINA

SITE AND CONSTRUCTION PLANS
DUPLIN COUNTY
DETENTION CENTER
WR PROJECT NO.02220710
KENANSVILLE:
MUNI PRO NO:Muni Proj. No.

811 Know what's below. Call before you dig.

WithersRavenel
Engineers | Planners | Surveyors
115 MacKenan Drive | Cary, NC 27511 | t: 919.469.3340 | license #: F-1479 | www.withersravenel.com

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

PRELIMINARY
NOT APPROVED FOR CONSTRUCTION

DUPLIN COUNTY DETENTION CENTER

SITE AND CONSTRUCTION DRAWINGS

DUDHSR# J-378
DUPLIN COUNTY NC
KENANSVILLE, NORTH CAROLINA

MA PROJECT NO: 621373
WR PROJECT NO:02220710
DATE: 08/25/2023

REVISIONS

DATE	DESCRIPTION
12-12-2023	BID SET

COVER

C0.00

k:\22\22-0710\220710-duplin co detention ctr\ w complete\CAD\drawing sets\design development plans\220610DA01.dwg, 12/11/2023 - 8:04, STEVE

SURVEY NOTES:

1. THE FOLLOWING INFORMATION WAS USED FOR THE EXISTING SURVEY:
   a. COORDINATE SYSTEM: NORTH CAROLINA STATE PLANE FOOT
   b. PROJECT HORIZONTAL DATUM: NAD 83/2011
   c. VERTICAL DATUM: NAVD 88
   d. COORDINATE UNITS: US SURVEY FEET
   e. VERTICAL UNITS: US SURVEY FEET
2. PROPERTY BOUNDARY AND TOPOGRAPHIC SURVEY SHOWN AS PROVIDED BY JOHNNY J. WILLIAMS LAND SURVEYING, P.C DATED JANUARY 10, 2023.
3. PROPERTY DOES NOT FALL WITHIN FEMA FLOODPLAIN PER FEMA FIRM 3720340200J, EFFECTIVE DATE FEBRUARY 16, 2006.
4. NO DETERMINATION HAS BEEN MADE BY THE SURVEYOR AS TO THE FOLLOWING: UNDERGROUND STORAGE FACILITIES, UNDERGROUND UTILITIES, GRAVES, CEMETERIES, BURIAL GROUNDS, HAZARDOUS WASTE DEPOSITS OR MATERIALS.
5. SURVEY CONTROL POINTS PROVIDED IN NC STATE PLANE COORDINATES. ALL PROPOSED COORDINATES ARE GROUND COORDINATES. THE CONTRACTOR'S SURVEYOR IS RESPONSIBLE FOR ANY CONVERSIONS NEEDED FOR THE STAKEOUT OF THE PROPOSED GROUND COORDINATES SHOWN.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING ADDITIONAL CONTROLS THAT MAY BE NEEDED THROUGHOUT THE PROJECT.

GENERAL NOTES:

1. WORK ON THIS PROJECT SHALL CONFORM TO THE LATEST NORTH CAROLINA DEPARTMENT OF TRANSPORTATION (NCDOT) STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES, THE NORTH CAROLINA EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL, <MUNICIPAL> STANDARDS AND SPECIFICATIONS, GEOTECHNICAL REPORTS, AND ANY OTHER APPLICABLE DESIGN STANDARDS AT THE TIME OF PLAN APPROVAL. IN THE EVENT OF CONFLICT BETWEEN ANY OF THESE STANDARDS, SPECIFICATIONS OR PLANS, THE MOST STRINGENT SHALL GOVERN, UNLESS OTHERWISE NOTED IN THESE PLANS.
2. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR HAVING VISITED THE SITE AND HAVING FAMILIARIZED THEMSELVES WITH THE EXISTING CONDITIONS PRIOR TO SUBMITTING A BID AND/OR COMMENCING WORK.
3. ANY DISCREPANCIES, INCONSISTENCIES OR AMBIGUITIES FOUND BETWEEN THE DRAWINGS, SPECIFICATIONS, AND SITE CONDITIONS SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER IN WRITING. WORK DONE BY THE CONTRACTOR AFTER THE DISCOVERY OF SUCH DISCREPANCIES, INCONSISTENCIES, OR AMBIGUITIES WITHOUT WRITTEN CLARIFICATION FROM THE ENGINEER AND APPROVAL BY OWNER SHALL BE DONE AT THE CONTRACTOR'S RISK AND EXPENSE.
4. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL JOBSITE SAFETY DURING ALL PHASES OF CONSTRUCTION. ALL WORK SHALL COMPLY WITH MUNICIPAL, COUNTY AND STATE REGULATIONS, AND OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS. CONTRACTOR SHALL COMPLY WITH THE LATEST REVISIONS AND INTERPRETATIONS OF THE DEPARTMENT OF LABOR SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION PROMULGATED UNDER THE OSHA ACT.
5. THE CONTRACTOR SHALL CALL "811" FOR PROPER IDENTIFICATION OF EXISTING UTILITIES AT LEAST 72 HOURS PRIOR TO ANY DEMOLITION, GRADING, OR CONSTRUCTION ACTIVITY.
6. THE CONTRACTOR IS RESPONSIBLE FOR HORIZONTALLY AND VERTICALLY LOCATING, AND SUBSEQUENTLY PROTECTING, ALL PUBLIC OR PRIVATE UTILITIES (SHOWN OR NOT SHOWN) THAT LIE IN OR ADJACENT TO THE PROJECT SITE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE UNDERGROUND UTILITIES. ALL UTILITIES AND FACILITIES ARE NOT NECESSARILY SHOWN. HAND DIGGING TO PROTECT UTILITIES FROM DAMAGE MAY BE REQUIRED.
7. ANY UTILITIES AND EXISTING SITE ELEMENTS (I.E. SIGNS, ROADWAYS, PATHS, STRUCTURES, NATURAL VEGETATION, OTHER EXISTING PROPERTY ITEMS, ETC.) DAMAGED DURING THE PROJECT BY THE CONTRACTOR'S WORKERS OR EQUIPMENT SHALL BE PROMPTLY REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER AND ENGINEER.
8. CONTRACTOR SHALL MAKE EVERY EFFORT TO PRESERVE PROPERTY IRONS, MONUMENTS, OTHER PERMANENT POINTS AND LINES OF REFERENCE AND CONSTRUCTION STAKES. A NORTH CAROLINA LICENSED LAND SURVEYOR SHALL REPLACE, AT THE CONTRACTOR'S EXPENSE, PROPERTY IRONS, MONUMENTS, OTHER PERMANENT POINTS AND LINES OF REFERENCE AND CONSTRUCTION STAKES DESTROYED BY THE CONTRACTOR.
9. CONTRACTOR SHALL PLAN AND CONSTRUCT WORK IN ORDER TO CAUSE MINIMUM DISTURBANCE TO THE OWNER, ADJACENT PROPERTIES AND THE PUBLIC. CONTRACTOR SHALL COORDINATE WITH AND OBTAIN APPROVAL FROM STATE AND LOCAL REGULATORY AGENCIES ON TRAFFIC CONTROL PLANS.
10. ADJACENT STREETS AND SIDEWALKS SHALL BE MAINTAINED IN A CLEAN CONDITION, MUD AND DUST-FREE.
11. THE CONTRACTOR SHALL HAVE A COMPLETE SET OF CONTRACT DOCUMENTS AS WELL AS ALL PERMIT APPROVALS AND EXECUTED EASEMENTS ON THE JOB SITE AT ALL TIMES.
12. CONSTRUCTION STAKEOUT FOR THIS PROJECT MAY BE PERFORMED BY THE CONTRACTOR, USING A DIGITAL (CADD) FILE PROVIDED BY THE ENGINEER. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES FOUND BETWEEN THE DIGITAL FILE AND THE CRITICAL STAKING DIMENSIONS SHOWN ON THIS PLAN (I.E. PAVEMENT WIDTHS, CURB RADII, BUILDING SETBACKS, BUILDING FOOTPRINTS, ETC.). ANY MODIFICATIONS MADE BY OTHERS TO THE DIGITAL FILE PROVIDED BY THE ENGINEER SHALL RENDER IT VOID.
13. WETLANDS SHOWN WILL HAVE DEED RESTRICTION AND SHALL NOT BE CLEARED, DRAINED, OR OTHERWISE DISTURBED UNLESS SPECIFICALLY PERMITTED BY THE UNITED STATES ARMY CORPS OF ENGINEERS (USACE) OR NC DIVISION OF COASTAL MANAGEMENT (DCM) OR NC DIVISION OF WATER RESOURCES (DWR), AS APPLICABLE.
14. ANY WETLANDS THAT ARE TEMPORARILY IMPACTED DUE TO CONSTRUCTION ACTIVITIES SHALL BE RETURNED TO PRE-CONSTRUCTION GRADE AND SEEDED WITH A WETLAND SEED MIX IN ACCORDANCE WITH THE SEDIMENT & EROSION CONTROL PLAN.
15. CONTRACTOR SHALL FURNISH AND INSTALL ALL PAVEMENT MARKINGS FOR FIRE LANES, PARKING STALLS, ACCESSIBLE PARKING SYMBOLS, AND MISCELLANEOUS STRIPING WITHIN PARKING LOT AND AROUND BUILDINGS AS SHOWN ON THE PLANS. ALL PAINT FOR PAVEMENT MARKINGS SHALL ADHERE TO NCDOT STANDARDS, UNLESS NOTED OTHERWISE.
16. ACCESSIBLE ROUTES AND PARKING AREAS MUST BE PROVIDED IN ACCORDANCE WITH THE CURRENT NORTH CAROLINA BUILDING CODE AND ADA STANDARDS FOR ACCESSIBLE DESIGN.
17. WHERE PROPOSED CURB AND GUTTER TIES TO EXISTING CURB OR CURB AND GUTTER, A TRANSITION OF 10' SHALL BE MADE TO CONFORM TO THE EXISTING HEIGHTS AND SHAPES, UNLESS OTHERWISE SHOWN ON THE PLANS.
18. ALL CURB JOINTS SHALL EXTEND THROUGH THE CURB. MINIMUM LENGTH OF OFFSET JOINTS AT RADIUS POINTS IS 1.5', UNLESS OTHERWISE SHOWN ON PLANS. ALL JOINTS SHALL BE SEALED WITH JOINT SEALANT.

DEMOLITION NOTES:

1. CONTRACTOR SHALL COORDINATE WITH THE OWNER TO PROPERLY MAINTAIN, REMOVE OR RELOCATE EXISTING SERVICE CONNECTIONS WHEN NECESSARY.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING SURROUNDING NEIGHBORS ABOUT ANY POTENTIAL INTERRUPTION TO SERVICE OF ANY KIND.
3. EXISTING UTILITIES NOT INTENDED FOR DEMOLITION SHALL BE MAINTAINED, PROTECTED AND UNDISTURBED DURING CONSTRUCTION ACTIVITIES.
4. THE CONTRACTOR SHALL PROTECT ALL ADJACENT PROPERTY, STRUCTURES AND UTILITIES. DAMAGE TO PROPERTIES OF OTHERS DUE TO THE CONTRACTOR'S ACTIVITIES SHALL BE AT THE CONTRACTOR'S EXPENSE AND SHALL BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE OWNER.
5. ALL MATERIAL CLEARED OR DEMOLISHED BY THE CONTRACTOR IN ORDER TO CONSTRUCT THE WORK SHALL BECOME THE PROPERTY OF THE CONTRACTOR, UNLESS OTHERWISE NOTED AND SHALL BE PROPERLY DISPOSED OF OFF-SITE.
6. SAW CUTS OF EXISTING PAVEMENTS, CURBS, GUTTERS AND SIDEWALKS SHALL PRODUCE A NEAT VERTICAL EDGE.
7. ALL DEMOLITION WORK SHALL BE DONE IN STRICT ACCORDANCE WITH AUTHORITIES HAVING JURISDICTION.
8. ALL PERMITS REQUIRED FOR THE DEMOLITION WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN PRIOR TO THE START OF DEMOLITION ACTIVITIES.

STORM DRAINAGE NOTES:

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CURRENT KENANSVILLE STANDARDS AND NCDOT STANDARD SPECIFICATIONS AND DETAILS.
2. ALL PUBLIC STORM DRAINAGE FRAMES, GRATES, AND HOODS SHALL BE STAMPED WITH "DRAINS TO RIVER" IN ACCORDANCE WITH KENANSVILLE AND NCDOT STANDARDS.
3. RIM ELEVATION GIVEN FOR CATCH BASIN (CB) IS TOP OF CURB, YARD INLET (YI) IS OPENING INVERT FOR SLAB TOP, DROP INLET (DI) IS TOP OF GRATE AND JUNCTION BOX (JB) IS TOP OF RIM.
4. CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS SHOWN, INCLUDING, BUT NOT LIMITED TO THE HORIZONTAL AND VERTICAL LOCATION OF STRUCTURES AND UTILITIES CROSSING THE STORM SEWER PIPE.
5. CONTRACTOR SHALL PROVIDE ALL MATERIALS AND APPURTENANCES NECESSARY FOR COMPLETE INSTALLATION OF THE STORM SEWER DRAINAGE SYSTEM.
6. ALL STORM SEWER PIPE SHALL BE MINIMUM CLASS III REINFORCED CONCRETE PIPE (RCP), UNLESS OTHERWISE NOTED.
7. IF THERE ARE DISCREPANCIES BETWEEN THE PLAN AND FIELD CONDITIONS RELATED TO WHERE THE PROPOSED STORM SEWER PIPING TIES TO EXISTING STRUCTURES, PIPES, SWALES, ETC., THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND OWNER. AFTER NOTIFICATION TO ENGINEER AND OWNER, THE CONTRACTOR SHALL PERFORM THE AGREED UPON FIELD ADJUSTMENTS TO MATCH THE LOCATIONS OF THESE EXISTING FEATURES.
8. ALL STORM SEWER PIPE SHALL HAVE A MINIMUM COVER OF 2 FEET FROM FINISHED SUBGRADE TO THE PIPE CROWN IN TRAFFIC, UNLESS APPROVED BY AUTHORITIES HAVING JURISDICTION.
9. ALL STORM SEWER PIPE SHALL HAVE A MINIMUM COVER OF 1 FOOT TO THE PIPE CROWN IN NON-TRAFFIC AREAS.
10. STORM SEWER UTILITY STRUCTURE TABLES ARE AVAILABLE UPON REQUEST.

GRADING NOTES:

1. ALL AREAS SHALL BE GRADED FOR POSITIVE DRAINAGE, AND AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL MAINTAIN ADEQUATE SITE DRAINAGE DURING ALL PHASES OF CONSTRUCTION. IN ADDITION TO THE MEASURES SHOWN IN THESE PLANS, THE CONTRACTOR SHALL USE INTERIM DIVERSION DITCHES, BERMS, OR OTHER METHODS AS REQUIRED TO DIRECT DRAINAGE AS SHOWN ON THESE PLANS AND TO PREVENT SILT AND CONSTRUCTION DEBRIS FROM FLOWING ONTO ADJACENT PROPERTIES, ROADWAYS, AND ENVIRONMENTALLY SENSITIVE AREAS SUCH AS BUFFERS AND WETLANDS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND OWNER IN WRITING OF ANY DISCREPANCIES OR CONCERNS.
2. ALL SOILS USED FOR BACKFILL SHALL BE FREE OF UNSATISFACTORY MATERIALS INCLUDING ROCK OR GRAVEL LARGER THAN 3 INCHES IN ANY DIMENSION, DEBRIS, WASTE, FROZEN MATERIALS, VEGETATION AND OTHER DELETERIOUS MATTER. UNSATISFACTORY MATERIALS ALSO INCLUDE MAN-MADE FILLS AND REFUSE DEBRIS DERIVED FROM ANY SOURCE. REFER TO FINAL GEOTECHNICAL REPORT FOR ANY SPECIAL FILL MATERIAL REQUIRED FOR THIS PROJECT, IF ANY. THE CONTRACTOR SHALL CONSULT WITH THE SITE GEOTECHNICAL ENGINEER PRIOR TO BACKFILL PLACEMENT TO VERIFY BACKFILL MEETS PROJECT REQUIREMENTS.
3. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL SOIL TESTING IS PERFORMED AND THE RESULTS FORWARDED TO THE ENGINEER AND OWNER.
4. MATERIALS USED TO CONSTRUCT EMBANKMENTS FOR ANY PURPOSE, BACKFILL AROUND DRAINAGE STRUCTURES, OR IN UTILITY TRENCHES FOR ANY OTHER DEPRESSION REQUIRING FILL OR BACKFILL SHALL MEET THE REQUIREMENTS OF THE PROJECT GEOTECHNICAL ENGINEER RECOMMENDATIONS.
5. THE CONTRACTOR SHALL, PRIOR TO ANY OPERATIONS INVOLVING FILLING OR BACKFILLING, SUBMIT TO THE OWNER AND PROJECT GEOTECHNICAL ENGINEER THE RESULTS OF THE PROCTOR TEST TOGETHER WITH A CERTIFICATION THAT THE SOIL TESTED IS REPRESENTATIVE OF THE MATERIALS TO BE USED ON THE PROJECT. TESTS SHALL BE CONDUCTED BY A NORTH CAROLINA CERTIFIED MATERIALS TESTING LABORATORY AND CERTIFICATIONS MADE BY A LICENSED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NORTH CAROLINA REPRESENTING THE LABORATORY.
6. ALL PAVEMENT SUBGRADES SHALL BE SCARIFIED TO A DEPTH OF 8 INCHES AND COMPACTED TO A MINIMUM DENSITY OF 100 PERCENT OF ASTM D1557 DENSITY AT OPTIMUM MOISTURE CONTENT UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION PLANS OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
7. RETAINING WALLS OR MECHANICALLY STABILIZED EARTH WALLS SHALL BE DESIGNED AND CONSTRUCTED UNDER THE RESPONSIBLE CHARGE OF A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NORTH CAROLINA AND COMPLY IN ALL ASPECTS WITH THE NC BUILDING CODE.
8. CONTOURS AND GUTTER GRADIENTS ARE APPROXIMATE. SPOT ELEVATIONS ARE TO BE USED IN CASE OF DISCREPANCY.
9. CONTRACTOR SHALL OBTAIN ALL PERMITS AS REQUIRED FOR BLASTING ROCK IF BLASTING ROCK IS REQUIRED. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION RELATED TO BLASTING AND SAFETY.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEWATERING NECESSARY TO CONSTRUCT THE PROJECT AS SHOWN ON THE PLANS. DEWATERING SHALL BE INCIDENTAL TO GRADING OPERATIONS.
11. MASS GRADING OPERATIONS SHALL BE PHASED TO LIMIT EXPOSED AREAS. PRIOR TO PROCEEDING TO ANOTHER PHASE, THE PRESENT PHASE SHALL BE STABILIZED WITH ADEQUATE GROUND COVER SUFFICIENT TO RESTRAIN EROSION AND HAVE ALL INFRASTRUCTURE INSTALLED. SEE GROUND COVER REQUIREMENTS WITHIN THESE PLANS OR CONSULT THE MUNICIPAL EROSION CONTROL SPECIALIST.
12. THE FRAMES AND COVERS OF ALL EXISTING AND PROPOSED DRAINAGE, SANITARY SEWER, WATER MAIN, GAS AND ELECTRIC UTILITY STRUCTURES SHALL BE ADJUSTED TO MATCH PROPOSED FINISHED ELEVATIONS AND SLOPES UNLESS OTHERWISE SHOWN ON THE PLANS.
13. BEFORE ANY EARTHWORK IS DONE, THE CONTRACTOR SHALL STAKE OUT AND MARK THE LIMITS OF CONSTRUCTION AND OTHER ITEMS ESTABLISHED IN THE PLANS. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SURVEYING FOR LINE AND GRADE CONTROL POINTS RELATED TO EARTHWORK.

UTILITIES NOTES:

1. GENERALLY, FILL MATERIAL SHALL BE IN PLACE AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
2. ALL NECESSARY INSPECTIONS, CERTIFICATIONS, OR TESTING REQUIRED BY CODES OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO MUNICIPAL APPROVAL FOR THE FINAL CONNECTION OF SERVICE. CONTRACTOR SHALL BE RESPONSIBLE FOR PAYMENT OF TESTING SERVICES AND COORDINATION WITH UTILITY OWNER.
3. CONTRACTOR SHALL PROVIDE ALL MATERIALS AND APPURTENANCES NECESSARY FOR COMPLETE INSTALLATION OF THE IMPROVEMENTS SHOWN.
4. THE CONTRACTOR SHALL REPORT, IN WRITING, ANY UTILITY CONFLICTS TO THE ENGINEER IMMEDIATELY UPON DISCOVERING CONFLICTS.
5. PRIOR TO UTILITY RELOCATION, REMOVAL OR ABANDONMENT, THE CONTRACTOR SHALL COORDINATE WITH THE LOCAL UTILITY PROVIDERS. KNOWN UTILITY PROVIDER INFORMATION IS CONTAINED ON THIS PLAN SHEET.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING SURROUNDING NEIGHBORS ABOUT ANY POTENTIAL INTERRUPTION TO SERVICE OF ANY KIND.
7. THE CONTRACTOR SHALL MAINTAIN A MINIMUM COVER OF 3 FEET ON ALL PROPOSED WATER LINES. THREE FEET SHALL BE MEASURED TO THE BOTTOM OF THE PROPOSED SUBGRADE WITHIN PAVED AREAS.
8. THE CONTRACTOR SHALL MAINTAIN A MINIMUM COVER OF 3 FEET ON ALL PROPOSED SANITARY LINES. THREE FEET SHALL BE MEASURED TO THE BOTTOM OF THE PROPOSED SUBGRADE WITHIN PAVED AREAS.
9. THE CONTRACTOR SHALL MAINTAIN SEPARATION OF WATER MAIN FROM SANITARY SEWER PIPING IN ACCORDANCE WITH THOSE DISTANCES SPECIFIED BY STATE AND/OR LOCAL CODE OR A MINIMUM OF 10 FEET HORIZONTAL OR 18 INCHES VERTICAL DISTANCE.
10. THE CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES FOR INSTALLATION OF ALL PROPOSED POWER AND COMMUNICATION LINES AND ASSOCIATED APPURTENANCES.

UTILITY CONTACT INFORMATION:

SANITARY SEWER SERVICE:
PROVIDER: TOWN OF KENANSVILLE
ADDRESS: 119 MIDDLETON CEMETERY LANE
KENANSVILLE, NC 28349
CONTACT: DONNA BROWN
PHONE: (910) 296-2123
EMAIL: DONNAB@DUPLINCOUNTYNC.GOV

WATER SERVICE:
PROVIDER: TOWN OF KENANSVILLE
ADDRESS: 119 MIDDLETON CEMETERY LANE
KENANSVILLE, NC 28349
CONTACT: DONNA BROWN
PHONE: (910) 296-2123
EMAIL: DONNAB@DUPLINCOUNTYNC.GOV

POWER:
PROVIDER: DUKE ENERGY PROGRESS
ADDRESS:
CONTACT:
PHONE:
EMAIL:

COMMUNICATION: TBD
PROVIDER:
ADDRESS:
CONTACT:
PHONE:
EMAIL:

GAS:
PROVIDER: PIEDMONT NATURAL GAS
ADDRESS: 250 FIVE POINTS ROAD, DUDLEY, NC 28333
CONTACT: MARCUS THOMPSON
PHONE: (M) 919-920-0257
EMAIL: MARCUS.THOMPSON2@DUKE-ENERGY.COM

EROSION & SEDIMENT CONTROL NOTES:

1. CONTRACTOR SHALL INSTALL EROSION CONTROLS IN ORDER WITH THE SEQUENCE PROVIDED.
2. CONTRACTOR SHALL ENSURE GRADING OPERATIONS ARE CONDUCTED IN A MANNER THAT DOES NOT ALLOW ANY SEDIMENT TO DRAIN OFF-SITE OR INTO WATERCOURSES.
3. A GRAVEL CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT THE LOCATIONS SHOWN ON THE DRAWINGS AND AT EACH POINT OF CONSTRUCTION ACCESS.
4. CONTRACTOR SHALL CONSTRUCT DIVERSION DITCHES AS NECESSARY TO ENSURE ALL SEDIMENT IS DIRECTED INTO EROSION CONTROL MEASURES.
5. IF STORM CROSS DRAINAGE CANNOT BE INSTALLED PRIOR TO GRADING, TEMPORARY HDPE STORM DRAINAGE PIPE SHALL BE USED TO CROSS WET WEATHER CHANNELS, EXCLUDING ANY PROTECTED WETLANDS OR STREAMS.
6. ALL STORM DRAINAGE PIPE SHALL BE PROTECTED AS SHOWN ON THE PLANS DURING CONSTRUCTION.
7. CONTRACTOR SHALL PROVIDE RIPRAP LINED DISSIPATOR PADS AT THE STORM DRAINAGE PIPE DISCHARGE POINTS AS REQUIRED TO ENSURE POSITIVE DRAINAGE. SEE PLANS FOR DIMENSIONS AND DETAILS.
8. TO AVOID SLOPE EROSION, CONTRACTOR SHALL INSTALL TEMPORARY SLOPE DRAINS PER DETAIL AT LOCATIONS INDICATED AND WHERE TEMPORARY DIVERSION DITCHES DISCHARGE INTO A SKIMMER BASIN.
9. PERMANENT GROUND COVER SHALL BE ESTABLISHED PER APPROVED NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT.
10. TREE PROTECTION FENCING SHALL BE INSTALLED AND INSPECTED PRIOR TO ISSUANCE OF A GRADING PERMIT. FENCING SHALL NOT BE REQUIRED ADJACENT TO AREAS WITHOUT WOODED VEGETATION. FENCING SHALL BE MAINTAINED ON THE SITE UNTIL ALL SITE WORK IS COMPLETED AND THE FINAL SITE INSPECTION PRIOR TO THE CERTIFICATE OF OCCUPANCY (CO) IS SCHEDULED. THE FENCING SHALL BE REMOVED PRIOR TO FINAL SITE INSPECTION FOR THE CO.
11. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT AN EROSION CONTROL PERMIT AND ANY OTHER RELATED PERMITS ARE SECURED FOR ANY OFF-SITE WASTE OR BORROW AREAS. UNLESS OTHERWISE STATED IN THE PROJECT DOCUMENTS, THE CONTRACTOR IS RESPONSIBLE FOR SECURING ALL AGREEMENTS WITH LANDOWNERS FOR PLACEMENT OF WASTE SOIL OR REMOVAL OF BORROW. OFF-SITE PERMITS AND AGREEMENTS SHALL EXIST PRIOR TO CONSTRUCTION ACTIVITIES ON WASTE OR BORROW AREAS.
12. SOILS CONTAMINATED WITH ANY CHEMICAL, METAL OR PETROLEUM CONTAMINATION SHALL NOT BE TRANSPORTED ONTO THE PROPERTY AS BORROW / FILL SOILS. CONTAMINATED SOILS, IF DISCOVERED ON THE PROPERTY SHALL NOT BE TRANSPORTED OFFSITE WITHOUT TESTING, PERMITTING AND/OR OTHER REGULATORY APPROVALS COMMENSURATE WITH THE TYPE OF CONTAMINATION AND LOCATION.
13. TEMPORARY DIVERSIONS ARE TO REMAIN IN PLACE UNTIL THE STORM DRAINAGE SYSTEM IS IN PLACE, THE UPSTREAM AREA IS STABILIZED AND/OR APPROVAL FROM MUNICIPAL EROSION CONTROL INSPECTOR IS RECEIVED.

FIRE & LIFE SAFETY NOTES

1. LANDSCAPING OR PARKING CANNOT BLOCK OR IMPEDE THE FIRE DEPARTMENT CONNECTION (FDC) OR FIRE HYDRANTS. A 3-FOOT (3') CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF ANY HYDRANT, FDC OR OTHER FIRE DEPARTMENT EQUIPMENT.
2. FDC MUST BE WITHIN 40' OF FIRE APPARATUS PLACEMENT.
3. HYDRANTS MUST BE LOCATED WITHIN EIGHT FEET (8'), BUT NO CLOSER THAN THREE FEET (3') OF THE CURB.
4. A MINIMUM OF FIVE FEET (5') SHALL SEPARATE UNDERGROUND FIRE LINES OR PRIVATE WATER MAINS FROM OTHER UNDERGROUND UTILITIES.
5. NEW HYDRANTS SHALL BE OPERABLE PRIOR TO CONSTRUCTION OF THE BUILDING(S).
6. HYDRANT MUST BE WITHIN 150' OF THE FDC (MEASURED AS THE TRUCK DRIVES FOR PRACTICAL USE).
7. CONTRACTOR SHALL MAINTAIN AN ALL-WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION AS SHOWN ON THE PLANS.
8. TEMPORARY STREET SIGNS SHALL BE INSTALLED AT EACH STREET INTERSECTION WHEN CONSTRUCTION OF NEW ROADWAYS ALLOWS PASSAGE BY VEHICLES.
9. ADDITIONAL FIRE PROTECTION AND ACCESSIBILITY REQUIREMENTS MAY BE REQUIRED DUE TO ANY SPECIAL CIRCUMSTANCES CONCERNING THE PROJECT.
10. ALL ISOLATION VALVES WITHIN THE "HOT BOX" SHALL BE ELECTRICALLY SUPERVISED. PLEASE WORK WITH BOTH THE MECHANICAL AND ELECTRICAL ENGINEERS-OF-RECORD IN REGARD TO UTILIZING EACH FLOOR PLAN WITH THE LAYOUTS OF THE FIRE SPRINKLERS AND FIRE ALARM AND DETECTION SYSTEMS FOR PROPER AUDIO/VISUAL FUNCTION DURING TESTING. THE SYSTEMS SHALL BE TESTED WITH ALL DOORS IN THE CLOSED POSITION. UTILIZE THE FIRE ALARM/SMOKE CONTROL MATRIX ON DRAWING MO.3 AND THE FIREFIGHTERS SMOKE CONTROL PANEL ON DRAWING E4.2 AS A STARTING POINT FOR THE DESIGN OF THE FIRE ALARM & DETECTION SYSTEM.
11. ROADWAYS AND BUILDINGS MUST BE CAPABLE OF SUPPORTING FIRE APPARATUS DURING CONSTRUCTION.
12. FIRE FLOW ANALYSIS MUST BE PROVEN AT TIME OF BUILDING PERMITS PER NORTH CAROLINA FIRE PROTECTION CODE (NCFPC), SECTION 507.3, LATEST EDITION. THIS IS THE AVAILABLE FIRE FLOW FROM THE HYDRANT AND THE MINIMUM REQUIRED FIRE FLOW CALCULATION FROM NCFPC APPENDIX B OR OTHER APPROVED METHOD. THE INSTALLATION OF THE WATER SERVICE SHALL MEET ALL TOWN OF KENANSVILLE, NC CODES AND STANDARDS. THE WATER SUPPLY FLOW TEST SHALL NOT BE OLDER THAN 12 MONTHS FROM THE FIRE SPRINKLER SYSTEM DESIGN
13. CONTRACTOR SHALL REPLACE WITH NEW ALL DRIVEWAY PIPES AND OTHER DRAINAGE PIPES/CULVERTS THAT ARE DISTURBED WHILE INSTALLING THE UTILITIES. ALL PIPE/CULVERTS SHALL MEET THE REQUIREMENTS OF NCDOT.
14. ALL ROADWAY DITCHES DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION OR BETTER AND CONFORM TO NCDOT REQUIREMENTS OR AUTHORITIES HAVING JURISDICTION. ALL DITCHES SHALL BE LINED WITH EROSION CONTROL MATTING UNLESS OTHERWISE NOTED.
15. ALL EXCAVATED MATERIAL SHALL BE PLACED WITHIN THE LIMITS OF DISTURBANCE DURING UTILITY INSTALLATION. THE CONTRACTOR SHALL PROVIDE THE NECESSARY SEDIMENT AND EROSION CONTROL MEASURES TO CONTROL RUN-OFF. ALL EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM THE CONSTRUCTION SITE AND DISPOSED-OF LEGALLY.

WithersRavenel
Engineers | Planners | Surveyors
115 Macedonia Drive | Cary, NC 27511 | t: 919.469.3340 | license #: P-1479 | www.withersravenel.com

MOSELEYARCHITECTS
621 O ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

Digitally signed by David Lee Bastone
Date: 12/12/2023

PRELIMINARY
NOT APPROVED FOR CONSTRUCTION
12/12/2023
ENGINEER
DAVID D. BASTONE

DUPLIN COUNTY DETENTION CENTER
SITE AND CONSTRUCTION DRAWINGS
DUDHSR# J-378
DUPLIN COUNTY NC
KENANSVILLE, NORTH CAROLINA

MA PROJECT NO: 821373
WR PROJECT NO:02220710
DATE: 08/25/2023

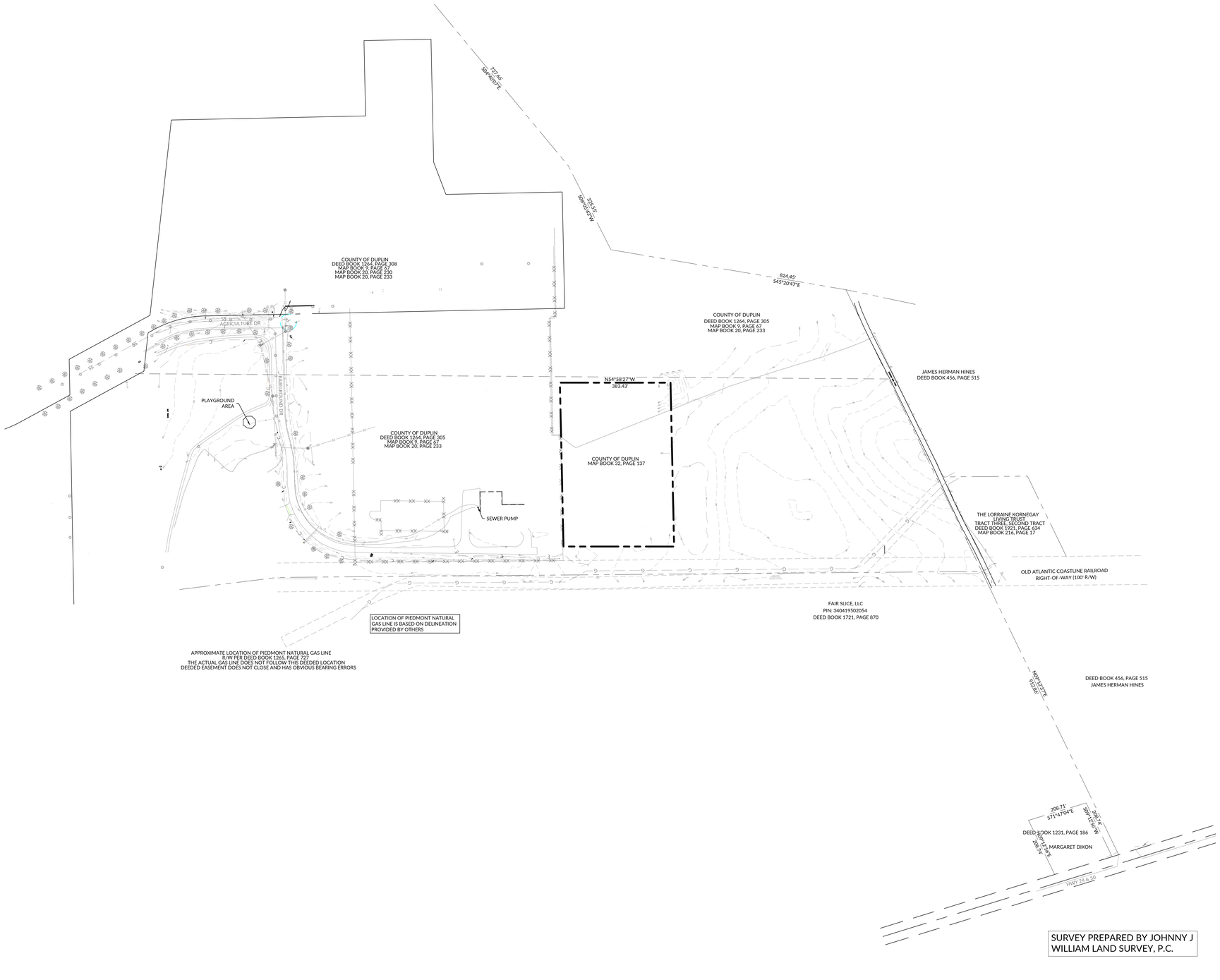
REVISIONS	
DATE	DESCRIPTION
12-12-2023	BID SET

GENERAL NOTES

C0.01

811 Know what's below. Call before you dig.

K:\2021\21070\23070-depth co detention ctr le\complete\CAD\drawing sets\design development plans\C0.01 GENERAL NOTES.dwg 12/12/2023 - 9:06, STEVE



SURVEY PREPARED BY JOHNNY J
WILLIAM LAND SURVEY, P.C.

GRAPHIC SCALE
150 0 75 150 300
1 inch = 150 ft.

WithersRavenel
Engineers | Planners | Surveyors
115 MacKenan Drive | Cary, NC 27511 | t: 919.469.3340 | license #: F-1479 | www.withersravenel.com

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

PRELIMINARY
NOT APPROVED FOR
CONSTRUCTION

DUPLIN COUNTY DETENTION CENTER
SITE AND CONSTRUCTION DRAWINGS
DUDHSR# J-378
DUPLIN COUNTY NC
KENANSVILLE, NORTH CAROLINA

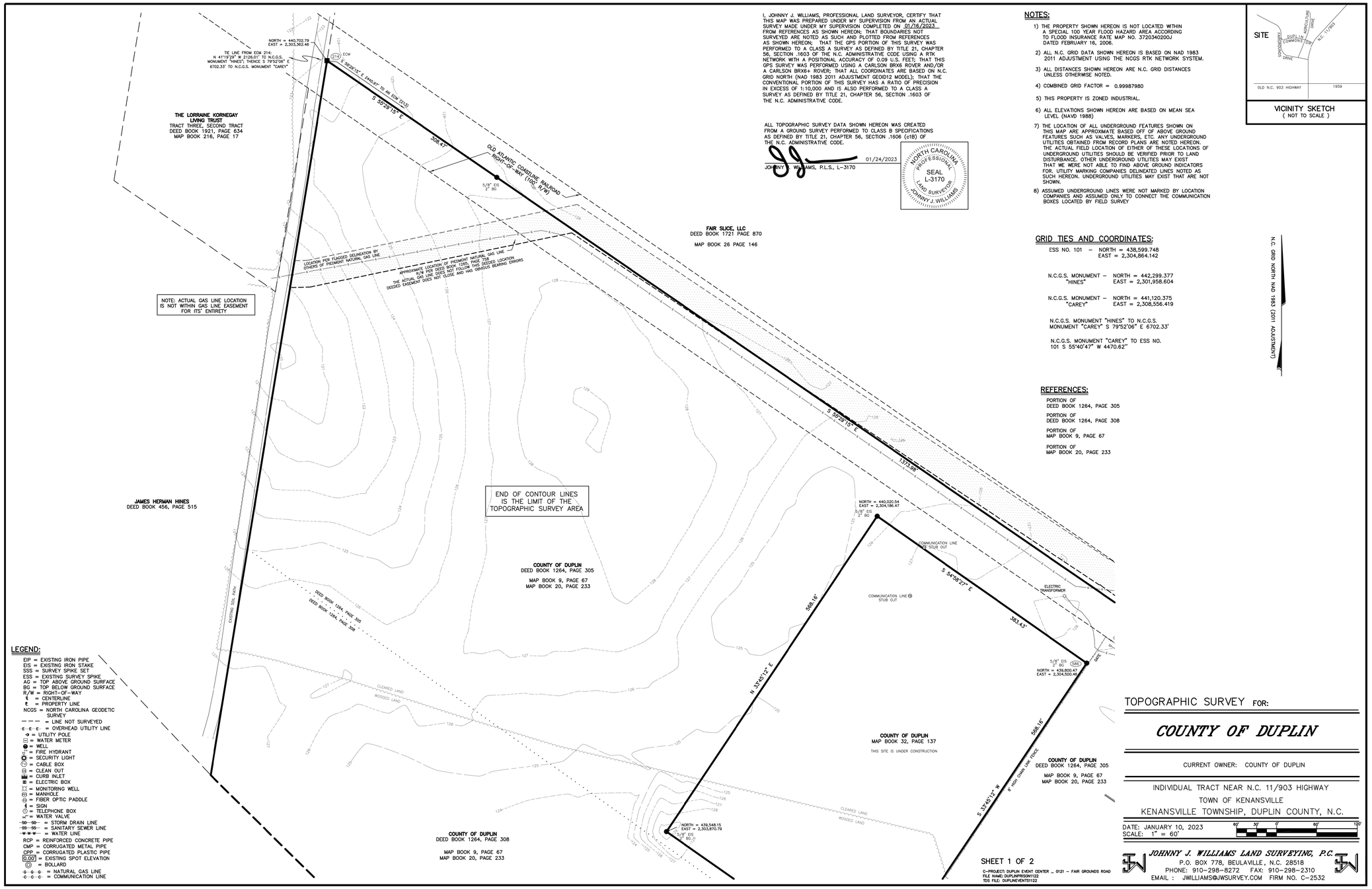
MA PROJECT NO: 621373
WR PROJECT NO: 02220710
DATE: 08/25/2023

REVISIONS	
DATE	DESCRIPTION
12-12-2023	BID SET

811 Know what's below. Call before you dig.

OVERALL EXISTING
CONDITIONS

C1.00



I, JOHNNY J. WILLIAMS, PROFESSIONAL LAND SURVEYOR, CERTIFY THAT THIS MAP WAS PREPARED UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION COMPLETED ON 01/16/2023 FROM REFERENCES AS SHOWN HEREON; THAT BOUNDARIES NOT SURVEYED ARE NOTED AS SUCH AND PLOTTED FROM REFERENCES AS SHOWN HEREON; THAT THE GPS PORTION OF THIS SURVEY WAS PERFORMED TO A CLASS A SURVEY AS DEFINED BY TITLE 21, CHAPTER 56, SECTION .1603 OF THE N.C. ADMINISTRATIVE CODE USING A RTK NETWORK WITH A POSITIONAL ACCURACY OF 0.09 U.S. FEET; THAT THIS GPS SURVEY WAS PERFORMED USING A CARLSON BRX6 ROVER AND/OR A CARLSON BRX6+ ROVER; THAT ALL COORDINATES ARE BASED ON N.C. GRID NORTH (NAD 1983 2011 ADJUSTMENT GEOID12 MODEL); THAT THE CONVENTIONAL PORTION OF THIS SURVEY HAS A RATIO OF PRECISION IN EXCESS OF 1:10,000 AND IS ALSO PERFORMED TO A CLASS A SURVEY AS DEFINED BY TITLE 21, CHAPTER 56, SECTION .1603 OF THE N.C. ADMINISTRATIVE CODE.

ALL TOPOGRAPHIC SURVEY DATA SHOWN HEREON WAS CREATED FROM A GROUND SURVEY PERFORMED TO CLASS B SPECIFICATIONS AS DEFINED BY TITLE 21, CHAPTER 56, SECTION .1606 (c1B) OF THE N.C. ADMINISTRATIVE CODE.

JOHNNY J. WILLIAMS, P.L.S., L-3170 — 01/24/2023

NORTH CAROLINA PROFESSIONAL SEAL L-3170 LAND SURVEYOR JOHNNY J. WILLIAMS

NOTES:

1) THE PROPERTY SHOWN HEREON IS NOT LOCATED WITHIN A SPECIAL 100 YEAR FLOOD HAZARD AREA ACCORDING TO FLOOD INSURANCE RATE MAP NO. 3720340200J DATED FEBRUARY 16, 2006.
2) ALL N.C. GRID DATA SHOWN HEREON IS BASED ON NAD 1983 2011 ADJUSTMENT USING THE NCGS RTK NETWORK SYSTEM.
3) ALL DISTANCES SHOWN HEREON ARE N.C. GRID DISTANCES UNLESS OTHERWISE NOTED.
4) COMBINED GRID FACTOR = 0.99987980
5) THIS PROPERTY IS ZONED INDUSTRIAL.
6) ALL ELEVATIONS SHOWN HEREON ARE BASED ON MEAN SEA LEVEL (NAVD 1988)
7) THE LOCATION OF ALL UNDERGROUND FEATURES SHOWN ON THIS MAP ARE APPROXIMATE BASED OFF OF ABOVE GROUND FEATURES SUCH AS VALVES, MARKERS, ETC. ANY UNDERGROUND UTILITIES OBTAINED FROM RECORD PLANS ARE NOTED HEREON. THE ACTUAL FIELD LOCATION OF EITHER OF THESE LOCATIONS OF UNDERGROUND UTILITIES SHOULD BE VERIFIED PRIOR TO LAND DISTURBANCE. OTHER UNDERGROUND UTILITIES MAY EXIST THAT WE WERE NOT ABLE TO FIND ABOVE GROUND INDICATORS FOR. UTILITY MARKING COMPANIES DELINEATED LINES NOTED AS SUCH HEREON. UNDERGROUND UTILITIES MAY EXIST THAT ARE NOT SHOWN.
8) ASSUMED UNDERGROUND LINES WERE NOT MARKED BY LOCATION COMPANIES AND ASSUMED ONLY TO CONNECT THE COMMUNICATION BOXES LOCATED BY FIELD SURVEY

VICINITY SKETCH
(NOT TO SCALE)

GRID TIES AND COORDINATES:

ESS NO. 101 – NORTH = 438,599.748
EAST = 2,304,864.142

N.C.G.S. MONUMENT – "HINES" NORTH = 442,299.377
EAST = 2,301,958.604

N.C.G.S. MONUMENT – "CAREY" NORTH = 441,120.375
EAST = 2,308,556.419

N.C.G.S. MONUMENT "HINES" TO N.C.G.S. MONUMENT "CAREY" S 79°52'06" E 6702.33'

N.C.G.S. MONUMENT "CAREY" TO ESS NO. 101 S 55°40'47" W 4470.62'

REFERENCES:

PORTION OF
DEED BOOK 1264, PAGE 305

PORTION OF
DEED BOOK 1264, PAGE 308

PORTION OF
MAP BOOK 9, PAGE 67

PORTION OF
MAP BOOK 20, PAGE 233

LEGEND:

EIP = EXISTING IRON PIPE
EIS = EXISTING IRON STAKE
SSS = SURVEY SPIKE SET
ESS = EXISTING SURVEY SPIKE
AG = TOP ABOVE GROUND SURFACE
BG = TOP BELOW GROUND SURFACE
R/W = RIGHT-OF-WAY
℄ = CENTERLINE
℄ = PROPERTY LINE
NCGS = NORTH CAROLINA GEODETIC SURVEY
– – – = LINE NOT SURVEYED
E–E–E = OVERHEAD UTILITY LINE
= UTILITY POLE
= WATER METER
= WELL
= FIRE HYDRANT
= SECURITY LIGHT
= CABLE BOX
= CLEAN OUT
= CURB INLET
= ELECTRIC BOX
= MONITORING WELL
= MANHOLE
= FIBER OPTIC PADDLE
= SIGN
= TELEPHONE BOX
= WATER VALVE
SD–SD– = STORM DRAIN LINE
SS–SS– = SANITARY SEWER LINE
W–W–W– = WATER LINE
RCP = REINFORCED CONCRETE PIPE
CMP = CORRUGATED METAL PIPE
CPP = CORRUGATED PLASTIC PIPE
0.00' = EXISTING SPOT ELEVATION
= BOLLARD
G–G–G = NATURAL GAS LINE
C–C–C = COMMUNICATION LINE

SHEET 1 OF 2

C–PROJECT: DUPLIN EVENT CENTER _ 0121 – FAIR GROUNDS ROAD
FILE NAME: DUPLINPRSON1122
TOS FILE: DUPLINEVENT01122

TOPOGRAPHIC SURVEY FOR:

COUNTY OF DUPLIN

CURRENT OWNER: COUNTY OF DUPLIN

INDIVIDUAL TRACT NEAR N.C. 11/903 HIGHWAY
TOWN OF KENANSVILLE
KENANSVILLE TOWNSHIP, DUPLIN COUNTY, N.C.

DATE: JANUARY 10, 2023
SCALE: 1" = 60'

60' 30' 0' 60' 120'

JOHNNY J. WILLIAMS LAND SURVEYING, P.C.
P.O. BOX 778, BEULAVILLE, N.C. 28518
PHONE: 910-298-8272 FAX: 910-298-2310
EMAIL : JWILLIAMS@JWSURVEY.COM FIRM NO. C-2532

WithersRavenel
Engineers | Planners | Surveyors
115 MacKenan Drive | Cary, NC 27511 | t: 919.469.3340 | license # P-1479 | www.withersravenel.com

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

PRELIMINARY
NOT APPROVED FOR CONSTRUCTION

DUPLIN COUNTY DETENTION CENTER

SITE AND CONSTRUCTION DRAWINGS

DUDHSR# J-378
DUPLIN COUNTY NC
KENANSVILLE, NORTH CAROLINA

MA PROJECT NO: 621373
WR PROJECT NO: 02220710
DATE: 08/25/2023

REVISIONS	
DATE	DESCRIPTION
12-12-2023	BID SET

EXISTING CONDITIONS

C1.01

811 Know what's below. Call before you dig.

K:\22\22-07\07\20\TS\duplin co dcenter\cc dr & civil\plan\CAD\drawing sets\design development plans\C1.01 EXISTING CONDITIONS.dwg, 12/12/2023 - 9:05, STEVE

k:\22\22-0710\220710-duplin co detention ctr le complex\CAD\drawing sets\design development plans\C1.10 TREE PRESERVATION PLAN.dwg- 12/12/2023 - ROE, STEVE



NOTE:

1. ANY MONUMENTAL TREES REMOVED DURING SITE DEVELOPMENT WILL BE REPLACED WITH TWO TREES OF THE SAME VARIETY THAT ARE MINIMUM 8' TALL AND 2" CAL. AT INSTALL PER KENANSVILLE CODE OF ORDINANCE SECTION 152.298 ALL MONUMENTAL TREES AND MONUMENTAL TREE GROUPS LOCATED OUTSIDE OF LIMIT OF WORK ARE PROTECTED WITH TREE PROTECTION FENCING.

GRAPHIC SCALE
1 inch = 150 ft.
150 0 75 150 300

811 Know what's below. Call before you dig.

WithersRavenel
Engineers | Planners | Surveyors
115 MacKenan Drive | Cary, NC 27511 | t: 919.469.3340 | license #: F-1479 | www.withersravenel.com

PRELIMINARY NOT APPROVED FOR CONSTRUCTION
12/12/2023

DUPLIN COUNTY DETENTION CENTER

SITE AND CONSTRUCTION DRAWINGS

DUDHSR# J-378
DUPLIN COUNTY NC
KENANSVILLE, NORTH CAROLINA

WA PROJECT NO: 62373
WA PROJECT NO:
DATE:

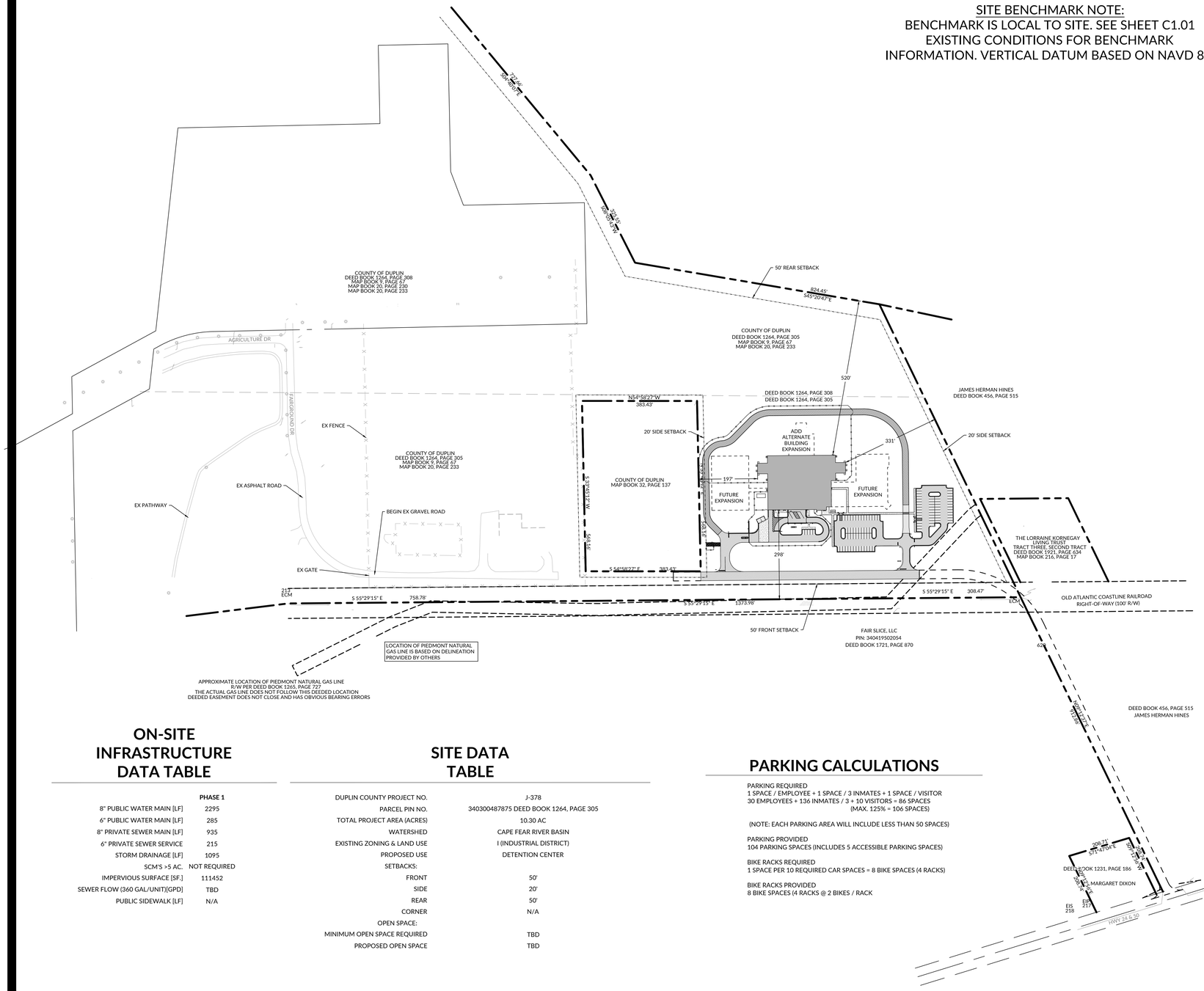
REVISIONS	
DATE	DESCRIPTION
12-12-2023	BID SET

TREE PRESERVATION PLAN

C1.10

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

SITE BENCHMARK NOTE:
BENCHMARK IS LOCAL TO SITE. SEE SHEET C1.01
EXISTING CONDITIONS FOR BENCHMARK
INFORMATION. VERTICAL DATUM BASED ON NAVD 88.


AGRICULTURE DR
FAIRGROUND DR
EX FENCE
EX ASPHALT ROAD
EX PATHWAY
EX GATE
BEGIN EX GRAVEL ROAD
COUNTY OF DUPLIN
DEED BOOK 1264, PAGE 308
MAP BOOK 9, PAGE 67
MAP BOOK 20, PAGE 230
MAP BOOK 20, PAGE 233
COUNTY OF DUPLIN
DEED BOOK 1264, PAGE 305
MAP BOOK 9, PAGE 67
MAP BOOK 20, PAGE 233
COUNTY OF DUPLIN
MAP BOOK 32, PAGE 137
DEED BOOK 1264, PAGE 308
DEED BOOK 1264, PAGE 305
JAMES HERMAN HINES
DEED BOOK 456, PAGE 515
50' REAR SETBACK
20' SIDE SETBACK
20' SIDE SETBACK
50' FRONT SETBACK
ADD ALTERNATE BUILDING EXPANSION
FUTURE EXPANSION
FUTURE EXPANSION
N54°56'27"W 383.43'
S 54°58'27" E 382.43'
S 55°29'15" E 758.78'
S 55°29'15" E 1373.98'
S 55°29'15" E 308.47'
N 55°29'15" W 1373.98'
N 55°29'15" W 1373.98'
N 55°29'15" W 1373.98

NOTES TITLE

1. NOTE
2. NOTE

WithersRavenel
Engineers | Planners | Surveyors
115 MacKenan Drive | Cary, NC 27511 | t: 919.469.3340 | license # P-1479 | www.withersravenel.com

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 940-3755 FAX (704) 940-3754
MOSELEYARCHITECTS.COM

COUNTY OF DUPLIN
DEED BOOK 1264, PAGE 308
MAP BOOK 20, PAGE 233
MAP BOOK 9, PAGE 67

DEED BOOK 1264, PAGE 308
DEED BOOK 1264, PAGE 305

EXISTING SOIL PATH

JAMES HERMAN HINES
DEED BOOK 456, PAGE 515

12' TALL CHAIN LINK SECURITY FENCE WITH BARBED WIRE TOP (TYP.) (SEE ARCHITECTURAL SITE DETAIL SHEET)

30'

12'

20'

FIRE ROUTE ACCESS LOCATION

R80'

INMATE CONTAINMENT AREA

12' WIDE x 12' TALL CHAIN LINK SECURITY SWING GATE WITH BARBED WIRE TOP (SEE ARCHITECTURAL SITE DETAIL SHEET)

20' SIDE SETBACK

R130'

R70'

R50'

ADD ALTERNATE BUILDING EXTENSION

PROPOSED DETENTION CENTER
57,797 SF (2-STORY TOTAL)
FFE: 129.00'

19.85'

FUTURE BUILDING EXTENSION

20' WIDE CRUSHED ABC EMERGENCY DRIVEWAY (TYP.)

FIRE ROUTE ACCESS LOCATION

20' WIDE CRUSHED ABC EMERGENCY DRIVEWAY (TYP.)

12' TALL CHAIN LINK SECURITY FENCE WITH BARBED WIRE TOP (TYP.) (SEE ARCHITECTURAL SITE DETAIL SHEET)

UNDERGROUND GREASE TRAP

12' TALL CHAIN LINK FENCE AROUND MECHANICAL YARD (SEE ARCHITECTURAL SITE DETAIL SHEET)

MECHANICAL YARD

6' WIDE x 12' TALL CHAIN LINK SWING GATE

SCREENED DUMPSTER ENCLOSURE (SEE ARCHITECTURAL SITE DETAIL SHEET)

DROP CURB BACK TO BE FLUSH WITH WALK

ACCESSIBLE PEDESTRIAN ROUTE (TYP.)

VAN ACCESSIBLE ADA SIGN

OPEN AIR SALLY PORT

GATE AND FENCE AROUND SALLY PORT TO BE 16' TALL W/ BARBED WIRE

BIKE RACK (4 RACKS x 2 BIKE PER RACK)

LIGHT-DUTY ASPHALT PAVEMENT - PARKING SPACES ONLY (SEE DETAIL SHEET)

LIGHT-DUTY ASPHALT PAVEMENT - PARKING SPACES ONLY (SEE DETAIL SHEET)

HEAVY DUTY ASPHALT PAVEMENT - TYP. (SEE DETAIL SHEET)

24" CONCRETE CURB AND GUTTER (SEE SITE DETAIL SHEET)

48 PARKING SPACES

49 PARKING SPACES

STANDARD ADA SIGN

VAN ACCESSIBLE ADA SIGN

24" CONCRETE CURB AND GUTTER (SEE SITE DETAIL SHEET)

"EMPLOYEES ONLY PAST THIS POINT" SIGN

"STOP" SIGN

PAINTED STOP BAR

"EMPLOYEES ONLY PAST THIS POINT" SIGN

HEAVY DUTY ASPHALT PAVEMENT - TYP. (SEE DETAIL SHEET)

40' PIEDMONT NATURAL GAS R/W

MONUMENT SIGN (SEE ARCHITECTURAL PLAN FOR DETAILS)

"STOP" SIGN

PAINTED STOP BAR

"STOP" SIGN

PAINTED STOP BAR

12' WIDE CRUSHED ABC DRIVEWAY

"EMPLOYEES ONLY PAST THIS POINT" SIGN

24" CONCRETE CURB AND GUTTER (SEE SITE DETAIL SHEET)

SLIDING SECURITY GATE

"STOP" SIGN

PAINTED STOP BAR

SECURE DROP-OFF AREA

(3) FLAG POLES (SEE ARCH. PLANS FOR DETAILS)

"STOP" AND "DO NOT ENTER" SIGN

SANITARY PUMP STATION (PRIVATE)

HEAVY DUTY CONCRETE

24" CONCRETE CURB AND GUTTER (SEE SITE DETAIL SHEET) MEDIAN TO BE CONCRETE SLAB

12' TALL CHAIN LINK SECURITY FENCE WITH BARBED WIRE TOP (TYP.) (SEE ARCHITECTURAL SITE DETAIL SHEET)

HEAVY DUTY ASPHALT PAVEMENT - TYP. (SEE DETAIL SHEET)

LIGHT-DUTY ASPHALT PAVEMENT - PARKING SPACES ONLY (SEE DETAIL SHEET)

LIGHT-DUTY ASPHALT PAVEMENT - PARKING SPACES ONLY (SEE DETAIL SHEET)

HEAVY DUTY ASPHALT PAVEMENT - TYP. (SEE DETAIL SHEET)

24" CONCRETE CURB & GUTTER

HEAVY DUTY ASPHALT PAVEMENT - TYP. (SEE DETAIL SHEET)

HEAVY DUTY ASPHALT PAVEMENT - TYP. (SEE DETAIL SHEET)

PROPOSED ROAD

PROPOSED ROAD

PAINTED STOP BAR

"STOP" SIGN

OLD ATLANTIC COASTLINE RAILROAD
RIGHT-OF-WAY (100' R/W)

NOTE:
PROPOSED PAVED ROAD TO CONNECT TO ROAD CURRENTLY BEING EXTENDED FROM THE WEST

100' OLD ATLANTIC COAST LINE RAILROAD R/W

50' FRONT SET BACK

S 55°29'15" E 1373.98'

S 55°29'15" E

FAIR SLICE, LLC
PIN: 3404195020S4
MAP BOOK: 26 PAGE 146
DEED BOOK: 1721 PAGE 870

SITE LEGEND

SYMBOL	DESCRIPTION
	BOUNDARY
	BUFFER
	CENTER LINE
	CURB & GUTTER
	EASEMENT
LOD LOD	LIMIT OF DISTURBANCE
	LOT LINE
	PHASE LINE
	RIGHT OF WAY
	SETBACK
	BUILDING
	CONCRETE PAVING
	HEAVY DUTY ASPHALT PAVING
	LIGHT DUTY ASPHALT PAVING
	GRAVEL EMERGENCY ACCESS

GRAPHIC SCALE
30 0 15 30 60
1 inch = 30 ft.

Know what's below. Call before you dig.

Preliminary Plan
David D. Bartow
Registered Landscape Architect
12/12/2023
PRELIMINARY
NOT APPROVED FOR CONSTRUCTION
DAVE D. BARTOW
NO. 3785
REGISTERED LANDSCAPE ARCHITECT

DUPLIN COUNTY DETENTION CENTER

SITE AND CONSTRUCTION DRAWINGS

DUDHSR# J-378
DUPLIN COUNTY NC
KENANSVILLE, NORTH CAROLINA

MA PROJECT NO: 821373
WR PROJECT NO: 02220710
DATE: 08/25/2023

REVISIONS	
DATE	DESCRIPTION
12-12-2023	BID SET

DETAILED SITE PLAN

C2.01

k:\2022\02220710-duplin co detention ctr - kenansville\CAD\drawing sets\design development plans\C2.01 SITE PLAN.dwg, 12/12/2023 - 9:05, STEVE

COUNTY OF DUPLIN
DEED BOOK 1264, PAGE 308
MAP BOOK 20, PAGE 233
MAP BOOK 9, PAGE 67

DEED BOOK 1264, PAGE 308
DEED BOOK 1264, PAGE 305

COUNTY OF DUPLIN
DEED BOOK 1264, PAGE 305
MAP BOOK 9, PAGE 67
MAP BOOK 20, PAGE 233

FIRE HYDRANT

ADD ALTERNATE
BUILDING EXPANSION

PROPOSED DETENTION CENTER
57,797 SF (2-STORY TOTAL)
FFE: 129.00'

FUTURE BUILDING
EXPANSION

FUTURE BUILDING
EXPANSION

FUTURE BUILDING
EXPANSION

MECHANICAL
YARD

FDC

FIRE HYDRANT

FIRE HYDRANT

FIRE HYDRANT

FIRE HYDRANT

FIRE HYDRANT

EXISTING GRAVEL DRIVE

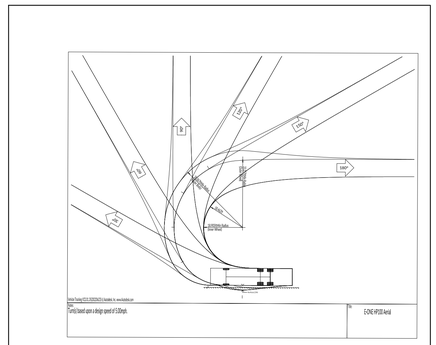
EXISTING GRAVEL DRIVE

OLD ATLANTIC COASTLINE RAILROAD
RIGHT-OF-WAY (100' R/W)

N 32°43'37" E
569.16'

3020.54
186.47

S 32°43'37" W
569.16'





SCHE HP18 Aerial

Overall Length	40.0000ft
Overall Width	8.5000ft
Overall Body Height	11.0000ft
Min Body Ground Clearance	1.1818ft
Track Width	8.5000ft
Lock to lock time	6.00s
Max Wheel Angle	41.00°

GRAPHIC SCALE
30 0 15 30 60
1 inch = 30 ft.

WithersRavenel
Engineers | Planners | Surveyors
115 MacKenan Drive | Cary, NC 27511 | t: 919-469-3340 | license #: P-1479 | www.withersravenel.com

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

Digitally signed by David Dan Bartone
Date: 2023.12.12 08:47:27 -05'00'

PRELIMINARY
NOT APPROVED FOR
CONSTRUCTION
12/7/2023
STATE OF NORTH CAROLINA
ENGINEER
DAVE D. BARTONE
037355

DUPLIN COUNTY DETENTION CENTER

SITE AND CONSTRUCTION DRAWINGS

DUDHSR# J-378
DUPLIN COUNTY NC
KENANSVILLE, NORTH CAROLINA

MA PROJECT NO: 621373
WR PROJECT NO: 02220710
DATE: 08/25/2023

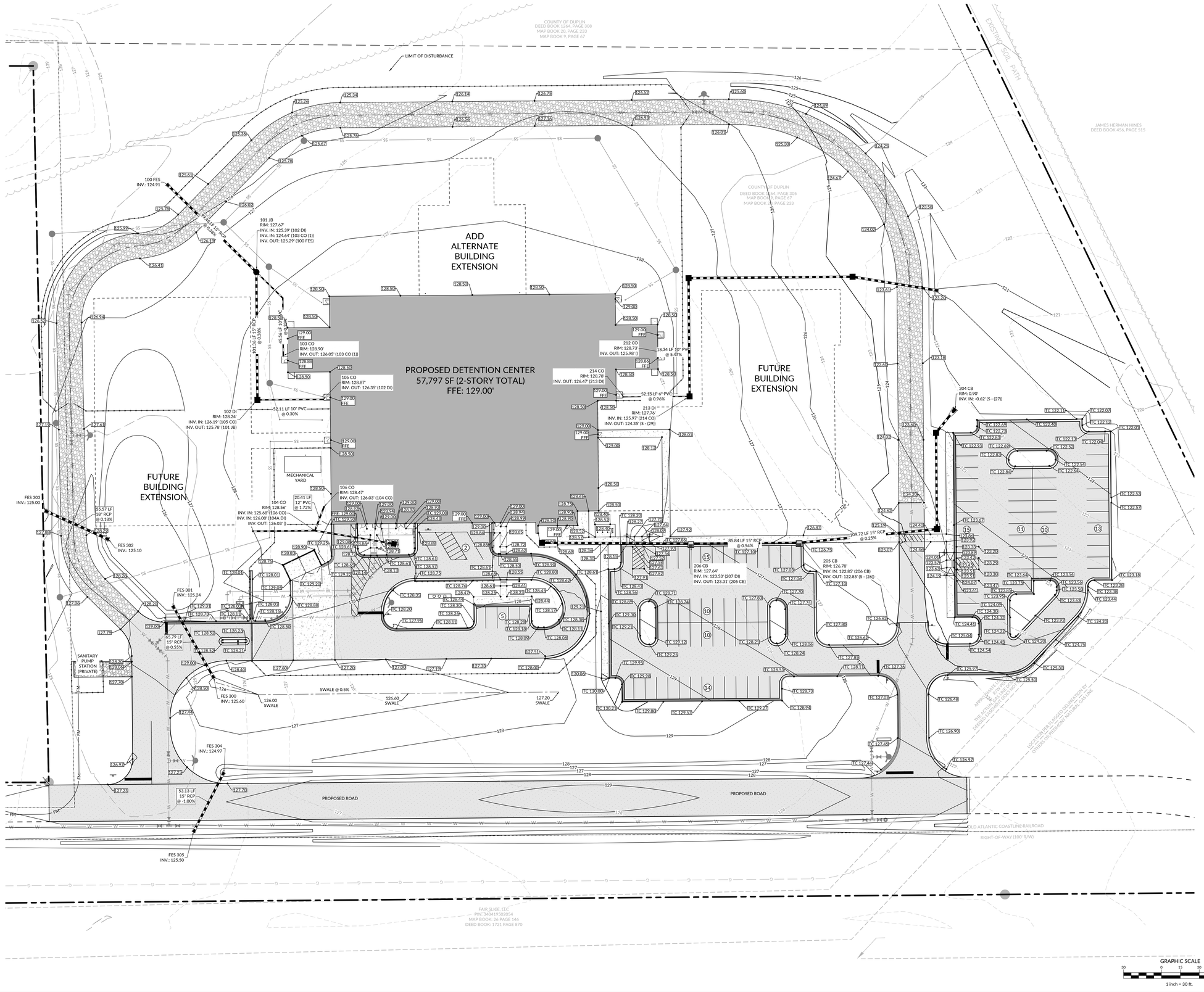
REVISIONS	
DATE	DESCRIPTION
12-12-2023	BID SET

FIRE APPARATUS PLAN

C2.02

811 Know what's below. Call before you dig.

K:\22\22-0710\20\710-Duplin co dcsmeboro ctr\ 9 complete\CAD\drawing sets\design development plans\C2.02 FIRE APPARATUS PLAN.dwg, 12/12/2023 - 8:08, STEVE



GRAPHIC SCALE

30 0 15 30 60

1 inch = 30 ft.

STORMWATER MANAGEMENT NOTES:

THE PROJECT IS LOCATED IN THE LIMESTONE CREEK-NORTHEAST CAPE FEAR RIVER BASIN. THIS IS NOT A NUTRIENT SENSITIVE BASIN. THERE IS NO STORMWATER PROGRAM IN THIS AREA THAT REQUIRES POST CONSTRUCTION STORMWATER CONTROL MEASURES. THEREFORE NO SCM POND / OUTLET IS PROPOSED.

STORM DRAINAGE NOTES:

-CB IS CATCH BASIN WITH CURB INLET, RIM = TOP OF CURB
-JB IS JUNCTION BOX , RIM = TOP OF COVER
-DI IS CATCH BASIN WITH GRATE INLET, RIM = TOP OF GRATE
-RCP IS REINFORCED CONCRETE PIPE
-"RGRCP" IS RUBBER GASKETED REINFORCED CONCRETE PIPE
-ALL RCP PIPE IS CLASS III UNLESS OTHERWISE NOTED.
-HDPE IS HIGH DENSITY POLYETHYLENE PIPE WITH SMOOTH INTERIOR/CORRUGATED EXTERIOR.
-ALL CB, GI, AI AND JB WILL RECEIVE WIRE MESH AND GRAVEL INLET PROTECTION.

PROPOSED GRADING LEGEND

SYMBOL	DESCRIPTION
100	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
100	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR

PROPOSED STORM DRAINAGE LEGEND

SYMBOL	DESCRIPTION
	STORM PIPE
	CATCH BASIN (CB)
	FLARED END SECTION (FES)
	JUNCTION BOX (JB)
	RIP RAP DISSIPATER
	YARD INLET (YI)/DROP INLET (DI)

811 know what's below. Call before you dig.

WithersRavenel
Engineers | Planners | Surveyors
115 MacKenan Drive | Cary, NC 27511 | t: 919.469.3340 | license #: P-1479 | www.withersravenel.com

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 940-3755 FAX (704) 940-3754
MOSELEYARCHITECTS.COM

Digitally signed by David Dunbar
Date: 2023.12.12

PRELIMINARY
NOT APPROVED FOR CONSTRUCTION
10738
ENGINEER
DAVE D. BARTONE

DUPLIN COUNTY DETENTION CENTER

SITE AND CONSTRUCTION DRAWINGS

DUDHSR# J-378
DUPLIN COUNTY NC
KENANSVILLE, NORTH CAROLINA

MA PROJECT NO: 621373
WR PROJECT NO: 02220710
DATE: 08/25/2023

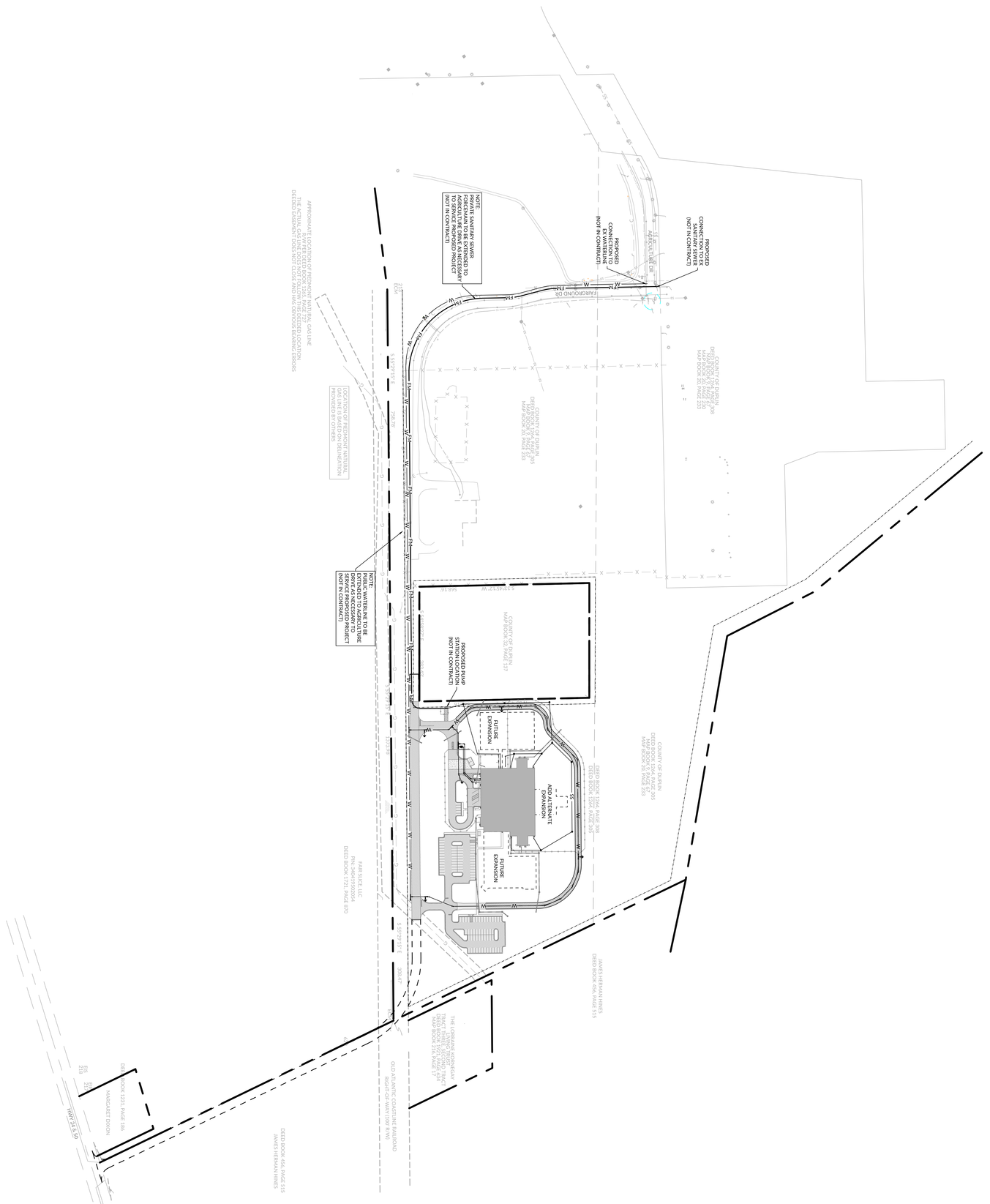
REVISIONS

DATE	DESCRIPTION
12-12-2023	BID SET

GRADING AND STORM DRAINAGE PLAN

C3.00

k:\25-22-07\25-22-07.dwg&lts.xxx-definitions.ctb lte xrcomplete-CAD\drawing sets\design development plans\C4\C4.01 GRADING AND STORM DRAINAGE PLAN.dwg, 12/12/2023 - 8:06, STEVE



811 Know what's below. Call before you dig.

WithersRavenel
Engineers | Planners | Surveyors
115 MacKenan Drive | Cary, NC 27511 | t: 919.469.3340 | license #: F-1479 | www.withersravenel.com

DUPLIN COUNTY DETENTION CENTER

SITE AND CONSTRUCTION DRAWINGS

DUDHSR# J-378
DUPLIN COUNTY NC
KENANSVILLE, NORTH CAROLINA

Daniel D. Barbine
PRELIMINARY
NOT APPROVED FOR CONSTRUCTION
DANIEL D. BARBINE 037355 REGISTERED PROFESSIONAL ENGINEER

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

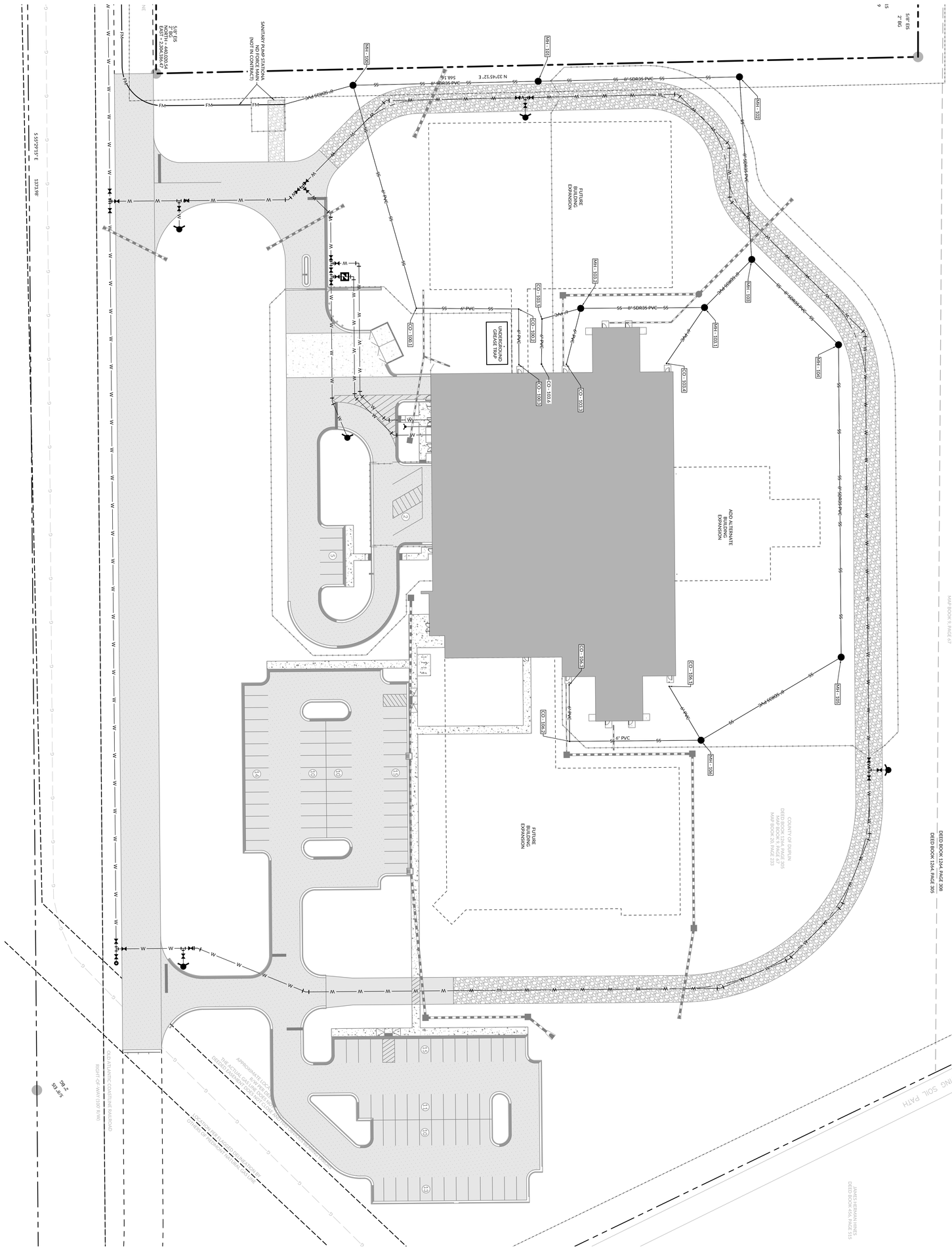
WA PROJECT NO: 621373
MA PROJECT NO: 220710
DATE: 08/25/2023

REVISIONS	
DATE	DESCRIPTION
12-12-2023	BID SET

OVERALL UTILITY PLAN

C4.00

k:\22-22-0710-220710-duplin co detention ctr le complex\CAD\drawing sets\design development plans\C3.01 UTILITY PLAN.dwg- 12/12/2023 - ROE, STEVE



PROPOSED UTILITIES LEGEND

SYMBOL	DESCRIPTION
W	FIRE LINE
FM	FORCEMAIN
SS	SANITARY SEWER PIPE
W	WATER MAIN
W	RECLAIMED WATER LINE
	FIRE LANE
	BACKFLOW PREVENTER
	BLOW OFF
	FIRE DEPARTMENT CONNECTION (FDC)
	FIRE HYDRANT ASSEMBLY
	SEWER CLEANOUT
	SEWER MANHOLE
	WATER METER
	WATER VALVE

WithersRavenel
Engineers | Planners | Surveyors
115 MacKenan Drive | Cary, NC 27511 | t: 919.469.3340 | license #: F-1479 | www.withersravenel.com

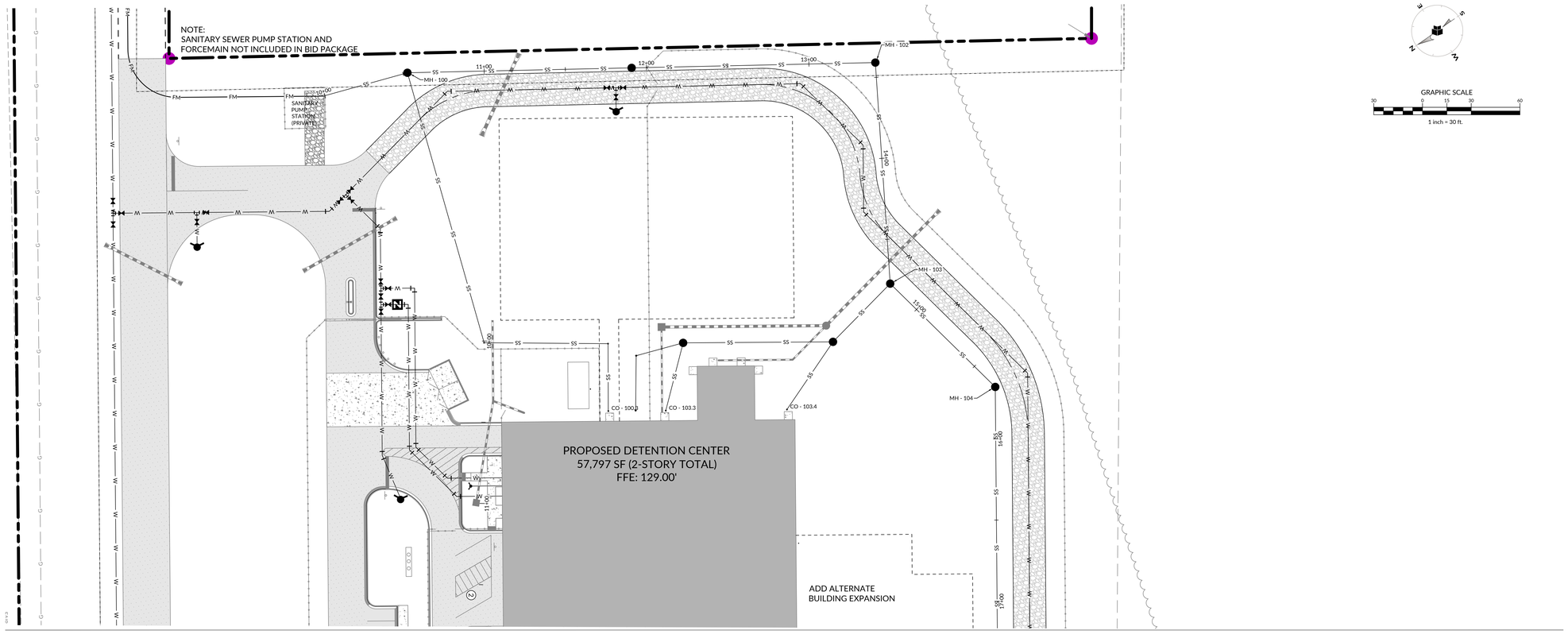
MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

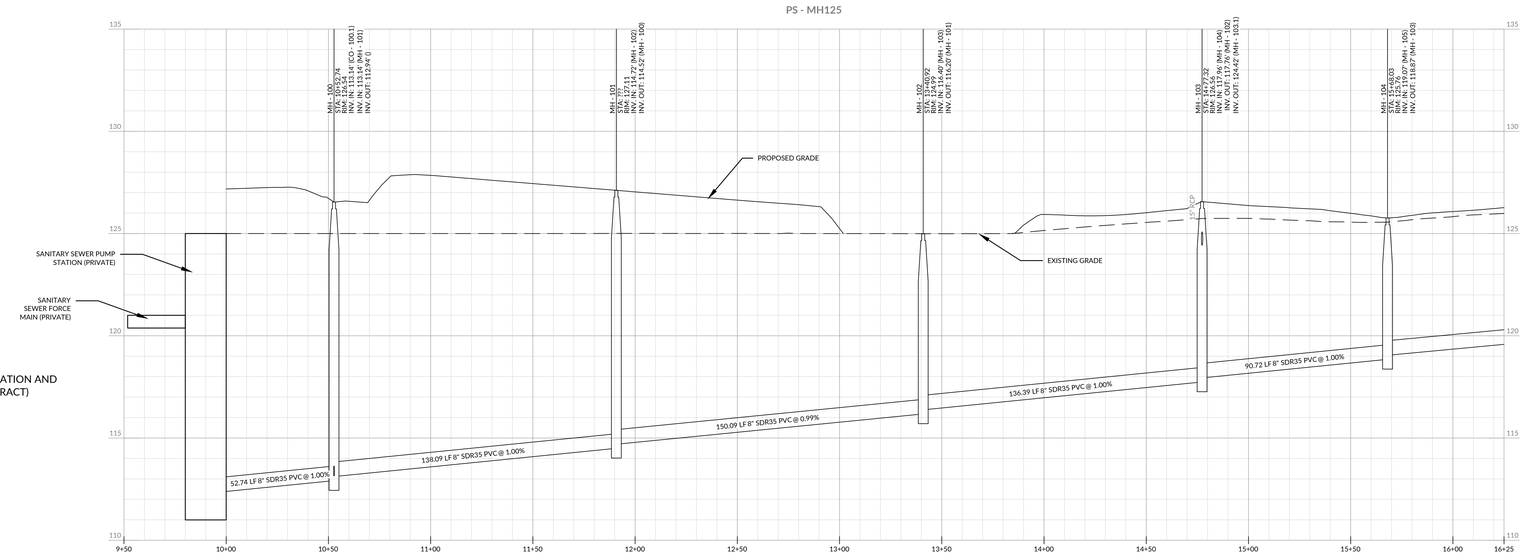
PRELIMINARY
NOT APPROVED FOR CONSTRUCTION
ENGINEER
DAVE D. BARTONE

DUPLIN COUNTY DETENTION CENTER
SITE AND CONSTRUCTION DRAWINGS
DUDHSR# J-378
DUPLIN COUNTY NC
KENANSVILLE, NORTH CAROLINA

MA PROJECT NO: 621373
WR PROJECT NO: 022207.10
DATE: 08/25/2023
REVISIONS
DATE DESCRIPTION
12-12-2023 BID SET

UTILITY PLAN
C4.01





NOTE:
SANITARY SEWER PUMP STATION AND
FORCEMAIN (NOT IN CONTRACT)

SANITARY SEWER PROFILES

PROFILE VIEW
GRAPHIC SCALE
1" = 30' HORZ.
1" = 3' VERT.

WithersRavenel
Engineers | Planners | Surveyors
115 MacKenan Drive | Cary, NC 27511 | t: 919.469.3340 | license #: F-1479 | www.withersravenel.com

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

David D. Bartone
12/12/2023
PRELIMINARY
NOT APPROVED FOR CONSTRUCTION
ENGINEER
DAVE D. BARTONE

DUPLIN COUNTY DETENTION CENTER

SITE AND CONSTRUCTION DRAWINGS

DUDHSR# J-378
DUPLIN COUNTY NC
KENANSVILLE, NORTH CAROLINA

MA PROJECT NO: 621373
WR PROJECT NO: 02220710
DATE: 08/25/2023

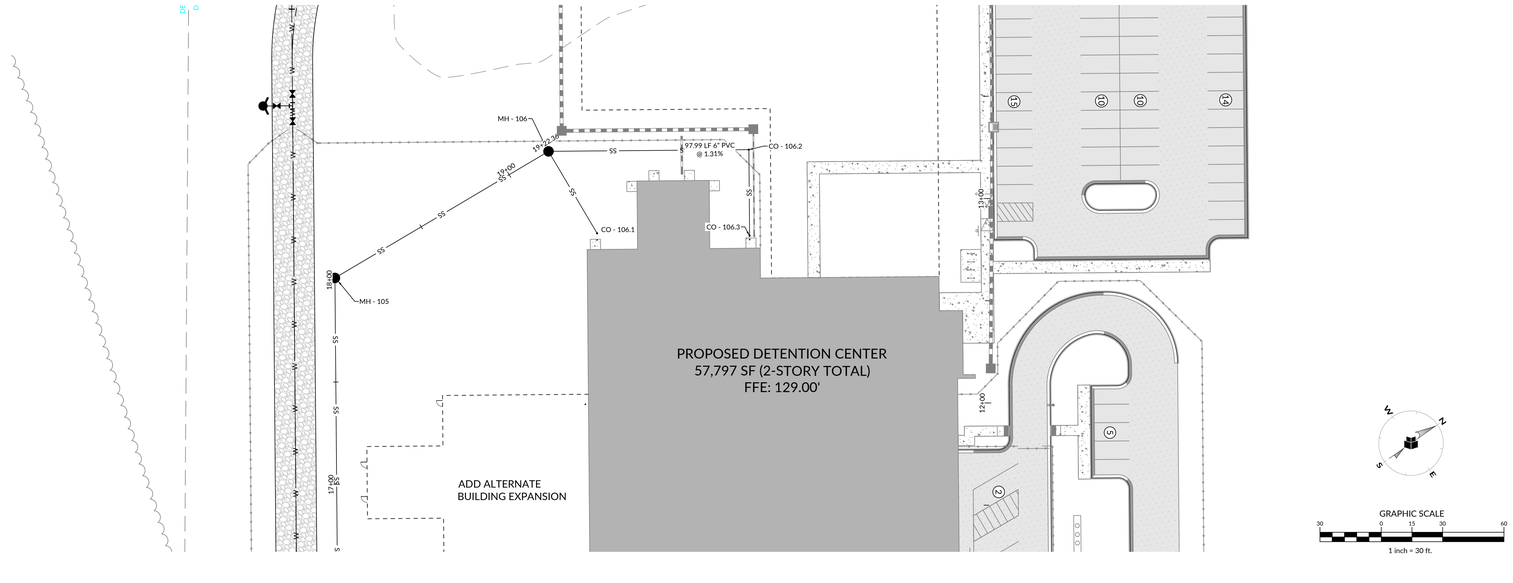
REVISIONS

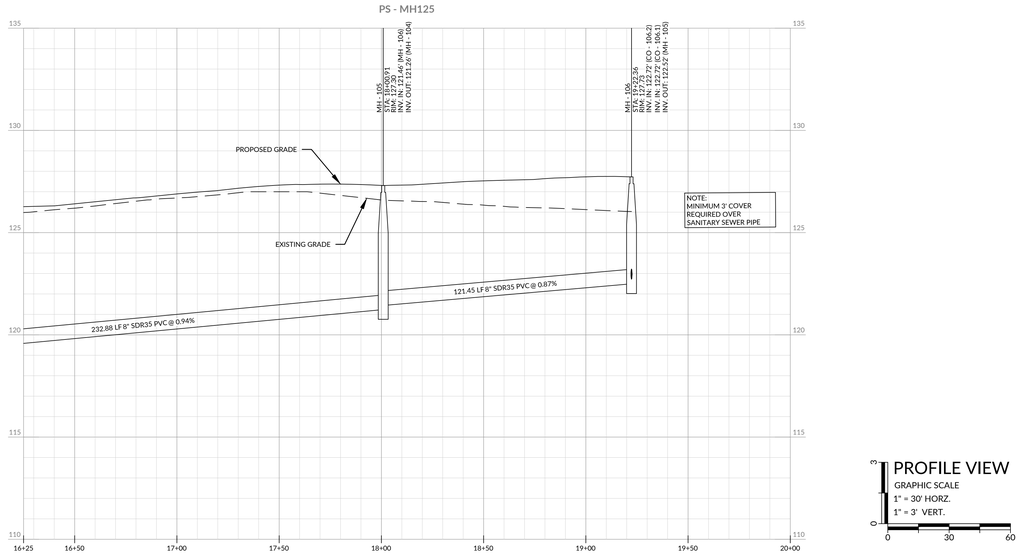
DATE	DESCRIPTION
12-12-2023	BID SET

811 Know what's below. Call before you dig.

SANITARY PLAN & PROFILE

C4.02





SANITARY SEWER PROFILES

PROFILE VIEW
GRAPHIC SCALE
1" = 30' HORZ.
1" = 3' VERT.
0
3
0
30
60

WithersRavenel
Engineers | Planners | Surveyors
115 MacKenan Drive | Cary, NC 27511 | t: 919.469.3340 | license # P-1479 | www.withersravenel.com

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

Digitally signed by David Dan Bartone
Date: 2023.12.04 09:24:24 -05'00'

PRELIMINARY
NOT APPROVED FOR
CONSTRUCTION
12/7/2023
NORTH CAROLINA
PROFESSIONAL ENGINEER
DAVE D. BARTONE

DUPLIN COUNTY DETENTION CENTER

SITE AND CONSTRUCTION DRAWINGS

DUDHSR# J-378
DUPLIN COUNTY NC
KENANSVILLE, NORTH CAROLINA

MA PROJECT NO: 621373
WR PROJECT NO: 02220710
DATE: 08/25/2023

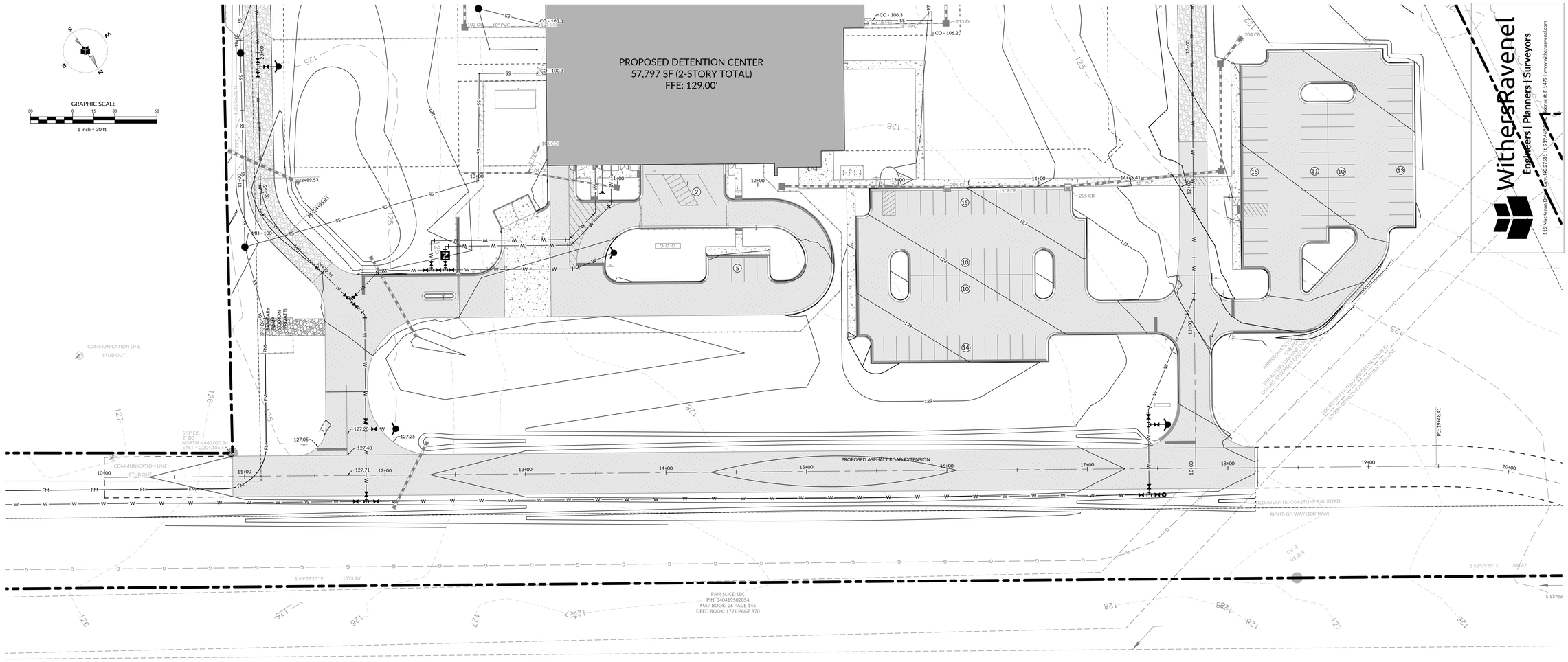
REVISIONS	
DATE:	DESCRIPTION
12-12-2023	BID SET

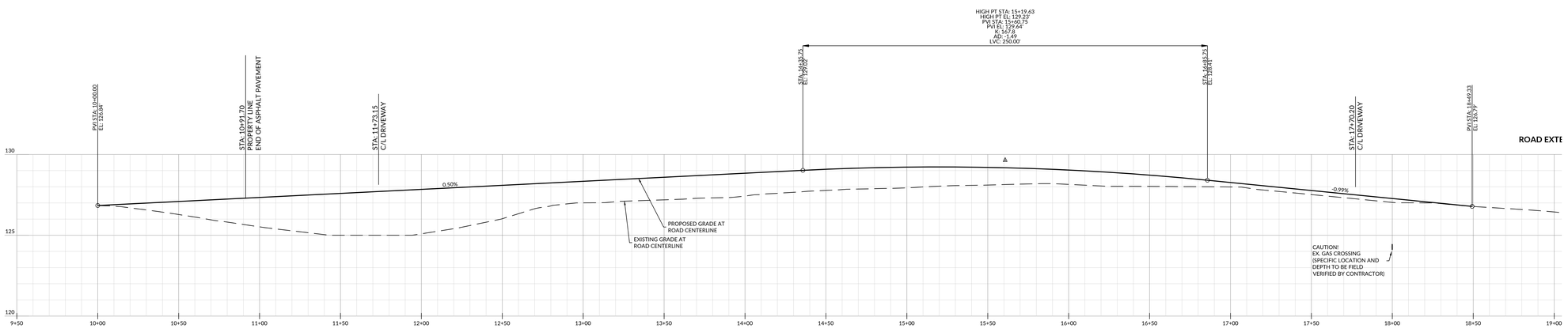
811 Know what's below. Call before you dig.

SANITARY PLAN & PROFILE

C4.03

k:\22\22-0770\22070-duplin co detention ctr le complete\CAD\drawing sets\design development plans\C7.02 SANITARY PLAN & PROFILE.dwg - 12/12/2023 - RICK_STEVE





ROAD EXTENSION PROFILE

PROFILE VIEW
GRAPHIC SCALE
1" = 30' HORZ.
1" = 3' VERT.
3 0
0 30 60

811 Know what's below. Call before you dig.

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

Digitally signed by David D. Bartone
DN: cn=David D. Bartone, o=Withers Ravenel, ou=Engineering, email=dbartone@withersravenel.com, c=US
Date: 2023.12.12 10:44:23 -05'00'

PRELIMINARY
NOT APPROVED FOR CONSTRUCTION
12/12/2023
NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER
DAVID D. BARTONE

DUPLIN COUNTY DETENTION CENTER

SITE AND CONSTRUCTION DRAWINGS

DUDHSR# J-378
DUPLIN COUNTY NC
KENANSVILLE, NORTH CAROLINA

MA PROJECT NO: 821373
WR PROJECT NO: 02220710
DATE: 08/25/2023

REVISIONS	
DATE	DESCRIPTION
12-12-2023	BID SET

DRIVE EXTENSION PLAN & PROFILE

C4.04

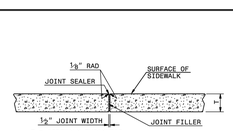
k:\2021\21-07193-22070\5-dwg\6-civil\detention ctr\4-xrefs\CAD\drawing sets\design development (plans)\C4.03 DRIVE EXTENSION PLAN & PROFILE.dwg, 12/12/2023 - 10:42, STEVE

NOTES:

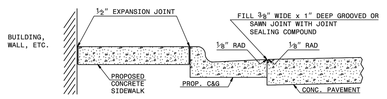
CONSTRUCT STANDARD SIDEWALK 5' WIDE AND 4" THICK UNLESS OTHERWISE DENOTED ON PLANS.

PLACE A GROOVE JOINT 1" DEEP WITH 1/8" RADII IN THE CONCRETE SIDEWALK AT 5' INTERVALS. ONE ½" EXPANSION JOINT WILL BE REQUIRED AT 50' INTERVALS. A ½" EXPANSION JOINT WILL BE REQUIRED WHERE THE SIDEWALK JOINS ANY RIGID STRUCTURE.

SEE STD. DWG. 848.05 FOR CURB RAMP LOCATION REQUIREMENTS AND CONSTRUCTION GUIDELINES.



TRANSVERSE EXPANSION JOINT IN SIDEWALK



DETAILS SHOWING JOINTS IN CONCRETE SIDEWALK

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

1-18

ROADWAY STANDARD DRAWING FOR **CONCRETE SIDEWALK**

SHEET 1 OF 1
848.01

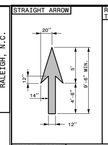
STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

1-18

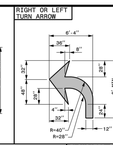
ROADWAY STANDARD DRAWING FOR **PAVEMENT MARKING SYMBOLS AND WORD MESSAGES**

SHEET 1 OF 3
1205.08

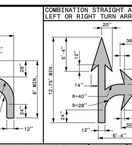
STRAIGHT ARROW



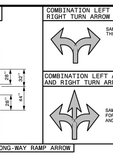
RIGHT OR LEFT TURN ARROW



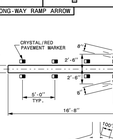
COMBINATION STRAIGHT AND LEFT OR RIGHT TURN ARROW



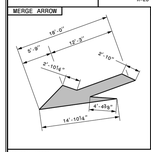
COMBINATION LEFT AND RIGHT TURN ARROW



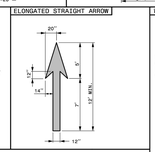
COMBINATION LEFT AND STRAIGHT AND RIGHT TURN ARROW



MERGE ARROW



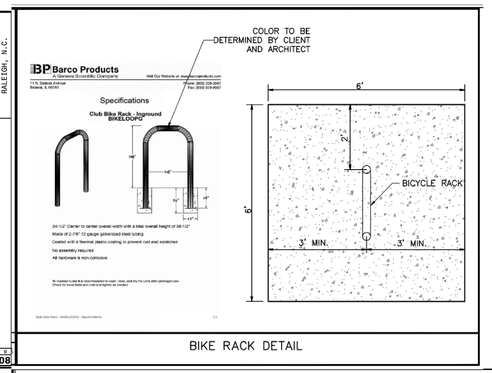
ELONGATED STRAIGHT ARROW



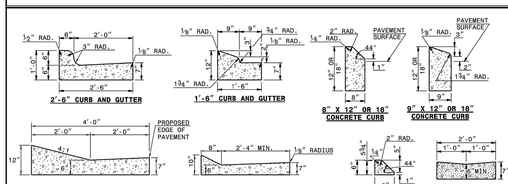
WRONG-WAY RAMP ARROW

GENERAL NOTES:
1- USE THE COLOR WHITE FOR ALL PAVEMENT MARKING SYMBOLS.
2- DO NOT LOCATE PAVEMENT MARKING SYMBOLS AS TO ENCROACH INTO INTERSECTION AREAS.
3- DO NOT PLACE SYMBOLS ACROSS TRANSVERSE EXPANSION JOINTS ON PORTLAND CEMENT CONCRETE PAVEMENTS, UNLESS APPROVED BY THE ENGINEER.
4- CONFORM ALL SYMBOLS TO THE FHWA "STANDARD HIGHWAY SIGNS" MANUAL WHICH INCLUDES SIZE, SPACING, AND PLACEMENT DETAILS. SYMBOLS SHOWN ON THIS SHEET ARE TYPICAL. SYMBOL DESIGNS CAN VARY AMONG MANUFACTURERS. THEREFORE SLIGHT VARIANCES ARE ACCEPTABLE. HOWEVER, ALL SYMBOLS ARE REQUIRED TO BE APPROVED BY THE DEPARTMENT.

NOTE:
1- WHEN INSTALLING COLD APPLIED PLASTIC ON CONCRETE, IT IS RECOMMENDED TO USE COLD APPLIED PLASTIC WITH A BLACK CONTRASTING BORDER.

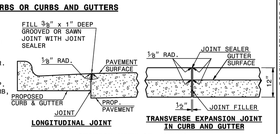


BIKE RACK DETAIL



SECTION VIEW OF CURBS OR CURBS AND GUTTERS

GENERAL NOTES:
-PLACE CONTRACTION JOINTS AT 10' INTERVALS, EXCEPT THAT A 15' SPACING MAY BE USED WHEN A MACHINE IS USED OR WHEN SATISFACTORY SUPPORT FOR THE FACE FORM CAN BE OBTAINED WITHOUT THE USE OF TEMPLATES AT 10' INTERVALS.
-JOINT SPACING MAY BE ALTERED IF REQUIRED BY THE ENGINEER.
-CONTRACTION JOINTS MAY BE INSTALLED WITH THE USE OF TEMPLATES OR FORMED BY OTHER APPROVED METHODS. CONSTRUCT NON-TEMPLATE FORMED JOINTS A MIN. OF 1½" DEEP.
-FILL ALL CONSTRUCTION JOINTS, EXCEPT IN 8"x6" MEDIAN CURB WITH JOINT FILLER AND SEALER.
-SPACE EXPANSION JOINTS AT 90' INTERVALS AND ADJACENT TO ALL RIGID OBJECTS.



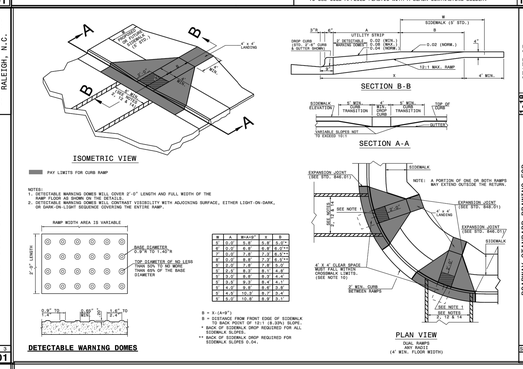
SECTION VIEW OF JOINTS

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

1-18

ROADWAY STANDARD DRAWING FOR **CONCRETE CURB, GUTTER AND CURB & GUTTER**

SHEET 2 OF 3
846.01

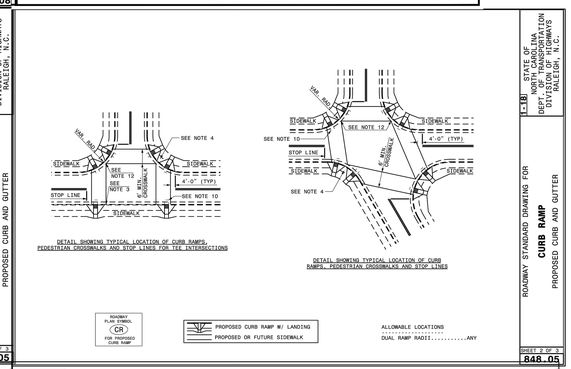


STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

1-18

ROADWAY STANDARD DRAWING FOR **CURB RAMP** PROPOSED CURB AND GUTTER

SHEET 1 OF 3
848.05



ROADWAY PLAN SYMBOL
CR
FOR PROPOSED CURB RAMP

PROPOSED CURB RAMP W/ LANDING

PROPOSED OR FUTURE SIDEWALK

ALLOWABLE LOCATIONS
.....
DUAL RAMP RADII:.....ANY

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

1-18

ROADWAY STANDARD DRAWING FOR **CURB RAMP** PROPOSED CURB AND GUTTER

SHEET 2 OF 3
848.05

NOTES:

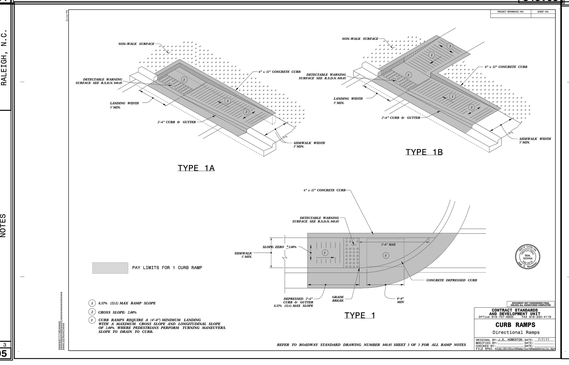
1. CONSTRUCT THE RAMP SURFACE TO BE STABLE, FIRM, AND SLIP RESISTANT. CONSTRUCT THE CURB RAMP TYPE AS SHOWN IN THE PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER.
2. LOCATE CURB RAMPS AND PLACE PEDESTRIAN CROSSWALK MARKINGS AS SHOWN IN THE PAVEMENT MARKING PLANS. WHEN FIELD ADJUSTMENTS REQUIRE MOVING CURB RAMPS OR MARKINGS AS SHOWN, CONTACT THE SIGNING AND DELINEATION UNIT OR LOCATE AS DIRECTED BY THE ENGINEER.
3. COORDINATE THE CURB RAMP AND THE PEDESTRIAN CROSSWALK MARKINGS SO A 4'x4' CLEAR SPACE AT THE BASE OF THE CURB RAMP WILL FALL WITHIN THE PEDESTRIAN CROSSWALK LINES.
4. SET BACK DISTANCE FROM INSIDE CROSSWALK MARKING TO NEAREST EDGE OF TRAVEL LANE IS 4' MINIMUM.
5. REFER TO THE PAVEMENT MARKING PLANS FOR STOP BAR LOCATIONS AT SIGNALIZED INTERSECTIONS. IF A PAVEMENT MARKING PLAN IS NOT PROVIDED, CONTACT THE SIGNAL DESIGN SECTION FOR THE STOP BAR LOCATIONS OR LOCATE AS DIRECTED BY THE ENGINEER.
6. TERMINATE PARKING A MINIMUM OF 20' BACK OF A PEDESTRIAN CROSSWALK.
7. CONSTRUCT CURB RAMPS A MINIMUM OF 4' WIDE.
8. CONSTRUCT THE RUNNING SLOPE OF THE RAMP 8.33% MAXIMUM.
9. ALLOWABLE CROSS SLOPE ON SIDEWALKS AND CURB RAMPS WILL BE 2% MAXIMUM.
10. CONSTRUCT THE SIDE FLARE SLOPE A MAXIMUM OF 10% MEASURED ALONG THE CURB LINE.
11. CONSTRUCT THE COUNTER SLOPE OF THE GUTTER ON STREET AT THE BASE OF THE CURB RAMP A MAXIMUM OF 5% AND MAINTAIN A SMOOTH TRANSITION.
12. CONSTRUCT LANDINGS FOR SIDEWALK A MINIMUM OF 4'x4' WITH A MAXIMUM SLOPE OF 2% IN ANY DIRECTION. CONSTRUCT LANDINGS FOR MEDIAN ISLANDS A MINIMUM OF 5'x5' WITH A MAXIMUM SLOPE OF 2% IN ANY DIRECTION.
13. TO USE A MEDIAN ISLAND AS A PEDESTRIAN REFUGE AREA, MEDIAN ISLANDS WILL BE A MINIMUM OF 6' WIDE. CONSTRUCT MEDIAN ISLANDS TO PROVIDE PASSAGE OVER OR THROUGHT THE ISLAND.
14. SMALL CHANNELIZATION ISLANDS THAT CAN NOT PROVIDE A 5'X5' LANDING AT THE TOP OF A RAMPS, WILL BE CUT THROUGH LEVEL WITH THE SURFACE STREET.
15. CURB RAMPS WITH RETURNED CURBS MAY BE USED ONLY WHERE PEDESTRIANS WOULD NOT NORMALLY WALK ACROSS THE RAMP. THE ADJACENT SURFACE IS PLANTING OR OTHER NON-WALKING SURFACE ON THE SIDE APPROACH IS SUBSTANTIALLY OBSTRUCTED.
16. PLACE A ½" EXPANSION JOINT WHERE THE CONCRETE CURB RAMP JOINS THE CURB AS SHOWN IN ROADWAY STANDARD DRAWING 848.01
17. PLACE ALL PEDESTRIAN PUSH BUTTON ACTUATORS AND CROSSING SIGNALS AS SHOWN IN THE PLANS OR AS SHOWN IN THE MUTCD.
18. 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 THE DETAILS OR FOR A SPECIAL DESIGN.

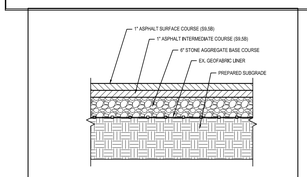
STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

1-18

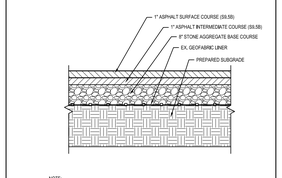
ROADWAY STANDARD DRAWING FOR **CURB RAMPS** NOTES

SHEET 3 OF 3
848.05

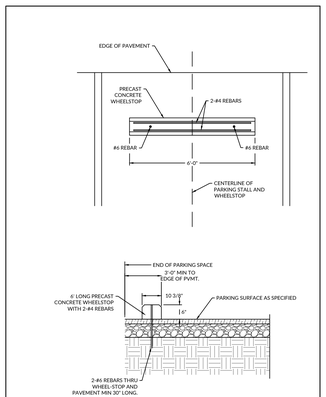




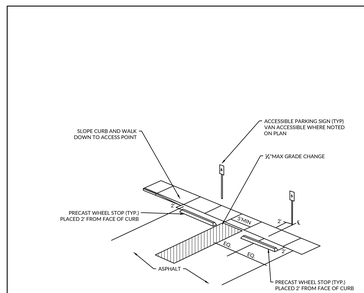
TYPICAL LIGHT-DUTY ASPHALT PAVMENT SECTION (PARKING SPACES)
NTS
CDCM
2023.04.06



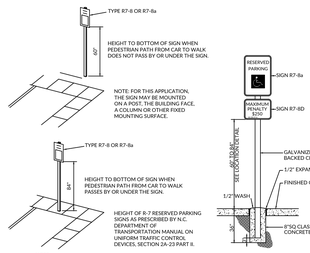
TYPICAL HEAVY-DUTY ASPHALT PAVEMENT SECTION (PARKING AISLE)
NTS
CDCM
2023.04.06



CONCRETE WHEELSTOP
NTS
CDCM
2021.11.16

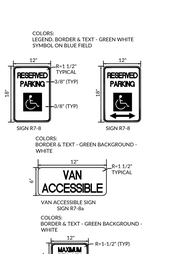


ACCESIBLE PARKING SPACE
NTS
CDCM
2023.04.06



HANDICAP SIGN DETAILS
NTS
CDCM
2023.04.06

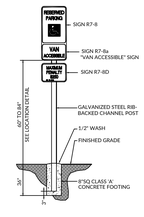
DISABLED/HANDICAP SIGNAGE ELEVATION



DISABLED/ACCESSIBLE SIGNAGE ELEVATION

NOT TO SCALE

HANDICAP SIGN DETAILS
NTS
CDCM
2023.04.06



"VAN ACCESSIBLE" SIGN ELEVATION

NOT TO SCALE

WithersRavenel
Engineers | Planners | Surveyors
115 MacKenan Drive | Cary, NC 27511 | t: 919.469.3340 | license # P-1479 | www.withersravenel.com

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 940-3755 FAX (704) 940-3754
MOSELEYARCHITECTS.COM

David D. Bartone
Expires: 6/30/2025
PRELIMINARY
NOT APPROVED FOR CONSTRUCTION
DATE
ENGINEER
DAVID D. BARTONE

DUPLIN COUNTY DETENTION CENTER

SITE AND CONSTRUCTION DRAWINGS

DUDHSR# J-378
DUPLIN COUNTY NC
KENANSVILLE, NORTH CAROLINA

MA PROJECT NO: 621373
WR PROJECT NO: 02220710
DATE: 08/25/2023

REVISIONS	
DATE	DESCRIPTION
12-12-2023	BID SET

SITE DETAILS

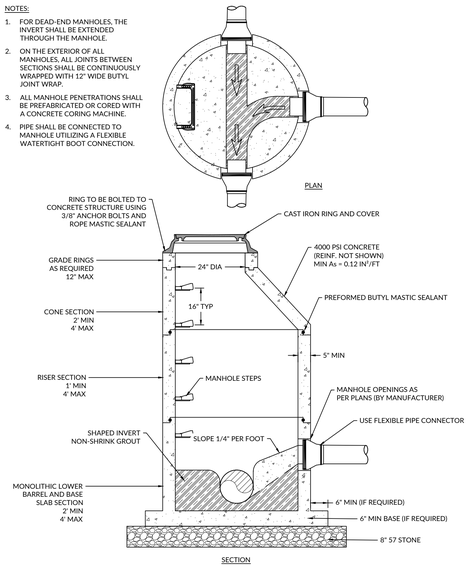
C5.00

811 Know what's below. Call before you dig.

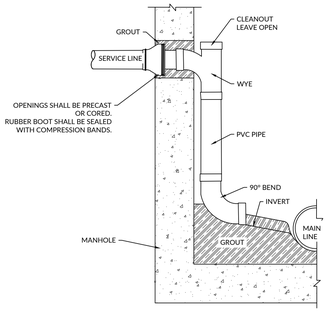
I:\C2\22-02\700\20700-Duplin co detention ctr - kv complete\CAD\drawing sets\design development plans\C5.00 SITE DETAILS.dwg 12/12/2023 - RICK_STEVE

NOTES:

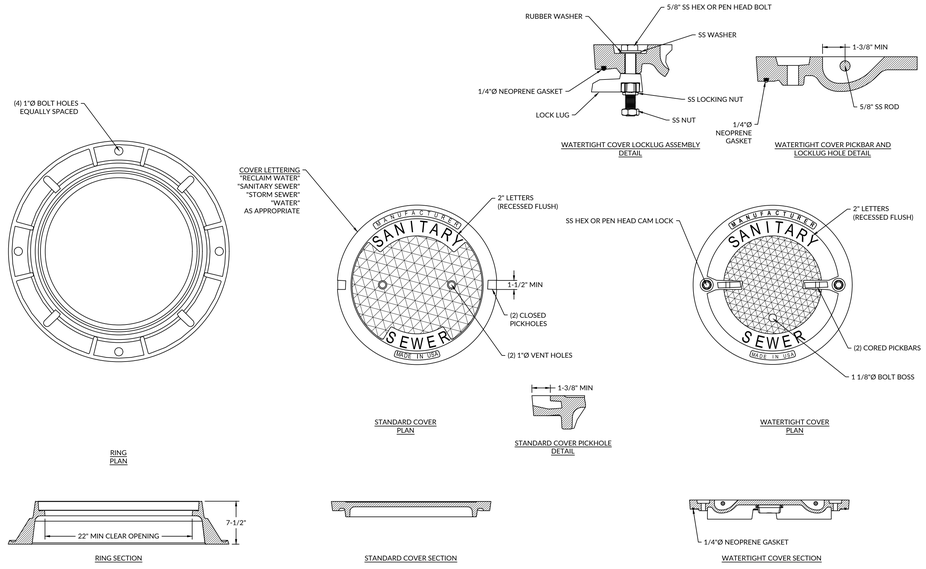
1. FOR DEAD-END MANHOLES, THE INVERT SHALL BE EXTENDED THROUGH THE MANHOLE.
2. ON THE EXTERIOR OF ALL MANHOLES, ALL JOINTS BETWEEN SECTIONS SHALL BE CONTINUOUSLY WRAPPED WITH 12" WIDE BUTYL JOINT WRAP.
3. ALL MANHOLE PENETRATIONS SHALL BE PREFABRICATED OR CORED WITH A CONCRETE CORING MACHINE.
4. PIPE SHALL BE CONNECTED TO MANHOLE UTILIZING A FLEXIBLE WATERTIGHT BOOT CONNECTION.



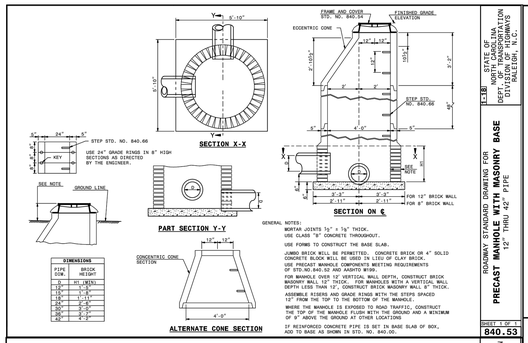
PRECAST CONCRETE MANHOLE
NTS
C7001
2021.11.18



SERVICE LATERAL TO MANHOLE CONNECTION
NTS
C7014
2021.11.18



MANHOLE RING AND COVER
NTS
C7023
2021.11.18

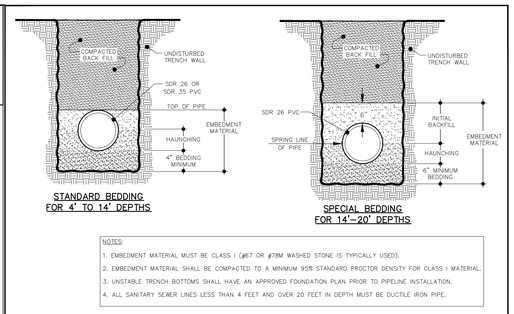


STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

1-1B

ROADWAY STANDARD DRAWING FOR **PRECAST MANHOLE WITH MASONRY BASE** 12" THRU 42" PIPE

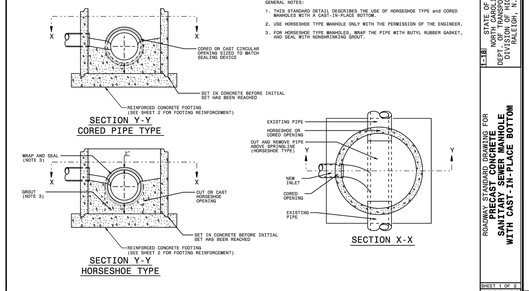
SHEET 1 OF 1
840.53



NOTES:

1. EMBEDMENT MATERIAL MUST BE CLASS I (#67 OR #78M WASHED STONE IS TYPICALLY USED).
2. EMBEDMENT MATERIAL SHALL BE COMPACTED TO A MINIMUM 95% STANDARD PROCTOR DENSITY FOR CLASS I MATERIAL.
3. UNSTABLE TRENCH BOTTOMS SHALL HAVE AN APPROVED FOUNDATION PLAN PRIOR TO PIPELINE INSTALLATION.
4. ALL SANITARY SEWER LINES LESS THAN 4 FEET AND OVER 20 FEET IN DEPTH MUST BE DUCTILE IRON PIPE.

BEDDING FOR PVC SANITARY SEWER PIPE — DETAIL No. 7000.25

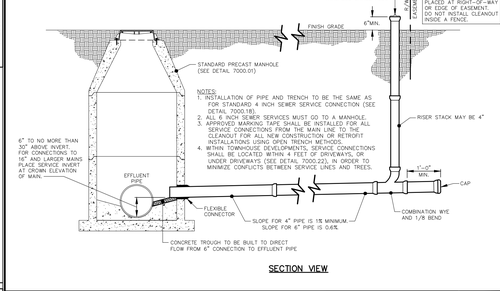


STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

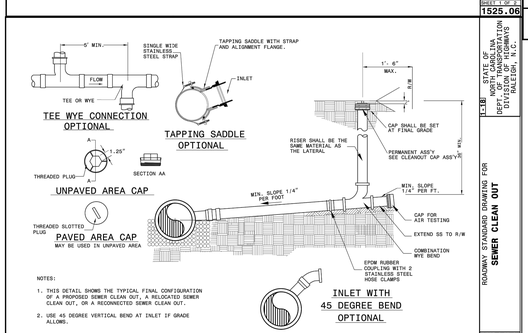
1-1B

ROADWAY STANDARD DRAWING FOR **PRECAST CONCRETE SANITARY SEWER MANHOLE WITH CAST-IN-PLACE BOTTOM**

SHEET 1 OF 2
1525.06



STANDARD SANITARY SEWER SERVICE MANHOLE TAP — DETAIL No. 7000.20

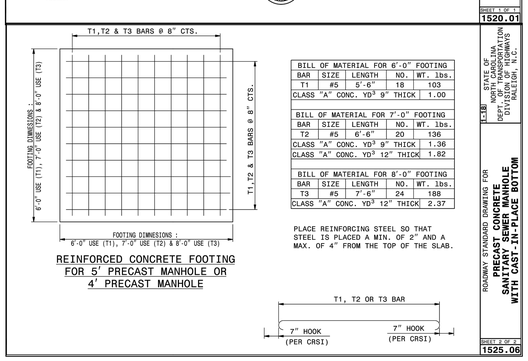


STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

1-1B

ROADWAY STANDARD DRAWING FOR **SEWER CLEAN OUT**

SHEET 1 OF 1
1520.01



BILL OF MATERIAL FOR 6'-0" FOOTING				
BAR	SIZE	LENGTH	NO.	WT. lbs.
T1	#5	5'-6"	18	103
CLASS "A" CONC. YD³ 9" THICK				1.00

BILL OF MATERIAL FOR 7'-0" FOOTING				
BAR	SIZE	LENGTH	NO.	WT. lbs.
T2	#5	6'-6"	20	136
CLASS "A" CONC. YD³ 9" THICK				1.36
CLASS "A" CONC. YD³ 12" THICK				1.82

BILL OF MATERIAL FOR 8'-0" FOOTING				
BAR	SIZE	LENGTH	NO.	WT. lbs.
T3	#5	7'-6"	24	188
CLASS "A" CONC. YD³ 12" THICK				2.37

PLACE REINFORCING STEEL SO THAT STEEL IS PLACED A MIN. OF 2" AND A MAX. OF 4" FROM THE TOP OF THE SLAB.

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

1-1B

ROADWAY STANDARD DRAWING FOR **PRECAST CONCRETE SANITARY SEWER MANHOLE WITH CAST-IN-PLACE BOTTOM**

SHEET 2 OF 2
1525.06

WithersRavenel
Engineers | Planners | Surveyors
115 MacKenan Drive | Cary, NC 27511 | t: 919.469.3340 | license #: P-1479 | www.withersravenel.com

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

David D. Bartone
DISCIPLINE: ENGINEER
REGISTRATION #: 032472
12/12/2023
PRELIMINARY
NOT APPROVED FOR CONSTRUCTION
STATE OF NORTH CAROLINA
SEAL
ENGINEER
DAVE D. BARTONE

DUPLIN COUNTY DETENTION CENTER

SITE AND CONSTRUCTION DRAWINGS

DUDHSR# J-378
DUPLIN COUNTY NC
KENANSVILLE, NORTH CAROLINA

MA PROJECT NO: 621373
WR PROJECT NO: 02220710
DATE: 08/25/2023

REVISIONS

DATE	DESCRIPTION
12-12-2023	BID SET

SANITARY SEWER DETAILS

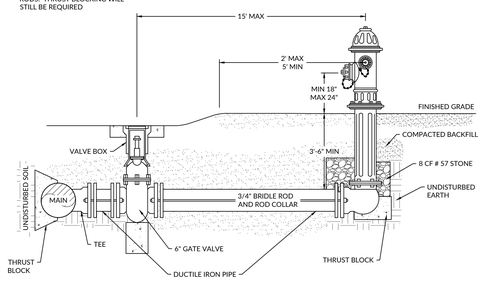
C5.01

811 Know what's below. Call before you dig.

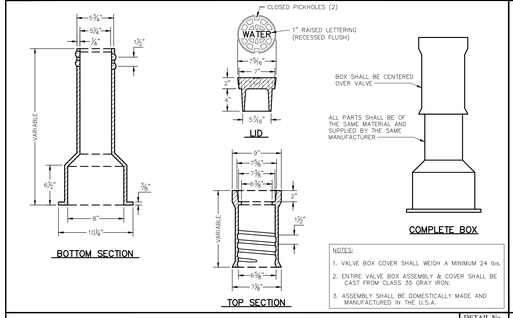
k:\22\22-0710\22070\3-design\c-civil\cad\drawing sets\design development plans\c5.00 SITE DETAILS.dwg, 12/12/2023 - 8:06, STEVE

NOTES:

1. HYDRANT TO BE PLACED WITH PUMPER NOZZLE FACING THE CLOSEST EDGE OF PAVEMENT.
2. WEDGE ACTION RESTRAINED MJ GLANDS MAY BE USED IN LIEU OF RODS. THRUST BLOCKING WILL STILL BE REQUIRED



FIRE HYDRANT ASSEMBLY
NTS
C6008
2021.11.18



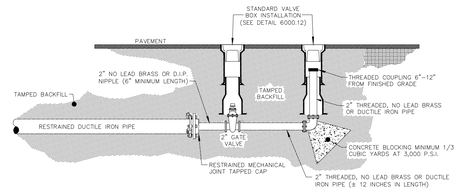
NOTES:
1. VALVE BOX COVER SHALL WEIGH A MINIMUM 24 lbs.
2. ENTIRE VALVE BOX ASSEMBLY & COVER SHALL BE CAST FROM CLASS 35 GRAY IRON.
3. ASSEMBLY SHALL BE DOMESTICALLY MADE AND MANUFACTURED IN THE U.S.A.

STANDARD WATER VALVE BOX

DETAIL No. 6000.12 SHEET 2 OF 2

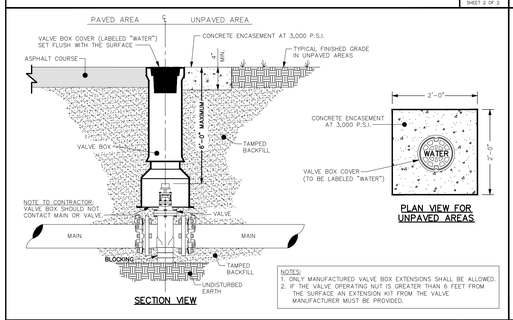
MAIN SIZE	END PIPE SIZE
4" – 12"	2" BLOW-OFF
14" & GREATER	AS APPROVED BY CARY

NOTES:
1. FOR MAINS THAT ARE TO BE EXTENDED, USE A VALVE EQUAL TO THE MAIN SIZE AS THE BLOW-OFF VALVE AND THEN REDUCE TO THE 2 INCH STANDPIPE.
2. PIPE SHALL BE RESTRAINED AWAY FROM THE TAPPED CAP AS SPECIFIED IN SECTION 6010.
3. STANDPIPE SHALL BE INSTALLED SO THAT IT IS CENTERED TO THE MAIN.



STANDARD 2" BLOW-OFF ASSEMBLY

DETAIL No. 6000.18

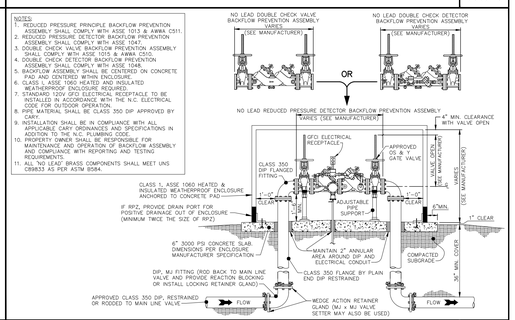


NOTES:
1. ONLY MANUFACTURED VALVE BOX EXTENSIONS SHALL BE ALLOWED.
2. IF THE VALVE OPERATING NUT IS GREATER THAN 6 FEET FROM THE SURFACE AN EXTENSION KIT FROM THE VALVE MANUFACTURER MUST BE PROVIDED.

STANDARD WATER VALVE BOX INSTALLATION

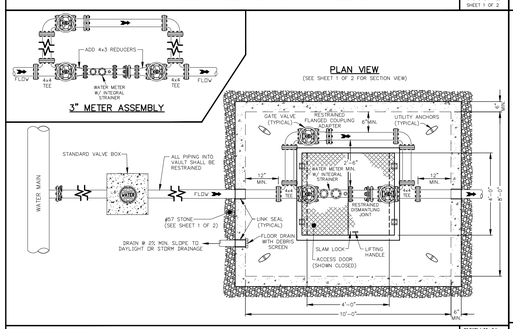
DETAIL No. 6000.12 SHEET 1 OF 2

NOTES:
1. REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY SHALL COMPLY WITH ASSE 1013 & AWWA C511.
2. REDUCED PRESSURE DETECTOR BACKFLOW PREVENTION ASSEMBLY SHALL COMPLY WITH ASSE 1047.
3. DUAL CHECK VALVE BACKFLOW PREVENTION ASSEMBLY SHALL COMPLY WITH ASSE 1015 & AWWA C510.
4. DOUBLE CHECK DETECTOR BACKFLOW PREVENTION ASSEMBLY SHALL COMPLY WITH ASSE 1048.
5. BACKFLOW ASSEMBLY SHALL BE CENTERED ON CONCRETE PAD AND ENCLOSED IN LOCKABLE ENCLOSURE.
6. CLASS 1, ASSE 1060 HEATED AND INSULATED WEATHERPROOF ENCLOSURE REQUIRED.
7. STANDARD 120V GFCI ELECTRICAL RECEPTACLE TO BE INSTALLED IN ACCORDANCE WITH THE N.C. ELECTRICAL CODE AND LOCAL ORDINANCES.
8. PIPE MATERIAL SHALL BE CLASS 350 DIP APPROVED BY CARY.
9. INSTALLATION SHALL BE IN COMPLIANCE WITH ALL APPLICABLE CARY ORDINANCES AND SPECIFICATIONS IN EFFECT AT THE TIME OF CONSTRUCTION.
10. PROPERTY OWNER SHALL BE RESPONSIBLE FOR MAINTENANCE AND OPERATION OF BACKFLOW ASSEMBLY AND COMPLIANCE WITH REPORTING AND TESTING REQUIREMENTS.
11. ALL "NO LEAD" BRASS COMPONENTS SHALL MEET UNS C89833 AS PER ASTM B584.



STANDARD COMMERCIAL OUTDOOR BACKFLOW ASSEMBLY, (2½" DIAMETER AND LARGER)

DETAIL No. 6200.05

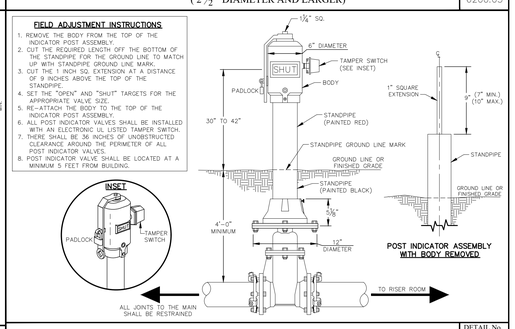


STANDARD 3" OR 4" METER INSTALLATION & VAULT

DETAIL No. 6000.04 SHEET 2 OF 2

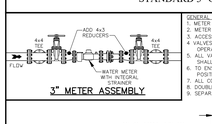
FIELD ADJUSTMENT INSTRUCTIONS

1. REMOVE THE BODY FROM THE TOP OF THE INDICATOR POST ASSEMBLY.
2. CUT THE REQUIRED LENGTH OFF THE BOTTOM OF THE STANDPIPE FOR THE GROUND LINE TO MATCH UP WITH STANDPIPE GROUND LINE MARK.
3. CUT THE 1 INCH SQ. EXTENSION AT A DISTANCE OF 9 INCHES ABOVE THE TOP OF THE STANDPIPE.
4. SET THE "OPEN" AND "SHUT" TARGETS FOR THE APPROPRIATE VALVE SIZE.
5. RE-ATTACH THE BODY TO THE TOP OF THE INDICATOR POST ASSEMBLY.
6. ALL POST INDICATOR VALVES SHALL BE INSTALLED WITH AN ELECTRONIC UL LISTED TAMPER SWITCH.
7. THERE SHALL BE 36 INCHES OF UNOBSTRUCTED CLEARANCE AROUND THE PERIMETER OF ALL POST INDICATOR VALVES.
8. POST INDICATOR VALVE SHALL BE LOCATED AT A MINIMUM 5 FEET FROM BUILDING.

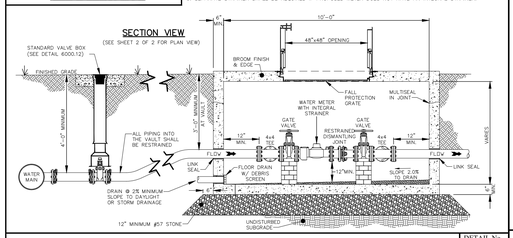


STANDARD POST INDICATOR VALVE

DETAIL No. 6000.30

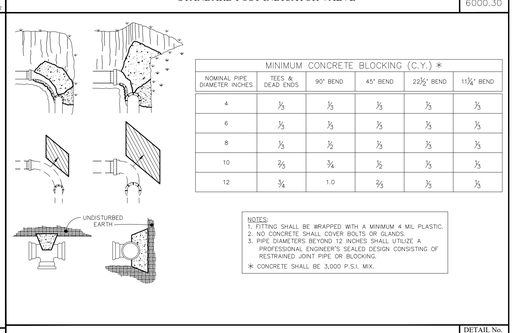


GENERAL NOTES:
1. METER AND BYPASS ASSEMBLY PIPING TO BE DUCTILE IRON FLANGED PIPE INSIDE THE VAULT.
2. METER FACE TO BE A MAXIMUM OF 3 FEET BELOW FINISHED GRADE.
3. ACCESS DOOR SHALL BE H-20 RATED ALUMINUM DOUBLE DOOR WITH A MINIMUM OPENING OF 48" x 48".
4. VALVES SHALL BE RESILIENT WEDGE GATE VALVES WITH NON-RISING STEM, HANDWHEEL OPERATORS AND FLANGE CONNECTIONS.
5. ALL VALVES SHALL BE SUPPORTED AND THE BYPASS LINE SHALL HAVE A TOTAL OF TWO SUPPORTS. SUPPORTS SHALL BE EITHER SOLID BRICK, SOLID BLOCK, OR STAINLESS STEEL.
6. TO ENSURE POSITIVE DRAINAGE, THE VAULT SHALL BE TIED INTO THE EXISTING STORM DRAINAGE SYSTEM. IF POSITIVE DRAINAGE IS UNOBTAINABLE, A SUMP PUMP SHALL BE LOCATED AND OPERATED IN THE VAULT.
7. ALL COMMERCIAL OR OTHER NON-RESIDENTIAL APPLICATIONS REQUIRE AN ABOVE GROUND BACKFLOW PREVENTER.
8. DOUBLE DOORS SHALL BE LOCKABLE WITH OWNER-SUPPLIED PADLOCK.
9. SEPARATE STRAINER SHALL BE REQUIRED IF PROPOSED METER DOES NOT HAVE AN INTEGRAL STRAINER.



STANDARD 3" OR 4" METER INSTALLATION & VAULT

DETAIL No. 6000.04 SHEET 1 OF 2



MINIMUM CONCRETE BLOCKING (C.Y.) *					
NOMINAL PIPE DIAMETER INCHES	TEES & DEAD-ENDS	90° BEND	45° BEND	22½° BEND	11¼° BEND
4	⅓	⅓	⅓	⅓	⅓
6	⅓	⅓	⅓	⅓	⅓
8	⅓	½	⅓	⅓	⅓
10	⅔	¾	½	⅓	⅓
12	¾	1.0	⅔	⅓	⅓

NOTES:
1. FITTING SHALL BE WRAPPED WITH A MINIMUM 4 MIL PLASTIC.
2. NO CONCRETE SHALL COVER BOLTS OR GLANDS.
3. PIPE DIAMETERS BEYOND 12 INCHES SHALL UTILIZE A PROFESSIONAL ENGINEER'S SEALED DESIGN CONSISTING OF RESTRAINED JOINT PIPE OR BLOCKING.

* CONCRETE SHALL BE 3,000 P.S.I. MIX.

STANDARD REACTION BLOCKING

DETAIL No. 6000.21

WithersRavenel
Engineers | Planners | Surveyors
115 MacKenan Drive | Cary, NC 27511 | t: 919.469.3340 | license # P-1479 | www.withersravenel.com

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 940-3755 FAX (704) 940-3754
MOSELEYARCHITECTS.COM

David D. Bartone
DSDBARTONE
12/12/2023
PRELIMINARY
NOT APPROVED FOR CONSTRUCTION
NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER
DAVID D. BARTONE

DUPLIN COUNTY DETENTION CENTER

SITE AND CONSTRUCTION DRAWINGS

DUDHSR# J-378
DUPLIN COUNTY NC
KENANSVILLE, NORTH CAROLINA

MA PROJECT NO: 621373
WR PROJECT NO: 02220710
DATE: 08/25/2023

REVISIONS

DATE	DESCRIPTION
12-12-2023	BID SET

811 Know what's below. Call before you dig.

WATER DETAILS

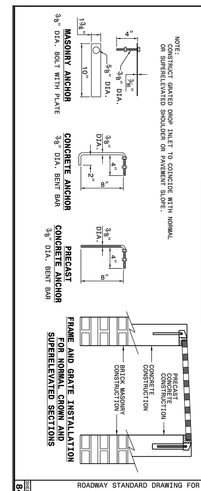
C5.02

k:\2022\621373\02220710-duplin co detention ctr - fe complex\CAD\drawing sets\design development plans\C6.00 SITE DETAILS.dwg, 12/12/2023 - RDE, STEVE

ROADWAY STANDARD DRAWING FOR
ANCHORAGE FOR FRAMES
BRICK/CONCRETE/PRECAST CONCRETE

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

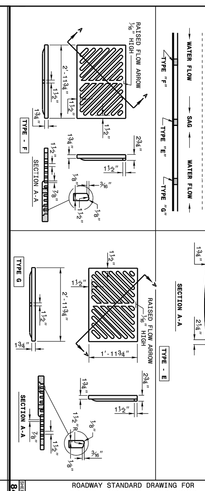
STD. NO. 840.25



ROADWAY STANDARD DRAWING FOR
FRAME, GRATES, AND HOOD
FOR USE ON STANDARD CATCH BASIN

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

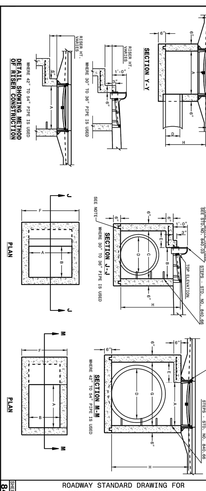
STD. NO. 840.03



ROADWAY STANDARD DRAWING FOR
CONCRETE CATCH BASIN
12" THRU 54" PIPE

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

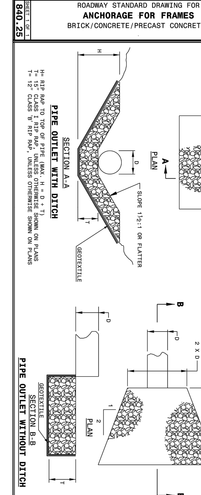
STD. NO. 840.02



ROADWAY STANDARD DRAWING FOR
CONCRETE CATCH BASIN
12" THRU 54" PIPE

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

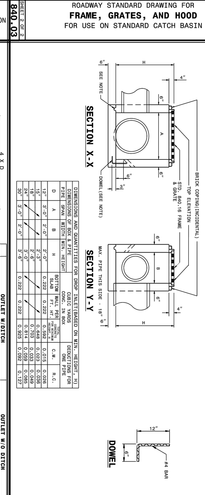
STD. NO. 840.02



ROADWAY STANDARD DRAWING FOR
CONCRETE DROP INLET
12" THRU 30" PIPE

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

STD. NO. 840.14



ROADWAY STANDARD DRAWING FOR
GUIDE FOR RIP RAP AT PIPE OUTLETS

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

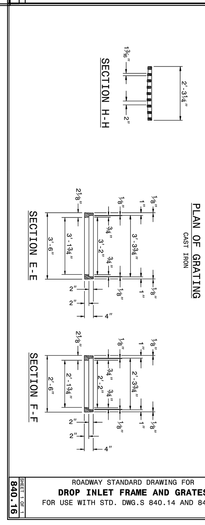
STD. NO. 876.02



ROADWAY STANDARD DRAWING FOR
DROP INLET FRAME AND GRATES
FOR USE WITH STD. DWG.S 840.14 AND 840.15

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

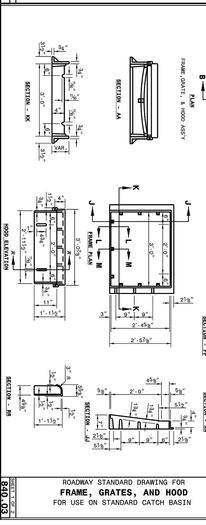
STD. NO. 840.16



ROADWAY STANDARD DRAWING FOR
FRAME, GRATES, AND HOOD
FOR USE ON STANDARD CATCH BASIN

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

STD. NO. 840.03



811 Know what's below. Call before you dig.

WithersRavenel
Engineers | Planners | Surveyors
115 MacKenan Drive | Cary, NC 27511 | t: 919.469.3340 | license #: F-1479 | www.withersravenel.com

DUPLIN COUNTY DETENTION CENTER
SITE AND CONSTRUCTION DRAWINGS
DUDHSR# J-378
DUPLIN COUNTY NC
KENANSVILLE, NORTH CAROLINA

David D. Barlowe
PRELIMINARY
NOT APPROVED FOR CONSTRUCTION
DATE ENGINEER
037393
DAVID D. BARLOWE

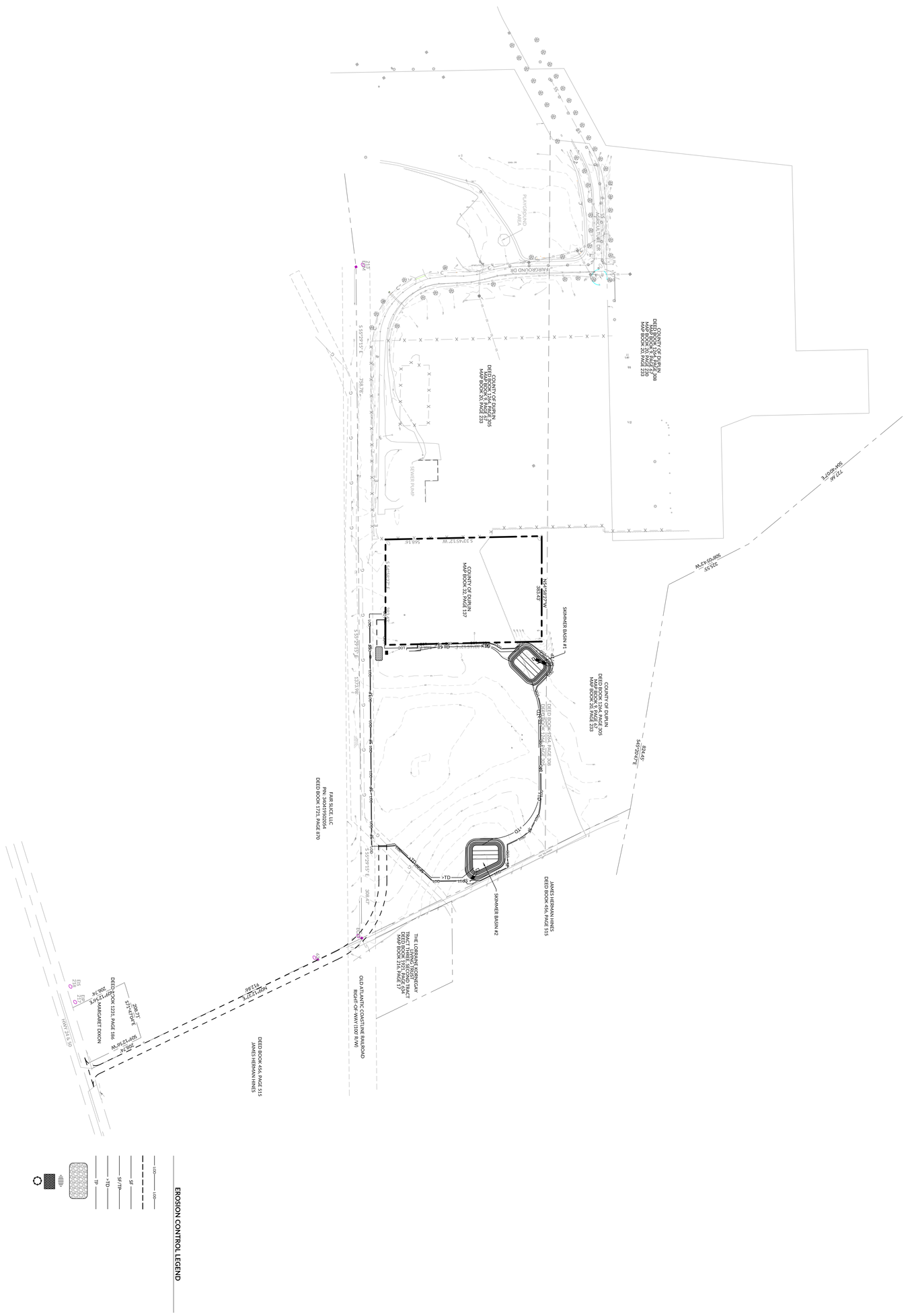
MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

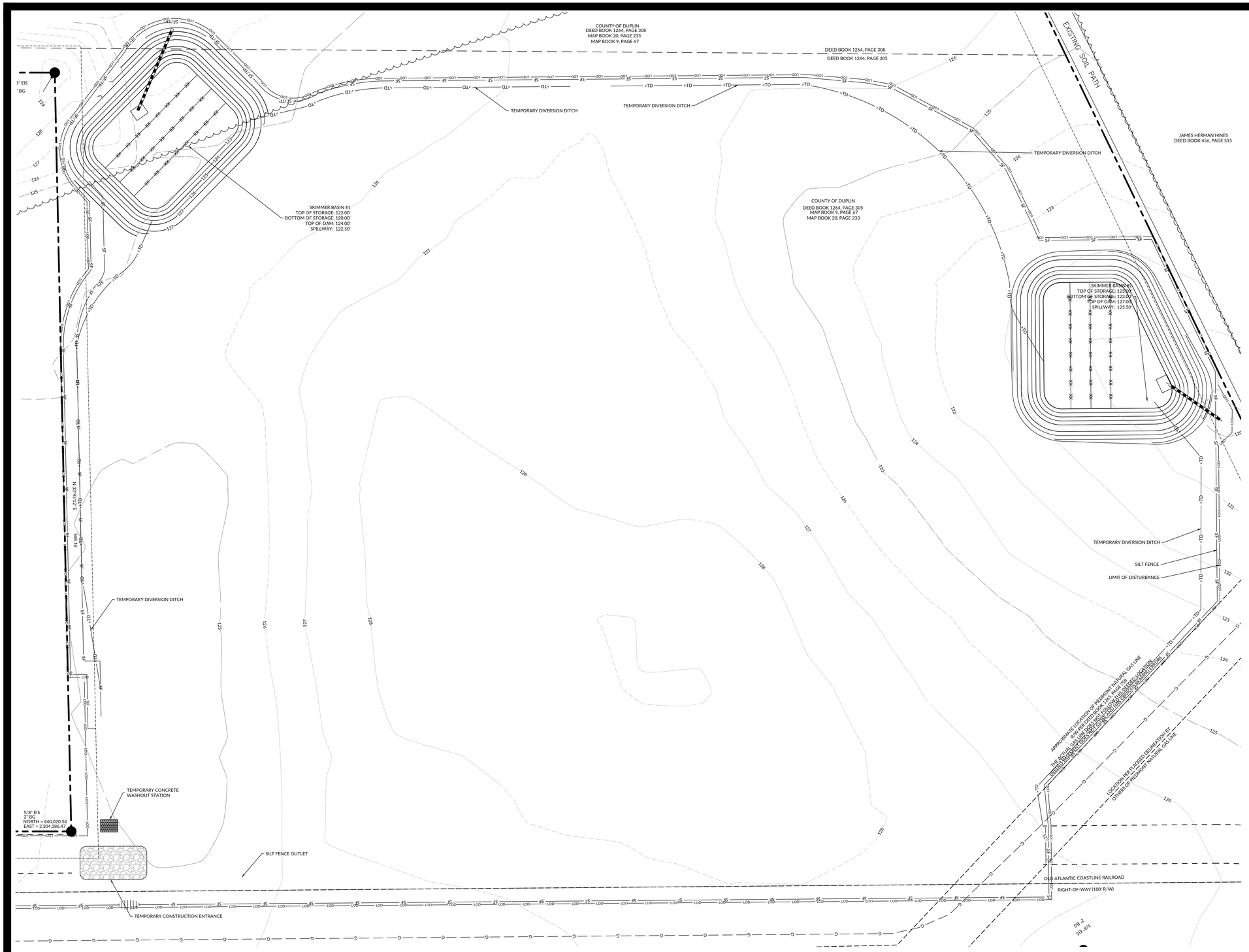
MA PROJECT NO: 822373
MA PROJECT NO: 822373.01
DATE: 09/27/2023

DATE	REVISIONS
12-12-2023	DESCRIPTION
	BID SET

STORMWATER DETAILS

C5.03


PLAYGROUND AREA
AGRICULTURE DR
FARMGROUND DR
COUNTY OF DUPLIN
DEED BOOK 1294, PAGE 308
MAP BOOK 20, PAGE 220
MAP BOOK 20, PAGE 223
COUNTY OF DUPLIN
DEED BOOK 1294, PAGE 305
MAP BOOK 20, PAGE 223
SEWER PUMP
COUNTY OF DUPLIN
MAP BOOK 20, PAGE 127
SKIMMER BASIN #1
DEED BOOK 1294, PAGE 308
COUNTY OF DUPLIN
DEED BOOK 1294, PAGE 305
MAP BOOK 20, PAGE 223
FARR SLICE, LLC
PIN: 3604195920054
DEED BOOK 1721, PAGE 870
SKIMMER BASIN #2
JAMES HERMAN HINES
DEED BOOK 456, PAGE 515
THE LORRAINE KORNEGAY
TRACT 1 (1.0 ACRE)
DEED BOOK 1507, PAGE 654
MAP BOOK 2120, PAGE 17
OLD ATLANTIC COASTLINE RAILROAD
RIGHT-OF-WAY (100' R/W)
DEED BOOK 456, PAGE 515
JAMES HERMAN HINES
DEED BOOK 1221, PAGE 186
MARGARET DIXON
HWY 24 & 50
S 65°57'57" W
256.84'
S 24°02'03" E
383.43'
N 24°02'03" W
383.43'
S 65°57'57" W
1477.94'
S 65°57'57" W
758.78'
S 65°57'57" E
1477.94'
S 53°09'15" E
308.67'
N 65°57'57" E
624.46'
S 65°57'57" E
624.46'
S 24°02'03" E
383.43'
N 24°02'03" W
383.43'
S 65°57'57" W
256.84



EROSION CONTROL NARRATIVE

- DUPLIN COUNTY DETENTION CENTER WILL BE LOCATED IN KENANSVILLE, NORTH CAROLINA. THIS PROJECT CONSISTS OF DEMOLITION, CLEARING, GRUBBING, INSTALLATION OF EROSION CONTROL DEVICES, GRADING, INSTALLATION OF STORM DRAINAGE SYSTEM, INSTALLATION OF SANITARY SEWER SERVICE, INSTALLATION OF OTHER APPLICABLE UTILITIES, AND CONSTRUCTION OF THE DETENTION CENTER.

- THE FOLLOWING SEDIMENTATION AND EROSION CONTROL DEVICES ARE PROPOSED TO BE INSTALLED ON THIS PROJECT: GRAVEL CONSTRUCTION ENTRANCE, TWO (2) SKIMMER SEDIMENT BASINS, DIVERSION BERMS/DITCHES, TREE PROTECTION, TEMPORARY SILT FENCE AND SILT FENCE OUTLETS, CLEAN WATER DIVERSION, SEEDING, MULCHING, AND VEGETATION. OTHER MEASURES MAY BE ADDED AS NEEDED. THE CONTRACTOR AND/OR INSPECTOR HAVE THE AUTHORITY TO ADD EROSION CONTROL MEASURES, IF NECESSARY, TO PREVENT SEDIMENT OR EROSION TO PROTECT ALL PUBLIC AND PRIVATE PROPERTY FROM DAMAGE.

EROSION CONTROL CONSTRUCTION SEQUENCE

1. EROSION AND SEDIMENT CONTROL (E&SC) PERMIT AND A CERTIFICATE OF COVERAGE (COC) MUST BE OBTAINED BEFORE ANY LAND DISTURBING ACTIVITIES OCCUR. A COPY OF THE E&SC PERMIT, THE COC, AND A HARD COPY OF THE PLAN MUST BE KEPT ON SITE, PREFERABLY IN A PERMITS BOX, AND ACCESSIBLE DURING INSPECTION.
2. CONTACT THE DEMLR WINSTON SALEM REGIONAL OFFICE AT LEAST 48 HOURS PRIOR TO COMMENCING THE LAND-DISTURBING ACTIVITY. THE CONTACT NUMBER IS (336) 776-9800.
3. SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE NC DEPARTMENT OF ENVIRONMENTAL QUALITY INSPECTOR.
4. INSTALL THE INITIAL PERIMETER MEASURES INCLUDING TREE PROTECTION FENCE, SILT FENCE, AND SILT FENCE OUTLETS.
5. INSTALL CONSTRUCTION ENTRANCES.
6. INSTALL SILT FENCE IN THE AREAS OF THE SKIMMER BASINS AS SHOWN. CLEAR ONLY AS NECESSARY TO INSTALL THESE DEVICES.
7. INSTALL ALL SKIMMER BASINS
8. WHEN THE SKIMMER BASINS ARE COMPLETE, INSTALL E&SC AS SHOWN ON THIS PLAN (INCLUDING DIVERSION DITCHES (WITH CHANNEL LINING IF REQ'D), CHECK DAMS, SILT FENCE, AND SILT FENCE OUTLETS). CLEAR ONLY AS NECESSARY TO INSTALL THESE DEVICES.
9. EROSION CONTROL CHANNEL LINING/MATTING TO BE INSTALLED ON TEMPORARY DIVERSIONS, AS SHOWN ON THE PLANS, WITHIN 14 DAYS OF ANY INACTIVITY.
10. SCHEDULE A SITE INSPECTION OF INSTALLED EROSION CONTROL DEVICES WITH THE NC DEPARTMENT OF ENVIRONMENTAL QUALITY INSPECTOR FOR APPROVAL.
11. BEGIN CLEARING AND GRUBBING.
12. MAINTAIN TREE PROTECTION AND SILT FENCE UNTIL FINAL INSPECTION.
13. SELF-INSPECTIONS FOR EROSION AND SEDIMENTATION CONTROL MEASURES ARE TO BE PERFORMED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF EVERY RAIN EVENT OF GREATER THAN 1 INCH. ANY NEEDED REPAIRS SHALL BE MADE IMMEDIATELY TO MAINTAIN MEASURES AS DESIGNED. ALL ESC MEASURES SHALL BE MAINTAINED AS SPECIFIED IN THE CONSTRUCTION DETAILS ON THIS PLAN. A RAIN GAUGE SHALL BE INSTALLED AT THE PROJECT SITE FOR MONITORING.
14. THE CONTRACTOR SHALL CONDUCT SELF-INSPECTIONS OF THE EROSION AND SEDIMENTATION CONTROL MEASURES AND COMPETE THE FOLLOWING COMBINED SELF-INSPECTION FORM FOUND ON THE DEMLR WEBSITE HTTPS://FILES.NC.GOV/NCDEQ/ENERGY%20MINERAL%20AND%20LAND%20RESOURCES/STORMWATER/NPDES%20GENERAL%20PERMITS/DEMLR-CSW-MONITORING-FORM-REV-APRIL-1-2019.PDF. TWELVE MONTHS OF COMPLETE INSPECTION FORMS SHALL BE KEPT ON-SITE AND AVAILABLE FOR INSPECTION AT ALL TIMES. IT IS RECOMMENDED A COPY BE KEPT IN A PERMITS BOX.
15. CLEAN SKIMMER BASINS WHEN SEDIMENT DEPOSITS REACH HALF THE HEIGHT OF THE FIRST BAFFLE.
16. ALL PUBLIC ROADWAY ADJACENT TO THE PROJECT SHALL BE KEPT CLEAN AT ALL TIMES DURING CONSTRUCTION.
17. BEGIN MASS GRADING WORK.
18. AS THE SITE IS ROUGH GRADED, REVISE DIVERSION DITCHES AS THE SITE IS BROUGHT TO FINISHED GRADE TO MAINTAIN POSITIVE FLOW TO THE SKIMMER BASINS.
19. ADJUST SKIMMER BASINS AS NECESSARY TO MAINTAIN OUTLET FLOW.
20. STABILIZE AREA AS SITE IS BROUGHT TO DESIGN GRADE WITH SEEDING AND MULCHING. ALL GRADED AND BARE AREAS MUST BE STABILIZED WITHIN 14 DAYS OF REACHING FINAL GRADE. STABILIZATION IS REQUIRED WITHIN 14 DAYS OF ANY INACTIVITY.
21. THE CONTRACTOR CAN REMOVE ALL TEMPORARY EROSION CONTROL MEASURES ONCE THE PERMANENT DRAINAGE FACILITIES HAVE BEEN COMPLETE AND A STAND OF GRASS OR OTHER GROWTH HAS BEEN ESTABLISHED. APPROVAL BY A REPRESENTATIVE OF THE LAND QUALITY SECTION WILL BE REQUIRED PRIOR TO REMOVAL OF ANY SEDIMENT BASIN.
22. AFTER THE SITE IS FULLY STABILIZED AND APPROVED BY THE INSPECTOR, SKIMMER BASINS SHALL BE DRAINED AND DECOMMISSIONED USING A SILT BAG STILLING BASIN PER DETAIL. SEE PUMP AND STILLING BASIN LOCATIONS ON THE PLANS.
23. TEMPORARY DIVERSIONS, CHECK DAMS, SILT FENCE AND SILT FENCE OUTLET MAY BE REMOVED ONCE THE SITE IS FULLY STABILIZED AND BASINS ARE DECOMMISSIONED AND REMOVED.
24. SCHEDULE A FINAL SITE INSPECTION WITH THE NC DEPARTMENT OF ENVIRONMENTAL QUALITY INSPECTOR.
25. WHEN THE PROJECT IS COMPLETE, THE PERMITTEES SHALL CONTACT DEMLR TO CLOSE OUT THE E&SC PLAN.

STOCKPILE MAINTENANCE:

1. SEEDING OR COVERING STOCKPILES WITH TARPS OR MULCH IS REQUIRED AND WILL REDUCE EROSION PROBLEMS. TARPS SHOULD BE KEYED IN AT THE TOP OF THE SLOPE TO KEEP WATER FROM RUNNING UNDERNEATH THE PLASTIC.
2. IF A STOCKPILE IS TO REMAIN FOR FUTURE USE AFTER THE PROJECT IS COMPLETE (BUILDERS, ETC.), THE FINANCIAL RESPONSIBLE PARTY MUST NOTIFY DEMLR OF A NEW RESPONSIBLE PARTY FOR THAT STOCKPILE.
3. THE APPROVED PLAN SHALL PROVIDE FOR THE USE OF STAGED SEEDING AND MULCHING ON A CONTINUAL BASIS WHILE THE STOCKPILE IS IN USE.
4. ESTABLISH AND MAINTAIN A VEGETATIVE BUFFER AT THE TOE OF THE SLOPE (WHERE PRACTICAL).

NOTES

1. ALL AREAS AND SLOPES DISTURBED DURING CONSTRUCTION AND EXPOSED SHALL BE STABILIZED WITH TEMPORARY SEEDING AND MULCHING WITHIN 14 CALENDAR DAYS. FOLLOWING COMPLETION OF ANY PHASE OF GRADING OR PERIOD OF INACTIVITY. PERMANENT GROUNDCOVER IS TO BE ESTABLISHED FOR ALL DISTURBED AREAS WITHIN 14 CALENDAR DAYS, FOLLOWING COMPLETION OF CONSTRUCTION, COMPLETION OF GRADING OR PERIOD OF INACTIVITY. PERMANENT SEEDING, MULCHING AND GROUND COVER SHALL BE APPLIED TO THE SITE FOLLOWING COMPLETION OF CONSTRUCTION.
2. HIGH QUALITY WATER(HWQ) ZONES AND PERIMETER DIKES, SWALES, DITCHES, AND SLOPES SHALL BE STABILIZED WITH TEMPORARY SEEDING AND MULCHING WITHIN 7 CALENDAR DAYS. SEE THE NPDES STABILIZATION PLAN, SHT C20.22B FOR DETAILED STABILIZATION AREAS.
3. ALL EROSION AND SEDIMENTATION CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING AT LEAST ONCE PER WEEK AND AFTER ANY STORM EVENT GREATER THAN A HALF INCH (DURING 24-HOUR PERIOD), ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED.
4. THIS PROJECT REQUIRES A PRE-CONSTRUCTION CONFERENCE PRIOR TO ISSUANCE OF A GRADING PERMIT.
5. NO FLOODPLAIN EXISTS ON-SITE.
6. WETLANDS DO EXIST ON-SITE.
7. TOTAL DISTURBED AREA IS 10.4 ACRES.NORTH SIDE OF WETLAND AND POND HAS AN UNDISTURBED VEGETATION BUFFER OF 25' (5% AVERAGE SLOPE = 25' BUFFER), AND SOUTH SIDE OF WETLAND AND POND HAS AN UNDISTURBED VEGETATION BUFFER OF 39' (19% AVERAGE SLOPE-5'+25 = 39')

TOPSOIL STOCKPILE NOTES:

1. STOCKPILE FOOTPRINTS SHALL BE SETBACK A MINIMUM OF 25' FROM ADJACENT PROPERTY LINES.
2. STOCKPILE HEIGHT SHALL NOT EXCEED 35'.
3. STOCKPILE SLOPES SHALL BE 2:1 OR FLATTER.

SEEDBED PREPARATION:

1. CHISEL COMPACTED AREAS AND SPREAD TOPSOIL THREE INCHES DEEP OVER ADVERSE SOIL CONDITIONS, IF AVAILABLE.
2. RIP THE ENTIRE AREA TO SIX INCHES DEEP.
3. REMOVE ALL LOOSE ROCK, ROOTS AND OTHER OBSTRUCTIONS, LEAVING SURFACE REASONABLY SMOOTH AND UNIFORM.
4. APPLY AGRICULTURAL LIME, FERTILIZER AND SUPERPHOSPHATE UNIFORMLY AND MIX WITH SOIL (SEE MIXTURE BELOW).
5. CONTINUE TILLAGE UNTIL A WELL-PULVERIZED, FIRM, REASONABLY UNIFORM SEEDBED IS PREPARED FOUR TO SIX INCHES DEEP.
6. SEED ON A FRESHLY PREPARED SEEDBED AND COVER SEED LIGHTLY WITH SEEDING EQUIPMENT OR CULTPACK AFTER SEEDING.
7. MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH.
8. INSPECT ALL SEEDED AREAS AND MAKE NECESSARY REPAIRS OR RESEEDINGS WITHIN THE PLANTING SEASON, IF POSSIBLE. IF STAND SHOULD BE MORE THAN 60% DAMAGED, RE-ESTABLISH FOLLOWING THE ORIGINAL LIME, FERTILIZER AND SEEDING RATES.
9. CONSULT S&EC ENVIRONMENTAL ENGINEERS ON MAINTENANCE TREATMENT AND FERTILIZATION AFTER PERMANENT COVER IS ESTABLISHED.

EROSION CONTROL LEGEND

SYMBOL	DESCRIPTION
LOD	LIMITS OF DISTURBANCE
	CONSTRUCTION STAGE LINE
SF	SILT FENCE
SF/TP	SILT/ TREE PROTECTION FENCE
>TD	TEMPORARY DIVERSION DITCH
TP	TREE PROTECTION FENCE
	TEMPORARY CONSTRUCTION ENTRANCE
	SILT FENCE OUTLET
	TEMPORARY CONCRETE WASHOUT
	INLET PROTECTION

FOR SHOULDERS, SIDE DITCHES, SLOPES (3:1 TO 2:1):

DATE	TYPE	PLANTING RATE
MAR 1 – JUN 1	SERICEA LESPEDEZA (SCARIFIED) AND USE THE FOLLOWING COMBINATIONS:	50 LBS/ACRE (SERICEA LESPEDEZA);
MAR 1 – APR 15	ADD TALL FESCUE	120 LBS/ACRE
MAR 1 – JUN 30	OR ADD WEEPING LOVE GRASS	10 LBS/ACRE
JUN 1 – SEPT 1	TALL FESCUE AND BROWNTOP MULLET OR SORGHUM–SUDAN HYBRIDS***	120 LBS/ACRE (TALL FESCUE); 35 LBS/ACRE (BROWNTOP MULLET); 30 LBS/ACRE (SORGHUM–SUDAN HYBRIDS)
SEPT 1 – MAR 1	SERICEA LESPEDEZA (UNHULLED / UNSCARIFIED) AND TALL FESCUE	70 LBS/ACRE (SERICEA LESPEDEZA); 120 LBS/ACRE (TALL FESCUE)
NOV 1 – MAR 1	AND ABRUZZI RYE	25 LBS/ACRE

MIXTURE	
AGRICULTURAL LIMESTONE	2 TONS/ACRE (3 TONS/ACRE IN CLAY SOILS)
FERTILIZER	1,000 LBS/ACRE – 10–10–10
SUPERPHOSPHATE	500 LBS/ACRE – 20% ANALYSIS
MULCH	2 TONS/ACRE – SMALL GRAIN STRAW
ANCHOR	ASPHALT EMULSION AT 300 GALS/ACRE

FOR SHOULDERS, SIDE DITCHES, SLOPES (MAX 3:1):

DATE	TYPE	PLANTING RATE
AUG 15 – NOV 1	TALL FESCUE	300 LBS/ACRE
NOV 1 – MAR 1	TALL FESCUE & ABRUZZI RYE	300 LBS/ACRE
MAR 1 – APR 15	TALL FESCUE	300 LBS/ACRE
APR 15 – JUN 30	HULLED COMMON	25 LBS/ACRE
JUL 1 – AUG 15	TALL FESCUE AND BROWNTOP MILLET OR SORGHUM–SUDAN HYBRIDS***	125 LBS/ACRE (TALL FESCUE); 35 LBS/ACRE (BROWNTOP MILLET); 30 LBS/ACRE (SORGHUM–SUDAN HYBRIDS)

GROUND STABILIZATION		
SITE AREA	STABILIZATION	STABILIZATION TIME
DESCRIPTION	TIME FRAME	FRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED
SLOPES FLATTER THAN 3:1	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50 FEET IN LENGTH
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE (EXCEPT FOR PERIMETERS AND HQW ZONES)
Extensions of time may be approved by the permitting authority based on weather or other site-specific conditions that make compliance impracticable. (Section 11.B(2)(b))		

GRAPHIC SCALE
30 0 15 30 60
1 inch = 30 ft.

WithersRavenel
Engineers | Planners | Surveyors
115 MacKenan Drive | Cary, NC 27511 | t: 919.469.3340 | license # P-1479 | www.withersravenel.com

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

Preliminary Not for Construction
David D. Barbone
Date: 8/25/2023
PRELIMINARY
NOT APPROVED FOR CONSTRUCTION
(07/08/25)
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 047442 DAVID D. BARBONE

DUPLIN COUNTY DETENTION CENTER
SITE AND CONSTRUCTION DRAWINGS
DUDHSR# J-378
DUPLIN COUNTY NC
KENANSVILLE, NORTH CAROLINA

MA PROJECT NO: 621373
WR PROJECT NO: 02220710
DATE: 08/25/2023

REVISIONS

DATE	DESCRIPTION
12-12-2023	BID SET

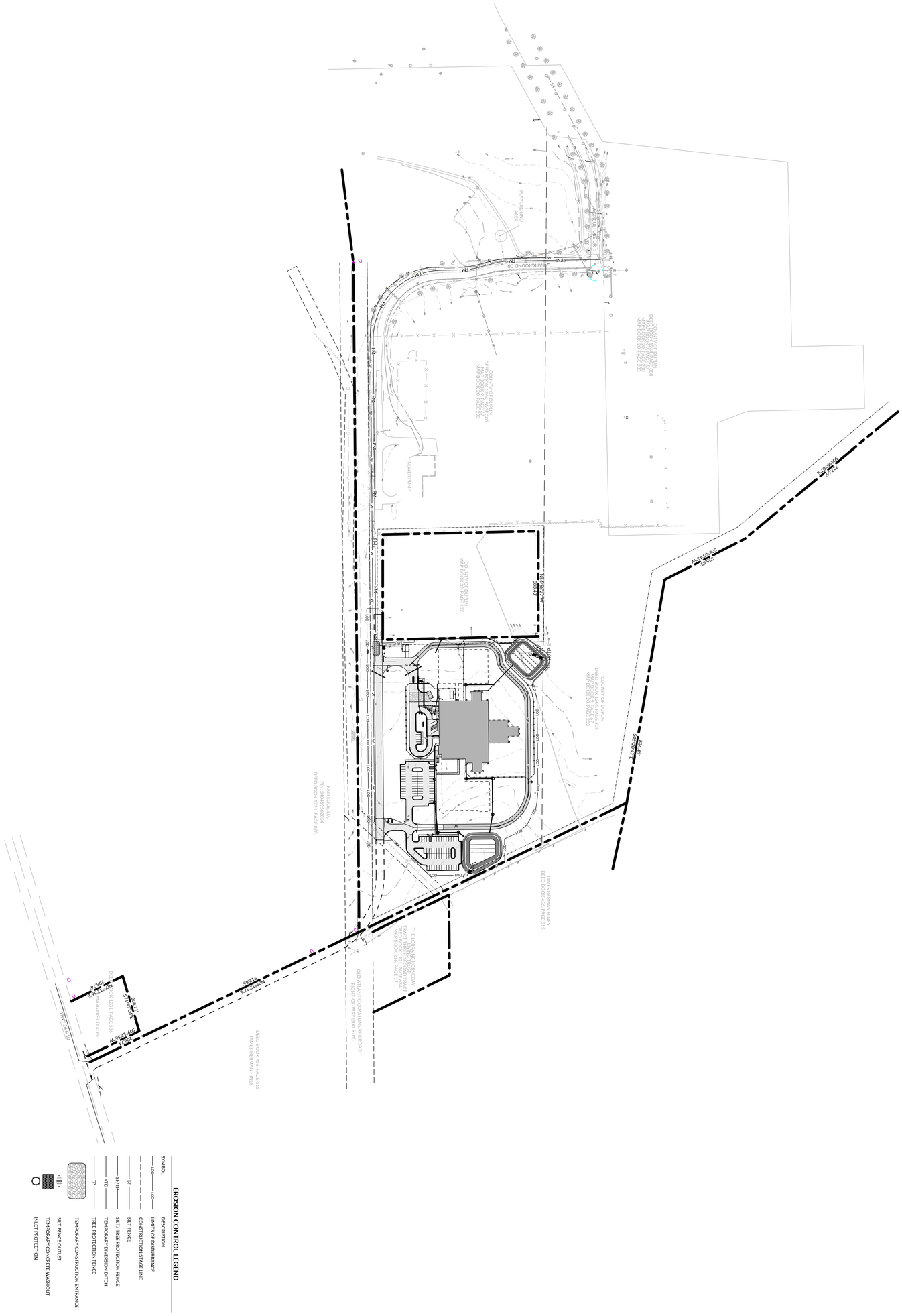
EROSION CONTROL PLAN (STAGE 1)

C6.01

811 Know what's below. Call before you dig.

K:\02\22\07\02220710-duplin co detention ctr le\complete\CAD\drawing sets\design development plans\ECs.XX EROSION - STAGE 1.dwg, 12/12/2023 - RICK STATE

k:\22-22-0710\220710-duplin co detention ctr le complex\CAD\drawing sets\design development plans\C6.00-OVERALL EROSION - STAGE 2.dwg- 12/12/2023 - ROE, STEVE



WithersRavenel
Engineers | Planners | Surveyors
115 MacKenan Drive | Cary, NC 27511 | t: 919.469.3340 | license #: F-1479 | www.withersravenel.com

MA PROJECT NO: 621373
WR PROJECT NO: 02220710
DATE: 08/25/2023
REVISIONS
DATE: 12-12-2023
DESCRIPTION: BID SET

DUPLIN COUNTY DETENTION CENTER
SITE AND CONSTRUCTION DRAWINGS
DUDHSR# J-378
DUPLIN COUNTY NC
KENANSVILLE, NORTH CAROLINA

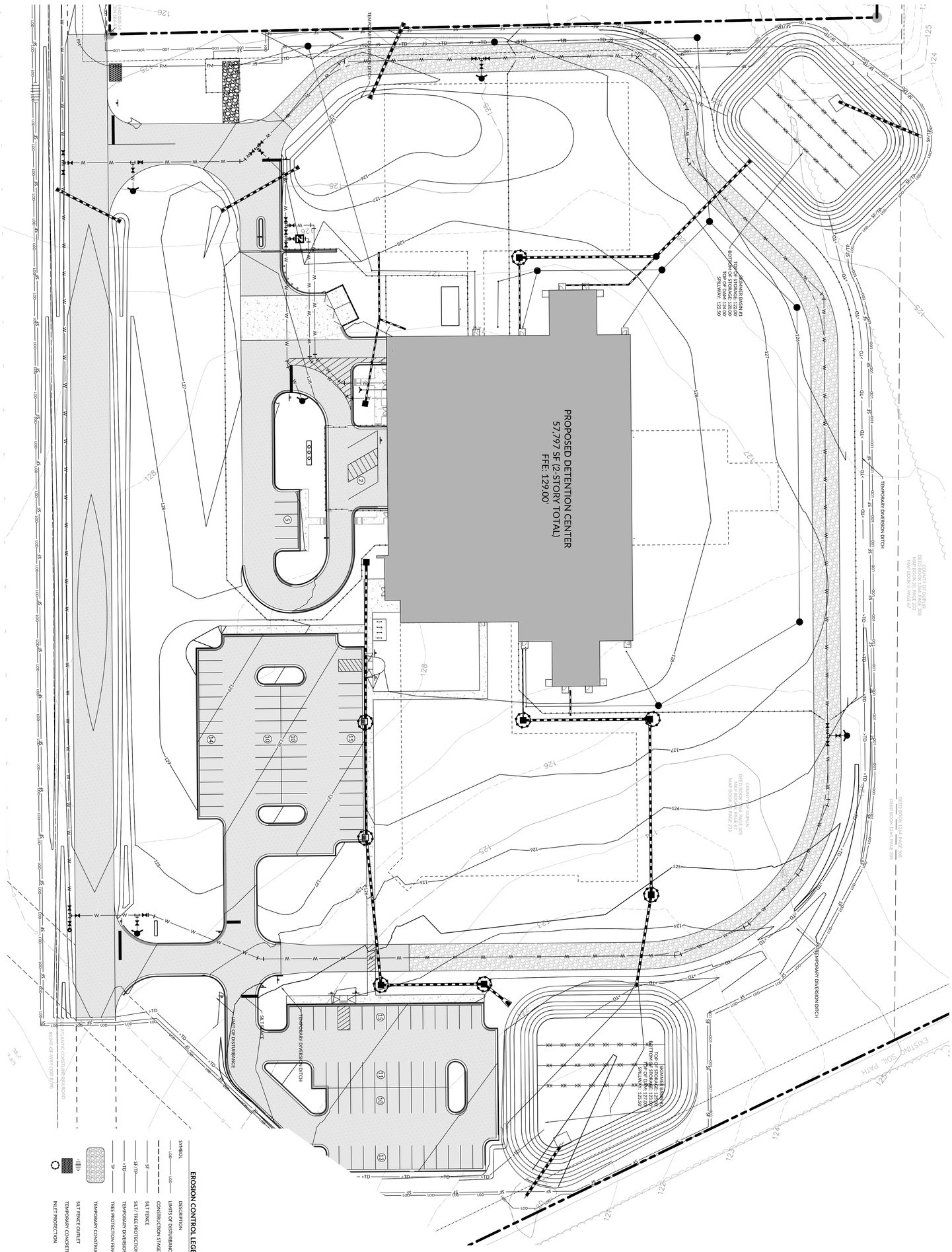
David D. Bartone
DESIGNED BY: DATE: 12/12/2023
PRELIMINARY
NOT APPROVED FOR CONSTRUCTION
DATE: 12/12/2023
ENGINEER
DAVE D. BARTONE

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

OVERALL EROSION CONTROL PLAN (STAGE 2)

C6.02

k:\22-22-0710\220710-duplin co detention ctr le complex\CAD\drawing sets\design development plans\C6.XX-EROSION - STAGE 2.dwg- 12/12/2023 - ROE, STEVE



WithersRavenel
Engineers | Planners | Surveyors
115 MacKenan Drive | Cary, NC 27511 | t: 919.469.3340 | license #: F-1479 | www.withersravenel.com

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

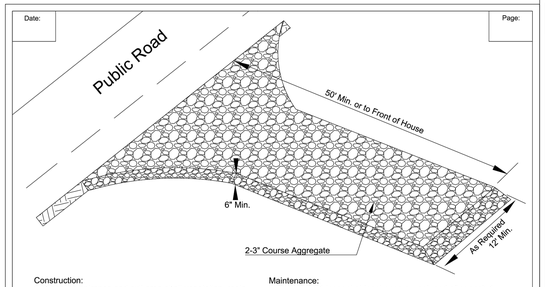
PRELIMINARY
NOT APPROVED FOR CONSTRUCTION
ENGINEER
DAVID D. BARTONE

DUPLIN COUNTY DETENTION CENTER
SITE AND CONSTRUCTION DRAWINGS
DUDHSR# J-378
DUPLIN COUNTY NC
KENANSVILLE, NORTH CAROLINA

MA PROJECT NO: 621373	
WR PROJECT NO: 022207.10	
DATE: 08/25/2023	
REVISIONS	
DATE	DESCRIPTION
12-12-2023	BID SET

EROSION CONTROL PLAN (STAGE 2)

C6.03

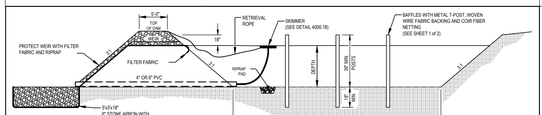


Construction:
1. Clear the entrance and exit area of all vegetation, roots, and other objectionable material and properly grade it.
2. Place the gravel to the specific grade and dimensions shown on the plans, and smooth it.
3. Provide drainage to carry water to a sediment trap or other suitable outlet.
4. Use geotextile fabrics in order to improve stability of the foundation in locations subject to seepage or high water table.

Maintenance:
1. Per NCG-01 inspect at least once a week and after each 1 inch or greater rainfall; make any required repairs immediately.
2. Maintain the gravel pad in a condition to prevent mud or sediment from leaving the construction site. This may require periodic topdressing with 2 inch stone.
3. Immediately remove all objectionable materials spilled, washed or tracked onto public roadways.

NORTH CAROLINA Environmental Quality
EFFECTIVE DATE: 11/1/2020

CONSTRUCTION ENTRANCE / EXIT



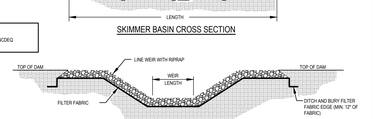
NOTES:
1. USE FOR DRAINAGE AREAS NOT EXCEEDING FIVE ACRES.
2. EARTH BERM SHALL BE STABILIZED W/SEEDING ACCORDING TO NCDEQ SPECIFICATIONS.

SKIMMER BASIN CROSS SECTION

DESIGN OF SPILLWAYS

DRAINAGE AREA (ACRES)	WEIR LENGTH [1] (FT)
1	4.0
2	6.0
3	8.0
4	10.0
5	12.0

1. DIMENSIONS SHOWN ARE MINIMUM



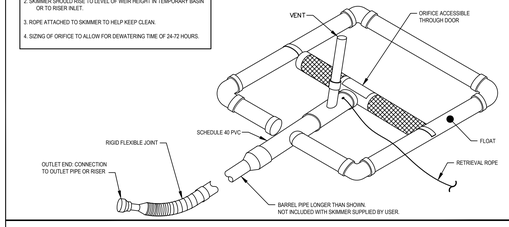
WEIR CROSS SECTION

MAINTENANCE
- INSPECT TEMPORARY SKIMMER BASIN AND EMPTY SKIMMER OF ALL DEBRIS AFTER EACH PERIOD OF SIGNIFICANT RAINFALL. REMOVE SEDIMENT AND RESTORE BASIN TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE BASIN. PLACE THE SEDIMENT THAT IS REMOVED IN A DESIGNATED DISPOSAL AREA. REPAIR BAFFLES.
- CHECK THE STRUCTURE FOR DAMAGE FROM EROSION OR PIPING. PERIODICALLY CHECK THE DEPTH OF THE SPILLWAY TO ENSURE IT IS A MINIMUM OF 1.5 FEET BELOW THE LOW POINT OF THE EMBANKMENT. IMMEDIATELY FILL ANY SETTLEMENT OF THE EMBANKMENT TO SLIGHTLY ABOVE DESIGN GRADE. ANY RIPRAP DISPLACED FROM THE SPILLWAY MUST BE REPLACED IMMEDIATELY.
- STABILIZE THE EMBANKMENT AND ALL DISTURBED AREAS ABOVE THE SEDIMENT POOL AND DOWNSTREAM FROM THE BASIN IMMEDIATELY AFTER CONSTRUCTION WITH SEEDING AND MATTING, AS NEEDED.

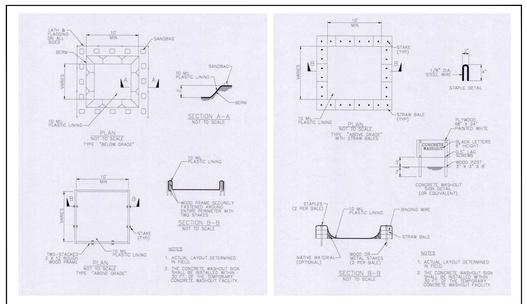
STANDARD TEMPORARY SKIMMER BASIN

SHEET 2 OF 2

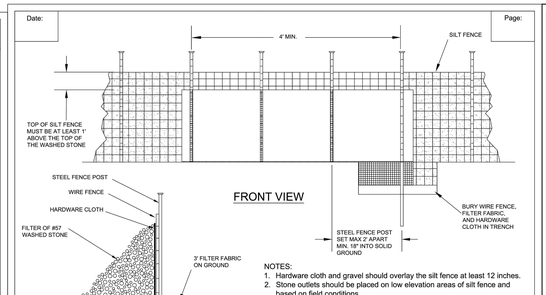
NOTES:
1. SKIMMER IS TO BE A SURFACE DEWATERING DEVICE SUCH AS BMP SKIMMER OR APPROVED DEVICE.
2. SKIMMER SHOULD RISE TO LEVEL OF WEIR HEIGHT IN TEMPORARY BASIN OR TO RISER INLET.
3. ROPE ATTACHED TO SKIMMER TO HELP KEEP CLEAN.
4. SIZING OF ORIFICE TO ALLOW FOR DEWATERING TIME OF 24-72 HOURS.



STANDARD SKIMMER DETAIL



CONCRETE WASHOUT DETAIL

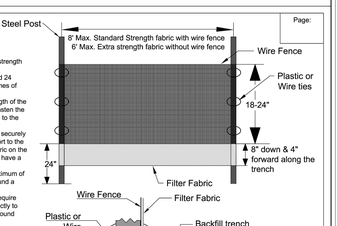


NOTES:
1. Hardware cloth and gravel should overlay the silt fence at least 12 inches.
2. Stone outlets should be placed on low elevation areas of silt fence and based on field conditions.

MAINTENANCE:
1. Per NCG-01, inspect outlet at lest once a week and after each 1 inch or greater rainfall event. Complete any required repairs immediately. Freshen stone when sediment accumulation exceeds 6 inches. Keep mesh free of debris to provide adequate flow.
2. Remove sediment when half of stone outlet is covered.
3. Replace stone as needed to facilitate de-watering.

NORTH CAROLINA Environmental Quality
EFFECTIVE DATE: 11/1/2020

SILT FENCE OUTLET

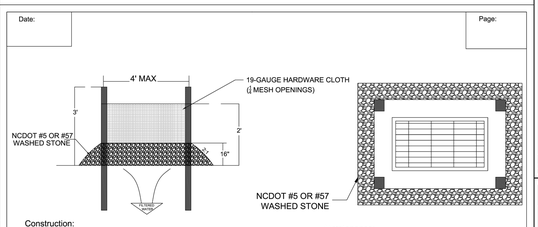


Construction:
1. Construct the sediment barrier of standard strength or extra strength synthetic filter fabrics.
2. Ensure that the height of the sediment fence does not exceed 24 inches above the ground. (Higher fences may impound volumes of water sufficient to cause failure of the structure.)
3. Construct the filter fabric from a continuous roll cut to the length of the barrier to avoid joints. When joints are necessary, securely fasten the filter cloth only at a support post with 4 feet minimum overlap to the next post.
4. Support standard strength filter fabric by wire mesh fastened securely to the upslope side of the posts. Extend the wire mesh support to the bottom of the trench. Fasten the wire reinforcement, then fabric on the upslope side of the fence post. Wire or plastic zip ties should have a minimum 50 pound tensile strength.
5. When a wire mesh support fence is used, space posts a maximum of 8 feet apart. Supports should be driven securely into the ground a minimum of 24 inches.
6. Extra strength filter fabric with 6 feet post spacing does not require wire mesh support fence. Securely fasten the filter fabric directly to posts. Wire or plastic zip ties should have a minimum of 50 pound tensile strength.
7. Excavate the trench approximately 4 inches wide and 8 inches deep along the proposed line of the posts and upslope from the barrier.
8. Place 12 inches of fabric along the bottom and side of the trench.
9. Backfill the trench with soil placed over the filter fabric and compact. Thorough compaction of the backfill is critical to silt fence performance.
10. Do not attach filter fabric to existing trees.

Maintenance:
1. Inspect sediment fences at least once a week and after each 1 inch rainfall. Make any required repairs immediately.
2. Should the fabric of a sediment fence collapse, tear, decompose, or become ineffective, replace it promptly.
3. Remove sediment deposits as necessary to provide adequate storage volume for the next rain and reduce pressure on the fence. Take care to avoid undermining the fence during cleanout.
4. Remove all fencing materials and unstable sediment deposits and bring the area to grade and stabilize it after the contributing drainage area has been properly stabilized.

NORTH CAROLINA Environmental Quality
EFFECTIVE DATE: 11/1/2020

SILT FENCE

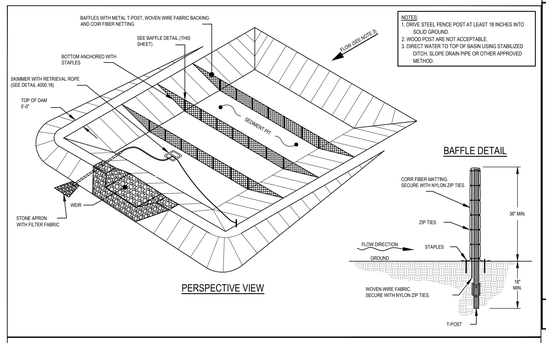


Construction:
1. Uniformly grade a shallow depression approaching the inlet.
2. Drive 5-foot steel posts 2 feet into the ground surrounding the inlet. Space posts evenly around the perimeter of the inlet, a maximum of 4 feet apart.
3. Surround the posts with wire mesh hardware cloth. Secure the wire mesh to the steel posts at the top, middle, and bottom. Placing a 2-foot flap of the wire mesh under the gravel for anchoring is recommended.
4. Place clean gravel (NC DOT #5 or #57 stone) on a 2:1 slope with a height of 16 inches 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 with groundcover.

Maintenance:
1. Inspect sediment fences at least once a week and after each 1 inch or greater rainfall. Make any required repairs immediately.
2. 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 mesh during sediment removal.
3. Replace stone as needed.

NORTH CAROLINA Environmental Quality
EFFECTIVE DATE: 11/1/2020

INLET PROTECTION



NOTES:
1. DRIVE STEEL FENCE POST AT LEAST 18 INCHES INTO SOLID GROUND.
2. WOOD POST ARE NOT ACCEPTABLE.
3. DIRECT WATER TO TOP OF BASIN USING STABILIZED DITCH, SLOPE DRAIN PIPE OR OTHER APPROVED METHOD.

STANDARD TEMPORARY SKIMMER BASIN

SHEET 1 OF 2

TEMPORARY SEEDING RECOMMENDATIONS FOR LATE WINTER AND EARLY SPRING

Seeding Mixture

Species	Rate (lb/acre)
Rye (grain)	120
Annual lespedeza (Kobe in Piedmont and Coastal Plain, Korean in Mountains)	50

Omit annual lespedeza when duration of temporary cover is not to extend beyond June.

Seeding Dates
Mountains—Above 2500 feet: Feb. 15 - May 15
Below 2500 feet: Feb. 1- May 1
Piedmont—Jan. 1 - May 1
Coastal Plain—Dec. 1 - Apr. 15

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 SUMMER

Seeding Mixture

Species	Rate (lb/acre)
German millet	40

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

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 FALL

Seeding Mixture

Species	Rate (lb/acre)
Rye (grain)	120

Seeding Dates
Mountains—Aug. 15 - Dec. 15
Coastal Plain and Piedmont—Aug. 15 - Dec. 31

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 damaged areas immediately. Topdress 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.

SEED BED PREPARATION:
LIMING- Apply lime according to soil test recommendations. If the pH (acidity) of the soil is not known, an application of ground agricultural limestone at the rate of 1-1 ½ tons/acre on coarse-textured soils and 2-3 tons/acre on fine-textured soils is usually sufficient. Apply limestone uniformly and incorporate into the top 4-6 inches of soil. Soils with a pH of 6 or higher need not be limed.
FERTILIZER- Base application rates on soil tests. When these are not possible, apply a 10-10-10 grade fertilizer at 700-1,000 lb/acre. Both fertilizer and lime should be incorporated into the top 4-6 inches of soil. If a hydraulic seeder is used, do not mix seed and fertilizer more than 30 minutes before application.
SURFACE ROUGHENING- If recent tillage operations have resulted in a loose surface additional roughening may not be required, except to break up large clods. If rainfall causes the surface to become sealed or crusted, loosen it just prior to seeding by raking, harrowing, or other suitable methods for fine grading. The finished grade shall be a smooth even soil surface with a loosen uniformly fine texture. All ridges and depressions shall be removed and filled to provide the approved surface drainage. Planting is to be done immediately after finished grades are obtained and seedbed preparation is completed.

NORTH CAROLINA Environmental Quality
EFFECTIVE DATE: 11/1/2020

TEMPORARY SEEDING RECOMMENDATIONS

NON-INVASIVE PERMANENT SEEDING RECOMMENDATIONS FOR LATE WINTER AND EARLY SPRING

SEEDING MIXTURE

Species	Rate
Centipede	5 lbs/acre
Indian Woodoats	1.5-2.5 lbs/acre*
Virginia Wild Rye	4-6 lbs/acre*

*Depending upon mix with other species. See table 6.11.d from Chapter 6 of the NC Erosion and Sediment Control Planning and Design Manual.

Seeding Dates
Coastal or Eastern Piedmont for Centipede- Sept. 1 - May 1
Coastal and Piedmont for Indian Woodoats and Virginia Wild Rye- Feb 15 - April 1
Mountains for Indian Woodoats and Virginia Wild Rye- March 1 - May 15

Maintenance:
Significant maintenance may be required to obtain desired cover once centipede is planted. Acceptable for sodding.

NON-INVASIVE PERMANENT SEEDING RECOMMENDATIONS FOR SUMMER

SEEDING MIXTURE

Species	Rate
Indian Woodoats	1.5-2.5 lbs/acre*
Virginia Wild Rye	4-6 lbs/acre*

*Depending upon mix with other species. See table 6.11.d from Chapter 6 of the NC Erosion and Sediment Control Planning and Design Manual.

Seeding Dates
Mountains - July 15- Aug 15
Piedmont - Aug 15 - Oct 15

Maintenance:
Indian Woodoats and Virginia Wild Rye are both sun and shade tolerant.

NON-INVASIVE PERMANENT SEEDING RECOMMENDATIONS FOR FALL

SEEDING MIXTURE

Species	Rate
Hard Fescue	15 lbs/acre
Switchgrass	2.5-3.5 lbs/acre*
Indian Grass	5-7 lbs/acre*
Big Bluestem	5-7 lbs/acre*
Indian Woodoats	1.5-2.5 lbs/acre*
Virginia Wild Rye	4-6 lbs/acre*

*Depending upon mix with other species. See table 6.11.d from Chapter 6 of the NC Erosion and Sediment Control Planning and Design Manual.

Seeding Dates
Mountains - Hard Fescue- Aug 1 - June 1
Mountains- Switchgrass, Indian Grass, Big Bluestem- Dec 1 - April 15
Piedmont and Coastal- Switchgrass, Indian Grass, Big Bluestem- Dec 1 - April 1
Coastal- Indian Woodoats and Virginia Wild Rye- Sept 1 - Nov 1

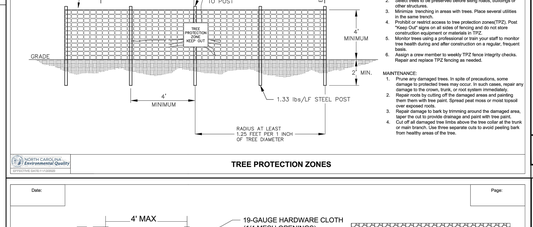
Maintenance:
Hard Fescue is not recommended for slopes > 5%. Prefers shade.

SEED BED PREPARATION:
LIMING- Apply lime according to soil test recommendations. If the pH (acidity) of the soil is not known, an application of ground agricultural limestone at the rate of 1 to 1 ½ tons/acre on coarse-textured soils and 2-3 tons/acre on fine-textured soils is usually sufficient. Apply limestone uniformly and incorporate into the top 4-6 inches of soil. Soils with a pH of 6 or higher need not be limed.
FERTILIZER- Base application rates on soil tests. When these are not possible, apply a 10-10-10 grade fertilizer at 700-1,000 lb/acre. Both fertilizer and lime should be incorporated into the top 4-6 inches of soil. If a hydraulic seeder is used, do not mix seed and fertilizer more than 30 minutes before application.
SURFACE ROUGHENING- If recent tillage operations have resulted in a loose surface additional roughening may not be required, except to break up large clods. If rainfall causes the surface to become sealed or crusted, loosen it just prior to seeding by raking, harrowing, or other suitable methods for fine grading. The finished grade shall be a smooth even soil surface with a loosen uniformly fine texture. All ridges and depressions shall be removed and filled to provide the approved surface drainage. Planting is to be done immediately after finished grades are obtained and seedbed preparation is completed.

NOTES:
1. Permanent seeding, sodding or other means of stabilization are required when all construction work is completed according to the NPDES timeframe's table.
2. A North Carolina Department of Agriculture soils test (or equal) is highly recommended to be obtained for all areas to be seeded, sprigged, sodded or planted.
3. Use a seeding mix that will produce fast growing nurse crops and includes non-invasive species that will eventually provide a permanent groundcover. Soil blankets may be used in lieu of nurse crops. Mat, tack or crimp mulch, as needed to stabilize seeded areas until root establishment. Mulch must be applied uniformly over the soil with a cover density of at least 80%.
4. Ground cover shall be maintained until permanent vegetation is established and stable against accelerated erosion.

NORTH CAROLINA Environmental Quality
EFFECTIVE DATE: 11/1/2020

PERMANENT SEEDING RECOMMENDATIONS



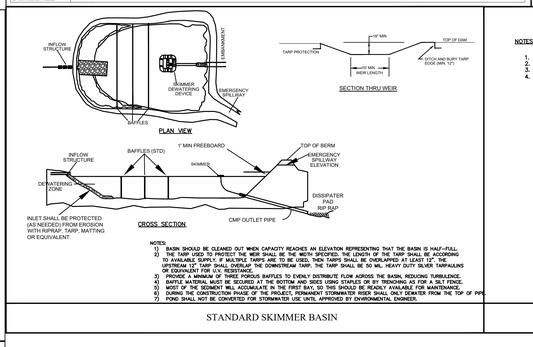
MATURE TREE PROTECTION ZONE RADIUS

TRUNK DIAMETER	GOOD PROTECTION	BETTER PROTECTION	BEST PROTECTION
8 INCHES	10 FEET	12 FEET	20 FEET
12 INCHES	15 FEET	18 FEET	30 FEET
16 INCHES	20 FEET	24 FEET	40 FEET
20 INCHES	25 FEET	30 FEET	50 FEET

NOTES:
1. Leave critical areas (such as flood plains, steep slopes and wetlands) with desirable trees in their natural condition or only partially cleared.
2. Select trees to be preserved before siting roads, buildings or other structures.
3. Minimize trenching in areas with trees. Place several utilities in the same trench.
4. Prohibit or restrict access to tree protection zones(TPZ). Post "Keep Out" signs on all sides of fencing and do not store construction equipment or materials in TPZ.
5. Monitor trees using a professional or train your staff to monitor tree health during and after construction on a regular, frequent basis.
6. Assign a crew member to weekly TPZ fence integrity checks. Repair and replace TPZ fencing as needed.

MAINTENANCE:
1. Prune any damaged trees. In spite of precautions, some damage to protected trees may occur. In such cases, repair any damage to trees as soon as it is noticed by a professional.
2. Repair roots by cutting off the damaged areas and painting them them with tree paint. Spread peat moss or moist topsoil over exposed roots.
3. Repair damage to bark by trimming around the damaged area, so that the wound has straight edges. Paint with tree paint.
4. Cut off all damaged tree limbs above the tree collar at the trunk or main branch. Use trees separate cuts to avoid peeling bark from healthy areas of the tree.

TREE PROTECTION ZONES



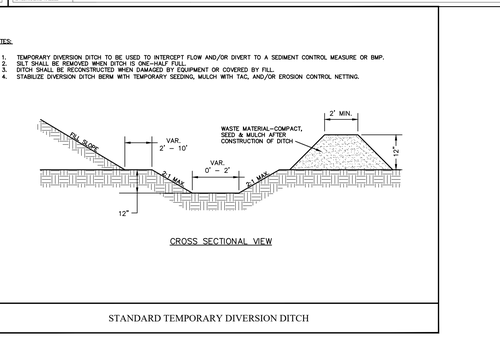
Construction:
1. Uniformly grade a shallow depression approaching the inlet.
2. Drive 5-foot steel posts 2 feet into the ground surrounding the inlet. Space posts evenly around the perimeter of the inlet, a maximum of 4 feet apart.
3. Surround the posts with wire mesh hardware cloth. Secure the wire mesh to the steel posts at the top, middle, and bottom. Placing a 2-foot flap of the wire mesh under the gravel for anchoring is recommended.
4. Place clean gravel (NC DOT #5 or #57 stone) on a 2:1 slope with a height of 16 inches 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 with groundcover.

Maintenance:
1. Inspect inlet protections at least once a week and after each 1 inch or greater rainfall. Make any required repairs immediately.
2. 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 mesh during sediment removal.
3. Replace stone as needed.

INLET PROTECTION

NOTES:
1) BASIN SHOULD BE CLEANED OUT WHEN CAPACITY REACHES AN ELEVATION REPRESENTING THAT THE BASIN IS HALF-FULL.
2) THE TARP USED TO PROTECT THE WEIR SHALL BE THE WIDTH SPECIFIED. THE LENGTH OF THE TARP SHALL BE ACCORDING TO AVAILABLE SUPPLY. IF MULTIPLE TARPS ARE TO BE USED, THEN TARPS SHALL BE OVERLAPPED AT LEAST 12". THE UPSLOPE TARP SHALL BE PLACED OVER THE DOWNSTREAM TARP. THE TARP SHALL BE 30 MIL, HEAVY DUTY SILVER TARPAULINS OR EQUIVALENT FOR U.V. RESISTANCE.
3) PROVIDE A MINIMUM OF THREE POROUS BAFFLES TO EVENLY DISTRIBUTE FLOW ACROSS THE BASIN, REDUCING TURBULENCE.
4) BAFFLE MATERIAL MUST BE SECURED AT THE BOTTOM AND SIDES USING STAPLES OR BY TRENCHING AS FOR A SILT FENCE.
5) MOST OF THE SEDIMENT WILL ACCUMULATE IN THE FIRST BAY, SO THIS SHOULD BE READILY AVAILABLE FOR MAINTENANCE.
6) DURING THE CONSTRUCTION PHASE OF THE PROJECT, PERMANENT STORMWATER SIDES SHALL ONLY DEWATER FROM THE TOP OF RISER.
7) POND SHALL NOT BE CONVERTED FOR STORMWATER USE UNTIL APPROVED BY ENVIRONMENTAL ENGINEER.

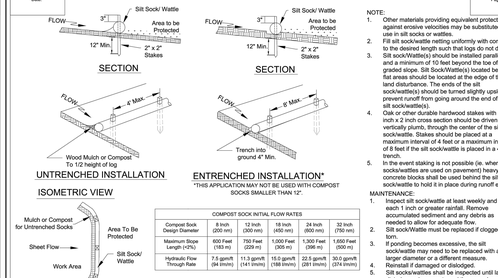
STANDARD SKIMMER BASIN



STANDARD TEMPORARY DIVERSION DITCH

NOTES:
1. L = THE LENGTH OF THE RIPRAP APRON.
2. d = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6" (INCHES).
3. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND SOIL FOUNDATION.

STANDARD PIPE OUTLET TO FLAT AREA NO WELL-DEFINED CHANNEL



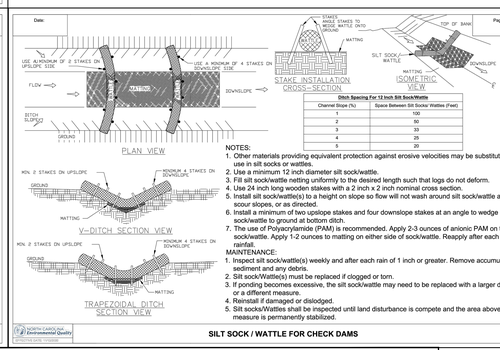
COMPOST SOCK INITIAL FLOW RATES					
Compost Sock Design Diameter	8 Inch (200 mm)	12 Inch (300 mm)	18 Inch (450 mm)	24 Inch (600 mm)	32 Inch (750 mm)
Maximum Slope Length (<5%)	600 Feet (183 m)	750 Feet (229 m)	1,000 Feet (305 m)	1,300 Feet (396 m)	1,650 Feet (500 m)
Hydraulic Flow Through Rate	7.5 gpm/ft (94 l/m/m)	11.3 gpm/ft (141 l/m/m)	15.0 gpm/ft (188 l/m/m)	22.5 gpm/ft (281 l/m/m)	30.0 gpm/ft (374 l/m/m)

NOTE:
1. Other materials providing equivalent protection against erosive velocities may be substituted for use in silt socks or wattles.
2. Fill silt socks/wattle netting uniformly with compost to the desired length such that logs do not deform.
3. Silt sock/Wattle(s) should be installed parallel to and a minimum of 10 feet beyond the toe of a graded slope. Silt Sock/Wattle(s) located below flat areas should be located at the edge of the land disturbance. The ends of the silt sock/wattle(s) should be turned slightly upslope to prevent runoff from going around the end of the silt sock/wattle(s).
4. Oak or other durable hardwood stakes with a 2 inch x 2 inch cross section should be driven vertically plumb, through the center of the silt sock/wattle. Stakes should be placed at a maximum interval of 4 feet or a maximum interval of 8 feet if the silt sock/wattle is placed in a 4 inch trench.
5. In the event staking is not possible (ie. when socks/wattles are used on pavement) heavy concrete blocks shall be used behind the silt sock/wattle to hold it in place during runoff events.

MAINTENANCE:
1. Inspect silt sock/wattle at least weekly and after each 1 inch or greater rainfall. Remove accumulated sediment and any debris as needed to allow for adequate flow.
2. Silt sock/Wattle must be replaced if clogged or torn.
3. If ponding becomes excessive, the silt sock/wattle may need to be replaced with a larger diameter or a different measure.
4. Reinstall if damaged or dislodged.
5. Silt socks/wattles shall be inspected until land disturbance is compete and the area above the measure has been permanently stabilized.

NORTH CAROLINA Environmental Quality
EFFECTIVE DATE: 11/1/2020

SILT SOCK FOR PERIMETER AND INLET PROTECTION



Ditch Spacing For 12 Inch Silt Sock/Wattle	
Channel Slope (%)	Space Between Silt Socks/ Wattles (Feet)
1	100
2	50
3	33
4	25
5	20

NOTES:
1. Other materials providing equivalent protection against erosive velocities may be substituted for use in silt socks or wattles.
2. Use a minimum 12 inch diameter silt sock/wattle.
3. Fill silt sock/wattle netting uniformly to the desired length such that logs do not deform.
4. Use 24 inch long wooden stakes with a 2 inch x 2 inch nominal cross section.
5. Install silt sock/wattle(s) to a height on slope so flow will not wash around silt sock/wattle and scour slopes, or as directed.
6. Install a minimum of two upslope stakes and four downslope stakes at an angle to wedge silt sock/wattle to ground at bottom ditch.
7. The use of Polyacrylamide (PAM) is recommended. Apply 2-3 ounces of anionic PAM on top of sock/wattle. Apply 1-2 ounces to matting on either side of sock/wattle. Reapply after each 1.0 inch rainfall.

MAINTENANCE:
1. Inspect silt sock/wattle(s) weekly and after each rain of 1 inch or greater. Remove accumulated sediment and any debris.
2. Silt sock/Wattle(s) must be replaced if clogged or torn.
3. If ponding becomes excessive, the silt sock/wattle may need to be replaced with a larger diameter or a different measure.
4. Reinstall if damaged or dislodged.
5. Silt socks/Wattles shall be inspected until land disturbance is compete and the area above the measure is permanently stabilized.

NORTH CAROLINA Environmental Quality
EFFECTIVE DATE: 11/1/2020

SILT SOCK / WATTLE FOR CHECK DAMS

WithersRavenel
Engineers | Planners | Surveyors
115 MacKenan Drive | Cary, NC 27511 | t: 919-469-3340 | license # P-1479 | www.withersravenel.com

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 940-3755 FAX (704) 940-3754
MOSELEYARCHITECTS.COM

DUPLIN COUNTY DETENTION CENTER

SITE AND CONSTRUCTION DRAWINGS

DUDHSR# J-378
DUPLIN COUNTY NC
KENANSVILLE, NORTH CAROLINA

David D. Barbone, PE
Registered Engineer
PRELIMINARY
NOT APPROVED FOR CONSTRUCTION
10/13/23
ENGINEER
DAVID D. BARBONE
SEAL 049780

MA PROJECT NO: 621373
WR PROJECT NO: 02220710
DATE: 08/25/2023

REVISIONS	
DATE	DESCRIPTION
12-12-2023	BID SET

EROSION CONTROL NOTES & DETAILS

C7.01

811 Know what's below. Call before you dig.

I:\22\22-07\20\20710-Hadlin co dotention ctr\ te completed\CAD\drawing sets\design development plans\CIVIL\XX PATTES & DETAILS.dwg, 12/12/2023 8:06:, STEVE

Date:

Page:

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 feet 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.

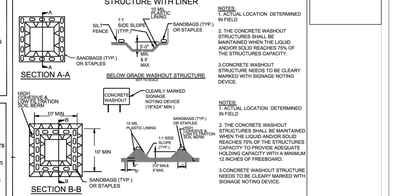
EARTHEN STOCKPILE MANAGEMENT

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.

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.

ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER



NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD

2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY.

3.CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.

NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD

2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.

3.CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.

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 restrictions.
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.

NORTH CAROLINA Environmental Quality

EFFECTIVE DATE: 11/12/2020

NCG-01 GROUND COVER & MATERIALS HANDLING

Date:

Page:

PART II, SECTION G, ITEM (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 (2)(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 the 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.

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 on holiday periods, and no individual-day rainfall information is available, record the cumulative rain measurement for those unattended days (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 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 record of the following shall be made: 1) Actions taken to clean up or stabilize sediment that has left the site limits 2) Description, Evidence and date of corrective actions taken 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 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 2)Records of required reports to the appropriate Division Regional Office per Part III, Section C, Item(2)(a) 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 or redevelopment, permanent ground cover). 2. Documentation that the required ground stabilization measures have been provided within the required timeframe or 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 kept on site and available for inspection at all times during normal business hours.

Item to Document	Document 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 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 to be Kept on Site

In addition to the E&SC plan documents above, the following items shall be kept on the site and available for 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 twelve months. 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.

3. Documentation to be Retained for Three Years

All data used to complete the e-NOI and all 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).

(c) 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.
(d) Anticipated bypasses and unanticipated bypasses.
(e) 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 Department's Environmental Emergency Center personnel at (800) 858-0368.

Occurrence	Reporting Timeframe (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 caused, 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 CAROLINA Environmental Quality

EFFECTIVE DATE:11/12/2020

NCG-01 SELF INSPECTION

WithersRavenel
Engineers | Planners | Surveyors
115 MacKenan Drive | Cary, NC 27511 | t: 919.469.3340 | license #: P-1479 | www.withersravenel.com

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 940-3755 FAX (704) 940-3754
MOSELEYARCHITECTS.COM

Preliminary by
David D. Bartone
DOCUMENTS PRELIMINARY 12/12/2023
PRELIMINARY
NOT APPROVED FOR CONSTRUCTION
027385
REGISTERED ENGINEER
DAVE D. BARTONE

DUPLIN COUNTY DETENTION CENTER

SITE AND CONSTRUCTION DRAWINGS

DUDHSR# J-378
DUPLIN COUNTY NC
KENANSVILLE, NORTH CAROLINA

MA PROJECT NO: 621373
WR PROJECT NO: 02220710
DATE: 08/25/2023

REVISIONS

DATE	DESCRIPTION
12-12-2023	BID SET

811 Know what's below. Call before you dig.

NCG-01 NOTES AND DETAILS

C7.02

I:\22\22-0139\22139.dwg&c:\c:\c:\Users\DavidBartone\Documents\Revit Local Files\22139_DUPLIN COUNTY DETENTION CENTER_STEVE.rvt

DocuSign Envelope ID: 1B763E08-0F2F-40E9-BA0B-707EB074D680

FOUNDATION PLANTING CALCULATIONS

BUILDING AREA ADJACENT TO PARKING AREA	PLANTING AREA REQUIREMENTS	PLANTING AREA REQUIRED	PLANTING AREA PROVIDED	PLANT MATERIAL REQUIREMENTS	EVERGREEN SHRUBS REQUIRED	EVERGREEN SHRUBS PROVIDED	FLOWERING TREES REQUIRED	FLOWERING TREES PROVIDED
A	20% OF THE BUILDING FACADE AREA	SF	SF	1 EVERGREEN SHRUB PER 20 SF AND 1 SMALL FLOWERING TREE PER 100 SF				
B	20% OF THE BUILDING FACADE AREA	SF	SF	1 EVERGREEN SHRUB PER 20 SF AND 1 SMALL FLOWERING TREE PER 100 SF				

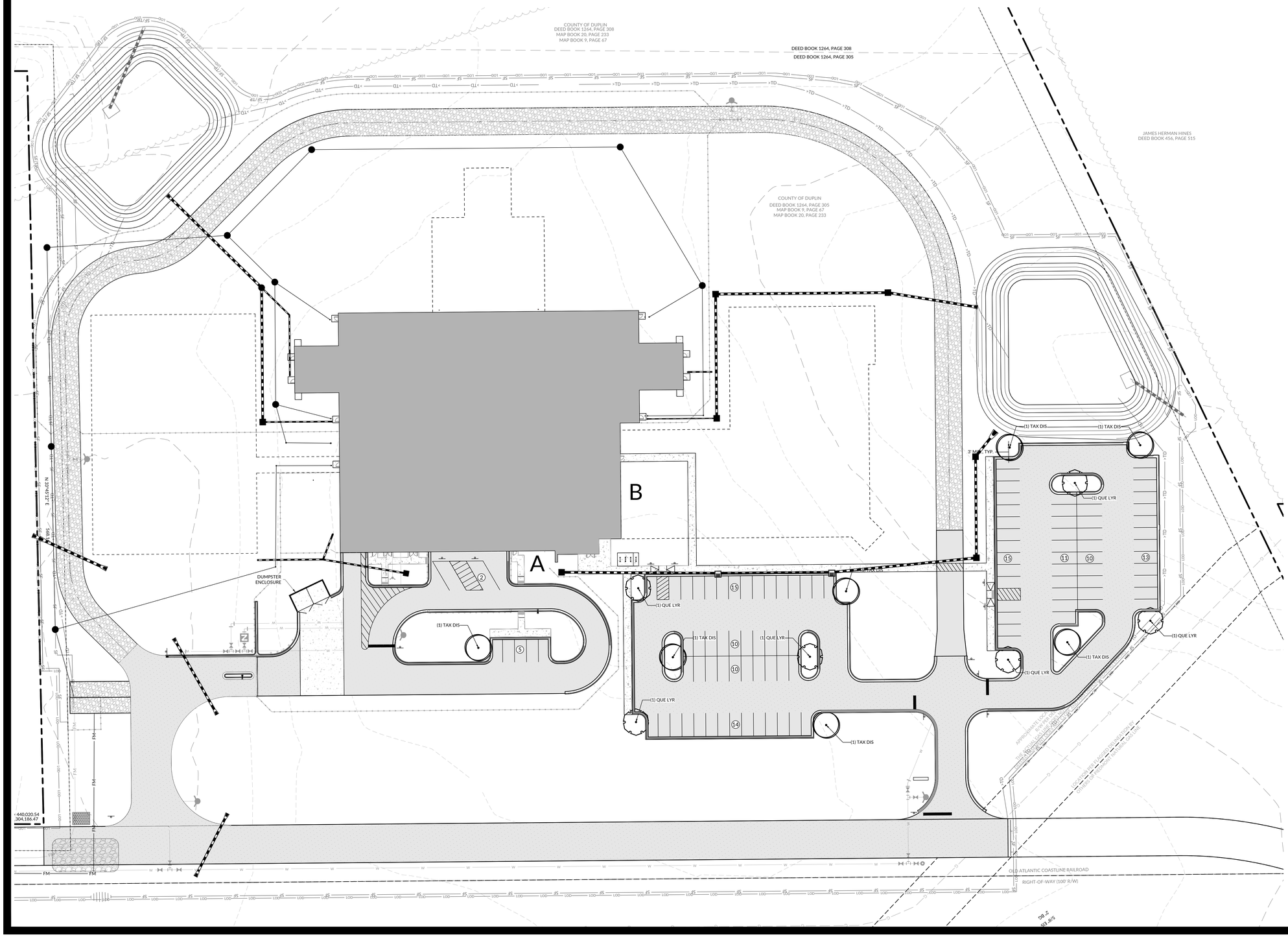
PARKING PLANTING CALCULATIONS

NUMBER OF PARKING SPACES	PLANTING REQUIREMENTS	TREES REQUIRED	TREES PROVIDED
104	1 TREE PER 12 PARKING SPACES	9	13

NOTES:
1. NO STREET YARD, STREET TREE, OR BUFFER PLANTINGS ARE REQUIRED PER KENANSVILLE CODE OF ORDINANCE SECTIONS 152.272, 152.273, 152.276, AND 152.277.
2. REFER TO TREE PRESERVATION PLAN SHEET C1.10 FOR TREE REMOVAL AND REPLACEMENT REQUIREMENTS.
3. FOUNDATION PLANTING CALCULATION TO BE COMPLETED UPON RECEIPT OF BUILDING FACADE ELEVATIONS.

PLANT SCHEDULE

TREES	CODE	BOTANICAL / COMMON NAME	SIZE	QTY
	QUE LYR	Quercus lyrata / Overcup Oak	15 gal.	6
	TAX DIS	Taxodium distichum / Bald Cypress	15 gal.	7



WithersRavenel
Engineers | Planners | Surveyors
115 MacKenan Drive | Cary, NC 27511 | t: 919.469.3340 | license #: P-1479 | www.withersravenel.com

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

PRELIMINARY
NOT APPROVED FOR CONSTRUCTION
DocuSigned by: Tyler E. Steele
B53AED0ACCA3425...
12/12/2023

DUPLIN COUNTY DETENTION CENTER

SITE AND CONSTRUCTION DRAWINGS

DUDHSR# J-378
DUPLIN COUNTY NC
KENANSVILLE, NORTH CAROLINA

MA PROJECT NO: 821373
WR PROJECT NO: 02220710
DATE: 08/25/2023

REVISIONS

DATE	DESCRIPTION
12-12-2023	BID SET

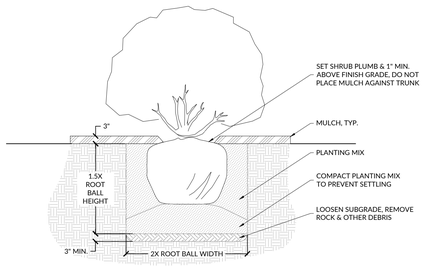
LANDSCAPE PLAN

L1.00

811 Know what's below. Call before you dig.

k:\2021\21-07193-20\07-20-plan\c-xx-detention ctr - la complete\CAD\drawing sets\design development plans\L1.00 LANDSCAPE PLAN.dwg, 12/12/2023 - 8:04, STEVE

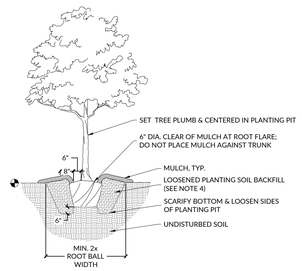
DocuSign Envelope ID: 1B763E08-0F2F-40E9-BA0B-707EB074D680



NOTES:

1. FOR CONTAINER PLANTS, SPLIT THE ROOT BALL WITH 4 EQUALLY SPACED VERTICAL CUTS & SCARIFY ROOT MASS PRIOR TO PLANTING.
2. FOR B&B PLANTS, REMOVE ALL TWINE, ROPE, WIRE & BURLAP FROM ROOT BALL.
3. A 3" HIGH x 8" WIDE BERM SHALL BE MADE AROUND THE ROOT BALL EDGE.
4. PLANTING AREAS WITH MULTIPLE SHRUBS ARE TO BE SIZED SO THAT THE OUTER EDGE OF PLANTING SOIL IS 8" MIN. FROM THE NEAREST SHRUB.
5. SHRUBS ARE TO BE LOCATED SUCH THAT MATURE CANOPY IS 5' MIN. FROM FIRE HYDRANTS AND 24" MIN. FROM CURB LINE.
6. SHRUBS ARE TO BE LOCATED WITH TRIANGULAR SPACING (SEE DETAIL) UNLESS OTHERWISE SHOWN ON THE PLANS.
7. PRUNE SHRUBS ONLY AS NEEDED TO REMOVE DEAD OR BROKEN BRANCHES.

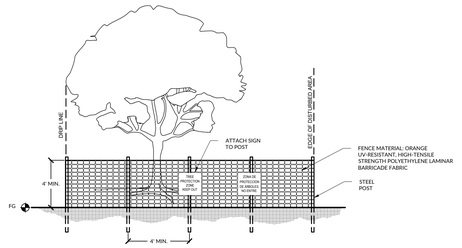
01 SHRUB PLANTING — SECTION
SCALE: 1/2" = 1'-0"



NOTES:

1. FOR CONTAINER PLANTS, REMOVE CONTAINER & SCARIFY ROOT MASS PRIOR TO PLANTING.
2. FOR B&B PLANTS, COMPLETELY REMOVE TOP HALF OF WIRE BASKET AND BURLAP MATERIAL; REMOVE ALL TWINE, ROPE AND WIRE FROM ROOT BALL.
3. SET ROOT BALL ON UNDISTURBED STABLE SUBSOIL SO THAT TOP OF ROOT BALL IS 2'-3" ABOVE FINISHED GRADE. TAMP SOIL FIRMLY AROUND BOTTOM OF ROOT BALL TO SET TREE PLUMB.
4. DIG & TURN PLANTING SOIL TO REDUCE COMPACTION. LIGHTLY TAMP SOIL AROUND ROOT BALL IN 6" LIFTS TO BRACE THE TREE. DO NOT OVER-COMPACT. MIX COMPOST INTO EACH LIFT OF BACKFILL AS RECOMMENDED IN SOIL REPORT. POUR WATER AROUND ROOT BALL TO SETTLE SOIL, AND BACKFILL AS REQUIRED TO MEET REQUIRED FINISHED GRADE.
5. A 3" HIGH x 8" WIDE BERM SHALL BE MADE AROUND THE ROOT BALL EDGE.
6. PRUNE TREES ONLY AS NEEDED TO REMOVE DEAD OR BROKEN BRANCHES.
7. TREES IN WINDY LOCATIONS OR ON STEEP SLOPES ARE TO BE ANCHORED PER DIRECTION FROM LANDSCAPE ARCHITECT.

02 TREE PLANTING — SECTION
SCALE: 1/4" = 1'-0"



NOTES:

1. ALL PLANTS DESIGNATED TO BE SAVED SHALL BE PROTECTED BY TREE PROTECTION FENCING AS SHOWN.
2. INSTALL TREE PROTECTION FENCE AT OR BEYOND TREE'S DRIP LINE, OR AT EDGE OF DISTURBED AREA, AS SHOWN ON PLANS.
3. TREE PROTECTION FENCE SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF CONSTRUCTION, MAINTAINED THROUGHOUT, AND REMOVED AFTER COMPLETION OF THE WORK.
4. TREE PROTECTION SIGNS SHALL BE INSTALLED NO MORE THAN 30 FEET APART. THE SIZE OF EACH SIGN SHALL BE 2'x2' MINIMUM, AND CONTAIN THE FOLLOWING LANGUAGE IN BOTH ENGLISH AND SPANISH: 'TREE PROTECTION ZONE, KEEP OUT!'.
5. THERE SHALL BE NO ENCROACHMENT OR STORAGE OF MATERIAL WITHIN THE BOUNDARIES OF THE TREE PROTECTION FENCE.
6. SIGNS TO BE PLACED 40' O.C. AND AFTER EVERY 90 DEGREE CORNER.

03 TREE PROTECTION FENCE - PLASTIC NET — SECTION
SCALE: 1/4" = 1'-0"

WithersRavenel
Engineers | Planners | Surveyors
115 MacKenan Drive | Cary, NC 27511 | t 919.469.3340 | license # P-1479 | www.withersravenel.com

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

PRELIMINARY
NOT APPROVED FOR CONSTRUCTION
DocuSigned by: Nicole E. Steele
853AED0ACCA34B0...
12/12/2023

DUPLIN COUNTY DETENTION CENTER

SITE AND CONSTRUCTION DRAWINGS

DUDHSR# J-378
DUPLIN COUNTY NC
KENANSVILLE, NORTH CAROLINA

MA PROJECT NO: 621373
WR PROJECT NO: 02220710
DATE: 08/25/2023

REVISIONS

DATE	DESCRIPTION
12-12-2023	BID SET

LANDSCAPE DETAILS

L2.00

811 Know what's below. Call before you dig.

K:\22-2-2710\1239709-duplin co detention ctr 9e complete\CAD\drawing sets\design development plans\L2.00 LANDSCAPE DETAILS.dwg, 12/12/2023 - 9:05, STEVE

DocuSign Envelope ID: 1B763E08-0F2F-40E9-BA0B-707EB074D680

COUNTY OF DUPLIN
DEED BOOK 1264, PAGE 308
MAP BOOK 20, PAGE 233
MAP BOOK 9, PAGE 67

DEED BOOK 1264, PAGE 308
DEED BOOK 1264, PAGE 305

EXISTING SOIL PATH

JAMES HERMAN HINES
DEED BOOK 456, PAGE 515

COUNTY OF DUPLIN
DEED BOOK 1264, PAGE 305
MAP BOOK 9, PAGE 67
MAP BOOK 20, PAGE 233

PROPOSED DETENTION CENTER
57,797 SF (2-STORY TOTAL)
FFE: 129.00'

MECHANICAL YARD

PROPOSED LIGHT ON POLE
(SEE DETAIL) TYP.

PROPOSED LIGHT ON POLE
(SEE DETAIL) TYP.

SANITARY PUMP STATION (PRIVATE)

N 42°42'12" E
966.16'

APPROXIMATE LOCATION OF UNDERGROUND ELECTRIC CONDUIT
THE ACTUAL GAS LINE DOES NOT RUN PARALLEL TO THE
DECKED EASEMENT LINES BUT DOES NOT CROSS ANOTHER DEFINED BOUNDARY LINE.

LOCATION PER FLAGGED DELINEATION BY
GYRBON OF PIEDMONT NATURAL GAS LINE

OLD ATLANTIC COASTLINE RAILROAD
RIGHT-OF-WAY (100' R/W)

440,020.54
304,186.47

GRAPHIC SCALE
30 0 15 30 60
1 inch = 30 ft.

811 Know what's below. Call before you dig.

Outdoor Lighting



MICRO LED ROADWAY
(Meets Dark Sky Criteria)

LED (Light-emitting diode)	50 watts
Mounting height	25'
Color	Gray | Black (Type III)
Pole	Static cast concrete Wood
Applications	Neighborhoods Parks Streets

Light source: *LED (white)*
Wattage: 50 watts
Lumens: 5,232
Light pattern: IESNA Type II, III, V
IESNA cutoff classification: Full-cutoff
BUG rating: Type II = B1U0G2
Type III = B1U0G1
Type V = B3U0G1
Color temperature: 3,000K



light distribution patterns

POLE AVAILABLE	MOUNTING HEIGHT	COLOR
Static cast concrete	25'	Gray
Wood	25'	Standard

FEATURES	BENEFITS
Turnkey operation	Provides hassle-free installation and service
Little or no installation cost	Frees up capital for other projects
Design services by lighting professionals included	Meets industry standards and lighting ordinances
Maintenance, electricity & warranty included	Eliminates high and unexpected repair bills
One low monthly cost on your electric bill	Convenience and savings for you

For additional information, contact us at **ODLFlorida@duke-energy.com.**

DUKE ENERGY.
BUILDING A SMARTER ENERGY FUTURE®

©2021 Duke Energy Corporation 210943 DEF 1021

Outdoor Lighting



PEDESTRIAN SHOEBOX LED
(Meets Dark Sky Criteria)

LED (Light-emitting diode)	50 watts
Mounting height	17'
Color	Black | Bronze
Pole	Colonial concrete Promenade concrete
Applications	Neighborhoods Parks Shopping centers

Light source: *LED (white)*
Wattage: 50 watts
Lumens: 5,217
Light pattern: IESNA Type IV
IESNA cutoff classification: Full-cutoff
BUG rating: Type IV = B1U0G2
Color temperature: 3,000K


light distribution pattern

POLE AVAILABLE	MOUNTING HEIGHT	COLOR
Colonial concrete	17'	Black
Promenade concrete	20'	Black, Bronze

FEATURES	BENEFITS
Turnkey operation	Provides hassle-free installation and service
Little or no installation cost	Frees up capital for other projects
Design services by lighting professionals included	Meets industry standards and lighting ordinances
Maintenance, electricity & warranty included	Eliminates high and unexpected repair bills
One low monthly cost on your electric bill	Convenience and savings for you

For additional information, contact us at **ODLFlorida@duke-energy.com.**

DUKE ENERGY.
BUILDING A SMARTER ENERGY FUTURE®

©2021 Duke Energy Corporation 230943 DEF 1023

WithersRavenel
Engineers | Planners | Surveyors
115 MacKenan Drive | Cary, NC 27511 | t 919.469.3340 | license # P-1479 | www.withersravenel.com

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

PRELIMINARY
NOT APPROVED FOR CONSTRUCTION

CAROLINA PROFESSIONAL ENGINEER SEAL 049822 TIMOTHY DALE STEELE

DocuSigned by: Timothy Steele
B53AEE0ADCCA0A2D...
12/12/2023

DUPLIN COUNTY DETENTION CENTER

SITE AND CONSTRUCTION DRAWINGS

DUDHSR# J-378
DUPLIN COUNTY NC
KENANSVILLE, NORTH CAROLINA

MA PROJECT NO: 621373
WR PROJECT NO: 02220710
DATE: 08/25/2023

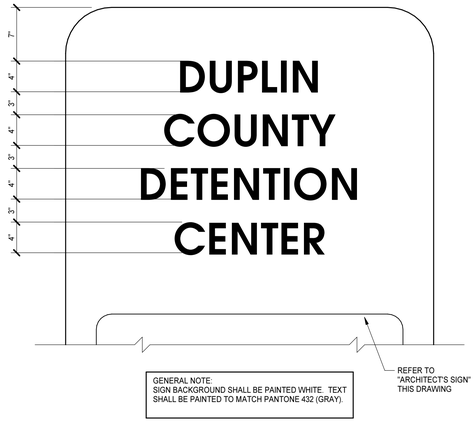
REVISIONS

DATE	DESCRIPTION
12-12-2023	BID SET

LIGHTING EXHIBIT

SL1.00

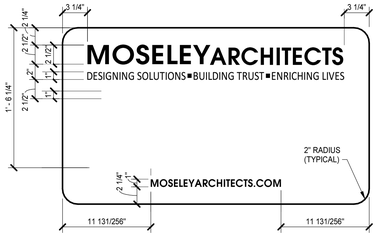
I:\2022\621373\02220710-duplin co detention ctr - kc complex\CAD\drawing sets\design development plans\SL1.00 LIGHTING PLAN.dwg, 12/12/2023 - 8:05, STEVE



GENERAL NOTE:
SIGN BACKGROUND SHALL BE PAINTED WHITE. TEXT SHALL BE PAINTED TO MATCH PANTONE 432 (GRAY).

TEXT LAYOUT ELEVATION

1 1/2" = 1'-0"



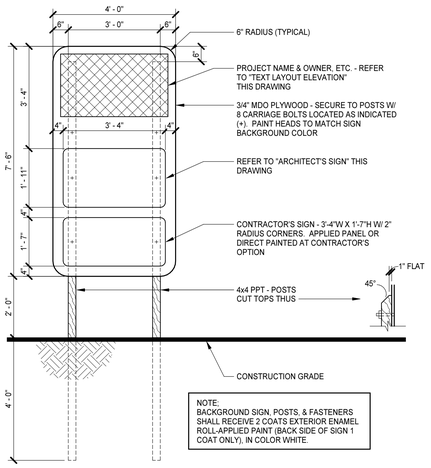
SIZE: 1'-11" VERTICAL x 3'-4" HORIZONTAL

NOTES:
"MOSELEY" TEXT IN LOGO AND WEB ADDRESS IS PMS 485. BULLETS ARE PMS 485, ALL OTHER TEXT AND BORDER IS PMS 432. BACKGROUND IS WHITE.

FONT FOR "DESIGNING SOLUTIONS BUILDING TRUST ENRICHING LIVES" TEXT IS CALIBRI, ALL OTHER TEXT IS AVANTGARDE FONT.

ARCHITECT'S SIGN

1 1/2" = 1'-0"



NOTE:
BACKGROUND SIGN, POSTS, & FASTENERS SHALL RECEIVE 2 COATS EXTERIOR ENAMEL ROLL-APPLIED PAINT (BACK SIDE OF SIGN 1 COAT ONLY), IN COLOR WHITE.

PROJECT SIGN ELEVATION

1/2" = 1'-0"

ARCHITECTURAL ABBREVIATIONS

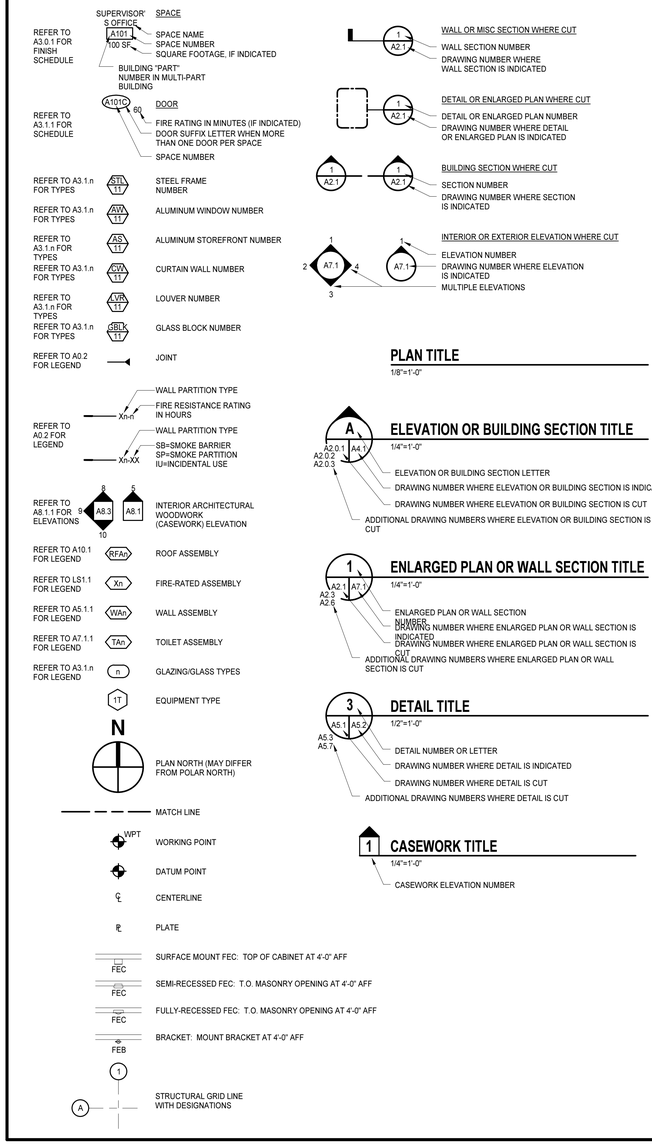
@	AT
A-PT	ACCENT PAINT
ABS	AIR BARRIER SYSTEM
ABV	ABOVE
ACP	ACOUSTICAL CEILING PANEL
ACP-HDC	ACOUSTICAL CEILING PANEL WITH HOLD DOWN CLIPS
ACT	ACOUSTICAL CEILING TILE
ACW	ALUMINUM CLAD WINDOW
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
AP	ACCESS PANEL
APC	ARCHITECTURAL PRECAST CONCRETE
ARC	ABUSE RESISTANT COATING
ARGB	ABUSE RESISTANT GYPSUM BOARD
AS	ALUMINIUM STOREFRONT
AUTO	AUTOMATIC
AVG	AVERAGE
AW	ALUMINUM WINDOW
AWC	ACOUSTICAL WALL COVERING
AWP	ACOUSTICAL WALL PANEL
B-STONE	BLUE STONE
BD	BOARD
BF	BARRIER FREE
BLDG	BUILDING
BLKG	BLOCKING
BOT	BOTTOM
BRG	BEARING
BTWN	BETWEEN
BUR	BUILT-UP ROOF
C	CARPET
C-TILE	CARPET TILE
CAB	CABINET
CB	CHALKBOARD
CCTV	CLOSED CIRCUIT TELEVISION
CF	CUBIC FOOT
CFSF-NS	COLD FORMED STEEL FRAMING, NON-STRUCTURAL
CFSF-S	COLD FORMED STEEL FRAMING, STRUCTURAL
CG	CORNER GUARD
CI	CONTINUOUS INSULATION
CIPC	CAST IN PLACE CONCRETE
CJ	CONTROL JOINT
CL	CLOSET
CLG	CEILING
CLR	CLEAR
CM	CENTIMETER
CMBD	CEMENT BOARD
CMU	CONCRETE MASONRY UNIT
CMU-A	CONCRETE MASONRY UNIT - ACOUSTICAL
CMU-GF	CONCRETE MASONRY UNIT - GROUND FACE
CMU-GLZ	CONCRETE MASONRY UNIT - GLAZED
CMU-SPLF	CONCRETE MASONRY UNIT - SPLIT FACE
CO	CLEANOUT
COL	COLUMN
CONC	CONCRETE
CONC-LH	CONCRETE WITH LIQUID HARDENER
CONC-P	CONCRETE WITH PIGMENT
CONC-SLR	CONCRETE WITH SEALER
CONC-ST	CONCRETE WITH STAIN
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
CORR	CORRIDOR
CSMU	CAST STONE MASONRY UNIT
CT	CERAMIC TILE
CTSK	COUNTERSINK
CUYD	CUBIC YARD
CW	CURTAIN WALL
CWFD	CEMENTITIOUS WOOD FIBER DECK
D	DEPTH/DEEP
DBL	DOUBLE
DEMO	DEMOLITION
DEPT	DEPARTMENT
DETE	DETENTION
DF	DRINKING FOUNTAIN
DG	DOOR GRILLE
DHM	DETENTION HOLLOW METAL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIV	DIVISION
DL	DOOR LOUVER
DN	DOWN
DP	DAMPPROOFING
DR	DISPLAY RAIL
DS	DOWNSPOUT
DTL	DETAIL
DWG	DRAWING
DWR	DRAWER
EA	EACH
EF	EXHAUST FAN
EFS	EXTERIOR FINISH SYSTEM
EIFS	EXTERIOR INSULATION & FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELAS	ELASTOMERIC
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
EPS	EXPANDED POLYSTYRENE
EPX	EPOXY
EPX PT	EPOXY PAINT
EQ	EQUAL
EQUIP	EQUIPMENT
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EX	EXISTING
EXH	EXHAUST
EXP	EXPANSION
EXPC	EXPOSED CONSTRUCTION
EXPC PT	EXPOSED CONSTRUCTION-PAINTED
EXT	EXTERIOR
FAAF	FLUID APPLIED ATHLETIC FLOORING
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEB	FIRE EXTINGUISHER BRACKET
FEC	FIRE EXTINGUISHER CABINET
FF	FINISHED FLOOR
FGL	FIBERGLASS
FGRC	FIBERGLASS REINFORCED CONCRETE
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FHVC	FIRE HOSE VALVE CABINET
FIN	FINISHED
FLR	FLOOR
FLRG	FLOORING
FND	FOUNDATION
FO	FACE OF
FRM	FRAME
FRP	FIBERGLASS REINFORCED PLASTIC
FRT	FIRE RETARDANT TREATED
FT	FOOT
FTG	FOOTING
FURN	FURNITURE
FVC	FIRE VALVE CABINET
FWC	FABRIC WALL COVERING
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GB	GYPSUM BOARD
GB-PT	GYPSUM BOARD-PAINT
GFRC	GLASS FIBER REINFORCED CONCRETE
GFRG	GLASS FIBER REINFORCED GYPSUM
GL	GLASS
GL-BLK	GLASS BLOCK
GPL	GYPSUM PLASTER
GPM	GALLONS PER MINUTE
GRAN	GRANITE
GRT	GROUT
GSFT	GLAZED STRUCTURAL FACING TILE
GT	GLASS TILE
GWT	GLAZED WALL TILE
GYP	GYPSUM
H	HIGH
HB	HOSE BIBB
HBD	HARDBOARD
HDNR	HARDENER
HDWD	HARDWOOD
HDWR	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HPC	HIGH PERFORMANCE COATINGS
HPFP	HIGH PERFORMANCE FLOOR PAINT
HR	HOUR
HT	HEIGHT
HVAC	HEATING, VENTILATING, AIR CONDITIONING
ID	INSIDE DIAMETER
IN	INCH
INCL	INCLUDE
INFO	INFORMATION
INST	INSTALLATION
INSUL	INSULATION
INT	INTERIOR
IRWC	IMPACT RESISTANT WALL COVERING
IWB	INTERACTIVE WHITE BOARD
JAN	JANITOR
JCT	JUNCTION
JT	JOINT
KO	KNOCKOUT
L	LENGTH/LONG
LAB	LABORATORY
LAHJ	LOCAL AUTHORITY HAVING JURISDICTION
LAM	LAMINATE
LAV	LAVATORY
LBS	POUNDS
LH	LEFT HAND
LIN	LINOLEUM
LKR	LOCKER
LMC	LINEAR METAL CEILING
LPS	LAMINATE PANEL SYSTEM
LT	LIGHT
LVR	LOUVER
M	METER
MACH	MACHINE
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MB	MARKERBOARD
MBL	MARBLE
MCM	METAL COMPOSITE MATERIAL
MCP	METAL CEILING PANEL
MDO	MEDIUM DENSITY OVERLAY
MECH	MECHANICAL
MED	MEDIUM
MEMB	MEMBRANE
MFR	MANUFACTURER
MIF	MULTICOLOR INTERIOR FINISHING
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MLDG	MOLDING
MM	MILLIMETER
MO	MASONRY OPENING
MPS	MANUAL PROJECTION SCREEN
MR	MAP RAIL
MT	MOUNT
MTD	MOUNTED
MTL	METAL
MTLB	METAL BASE
MWP	MEMBRANE WATERPROOFING
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO.	NUMBER
NOM	NOMINAL
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE
OC	ON CENTER
OCD	OVERHEAD COILING DOOR
OD	OUTSIDE DIAMETER
OPNG	OPENING
OPP HD	OPPOSITE HAND
OVHD	OVERHEAD
PC	PRECAST
PCP	PORTLAND CEMENT PLASTER
PERF	PERFORATED
PERIM	PERIMETER
PIP	POURED IN PLACE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLWD	PLASTIC LAMINATE WOOD
PLYWD	PLYWOOD
POLY	POLYETHYLENE
PP	PORCELAIN PAVER
PPS	POWER PROJECTION SCREEN
PPT	PRESSURE PRESERVATIVE TREATED
PR	PAIR
PREFAB	PREFABRICATED
PREFIN	PREFINISHED
PREP	PREPARE/PREPARATION
PS	PROJECTION SCREEN
PSB	PENCIL SHARPENER BLOCK
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PAINT
PTN	PARTITION
PTS	PNEUMATIC TUBE SYSTEM
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
PVWC	PERFORATED VINYL WALL COVERING
QT	QUARRY TILE
QTY	QUANTITY
R	RISER. RADIUS
RW	RIGHT OF WAY
RAD	RADIUS
RAF-RFT	RESILIENT ATHLETIC FLOORING - RUBBER FLOOR TILE
RB	RUBBER BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REFG	REFRIGERATOR
REINF	REINFORCING
REM	RECESSED ENTRY MAT
REQ'D	REQUIRED
RES	RESINOUS FLOORING
RFT	RUBBER FLOOR TILE
RH	RIGHT HAND
RL	RAIN LEADER
RM	ROOM
RO	ROUGH OPENING
RSF	RUBBER SHEET FLOORING
RSR	RESILIENT STAIR RISER
RST	RESILIENT STAIR TREAD
RT	RIGHT
RTU	ROOFTOP UNIT
SAB	SOUND ATTENUATION BLANKET
SC-PLK	SECURITY CEILING PLANK
SC-PNL	SECURITY CEILING PANEL
SCH	SCHEDULE
SF	SQUARE FOOT
SFRM	SPRAYED FIRE RESISTANT MATERIAL
SGB	SECURITY GYPSUM BOARD
SHM	SECURITY HOLLOW METAL
SHTG	SHEATHING
SIM	SIMILAR
SPEC	SPECIFICATION
SPF	SPRAYED POLYURETHANE FOAM
SPR	SPRINKLER
SQ	SQUARE
SRD	SECONDARY ROOF DRAIN
SS	STAINLESS STEEL
SSM	SOLID SURFACE MATERIAL
ST	STREET
STC	SOUND TRANSMISSION COEFFICIENT
STD	STANDARD
STL	STEEL
STRUCT	STRUCTURAL
SUSP	SUSPENDED
SV	SHEET VINYL
SWM	SECURITY WOVEN MESH / ROD MESH
SY	SQUARE YARD
SYM	SYMMETRICAL
T	TREAD
T&G	TONGUE & GROOVE
T.O.	TOP OF
TB	TACKBOARD
TCF	TEXTILE COMPOSITE FLOORING
TEL	TELEPHONE
TERR-C	TERRAZZO CEMENTITIOUS
TERR-E	TERRAZZO EPOXY
TERR-R	TERRAZZO RUBBERIZED
THHD	THRESHOLD
THK	THICKNESS
TOS	TOP OF STEEL
TOW	TOP OF WALL
TS	TACK STRIP
TTC	TALK-THROUGH COMMUNICATOR
TV	TELEVISION
TYP	TYPICAL
UC	UNDERCUT
UG	UNDERGROUND
UH	UNIT HEATER
UNO	UNLESS NOTED (INDICATED) OTHERWISE
VAT	VINYL ASBESTOS TILE
VCT	VINYL COMPOSITION TILE
VDB	VISUAL DISPLAY BOARD
VERT	VERTICAL
VEST	VESTIBULE
VFCT	VINYL FREE COMPOSITION TILE
VFWC	VINYL FREE WALLCOVERING
VR	VAPOR RETARDER
VRB	VINYL/RUBBER BASE
VT	VINYL TILE
VTR	VENT THROUGH ROOF
VWC	VINYL WALL COVERING
W	WIDE
W/	WITH
W/O	WITHOUT
WB	WOOD BASE
WC	WATER CLOSET
WCP	WOOD CEILING PANEL
WD	WOOD
WD-PNL	WOOD PANELING
WDW	WINDOW
WP	WATERPROOFING
WPT	WORKING POINT
WSCT	WAINSCOT
WSF	WOOD SPORTS FLOORING
WT	WEIGHT
WWF	WELDED WIRE FABRIC
XPS	EXTRUDED POLYSTYRENE
YD	YARD

KEYNOTES

n — KEYNOTE (1 TO 2 DIGITS)
nnn — KEYNOTE (3 DIGITS ONLY)
n.nn" — SIZE: THICKNESS; OR OTHER DESCRIPTIVE INFORMATION

1. KEYNOTES ARE GENERALLY ASSOCIATED WITH A SERIES OF DRAWINGS (e.g., A3.2 n. A5.1 n). THEREFORE KEYNOTE NUMBERS FROM SERIES TO SERIES WILL VARY (i.e., KEYNOTE NO. 1 IN THE A3.2 n SERIES WILL BE DIFFERENT FROM KEYNOTE NO. 1 IN THE A5.1 n SERIES).

ARCHITECTURAL GRAPHIC SYMBOL LEGEND



ARCHITECTURAL GENERAL NOTES

A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.

B. ELEMENTS THAT ARE IDENTIFIED BY OTHER DISCIPLINES (e.g., CIVIL, STRUCTURAL, PLUMBING, FIRE PROTECTION, MECHANICAL, ELECTRICAL) ELSEWHERE WITHIN THE ARCHITECTURAL SERIES OF DRAWINGS AND/OR SPECIFICATIONS, OR IDENTIFIED OR COVERED BY DEFAULTS (e.g., SIZES, THICKNESS, SPACING, MATERIALS) IN THE SPECIFICATIONS MAY NOT BE ANNOTATED (NOTE OR KEYNOTED) ON THESE DRAWINGS.

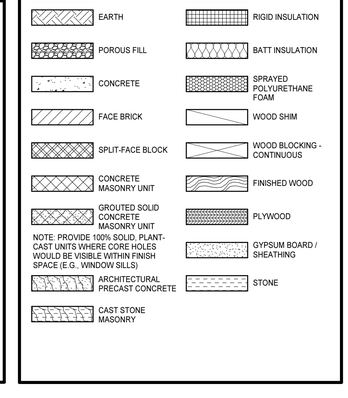
C. ELEMENTS IDENTIFIED IN "LEGENDS" AND/OR "GENERAL NOTES" MAY NOT BE NOTED IN DETAILS, OR SECTIONS, AS THESE ELEMENTS ARE IDENTIFIED IN THE LEGENDS (e.g. FACE BRICK, CMU, WINDOWS)

D. REFER TO "ASSEMBLIES" FOR MATERIALS AND COMPONENTS THAT MAKE UP THAT PARTICULAR ASSEMBLY (e.g., EXTERIOR WALL ASSEMBLIES, ROOF ASSEMBLIES, AND FIRE-RATED ASSEMBLIES). ONCE A PARTICULAR ASSEMBLY HAS BEEN IDENTIFIED ON ONE DRAWING, THAT SAME ASSEMBLY GRAPHIC SHALL APPLY TO ALL OTHER SIMILAR LOCATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE. PROVIDE THAT SAME ASSEMBLY AT THE SIMILAR LOCATION WHETHER THE ASSEMBLY GRAPHIC SYMBOL IS SHOWN OR NOT.

E. VERIFY ALL DIMENSIONS, INCLUDING DIMENSIONS ON STRUCTURAL DRAWINGS AND OTHER ARCHITECTURAL DRAWINGS. IMMEDIATELY NOTIFY ARCHITECT OF ANY DISCREPANCIES.

F. PROVIDE CONCRETE HOUSEKEEPING PADS FOR ALL EQUIPMENT INDICATED TO BE MOUNTED OR OTHERWISE REQUIRED TO BE MOUNTED TO THE FLOOR. WHERE PADS ARE NOT SHOWN, PROVIDE 6" THICK CONCRETE PADS W/ 3/4" CHAMFERED EDGES (ALL SIDES). REINFORCE WITH MESH EQUIVALENT TO FLOOR SLAB REINFORCING REQUIREMENTS.

ARCHITECTURAL MATERIALS LEGEND



MOSELEYARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS — REGISTERED ARCHITECT — 11547 — NORTH CAROLINA — CHARLOTTE, NC — 12/12/23

MOSELEY ARCHITECTS, P.A. — CORPORATE SEAL — 50149 — NORTH CAROLINA — CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE:
821373	December 12, 2023

REVISIONS

DATE	DESCRIPTION

GENERAL ARCHITECTURAL INFORMATION

A0.1

12/13/2023 9:44:22 AM

TERMINATION GENERAL NOTES

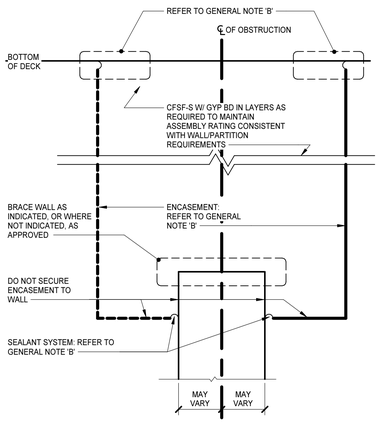
A. SEAL ALL NON-OBSTRUCTED HEAD-OF-WALL CONDITIONS IN ACCORDANCE WITH JOINT SYSTEM MANUFACTURER'S RECOMMENDATIONS BASED ON CONDITION ENCOUNTERED (E.G., CMU-TO-DECK (PARALLEL OR PERPENDICULAR TO FLUTES); OR CFSF-TO-DECK (PARALLEL OR PERPENDICULAR TO FLUTES). BRACE WALL AS INDICATED OR REQUIRED.

B. SEAL ALL NON-OBSTRUCTED HEAD-OF-WALL CONDITIONS IN ACCORDANCE WITH JOINT SYSTEM MANUFACTURER'S RECOMMENDATIONS BASED ON CONDITION ENCOUNTERED (E.G., CMU-TO-DECK (PARALLEL OR PERPENDICULAR TO FLUTES); OR CFSF-TO-DECK (PARALLEL OR PERPENDICULAR TO FLUTES) TO MAINTAIN ASSEMBLY RATING CONSISTENT WITH WALL/PARTITION REQUIREMENTS. BRACE WALL AS INDICATED OR REQUIRED.

C. AT ALL WALLS PREVENTED FROM TERMINATING AT THE UNDERSIDE OF FLOOR/ROOF DECK BY OBSTRUCTIONS, COMPLY WITH THE FOLLOWING:

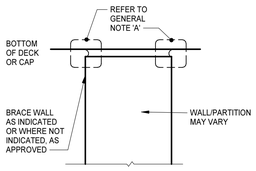
- AT FIRE-, SMOKE-, AND ACOUSTICALLY-RATED WALLS: ENCASE OBSTRUCTION(S) TO MAINTAIN ASSEMBLY RATING CONSISTENT WITH WALL/PARTITION REQUIREMENTS.
- AT SECURITY WALLS: TERMINATE IN ACCORDANCE WITH SECURITY PARTITION REQUIREMENTS.
- AT OTHER WALLS: ENCASE OBSTRUCTION(S) ON ONE SIDE.
- SEAL ENCASEMENT TO WALL AND SEAL ENCASEMENT TO DECK IN ACCORDANCE WITH JOINT SYSTEM MANUFACTURER'S RECOMMENDATIONS AND TO MAINTAIN ASSEMBLY RATING CONSISTENT WITH WALL/PARTITION REQUIREMENTS.

TERMINATIONS

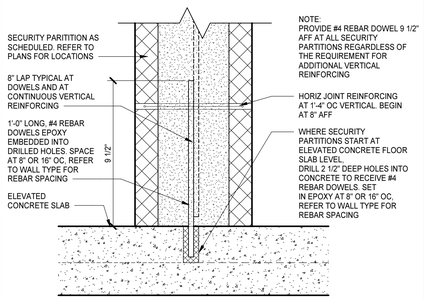


HEAD-OF-WALL TERMINATION @ OBSTRUCTION

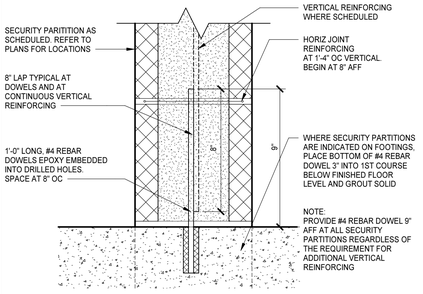
OBSTRUCTION MAY VARY (BEAM, JOIST, GIRDER, CHANNEL, DUCTWORK, PIPING)



HEAD-OF-WALL TERMINATION @ NON-OBSTRUCTION



SECURITY MASONRY WALLS ON ELEVATED CONCRETE FLOOR SLABS



SECURITY MASONRY WALLS ON CONCRETE SLAB ON GRADE

WALL JOINT GENERAL NOTES

A. DRAWINGS MAY INDICATE AESTHETIC AND FUNCTIONAL WALL JOINTS.

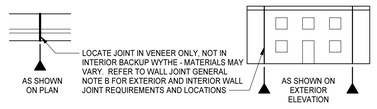
B. REFER TO SPECIFICATIONS AND REFERENCED STANDARDS FOR ADDITIONAL WALL JOINT REQUIREMENTS.
- EXTERIOR: LOCATE AS SHOWN ON DRAWINGS.
- INTERIOR: LOCATE PER DRAWINGS, IF SHOWN, AND WHERE NOT SHOWN, LOCATE IN ACCORDANCE WITH SPECIFICATIONS.
- DO NOT ALIGN EXTERIOR JOINTS W/ INTERIOR, BACK-UP WYTHE JOINTS, UNLESS SPECIFICALLY SHOWN TO ALIGN

C. WALLS AND JOINT TYPES/DETAILS ARE DIAGRAMMATIC. VERIFY ACTUAL FIELD CONDITIONS AND ADJUST JOINT TYPES/DETAILS IN ACCORDANCE WITH REFERENCED STANDARDS.

D. PROVIDE TESTED JOINT ASSEMBLIES AT FIRE-, SMOKE-, AND ACOUSTICAL-RATED WALLS.

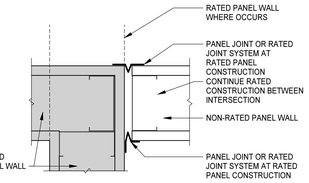
E. WHEN USED HEREIN "RATED" MEANS: FIRE, SMOKE, AND/OR ACOUSTICAL.

EXTERIOR WALL JOINT GRAPHIC SYMBOLS



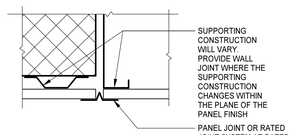
WALL JOINTS

RATED/ NON-RATED CFSF/ PANELS

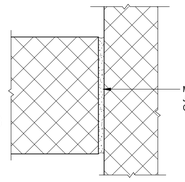


NOTE:
RATED WALL SHADED FOR CLARITY THIS DETAIL

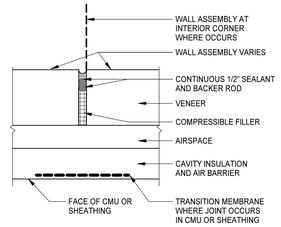
CMU/ CFSF



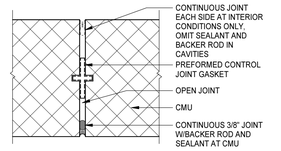
EQUAL BEARING CMU INTERSECTIONS



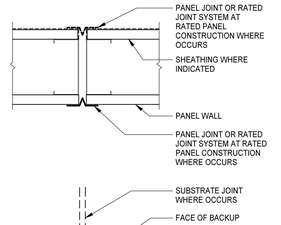
VENEER/ CAVITY



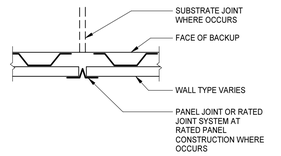
CMU



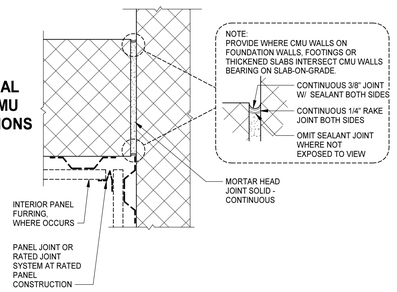
CFSF/ PANELS



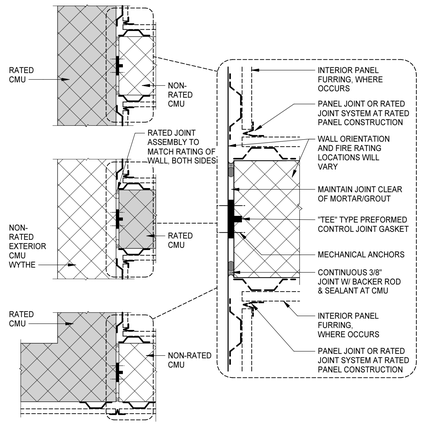
PANEL



DIFFERENTIAL BEARING CMU INTERSECTIONS



RATED/ NON-RATED CMU



NOTE:
RATED WALLS SHADED FOR CLARITY THIS DETAIL

WALL/PARTITION TYPE GENERAL NOTES

A. PLAN DIMENSIONS ARE TO FACE OF WALL OR PARTITION. WHERE APPLIED FINISHES OCCUR-SUCH AS CERAMIC TILE-DIMENSIONS ARE TO FACE OF APPLIED FINISH. FOR WAINSCOTS, FLOOR PLAN DIMENSIONS ARE TO FACE OF WAINSCOT MATERIAL. APPLIED FINISHES ARE NOT ALLOWED TO REDUCE CLEAR DIMENSIONS. "APPLIED FINISHES" IN THIS CASE DO NOT INCLUDE TRIM, BASE, AND ACOUSTIC WALL PANELS.

B. EXTEND WALL/PARTITION ASSEMBLY COMPONENTS FULL HEIGHT OF ASSEMBLY.

C. ALL INTERIOR MASONRY UNIT PARTITIONS: M1 LESS INDICATED OTHERWISE.

D. ALL INTERIOR CFSF PANEL PARTITIONS: P1 UNLESS INDICATED OTHERWISE.

E. REFER TO STRUCTURAL AND DETENTION DRAWINGS AND RELATED SPECIFICATIONS FOR SOLID MASONRY, GROUTING, AND REINFORCEMENT REQUIREMENTS INCLUDING BUT MAY NOT BE LIMITED TO:

- MASONRY WALLS/PARTITIONS
- LINTELS
- LINTEL BEARING CONDITIONS
- BOND BEAMS
- SHELF BEARING CONDITIONS
- STRUCTURAL REINFORCING REQUIREMENTS
- CHANGES IN WYTHE

F. THE TERMS "WALL" AND "PARTITION" MAY BE USED INTERCHANGEABLY THROUGHOUT THE CONTRACT DOCUMENTS.

G. EXTEND ALL FIRE-, SMOKE-, INCIDENTAL USE-, AND ACOUSTICAL-RATED WALLS/PARTITIONS TO UNDERSIDE OF FLOOR DECK, ROOF DECK, STRUCTURAL ELEMENT ENCASEMENT OR SOLID CAP ABOVE.

- SEAL AND TERMINATE IN ACCORDANCE WITH JOINT SYSTEM TESTED ASSEMBLIES FOR RESPECTIVE TYPE OF WALLS/PARTITIONS.

H. PARTITIONS THAT DO NOT EXTEND TO UNDERSIDE OF DECK OR CAP ABOVE:

- EXTEND 4 INCHES MINIMUM ABOVE HIGHEST ADJACENT FINISH CEILING UNLESS INDICATED OTHERWISE.

I. DO NOT CONNECT TIES, ANCHORS, OR REINFORCING TO SINGLE CANTILEVERED FIRE WALL OR BETWEEN DOUBLE FIRE WALLS.

J. SEAL AROUND ALL PENETRATIONS.

K. COMPLY WITH TERMINATION, WALL JOINT, AND MISCELLANEOUS DETAILS FOR THOSE CONDITIONS WHERE APPLICABLE. COMPLY WITH REFERENCED STANDARDS WHERE DETAILS ARE NOT IDENTIFIED IN THE DRAWINGS.

L. WALL/PARTITION TYPES DO NOT ADDRESS WALL FINISHES. REFER TO FINISH SCHEDULE.

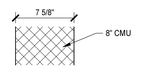
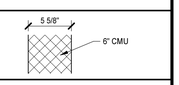
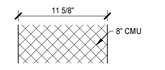
M. FINISHED SPACES: PROVIDE CHASES AROUND ALL EXPOSED VERTICAL COMPONENTS, INCLUDING, BUT MAY NOT BE LIMITED TO: DUCTWORK, PIPING, CONDUIT, AND RAIN LEADERS - UNLESS INDICATED OTHERWISE TO REMAIN EXPOSED.

- HOLD CHASES TIGHT TO COMPONENTS ALLOWING FOR ACCESS, INSULATION, AND TOLERANCES.
- EXTEND CHASES FROM FLOOR TO 4 INCHES MINIMUM ABOVE FINISH CEILING OR IF NO CEILING IS INDICATED, EXTEND CHASES TO UNDERSIDE OF FLOOR DECK, ROOF DECK, OR SOLID CAP ABOVE AND TERMINATE ACCORDINGLY.

N. PROVIDE BACKER BOARD/UNIT OF SAME THICKNESS INDICATED IN LIEU OF GYPSUM BOARD PANEL AT PORTIONS OF WALLS/PARTITIONS TO RECEIVE TILE.

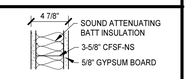
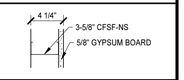
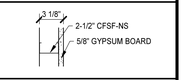
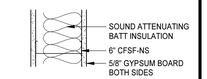
MASONRY UNIT WALL/PARTITION TYPES

REPRESENTED BY Xnn

MARK	FIRE RATED ASSEMBLY (REFER TO LS 1.1 FOR LEGEND)	REMARKS	INFORMATION
M1	--	ALL MASONRY WALLS SHALL BE MINIMALLY REINFORCED WITH #4 BARS @ 48" OC	
M1-1	⬭	---	
M2	--	ALL MASONRY WALLS SHALL BE MINIMALLY REINFORCED WITH #4 BARS @ 48" OC	
M3	--	ALL MASONRY WALLS SHALL BE MINIMALLY REINFORCED WITH #4 BARS @ 48" OC	
M3-1	⬭	---	

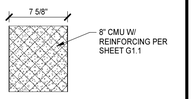
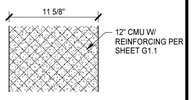
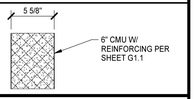
PANEL WALL/PARTITION TYPES

REPRESENTED BY Xnn

MARK	FIRE RATED ASSEMBLY (REFER TO LS 1.1 FOR LEGEND)	REMARKS	INFORMATION
P1	--	STC 45	
P2	--	--	
P3	--	--	
P4	--	--	
P4-1	X2	1HR	

SECURITY WALL/PARTITION TYPES

REPRESENTED BY Xnn

MARK	FIRE RATED ASSEMBLY (REFER TO LS 1.1 FOR LEGEND)	REMARKS	INFORMATION
S1	--	--	
S1-1	X1	1HR	
S1-2	X1	2HR	
S2	--	--	
S2-1	X1	1HR	
S2-2	X1	2HR	
S3	--		
S4	--		

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS REGISTERED ARCHITECT 11547 NORTH CAROLINA CHARLOTTE, NC 12/12/23

MOSELEY ARCHITECTS P.C. CORPORATE REGISTRATION 50149 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE:
621373	December 12, 2023

REVISIONS

DATE	DESCRIPTION

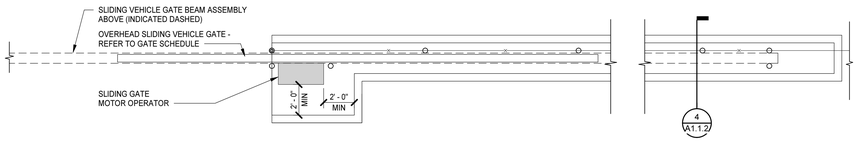
WALL/PARTITION TYPES, WALL JOINTS AND TERMINATIONS

A0.2

12/13/2023 9:44:26 AM

GATE SCHEDULE

GATE #	GATE TYPE	MATERIAL	GATE SIZE	LOCATION	HARDWARE SET	NOTES
G1	SLIDING VEHICLE GATE	GALV CHAIN LINK	31'-0"W X 14'-0"H	SECURE VEHICLE EXIT/ENTRY	--	INTERFACE W/ SECURITY CONTROL SYSTEM FOR REMOTE OPERATION
G2	SLIDING VEHICLE GATE	GALV CHAIN LINK	12'-0"W X 12'-0"H	VEHICLE SALLYPORT	--	INTERFACE W/ SECURITY CONTROL SYSTEM FOR REMOTE OPERATION
G3	SLIDING VEHICLE GATE	GALV CHAIN LINK	12'-0"W X 12'-0"H	VEHICLE SALLYPORT	--	INTERFACE W/ SECURITY CONTROL SYSTEM FOR REMOTE OPERATION
G4	DOUBLE SWING GATE	GALV CHAIN LINK	22'-0"W X 12'-0"H	FIRE ACCESS DRIVE	--	**PADLOCKED BY OWNER**, PROVIDE KNOX BOX ADJACENT TO GATE
G5	DOUBLE SWING GATE	GALV CHAIN LINK	22'-0"W X 12'-0"H	FIRE ACCESS DRIVE	--	**PADLOCKED BY OWNER**, PROVIDE KNOX BOX ADJACENT TO GATE
G6	SINGLE SWING GATE	GALV CHAIN LINK	4'-0"W X 7'-0"H	VEHICLE SALLYPT PED GATE	SH12	INTERFACE W/ SECURITY CONTROL SYSTEM FOR REMOTE OPERATION
G7	SINGLE SWING GATE	GALV CHAIN LINK	4'-0"W X 7'-0"H	VEHICLE SALLYPT PED GATE	SH12	INTERFACE W/ SECURITY CONTROL SYSTEM FOR REMOTE OPERATION



2 A1.1.1 **TYPICAL SLIDING GATE TROUGH PLAN**
1/4" = 1'-0"

ARCHITECTURAL SITE PLAN KEYNOTES

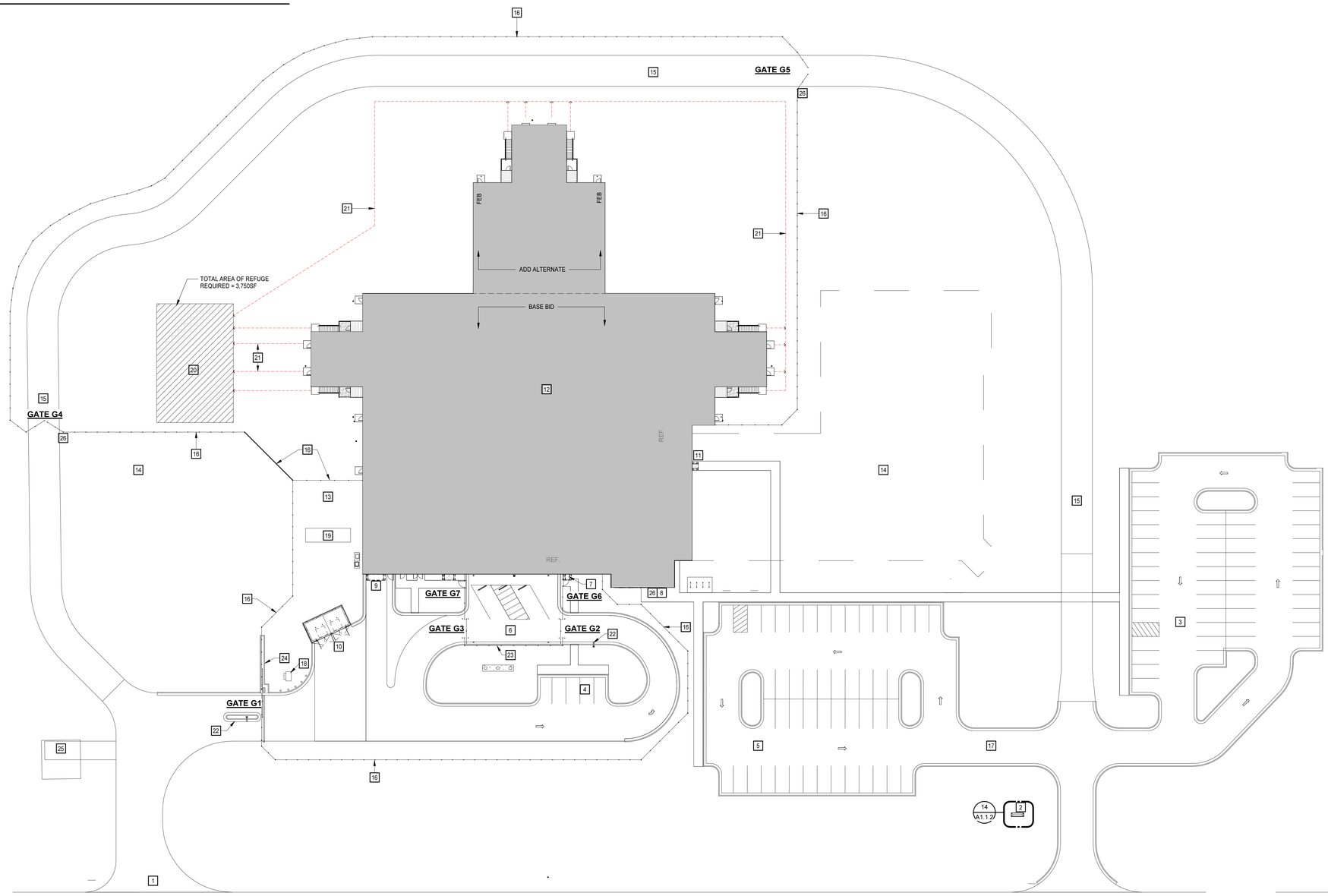
REPRESENTED BY [x]

1	OFFICER / SERVICE ENTRANCE
2	MONUMENTAL BUILDING SIGNAGE
3	STAFF PARKING
4	MAGISTRATE PARKING
5	VISITOR PARKING
6	VEHICLE SALLYPORT
7	MAGISTRATE ENTRANCE
8	VISITOR ENTRANCE
9	LOADING DOCK
10	DUMPSTER LOCATION
11	STAFF ENTRANCE
12	DETENTION CENTER
13	UNDERGROUND GREASE INTERCEPTOR LOCATION
14	CLEAR AREA FOR FUTURE BUILDING EXPANSION
15	FIRE ACCESS ROAD
16	PERIMETER SECURITY FENCE - REFER TO DETAIL 2/A1.1.2
17	VISITOR VEHICLE ENTRANCE
18	TRANSFORMER LOCATION
19	GENERATOR LOCATION
20	INMATE CONTAINMENT AREA
21	UNOBSTRUCTED PATH OF TRAVEL TO INMATE CONTAINMENT AREA
22	DRIVE-UP INTERCOM STATION - REFER TO DETAIL 8/SE3.1
23	VEHICLE SALLYPORT FENCE - REFER TO 1/A1.1.1
24	SLIDING GATE TROUGH - REFER TO DTL 2/A1.1.1
25	SANITARY PUMP STATION LOCATION
26	KNOX BOX LOCATION

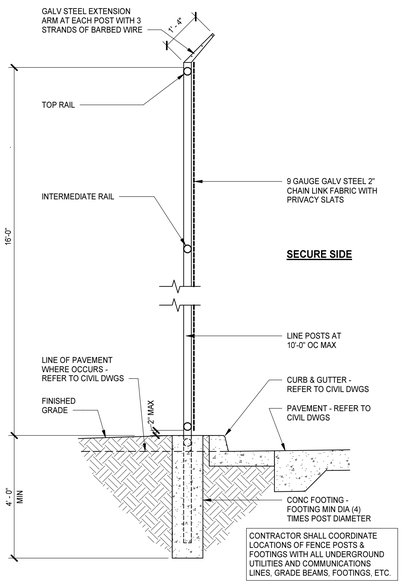
ARCHITECTURAL SITE PLAN GENERAL NOTES

A. COORDINATE SITE BOLLARD LOCATIONS AND TYPES WITH CIVIL DRAWINGS.

B. COORDINATE MONUMENTAL SIGNAGE WITH DRAWINGS ON A1.1.2.



PROPOSED FAIRGROUNDS DRIVE EXTENSION



1 A1.1.1 **VEHICLE SALLYPORT FENCE**
1/2" = 1'-0"

N

ARCHITECTURAL SITE PLAN
1" = 30'-0"

0' 15' 30' 60'
1" = 30'-0"

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS REGISTERED ARCHITECT 11547 NORTH CAROLINA CHARLOTTE, NC
12/12/23

MOSELEY ARCHITECTS, P.A. CORPORATE REGISTRATION 50149 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE:
521373	December 12, 2023

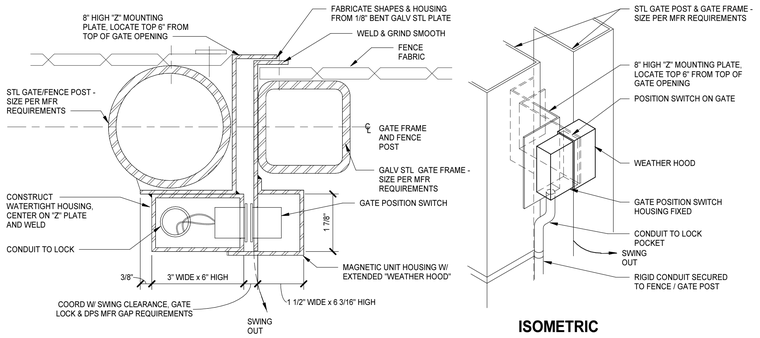
REVISIONS

DATE	DESCRIPTION

ARCHITECTURAL SITE PLAN

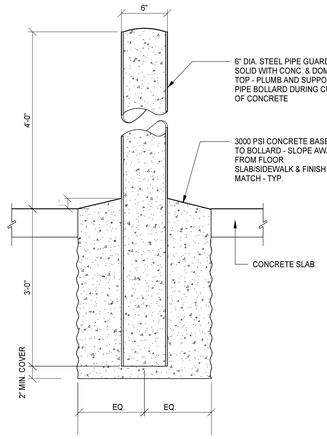
A1.1.1

12/13/2023 9:44:33 AM

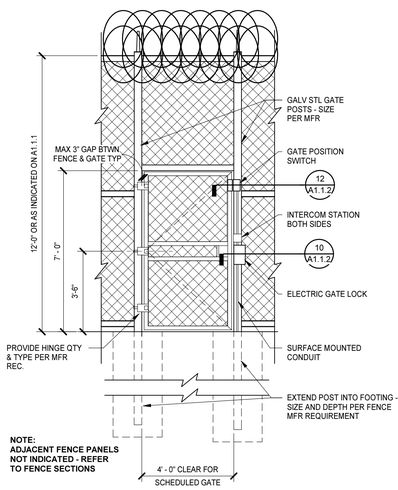


ISOMETRIC

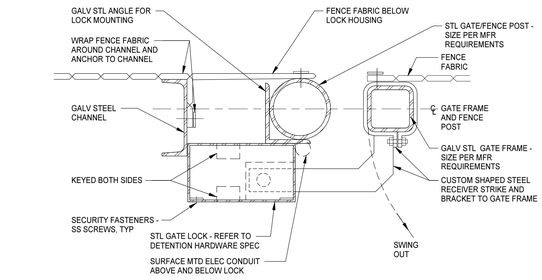
12 DETAIL - GATE DOOR POSITION SWITCH
A1.1.2 A1.1.2 6" = 1'-0"



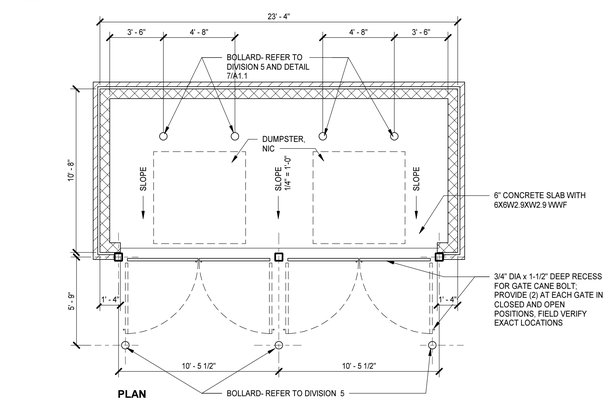
13 PIPE BOLLARD SECTION
A1.1.2 1/4" = 1'-0"



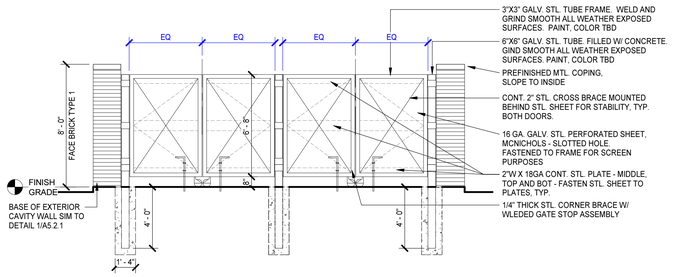
11 ELEVATION - ELECTRONIC PEDESTRIAN SWING GATE
TYP A1.1.2 3/8" = 1'-0"



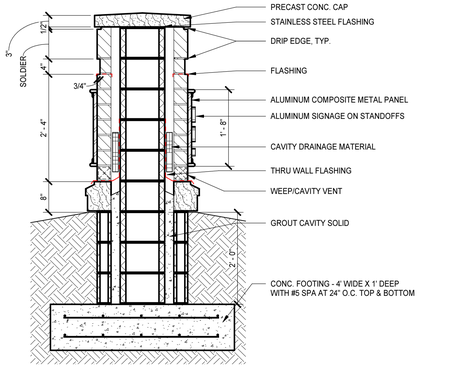
10 ELECTRONIC PEDESTRIAN SWING GATE LOCK SECTION
A1.1.2 A1.1.2 3" = 1'-0"



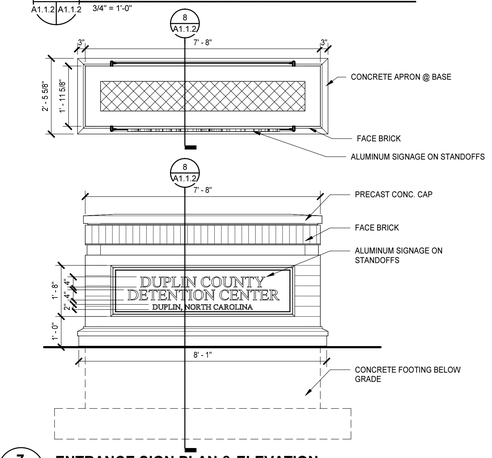
PLAN



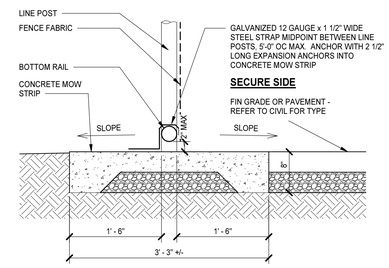
9 DUMPSTER PLAN & ELEVATION
A1.1.2 1/4" = 1'-0"



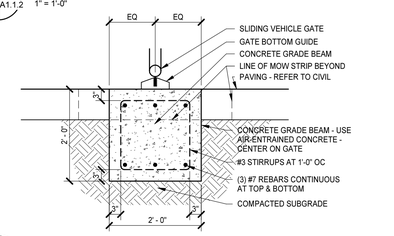
8 ENTRANCE SIGN SECTION
A1.1.2 A1.1.2 3/4" = 1'-0"



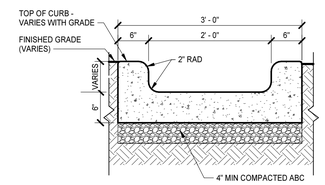
7 ENTRANCE SIGN PLAN & ELEVATION
A1.1.2 1/2" = 1'-0"



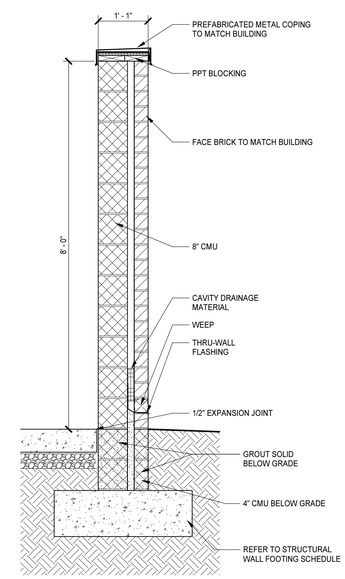
6 FENCE DETAIL - MOW STRIP & TIE DOWN
A1.1.2 A1.1.2 1" = 1'-0"



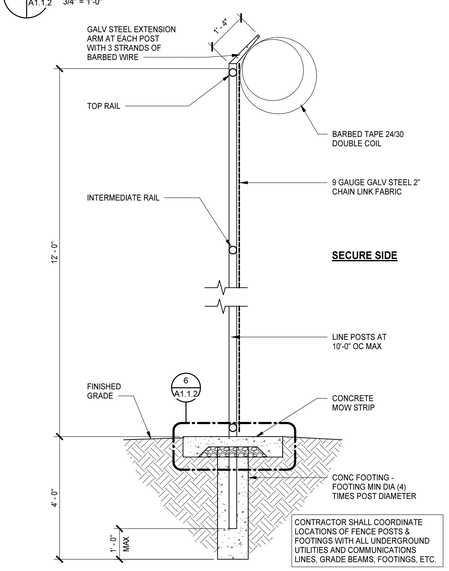
5 DETAIL - GRADE BEAM AT SLIDING VEHICLE GATE
A1.1.3 A1.1.2 3/4" = 1'-0"



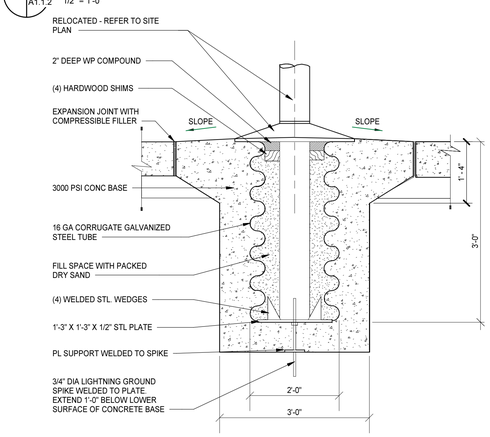
4 SLIDING GATE TROUGH SECTION
A1.1.1 A1.1.2 1" = 1'-0"



3 DUMPSTER WALL SECTION
A1.1.2 3/4" = 1'-0"



2 PERIMETER SECURITY FENCE
A1.1.2 1/2" = 1'-0"



1 FLAGPOLE BASE DETAIL
A1.1.2 3/4" = 1'-0"

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS REGISTERED ARCHITECT 11547 NORTH CAROLINA CHARLOTTE, NC 12/12/23

MOSELEY ARCHITECTS, P.C. CORPORATION 50149 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

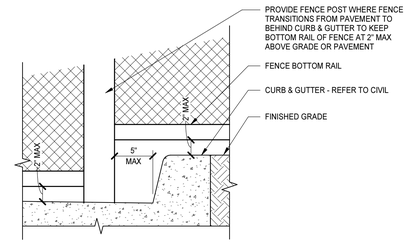
DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO: 621373	DATE: December 12, 2023
REVISIONS	
DATE	DESCRIPTION

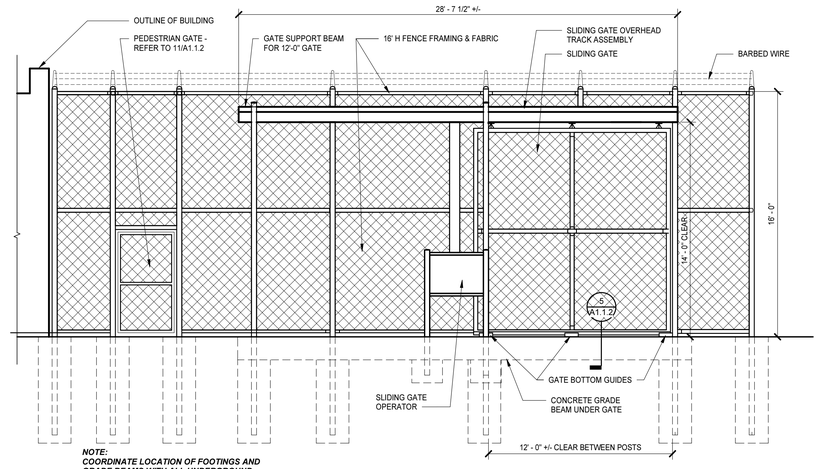
SITE DETAILS

A1.1.2

12/13/2023 9:44:38 AM



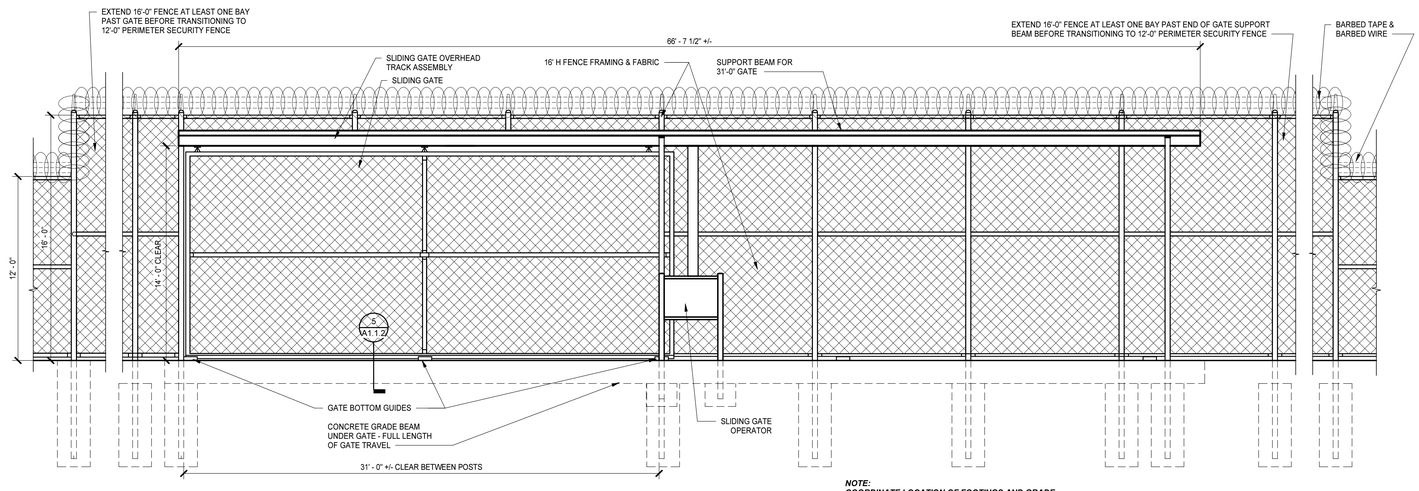
3 TYP | A1.1.3 — DETAIL - FENCE POST AT LEVEL CHANGE
1 1/2" = 1'-0"



NOTE:
COORDINATE LOCATION OF FOOTINGS AND GRADE BEAMS WITH ALL UNDERGROUND UTILITIES, COMMUNICATIONS LINES, SECURITY CONTROL WIRING, AND OTHER BELOW GRADE CONSTRUCTIONS.

(VIEWED FROM INSIDE FENCE)
(GATE G3 IS OPPOSITE HAND)

2 A1.1.3 — ELEVATION - VEHICLE SALLYPORT GATE G2
1/4" = 1'-0"



(VIEWED FROM INSIDE FENCE)

NOTE:
COORDINATE LOCATION OF FOOTINGS AND GRADE BEAMS WITH ALL UNDERGROUND UTILITIES, COMMUNICATIONS LINES, SECURITY CONTROL WIRING, AND OTHER BELOW GRADE CONSTRUCTION.

1 A1.1.3 — ELEVATION - GATE G1
1/4" = 1'-0"

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS — REGISTERED ARCHITECT — 11547 — NORTH CAROLINA — CHARLOTTE, NC
12/12/23

MOSELEY ARCHITECTS, P.C. — CORPORATE REGISTRATION — 50149 — NORTH CAROLINA — CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE:
621373	December 12, 2023

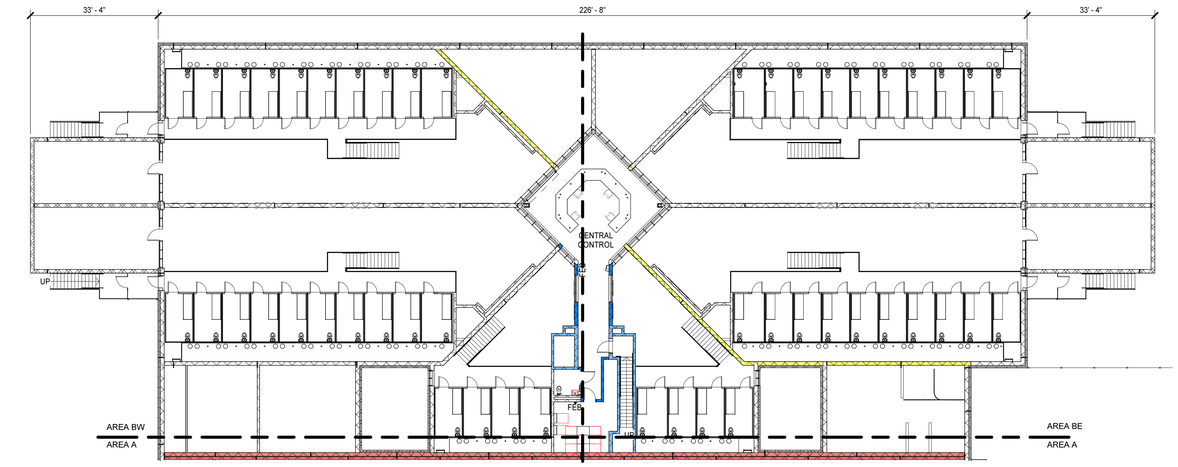
REVISIONS

DATE	DESCRIPTION

FENCE DETAILS

A1.1.3

12/13/2023 9:44:39 AM



N

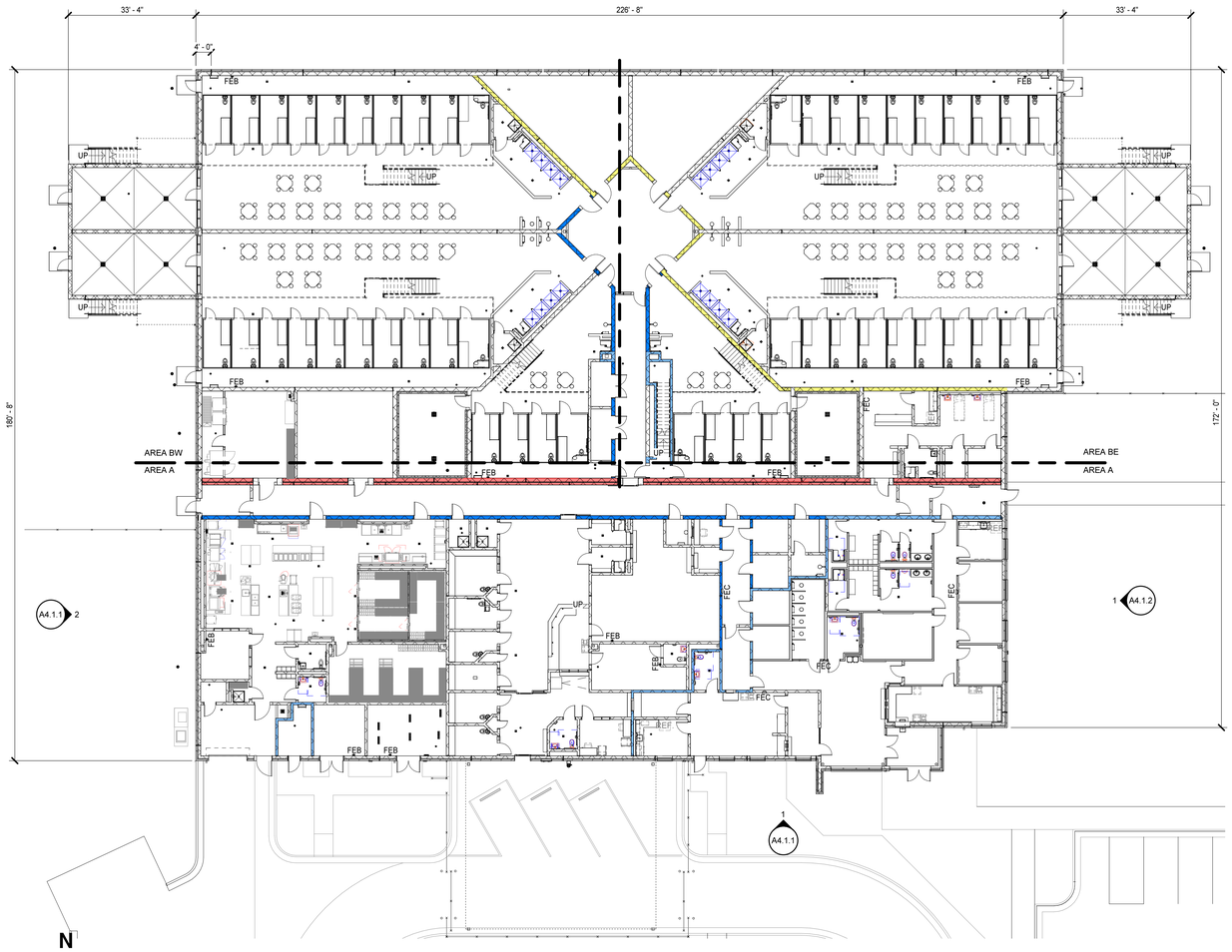
TIER LEVEL FLOOR PLAN - BASE BID - OVERALL

1/16" = 1'-0"

0' 4' 8' 16' 32'

1/16" = 1'-0"

A4.1.1
3



N

LEVEL ONE FLOOR PLAN - BASE BID - OVERALL

1/16" = 1'-0"

0' 4' 8' 16' 32'

1/16" = 1'-0"

MOSELEYARCHITECTS

6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS
REGISTERED ARCHITECT
11547
NORTH CAROLINA
CHARLOTTE, NC
12/12/23

MOSELEY ARCHITECTS, P.A.
REGISTERED ARCHITECTURAL CORPORATION
50149
NORTH CAROLINA
CHARLOTTE, NC

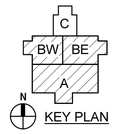
DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE:
621373	December 12, 2023

REVISIONS

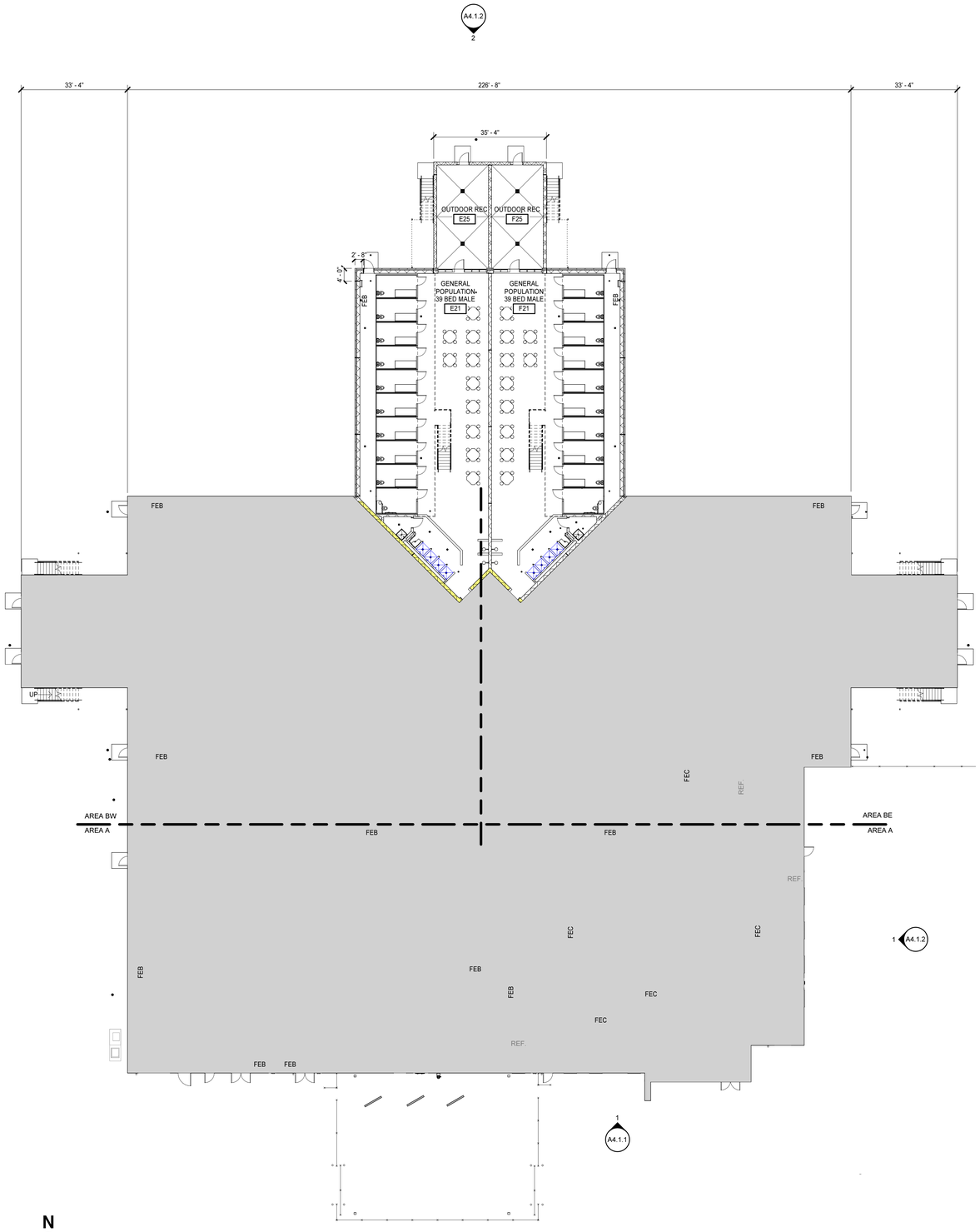
DATE	DESCRIPTION



OVERALL FLOOR PLAN - BASE BID

A2.0.1

12/13/2023 9:45:09 AM



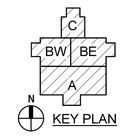
N

LEVEL ONE FLOOR PLAN - ADD ALTERNATE - OVERALL

1/16" = 1'-0"

0' 4' 8' 16' 32'

1/16" = 1'-0"



KEY PLAN

12/13/2023 9:45:16 AM

MOSELEY ARCHITECTS

6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS
REGISTERED ARCHITECT
11547
NORTH CAROLINA
CHARLOTTE, NC
12/12/23

MOSELEY ARCHITECTS, P.A.
REGISTERED ARCHITECTURAL CORPORATION
50149
NORTH CAROLINA
CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

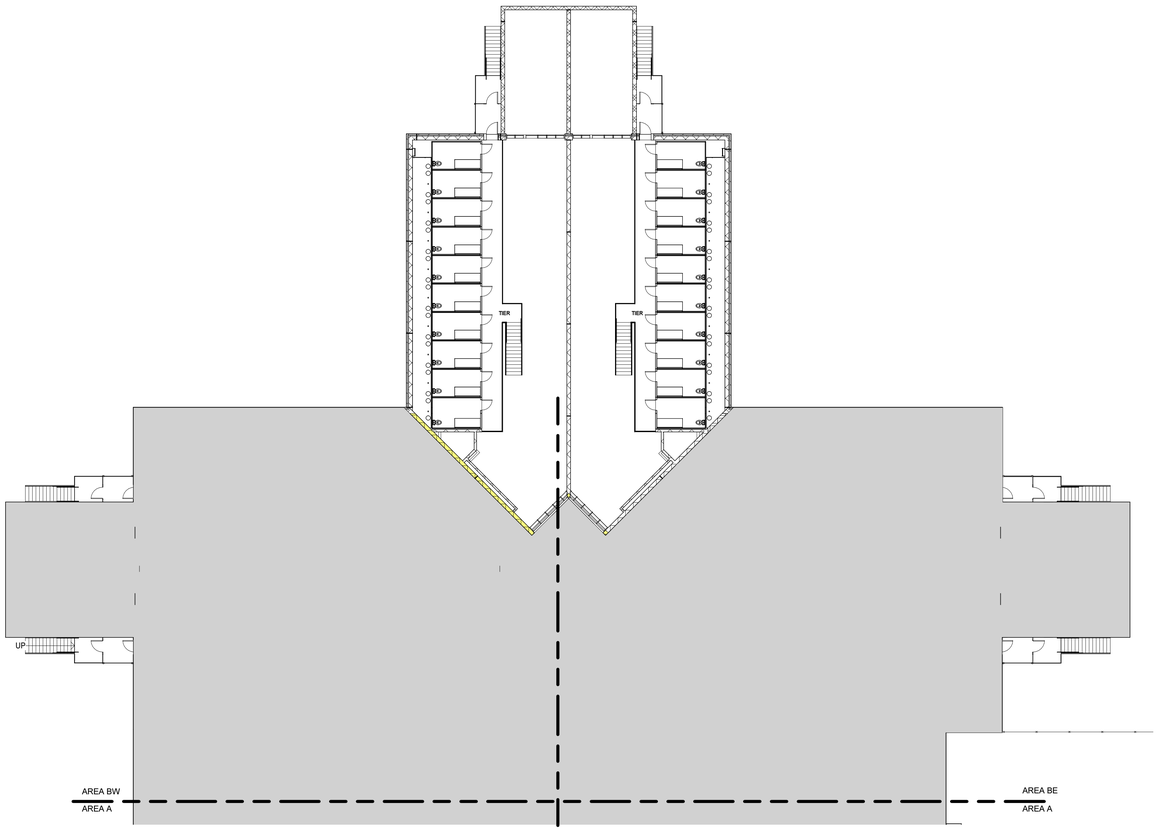
PROJECT NO:	DATE:
521373	December 12, 2023

REVISIONS

DATE	DESCRIPTION

OVERALL FLOOR PLAN - ADD ALTERNATE

A2.0.2



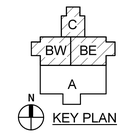
N

TIER LEVEL FLOOR PLAN - ADD ALTERNATE - OVERALL

1/16" = 1'-0"

0' 2' 4' 8' 16'

1/8" = 1'-0"



KEY PLAN

MOSELEY ARCHITECTS

6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS
REGISTERED ARCHITECT
11547
NORTH CAROLINA
CHARLOTTE, NC
12/12/23

MOSELEY ARCHITECTS, P.C.
REGISTERED ARCHITECTURAL CORPORATION
50149
NORTH CAROLINA
CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE:
621373	December 12, 2023

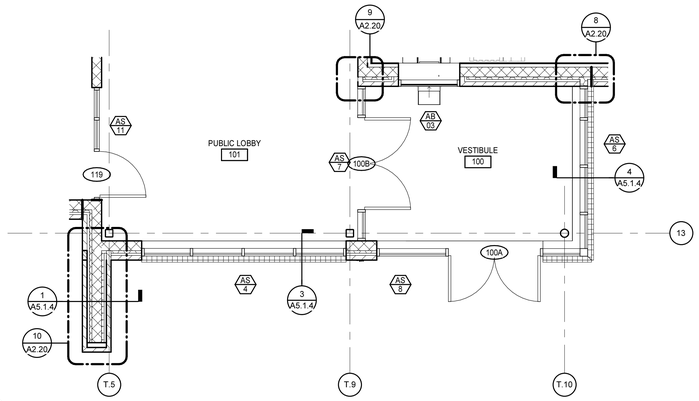
REVISIONS

DATE	DESCRIPTION

OVERALL FLOOR PLAN - TIER LEVEL - ADD ALTERNATE

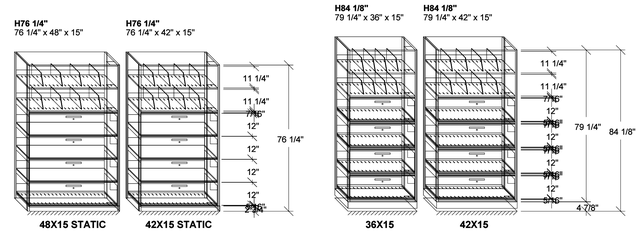
A2.0.3

12/13/2023 9:45:20 AM



2 A2.1.0 A2.1.0 **ENLARGED FLOOR PLAN - ENTRY VESTIBULE**

1/4" = 1'-0"



SHELVING SYSTEM - RECORDS/OFFICE

NO SCALE



SHELVING SYSTEM - PROPERTY STORAGE

NO SCALE

FLOOR PLAN GENERAL NOTES

A. PROVIDE CONT SEALANT AT ALL DOOR FRAMES WHERE GYP BOARD AND FRAMES MEET BEFORE PAINTING OCCURS.

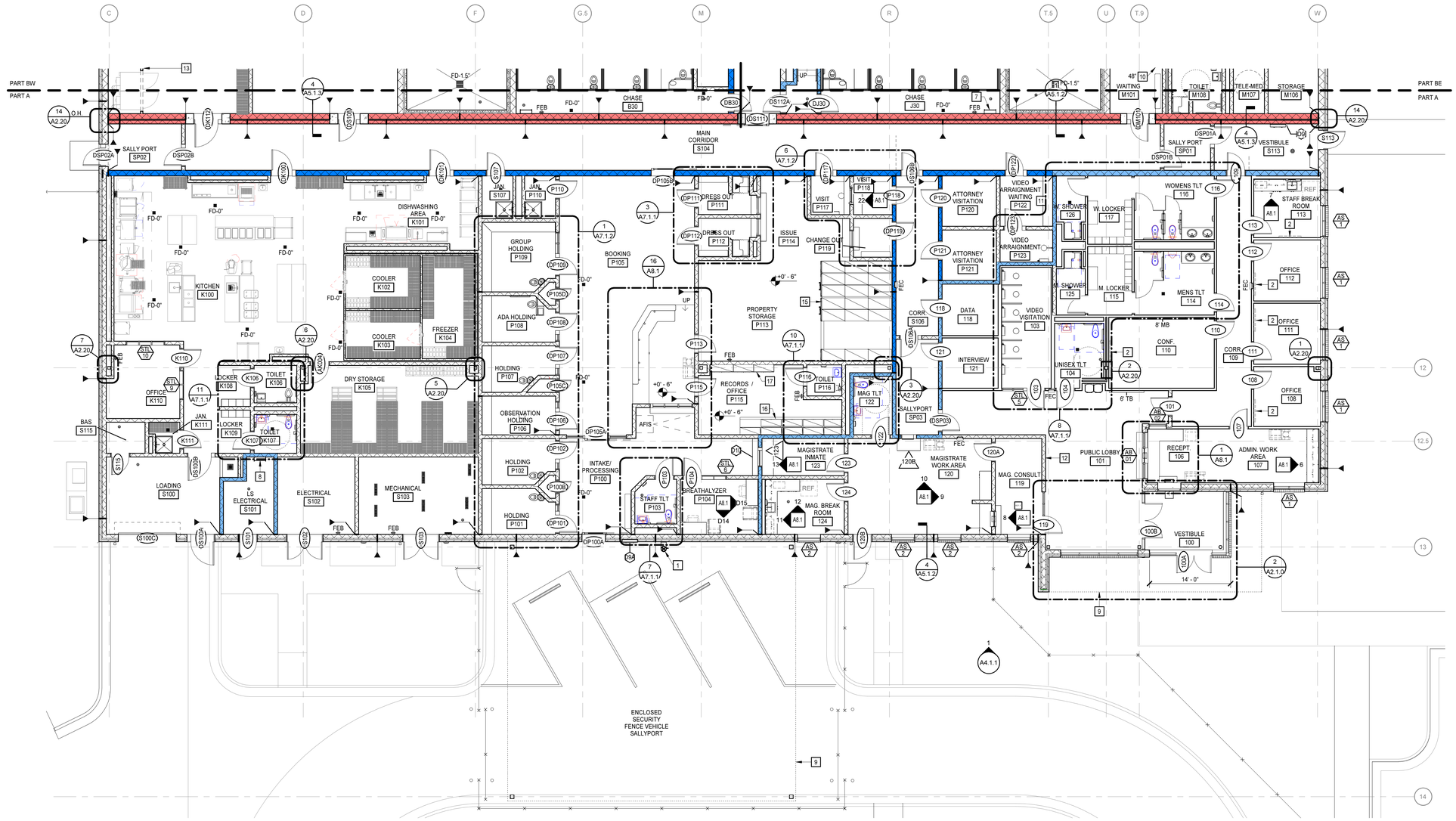
B. PROVIDE PAINTED METAL FINISH ON ALL CEILING AND WALL ACCESS PANELS FOR ACCESS TO MECHANICAL, PLUMBING, AND ELECTRICAL SPACES.

C. "MIN" FOR DIMENSIONS INDICATES MINIMUM ACCEPTABLE DIMENSION. IF "MIN" DIMENSIONS FALL SHORT OF WHAT IS INDICATED ON DRAWINGS, G.C. SHALL NOTIFY ARCHITECT IMMEDIATELY SO AS TO NOT DELAY THE PROJECT.

FLOOR PLAN KEYNOTES

REPRESENTED BY ◇

1	EMERGENCY EYEWASH - REFERENCE P-SERIES DRAWINGS
2	TV BRACKET LOCATION - MOUNT AT 66" AFF TO CENTER OF SCREEN.
3	INMATE PHONE LOCATION (N.I.C)
4	KIOSK (N.I.C)
5	TV BRACKET LOCATION - MOUNT AT 152" AFF TO CENTER OF SCREEN.
6	5'x5' CONCRETE PAD
7	WALL MOUNTED STEEL LADDER
8	ROOF LADDER
9	LINE OF ROOF ABOVE
10	LOW WALL - REFER TO DETAIL 3/A5.2.1
11	CONCRETE BENCH - REFER TO DETAIL 4/A5.2.1
12	TV BRACKET LOCATION - MOUNT AT 72" AFF TO CENTER OF SCREEN.
13	INSULATED WALL TO ROOF DECK ABOVE
14	CURTAIN - CEILING MOUNTED
15	MOBILE STORAGE SHELVING SYSTEM - REFER TO ELEVATION ON A2.1.0.
16	MOBILE BI-FILE STORAGE SHELVING SYSTEM - REFER TO ELEVATION ON A2.1.0.
17	STATIC FILE STORAGE SHELVING PROVIDED BY MOBILE STORAGE MANUFACTURER - REFER TO ELEVATION ON A2.1.0.



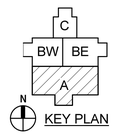
N

FIRST FLOOR PLAN - PART A

1/8" = 1'-0"

0' 2' 4' 8' 16'

1/8" = 1'-0"



MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS
REGISTERED ARCHITECT
11547
NORTH CAROLINA
CHARLOTTE, NC
12/12/23

MOSELEY ARCHITECTS, P.A.
CORPORATION
50149
NORTH CAROLINA
CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE:
621373	December 12, 2023

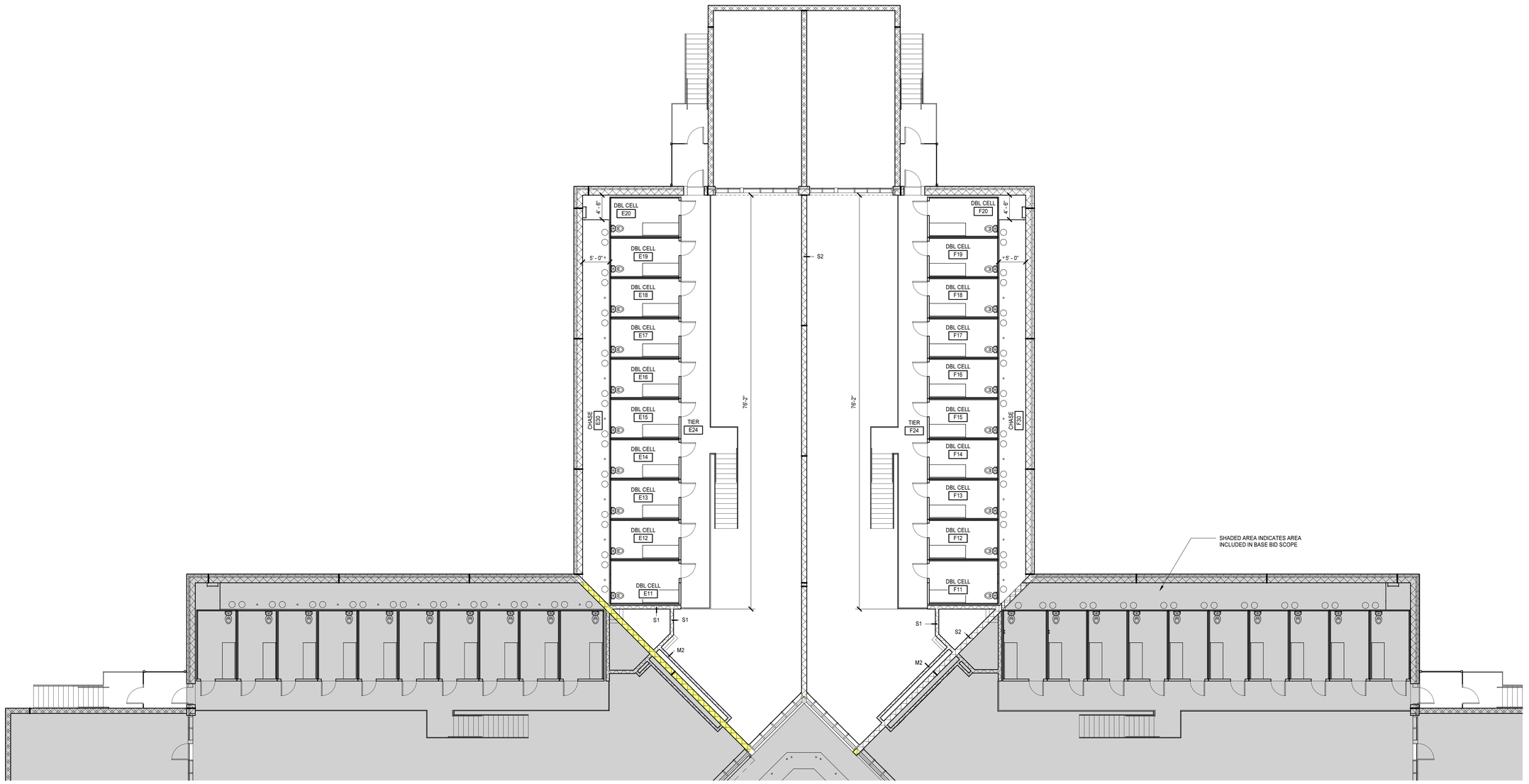
REVISIONS

DATE	DESCRIPTION

FLOOR PLAN - PART A

A2.1.0

12/13/2023 9:45:30 AM



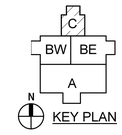
N

TIER LEVEL DIMENSION FLOOR PLAN - PART C - ADD ALTERNATE

1/8" = 1'-0"

0' 2' 4' 8' 16'

1/8" = 1'-0"



KEY PLAN

MOSELEY ARCHITECTS

6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS
REGISTERED ARCHITECT
11547
NORTH CAROLINA
CHARLOTTE, NC
12/12/23

MOSELEY ARCHITECTS, P.A.
REGISTERED CORPORATION
50149
NORTH CAROLINA
CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE:
621373	December 12, 2023

REVISIONS

DATE	DESCRIPTION

DIMENSION PLAN - PART C - TIER LEVEL - ADD ALT

A2.10

12/13/2023 9:45:37 AM

FLOOR PLAN GENERAL NOTES

A. PROVIDE CONT SEALANT AT ALL DOOR FRAMES WHERE GYP BOARD AND FRAMES MEET BEFORE PAINTING OCCURS.

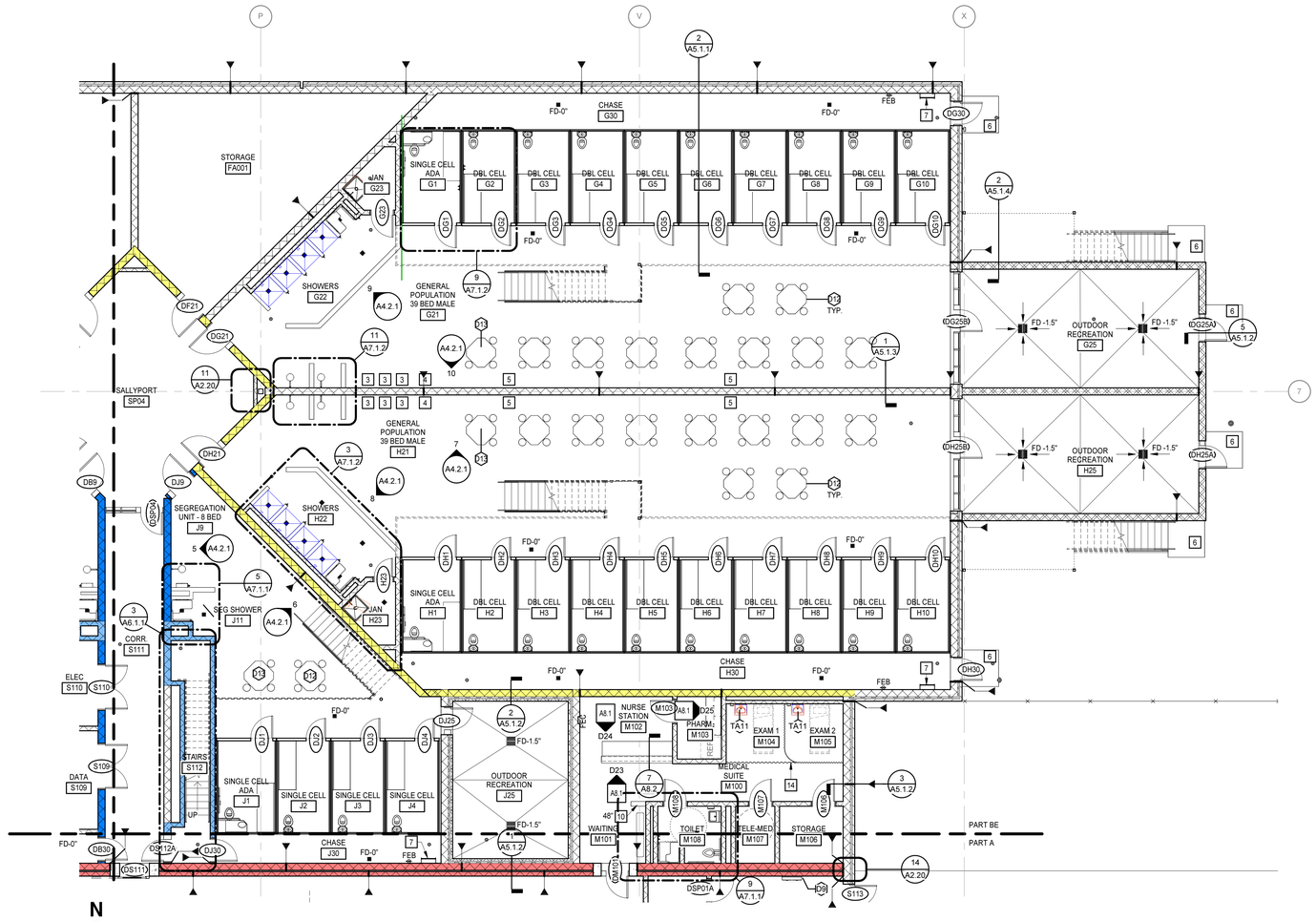
B. PROVIDE PAINTED METAL FINISH ON ALL CEILING AND WALL ACCESS PANELS FOR ACCESS TO MECHANICAL, PLUMBING, AND ELECTRICAL SPACES.

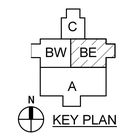
C. "MIN" FOR DIMENSIONS INDICATES MINIMUM ACCEPTABLE DIMENSION. IF "MIN" DIMENSIONS FALL SHORT OF WHAT IS INDICATED ON DRAWINGS, G.C. SHALL NOTIFY ARCHITECT IMMEDIATELY SO AS TO NOT DELAY THE PROJECT.

FLOOR PLAN KEYNOTES

REPRESENTED BY [x]

1	EMERGENCY EYEWASH - REFERENCE P-SERIES DRAWINGS
2	TV BRACKET LOCATION - MOUNT AT 66" AFF TO CENTER OF SCREEN.
3	INMATE PHONE LOCATION (N.I.C)
4	KIOSK (N.I.C)
5	TV BRACKET LOCATION - MOUNT AT 152" AFF TO CENTER OF SCREEN.
6	5'x5' CONCRETE PAD
7	WALL MOUNTED STEEL LADDER
8	ROOF LADDER
9	LINE OF ROOF ABOVE
10	LOW WALL- REFER TO DETAIL 3/A5.2.1
11	CONCRETE BENCH - REFER TO DETAIL 4/A5.2.1
12	TV BRACKET LOCATION - MOUNT AT 72" AFF TO CENTER OF SCREEN.
13	INSULATED WALL TO ROOF DECK ABOVE
14	CURTAIN - CEILING MOUNTED
15	MOBILE STORAGE SHELVING SYSTEM - REFER TO ELEVATION ON A2.1.0.
16	MOBILE BI-FILE STORAGE SHELVING SYSTEM - REFER TO ELEVATION ON A2.1.0.
17	STATIC FILE STORAGE SHELVING PROVIDED BY MOBILE STORAGE MANUFACTURER - REFER TO ELEVATION ON A2.1.0.





MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS
REGISTERED ARCHITECT
11547
NORTH CAROLINA
CHARLOTTE, NC
12/12/23

MOSELEY ARCHITECTS, P.A.
NORTH CAROLINA
CORPORATION
50149
CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO: 621373	DATE: December 12, 2023
REVISIONS	
DATE	DESCRIPTION

FLOOR PLAN - PART BE - LEVEL ONE - BASE BID

A2.2.0

12/13/2023 9:45:44 AM

FLOOR PLAN GENERAL NOTES

A. PROVIDE CONT SEALANT AT ALL DOOR FRAMES WHERE GYP BOARD AND FRAMES MEET BEFORE PAINTING OCCURS.

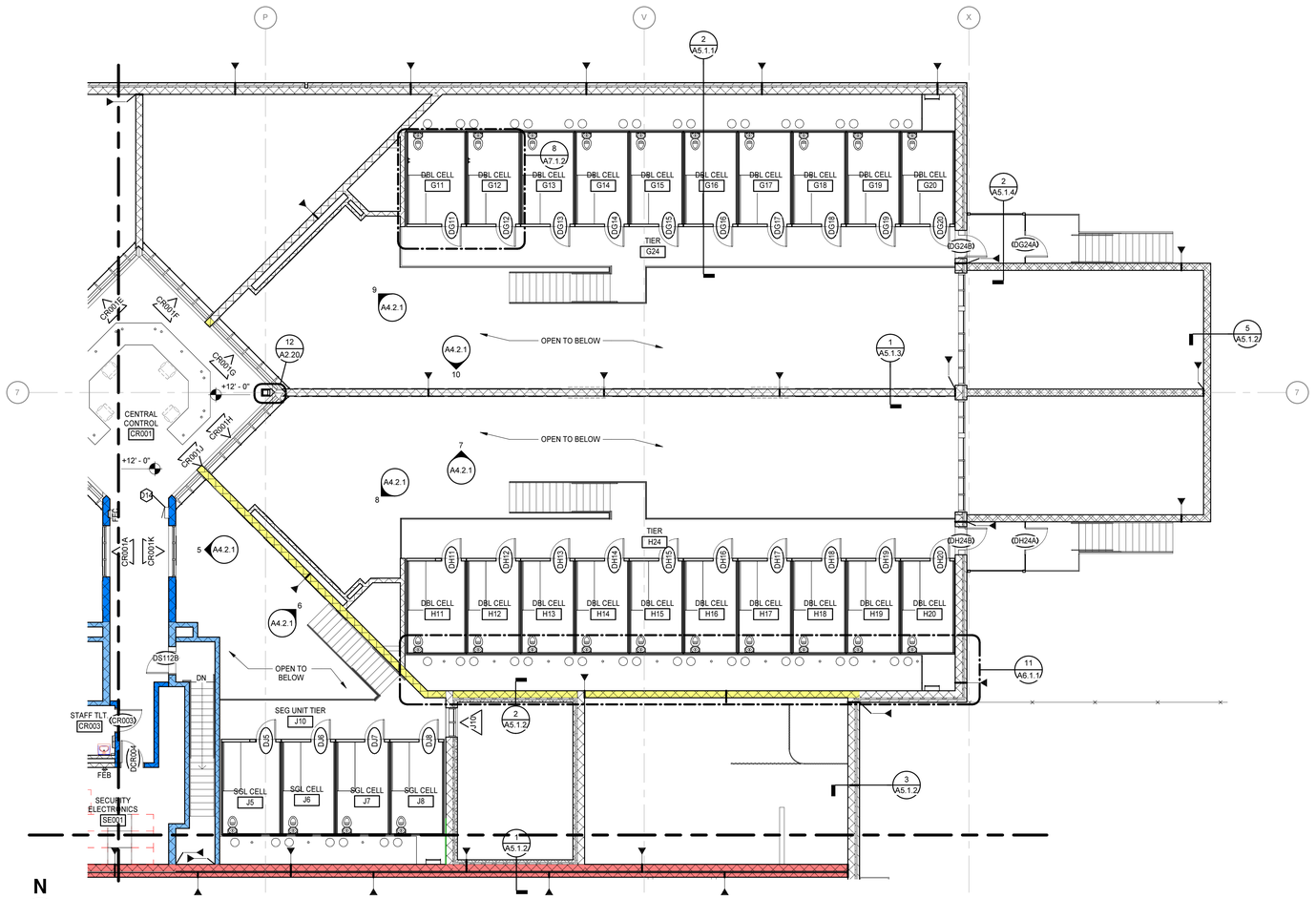
B. PROVIDE PAINTED METAL FINISH ON ALL CEILING AND WALL ACCESS PANELS FOR ACCESS TO MECHANICAL, PLUMBING, AND ELECTRICAL SPACES.

C. "MIN" FOR DIMENSIONS INDICATES MINIMUM ACCEPTABLE DIMENSION. IF "MIN" DIMENSIONS FALL SHORT OF WHAT IS INDICATED ON DRAWINGS, G.C. SHALL NOTIFY ARCHITECT IMMEDIATELY SO AS TO NOT DELAY THE PROJECT.

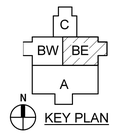
FLOOR PLAN KEYNOTES

REPRESENTED BY ⟨x⟩

1	EMERGENCY EYEWASH - REFERENCE P-SERIES DRAWINGS
2	TV BRACKET LOCATION - MOUNT AT 66" AFF TO CENTER OF SCREEN.
3	INMATE PHONE LOCATION (N.I.C)
4	KIOSK (N.I.C)
5	TV BRACKET LOCATION - MOUNT AT 152" AFF TO CENTER OF SCREEN.
6	5'x5' CONCRETE PAD
7	WALL MOUNTED STEEL LADDER
8	ROOF LADDER
9	LINE OF ROOF ABOVE
10	LOW WALL- REFER TO DETAIL 3/A5.2.1
11	CONCRETE BENCH - REFER TO DETAIL 4/A5.2.1
12	TV BRACKET LOCATION - MOUNT AT 72" AFF TO CENTER OF SCREEN.
13	INSULATED WALL TO ROOF DECK ABOVE
14	CURTAIN - CEILING MOUNTED
15	MOBILE STORAGE SHELVING SYSTEM - REFER TO ELEVATION ON A2.1.0.
16	MOBILE BI-FILE STORAGE SHELVING SYSTEM - REFER TO ELEVATION ON A2.1.0.
17	STATIC FILE STORAGE SHELVING PROVIDED BY MOBILE STORAGE MANUFACTURER - REFER TO ELEVATION ON A2.1.0.



TIER LEVEL FLOOR PLAN - PART BE
1/8" = 1'-0"



KEY PLAN

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS
REGISTERED ARCHITECT
11547
NORTH CAROLINA
CHARLOTTE, NC
12/12/23

MOSELEY ARCHITECTS, P.A.
REGISTERED ARCHITECTURAL CORPORATION
50149
NORTH CAROLINA
CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO:	DATE:
621373	December 12, 2023

REVISIONS

DATE	DESCRIPTION

FLOOR PLAN - PART BE - TIER LEVEL - BASE BID

A2.2.1

12/13/2023 9:45:48 AM

FLOOR PLAN GENERAL NOTES

A. PROVIDE CONT SEALANT AT ALL DOOR FRAMES WHERE GYP BOARD AND FRAMES MEET BEFORE PAINTING OCCURS.

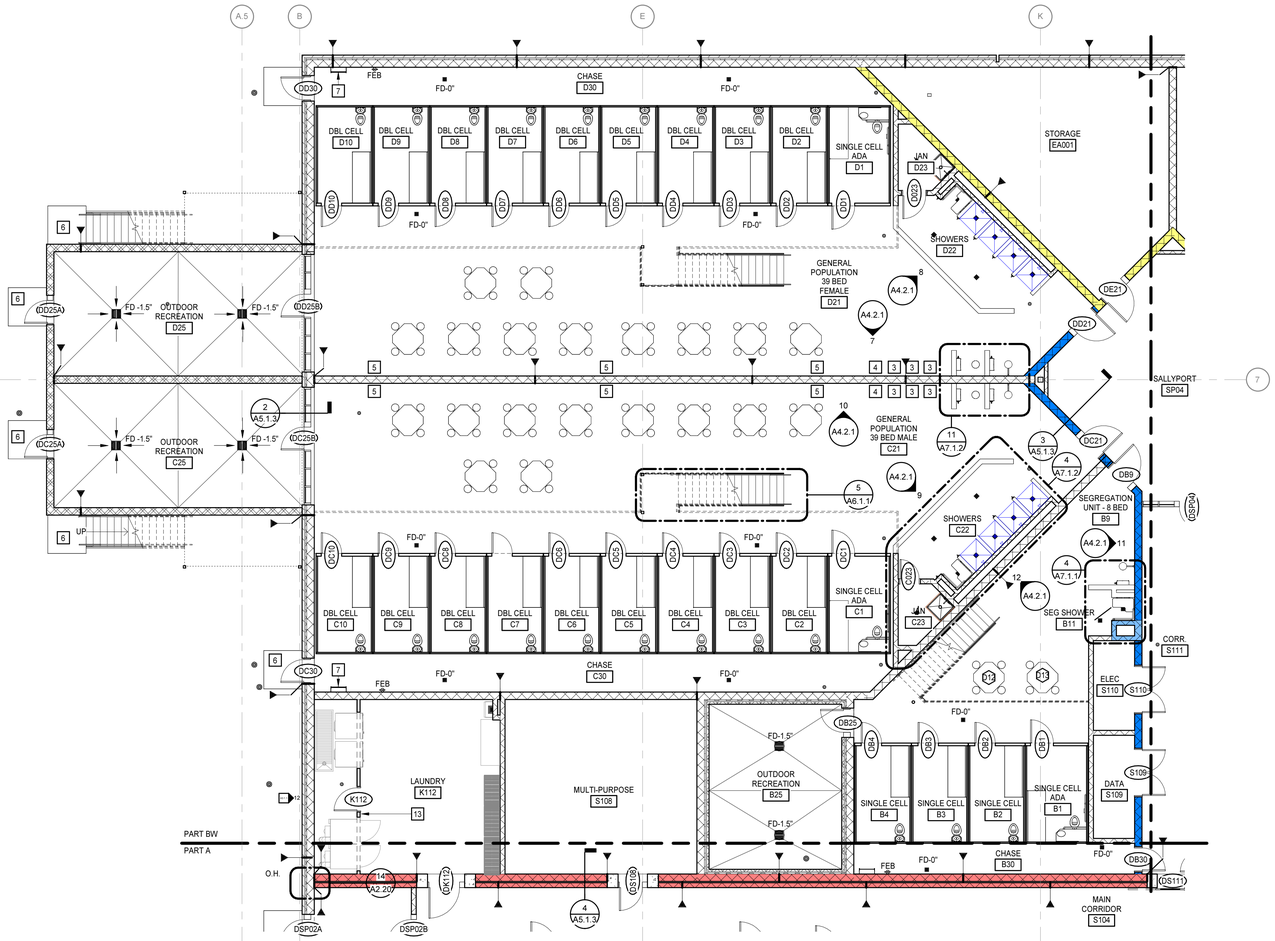
B. PROVIDE PAINTED METAL FINISH ON ALL CEILING AND WALL ACCESS PANELS FOR ACCESS TO MECHANICAL, PLUMBING, AND ELECTRICAL SPACES.

C. "MIN" FOR DIMENSIONS INDICATES MINIMUM ACCEPTABLE DIMENSION. IF "MIN" DIMENSIONS FALL SHORT OF WHAT IS INDICATED ON DRAWINGS, G.C. SHALL NOTIFY ARCHITECT IMMEDIATELY SO AS TO NOT DELAY THE PROJECT.

FLOOR PLAN KEYNOTES

REPRESENTED BY [x]

1	EMERGENCY EYEWASH - REFERENCE P-SERIES DRAWINGS
2	TV BRACKET LOCATION - MOUNT AT 66" AFF TO CENTER OF SCREEN.
3	INMATE PHONE LOCATION (N.I.C)
4	KIOSK (N.I.C)
5	TV BRACKET LOCATION - MOUNT AT 152" AFF TO CENTER OF SCREEN.
6	5'x5' CONCRETE PAD
7	WALL MOUNTED STEEL LADDER
8	ROOF LADDER
9	LINE OF ROOF ABOVE
10	LOW WALL- REFER TO DETAIL 3/A5.2.1
11	CONCRETE BENCH - REFER TO DETAIL 4/A5.2.1
12	TV BRACKET LOCATION - MOUNT AT 72" AFF TO CENTER OF SCREEN.
13	INSULATED WALL TO ROOF DECK ABOVE
14	CURTAIN - CEILING MOUNTED
15	MOBILE STORAGE SHELVING SYSTEM - REFER TO ELEVATION ON A2.1.0.
16	MOBILE BI-FILE STORAGE SHELVING SYSTEM - REFER TO ELEVATION ON A2.1.0.
17	STATIC FILE STORAGE SHELVING PROVIDED BY MOBILE STORAGE MANUFACTURER - REFER TO ELEVATION ON A2.1.0.



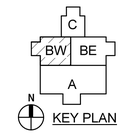
N

FIRST FLOOR PLAN - PART BW

1/8" = 1'-0"

0' 2' 4' 8' 16'

1/8" = 1'-0"



KEY PLAN

MOSELEY ARCHITECTS

6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS
REGISTERED ARCHITECT
11547
NORTH CAROLINA
CHARLOTTE, NC
12/12/23

MOSELEY ARCHITECTS, P.A.
CHARLOTTE, NORTH CAROLINA
CORPORATION
50149

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE:
621373	December 12, 2023

REVISIONS

DATE	DESCRIPTION

FLOOR PLAN - PART BW - LEVEL ONE - BASE BID

A2.2.2

12/13/2023 9:45:54 AM

FLOOR PLAN GENERAL NOTES

A. PROVIDE CONT SEALANT AT ALL DOOR FRAMES WHERE GYP BOARD AND FRAMES MEET BEFORE PAINTING OCCURS.

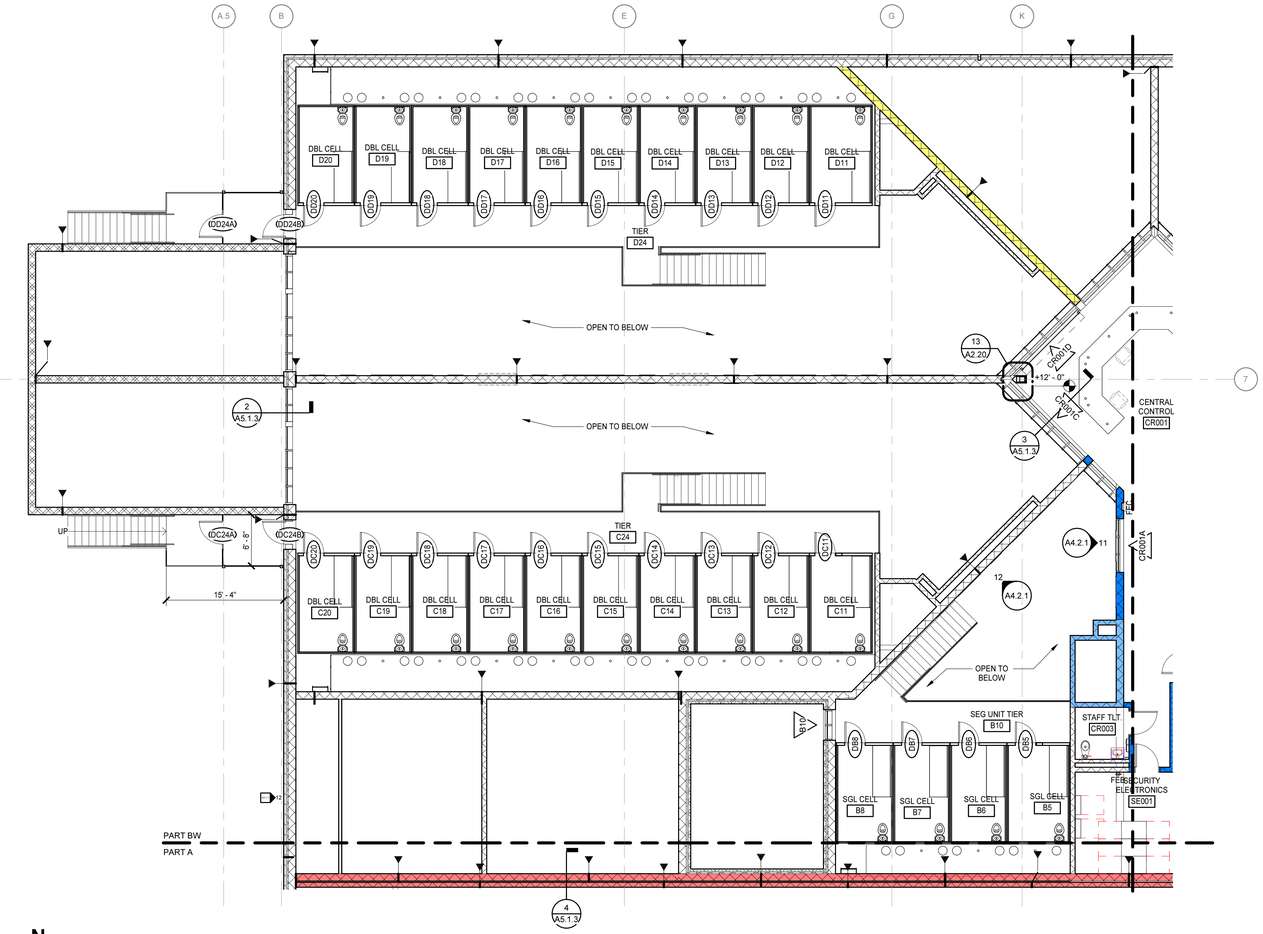
B. PROVIDE PAINTED METAL FINISH ON ALL CEILING AND WALL ACCESS PANELS FOR ACCESS TO MECHANICAL, PLUMBING, AND ELECTRICAL SPACES.

C. "MIN" FOR DIMENSIONS INDICATES MINIMUM ACCEPTABLE DIMENSION. IF "MIN" DIMENSIONS FALL SHORT OF WHAT IS INDICATED ON DRAWINGS, G.C. SHALL NOTIFY ARCHITECT IMMEDIATELY SO AS TO NOT DELAY THE PROJECT.

FLOOR PLAN KEYNOTES

REPRESENTED BY ⟨x⟩

1	EMERGENCY EYEWASH - REFERENCE P-SERIES DRAWINGS
2	TV BRACKET LOCATION - MOUNT AT 66" AFF TO CENTER OF SCREEN.
3	INMATE PHONE LOCATION (N.I.C)
4	KIOSK (N.I.C)
5	TV BRACKET LOCATION - MOUNT AT 152" AFF TO CENTER OF SCREEN.
6	5'x5' CONCRETE PAD
7	WALL MOUNTED STEEL LADDER
8	ROOF LADDER
9	LINE OF ROOF ABOVE
10	LOW WALL- REFER TO DETAIL 3/A5.2.1
11	CONCRETE BENCH - REFER TO DETAIL 4/A5.2.1
12	TV BRACKET LOCATION - MOUNT AT 72" AFF TO CENTER OF SCREEN.
13	INSULATED WALL TO ROOF DECK ABOVE
14	CURTAIN - CEILING MOUNTED
15	MOBILE STORAGE SHELVING SYSTEM - REFER TO ELEVATION ON A2.1.0.
16	MOBILE BI-FILE STORAGE SHELVING SYSTEM - REFER TO ELEVATION ON A2.1.0.
17	STATIC FILE STORAGE SHELVING PROVIDED BY MOBILE STORAGE MANUFACTURER - REFER TO ELEVATION ON A2.1.0.



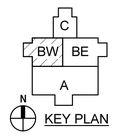
N

TIER LEVEL FLOOR PLAN - PART BW

1/8" = 1'-0"

0' 2' 4' 8' 16'

1/8" = 1'-0"



KEY PLAN

MOSELEY ARCHITECTS

6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS REGISTERED ARCHITECT 11547 NORTH CAROLINA CHARLOTTE, NC

12/12/23

MOSELEY ARCHITECTS P.A. NORTH CAROLINA CORPORATION 50149 CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE
621373	December 12, 2023

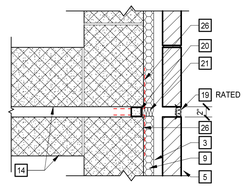
REVISIONS

DATE	DESCRIPTION

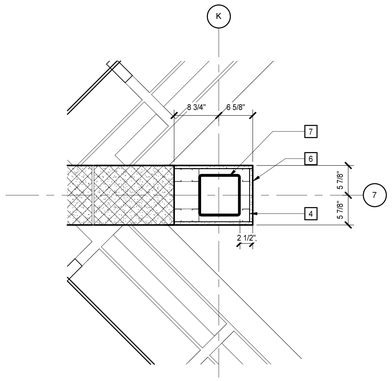
FLOOR PLAN - PART BW - TIER LEVEL - BASE BID

A2.2.3

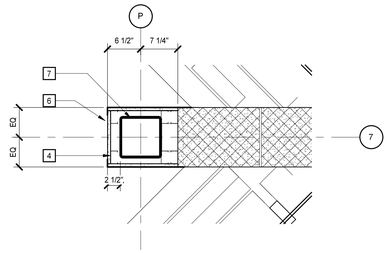
12/13/2023 9:45:58 AM



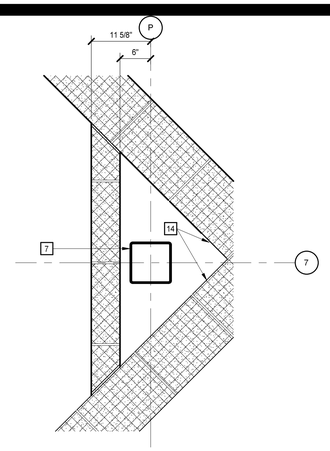
14 PLAN DETAIL
A2.1.0 A2.20 — 1" = 1'-0"



13 PLAN DETAIL
A2.2.3 A2.20 — 1" = 1'-0"



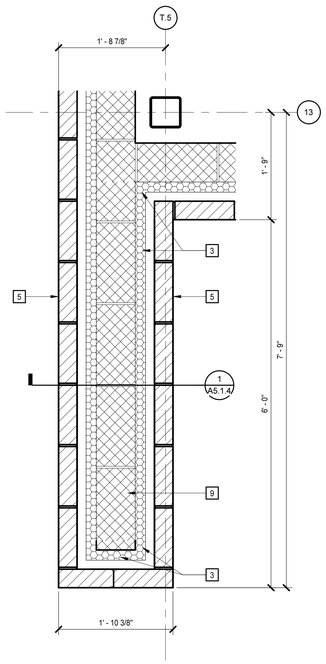
12 PLAN DETAIL
A2.2.1 A2.20 — 1" = 1'-0"



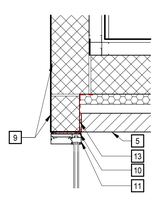
11 PLAN DETAIL
A2.2.0 A2.20 — 1" = 1'-0"

PLAN DETAIL KEYNOTES
REPRESENTED BY [x]

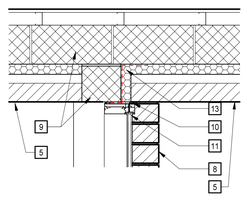
1	ROOF DRAIN LEADER PER P-SERIES
2	SOUND BATT
3	SPRAY FOAM INSULATION / AIR BARRIER - CONTINUOUS
4	CFSF-NS
5	FACE BRICK - UTILITY SIZE - COLOR 1
6	5/8" GWB
7	STRUCTURAL STEEL PER S-SERIES
8	BRICK ROWLOCK SILL. MIN 15% SLOPE.
9	4", 6", 8", OR 12" CMU PER WALL TYPE
10	SEALANT AND BACKER ROD
11	ALUMINUM STOREFRONT SYSTEM
13	FLUID APPLIED FLASHING
14	RATED CMU WALL. SEE FLOOR PLAN FOR WALL TAG
19	WALL EXPANSION JOINT COVER. PROVIDE TAMPER RESISTANT IN INMATE AREAS
20	COMPRESSIBLE WALL SEAL
21	COMPRESSIBLE INSULATION
22	CONTROL JOINT
26	FLUID APPLIED FLASHING



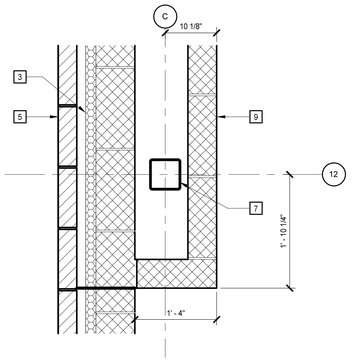
10 PLAN DETAIL
A2.1.0 A2.20 — 1" = 1'-0"



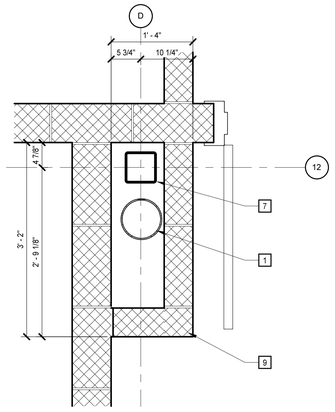
9 PLAN DETAIL
A2.1.0 A2.20 — 1" = 1'-0"



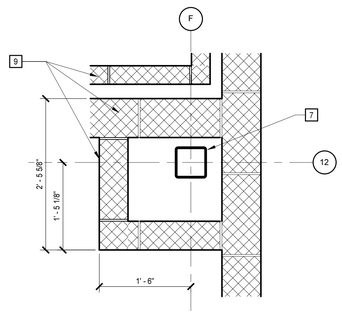
8 PLAN DETAIL
A2.1.0 A2.20 — 1" = 1'-0"



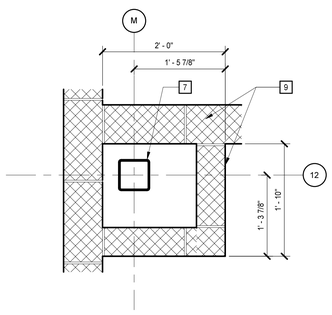
7 PLAN DETAIL
A2.1.0 A2.20 — 1" = 1'-0"



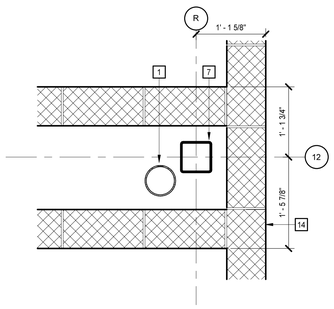
6 PLAN DETAIL
A2.1.0 A2.20 — 1" = 1'-0"



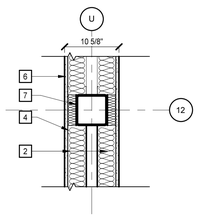
5 PLAN DETAIL
A2.1.0 A2.20 — 1" = 1'-0"



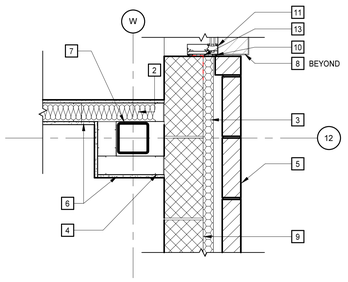
4 PLAN DETAIL
A8.1 A2.20 — 1" = 1'-0"



3 PLAN DETAIL
A2.1.0 A2.20 — 1" = 1'-0"



2 PLAN DETAIL
A2.1.0 A2.20 — 1" = 1'-0"



1 PLAN DETAIL
A2.1.0 A2.20 — 1" = 1'-0"

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS
REGISTERED ARCHITECT
11547
NORTH CAROLINA
CHARLOTTE, NC
12/12/23

MOSELEY ARCHITECTS, P.A.
NORTH CAROLINA CORPORATION
50149
NORTH CAROLINA
CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE:
621373	December 12, 2023

REVISIONS

DATE	DESCRIPTION

PLAN DETAILS

A2.20

12/13/2023 9:46:06 AM

FLOOR PLAN GENERAL NOTES

A. PROVIDE CONT SEALANT AT ALL DOOR FRAMES WHERE GYP BOARD AND FRAMES MEET BEFORE PAINTING OCCURS.

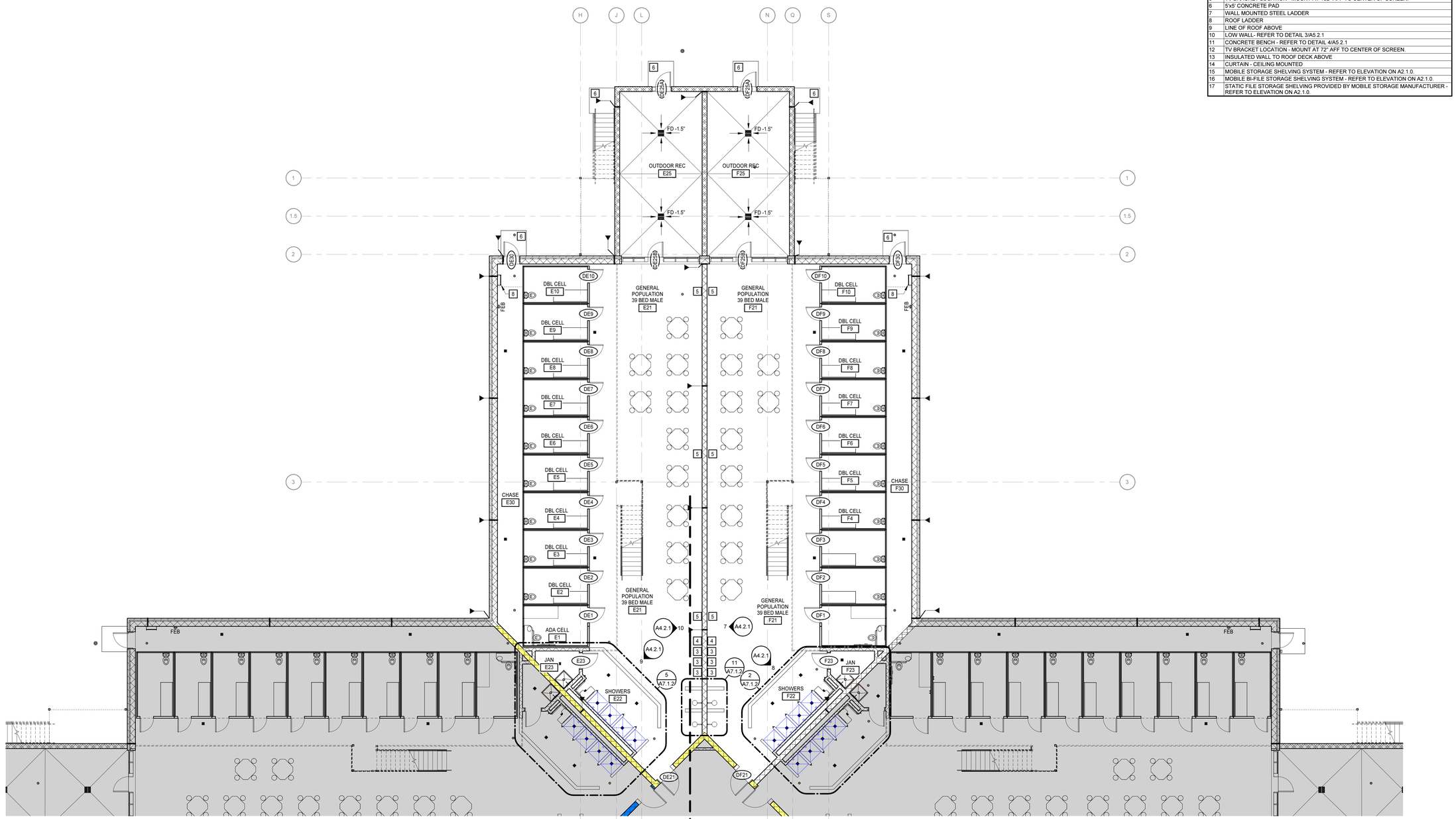
B. PROVIDE PAINTED METAL FINISH ON ALL CEILING AND WALL ACCESS PANELS FOR ACCESS TO MECHANICAL, PLUMBING, AND ELECTRICAL SPACES.

C. "MIN" FOR DIMENSIONS INDICATES MINIMUM ACCEPTABLE DIMENSION. IF "MIN" DIMENSIONS FALL SHORT OF WHAT IS INDICATED ON DRAWINGS, G.C. SHALL NOTIFY ARCHITECT IMMEDIATELY SO AS TO NOT DELAY THE PROJECT.

FLOOR PLAN KEYNOTES

REPRESENTED BY ⟨x⟩

1	EMERGENCY EYEWASH - REFERENCE P-SERIES DRAWINGS
2	TV BRACKET LOCATION - MOUNT AT 66" AFF TO CENTER OF SCREEN.
3	INMATE PHONE LOCATION (N.I.C)
4	KIOSK (N.I.C)
5	TV BRACKET LOCATION - MOUNT AT 152" AFF TO CENTER OF SCREEN.
6	5'x5' CONCRETE PAD
7	WALL MOUNTED STEEL LADDER
8	ROOF LADDER
9	LINE OF ROOF ABOVE
10	LOW WALL- REFER TO DETAIL 3/A5.2.1
11	CONCRETE BENCH - REFER TO DETAIL 4/A5.2.1
12	TV BRACKET LOCATION - MOUNT AT 72" AFF TO CENTER OF SCREEN.
13	INSULATED WALL TO ROOF DECK ABOVE
14	CURTAIN - CEILING MOUNTED
15	MOBILE STORAGE SHELVING SYSTEM - REFER TO ELEVATION ON A2.1.0.
16	MOBILE BI-FILE STORAGE SHELVING SYSTEM - REFER TO ELEVATION ON A2.1.0.
17	STATIC FILE STORAGE SHELVING PROVIDED BY MOBILE STORAGE MANUFACTURER - REFER TO ELEVATION ON A2.1.0.



N

FIRST FLOOR PLAN - ADD ALTERNATE - PART C

1/8" = 1'-0"

0' 2' 4' 8' 16'

1/8" = 1'-0"

KEY PLAN

MOSELEY ARCHITECTS

6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS — REGISTERED ARCHITECT — 11547 — NORTH CAROLINA — CHARLOTTE, NC — 12/12/23

MOSELEY ARCHITECTS, P.A. — CORPORATION — 50149 — NORTH CAROLINA — CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO: 621373
DATE: December 12, 2023

REVISIONS

DATE	DESCRIPTION

FLOOR PLAN - PART C - LEVEL ONE - ADD ALT.

A2.3.1

12/13/2023 9:46:16 AM

FLOOR PLAN GENERAL NOTES

A. PROVIDE CONT SEALANT AT ALL DOOR FRAMES WHERE GYP BOARD AND FRAMES MEET BEFORE PAINTING OCCURS.

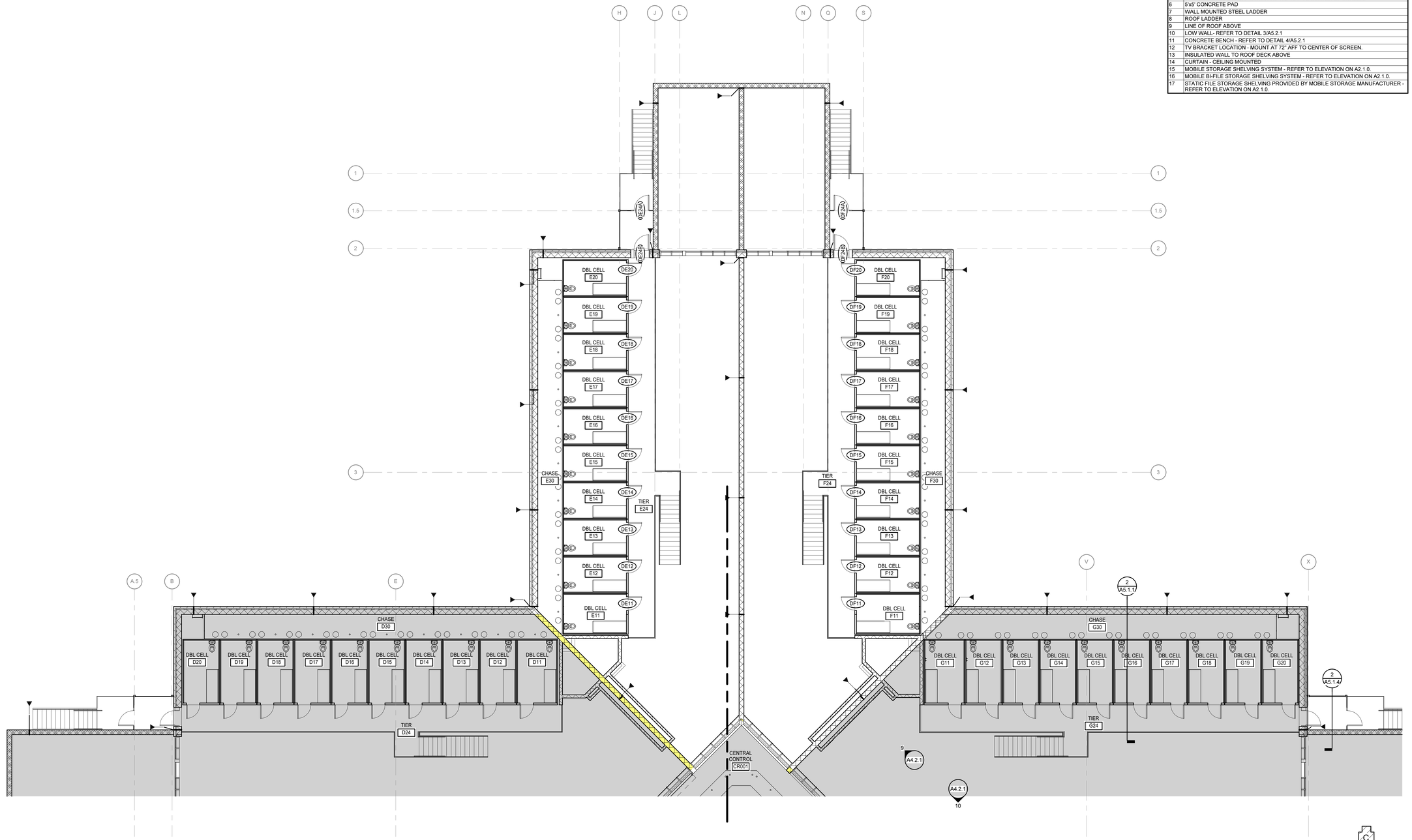
B. PROVIDE PAINTED METAL FINISH ON ALL CEILING AND WALL ACCESS PANELS FOR ACCESS TO MECHANICAL, PLUMBING, AND ELECTRICAL SPACES.

C. "MIN" FOR DIMENSIONS INDICATES MINIMUM ACCEPTABLE DIMENSION. IF "MIN" DIMENSIONS FALL SHORT OF WHAT IS INDICATED ON DRAWINGS, G.C. SHALL NOTIFY ARCHITECT IMMEDIATELY SO AS TO NOT DELAY THE PROJECT.

FLOOR PLAN KEYNOTES

REPRESENTED BY [x]

1	EMERGENCY EYEWASH - REFERENCE P-SERIES DRAWINGS
2	TV BRACKET LOCATION - MOUNT AT 66" AFF TO CENTER OF SCREEN.
3	INMATE PHONE LOCATION (N.I.C)
4	KIOSK (N.I.C)
5	TV BRACKET LOCATION - MOUNT AT 152" AFF TO CENTER OF SCREEN.
6	5'x5' CONCRETE PAD
7	WALL MOUNTED STEEL LADDER
8	ROOF LADDER
9	LINE OF ROOF ABOVE
10	LOW WALL- REFER TO DETAIL 3/A5.2.1
11	CONCRETE BENCH - REFER TO DETAIL 4/A5.2.1
12	TV BRACKET LOCATION - MOUNT AT 72" AFF TO CENTER OF SCREEN.
13	INSULATED WALL TO ROOF DECK ABOVE
14	CURTAIN - CEILING MOUNTED
15	MOBILE STORAGE SHELVING SYSTEM - REFER TO ELEVATION ON A2.1.0.
16	MOBILE BI-FILE STORAGE SHELVING SYSTEM - REFER TO ELEVATION ON A2.1.0.
17	STATIC FILE STORAGE SHELVING PROVIDED BY MOBILE STORAGE MANUFACTURER - REFER TO ELEVATION ON A2.1.0.



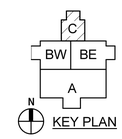
N

TIER LEVEL FLOOR PLAN - ADD ALTERNATE - PART C

1/8" = 1'-0"

0' 2' 4' 8' 16'

1/8" = 1'-0"



MOSELEY ARCHITECTS

6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS
REGISTERED ARCHITECT
11547
NORTH CAROLINA
CHARLOTTE, NC
12/12/23

MOSELEY ARCHITECTS, P.A.
CORPORATE REGISTRATION
50149
NORTH CAROLINA
CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE:
621373	December 12, 2023

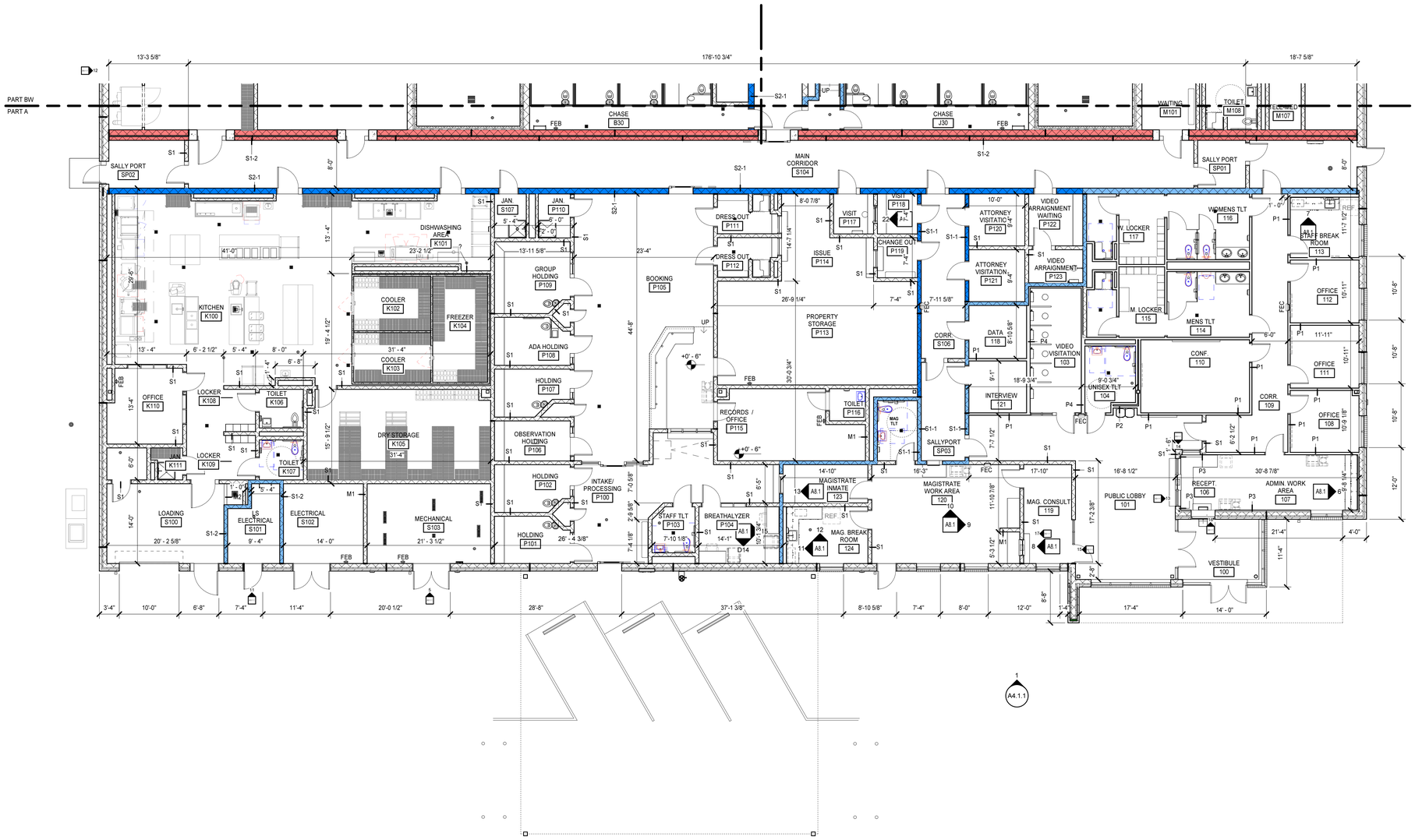
REVISIONS

DATE	DESCRIPTION

FLOOR PLAN - PART C - TIER LEVEL - ADD ALT.

A2.3.2

12/13/2023 9:46:24 AM



N

DIMENSION PLAN - PART A

1/8" = 1'-0"

0' 2' 4' 8' 16'

1/8" = 1'-0"

C
BW BE
A
N
KEY PLAN

MOSELEY ARCHITECTS

6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS
REGISTERED ARCHITECT
11547
NORTH CAROLINA
CHARLOTTE, NC
12/12/23

MOSELEY ARCHITECTS, P.C.
CORPORATE NUMBER
50149
NORTH CAROLINA
CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE:
621373	December 12, 2023

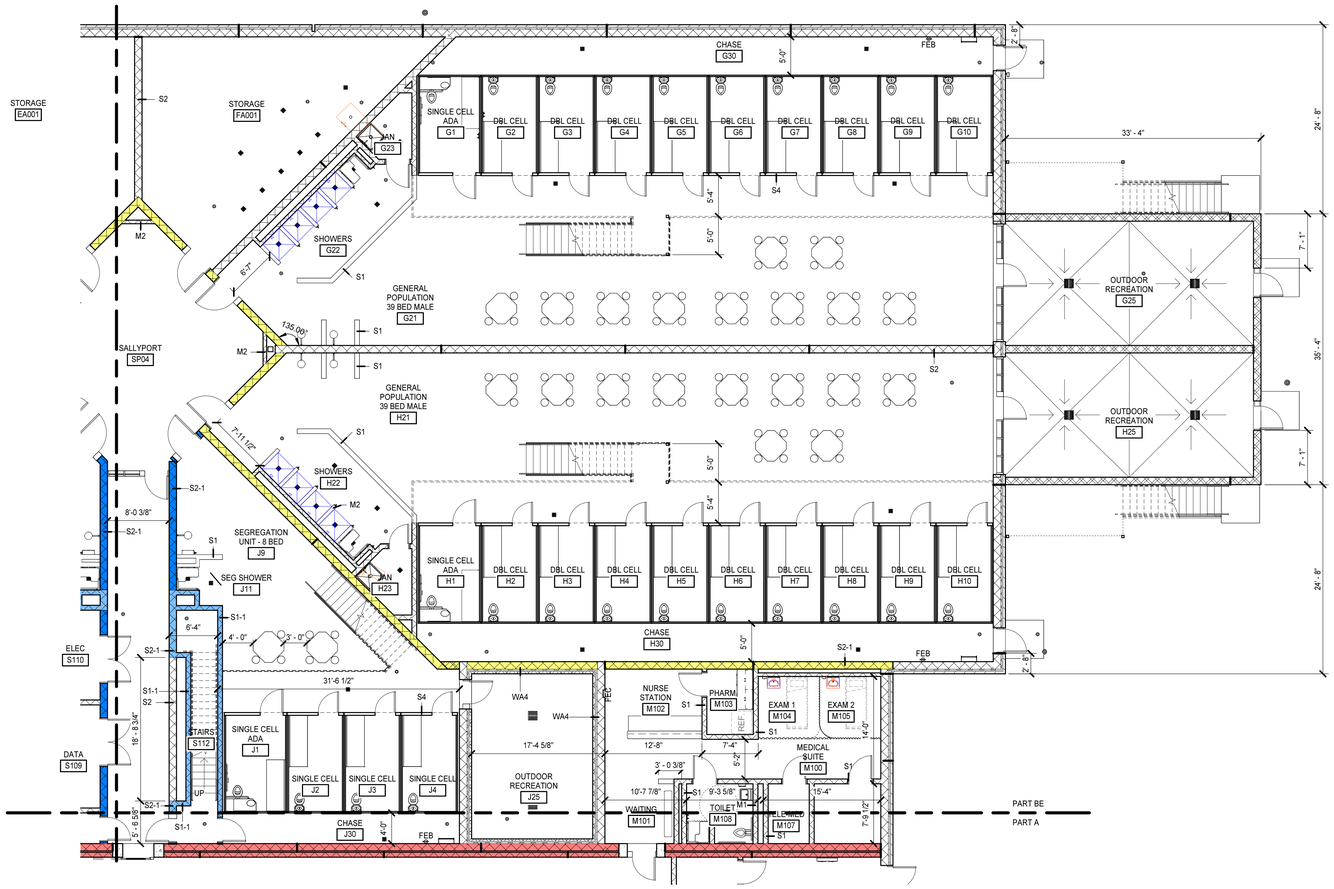
REVISIONS

DATE	DESCRIPTION

DIMENSION PLAN - PART A

A2.4

12/13/2023 9:46:32 AM



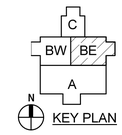
N

FIRST FLOOR DIMENSION PLAN - PART BE - BASE BID

1/8" = 1'-0"

0' 2' 4' 8' 16'

1/8" = 1'-0"



KEY PLAN

12/13/2023 9:46:36 AM

MOSELEY ARCHITECTS

6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS
REGISTERED ARCHITECT
11547
NORTH CAROLINA
CHARLOTTE, NC
12/12/23

MOSELEY ARCHITECTS, P.C.
REGISTERED ARCHITECTURAL CORPORATION
50149
NORTH CAROLINA
CHARLOTTE, NC

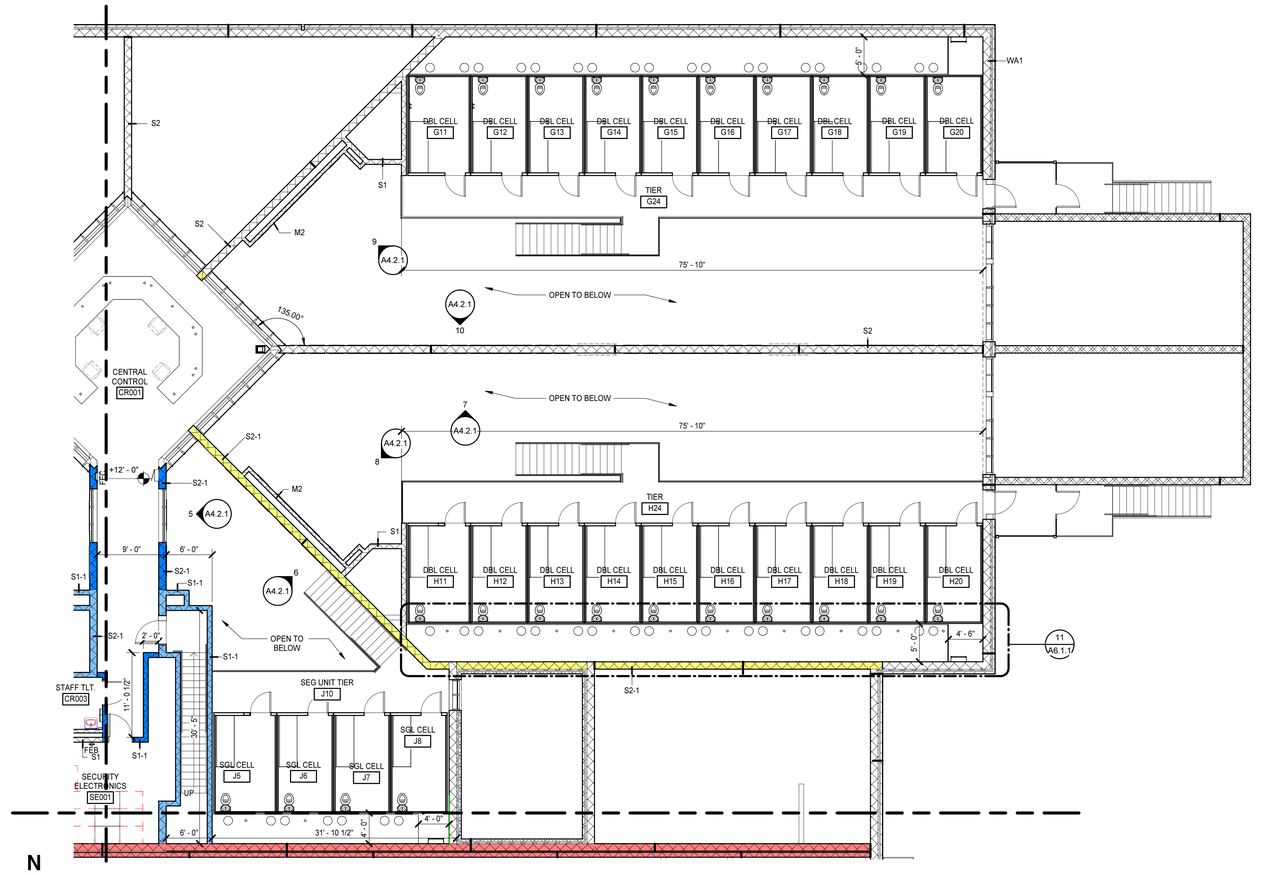
DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO: 621373	DATE: December 12, 2023
REVISIONS	
DATE	DESCRIPTION

DIMENSION PLAN - PART BE - LEVEL ONE - BASE BID

A2.5

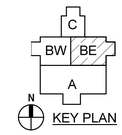


TIER LEVEL DIMENSION FLOOR PLAN - PART BE - BASE BID

1/8" = 1'-0"

0' 2' 4' 8' 16'

1/8" = 1'-0"



KEY PLAN

MOSELEY ARCHITECTS

6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS
REGISTERED ARCHITECT
11547
NORTH CAROLINA
CHARLOTTE, NC
12/12/23

MOSELEY ARCHITECTS, P.C.
REGISTERED ARCHITECTURAL CORPORATION
50149
NORTH CAROLINA
CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE:
621373	December 12, 2023

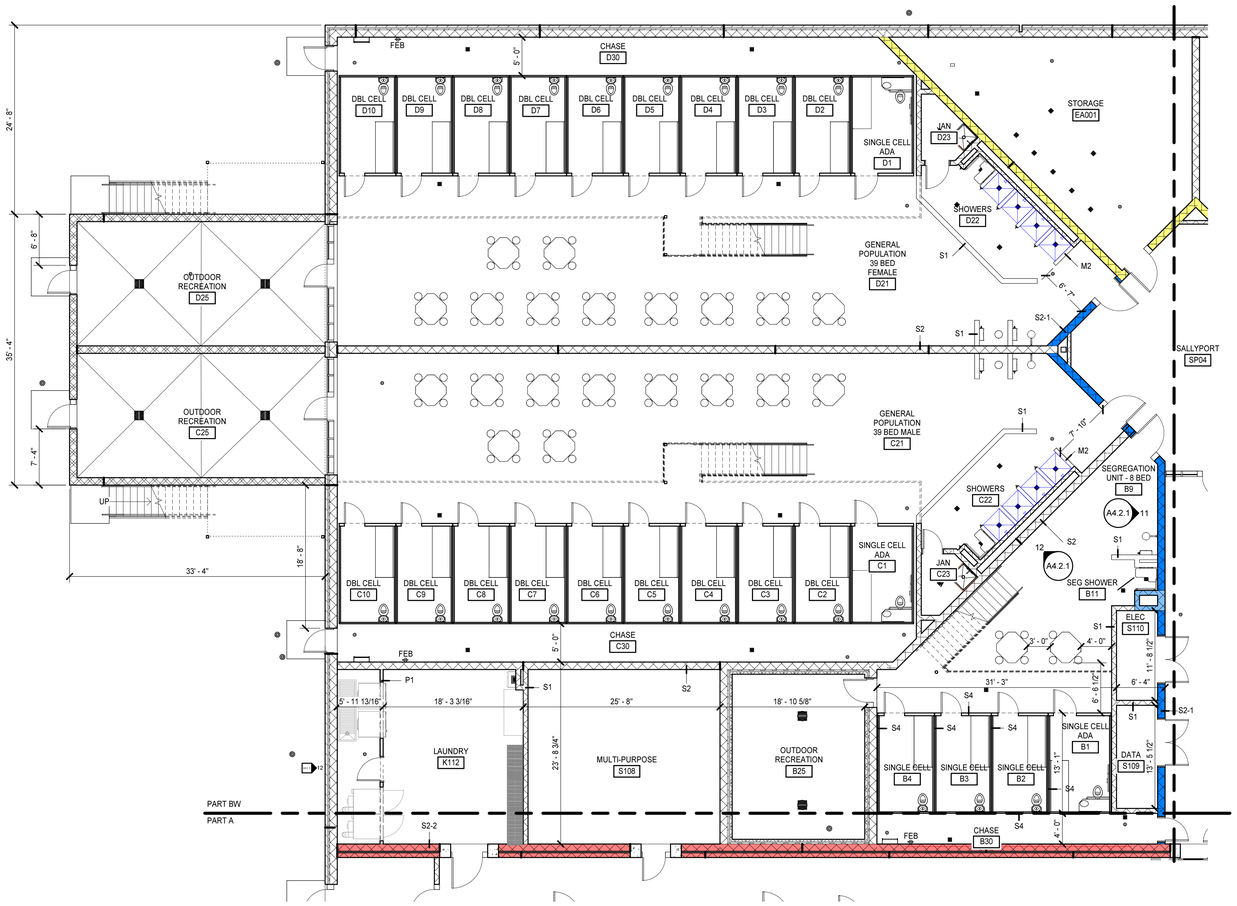
REVISIONS

DATE	DESCRIPTION

DIMENSION PLAN - PART BE - TIER LEVEL - BASE BID

A2.6

12/13/2023 9:46:40 AM



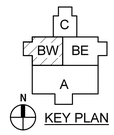
N

FIRST FLOOR DIMENSION PLAN - PART BW

1/8" = 1'-0"

0' 2' 4' 8' 16'

1/8" = 1'-0"



KEY PLAN

MOSELEY ARCHITECTS

6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS
REGISTERED ARCHITECT
11547
NORTH CAROLINA
CHARLOTTE, NC
12/12/23

MOSELEY ARCHITECTS, P.A.
CORPORATE REGISTRATION
50149
NORTH CAROLINA
CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO:	DATE:
621373	December 12, 2023

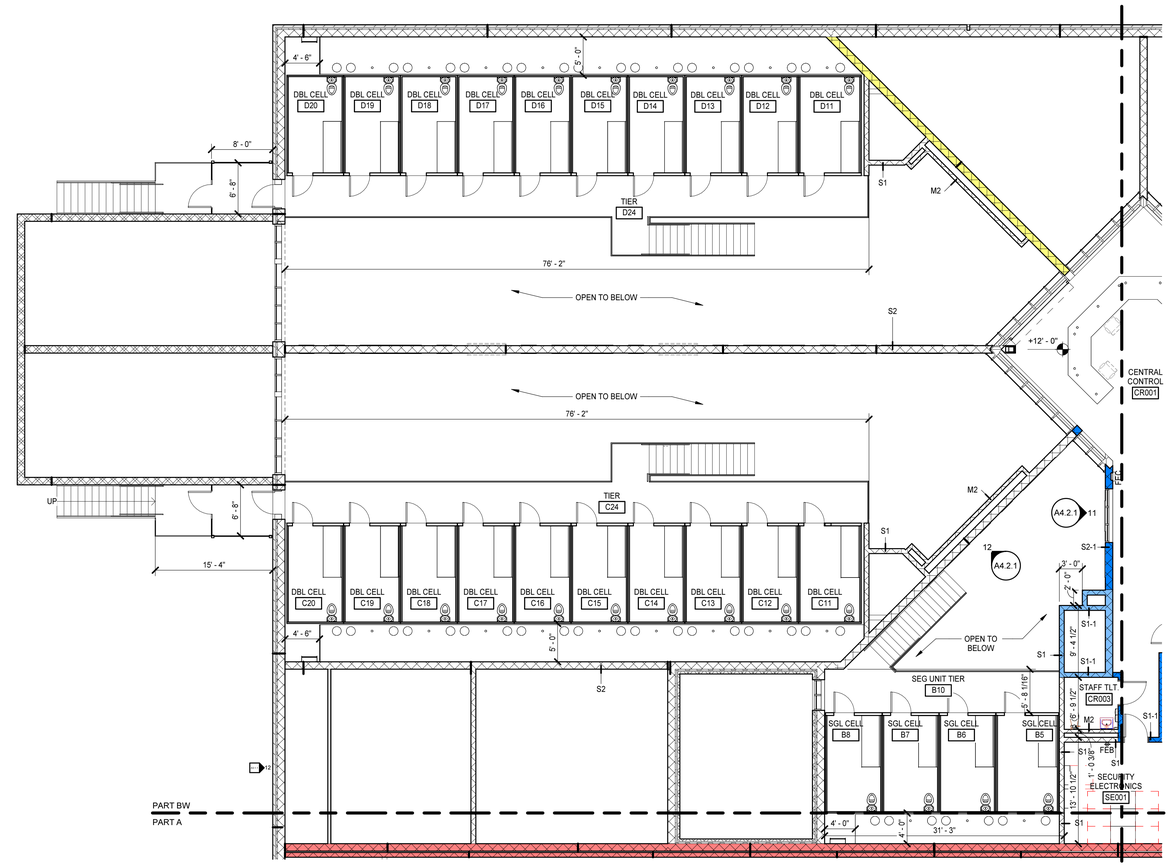
REVISIONS

DATE	DESCRIPTION

DIMENSION PLAN - PART BW - LEVEL ONE - BASE BID

A2.7

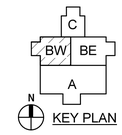
12/13/2023 9:46:44 AM



N

TIER LEVEL DIMENSION FLOOR PLAN - PART BW

1/8" = 1'-0"



KEY PLAN

MOSELEY ARCHITECTS

6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS
REGISTERED ARCHITECT
11547
NORTH CAROLINA
CHARLOTTE, NC
12/12/23

MOSELEY ARCHITECTS, P.C.
REGISTERED ARCHITECTURAL CORPORATION
50149
NORTH CAROLINA
CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO	DATE:
621373	December 12, 2023

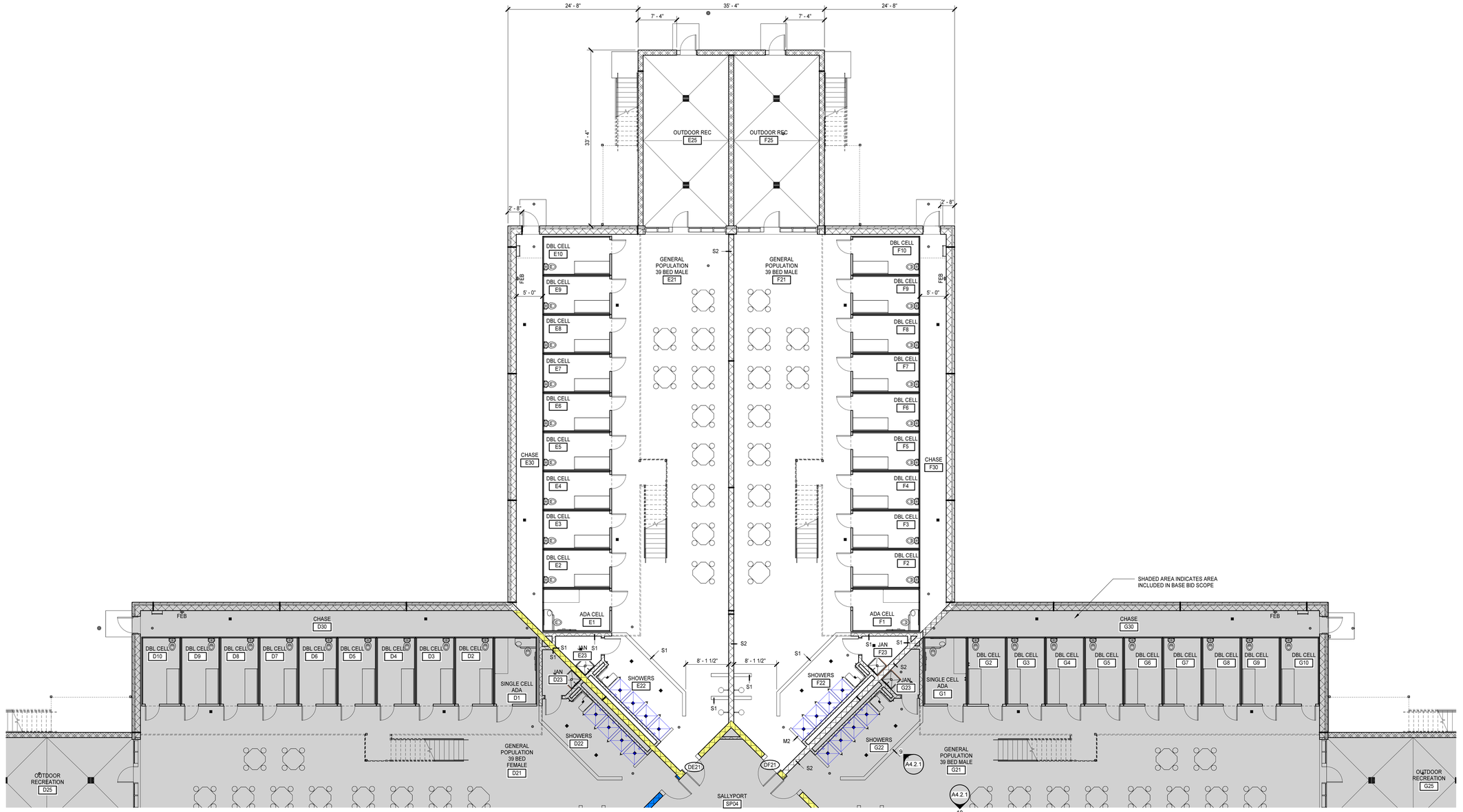
REVISIONS

DATE	DESCRIPTION

DIMENSION PLAN - PART BW - TIER LEVEL - BASE BID

A2.8

12/13/2023 9:46:48 AM



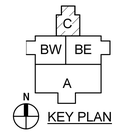
N

FIRST FLOOR DIMENSION PLAN - PART C - ADD ALTERNATE

1/8" = 1'-0"

0' 2' 4' 8' 16'

1/8" = 1'-0"



12/13/2023 9:46:57 AM

MOSELEY ARCHITECTS

6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS
REGISTERED ARCHITECT
11547
NORTH CAROLINA
CHARLOTTE, NC
12/12/23

MOSELEY ARCHITECTS, P.C.
REGISTERED ARCHITECTURAL CORPORATION
50149
NORTH CAROLINA
CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE:
621373	December 12, 2023

REVISIONS

DATE	DESCRIPTION

DIMENSION PLAN - PART C - LEVEL ONE - ADD ALT.

A2.9

FINISH SCHEDULE - BASE BID

NUMBER	NAME	FLOOR	BASE	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	WAINSCOT	CEILING	NOTES
LEVEL 1										
100	VESTIBULE	TERR-E	TERR-E	PT	PT	PT	PT	--	EXPC PT	
101	PUBLIC LOBBY	TERR-E	TERR-E	PT	PT	PT	PT	--	EXPC PT/ACP-A/GB-PT	1
103	VIDEO VISITATION	VT	RB	PT	PT	PT	PT	--	ACP-A	12
104	UNISEX TLT	P-TILE-1	P-TILE-1	P-TILE-2/GWT	P-TILE-2/GWT	P-TILE-2/GWT	P-TILE-2/GWT	--	ACP-B	8,10
106	RECEPT.	TCF	RB	PT	PT	PT	PT	--	ACP-A	11
107	ADMIN. WORK AREA	TCF	RB	PT	PT	PT	PT	--	ACP-A	11
108	OFFICE	TCF	RB	PT	PT	PT	PT	--	ACP-A	11
109	CORR.	VT	RB	PT	PT	PT	PT	--	ACP-A	
110	CONF.	TCF	RB	PT	PT	PT	PT	--	ACP-A	
111	OFFICE	TCF	RB	PT	PT	PT	PT	--	ACP-A	11
112	OFFICE	TCF	RB	PT	PT	PT	PT	--	ACP-A	11
113	STAFF BREAK ROOM	VT	RB	PT	PT	PT	PT	--	ACP-A	11
114	MENS TLT	RES-A	RES-A	P-TILE-2/GWT	P-TILE-2/GWT	P-TILE-2/GWT	P-TILE-2/GWT	--	GB-PT	8,10
115	M. LOCKER	RES-A	RES-A	P-TILE-2	P-TILE-2	P-TILE-2	P-TILE-2	--	ACP-B/GB-PT	8
116	WOMENS TLT	RES-A	RES-A	P-TILE-2/GWT	P-TILE-2/GWT	P-TILE-2/GWT	P-TILE-2/GWT	--	GB-PT	8, 10
117	W. LOCKER	RES-A	RES-A	P-TILE-2	P-TILE-2	P-TILE-2	P-TILE-2	--	ACP-B/GB-PT	8
118	DATA	CONC-SLR	EPX PT	PT	PT	PT	PT	--	EXPC PT	
119	MAG. CONSULT	TERR-E	TERR-E	PT	PT	PT	PT	--	ACP-A	
120	MAGISTRATE WORK AREA	TCF	RB	PT	PT	PT	PT	--	ACP-A	11
121	INTERVIEW	TCF	RB	PT/AWP-C	PT/AWP-C	PT/AWP-C	PT/AWP-C	--	ACP-A - HDC	9
122	MAG TLT	RES-A	RES-A	EPX PT	EPX PT	EPX PT	P-TILE	--	GB-PT	8
123	MAGISTRATE INMATE	TCF	RB	PT	PT	PT	PT	--	ACP-A	
124	MAG. BREAK ROOM	VT	RB	PT	PT	PT	PT	--	ACP-A	11
125	M. SHOWER	RES-A	RES-A	P-TILE-2	P-TILE-2	P-TILE-2	P-TILE-2	--	ACP-B/GB-PT	8
126	W. SHOWER	RES-A	RES-A	P-TILE-2	P-TILE-2	P-TILE-2	P-TILE-2	--	ACP-B/GB-PT	8
B1	SINGLE CELL ADA	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
B2	SINGLE CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
B3	SINGLE CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
B4	SINGLE CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
B9	SEGREGATION UNIT - 8 BED	CONC-POL	EPX PT	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-A-HDC/SGB-PT	6, 14
B11	SEG SHOWER	RES-A	RES-A	RES-B	RES-B	RES-B	RES-B	--	ACP-A-HDC	3, 4, 5
B25	OUTDOOR RECREATION	CONC-SLR	--	--	--	--	--	--	SWM	
B30	CHASE	CONC-SLR	--	--	--	--	--	--	EXPC	
C1	SINGLE CELL ADA	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
C2	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
C3	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
C4	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
C5	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
C6	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
C7	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
C8	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
C9	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
C10	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
C21	GENERAL POPULATION 39 BED MALE	CONC-POL	EPX PT	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-A-HDC/SGB-PT	6, 14
C22	SHOWERS	RES-A	RES-A	RES-B	RES-B	RES-B	RES-B	--	ACP-A-HDC	3, 4, 5
C23	JAN	RES-A	RES-A	EPX PT	EPX PT	EPX PT	EPX PT	--	GB-PT	3
C25	OUTDOOR RECREATION	CONC-SLR	--	--	--	--	--	--	SWM	
C30	CHASE	CONC-SLR	--	--	--	--	--	--	EXPC	
D1	SINGLE CELL ADA	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
D2	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
D3	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
D4	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
D5	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
D6	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
D7	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
D8	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
D9	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
D10	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
D21	GENERAL POPULATION 39 BED FEMALE	CONC-POL	EPX PT	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-A-HDC/SGB-PT	6, 14
D22	SHOWERS	RES-A	RES-A	RES-B	RES-B	RES-B	RES-B	--	ACP-A-HDC	3, 4, 5
D23	JAN	RES-A	RES-A	EPX PT	EPX PT	EPX PT	EPX PT	--	GB-PT	3
D25	OUTDOOR RECREATION	CONC-SLR	--	--	--	--	--	--	SWM	
D30	CHASE	CONC-SLR	--	--	--	--	--	--	EXPC	
E1	ADA CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E2	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E3	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E4	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E5	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E6	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E7	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E8	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E9	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E10	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E21	GENERAL POPULATION 39 BED MALE	CONC-POL	EPX PT	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-A-HDC/SGB-PT	6, 14
E22	SHOWERS	RES-A	RES-A	RES-B	RES-B	RES-B	RES-B	--	ACP-A-HDC	3, 4, 5
E23	JAN	RES-A	RES-A	EPX PT	EPX PT	EPX PT	EPX PT	--	GB-PT	3
E25	OUTDOOR REC	CONC-SLR	--	--	--	--	--	--	SWM	
E30	CHASE	CONC-SLR	--	--	--	--	--	--	EXPC	
EA001	STORAGE	CONC-SLR	--	--	--	--	--	--	EXPC	
F1	ADA CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F2	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F3	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F4	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F5	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F6	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F7	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F8	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F9	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F10	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F21	GENERAL POPULATION 39 BED MALE	CONC-POL	EPX PT	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-A-HDC/SGB-PT	6, 14
F22	SHOWERS	RES-A	RES-A	RES-B	RES-B	RES-B	RES-B	--	ACP-A-HDC	3, 4, 5
F23	JAN	RES-A	RES-A	EPX PT	EPX PT	EPX PT	EPX PT	--	GB-PT	3
F25	OUTDOOR REC	CONC-SLR	--	--	--	--	--	--	SWM	
F30	CHASE	CONC-SLR	--	--	--	--	--	--	EXPC	
FA001	STORAGE	CONC-SLR	--	--	--	--	--	--	EXPC	
G1	SINGLE CELL ADA	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
G2	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
G3	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
G4	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
G5	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
G6	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
G7	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
G8	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
G9	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
G10	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
G21	GENERAL POPULATION 39 BED MALE	CONC-POL	EPX PT	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-A-HDC/SGB-PT	6, 14
G22	SHOWERS	RES-A	RES-A	RES-B	RES-B	RES-B	RES-B	--	ACP-A-HDC	3, 4, 5
G23	JAN	RES-A	RES-A	EPX PT	EPX PT	EPX PT	EPX PT	--	GB-PT	3
G25	OUTDOOR RECREATION	CONC-SLR	--	--	--	--	--	--	SWM	
G30	CHASE	CONC-SLR	--	--	--	--	--	--	EXPC	
H1	SINGLE CELL ADA	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
H2	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
H3	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
H4	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
H5	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
H6	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
H7	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
H8	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
H9	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
H10	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
H21	GENERAL POPULATION 39 BED MALE	CONC-POL	EPX PT	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-A-HDC/SGB-PT	6, 14
H22	SHOWERS	RES-A	RES-A	RES-B	RES-B	RES-B	RES-B	--	ACP-A-HDC	3, 4, 5
H23	JAN	RES-A	RES-A	EPX PT	EPX PT	EPX PT	EPX PT	--	GB-PT	3
H25	OUTDOOR RECREATION	CONC-SLR	--	--	--	--	--	--	SWM	
H30	CHASE	CONC-SLR	--	--	--	--	--	--	EXPC	
J1	SINGLE CELL ADA	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
J2	SINGLE CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
J3	SINGLE CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
J4	SINGLE CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
J9	SEGREGATION UNIT - 8 BED	CONC-POL	EPX PT	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-A-HDC/SGB-PT	6, 14
J11	SEG SHOWER	RES-A	RES-A	RES-B	RES-B	RES-B	RES-B	--	ACP-A-HDC	3, 4, 5
J25	OUTDOOR RECREATION	CONC-SLR	--	--	--	--	--	--	SWM	
J30	CHASE	CONC-SLR	--	--	--	--	--	--	EXPC	
K100	KITCHEN	SV-B	SV-B	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-B-HDC	3, 4, 7
K101	DISHWASHING AREA	SV-B	SV-B	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-B-HDC	3, 4, 7
K102	COOLER	PER MFR	--	--	--	--	--	--	--	
K103	COOLER	PER MFR	--	--	--	--	--	--	--	
K104	FREEZER	PER MFR	--	--	--	--	--	--	--	
K105	DRY STORAGE	SV-B	SV-B	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-B-HDC	3
K106	TOILET	SV-B	SV-B	EPX PT	EPX PT	EPX PT	EPX PT	--	SGB-PT	3
K107	TOILET	SV-B	SV-B	EPX PT	EPX PT	EPX PT	EPX PT	--	SGB-PT	3
K108	LOCKER	SV-B	SV-B	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-B-HDC	3
K109	LOCKER	SV-B	SV-B	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-B-HDC	3
K110	OFFICE	SV-B	SV-B	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-B-HDC	3
K111	JAN	SV-B	SV-B	EPX PT	EPX PT	EPX PT	EPX PT	--	GB-PT	3
K112	LAUNDRY	CONC-SLR	EPX PT	EPX PT	EPX PT	EPX PT	EPX PT	--	GB-PT/EXPC PT	
M100	MEDICAL SUITE	SV-A	SV-A	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-B-HDC	3
M101	WAITING	SV-A	SV-A	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-B-HDC	3
M102	NURSE STATION	SV-A	SV-A	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-B-HDC	3

FINISH SCHEDULE - BASE BID

NUMBER	NAME	FLOOR	BASE	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	WAINSCOT	CEILING	NOTES
M103	PHARM.	SV-A	SV-A	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-B-HDC	3
M104	EXAM 1	SV-A	SV-A	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-B-HDC	3
M105	EXAM 2	SV-A	SV-A	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-B-HDC	3
M106	STORAGE	SV-A	SV-A	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-B-HDC	3
M107	TELE-MED	SV-A	SV-A	EPX PT	EPX PT	EPX PT	EPX PT	--	SGB-PT	3
M108	TOILET	RES-A	RES-A	RES-B	RES-B	RES-B	RES-B	--	SGB-PT	3, 4, 5
P100	INTAKE/ PROCESSING	CONC-POL	EPX PT	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-HDC	
P101	HOLDING	CONC-POL	EPX PT	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-HDC	
P102	HOLDING	CONC-POL	EPX PT	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-HDC	
P103	STAFF TLT	RES-A	RES-A	EPX PT	EPX PT	EPX PT	EPX PT	--	GB-PT	3
P104	BREATHALYZER	CONC-POL	EPX PT	EPX PT	EPX PT	EPX PT	EPX PT	--	SGB-PT	
P105	BOOKING	CONC-POL	EPX PT	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-HDC	
P106	OBSERVATION HOLDING	CONC-POL	EPX PT	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-HDC	
P107	HOLDING	CONC-POL	EPX PT	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-HDC	
P108	ADA HOLDING	CONC-POL	EPX PT	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-HDC	
P109	GROUP HOLDING	CONC-POL	EPX PT	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-HDC	
P110	JAN.	CONC-SLR	EPX PT	EPX PT	EPX PT	EPX PT	EPX PT	--	GB-PT	
P111	DRESS OUT	RES-A	RES-A	RES-B	RES-B	RES-B	RES-B	--	SGB-PT	3
P112	DRESS OUT	RES-A	RES-A	RES-B	RES-B	RES-B	RES-B	--	SGB-PT	3
P113	PROPERTY STORAGE	CONC-POL	EPX PT	PT	PT	PT	PT	--	EXPC PT	13
P114	ISSUE	CONC-POL	EPX PT	PT	PT	PT	PT	--	EXPC PT	
P115	RECORDS / OFFICE	CONC-POL	EPX PT	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-HDC	
P116	TOILET	RES-A	RES-A	EPX-PT	EPX-PT	EPX-PT	EPX-PT	--	GB-PT	3
P117	VISIT	CONC-POL	EPX PT	PT	PT	PT	PT	--	SGB-PT	
P118	VISIT	TCF	RB	PT	PT	PT	PT	--	ACP-A	
P119	CHANGE OUT	CONC-POL	EPX PT	PT	PT	PT	PT	--	SGB-PT	
P120	ATTORNEY VISITATION	CONC-POL	EPX PT	PT	PT	PT	PT	--	ACP-HDC	
P121	ATTORNEY VISITATION	CONC-POL	EPX PT	PT	PT	PT	PT	--	ACP-HDC	
P122	VIDEO ARRAIGNMENT WAITING	CONC-POL	EPX PT	EPX PT	EPX PT	EPX PT	EPX PT	--	SGB-PT	
P123	VIDEO ARRAIGNMENT	CONC-POL	EPX PT	EPX PT	EPX PT	EPX PT	EPX PT	--	SGB-PT	
S100	LOADING	CONC-SLR	EPX PT	PT	PT	PT	PT	--	EXPC PT	
S101	LS ELECTRICAL	CONC-SLR	EPX PT	PT	PT	PT	PT	--	EXPC PT	
S102	ELECTRICAL	CONC-SLR	EPX PT	PT	PT	PT	PT	--	EXPC PT	
S103	MECHANICAL	CONC-SLR	EPX PT	PT	PT	PT	PT	--	EXPC PT	
S104	MAIN CORRIDOR	CONC-POL	EPX PT	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-A-HDC	2
S106	CORR.	CONC-POL	EPX PT	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-A	
S107	JAN.	CONC-SLR	EPX PT	EPX PT	EPX PT	EPX PT	EPX PT	--	GB-PT	
S108	MULTI-PURPOSE	CONC-POL	EPX PT	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-A-HDC	
S109	DATA	CONC-SLR	EPX PT	PT	PT	PT	PT	--	EXPC PT	
S110	ELEC	CONC-SLR	EPX PT	PT	PT	PT	PT	--	EXPC PT	
S111	CORR.	CONC-POL	EPX PT	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-A	
S112	STAIRS	CONC-POL	EPX PT	PT	PT	PT	PT	--	ACP-A	
S113	VESTIBULE	CONC-POL	RB	EPX PT	EPX PT	EPX PT	EPX PT		ACP-A	
S115	BAS	CONC-SLR	EPX PT	PT	PT	PT	PT	--	GB-PT	
SP01	SALLY PORT	CONC-POL	EPX PT	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-A-HDC	
SP02	SALLY PORT	CONC-POL	EPX PT	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-A-HDC	
SP03	SALLYPORT	CONC-POL	EPX PT	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-A-HDC	
SP04	SALLYPORT	CONC-POL	EPX PT	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-A-HDC	2

FINISH SCHEDULE - BASE BID

NUMBER	NAME	FLOOR	BASE	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	WAINSCOT	CEILING	NOTES
TIER LEVEL										
B5	SGL CELL	PER MFR	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
B6	SGL CELL	PER MFR	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
B7	SGL CELL	PER MFR	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
B8	SGL CELL	PER MFR	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
B10	SEG UNIT TIER	GALV	EPX PT	EPX PT	EPX PT	EPX PT	EPX PT	--	SGB-PT	
C11	DBL CELL	PER MFR	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
C12	DBL CELL	PER MFR	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
C13	DBL CELL	PER MFR	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
C14	DBL CELL	PER MFR	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
C15	DBL CELL	PER MFR	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
C16	DBL CELL	PER MFR	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
C17	DBL CELL	PER MFR	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
C18	DBL CELL	PER MFR	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
C19	DBL CELL	PER MFR	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
C20	DBL CELL	PER MFR	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
C24	TIER	GALV	EPX PT	--	EPX PT	EPX PT	EPX PT	--	SGB-PT	
D11	DBL CELL	PER MFR	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
D12	DBL CELL	PER MFR	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
D13	DBL CELL	PER MFR	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
D14	DBL CELL	PER MFR	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
D15	DBL CELL	PER MFR	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
D16	DBL CELL	PER MFR	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
D17	DBL CELL	PER MFR	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
D18	DBL CELL	PER MFR	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
D19	DBL CELL	PER MFR	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
D20	DBL CELL	PER MFR	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
D24	TIER	GALV	EPX PT	EPX PT	--	--	EPX PT	--	SGB-PT	
E11	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E12	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E13	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E14	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E15	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E16	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E17	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E18	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E19	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E20	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E24	TIER	GALV	EPX PT	EPX PT	--	--	EPX PT	--	SGB-PT	
F11	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F12	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F13	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F14	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F15	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F16	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F17	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F18	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F19	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F20	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F24	TIER	GALV	EPX PT	EPX PT	EPX PT	--	--	--	SGB-PT	
G11	DBL CELL	PER MFR	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
G12	DBL CELL	PER MFR	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
G13	DBL CELL	PER MFR	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	

NOTE:

1. REFER TO TERRAZZO DETAILS ON DRAWING A3.0.2.
2. PROVIDE 8" H STAINLESS STEEL CRASH RAIL ON WALLS. MOUNT AT 32" AFF TO CENTER OF RAIL.
3. INTEGRAL COVE BASE 8" H. TERMINATE AT CMU MORTAR JOINT.
4. APPLY BLOCK FILLER TO CREATE SMOOTH FINISH.
5. RES-B SHALL EXTEND TO 8'-0" AFF. COVE INSIDE CORNERS.
6. STAIR TREADS AND PLATFORM FLOOR SHALL BE DIAMOND-TREAD GALVANIZED METAL. RAILINGS SHALL BE GALVANIZED.
7. PROVIDE STAINLESS STEEL CORNER GUARDS AT ALL OUTSIDE CORNER CONDITIONS.
8. INTEGRAL COVE BASE 4" H.
9. PROVIDE AWP-C POLYESTER (FELT) ACOUSTIC WALL PANELS ON ALL WALLS STARTING AT 36" AFF TO CEILING.
10. REFER TO TYPICAL TILE ELEVATION ON DRAWING A3.0.1 FOR TILE PATTERN.
11. PROVIDE MANUAL ROLLER SHADES AT EXTERIOR WINDOWS.
12. PROVIDE AWP-A STRETCHED-FABRIC ACOUSTIC WALL PANELS. REFER TO INTERIOR ELEVATIONS ON DRAWING A4.2.1.
13. PROVIDE VT ON MOBILE STORAGE SHELVING SYSTEM PLATFORM.
14. PROVIDE AWP-B WOOD FIBER ACOUSTIC WALL PANELS. REFER TO INTERIOR ELEVATIONS ON DRAWING A4.2.1.

FINISH SCHEDULE GENERAL NOTES

A. FINISH SCHEDULE DESCRIBES ONLY THE BASIC OR PREDOMINANT SURFACE FINISH.

B. PROVIDE SAME FINISHES AS THE ADJACENT SPACE IN ALCOVES AND CONTINUOUS SPACES WITHOUT DESIGNATED SPACE NUMBERS.

C. CASEWORK FINISHES ARE NOT NOTED IN THE FINISH SCHEDULE. REFER TO CASEWORK ELEVATIONS AND SPECIFICATIONS FOR MATERIALS AND FINISHES.

D. DIRECTIONAL WALL FINISH INDICATORS (NORTH, EAST, SOUTH, WEST) REFER TO THE "PLAN" NORTH ORIENTATION.

E. BULKHEADS AND SOFFITS MAY NOT BE INDICATED IN FINISH SCHEDULES. REFER T

FINISH SCHEDULE - ALTERNATE

NUMBER	NAME	FLOOR	BASE	WALLS				WAINSCOT	CEILING	NOTES
				NORTH	EAST	SOUTH	WEST			
LEVEL 1										
E1	ADA CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E2	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E3	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E4	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E5	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E6	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E7	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E8	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E9	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E10	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E21	GENERAL POPULATION 39 BED MALE	CONC-POL	EPX PT	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-A-HDC/SGB-PT	6, 14
E22	SHOWERS	RES-A	RES-A	RES-B	RES-B	RES-B	RES-B	--	ACP-A-HDC	3, 4, 5
E23	JAN	RES-A	RES-A	EPX PT	EPX PT	EPX PT	EPX PT	--	GB-PT	3
E25	OUTDOOR REC	CONC-SLR	--	--	--	--	--	--	SWM	
E30	CHASE	CONC-SLR	--	--	--	--	--	--	EXPC	
EA001	STORAGE	CONC-SLR	--	--	--	--	--	--	EXPC	
F1	ADA CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F2	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F3	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F4	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F5	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F6	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F7	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F8	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F9	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F10	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F21	GENERAL POPULATION 39 BED MALE	CONC-POL	EPX PT	EPX PT	EPX PT	EPX PT	EPX PT	--	ACP-A-HDC/SGB-PT	6, 14
F22	SHOWERS	RES-A	RES-A	RES-B	RES-B	RES-B	RES-B	--	ACP-A-HDC	3, 4, 5
F23	JAN	RES-A	RES-A	EPX PT	EPX PT	EPX PT	EPX PT	--	GB-PT	3
F25	OUTDOOR REC	CONC-SLR	--	--	--	--	--	--	SWM	
F30	CHASE	CONC-SLR	--	--	--	--	--	--	EXPC	
FA001	STORAGE	CONC-SLR	--	--	--	--	--	--	EXPC	
TIER LEVEL										
E11	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E12	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E13	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E14	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E15	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E16	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E17	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E18	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E19	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E20	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
E24	TIER	GALV	EPX PT	EPX PT	--	--	EPX PT	--	SGB-PT	
F11	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F12	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F13	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F14	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F15	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F16	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F17	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F18	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F19	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F20	DBL CELL	CONC-POL	--	PER MFR	PER MFR	PER MFR	PER MFR	--	PER MFR	
F24	TIER	GALV	EPX PT	EPX PT	EPX PT	--	--	--	SGB-PT	

NOTE:

1. REFER TO TERRAZZO DETAILS ON DRAWING A3.0.2.
2. PROVIDE 8" H STAINLESS STEEL CRASH RAIL ON WALLS. MOUNT AT 32" AFF TO CENTER OF RAIL.
3. INTEGRAL COVE BASE 8" H. TERMINATE AT CMU MORTAR JOINT.
4. APPLY BLOCK FILLER TO CREATE SMOOTH FINISH.
5. RES-B SHALL EXTEND TO 8'-0" AFF. COVE INSIDE CORNERS.
6. STAIR TREADS AND PLATFORM FLOOR SHALL BE DIAMOND-TREAD GALVANIZED METAL. RAILINGS SHALL BE GALVANIZED.
7. PROVIDE STAINLESS STEEL CORNER GUARDS AT ALL OUTSIDE CORNER CONDITIONS.
8. INTEGRAL COVE BASE 4" H.
9. PROVIDE AWP-C POLYESTER (FELT) ACOUSTIC WALL PANELS ON ALL WALLS STARTING AT 36" AFF TO CEILING.
10. REFER TO TYPICAL TILE ELEVATION ON DRAWING A3.0.1 FOR TILE PATTERN.
11. PROVIDE MANUAL ROLLER SHADES AT EXTERIOR WINDOWS.
12. PROVIDE AWP-A STRETCHED-FABRIC ACOUSTIC WALL PANELS. REFER TO INTERIOR ELEVATIONS ON DRAWING A4.2.1.
13. PROVIDE VT ON MOBILE STORAGE SHELVING SYSTEM PLATFORM.
14. PROVIDE AWP-B WOOD FIBER ACOUSTIC WALL PANELS. REFER TO INTERIOR ELEVATIONS ON DRAWING A4.2.1.

FINISH SCHEDULE GENERAL NOTES

A. FINISH SCHEDULE DESCRIBES ONLY THE BASIC OR PREDOMINANT SURFACE FINISH.

B. PROVIDE SAME FINISHES AS THE ADJACENT SPACE IN ALCOVES AND CONTINUOUS SPACES WITHOUT DESIGNATED SPACE NUMBERS.

C. CASEWORK FINISHES ARE NOT NOTED IN THE FINISH SCHEDULE. REFER TO CASEWORK ELEVATIONS AND SPECIFICATIONS FOR MATERIALS AND FINISHES.

D. DIRECTIONAL WALL FINISH INDICATORS (NORTH, EAST, SOUTH, WEST) REFER TO THE "PLAN" NORTH ORIENTATION.

E. BULKHEADS AND SOFFITS MAY NOT BE INDICATED IN FINISH SCHEDULES. REFER TO RCP DETAILS, AND OTHER DOCUMENTS FOR EXTENT.

F. PROVIDE CONTINUOUS SEALANT BETWEEN INTERIOR SLAB-ON-GRADE AND VERTICAL ELEMENT WHERE JOINT IS NOT CONCEALED BY FINISH BASE OR OTHER CONSTRUCTION.

G. REFER TO SPECIFICATIONS FOR INFORMATION ON FINISH FIRE CLASSIFICATION RATING.

H. WHERE BASE IS INDICATED TO BE PAINTED, PAINT 8" HIGH IN COLOR DIFFERENT FROM WALL. TERMINATE AT CMU MORTAR JOINT. COLOR TO BE DETERMINED BY ARCHITECT.

I. CELL INTERIORS SHALL HAVE PREFINISHED FLOORS, WALLS, AND CEILINGS FROM FACTORY, UNLESS NOTED OTHERWISE.

J. CONTRACTOR SHALL PAINT ENTIRE DOOR AND JAMB OF STEEL CELLS. PAINT SHALL BE AN ACCENT COLOR TO DETERMINED BY ARCHITECT.

K. WOOD FIBER ACOUSTICAL PANELS (AWP-B) IN EACH HOUSING UNIT SHALL BE AN ACCENT COLOR.

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS
REGISTERED ARCHITECT
11547
NORTH CAROLINA
CHARLOTTE, NC
12/12/23

MOSELEY ARCHITECTS, P.A.
CORPORATE SEAL
50149
NORTH CAROLINA
CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE:
621373	December 12, 2023

REVISIONS

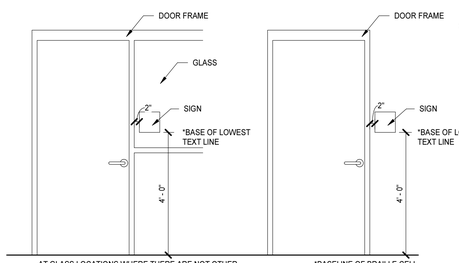
DATE	DESCRIPTION

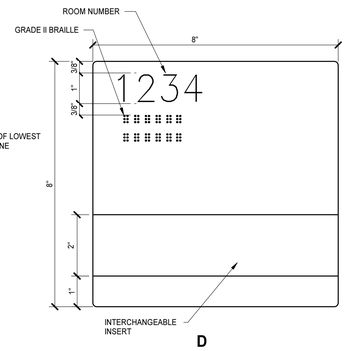
FINISH SCHEDULE

A3.0.2

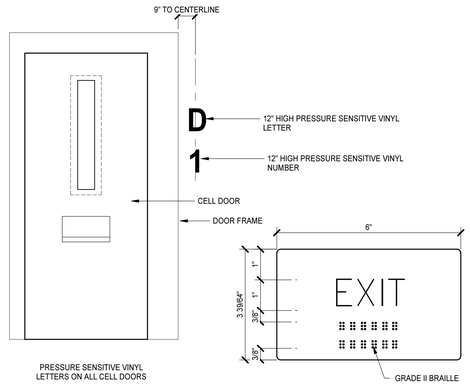
12/13/2023 9:47:04 AM

SIGNAGE TYPES/ELEVATIONS



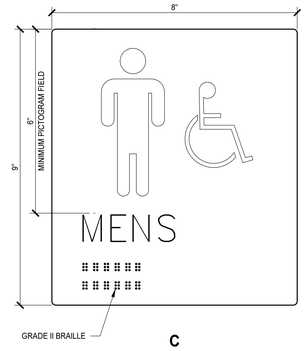


D

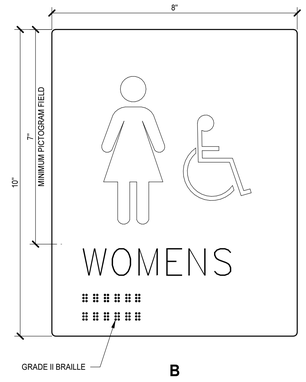


H

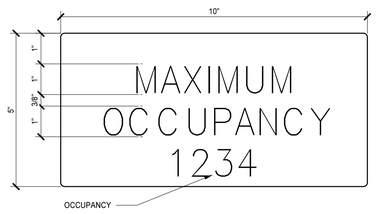
G



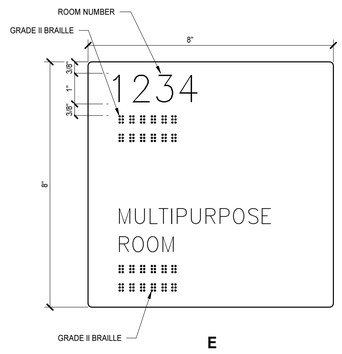
C



B



F



E



A

SIGNAGE GENERAL NOTES

1. INTERIOR AND EXTERIOR PANEL SIGNAGE IS PROVIDED BY ALLOWANCE. REFER TO SPECIFICATION SECTION 012100 - ALLOWANCES AND SPECIFICATION SECTION 101400 - SIGNAGE. DIMENSIONAL CHARACTERS ARE NOT INCLUDED IN THE ALLOWANCE.

2. ALL FINAL ROOM NAMES AND NUMBERS SHALL BE APPROVED BY ARCHITECT/OWNER PRIOR TO SIGN PRODUCTION.

3. PROVIDE PRESSURE SENSITIVE VINYL NUMBERS ON CELL DOORS PER SIGNAGE TYPE "H".

4. SIGNAGE IN DETENTION AREAS, AS DEFINED BY DRAWING G1.1, TO BE BOTH ADHERED AND MECHANICALLY FASTENED TO SUBSTRATE. SIGNAGE IN NON-DETENTION AREAS SHALL BE ADHERED ONLY.

5. ALL SPACES/ROOMS IN FACILITY SHALL BE IDENTIFIED WITH SIGNAGE, BOTH INTERIOR AND EXTERIOR. SIGNAGE VENDOR WILL COORDINATE WITH OWNER AND ARCHITECT TO DEVELOP A SIGNAGE SCHEDULE FOR THE FACILITY WITHIN THE ALLOCATED ALLOWANCE AS INDICATED IN SPECIFICATION SECTION 012100.

6. ALL SIGNAGE SHALL CONFORM TO ANSI/ICC A117.1 2009.

7. ALL DETENTION DOORS SHALL HAVE PRESSURE SENSITIVE VINYL NUMBERS AT DOOR HEAD. CELL DOORS ARE COVERED PER SIGN TYPE "H".



1. FIRE RATED WALLS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING IN A MANNER ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION. SUCH IDENTIFICATION SHALL BE ABOVE ANY DECORATIVE CEILING AND IN CONCEALED SPACES.

2. SIGNS SHALL BE STENCILED OR HUNG ALONG BOTH SIDES OF ALL FIRE RATED AND/OR SMOKE WALLS EVERY 12 LINEAR FEET O.C. THEY SHALL BE WORDED AS ILLUSTRATED.

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS REGISTERED ARCHITECT 11547 NORTH CAROLINA CHARLOTTE, NC 12/12/23

MOSELEY ARCHITECTS, P.C. CORPORATION 50149 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO. 621373	DATE: December 12, 2023
REVISIONS	
DATE	DESCRIPTION

INTERIOR-EXTERIOR SIGNAGE

A3.0.3

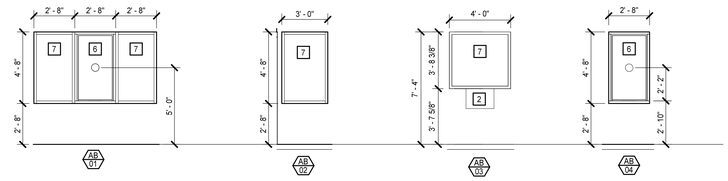
12/13/2023 9:47:05 AM

DOOR SCHEDULE - BASE BID

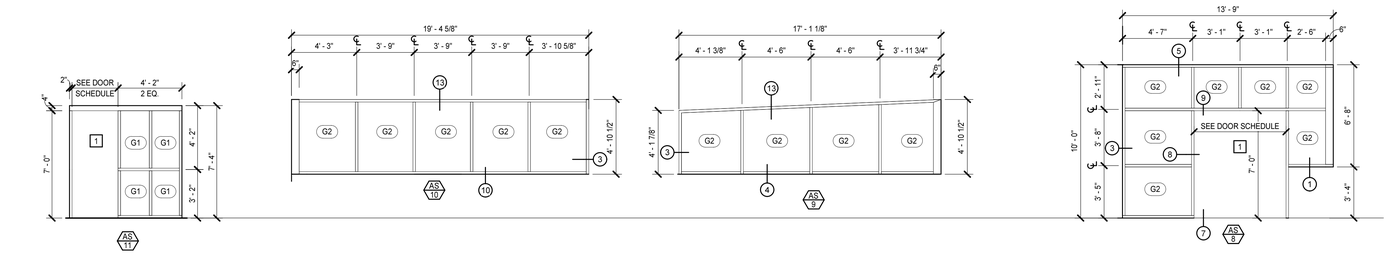
DOOR NUMBER	DOOR TYPE	DOOR SIZE (NOMINAL)	DOOR MATL	DOOR LOUVER	DOOR UC	DOOR GLAZING TYPE	FRAME TYPE	FRAME NUMBER	FRAME SECTIONS	FRAME HEAD DETAIL	FRAME JAMB DETAIL	FRAME JAMB DETAIL	FRAME SILL DETAIL	HDWR SET	FIRE RATING	NOTES
100A	FG	2 @ 3'-0"x7'-0"x2"	ALUM	--	--	G2	AS	8		PER MFR	PER MFR	PER MFR	PER MFR	1.0	--	
100B	FG	2 @ 3'-0"x7'-0"x2"	ALUM	--	--	G1	AS	7		PER MFR	PER MFR	PER MFR	PER MFR	6.0	--	
101	F	3'-0"x7'-0"x1-3/4"	STL	--	--	--	STL	1		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	10.0	--	
103	F	3'-0"x7'-0"x2"	STL	--	--	--	STL	5		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	26.0	--	
104	F	3'-0"x7'-0"x1-3/4"	STL	--	1"	--	STL	2		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	19.0	--	
107	N	3'-0"x7'-0"x1-3/4"	WD	--	--	G1	STL	2		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	25.0	--	
108	N	3'-0"x7'-0"x1-3/4"	WD	--	--	G1	STL	2		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	21.0	--	
109	F	3'-0"x7'-0"x1-3/4" (20 MIN.)	STL	--	--	--	STL	2		2/A3.2.1	2/A3.2.1	2/A3.2.1	--	26.0	20 MIN	
110	N	3'-0"x7'-0"x1-3/4"	WD	--	--	G1	STL	2		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	24.0	--	
111	N	3'-0"x7'-0"x1-3/4"	WD	--	--	G1	STL	2		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	21.0	--	
112	N	3'-0"x7'-0"x1-3/4"	WD	--	--	G1	STL	2		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	21.0	--	
113	N	3'-0"x7'-0"x1-3/4"	WD	--	--	G1	STL	2		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	11.0	--	
114	F	3'-0"x7'-0"x1-3/4" (20 MIN.)	WD	--	1"	--	STL	2		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	13.0	20 MIN	
115	--	3'-6"x7'-0"	--	--	--	--	STL	2		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	--	--	CASED OPENING
116	F	3'-0"x7'-0"x1-3/4" (20 MIN.)	WD	--	1"	--	STL	2		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	13.0	20 MIN	
117	--	3'-6"x7'-0"	--	--	--	--	STL	2		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	--	--	CASED OPENING
118	F	3'-0"x7'-0"x1-3/4" (20 MIN.)	STL	--	--	--	STL	1		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	30.0	20 MIN	
119	FG	3'-0" X 7'-0" X 2"	ALUM	--	--	G1	AS	11		PER MFR	PER MFR	PER MFR	PER MFR	34.0		
120A	F	3'-0"x7'-0"x1-3/4"	STL	--	--	--	STL	2		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	8.0	--	
120B	F	3'-0"x7'-0"x1-3/4"	STL	--	--	--	STL	1		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	4.0	--	
121	F	3'-0"x7'-0"x1-3/4" (20 MIN.)	STL	--	--	--	STL	1		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	27.0	20 MIN	
122	F	3'-0"x7'-0"x1-3/4"	STL	--	1"	--	STL	2		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	17.0	--	
123	F	3'-0"x7'-0"x1-3/4"	STL	--	--	--	STL	1		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	23.0	--	
124	F	3'-0"x7'-0"x1-3/4"	STL	--	--	--	STL	1		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	11.0	--	
125	F	3'-0"x7'-0"x1-3/4"	STL	--	1"	--	STL	2		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	16.0	--	
126	F	3'-0"x7'-0"x1-3/4"	STL	--	1"	--	STL	2		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	16.0	--	
AK004	F	3'-0"x7'-0"x1-3/4"	STL	--	--	--	STL	1		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	23.0	--	
C023	F	2'-6"x7'-0"x1-3/4"	STL	--	1"	--	STL	2		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	31.0	--	
CR003	F	3'-0"x7'-0"x1-3/4" (20 MIN.)	STL	--	--	--	STL	2		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	20.0	20 MIN	
G23	F	3'-0"x7'-0"x1-3/4"	STL	--	--	--	STL	2		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	31.0	--	
H23	F	2'-6"x7'-0"x1-3/4"	STL	--	1"	--	STL	2		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	31.0	--	
K106	F	3'-0"x7'-0"x1-3/4"	STL	--	1"	--	STL	1		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	18.0	--	
K107	F	3'-0"x7'-0"x1-3/4"	STL	--	1"	--	STL	1		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	18.0	--	
K110	F	3'-0"x7'-0"x1-3/4"	STL	--	--	--	STL	1		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	22.0	--	
K111	F	3'-0"x7'-0"x1-3/4"	STL	--	1"	--	STL	1		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	29.0	--	
K112	F	3'-0"x7'-0"x1-3/4"	STL	--	--	--	STL	2		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	29.0	--	
M103	F	3'-0"x7'-0"x1-3/4"	STL	--	--	--	STL	2		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	9.0	--	
M106	F	3'-0"x7'-0"x1-3/4"	STL	--	--	--	STL	2		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	29.0	--	
M107	N	3'-0"x7'-0"x1-3/4"	STL	--	--	--	STL	2		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	12.0	--	
M108	F	3'-0"x7'-0"x1-3/4"	STL	--	1"	--	STL	2		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	19.0	--	
P100B	F	2'-0"x7'-0"x1-3/4"	STL	--	--	--	STL	1		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	31.0	--	
P103	F	3'-0"x7'-0"x1-3/4" (20 MIN.)	STL	--	1"	--	STL	1		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	20.0	20 MIN	
P104	F	3'-0"x7'-0"x1- 3/4"	STL	--	--	--	STL	6		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	12.0	--	
P105C	F	2'-0"x7'-0"x1-3/4"	STL	--	--	--	STL	1		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	31.0	--	
P105D	F	2'-0"x7'-0"x1-3/4"	STL	--	--	--	STL	1		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	31.0	--	
P110	F	3'-0"x7'-0"x1-3/4"	STL	--	1"	--	STL	1		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	29.0	--	
P113	F	3'-0"x7'-0"x1-3/4"	STL	--	--	--	STL	1	A	3/A3.2.1	3/A3.2.1	3/A3.2.1	--	8.0	--	
P115	F	3'-0"x7'-0"x1-3/4"	STL	--	--	--	STL	1	A	3/A3.2.1	3/A3.2.1	3/A3.2.1	--	22.0	--	
P116	F	3'-0"x7'-0"x1-3/4"	STL	--	1"	--	STL	2		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	15.0	--	
P118	F	3'-0"x7'-0"x1-3/4" (20 MIN.)	STL	--	--	--	STL	1		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	14.0	20 MIN	
P120	F	3'-0"x7'-0"x1-3/4" (20 MIN.)	STL	--	--	--	STL	1		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	14.0	20 MIN	
P121	F	3'-0"x7'-0"x1-3/4" (20 MIN.)	STL	--	--	--	STL	1		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	14.0	20 MIN	
S100C	OH	10'-0" x 10'-0"	STL	--	--	--	STL	--		15/A3.1.3	16/A3.1.3	16/A3.1.3	14/A3.1.3	33.0	--	
S101	F	3'-0"x7'-0"x1-3/4" (20 MIN.)	STL	--	--	--	STL	2B		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	3.0	20 MIN	PANIC HARDWARE
S102	F	2 @ 3'-0"x7'-0"x1-3/4"	STL	--	--	--	STL	3		2/A3.2.1	2/A3.2.1	2/A3.2.1	--	5.0	--	PANIC HARDWARE
S103	F	2 @ 3'-0"x7'-0"x1-3/4"	STL	--	--	--	STL	3		2/A3.2.1	2/A3.2.1	2/A3.2.1	--	5.0	--	
S107	F	3'-0"x7'-0"x1-3/4" (20 MIN.)	STL	--	1"	--	STL	1		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	30.0	20 MIN	
S109	F	2 @ 3'-0"x7'-0"x1-3/4" (4" HEAD) 20 MIN	STL	--	--	--	STL	1		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	32.0	20 MIN	
S110	F	2 @ 3'-0"x7'-0"x1-3/4" (4" HEAD) 20 MIN	STL	--	--	--	STL	1		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	7.0	20 MIN	
S113	F	3'-0"x7'-0"x1-3/4" (4" HEAD)	STL	--	--	--	STL	1		2/A3.2.1	2/A3.2.1	2/A3.2.1	--	2.0	--	
S115	F	3'-0"x7'-0"x1-3/4"	STL	--	--	--	STL	1		3/A3.2.1	3/A3.2.1	3/A3.2.1	--	28.0	--	

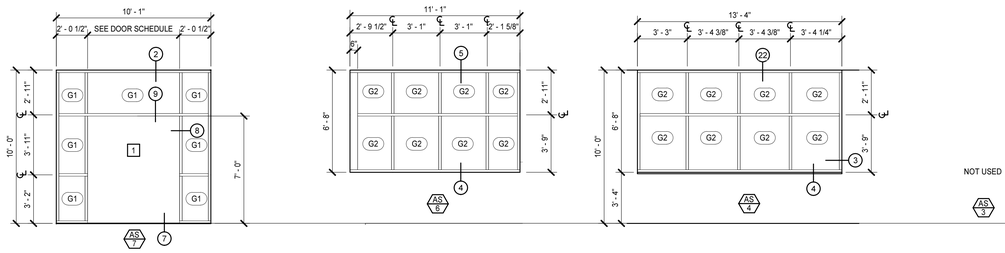
DOOR SCHEDULE - ADD ALTERNATE

DOOR NUMBER	DOOR TYPE	DOOR SIZE (NOMINAL)	DOOR MATL	DOOR LOUVER	DOOR UC	DOOR GLAZING TYPE	FRAME TYPE	FRAME NUMBER	FRAME SECTIONS	FRAME HEAD DETAIL	FRAME JAMB DETAIL	FRAME JAMB DETAIL	FRAME SILL DETAIL	HDWR SET	FIRE RATING	Alternate	NOTES
E23	F	3'-0"x7'-0"x1-3/4"	STL	--	1"	--	STL	2		2/A3.2.1	2/A3.2.1	2/A3.2.1	--	31.0	--	YES	
F23	F	3'-0"x7'-0"x1-3/4"	STL	--	1"	--	STL	2		2/A3.2.1	2/A3.2.1	2/A3.2.1	--	31.0	--	YES	

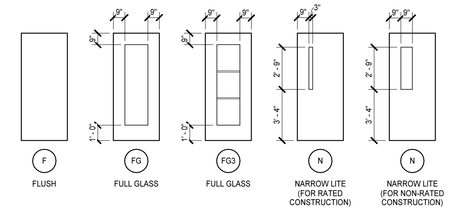


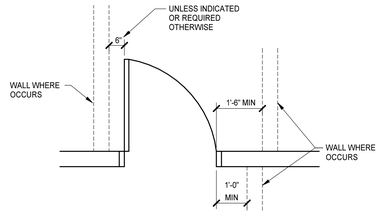
BULLET RESISITANT ALUMINUM FRAME TYPES



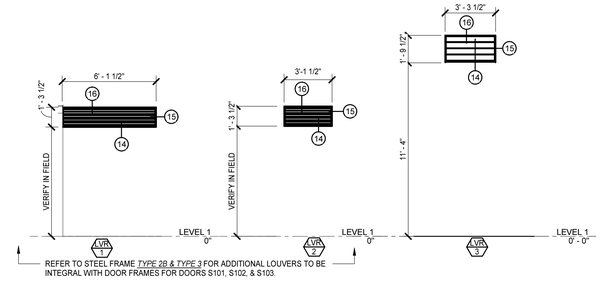


ALUMINUM STOREFRONT TYPES

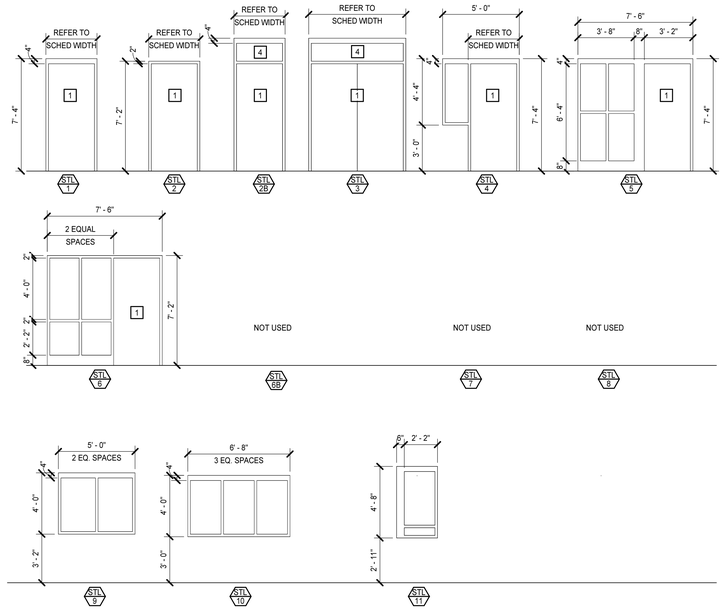




MANEUVERING CLEARANCE AT DOORS



LOUVER TYPES



STEEL FRAME TYPES

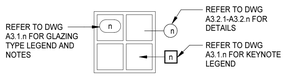
DOOR AND FRAME GENERAL NOTES

A. UNLESS INDICATED OTHERWISE, ALL DETAIL NUMBERS IN THE DOOR AND FRAME SCHEDULE FOR HEAD, JAMB AND SILL CONDITIONS REFER TO DRAWINGS A3.2.1 - A3.2.n.

B. DOOR AND FRAME DETAILS INDICATE GENERAL CHARACTERISTICS OF DOOR AND FRAME SIZES AND COMPONENTS AND MAY NOT INDICATE EXACT FIELD CONDITIONS OR REQUIREMENTS. COORDINATE DETAILS WITH OTHER DRAWINGS AND SPECS TO DETERMINE ALL COMPONENTS (E.G., SEALANTS, ANCHORS, HARDWARE, LINTELS, CLIPS) REQUIRED FOR COMPLETE AND FUNCTIONAL INSTALLATION.

C. DOOR SWINGS ON FLOOR PLANS TAKE PRECEDENCE OVER SWINGS INDICATED ELSEWHERE (E.G., ELEVATIONS).

DOOR, FRAME, & GLAZING TYPE GENERAL NOTES



GLAZING TYPES

REPRESENTED BY: n

G1: 1/4" CLEAR

G2: 1" TINTED INSULATING

G3: 1" SPANDREL PANEL

G4: .....

NOTES:
1. ALL GLAZING IN INTERIOR FRAMES SHALL BE TYPE 1, UNO
2. ALL GLAZING IN EXTERIOR FRAMES SHALL BE TYPE 2, UNO
3. GLAZE ALL OPENINGS IN FRAMES UNLESS SPECIFICALLY INDICATED OTHERWISE
4. ALL GLAZING SHALL BE SAFETY GLASS UNLESS INDICATED OTHERWISE

DOOR, FRAME AND GLAZING TYPE KEYNOTES

APPLIES TO DRAWINGS A3.1.1 - A3.1.n
REPRESENTED BY n

1. SIZE AS REQUIRED TO ACCOMMODATE DOOR, HARDWARE AND FRAME COMPONENTS.
2. COORDINATE LOCATION OF PACKAGE PASS WHERE REQUIRED
3. COORDINATE LOCATION OF SCOOP TRAY
4. LOUVER LOCATION
5. PAPER PASS
6. BULLET-RESISTANT SECURITY WINDOW WITH SPEAK-THROUGH AND PASS-THROUGH
7. BULLET-RESISTANT SECURITY WINDOW - REFER TO SECTION 085653

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS REGISTERED ARCHITECT 11547 NORTH CAROLINA CHARLOTTE, NC 12/12/23

MOSELEY ARCHITECTS P.A. CORPORATE SEAL 50149 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

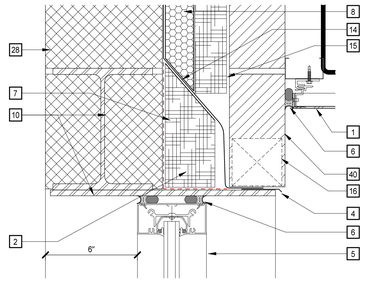
DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO	DATE:
621373	December 12, 2023
REVISIONS	
DATE	DESCRIPTION

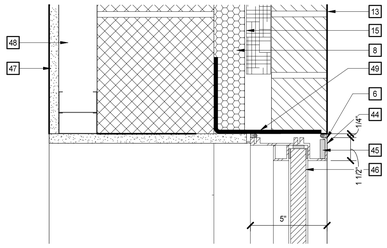
DOOR AND FRAME SCHEDULE

A3.1.1

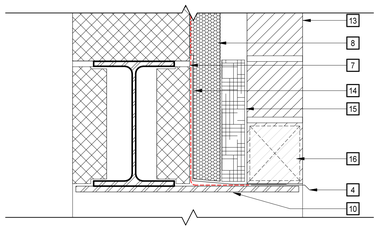
12/13/2023 9:47:09 AM



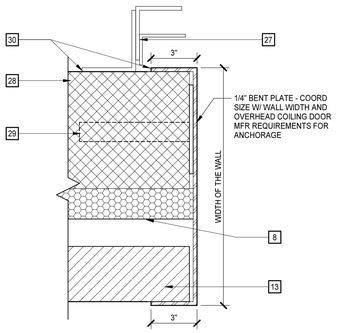
22 HEAD DETAIL - STOREFRONT
A3.1.1 A3.1.3 3" = 1'-0"



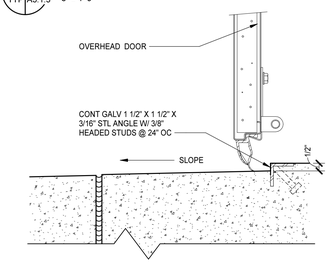
21 HEAD DETAIL - B.R. ALUMINUM
A8.2 A3.1.3 3" = 1'-0"



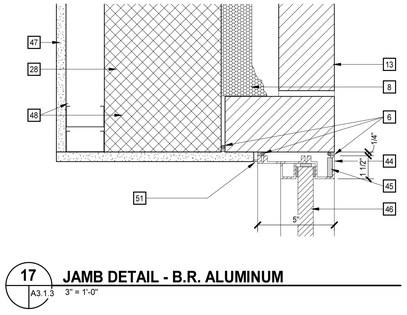
20 HEAD DETAIL - O.C.D.
TYP A3.1.3 3" = 1'-0"



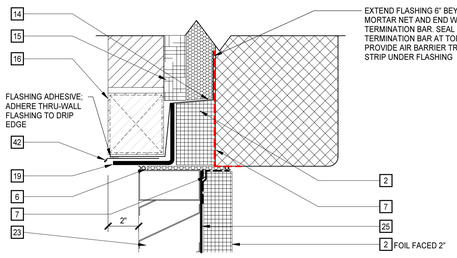
19 JAMB DETAIL - O.C.D.
TYP A3.1.3 3" = 1'-0"



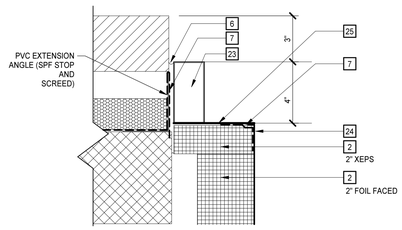
18 SILL DETAIL - O.C.D.
TYP A3.1.3 3" = 1'-0"



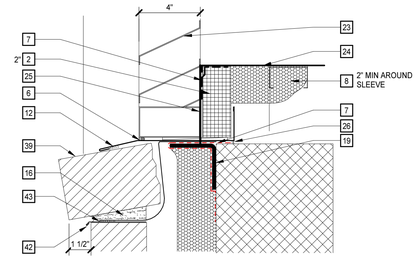
17 JAMB DETAIL - B.R. ALUMINUM
A3.1.3 3" = 1'-0"



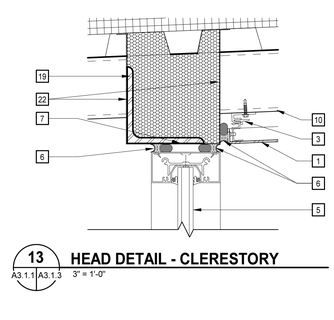
16 HEAD DETAIL - LOUVER
TYP A3.1.3 3" = 1'-0"



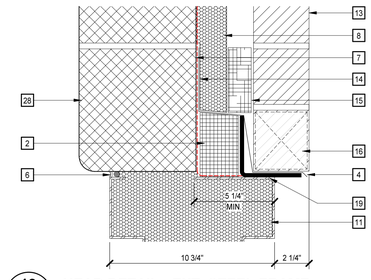
15 JAMB DETAIL - LOUVER
TYP A3.1.3 3" = 1'-0"



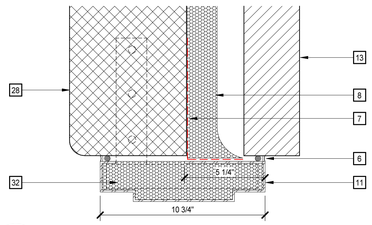
14 SILL DETAIL - LOUVER
TYP A3.1.3 3" = 1'-0"



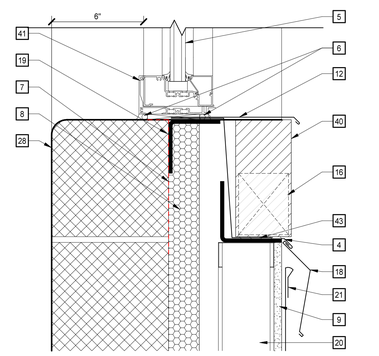
13 HEAD DETAIL - CLERESTORY
A3.1.1 A3.1.3 3" = 1'-0"



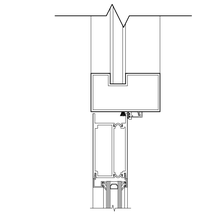
12 HEAD DETAIL - EXT. STEEL FRAME
TYP A3.1.3 3" = 1'-0"



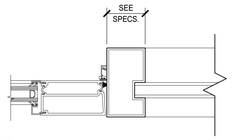
11 JAMB DETAIL - EXT. STEEL FRAME
TYP A3.1.3 3" = 1'-0"



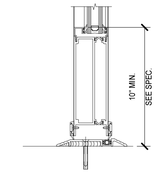
10 SILL DETAIL - CLERESTORY
A3.1.1 A3.1.3 3" = 1'-0"



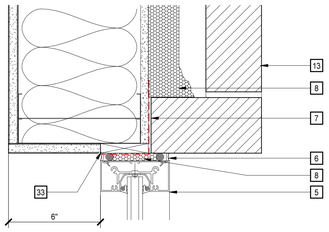
9 HEAD DETAIL - STOREFRONT DOOR
TYP A3.1.3 3" = 1'-0"



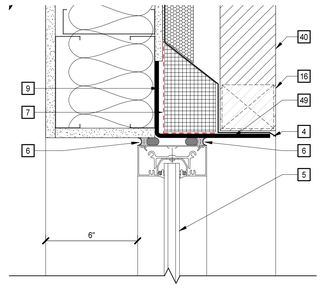
8 JAMB DETAIL - STOREFRONT DOOR
TYP A3.1.3 3" = 1'-0"



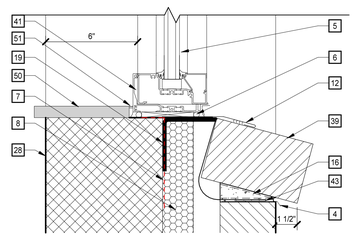
7 SILL DETAIL - STOREFRONT DOOR
TYP A3.1.3 3" = 1'-0"



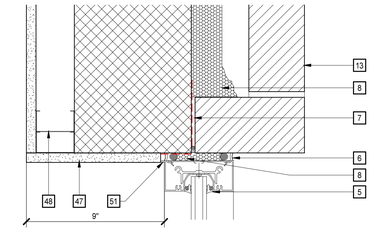
6 JAMB DETAIL - STOREFRONT
TYP A3.1.3 3" = 1'-0"



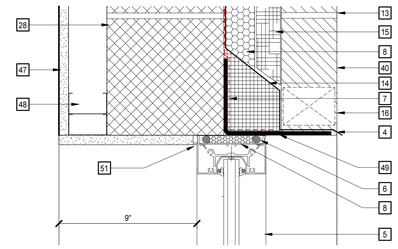
5 HEAD DETAIL - STOREFRONT
A3.1.1 A3.1.3 3" = 1'-0"



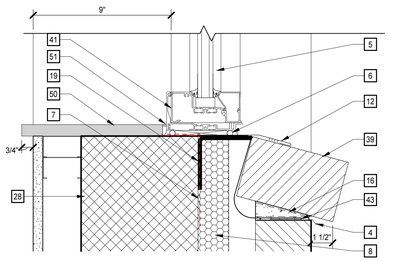
4 SILL DETAIL - STOREFRONT
A3.1.1 A3.1.3 3" = 1'-0"



3 JAMB DETAIL - STOREFRONT
A3.1.1 A3.1.3 3" = 1'-0"



2 HEAD DETAIL - STOREFRONT
A3.1.1 A3.1.3 3" = 1'-0"



1 SILL DETAIL - STOREFRONT
A3.1.1 A3.1.3 3" = 1'-0"

DOOR, FRAME AND GLAZING TYPE KEYNOTES
REPRESENTED BY ( )

1	ALUMINUM COMPOSITE METAL PANEL
2	RIGID INSULATION
3	METAL PANEL CLIP - SEE PANEL MFR. WRITTEN & GRAPHIC INSTALLATION INSTRUCTIONS.
4	DRIP FLASHING
5	ALUMINUM STOREFRONT SYSTEM
6	SEALANT AND BACKER ROD
7	AIR BARRIER TRANSITION MEMBRANE
8	SPF INSULATION / AIR BARRIER
9	GLASS-MAT EXTERIOR GYPSUM SHEATHING
10	STRUCTURAL STEEL PER S-SERIES
11	STEEL FRAME. FILL WITH SPF INSULATION
12	ALUMINUM SILL PAN FLASHING
13	FACE BRICK - UTILITY SIZE - COLOR 1
14	THROUGH WALL FLASHING
15	CAVITY DRAINAGE MATERIAL
16	CELL WEEP / VENT
18	COUNTER FLASHING
19	STEEL ANGLE PER S-SERIES
20	CFSF-S FRAMING
21	ROOF MEMBRANE
22	CONT. BREAK METAL WRAP AT BOTH SIDES OF STOREFRONT
23	LOUVER
24	HVAC SLEEVE
25	ALUMINUM BLANK-OFF PANEL
26	CONTINUOUS SEALANT
27	OVERHEAD DOOR GUIDE FRAMING
28	CMU WALL, THICKNESS VARIES
29	MASONRY VENEER ANCHOR
30	SEALANT. ALL SIDES - TOOL TO 90°
32	STEEL STUD ANCHOR
33	FRT EXTERIOR BLOCKING SHIM AS REQ.D
39	BRICK ROWLOCK SILL. MIN 15% SLOPE.
40	BRICK SOLDIER COURSE
41	SILL PAN W/ END DAMS PROVIDED BY STOREFRONT MANUFACTURER
42	DRIP EDGE ; 1/4" EXTENSION
43	FLASHING ADHESIVE; ADHERE THRU-WALL FLASHING TO DRIP EDGE
44	EXTRUDED ALUMINUM FRAME - ALIGN WITH FACE OF BRICK VENEER
45	BULLET RESISTANT ARMOR
46	BULLET RESISTANT SECURITY GLAZING
47	5/8" GWB
48	CFSF-NS
49	STEEL BENT PLATE
50	SOLID SURFACE WINDOW STOOL
51	SEALANT

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS REGISTERED ARCHITECT 11547 NORTH CAROLINA CHARLOTTE, NC 12/12/23

MOSELEY ARCHITECTS, P.A. CHARLOTTE, NC 50149 NORTH CAROLINA

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO: 621373 DATE: December 12, 2023

REVISIONS

DATE	DESCRIPTION

WINDOW, DOOR, AND LOUVER DETAILS

A3.1.3

12/13/2023 9:47:18 AM

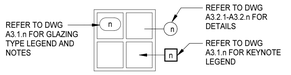
DOOR AND FRAME GENERAL NOTES

A. UNLESS INDICATED OTHERWISE, ALL DETAIL NUMBERS IN THE DOOR AND FRAME SCHEDULE FOR HEAD, JAMB AND SILL CONDITIONS REFER TO DRAWINGS A3.2.1 - A3.2.n.

B. DOOR AND FRAME DETAILS INDICATE GENERAL CHARACTERISTICS OF DOOR AND FRAME SIZES AND COMPONENTS AND MAY NOT INDICATE EXACT FIELD CONDITIONS OR REQUIREMENTS. COORDINATE DETAILS WITH OTHER DRAWINGS AND SPECS TO DETERMINE ALL COMPONENTS (E.G., SEALANTS, ANCHORS, HARDWARE, LINTELS, CLIPS) REQUIRED FOR COMPLETE AND FUNCTIONAL INSTALLATION.

C. DOOR SWINGS ON FLOOR PLANS TAKE PRECEDENCE OVER SWINGS INDICATED ELSEWHERE (E.G., ELEVATIONS).

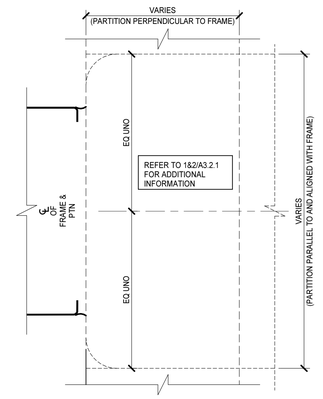
DOOR, FRAME, & GLAZING TYPE GENERAL NOTES



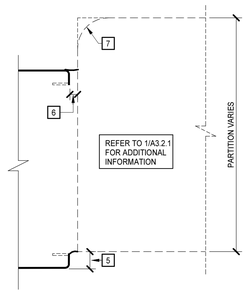
DOOR AND FRAME DETAIL KEYNOTES

REPRESENTED BY A

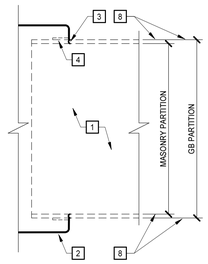
1	ANCHORAGES, REINFORCING, SPECIFIC PARTITION CONSTRUCTION AND/ OR LINTELS ARE NOT SHOWN FOR CLARITY.
2	REFER TO FRAME SECTION IN DOOR SCHEDULE FOR TYPE.
3	SEALANT, ALL SIDES - TOOL TO 90°.
4	BACKBEND RETURN @ GB LOCATIONS ONLY.
5	9/16" @ MAS; 1/2" @ GB.
6	1/4" @ JAMBS, UNO; DIMENSION @ HEAD & SILL VARIES
7	BULLNOSE @ CMU JAMBS & SILLS.
8	0" @ GB LOCATIONS; 1/16" @ MAS LOCATIONS.



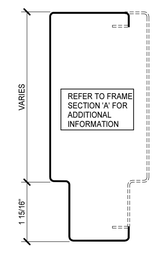
2 TYP A3.2.1 INTERIOR BETWEEN THE JAMB - BUTTED HEAD/JAMB/SILL 6" = 1'-0"



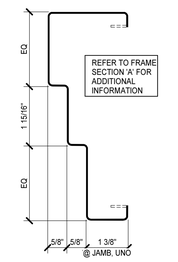
4 TYP A3.2.1 INTERIOR BETWEEN THE JAMB - PROJECTED HEAD/JAMB/SILL 6" = 1'-0"



3 TYP A3.2.1 INTERIOR WRAP HEAD/JAMB/SILL 6" = 1'-0"

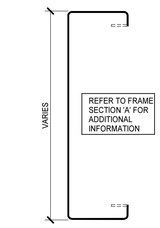


SINGLE RABBET
D

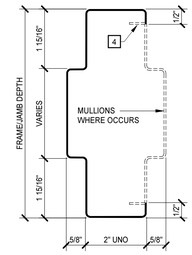


DBL EGRESS @ JAMB ONLY
B

HEAD SECTION SIMILAR



CASED OPENING
C



DBL RABBET
A

1. ALL FRAME/JAMB DEPTHS, OTHER THAN WRAP CONDITIONS, SHALL BE 5-3/4", UNO.
2. ALL FRAME/JAMB DEPTHS AT WRAP CONDITIONS SHALL BE SIZED TO SUIT PARTITION.
3. DOORS, PANELS, GLAZING, STOPS, AND OTHER FRAME INFILLS ARE NOT SHOWN IN FRAME SECTIONS AS THEY VARY - PROVIDE SAME WHERE INDICATED.

1 TYP A3.2.1 STEEL FRAME SECTIONS 6" = 1'-0"

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS
REGISTERED ARCHITECT
11547
NORTH CAROLINA
CHARLOTTE, NC
12/12/23

MOSELEY ARCHITECTS, P.C.
REGISTERED ARCHITECTURAL CORPORATION
50149
NORTH CAROLINA
CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE:
621373	December 12, 2023

REVISIONS

DATE	DESCRIPTION

DOOR AND FRAME DETAILS

A3.2.1

12/13/2023 9:47:20 AM

DETENTION DOOR SCHEDULE - BASE BID

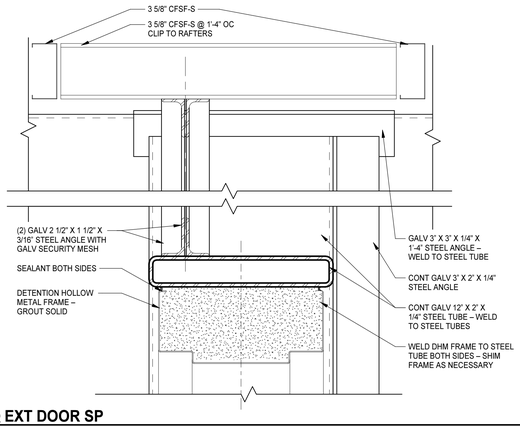
NUMBER	HDWR SET NO.	DOOR TYPE	DOOR SIZE (NOMINAL)	DOOR MATL	DOOR SECURITY GLAZING TYPE	FRAME TYPE	FRAME NUMBER	FRAME HEAD DETAIL	FRAME JAMB DETAIL	FRAME SILL DETAIL	KEYING SECURITY	KEYING MASTER	FIRE RATING	OPTIONS SHUTTER	OPTIONS FOOD PASS	NOTES
DB1	SH3	DG	3'-0"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DB2	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DB3	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DB4	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DB5	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DB6	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DB7	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DB8	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DB9	SH2A	DN	3'-6"x7'-0"x2"	DHM	SG-16F	DHM	1	10	9	--	M2	MA	1/3 HR			
DB25	SH1A	DFG	3'-0"x7'-0"x2"	DHM	INSG-1	DHM	1	4	3	--	M2	MA	--			
DB30	SH10	DF	3'-0"x7'-0"x2"	DHM	--	DHM	1	10	9	--	P1	--	1/3 HR			
DC1	SH3	DG	3'-0"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DC2	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DC3	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DC4	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DC5	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DC6	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DC7	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DC8	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DC9	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DC10	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DC11	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DC12	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DC13	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DC14	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DC15	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DC16	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DC17	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DC18	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DC19	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DC20	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DC21	SH2A	DN	3'-6"x7'-0"x2"	DHM	SG-16F	DHM	1	10	9	--	M2	MA	1/3 HR			
DC24A	SH1B	DF	3'-0"x7'-0"x2"	DHM	--	DHM	1	10/A3.3.2	11/A3.3.2	5/A3.3.2	M1	--	--			
DC24B	SH1A	DF	3'-0"x7'-0"x2"	DHM	--	DHM	1	4	3	--	M2	MA	--			
DC25A	SH1B	DF	3'-0"x7'-0"x2"	DHM	--	DHM	1	6	5	--	M1	--	--			
DC25B	SH1A	DFG	3'-0"x7'-0"x2"	DHM	INSG-1	DHM	6	12	11	--	M2	MA	--			
DC30	SH9	DF	3'-0"x7'-0"x2"	DHM	--	DHM	2	4	3	--	P1	--	--			
DCR004	SH7A	DF	3'-0"x7'-0"x2"	DHM	--	DHM	2	2	1	--	B2	BA	1/3 HR			
DD1	SH3	DG	3'-0"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DD2	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DD3	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DD4	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DD5	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DD6	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DD7	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DD8	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DD9	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DD10	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DD11	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DD12	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DD13	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DD14	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DD15	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DD16	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DD17	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DD18	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DD19	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DD20	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DD21	SH2A	DN	3'-6"x7'-0"x2"	DHM	SG-16F	DHM	1	10	9	--	M2	MA	1/3 HR			
DD24A	SH1B	DF	3'-0"x7'-0"x2"	DHM	--	DHM	1	10/A3.3.2	11/A3.3.2	5/A3.3.2	M1	-	--			
DD24B	SH1A	DF	3'-0"x7'-0"x2"	DHM	--	DHM	1	4	3	--	M2	MA	--			
DD25A	SH1B	DF	3'-0"x7'-0"x2"	DHM	--	DHM	1	6	5	--	M1	--	--			
DD25B	SH1A	DFG	3'-0"x7'-0"x2"	DHM	INSG-1	DHM	6	12	11	--	M2	MA	--			
DD30	SH9	DF	3'-0"x7'-0"x2"	DHM	--	DHM	2	4	3	--	P1	--	--			
DE21	SH2A	DN	3'-6"x7'-0"x2"	DHM	SG-16F	DHM	1	10	9	--	M2	MA	1/3 HR			
DF21	SH2A	DN	3'-6"x7'-0"x2"	DHM	SG-16F	DHM	1	10	9	--	M2	MA	1/3 HR			
DG1	SH3	DG	3'-0"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DG2	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DG3	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DG4	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DG5	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DG6	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DG7	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DG8	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DG9	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DG10	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DG11	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DG12	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DG13	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DG14	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DG15	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DG16	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DG17	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DG18	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DG19	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DG20	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DG21	SH2A	DN	3'-6"x7'-0"x2"	DHM	SG-16F	DHM	1	10	9	--	M2	MA	1/3 HR			
DG24A	SH1B	DF	3'-0"x7'-0"x2"	DHM	--	DHM	1	10/A3.3.2	11/A3.3.2	5/A3.3.2	M1	--	--			
DG24B	SH1A	DF	3'-0"x7'-0"x2"	DHM	--	DHM	1	4	3	--	M2	MA	--			
DG25A	SH1B	DF	3'-0"x7'-0"x2"	DHM	--	DHM	1	6	5	--	M1	--	--			
DG25B	SH1A	DFG	3'-0"x7'-0"x2"	DHM	INSG-1	DHM	6	12	11	--	M2	MA	--			
DG30	SH9	DF	3'-0"x7'-0"x2"	DHM	--	DHM	2	4	3	--	P1	--	--			
DH1	SH3	DG	3'-0"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DH2	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DH3	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DH4	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DH5	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DH6	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DH7	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DH8	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DH9	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DH10	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DH11	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DH12	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DH13	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DH14	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DH15	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DH16	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DH17	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DH18	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DH19	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DH20	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DH21	SH2A	DN	3'-6"x7'-0"x2"	DHM	SG-16F	DHM	1	10	9	--	M2	MA	1/3 HR			
DH24A	SH1B	DF	3'-0"x7'-0"x2"	DHM	--	DHM	1	10/A3.3.2	11/A3.3.2	5/A3.3.2	M1	--	--			
DH24B	SH1A	DF	3'-0"x7'-0"x2"	DHM	--	DHM	1	4	3	--	M2	MA	--			
DH25A	SH1B	DF	3'-0"x7'-0"x2"	DHM	--	DHM	1	6	5	--	M1	--	--			
DH25B	SH1A	DFG	3'-0"x7'-0"x2"	DHM	INSG-1	DHM	6	12	11	--	M2	MA	--			
DH30	SH9	DF	3'-0"x7'-0"x2"	DHM	--	DHM	2	4	3	--	P1	--	--			
DJ1	SH3	DG	3'-0"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DJ2	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DJ3	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DJ4	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DJ5	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DJ6	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DJ7	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DJ8	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	--	M3	MA	--		•	
DJ9	SH2A	DN	3'-6"x7'-0"x2"	DHM	SG-16F	DHM	1	10	9	--	M2	MA	1/3 HR			
DJ25	SH2A	DFG	3'-0"x7'-0"x2"	DHM	INSG-1	DHM	1	4	3	--	M2	MA	--			
DJ30	SH10	DF	3'-0"x7'-0"x2"	DHM	--	DHM	1	2	1	--	P1	--	3/4 HR			
DK100	SH2A	DG	3'-6"x7'-0"x2"	DHM	SG-16F	DHM	1	10	9	--	M6	MA	1/3 HR			
DK101	SH2A	DG	3'-6"x7'-0"x2"	DHM	SG-16F	DHM	1	10	9	--	M6	MA	1/3 HR			
DK112	SH2A	DN	4'-0"x7'-0"x2"	DHM	SG-18F	DHM	1	19	16	--	M6	MA	1 1/2 HR			
DM101	SH2	DN	3'-0"x7'-0"x2"	DHM	SG-18F	DHM	1	19	16	--	M7	MA	1 1/2 HR			
DP100A	SH6	DFG	3'-6"x7'-0"x2"	DHM	INSG-1	DHM	3	18	17	13	M1	--	--			
DP101	SH3	DG	3'-0"x7'-0"x2"	DHM	SG-2P	DHM	4	2	1	--	M3	MA	---		•	
DP102	SH3	DG	3'-0"x7'-0"x2"	DHM	SG-2P	DHM	4	2	1	--	M3	MA	---		•	
DP105A	SH6	DFG	3'-6"x7'-0"x2"	DHM	SG-2P	DHM	3A	15	14	13	M2	MA	--			
DP105B	SH6A	DFG	3'-6"x7'-0"x2"	DHM	SG-16F	DHM	3	15	14	13	M2	MA	1/3 HR			
DP106	SH3	DG	3'-0"x7'-0"x2"	DHM	SG-2P	DHM	4	2	1	--	M3	MA	---		•	
DP107	SH3	DG	3'-0"x7'-0"x2"	DHM	SG-2P	DHM	4	2	1	--	M3	MA	---		•	
DP108	SH3	DG	3'-0"x7'-0"x2"	DHM	SG-2P	DHM	4	2	1	--	M3	MA	---		•	
DP109	SH3	DG	3'-0"x7'-0"x2"	DHM	SG-2P	DHM	5	2	1	--	M3	MA	--		•	
DP111	SH7	DV	3'-0"x7'-0"x2"	DHM	SG-3P	DHM	2	2	1	--	B1	BA	--			
DP112	SH7	DV	3'-0"x7'-0"x2"	DHM	SG-3P	DHM	2	2	1	--	B1	BA	--			
DP117	SH5	DN	3'-0"x7'-0"x2"	DHM	SG-16F	DHM	1	10	9	--	M3	MA	1/3 HR			
DP119	SH7	DV	3'-0"x7'-0"x2"	DHM	SG-16F	DHM	1	2	1	--	B1	BA	1/3 HR			
DP122	SH2A	DN	3'-0"x7'-0"x2"	DHM	SG-16F	DHM	1	10	9	--	M2	MA	1/3 HR			
DP123	SH2A	DN	3'-0"x7'-0"x2"	DHM	SG-3P	DHM	1	2	1	--	M2	MA	--			
DS100A	SH1	DF	4'-0"x7'-0"x2"	DHM	--	DHM	1	4	3	--	M1	-	--			
DS100B	SH2	DN	4'-0"x7'-0"x2"	DHM	SG-1P	DHM	1	2	1	--	M6	MA	--			
DS106A	SH2	DN	3'-0"x7'-0"x2"	DHM	SG-3P	DHM	1	2	1	--	M2	MA	--			
DS106B	SH2	DN	3'-0"x7'-0"x2"	DHM	SG-16F	DHM	1	10	9	--	M2	MA	1/3 HR			
DS108	SH5	DN	3'-0"x7'-0"x2"	DHM	SG-18F	DHM	1	19	16	--	M5	MA	1 1/2 HR			

DETENTION DOOR SCHEDULE - BASE BID

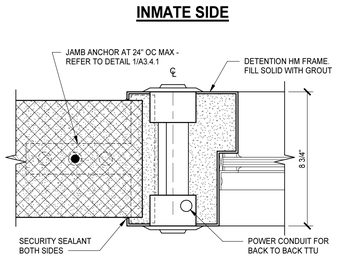
NUMBER	HDWR SET NO.	DOOR TYPE	DOOR SIZE (NOMINAL)	DOOR MATL	DOOR SECURITY GLAZING TYPE	FRAME TYPE	FRAME NUMBER	FRAME HEAD DETAIL	FRAME JAMB DETAIL	FRAME SILL DETAIL	KEYING SECURITY	KEYING MASTER	FIRE RATING	OPTIONS SHUTTER	OPTIONS FOOD PASS	NOTES
DS111	SH6A	DN	3'-6"x7'-0"x2"	DHM	SG-18F	DHM	3	18	17	13	M2	MA	1 1/2 HR			
DS112A	SH2	DN	3'-0"x7'-0"x2"	DHM	SG-16F	DHM	1	10	9	--	M2	MA	3/4 HR			
DS112B	SH4	DN	3'-0"x7'-0"x2"	DHM	SG-16F	DHM	1	10	9	--	M4	--	3/4 HR			
DSP01A	SH2	DF	3'-0"x7'-0"x2"	DHM	--	DHM	1	2	1	--	M1	--	--			
DSP01B	SH2	DF	3'-0"x7'-0"x2"	DHM	--	DHM	1	2	1	--	M2	MA	--			
DSP02A	SH1	DF	3'-0"x7'-0"x2"	DHM	--	DHM	1	4	3	--	M1	--	--			
DSP02B	SH2	DFG	3'-0"x7'-0"x2"	DHM	SG-2P	DHM	1	2	1	--	M2	MA	--			
DSP03	SH2	DF	3'-0"x7'-0"x2"	DHM	--	DHM	1	2	1	--	M1	--	--			
DSP04	SH2	DFG	3'-0"x7'-0"x2"	DHM	SG-2P	DHM	5	2	1	--	M2	MA	--			

DETENTION DOOR SCHEDULE - ALTERNATE

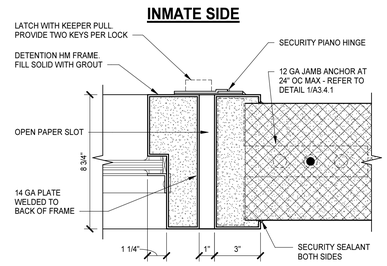
NUMBER	HDWR SET NO.	DOOR TYPE	DOOR SIZE (NOMINAL)	DOOR MATL	DOOR SECURITY GLAZING TYPE	FRAME TYPE	FRAME NUMBER	FRAME HEAD DETAIL	FRAME JAMB DETAIL	FRAME JAMB DETAIL	FRAME SILL DETAIL	KEYING SECURITY	KEYING MASTER	FIRE RATING	OPTIONS SHUTTER	OPTIONS FOOD PASS	NOTES
DE1	SH3	DG	3'-0"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	PER MFR	--	M3	MA	--		•	
DE2	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	PER MFR	--	M3	MA	--		•	
DE3	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	PER MFR	--	M3	MA	--		•	
DE4	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	PER MFR	--	M3	MA	--		•	
DE5	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	PER MFR	--	M3	MA	--		•	
DE6	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	PER MFR	--	M3	MA	--		•	
DE7	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	PER MFR	--	M3	MA	--		•	
DE8	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	PER MFR	--	M3	MA	--		•	
DE9	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	PER MFR	--	M3	MA	--		•	
DE10	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	PER MFR	--	M3	MA	--		•	
DE11	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	PER MFR	--	M3	MA	--		•	
DE12	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	PER MFR	--	M3	MA	--		•	
DE13	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	PER MFR	--	M3	MA	--		•	
DE14	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	PER MFR	--	M3	MA	--		•	
DE15	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	PER MFR	--	M3	MA	--		•	
DE16	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	PER MFR	--	M3	MA	--		•	
DE17	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	PER MFR	--	M3	MA	--		•	
DE18	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	PER MFR	--	M3	MA	--		•	
DE19	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	PER MFR	--	M3	MA	--		•	
DE20	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	PER MFR	--	M3	MA	--		•	
DE24A	SH1B	DF	3'-0"x7'-0"x2"	DHM	--	DHM	1	10/A3.3.2	11/A3.3.2	11/A3.3.2	5/A3.3.2	M1	--	--			
DE24B	SH1A	DF	3'-0"x7'-0"x2"	DHM	--	DHM	1	4	3	3	--	M2	MA	--			
DE25A	SH1B	DF	3'-0"x7'-0"x2"	DHM	--	DHM	1	6	5	5	--	M1	--	--			
DE25B	SH1A	DFG	3'-0"x7'-0"x2"	DHM	INSG-1	DHM	6	12	11	11	--	M2	MA	--			
DE30	SH9	DF	3'-0"x7'-0"x2"	DHM	--	DHM	2	4	3	3	--	P1	--	--			
DF1	SH3	DG	3'-0"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	PER MFR	--	M3	MA	--		•	
DF2	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	PER MFR	--	M3	MA	--		•	
DF3	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	PER MFR	--	M3	MA	--		•	
DF4	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	PER MFR	--	M3	MA	--		•	
DF5	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	PER MFR	--	M3	MA	--		•	
DF6	SH3	DG	2'-8"x7'-0"x 2"	DHM	SG-2P	DHM	1	PER MFR	PER MFR	PER MFR	--	M3	MA	--		•	
DF7	SH3	DG	2'-8"x7'-0"x



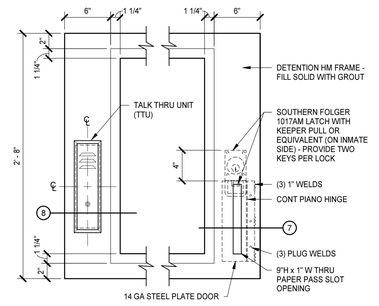
10 A3.3.2 **HEAD DETAIL @ EXT DOOR SP**
3" = 1'-0"



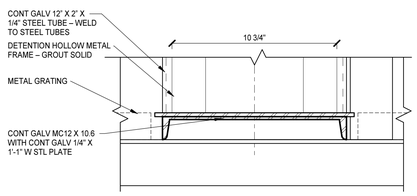
8 A3.3.2 A3.3.2 **SECTION THRU TTU**
3" = 1'-0"



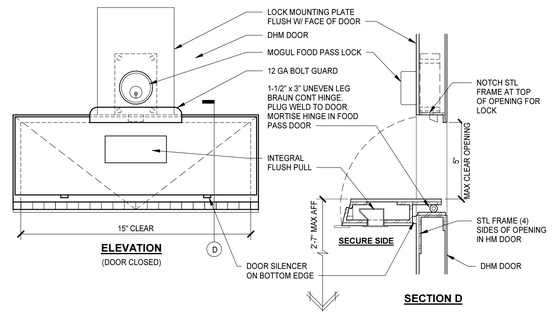
7 A3.3.2 A3.3.2 **SECTION THRU PAPER PASS**
3" = 1'-0"



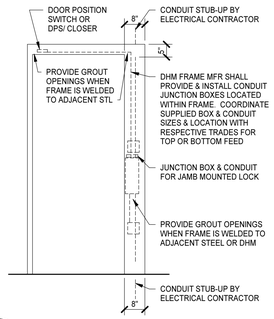
6 TYP A3.3.2 **ELEVATION - VISITATION WINDOW**
1 1/2" = 1'-0"



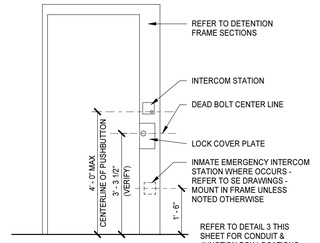
5 A3.3.2 **SILL DETAIL @ EXT DOOR SP**
3" = 1'-0"



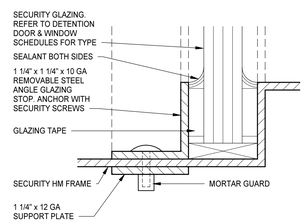
4 TYP A3.3.2 **FOOD PASS - 90 DEGREE OPENING**
3" = 1'-0"



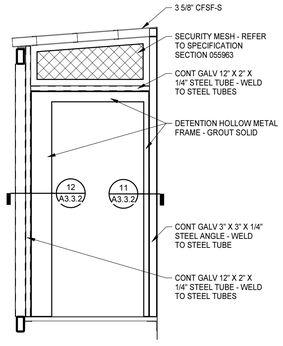
3 TYP A3.3.2 **FRAME ELEVATION DETAILS**
1/2" = 1'-0"



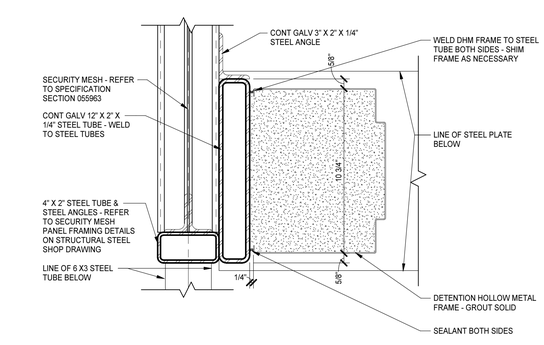
2 TYP A3.3.2 **FRAME ELEVATION DETAIL**
1/2" = 1'-0"



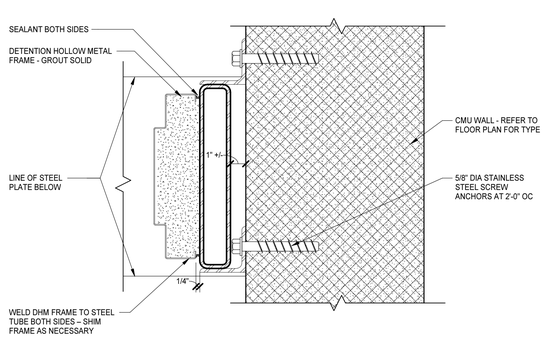
1 TYP A3.3.2 **SECURITY GLAZING STOP**
12" = 1'-0"



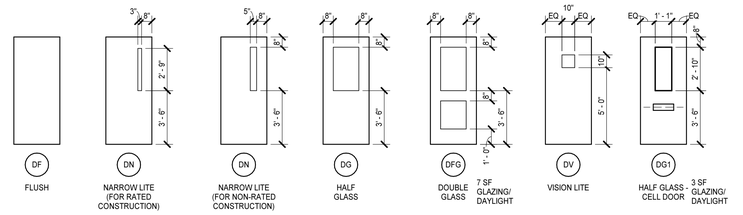
13 A3.3.2 **EXT DOOR @ SP**
1/2" = 1'-0"



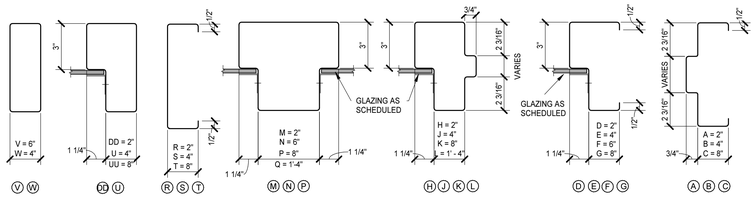
12 A3.3.2 A3.3.2 **JAMB DETAIL - EXT LEFT**
3" = 1'-0"



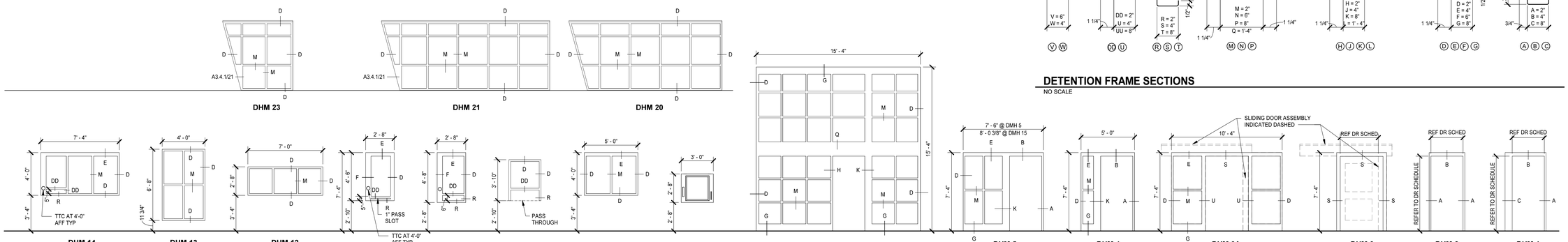
11 A3.3.2 A3.3.2 **JAMB DETAIL - EXT**
3" = 1'-0"



DETENTION DOOR TYPES
NO SCALE



DETENTION FRAME SECTIONS
NO SCALE



DETENTION FRAME TYPES
NO SCALE

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS — REGISTERED ARCHITECT — 11547 — NORTH CAROLINA — CHARLOTTE, NC — 12/12/23

MOSELEY ARCHITECTS, P.A. — CORPORATE SEAL — 50149 — NORTH CAROLINA — CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE:
621373	December 12, 2023

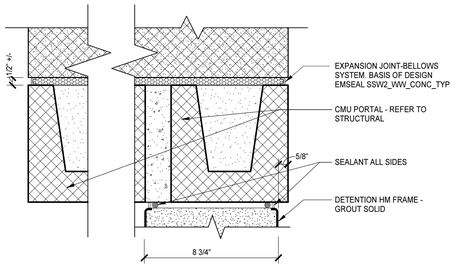
REVISIONS

DATE	DESCRIPTION

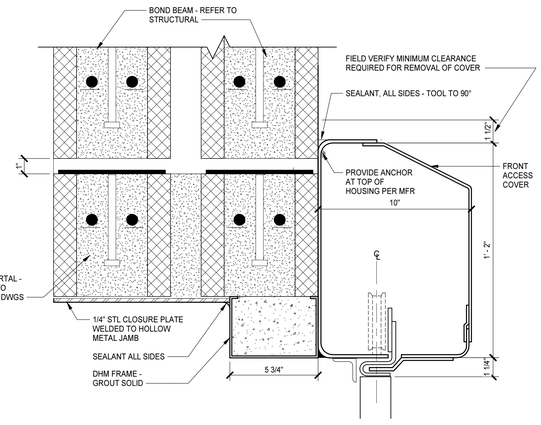
DETENTION DOOR, FRAME AND GLAZING TYPES

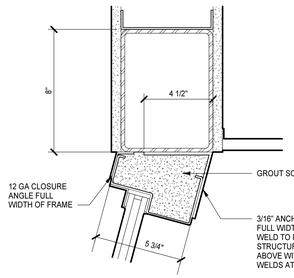
A3.3.2

12/13/2023 9:47:30 AM

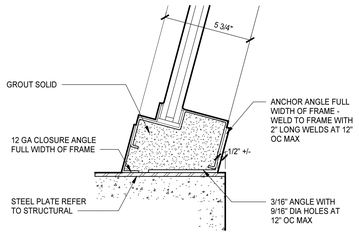


19 TYP A3.4.1 HEAD DETAIL - PORTAL
3" = 1'-0"

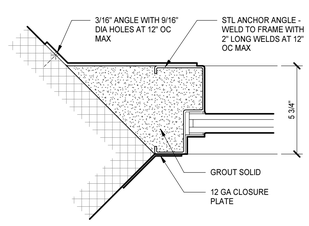




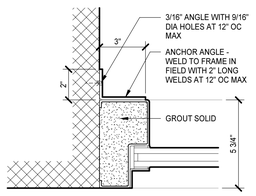
23 TYP A3.4.1 HEAD DETAIL - CONTROL ROOM
3" = 1'-0"



22 TYP A3.4.1 SILL DETAIL - CONTROL ROOM
3" = 1'-0"

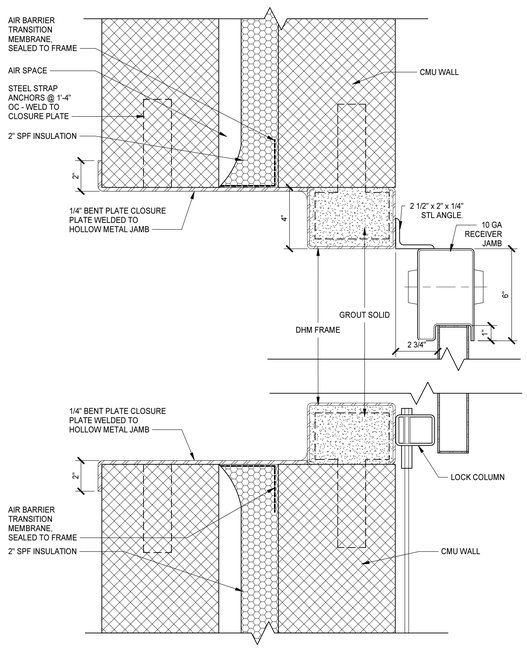


21 TYP A3.4.1 JAMB DETAIL 2 - CONTROL ROOM
3" = 1'-0"

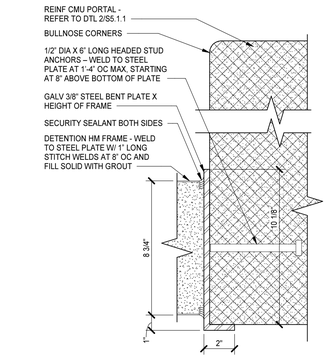


20 TYP A3.4.1 JAMB DETAIL - CONTROL ROOM
3" = 1'-0"

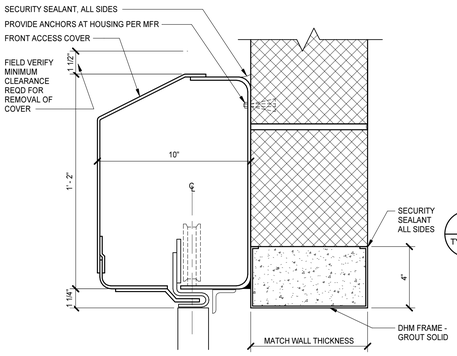
18 TYP A3.4.1 HEAD DETAIL AT PORTAL
3" = 1'-0"



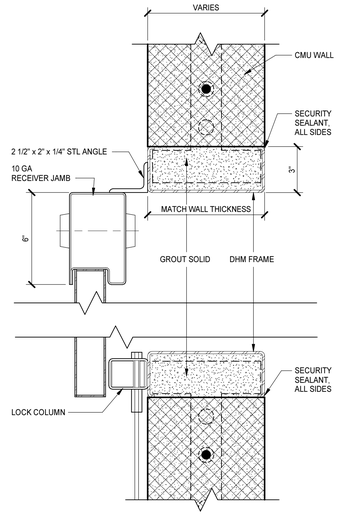
17 TYP A3.4.1 JAMB DETAIL - SLIDE DOUBLE WALL
3" = 1'-0"



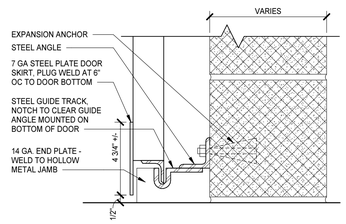
16 TYP A3.4.1 JAMB DETAIL - CHASE DR PORTALS
3" = 1'-0"



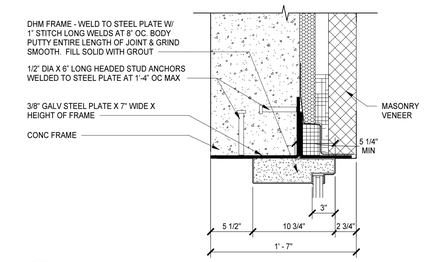
15 TYP A3.4.1 HEAD DETAIL
3" = 1'-0"



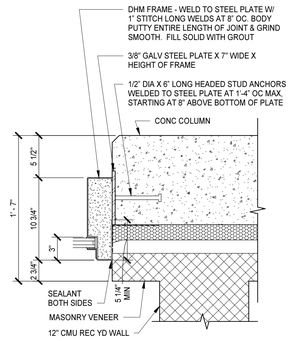
14 TYP A3.4.1 JAMB DETAIL - SLIDER
3" = 1'-0"



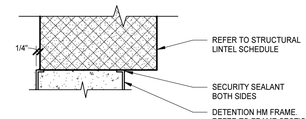
13 TYP A3.4.1 SILL DETAIL - SLIDER
3" = 1'-0"



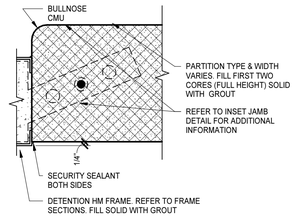
12 TYP A3.4.1 HEAD DETAIL - REC YD FRAMES
1 1/2" = 1'-0"



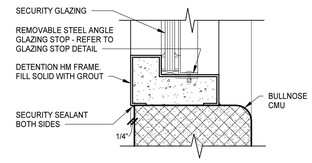
11 TYP A3.4.1 JAMB DETAIL - REC YD FRAMES
1 1/2" = 1'-0"



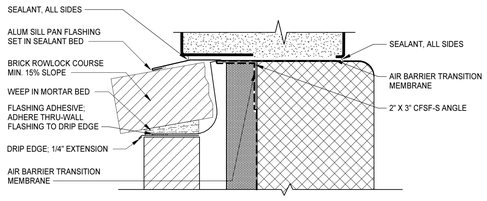
10 TYP A3.4.1 HEAD DETAIL - INSET
3" = 1'-0"



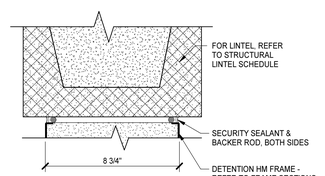
9 TYP A3.4.1 JAMB DETAIL - INSET
3" = 1'-0"



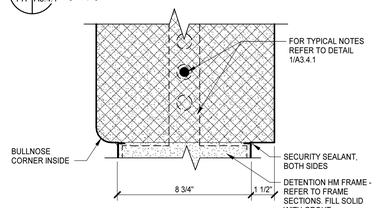
8 TYP A3.4.1 SILL DETAIL - WINDOW (CMU)
3" = 1'-0"



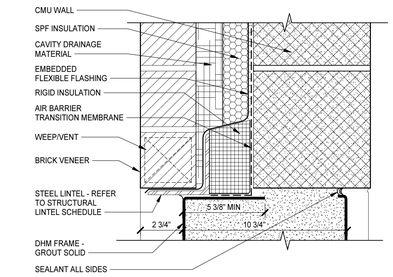
7 TYP A3.4.1 EXTERIOR WINDOW SILL DET
3" = 1'-0"



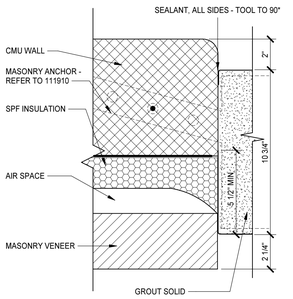
6 TYP A3.4.1 HEAD DETAIL - REC YD DR IN CMU
3" = 1'-0"



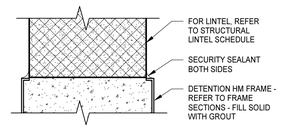
5 TYP A3.4.1 JAMB DETAIL - REC YD DR IN CMU
3" = 1'-0"



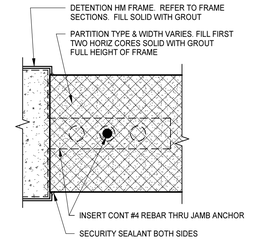
4 TYP A3.4.1 HEAD DETAIL
3" = 1'-0"



3 TYP A3.4.1 JAMB DETAIL - DETENTION DOOR
3" = 1'-0"



2 TYP A3.4.1 HEAD DETAIL - WRAP
3" = 1'-0"



1 TYP A3.4.1 JAMB DETAIL - WRAP
3" = 1'-0"

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS REGISTERED ARCHITECT 11547 NORTH CAROLINA CHARLOTTE, NC 12/12/23

MOSELEY ARCHITECTS, P.C. REGISTERED CORPORATION 50149 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

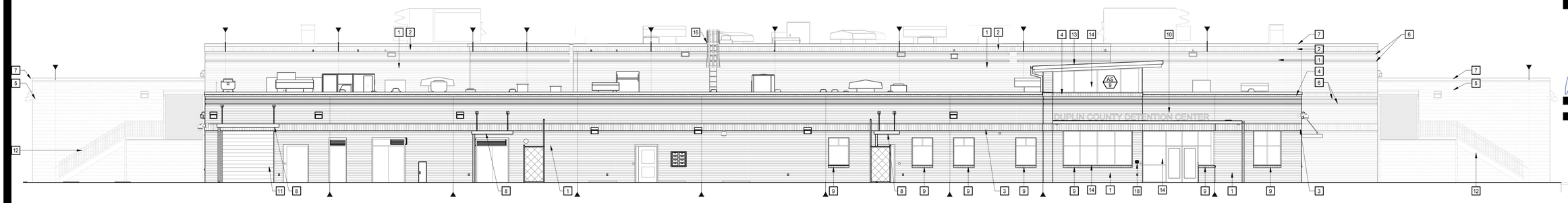
PROJECT NO: 621373	DATE: December 12, 2023
REVISIONS	
DATE	DESCRIPTION

DETENTION DOOR, FRAME AND FRAME DETAILS

A3.4.1

12/13/2023 9:47:34 AM

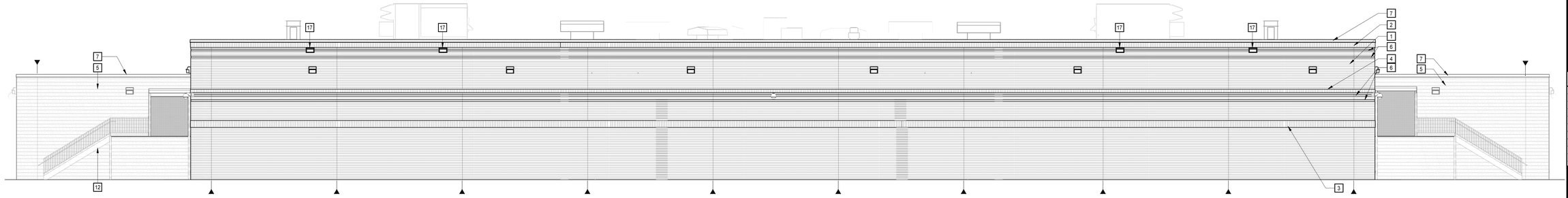
BUILDING ELEVATION KEYNOTES (REPRESENTED BY ◇)	
1	FACE BRICK - UTILITY SIZE - COLOR 1
2	DOUBLE SOLDIER COURSE - COLOR 2
3	DOUBLE SOLDIER COURSE - COLOR 1
4	SOLDIER COURSE - COLOR 2
5	GROUND FACE CMU
6	5/8" RECESSED BRICK COURSE - COLOR 1
7	METAL COPING
8	PRE-ENGINEERED PROTECTIVE COVER
9	BRICK ROWLOCK SILL. MIN 15% SLOPE.
10	BUILDING SIGNAGE
11	OVERHEAD COILING DOOR
12	EXTERIOR HOT-DIPPED GALVANIZED METAL STAIRS AND RAILINGS
13	STANDING SEAM METAL ROOF
14	ALUMINUM STOREFRONT SYSTEM
15	FREE STANDING FALL PREVENTION GUARDRAIL
16	ROOF LADDER WITH CAGE
17	EMERGENCY OVERFLOW SCUPPERS
18	KNOX BOX LOCATION



1 / A2.0.1 | A4.1.1 — **ELEVATION**
1/8" = 1'-0"



2 / A2.0.1 | A4.1.1 — **ELEVATION**
1/8" = 1'-0"



3 / A2.0.1 | A4.1.1 — **ELEVATION - BASE BID**
1/8" = 1'-0"

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS — REGISTERED ARCHITECT — 11547 — NORTH CAROLINA — CHARLOTTE, NC — 12/12/23

MOSELEY ARCHITECTS, P.A. — CORPORATE NUMBER — 50149 — NORTH CAROLINA — CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE:
621373	December 12, 2023

REVISIONS

DATE	DESCRIPTION

BUILDING ELEVATIONS

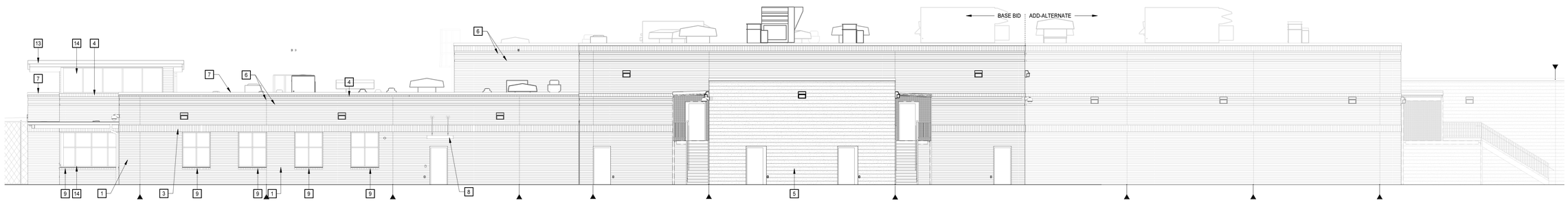
A4.1.1

12/13/2023 9:47:52 AM

BUILDING ELEVATION KEYNOTES	
REPRESENTED BY [#]	
1	FACE BRICK - UTILITY SIZE - COLOR 1
2	DOUBLE SOLDIER COURSE - COLOR 2
3	DOUBLE SOLDIER COURSE - COLOR 1
4	SOLDIER COURSE - COLOR 2
5	GROUND FACE CMU
6	5/8" RECESSED BRICK COURSE - COLOR 1
7	METAL COPING
8	PRE-ENGINEERED PROTECTIVE COVER
9	BRICK ROWLOCK SILL. MIN 15% SLOPE.
10	BUILDING SIGNAGE
11	OVERHEAD COILING DOOR
12	EXTERIOR HOT-DIPPED GALVANIZED METAL STAIRS AND RAILINGS
13	STANDING SEAM METAL ROOF
14	ALUMINUM STOREFRONT SYSTEM
15	FREE STANDING FALL PREVENTION GUARDRAIL
16	ROOF LADDER WITH CAGE
17	EMERGENCY OVERFLOW SCUPPERS
18	KNOX BOX LOCATION



2 A2.0.2 | A4.1.2 **ELEVATION - ADD ALTERNATE**
1/8" = 1'-0"



1 A2.0.1 | A4.1.2 **ELEVATION**
1/8" = 1'-0"

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS
REGISTERED ARCHITECT
11547
NORTH CAROLINA
CHARLOTTE, NC
12/12/23

MOSELEY ARCHITECTS, P.A.
REGISTERED ARCHITECTURAL CORPORATION
50149
NORTH CAROLINA
CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

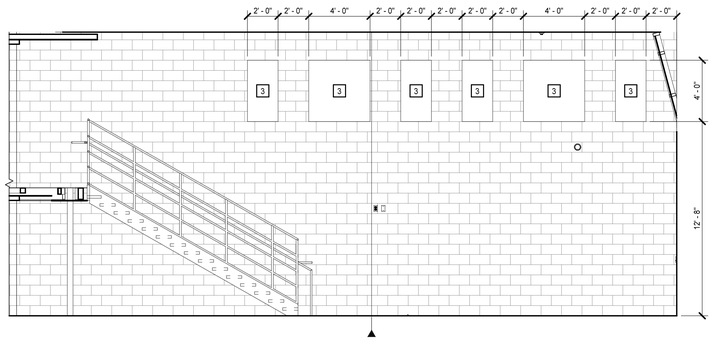
DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO: 621373	DATE: December 12, 2023
REVISIONS	
DATE	DESCRIPTION

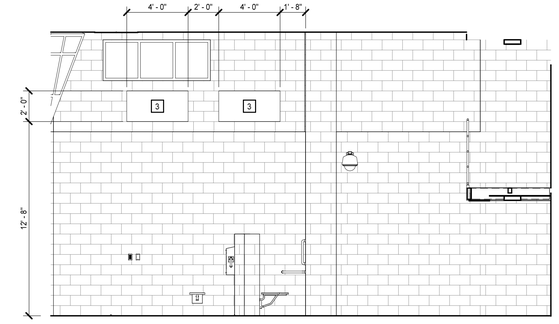
BUILDING ELEVATIONS

A4.1.2

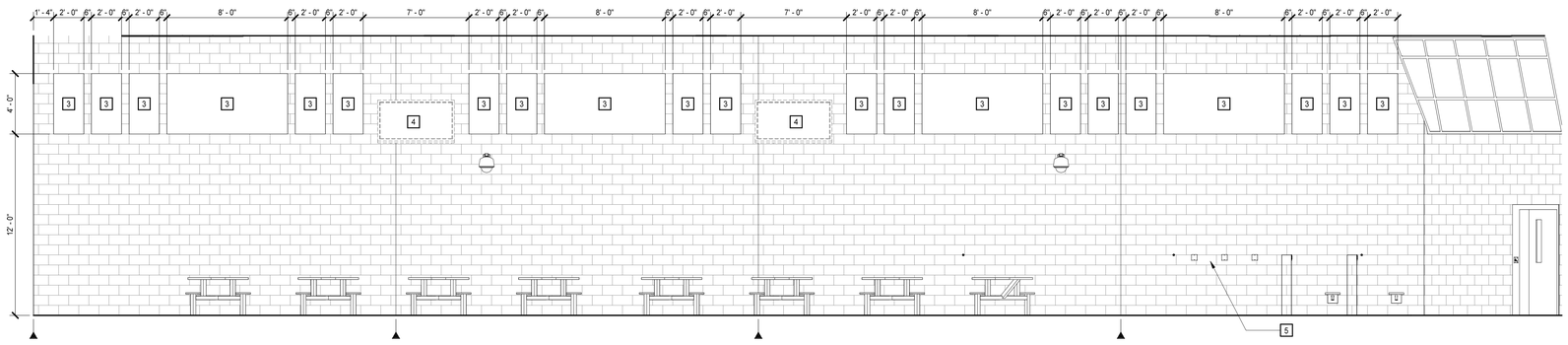
12/13/2023 9:48:05 AM



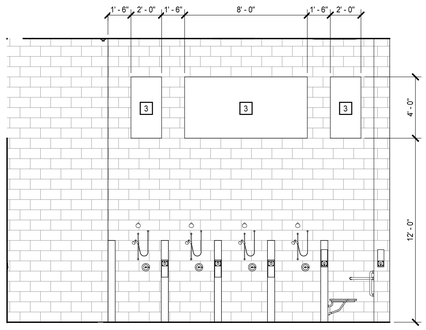
12 A2.2.0 A4.2.1 **INTERIOR ELEVATION**
1/4" = 1'-0"



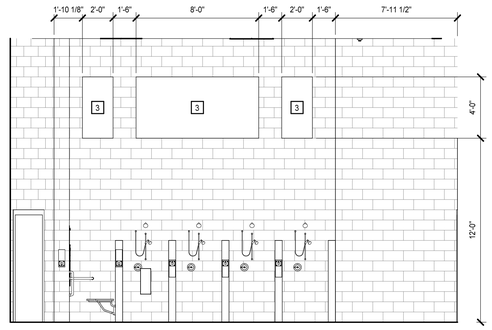
11 A2.2.2 A4.2.1 **INTERIOR ELEVATION**
1/4" = 1'-0"



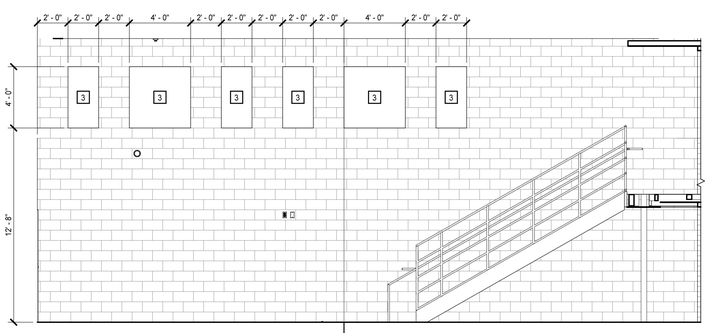
10 A2.1.0 A4.2.1 **INTERIOR ELEVATION**
1/4" = 1'-0"



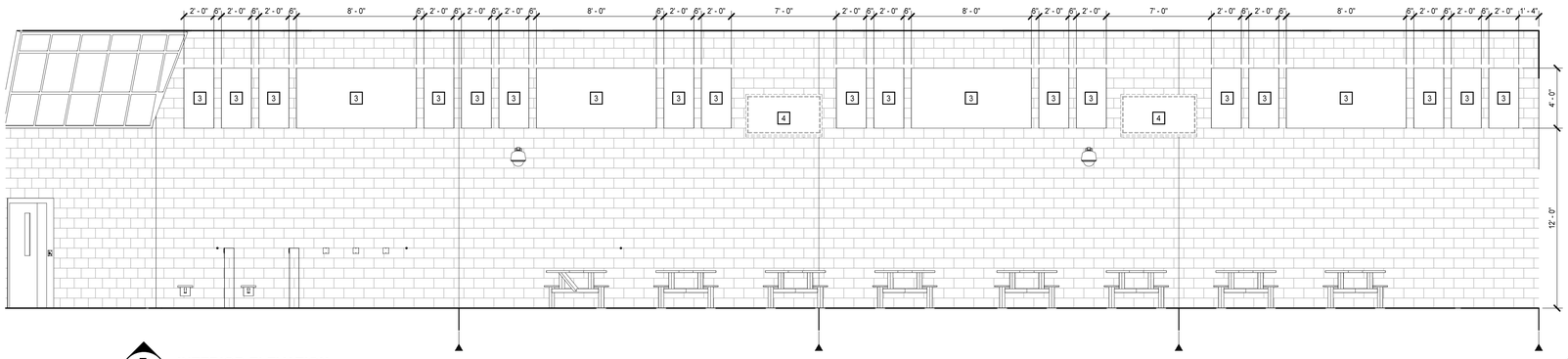
9 A2.1.0 A4.2.1 **INTERIOR ELEVATION**
1/4" = 1'-0"



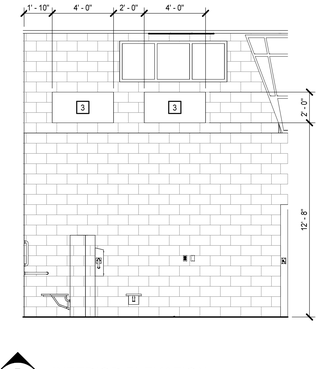
8 A2.1.0 A4.2.1 **INTERIOR ELEVATION**
1/4" = 1'-0"



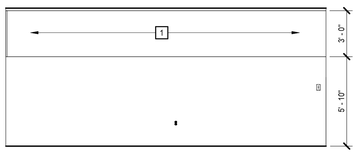
6 A2.2.0 A4.2.1 **INTERIOR ELEVATION**
1/4" = 1'-0"



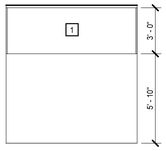
7 A2.1.0 A4.2.1 **INTERIOR ELEVATION**
1/4" = 1'-0"



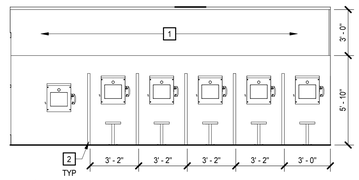
5 A2.2.0 A4.2.1 **INTERIOR ELEVATION**
1/4" = 1'-0"



4 A7.1.1 A4.2.1 **VIDEO VISITATION - E**
1/4" = 1'-0"



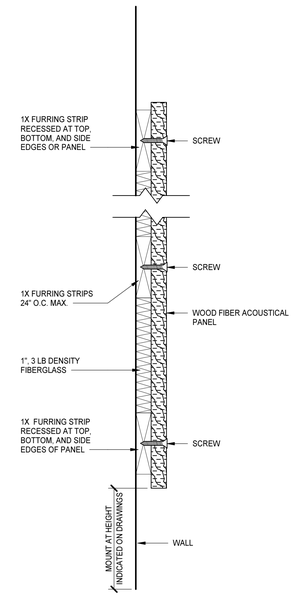
3 A7.1.1 A4.2.1 **VIDEO VISITATION - N**
1/4" = 1'-0"



2 A7.1.1 A4.2.1 **VIDEO VISITATION - W**
1/4" = 1'-0"

INTERIOR ELEVATION KEYNOTES
REPRESENTED BY ⟨n⟩

1	ACOUSTIC STRETCH-FABRIC SYSTEM (AWP-A)
2	STAINLESS STEEL PARTITION - 58"H X 42"D
3	WOOD FIBER ACOUSTICAL PANEL (AWP-B) - REFER TO MOUNTING DETAIL ON A4.2.1.
4	TELEVISION (NIC)
5	EQUIPMENT (NIC) WILL COVER OUTLETS - TYP.



WOOD FIBER PANEL MOUNTING DETAIL
NO SCALE

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS
REGISTERED ARCHITECT
11547
NORTH CAROLINA
CHARLOTTE, NC
12/12/23

MOSELEY ARCHITECTS, P.A.
CHARLOTTE, NORTH CAROLINA
CORPORATE SEAL
50149
NORTH CAROLINA
REGISTERED
CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO:	DATE:
621373	December 12, 2023
REVISIONS	
DATE	DESCRIPTION

INTERIOR ELEVATIONS

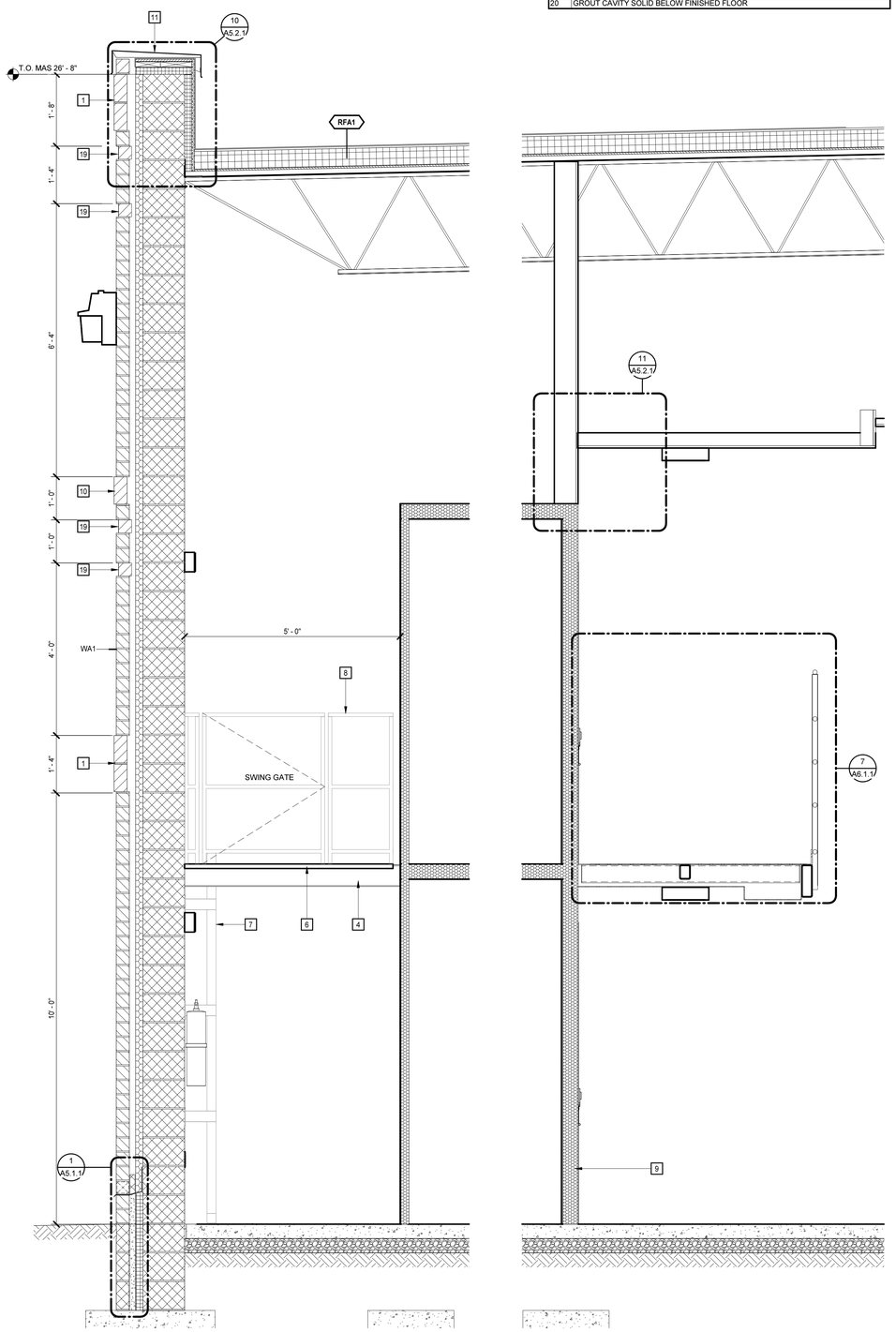
A4.2.1

12/13/2023 9:48:16 AM

WALL SECTION KEYNOTES

REPRESENTED BY ⟨n⟩

1	5/8" PROJECTED DOUBLE SOLDIER COURSE
2	REC YARD SLAB RECESSED 1/4"
3	SECURITY BARRIER MESH, 1/4" X 6" BATTEN PLATE AND THRU BOLTS AT 12" O.C.
4	STRUCTURAL STEEL PER S-SERIES
5	CEILING PER A-9 SERIES
6	1-1/4" STEEL GRATE
7	WALL MOUNTED STEEL LADDER
8	42" HIGH 1-1/2" STEEL TUBE GUARDRAIL & GATE
9	STEEL CELL PER DIV. 13
10	5/8" PROJECTED SOLDIER COURSE
11	PRE-ENGINEERED METAL COPING SYSTEM
12	DETENTION HOLLOW METAL FRAME - REFER TO DETENTION FRAME SCHEDULE
13	EXPANDED METAL MESH SECURITY SCREEN
14	STANDING SEAM METAL ROOF
15	ALUMINUM STOREFRONT SYSTEM
16	ALUMINUM COMPOSITE METAL PANEL
17	CFSF-S FRAMING
18	COUNTER FLASHING
19	5/8" RECESSED BRICK COURSE
20	GROUT CAVITY SOLID BELOW FINISHED FLOOR



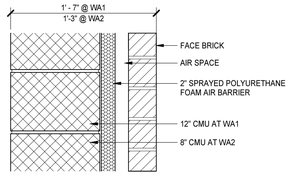
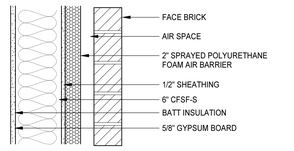
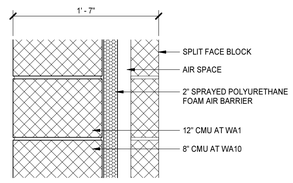
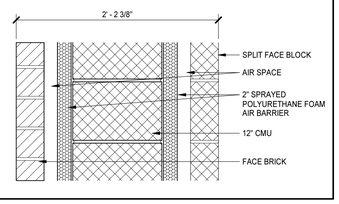
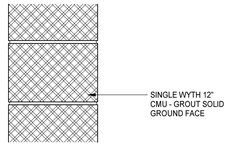
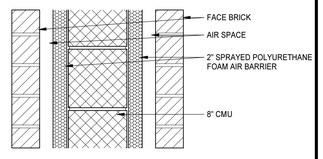
2 WALL SECTION

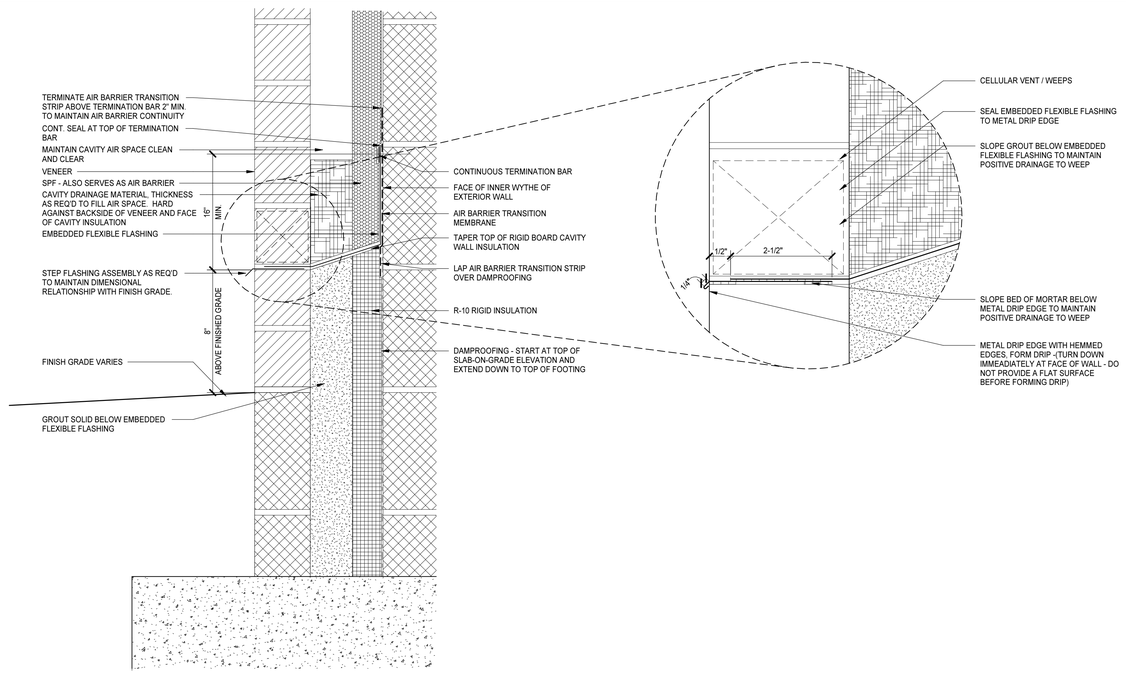
A2.2.0 | A5.1.1 — 3/4" = 1'-0"

EXTERIOR WALL ASSEMBLIES

APPLIES TO A5.1 AND A5.2 SERIES OF DRAWINGS

REPRESENTED BY WAn

MARK	FIRE RATING (REFER TO LS 1.1 FOR LEGEND)	REMARKS	INFORMATION
WA1 WA2	⟨⟩		
WA3	⟨⟩		
WA4	⟨⟩	SEE PLANS FOR WALL RATINGS	
WA5	⟨⟩	SEE PLANS FOR WALL RATINGS	
WA6	⟨⟩		
WA7	⟨⟩		



1 BASE OF EXTERIOR CAVITY WALL

A5.1.1 | A5.1.1 — 3" = 1'-0"

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS — REGISTERED ARCHITECT — 11547 — NORTH CAROLINA — CHARLOTTE, NC — 12/12/23

MOSELEY ARCHITECTS, P.A. — CORPORATE NUMBER — 50149 — NORTH CAROLINA — CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464

DUPLIN COUNTY

325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO:	DATE:
621373	December 12, 2023

REVISIONS

DATE	DESCRIPTION

WALL SECTIONS

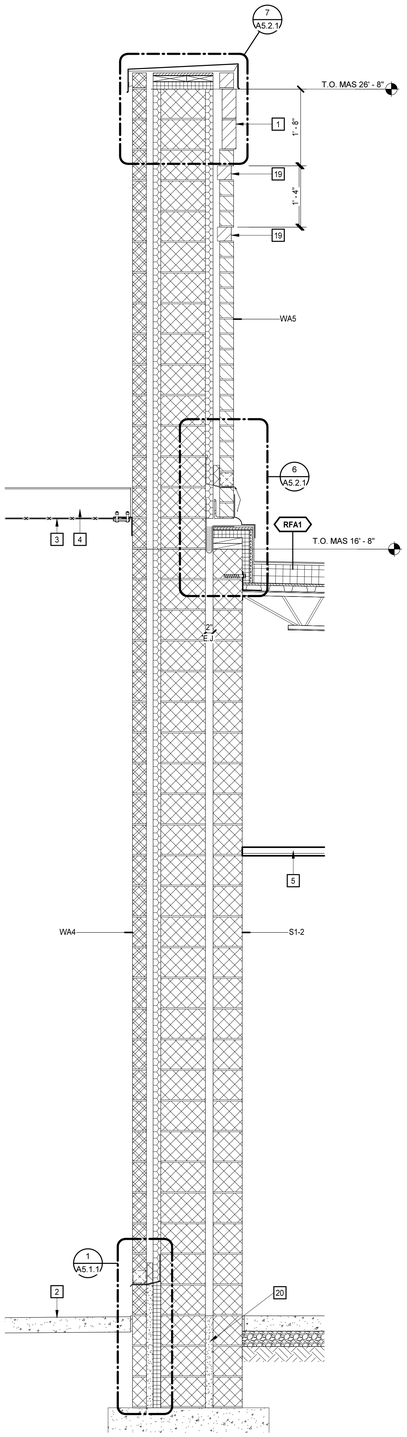
A5.1.1

12/13/2023 9:48:20 AM

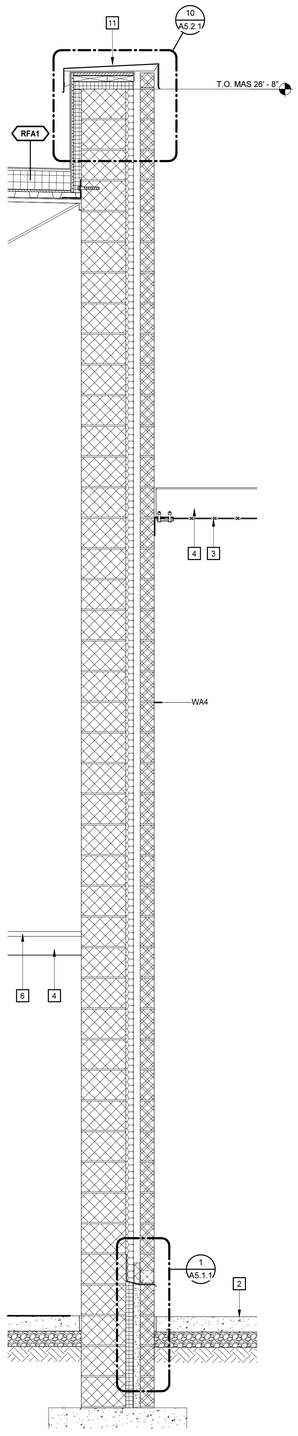
WALL SECTION KEYNOTES

REPRESENTED BY [#]

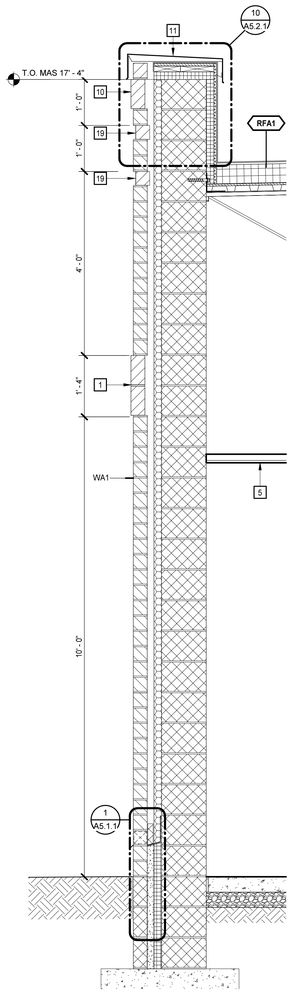
1	5/8" PROJECTED DOUBLE SOLDIER COURSE
2	REC YARD SLAB RECESSED 1/4"
3	SECURITY BARRIER MESH, 1/4" X 6" BATTEN PLATE AND THRU BOLTS AT 12" O.C.
4	STRUCTURAL STEEL PER S-SERIES
5	CEILING PER A-9 SERIES
6	1-1/4" STEEL GRATE
7	WALL MOUNTED STEEL LADDER
8	42" HIGH 1-1/2" STEEL TUBE GUARDRAIL & GATE
9	STEEL CELL PER DIV. 13
10	5/8" PROJECTED SOLDIER COURSE
11	PRE-ENGINEERED METAL COPING SYSTEM
12	DETENTION HOLLOW METAL FRAME - REFER TO DETENTION FRAME SCHEDULE
13	EXPANDED METAL MESH SECURITY SCREEN
14	STANDING SEAM METAL ROOF
15	ALUMINUM STOREFRONT SYSTEM
16	ALUMINUM COMPOSITE METAL PANEL
17	CFSF-S FRAMING
18	COUNTER FLASHING
19	5/8" RECESSED BRICK COURSE
20	GROUT CAVITY SOLID BELOW FINISHED FLOOR



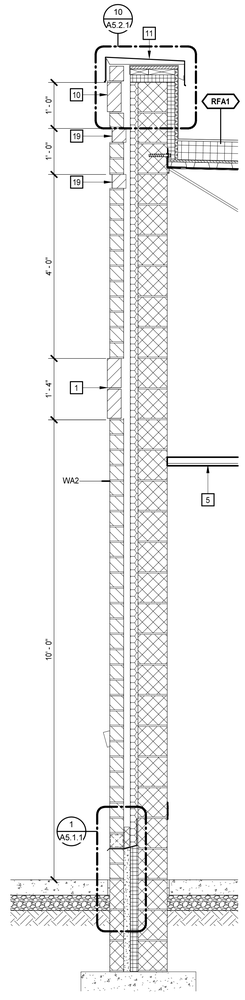
1 WALL SECTION
A2.1.0 A5.1.2 3/4" = 1'-0"



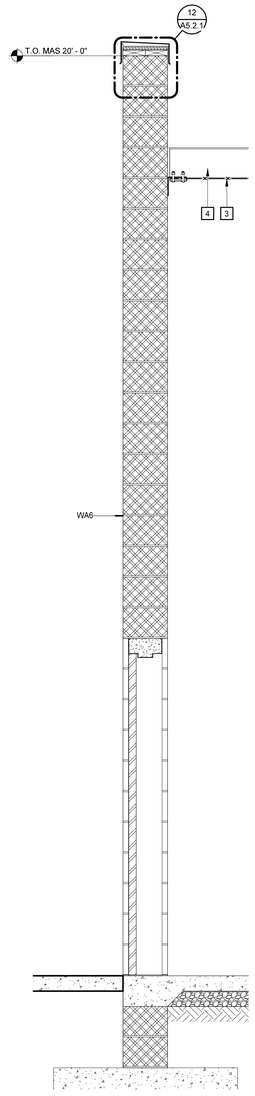
2 WALL SECTION
A2.2.0 A5.1.2 3/4" = 1'-0"



3 WALL SECTION
A2.2.0 A5.1.2 3/4" = 1'-0"



4 WALL SECTION
A2.1.0 A5.1.2 3/4" = 1'-0"



5 WALL SECTION
A2.2.0 A5.1.2 3/4" = 1'-0"

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS
REGISTERED ARCHITECT
11547
NORTH CAROLINA
CHARLOTTE, NC
12/12/23

MOSELEY ARCHITECTS P.A.
CHARLOTTE, NORTH CAROLINA
CORPORATION
50149

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE
621373	December 12, 2023

REVISIONS

DATE	DESCRIPTION

WALL SECTIONS

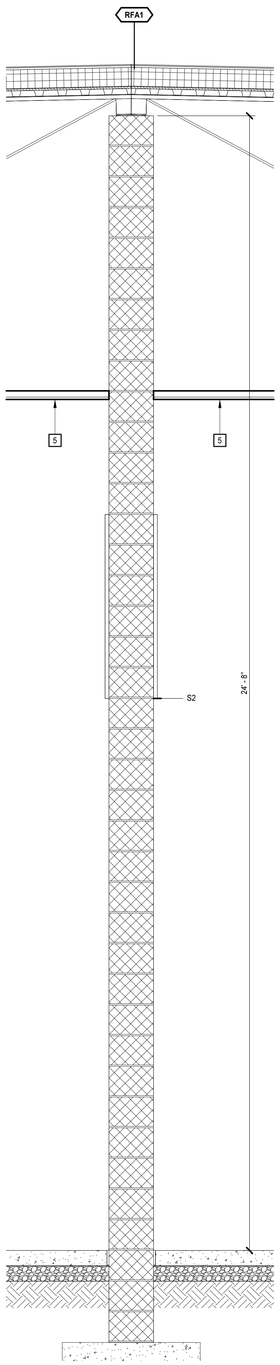
A5.1.2

12/13/2023 9:48:24 AM

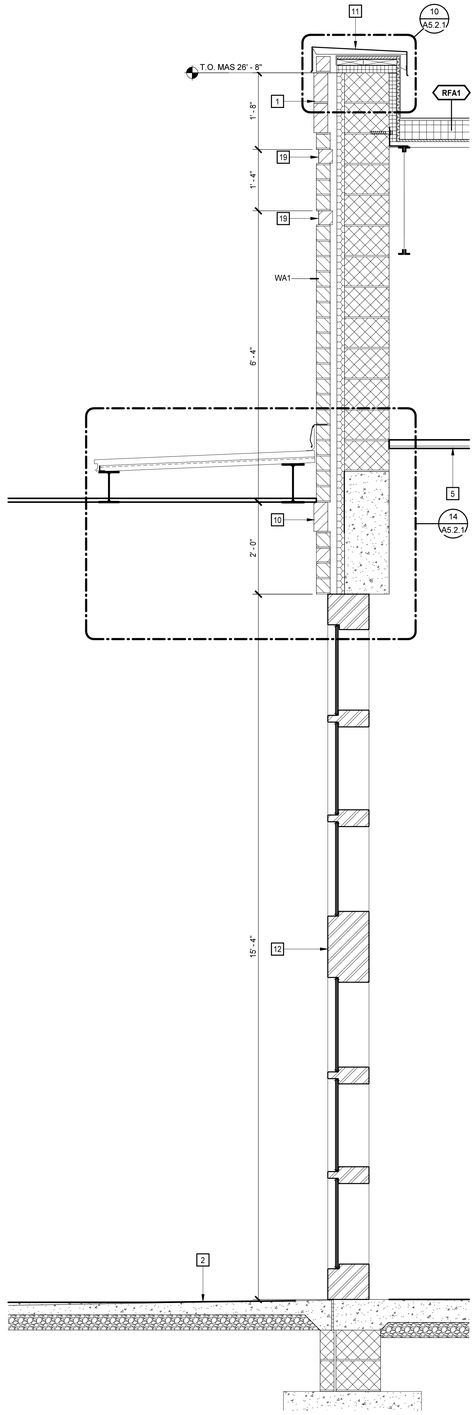
WALL SECTION KEYNOTES

REPRESENTED BY ◇

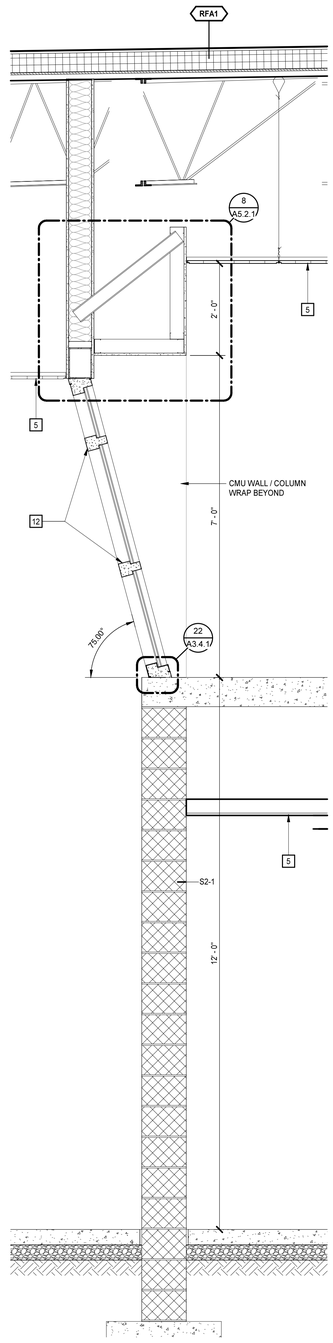
1	5/8" PROJECTED DOUBLE SOLDIER COURSE
2	REC YARD SLAB RECESSED 1/4"
3	SECURITY BARRIER MESH, 1/4" X 6" BATTEN PLATE AND THRU BOLTS AT 12" O.C.
4	STRUCTURAL STEEL PER S-SERIES
5	CEILING PER A-9 SERIES
6	1-1/4" STEEL GRATE
7	WALL MOUNTED STEEL LADDER
8	42" HIGH 1-1/2" STEEL TUBE GUARDRAIL & GATE
9	STEEL CELL PER DIV. 13
10	5/8" PROJECTED SOLDIER COURSE
11	PRE-ENGINEERED METAL COPING SYSTEM
12	DETENTION HOLLOW METAL FRAME - REFER TO DETENTION FRAME SCHEDULE
13	EXPANDED METAL MESH SECURITY SCREEN
14	STANDING SEAM METAL ROOF
15	ALUMINUM STOREFRONT SYSTEM
16	ALUMINUM COMPOSITE METAL PANEL
17	CFSIF-S FRAMING
18	COUNTER FLASHING
19	5/8" RECESSED BRICK COURSE
20	GROUT CAVITY SOLID BELOW FINISHED FLOOR



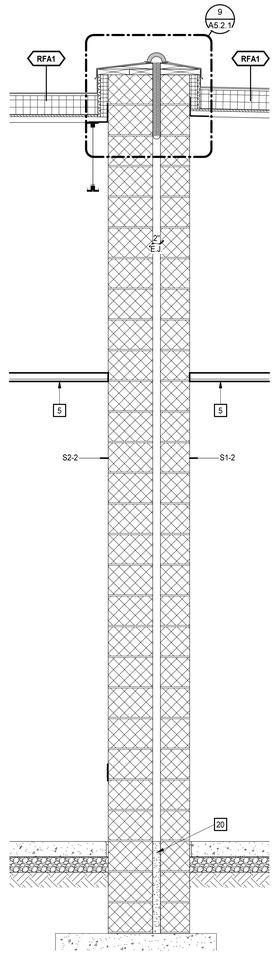
1 WALL SECTION
A2.2.0 A5.1.3 3/4" = 1'-0"



2 WALL SECTION
A2.2.2 A5.1.3 3/4" = 1'-0"



3 WALL SECTION
A2.2.2 A5.1.3 3/4" = 1'-0"



4 WALL SECTION
A2.1.0 A5.1.3 3/4" = 1'-0"

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS
REGISTERED ARCHITECT
11547
NORTH CAROLINA
CHARLOTTE, NC
12/12/23

MOSELEY ARCHITECTS, P.A.
REGISTERED ARCHITECTURAL CORPORATION
50149
NORTH CAROLINA
CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO:	DATE:
621373	December 12, 2023

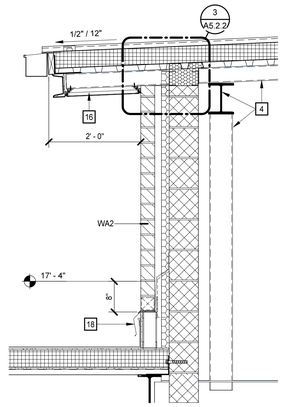
REVISIONS

DATE	DESCRIPTION

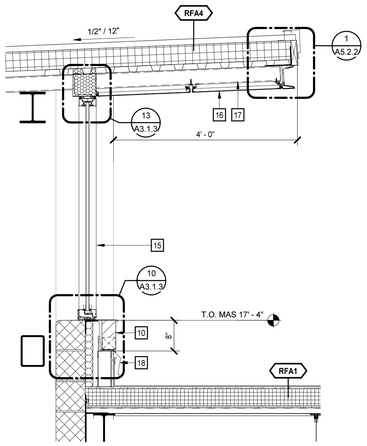
WALL SECTIONS

A5.1.3

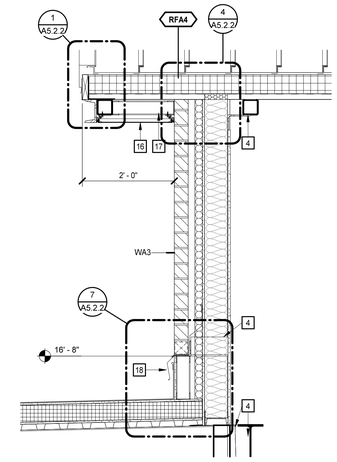
12/13/2023 9:48:28 AM



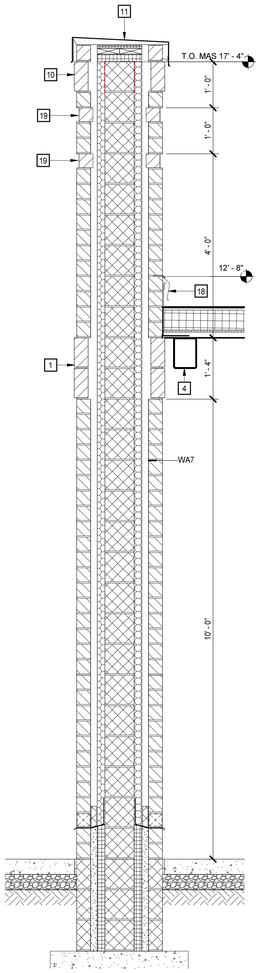
6 WALL SECTION
A10.1.1 A5.1.4 3/4" = 1'-0"



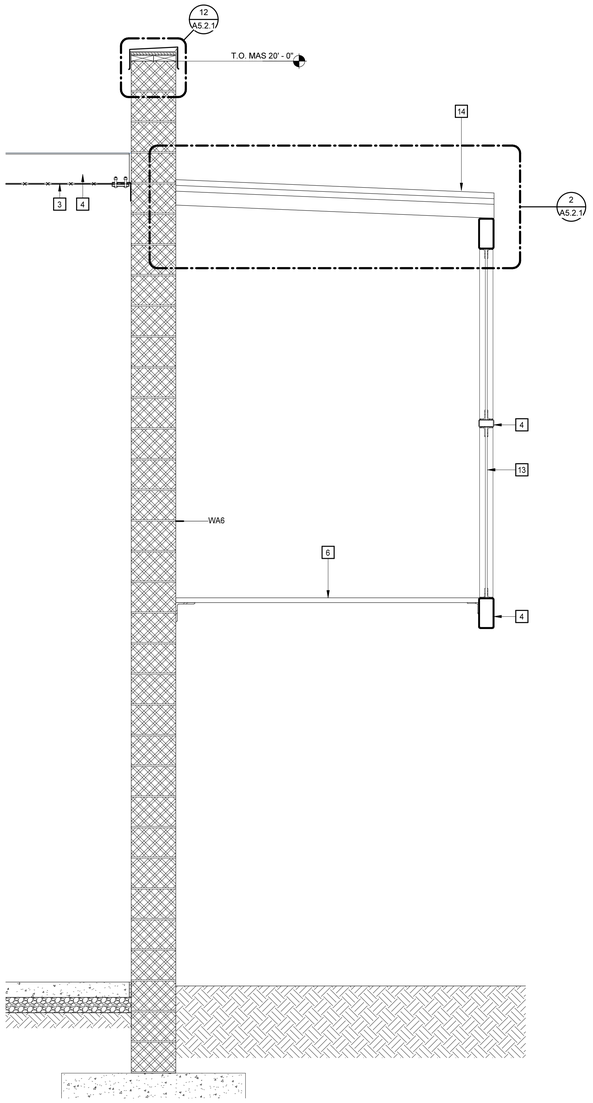
5 WALL SECTION
A10.1.1 A5.1.4 3/4" = 1'-0"



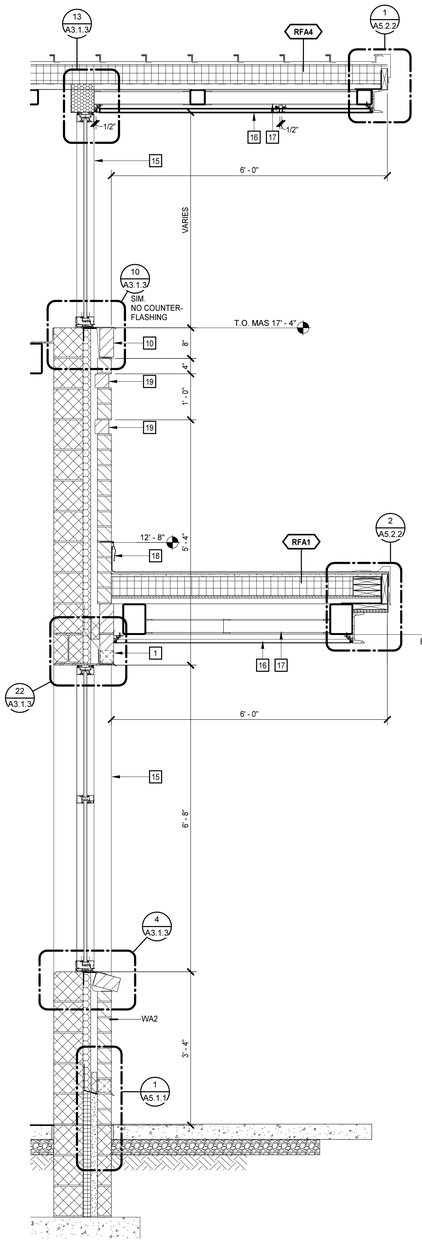
7 WALL SECTION
A10.1.1 A5.1.4 3/4" = 1'-0"



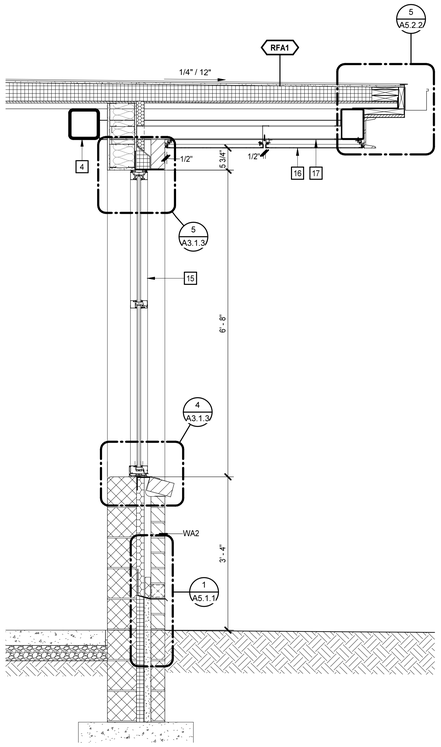
1 WALL SECTION
A2.1.0 A5.1.4 3/4" = 1'-0"



2 WALL SECTION
A2.2.0 A5.1.4 3/4" = 1'-0"



3 WALL SECTION
A2.1.0 A5.1.4 3/4" = 1'-0"



4 WALL SECTION
A2.1.0 A5.1.4 3/4" = 1'-0"

WALL SECTION KEYNOTES

REPRESENTED BY +

1	5/8" PROJECTED DOUBLE SOLDIER COURSE
2	REC YARD SLAB RECESSED 1/4"
3	SECURITY BARRIER MESH, 1/4" X 6" BATTEN PLATE AND THRU BOLTS AT 12" O.C.
4	STRUCTURAL STEEL PER S-SERIES
5	CEILING PER A-9 SERIES
6	1-1/4" STEEL GRATE
7	WALL MOUNTED STEEL LADDER
8	42" HIGH 1-1/2" STEEL TUBE GUARDRAIL & GATE
9	STEEL CELL PER DIV. 13
10	5/8" PROJECTED SOLDIER COURSE
11	PRE-ENGINEERED METAL COPING SYSTEM
12	DETENTION HOLLOW METAL FRAME - REFER TO DETENTION FRAME SCHEDULE
13	EXPANDED METAL MESH SECURITY SCREEN
14	STANDING SEAM METAL ROOF
15	ALUMINUM STOREFRONT SYSTEM
16	ALUMINUM COMPOSITE METAL PANEL
17	CFSF-S FRAMING
18	COUNTER FLASHING
19	5/8" RECESSED BRICK COURSE
20	GROUT CAVITY SOLID BELOW FINISHED FLOOR

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS
REGISTERED ARCHITECT
11547
NORTH CAROLINA
CHARLOTTE, NC
12/12/23

MOSELEY ARCHITECTS PA
REGISTERED ARCHITECTURAL CORPORATION
50149
NORTH CAROLINA
CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

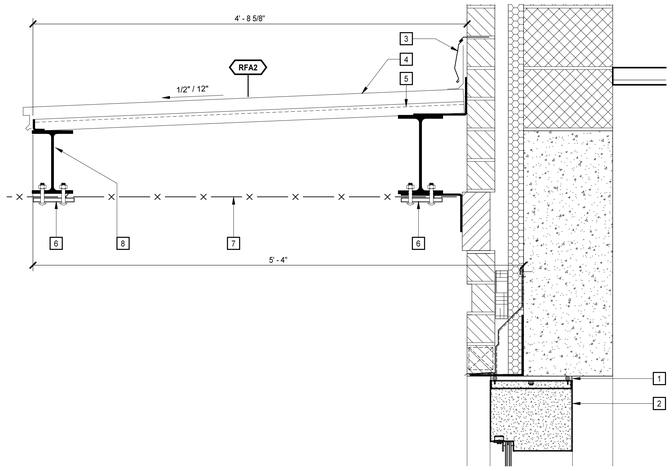
DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO: 621373	DATE: December 12, 2023
REVISIONS	
DATE	DESCRIPTION

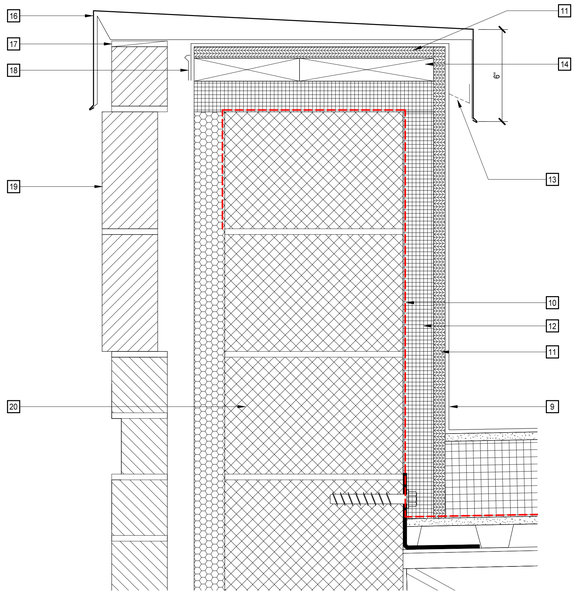
WALL SECTIONS

A5.1.4

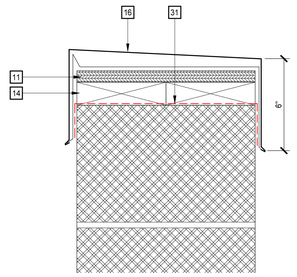
12/13/2023 9:48:34 AM



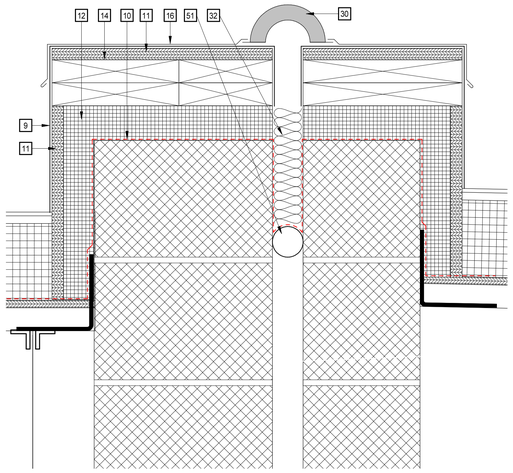
14 ENLARGED DETAIL A5.1.3 | A5.2.1 — 1 1/2" = 1'-0"



10 ENLARGED DETAIL A5.1.1 | A5.2.1 — 3" = 1'-0"

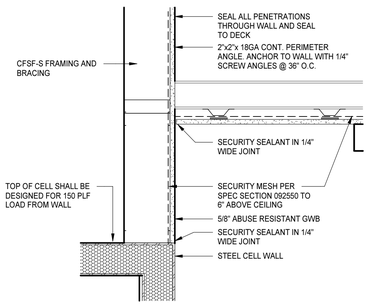


12 ENLARGED DETAIL A5.1.2 | A5.2.1 — 3" = 1'-0"

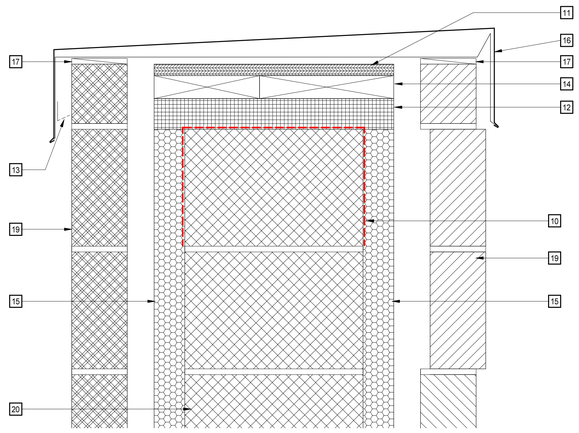


9 ENLARGED DETAIL A5.1.3 | A5.2.1 — 3" = 1'-0"

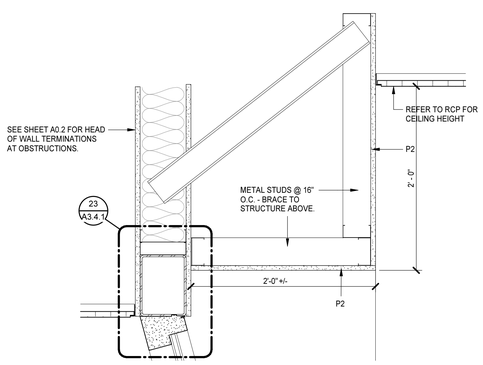
WALL SECTION DETAIL KEYNOTES (REPRESENTED BY [ ])	
1	SEALANT AND BACKER ROD
2	DETENTION HOLLOW METAL FRAME - REFER TO DETENTION FRAME SCHEDULE
3	COUNTER FLASHING
4	STANDING SEAM METAL ROOF
5	METAL DECK
6	CONT. 6" X 1/4" HOT DIPPED GALVANIZED BATTEN PLATE W/ 1/2" DIA. CARRIAGE BOLT AT 12" O.C.
7	HOT DIPPED GALVANIZED BARRIER SECURITY MESH. OVERLAP ADJACENT SHEETS BY 6". MESH TO BE ASM .75 X 9F HEAVY.
8	STRUCTURAL STEEL PER S-SERIES
9	ROOF MEMBRANE
10	AIR BARRIER
11	FRT 3/4" EXT PLYWOOD
12	2" RIGID INSULATION
13	PERFORATED METAL TO MAINTAIN VENTED COPING AND WALL CAVITY
14	FRT 2x EXT WOOD BLOCKING
15	SPRAY FOAM INSULATION
16	PRE-ENGINEERED METAL COPING SYSTEM
17	PLASTIC SHIMS IF REQ'D BY COPING MANUFACTURER
18	WRAP ROOF MEMBRANE UP UNDER COPING AND ATTACH TO WOOD BLOCKING W/ TERMINATION BAR
19	VENEER PER WALL TYPE
20	8" OR 12" CMU PER WALL TYPE
21	EXPANDED METAL MESH SECURITY SCREEN
22	CFSF-S FRAMING
23	CFSF-S CLIP
24	METAL FASCIA - MATCH ROOF COLOR
25	TERMINATION BAR
26	SPF INSULATION / AIR BARRIER
27	CAVITY DRAINAGE METERIAL
28	THROUGH WALL FLASHING
29	CELL WEEP / VENT
30	PRE-FORMED EXPANSION JOINT
31	AIR BARRIER TRANSITION MEMBRANE
32	COMPRESSIBLE INSULATION
33	ALUMINUM COMPOSITE METAL PANEL
34	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL FRAMING
35	PREFINISHED RAKE TRIM
36	UNDERLAYMENT
37	PREFINISHED BREAKMETAL FASCIA. MATCH RAKE TRIM COLOR.
38	BREAK METAL PANEL
40	CUT C.M.U. BLOCK FLUSH AT UNDERSIDE OF STRUCTURAL STEEL
41	BULLET RESISTANT EXTRUDED ALUMINUM FRAME - ALIGN WITH FACE OF BRICK VENEER
42	BULLET RESISTANT SECURITY GLAZING
43	ALUMINUM FRAME FOR PACKAGE PASS
44	BULLET RESISTANT PACKAGE PASS
45	SHIM AS REQ'D TO ALIGN FRAME WITH TOP OF FLANGE
46	CFSF-NS
47	5/8" GWB
48	STEEL ANGLE PER S-SERIES
49	CONT 3/4" x 3/4" x 1/8" ALUMINUM ANGLE TRIM
50	1/2" DENSGLASS EXTERIOR SHEATHING
51	COMPRESSIBLE WALL SEAL



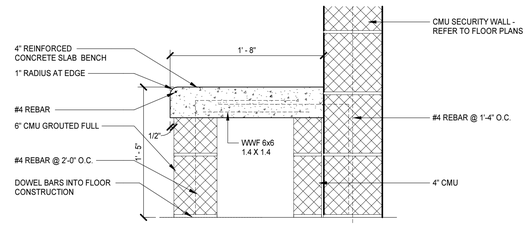
11 ENLARGED DETAIL A5.1.1 | A5.2.1 — 1 1/2" = 1'-0"



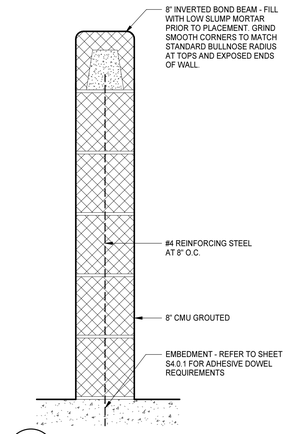
7 ENLARGED DETAIL A5.1.2 | A5.2.1 — 3" = 1'-0"



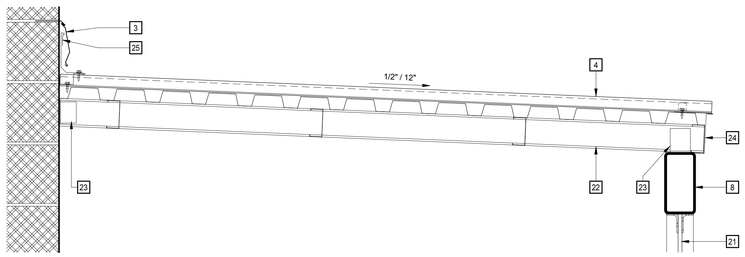
8 ENLARGED DETAIL A5.1.3 | A5.2.1 — 1 1/2" = 1'-0"



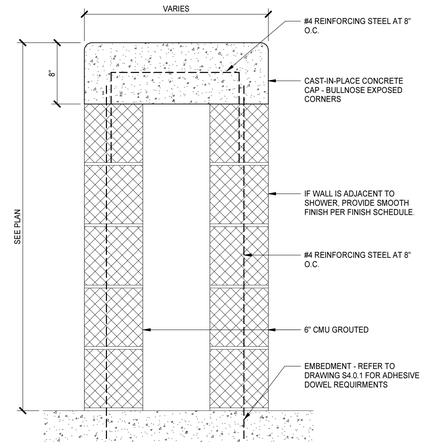
4 CONCRETE BENCH DETAIL A7.1.2 | A5.2.1 — 1 1/2" = 1'-0"



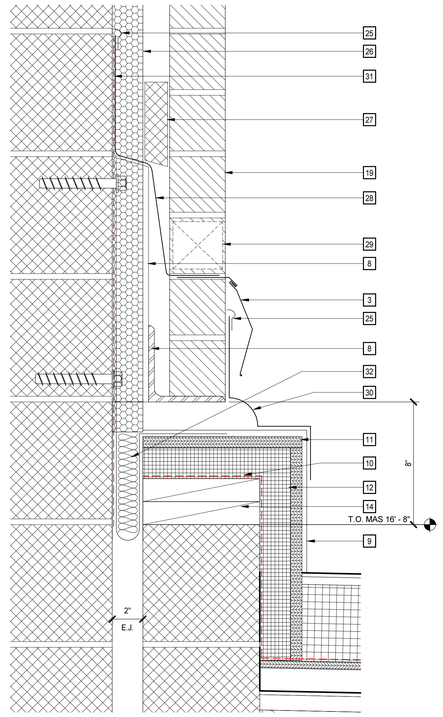
3 LOW WALL DETAIL A7.1.2 | A5.2.1 — 1 1/2" = 1'-0"



2 ENLARGED DETAIL A5.1.4 | A5.2.1 — 1 1/2" = 1'-0"



1 ENLARGED DETAIL A7.1.1 | A5.2.1 — 1 1/2" = 1'-0"



6 ENLARGED DETAIL A5.1.2 | A5.2.1 — 3" = 1'-0"

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS — REGISTERED ARCHITECT — 11547 — NORTH CAROLINA — CHARLOTTE, NC — 12/12/23

MOSELEY ARCHITECTS, P.A. — REGISTERED — CORPORATION — 50149 — NORTH CAROLINA — CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO: 621373	DATE: December 12, 2023
REVISIONS	
DATE	DESCRIPTION

WALL SECTION DETAILS

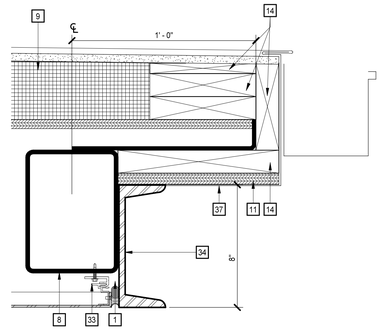
A5.2.1

12/13/2023 9:48:42 AM

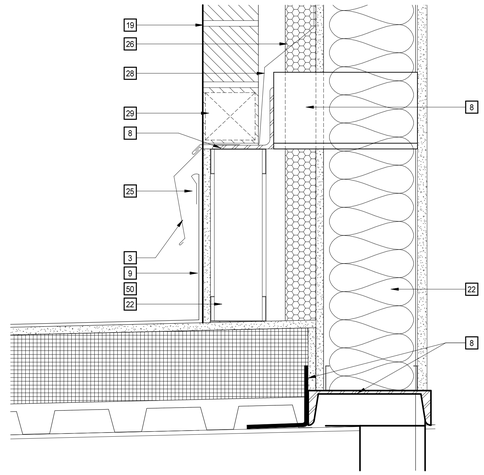
WALL SECTION DETAIL KEYNOTES

REPRESENTED BY [ ]

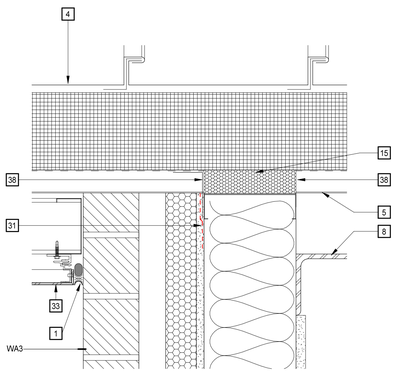
1	SEALANT AND BACKER ROD
2	DETENTION HOLLOW METAL FRAME - REFER TO DETENTION FRAME SCHEDULE
3	COUNTER FLASHING
4	STANDING SEAM METAL ROOF
5	METAL DECK
6	CONT. 6" X 1/4" HOT DIPPED GALVANIZED BATTEN PLATE W/ 1/2" DIA. CARRIAGE BOLT AT 12" O.C.
7	HOT DIPPED GALVANIZED BARRIER SECURITY MESH. OVERLAP ADJACENT SHEETS BY 6". MESH TO BE ASM .75 X 9F HEAVY.
8	STRUCTURAL STEEL PER S-SERIES
9	ROOF MEMBRANE
10	AIR BARRIER
11	FRT 3/4" EXT PLYWOOD
12	2" RIGID INSULATION
13	PERFORATED METAL TO MAINTAIN VENTED COPING AND WALL CAVITY
14	FRT 2x EXT WOOD BLOCKING
15	SPRAY FOAM INSULATION
16	PRE-ENGINEERED METAL COPING SYSTEM
17	PLASTIC SHIMS IF REQ'D BY COPING MANUFACTURER
18	WRAP ROOF MEMBRANE UP UNDER COPING AND ATTACH TO WOOD BLOCKING W/ TERMINATION BAR
19	VENEER PER WALL TYPE
20	8" OR 12" CMU PER WALL TYPE
21	EXPANDED METAL MESH SECURITY SCREEN
22	CFSF-S FRAMING
23	CFSF-S CLIP
24	METAL FASCIA - MATCH ROOF COLOR
25	TERMINATION BAR
26	SPF INSULATION / AIR BARRIER
27	CAVITY DRAINAGE METERIAL
28	THROUGH WALL FLASHING
29	CELL WEEP / VENT
30	PRE-FORMED EXPANSION JOINT
31	AIR BARRIER TRANSITION MEMBRANE
32	COMPRESSIBLE INSULATION
33	ALUMINUM COMPOSITE METAL PANEL
34	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL FRAMING
35	PREFINISHED RAKE TRIM
36	UNDERLAYMENT
37	PREFINISHED BREAKMETAL FASCIA. MATCH RAKE TRIM COLOR.
38	BREAK METAL PANEL
40	CUT C.M.U. BLOCK FLUSH AT UNDERSIDE OF STRUCTURAL STEEL
41	BULLET RESISTANT EXTRUDED ALUMINUM FRAME - ALIGN WITH FACE OF BRICK VENEER
42	BULLET RESISTANT SECURITY GLAZING
43	ALUMINUM FRAME FOR PACKAGE PASS
44	BULLET RESISTANT PACKAGE PASS
45	SHIM AS REQ'D TO ALIGN FRAME WITH TOP OF FLANGE
46	CFSF-NS
47	5/8" GWB
48	STEEL ANGLE PER S-SERIES
49	CONT 3/4" x 3/4" x 1/8" ALUMINUM ANGLE TRIM
50	1/2" DENSGLASS EXTERIOR SHEATHING
51	COMPRESSIBLE WALL SEAL



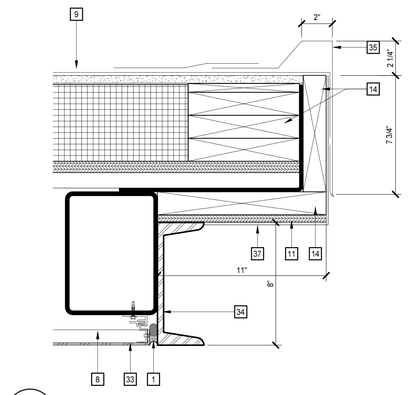
5 A5.1.4 A5.2.2 **ENLARGED DETAIL** 3" = 1'-0"



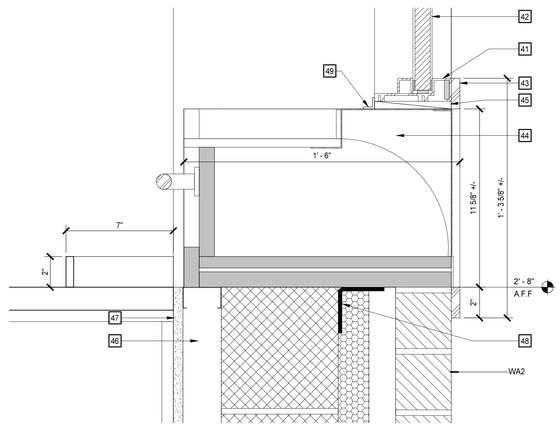
7 A5.1.4 A5.2.2 **ENLARGED DETAIL** 3" = 1'-0"



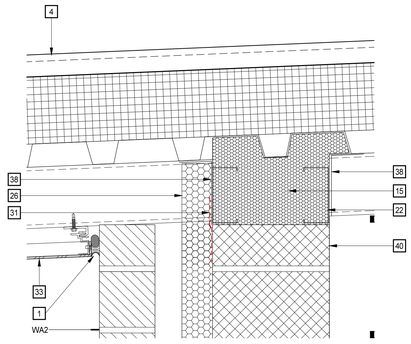
4 A5.1.4 A5.2.2 **ENLARGED DETAIL** 3" = 1'-0"



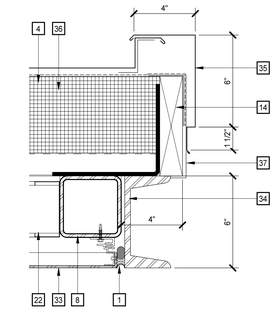
2 A5.1.4 A5.2.2 **ENLARGED DETAIL** 3" = 1'-0"



6 A8.2 A5.2.2 **ENLARGED DETAIL** 3" = 1'-0"



3 A5.1.4 A5.2.2 **ENLARGED DETAIL** 3" = 1'-0"



1 A5.1.4 A5.2.2 **ENLARGED DETAIL** 3" = 1'-0"

12/13/2023 9:48:48 AM

MOSELEY ARCHITECTS

6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS REGISTERED ARCHITECT 11547 NORTH CAROLINA CHARLOTTE, NC 12/12/23

MOSELEY ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION 50149 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE:
621373	December 12, 2023

REVISIONS

DATE	DESCRIPTION

WALL SECTION DETAILS

A5.2.2

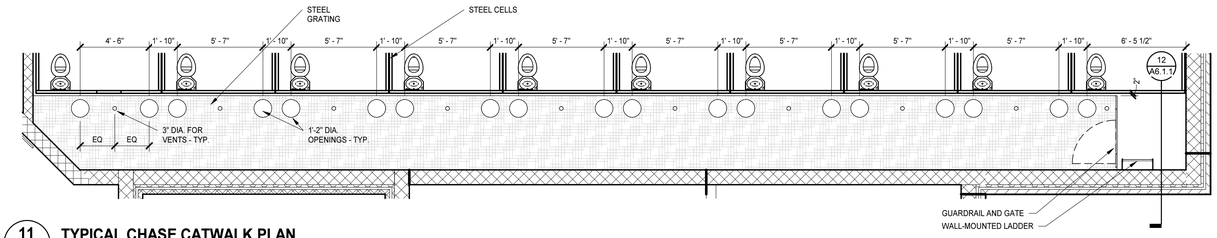
STAIR AND RAMP GENERAL NOTES

A. ALL RAILING INFILL PANELS: 3/4" X 3/4" STL BARS, UNO

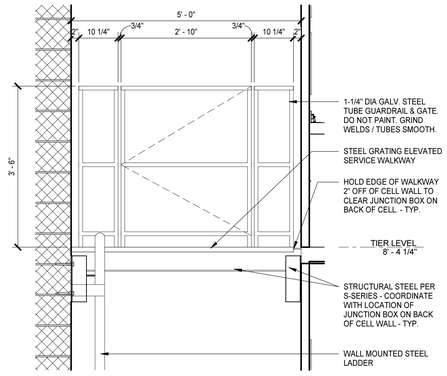
B. TOP OF HANDRAIL: 3'-0" ABOVE EDGE OF RISERS AND FINISH FLOOR

C. TOP OF GUARDS: 3'-7" ABOVE EDGE OF RISERS AND FINISH FLOOR

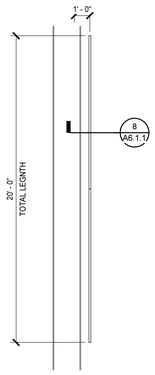
D. ALL RAILING: 1 1/4" STL PIPE, UNO



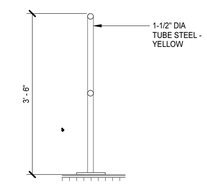
11 A2.2.1 A6.1.1 TYPICAL CHASE CATWALK PLAN
1/4" = 1'-0"



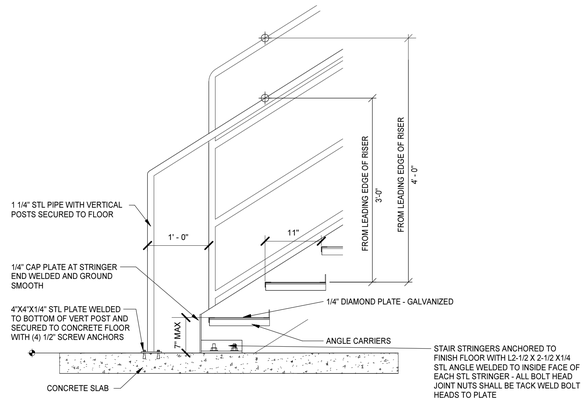
12 A6.1.1 A6.1.1 TYPICAL GATE AT CATWALK CHASE
3/4" = 1'-0"



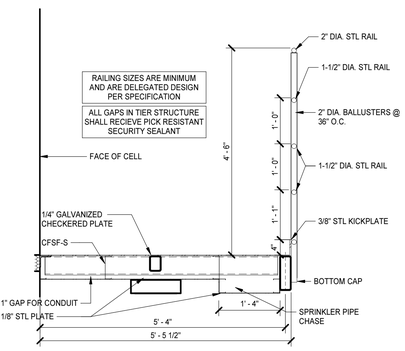
9 A10.1.1 A6.1.1 GUARDRAIL PLAN AT ROOF
1/4" = 1'-0"



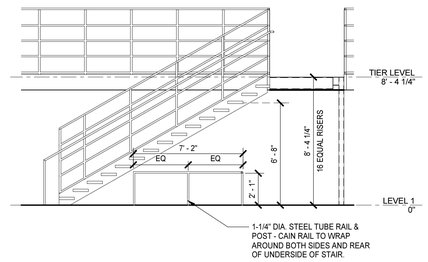
8 A6.1.1 A6.1.1 ENLARGED DETAIL
3/4" = 1'-0"



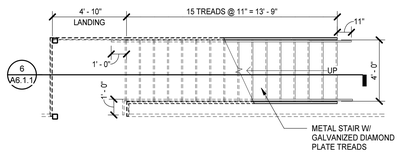
10 A6.1.1 STAIR DETAIL
1" = 1'-0"



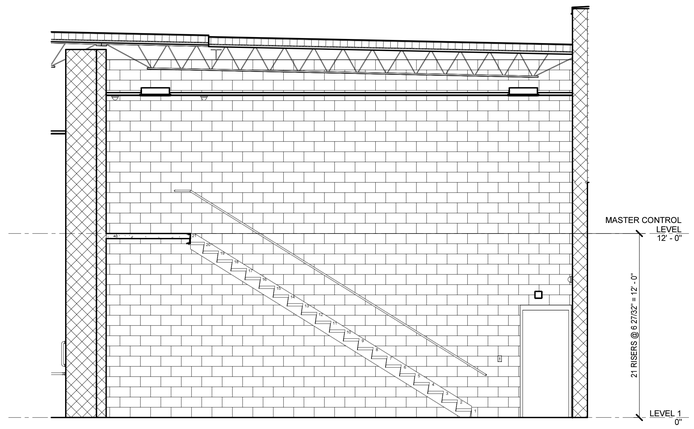
7 A5.1.1 A6.1.1 SECTION AT TIER WALKWAY
3/4" = 1'-0"



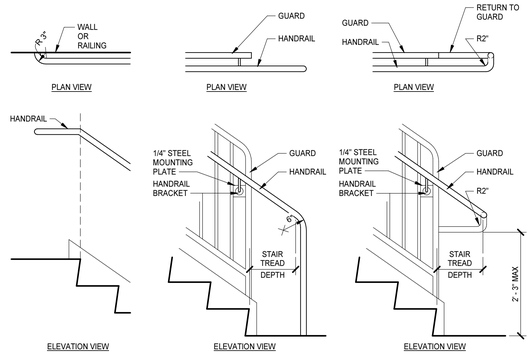
6 A6.1.1 A6.1.1 STAIR SECTION AT TIER
1/4" = 1'-0"

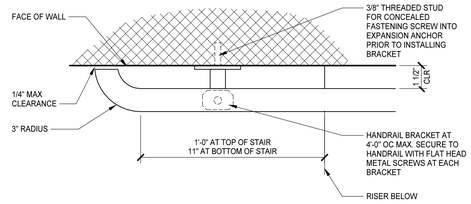


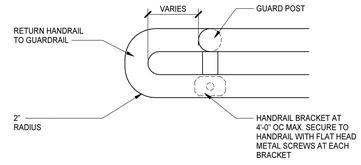
5 A2.2.2 A6.1.1 STAIR PLAN AT TIER
1/4" = 1'-0"

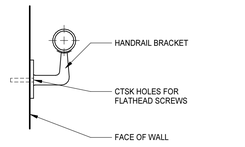


4 A6.1.1 A6.1.1 STAIR SECTION
1/4" = 1'-0"

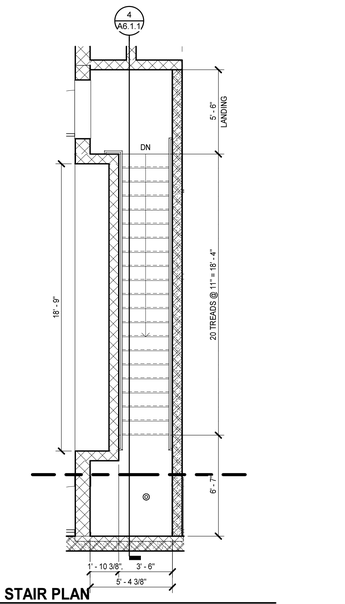








HANDRAIL DETAILS
NO SCALE



3 A2.2.0 A6.1.1 STAIR PLAN
1/4" = 1'-0"

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS REGISTERED ARCHITECT 11547 NORTH CAROLINA CHARLOTTE, NC 12/12/23

MOSELEY ARCHITECTS, P.C. CORPORATION 50149 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO:	DATE:
621373	December 12, 2023

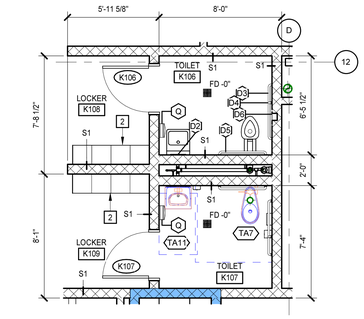
REVISIONS

DATE	DESCRIPTION

ENLARGED STAIR & RAMP DETAILS

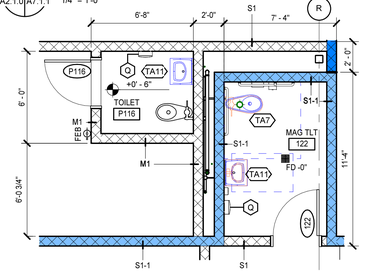
A6.1.1

12/13/2023 9:48:54 AM



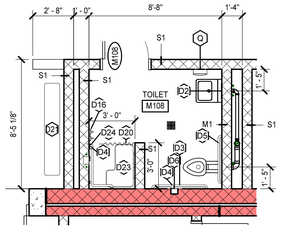
11 ENLARGED TOILET PLAN

A2.1.0 A7.1.1 1/4" = 1'-0"



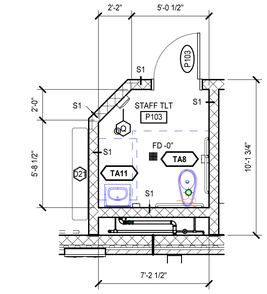
10 ENLARGED TOILET PLAN

A2.1.0 A7.1.1 1/4" = 1'-0"



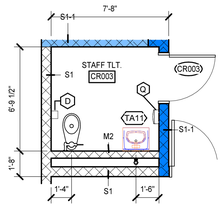
9 ENLARGED TOILET PLAN

A2.0.0 A7.1.1 1/4" = 1'-0"



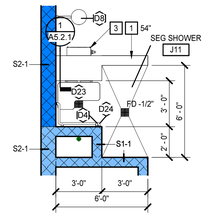
7 ENLARGED TOILET PLAN

A2.1.0 A7.1.1 1/4" = 1'-0"



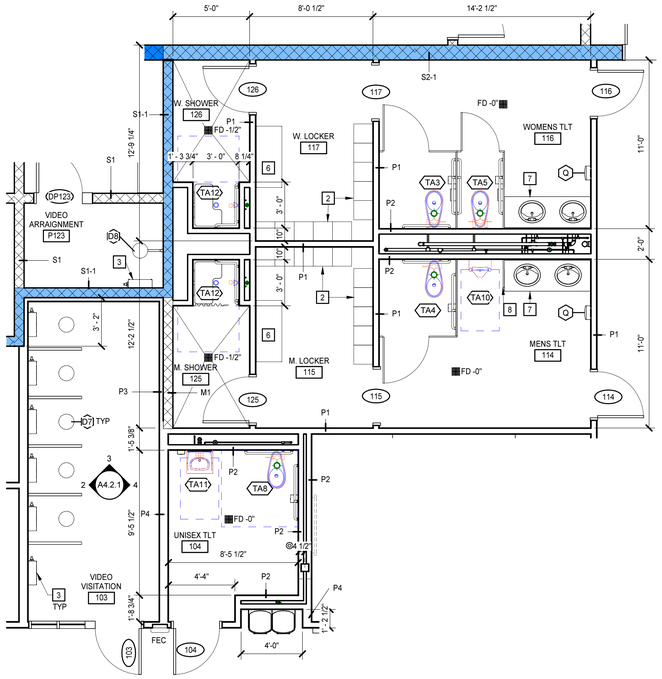
6 ENLARGED TOILET PLAN

A7.1.1 1/4" = 1'-0"



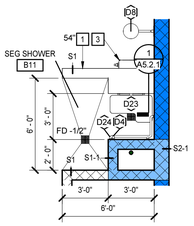
5 ENLARGED SHOWER PLAN

A2.0.0 A7.1.1 1/4" = 1'-0"



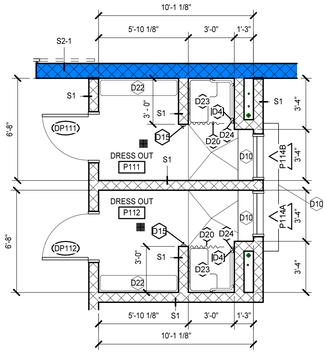
8 ENLARGED LOCKER ROOM PLAN AND VIDEO VISITATION

A2.1.0 A7.1.1 1/4" = 1'-0"



4 ENLARGED SHOWER PLAN

A2.2.2 A7.1.1 1/4" = 1'-0"



3 ENLARGED FLOOR PLAN

A2.1.0 A7.1.1 1/4" = 1'-0"

TOILET ASSEMBLIES, SCHEDULE AND ENLARGED PLAN GENERAL NOTES

A. PLAN DIMENSIONS ARE TO FACE OF WALL OR PARTITION. WHERE APPLIED FINISHES OCCUR-SUCH AS CERAMIC TILE-DIMENSIONS ARE TO FACE OF APPLIED FINISH. FOR WAINSCOTS, FLOOR PLAN DIMENSIONS ARE TO FACE OF WAINSCOT MATERIAL. APPLIED FINISHES ARE NOT ALLOWED TO REDUCE CLEAR DIMENSIONS. "APPLIED FINISHES" IN THIS CASE DO NOT INCLUDE TRIM, BASE, AND ACOUSTIC WALL PANELS.

B. CLEAR DIMENSIONS ARE TO FACE OF APPLIED WALL AND PARTITION FINISHES.

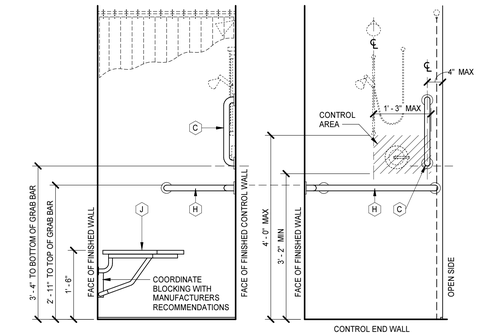
DETENTION EQUIPMENT SCHEDULE

NO	DESCRIPTION	MOUNTING HEIGHT	NOTES
D1	DETENTION MIRROR - SINGLE	REFER TO DETAIL	5/A7.2.1
D2	DETENTION MIRROR - DOUBLE	REFER TO DETAIL	6/A7.2.1
D3	GRAB BAR, ANTI-LIGATURE, 42"	<varies>	7/A7.2.1
D4	GRAB BAR, ANTI-LIGATURE, 18" VERTICAL	REFER TO DETAIL	7/A7.2.1
D5	GRAB BAR, ANTI-LIGATURE, 36"	REFER TO DETAIL	7/A7.2.1
D6	RECESSED TOILET PAPER HOLDER	REFER TO DETAIL	11/A7.2.1
D7	DETENTION STOOL - FLOOR MOUNTED		12/A7.2.1
D8	DETENTION STOOL - WALL MOUNTED	<varies>	<varies>
D9	PISTOL LOCKER - 8 COMPARTMENT, SURFACE	REFER TO DETAIL	3/A7.2.1
D9A	PISTOL LOCKER - 8 COMPARTMENT, RECESSED	REFER TO DETAIL	3/A7.2.1
D10	DETENTION COUNTER, STAINLESS STEEL		8 & 9/A7.2.1
D11	TRANSACTION DRAWER	REFER TO DETAIL	6/A5.2.2
D12	DETENTION 4 SEAT TABLE	REFER TO DETAIL	1/A7.2.1
D13	DETENTION 3 SEAT TABLE	REFER TO DETAIL	2/A7.2.1
D14	KEY CABINET		REFER TO SECTION 111960
D15	DETENTION HOOK - SINGLE - ANTI LIGATURE	REFER TO DETAIL	10/A7.2.1
D16	DETENTION HOOK - DOUBLE - ANTI LIGATURE	REFER TO DETAIL	10/A7.2.1
D17	SEMI-RECESSED TOILET PAPER HOLDER		BY CELL MODULE MFR
D18	DETENTION BUNK - WALL MOUNTED - SINGLE	15" TOP OF PAN	BY CELL MODULE MFR
D19	DETENTION BUNK - WALL MOUNTED - DOUBLE	BOTTOM BUNK 15" AFF, TOP BUNK 50" AFF T.O. PAN	BY CELL MODULE MFR
D20	DETENTION SHOWER CURTAIN	REFER TO DETAIL	16/A7.2.1
D21	DETENTION STAINLESS STEEL BENCH, 72" LONG	FLOOR MOUNTED	13/A7.2.1
D22	DETENTION STAINLESS STEEL BENCH, 60" LONG	FLOOR MOUNTED	13/A7.2.1
D23	L-SHAPED FOLDING SHOWER SEAT	REFER TO SHOWER ELEVATIONS	
D24	18"x36" CORNER GRAB BAR ASSEMBLY, ANTI-LIGATURE	REFER TO DETAIL	7/A7.2.1

ENLARGED TOILET PLAN KEYNOTES

REPRESENTED BY <1>

1	LOW WALL- REFER TO DETAIL 3/A5.2.1
2	DOUBLE TIER LOCKERS - 15" x 15" x 72"
3	<varies>
4	VIDEO DISCOVERY STATION - REFER TO SECTION 285200
5	CONCRETE BENCH - REFER TO DETAIL 4/A5.2.1
6	BARRIER-FREE BENCH
7	SSM COUNTERTOP WITH INTEGRAL SINK. PROVIDE BARRIER-FREE REMOVEABLE PLAM PANEL. REFER TO SECTION ON DRAWING A8.2
8	PROVIDE URINAL SCREEN ADJACENT TO EDGE OF COUNTER
9	4'W X 2'H AWP-B WOOD FIBER ACOUSTIC PANEL. MOUNT AT 6'-8"AFF TO BOTTOM OF PANEL. REFER TO PANEL-MOUNTING DETAIL ON DRAWING A4.2.1.
10	4'W X 2'H AWP-A STRETCHED FABRIC ACOUSTIC PANEL. MOUNT AT 6'-8"AFF TO BOTTOM OF PANEL.

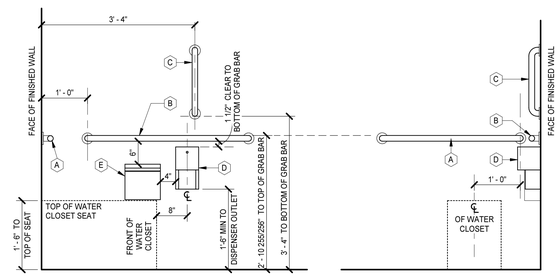


ROLL-IN SHOWER ELEVATIONS

3/4" = 1'-0"

TRANSFER-TYPE SHOWER ELEVATIONS

3/4" = 1'-0"



WATER CLOSET ELEVATIONS

3/4" = 1'-0"

TOILET ASSEMBLIES

APPLIES TO DRAWINGS A7.1 - A7.nn

REPRESENTED BY (TAn)

MARK	REMARKS	PLAN
TA1		2' - 10" CLEAR, UNO; D, E; 5' - 0" CLEAR; * 1'-3" MIN; TOILET PARTITION OR WALL; WATER CLOSET
TA2	OMIT (E)	
BARRIER FREE TA3		5' - 0" CLEAR; 4" MAX; B, C, D, E, A, Q; 5' - 0" CLEAR; 1' - 5"; TOILET PARTITION OR WALL; WATER CLOSET
BARRIER FREE TA4	OMIT (E)	
BARRIER FREE TA5		3' - 0" CLEAR; B, C, D, E, Q; 5' - 0" CLEAR; 1'- 6"; TOILET PARTITIO N; TOILET PARTITION OR WALL; WATER CLOSET
BARRIER FREE TA6	OMIT (E)	
BARRIER FREE TA7		B, C, E, A; WATER CLOSET
BARRIER FREE TA8	OMIT (E)	
TA9		2' - 6" CLR; URINAL SCREEN; UNO; WALL, TOILET PARTITION, OR URINAL SCREEN; 1' - 10"; 1'-3" MIN; 1'-3" MIN; URINAL
BARRIER FREE TA10		3' - 0" CLEAR; URINAL SCREEN; WALL TOILET PARTITION OR URINAL SCREEN; 1' - 10"; 1'-6" MIN; 1'-6" MIN; URINAL
TA11	CENTER (G) OVER LAVATORY	G, F; LAVATORY
BARRIER FREE TA12		C, J, L, H, Q; 3' - 0" CLR INSIDE; SEAT WALL; 3' - 0" CLR INSIDE; SHOWER - TRANSFER STYLE
TA13	OMIT (C, H, J)	CONTROL WALL
BARRIER FREE TA14		CONTROL WALL; 5' - 0" CLR INSIDE; 2' - 6" CLR INSIDE; N, L, K, N; SHOWER - ROLL-IN STYLE
BARRIER FREE TA15		C, P, L, M, N; 2' - 6" CLR INSIDE; CONTROL WALL; 5' - 0" CLR INSIDE; BATHTUB

LEGEND NOTES:

A. HANDING/ORIENTATION MAY VARY. REFER TO PLANS FOR PROPER ORIENTATION.

B. PLUMBING FIXTURE GRAPHICS IN THIS LEGEND ARE REPRESENTATIVE ONLY. ACTUAL PLUMBING FIXTURES MAY VARY.

C. COAT/ROBE HOOKS INDICATED ON THE BACK OF TOILET COMPARTMENT DOORS ARE PART OF THE TOILET COMPARTMENT ASSEMBLY AND ARE NOT CONSIDERED A TOILET ACCESSORY.

TOILET ACCESSORIES SCHEDULE

MARK	DESCRIPTION	MOUNTING HEIGHT	REMARKS
	<varies>	<varies>	
A	36" HORIZONTAL GRAB BAR	REFER TO WATER CLOSET ELEVATIONS	
B	42" HORIZONTAL GRAB BAR	REFER TO WATER CLOSET ELEVATIONS	
C	18" VERTICAL GRAB BAR	REFER TO WATER CLOSET ELEVATIONS	
D	TOILET TISSUE DISPENSER	REFER TO WATER CLOSET ELEVATIONS	
E	SANITARY NAPKIN DISPOSAL	REFER TO WATER CLOSET ELEVATIONS	
F	SOAP DISPENSER	3'-4" AFF TO DISPENSING OUTLET	
G	MIRROR (18" x 36"), OVER LAV AND COUNTERTOP	3'-4" AFF TO BOTTOM OF REFLECTIVE SURFACE	
H	18"x36" CORNER GRAB BAR ASSEMBLY	REFER TO SHOWER ELEVATIONS	
J	L-SHAPED FOLDING SHOWER SEAT	1'-6" TO SEAT SURFACE	
L	SHOWER CURTAIN, ROD AND HOOKS	6'-8" AFF TO ROD	
Q	PAPER TOWEL DISPENSER	3'-8" AFF TO DISPENSING OUTLET	

1. ACCESSORY ITEMS ARE IDENTIFIED BY ⬡ ON PLANS. LETTERS CORRESPOND TO SCHEDULE ABOVE.

2. ACTUAL DIMENSIONS OF ACCESSORIES MAY VARY. COORDINATE DIFFERENCES, IF ANY.

3. REFER TO ALL CASEWORK ELEVATIONS FOR ADDITIONAL TOILET ACCESSORY LOCATIONS.

4. PROVIDE ROBE HOOK ON INTERIOR FACE OF ALL TOILET ROOM DOORS WHEREIN ONLY ONE WATER CLOSET IS PROVIDED. MOUNT AT 3'-11" AFF TO TOP.

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS REGISTERED ARCHITECT 11547 NORTH CAROLINA CHARLOTTE, NC 12/12/23

MOSELEY ARCHITECTS, P.A. CORPORATION NORTH CAROLINA 50149 CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE:
621373	December 12, 2023
REVISIONS	
DATE	DESCRIPTION

TOILET ASSEMBLIES, SCHEDULE & ENLARGED PLANS

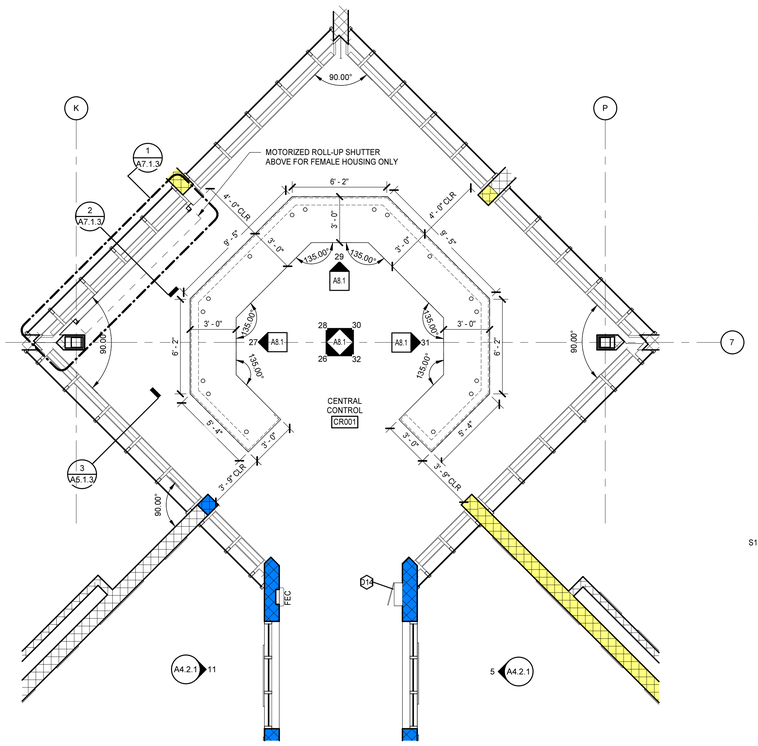
A7.1.1

12/13/2023 9:49:06 AM

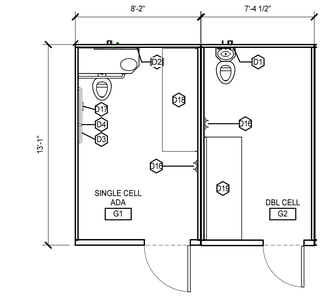
ENLARGED TOILET PLAN KEYNOTES

KEYNOTES REPRESENTED BY ⟨n⟩

1	LOW WALL- REFER TO DETAIL 3/A5.2.1
2	DOUBLE TIER LOCKERS - 15" x 15" x 72"
3	<varies>
4	VIDEO DISCOVERY STATION - REFER TO SECTION 285200
5	CONCRETE BENCH - REFER TO DETAIL 4/A5.2.1
6	BARRIER-FREE BENCH
7	SSM COUNTERTOP WITH INTEGRAL SINK. PROVIDE BARRIER-FREE REMOVEABLE PLAM PANEL. REFER TO SECTION ON DRAWING A8.2
8	PROVIDE URINAL SCREEN ADJACENT TO EDGE OF COUNTER
9	4'W X 2'H AWP-B WOOD FIBER ACOUSTIC PANEL. MOUNT AT 6'-8"AFF TO BOTTOM OF PANEL. REFER TO PANEL-MOUNTING DETAIL ON DRAWING A4.2.1.
10	4'W X 2'H AWP-A STRETCHED FABRIC ACOUSTIC PANEL. MOUNT AT 6'-8"AFF TO BOTTOM OF PANEL

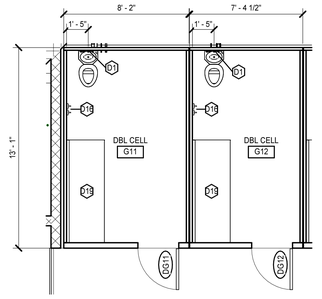


7 ENLARGED FLOOR PLAN
A7.1.2 1/4" = 1'-0"



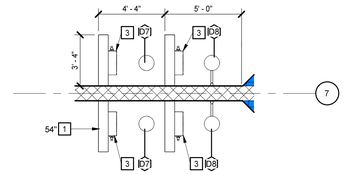
*PROVIDE BUNK STEP IN WALL AT ALL DOUBLE BUNKS
*PROVIDE CPAP PORTS AT ALL ADA CELLS
*VERIFY IF NON-ADA CELL IS SINGLE OR DOUBLE

9 ENLARGED PLAN - TYPICAL CELL MODULE
A2.2.0 A7.1.2 1/4" = 1'-0"

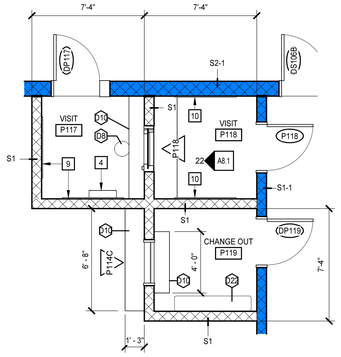


*PROVIDE BUNK STEP IN WALL AT ALL DOUBLE BUNKS
*PROVIDE CPAP PORTS AT ALL ADA CELLS
*VERIFY IF NON-ADA CELL IS SINGLE OR DOUBLE

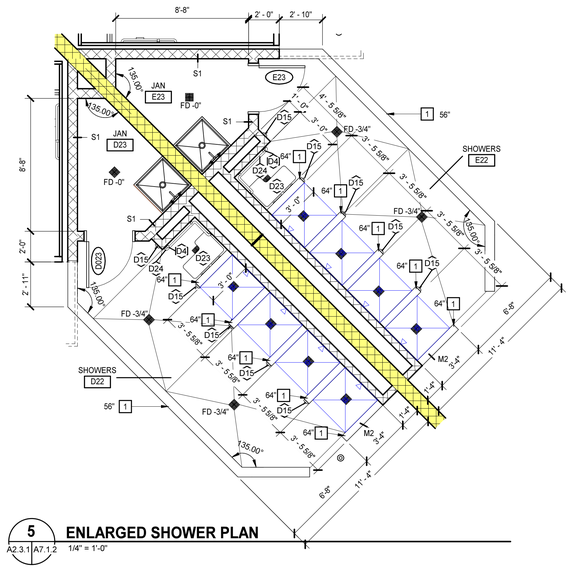
8 ENLARGED PLAN - TYPICAL CELL MODULE - TIER LEVEL
A2.2.1 A7.1.2 1/4" = 1'-0"



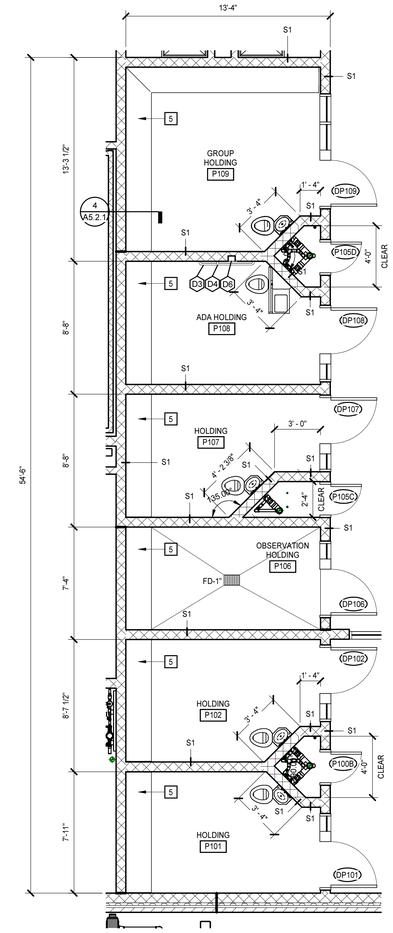
11 ENLARGED PLAN AT VV1
A2.1.0 A7.1.2 1/4" = 1'-0"



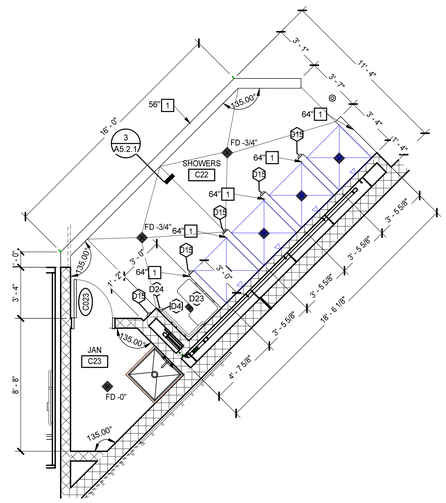
6 ENLARGED FLOOR PLAN - VISITATION ROOM
A2.1.0 A7.1.2 1/4" = 1'-0"



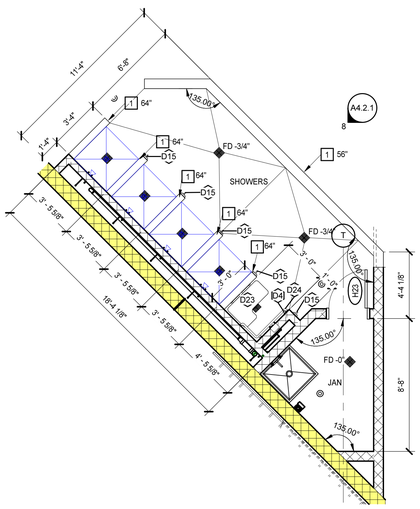
5 ENLARGED SHOWER PLAN
A2.3.1 A7.1.2 1/4" = 1'-0"



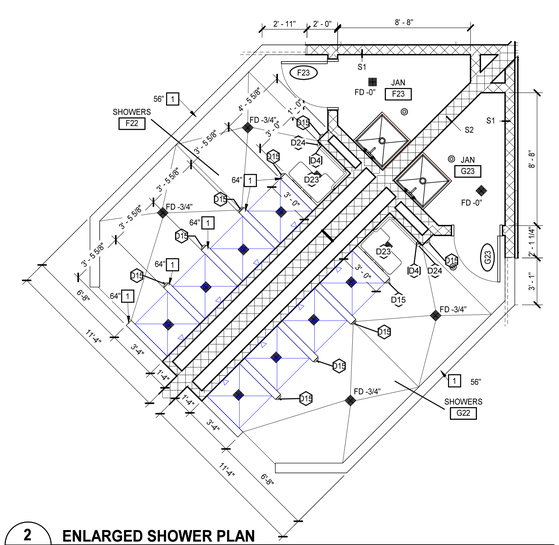
1 ENLARGED PLAN - INTAKE HOLDING
A2.1.0 A7.1.2 1/4" = 1'-0"



4 ENLARGED SHOWER PLAN
A2.2.2 A7.1.2 1/4" = 1'-0"



3 ENLARGED SHOWER PLAN
A2.2.0 A7.1.2 1/4" = 1'-0"



2 ENLARGED SHOWER PLAN
A2.3.1 A7.1.2 1/4" = 1'-0"

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS REGISTERED ARCHITECT 11547 NORTH CAROLINA CHARLOTTE, NC 12/12/23

MOSELEY ARCHITECTS, P.A. CORPORATE NO. C-2187 50149 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

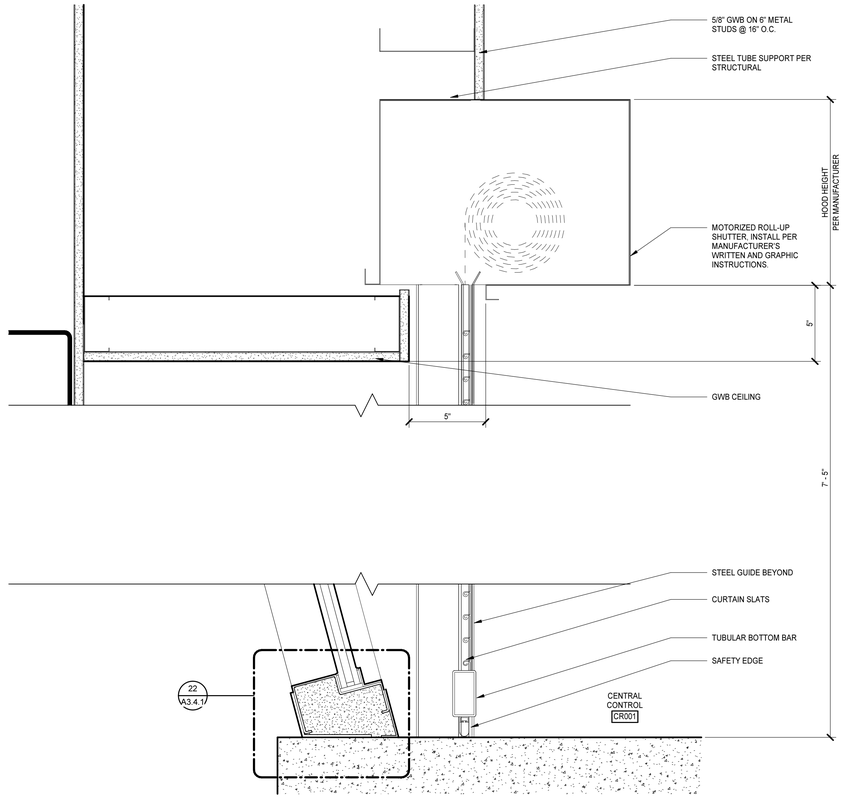
DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE:
621373	December 12, 2023
REVISIONS	
DATE	DESCRIPTION

ENLARGED PLANS

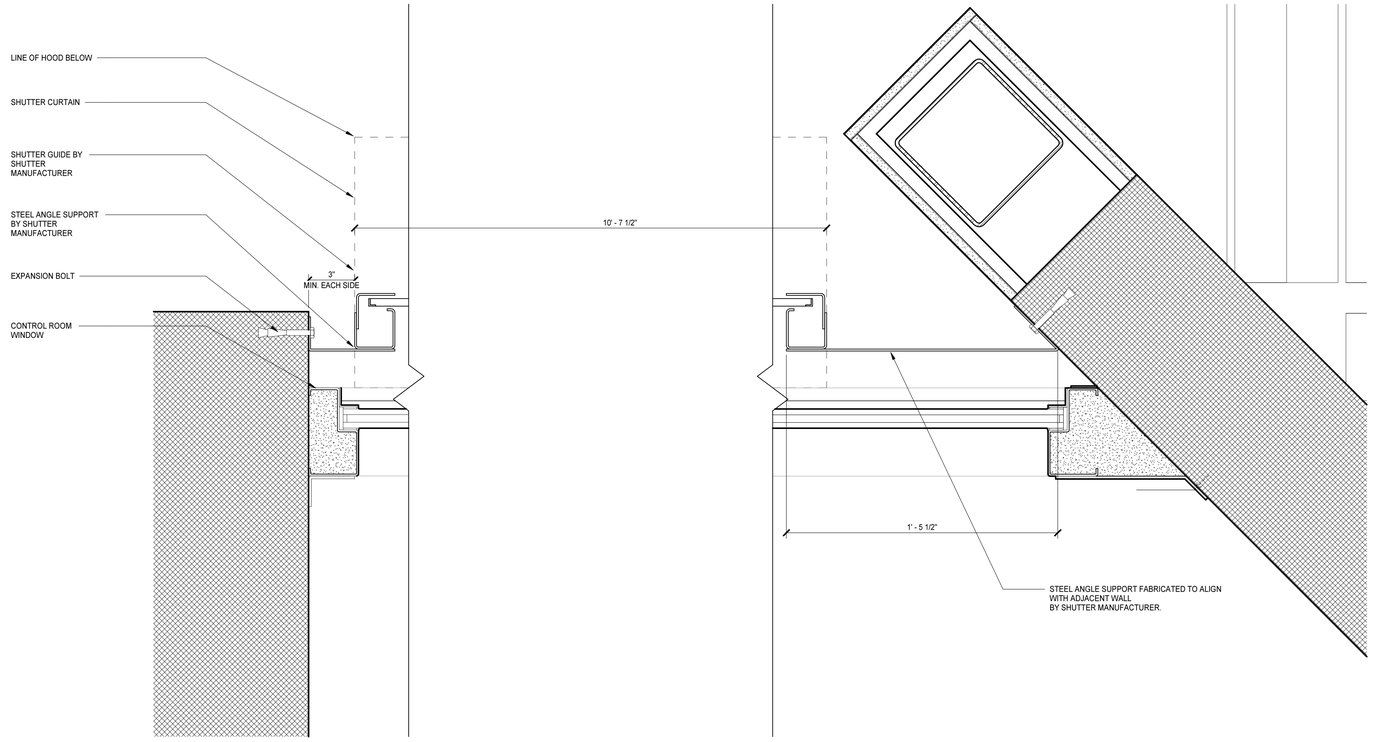
A7.1.2

12/13/2023 9:49:17 AM



2 SECTION DETAIL

A7.1.2 A7.1.3 3" = 1'-0"



1 PLAN DETAIL

A7.1.2 A7.1.3 3" = 1'-0"

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS REGISTERED ARCHITECT 11547 NORTH CAROLINA CHARLOTTE, NC
12/12/23

MOSELEY ARCHITECTS, P.A. REGISTERED CORPORATION 50149 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE:
621373	December 12, 2023

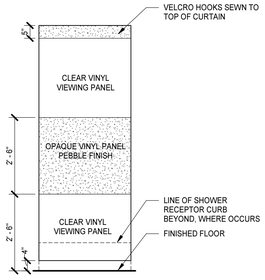
REVISIONS

DATE	DESCRIPTION

ENLARGED PLANS

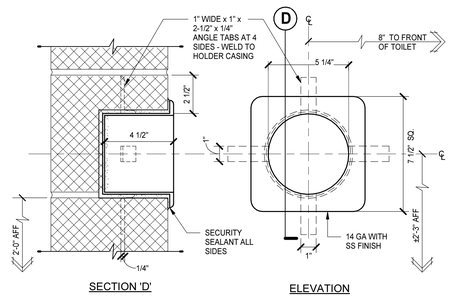
A7.1.3

12/13/2023 9:49:20 AM



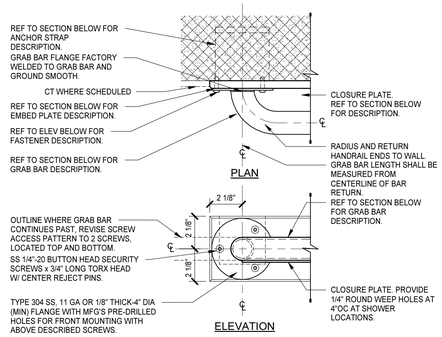
ELEVATION

16 TYP A7.2.1 DETENTION SHOWER CURTAIN
1/2" = 1'-0"

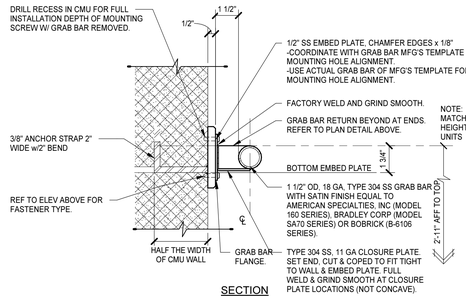


SECTION 'D' ELEVATION

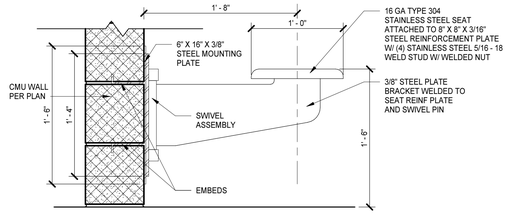
11 TYP A7.2.1 TOILET PAPER ROLL HOLDER (RECESSED)
3" = 1'-0"



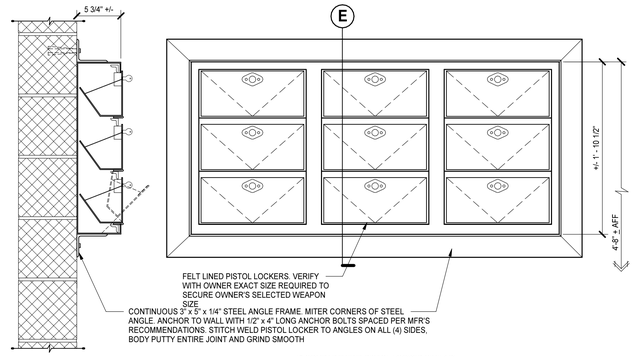
NOTE:
GRAB BARS FURNISHED UNDER DIVISION 11 AND INSTALLED UNDER DIVISION 4. SET GRAB BARS WITH EMBED PLATES ATTACHED. PROTECT UNIT UNTIL MASONARY MORTAR HAS CURED FOR FIRM ANCHORAGE.



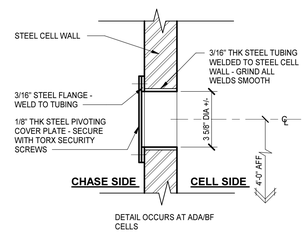
7 TYP A7.2.1 GRAB BAR W/ EMBED PLATE
3" = 1'-0"



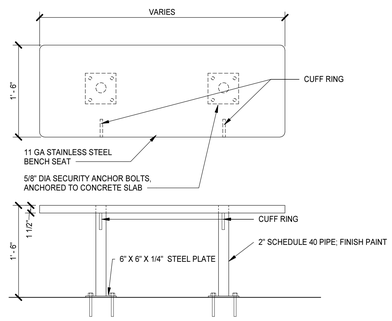
4 TYP A7.2.1 SWING STOOL
1 1/2" = 1'-0"



3 TYP A7.2.1 9 COMPARTMENT PISTOL LOCKER SURFACE MOUNTED
1 1/2" = 1'-0"

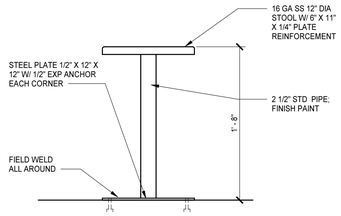


14 TYP A7.2.1 DETAIL - CPAP PORT
3" = 1'-0"

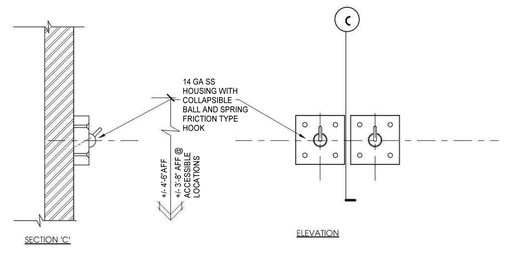


ELEVATION A

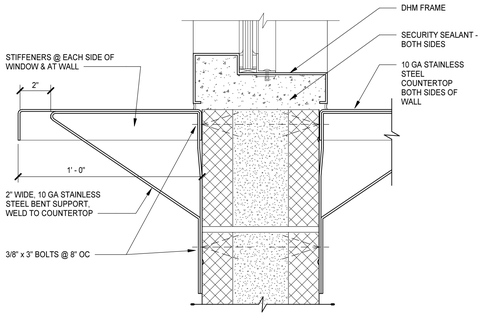
13 TYP A7.2.1 FLOOR-MOUNTED BENCH
1" = 1'-0"



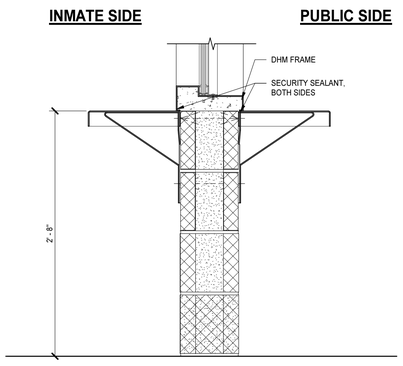
12 TYP A7.2.1 STOOL DETAIL - FLOOR-MOUNTED
1 1/2" = 1'-0"



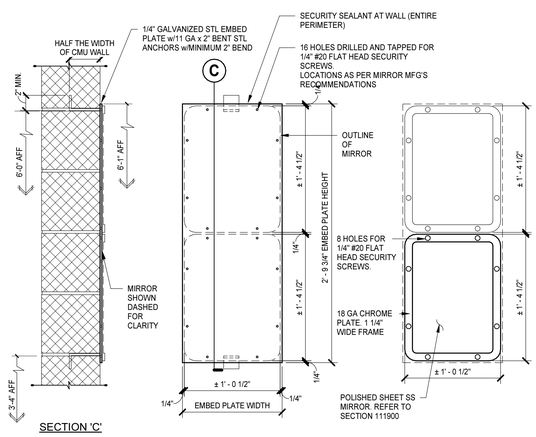
10 TYP A7.2.1 DETENTION HOOKS
3" = 1'-0"



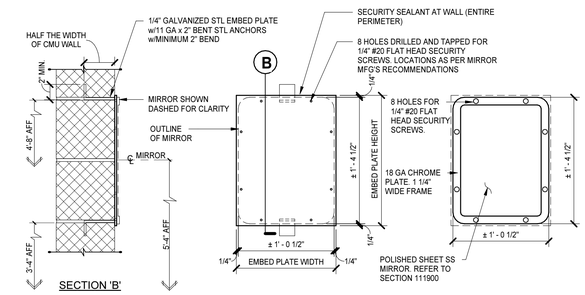
9 TYP A7.2.1 ENLARGED VISITATION BOOTH COUNTERTOP DETAIL
3" = 1'-0"



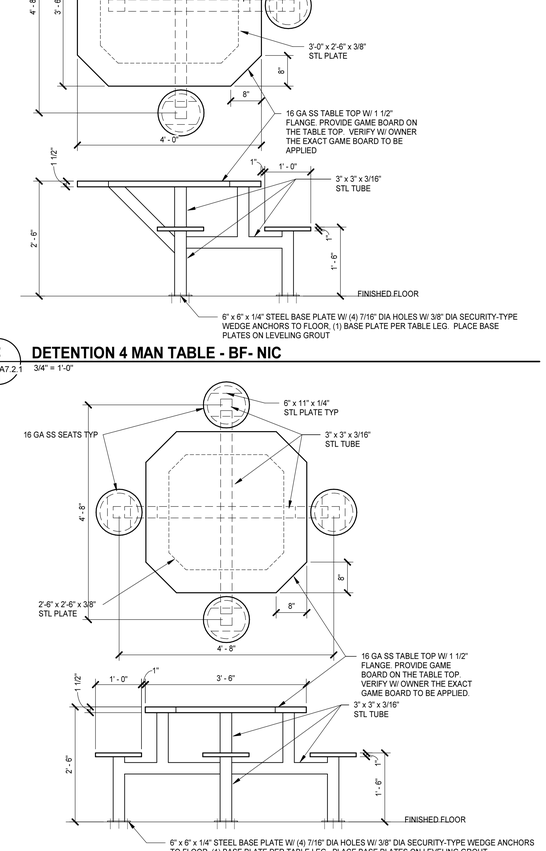
8 TYP A7.2.1 VISITATION BOOTH DETAIL
1 1/2" = 1'-0"



6 TYP A7.2.1 DETENTION MIRROR DETAIL (DOUBLE)
1 1/2" = 1'-0"



5 TYP A7.2.1 DETENTION MIRROR DETAIL (SINGLE)
1 1/2" = 1'-0"



2 TYP A7.2.1 DETENTION 4 MAN TABLE - BF- NIC
3/4" = 1'-0"

1 TYP A7.2.1 DETENTION 4 MAN TABLE
3/4" = 1'-0"

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS — REGISTERED ARCHITECT — 11547 — NORTH CAROLINA — CHARLOTTE, NC — 12/12/23

MOSELEY ARCHITECTS, P.C. — CORPORATE REGISTRATION — 50149 — NORTH CAROLINA — CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

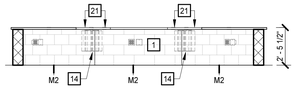
PROJECT NO.	DATE:
621373	December 12, 2023

REVISIONS	
DATE	DESCRIPTION

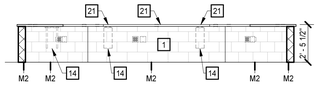
DETENTION EQUIPMENT DETAILS

A7.2.1

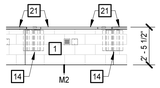
12/13/2023 9:49:23 AM



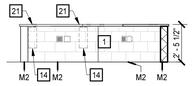
29 CR001 CONTROL DESK - N
1/4" = 1'-0"



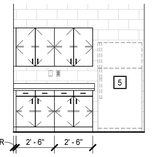
28 CR001 CONTROL DESK - NW
1/4" = 1'-0"



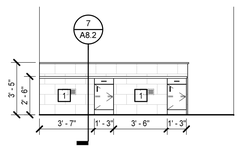
27 CR001 CONTROL DESK - W
1/4" = 1'-0"



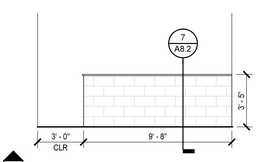
26 CR001 CONTROL DESK - SW
1/4" = 1'-0"



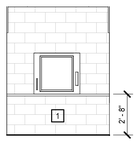
D25 PHARM M004
1/4" = 1'-0"



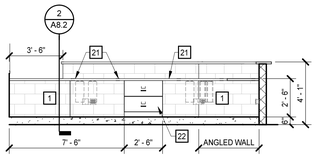
D24 NURSE STATION M003V- SOUTH
1/4" = 1'-0"



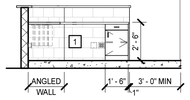
D23 NURSE STATION M003- NORTH
1/4" = 1'-0"



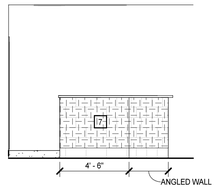
22 VISIT IP019
1/4" = 1'-0"



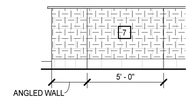
D21 BOOKING IP011 - STAFF W
1/4" = 1'-0"



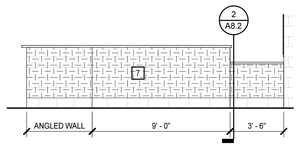
D20 BOOKING IP011 - STAFF N
1/4" = 1'-0"



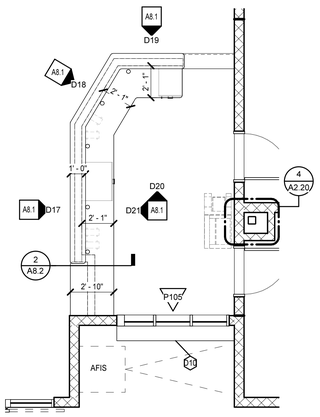
D19 BOOKING IP011 - S
1/4" = 1'-0"



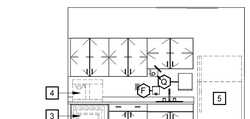
D18 BOOKING IP011 - SE
1/4" = 1'-0"



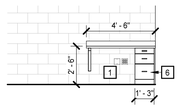
D17 BOOKING IP011 - E
1/4" = 1'-0"



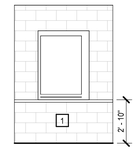
16 ENLARGED BOOKING IP011
A2.1.0 A8.1
1/4" = 1'-0"



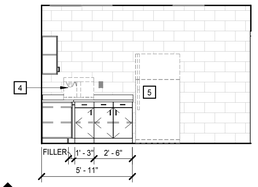
D15 IP003 BREATHALYZER - E
1/4" = 1'-0"



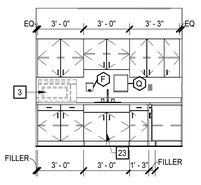
D14 IP003 BREATHALYZER - S
1/4" = 1'-0"



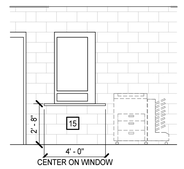
13 AD026 MAGISTRATE INMATE
1/4" = 1'-0"



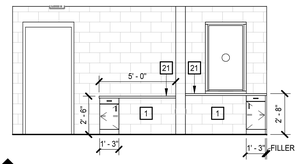
12 MAG. BREAK ROOM AD023 - N
1/4" = 1'-0"



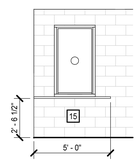
11 MAG. BREAK ROOM AD023 - W
1/4" = 1'-0"



10 MAGISTRATE WORK AREA 120 - N
1/4" = 1'-0"

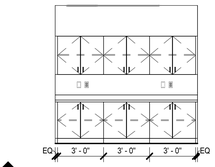


9 MAGISTRATE WORK AREA 120 - E
1/4" = 1'-0"

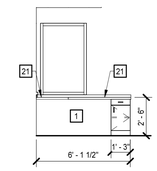


8 MAG. CONSULT 119
1/4" = 1'-0"

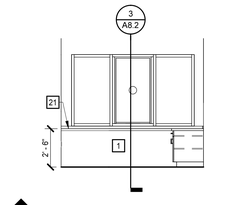
7 STAFF BREAK ROOM AD008
1/4" = 1'-0"



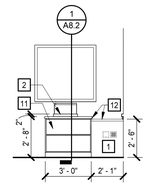
6 ADMIN WORK AREA 107
1/4" = 1'-0"



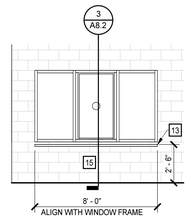
5 RECEPT. AD003 - NORTH
1/4" = 1'-0"



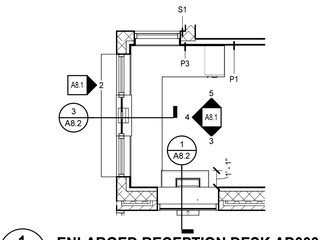
4 RECEPT. AD 003 - WEST
1/4" = 1'-0"



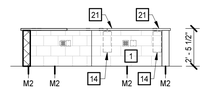
3 RECEPT. AD003 - SOUTH
1/4" = 1'-0"



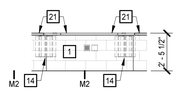
2 RECEPT. AD003 VISITOR SIDE
1/4" = 1'-0"



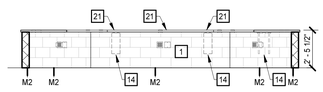
1 ENLARGED RECEPTION DESK AD003
A2.1.0 A8.1
1/4" = 1'-0"



32 CR001 CONTROL DESK - SE
1/4" = 1'-0"



31 CR001 CONTROL DESK - E
1/4" = 1'-0"



30 CR001 CONTROL DESK - NE
1/4" = 1'-0"

CASEWORK GENERAL NOTES

A. UNLESS INDICATED OTHERWISE, ALL COUNTERTOP(S);
- 2'-10" AFF OR 2'-10" TO TOP OF RIM AT DROP-IN SINKS AND LAVATORIES WHERE OCCURS
- 2'-1" DEEP
- SOLID SURFACE
- BACKSPLASHES: 4" HIGH AT ALL SIDES AND BACK
- EDGE STYLE: EASED, UNLESS INDICATED OTHERWISE.
- EXTEND COUNTERTOP 1/2" PAST BASE CABINET AT ALL EXPOSED CASEWORK ENDS
- VERIFY SLAB LEVELNESS AT CASEWORK PRIOR TO INSTALL. CONSTRUCTION TOLERANCES DO NOT APPLY TO ACCESSIBILITY DIMENSIONS; MAX DIMENSIONS SHALL BE MAINTAINED.

B. UNLESS INDICATED OTHERWISE, ALL BASE CABINET(S):
- 2'-0" DEEP NOMINAL
- TOE KICKS: 4" HIGH AND 3" DEEP
- SINK LOCATIONS: 3'-0" WIDE CLEAR KNEE SPACE (NO BASE CABINET) FOR BARRIER FREE ACCESS

C. UNLESS INDICATED OTHERWISE, ALL WALL CABINET(S):
- 1'-0" DEEP NOMINAL
- 2'-6" HIGH
- TOP AT 7'-0" AFF

D. BUILT-IN EQUIPMENT: SIZE OPENING (HEIGHT, WIDTH, AND DEPTH) AND ROUGH-IN REQUIREMENTS AS REQUIRED BASED ON APPROVED MANUFACTURER SUBMITTED.

E. ALL SHELVES: ADJUSTABLE UNLESS INDICATED OTHERWISE.

F. PROVIDE FINISH END PANELS AT ALL EXPOSED CASEWORK ENDS.

G. LOCKS: PROVIDE AT BREATHALYZER P.104, BOOKING P105, NURSE STATION M102, PHARMACY M103, UNLESS INDICATED OTHERWISE.

H. ELEVATION TAGS BEGINNING WITH "D" INDICATES DETENTION CASEWORK.

I. PROVIDE FULL BULLNOSE EDGE FOR DETENTION CASEWORK SSM COUNTERTOPS.

J. PROVIDE 2" RADIUSED CORNERS FOR SSM COUNTERTOPS IN BOOKING P105 AND NURSE STATION M102.

K. PROVIDE UNDERCOUNTER WIRE MANAGEMENT AT COUNTERTOPS WITH GROMMETS.

CASEWORK KEYNOTES
REPRESENTED BY [#]

1	OPEN KNEE SPACE - PROVIDE UNDERCOUNTER WORKSTATION SUPPORT BRACKETS. PAINT TO MATCH WALL COLOR.
2	PACKAGE PASS
3	MICROWAVE (NIC)
4	COFFEE MAKER (NIC)
5	REFRIGERATOR (NIC)
6	FILE DRAWER
7	HATCHED AREA REPRESENTS GALVANIZED DIAMOND PLATE METAL
8	SSM COUNTERTOP EASED EDGE AND 2"H BACKSPLASH
9	RECESSED DEAL TRAY INTEGRAL TO FRAME AND SILL
10	SPEAKER
11	OPEN CABINET - COORDINATE HEIGHT OF CASEWORK WITH HEIGHT AND DIMENSIONS OF PACKAGE PASS
12	SSM COUNTERTOP WITH EASED WATERFALL EDGE
13	12"D SSM COUNTERTOP WITH EASED EDGE
14	CPU HOLDER - COORDINATE LOCATION WITH OWNER
15	OPEN KNEE SPACE - PROVIDE UNDERCOUNTER COUNTERTOP SUPPORT BRACKETS
16	SSM COUNTERTOP WITH EASED EDGE AND APRON
17	FINISHED PLAM END PANEL BEYOND
18	REMOVABLE PLAM PANEL, 4'-0" WIDE MAX
19	1X WD BACKER SCREW-ATTACHED TO STL BRACKET
20	CONT 1X2 WD BLOCKING WITH BRACKETS FOR Z-CLIPS
21	GROMMET - COORDINATION LOCATION WITH OWNER PRIOR TO INSTALLATION.
22	FILE DRAWERS
23	ACCESSIBLE SINK CABINET WITH ATTACHED TOE KICK. REFER TO DETAIL 6/A8.2.
24	SSM COUNTERTOP WITH EASED EDGES AND RADIUSED CORNERS

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS REGISTERED ARCHITECT 11547 NORTH CAROLINA CHARLOTTE, NC 12/12/23

MOSELEY ARCHITECTS, P.A. CORPORATE NUMBER 50149 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO:	DATE:
621373	December 12, 2023

REVISIONS

DATE	DESCRIPTION

CASEWORK AND ELEVATIONS

A8.1

12/13/2023 9:49:42 AM

CASEWORK GENERAL NOTES

A. UNLESS INDICATED OTHERWISE, ALL COUNTERTOP(S):
- 2'-10" AFF OR 2'-10" TO TOP OF RIM AT DROP-IN SINKS AND LAVATORIES WHERE OCCURS
- 2'-1" DEEP
- SOLID SURFACE
- BACKSPLASHES: 4" HIGH AT ALL SIDES AND BACK
- EDGE STYLE: EASED, UNLESS INDICATED OTHERWISE.
- EXTEND COUNTERTOP 1/2" PAST BASE CABINET AT ALL EXPOSED CASEWORK ENDS
- VERIFY SLAB LEVELNESS AT CASEWORK PRIOR TO INSTALL. CONSTRUCTION TOLERANCES DO NOT APPLY TO ACCESSIBILITY DIMENSIONS; MAX DIMENSIONS SHALL BE MAINTAINED.

B. UNLESS INDICATED OTHERWISE, ALL BASE CABINET(S):
- 2'-0" DEEP NOMINAL
- TOE KICKS: 4" HIGH AND 3" DEEP
- SINK LOCATIONS: 3'-0" WIDE CLEAR KNEE SPACE (NO BASE CABINET) FOR BARRIER FREE ACCESS

C. UNLESS INDICATED OTHERWISE, ALL WALL CABINET(S):
- 1'-0" DEEP NOMINAL
- 2'-6" HIGH
- TOP AT 7'-0" AFF

D. BUILT-IN EQUIPMENT: SIZE OPENING (HEIGHT, WIDTH, AND DEPTH) AND ROUGH-IN REQUIREMENTS AS REQUIRED BASED ON APPROVED MANUFACTURER SUBMITTED.

E. ALL SHELVES: ADJUSTABLE UNLESS INDICATED OTHERWISE.

F. PROVIDE FINISH END PANELS AT ALL EXPOSED CASEWORK ENDS.

G. LOCKS: PROVIDE AT BREATHALYZER P104, BOOKING P105, NURSE STATION M102, PHARMACY M103, UNLESS INDICATED OTHERWISE.

H. ELEVATION TAGS BEGINNING WITH "D" INDICATES DETENTION CASEWORK.

I. PROVIDE FULL BULLNOSE EDGE FOR DETENTION CASEWORK SSM COUNTERTOPS.

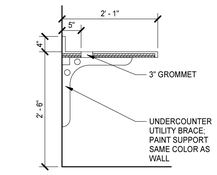
J. PROVIDE 2" RADIUSED CORNERS FOR SSM COUNTERTOPS IN BOOKING P105 AND NURSE STATION M102.

K. PROVIDE UNDERCOUNTER WIRE MANAGEMENT AT COUNTERTOPS WITH GROMMETS.

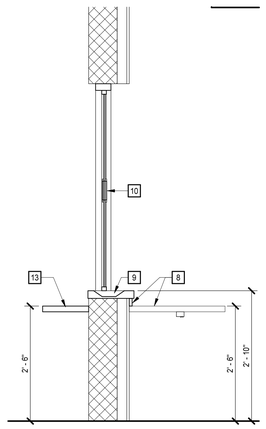
CASEWORK KEYNOTES

REPRESENTED BY [x]

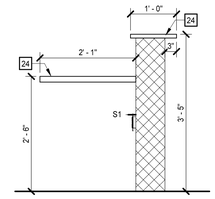
1	OPEN KNEE SPACE - PROVIDE UNDERCOUNTER WORKSTATION SUPPORT BRACKETS. PAINT TO MATCH WALL COLOR.
2	PACKAGE PASS
3	MICROWAVE (NIC)
4	COFFEE MAKER (NIC)
5	REFRIGERATOR (NIC)
6	FILE DRAWER
7	HATCHED AREA REPRESENTS GALVANIZED DIAMOND PLATE METAL
8	SSM COUNTERTOP EASED EDGE AND 2"H BACKSPLASH
9	RECESSED DEAL TRAY INTEGRAL TO FRAME AND SILL
10	SPEAKER
11	OPEN CABINET - COORDINATE HEIGHT OF CASEWORK WITH HEIGHT AND DIMENSIONS OF PACKAGE PASS
12	SSM COUNTERTOP WITH EASED WATERFALL EDGE
13	12"D SSM COUNTERTOP WITH EASED EDGE
14	CPU HOLDER - COORDINATE LOCATION WITH OWNER
15	OPEN KNEE SPACE - PROVIDE UNDERCOUNTER COUNTERTOP SUPPORT BRACKETS
16	SSM COUNTERTOP WITH EASED EDGE AND APRON
17	FINISHED PLAM END PANEL BEYOND
18	REMOVABLE PLAM PANEL, 4'-0" WIDE MAX
19	1X WD BACKER SCREW-ATTACHED TO STL BRACKET
20	CONT 1X2 WD BLOCKING WITH BRACKETS FOR Z-CLIPS
21	GROMMET - COORDINATION LOCATION WITH OWNER PRIOR TO INSTALLATION.
22	FILE DRAWERS
23	ACCESSIBLE SINK CABINET WITH ATTACHED TOE KICK. REFER TO DETAIL 6/A8.2.
24	SSM COUNTERTOP WITH EASED EDGES AND RADIUSED CORNERS



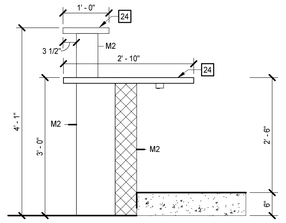
4 TYP A8.2 **SECTION - TYPICAL COUNTER WITH BRACING**
3/4" = 1'-0"



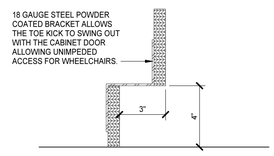
3 A8.1 A8.2 **SECTION - LOBBY/RECEPTION**
3/4" = 1'-0"



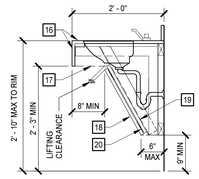
7 A2.2.0 A8.2 **SECTION - NURSE STATION**
3/4" = 1'-0"



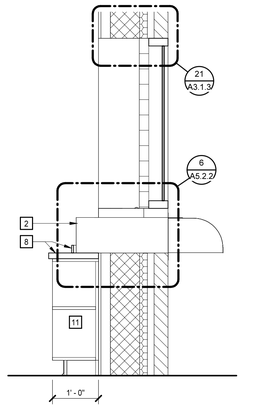
2 A8.1 A8.2 **SECTION BOOKING IP011**
3/4" = 1'-0"



6 TYP A8.2 **DETAIL - ACCESSIBLE TOEKICK**
3" = 1'-0"



5 TYP A8.2 **SECTION - TYPICAL REMOVEABLE SINK PANEL**
3/4" = 1'-0"



1 A8.1 A8.2 **SECTION - PACKAGE PASS**
3/4" = 1'-0"

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS REGISTERED ARCHITECT 11547 NORTH CAROLINA CHARLOTTE, NC 12/12/23

MOSELEY ARCHITECTS, P.A. CHARLOTTE, NORTH CAROLINA CORPORATION 50149

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE:
621373	December 12, 2023

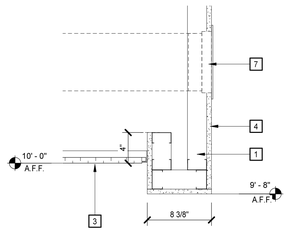
REVISIONS

DATE	DESCRIPTION

CASEWORK AND ELEVATIONS

A8.2

12/13/2023 9:49:46 AM



3 A9.1.1 **ENLARGED DETAIL**
1 1/2" = 1'-0"

REFLECTED CEILING PLAN/DETAIL GENERAL NOTES

A. ALL CEILING HEIGHTS SHALL BE 9'-0" AFF UNLESS INDICATED OTHERWISE.

B. DRAWINGS INDICATE GRID LAYOUT DIAGRAMMATICALLY. REFER TO SPECIFICATIONS FOR SPECIFIC GRID LAYOUT CRITERIA AT PERIMETER CONDITIONS THAT MAY DIFFER FROM GRID LAYOUT INDICATED ON DRAWINGS.

C. CENTER CEILING MOUNTED ITEMS WITHIN CEILING PANELS, UNLESS INDICATED OTHERWISE.

D. IF ADDITIONAL SPRINKLER HEADS ARE REQUIRED TO SATISFY CODE OR COVERAGE DENSITIES (OTHER THAN THOSE THAT MAY BE INDICATED), PROVIDE ADDITIONAL SPRINKLER HEADS AT NO ADDITIONAL COST AND OBTAIN APPROVAL OF ARCHITECT FOR LOCATION OF SUCH HEADS, IF ANY.

E. SEE SPEC SECTION 083100 FOR MORE INFORMATION REGARDING CEILING ACCESS DOORS.

F. SECURITY RATED ACCESS PANELS SHALL BE REQUIRED FOR ALL SECURITY RATE CEILINGS.

G. COORDINATE LOCATION OF VERTICAL ACCESS PANELS FOR ACCESS ABOVE NON-ACCESSIBLE CEILINGS WITH MECHANICAL DRAWINGS.

REFLECTED CEILING PLAN KEYNOTES

REPRESENTED BY [n]

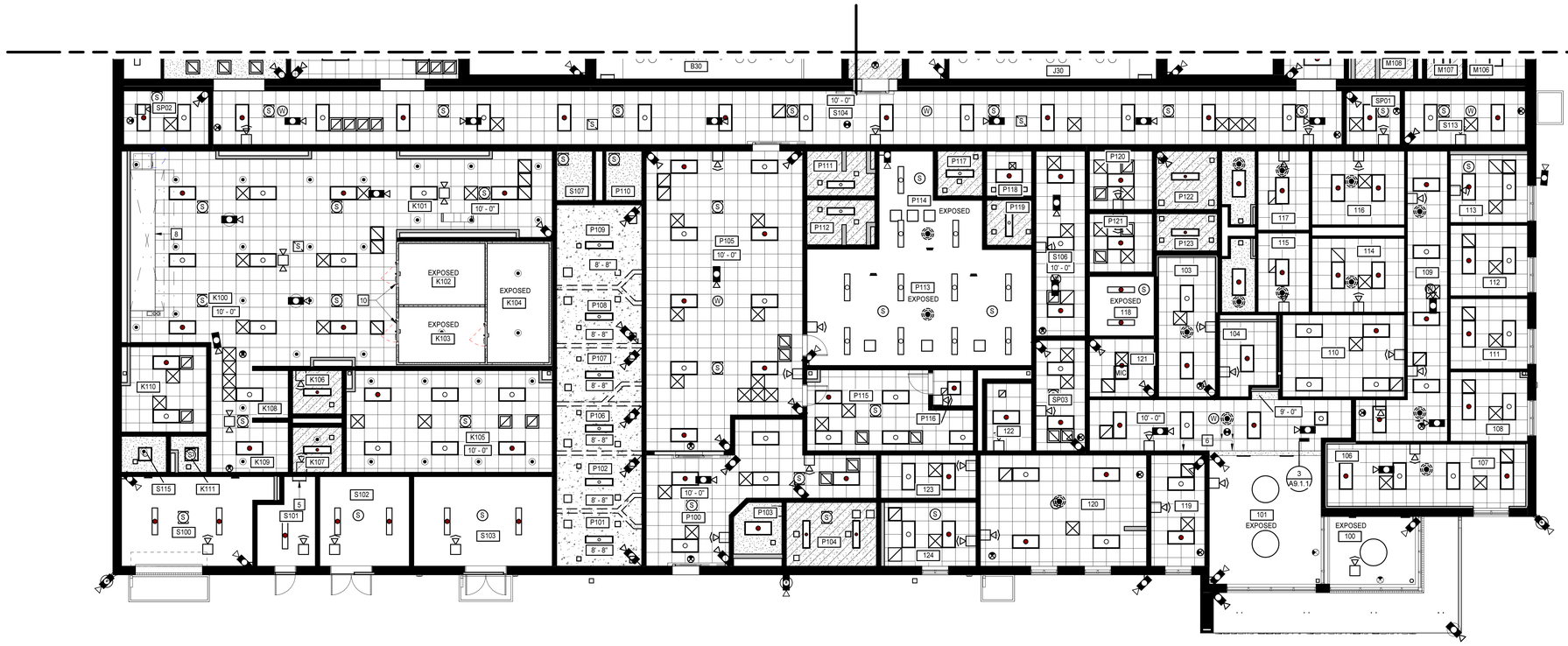
1	CFSF-S FRAMING
2	5/8" GYP BD, TERMINATE 4" ABV FIN CLG
3	CEILING PER A-9 SERIES
4	5/8" GYP BD, EXTEND FULL HEIGHT, UNLESS INDICATED OTHERWISE
5	ROOF LADDER
6	ALIGN
7	COORDINATE DIFFUSER / DUCT LOCATION WITH MECHANICAL DRAWINGS
8	KITCHEN HOOD - COORDINATE OPENING WITH FOOD SERVICE DRAWINGS
10	HEAD HEIGHT OF OPENING IS @ 8'-0" AFF
11	SHADED HATCH INDICATES AREA INCLUDED IN BASE BID SCOPE
12	CEILING MOUNTED CURTAIN TRACK

REFLECTED CEILING PLAN LEGEND

APPLIES TO DRAWINGS A9.1.n - A9.1.n
REFER TO M, E & FP DRAWINGS FOR REFLECTED CEILING PLAN SYMBOLS NOT INDICATED BELOW

- A101 — SPACE NUMBER
- nn'-nn" — CEILING HEIGHT, AFF UNO
- INTERIOR APPLICATIONS: GYPSUM BOARD CEILING
  EXTERIOR APPLICATIONS: GYPSUM SOFFIT BOARD OR GYPSUM SHEATHING
- 2'-0" x 2'-0" LAY-IN ACOUSTICAL CEILING PANELS IN SUSPENDED GRID
- SECURE GYPSUM CEILING, BY DIVISION 09 GYPSUM BOARD SECURITY ASSEMBLIES
- METAL CEILING, BY DIVISION 12 STEEL CELL MFR
- 12 GA METAL PLATE UNDER TIER, BY DIVISION 05 METAL FABRICATIONS
- STEEL WIRE MESH
- CONCRETE CEILING CAP

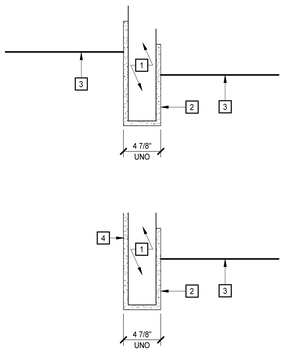
WITH OPENING	EXTERIOR WALL
WITH OPENING	INTERIOR WALL/PARTITION TO UNDERSIDE OF DECK
WITH OPENING	INTERIOR WALL/PARTITION TO CAP ABOVE OR TERMINATES ADJACENT TO A RATED HORIZONTAL ASSEMBLY
WITH OPENING	INTERIOR WALL/PARTITION 4" MIN ABOVE HIGHEST ADJACENT CEILING. IF NECESSARY TO ACHIEVE RESULTS DESIRED, EXTEND WALL HEIGHT SO WALL BRACING IS NOT EXPOSED TO VIEW IN FINISHED SPACES
	INTERIOR WALL/PARTITION TO UNDERSIDE OF CEILING
	EXISTING TO REMAIN, VERIFY VERTICAL EXTENTS WHERE THE HEIGHT IMPACTS THE WORK



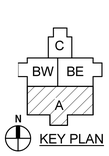
N

REFLECTED CEILING PLAN - FIRST FLOOR PLAN - PART A
1/8" = 1'-0"

0' 2' 4' 8' 16'
1/8" = 1'-0"



BULKHEAD DETAILS
NO SCALE



MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS REGISTERED ARCHITECT 11547 NORTH CAROLINA CHARLOTTE, NC 12/12/23

MOSELEY ARCHITECTS, P.A. CORPORATE NO. C-1647 50149 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO:	DATE:
621373	December 12, 2023

REVISIONS

DATE	DESCRIPTION

REFLECTED CEILING PLAN - FIRST FLOOR - PART A

A9.1.1

12/13/2023 9:49:53 AM

REFLECTED CEILING PLAN/DETAIL GENERAL NOTES

A. ALL CEILING HEIGHTS SHALL BE 9'-0" AFF UNLESS INDICATED OTHERWISE.

B. DRAWINGS INDICATE GRID LAYOUT DIAGRAMMATICALLY. REFER TO SPECIFICATIONS FOR SPECIFIC GRID LAYOUT CRITERIA AT PERIMETER CONDITIONS THAT MAY DIFFER FROM GRID LAYOUT INDICATED ON DRAWINGS.

C. CENTER CEILING MOUNTED ITEMS WITHIN CEILING PANELS, UNLESS INDICATED OTHERWISE.

D. IF ADDITIONAL SPRINKLER HEADS ARE REQUIRED TO SATISFY CODE OR COVERAGE DENSITIES (OTHER THAN THOSE THAT MAY BE INDICATED), PROVIDE ADDITIONAL SPRINKLER HEADS AT NO ADDITIONAL COST AND OBTAIN APPROVAL OF ARCHITECT FOR LOCATION OF SUCH HEADS, IF ANY.

E. SEE SPEC SECTION 083100 FOR MORE INFORMATION REGARDING CEILING ACCESS DOORS.

F. SECURITY RATED ACCESS PANELS SHALL BE REQUIRED FOR ALL SECURITY RATE CEILINGS.

G. COORDINATE LOCATION OF VERTICAL ACCESS PANELS FOR ACCESS ABOVE NON-ACCESSIBLE CEILINGS WITH MECHANICAL DRAWINGS.

REFLECTED CEILING PLAN KEYNOTES

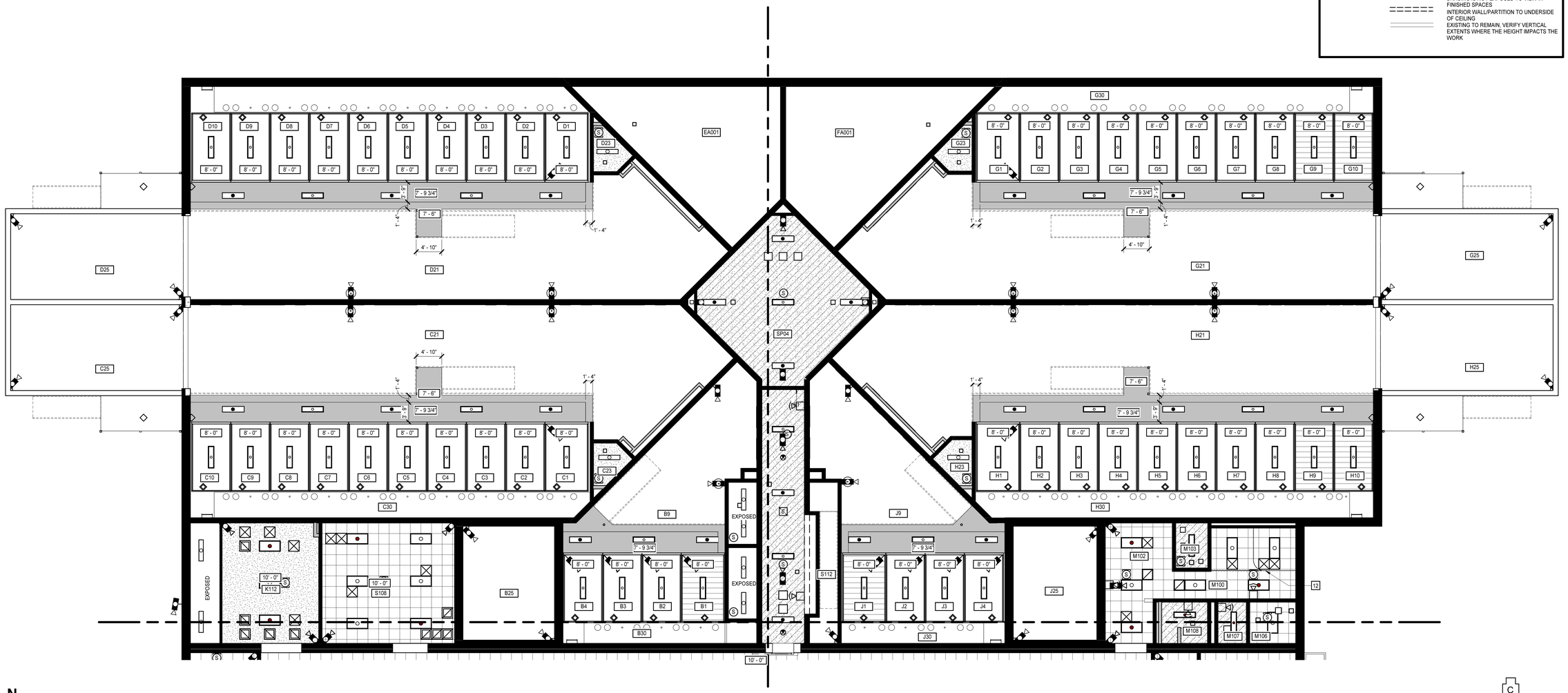
REPRESENTED BY [x]

1	CFSF-S FRAMING
2	5/8" GYP BD, TERMINATE 4" ABV FIN CLG
3	CEILING PER A-9 SERIES
4	5/8" GYP BD, EXTEND FULL HEIGHT, UNLESS INDICATED OTHERWISE
5	ROOF LADDER
6	ALIGN
7	COORDINATE DIFFUSER / DUCT LOCATION WITH MECHANICAL DRAWINGS
8	KITCHEN HOOD - COORDINATE OPENING WITH FOOD SERVICE DRAWINGS
10	HEAD HEIGHT OF OPENING IS @ 8'-0" AFF
11	SHADED HATCH INDICATES AREA INCLUDED IN BASE BID SCOPE
12	CEILING MOUNTED CURTAIN TRACK

REFLECTED CEILING PLAN LEGEND

APPLIES TO DRAWINGS A9.1.n - A9.1.n
REFER TO M, E & FP DRAWINGS FOR REFLECTED CEILING PLAN SYMBOLS NOT INDICATED BELOW

- A101 — SPACE NUMBER
- nn'-nn" — CEILING HEIGHT, AFF UNO
- INTERIOR APPLICATIONS: GYPSUM BOARD CEILING
  EXTERIOR APPLICATIONS: GYPSUM SOFFIT BOARD OR GYPSUM SHEATHING
- 2'-0" x 2'-0" LAY-IN ACOUSTICAL CEILING PANELS IN SUSPENDED GRID
- SECURE GYPSUM CEILING, BY DIVISION 09 GYPSUM BOARD SECURITY ASSEMBLIES
- METAL CEILING, BY DIVISION 12 STEEL CELL MFR
- 12 GA METAL PLATE UNDER TIER, BY DIVISION 05 METAL FABRICATIONS
- STEEL WIRE MESH
- CONCRETE CEILING CAP
- WITH OPENING — EXTERIOR WALL
- WITH OPENING — INTERIOR WALL/PARTITION TO UNDERSIDE OF DECK
- WITH OPENING — INTERIOR WALL/PARTITION TO CAP ABOVE OR TERMINATES ADJACENT TO A RATED HORIZONTAL ASSEMBLY
- WITH OPENING — INTERIOR WALL/PARTITION 4" MIN ABOVE HIGHEST ADJACENT CEILING. IF NECESSARY TO ACHIEVE RESULTS DESIRED, EXTEND WALL HEIGHT SO WALL BRACING IS NOT EXPOSED TO VIEW IN FINISHED SPACES
- INTERIOR WALL/PARTITION TO UNDERSIDE OF CEILING
  EXISTING TO REMAIN, VERIFY VERTICAL EXTENTS WHERE THE HEIGHT IMPACTS THE WORK



N

REFLECTED CEILING PLAN - FIRST FLOOR PLAN - PART B - BASE BID
1/8" = 1'-0"

0' 2' 4' 8' 16'
1/8" = 1'-0"

C / BW BE / A
N KEY PLAN

12/13/2023 9:49:59 AM

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS — REGISTERED ARCHITECT — 11547 — NORTH CAROLINA — CHARLOTTE, NC — 12/12/23

MOSELEY ARCHITECTS, P.A. — NORTH CAROLINA CORPORATION — 50149 — CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO:	DATE:
621373	December 12, 2023

REVISIONS

DATE	DESCRIPTION

REFLECTED CEILING PLAN - FIRST FLOOR - PART B -BASE BID

A9.1.2

REFLECTED CEILING PLAN/DETAIL GENERAL NOTES

A. ALL CEILING HEIGHTS SHALL BE 9'-0" AFF UNLESS INDICATED OTHERWISE.

B. DRAWINGS INDICATE GRID LAYOUT DIAGRAMMATICALLY. REFER TO SPECIFICATIONS FOR SPECIFIC GRID LAYOUT CRITERIA AT PERIMETER CONDITIONS THAT MAY DIFFER FROM GRID LAYOUT INDICATED ON DRAWINGS.

C. CENTER CEILING MOUNTED ITEMS WITHIN CEILING PANELS, UNLESS INDICATED OTHERWISE.

D. IF ADDITIONAL SPRINKLER HEADS ARE REQUIRED TO SATISFY CODE OR COVERAGE DENSITIES (OTHER THAN THOSE THAT MAY BE INDICATED), PROVIDE ADDITIONAL SPRINKLER HEADS AT NO ADDITIONAL COST AND OBTAIN APPROVAL OF ARCHITECT FOR LOCATION OF SUCH HEADS, IF ANY.

E. SEE SPEC SECTION 083100 FOR MORE INFORMATION REGARDING CEILING ACCESS DOORS.

F. SECURITY RATED ACCESS PANELS SHALL BE REQUIRED FOR ALL SECURITY RATE CEILINGS.

G. COORDINATE LOCATION OF VERTICAL ACCESS PANELS FOR ACCESS ABOVE NON-ACCESSIBLE CEILINGS WITH MECHANICAL DRAWINGS.

REFLECTED CEILING PLAN KEYNOTES

REPRESENTED BY [ ]

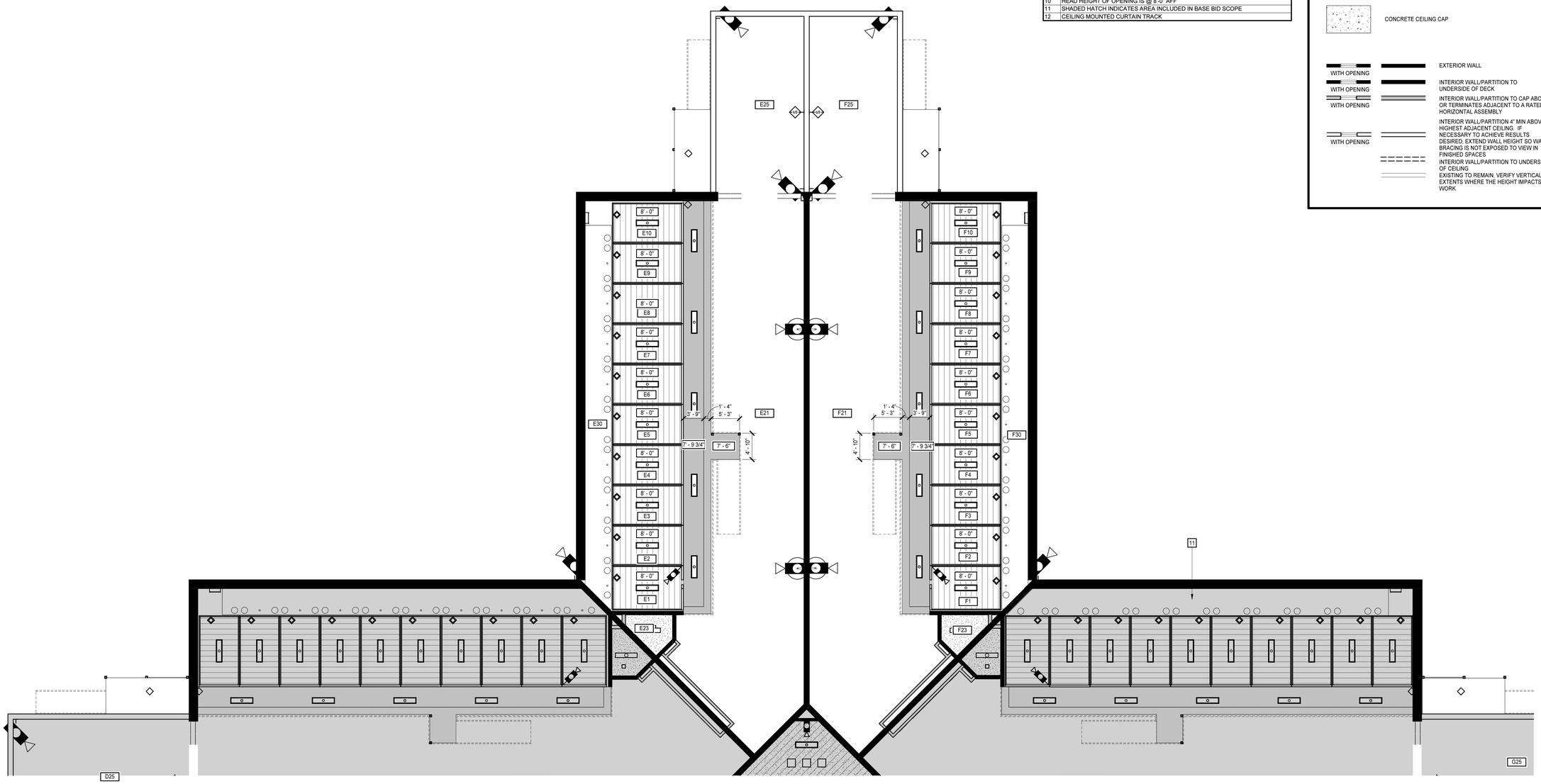
1	CFSF-S FRAMING
2	5/8" GYP BD, TERMINATE 4" ABV FIN CLG
3	CEILING PER A-9 SERIES
4	5/8" GYP BD, EXTEND FULL HEIGHT, UNLESS INDICATED OTHERWISE
5	ROOF LADDER
6	ALIGN
7	COORDINATE DIFFUSER / DUCT LOCATION WITH MECHANICAL DRAWINGS
8	KITCHEN HOOD - COORDINATE OPENING WITH FOOD SERVICE DRAWINGS
10	HEAD HEIGHT OF OPENING IS @ 6'-0" AFF
11	SHADED HATCH INDICATES AREA INCLUDED IN BASE BID SCOPE
12	CEILING MOUNTED CURTAIN TRACK

REFLECTED CEILING PLAN LEGEND

APPLIES TO DRAWINGS A9.1.n - A9.1.n
REFER TO M, E & FP DRAWINGS FOR REFLECTED CEILING PLAN SYMBOLS NOT INDICATED BELOW

- A101 / nn'-nn" — SPACE NUMBER / CEILING HEIGHT, AFF UNO
- INTERIOR APPLICATIONS: GYPSUM BOARD CEILING
  EXTERIOR APPLICATIONS: GYPSUM SOFFIT BOARD OR GYPSUM SHEATHING
- 2'-0" x 2'-0" LAY-IN ACOUSTICAL CEILING PANELS IN SUSPENDED GRID
- SECURE GYPSUM CEILING, BY DIVISION 09 GYPSUM BOARD SECURITY ASSEMBLIES
- METAL CEILING, BY DIVISION 12 STEEL CELL MFR
- 12 GA METAL PLATE UNDER TIER, BY DIVISION 05 METAL FABRICATIONS
- STEEL WIRE MESH
- CONCRETE CEILING CAP

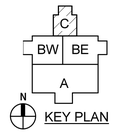
- WITH OPENING — EXTERIOR WALL
- WITH OPENING — INTERIOR WALL/PARTITION TO UNDERSIDE OF DECK
- WITH OPENING — INTERIOR WALL/PARTITION TO CAP ABOVE OR TERMINATES ADJACENT TO A RATED HORIZONTAL ASSEMBLY
- WITH OPENING — INTERIOR WALL/PARTITION 4" MIN ABOVE HIGHEST ADJACENT CEILING. IF NECESSARY TO ACHIEVE RESULTS DESIRED, EXTEND WALL HEIGHT SO WALL BRACING IS NOT EXPOSED TO VIEW IN FINISHED SPACES
- INTERIOR WALL/PARTITION TO UNDERSIDE OF CEILING
  EXISTING TO REMAIN, VERIFY VERTICAL EXTENTS WHERE THE HEIGHT IMPACTS THE WORK



N

RCP FIRST FLOOR PLAN - PART C - ADD ALTERNATE
1/8" = 1'-0"

0' 2' 4' 8' 16'
1/8" = 1'-0"



KEY PLAN

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS — REGISTERED ARCHITECT — 11547 — NORTH CAROLINA — CHARLOTTE, NC — 12/12/23

MOSELEY ARCHITECTS, P.A. — CORPORATE REGISTRATION — 50149 — NORTH CAROLINA — CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE
621373	December 12, 2023

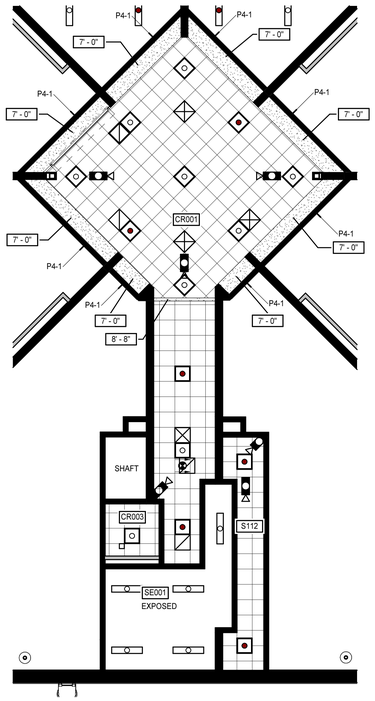
REVISIONS

DATE	DESCRIPTION

REFLECTED CEILING PLAN - FIRST FLOOR - PART C - ADD ALT

A9.1.3

12/13/2023 9:50:03 AM



2 A6.1.1 A9.1.4 **MASTER CONTROL LEVEL**
1/8" = 1'-0"

REFLECTED CEILING PLAN/DETAIL GENERAL NOTES

A. ALL CEILING HEIGHTS SHALL BE 9'-0" AFF UNLESS INDICATED OTHERWISE.

B. DRAWINGS INDICATE GRID LAYOUT DIAGRAMMATICALLY. REFER TO SPECIFICATIONS FOR SPECIFIC GRID LAYOUT CRITERIA AT PERIMETER CONDITIONS THAT MAY DIFFER FROM GRID LAYOUT INDICATED ON DRAWINGS.

C. CENTER CEILING MOUNTED ITEMS WITHIN CEILING PANELS, UNLESS INDICATED OTHERWISE.

D. IF ADDITIONAL SPRINKLER HEADS ARE REQUIRED TO SATISFY CODE OR COVERAGE DENSITIES (OTHER THAN THOSE THAT MAY BE INDICATED), PROVIDE ADDITIONAL SPRINKLER HEADS AT NO ADDITIONAL COST AND OBTAIN APPROVAL OF ARCHITECT FOR LOCATION OF SUCH HEADS, IF ANY.

E. SEE SPEC SECTION 083100 FOR MORE INFORMATION REGARDING CEILING ACCESS DOORS.

F. SECURITY RATED ACCESS PANELS SHALL BE REQUIRED FOR ALL SECURITY RATE CEILINGS.

G. COORDINATE LOCATION OF VERTICAL ACCESS PANELS FOR ACCESS ABOVE NON-ACCESSIBLE CEILINGS WITH MECHANICAL DRAWINGS.

REFLECTED CEILING PLAN KEYNOTES

REPRESENTED BY [+]

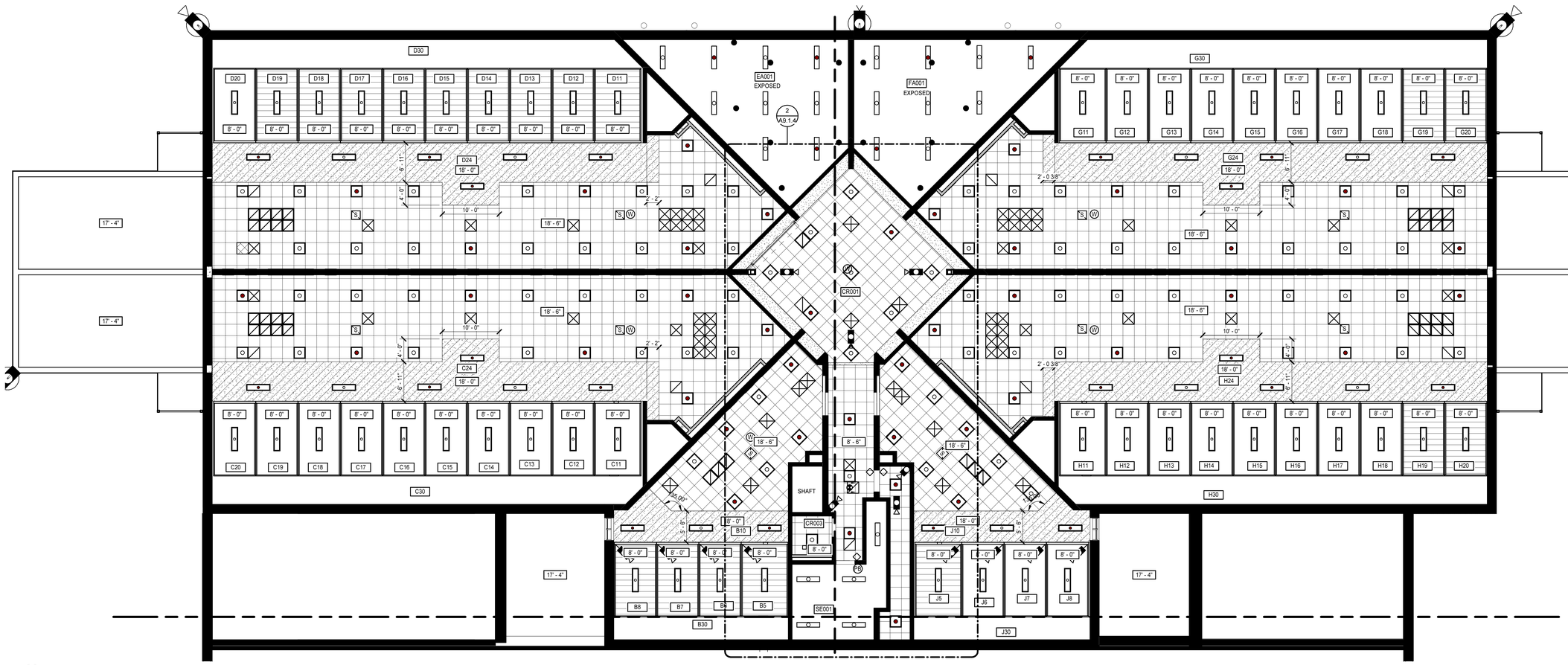
1	CFSF-S FRAMING
2	5/8" GYP BD, TERMINATE 4" ABV FIN CLG
3	CEILING PER A-9 SERIES
4	5/8" GYP BD, EXTEND FULL HEIGHT, UNLESS INDICATED OTHERWISE
5	ROOF LADDER
6	ALIGN
7	COORDINATE DIFFUSER / DUCT LOCATION WITH MECHANICAL DRAWINGS
8	KITCHEN HOOD - COORDINATE OPENING WITH FOOD SERVICE DRAWINGS
10	HEAD HEIGHT OF OPENING IS @ 8'-0" AFF
11	SHADED HATCH INDICATES AREA INCLUDED IN BASE BID SCOPE
12	CEILING MOUNTED CURTAIN TRACK

REFLECTED CEILING PLAN LEGEND

APPLIES TO DRAWINGS A9.1.n - A9.1.n
REFER TO M, E & FP DRAWINGS FOR REFLECTED CEILING PLAN SYMBOLS NOT INDICATED BELOW

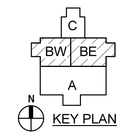
- A101 / nn'-nn" — SPACE NUMBER / CEILING HEIGHT, AFF UNO
- INTERIOR APPLICATIONS: GYPSUM BOARD CEILING
  EXTERIOR APPLICATIONS: GYPSUM SOFFIT BOARD OR GYPSUM SHEATHING
- 2'-0" x 2'-0" LAY-IN ACOUSTICAL CEILING PANELS IN SUSPENDED GRID
- SECURE GYPSUM CEILING, BY DIVISION 09 GYPSUM BOARD SECURITY ASSEMBLIES
- METAL CEILING, BY DIVISION 12 STEEL CELL MFR
- 12 GA METAL PLATE UNDER TIER, BY DIVISION 05 METAL FABRICATIONS
- STEEL WIRE MESH
- CONCRETE CEILING CAP

WITH OPENING — EXTERIOR WALL
WITH OPENING — INTERIOR WALL/PARTITION TO UNDERSIDE OF DECK
WITH OPENING — INTERIOR WALL/PARTITION TO CAP ABOVE OR TERMINATES ADJACENT TO A RATED HORIZONTAL ASSEMBLY
WITH OPENING — INTERIOR WALL/PARTITION 4" MIN ABOVE HIGHEST ADJACENT CEILING. IF NECESSARY TO ACHIEVE RESULTS DESIRED, EXTEND WALL HEIGHT SO WALL BRACING IS NOT EXPOSED TO VIEW IN FINISHED SPACES
INTERIOR WALL/PARTITION TO UNDERSIDE OF CEILING
EXISTING TO REMAIN. VERIFY VERTICAL EXTENTS WHERE THE HEIGHT IMPACTS THE WORK



N
RCP - TIER LEVEL - PART B
1/8" = 1'-0"

0' 2' 4' 8' 16'
1/8" = 1'-0"



KEY PLAN

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS REGISTERED ARCHITECT 11547 NORTH CAROLINA CHARLOTTE, NC 12/12/23

MOSELEY ARCHITECTS, P.A. CHARLOTTE, NC 50149

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO:	DATE:
621373	December 12, 2023

REVISIONS

DATE	DESCRIPTION

REFLECTED CEILING PLAN - TIER LEVEL - PART B -BASE BID

A9.1.4

12/13/2023 9:50:10 AM

REFLECTED CEILING PLAN/DETAIL GENERAL NOTES

A. ALL CEILING HEIGHTS SHALL BE 9'-0" AFF UNLESS INDICATED OTHERWISE.

B. DRAWINGS INDICATE GRID LAYOUT DIAGRAMMATICALLY. REFER TO SPECIFICATIONS FOR SPECIFIC GRID LAYOUT CRITERIA AT PERIMETER CONDITIONS THAT MAY DIFFER FROM GRID LAYOUT INDICATED ON DRAWINGS.

C. CENTER CEILING MOUNTED ITEMS WITHIN CEILING PANELS, UNLESS INDICATED OTHERWISE.

D. IF ADDITIONAL SPRINKLER HEADS ARE REQUIRED TO SATISFY CODE OR COVERAGE DENSITIES (OTHER THAN THOSE THAT MAY BE INDICATED), PROVIDE ADDITIONAL SPRINKLER HEADS AT NO ADDITIONAL COST AND OBTAIN APPROVAL OF ARCHITECT FOR LOCATION OF SUCH HEADS, IF ANY.

E. SEE SPEC SECTION 083100 FOR MORE INFORMATION REGARDING CEILING ACCESS DOORS.

F. SECURITY RATED ACCESS PANELS SHALL BE REQUIRED FOR ALL SECURITY RATE CEILINGS.

G. COORDINATE LOCATION OF VERTICAL ACCESS PANELS FOR ACCESS ABOVE NON-ACCESSIBLE CEILINGS WITH MECHANICAL DRAWINGS.

REFLECTED CEILING PLAN KEYNOTES

REPRESENTED BY [x]

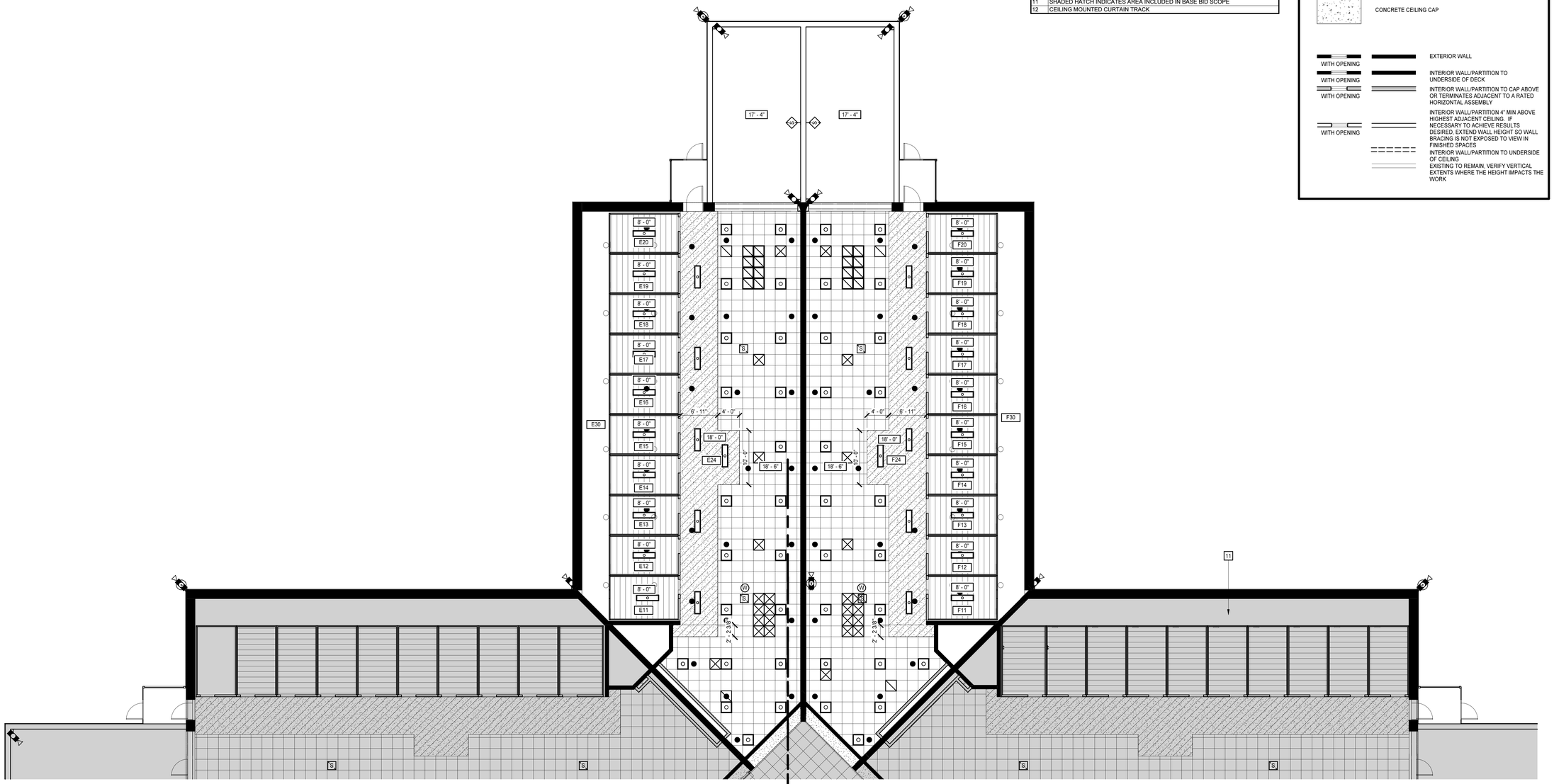
1	CFSF-S FRAMING
2	5/8" GYP BD, TERMINATE 4" ABV FIN CLG
3	CEILING PER A-9 SERIES
4	5/8" GYP BD, EXTEND FULL HEIGHT, UNLESS INDICATED OTHERWISE
5	ROOF LADDER
6	ALIGN
7	COORDINATE DIFFUSER / DUCT LOCATION WITH MECHANICAL DRAWINGS
8	KITCHEN HOOD - COORDINATE OPENING WITH FOOD SERVICE DRAWINGS
10	HEAD HEIGHT OF OPENING IS @ 8'-0" AFF
11	SHADED HATCH INDICATES AREA INCLUDED IN BASE BID SCOPE
12	CEILING MOUNTED CURTAIN TRACK

REFLECTED CEILING PLAN LEGEND

APPLIES TO DRAWINGS A9.1.n - A9.1.n
REFER TO M, E & FP DRAWINGS FOR REFLECTED CEILING PLAN SYMBOLS NOT INDICATED BELOW

- A101 / nn'-nn" — SPACE NUMBER / CEILING HEIGHT, AFF UNO
- INTERIOR APPLICATIONS: GYPSUM BOARD CEILING
  EXTERIOR APPLICATIONS: GYPSUM SOFFIT BOARD OR GYPSUM SHEATHING
- 2'-0" x 2'-0" LAY-IN ACOUSTICAL CEILING PANELS IN SUSPENDED GRID
- SECURE GYPSUM CEILING, BY DIVISION 09 GYPSUM BOARD SECURITY ASSEMBLIES
- METAL CEILING, BY DIVISION 12 STEEL CELL MFR
- 12 GA METAL PLATE UNDER TIER, BY DIVISION 05 METAL FABRICATIONS
- STEEL WIRE MESH
- CONCRETE CEILING CAP

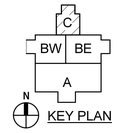
- WITH OPENING — EXTERIOR WALL
- WITH OPENING — INTERIOR WALL/PARTITION TO UNDERSIDE OF DECK
- WITH OPENING — INTERIOR WALL/PARTITION TO CAP ABOVE OR TERMINATES ADJACENT TO A RATED HORIZONTAL ASSEMBLY
- WITH OPENING — INTERIOR WALL/PARTITION 4" MIN ABOVE HIGHEST ADJACENT CEILING. IF NECESSARY TO ACHIEVE RESULTS DESIRED, EXTEND WALL HEIGHT SO WALL BRACING IS NOT EXPOSED TO VIEW IN FINISHED SPACES
- INTERIOR WALL/PARTITION TO UNDERSIDE OF CEILING
  EXISTING TO REMAIN, VERIFY VERTICAL EXTENTS WHERE THE HEIGHT IMPACTS THE WORK



N

RCP - TIER LEVEL - PART C - ADD ALTERNATE
1/8" = 1'-0"

0' 2' 4' 8' 16'
1/8" = 1'-0"



MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS — REGISTERED ARCHITECT — 11547 — NORTH CAROLINA — CHARLOTTE, NC
12/12/23

MOSELEY ARCHITECTS, P.A. — CORPORATE SEAL — NORTH CAROLINA — 50149 — CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO:	DATE:
621373	December 12, 2023

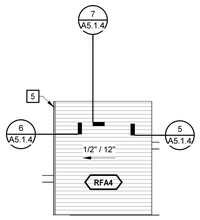
REVISIONS

DATE	DESCRIPTION

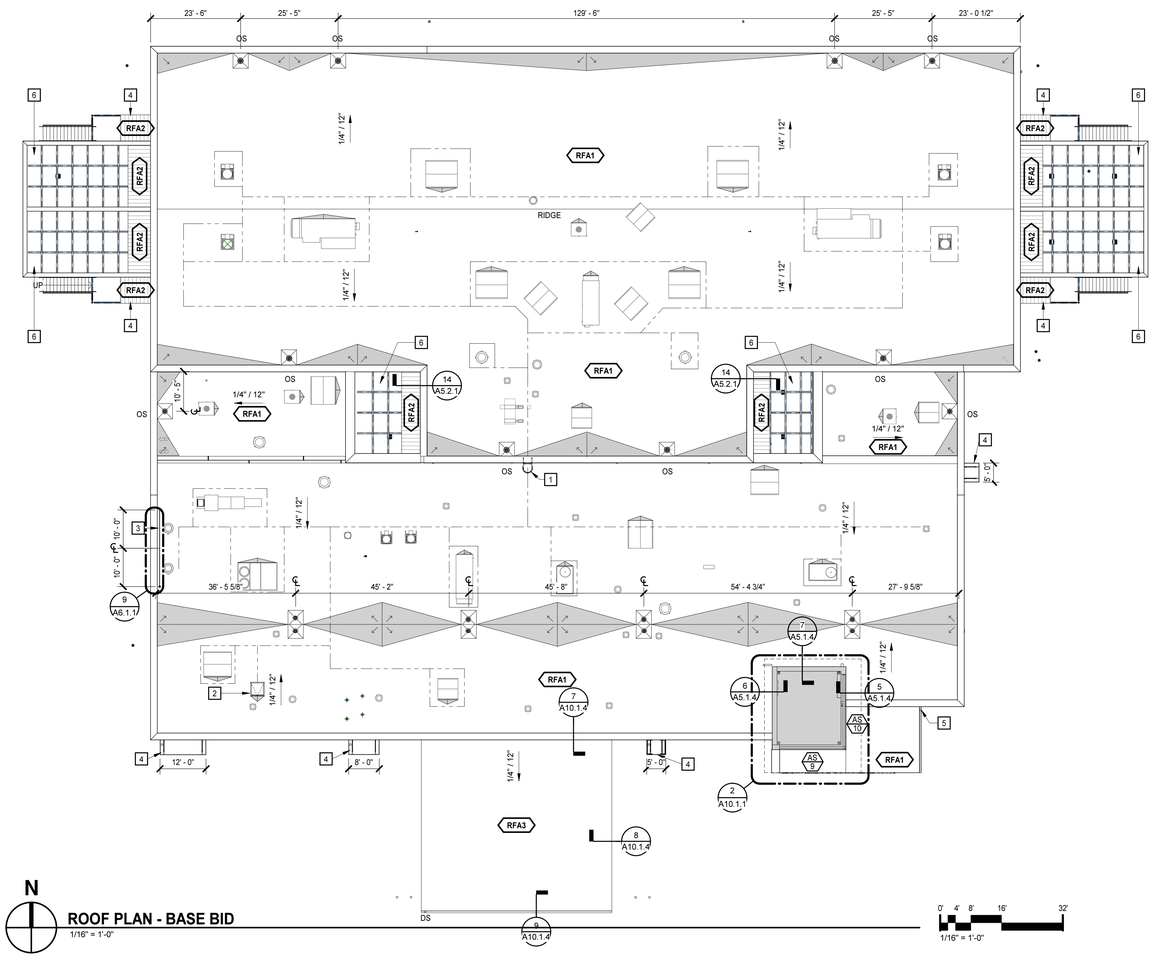
REFLECTED CEILING PLAN - TIER LEVEL - PART C - ADD ALT

A9.1.5

12/13/2023 9:50:14 AM



2 HIGH ROOF PLAN
A10.1.1 A10.1.1 1/16" = 1'-0"



N
ROOF PLAN - BASE BID
1/16" = 1'-0"

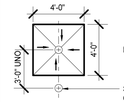
0' 4' 8' 16' 32'
1/16" = 1'-0"

ROOF PLAN KEYNOTES
REPRESENTED BY [#]

1	ROOF LADDER WITH CAGE
2	ROOF ACCESS HATCH
3	FREE STANDING FALL PREVENTION GUARDRAIL
4	PRE-ENGINEERED PROTECTIVE COVER WITH DOWNSPOUT
5	GUTTER WITH DOWNSPOUT
6	MESH COVERING OVER RECREATION YARD - TYP.

ROOF PLAN LEGEND
APPLIES TO DRAWINGS A10.1.1 - A10.1.n

REFER TO M, E & FP DRAWINGS FOR ROOF SYMBOLS NOT INDICATED BELOW



PRIMARY ROOF DRAIN AND SUMP

SECONDARY/EMERGENCY OVERFLOW (WHERE OCCURS)

DS / DS — GUTTER AND DOWNSPOUT (RECTANGULAR SHOWN, MAY BE ROUND IF SPECIFIED)

ROOF ACCESS HATCH

OVER FLOW SCUPPER (OS)

CRICKET

WALKWAY PATH

INDICATES DIRECTION OF ROOF ASSEMBLY SLOPE

ROOF PLAN GENERAL NOTES

A. ALL ROOF ASSEMBLIES: RFA1, UNO.

B. ROOF PLAN DOES NOT INDICATE ALL EQUIPMENT AND PENETRATIONS. REFER TO OTHER DISCIPLINE'S DRAWINGS FOR QUANTITIES AND LOCATIONS OF ROOFTOP EQUIPMENT AND ASSOCIATED PENETRATIONS.

C. COORDINATE LOCATION AND SIZE OF ROOF OPENINGS AND ASSOCIATED PENETRATIONS WITH STRUCTURE.

D. ROOF DETAILS MAY NOT ENTIRELY REPRESENT ACTUAL CONSTRUCTION CONDITIONS. ACTUAL DETAIL ASSEMBLIES SHALL BE APPROVED BY ROOFING MANUFACTURER.

E. ROOF PLAN DOES NOT INDICATE ALL ROOFING DETAILS (INCLUDING BUT NOT LIMITED TO ROOF DRAINS; VTR; CURBS; EXPANSION JOINTS; ROOF HATCHES). PROVIDE MFR'S DETAILS AS REQUIRED TO SUIT SPECIFIC APPLICATION AND SPECIFICATIONS.

F. PROVIDE CRICKETS AT DRAINS, WALLS, CURBS, MECHANICAL EQUIPMENT, AND OTHER OBSTRUCTIONS SUCH THAT 1/4" PER FOOT MINIMUM POSITIVE DRAINAGE SLOPE IS MAINTAINED AT ALL SUCH AREAS.

G. PROVIDE DOUBLE-LAYER OF MEMBRANE ROOFING MATERIAL UNDER SPLASH BLOCKS.

H. CENTER ALL PENETRATIONS BETWEEN RIBS OF METAL ROOFING. PIPING, DUCTWORK AND CURBS SHALL BE OFFSET AS REQUIRED TO ACHIEVE PENETRATIONS CENTERED BETWEEN RIBS.

I. ROOF DRAINS TO BE LOCATED AND DESIGNED PER PLUMBING DRAWINGS. ROOF DRAINS ARE ONLY SHOWN ON ARCHITECTURAL ROOF PLAN FOR REFERENCE.

ROOF ASSEMBLIES
APPLIES TO A10.1.1 AND A10.1.2 SERIES OF DRAWINGS
REPRESENTED BY ⟨RFAn⟩

MARK	FIRE RATED ASSEMBLY (REFER TO LS1.1 FOR LEGEND)	REMARKS	INFORMATION (ROOF ASSEMBLIES ARE SHOWN DIAGRAMMATICALLY. REFER TO SPECS FOR REQUIRED R-VALUE AND MATERIAL THICKNESS)
RFA1	⬡		ROOF MEMBRANE; COVERBOARD; ROOF INSULATION; VAPOR/AIR BARRIER MEMBRANE; SUBSTRATE BOARD; DECK SURFACE
RFA2	⬡		METAL ROOF PANEL, SEAMED JOINT; DECK SURFACE
RFA3	⬡		ROOF MEMBRANE; COVERBOARD; DECK SURFACE
RFA4	⬡		METAL ROOF PANEL, SEAMED JOINT; UNDERLAYMENT; ROOF INSULATION; VAPOR/AIR BARRIER MEMBRANE; SUBSTRATE BOARD; DECK SURFACE

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS — REGISTERED ARCHITECT — 11547 — NORTH CAROLINA — CHARLOTTE, NC
12/12/23

MOSELEY ARCHITECTS, P.C. — NORTH CAROLINA CORPORATION — 50149 — CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER
DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO. 621373 | DATE: December 12, 2023

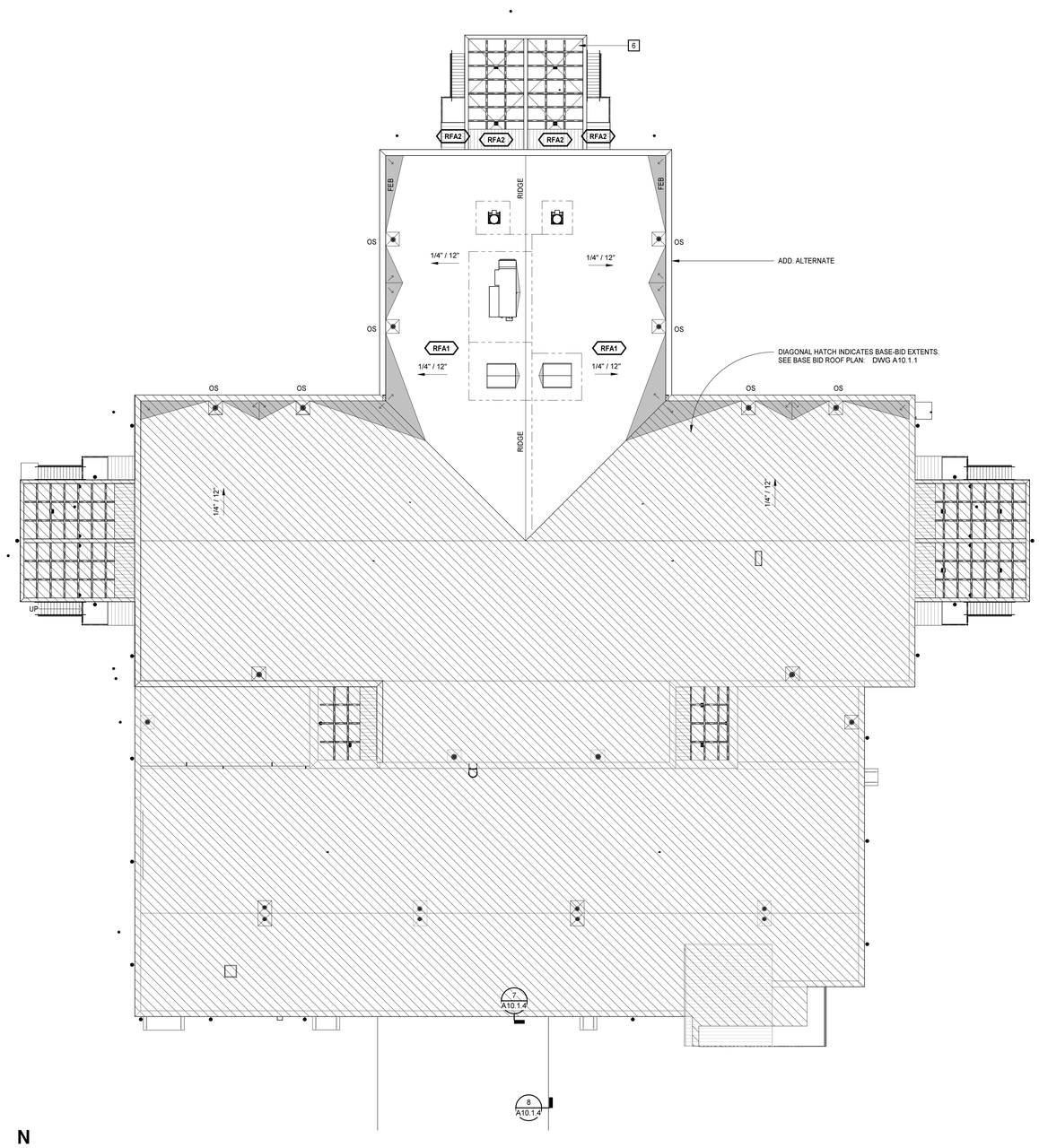
REVISIONS

DATE	DESCRIPTION

ROOF PLAN - BASE BID

A10.1.1

12/13/2023 9:44:49 AM



N

ROOF PLAN - ADD ALTERNATE

1/16" = 1'-0"

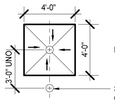
0' 4' 8' 16' 32'

1/16" = 1'-0"

ROOF PLAN LEGEND

APPLIES TO DRAWINGS A10.1.1 - A10.1.n

REFER TO M, E & FP DRAWINGS FOR ROOF SYMBOLS NOT INDICATED BELOW



PRIMARY ROOF DRAIN AND SUMP

SECONDARY/EMERGENCY OVERFLOW (WHERE OCCURS)

DS — GUTTER AND DOWNSPOUT (RECTANGULAR SHOWN, MAY BE ROUND IF SPECIFIED)

ROOF ACCESS HATCH

OVER FLOW SCUPPER (OS)

CRICKET

WALKWAY PATH

INDICATES DIRECTION OF ROOF ASSEMBLY SLOPE

ROOF PLAN GENERAL NOTES

A. ALL ROOF ASSEMBLIES: RFA1, UNO.

B. ROOF PLAN DOES NOT INDICATE ALL EQUIPMENT AND PENETRATIONS. REFER TO OTHER DISCIPLINE'S DRAWINGS FOR QUANTITIES AND LOCATIONS OF ROOFTOP EQUIPMENT AND ASSOCIATED PENETRATIONS.

C. COORDINATE LOCATION AND SIZE OF ROOF OPENINGS AND ASSOCIATED PENETRATIONS WITH STRUCTURE.

D. ROOF DETAILS MAY NOT ENTIRELY REPRESENT ACTUAL CONSTRUCTION CONDITIONS. ACTUAL DETAIL ASSEMBLIES SHALL BE APPROVED BY ROOFING MANUFACTURER.

E. ROOF PLAN DOES NOT INDICATE ALL ROOFING DETAILS (INCLUDING BUT NOT LIMITED TO ROOF DRAINS; VTR; CURBS; EXPANSION JOINTS; ROOF HATCHES). PROVIDE MFR'S DETAILS AS REQUIRED TO SUIT SPECIFIC APPLICATION AND SPECIFICATIONS.

F. PROVIDE CRICKETS AT DRAINS, WALLS, CURBS, MECHANICAL EQUIPMENT, AND OTHER OBSTRUCTIONS SUCH THAT 1/4" PER FOOT MINIMUM POSITIVE DRAINAGE SLOPE IS MAINTAINED AT ALL SUCH AREAS.

G. PROVIDE DOUBLE-LAYER OF MEMBRANE ROOFING MATERIAL UNDER SPLASH BLOCKS.

H. CENTER ALL PENETRATIONS BETWEEN RIBS OF METAL ROOFING. PIPING, DUCTWORK AND CURBS SHALL BE OFFSET AS REQUIRED TO ACHIEVE PENETRATIONS CENTERED BETWEEN RIBS.

I. ROOF DRAINS TO BE LOCATED AND DESIGNED PER PLUMBING DRAWINGS. ROOF DRAINS ARE ONLY SHOWN ON ARCHITECTURAL ROOF PLAN FOR REFERENCE.

ROOF ASSEMBLIES

APPLIES TO A10.1.1 AND A10.1.2 SERIES OF DRAWINGS

REPRESENTED BY ⟨RFAn⟩

MARK	FIRE RATED ASSEMBLY (REFER TO LS1.1 FOR LEGEND)	REMARKS	INFORMATION (ROOF ASSEMBLIES ARE SHOWN DIAGRAMMATICALLY. REFER TO SPECS FOR REQUIRED R-VALUE AND MATERIAL THICKNESS)
RFA1	⬭		ROOF MEMBRANE; COVERBOARD; ROOF INSULATION; VAPOR/AIR BARRIER MEMBRANE; SUBSTRATE BOARD; DECK SURFACE
RFA2	⬭		METAL ROOF PANEL, SEAMED JOINT; DECK SURFACE
RFA3	⬭		ROOF MEMBRANE; COVERBOARD; DECK SURFACE
RFA4	⬭		METAL ROOF PANEL, SEAMED JOINT; UNDERLAYMENT; ROOF INSULATION; VAPOR/AIR BARRIER MEMBRANE; SUBSTRATE BOARD; DECK SURFACE

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS — REGISTERED ARCHITECT — 11547 — NORTH CAROLINA — CHARLOTTE, NC — 12/12/23

MOSELEY ARCHITECTS, P.C. — CORPORATE REGISTRATION — 50149 — NORTH CAROLINA — CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE:
621373	December 12, 2023

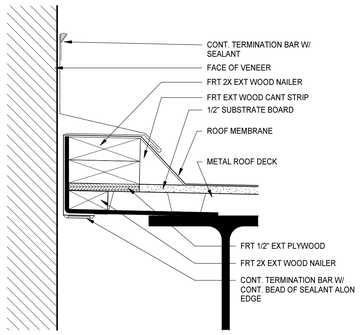
REVISIONS

DATE	DESCRIPTION

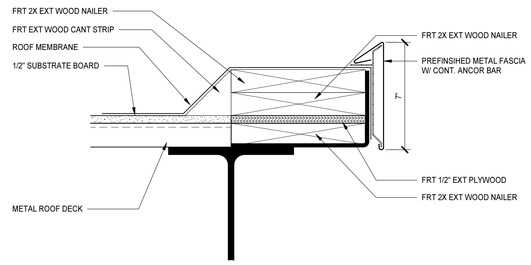
ROOF PLAN - ADD ALTERNATE

A10.1.2

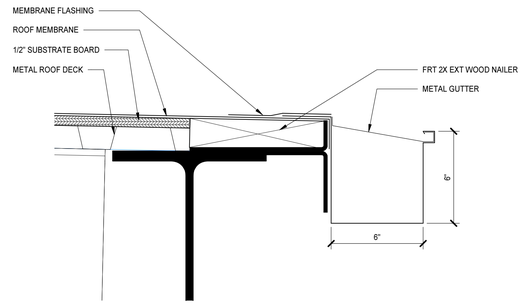
12/13/2023 9:44:55 AM



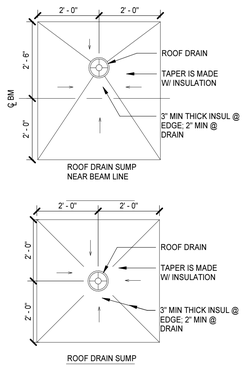
7 VSP CANOPY EDGE AT BUILDING
A10.1.1 A10.1.4 3" = 1'-0"

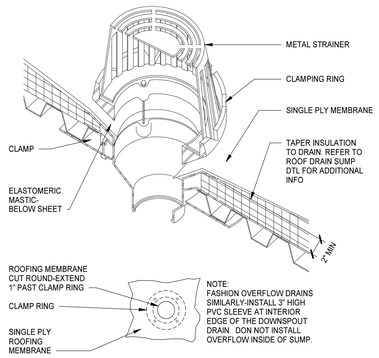


8 VSP CANOPY EDGE EAST/WEST
A10.1.1 A10.1.4 3" = 1'-0"

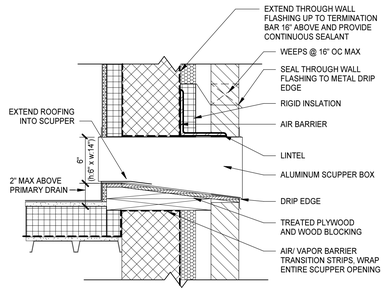


9 VSP CANOPY EDGE AT GUTTER
A10.1.1 A10.1.4 3" = 1'-0"

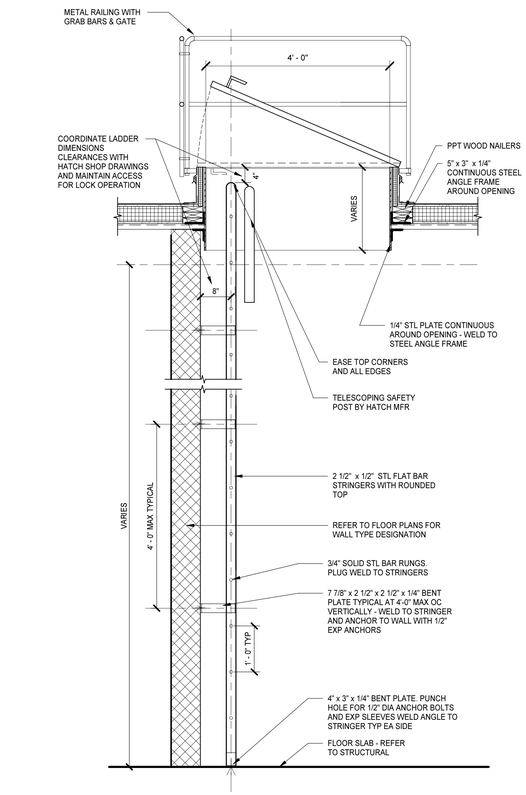




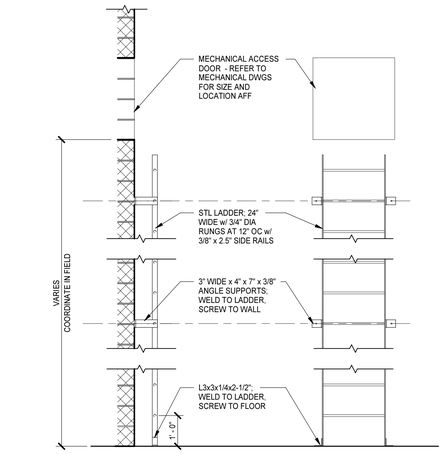
6 TYP ROOF DRAIN ISO
A10.1.4 1/2" = 1'-0"



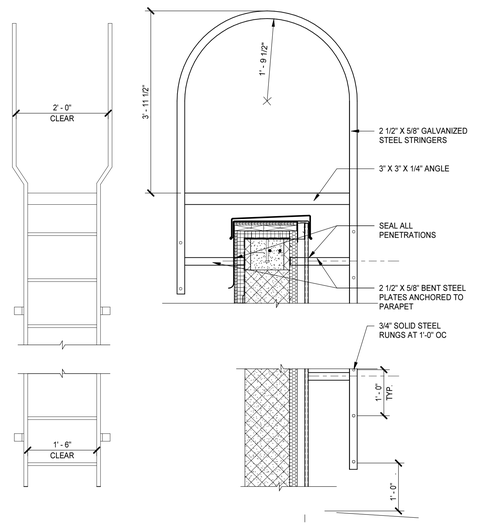
4 OVERFLOW SCUPPER
A10.1.4 1 1/2" = 1'-0"



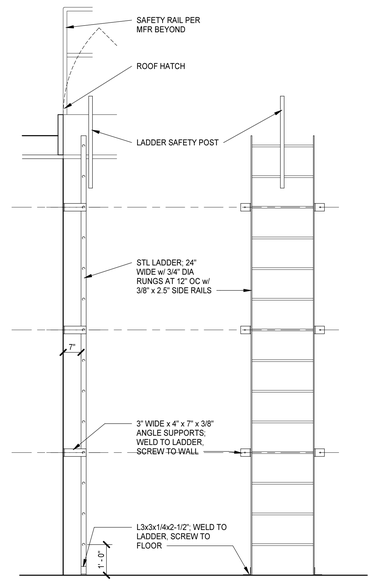
2 ROOF ACCESS HATCH
A10.1.4 3/4" = 1'-0"



5 LADDER TO ACCESS PANEL
A10.1.4 1/2" = 1'-0"



3 ROOF TO ROOF LADDER
A10.1.4 3/4" = 1'-0"



1 ROOF LADDER
A10.1.4 1/2" = 1'-0"

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS — REGISTERED ARCHITECT — 11547 — NORTH CAROLINA — CHARLOTTE, NC — 12/12/23

MOSELEY ARCHITECTS, P.A. — REGISTERED CORPORATION — 50149 — NORTH CAROLINA — CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO:	DATE:
621373	December 12, 2023

REVISIONS	
DATE	DESCRIPTION

ROOF DETAILS

A10.1.4

12/13/2023 9:44:59 AM

DOOR CONTROL / MONITORING LEGEND
(NOT ALL SYMBOLS NECESSARILY USED)

- CONTROL PANEL FROM WHICH DOOR, ASSOCIATED INTERCOMS & EMERGENCY PUSH BUTTONS ARE CONTROLLED & MONITORED FROM
- CONTROL PANEL FROM WHICH DOOR IS ONLY MONITORED FROM
- LOCK TYPE

- A: 8" JAMB MTD ELECTRO-MECHANICAL LOCK
- B: 2" JAMB MTD ELECTRO-MECHANICAL LOCK
- C: SWING DOOR MANUAL DETENTION LOCK
- D: ELECTRO-MECHANICAL SLIDING DOOR DEVICE
- E: NON-DETENTION DOOR WITH INTERFACING TO SECURITY CONTROL TOUCHSCREEN
- F: SWING DOOR INSTITUTIONAL MORTISE ELECTRIC LOCK
- G: SWING OR SLIDING GATE W/ INTERFACING TO SECURITY CONTROL TOUCHSCREEN
- H: SWING DOOR MANUAL LOCK
- J: -NOT USED-

KEYNOTES
APPLIES TO DRAWINGS SE2.1 - SE2.2.3
REPRESENTED BY n

1. PROVIDE LOOP DETECTORS AT VEHICLE GATES AND VEHICLE SALLYPORT. LOOPS FOR INGRESS SHALL FUNCTION AS AN INTERCOM CALL. LOOPS FOR EGRESS SHALL FUNCTION AS A CALL-IN BUTTON / REQUEST TO EXIT. PROGRAM SECURITY CONTROL SYSTEM TO IGNORE LOOP DETECTORS WHEN GATES ARE OPEN TO PREVENT A SECOND CALL-IN WHEN VEHICLE DRIVES THROUGH THE GATE OR DOOR.
2. PROVIDE MONITORING DEVICE FOR ROOF HATCH.
3. PROVIDE PUSH BUTTON TO UNLOCK DOOR WHEN DOOR IS NOT SCHEDULED TO BE UNLOCKED. DURESS SHALL ANNOUNCE IN MASTER CONTROL AND SHALL OVERRIDE ANY SCHEDULED UNLOCK OF DOOR TO ALLOW DOOR TO BE LOCKED.
4. PROVIDE VIDEO INTERCOM TO ALERT MAGISTRATE WHEN SOMEONE NEEDS ASSISTANCE. DO NOT CONNECT TO LOBBY DOOR. MAGISTRATE MUST PHYSICALLY GO TO THE DOOR IF THEY CHOOSE TO LET SOMEONE IN..
5. PROVIDE LOW VOLTAGE VIDEO MONITOR WITH SPEAKERS IN A VANDAL PROOF HOUSING ON INMATE SIDE FOR SHARING OF VIDEO DISCOVERY FROM ATTORNEY TO INMATE. PROVIDE MEANS FROM ATTORNEY SIDE OF VISITATION TO CONTROL POWER TO THE MONITOR AS WELL AS MEANS TO CONNECT TO THE MONITOR VIA HDMI TO PROVIDE AUDIO AND VIDEO.
6. COORDINATE LOCATION OF INTERVIEW RECORDING EQUIPMENT WITH OWNER.
7. CHASE FOR SECURITY ELECTRONIC CONDUITS..

GENERAL NOTES

A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY AND GREATER QUANTITY OF WORK.

B. ALL SECURITY DEVICES SHALL HOMERUN TO SECURITY ELECTRONICS HEAD END ROOM IN CONDUIT THE ENTIRE DISTANCE.

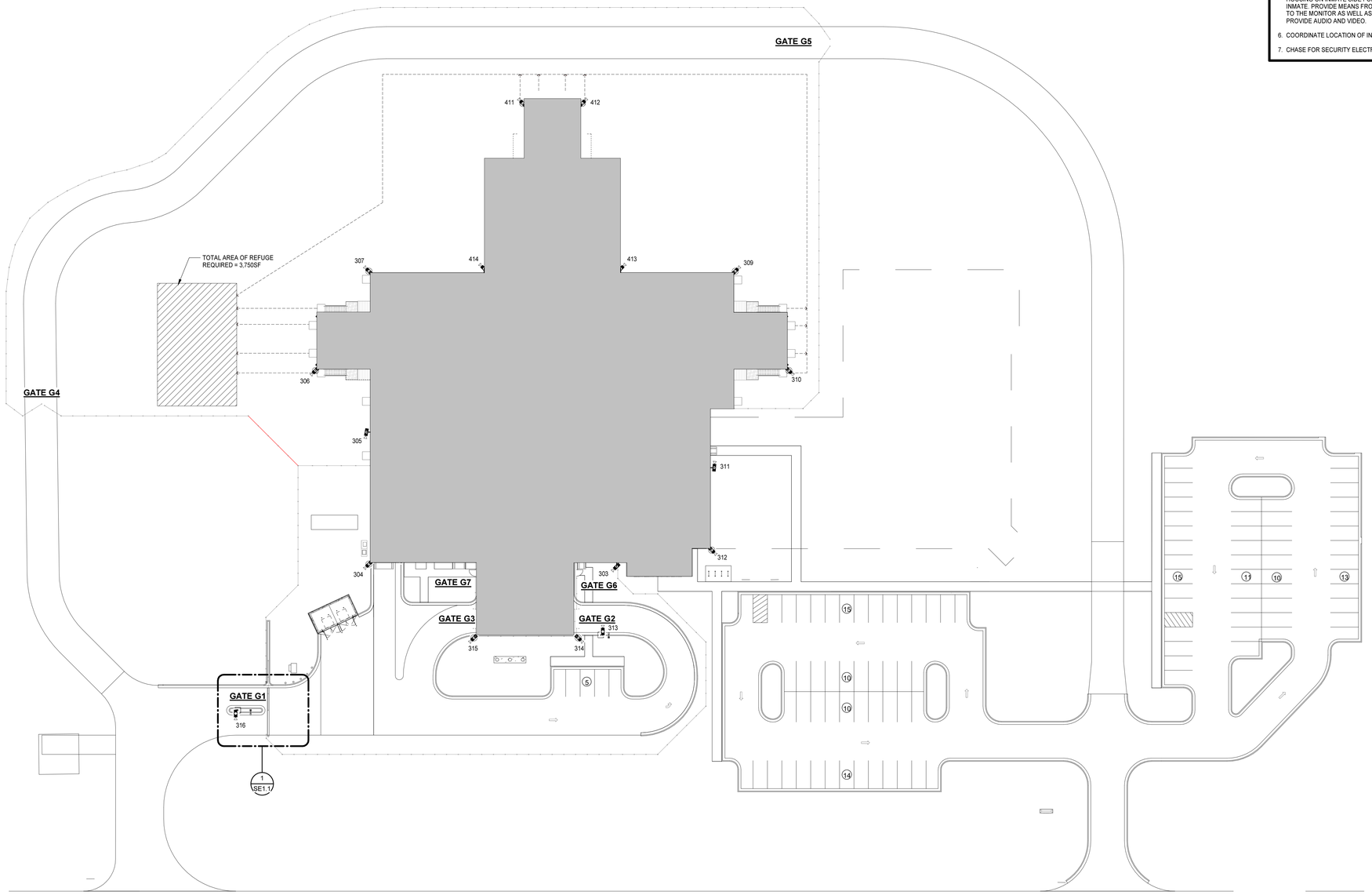
C. COORDINATE FINAL CAMERA HEIGHT AND LOCATION BASED ON NEEDS IN THE FIELD AND ACTUAL CAMERA MODELS BEING USED.

SECURITY SYSTEMS LEGEND
(ALL SYMBOLS NOT NECESSARILY USED)

- WALL MOUNTED EQUIPMENT RACK/CABINET
- SECURITY EQUIPMENT RACK
- GB: GLASS BREAK SENSOR
- DA W: DURESS ALARM - WALL MTD (48" AFF)
- DA F: DURESS ALARM - FURNITURE MOUNTED- COORDINATE WITH FURNITURE PROVIDER
- MASTER INTERCOM
- INTERCOM WALL STATION (48" AFF TO BUTTON)
- INMATE EMERGENCY INTERCOM TO MAIN CONTROL (DOOR FRAME MOUNT 18" AFF)
- S: PAGING SPEAKER
- CALL BUTTON
- TALK THRU COMMUNICATOR
- TALK THRU UNIT
- VIDEO INTERCOM MASTER
- VIDEO INTERCOM REMOTE
- MIC: MICROPHONE
- M: VIDEO MONITOR
- 01: CCTV CAMERA - FIXED
- 01: CCTV CAMERA - PTZ
- 01: CCTV CAMERA - MULTI-LENS (180°, 270°, 360°)
- CR: PROXIMITY CARD READER
- KP: CARD READER AND KEYPAD
- PB: DOOR RELEASE PUSHBUTTON
- A B C: DOOR CONTROL / MONITORING REFER TO "DOOR CONTROL / MONITORING LEGEND"
- D101 D102: DOOR INTERLOCK
- X: GRAPHICAL USER INTERFACE: A = MASTER CONTROL B = BACKUP MASTER C = BOOKING CONTROL
- VIDEO VISITATION UNIT (NOT IN CONTRACT)

REFER TO SPEC SECTION 08 71 00

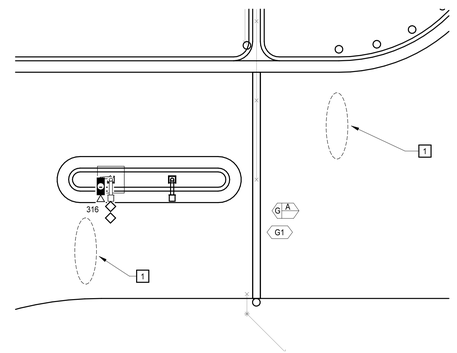
- DPS: DOOR POSITION SWITCH
- EL: ELECTRIC LOCK DEVICE WITH REQUEST TO EXIT (REX) AND DOOR POSITION SWITCH (DPS)
- RX: REQUEST TO EXIT DEVICE



N

ARCHITECTURAL SITE PLAN
1" = 30'-0"

0' 15' 30' 60'
1" = 30'-0"



1 / SE1.1 SE1.1 **SECURITY ELECTRONICS SITE PLAN - Callout 1**
1/8" = 1'-0"

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 940-5755 FAX (704) 540-3764
MOSELEY ARCHITECTS .COM

STEVEN J. HOPKINS — REGISTERED ARCHITECT — 11547 — NORTH CAROLINA — CHARLOTTE, NC

MOSELEY ARCHITECTS — PROFESSIONAL CORPORATION — 50149 — NORTH CAROLINA — CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO:	DATE:
521373	December 12, 2023

REVISIONS

DATE	DESCRIPTION

SECURITY ELECTRONICS SITE PLAN

SE1.1

12/6/2023 3:20:16 PM

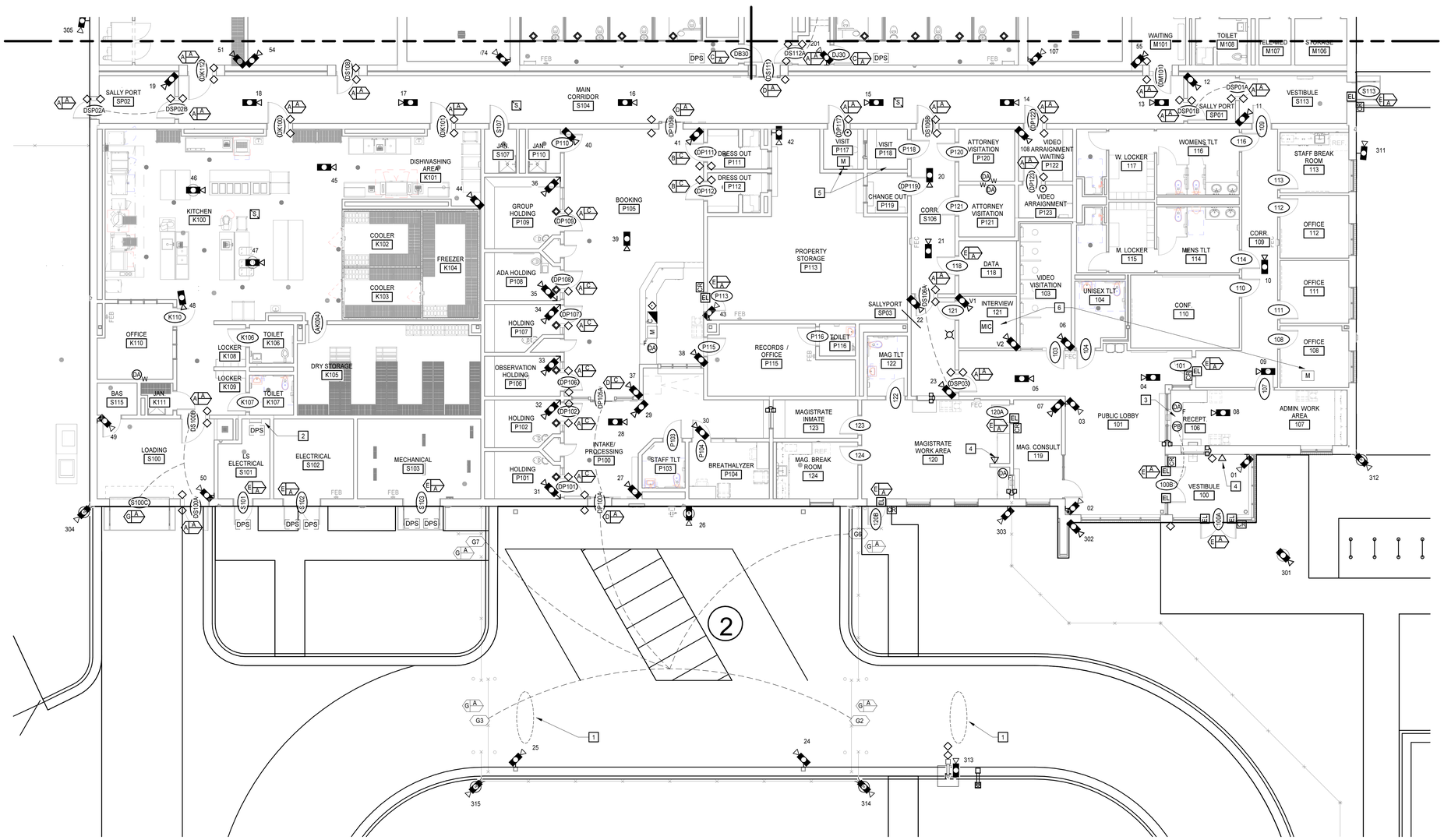
DOOR CONTROL / MONITORING LEGEND
(NOT ALL SYMBOLS NECESSARILY USED)

- CONTROL PANEL FROM WHICH DOOR, ASSOCIATED INTERCOMS & EMERGENCY PUSH BUTTONS ARE CONTROLLED & MONITORED FROM
- CONTROL PANEL FROM WHICH DOOR IS ONLY MONITORED FROM
- LOCK TYPE

- A — 8" JAMB MTD ELECTRO-MECHANICAL LOCK
- B — 2" JAMB MTD ELECTRO-MECHANICAL LOCK
- C — SWING DOOR MANUAL DETENTION LOCK
- D — ELECTRO-MECHANICAL SLIDING DOOR DEVICE
- E — NON-DETENTION DOOR WITH INTERFACING TO SECURITY CONTROL TOUCHSCREEN
- F — SWING DOOR INSTITUTIONAL MORTISE ELECTRIC LOCK
- G — SWING OR SLIDING GATE W/ INTERFACING TO SECURITY CONTROL TOUCHSCREEN
- H — SWING DOOR MANUAL LOCK
- J — -NOT USED-

KEYNOTES
APPLIES TO DRAWINGS SE2.1 - SE2.2.3
REPRESENTED BY n

1. PROVIDE LOOP DETECTORS AT VEHICLE GATES AND VEHICLE SALLYPORT. LOOPS FOR INGRESS SHALL FUNCTION AS AN INTERCOM CALL. LOOPS FOR EGRESS SHALL FUNCTION AS A CALL-IN BUTTON / REQUEST TO EXIT. PROGRAM SECURITY CONTROL SYSTEM TO IGNORE LOOP DETECTORS WHEN GATES ARE OPEN TO PREVENT A SECOND CALL-IN WHEN VEHICLE DRIVES THROUGH THE GATE OR DOOR.
2. PROVIDE MONITORING DEVICE FOR ROOF HATCH.
3. PROVIDE PUSH BUTTON TO UNLOCK DOOR WHEN DOOR IS NOT SCHEDULED TO BE UNLOCKED. DURESS SHALL ANNOUNCE IN MASTER CONTROL AND SHALL OVERRIDE ANY SCHEDULED UNLOCK OF DOOR TO ALLOW DOOR TO BE LOCKED.
4. PROVIDE VIDEO INTERCOM TO ALERT MAGISTRATE WHEN SOMEONE NEEDS ASSISTANCE. DO NOT CONNECT TO LOBBY DOOR. MAGISTRATE MUST PHYSICALLY GO TO THE DOOR IF THEY CHOOSE TO LET SOMEONE IN..
5. PROVIDE LOW VOLTAGE VIDEO MONITOR WITH SPEAKERS IN A VANDAL PROOF HOUSING ON INMATE SIDE FOR SHARING OF VIDEO DISCOVERY FROM ATTORNEY TO INMATE. PROVIDE MEANS FROM ATTORNEY SIDE OF VISITATION TO CONTROL POWER TO THE MONITOR AS WELL AS MEANS TO CONNECT TO THE MONITOR VIA HDMI TO PROVIDE AUDIO AND VIDEO.
6. COORDINATE LOCATION OF INTERVIEW RECORDING EQUIPMENT WITH OWNER.
7. CHASE FOR SECURITY ELECTRONIC CONDUITS..



N

SECURITY ELECTRONICS FLOORPLAN - PART A
1/8" = 1'-0"

GENERAL NOTES

A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY AND GREATER QUANTITY OF WORK.

B. ALL SECURITY DEVICES SHALL HOMERUN TO SECURITY ELECTRONICS HEAD END ROOM IN CONDUIT THE ENTIRE DISTANCE.

C. COORDINATE FINAL CAMERA HEIGHT AND LOCATION BASED ON NEEDS IN THE FIELD AND ACTUAL CAMERA MODELS BEING USED.

SECURITY SYSTEMS LEGEND
(ALL SYMBOLS NOT NECESSARILY USED)

- WALL MOUNTED EQUIPMENT RACK/CABINET
- SECURITY EQUIPMENT RACK
- GB — GLASS BREAK SENSOR
- DA W — DURESS ALARM - WALL MTD (48" AFF)
- DA F — DURESS ALARM - FURNITURE MOUNTED- COORDINATE WITH FURNITURE PROVIDER
- MASTER INTERCOM
- INTERCOM WALL STATION (48" AFF TO BUTTON)
- INMATE EMERGENCY INTERCOM TO MAIN CONTROL (DOOR FRAME MOUNT 18" AFF)
- S — PAGING SPEAKER
- CALL BUTTON
- TALK THRU COMMUNICATOR
- TALK THRU UNIT
- VIDEO INTERCOM MASTER
- VIDEO INTERCOM REMOTE
- M/C — MICROPHONE
- M — VIDEO MONITOR
- 01 — CCTV CAMERA - FIXED
- 01 — CCTV CAMERA - PTZ
- 01 — CCTV CAMERA - MULTI-LENS (180°, 270°, 360°)
- CR — PROXIMITY CARD READER
- KP — CARD READER AND KEYPAD
- PB — DOOR RELEASE PUSHBUTTON
- A B C — DOOR CONTROL / MONITORING REFER TO "DOOR CONTROL / MONITORING LEGEND"
- D101 D102 — DOOR INTERLOCK
- X — GRAPHICAL USER INTERFACE: A = MASTER CONTROL B = BACKUP MASTER C = BOOKING CONTROL
- VIDEO VISITATION UNIT (NOT IN CONTRACT)

REFER TO SPEC SECTION 08 71 00

- DPS — DOOR POSITION SWITCH
- EL — ELECTRIC LOCK DEVICE WITH REQUEST TO EXIT (REX) AND DOOR POSITION SWITCH (DPS)
- RX — REQUEST TO EXIT DEVICE

C / BW BE / A — N — KEY PLAN

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC
PHONE (704) 940-3765 FAX (704) 940-3764
MOSELE ARCHITECT COM

STEVEN J. HOPKINS — REGISTERED ARCHITECT — 11547 — NORTH CAROLINA — CHARLOTTE, NC

MOSELEY ARCHITECTS — CORPORATION — 50149 — NORTH CAROLINA — CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO:	DATE:
621373	December 12, 2023

REVISIONS

DATE	DESCRIPTION

SECURITY ELECTRONICS FLOOR PLAN - PART A

SE2.1

12/12/2023 5:43:43 PM

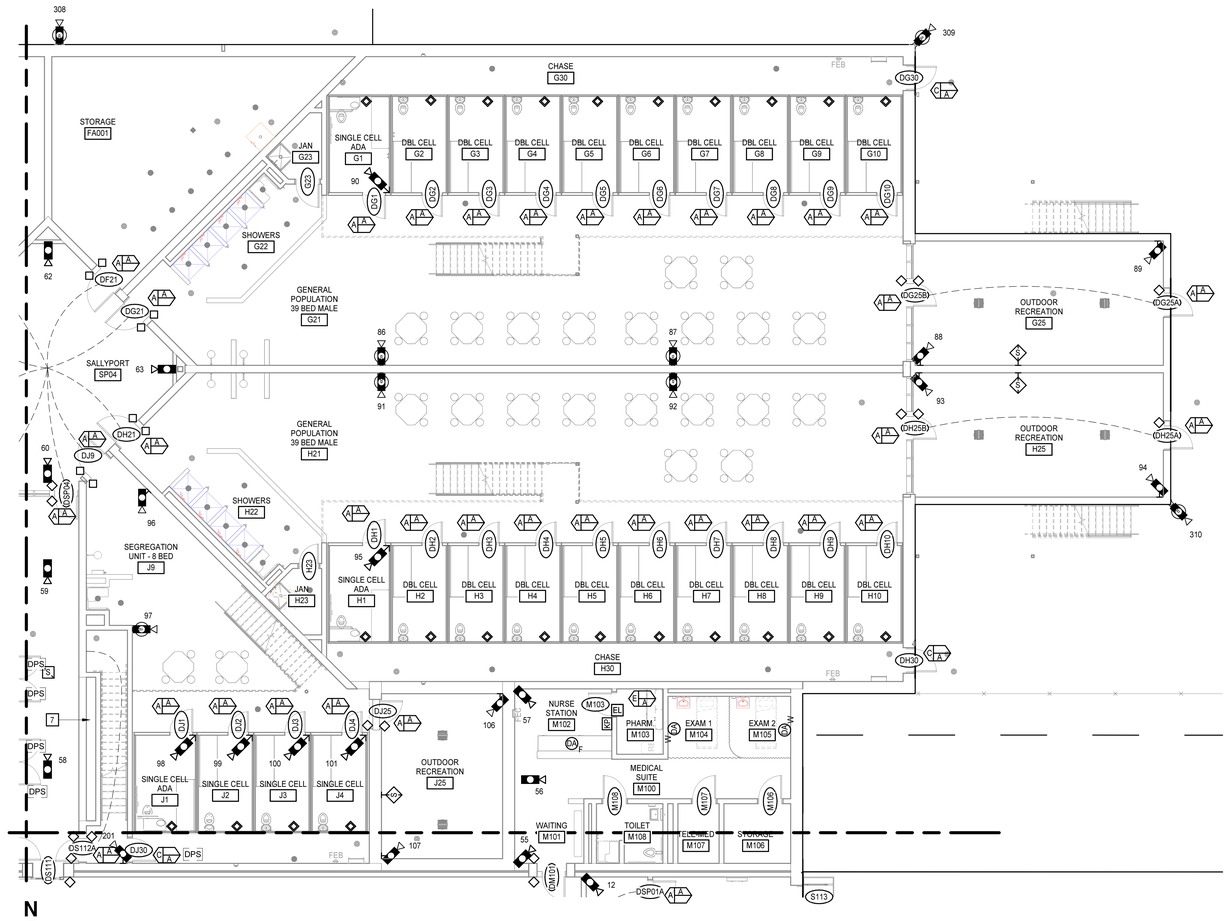
DOOR CONTROL / MONITORING LEGEND
(NOT ALL SYMBOLS NECESSARILY USED)

- CONTROL PANEL FROM WHICH DOOR, ASSOCIATED INTERCOMS & EMERGENCY PUSH BUTTONS ARE CONTROLLED & MONITORED FROM
- CONTROL PANEL FROM WHICH DOOR IS ONLY MONITORED FROM
- LOCK TYPE

- A — 8" JAMB MTD ELECTRO-MECHANICAL LOCK
- B — 2" JAMB MTD ELECTRO-MECHANICAL LOCK
- C — SWING DOOR MANUAL DETENTION LOCK
- D — ELECTRO-MECHANICAL SLIDING DOOR DEVICE
- E — NON-DETENTION DOOR WITH INTERFACING TO SECURITY CONTROL TOUCHSCREEN
- F — SWING DOOR INSTITUTIONAL MORTISE ELECTRIC LOCK
- G — SWING OR SLIDING GATE W/ INTERFACING TO SECURITY CONTROL TOUCHSCREEN
- H — SWING DOOR MANUAL LOCK
- J — -NOT USED-

KEYNOTES
APPLIES TO DRAWINGS SE2.1 - SE2.2.3
REPRESENTED BY n

1. PROVIDE LOOP DETECTORS AT VEHICLE GATES AND VEHICLE SALLYPORT. LOOPS FOR INGRESS SHALL FUNCTION AS AN INTERCOM CALL. LOOPS FOR EGRESS SHALL FUNCTION AS A CALL-IN BUTTON / REQUEST TO EXIT. PROGRAM SECURITY CONTROL SYSTEM TO IGNORE LOOP DETECTORS WHEN GATES ARE OPEN TO PREVENT A SECOND CALL-IN WHEN VEHICLE DRIVES THROUGH THE GATE OR DOOR.
2. PROVIDE MONITORING DEVICE FOR ROOF HATCH.
3. PROVIDE PUSH BUTTON TO UNLOCK DOOR WHEN DOOR IS NOT SCHEDULED TO BE UNLOCKED. DURESS SHALL ANNOUNCE IN MASTER CONTROL AND SHALL OVERRIDE ANY SCHEDULED UNLOCK OF DOOR TO ALLOW DOOR TO BE LOCKED.
4. PROVIDE VIDEO INTERCOM TO ALERT MAGISTRATE WHEN SOMEONE NEEDS ASSISTANCE. DO NOT CONNECT TO LOBBY DOOR. MAGISTRATE MUST PHYSICALLY GO TO THE DOOR IF THEY CHOOSE TO LET SOMEONE IN..
5. PROVIDE LOW VOLTAGE VIDEO MONITOR WITH SPEAKERS IN A VANDAL PROOF HOUSING ON INMATE SIDE FOR SHARING OF VIDEO DISCOVERY FROM ATTORNEY TO INMATE. PROVIDE MEANS FROM ATTORNEY SIDE OF VISITATION TO CONTROL POWER TO THE MONITOR AS WELL AS MEANS TO CONNECT TO THE MONITOR VIA HDMI TO PROVIDE AUDIO AND VIDEO.
6. COORDINATE LOCATION OF INTERVIEW RECORDING EQUIPMENT WITH OWNER.
7. CHASE FOR SECURITY ELECTRONIC CONDUITS..



SECURITY ELECTRONICS FLOORPLAN - PART BE
1/8" = 1'-0"

GENERAL NOTES

A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY AND GREATER QUANTITY OF WORK.

B. ALL SECURITY DEVICES SHALL HOMERUN TO SECURITY ELECTRONICS HEAD END ROOM IN CONDUIT THE ENTIRE DISTANCE.

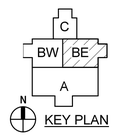
C. COORDINATE FINAL CAMERA HEIGHT AND LOCATION BASED ON NEEDS IN THE FIELD AND ACTUAL CAMERA MODELS BEING USED.

SECURITY SYSTEMS LEGEND
(ALL SYMBOLS NOT NECESSARILY USED)

- WALL MOUNTED EQUIPMENT RACK/CABINET
- SECURITY EQUIPMENT RACK
- GB — GLASS BREAK SENSOR
- DA W — DURESS ALARM - WALL MTD (48" AFF)
- DA F — DURESS ALARM - FURNITURE MOUNTED- COORDINATE WITH FURNITURE PROVIDER
- MASTER INTERCOM
- INTERCOM WALL STATION (48" AFF TO BUTTON)
- INMATE EMERGENCY INTERCOM TO MAIN CONTROL (DOOR FRAME MOUNT 18" AFF)
- PAGING SPEAKER
- CALL BUTTON
- TALK THRU COMMUNICATOR
- TALK THRU UNIT
- VIDEO INTERCOM MASTER
- VIDEO INTERCOM REMOTE
- M/C — MICROPHONE
- M — VIDEO MONITOR
- 01 — CCTV CAMERA - FIXED
- 01 — CCTV CAMERA - PTZ
- 01 — CCTV CAMERA - MULTI-LENS (180°, 270°, 360°)
- CR — PROXIMITY CARD READER
- KP — CARD READER AND KEYPAD
- PB — DOOR RELEASE PUSHBUTTON
- A B C — DOOR CONTROL / MONITORING REFER TO "DOOR CONTROL / MONITORING LEGEND"
- D101 D102 — DOOR INTERLOCK
- X — GRAPHICAL USER INTERFACE: A = MASTER CONTROL B = BACKUP MASTER C = BOOKING CONTROL
- VIDEO VISITATION UNIT (NOT IN CONTRACT)

REFER TO SPEC SECTION 08 71 00

- DPS — DOOR POSITION SWITCH
- EL — ELECTRIC LOCK DEVICE WITH REQUEST TO EXIT (REX) AND DOOR POSITION SWITCH (DPS)
- RX — REQUEST TO EXIT DEVICE



MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3764
MOSELEY ARCHITECTS .COM

STEVEN J. HOPKINS REGISTERED ARCHITECT 11547 NORTH CAROLINA CHARLOTTE, NC

MOSELEY ARCHITECTS, P.A. NORTH CAROLINA CORPORATION 50149 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE
621373	December 12, 2023

REVISIONS

DATE	DESCRIPTION

SECURITY ELECTRONICS FLOOR PLAN - PART BE

SE2.2.0

12/8/2023 3:20:27 PM

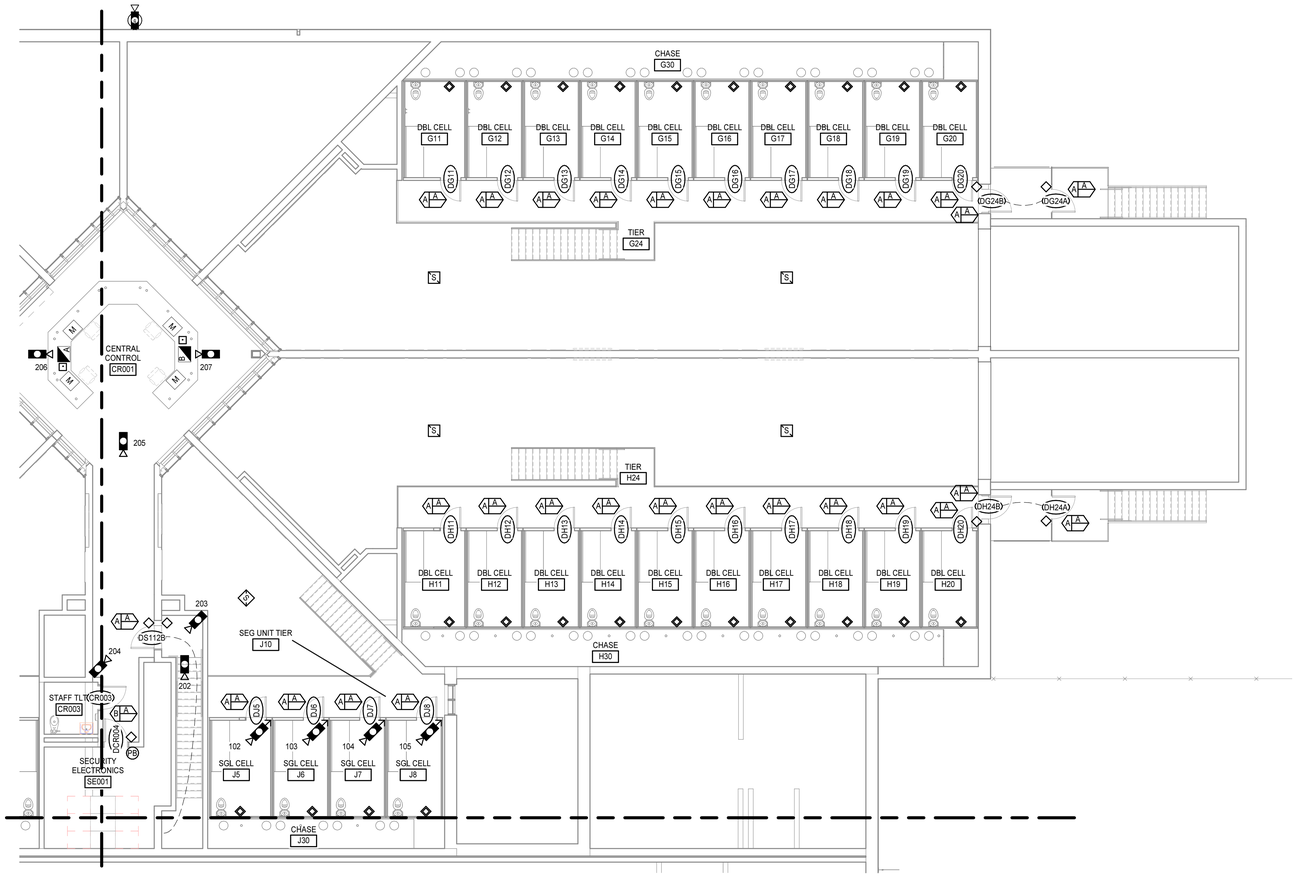
DOOR CONTROL / MONITORING LEGEND
(NOT ALL SYMBOLS NECESSARILY USED)

- CONTROL PANEL FROM WHICH DOOR, ASSOCIATED INTERCOMS & EMERGENCY PUSH BUTTONS ARE CONTROLLED & MONITORED FROM
- CONTROL PANEL FROM WHICH DOOR IS ONLY MONITORED FROM
- LOCK TYPE

- A — 8" JAMB MTD ELECTRO-MECHANICAL LOCK
- B — 2" JAMB MTD ELECTRO-MECHANICAL LOCK
- C — SWING DOOR MANUAL DETENTION LOCK
- D — ELECTRO-MECHANICAL SLIDING DOOR DEVICE
- E — NON-DETENTION DOOR WITH INTERFACING TO SECURITY CONTROL TOUCHSCREEN
- F — SWING DOOR INSTITUTIONAL MORTISE ELECTRIC LOCK
- G — SWING OR SLIDING GATE W/ INTERFACING TO SECURITY CONTROL TOUCHSCREEN
- H — SWING DOOR MANUAL LOCK
- J — -NOT USED-

KEYNOTES
APPLIES TO DRAWINGS SE2.1 - SE2.2.3
REPRESENTED BY n

1. PROVIDE LOOP DETECTORS AT VEHICLE GATES AND VEHICLE SALLYPORT. LOOPS FOR INGRESS SHALL FUNCTION AS AN INTERCOM CALL. LOOPS FOR EGRESS SHALL FUNCTION AS A CALL-IN BUTTON / REQUEST TO EXIT. PROGRAM SECURITY CONTROL SYSTEM TO IGNORE LOOP DETECTORS WHEN GATES ARE OPEN TO PREVENT A SECOND CALL-IN WHEN VEHICLE DRIVES THROUGH THE GATE OR DOOR.
2. PROVIDE MONITORING DEVICE FOR ROOF HATCH.
3. PROVIDE PUSH BUTTON TO UNLOCK DOOR WHEN DOOR IS NOT SCHEDULED TO BE UNLOCKED. DURESS SHALL ANNOUNCE IN MASTER CONTROL AND SHALL OVERRIDE ANY SCHEDULED UNLOCK OF DOOR TO ALLOW DOOR TO BE LOCKED.
4. PROVIDE VIDEO INTERCOM TO ALERT MAGISTRATE WHEN SOMEONE NEEDS ASSISTANCE. DO NOT CONNECT TO LOBBY DOOR. MAGISTRATE MUST PHYSICALLY GO TO THE DOOR IF THEY CHOOSE TO LET SOMEONE IN..
5. PROVIDE LOW VOLTAGE VIDEO MONITOR WITH SPEAKERS IN A VANDAL PROOF HOUSING ON INMATE SIDE FOR SHARING OF VIDEO DISCOVERY FROM ATTORNEY TO INMATE. PROVIDE MEANS FROM ATTORNEY SIDE OF VISITATION TO CONTROL POWER TO THE MONITOR AS WELL AS MEANS TO CONNECT TO THE MONITOR VIA HDMI TO PROVIDE AUDIO AND VIDEO.
6. COORDINATE LOCATION OF INTERVIEW RECORDING EQUIPMENT WITH OWNER.
7. CHASE FOR SECURITY ELECTRONIC CONDUITS..



N

SECURITY ELECTRONICS TIER PLAN - PART BE
1/8" = 1'-0"

GENERAL NOTES

A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY AND GREATER QUANTITY OF WORK.

B. ALL SECURITY DEVICES SHALL HOMERUN TO SECURITY ELECTRONICS HEAD END ROOM IN CONDUIT THE ENTIRE DISTANCE.

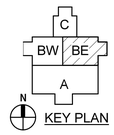
C. COORDINATE FINAL CAMERA HEIGHT AND LOCATION BASED ON NEEDS IN THE FIELD AND ACTUAL CAMERA MODELS BEING USED.

SECURITY SYSTEMS LEGEND
(ALL SYMBOLS NOT NECESSARILY USED)

- WALL MOUNTED EQUIPMENT RACK/CABINET
- SECURITY EQUIPMENT RACK
- GB — GLASS BREAK SENSOR
- DA W — DURESS ALARM - WALL MTD (48" AFF)
- DA F — DURESS ALARM - FURNITURE MOUNTED- COORDINATE WITH FURNITURE PROVIDER
- MASTER INTERCOM
- INTERCOM WALL STATION (48" AFF TO BUTTON)
- INMATE EMERGENCY INTERCOM TO MAIN CONTROL (DOOR FRAME MOUNT 18" AFF)
- S — PAGING SPEAKER
- CALL BUTTON
- TALK THRU COMMUNICATOR
- TALK THRU UNIT
- VIDEO INTERCOM MASTER
- VIDEO INTERCOM REMOTE
- M/C — MICROPHONE
- M — VIDEO MONITOR
- 01 — CCTV CAMERA - FIXED
- 01 — CCTV CAMERA - PTZ
- 01 — CCTV CAMERA - MULTI-LENS (180°, 270°, 360°)
- CR — PROXIMITY CARD READER
- KP — CARD READER AND KEYPAD
- PB — DOOR RELEASE PUSHBUTTON
- A B C — DOOR CONTROL / MONITORING REFER TO "DOOR CONTROL / MONITORING LEGEND"
- D101 D102 — DOOR INTERLOCK
- X — GRAPHICAL USER INTERFACE: A = MASTER CONTROL B = BACKUP MASTER C = BOOKING CONTROL
- VIDEO VISITATION UNIT (NOT IN CONTRACT)

REFER TO SPEC SECTION 08 71 00

- DPS — DOOR POSITION SWITCH
- EL — ELECTRIC LOCK DEVICE WITH REQUEST TO EXIT (REX) AND DOOR POSITION SWITCH (DPS)
- RX — REQUEST TO EXIT DEVICE



MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 940-5755 FAX (704) 540-3764
MOSELEY ARCHITECTS .COM

STEVEN J. HOPKINS REGISTERED ARCHITECT 11547 NORTH CAROLINA CHARLOTTE, NC

MOSELEY ARCHITECTS, P.L.L.C. NORTH CAROLINA CORPORATION 50149 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER
DHSR# - J-378
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE:
621373	December 12, 2023

REVISIONS

DATE	DESCRIPTION

SECURITY ELECTRONICS FLOOR PLAN - PART BE - TIER

SE2.2.1

12/8/2023 3:20:30 PM

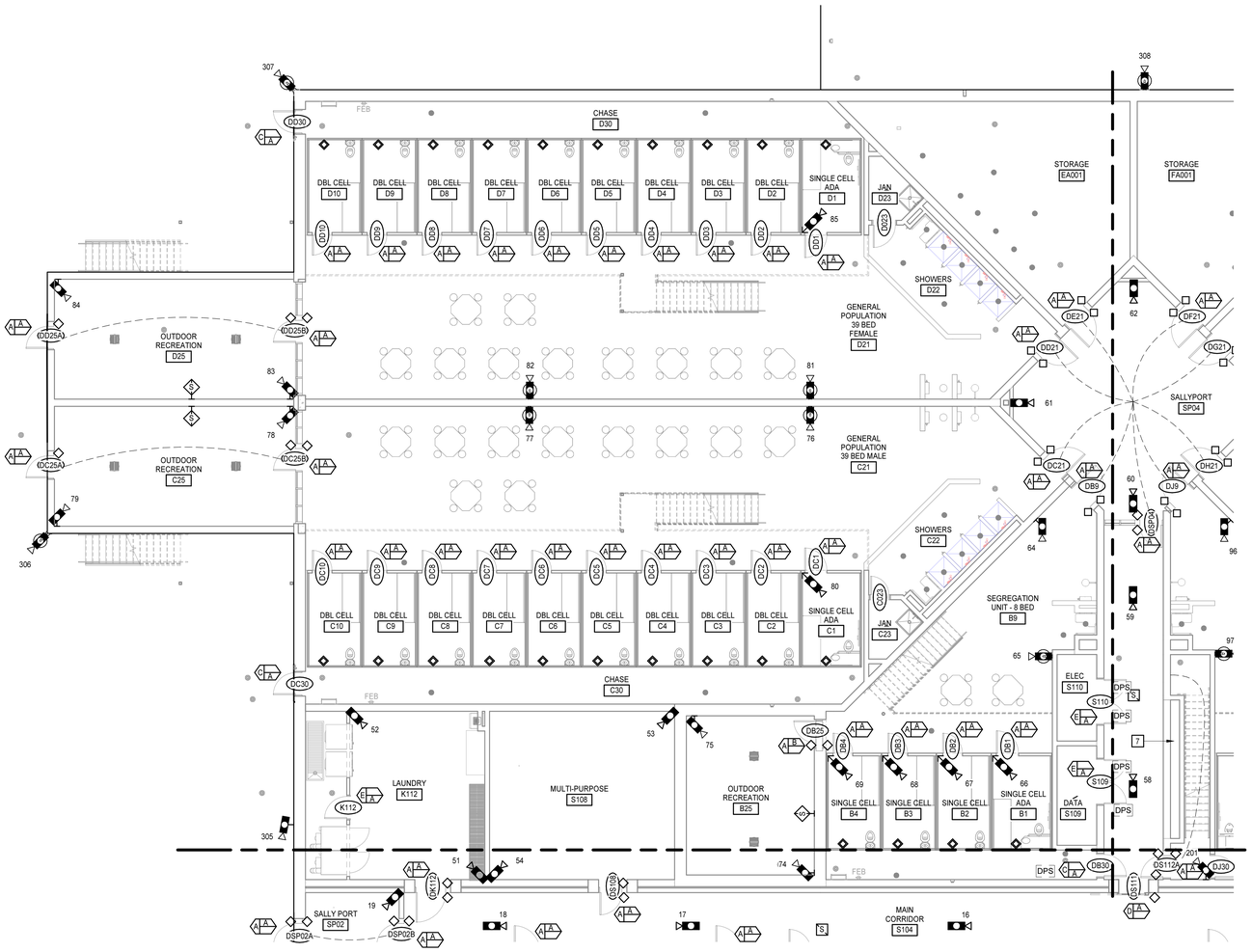
DOOR CONTROL / MONITORING LEGEND
(NOT ALL SYMBOLS NECESSARILY USED)

- CONTROL PANEL FROM WHICH DOOR, ASSOCIATED INTERCOMS & EMERGENCY PUSH BUTTONS ARE CONTROLLED & MONITORED FROM
- CONTROL PANEL FROM WHICH DOOR IS ONLY MONITORED FROM
- LOCK TYPE

- A — 8" JAMB MTD ELECTRO-MECHANICAL LOCK
- B — 2" JAMB MTD ELECTRO-MECHANICAL LOCK
- C — SWING DOOR MANUAL DETENTION LOCK
- D — ELECTRO-MECHANICAL SLIDING DOOR DEVICE
- E — NON-DETENTION DOOR WITH INTERFACING TO SECURITY CONTROL TOUCHSCREEN
- F — SWING DOOR INSTITUTIONAL MORTISE ELECTRIC LOCK
- G — SWING OR SLIDING GATE W/ INTERFACING TO SECURITY CONTROL TOUCHSCREEN
- H — SWING DOOR MANUAL LOCK
- J — -NOT USED-

KEYNOTES
APPLIES TO DRAWINGS SE2.1 - SE2.2.3
REPRESENTED BY n

1. PROVIDE LOOP DETECTORS AT VEHICLE GATES AND VEHICLE SALLYPORT. LOOPS FOR INGRESS SHALL FUNCTION AS AN INTERCOM CALL. LOOPS FOR EGRESS SHALL FUNCTION AS A CALL-IN BUTTON / REQUEST TO EXIT. PROGRAM SECURITY CONTROL SYSTEM TO IGNORE LOOP DETECTORS WHEN GATES ARE OPEN TO PREVENT A SECOND CALL-IN WHEN VEHICLE DRIVES THROUGH THE GATE OR DOOR.
2. PROVIDE MONITORING DEVICE FOR ROOF HATCH.
3. PROVIDE PUSH BUTTON TO UNLOCK DOOR WHEN DOOR IS NOT SCHEDULED TO BE UNLOCKED. DURESS SHALL ANNOUNCE IN MASTER CONTROL AND SHALL OVERRIDE ANY SCHEDULED UNLOCK OF DOOR TO ALLOW DOOR TO BE LOCKED.
4. PROVIDE VIDEO INTERCOM TO ALERT MAGISTRATE WHEN SOMEONE NEEDS ASSISTANCE. DO NOT CONNECT TO LOBBY DOOR. MAGISTRATE MUST PHYSICALLY GO TO THE DOOR IF THEY CHOOSE TO LET SOMEONE IN..
5. PROVIDE LOW VOLTAGE VIDEO MONITOR WITH SPEAKERS IN A VANDAL PROOF HOUSING ON INMATE SIDE FOR SHARING OF VIDEO DISCOVERY FROM ATTORNEY TO INMATE. PROVIDE MEANS FROM ATTORNEY SIDE OF VISITATION TO CONTROL POWER TO THE MONITOR AS WELL AS MEANS TO CONNECT TO THE MONITOR VIA HDMI TO PROVIDE AUDIO AND VIDEO.
6. COORDINATE LOCATION OF INTERVIEW RECORDING EQUIPMENT WITH OWNER.
7. CHASE FOR SECURITY ELECTRONIC CONDUITS..



N

SECURITY ELECTRONICS FLOORPLAN - PART BW
1/8" = 1'-0"

GENERAL NOTES

A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY AND GREATER QUANTITY OF WORK.

B. ALL SECURITY DEVICES SHALL HOMERUN TO SECURITY ELECTRONICS HEAD END ROOM IN CONDUIT THE ENTIRE DISTANCE.

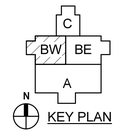
C. COORDINATE FINAL CAMERA HEIGHT AND LOCATION BASED ON NEEDS IN THE FIELD AND ACTUAL CAMERA MODELS BEING USED.

SECURITY SYSTEMS LEGEND
(ALL SYMBOLS NOT NECESSARILY USED)

- WALL MOUNTED EQUIPMENT RACK/CABINET
- SECURITY EQUIPMENT RACK
- GB — GLASS BREAK SENSOR
- DA W — DURESS ALARM - WALL MTD (48" AFF)
- DA F — DURESS ALARM - FURNITURE MOUNTED- COORDINATE WITH FURNITURE PROVIDER
- MASTER INTERCOM
- INTERCOM WALL STATION (48" AFF TO BUTTON)
- INMATE EMERGENCY INTERCOM TO MAIN CONTROL (DOOR FRAME MOUNT 18" AFF)
- PAGING SPEAKER
- CALL BUTTON
- TALK THRU COMMUNICATOR
- TALK THRU UNIT
- VIDEO INTERCOM MASTER
- VIDEO INTERCOM REMOTE
- M/C — MICROPHONE
- M — VIDEO MONITOR
- 01 — CCTV CAMERA - FIXED
- 01 — CCTV CAMERA - PTZ
- 01 — CCTV CAMERA - MULTI-LENS (180°, 270°, 360°)
- CR — PROXIMITY CARD READER
- KP — CARD READER AND KEYPAD
- PB — DOOR RELEASE PUSHBUTTON
- A B C — DOOR CONTROL / MONITORING REFER TO "DOOR CONTROL / MONITORING LEGEND"
- D101 D102 — DOOR INTERLOCK
- GRAPHICAL USER INTERFACE: A = MASTER CONTROL B = BACKUP MASTER C = BOOKING CONTROL
- VIDEO VISITATION UNIT (NOT IN CONTRACT)

REFER TO SPEC SECTION 08 71 00

- DPS — DOOR POSITION SWITCH
- EL — ELECTRIC LOCK DEVICE WITH REQUEST TO EXIT (REX) AND DOOR POSITION SWITCH (DPS)
- RX — REQUEST TO EXIT DEVICE



MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC
PHONE (704) 940-3765 FAX (704) 940-3764
MOSELE ARCHITECT COM

STEVEN J. HOPKINS — REGISTERED ARCHITECT — 11547 — NORTH CAROLINA — CHARLOTTE, NC

MOSELEY ARCHITECTS — CORPORATE — P.C. — 50149 — NORTH CAROLINA — CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378 / FID# 230464
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE:
621373	December 12, 2023

REVISIONS

DATE	DESCRIPTION

SECURITY ELECTRONICS FLOOR PLAN - PART BW

SE2.2.2

12/12/2023 5:45:03 PM

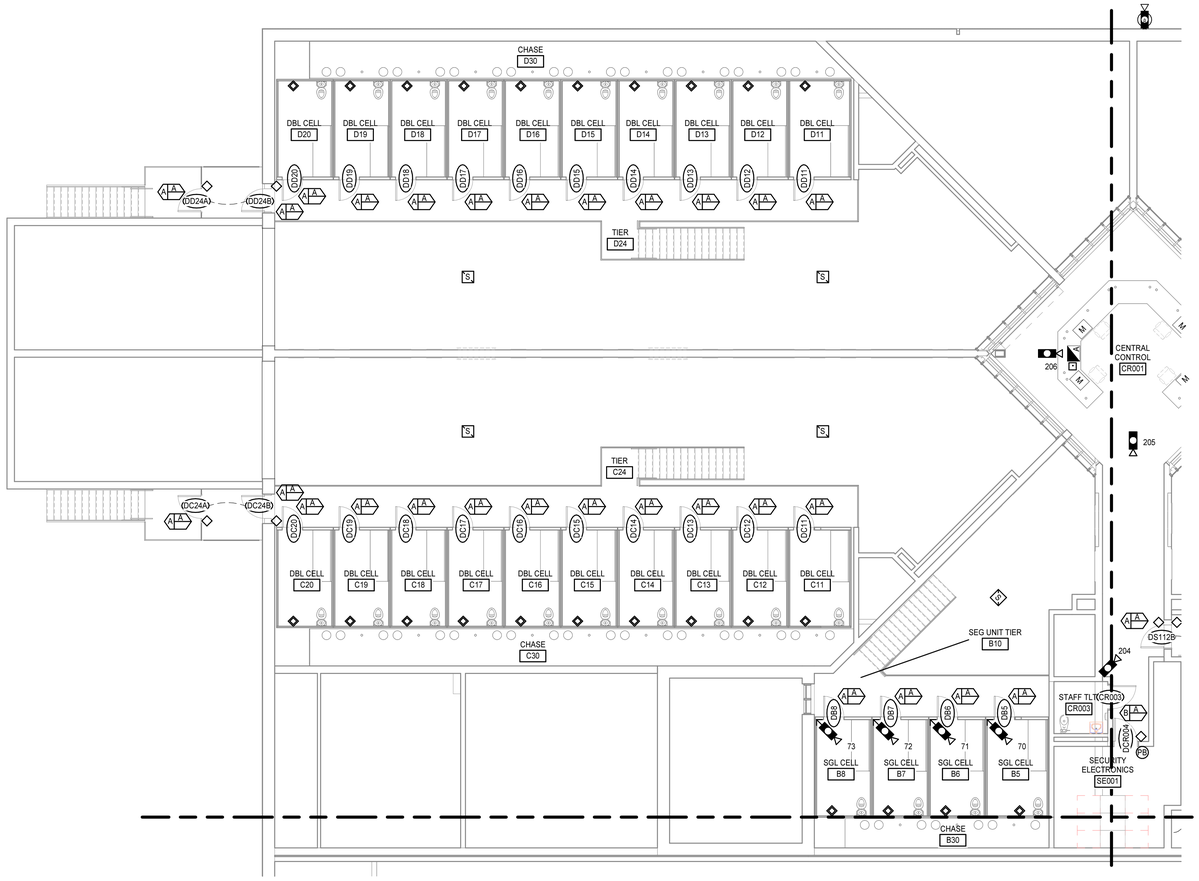
DOOR CONTROL / MONITORING LEGEND
(NOT ALL SYMBOLS NECESSARILY USED)

- CONTROL PANEL FROM WHICH DOOR, ASSOCIATED INTERCOMS & EMERGENCY PUSH BUTTONS ARE CONTROLLED & MONITORED FROM
- CONTROL PANEL FROM WHICH DOOR IS ONLY MONITORED FROM
- LOCK TYPE

- A — 8" JAMB MTD ELECTRO-MECHANICAL LOCK
- B — 2" JAMB MTD ELECTRO-MECHANICAL LOCK
- C — SWING DOOR MANUAL DETENTION LOCK
- D — ELECTRO-MECHANICAL SLIDING DOOR DEVICE
- E — NON-DETENTION DOOR WITH INTERFACING TO SECURITY CONTROL TOUCHSCREEN
- F — SWING DOOR INSTITUTIONAL MORTISE ELECTRIC LOCK
- G — SWING OR SLIDING GATE W/ INTERFACING TO SECURITY CONTROL TOUCHSCREEN
- H — SWING DOOR MANUAL LOCK
- J — -NOT USED-

KEYNOTES
APPLIES TO DRAWINGS SE2.1 - SE2.2.3
REPRESENTED BY n

1. PROVIDE LOOP DETECTORS AT VEHICLE GATES AND VEHICLE SALLYPORT. LOOPS FOR INGRESS SHALL FUNCTION AS AN INTERCOM CALL. LOOPS FOR EGRESS SHALL FUNCTION AS A CALL-IN BUTTON / REQUEST TO EXIT. PROGRAM SECURITY CONTROL SYSTEM TO IGNORE LOOP DETECTORS WHEN GATES ARE OPEN TO PREVENT A SECOND CALL-IN WHEN VEHICLE DRIVES THROUGH THE GATE OR DOOR.
2. PROVIDE MONITORING DEVICE FOR ROOF HATCH.
3. PROVIDE PUSH BUTTON TO UNLOCK DOOR WHEN DOOR IS NOT SCHEDULED TO BE UNLOCKED. DURESS SHALL ANNOUNCE IN MASTER CONTROL AND SHALL OVERRIDE ANY SCHEDULED UNLOCK OF DOOR TO ALLOW DOOR TO BE LOCKED.
4. PROVIDE VIDEO INTERCOM TO ALERT MAGISTRATE WHEN SOMEONE NEEDS ASSISTANCE. DO NOT CONNECT TO LOBBY DOOR. MAGISTRATE MUST PHYSICALLY GO TO THE DOOR IF THEY CHOOSE TO LET SOMEONE IN..
5. PROVIDE LOW VOLTAGE VIDEO MONITOR WITH SPEAKERS IN A VANDAL PROOF HOUSING ON INMATE SIDE FOR SHARING OF VIDEO DISCOVERY FROM ATTORNEY TO INMATE. PROVIDE MEANS FROM ATTORNEY SIDE OF VISITATION TO CONTROL POWER TO THE MONITOR AS WELL AS MEANS TO CONNECT TO THE MONITOR VIA HDMI TO PROVIDE AUDIO AND VIDEO.
6. COORDINATE LOCATION OF INTERVIEW RECORDING EQUIPMENT WITH OWNER.
7. CHASE FOR SECURITY ELECTRONIC CONDUITS..



N

SECURITY ELECTRONICS TIER PLAN - PART BW
1/8" = 1'-0"

GENERAL NOTES

A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY AND GREATER QUANTITY OF WORK.

B. ALL SECURITY DEVICES SHALL HOMERUN TO SECURITY ELECTRONICS HEAD END ROOM IN CONDUIT THE ENTIRE DISTANCE.

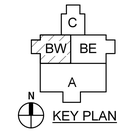
C. COORDINATE FINAL CAMERA HEIGHT AND LOCATION BASED ON NEEDS IN THE FIELD AND ACTUAL CAMERA MODELS BEING USED.

SECURITY SYSTEMS LEGEND
(ALL SYMBOLS NOT NECESSARILY USED)

- WALL MOUNTED EQUIPMENT RACK/CABINET
- SECURITY EQUIPMENT RACK
- GB — GLASS BREAK SENSOR
- DA W — DURESS ALARM - WALL MTD (48" AFF)
- DA F — DURESS ALARM - FURNITURE MOUNTED- COORDINATE WITH FURNITURE PROVIDER
- MASTER INTERCOM
- INTERCOM WALL STATION (48" AFF TO BUTTON)
- INMATE EMERGENCY INTERCOM TO MAIN CONTROL (DOOR FRAME MOUNT 18" AFF)
- S — PAGING SPEAKER
- CALL BUTTON
- TALK THRU COMMUNICATOR
- TALK THRU UNIT
- VIDEO INTERCOM MASTER
- VIDEO INTERCOM REMOTE
- M/C — MICROPHONE
- M — VIDEO MONITOR
- 01 — CCTV CAMERA - FIXED
- 01 — CCTV CAMERA - PTZ
- 01 — CCTV CAMERA - MULTI-LENS (180°, 270°, 360°)
- CR — PROXIMITY CARD READER
- KP — CARD READER AND KEYPAD
- PB — DOOR RELEASE PUSHBUTTON
- A B C — DOOR CONTROL / MONITORING REFER TO "DOOR CONTROL / MONITORING LEGEND"
- D101 D100 — DOOR INTERLOCK
- GRAPHICAL USER INTERFACE: A = MASTER CONTROL B = BACKUP MASTER C = BOOKING CONTROL
- VIDEO VISITATION UNIT (NOT IN CONTRACT)

REFER TO SPEC SECTION 08 71 00

- DPS — DOOR POSITION SWITCH
- EL — ELECTRIC LOCK DEVICE WITH REQUEST TO EXIT (REX) AND DOOR POSITION SWITCH (DPS)
- RX — REQUEST TO EXIT DEVICE



MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 940-5755 FAX (704) 540-3764
MOSELEY ARCHITECTS .COM

STEVEN J. HOPKINS REGISTERED ARCHITECT 11547 NORTH CAROLINA CHARLOTTE, NC

MOSELEY ARCHITECTS, P.A. CORPORATE REGISTRATION 50149 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE:
621373	December 12, 2023

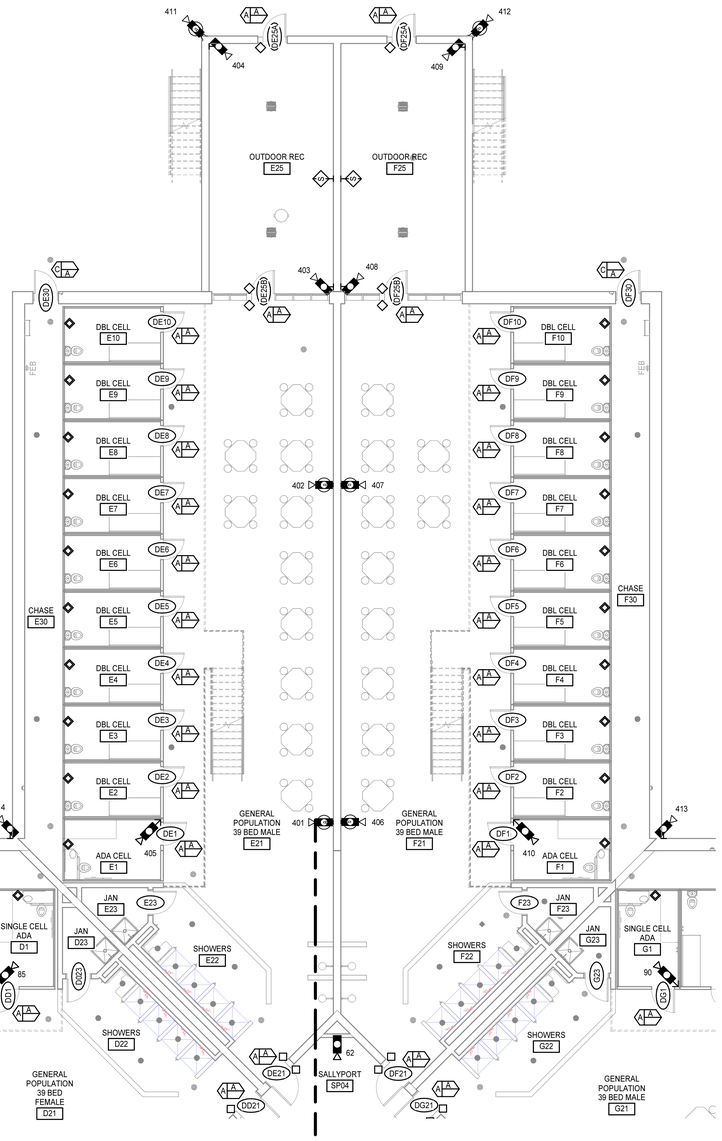
REVISIONS

DATE	DESCRIPTION

SECURITY ELECTRONICS FLOOR PLAN - PART BW - TIER

SE2.2.3

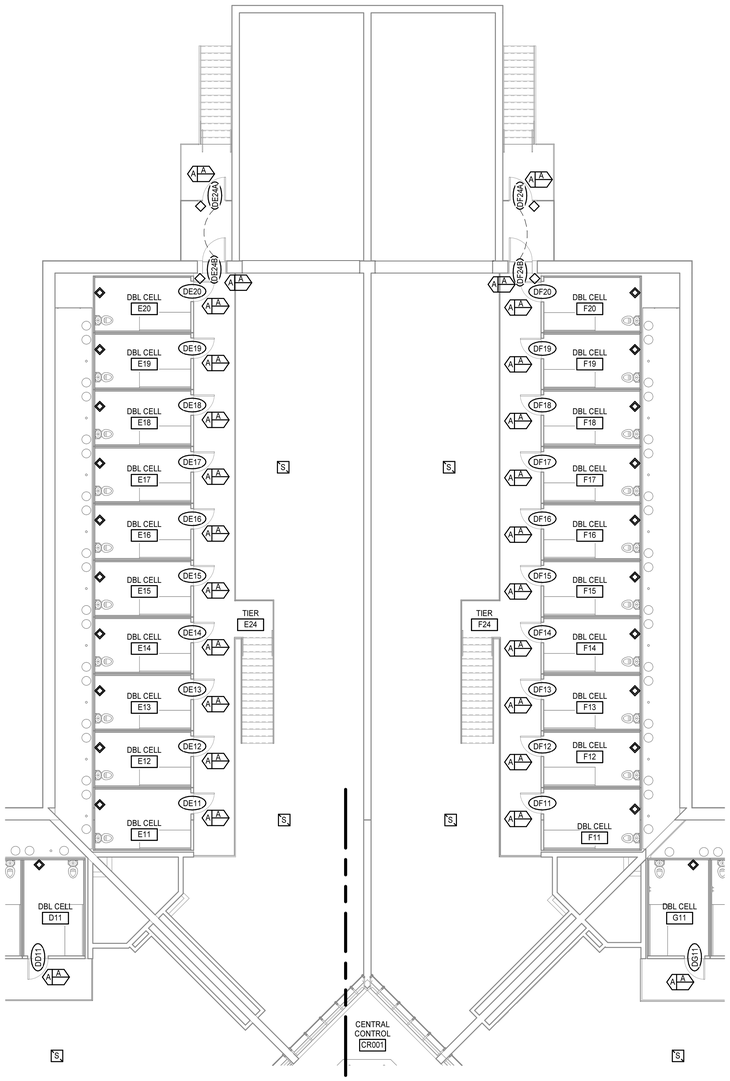
12/8/2023 3:20:39 PM



N

SECURITY ELECTRONICS ALTERNATE - PART C

1/8" = 1'-0"



N

SECURITY ELECTRONICS ALTERNATE - PART C - TIER LEVEL

1/8" = 1'-0"

DOOR CONTROL / MONITORING LEGEND

(NOT ALL SYMBOLS NECESSARILY USED)

- CONTROL PANEL FROM WHICH DOOR, ASSOCIATED INTERCOMS & EMERGENCY PUSH BUTTONS ARE CONTROLLED & MONITORED FROM
- CONTROL PANEL FROM WHICH DOOR IS ONLY MONITORED FROM
- LOCK TYPE

A. 8" JAMB MTD ELECTRO-MECHANICAL LOCK
B. 2" JAMB MTD ELECTRO-MECHANICAL LOCK
C. SWING DOOR MANUAL DETENTION LOCK
D. ELECTRO-MECHANICAL SLIDING DOOR DEVICE
E. NON-DETENTION DOOR WITH INTERFACING TO SECURITY CONTROL TOUCHSCREEN
F. SWING DOOR INSTITUTIONAL MORTISE ELECTRIC LOCK
G. SWING OR SLIDING GATE W/ INTERFACING TO SECURITY CONTROL TOUCHSCREEN
H. SWING DOOR MANUAL LOCK
J. -NOT USED-

KEYNOTES

APPLIES TO DRAWINGS SE2.1 - SE2.2.3
REPRESENTED BY n

1. PROVIDE LOOP DETECTORS AT VEHICLE GATES AND VEHICLE SALLYPORT. LOOPS FOR INGRESS SHALL FUNCTION AS AN INTERCOM CALL. LOOPS FOR EGRESS SHALL FUNCTION AS A CALL-IN BUTTON / REQUEST TO EXIT. PROGRAM SECURITY CONTROL SYSTEM TO IGNORE LOOP DETECTORS WHEN GATES ARE OPEN TO PREVENT A SECOND CALL-IN WHEN VEHICLE DRIVES THROUGH THE GATE OR DOOR.
2. PROVIDE MONITORING DEVICE FOR ROOF HATCH.
3. PROVIDE PUSH BUTTON TO UNLOCK DOOR WHEN DOOR IS NOT SCHEDULED TO BE UNLOCKED. DURESS SHALL ANNOUNCE IN MASTER CONTROL AND SHALL OVERRIDE ANY SCHEDULED UNLOCK OF DOOR TO ALLOW DOOR TO BE LOCKED.
4. PROVIDE VIDEO INTERCOM TO ALERT MAGISTRATE WHEN SOMEONE NEEDS ASSISTANCE. DO NOT CONNECT TO LOBBY DOOR. MAGISTRATE MUST PHYSICALLY GO TO THE DOOR IF THEY CHOOSE TO LET SOMEONE IN..
5. PROVIDE LOW VOLTAGE VIDEO MONITOR WITH SPEAKERS IN A VANDAL PROOF HOUSING ON INMATE SIDE FOR SHARING OF VIDEO DISCOVERY FROM ATTORNEY TO INMATE. PROVIDE MEANS FROM ATTORNEY SIDE OF VISITATION TO CONTROL POWER TO THE MONITOR AS WELL AS MEANS TO CONNECT TO THE MONITOR VIA HDMI TO PROVIDE AUDIO AND VIDEO.
6. COORDINATE LOCATION OF INTERVIEW RECORDING EQUIPMENT WITH OWNER.
7. CHASE FOR SECURITY ELECTRONIC CONDUITS..

GENERAL NOTES

A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY AND GREATER QUANTITY OF WORK.

B. ALL SECURITY DEVICES SHALL HOMERUN TO SECURITY ELECTRONICS HEAD END ROOM IN CONDUIT THE ENTIRE DISTANCE.

C. COORDINATE FINAL CAMERA HEIGHT AND LOCATION BASED ON NEEDS IN THE FIELD AND ACTUAL CAMERA MODELS BEING USED.

SECURITY SYSTEMS LEGEND

(ALL SYMBOLS NOT NECESSARILY USED)

- WALL MOUNTED EQUIPMENT RACK/CABINET
- SECURITY EQUIPMENT RACK
- GB — GLASS BREAK SENSOR
- DA W — DURESS ALARM - WALL MTD (48" AFF)
- DA F — DURESS ALARM - FURNITURE MOUNTED- COORDINATE WITH FURNITURE PROVIDER
- MASTER INTERCOM
- INTERCOM WALL STATION (48" AFF TO BUTTON)
- INMATE EMERGENCY INTERCOM TO MAIN CONTROL (DOOR FRAME MOUNT 18" AFF)
- S — PAGING SPEAKER
- CALL BUTTON
- TALK THRU COMMUNICATOR
- TALK THRU UNIT
- VIDEO INTERCOM MASTER
- VIDEO INTERCOM REMOTE
- M/C — MICROPHONE
- M — VIDEO MONITOR
- 01 — CCTV CAMERA - FIXED
- 01 — CCTV CAMERA - PTZ
- 01 — CCTV CAMERA - MULTI-LENS (180°, 270°, 360°)
- CR — PROXIMITY CARD READER
- KP — CARD READER AND KEYPAD
- PB — DOOR RELEASE PUSHBUTTON
- A / B / C — DOOR CONTROL / MONITORING REFER TO "DOOR CONTROL / MONITORING LEGEND"
- D101 / D100 — DOOR INTERLOCK
- A — GRAPHICAL USER INTERFACE: A = MASTER CONTROL B = BACKUP MASTER C = BOOKING CONTROL
- VIDEO VISITATION UNIT (NOT IN CONTRACT)

REFER TO SPEC SECTION 08 71 00

- DPS — DOOR POSITION SWITCH
- EL — ELECTRIC LOCK DEVICE WITH REQUEST TO EXIT (REX) AND DOOR POSITION SWITCH (DPS)
- RX — REQUEST TO EXIT DEVICE

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY, SUITE 425, CHARLOTTE, NC 28277
PHONE (704) 940-5765 FAX (704) 540-3764
MOSELEY ARCHITECTS .COM

STEVEN J. HOPKINS — REGISTERED ARCHITECT — 11547 — NORTH CAROLINA — CHARLOTTE, NC

MOSELEY ARCHITECTS, P.A. — CORPORATE NUMBER — 50149 — NORTH CAROLINA — CHARLOTTE, NC

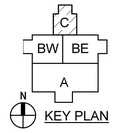
DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO.	DATE:
621373	December 12, 2023

REVISIONS

DATE	DESCRIPTION

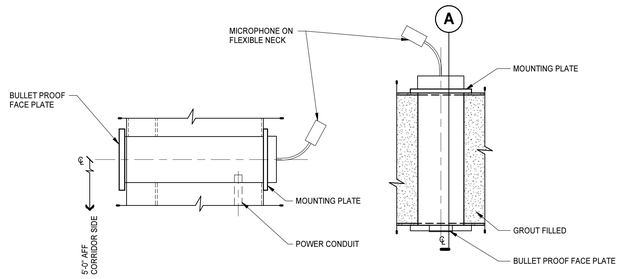


KEY PLAN

SECURITY ELECTRONICS FLOOR PLAN - ALT PART C

SE2.3

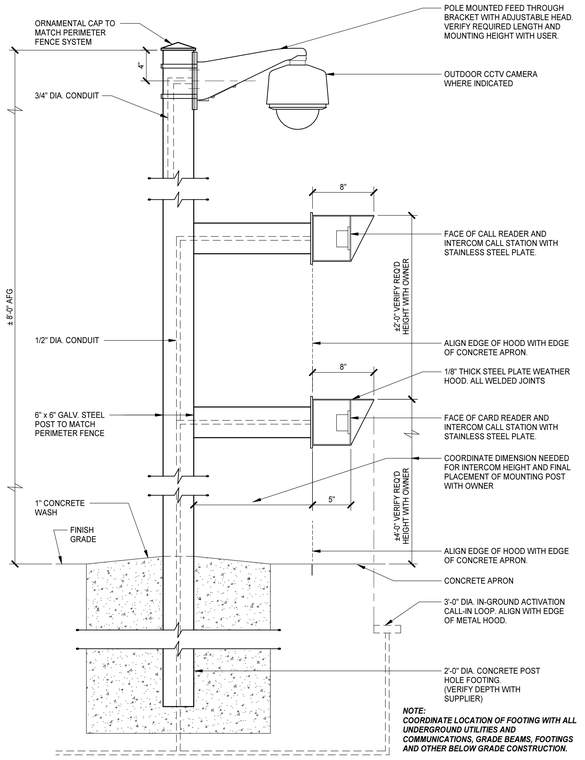
12/8/2023 3:20:44 PM



SECTION "A" **INMATE SIDE**

10 SE3.1 TALK THRU-COMMUNICATOR (TCC)

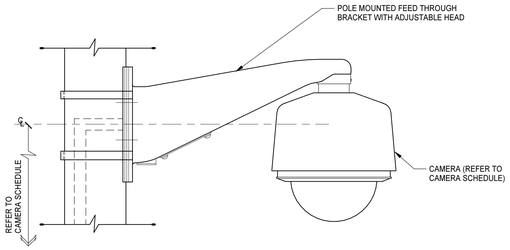
3" = 1'-0"



NOTE:
COORDINATE LOCATION OF FOOTING WITH ALL UNDERGROUND UTILITIES AND COMMUNICATIONS, GRADE BEAMS, FOOTINGS AND OTHER BELOW GRADE CONSTRUCTION.

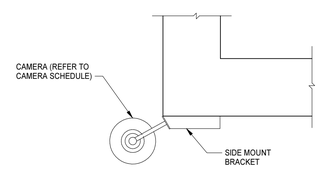
8 SE3.1 DRIVE-UP INTERCOM (DUAL) W/ CAMERA

1 1/2" = 1'-0"



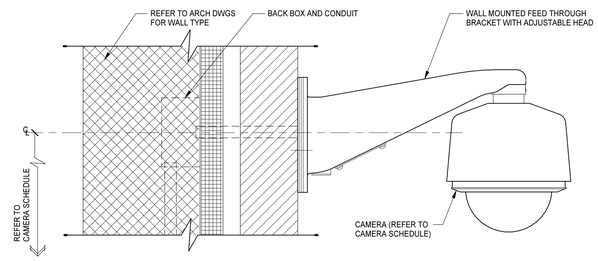
9 SE3.1 POLE MOUNTED CAMERA

3" = 1'-0"



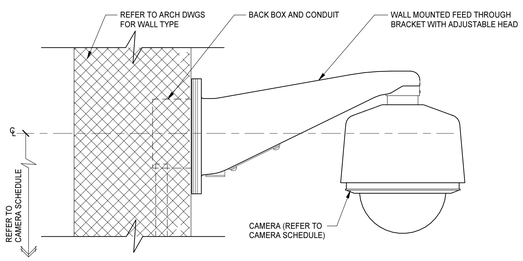
7 SE3.1 EXT CORNER WALL MOUNTED DOME CAMERA

3/4" = 1'-0"



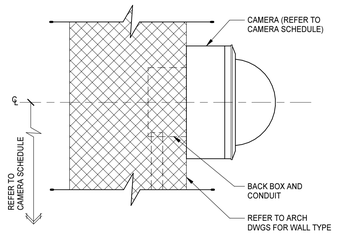
6 SE3.1 EXT WALL MOUNTED DOME CAMERA

3" = 1'-0"



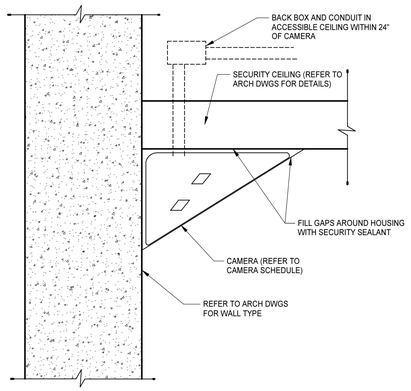
5 SE3.1 INT WALL MOUNTED DOME CAMERA

3" = 1'-0"



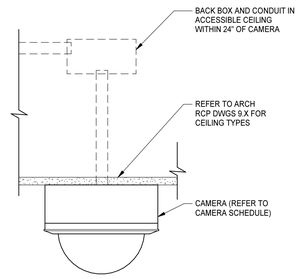
4 SE3.1 WALL SURFACE MOUNTED CAMERA

3" = 1'-0"



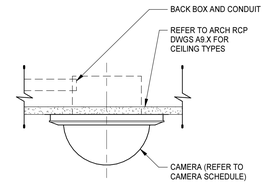
3 SE3.1 CEILING CORNER MOUNT CAMERA

3" = 1'-0"



2 SE3.1 CEILING SURFACE MOUNTED CAMERA

3" = 1'-0"



1 SE3.1 CEILING RECESSED MOUNTED CAMERA

3" = 1'-0"

SECURITY - CAMERA SCHEDULE

CAMERA NO.	CAMERA TYPE	MOUNTING TYPE	MOUNTING HEIGHT	MOUNTING DETAIL	NOTES
01	FIXED	SURFACE	8' 4" AFF	4/SE3.1	
02	FIXED	SURFACE	10' 4" AFF	4/SE3.1	
03	FIXED	SURFACE	10' 4" AFF	4/SE3.1	
04	FIXED	RECESSED	CEILING	1/SE3.1	
05	FIXED	RECESSED	CEILING	1/SE3.1	
06	FIXED	RECESSED	CEILING	1/SE3.1	WIDE ANGLE
07	FIXED	SURFACE	CEILING	2/SE3.1	WIDE ANGLE
08	FIXED	RECESSED	CEILING	1/SE3.1	
09	FIXED	RECESSED	CEILING	1/SE3.1	
10	FIXED	RECESSED	CEILING	1/SE3.1	
11	FIXED	RECESSED	CEILING	1/SE3.1	WIDE ANGLE
12	FIXED	SURFACE	CEILING	2/SE3.1	WIDE ANGLE
13	FIXED	SURFACE	CEILING	2/SE3.1	
14	FIXED	SURFACE	CEILING	2/SE3.1	
15	FIXED	SURFACE	CEILING	2/SE3.1	
16	FIXED	SURFACE	CEILING	2/SE3.1	
17	FIXED	SURFACE	CEILING	2/SE3.1	
18	FIXED	SURFACE	CEILING	2/SE3.1	
19	FIXED	SURFACE	CEILING	2/SE3.1	WIDE ANGLE
20	FIXED	SURFACE	CEILING	2/SE3.1	
21	FIXED	SURFACE	CEILING	2/SE3.1	
22	FIXED	SURFACE	CEILING	2/SE3.1	
23	FIXED	SURFACE	CEILING	2/SE3.1	
24	FIXED	SURFACE	9' 6" AFF	4/SE3.1	
25	FIXED	SURFACE	9' 6" AFF	4/SE3.1	
26	MULTI-LENS 180°	SURFACE	9' 8" AFF	6/SE3.1	
27	FIXED	SURFACE	CEILING	2/SE3.1	
28	FIXED	SURFACE	CEILING	2/SE3.1	
29	FIXED	SURFACE	CEILING	2/SE3.1	
30	FIXED	SURFACE	CEILING	2/SE3.1	
31	FIXED	CORNER	CEILING	3/SE3.1	
32	FIXED	CORNER	CEILING	3/SE3.1	
33	FIXED	CORNER	CEILING	3/SE3.1	
34	FIXED	CORNER	CEILING	3/SE3.1	
35	FIXED	CORNER	CEILING	3/SE3.1	
36	FIXED	CORNER	CEILING	3/SE3.1	
37	FIXED	SURFACE	CEILING	2/SE3.1	
38	FIXED	SURFACE	CEILING	2/SE3.1	
39	FIXED	SURFACE	CEILING	2/SE3.1	
40	FIXED	SURFACE	CEILING	2/SE3.1	
41	FIXED	SURFACE	CEILING	2/SE3.1	
42	FIXED	SURFACE	9' AFF	4/SE3.1	
43	FIXED	SURFACE	9' AFF	4/SE3.1	
44	FIXED	SURFACE	CEILING	2/SE3.1	WIDE ANGLE
45	FIXED	SURFACE	CEILING	2/SE3.1	
46	MULTI-LENS 360°	SURFACE	CEILING	2/SE3.1	
47	MULTI-LENS 360°	SURFACE	CEILING	2/SE3.1	
48	FIXED	SURFACE	CEILING	2/SE3.1	
49	FIXED	SURFACE	9' 8" AFF	4/SE3.1	
50	FIXED	SURFACE	9' 8" AFF	4/SE3.1	
51	FIXED	SURFACE	CEILING	2/SE3.1	
52	FIXED	SURFACE	CEILING	2/SE3.1	
53	FIXED	SURFACE	CEILING	2/SE3.1	
54	FIXED	SURFACE	CEILING	2/SE3.1	
55	FIXED	SURFACE	CEILING	2/SE3.1	
56	FIXED	SURFACE	CEILING	2/SE3.1	
57	FIXED	SURFACE	CEILING	2/SE3.1	
58	FIXED	SURFACE	CEILING	2/SE3.1	
59	FIXED	SURFACE	CEILING	2/SE3.1	
60	FIXED	SURFACE	CEILING	2/SE3.1	
61	FIXED	SURFACE	CEILING	2/SE3.1	
62	FIXED	SURFACE	CEILING	2/SE3.1	
63	FIXED	SURFACE	CEILING	2/SE3.1	
64	FIXED	SURFACE	11' AFF	4/SE3.1	
65	MULTI-LENS 180°	SURFACE	10' 4" AFF	5/SE3.1	
66	FIXED	CORNER	CEILING	3/SE3.1	
67	FIXED	CORNER	CEILING	3/SE3.1	
68	FIXED	CORNER	CEILING	3/SE3.1	
69	FIXED	CORNER	CEILING	3/SE3.1	
70	FIXED	CORNER	CEILING	3/SE3.1	
71	FIXED	CORNER	CEILING	3/SE3.1	
72	FIXED	CORNER	CEILING	3/SE3.1	
73	FIXED	CORNER	CEILING	3/SE3.1	
74	FIXED	SURFACE	15' AFF	4/SE3.1	
75	FIXED	SURFACE	15' AFF	4/SE3.1	
76	MULTI-LENS 180°	SURFACE	10' 4" AFF	5/SE3.1	
77	MULTI-LENS 180°	SURFACE	10' 4" AFF	5/SE3.1	
78	FIXED	SURFACE	15' AFF	4/SE3.1	
79	FIXED	SURFACE	15' AFF	4/SE3.1	

SECURITY - CAMERA SCHEDULE

CAMERA NO.	CAMERA TYPE	MOUNTING TYPE	MOUNTING HEIGHT	MOUNTING DETAIL	NOTES
80	FIXED	CORNER	CEILING	3/SE3.1	
81	MULTI-LENS 180°	SURFACE	10' 4" AFF	5/SE3.1	
82	MULTI-LENS 180°	SURFACE	10' 4" AFF	5/SE3.1	
83	FIXED	SURFACE	15' AFF	4/SE3.1	
84	FIXED	SURFACE	15' AFF	4/SE3.1	
85	FIXED	CORNER	CEILING	3/SE3.1	
86	MULTI-LENS 180°	SURFACE	10' 4" AFF	5/SE3.1	
87	MULTI-LENS 180°	SURFACE	10' 4" AFF	5/SE3.1	
88	FIXED	SURFACE	15' AFF	4/SE3.1	
89	FIXED	SURFACE	15' AFF	4/SE3.1	
90	FIXED	CORNER	CEILING	3/SE3.1	
91	MULTI-LENS 180°	SURFACE	10' 4" AFF	5/SE3.1	
92	MULTI-LENS 180°	SURFACE	10' 4" AFF	5/SE3.1	
93	FIXED	SURFACE	15' AFF	4/SE3.1	
94	FIXED	SURFACE	15' AFF	4/SE3.1	
95	FIXED	CORNER	CEILING	3/SE3.1	
96	FIXED	SURFACE	11' AFF	4/SE3.1	
97	MULTI-LENS 180°	SURFACE	10' 4" AFF	5/SE3.1	
98	FIXED	CORNER	CEILING	3/SE3.1	
99	FIXED	CORNER	CEILING	3/SE3.1	
100	FIXED	CORNER	CEILING	3/SE3.1	
101	FIXED	CORNER	CEILING	3/SE3.1	
102	FIXED	CORNER	CEILING	3/SE3.1	
103	FIXED	CORNER	CEILING	3/SE3.1	
104	FIXED	CORNER	CEILING	3/SE3.1	
105	FIXED	CORNER	CEILING	3/SE3.1	
106	FIXED	SURFACE	15' AFF	4/SE3.1	
107	FIXED	SURFACE	15' AFF	4/SE3.1	
108	FIXED	SURFACE	CEILING	2/SE3.1	WIDE ANGLE
201	FIXED	SURFACE	9' AFF	4/SE3.1	WIDE ANGLE
202	FIXED	SURFACE	CEILING	2/SE3.1	
203	FIXED	SURFACE	CEILING	2/SE3.1	WIDE ANGLE
204	FIXED	SURFACE	CEILING	2/SE3.1	
205	FIXED	SURFACE	CEILING	2/SE3.1	
206	FIXED	SURFACE	CEILING	2/SE3.1	
207	FIXED	SURFACE	CEILING	2/SE3.1	
301	MULTI-LENS 360°	SURFACE	CANOPY	2/SE3.1	
302	FIXED	SURFACE	CANOPY	2/SE3.1	
303	FIXED	SURFACE	9' 6" AFF	4/SE3.1	WIDE ANGLE
304	MULTI-LENS 270°	SURFACE	11' AFF	7/SE3.1	
305	FIXED	SURFACE	9' 2" AFF	4/SE3.1	
306	MULTI-LENS 270°	SURFACE	16' 4" AFF	7/SE3.1	
307	MULTI-LENS 270°	SURFACE	16' 4" AFF	7/SE3.1	
308	MULTI-LENS 180°	SURFACE	16' 4" AFF	6/SE3.1	REMOVE W/ALT1
309	MULTI-LENS 270°	SURFACE	16' 4" AFF	7/SE3.1	
310	MULTI-LENS 270°	SURFACE	16' 4" AFF	7/SE3.1	
311	FIXED	SURFACE	8' 10" AFF	4/SE3.1	
312	MULTI-LENS 270°	SURFACE	13' AFF	7/SE3.1	
313	FIXED	POLE	7' 6" AFF	8/SE3.1	
314	MULTI-LENS 270°	POLE	11' 6" AFF	9/SE3.1	
315	MULTI-LENS 270°	POLE	11' 6" AFF	9/SE3.1	
316	FIXED	POLE	7' 6" AFF	8/SE3.1	
V1	FIXED	SURFACE	CEILING	2/SE3.1	INTERVIEW
V2	FIXED	SURFACE	CEILING	2/SE3.1	INTERVIEW

SECURITY - CAMERA SCHEDULE - ALTERNATE 1

CAMERA NO.	CAMERA TYPE	MOUNTING TYPE	MOUNTING HEIGHT	MOUNTING DETAIL	NOTES
401	MULTI-LENS 180°	SURFACE	10' 4" AFF	5/SE3.1	ALTERNATE
402	MULTI-LENS 180°	SURFACE	10' 4" AFF	5/SE3.1	ALTERNATE
403	FIXED	SURFACE	15' AFF	4/SE3.1	ALTERNATE
404	FIXED	SURFACE	15' AFF	4/SE3.1	ALTERNATE
405	FIXED	CORNER	CEILING	3/SE3.1	ALTERNATE
406	MULTI-LENS 180°	SURFACE	10' 4" AFF	5/SE3.1	ALTERNATE
407	MULTI-LENS 180°	SURFACE	10' 4" AFF	5/SE3.1	ALTERNATE
408	FIXED	SURFACE	15' AFF	4/SE3.1	ALTERNATE
409	FIXED	SURFACE	15' AFF	4/SE3.1	ALTERNATE
410	FIXED	CORNER	CEILING	3/SE3.1	ALTERNATE
411	MULTI-LENS 270°	SURFACE	16' 4" AFF	7/SE3.1	ALTERNATE
412	MULTI-LENS 270°	SURFACE	16' 4" AFF	7/SE3.1	ALTERNATE
413	FIXED	SURFACE	15' 10" AFF	4/SE3.1	ALTERNATE
414	FIXED	SURFACE	15' 10" AFF	4/SE3.1	ALTERNATE

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 940-5755 FAX (704) 540-3764
MOSELEY ARCHITECTS .COM

STEVEN J. HOPKINS REGISTERED ARCHITECT 11547 NORTH CAROLINA CHARLOTTE, NC

MOSELEY ARCHITECTS, P.A. NORTH CAROLINA CORPORATION C-1 50149 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO: 621373	DATE: December 12, 2023

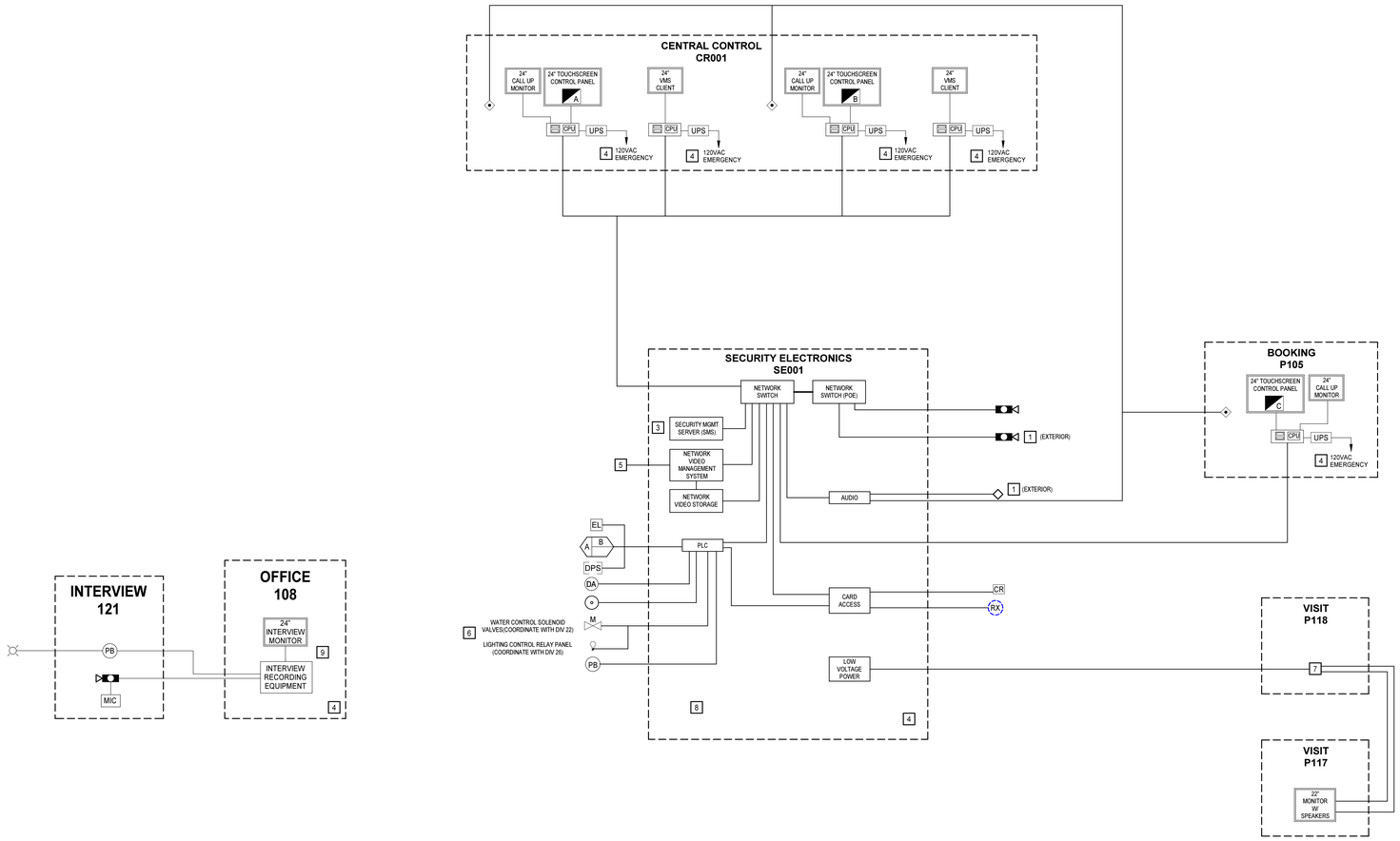
REVISIONS

DATE	DESCRIPTION

CAMERA SCHEDULE AND DETAILS

SE3.1

12/8/2023 3:20:47 PM



SECURITY TYPICAL ONE-LINE DIAGRAM

KEYNOTES

APPLIES TO ONE-LINE DIAGRAM
REPRESENTED BY n

1. EXTERIOR POLE MOUNTED CAMERAS/INTERCOM SHALL USE FIBER OPTIC CABLE FOR VIDEO, AUDIO, AND DATA TRANSMISSION.
2. ALL FIBER OPTIC CABLING FOR SECURITY NETWORK, CATEGORY 6 CABLING FOR CAMERAS, AND SECURITY SERVERS/WORKSTATIONS SHALL BE INSTALLED, TERMINATED, AND TESTED PRIOR TO USE.
3. PROVIDE SMS SERVER IN MAIN SECURITY EQUIPMENT ROOM. CONNECT TO KVM IN RACK FOR CCTV SERVERS.
4. ALL POWER TO SECURITY HEADEND EQUIPMENT AND ASSOCIATED FIELD COMPONENTS SHALL BE CONNECTED TO EMERGENCY / GENERATOR POWER (THROUGH AN SCSC PROVIDED UPS).
5. PROVIDE A SECOND NETWORK CARD ON ALL CCTV SERVERS AND SMS/ACS SERVER FOR USE BY THE COUNTY.
6. PROVIDE CAPABILITY TO CUT OFF WATER AND LIGHTING VIA TOUCHSCREEN.
7. PROVIDE LOW VOLTAGE VIDEO MONITOR WITH SPEAKERS IN A VANDAL PROOF HOUSING ON INMATE SIDE. FOR SHARING OF VIDEO DISCOVERY FROM ATTORNEY TO INMATE. PROVIDE MEANS FROM ATTORNEY SIDE OF VISITATION TO CONTROL POWER TO THE MONITOR AS WELL AS MEANS TO CONNNECT TO THE MONITOR VIA HDMI TO PROVIDE AUDIO AND VIDEO.
8. PROVIDE SPARE 1" CONDUIT FROM EQUIPMENT ROOM TO ROOF FOR FUTURE DRONE DETECTION SYSTEM.
9. PROVIDE INTERVIEW RECORDING SYSTEM THAT IS INDEPENDANT FROM OTHER SYSTEMS. PROVIDE WALL MOUNTED SWITCH TO START/STOP RECORDING AND TURN ON WALL MOUNTED LIGHT OUTSIDE OF DOOR TO INDICATE WHEN RECORDING IS IN PROGRESS.

ONE-LINE DIAGRAM GENERAL NOTES

A. SECURITY CONTROL SYSTEM CABLING AND WIRING INDICATED IS DIAGRAMMATIC ONLY. IT IS INTENDED TO SHOW PROPOSED LOCATIONS OF MAJOR COMPONENTS OF THE SECURITY CONTROL SYSTEM AND THEIR INTERCONNECTION.

B. NO CONDUIT SIZES OR QUANTITIES NOR CONDUCTOR TYPES OR QUANTITIES ARE INDICATED. THE SECURITY CONTROL SYSTEM CONTRACTOR'S (SCSC) INDIVIDUAL CONTROL SOLUTION WILL DETERMINE THE EXACT CONDUIT AND CONDUCTOR REQUIREMENTS. REFER TO DRAWINGS FOR QUANTITIES AND LOCATIONS OF INDIVIDUAL SECURITY CONTROL SYSTEM EQUIPMENT AND DEVICES. REFER TO DIVISION 26 ELECTRICAL FOR POWER.

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD, THE HUB AT WAVERLY, SUITE 425, CHARLOTTE, NC 28277
PHONE (704) 540-5755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

STEVEN J HOPKINS
REGISTERED ARCHITECT
11547
NORTH CAROLINA
CHARLOTTE, NC

MOSELEY ARCHITECTS, P.A.
REGISTERED ARCHITECTURAL CORPORATION
50149
NORTH CAROLINA
CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO:	DATE:
621373	December 12, 2023

REVISIONS

DATE	DESCRIPTION

SECURITY ELECTRONICS ONE-LINE DIAGRAM

SE4.1

12/6/2023 3:20:48 PM



REMOTE REFRIGERATION CONDENSING UNITS ON STACKING RACK. LOCATED ON CONCRETE SLAB BY G.C..REFER TO ARCHITECTURAL PLANS FOR EXTRACT LOCATION.

1 FS.01 FOOD SERVICE EQUIPMENT PLAN
1/4" = 1'-0"

KEY PLAN

MOSELEY ARCHITECTS
11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC .COM

BID SET

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY, NORTH CAROLINA
FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

FOOD SERVICE EQUIPMENT PLAN

FS.01

12/12/2023 3:01:07 PM

FOODSERVICE EQUIPMENT SCHEDULE

QTY	ITEM	DESCRIPTION	MANUFACTURER	MODEL	ITEM	ELECTRICAL							PLUMBING								GAS			REMARKS
						ELECTRICAL A.F.F.	KW	HP	AMPS	VOLTS	PHASE	NEMA	HW SIZE	HW/A.F.F.	CW SIZE	CW/A.F.F.	IW	DRAIN TYPE	DW	DW A.F.F.	GAS SIZE	GAS/A.F.F.	BTU/HR.	
1	01	AIR CURTAIN	BERNER	CLC08-1048A	01	ABV.	.32	1/5		120	1	DIRECT CONN.												MICROSWITCH AT DOOR, MOUNTING BRACKET
4	02A	WIRE SHELVING UNIT, COLD STORAGE	METRO	SE-243663K4-S-4	02A																			63"HIGH POSTS, 4-TIER, EPOXY FINISH
5	02B	WIRE SHELVING UNIT, COLD STORAGE	METRO	SE-244863K4-S-4	02B																			63"HIGH POSTS, 4-TIER, EPOXY FINISH
7	02C	WIRE SHELVING UNIT, COLD STORAGE	METRO	SE-245463K4-S-4	02C																			63"HIGH POSTS, 4-TIER, EPOXY FINISH
3	02D	WIRE SHELVING UNIT, COLD STORAGE	METRO	SE-246063K4-S-4	02D																			63"HIGH POSTS, 4-TIER, EPOXY FINISH
1	03	COLD STORAGE ASSEMBLY	BALLY	CUSTOM	03	*												F.D.						
1	04A	DUNNAGE RACK	METRO	HP2230PD	04A																			
6	04B	DUNNAGE RACK	METRO	HP2248PD	04B																			
2	05	CAN RACK	CHANNEL	CSR-156	05																			
10	06A	SHELVING UNIT, POLYMER/WIRE, 5-TIER	METRO	5A457K3	06A																			
9	06B	SHELVING UNIT, POLYMER/WIRE, 5-TIER	METRO	5A467K3	06B																			
3	07	HAND SINK	EAGLE GROUP	HSA-10-FW	07								1/2"	14"	1/2"	14"			2"	0' - 10"				FAUCET, SIDE SPLASH WHERE REQUIRED
2	08	GARBAGE CAN	BY OWNER	N.I.K.C.	08																			
2	09	WORK TABLE	EAGLE GROUP	T30120SE	09																			UNDERSHELF
2	10	WORKTABLE	EAGLE GROUP	T3060SE	10													F.S.						UNDERSHELF
1	11	CLEAN DISHTABLE	EAGLE GROUP	CDTR-84-14/3	11																			
1	11.1	DISHTABLE SORTING SHELF	EAGLE GROUP	605381-X	11.1																			MOUNT 5'-4" A.F.F.
1	12	SOILED DISHTABLE	EAGLE GROUP	SDTL-84-14/3	12								1/2"	14"	1/2"	14"		F.S.						20"x20"x8"PRE-RINSE SINK, SCRAP BLOCK, PRE-RINSE UNIT, LEVER DRAIN
1	12.1	DISHTABLE SORTING SHELF	EAGLE GROUP	605381-X	12.1																			MOUNT 5'-4" A.F.F.
1	13	DISHWASHER, CONVEYOR TYPE	HOBART	CL44EN-ADV	13	64"	A:30		55.0	208	3	(2)DIRECT CONN.	1/2"	12"	1/2"	12"	2"	F.S.						A:BOOSTER B:DISHMACHINE, DRAIN WATER TEMPERING KIT, TABLE LIMIT SWITCH
1	14	PANTLEG VENT	FABRICATED	CUSTOM	14																			SEE VENTILATION CONNECTION SCHEDULE
1	15	NOT USED	-	-	15																			
1	16	THREE (3) COMPARTMENT SINK	EAGLE GROUP	FN2860-3-30-14/3	16								2@1/2"	14"	2@1/2"	14"	2"	F.S.						(3)LEVER DRAIN, (2)B-0231 FAUCET
2	17	BEVERAGE DISPENSER, INSULATED	CAMBRO	1000LCD157	17																			
8	18	TRAY DELIVERY CART	SAMMONS	2145-2-2849	18																			CASTERS
1	19	REACH-IN REFRIGERATOR	BEVERAGE AIR	HR1HC-1S	19	24"			5.8	120	1	5-15P												CASTERS
1	20	NOT USED	-	-	20																			
1	21	SERVING COUNTER, COLD FOOD	CADDY	RIF-602	21	STUB			5.8	120	1	5-15P												CASTERS
1	22	HOT FOOD SERVING COUNTER /TABLE	CADDY	TF-605	22	STUB			23.9	208	1	6-50P												CASTERS
1	23	WORK TABLE	EAGLE GROUP	T24120SE	23																			UNDERSHELF
2	24	WORK TABLE W/PREP SINK	EAGLE GROUP	T3096SE-BS	24								1/2"	STUB	1/2	STUB		F.S.						20"x20"x14" SINK BOWL, FAUCET, LEVER WASTE, UNDERSHELF, FLANGED FEET
1	25	WORK TABLE	EAGLE GROUP	T3096STEB-BS	25																			
1	26	ICE MAKER, CUBE-STYLE	ICE-O-MATIC	CIM0520FA	26	64"			17.8	120	1	DIRECT CONN.			3/8"	64"	1"	F.S.						B55PS ICE BIN, KBT19 BIN TOP, WATER FILTER, BACKFLOW PREVENTER
1	27	BEVERAGE COUNTER W/SINK	JOHN BOOS	4CB4R10-3096-R	27								1/2"	14"	1/2"	14"	4"	F.S.						18"X18"X12" SINK ON RIGHT, FAUCET, LEVER DRAIN, URN TROUGH
1	28	TEA BREWER	BY VENDOR	N.I.K.C.	28	48"			14.0	208	1	DIRECT CONN.			1/4"	48"		F.S.						VERIFY UTILITIES WITH VENDOR
1	29	COFFEE MAKER / BREWER URN	BY VENDOR	N.I.K.C.	29	48"			28.0	208	1	DIRECT CONN.	3/8"	48"				F.S.						VERIFY UTILITIES WITH VENDOR
1	30	NOT USED	-	-	30																			
1	31	REACH-IN HEATED CABINET	BEVERAGE AIR	PH1-1S	31	24"			5.9	208	1	6-20P												
1	32	COMBI OVEN, ELECTRIC	ALTO-SHAAM	CTC7-20E	32	24"			45.7	208	3	DIRECT CONN.			2@3/4"	24"	2"	F.S.						OVEN STAND, WATER FILTER, BACKFLOW PREVENTER
1	33	KETTLE, GAS, STATIONARY	CROWN	GL-20E	33	24"			4.0	120	1	CORD&PLUG	1/2"	24"	1/2"	24"		F.T.			3/4"	24"	100,000	DOUBLE PANTRY FAUCET, TVS-3 3"TANGENT DRAW OFF VALVE
1	34	TILTING SKILLET BRAISING PAN	MARKET FORGE	30P-STEL	34	24"			86.5	208	1	CORD&PLUG	3/8"	24"	3/8"	24"	2"	F.T.			3/4"	24"	93,000	DOUBLE PANTRY FAUCET
2	35	FLOOR TROUGH	EAGLE GROUP	ASFT-1830-PFG	35												4"							
1	36	RANGE, 36", THERMOSTATIC GRIDDLE	VULCAN	VGM36S	36																1-1/4"	24"	140,000	S/S HIGH SHELF, STANDARD OVEN
1	37	CONVECTION OVEN, ELECTRIC	VULCAN	VC44GD	37	24"/48"			15.4	120	1	(2)CORD&PLUG									2@3/4"	24"	100,000	DOUBLE DECK
1	38	EXHAUST HOOD	CAPTIVE AIRE	ND-PSP	38	ABV.			20.0	120	1	(2)DIRECT CONN.												SEE VENTILATION CONNECTION SCHEDULE
1	39	FIRE SUPPRESSION SYSTEM	ANSUL	R-102	39																			WET CHEMICAL
1	40	NOT USED	-	-	40																			
1	41	TWO (2) COMPARTMENT SINK	EAGLE GROUP	FN2032-2-30-14/3	41								1/2"	STUB	1/2"	STUB	2"	F.S.						(2)LEVER WASTE, T&S FAUCET B-0231
1	42	NOT USED	-	-	42																			
1	43	CONVECTION STEAMER, ELECTRIC	CLEVELAND	(2) 22CET66.1	43	24"/48"			29.8	208	3	(2)DIRECT CONN.			2@3/4"	24"/48"	1"	F.T.						DOUBLE STACKED, ES26304066E EQUIPMENT STAND, WATER FILTER, BACK FLOW PREVENTER
1	44	PLANETARY MIXER	HOBART	HL400-4STD	44	STUB		1/5	9.3	240	1	DIECT CONN.												
1	45	FOOD SLICER, ELECTRIC	HOBART	HS6N-1	45	STUB			5.4	120	1	CORD&PLUG												27"Wx32"Dx32"H EQUIPMENT STAND
1	46	FOOD PROCESSOR, BENCHTOP	HOBART	FP41-1	46	STUB		3/4	8.0	120	1	CORD&PLUG												
3	47	INGREDIENT BIN	CAMBRO	IBS27148	47																			CASTERS
2	48	BUN / SHEET PAN RACK	CRES COR	2071812	48																			CASTERS
3	49	SHELVING UNIT	METRO	Q566EG3	49																			68"HIGH POSTS, 4-TIER, POLYMER, CASTERS
1	50	NOT USED	-	-	50																			
2	51	WASHER/EXTRACTOR, 55 LB.	UNIMAC	UY55	51	ABV.		4.02		480	3	DIRECT CONN.	1/2"	48"	1/2"	48"		F.T.						
2	52	TUMBLE DRYER, 55 LB.	UNIMAC	UT-55	52	ABV.			45.0	480	3	DIRECT CONN.									1/2"	24"	165,000	SEE VENTILATION CONNECTION SCHEDULE
1	53	FOLDING TABLE	EAGLE GROUP	T3072F	53																			
1	54	ONE (1) COMPARTMENT SINK	EAGLE GROUP	2124-1-16/4	54								1/2"	14"	1/2"	14"			2"	0' - 10"				LEVER DRAIN, FAUCET
2	55A	WIRE SHELVING UNIT, DRY STORAGE	METRO	A556K3	55A																			74"HIGH POSTS, 5-TIER, EPOXY FINISH, CASTERS
1	55B	WIRE SHELVING UNIT, DRY STORAGE	METRO	5A567K3	55B																			74"HIGH POSTS, 5-TIER, EPOXY FINISH, CASTERS
1	56-70	NOT USED	-	-	56-70																			

110° F. HOT WATER REQUIREMENTS		GPH
HAND SINK	3 @ 5	15
MOP SINK	-	5
CAN WASH	-	10
	TOTAL	30
140° F. HOT WATER REQUIREMENTS		**GPH**
POT SINK	3 @ 30	90
PREP SINK	2 @ 20	40
DISHMACHINE	FROM BOOSTER @ 20 PSI	126
PRE-RINSE UNIT	1 @ 35	35
FILL FAUCET	2 @ 10	20
	TOTAL	311
160° F. HOT WATER REQUIREMENTS		**GPH**
WASHER EXTRACTOR	2 @ 165	330

REFRIGERATION CONNECTION SCHEDULE

CONN	EQUIPMENT	LOAD	V/PH	REMARKS
03A	LIGHTS, COOLER	300 W	120/1	2 EXTRA LIGHTS
03B	EVAP. COIL, COOLER	AMPS	V/PH	-
03C	COND. UNIT, COOLER	MCA	V/PH	-
03D	LIGHTS, COOLER	300 W	120/1	2 EXTRA LIGHTS
03E	EVAP. COIL, COOLER	AMPS	V/PH	-
03F	COND. UNIT, COOLER	MCA	V/PH	-
03G	LIGHTS & DOOR HEAT	15.0 AMPS	120/1	DRAINLINE HEAT TAPE
03H	LIGHTS, FREEZER	300 W	120/1	2 EXTRA LIGHTS
03I	EVAP. COIL, FREEZER	AMPS	V/PH	FEED DEFROST THRU TIMER @ COND. UNIT
03J	COND. UNIT, FREEZER	MCA	V/PH	

VENTILATION CONNECTION SCHEDULE

ITEM	CONNECTION	SIZE	CFM	S.P.	QTY.	TOTAL
13A	EXHAUST	4" X 16"	600	0.25"	1	600
38A	EXHAUST	14" DIA	2205	-0.972"	1	2205
38B	SUPPLY	10" X 24"	441	0.109"	3	1764
38C	EXHAUST	14" DIA	1785	-0.638"	1	1785
38D	SUPPLY	10" X 24"	504	0.140"	3	1515
38E	SUPPLY	12" X 24"	441	0.091"	1	441

ELECTRICAL LOADS ARE BASED ON MANUFACTURER'S INFORMATION. MINIMUM CIRCUIT AMPACITY AND OVERCURRENT PROTECTION TO BE DETERMINED BY CODE REQUIREMENTS AND/OR MANUFACTURER'S DIRECTIONS.

PLUMBING CONTRACTOR TO PROVIDE BACKFLOW PREVENTION DEVICE FOR ALL BEVERAGE EQUIPMENT, COOKING EQUIPMENT, DISHMACHINES, AND ICE MACHINES AS REQUIRED BY CODE

***GAS NOTE:
KITCHEN EQUIPMENT WILL BE PROVIDED WITH GAS PRESSURE REGULATORS DESIGNED TO OPERATE WITH 14" W.C. INCOMING GAS PRESSURE OR LESS. PLUMBER TO PROVIDE INTERMEDIATE REGULATORS, AS REQUIRED TO REDUCE INCOMING BUILDING PRESSURE TO LEVEL SUITABLE FOR EQUIPMENT.

ABBREVIATIONS

ABV.	ABOVE
A.F.F.	ABOVE FINISHED FLOOR
CTR.	COUNTER MOUNTED
C.W.	COLD WATER
E.C.	ELECTRICAL CONTRACTOR
F.D.	FLOOR DRAIN
F.S.	FLOOR SINK
F.S.E.C.	FOOD SERVICE EQUIPMENT CONTRACTOR
G.C.	GENERAL CONTRACTOR
H.W.	HOT WATER
I.W.	INDIRECT WASTE
M.C.	MECHANICAL CONTRACTOR
N.I.K.C.	NOT IN KITCHEN CONTRACT
S/S	STAINLESS STEEL
ST.	STUB
U.C.	UTILITY CHASE
W.	WASTE

C
B
A
N
KEY PLAN

MOSELEYARCHITECTS
11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC .COM

BID SET

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY, NORTH CAROLINA
FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373 | DATE: DECEMBER 12, 2023

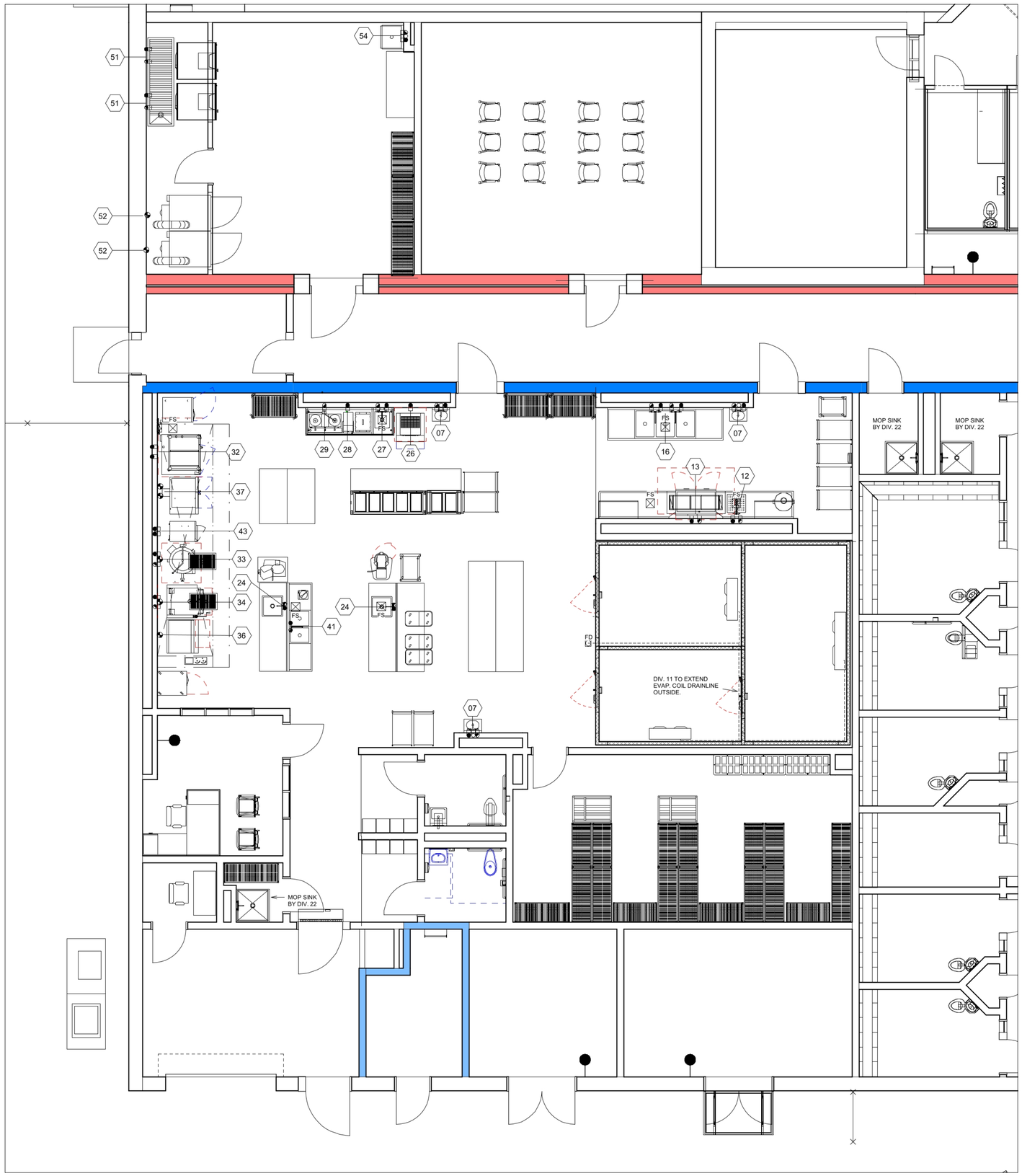
REVISIONS

DATE	DESCRIPTION

FOOD SERVICE EQUIPMENT SCHEDULE

FS.02

12/12/2023 3:01:07 PM



1 FS.03 FOOD SERVICE PLUMBING PLAN
1/4" = 1'-0"

MECHANICAL SYMBOLS	
	HOT WATER
	COLD WATER
FD	FLOOR DRAIN
FS	FLOOR SINK – OPEN
FS	FLOOR SINK W/HALF GRATE
	EXHAUST DUCT CONNECTION
	SUPPLY DUCT CONNECTION

PLUMBING ROUGHING IN NOTES

THIS PLAN IS INTENDED TO SHOW UTILITY REQUIREMENTS AND APPROXIMATE ROUGHING-IN LOCATIONS ONLY. DO NOT USE FOR ACTUAL ROUGHING-IN. FOR FINAL ROUGH-IN LOCATIONS SEE DIMENSIONED PLANS PROVIDED BY DIV. 11.

WHERE EXPOSED PIPES AND CONDUITS ARE NECESSARY, THEY SHOULD BE MOUNTED 1 TO 2 INCHES OFF THE WALL AND 6 INCHES OFF THE FLOOR TO ALLOW FOR CLEANING.

PLUMBING NOTES

PLUMBING TRIM SUCH AS FAUCETS AND SINK WASTES SHALL BE FURNISHED WITH EQUIPMENT BY DIV. 11. DIV. 22TO PROVIDE SERVICE, STOP VALVES, P-TRAPS, ETC., AND MAKE FINAL CONNECTIONS.

COLD STORAGE ASSEMBLY: EVAP. COIL DRAINLINES SHALL BE PROVIDED AND INSTALLED BY DIV. 11.

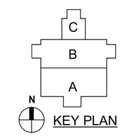
FIRE CONTROL SYSTEM: DIV. 11 TO FURNISH MECHANICAL GAS SOLENOID VALVE LOOSE FOR DIV. 22 TO INSTALL IN GAS SUPPLY LINE, LOCATED SO AS TO SHUT OFF ALL GAS TO COOKING EQUIPMENT WHEN ACTUATED.

GAS COOKING EQUIPMENT SHALL BE AGA APPROVED, FURNISHED WITH PRESSURE REGULATOR REQUIRED BY DIV. 11. DIV. 22 TO PROVIDE GAS PIPING WITH INDIVIDUAL SHUT-OFF VALVES FOR EACH EQUIPMENT CONNECTION AND MAKE FINAL CONNECTIONS.

MECHANICAL NOTES

EXHAUST HOOD SHALL BE FURNISHED BY DIV. 11 WITH CONNECTION COLLARS ON TOP. DIV. 26 TO PROVIDE EXHAUST FAN, BUILDING DUCTWORK AND MAKE FINAL CONNECTIONS.

DISHMACHINE SHALL BE FURNISHED BY DIV. 11 WITH VENT COWLS AND STAINLESS STEEL DUCTS TO CEILING, READY FOR FINAL CONNECTIONS BY DIV. 26.



KEY PLAN

MOSELEY ARCHITECTS
11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC .COM

BID SET

DUPLIN COUNTY DETENTION CENTER

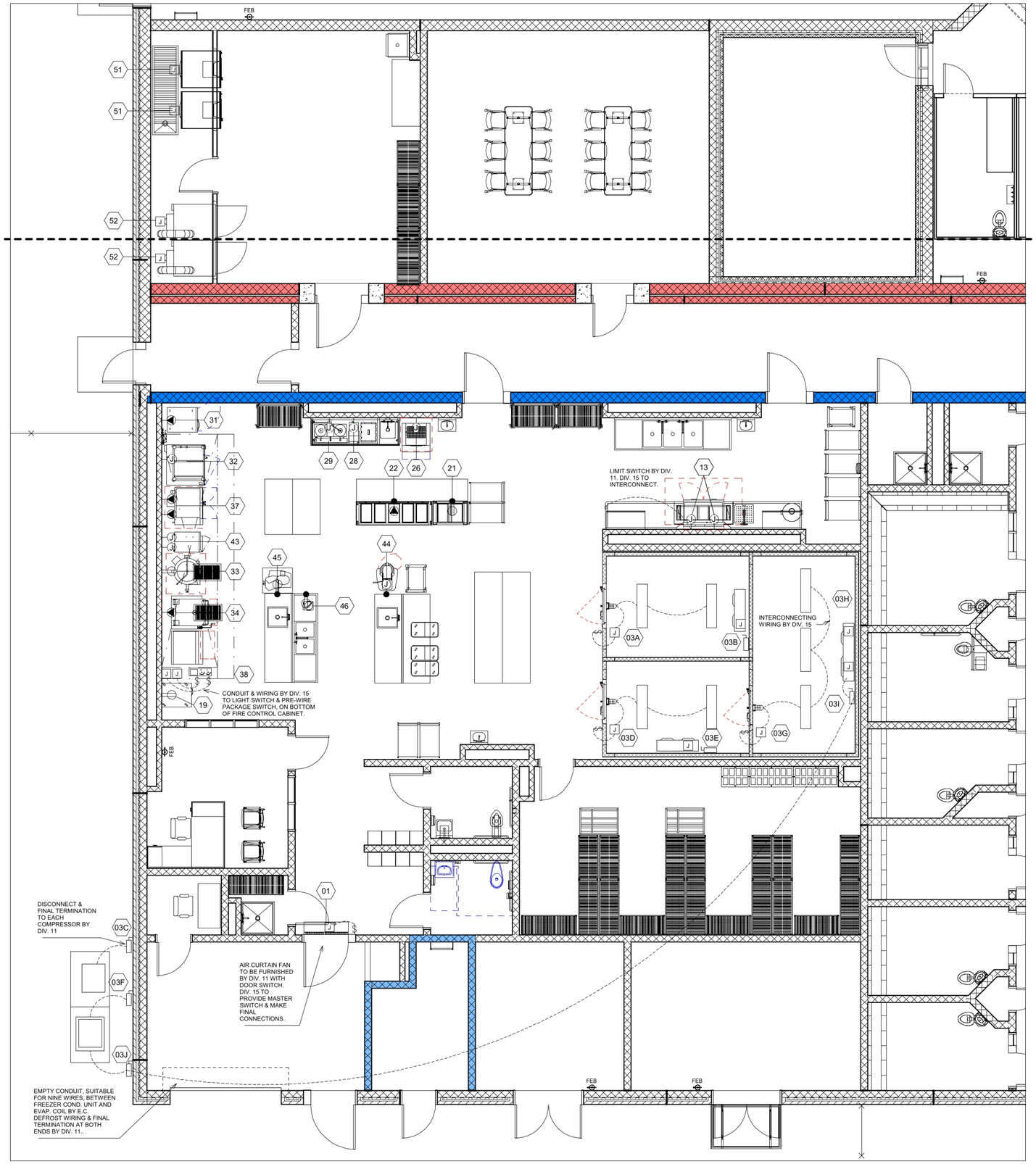
DHSR# - J-378
DUPLIN COUNTY, NORTH CAROLINA
FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

FOOD SERVICE PLUMBING PLAN

FS.03

12/12/2023 3:01:09 PM



1 FS.04 FOOD SERVICE ELECTRICAL PLAN
1/4" = 1'-0"

ELECTRICAL SYMBOLS

J	J-BOX, FLUSH IN WALL
J	J-BOX FROM ABOVE
	WATERPROOF CONDUIT STUB
	DUPLEX OUTLET
	CONVENIENCE OUTLET, UNASSIGNED
F	FLOOR MOUNTED OUTLET BY E.C.
	SPECIAL OUTLET TO MATCH EQUIPMENT
T	TABLE MOUNTED OUTLET (SEE DETAIL)

ELECTRICAL ROUGHING IN NOTES

THIS PLAN IS INTENDED TO SHOW UTILITY REQUIREMENTS AND APPROXIMATE ROUGHING-IN LOCATIONS ONLY. DO NOT USE FOR ACTUAL ROUGHING IN. FOR FINAL ROUGH-IN LOCATIONS SEE DIMENSIONED PLANS PROVIDED BY DIV. 11.

WHERE EXPOSED PIPES AND CONDUITS ARE NECESSARY, THEY SHOULD BE MOUNTED 1 TO 2 INCHES OFF THE WALL AND 6 INCHES OFF THE FLOOR TO ALLOW FOR CLEANING.

ELECTRICAL NOTES

EXHAUST HOODS FURNISHED BY DIV. 11 WITH LIGHT FIXTURES AND EMPTY CONDUIT TO J-BOX. DIV. 15 TO INTERCONNECT TO LIGHT SWITCH IN S/S UTILITY CHASE. SEE DETAIL XXXX.

EXHAUST HOOD FURNISHED WITH FAN PREWIRE PACKAGE. DIV. 15 TO INTERCONNECT TO SWITCH IN S/S UTILITY CHASE.

FIRE CONTROL SYSTEM FURNISHED BY DIV. 11 WITH MECHANICAL GAS SHUT-OFF FEATURE, DIV. 11 TO INTERCONNECT TO GAS SOLENOID VALVE, SO AS TO SHUT OFF GAS SUPPLY TO EQUIPMENT WHEN ACTUATED.

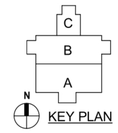
FIRE CONTROL SYSTEM FURNISHED BY DIV. 11 WITH APPLIANCE SHUT-OFF FEATURE. DIV. 15 TO INTERCONNECT TO SHUNT TRIPS PER MANUFACTURERS DIAGRAM, SO AS TO SHUT OFF ALL EQUIPMENT UNDER HOODS WHEN ACTUATED.

DISHMACHINE SHALL BE FURNISHED BY DIV. 11, PRE-WIRED TO INTEGRAL CONTROL PANEL READY FOR FINAL CONNECTION BY DIV. 15.

COLD STORAGE ROOMS SHALL BE FURNISHED BY DIV. 11 WITH PRE-WIRED LIGHT AND SWITCH AT DOOR PANEL. DIV. 15 TO PROVIDE INTERCONNECTING WIRING TO EXTRA LIGHT FIXTURES AND MAKE FINAL CONNECTIONS.

REFRIGERATION SYSTEMS SHALL BE FURNISHED AND INSTALLED BY DIV. 11, INCLUDING DEFROST WIRING BETWEEN COND. UNIT AND EVAP. COIL. FINAL POWER DROPS AND DISCONNECTS FOR COND. UNITS AND EVAP. COILS SHALL BE BY DIV 15.

AIR CURTAIN FAN TO BE FURNISHED BY DIV. 11 WITH DOOR SWITCH. DIV. 15 TO PROVIDE MASTER SWITCH & MAKE FINAL CONNECTIONS.



KEY PLAN

MOSELEY ARCHITECTS
11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC .COM

BID SET

DUPLIN COUNTY DETENTION CENTER

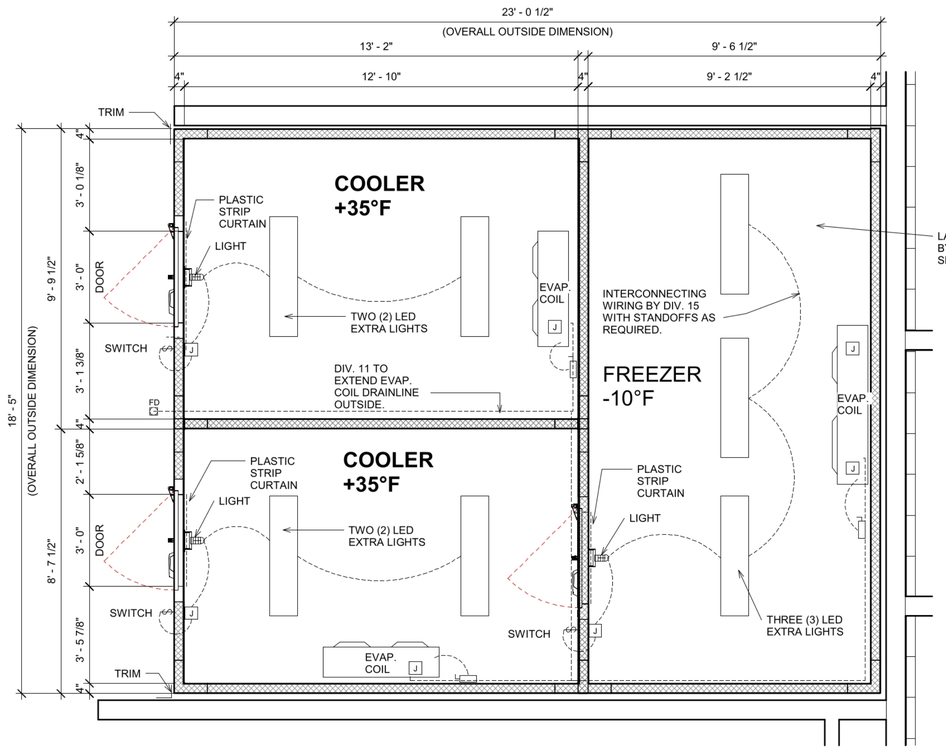
DHSR# - J-378
DUPLIN COUNTY, NORTH CAROLINA
FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

FOOD SERVICE ELECTRICAL PLAN

FS.04

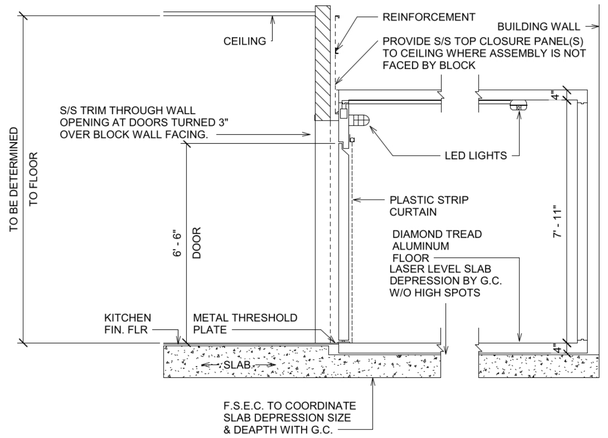
12/12/2023 3:01:10 PM



1 FS.05 COLD STORAGE ASSEMBLY PLAN
1/2" = 1'-0" ITEM 03

COLD STORAGE ASSEMBLY DATA							
COMPARTMENT	TEMP RANGE	DAILY BTU LOAD	LIGHTS WATTS	DOOR HEAT		VOLT	PHASE
COOLER	+35° F	7,911	200 W			120	1
FREEZER	-10° F	12,595	300 W	300 W		120	1

REFRIGERATION SYSTEMS									
AMBIENT TEMP.	RUN TIME	COND. UNIT			SUCTION TEMP	EVAP. COIL			
		MCA	VOLT	PHASE		AMP	VOLT	PHASE	DEFROST
100° F	16 HOURS	5.8	208	3	24.8° F	2.0	120	1	OFF-CYCLE
100° F	18 HOURS	17	208	3	-19.2° F	1.8	208	1	ELECTRIC



2 FS.05 COLD STORAGE ASSEMBLY SECTION
1/2" = 1'-0" ITEM 03

WALK-IN NOTES

EXTERIOR SURFACES
.040 PATTERNED ALUMINUM WITH 48" HIGH WAINSCOT ON EXPOSED SURFACES.

INTERIOR WALLS
.040 PATTERNED ALUMINUM WITH WHITE FINISH.

INTERIOR CEILING
.040 PATTERNED ALUMINUM WITH WHITE ENAMEL.

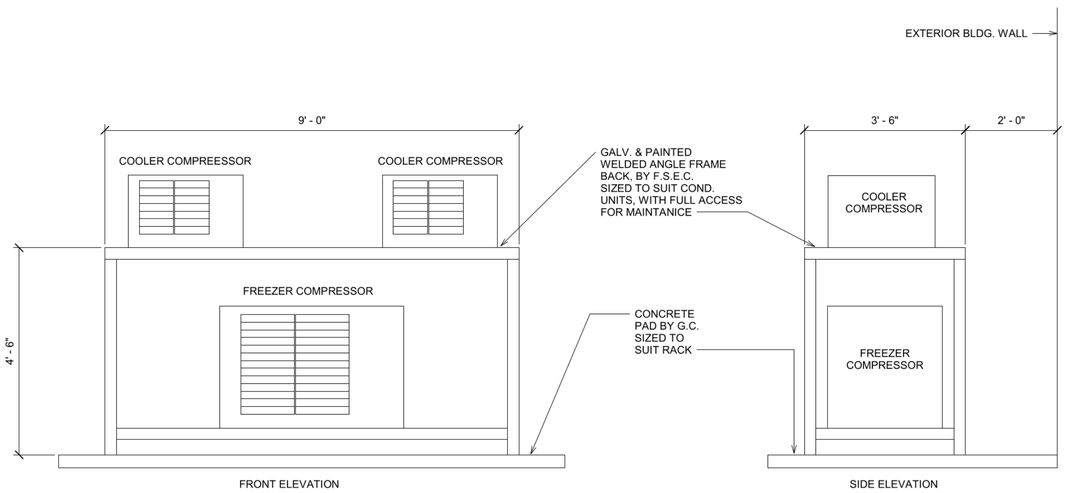
INTERIOR FLOOR
RECESSED INSULATED FLOOR BY F.S.E.C. WITH .100 DIAMOND TREAD ALUMINUM. 1200 LBS STRUCTURAL FLOOR.

DOORS
NOMINAL 36"x78" FINISHED TO MATCH EXTERIOR. CHROME PLATED HARDWARE; 1/8" DIAMOND TREAD KICK PLATE, 48" HIGH, BOTH SIDES.

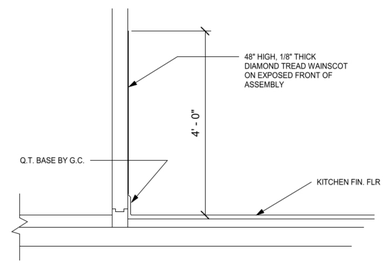
REFRIGERATION
AIR COOLED REMOTE CONDENSING UNITS WITH ALL WEATHER HOUSING, AND CONTROLS FOR OUTDOOR OPERATION.

MISCELLANEOUS
TRIM STRIPS, EVAPORATOR DRAIN LINES, DIAL THERMOMETERS, TOP CLOSURE PANELS, PLASTIC STRIP CURTAINS AND 1/8" DIAMOND TREAD WAINSCOT ACROSS FRONT OF ASSEMBLY.

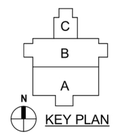
LIGHTS
MANUFACTURER TO FURNISH EXTRA LIGHT FIXTURES AS REQUIRED TO PROVIDE 50 FT. CANDLES 30" ABOVE FLOOR MINIMUM. F.S.E.C. TO INSTALL AND E.C. TO CONNECT.



3 FS.05 CONDENSING UNIT ELEVATION
NO SCALE



4 FS.05 WAINSCOT DETAIL
NO SCALE



MOSELEY ARCHITECTS
11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC .COM

BID SET

DUPLIN COUNTY DETENTION CENTER

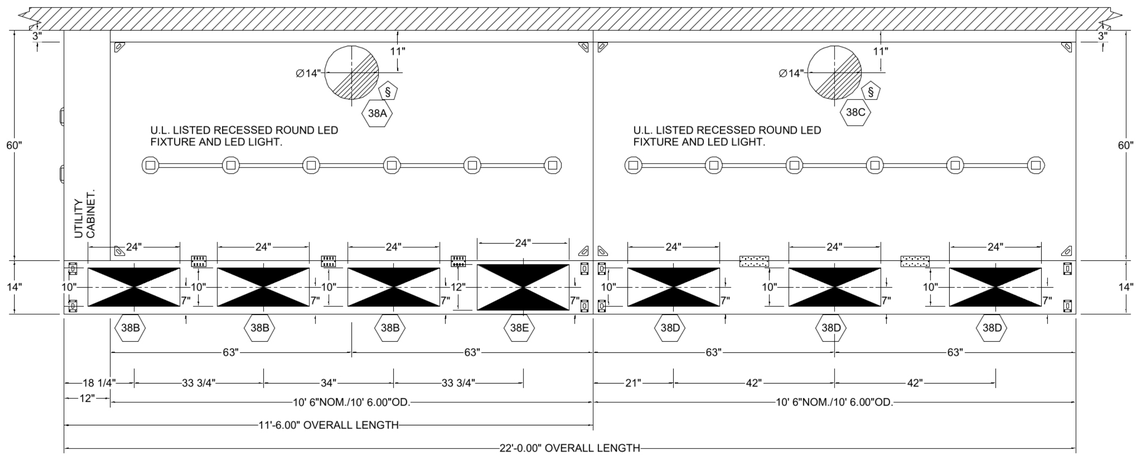
DHSR# - J-378
DUPLIN COUNTY, NORTH CAROLINA
FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 62137	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

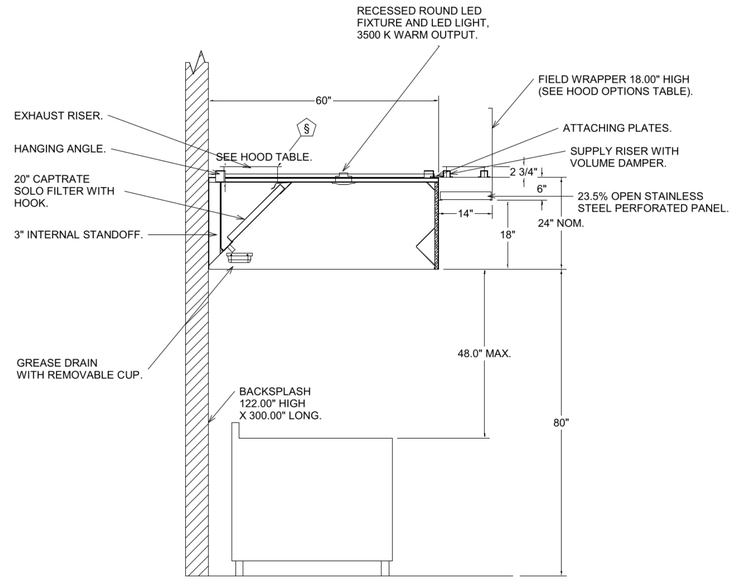
FOOD SERVICE
COLD STORAGE
DETAILS

FS.05

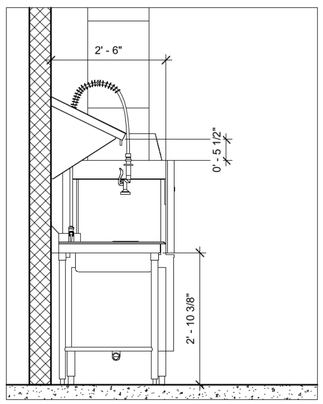
12/12/2023 3:01:10 PM



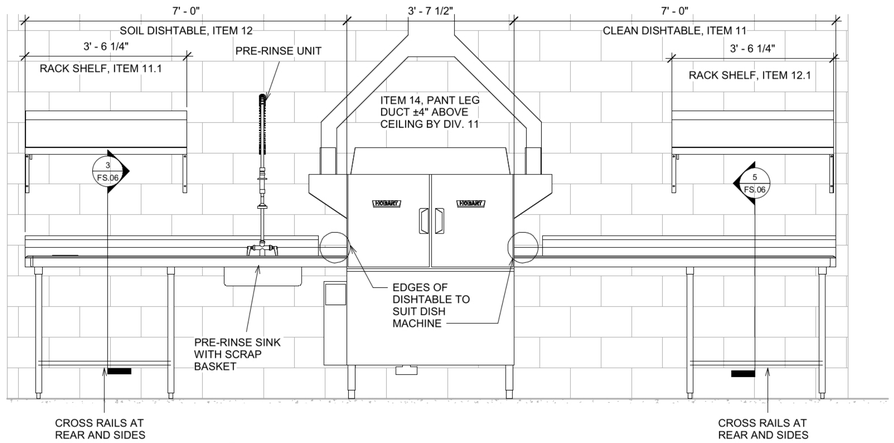
1 FS.06 EXHAUST HOOD PLAN
3/4" = 1'-0" ITEM 38



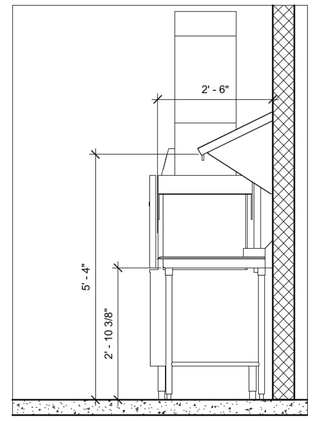
2 FS.06 EXHAUST HOOD SECTION
3/4" = 1'-0" ITEM 38



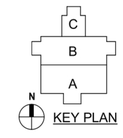
3 FS.06 SOILED DISHTABLE SECTION VIEW
3/4" = 1'-0"



4 FS.06 DISHTABLE ASSEMBLY ELEVATION VIEW
3/4" = 1'-0"



5 FS.06 CLEAN DISHTABLE SECTION VIEW
3/4" = 1'-0"



KEY PLAN

12/12/2023 3:01:11 PM

MOSELEY ARCHITECTS
11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC .COM

BID SET

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY, NORTH CAROLINA
FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

FOOD SERVICE EQUIPMENT DETAILS

FS.06

STRUCTURAL ABBREVIATIONS

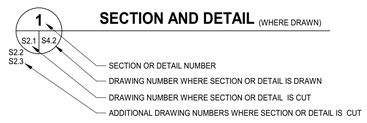
AB	ANCHOR BOLT	HSS	HOLLOW STRUCTURAL SECTION
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL	HT	HEIGHT
		ID	INSIDE DIAMETER
AFF	ABOVE FINISHED FLOOR	IN	INCH
ALUM	ALUMINUM	INFO	INFORMATION
APPROX	APPROXIMATE	INT	INTERIOR
ARCH	ARCHITECTURAL, ARCHITECT	JBE	JOIST BEARING ELEVATION
AVG	AVERAGE	JS	JOIST SUBSTITUTE
BLDG	BUILDING	JST	JOIST
BM	BEAM	JT	JOINT
BMC	BUILDING MOUNTED CANOPIES	K	KIP
BOT	BOTTOM	LBS	POUNDS
BRG	BEARING	LF	LINEAR FEET (FOOT)
BTWN	BETWEEN	LLH	LONG LEG HORIZONTAL
CANT	CANTILEVER	LLV	LONG LEG VERTICAL
CFSF	COLD FORMED STEEL FRAMING	M	METER(S)
CIP	CAST IN PLACE	MAS	MASONRY
CJ	CONTROL JOINT	MATL	MATERIAL
CLG	CEILING	MAX	MAXIMUM
CLR	CLEAR	MBMA	METAL BUILDING MANUFACTURER'S ASSOC
CMU	CONCRETE MASONRY UNIT		
COL	COLUMN	MBS	METAL BUILDING SYSTEM
CONC	CONCRETE	MECH	MECHANICAL
CONN	CONNECTION	MFR	MANUFACTURER
CONSTR	CONSTRUCTION	MIN	MINIMUM
CONT	CONTINUOUS	MM	MILLIMETER(S)
CTR	CENTER	NOM	NOMINAL
DBA	DEFORMED BAR ANCHOR	NS	NON SHRINK
DBL	DOUBLE	OC	ON CENTER
DIA	DIAMETER	OD	OUTSIDE DIAMETER
DIAG	DIAGONAL	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
DIM	DIMENSION		
DN	DOWN	OPNG	OPENING
DWG	DRAWING	OPP	OPPOSITE
EA	EACH	PAF	POWDER-ACTUATED FASTENERS
EF	EACH FACE	PC CONC	PRECAST CONCRETE
EJ	EXPANSION JOINT	PFBC	PRE-FABRICATED BUILDING COLUMN
EL	ELEVATION	PLF	POUNDS PER LINEAR FOOT
ELECT	ELECTRICAL	POLY	POLYETHYLENE
ELEV	ELEVATOR	PPT	PRESSURE PRESERVATIVE TREATED
EOD	EDGE OF DECK	PSF	POUNDS PER SQUARE FOOT
EOS	EDGE OF SLAB	PTFE	POLYTETRAFLUOROETHYLENE
EQ	EQUAL	R	RADIUS
EW	EACH WAY	RD	ROOF DRAIN
EX	EXISTING	REF	REFERENCE
EXP	EXPANSION	REINF	REINFORCING, REINFORCED
EXT	EXTERIOR	REQ'D	REQUIRED
FB	FIXED BASE	SIM	SIMILAR
FD	FLOOR DRAIN	SL	SLOPE
FDN	FOUNDATION	SOG	SLAB ON GRADE
FF	FINISHED FLOOR	SPA	SPACES
FIN	FINISHED	SS	STAINLESS STEEL
FLR	FLOOR	STD	STANDARD
FOB	FACE OF BRICK	STIFF	STIFFENER
FOC	FACE OF CONCRETE	STRUCT	STRUCTURAL
FOM	FACE OF MASONRY	SUSP	SUSPENDED
FRMG	FRAMING	SYM	SYMMETRY(RICAL)
FRT	FIRE RETARDANT TREATED	T&B	TOP AND BOTTOM
FT	FOOT	T&G	TONGUE AND GROOVE
FTG	FOOTING	TF	TRANSFER FORCE
GA	GAGE	TOC	TOP OF CONCRETE
GALV	GALVANIZED	TOS	TOP OF STEEL
GB	GRADE BEAM	TOSL	TOP OF SLAB
GC	GENERAL CONTRACTOR	TOW	TOP OF WALL
GRD	GRADE	TYP	TYPICAL
HD	HEADED	UNO	UNLESS NOTED OTHERWISE
HK	HOOK	VB	VAPOR BARRIER
HORIZ	HORIZONTAL	VERT	VERTICAL
HS	HIGH STRENGTH	VR	VAPOR RETARDER
		WP	WORK POINT
		WWF	WELDED WIRE FABRIC

PLAN LEGEND

℄	CENTERLINE
JBE (+X'-X")	JOIST BEARING ELEVATION
BP1, BP2 ...	BEAM BEARING PLATE
BP-A, BP-B ...	COLUMN BASE PLATE
P-1, P-2 ...	CONCRETE PIER
JS	JOIST SUBSTITUTE
KCS	CONSTANT SHEAR JOIST
SP	SPECIAL JOIST
	WALL FOOTING STEP
-X'-X"	TOP OF FOOTING ELEVATION
WP	WORK POINT
(X'-X")	TOP OF SLAB ELEVATION
L1, L2 ...	LINTEL
X.X	COLUMN FOOTING
(+X'-X")	TOP OF STEEL BEAM ELEVATION
(J)	INDICATES TOP OF STRUCTURAL MEMBER SHALL BE IN SAME PLANE AS TOP OF JOIST
(SL)	INDICATES TOP OF STRUCTURAL MEMBER SHALL BE SLOPED
WFX.X	WALL FOOTING
	THICKENED SLAB
*	STEEL JOIST BOTTOM CHORD EXTENSION, WELDED
	STEEL BEAM MOMENT CONNECTION
(EX)	EXISTING
#5@48"	CMU WALL REINFORCING SIZE AND SPACING
	CHANGE IN SLAB ELEVATION

LEGEND FOR SECTION AND DETAIL MARKS

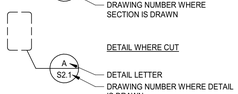
SECTION AND DETAIL (WHERE DRAWN)



SECTION WHERE CUT



DETAIL WHERE CUT



DESIGN LOAD DATA

1. CLASSIFICATION OF BUILDING — RISK CATEGORY (IBC TABLE 1604.5): III

2. FLOOR LIVE LOADS

	UNIFORM	CONCENTRATED
TIER LEVEL FLOOR	50 PSF	2000 LB
TIER LEVEL CELL WALKWAY	100 PSF	
OFFICES	50 PSF	2000 LB
LIGHT STORAGE	125 PSF	
CELLS	40 PSF	
CORRIDORS (CORRECTIONAL FACILITY)	100 PSF	
STAIRS	100 PSF	

CONCENTRATED LOAD APPLIED OVER 2'-6" x 2'-6" AREA.

REDUCTION OF FLOOR LIVE LOAD HAS NOT BEEN UTILIZED.

3. ROOF LIVE LOADS

MINIMUM ROOF LIVE LOAD	20 PSF	300 LB

CONCENTRATED LOAD APPLIED OVER 2'-6" x 2'-6" AREA.

REDUCTION OF MINIMUM ROOF LIVE LOAD HAS NOT BEEN UTILIZED.

4. ROOF SNOW LOAD

GROUND SNOW LOAD (Pg)	10 PSF
IMPORTANCE FACTOR (Is)	1.1
EXPOSURE FACTOR (Ce)	1.0
THERMAL FACTOR (Ct)	1.0
FLAT ROOF SNOW LOAD (Pf = 0.7 x Ce x Ct x Is x Pg)	7.7 PSF
MINIMUM Pf FOR Pg = 20 PSF OR LESS	
Pf min = I x Pg	11 PSF
SLOPED ROOF SNOW LOAD (Ps = Cs x Pf)	7.7 PSF
SNOW DRIFTING LOADS	PER ASCE 7

5. WIND DESIGN DATA

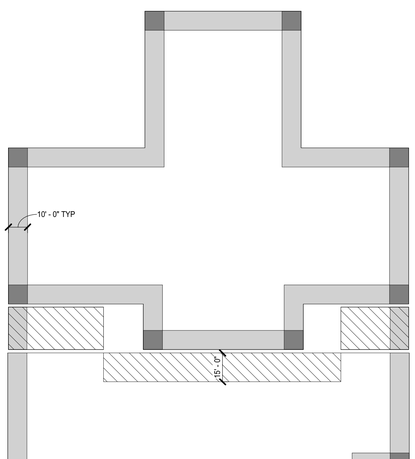
ULTIMATE DESIGN WIND SPEED (3 SECOND GUST)	140 MPH
NOMINAL DESIGN WIND SPEED (3 SECOND GUST)	108 MPH
EXPOSURE	C
INTERNAL PRESSURE COEFFICIENT (GCpi)	±0.18 (ENCLOSED)
COMPONENTS AND CLADDING WIND PRESSURE	PER IBC & ASCE7

6. SEISMIC DESIGN DATA

SEISMIC DESIGN CATEGORY	B
SEISMIC IMPORTANCE FACTOR (Ie)	1.25
SITE CLASS	D
MAPPED SPECTRAL RESPONSE ACCELERATIONS	
(Ss)	0.173
(S1)	0.080
DESIGN SPECTRAL RESPONSE ACCELERATIONS	
(Sds)	0.185
(Sd1)	0.128
BASIC SEISMIC FORCE RESISTING SYSTEM:	B. BUILDING FRAME SYSTEM 1. INTERMEDIATE REINFORCED MASONRY SHEAR WALLS
RESPONSE MODIFICATION COEFFICIENT (R)	3.5
SYSTEM OVERSTRENGTH FACTOR	2.5
DEFLECTION AMPLIFICATION FACTOR	2.25
SEISMIC RESPONSE COEFFICIENT (Cs)	0.066
DESIGN BASE SHEAR (V = Cs x W)	0.066W
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE PROCEDURE
SEISMIC DESIGN BASE SHEAR (DESIGN LEVEL)	$V_{BASE\ BID}$ = 190 KIPS $V_{ADD\ ALT.}$ = 220 KIPS

WIND PRESSURES USED IN THE DESIGN OF COMPONENTS AND CLADDING

CLADDING TYPE	ZONE	EXTERNAL PRESSURE, PSF AT TRIBUTARY AREAS INDICATED, SQ FT			
		10	20	50	100
ROOF	1A	+20 / -48	+19 / -47	+17 / -45	+16 / -44
ROOF	1B	+44 / -48	+42 / -47	+40 / -45	+38 / -44
ROOF	2A	+20 / -80	+19 / -71	+17 / -60	+16 / -52
ROOF	2B	+44 / -80	+42 / -71	+40 / -60	+38 / -52
ROOF	3	+20 / -121	+19 / -100	+17 / -73	+16 / -52
WALL	4	+44 / -48	+42 / -46	+40 / -43	+38 / -41
WALL	5	+44 / -58	+42 / -55	+40 / -50	+38 / -46



ROOF WIND PRESSURE DIAGRAM

NO SCALE

ROOF WIND PRESSURE DIAGRAM NOTES:

1. PRESSURES INDICATED ARE ULTIMATE DESIGN VALUES.
2. EFFECTIVE WIND AREA SHALL BE DETERMINED IN ACCORDANCE WITH ASCE 7.
3. BUILDING ZONES ARE DEFINED IN ASCE 7.
4. ROOF IS ZONE 1A, UNLESS OTHERWISE INDICATED.
5. ZONE 1B IS INDICATED BY:
6. ZONE 2A IS INDICATED BY:
7. ZONE 2B IS INDICATED BY:
8. ZONE 3 IS INDICATED BY:
9. INTERIOR REGIONS OF WALLS ARE ZONE 4 AND END REGIONS OF WALLS ARE ZONE 5.
10. (+) INDICATES PRESSURES ACTING TOWARDS SURFACE.
    (-) INDICATES PRESSURES ACTING AWAY FROM SURFACE.
11. ROOF DEAD LOAD SHALL BE TAKEN AS 10 PSF FOR UPLIFT RESISTANCE.
12. EDGE STRIP (a) = 10 FEET.

GENERAL

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NORTH CAROLINA BUILDING CODE (NCBC), 2018 EDITION.
2. THE STRUCTURAL DRAWINGS ARE INTENDED TO BE USED IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS AND THE DRAWINGS OF THE OTHER ENGINEERING DISCIPLINES.
3. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUANTITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.
4. VERIFY AND COORDINATE MECHANICAL UNIT SUPPORTS AND OPENINGS WITH EQUIPMENT PURCHASED FOR THE PROJECT. COORDINATE REQUIREMENTS FOR SLEEVES, HANGERS, INSERTS, ANCHORS AND ALL OTHER ITEMS TO BE SET IN STRUCTURAL WORK.

   SPECIAL INSPECTIONS ARE REQUIRED BY THE NCBC, SECTION 1704.
   REFER TO THE STATEMENT OF SPECIAL INSPECTIONS PREPARED FOR THIS PROJECT AND THE PROJECT SPECIFICATIONS FOR SPECIFIC INSPECTION REQUIREMENTS.
   REFER TO SPECIFICATION SECTION 014000 FOR GENERAL INSPECTION REQUIREMENTS. SPECIAL INSPECTOR SHALL SUBMIT INSPECTION REPORTS IN COMPLIANCE WITH IBC SECTION 1704.2.4. USE OF "GENERAL CONFORMANCE" OR "GENERAL ACCORDANCE" IS UNACCEPTABLE.
6. CONTRACTOR SHALL CONDUCT PRE-INSTALL MEETINGS ON PROJECT SITE PRIOR TO COMMENCEMENT OF WORK. REFER TO PROJECT SPECIFICATIONS FOR SPECIFIC REQUIREMENTS. GENERAL CONTRACTOR WILL CONDUCT THE MEETING AND SHALL BE RESPONSIBLE FOR THE ATTENDANCE OF ALL REQUIRED TRADES AND SUBCONTRACTORS INCLUDING THE SPECIAL INSPECTOR.

FOUNDATIONS

1. FOUNDATIONS ARE DESIGNED TO BEAR ON ORIGINAL UNDISTURBED SOIL OR CONTROLLED COMPACTED FILL WITH AN ALLOWABLE BEARING CAPACITY OF 2,500 PSF, IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEERING REPORT PREPARED BY S&ME, INC. DATED JUNE 27,2023.
2. THE GEOTECHNICAL ENGINEER FOR THE OWNERS TESTING AGENCY SHALL VERIFY BEARING CAPACITY AND SUITABILITY OF SUBGRADE PRIOR TO PLACING FOUNDATIONS AND GRADE SLABS.
3. SELECT AND PLACE CONTROLLED COMPACTED FILL UNDER DIRECT SUPERVISION OF THE GEOTECHNICAL ENGINEER FOR THE OWNERS TESTING AGENCY.
4. FOOTING STEPS FOR UNDERSLAB UTILITIES INDICATED ON FOUNDATION PLANS SHALL BE CONSIDERED APPROXIMATE. COORDINATE FOOTINGS WITH ACTUAL LOCATION, SIZE AND INVERT OF ALL UNDERGROUND PIPE (AND CONDUIT). REFER TO "FOOTING STEP" DETAIL TO STEP WALL FOOTING DOWN TO ALLOW UNDERSLAB PIPING TO PASS ABOVE THE FOOTING. ALTERNATELY, REFER TO "FOOTING SLEEVE" AND "PIPE TRENCH BACKFILL AT FOOTING" DETAILS TO ALLOW UNDERSLAB PIPING TO PASS BELOW THE TOP OF THE WALL FOOTING.
5. AVOID INFLUENCE OF PIPE TRENCH PARALLEL TO WALL FOOTING AND / OR ADJACENT TO COLUMN FOOTING. REFER TO "FOOTING EXCAVATION LIMITS".
6. PROTECT FOOTINGS AND GRADE SLABS FROM FROST HEAVE UNTIL BUILDING IS PERMANENTLY ENCLOSED.
7. BRACE WALLS PLUMB WHICH ARE SUBJECTED TO UNBALANCED BACKFILL UNTIL PERMANENTLY STABILIZED BY STRUCTURE.

CONCRETE

1. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" AND ACI 301 "STANDARD SPECIFICATIONS FOR STRUCTURAL CONCRETE".
2. CONCRETE SHALL BE NORMAL WEIGHT AND SHALL OBTAIN ULTIMATE 28 DAY COMPRESSIVE STRENGTHS (f'_c), AS FOLLOWS:

CONCRETE MATERIAL SCHEDULE (NOTE 11)

BUILDING ELEMENT	DURABILITY REQUIREMENTS CATEGORIES AND CLASSES (NOTE 3)				f'c (psi) 28 DAY STRENGTH	MAX W/C (NOTE 4)	AIR ENTRAINMENT (NOTE 5)	UNIT WEIGHT PCF (NOTE 6)	MAX AGGREGATE (NOTE 7 & 9)	CEMENT (ASTM C150)	CL % (NOTE 10)
	(F)	(S)	(W)	(C)							
SPREAD FOOTINGS AND WALL FOOTINGS	F0	S0	W0	C1	3,500	0.55	4.5	145	1 1/2"	II	0.30
INTERIOR SLABS ON GRADE	F0	S0	W0	C0	3,500	0.50	NOTE 8	145	3/4"	I / II	0.30
INTERIOR COLUMNS, WALLS AND PIERS	F1	S0	W0	C1	4,000	0.50	5.0	145	3/4"	I / II	0.30
EXTERIOR SLABS ON GRADE	F1	S0	W1	C1	3,500	0.55	5.0	145	3/4"	I / II	0.30
ELEVATED SLABS AND BEAMS	F0	S0	W0	C0	4,000	0.50	NOTE 8	145	3/4"	I / II	1.0

3. THE DURABILITY EXPOSURE CLASS IDENTIFIED BY THE ENGINEER OF RECORD, IN ACCORDANCE WITH ACI 318, FOR EACH MIX DESIGN/BUILDING ELEMENT AND EXPOSURE CLASS, IS BASED ON ASSUMED SEVERITY OF THE ANTICIPATED EXPOSURE. IF THE CONCRETE IS TO BE INSTALLED IN A LOCATION OR CONDITION THAT IS MORE SEVERE THAN THE EXPOSURE IDENTIFIED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR ADJUST THE CONCRETE MIX REQUIREMENTS AS REQUIRED PER ACI 318.
   A. EXPOSURE CATEGORIES:
      - (F) FREEZE/THAW
      - (S) SULFATE
      - (W) WATER/PERMEABILITY
      - (C) CORROSION PROTECTION
4. MAX W/C REFERS TO MAXIMUM WATER TO CEMENTITIOUS MATERIALS RATIO. MIXING WATER SHALL CONFORM TO ASTM C1602.
5. TARGET AIR ENTRAINMENT, ±1.5%. ALL EXTERIOR CONCRETE SHALL BE AIR-ENTRAINED. AIR ENTRAINMENT IS OPTIONAL FOR FOOTINGS AND GRADE BEAMS NOT EXPOSED TO FREEZING.
6. DRY UNIT WEIGHT ±5 PCF. AGGREGATES TO CONFORM TO ASTM C33 FOR NORMAL WEIGHT CONCRETE (NWC) AND ASTM C330 FOR LIGHT WEIGHT CONCRETE (LWC).
7. CONCRETE BUILDING ELEMENTS IDENTIFIED WITH EXPOSURE CATEGORY F3 REQUIRE LIMITATIONS ON CEMENTITIOUS MATERIALS AS FOLLOWS:

CEMENTITIOUS MATERIAL	MAX % OF TOTAL CEMENTITIOUS MATERIALS BY MASS
FLY ASH (ASTM C618)	25
SLAG CEMENT (ASTM C989)	50
SILICA FUME (ASTM C1240)	10
TOTAL FLY ASH, OTHER POZZOLANS AND SILICA FUME	35
TOTAL FLY ASH, OTHER POZZOLANS, SILICA FUME AND SLAG	50

8. SLABS NOT RECEIVING A HARD TROWEL FINISH MAY BE AIR-ENTRAINED. SLABS RECEIVING A HARD TROWEL FINISH SHALL NOT BE AIR-ENTRAINED AND SHALL HAVE A TOTAL AIR CONTENT OF NOT MORE THAN 3%.
9. COMBINED AGGREGATE GRADING SHALL BE AS FOLLOWS:
   - FOR COARSE AGGREGATE WITH 1 1/2" NOMINAL MAXIMUM AGGREGATE SIZE, 8% TO 18% (BY WEIGHT) OF AGGREGATE SHALL BE RETAINED ON EACH SIEVE BELOW THE MAXIMUM AGGREGATE SIZE SIEVE AND ABOVE THE #100 SIEVE.
   - FOR COARSE AGGREGATE WITH 3/4" OR 1" NOMINAL MAXIMUM AGGREGATE SIZE, 8% TO 22% (BY WEIGHT) OF AGGREGATE SHALL BE RETAINED ON EACH SIEVE BELOW THE MAXIMUM AGGREGATE SIZE SIEVE AND ABOVE THE #100 SIEVE.
10. MAX WATER SOLUBLE CHLORIDE ION CONTENT PERCENTAGE, BY WEIGHT OF CEMENT.
11. CONCRETE MIXTURE PROPORTIONS SHALL BE ESTABLISHED IN ACCORDANCE WITH ARTICLE 4.2.3 OF ACI 301 OR BY AN ALTERNATIVE METHOD ACCEPTABLE TO THE ENGINEER OF RECORD. EACH MIX DESIGN SHALL IDENTIFY THE INTENDED LOCATION OF USE.
12. REINFORCING STEEL SHALL BE AS FOLLOWS:

REINFORCING BARS:	ASTM A615, GRADE 60, DEFORMED
WELDED WIRE FABRIC:	ASTM A1064, SHEET TYPE ONLY
WELDABLE REINFORCING BARS:	ASTM A706 LOW ALLOW STEEL REINFORCING BARS, DEFORMED
DEFORMED BAR ANCHORS (DBA)	ASTM A1064, DEFORMED
WELDING PER AWS D1.4 STRUCTURAL WELDING CODE - REINFORCING STEEL	

13. MINIMUM CONCRETE COVER OVER REINFORCING SHALL BE UNO:

A. UNFORMED SURFACE CAST AGAINST EARTH	3 IN
B. FORMED SURFACE EXPOSED TO EARTH/WEATHER	2 IN
C. FORMED SLABS AND WALLS NOT EXPOSED TO EARTH/WEATHER FOR #11 AND SMALLER BAR	3/4 IN
D. ALL OTHER FORMED ELEMENTS NOT EXPOSED TO EARTH/WEATHER	1 1/2 IN

FLOWABLE FILL

1. CONTROLLED LOW STRENGTH MATERIAL (CLSM), ALSO REFERRED TO AS FLOWABLE FILL, MAY BE SUBMITTED FOR APPROVAL AS A SUBSTITUTE FOR COMPACTED FILL AT FOUNDATION UNDERCUT LOCATIONS. THE CLSM MIXTURE SHALL BE PROPORTIONED TO PRODUCE AN UNCONFINED COMPRESSIVE STRENGTH OF 100 PSI MINIMUM TO 300 PSI MAXIMUM.

ACI 318 LAP LENGTHS

SPLICES IN THE REINFORCING STEEL SHALL BE ONLY AT THE LOCATIONS SHOWN ON THE STRUCTURAL DRAWINGS. LAP SPLICES SHALL BE IN ACCORDANCE WITH ACI 318 CHAPTER 25 AS INDICATED BELOW. TOP BAR LAPS (HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE CAST BELOW THE BAR) SHALL BE MODIFIED BY A MULTIPLICATION OF 1.3 TIMES THE LENGTHS LISTED IN THE TABLE BELOW. LENGTHS INDICATED IN INCHES.

NORMAL-WEIGHT (145 PCF)

f'c (psi)	#3	#4	#5	#6	#7	#8	#9
3000	21	28	36	43	62	71	80
3500	20	26	33	40	58	66	74
4000	18	25	31	37	54	62	69
5000	17	22	28	33	48	55	62

LIGHTWEIGHT (110 PCF)

f'c (psi)	#3	#4	#5	#6	#7	#8	#9
3000	28	38	47	57	83	95	107
3500	26	35	44	53	77	88	99
4000	25	33	41	49	72	82	92
5000	22	29	37	44	64	74	83

COLD FORMED STEEL FRAMING

1. ALL STRUCTURAL COLD FORMED STEEL FRAMING (CFSF) SHALL COMPLY WITH AISI'S "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".
2. CFSF-S (STRUCTURAL): INCLUDES ALL EXTERIOR WALLS, SOFFITS, BULKHEADS, TRUSSES, RAFTERS, JOISTS AND CEILING JOISTS (IF SELF-SUPPORTING), PROVIDE ENGINEERING DESIGN OF ALL CFSF-S, AND SUBMIT DESIGN CALCULATIONS, ERECTION DRAWINGS AND DETAIL DRAWINGS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NORTH CAROLINA. REFER TO SECTION 054000 FOR ADDITIONAL INFORMATION.
3. CFSF-NS (NON-STRUCTURAL): INCLUDES INTERIOR NON-LOAD BEARING STUD WALLS AND SUSPENDED CEILING FRAMING SYSTEM. REFER TO SECTION 092216 FOR ADDITIONAL INFORMATION.
4. ALL FRAMING MEMBERS, BRIDGING AND ACCESSORIES SHALL BE FORMED FROM STEEL SHEET HAVING A GALVANIZED COATING IN ACCORDANCE WITH ASTM A653.
5. ALL C - SHAPED FRAMING MEMBERS SHALL HAVE A MINIMUM FLANGE WIDTH OF 1 5/8 INCHES.
6. MINIMUM YIELD STRENGTH SHALL BE AS FOLLOWS:

FY = 33,000 PSI	33 MILS AND 43 MILS
FY = 50,000 PSI	54 MILS, 68 MILS AND 97 MILS

STRUCTURAL MATERIALS LEGEND

- EARTH
- CAST IN PLACE CONCRETE
- CLAY BRICK
- HOLLOW CONCRETE BLOCK
- SPLIT-FACE CONCRETE BLOCK
- GROUT FILLED CONCRETE BLOCK
- PRECAST CONCRETE, CAST STONE
- POROUS FILL OR GRANULAR BASE COURSE

FIBER REINFORCING

1. SYNTHETIC MACRO-FIBER MAY BE SUBSTITUTED FOR WELDED WIRE FABRIC IN SLAB-ON-GRADE, AND SHALL CONFORM TO ASTM C1116, TYPE III SYNTHETIC FIBER REINFORCED CONCRETE. DOSAGE RATES SHALL BE DETERMINED BY FIBER MANUFACTURER TO PROVIDE FRC EQUIVALENT FLEXURAL STRENGTH (FE,3;EQUAL TO THE PERFORMANCE OF THE REINFORCING STEEL INDICATED FOR EACH SLAB CASE. TESTING SHALL BE PERFORMED IN ACCORDANCE WITH ASTM C1609. DOSAGE SHALL NOT BE LESS THAN 3 LB PER CU YD IN ANY CASE.
2. FIBER SHALL BE ADDED AT THE CONCRETE BATCH PLANT.
3. FIBER SHALL BE INCLUDED IN THE CONCRETE MIX DESIGNS SUBMITTED FOR REVIEW.

STEEL DECK

1. ALL STEEL DECK WORK SHALL CONFORM TO THE LATEST EDITION OF THE STEEL DECK INSTITUTE (SDI) "DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS AND ROOF DECKS", AND AMERICAN IRON AND STEEL INSTITUTE (AISI) "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS".
2. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3, "STRUCTURAL WELDING CODE - SHEET STEEL".
3. PERMANENT LOADS SHALL NOT BE SUSPENDED FROM STEEL ROOF DECK UNLESS APPROVED BY ENGINEER OF RECORD.
4. STEEL DECK UP TO 2" DEEP SHALL BE INSTALLED WITH A MINIMUM OF 3 CONTINUOUS SPANS, UNLESS NOTED OTHERWISE. STEEL DECK 3" DEEP OR GREATER SHALL BE INSTALLED WITH A MINIMUM OF 2 CONTINUOUS SPANS, UNLESS NOTED OTHERWISE. ANY LOCATIONS NOT MEETING THESE CONDITIONS SHALL BE SPECIFICALLY IDENTIFIED ON THE STEEL DECK SHOP DRAWINGS.
5. REFER TO "STEEL DECK SCHEDULE" FOR DECK TYPES AND FASTENING REQUIREMENTS.

STEEL JOISTS

1. ALL STEEL JOIST WORK SHALL CONFORM TO THE LATEST EDITION OF THE STEEL JOIST INSTITUTE (SJI) STANDARD SPECIFICATIONS.
2. STEEL JOISTS SHALL BE DESIGNED USING ALLOWABLE STRENGTH DESIGN (ASD), AND SHALL BE MANUFACTURED WITH STEEL HAVING A MINIMUM YIELD STRENGTH OF 50 KSI.
3. PROVIDE JOIST BRIDGING IN ACCORDANCE WITH SJI SPECIFICATIONS, OSHA REQUIREMENTS, AND AS REQUIRED BY JOIST DESIGN.
4. ROOF JOISTS AND BRIDGING SHALL BE DESIGNED FOR A NET UPLIFT INDICATED ON 'ROOF WIND PRESSURE DIAGRAM'. REFER TO 'ROOF WIND PRESSURE DIAGRAM' ON THIS DRAWING.
5. SPECIAL JOISTS, INDICATED "SP" ON FRAMING PLANS, SHALL BE DESIGNED FOR CRITERIA INDICATED.
6. DETAILING AND ERECTION OF OPEN WEB STEEL JOISTS SHALL COMPLY WITH OSHA REQUIREMENTS.
7. STEEL ROOF JOISTS SHALL BE PROVIDED WITH NO CAMBER.
8. DESIGN ALL JOISTS (K, KCS, LH) FOR A 500 LB CONCENTRATED ADD-LOAD (SERVICE LOAD) AT ANY ONE PANEL POINT ALONG THE JOIST, UNLESS NOTED OTHERWISE.
9. K-SERIES JOISTS SHALL BE DESIGNED FOR ADDITIONAL BENDING STRESSES RESULTING FROM A 200 POUND CONCENTRATED BEND-CHECK LOAD LOCATED AT ANY LOCATION ALONG TOP AND BOTTOM CHORD IN ADDITION TO ALL OTHER LOADS.
10. KCS AND LH SERIES JOISTS SHALL BE DESIGNED FOR ADDITIONAL BENDING STRESSES RESULTING FROM A 500 POUND CONCENTRATED BEND-CHECK LOAD LOCATED AT ANY LOCATION ALONG TOP AND BOTTOM CHORD IN ADDITION TO ALL OTHER LOADS.
11. REFER TO "TYPICAL LOAD SUPPORTED FROM JOIST" DETAIL FOR REQUIREMENTS REGARDING PIPE HANGERS AND OTHER EQUIPMENT LOADS.
12. STEEL JOISTS EXPOSED TO WEATHER IN THE FINISHED WORK SHALL BE PAINTED WITH A ZINC RICH TNEMEC PAINT THAT MEETS THE REQUIREMENTS OF ASTM D 520 TYPE III.
13. COORDINATE SUPPORT OF SPRINKLER PIPING, INCLUDING MAINS, WITH JOIST MANUFACTURER. SPRINKLER MANUFACTURER SHALL OBTAIN A LETTER FROM THE JOIST MANUFACTURER VERIFYING THAT THE PIPE HANGER LOCATION AND LOADS HAVE BEEN PROVIDED FOR THEIR USE. THIS LETTER SHALL BE SUBMITTED TO THE ARCHITECT WITH THE SPRINKLER SUBMITTAL PACKAGE. IF LOCATIONS OF THE MAINS ARE ALTERED FROM THE INFORMATION PROVIDED BY THE SPRINKLER MANUFACTURER TO THE JOIST MANUFACTURER, ADDITIONAL FRAMING SHALL BE ADDED TO PROVIDE ADEQUATE SUPPORT FOR THE PIPING LOADS AT NO COST TO THE OWNER.

STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE FOLLOWING AISC DOCUMENTS:
   AISC 360 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS"
   AISC 303 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES"
   RCSC'S "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS"
2. STRUCTURAL STEEL SHALL COMPLY WITH THE FOLLOWING SPECIFICATIONS:

WIDE FLANGE SHAPES AND ANGLES	ASTM A992 (FY=50 KSI)
MISCELLANEOUS SHAPES, PLATES & BARS (TO 8" THICK)	ASTM A36 (FY=36 KSI)
HOLLOW STRUCTURAL SECTIONS (HSS)	
SQUARE & RECTANGLE	ASTM A500, GRADE C (FY=50 KSI)
ROUND	ASTM A500 GRADE C (FY=46 KSI)
HIGH STRENGTH BOLTS (CONVENTIONAL)	ASTM F3125 GRADE A325 OR A490 (TYPE 1)
WASHERS	ASTM F436 (FLAT AND BEVELED)
HEAVY HEX NUTS	ASTM A563
ANCHOR RODS	ASTM F1554, GRADE 55 INCLUDE SUPPLEMENT S1
WELDING ELECTRODES	E70 (LOW HYDROGEN)
HEADED SHEAR STUDS	AWS D1.1 CLAUSE 9, TYPE B (FY=51 KSI)

3. UNLESS NOTED OTHERWISE, CONNECTIONS SHALL BE DESIGNED IN ACCORDANCE WITH AISC MANUAL OF STEEL CONSTRUCTION, AS SIMPLE CONNECTIONS USING ALLOWABLE STRENGTH DESIGN (ASD). CONNECTIONS FOR BEAMS SHALL BE DESIGNED FOR THE UNIFORM LOAD CAPACITY INDICATED IN THE ALLOWABLE UNIFORM LOAD TABLES, PART 3, OF THE AISC MANUAL.
4. UNLESS NOTED OTHERWISE, THE TOP OF ALL STEEL COLUMNS SHALL HAVE A STEEL CAP PLATE WITH A MINIMUM THICKNESS OF 1/2". CAP PLATE DIMENSIONS SHALL MATCH COLUMN WIDTH AND DEPTH MINIMUM. WHERE JOISTS BEAR ON COLUMN, COORDINATE BEARING REQUIREM

SCHEDULE OF SPECIAL INSPECTIONS
2018 NORTH CAROLINA BUILDING CODE (2015 IBC)

Inspections & Testing	Continuous	Periodic	Y / N	Reference Standard or Compliance Document	Agent
Inspection Agents					
1. Special Inspection Engineer of Record: T.B.D.					
2. Inspection and Testing Agency: T.B.D.					
3. Steel Fabricator's Quality Control Inspector: T.B.D.					
4. Structural Engineer of Record: Christopher Deker					
5. Mechanical Engineer of Record: Tim Waz					
6. Electrical Engineer of Record: Eric Morgan					
7. Smoke Control Inspector: T.B.D.					
1704.2.4 Report Requirement					
Special inspector to keep record of special inspections and furnish inspection reports to the building official and to the Registered Design Professional in responsible charge.	●		Y	IBC 1704.2.4	1
1704.2.5 Inspection of Fabricated Items					
Work done in fabricator shop requires inspection unless the fabricator is registered and approved in accordance with 1704.2.5.1. Where fabricator is approved, **provide fabricator certification document.**		●	Y	1704.2.5	3
At completion of fabrication, submit certificate of compliance to building official stating the work was performed in accordance with the approved construction documents.		●	Y	1704.2.5.1	1
1704.4 Contractor Responsibility					
Each contractor responsible for the construction of a main wind- or seismic force resisting system, designated seismic system or a wind- or seismic-resisting component listed in the statement of special inspections shall submit a written statement of responsibility.		●	N	1704.4	-
1704.5 Submittals to the Building Official					
Certificates of compliance for the fabrication of structural, load-bearing or lateral load-resisting members or assemblies on the premises of a registered and approval fabricator in accordance with Section 1704.2.5.1	●		Y	1704.5 1704.2.5.1	3,4
Certificates of compliance for the seismic qualification of nonstructural components, supports and attachments in accordance with Section 1705.13.2	●		N	1704.5 1705.13.2	3,4
Certificates of compliance for designated seismic systems in accordance with Section 1705.13.3	●		N	1704.5 1705.13.3	3,4
Reports of preconstruction tests for shotcrete in accordance with Section 1908.5	●		N	1704.5, 1908.5	2,4
Certificates of compliance for open web steel joist and joist girders in accordance with Section 2207.5	●		Y	1704.5, 2207.5	3,4
Reports of material properties verifying compliance with the requirements of AWS D1.4 for weldability as specified in Section 26.5.4. of ACI 318 for reinforcing bar in concrete complying with a standard other than ASTM A 706 that are to welded	●		N	1704.5, AWS D1.4 26.6.4 of ACI 318 ASTM A 706	2,4
Reports of mill tests in accordance with Section 20.2.2.5 of ACI 318 for reinforcing bars complying with ASTM A 615 and used to resist earthquake-induced flexural or axial forces in the special moment frames, special structural walls or coupling beams connecting special structural walls of seismic force-resisting systems in structures assigned to Seismic Design Category B, C, D, E, or F	●		N	1704.5 20.2.2.5 of ACI 318 ASTM A 615	3,4
1704.6 Structural Observation					
The owner shall employ a registered design professional to perform structural observation. Prior to commencement of observation, the structural observer shall submit to the building official a written statement identifying frequency and extent of structural observations.				1704.6	
Seismic		●	N	1704.6.1	4
Wind		●	N	1704.6.2	4
1705.2 Steel Construction					
Structural steel inspections and non-destructive testing shall be in accordance with the quality assurance inspection requirements of AISC 360-10				1705.2.1 AISC 360-10	
Prior to Welding (AISC 360-10 Table N5.4-1)					
Welding procedure specifications (WPSs) available	●		Y	AISC 360-10 Table N5.4-1	1,4
Manufacturer certifications for welding consumables	●		Y		1,4
Material identification (type/grade)		●	Y		3,4
Welder identification system		●	Y		3,4
Fit-up of groove welds (including joint geometry)		●	Y		2,3
a. Joint preparation					
b. Dimensions (Alignment, root open, root face, bevel)					
c. Cleanliness (Condition of steel surfaces)					
d. Tacking (tack weld quality and location)					
e. Backing type and fit (if applicable)					
Configuration and finish of access holes		●	Y		3
Fit-up of fillet welds		●	Y		2,3
a. Dimensions (Alignment, root open, root face, bevel)					
b. Cleanliness (Condition of steel surfaces)					
c. Tacking (tack weld quality and location)					
During Welding (AISC 360-10 Table N5.4-2)					
Use of qualified welders		●	Y	AISC 360-10 Table N5.4-2	1,2
Control and handling of welding consumables		●	Y		2
a. Packaging					
b. Exposure control					
No welding over cracked tack welds		●	Y		2
Environmental conditions		●	Y		2
a. Wind speed within limits					
b. Precipitation and temperature					
WPS followed		●	Y		2
a. Settings on welding equipment					
b. Travel speed					
c. Selected welding materials					
d. Shielding gas type/flow rate					
e. Preheat applied					
f. Interpass temperature maintained (min/max)					
g. Proper position (F, V, H, OH)					
h. Intermix of filler metals avoided unless approved					
Welding techniques		●	Y		2
a. Interpass and final cleaning					
b. Each pass with profile limitations					
c. Each pass meets quality requirements					
After Welding (AISC 360-10 Table N5.4-3)					
Welds cleaned		●	Y	AISC 360-10 Table N5.4-3	1,2
Size, length, and location of welds	●		Y		1,2
Welds meet visual aceptance criteria	●		Y		1,2
a. Crack prohibition					
b. Weld/base-metal fusion					
c. Crater cross section					
d. Weld profiles					
e. Weld size					
f. Undercut					
g. Porosity					
Arc strikes	●		Y		1,2
k-area	●		Y		2
Backing removed and weld tabs removed (if required)	●		Y		2
Repair activities	●		Y		1,4
Document acceptance or rejection of welded joint or member	●		Y		
Placement of reinforcing or contouring fillet welds (if required) (ref: AISC 341-10)	●		N		2
Backing removed, weld tabs removed and finished, and fillet welds added (if required) (ref: AISC 341-10)	●		N		2

Inspections & Testing	Continuous	Periodic	Y / N	Reference Standard or Compliance Document	Agent
Nondestructive Testing (AISC 360-10 Section N5.5)					
Risk Category II Structures - Perform Ultrasonic Testing on 10% of CJP groove welds in butt, T- and corner joints subject to transversley applied tension loading, in materials 5/16 inches thick or greater.		●	N	AISC 360-10 Section N5.5	1,2
Risk Category III or IV Structures - Perform Ultrasonic Testing on all CJP groove welds subject to transversely applied tension loading in butt, T- and corner joints subject to transversley applied tension loading, in materials 5/16 inches thick or greater.		●	Y		1,2
Access holes - Perform Magnetic Particle Testing or Liquid Penetrant Testing when the flange thickness exceeds 2 inches for rolled shapes, or when the web thickness exceeds 2 inches for built-up shapes.		●	N		1,2
Welded Joints Subject to Fatigue	●		N		1,2
Nondestructive Testing (AISC 341-10 Section J6.2)					
k-area	●		N	AISC 341-10 Section J6.2	2
CJP Groove weld	●		N		2
Lamellar tearing	●		N		2
Beam cope and access hole	●		N		2
Reduced beam section repair	●		N		2,4
Weld tab removal	●		N		2
Prior to Bolting (AISC 360-10 Table N5.6-1)					
Manufacturer's certifications available for fastener materials	●		Y	AISC 360-10 Section N5.6-1	3,4
Fasteners marked in accordance with ASTM requirements		●	Y		3,4
Proper fasteners selected for the joint detail (grade, type, bolt length if threads are to excluded for shear plane)		●	Y		3,4
Proper bolting pattern selected for joint detail		●	Y		2,4
Connecting elements, including the appropriate faying surface condition and hole preparation, if specified, meet applicable requirements		●	Y		2,4
Pre-installation verification testing by installation personnel observed and documented for fastener assemblies and methods used (Not required for snug tight bolts)		●	N		1,2
Proper storage provided for bolts, nuts, washers and other fastener components		●	Y		1,2
During Bolting (AISC 360-10 Table N5-6.2)					
These inspections are not required for snug-tight joints. These inspections are not required for pretensioned joints and slip-critical joints, when the installer is using the turn-of-nut method with matchmarking techniques, the direct-tension-indicator method, or the twist-off-type tension control bolt method.					
Fastener assemblies, of suitable condition, placed in all holes and washers (if required) are positioned as required		●	N	AISC 360-10 Section N5.6-2	2
Joint brought to the snug-tight condition prior to pretensioning operation		●	N		2
Fastener component not turned by the wrench prevented from rotating		●	N		2
Fasteners are pretensioned in accordance with the RCSC specification, progressing systematically from the most rigid point toward the free edges		●	N		1,2
After Bolting (AISC 360-10 Table N5.6-3)					
Document acceptance or rejection of bolted connections		●	Y	AISC 360-10 Table N5.6-3	1,2
Other Inspection Tasks (AISC 360-10 Section N5.7)					
Verify compliance of fabricated steel with the details shown on the approved shop drawings		●	Y	AISC 360-10 Section N5.6-7	1,2
Verify compliance of the erected steel frame with the details shown on the approved erection drawings, including braces, stiffeners, member location and joint details		●	Y		1,2
Anchor rods and other embedment suppporting structural steel		●	Y		1,2
a. Verify the diameter, grade, type and length of the anchor rod or embedded item					
b. Verify the extent or depth of embedment into the concrete					
RBS requirements, if applicable (ref: AISC 341-10)		●	N		1,2
a. Contour and finish					
b. Dimensional tolerances					
Protected zone - no holes and unapproved attachments made by fabricator or erector, as applicable (ref: AISC 341-10)		●	N		2
H-Piles - Protected zone - no holes and unapproved attachments made by the responsible contractor, as applicable (ref: AISC 341-10)		●	N		4
1705.2.2 Cold-Formed Steel Deck					
Special inspections in accordance with QA/QC-2011 Standard for Quality control and Quality assurance for installation of steel deck		●	Y	1705.2.2	4
1705.2.3 Open-Web Steel Joists and Joist Girders					
Installation of open-web steel joists and joist girders		●	Y	Table 1705.2.3	1,2
a. End connections - welding or bolted					
b. Bridging - horizontal or diagonal					
i. Standard bridging					
ii. Bridging that differs from the SJI specifications listed in section 2207					
Inspection of Composite Structures Prior to Concrete Placement (AISC 341-10 Table J9-1)					
Prior to Concrete Placement (AISC 360-10 Table N6-1)					
Placement and installation of steel deck		●	Y	AISC 360-10 Table N6-1	1,2
Placement and installation of steel headed stud anchors		●	Y		1,2
Document acceptance or rejection of stud elements		●	Y		1
Prior to Concrete Placement (AISC 341-10 Table J9-1)					
Material identification of reinforcing steel (Type/Grade)		●	N	AISC 341-10 Table J9-1	1,2
Determination of carbon equivalent for reinforcing steel other than ASTM A706		●	N		2
Proper reinforcing steel size, spacing and orientation		●	N		1,2
Reinforcing steel has not been rebent in the field		●	N		2
Reinforcing steel has been tied and supported as required		●	N		2
Required reinforcing steel clearances have been provided		●	N		2
Composite member has required size		●	N		2
During Concrete Placement (AISC 341-10 Table J9-2)					
Concrete: Material identification (mix design, compressive strength, maximum large aggregate size, maximum slump)		●	N	AISC 341-10 Table J9-2	2
Limits on water added at the truck or pump		●	N		2
Proper placement techniques to limit segregation		●	N		2
After Concrete Placement (AISC 341-10 Table J9-3)					
Achievement of minimum specified concrete compressive strength at specified age		●	N	AISC 341-10 Table J9-3	2
1705.2.4 Cold-formed Steel Trusses Spanning 60-feet or Greater					
Verify temporary installation restraint/bracing installed in accordance with the approved shop drawings		●	N	Table 1705.2.4	1,4
Verify permanent individual truss member restraint/bracing installed in accordance with the approved shop drawings		●	N		1,2

Inspections & Testing	Continuous	Periodic	Y / N	Reference Standard or Compliance Document	Agent
1705.3 Concrete Construction					
Inspect reinforcing steel, including prestressing tendons, and verify placement.		●	Y	Table 1705.3	2
Inspect reinforcing steel welding in accordance with steel construction section above		●	Y		2
Inspect anchors cast in concrete		●	Y		2
Inspect anchors post-installed in hardened concrete members	●		Y		1,2
Verify use of approved design mix		●	Y		2
Prior to placement fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete	●		Y		2
Inspect concrete and shotcrete placement for proper application techniques	●		Y		2
Inspect for maintenance of specified curing temperature and techniques		●	Y		2
Inspect prestressed concrete for:					1,2
a. Application of prestressing forces	●		N		
b. Grouting of bonded prestressing tendons in the seismic-force-resisting system	●		N		
Inspect erection of precast structural members		●	N		1,2
Verify in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs		●	N		2
Inspect formwork for shape, location and dimensions of the concrete member being formed		●	Y		1,2
1705.4 Masonry Construction					
Inspect masonry construction in accordance with 1705.4 and TMS 602-13/ACI 530.1-13/ASCE 6-13 Article 1.6				TMS 602-13/ACI 530.1-13 ASCE 6-13 Article 1.6	1,2
Level A Quality Assurance (Table 3)					
Prior to construction verifiy certificates of compliance		●	Y		4
Level B Quality Assurance (Table 4)					
Test as follows:					
Verify slump flow and Visual Stability Index (VSI) as delivered to the project site in accordance with TMS 602-13/ACI 530.1-13/ASCE 6-13 Specification Article 1.5B.1.b.3 for self-consolidation grout		●	Y		2
Verify f'm and f'aac in accordance with TMS 602-13/ACI 530.1-13/ASCE 6-13 Specification Article 1.4B prior to construction, and for every 5000 square feet during construction		●	Y		2
Inspections as follows:					
Verify compliance with the approved submittals and project specifications		●	Y		4
At the start of masonry construction, verify:					
a. Proportions of site-prepared mortar		●	Y		2
b. Construction of mortar joints		●	Y		2
c. Grade and size of prestressing tendons and anchorages		●	N		2
d. Location of reinforcement, connectors, prestressing tendons and anchorages		●	Y		2
e. Prestressing technique		●	N		2
f. Properties of thin-bed mortar for AAC masonry. (Continuous inspection is required for the first 5000 square feet of AAC masonry. Periodic inspection is required after the first 5000 square feet of AAC masonry.)	●	●	N		2
Prior to grouting, verify:					
a. Grout space is clean		●	Y		2
b. Grade, type and size of reinforcement and anchor bolts, and prestressing tendons and anchorages		●	Y		2
c. Placement of reinforcing and connectors, and prestressing tendons and anchorages		●	Y		2
d. Proportions of site-prepared grout and prestressing grout for bonded tendons		●	Y		2
e. Construction of mortar joints		●	Y		2
During masonry construction, verify:					
a. Size and location of structural members		●	Y		1,2
b. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames, or other construction		●	Y		1,2
c. Welding of reinforcement	●		Y		1,2
d. Preparation, construction and protection of masonry during cold weather (Temperature below 40°F) or hit weather (Temperature above 90°F)		●	Y		2
e. Application and measurement of prestressing force	●		N		2
f. Placement of grout and prestressing grout for bonded tendons is in compliance	●		Y		2
g. Placement of AAC masonry units and construction of thin-bed mortar joints. (Continuous inspection is required for the first 5000 square feet of AAC masonry. Periodic inspection is required after the first 5000 square feet of AAC masonry.)	●	●	N		2
Observe preparation of grout specimens, mortar specimens and/or prisms		●	Y		2
Level C Quality Assurance (Table 5)					
Tests as follows:					
Verify f'm and f'aac in accordance with TMS 602-13/ACI 530.1-13/ASCE 6-13 Specification Article 1.4B prior to construction, and for every 5000 square feet during construction		●	N		2
Verify proportions of materials in premixed or pre-blended mortar, prestressing group and grout other than self-consolidation grout as delivered to the project site		●	N		2
Verify slump flow and Visual Stability Index (VSI) as delivered to the project site in accordance with TMS 602-13/ACI 530.1-13/ASCE 6-13 Specification Article 1.5B.1.b.3 for self-consolidation grout		●	N		2
Tests as follows:					
Verify compliance with approved submittals and project specifications		●	N		1,4
Verify:					
a. Proportions of site-prepared mortar, grout and prestressing grout for bonded tendons		●	N		2
b. Grade, type, and size of reinforcement and anchor bolts, and prestressing tendons and anchorages		●	N		2
c. Placement of masonry units and construction of mortar joints		●	N		2
d. Placement of reinforcement, connectors and prestressing tendons and anchorages	●		N		2
e. Grout space prior to grouting	●		N		2
f. Placement of grout and prestressing grout for bonded tendons	●		N		2
g. Size and location of structural elements		●	N		2
h. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames and other construction	●		N		2
i. Welding of reinforcement	●		N		2
j. Preparation, construction, and protection of masonry during cold weather (Temperature below 40°F) or hot weather (Temperature above 90°F)		●	N		2
k. Application and measurement of prestressing force	●		N		2
l. Placement of AAC masonry units and construction of thin-bed mortar joints	●		N		2
m. Properties of thin-bed mortar for AAC masonry	●		N		2
Observe preparation of grout specimens, mortar specimens and/or prisms	●		N		2

Inspections & Testing	Continuous	Periodic	Y / N	Reference Standard or Compliance Document	Agent
1705.5 Wood Construction					
Inspect prefabricated wood structural elements in accordance with Section 1704.2.5		●	N	1705.5	1
High load diaphragms:		●	N	1705.11 High wind and Seismic areas	1,2
a. Verify sheathing grade and thickness					
b. Verify nominal size of framing members and adjoining panel edges					
c. Verify nail or staple diameter and length					
d. Verify number of fastener lines					
e. Verify spacing between fasteners in each line and at panel edges					
Shearwalls:		●	N		1,2
a. Verify sheathing grade and thickness					
b. Verify nominal size of framing members and adjoining panel edges					
c. Verify nail or staple diameter and length					
d. Verify number of fastener lines					
e. Verify spacing between fasteners in each line and at panel edges					
f. Location and size of holdowns					
Verify nailing, bolting, anchoring and fastening of:		●	N		1,2
a. Drag struts and collectors					
b. Braces					
c. Hold-downs					
Metal-plate-connected wood trusses spanning 60 feet or greater:					
a. Verify temporary installation restraint/bracing installed in accordance with approved shop drawings		●	N		1,2
b. Verify permanent individual truss member restraing/bracing installed in accordance with the approved shop drawings		●	N		1,2
1705.6 Soils					
Verify materials below shallow foundation are adequate to achieve the required bearing capacity		●	Y	Table 1705.6	2
Verify excavation are extended to proper depth and have reached proper material		●	Y		2
Preform classification and testing of compacted fill materials		●	Y		2
Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill	●		Y		2
Prior to placement of controlled fill, observe subgrade and verify that site has been prepared properly		●	Y		2
1705.7 Driven Deep Foundation Elements					
Verify materials, sizes and lengths	●		N	Table 1705.7	2
Determine capacities of test elements and conduct additional load tests when required. Refer to project specifications	●		N		2
Maintain complete and accurate records for each element	●		N		2
Observe and verify drilling operations	●		N		2
a. Verify element locations and plumbness					
b. Verify type and size of hammer					
c. Record number of blows per foot of penetration					
d. Determine required penetration to achieve specified capacity					
e. Record pile tip and butt elevations					
f. Document any damage to any foundation element					
For steel elements, preform additional inspection in accordance with 1705.2 and AISC 341-10. Table J10-1			N	AISC 341-10 Table J10-1	1,2
For concrete elements and concrete-filled elements, perform additional inspections in accordance with 1705.3			N		1,2
For specialty elements, perform additional inspections as required in the project specifications.			N		1,2
1705.8 Cast-In-Place Deep Foundations					
Maintain complete and accurate records for each element	●		N	Table 1705.8	2
Observe and verify drilling operations	●		N		2
a. Verify element locations and plumbness					
b. Verify element diameter					
c. Verify bell diameter (if applicable)					
d. Verify element lengths					
e. Verify embedment depth into bedrock (if applicable)					
f. Verify adequate end-bearing strata capacity					
g. Record concrete or grout volumes					
For concrete elements, perform additional inspections in accordance with 1705.3			N		1
1705.9 Helical Piles					
Maintain complete and accurate records for each element		●	N	Table 1705.9	2
Observe and verify drilling operations	●		N		2
a. Verify pile locations					
b. Verify installation equipment used					
c. Verify pile dimensions					
d. Verify tip elevations					
e. Verify final depth					
f. Verify final installation torque					
g. Other data as required by the project specifications					
1705.11 Wind Resistance					
Provide inspections when required by 1705.11		●	N		1,4
a. Structural wood				1705.11.1	
b. CFS light frame construction				1705.11.2	
c. Wind resisting components				1705.11.3	
1705.12 Seismic Resistance					
Maintain complete and accurate records for each element		●	N		1,4
a. Structural steel				1705.12.1	
b. Structural wood				1705.12.2	
c. CFS light frame construction				1705.12.3	
d. Designated seismic systems				1705.12.4	
e. Architectural components				1705.12.5	
f. Plumbing, Mechanical, Electrical components				1705.12.6	
1705.13 Testing and Qualification for Seismic Resistance					
Test and qualify seismic resistance in accordance with 1705.13 and the project specifications		●	N		1,4
1705.14 Sprayed Fire-Resistant Materials (SFRM)					
Inspect sprayed fire-resistant materials in accordance with 1705.14 and the project specifications		●	N		1,2
a. Condition of substrate					
b. Thickness of application					
c. Density					
d. Bond strength adhesion/cohesion					
e. Condition of finished application					
1705.15 Mastic and Intumescent Fire-Resistant Coatings					
Perform inspections in accordance with AWCI 12-B and 1705.15		●	N	AWCI 12-B	1,2
1705.16 Exterior Insulation and Finish Systems (EIFS)					
Perform inspections in accordance with project specifications and 1705.16		●	N		1,2
1705.17 Fire-resistant Penetrations and Joints					
Perform inspections in accordance with project specifications and 1705.17		●	Y	1705.17.1, 1705.17.2	1,4
1705.18 Smoke Control					
Perform testing in accordance with project specifications and 1705.18		●	Y		1,7

MOSELEY ARCHITECTS
4210 ARDREY KELL ROAD THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 940-3755 FAX (704) 940-3754
MOSELEY ARCHITECTS .COM

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045703 CHRISTOPHER S. DEKER ENGINEER, PE/RA
12 / 12 / 2023

MOSELEY ARCHITECTS P.A. FIRST FLOOR CORPORATE C-3469 NORTH CAROLINA CHARLOTTE, NC

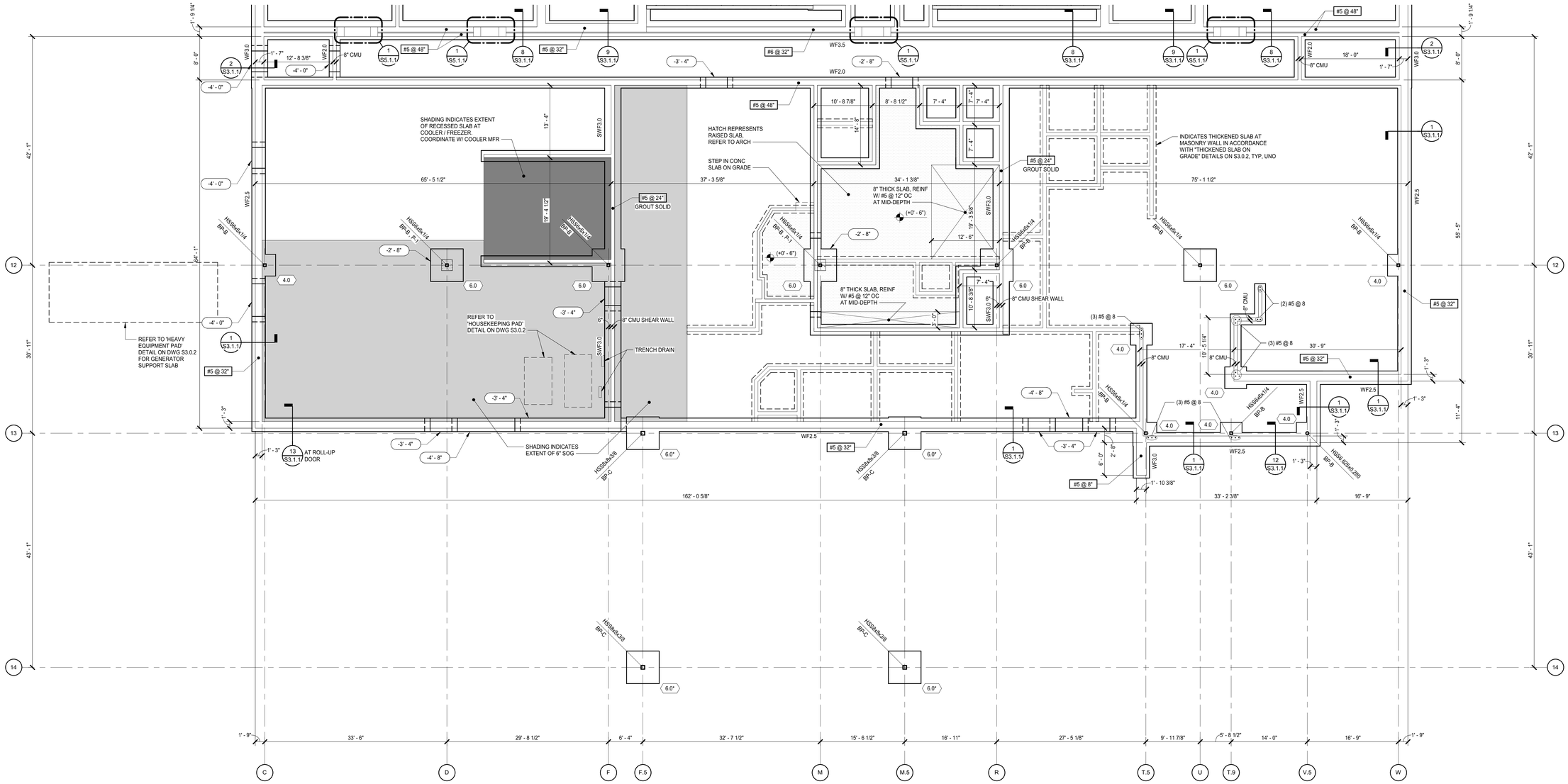
DUPLIN COUNTY DETENTION CENTER
DHSR# - J-378
DUPLIN COUNTY, NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO: 621373	DATE: December 12, 2023
REVISIONS	
DATE	DESCRIPTION

SPECIAL INSPECTION FORMS

S0.0.2

12/12/2023 2:25:13 PM



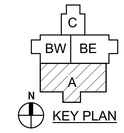
N

FOUNDATION PLAN - PART A

1/8" = 1'-0"

FOUNDATION PLAN NOTES:

1. FINISHED FIRST FLOOR ELEVATION = 129.00' = REFERENCE DATUM EL (+0'-0"). ALL STRUCTURAL ELEVATIONS INDICATED ARE REFERENCED FROM THIS ELEVATION, UNO.
2. FLOOR CONSTRUCTION SHALL BE 4" NORMAL WEIGHT CONCRETE SLAB ON GRADE REINFORCED WITH 6x6-W2.9xW2.9 WWF (AT 1" FROM TOP OF SLAB) OVER VAPOR BARRIER OVER 6" GRANULAR BASE COURSE, UNO.
   PLACE 5" SLAB WHERE INDICATED, REINFORCE WITH 6x6-W2.9xW2.9.
   PLACE 6" SLAB WHERE INDICATED, REINFORCE WITH 4x4-W2.9xW2.9.
3. BASE COURSE SHALL BE A CLEAN, DENSELY-GRADED "CRUSHER RUN" MATERIAL WITH A BALANCED FINE CONTENT, SUCH AS NCDOT ABC STONE. THE BASE COURSE SHALL BE COMPACTED AND SHALL BE FINISHED TO A FLAT, SMOOTH, LOW-FRICTION SURFACE. COMPACTION SHALL BE MONITORED BY THE ON-SITE TESTING AGENCY. OPEN GRADED STONE, SUCH AS #57 STONE, IS NOT ACCEPTABLE.
4. TOP OF ALL FOOTINGS SHALL BE (-2'-0"), UNO.
5. ALL INTERIOR WALL FOOTINGS SHALL BE WF2.0, UNO.
   ALL EXTERIOR WALL FOOTINGS SHALL BE WF2.5, UNO.
6. COORDINATE FOOTING STEPS WITH ALL UNDERSLAB UTILITIES.
   REFER TO FOUNDATION NOTE #4 ON DRAWING S0.0.1.
7. REINFORCE AND GROUT ALL SECURITY WALLS IN ACCORDANCE WITH G1.1 & A0.2, UNO. REINFORCING INDICATED ON THIS DRAWING SHALL GOVERN IN ALL CASES WHERE IT EXCEEDS THE SECURITY REINFORCING INDICATED ON G1.1 AND A0.2. BEARING WALLS AND EXTERIOR WALLS THAT DO NOT CONTAIN SECURITY REINFORCING SHALL BE REINFORCED WITH #5 AT 48" OC, UNO.
8. WALL REINFORCING CALLOUTS ON PLAN SHALL APPLY FOR THE ENTIRE LENGTH OF WALL, UNO.
9. REFER TO PLUMBING AND ARCHITECTURAL DRAWINGS FOR FLOOR DRAIN LOCATIONS.
10. REFER TO DRAWING S0.0.1 FOR GENERAL NOTES, PLAN LEGEND, AND STRUCTURAL ABBREVIATIONS.
11. REFER TO DRAWINGS S3.0.1 AND S3.0.2 FOR TYPICAL FOUNDATION DETAILS AND SCHEDULES.



MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 940-3755 FAX (704) 940-3754
MOSELEY ARCHITECTS .COM

NORTH CAROLINA PROFESSIONAL SEAL 045703 ENGINEER CHRISTOPHER B. BEVER
12 / 12 / 2023

MOSELEY ARCHITECTS P.A. CERTIFICATE OF AUTHORIZATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY, NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO:	DATE:
621373	December 12, 2023

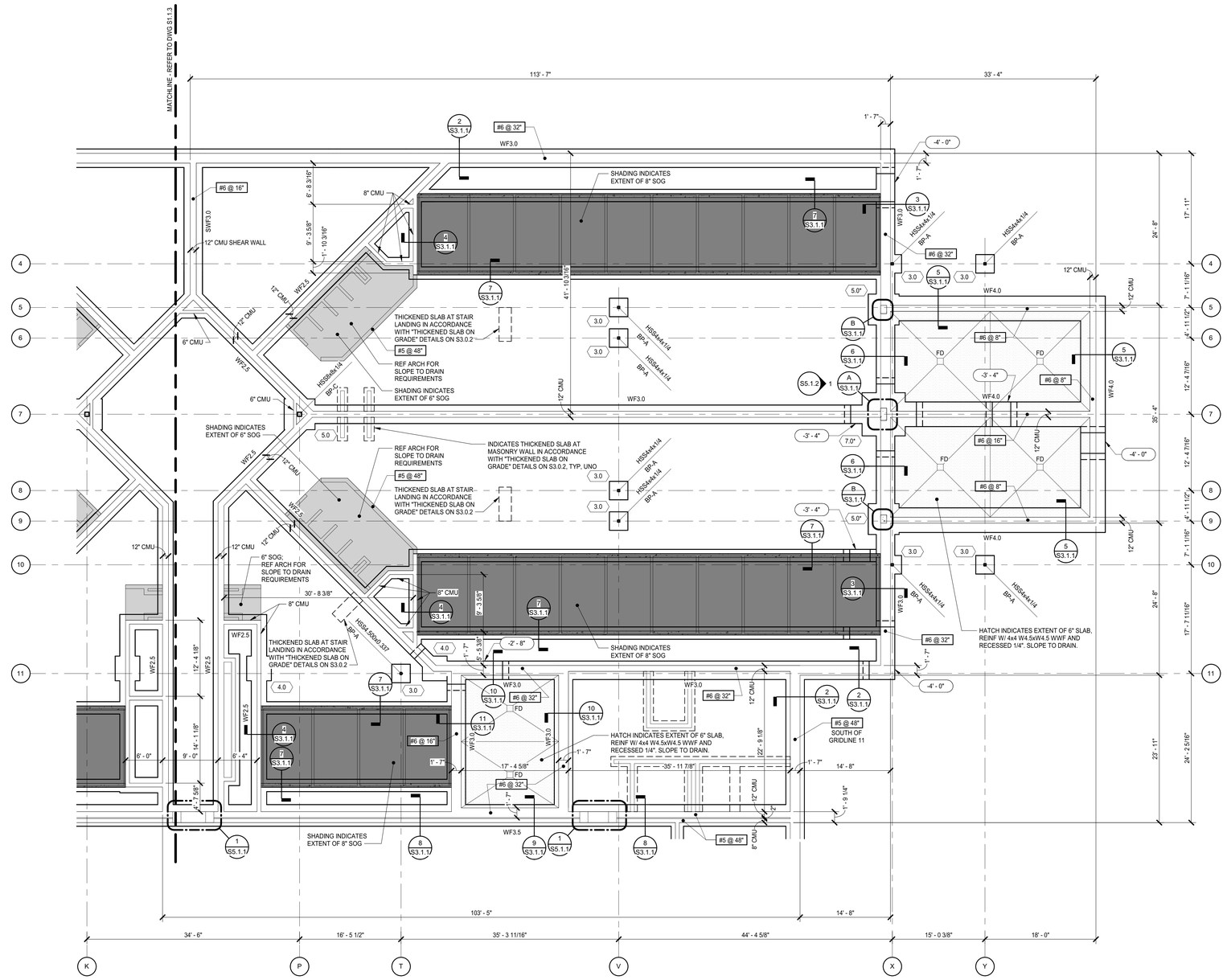
REVISIONS

DATE	DESCRIPTION

FOUNDATION PLAN - PART A

S1.1.1

12/12/2023 2:25:15 PM



N

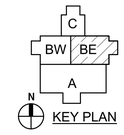
FOUNDATION PLAN - PART BE - BASE BID

1/8" = 1'-0"

NOTE:

1) REFER TO DRAWING S1.1.1 FOR FOUNDATION PLAN NOTES.

2) INTERIOR CMU PARTITION WALLS, 6" AND LARGER SHALL BE REINFORCED WITH #4 BARS AT 32" OC AND SHALL BE DOWELED INTO THE SLAB IN ACCORDANCE WITH THE THICKENED SLAB ON GRADE DETAILS ON DRAWING S3.0.2, UNO.



MOSELEYARCHITECTS
6210 ARDREY KELL ROAD THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 940-3765 FAX (704) 940-3764
MOSELEY ARCHITECTS .COM

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045703 CHRISTOPHER S. BEVER 12 / 12 / 2023

MOSELEY ARCHITECTS P.A. CORPORATE FIRM NUMBER C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY, NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO:	DATE:
621373	December 12, 2023

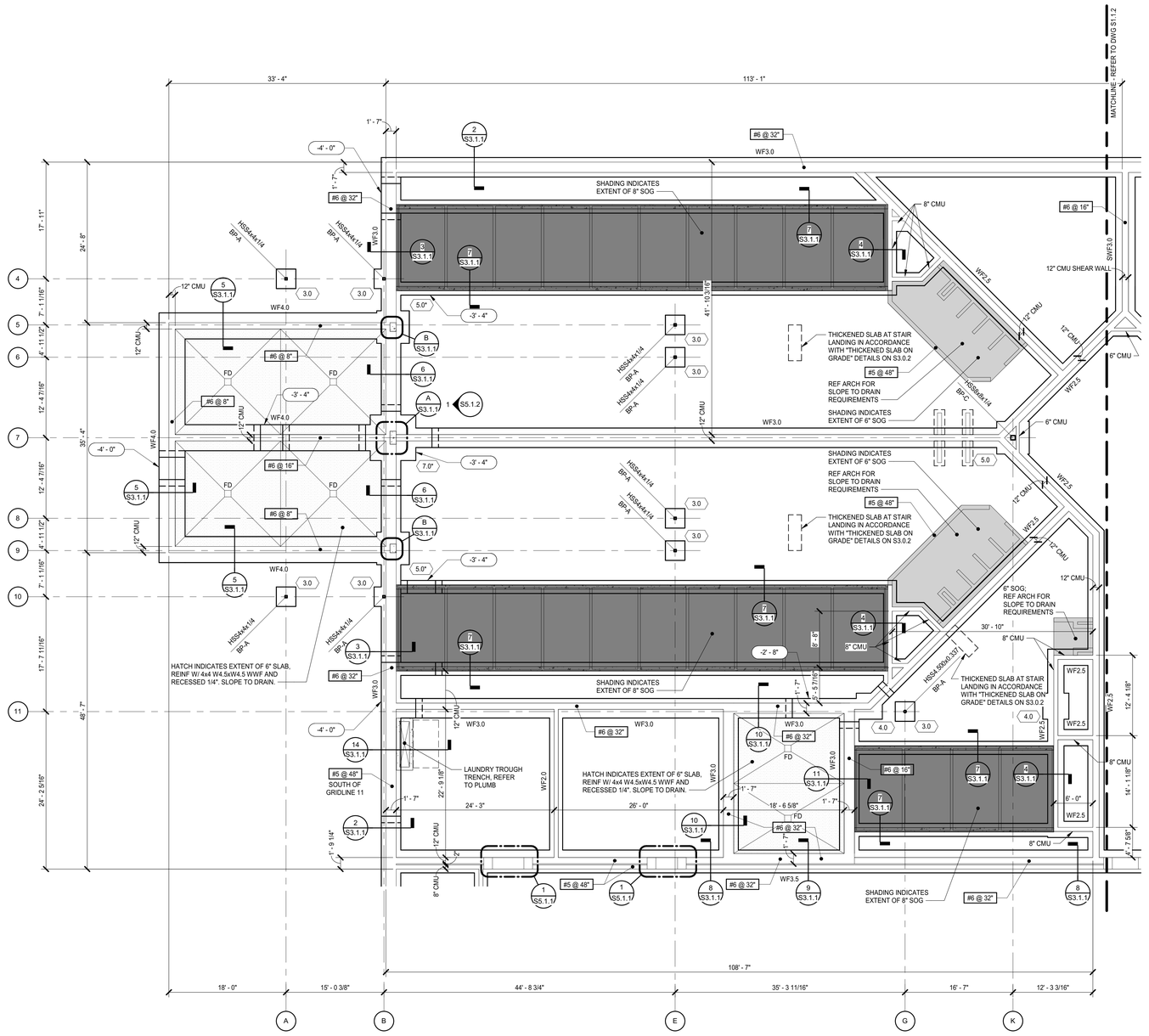
REVISIONS

DATE	DESCRIPTION

FOUNDATION PLAN - PART BE - BASE BID

S1.1.2

12/12/2023 2:25:17 PM



N

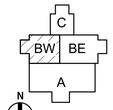
FOUNDATION PLAN - PART BW - BASE BID

1/8" = 1'-0"

NOTE:

1) REFER TO DRAWING S1.1.1 FOR FOUNDATION PLAN NOTES.

2) INTERIOR CMU PARTITION WALLS, 6" AND LARGER SHALL BE REINFORCED WITH #4 BARS AT 32" OC AND SHALL BE DOWELED INTO THE SLAB IN ACCORDANCE WITH THE THICKENED SLAB ON GRADE DETAILS ON DRAWING S3.0.2, UNO.



N KEY PLAN

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

NORTH CAROLINA PROFESSIONAL SEAL 045703 ENGINEER CHRISTOPHER B. DEKER
12 / 12 / 2023

MOSELEY ARCHITECTS PC REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378

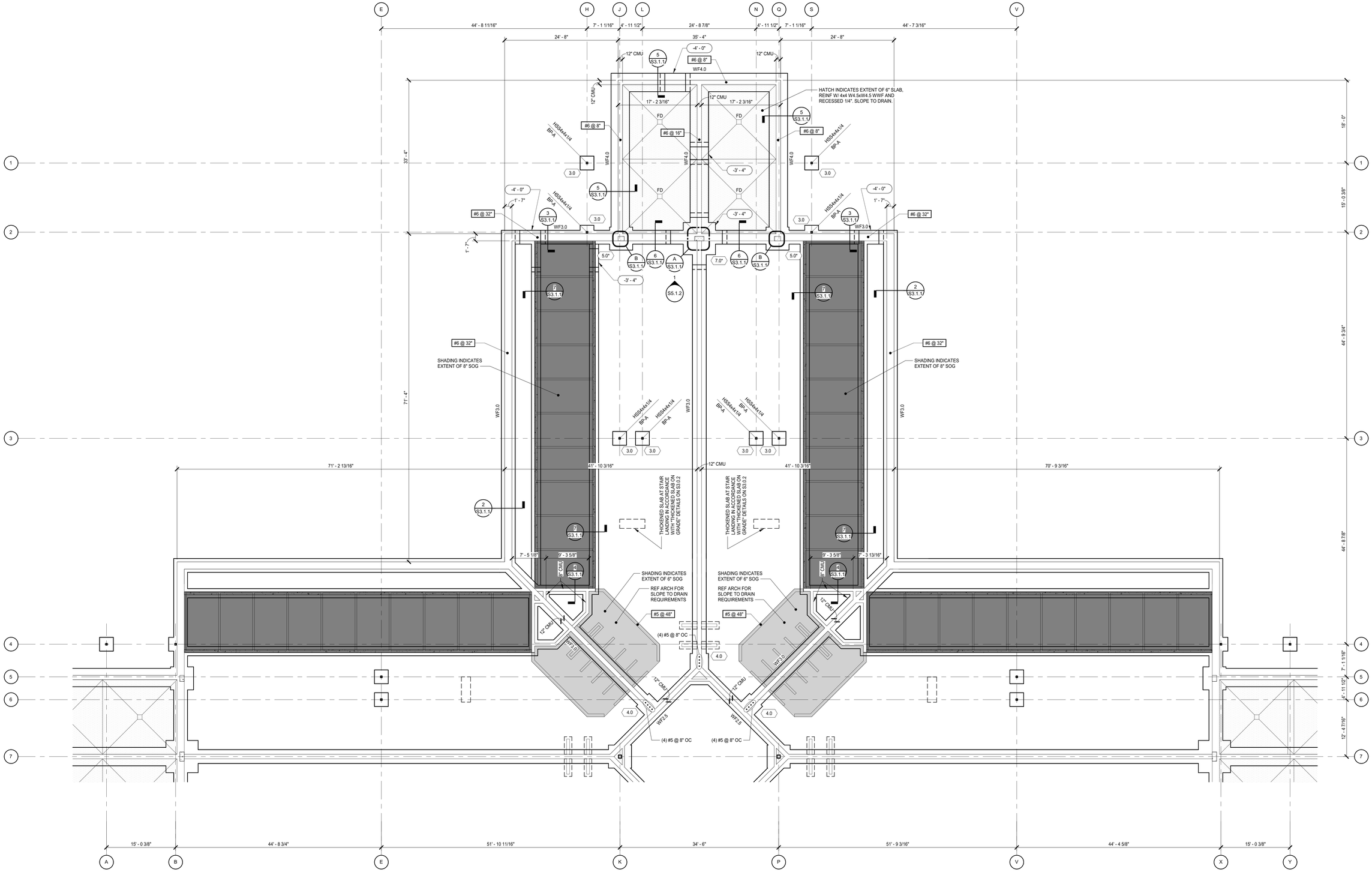
DUPLIN COUNTY, NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO: 621373	DATE: December 12, 2023
REVISIONS	
DATE	DESCRIPTION

FOUNDATION PLAN - PART BW - BASE BID

S1.1.3

12/12/2023 2:25:19 PM



N

FOUNDATION PLAN - PART C - ADD ALT.

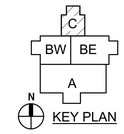
1/8" = 1'-0"

NOTE:

1) REFER TO DRAWING S1.1.1 FOR FOUNDATION PLAN NOTES.

2) REFER TO DRAWING S1.1.2 & S1.1.3 FOR ADDITIONAL INFORMATION.

3) INTERIOR CMU PARTITION WALLS, 6" AND LARGER SHALL BE REINFORCED WITH #4 BARS AT 32" OC AND SHALL BE DOWELED INTO THE SLAB IN ACCORDANCE WITH THE THICKENED SLAB ON GRADE DETAILS ON DRAWING S3.0.2, UNO.



MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 940-3795 FAX (704) 940-3794
MOSELEY ARCHITECTS .COM

NORTH CAROLINA PROFESSIONAL SEAL 045703 ENGINEER CHRISTOPHER P. SEKER
12 / 12 / 2023

MOSELEY ARCHITECTS, P.A. NORTH CAROLINA CORPORATION C-3469 CHARLOTTE, N.C.

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY, NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO:	DATE:
621373	December 12, 2023

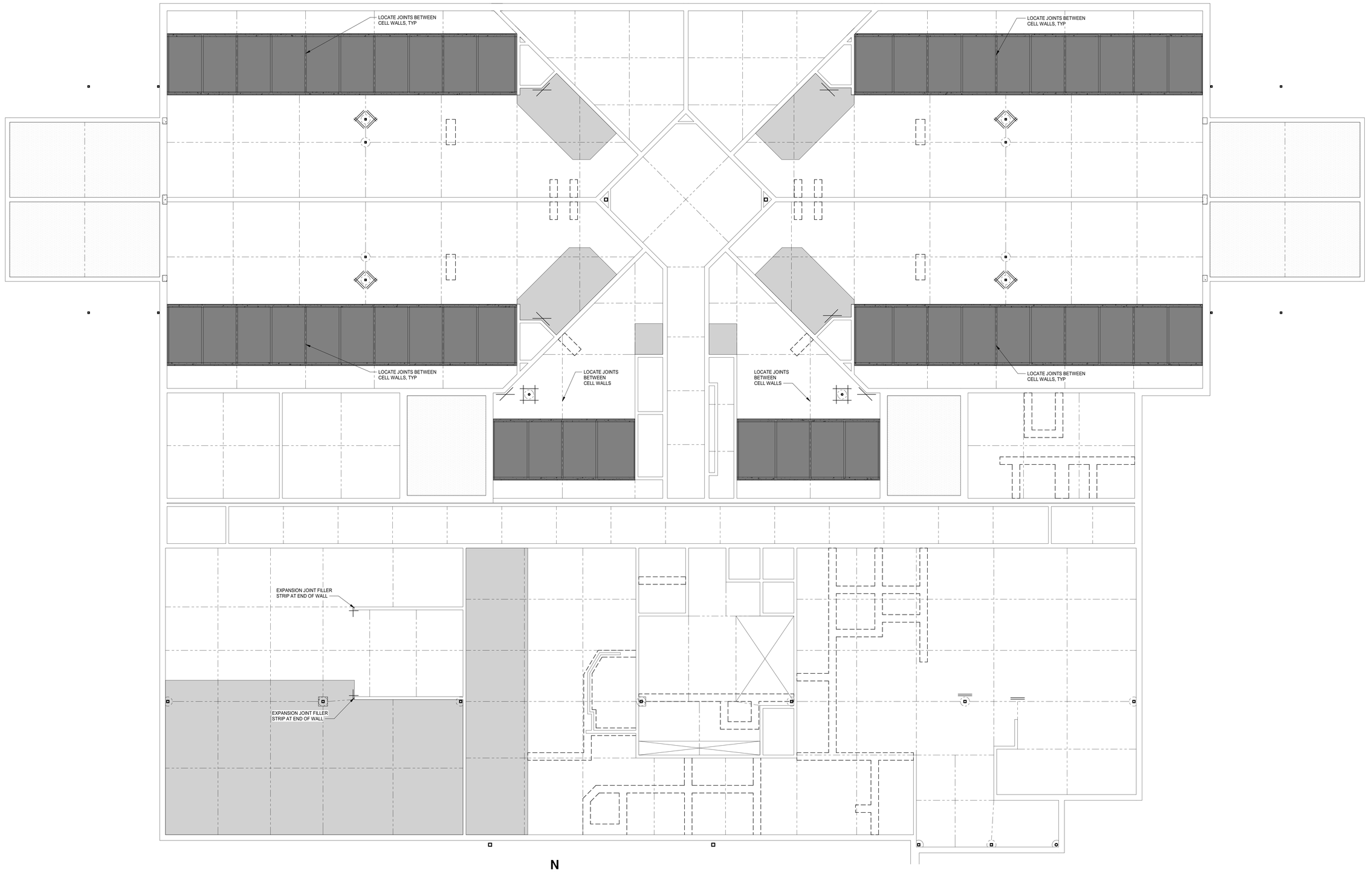
REVISIONS

DATE	DESCRIPTION

FOUNDATION PLAN - PART C - ADD ALT.

S1.1.4

12/12/2023 2:25:21 PM



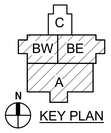
N

SLAB ON GRADE - CONTROL JOINT PLAN - BASE BID

1/8" = 1'-0"

SLAB ON GRADE - CONTROL JOINT PLAN NOTES:

1. CONSTRUCTION JOINTS AND / OR CONTROL JOINTS INDICATED THUS ON PLAN.
2. CONTROL JOINTS ARE EQUALLY SPACED ACROSS AREAS UNLESS NOTED OTHERWISE.
3. PROVIDE DIAMOND OR CIRCULAR BLOCKOUTS AT COLUMNS.
4. LOCATE CONSTRUCTION JOINTS AND / OR CONTROL JOINTS AT COLUMN CENTERLINES, UNLESS INDICATED OTHERWISE.
5. LOCATE CONSTRUCTION JOINTS AND / OR CONTROL JOINTS AT RE-ENTRANT CORNERS, UNLESS INDICATED OTHERWISE.
6. REINFORCE ALL RE-ENTRANT CORNERS OF SLAB PER "SLAB REINFORCING AT RE-ENTRANT CORNER".
7. PROVIDE BOND BREAK WHERE FLOOR ABUTS CMU OR CONCRETE WALL UNLESS INDICATED OTHERWISE.
8. LOCATE SLAB CONTROL JOINTS AT STEEL CELLS BETWEEN ADJOINING CELL WALLS.



KEY PLAN

MOSELEY ARCHITECTS

6210 ARDREY KELL ROAD THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

NORTH CAROLINA PROFESSIONAL SEAL 045703 ENGINEER CHRISTOPHER B. DEKER
12 / 12 / 2023

MOSELEY ARCHITECTS PC REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378

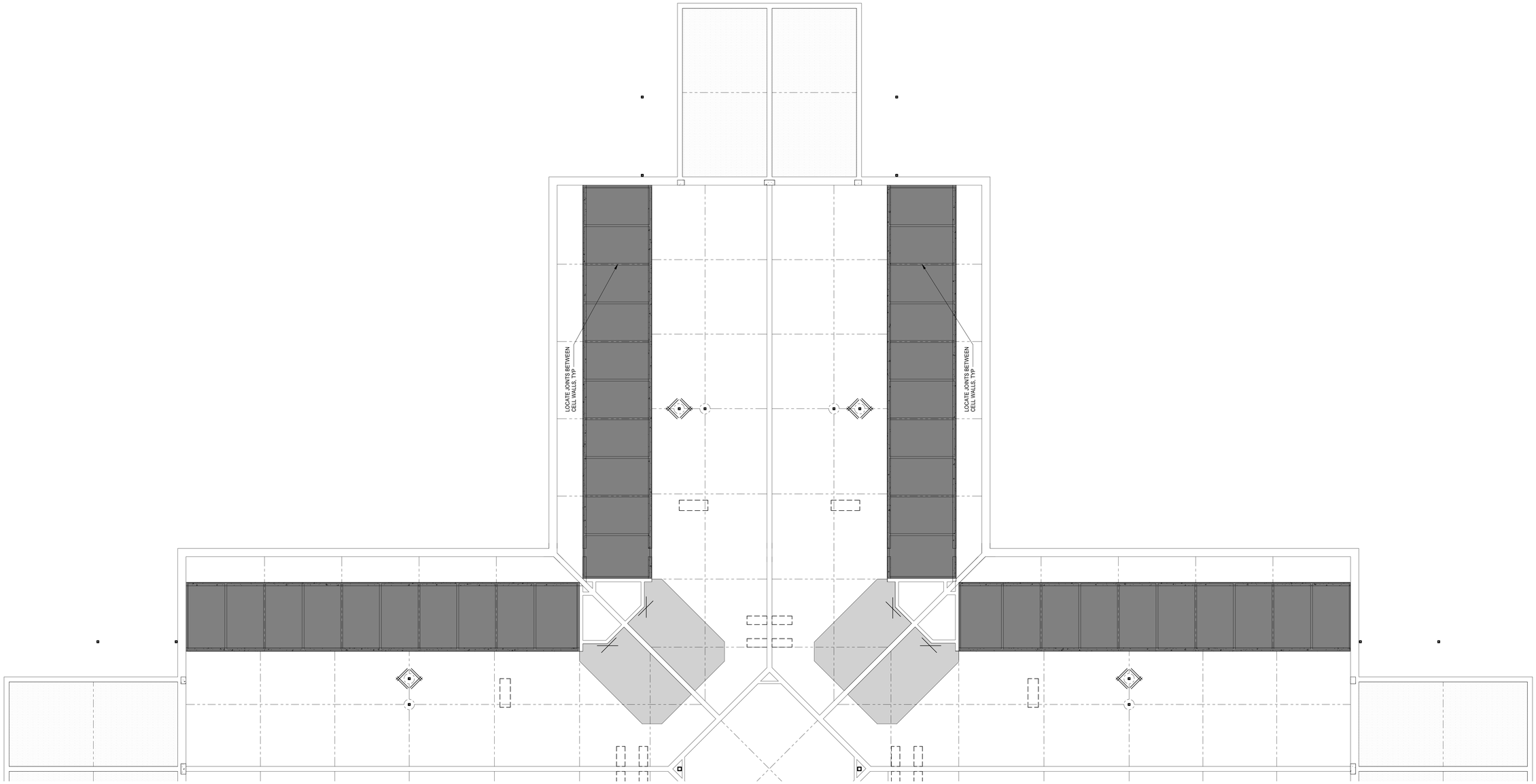
DUPLIN COUNTY, NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO: 621373	DATE: December 12, 2023
REVISIONS	
DATE	DESCRIPTION

SLAB ON GRADE - CONTROL JOINT PLAN - BASE BID

S1.2.1

12/12/2023 2:25:23 PM



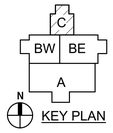
N

SLAB ON GRADE - CONTROL JOINT PLAN - ADD ALT.

1/8" = 1'-0"

NOTE:

1) REFER TO DRAWING S1.2.1 FOR SLAB ON GRADE - CONTROL JOINT PLAN NOTES.



KEY PLAN

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

NORTH CAROLINA PROFESSIONAL SEAL 045703 ENGINEER CHRISTOPHER B. DEKER
12 / 12 / 2023

MOSELEY ARCHITECTS PC REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378

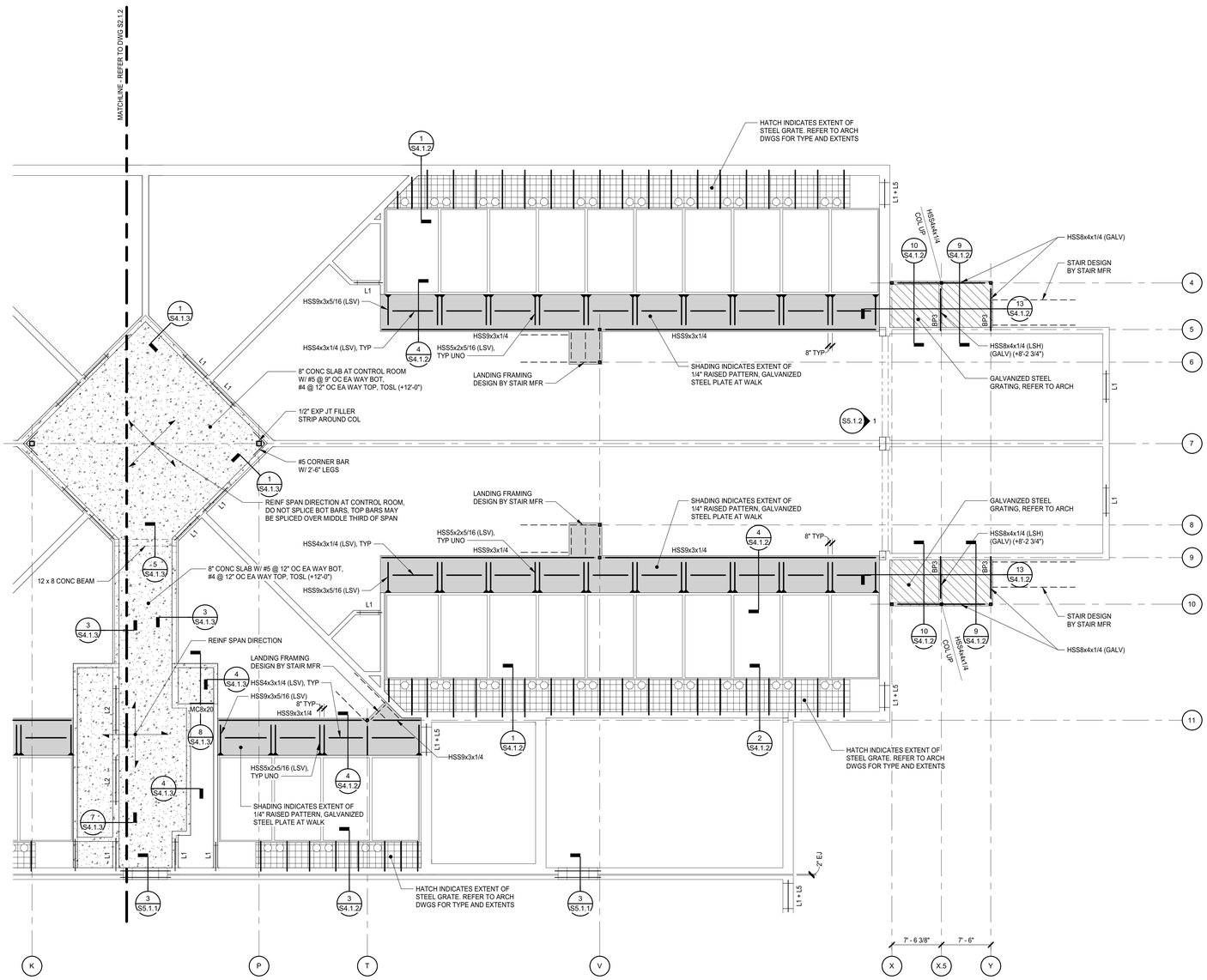
DUPLIN COUNTY, NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO: 621373	DATE: December 12, 2023
REVISIONS	
DATE	DESCRIPTION

SLAB ON GRADE - CONTROL JOINT PLAN - ADD ALT.

S1.2.2

12/12/2023 2:25:24 PM



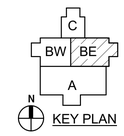
N

TIER LEVEL FRAMING PLAN - PART BE - BASE BID

1/8" = 1'-0"

TIER LEVEL FRAMING PLAN NOTES:

1. REFER TO DRAWING S0.0.1 FOR GENERAL NOTES, PLAN LEGEND, AND STRUCTURAL ABBREVIATIONS.
2. REFER TO DRAWINGS S4.0.1 AND S4.0.2 FOR TYPICAL FRAMING DETAILS AND SCHEDULES.
3. TOP OF TIER LEVEL FLOOR SHALL BE (+8'-4 1/4"), RELATIVE TO FINISHED FIRST FLOOR ELEVATION, UNO.
4. TOP OF STEEL BEAMS SHALL BE (+8'-4"), RELATIVE TO FINISHED FIRST FLOOR ELEVATION, UNO.
5. TIER LEVEL WALKWAY FLOOR CONSTRUCTION SHALL BE 1/4" GALVANIZED STEEL DIAMOND PLATE, UNO.
6. TOP OF EXTERIOR WALKWAY STEEL BEAMS SHALL BE (+8'-4 1/4"), RELATIVE TO FINISHED FIRST FLOOR ELEVATION, UNO.
7. TOP OF STEEL BEAMS INDICATED THUS (+X'-X") ON PLAN SHALL BE REFERENCED FROM FINISHED FIRST FLOOR ELEVATION.



MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 940-3755 FAX (704) 940-3754
MOSELEY ARCHITECTS .COM

NORTH CAROLINA PROFESSIONAL SEAL 045703 CHRISTOPHER S. BEVER ENGINEER
12 / 12 / 2023

MOSELEY ARCHITECTS P.A. NORTH CAROLINA CORPORATION C-3469 CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY, NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO:	DATE:
621373	December 12, 2023

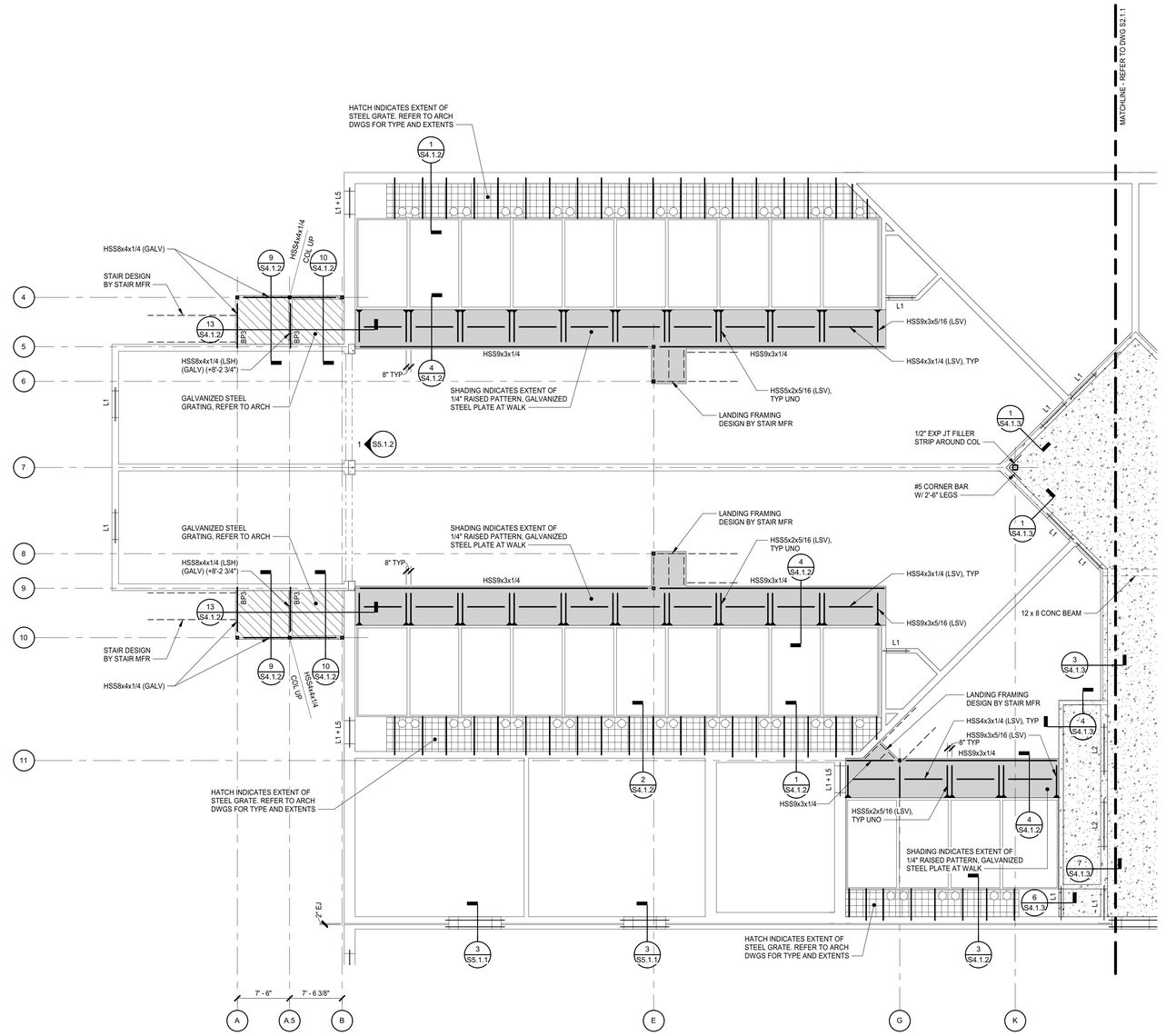
REVISIONS

DATE	DESCRIPTION

TIER LEVEL FRAMING PLAN - PART BE - BASE BID

S2.1.1

12/12/2023 2:25:25 PM



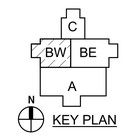
N

TIER LEVEL FRAMING PLAN - PART BW - BASE BID

1/8" = 1'-0"

NOTE:

1) REFER TO DRAWING S2.1.1 FOR TIER LEVEL FRAMING PLAN NOTES.



MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 940-3795 FAX (704) 940-3794
MOSELEY ARCHITECTS .COM

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045703 CHRISTOPHER S. BEVER
12 / 12 / 2023

MOSELEY ARCHITECTS, P.A. CORPORATE REGISTRATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY, NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO:	DATE:
621373	December 12, 2023

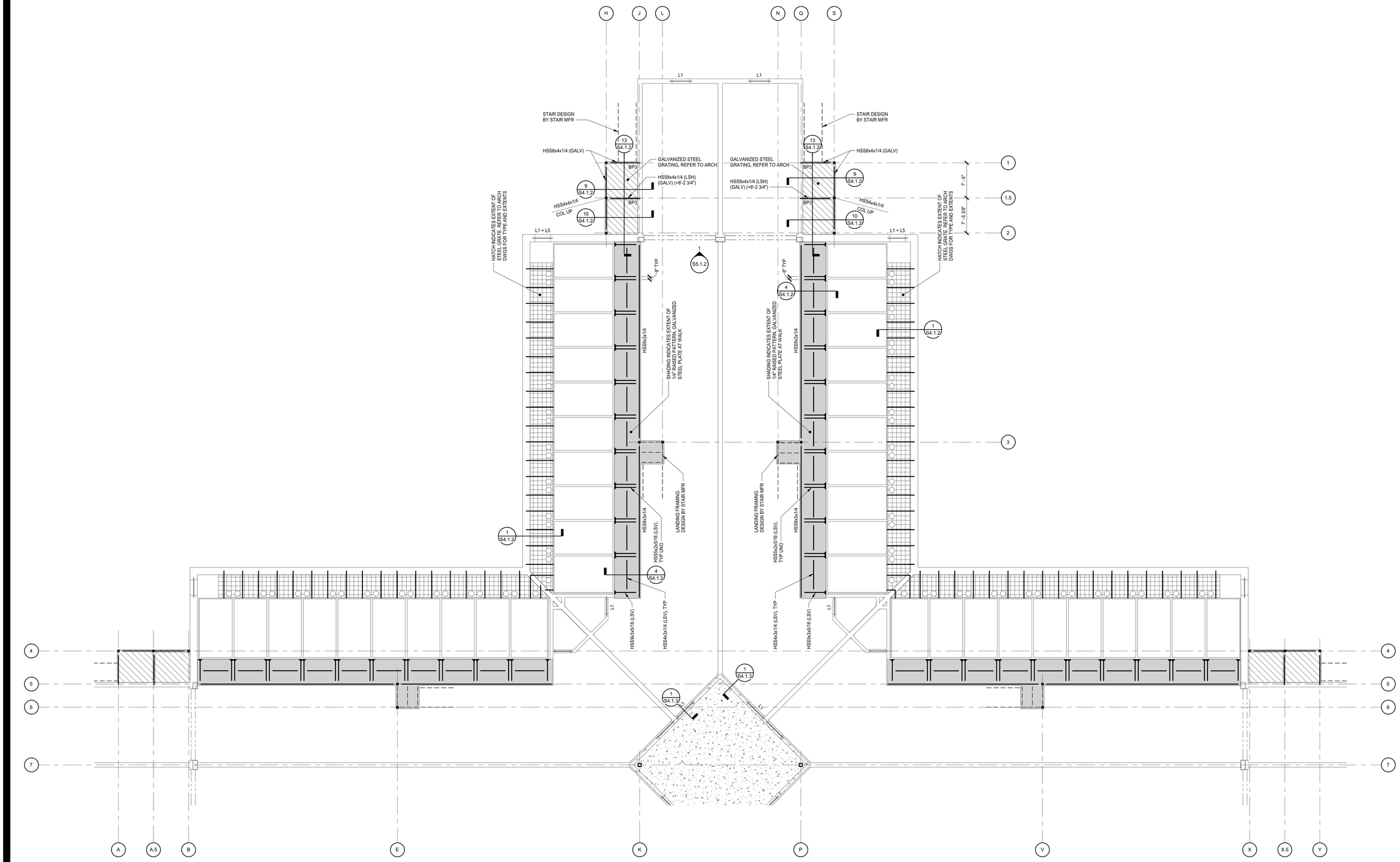
REVISIONS

DATE	DESCRIPTION

TIER LEVEL FRAMING PLAN - PART BW - BASE BID

S2.1.2

12/12/2023 2:25:27 PM



N

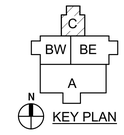
TIER LEVEL FRAMING PLAN - PART C - ADD ALT.

1/8" = 1'-0"

NOTE:

1) REFER TO DRAWING S2.1.1 FOR TIER LEVEL FRAMING PLAN NOTES.

2) REFER TO DRAWING S2.1.1 & S2.1.2 FOR ADDITIONAL INFORMATION.



MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 940-3785 FAX (704) 940-3794
MOSELEY ARCHITECTS .COM

NORTH CAROLINA PROFESSIONAL SEAL 045703 ENGINEER CHRISTOPHER P. BEVER
12 / 12 / 2023

MOSELEY ARCHITECTS P.A. NORTH CAROLINA CORPORATION C-3469 CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY, NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO:	DATE:
621373	December 12, 2023

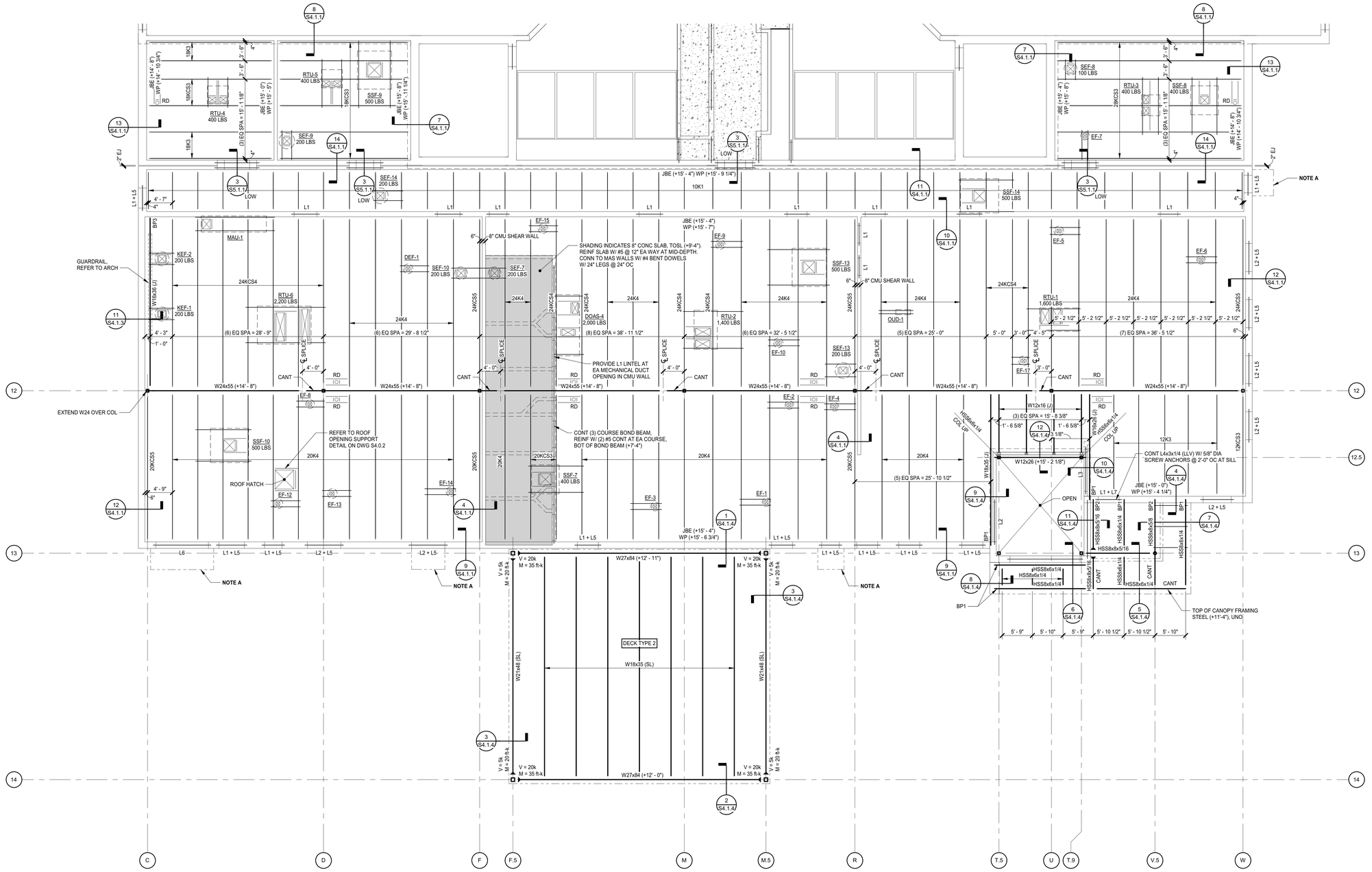
REVISIONS

DATE	DESCRIPTION

TIER LEVEL FRAMING PLAN - PART C - ADD ALT.

S2.1.3

12/12/2023 2:25:28 PM



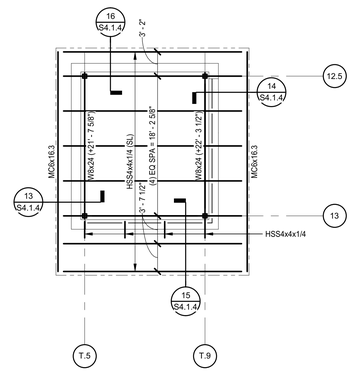
LOW ROOF FRAMING PLAN - PART A

1/8" = 1'-0"

ROOF FRAMING PLAN NOTES:

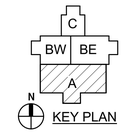
1. TOP OF STEEL BEAMS INDICATED THUS (+X'-X") ON PLAN SHALL BE REFERENCED FROM FINISHED FIRST FLOOR ELEVATION.
2. STEEL ROOF DECK SHALL BE 1 1/2" WIDE RIB ROOF DECK (DECK TYPE 1), UNO. REFER TO STEEL DECK SCHEDULE ON DRAWING S4.0.1 FOR DECK TYPES INDICATED ON PLAN. REFER TO FRAMING PLAN AND ARCHITECTURAL AND STRUCTURAL SECTIONS FOR EXTENT OF DECK TYPES.
3. ALL BEAMS AND JOISTS ARE EQUALLY SPACED BETWEEN COLUMN GRIDLINES, UNO.
4. REFER TO DRAWING S0.0.1 FOR GENERAL NOTES, PLAN LEGEND, AND STRUCTURAL ABBREVIATIONS.
5. REFER TO DRAWINGS S4.0.1 AND S4.0.2 FOR TYPICAL FRAMING DETAILS AND SCHEDULES.
6. WHERE JOISTS BEAR ON TOP OF COLUMN, PROVIDE 1/2" CAP PLATE. COORDINATE SIZE TO ALLOW FOR JOIST BOLTS WHERE REQUIRED.
7. PROVIDE A ONE COURSE BOND BEAM LINTEL WITH (2) #5 BARS OVER ALL SCUPPER LOCATIONS.

NOTE A: PRE-ENGINEERED CANOPY, CONNECTION TO CMU BY CANOPY MFR, GROUT CMU SOLID AT CONNECTIONS.



HIGH ROOF FRAMING PLAN - PART A - ENTRY

1/8" = 1'-0"



MOSELEYARCHITECTS
6210 ARDREY KELL ROAD THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 940-3755 FAX (704) 940-3754
MOSELEY ARCHITECTS .COM

NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL 045703 CHRISTOPHER D. PECK
12 / 12 / 2023

MOSELEY ARCHITECTS P.C. REGISTERED CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY, NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO:	DATE:
621373	December 12, 2023

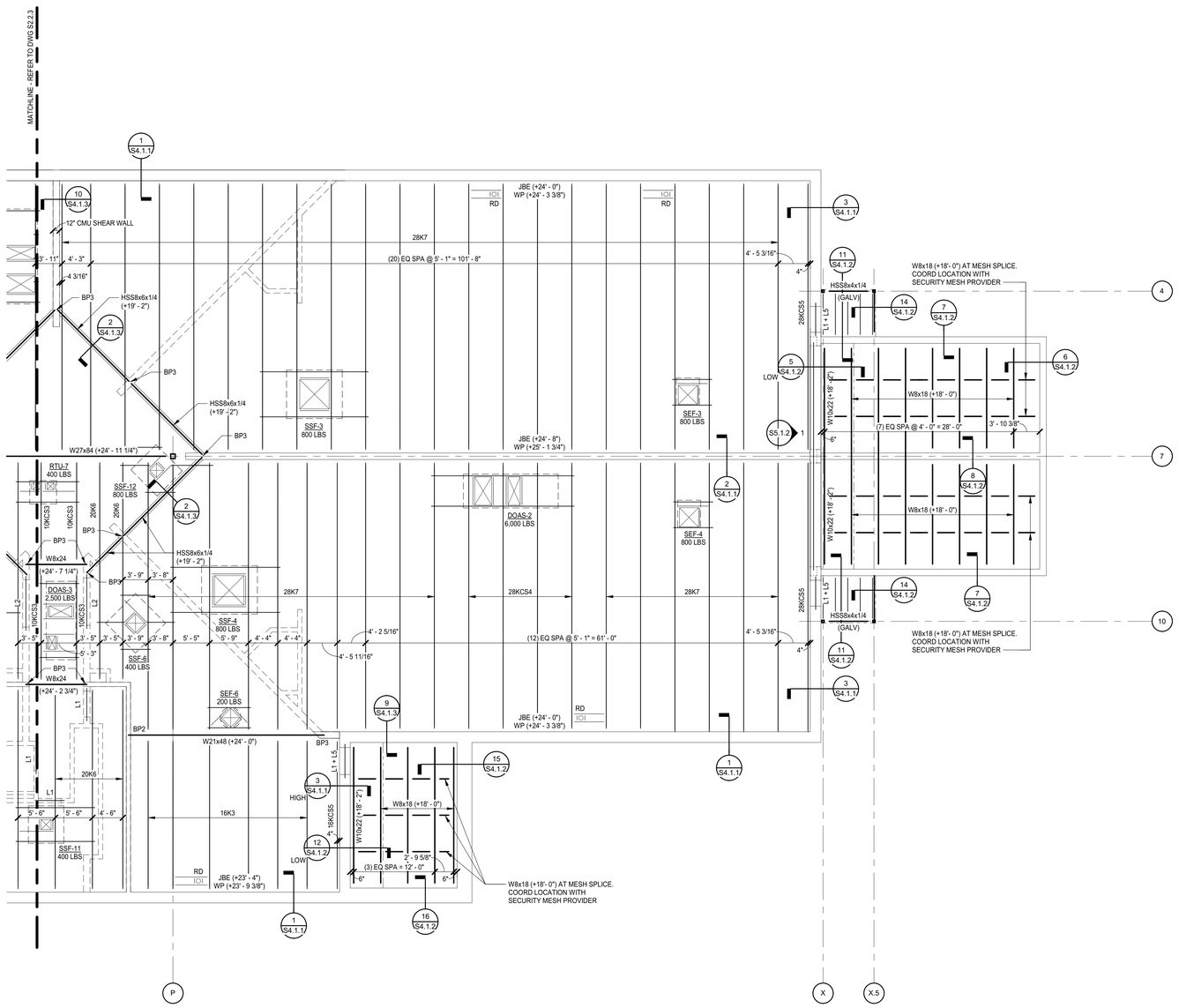
REVISIONS

DATE	DESCRIPTION

LOW ROOF FRAMING PLAN - PART A

S2.2.1

12/12/2023 2:25:32 PM



N

HIGH ROOF FRAMING PLAN - PART BE - BASE BID

1/8" = 1'-0"

NOTE:

1) REFER TO DRAWING S2.2.1 FOR ROOF FRAMING PLAN NOTES.

MOSELEYARCHITECTS

6210 ARDREY KELL ROAD THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045703 CHRISTOPHER S. FISHER

12 / 12 / 2023

MOSELEY ARCHITECTS P.A. CERTIFICATE OF AUTHORIZATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY, NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

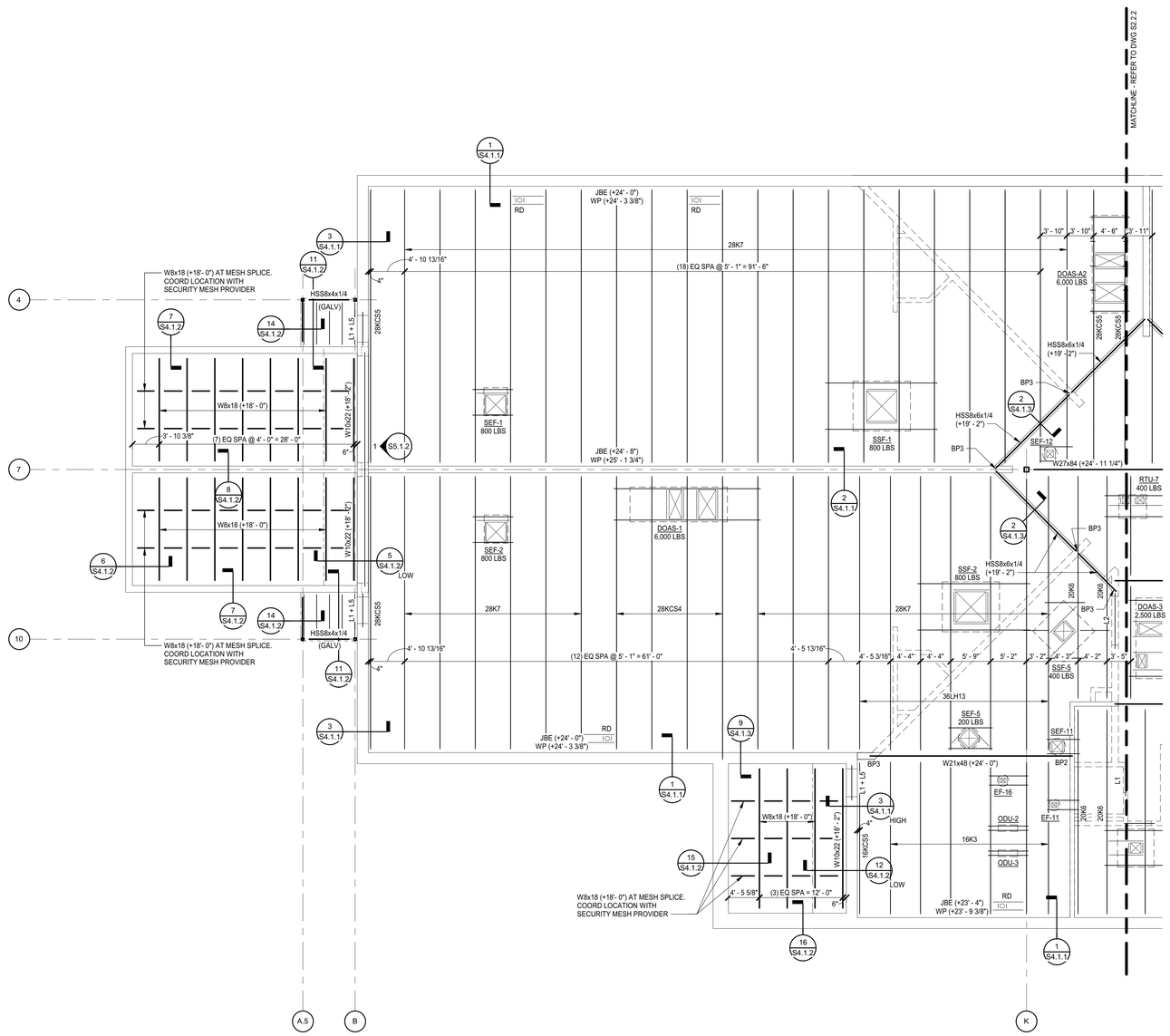
PROJECT NO.: 621373	DATE: December 12, 2023
REVISIONS	
DATE	DESCRIPTION

C
BW BE
A
N
KEY PLAN

HIGH ROOF FRAMING PLAN - PART BE - BASE BID

S2.2.2

12/12/2023 2:25:33 PM



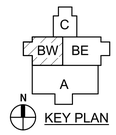
N

HIGH ROOF FRAMING PLAN - PART BW - BASE BID

1/8" = 1'-0"

NOTE:

1) REFER TO DRAWING S2.2.1 FOR ROOF FRAMING PLAN NOTES.



MOSELEYARCHITECTS
6210 ARDREY KELL ROAD THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 940-3755 FAX (704) 940-3754
MOSELEY ARCHITECTS .COM

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045703 CHRISTOPHER S. BEVER
12 / 12 / 2023

MOSELEY ARCHITECTS P.A. CORPORATE FIRM NUMBER C-3469 NORTH CAROLINA CHARLOTTE NC

DUPLIN COUNTY DETENTION CENTER

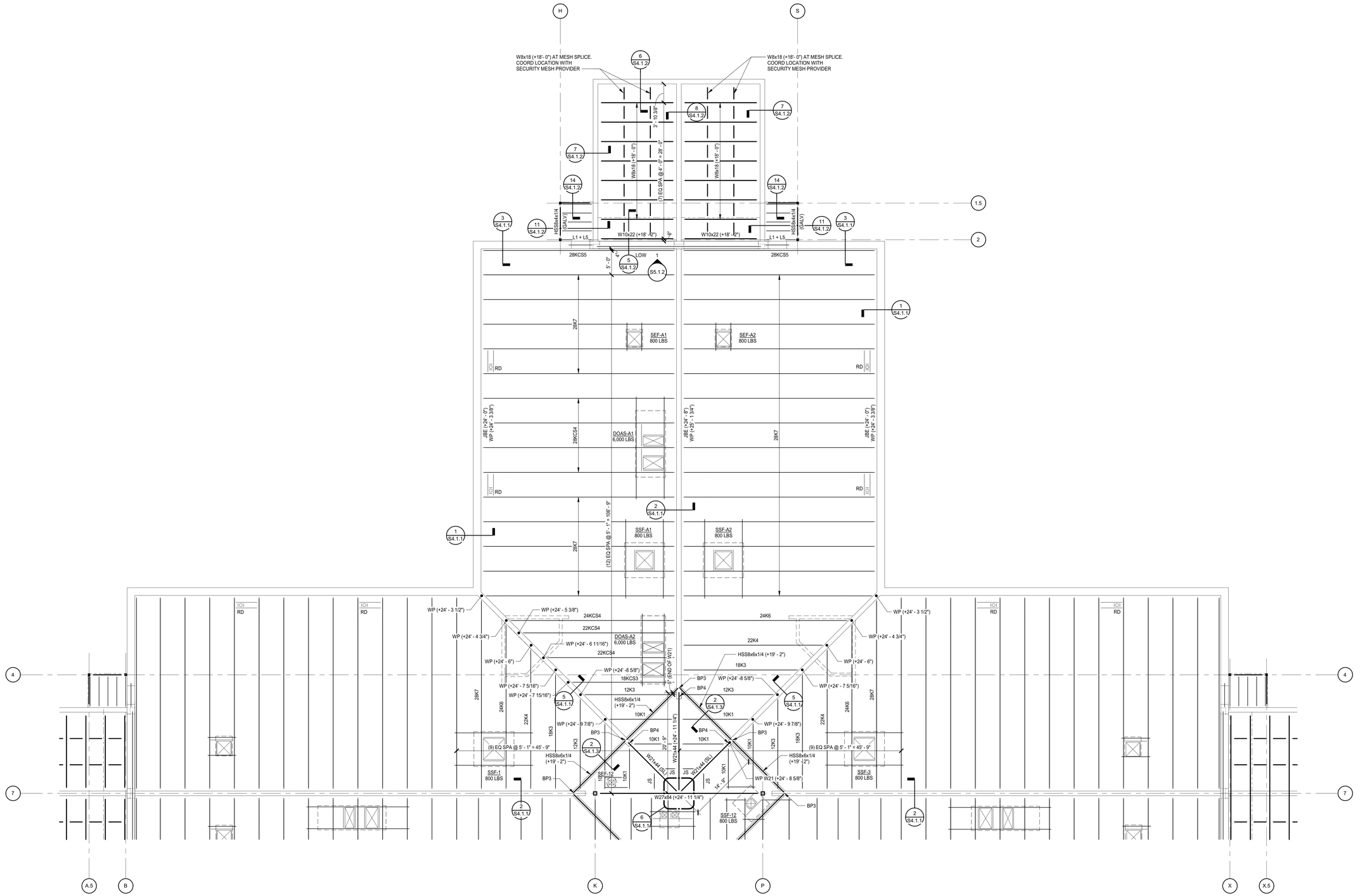
DHSR# - J-378
DUPLIN COUNTY, NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO: 621373	DATE: December 12, 2023
REVISIONS	
DATE	DESCRIPTION

HIGH ROOF FRAMING PLAN - PART BW - BASE BID

S2.2.3

12/12/2023 2:25:35 PM



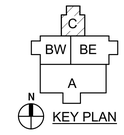
N

HIGH ROOF FRAMING PLAN - PART C - ADD ALT.

1/8" = 1'-0"

NOTE:

1) REFER TO DRAWING S2.2.1 FOR ROOF FRAMING PLAN NOTES.



MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 940-3795 FAX (704) 940-3794
MOSELEY ARCHITECTS .COM

NORTH CAROLINA PROFESSIONAL SEAL 045703 CHRISTOPHER S. BEVER ENGINEER
12 / 12 / 2023

MOSELEY ARCHITECTS P.A. NORTH CAROLINA CORPORATION C-3469 CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

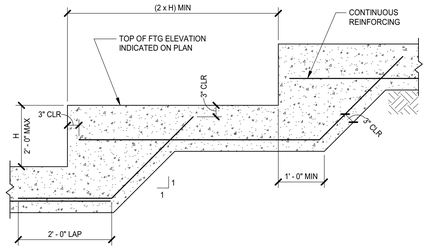
DHSR# - J-378
DUPLIN COUNTY, NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO: 621373	DATE: December 12, 2023
REVISIONS	
DATE	DESCRIPTION

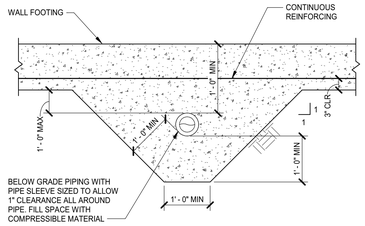
HIGH ROOF FRAMING PLAN - PART C - ADD ALT.

S2.2.4

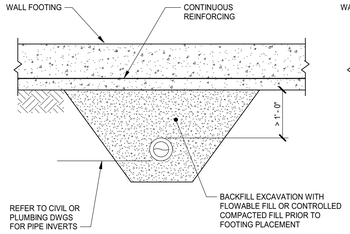
12/12/2023 2:25:37 PM



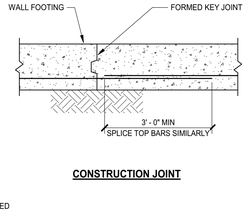
FOOTING STEP



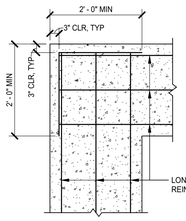
FOOTING SLEEVE



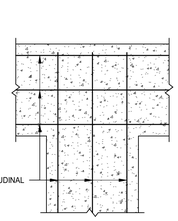
PIPE TRENCH BACKFILL AT FOOTING
(PIPE PLACED PRIOR TO FOOTING)



CONSTRUCTION JOINT

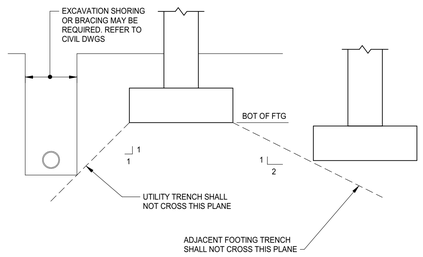


PLAN AT CORNER



PLAN AT INTERSECTION

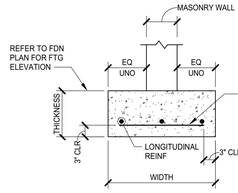
WALL FOOTING DETAILS
NO SCALE



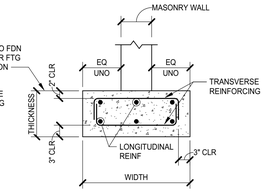
FOOTING EXCAVATION LIMITS
NO SCALE

WALL FOOTING SCHEDULE

MARK	WIDTH	THICKNESS	REINFORCING (BOT, UNO)	
			LONGITUDINAL	TRANSVERSE
SWF3.0	3' - 0"	1' - 4"	(4) #5 CONT (TOP & BOT)	#5 @ 16" OC (TOP & BOT)
WF2.0	2' - 0"	1' - 0"	(3) #5 CONT	#5 @ 48" OC
WF2.5	2' - 6"	1' - 0"	(3) #5 CONT	#5 @ 48" OC
WF3.0	3' - 0"	1' - 0"	(4) #5 CONT	#5 @ 24" OC
WF3.5	3' - 6"	1' - 0"	(4) #5 CONT	#5 @ 24" OC
WF4.0	4' - 0"	1' - 4"	(5) #5 CONT (TOP & BOT)	#5 @ 16" OC (TOP & BOT)

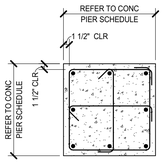


WITH BOT REINFORCING



WITH TOP & BOT REINFORCING

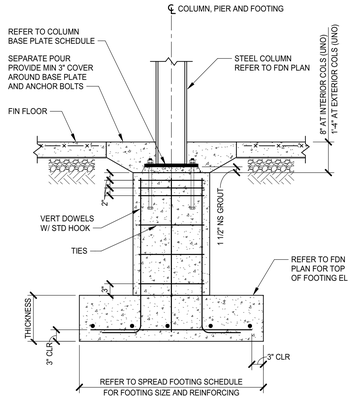
WALL FOOTING DETAILS
NO SCALE



(8) BARS

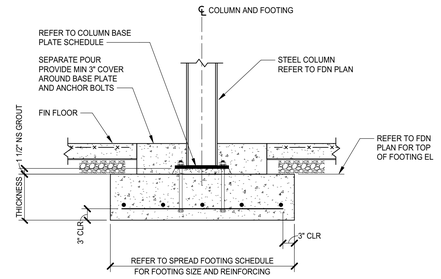
CONCRETE PIER SCHEDULE

MARK	SIZE		REINFORCING	
	LENGTH	WIDTH	VERTICAL	TIES
P-1	2' - 0"	2' - 0"	(8) #6 DOWELS	#4 @ 12" OC

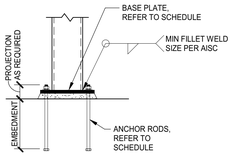


SPREAD FOOTING SCHEDULE

MARK	SIZE			REINFORCING
	LENGTH	WIDTH	THICKNESS	
S3.0	3' - 0"	3' - 0"	1' - 0"	(4) #5 EA WAY BOT
S4.0	4' - 0"	4' - 0"	1' - 0"	(4) #5 EA WAY BOT
S5.0	5' - 0"	5' - 0"	1' - 0"	(5) #5 EA WAY BOT
S5.0*	5' - 0"	5' - 0"	1' - 10"	(8) #5 EA WAY BOT
S6.0	6' - 0"	6' - 0"	1' - 0"	(6) #5 EA WAY BOT
S6.0*	6' - 0"	6' - 0"	1' - 4"	(6) #5 EA WAY, TOP & BOT
S7.0*	7' - 0"	7' - 0"	1' - 10"	(11) #5 EA WAY BOT



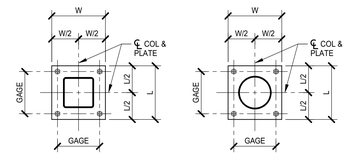
STEEL COLUMN FOOTING DETAILS
NO SCALE



STANDARD BASE (HSS)

COLUMN BASE PLATE SCHEDULE

MARK	BASE PLATE SIZE			HEADED ANCHOR RODS			BASE PLATE TYPE
	L	W	T	SIZE	EMBED	GAGE	
BP-A	0' - 10"	0' - 10"	3/4"	(4) 3/4" DIAM	9"	7"	<varies>
BP-B	1' - 0"	1' - 0"	3/4"	(4) 3/4" DIAM	9"	9"	STANDARD BASE
BP-C	1' - 2"	1' - 2"	3/4"	(4) 3/4" DIAM	9"	11"	STANDARD BASE



COLUMN BASE PLATE DETAILS
NO SCALE

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 940-3765 FAX (704) 940-3764
MOSELEY ARCHITECTS .COM

NORTH CAROLINA PROFESSIONAL SEAL 045703 ENGINEER CHRISTOPHER S. PETER
12 / 12 / 2023

MOSELEY ARCHITECTS P.A. CORPORATE FIRM NUMBER C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY, NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO:	DATE:
621373	December 12, 2023

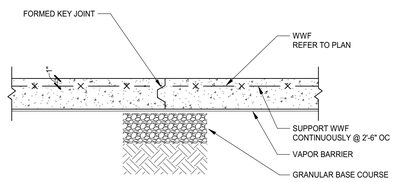
REVISIONS

DATE	DESCRIPTION

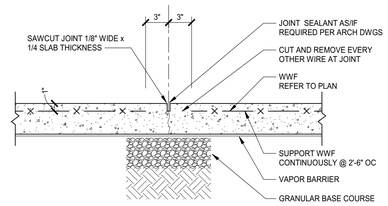
TYPICAL FOUNDATION DETAILS

S3.0.1

12/12/2023 2:25:39 PM



CONSTRUCTION JOINT



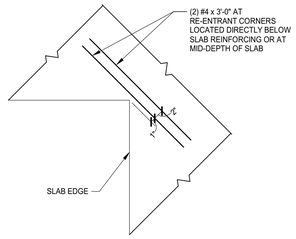
CONTROL JOINT

NOTES:

1. SAWCUT AS SOON AS CONCRETE WILL SUPPORT EQUIPMENT AND EARLY ENOUGH TO PREVENT CRACKING. DO NOT DISLODGE AGGREGATE.
2. CONSTRUCTION JOINT MAY REPLACE CONTROL JOINT.

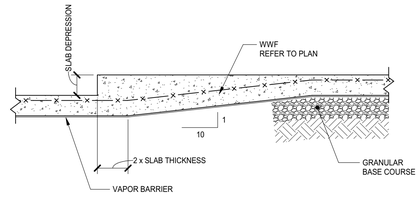
SLAB-ON-GRADE JOINT DETAILS

NO SCALE



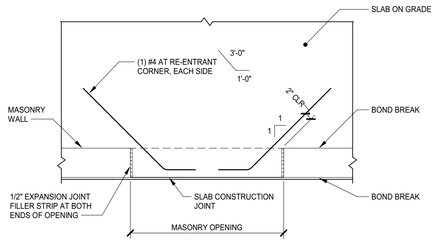
SLAB REINFORCING AT RE-ENTRANT CORNER

NO SCALE

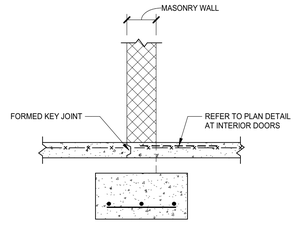


DETAIL AT SLAB DEPRESSION

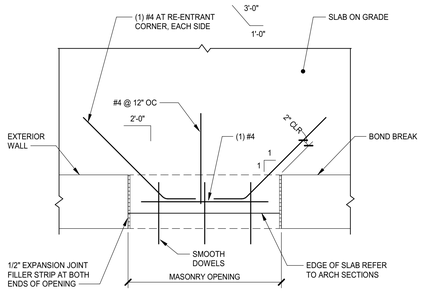
NO SCALE



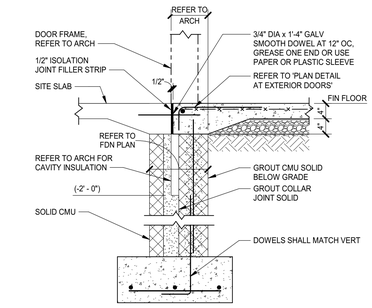
PLAN AT INTERIOR DOORS



SECTION AT INTERIOR DOORS



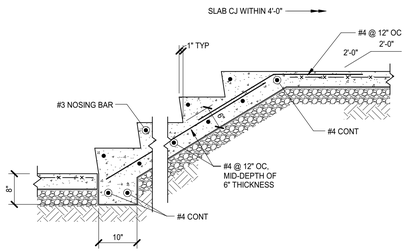
PLAN AT EXTERIOR DOORS



SECTION AT EXTERIOR DOORS

SLAB ON GRADE DETAILS AT DOORS

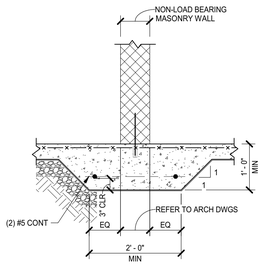
NO SCALE



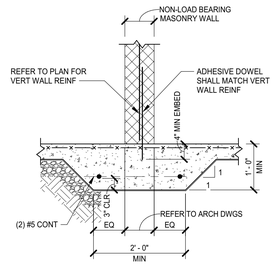
NOTE: REF ARCH DWGS FOR STAIR NOSING, RISE AND RUN.

INTERIOR CONCRETE STAIR DETAIL

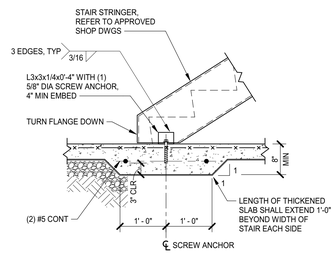
NO SCALE



UNREINFORCED WALLS



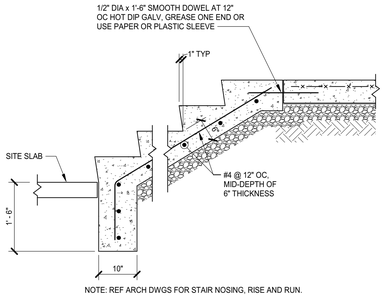
NON-LOAD BEARING REINFORCED WALLS



STAIR

THICKENED SLAB ON GRADE DETAILS

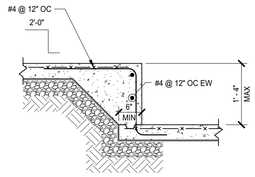
NO SCALE



NOTE: REF ARCH DWGS FOR STAIR NOSING, RISE AND RUN.

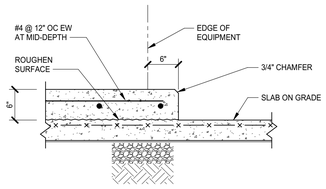
EXTERIOR CONCRETE STAIR DETAIL

NO SCALE



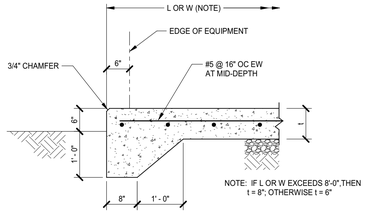
STEP IN SLAB ON GRADE

NO SCALE



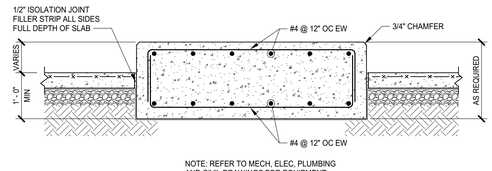
NOTE: REFER TO MECH, ELEC, PLUMBING AND CIVIL DRAWINGS FOR EQUIPMENT REQUIRING HOUSEKEEPING PAD

HOUSEKEEPING PAD



NOTE: REFER TO MECH, ELEC, PLUMBING AND CIVIL DRAWINGS FOR EQUIPMENT REQUIRING EXTERIOR PAD

EXTERIOR EQUIPMENT PAD



NOTE: REFER TO MECH, ELEC, PLUMBING AND CIVIL DRAWINGS FOR EQUIPMENT REQUIRING CONCRETE PAD

HEAVY EQUIPMENT PAD

EQUIPMENT PAD DETAILS

NO SCALE

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 940-3765 FAX (704) 540-3754
MOSELEY ARCHITECTS .COM

NORTH CAROLINA REGISTERED PROFESSIONAL SEAL 045703 ENGINEER CHRISTOPHER S. BEVER
12 / 12 / 2023

MOSELEY ARCHITECTS PROFESSIONAL CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY, NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO:	DATE:
621373	December 12, 2023

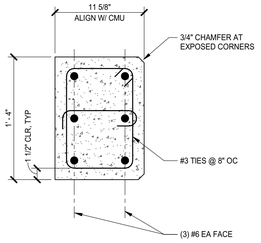
REVISIONS

DATE	DESCRIPTION

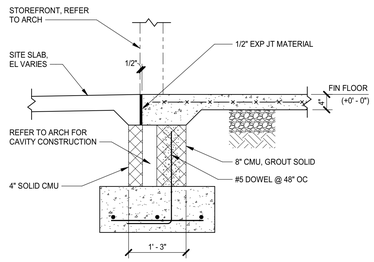
TYPICAL SLAB DETAILS

S3.0.2

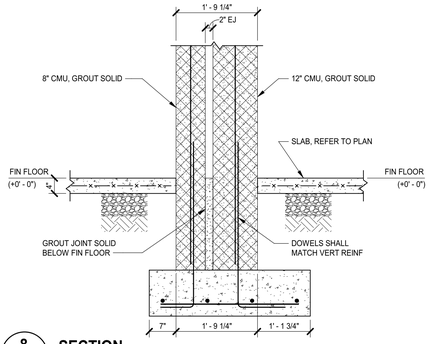
12/12/2023 2:25:40 PM



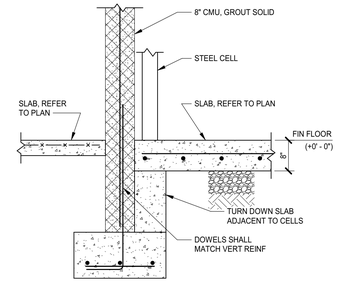
B S1.1.2 S3.1.1 S1.1.3 S1.1.4 **COLUMN DETAIL - B**
1 1/2" = 1'-0"



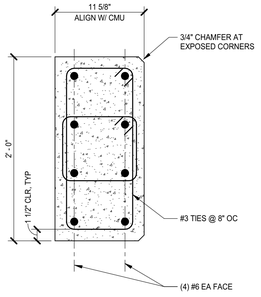
12 S1.1.1 S3.1.1 **SECTION**
3/4" = 1'-0"



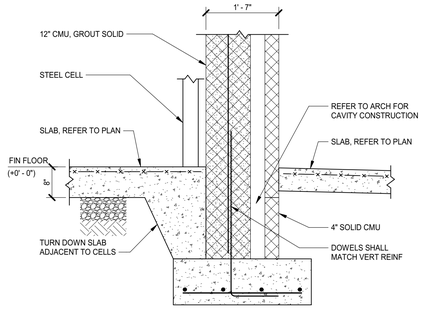
8 S1.1.1 S3.1.1 S1.1.2 S1.1.3 **SECTION**
3/4" = 1'-0"



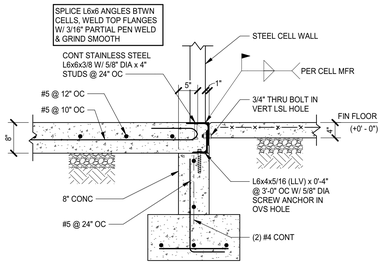
4 S1.1.2 S3.1.1 S1.1.3 S1.1.4 **SECTION**
3/4" = 1'-0"



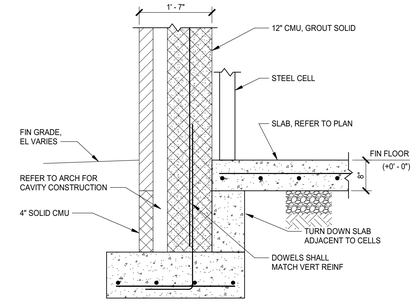
A S1.1.2 S3.1.1 S1.1.3 S1.1.4 **COLUMN DETAIL - A**
1 1/2" = 1'-0"



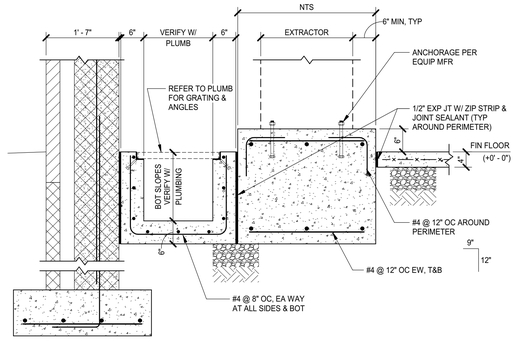
11 S1.1.2 S3.1.1 S1.1.3 **SECTION**
3/4" = 1'-0"



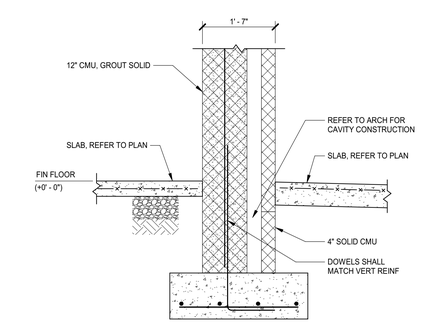
7 S1.1.2 S3.1.1 S1.1.3 S1.1.4 **SECTION**
3/4" = 1'-0"



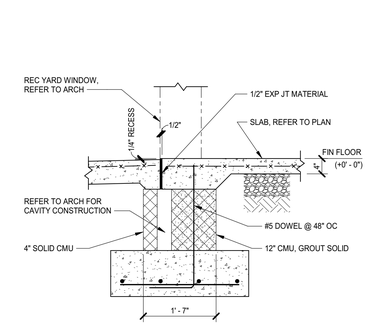
3 S1.1.2 S3.1.1 S1.1.3 S1.1.4 **SECTION**
3/4" = 1'-0"



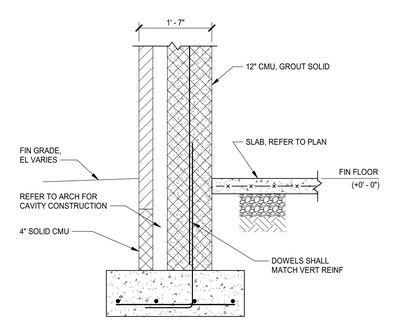
14 S1.1.3 S3.1.1 **SECTION**
3/4" = 1'-0"



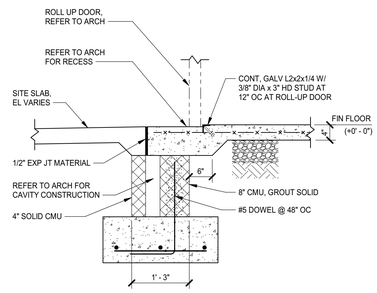
10 S1.1.2 S3.1.1 S1.1.3 **SECTION**
3/4" = 1'-0"



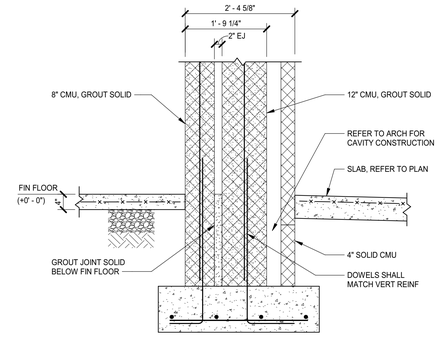
6 S1.1.2 S3.1.1 S1.1.4 **SECTION**
3/4" = 1'-0"



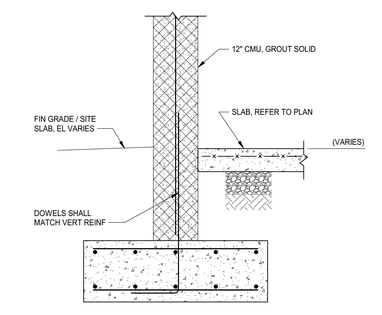
2 S1.1.1 S3.1.1 S1.1.2 S1.1.3 S1.1.4 **SECTION**
3/4" = 1'-0"



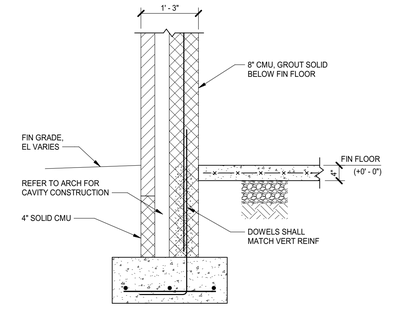
13 S1.1.1 S3.1.1 **SECTION**
3/4" = 1'-0"



9 S1.1.1 S3.1.1 S1.1.2 S1.1.3 **SECTION**
3/4" = 1'-0"



5 S1.1.2 S3.1.1 S1.1.3 S1.1.4 **SECTION**
3/4" = 1'-0"



1 S1.1.1 S3.1.1 **SECTION**
3/4" = 1'-0"

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 940-3765 FAX (704) 940-3764
MOSELEY ARCHITECTS .COM

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045703 CHRISTOPHER S. PEVEY
12 / 12 / 2023

MOSELEY ARCHITECTS, P.A. NORTH CAROLINA CORPORATION C-3469 NORTH CAROLINA REGISTERED CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY, NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO:	DATE:
621373	December 12, 2023

REVISIONS

DATE	DESCRIPTION

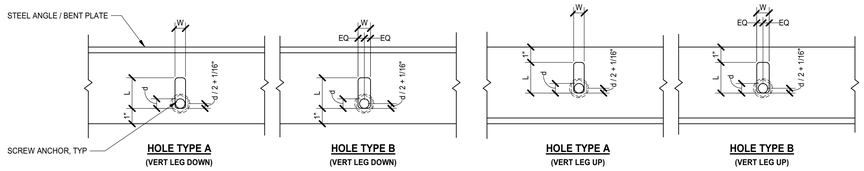
FOUNDATION SECTIONS

S3.1.1

12/12/2023 2:25:43 PM

SCREW ANCHOR HOLE SCHEDULE

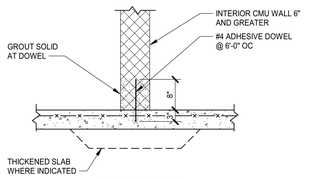
	STANDARD	OVERSIZED	HOLE TYPE A		HOLE TYPE B	
ANCHOR DIA	DIAMETER (in)	DIAMETER (in)	W (in)	L (in)	W (in)	L (in)
3/8"	**7/16**	**9/16**	**7/16**	**2**	**9/16**	**2**
1/2"	**9/16**	**11/16**	**9/16**	**2**	**11/16**	**2**
5/8"	**11/16**	**13/16**	**11/16**	**2**	**13/16**	**2**
3/4"	**13/16**	**15/16**	**13/16**	**2 1/4**	**15/16**	**2 1/4**
NOTES	**STANDARD HOLES, UNO**	**BACK SCREW ANCHORS OFF 1/2 TURN AFTER TIGHTENING**				



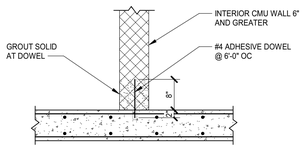
HOLE TYPE A (VERT LEG DOWN) | **HOLE TYPE B** (VERT LEG DOWN) | **HOLE TYPE A** (VERT LEG UP) | **HOLE TYPE B** (VERT LEG UP)

SCREW ANCHOR HOLE INSTALLATION DETAILS

NO SCALE



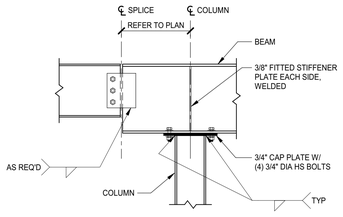
SLAB-ON-GRADE



FORMED CONCRETE SLAB

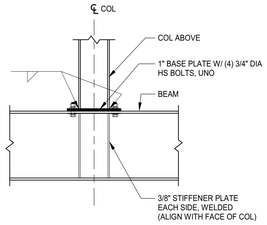
BASE ANCHORAGE OF UNREINFORCED CMU WALLS

NO SCALE



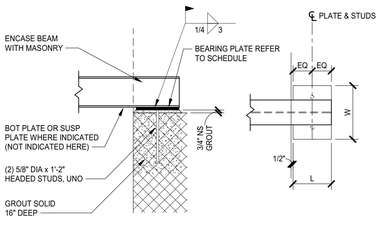
BEAM SPLICE OVER COLUMN

NO SCALE



COLUMN ON BEAM

NO SCALE



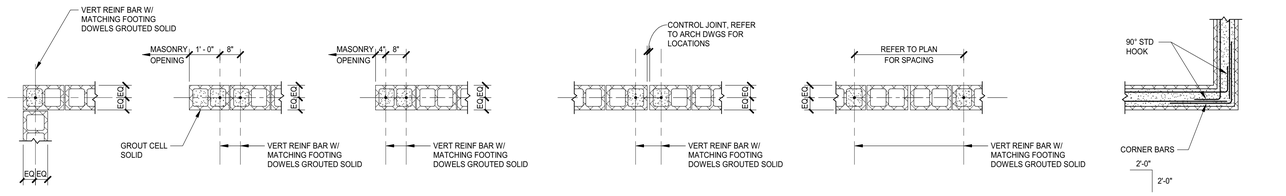
SECTION | **PLAN**

BEAM ANCHORAGE DETAILS

NO SCALE

BEARING PLATE SCHEDULE

MARK	SIZE			REMARKS
	W	t	L	
BP1	9"	3/4"	7"	
BP2	11"	3/4"	7"	
BP3	9"	3/4"	11"	
BP4	11"	3/4"	11"	
REFER TO BEAM ANCHORAGE DETAILS				



CORNER | **JAMB AT STEEL LINTEL** | **JAMB AT CMU BOND BEAM LINTEL** | **VERTICAL CONTROL JOINTS** | **TYPICAL REINFORCED WALL** | **BOND BEAM PLAN DETAIL AT CORNER**

NOTES:

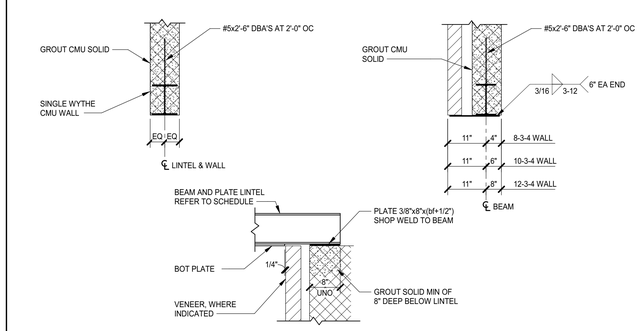
1. REINFORCING BAR SIZE INDICATED ON FOUNDATION PLAN.
2. DETAILS ARE PROVIDED FOR VERTICAL REINFORCING STEEL PLACEMENT ONLY. REFER TO ARCHITECTS DRAWINGS FOR SPECIFIC MASONRY DETAILS.
3. DO NOT PLACE CONDUIT IN CELLS CONTAINING STRUCTURAL REINFORCING.

CMU WALL REINFORCING DETAILS

NO SCALE

LINTEL SCHEDULE

MARK	DIAGRAM	BOND BEAM (W x H)	REINFORCING	STEEL	NOTES
L1		W x 8	(2) #5 CONT		W = CMU WALL WIDTH
L2		W x 16	(2) #5 CONT, EA COURSE		W = CMU WALL WIDTH
L3		W x 24	(2) #5 CONT, EA COURSE		W = CMU WALL WIDTH
L4		W x 32	(2) #5 CONT, EA COURSE		W = CMU WALL WIDTH
L5				CONT L6x4x5/16 (LLV)	LOOSE ANGLE TO SUPPORT VENEER
L6				W8x24 W/ 5/16" x 1'-2" BOTTOM PLATE	BP1 AT EACH END
L7	1/4"			CONT 5x5/16x0'-7" BENT PLATE (LLH) W/ 5/8" DIA SCREW ANCHORS @ 2'-0" OC	ANGLE TO SUPPORT VENEER



STEEL LINTEL DETAILS (CMU BACKUP)

LINTEL NOTES

1. LINTELS FOR ARCHITECTURAL OPENINGS (WINDOWS, DOORS, LOUVERS) IN BEARING WALLS AND EXTERIOR WALLS ARE IDENTIFIED BY MARK NUMBER ON THE FRAMING PLAN(S) AND INCLUDED IN THE LINTEL SCHEDULE.
2. LINTELS FOR ARCHITECTURAL OPENINGS IN NON-LOAD BEARING WALLS AND OTHER WALLS WHICH ARE NOT INDICATED ON THE FRAMING PLAN(S) SHALL BE CONSTRUCTED PER NOTES A, B OR C BELOW.

   A. STEEL ANGLE LINTELS

   PROVIDE ONE ANGLE FOR EACH NOMINAL 4" OF WALL THICKNESS PER THE FOLLOWING SCHEDULE.

MASONRY OPENING	ANGLE SIZE
UP TO 5'-0"	L3 1/2x3 1/2x 5/16
5'-1" TO 6'-0"	L4x3 1/2x 5/16 (LLV)
6'-1" TO 7'-0"	L5x3 1/2x 3/8 (LLV)
OVER 7'-0"	AS DETAILED

   FOR OPENINGS IN 10" CMU, HORIZONTAL LEGS OF ANGLES SHALL BE A COMBINATION OF 5" AND 4".

   FOR OPENINGS IN 6" CMU REQUIRING STEEL LINTELS, USE WT7x11 UP TO 7'-0" OPENING.

   B. REINFORCED BOND BEAM LINTELS

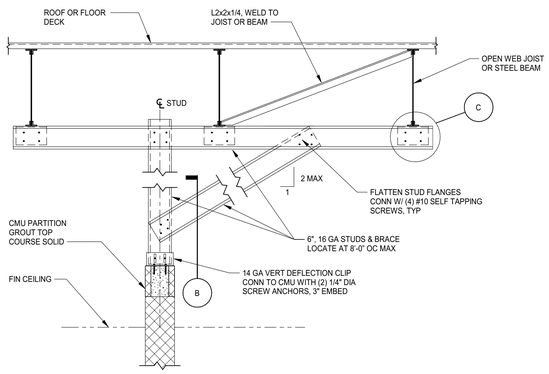
   LINTELS SHALL MATCH THICKNESS OF WALL. REINFORCE 8", 10" AND 12" BOND BEAM WITH (2) #5 BARS AT BOTTOM. REINFORCE 6" BOND BEAM WITH (1) #5 BAR AT BOTTOM. BOND BEAM SHALL BE 8" DEEP FOR OPENING WIDTH UP TO 5'-0", AND SHALL BEAR 8" ON SOLID MASONRY EACH END. BOND BEAM SHALL BE 16" DEEP FOR OPENING WIDTH UP TO 8'-0" AND SHALL BEAR 16" ON SOLID MASONRY EACH END WITH REINFORCING TOP AND BOTTOM. PLACE GROUT MONOLITHICALLY IN BOTH COURSES OF 16" DEEP BOND BEAM.

   C. PRECAST CONCRETE LINTELS

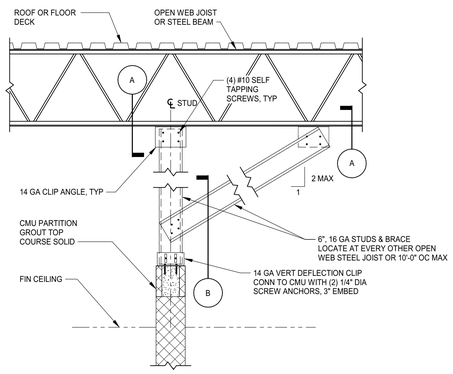
   PRECAST CONCRETE LINTELS SHALL BE 3 5/8" x 7 5/8" FOR EACH NOMINAL 4" THICKNESS OF WALL. REINFORCING SHALL BE (1) #4 TOP AND BOTTOM WITH 1 1/2" COVER. FOR OPENINGS IN 6" CMU, LINTEL SHALL BE 5 5/8" x 7 5/8", REINFORCED WITH (1) #5 TOP AND BOTTOM. MASONRY OPENING WIDTH SHALL BE 6'-0" OR LESS. DO NOT USE PRECAST CONCRETE LINTELS IN EXPOSED LOCATIONS.
3. LINTELS FOR MECHANICAL DUCTWORK PENETRATIONS NOT OTHERWISE DETAILED SHALL BE ONE OF THE ABOVE (NOTE 2A, 2B OR 2C).
4. LINTELS SHALL BEAR 8" ONTO SOLID OR GROUT FILLED MASONRY, UNLESS OTHERWISE INDICATED.
5. LINTELS ARE REQUIRED OVER ALL MASONRY OPENINGS GREATER THAN 8" IN WIDTH.
6. LINTELS ARE NOT REQUIRED ABOVE HOLLOW METAL FRAMES IN OPENINGS 3'-4" OR LESS IN 6" NON-BEARING MASONRY PARTITIONS. GROUT HEAD OF FRAMES SOLID BEFORE PLACING MASONRY.
7. ALL LINTELS IN EXTERIOR WALLS SHALL BE GALVANIZED.

STEEL DECK SCHEDULE

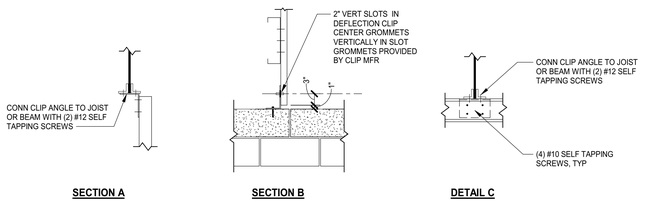
DECK TYPE 1	1 1/2" - 20 GAGE WIDE RIB ROOF DECK, GALVANIZED	FASTEN TO ALL SUPPORTS WITH #12 TEK SCREWS AT 36/7 PATTERN, AND AT 6" OC AT ALL EDGES AND END LAPS. FASTEN SIDELAPS WITH #10 TEK SCREWS AT MID-SPAN AND NOT GREATER THAN 12" OC.
DECK TYPE 2	1 1/2" - 20 GAGE WIDE RIB ROOF DECK W/ BOTTOM PANEL, GALVANIZED	FASTEN TO ALL SUPPORTS WITH 5/8" DIAMETER PUDDLE WELDS AT 36/4 PATTERN, AND AT 6" OC AT ALL EDGES AND END LAPS. FASTEN SIDELAPS WITH #10 TEK SCREWS AT MID-SPAN AND NOT GREATER THAN 36" OC.



LOW WALL PARALLEL TO JOIST OR BEAM



LOW WALL PERPENDICULAR TO JOIST OR BEAM



SECTION A | **SECTION B** | **DETAIL C**

NOTES:

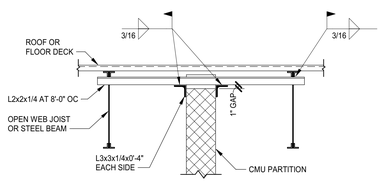
1. BRACE INTERIOR NON-LOAD BEARING MASONRY WALLS IN ACCORDANCE WITH THESE DETAILS UNLESS OTHERWISE INDICATED.
2. IN LIEU OF BRACING AT TOPS OF WALLS, BRACING MAY BE PROVIDED BY INTERSECTING MASONRY WALLS WHEN THE DISTANCE BETWEEN THE INTERSECTING WALLS DOES NOT EXCEED THE FOLLOWING:

NOMINAL THICKNESS OF BRACED WALLS	MAXIMUM SPACING BETWEEN INTERSECTING WALLS
4"	12'-0"
6"	16'-0"
8"	22'-0"
10"	26'-0"
12"	30'-0"

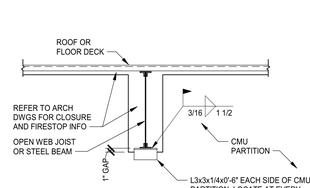
3. BRACING IS REQUIRED IN ACCORDANCE WITH THESE DETAILS IF A VERTICAL CONTROL JOINT OCCURS BETWEEN INTERSECTING WALLS.
4. REFER TO ARCHITECTURAL DRAWINGS FOR INTERIOR PARTITION TYPES AND LOCATIONS.
5. INSTALL BRACING AFTER ALL ROOF DEAD LOAD IS IN PLACE.

BRACING DETAILS FOR NON-LOAD BEARING INTERIOR MASONRY PARTITIONS

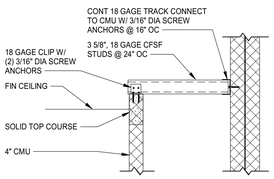
NO SCALE



WALL TO UNDERSIDE OF DECK PARALLEL TO JOISTS



WALL TO UNDERSIDE OF DECK PERPENDICULAR TO JOISTS



4" CMU TOP OF WALL BRACING

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 940-3765 FAX (704) 940-3764
MOSELEY ARCHITECTS .COM

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045703 CHRISTOPHER S. PENFIELD
12 / 12 / 2023

MOSELEY ARCHITECTS P.A. CORPORATE C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

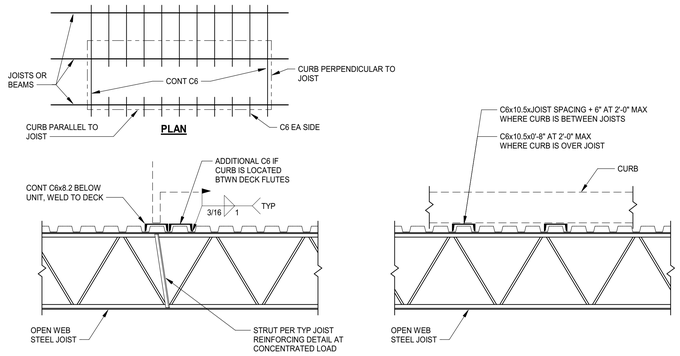
DHSR# - J-378
DUPLIN COUNTY, NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO: 621373	DATE: December 12, 2023
REVISIONS	
DATE	DESCRIPTION

TYPICAL MASONRY WALL AND LINTEL DETAILS

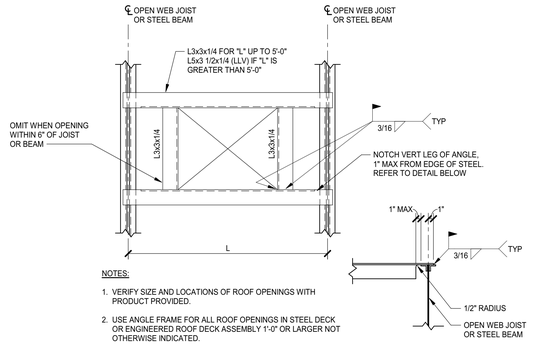
S4.0.1

12/12/2023 2:25:45 PM



RTU CURB SUPPORT DETAILS

NO SCALE

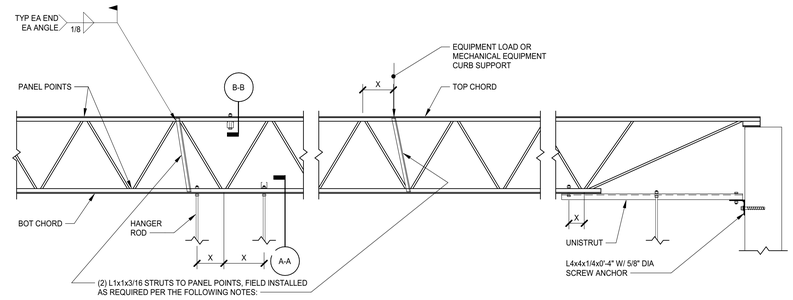


NOTES:

1. VERIFY SIZE AND LOCATIONS OF ROOF OPENINGS WITH PRODUCT PROVIDED.
2. USE ANGLE FRAME FOR ALL ROOF OPENINGS IN STEEL DECK OR ENGINEERED ROOF DECK ASSEMBLY 1'-0" OR LARGER NOT OTHERWISE INDICATED.

ROOF OPENING SUPPORT DETAIL

NO SCALE



K-SERIES JOISTS:

1. WHERE UTILITIES RUN PARALLEL TO JOISTS, INDIVIDUAL HANGERS SHALL BE SPACED SUCH THAT HANGER LOAD (IF DIRECTLY BELOW JOIST), OR UNISTRUT REACTION (IF PIPE IS BETWEEN JOISTS) DOES NOT EXCEED 200 LBS.
2. WHERE UTILITIES RUN PERPENDICULAR TO JOISTS, INDIVIDUAL HANGERS SHALL BE SPACED SUCH THAT HANGER LOAD DOES NOT EXCEED 200 LBS.
3. IF INDIVIDUAL HANGER LOAD EXCEEDS 200 LBS ON ANY JOIST, AND DIMENSION "X" EXCEEDS 6", STRUTS SHALL BE INSTALLED AS INDICATED ABOVE.
4. WHERE MULTIPLE HANGERS ARE LOCATED BETWEEN PANEL POINTS, THE CUMULATIVE LOAD SHALL NOT EXCEED 200 LBS.

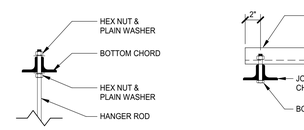
KCS AND LH-SERIES JOISTS:

1. WHERE UTILITIES RUN PARALLEL TO JOISTS, INDIVIDUAL HANGERS SHALL BE SPACED SUCH THAT HANGER LOAD (IF DIRECTLY BELOW JOIST), OR UNISTRUT REACTION (IF PIPE IS BETWEEN JOISTS) DOES NOT EXCEED 500 LBS.
2. WHERE UTILITIES RUN PERPENDICULAR TO JOISTS, INDIVIDUAL HANGERS SHALL BE SPACED SUCH THAT HANGER LOAD DOES NOT EXCEED 500 LBS. OR HANGER SHALL BE LOCATED AT EA JOIST.
3. IF INDIVIDUAL HANGER LOAD EXCEEDS 500 LBS ON ANY JOIST, AND DIMENSION "X" EXCEEDS 6", STRUTS SHALL BE INSTALLED AS INDICATED ABOVE.
4. WHERE MULTIPLE HANGERS ARE LOCATED BETWEEN PANEL POINTS, THE CUMULATIVE LOAD SHALL NOT EXCEED 500 LBS.

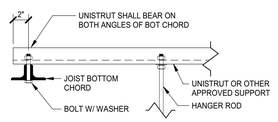
GENERAL:

1. C-CLAMPS SHALL NOT BE USED WHERE HANGER LOAD EXCEEDS 50 LBS.
2. REFER TO DRAWING S0.0.1 FOR STEEL JOIST NOTES.

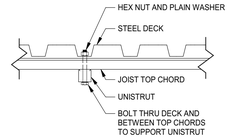
NOTE:
THE GENERAL CONTRACTOR SHALL COORDINATE THESE REQUIREMENTS FOR HANGER SPACING AND JOIST REINFORCING STRUTS WITH MECHANICAL, PLUMBING, AND FIRE PROTECTION TRADES IN ORDER TO ENSURE THAT THESE REQUIREMENTS ARE ACCOUNTED FOR IN THE BID PRICE AND IMPLEMENTED IN THE FIELD. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE REINFORCING STRUTS IN ALL CASES WHERE THE HANGER LOAD EXCEEDS THE MAXIMUM. IF HANGER LOCATIONS ARE COORDINATED TO COMPLY WITH THE MAXIMUM HANGER LOADS INDICATED IN THIS DETAIL, THE NUMBER OF JOIST REINFORCING STRUTS WILL BE MINIMIZED.



NOTE: CONTRACTOR SHALL PROVIDE DESIGN OF HANGER ASSEMBLY. C-CLAMPS PERMITTED WHEN LOAD IS LESS THAN 50 LBS



SECTION A-A

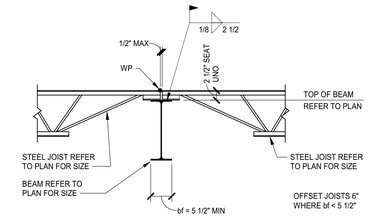


SECTION B-B

TYPICAL LOAD SUPPORTED FROM JOIST DETAIL

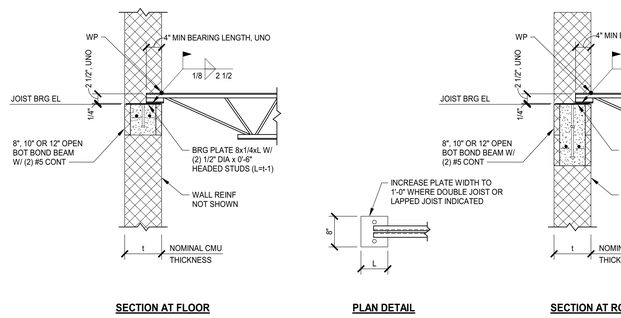
NO SCALE

LH JOIST WELD TABLE	
JOIST SECTION	MINIMUM FILLET WELD
LH02-06	(2) 3/16" x 2 1/2"
LH07-17	(2) 1/4" x 2 1/2"



CONNECTION OF K SERIES STEEL JOIST TO STEEL BEAM

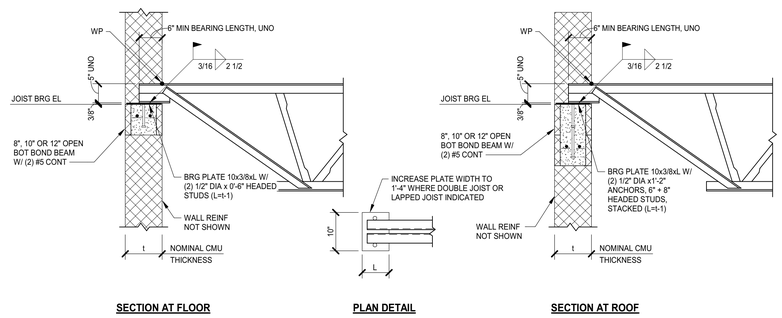
NO SCALE



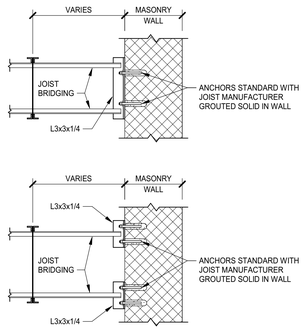
SECTION AT FLOOR **PLAN DETAIL** **SECTION AT ROOF**

CONNECTION OF LH SERIES STEEL JOIST TO STEEL BEAM

NO SCALE



SECTION AT FLOOR **PLAN DETAIL** **SECTION AT ROOF**



K SERIES STEEL JOIST BRIDGING ANCHORAGE

NO SCALE

TYPICAL K SERIES STEEL JOIST ANCHORAGE DETAILS AT CMU WALLS

NO SCALE

TYPICAL LH SERIES STEEL JOIST ANCHORAGE DETAILS AT CMU WALLS

NO SCALE

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 940-3755 FAX (704) 940-3754
MOSELEY ARCHITECTS .COM

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045703 CHRISTOPHER S. BEVER
12 / 12 / 2023

MOSELEY ARCHITECTS, P.A. NORTH CAROLINA CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY, NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO:	DATE:
621373	December 12, 2023

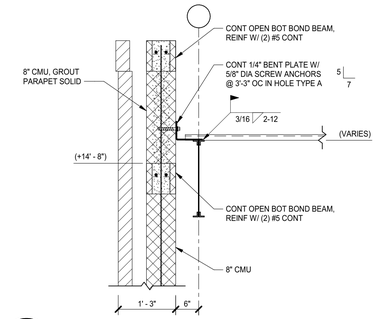
REVISIONS

DATE	DESCRIPTION

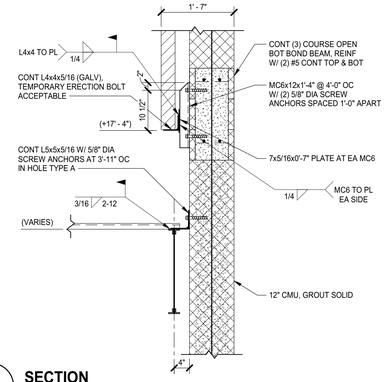
TYPICAL FRAMING DETAILS

S4.0.2

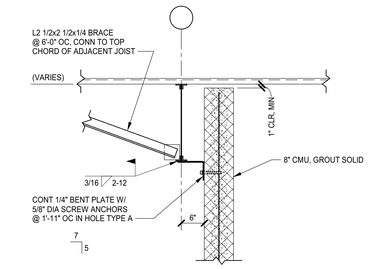
12/12/2023 2:25:47 PM



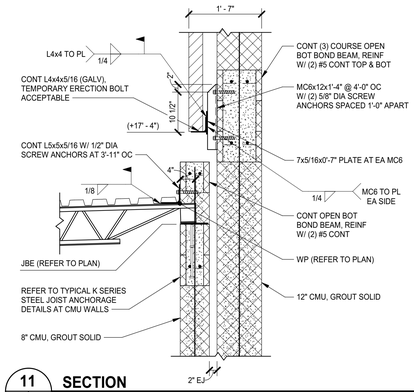
12 S2.2.1 | S4.1.1 **SECTION** 3/4" = 1'-0"



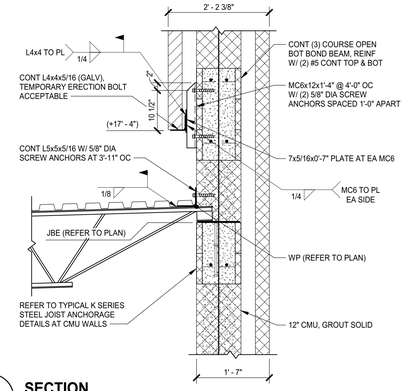
8 S2.2.1 | S4.1.1 **SECTION** 3/4" = 1'-0"



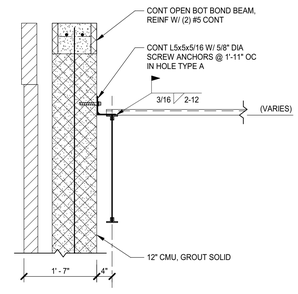
4 S2.2.1 | S4.1.1 **SECTION** 3/4" = 1'-0"



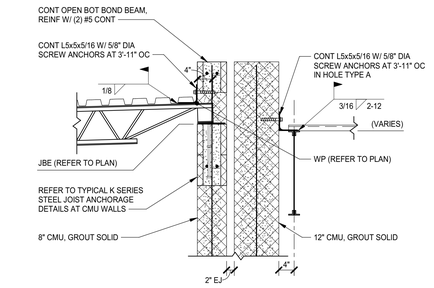
11 S2.2.1 | S4.1.1 **SECTION** 3/4" = 1'-0"



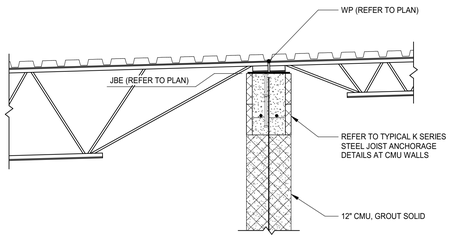
7 S2.2.1 | S4.1.1 **SECTION** 3/4" = 1'-0"



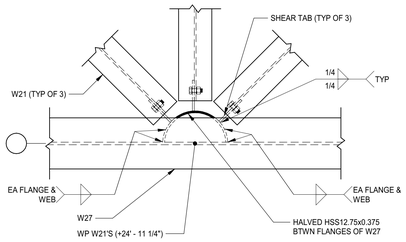
3 S2.2.2 | S4.1.1 S2.2.3 S2.2.4 **SECTION** 3/4" = 1'-0"



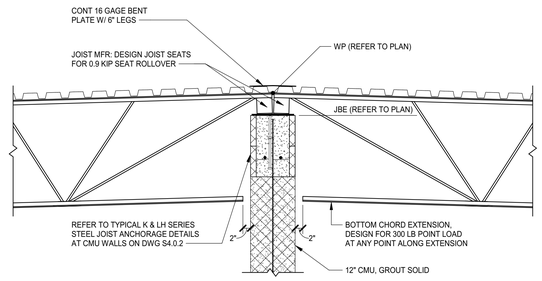
14 S2.2.1 | S4.1.1 **SECTION** 3/4" = 1'-0"



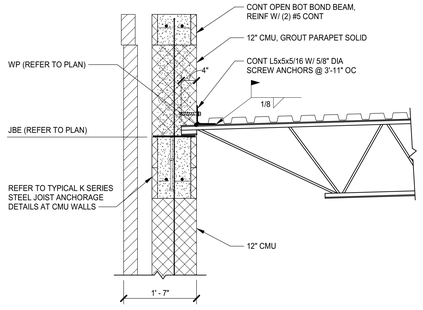
10 S2.2.1 | S4.1.1 **SECTION** 3/4" = 1'-0"



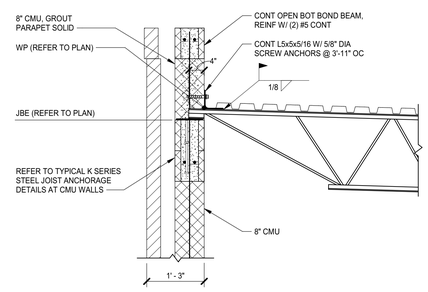
6 S2.2.4 | S4.1.1 **SECTION** 1" = 1'-0"



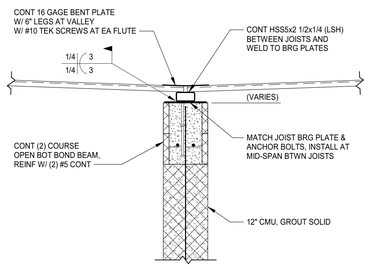
2 S2.2.2 | S4.1.1 S2.2.3 S2.2.4 **SECTION** 3/4" = 1'-0"



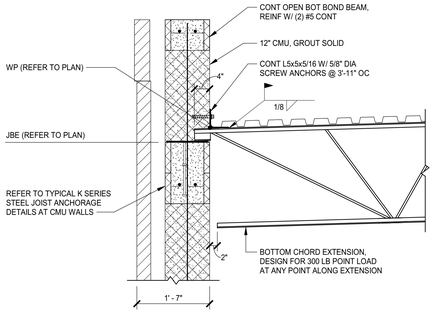
13 S2.2.1 | S4.1.1 **SECTION** 3/4" = 1'-0"



9 S2.2.1 | S4.1.1 **SECTION** 3/4" = 1'-0"



5 S2.2.4 | S4.1.1 **SECTION** 3/4" = 1'-0"



1 S2.2.2 | S4.1.1 S2.2.3 S2.2.4 **SECTION** 3/4" = 1'-0"

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 940-3795 FAX (704) 940-3754
MOSELEY ARCHITECTS .COM

NORTH CAROLINA PROFESSIONAL SEAL 045703 CHRISTOPHER S. FEHR ENGINEER
12 / 12 / 2023

MOSELEY ARCHITECTS, P.A. CORPORATE NUMBER C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY, NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO:	DATE:
621373	December 12, 2023

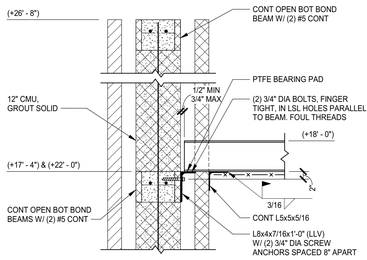
REVISIONS

DATE	DESCRIPTION

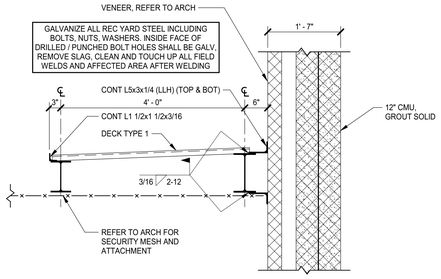
FRAMING SECTIONS

S4.1.1

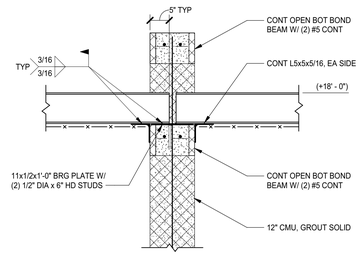
12/12/2023 2:25:50 PM



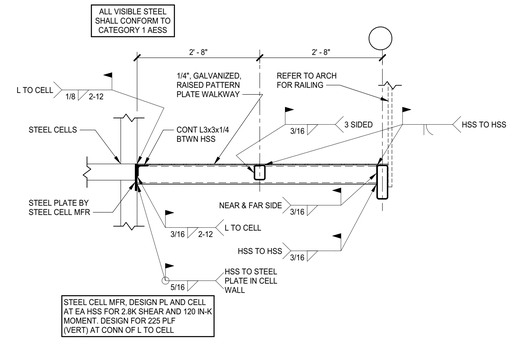
16 SECTION S2.2.2 S4.1.2 S2.2.3 — 3/4" = 1'-0"



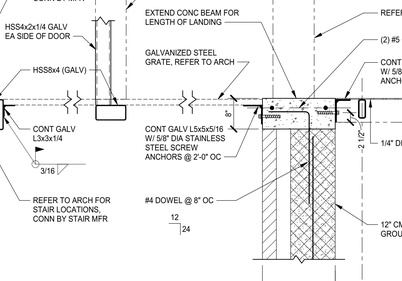
12 SECTION S2.2.2 S4.1.2 S2.2.3 — 3/4" = 1'-0"



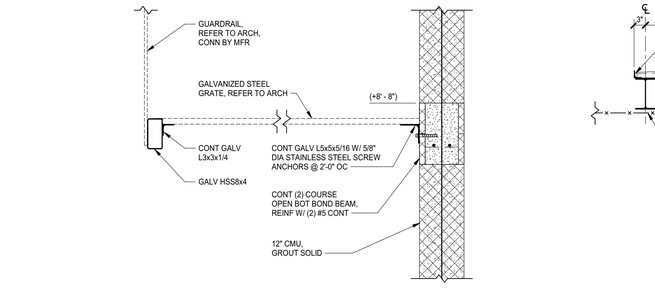
8 SECTION S2.2.2 S4.1.2 S2.2.3 S2.2.4 — 3/4" = 1'-0"



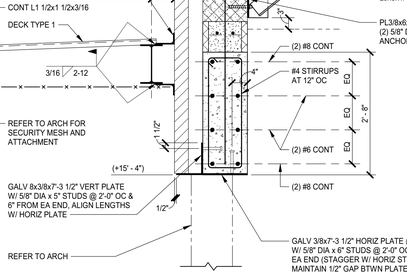
4 SECTION S2.1.1 S4.1.2 S2.1.2 S2.1.3 — 3/4" = 1'-0"



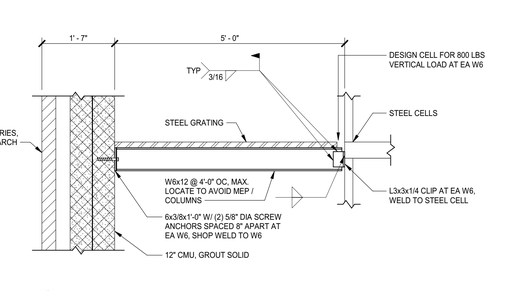
15 SECTION S2.2.2 S4.1.2 S2.2.3 — 3/4" = 1'-0"



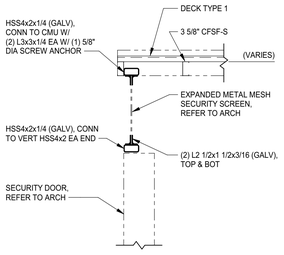
11 SECTION S2.2.2 S4.1.2 S2.2.3 S2.2.4 — 3/4" = 1'-0"



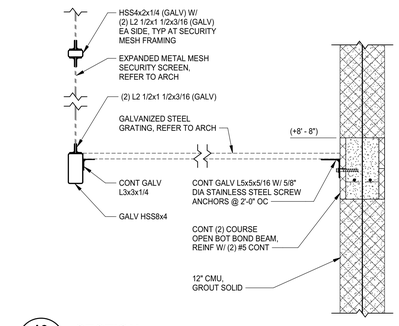
7 SECTION S2.2.2 S4.1.2 S2.2.3 S2.2.4 — 3/4" = 1'-0"



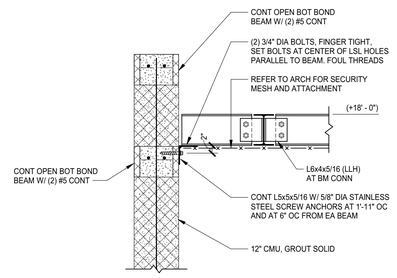
3 SECTION S2.1.2 S4.1.2 — 3/4" = 1'-0"



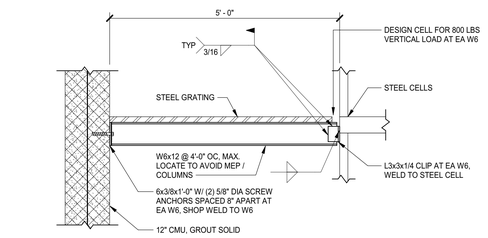
14 SECTION S2.2.2 S4.1.2 S2.2.3 S2.2.4 — 3/4" = 1'-0"



10 SECTION S2.1.1 S4.1.2 S2.1.2 S2.1.3 — 3/4" = 1'-0"



6 SECTION S2.2.2 S4.1.2 S2.2.3 S2.2.4 — 3/4" = 1'-0"



2 SECTION S2.1.1 S4.1.2 S2.1.2 — 3/4" = 1'-0"

13 SECTION S2.1.1 S4.1.2 S2.1.2 S2.1.3 — 3/4" = 1'-0"

9 SECTION S2.1.1 S4.1.2 S2.1.2 S2.1.3 — 3/4" = 1'-0"

5 SECTION S2.2.2 S4.1.2 S2.2.3 S2.2.4 S5.1.2 — 3/4" = 1'-0"

1 SECTION S2.1.1 S4.1.2 S2.1.2 S2.1.3 — 3/4" = 1'-0"

MOSELEY ARCHITECTS
4210 AUDREY KELL ROAD THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 940-3765 FAX (704) 940-3764
MOSELEY ARCHITECTS .COM

NORTH CAROLINA PROFESSIONAL SEAL 045703 ENGINEER CHRISTOPHER B. FENTER
12 / 12 / 2023

MOSELEY ARCHITECTS, P.A. NORTH CAROLINA CORPORATION C-3469 CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY, NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO:	DATE:
621373	December 12, 2023

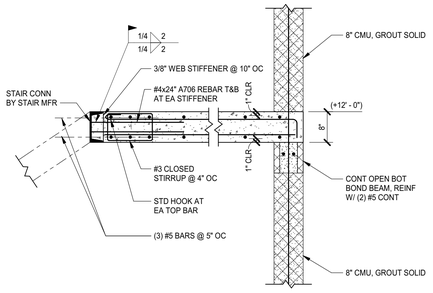
REVISIONS

DATE	DESCRIPTION

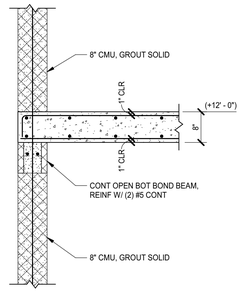
FRAMING SECTIONS

S4.1.2

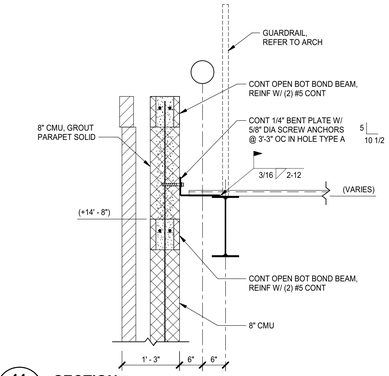
12/12/2023 2:25:53 PM



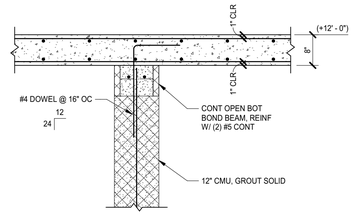
8 S2.1.1 | S4.1.3 **SECTION** 3/4" = 1'-0"



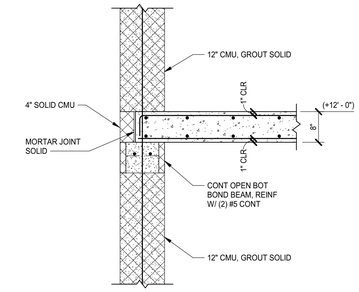
4 S2.1.1 | S4.1.3 | S2.1.2 **SECTION** 3/4" = 1'-0"



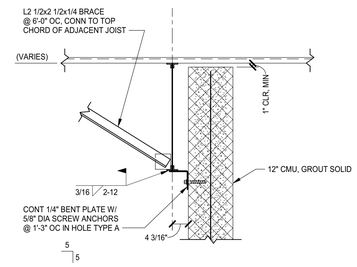
11 S2.2.1 | S4.1.3 **SECTION** 3/4" = 1'-0"



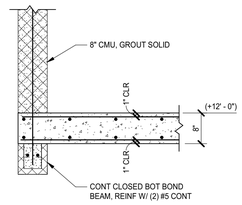
7 S2.1.1 | S4.1.3 | S2.1.2 **SECTION** 3/4" = 1'-0"



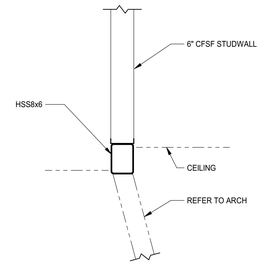
3 S2.1.1 | S4.1.3 | S2.1.2 **SECTION** 3/4" = 1'-0"



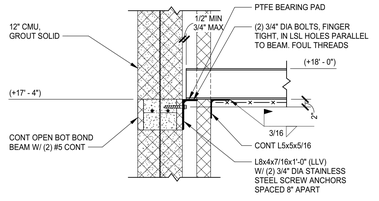
10 S2.2.2 | S4.1.3 **SECTION** 3/4" = 1'-0"



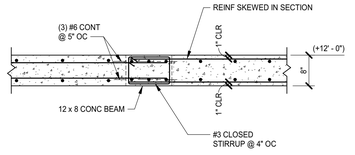
6 S2.1.2 | S4.1.3 **SECTION** 3/4" = 1'-0"



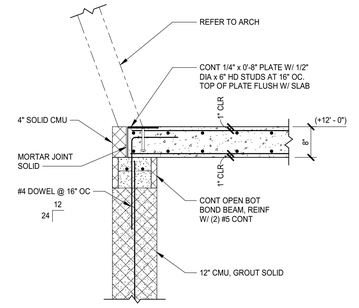
2 S2.2.2 | S4.1.3 | S2.2.3 | S2.2.4 **SECTION** 3/4" = 1'-0"



9 S2.2.2 | S4.1.3 | S2.2.3 **SECTION** 3/4" = 1'-0"



5 S2.1.1 | S4.1.3 **SECTION** 3/4" = 1'-0"



1 S2.1.1 | S4.1.3 | S2.1.2 | S2.1.3 **SECTION** 3/4" = 1'-0"

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 940-3795 FAX (704) 940-3794
MOSELEY ARCHITECTS .COM

NORTH CAROLINA PROFESSIONAL SEAL 045703 ENGINEER CHRISTOPHER S. BENTLEY
12 / 12 / 2023

MOSELEY ARCHITECTS, P.A. NORTH CAROLINA CORPORATION C-3469 CHARLOTTE, N.C.

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY, NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO:	DATE:
621373	December 12, 2023

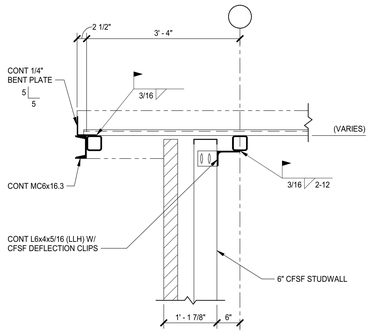
REVISIONS

DATE	DESCRIPTION

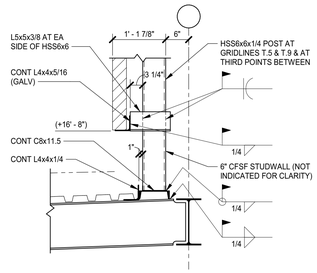
FRAMING SECTIONS

S4.1.3

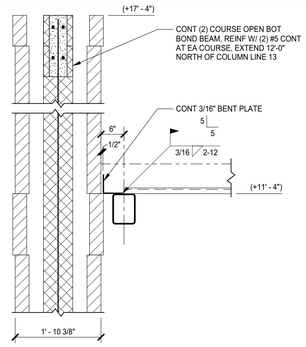
12/12/2023 2:25:55 PM



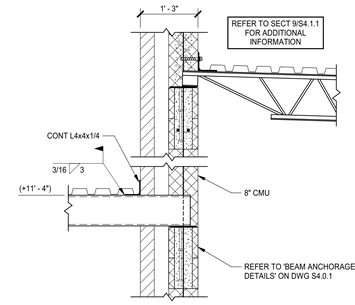
16 SECTION S2.2.1 | S4.1.4 — 3/4" = 1'-0"



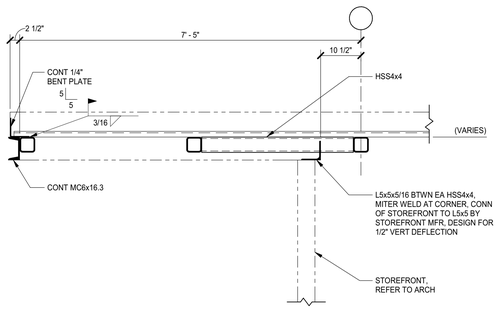
12 SECTION S2.2.1 | S4.1.4 — 3/4" = 1'-0"



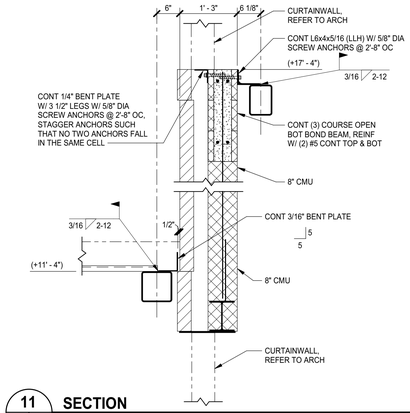
8 SECTION S2.2.1 | S4.1.4 — 3/4" = 1'-0"



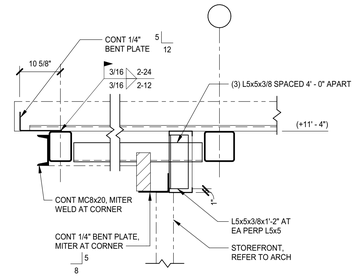
4 SECTION S2.2.1 | S4.1.4 — 3/4" = 1'-0"



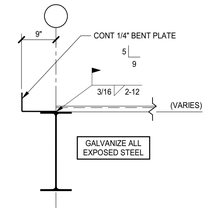
15 SECTION S2.2.1 | S4.1.4 — 3/4" = 1'-0"



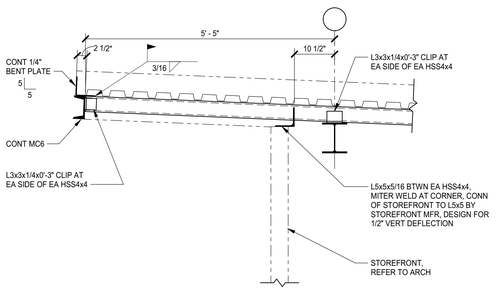
11 SECTION S2.2.1 | S4.1.4 — 3/4" = 1'-0"



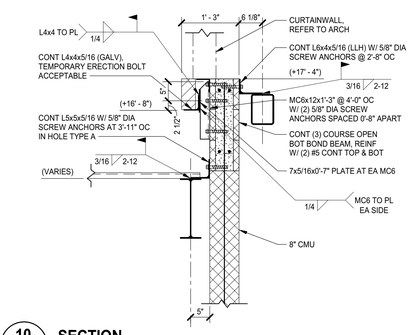
7 SECTION S2.2.1 | S4.1.4 — 3/4" = 1'-0"



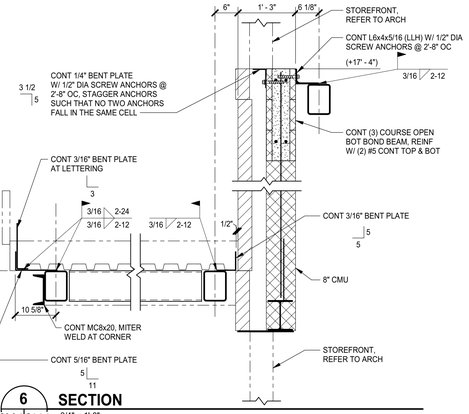
3 SECTION S2.2.1 | S4.1.4 — 3/4" = 1'-0"



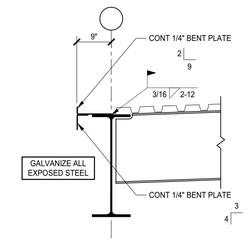
14 SECTION S2.2.1 | S4.1.4 — 3/4" = 1'-0"



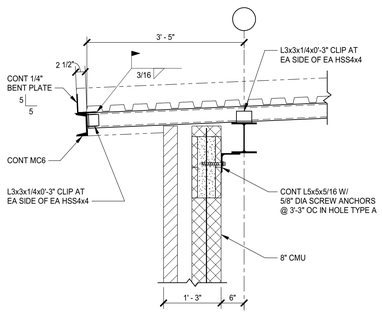
10 SECTION S2.2.1 | S4.1.4 — 3/4" = 1'-0"



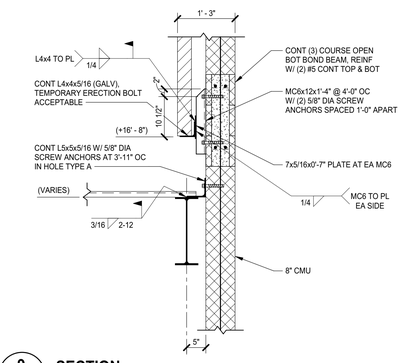
6 SECTION S2.2.1 | S4.1.4 — 3/4" = 1'-0"



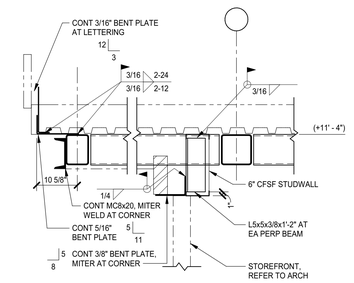
2 SECTION S2.2.1 | S4.1.4 — 3/4" = 1'-0"



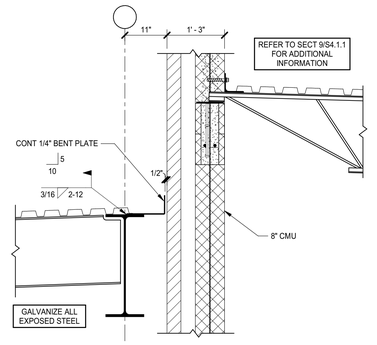
13 SECTION S2.2.1 | S4.1.4 — 3/4" = 1'-0"



9 SECTION S2.2.1 | S4.1.4 — 3/4" = 1'-0"



5 SECTION S2.2.1 | S4.1.4 — 3/4" = 1'-0"



1 SECTION S2.2.1 | S4.1.4 — 3/4" = 1'-0"

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 940-3795 FAX (704) 940-3754
MOSELEY ARCHITECTS .COM

NORTH CAROLINA PROFESSIONAL SEAL 045703 ENGINEER CHRISTOPHER S. BENCH
12 / 12 / 2023

MOSELEY ARCHITECTS, P.C. CORPORATE NUMBER C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY, NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO:	DATE:
621373	December 12, 2023

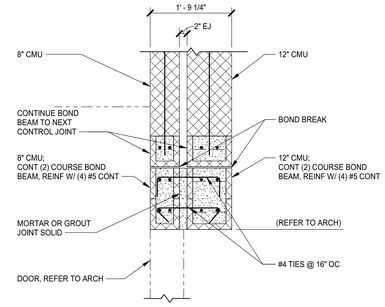
REVISIONS

DATE	DESCRIPTION

FRAMING SECTIONS

S4.1.4

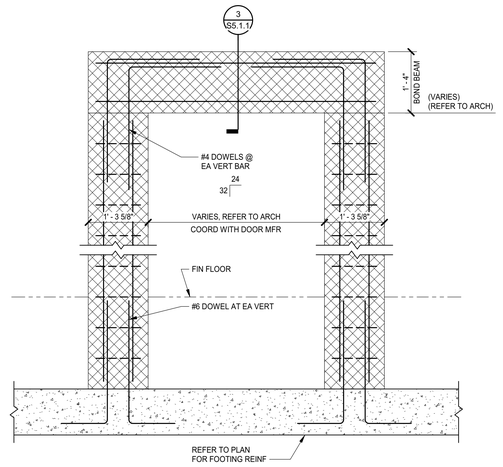
12/12/2023 2:25:58 PM



3 S2.1.1 S5.1.1 S2.1.2 S2.2.1 S5.1.1

FIRE WALL PORTAL - SECTION

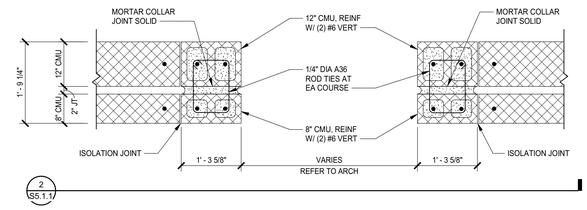
3/4" = 1'-0"



2 S5.1.1 S5.1.1

FIRE WALL PORTAL - ELEVATION

3/4" = 1'-0"



2 S5.1.1

1 S1.1.1 S5.1.1 S1.1.2 S1.1.3

FIRE WALL PORTAL - PLAN DETAIL

3/4" = 1'-0"

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 940-3795 FAX (704) 940-3794
MOSELEY ARCHITECTS .COM

NORTH CAROLINA PROFESSIONAL SEAL 045703 ENGINEER CHRISTOPHER S. BEVER

12 / 12 / 2023

MOSELEY ARCHITECTS, P.A. NORTH CAROLINA CORPORATION C-3469 CHARLOTTE, N.C.

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY, NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO:	DATE:
621373	December 12, 2023

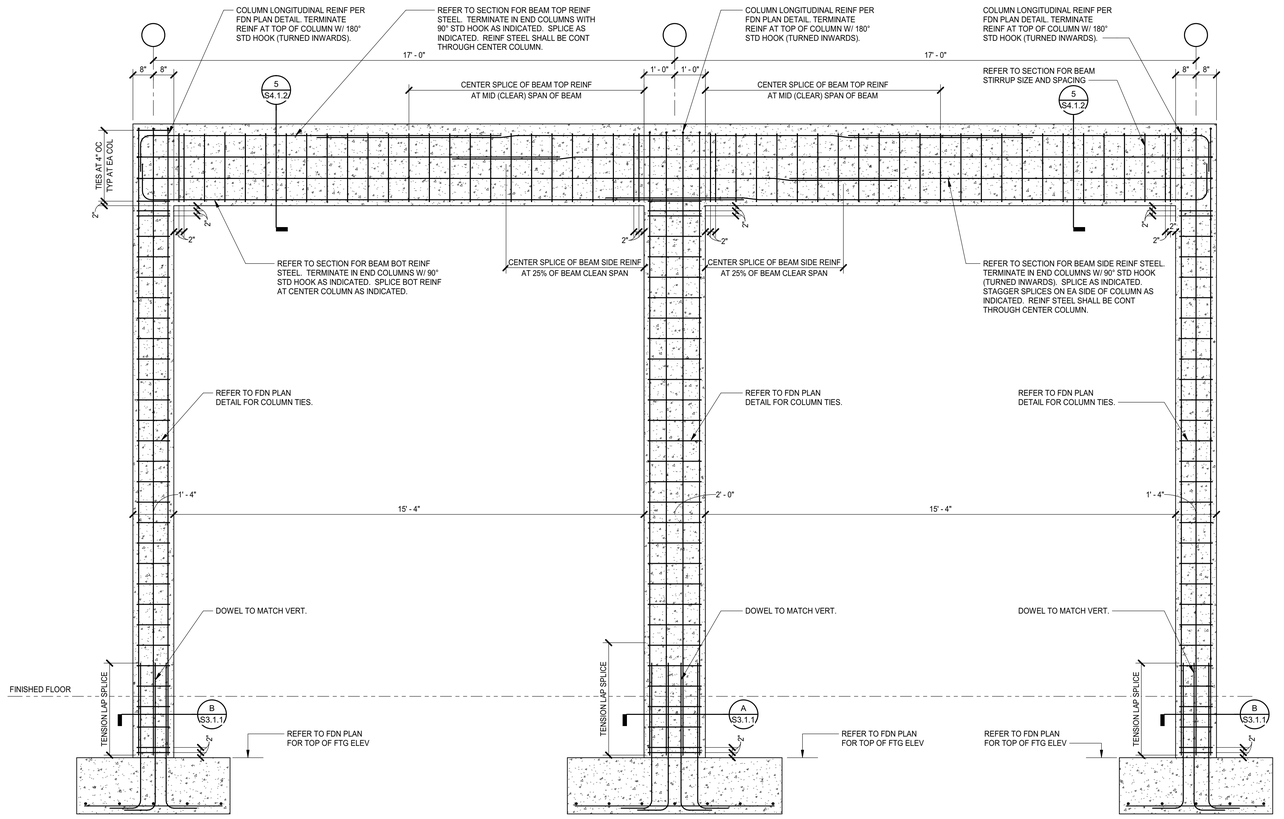
REVISIONS

DATE	DESCRIPTION

PORTAL PLANS, ELEVATIONS, AND SECTIONS

S5.1.1

12/12/2023 2:25:58 PM



1 REC YARD FRAME ELEVATION

S1.1.2 S5.1.2 1/2" = 1'-0"

S2.1.3 S1.1.3
S2.2.3 S1.1.4
S2.2.3 S2.1.1
S2.2.4 S2.1.2

NOTE: REFER TO ARCH FOR EMBED PLATES AT REC YARD FRAMES.

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD THE HUB AT WAVERLY SUITE 425 CHARLOTTE, NC 28277
PHONE (704) 940-3795 FAX (704) 940-3794
MOSELEY ARCHITECTS .COM

NORTH CAROLINA PROFESSIONAL SEAL 045703 CHRISTOPHER S. BEVER ENGINEER

12 / 12 / 2023

MOSELEY ARCHITECTS P.C. NORTH CAROLINA CORPORATION C-3469 CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY, NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

PROJECT NO: 621373	DATE: December 12, 2023
REVISIONS	
DATE	DESCRIPTION

REC YARD FRAME ELEVATION

S5.1.2

12/12/2023 2:25:59 PM

ABBREVIATIONS

@	AT	EWC	ELECTRIC WATER COOLER	OSD	OPEN SITE DRAIN
AAV	AIR ADMITTANCE VALVE	EWH	ELECTRIC WATER HEATER	PC	PRECAST
ABV	ABOVE	EX	EXISTING	PCF	POUNDS PER CUBIC FOOT
AC-X	AIR COMPRESSOR DESIGNATION	EXP	EXPANSION	PD	PUMP DISCHARGE
ADJ	ADJUSTABLE	FCO	FLOOR CLEANOUT	PLUMB	PLUMBING
ADNL	ADDITIONAL	FD	FLOOR DRAIN	PLYWD	PLYWOOD
AFF	ABOVE FINISHED FLOOR	FDC	FIRE DEPARTMENT CONNECTION	POLY	POLYETHYLENE
AFG	ABOVE FINISHED GRADE	FF	FINISHED FLOOR	PPT	PRESSURE PRESERVATIVE TREATED
AHU	AIR HANDLING UNIT	FFE	FINISHED FLOOR ELEVATION	PREFAB	PREFABRICATE(D)
ALT	ALTERNATE	FG	FINISHED GRADE	PROJ	PROJECT
ALUM	ALUMINUM	FH	FIRE HYDRANT	PSF	POUNDS PER SQUARE FOOT
AP	ACCESS PANEL	FHC	FIRE HOSE CABINET	PSI	POUNDS PER SQUARE INCH
APPR	APPROXIMATE	FHS	FIRE HOSE STATION	PV	PROPANE VENT
ARCH	ARCHITECTURAL	FHVC	FIRE HOSE VALVE CABINET	PVC	POLYVINYL CHLORIDE
AUTO	AUTOMATIC	FIX	FIXTURE	PVMT	PAVEMENT
AVG	AVERAGE	FLR	FLOOR	R	RISER
BFF	BELOW FINISHED FLOOR	FLSHG	FLASHING	RAD	RADIUS
BFG	BELOW FINISHED GRADE	FOR	FUEL OIL RETURN	RCP-X	RECIRCULATION PUMP DESIGNATION
BLDG	BUILDING	FOS	FUEL OIL SUPPLY	RD	ROOF DRAIN (BOTTOM OUTLET)
BO	BOTTOM OF	FOV	FUEL OIL VENT	RDS	ROOF DRAIN (SIDE OUTLET)
BOT	BOTTOM	FS	FLOOR SINK	REF	REFERENCE
BSMT	BASEMENT	FSD	FOUNDATION SUB-DRAIN	REQD	REQUIRED
BTWN	BETWEEN	FT	FOOT OR FEET	REQMT	REQUIREMENTS
CA	COMPRESSED AIR	FVC	FIRE VALVE CABINET	RL	RAIN LEADER
CI	CAST IRON	G	GAS	RM	ROOM
CIP	CAST-IN-PLACE CONCRETE	GCO	GRADE CLEANOUT	RO	ROUGH OPENING
CL	CENTERLINE	GWH	GAS WATER HEATER	RV	RADON VENT
CLG	CEILING	HB	HOSE BIBB	S	SOUTH
CLR	CLEAR	HORIZ	HORIZONTAL	SAN	SANITARY
CMP	CORRUGATED METAL PIPE	HP	HORSEPOWER	SCH	SCHEDULE
CNTR	COUNTER	HR-X	HOSE REEL DESIGNATION	SD	STORM DRAINAGE PIPING
CO	CLEANOUT	HTG	HEATING	SDN	STORM DRAIN NOZZLE
COL	COLUMN	HW	HOT WATER	SF	SQUARE FOOT/FEET
CONC	CONCRETE	HWR	HOT WATER RETURN	SHT	SHEET
CONDS	CONDENSATE	HWS	HOT WATER SUPPLY	SIM	SIMILAR
CONSTR	CONSTRUCT(ION)	ID	INSIDE DIAMETER	SLT	SEALANT
CONT	CONTINUATION	IN	INCH	SOG	SLAB ON GRADE
CONTR	CONTRACT(-OR)	INSUL	INSULATE OR INSULATION	SP	SUMP PUMP
CORR	CORRIDOR	INV	INVERT	SPEC	SPECIFICATION
CP	CIRCULATING PUMP	JAN	JANITOR	SPR	SPRINKLER
CR	CLASSROOM	KIT	KITCHEN	SQ	SQUARE
CT	COOLING TOWER	KW	KITCHEN WASTE	SRD	SECONDARY ROOF DRAIN
CU	COPPER	LAB	LABORATORY	SS	STAINLESS STEEL
CU FT	CUBIC FEET	LAV	LAVATORY	SSD	SECONDARY STORM DRAINAGE PIPING
CU YD	CUBIC YARD	LBS	POUNDS	STD	STANDARD
CW	COLD WATER	LF	LINEAR FOOT (FEET)	STL	STEEL
DB	DRY BULB	LP	PROPANE	STOR	STORAGE
DCW	DOMESTIC COLD WATER	LPV	PROPANE VENT	STRUCT	STRUCTURAL
DEMO	DEMOLISH OR DEMOLITION	MATL	MATERIAL	SUSP	SUSPENDED
DF	DRINKING FOUNTAIN	MAX	MAXIMUM	TD	TRENCH DRAIN
DHR	DOMESTIC HOT WATER RETURN	MECH	MECHANICAL	THK	THICK(-NESS)
DHR(140)	DOMESTIC HOT WATER RETURN (140°)	MED	MEDIUM	TLT	TOILET
DHW	DOMESTIC HOT WATER	MFR	MANUFACTURER	TMV	THERMOSTATIC MIXING VALVE
DHW(140)	DOMESTIC HOT WATER (140°)	MH	MANHOLE	TOSL	TOP OF SLAB
DI	DROP INLET	MIN	MINIMUM	TW	DOMESTIC TEMPERED WATER (90° F)
DIA	DIAMETER	MISC	MISCELLANEOUS	TYP	TYPICAL
DIP	DUCTILE IRON PIPE	MTD	MOUNTED	UG	UNDERGROUND
DN	DOWN	N	NORTH	UNO	UNLESS NOTED (INDICATED) OTHERWISE
DR-X	COMPRESSED AIR DRYER DESIGNATION	N/A	NOT APPLICABLE/AVAILABLE	V	VENT
DS	DOWNSPOUT	NC	NORMALLY CLOSED	VAC	VACUUM
DT	DRAIN TILE	NG	NATURAL GAS	VB	VACUUM BREAKER
DTL	DETAIL	NGV	NATURAL GAS VENT	VERT	VERTICAL
DTW	DOMESTIC TEMPERED WATER	NIC	NOT IN CONTRACT	VTR	VENT THROUGH ROOF
DWG	DRAWING	NO	NORMALLY OPEN	W	WEST
DWP	DOMESTIC WATER BOOSTER PUMP	NO_ (#)	NUMBER	W	WITH
E	EAST	NOM	NOMINAL	W/O	WITHOUT
ED	EMERGENCY SECONDARY ROOF DRAIN	OC	ON CENTER	WB	WATER HAMMER ARRESTER
ELEC	ELECTRICAL	OD	OUTSIDE DIAMETER	WC	WATER CLOSET
ELEV	ELEVATION	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED	WCO	WALL CLEANOUT
EPBD	ELECTRICAL PANELBOARD	OFF	OFFICE	WSHP	WATER SOURCE HEAT PUMP
EQ	EQUAL	OH	OVERHEAD	WWF	WELDED WIRE FABRIC
EQUIP	EQUIPMENT	OPNG	OPENING	WWM	WELDED WIRE MESH
ETR	EXISTING TO REMAIN	OPP	OPPOSITE	XFMR	TRANSFORMER

GRAPHICS SYMBOLS LEGEND

- X" XXX — PIPE WITH SIZE AND SERVICE
- FLOW IN DIRECTION OF ARROW
- 1/8" FT — PITCH DOWN IN DIRECTION OF ARROW AT INDICATED SLOPE
- PIPE CAP
- PIPE TURNED DOWN
- PIPE TURNED UP
- PIPE TEE UP
- PIPE TEE DOWN
- UNION
- CONCENTRIC PIPE REDUCTION
- CO — END OF LINE CLEANOUT PLUG
- CO — FLOOR CLEANOUT
- WCO — WALL CLEANOUT
- CO (GCO) — YARD CLEANOUT (CLEANOUT TO GRADE)
- FD-1 — FLOOR DRAIN WITH TAG
- FS-1 — FLOOR SINK WITH TAG
- PRESSURE GAUGE WITH GAUGE COCK
- LIQUID FILLED THERMOMETER
- A — WATER HAMMER ARRESTOR (PLUMBING & DRAINAGE INSTITUTE SIZE INDICATED)
- FS — FLOW SWITCH
- TEMPERATURE/PRESSURE PLUG
- VALVE
- VALVE IN RISER
- GAS COCK
- VENTURI FLOW METER
- MANUAL BALANCING VALVE
- AUTOMATIC BALANCING VALVE WITH FLOW TAPS
- SWING CHECK VALVE
- PRESSURE REDUCING VALVE
- S — SOLENOID OPERATED VALVE
- T&P — TEMPERATURE AND PRESSURE RELIEF VALVE
- BACKWATER VALVE
- HOSE BIBB OR WALL HYDRANT
- REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER
- DOUBLE CHECK BACKFLOW PREVENTER
- PUMP

- POINT OF CONNECTION TO EXISTING
- LIMIT OF DEMOLITION
- 30 — KEYNOTE
- 8 — STRUCTURAL GRID LINE WITH DESIGNATION
- A123 — **SPACE IDENTIFICATION TAG**: SPACE NUMBER; BUILDING AREA (WHEN USED)
- AHU-02 — **EQUIPMENT IDENTIFICATION TAG**: EQUIPMENT NUMBER; UNIT DESIGNATION
- **SECTION WHERE CUT**: A — SECTION LETTER; P6.1 — DRAWING WHERE SECTION IS INDICATED
- **ENLARGED PLAN WHERE CUT**: 1 — ENLARGED PLAN NUMBER; P6.1 — DRAWING WHERE ENALRGED PLAN IS INDICATED
- **DETAIL TAG**: 1 — DETAIL NUMBER; P6.1 — DRAWING WHERE DETAIL IS INDICATED
- **SANITARY RISER TAG**: S1 — SANITARY RISER IDENTIFIER; P6.1 — DRAWING WHERE SANITARY RISER IS TAGGED
- **DOMESTIC RISER TAG**: D1 — DOMESTIC RISER IDENTIFIER; P6.1 — DRAWING WHERE DOMESTIC RISER IS TAGGED

1 DETAIL TITLE — 1/4"=1'-0"
P2.2 P6.2 P2.3 P2.4
- DETAIL NUMBER
- DRAWING WHERE DETAIL IS INDICATED
- DRAWING WHERE DETAIL IS CUT
- ADDITIONAL DRAWING REFERENCES

S1 SANITARY RISER DIAGRAM — 1/4"=1'-0"
P2.2 P4.2 P2.3 P2.4
- SANITARY RISER DIAGRAM IDENTIFIER
- DRAWING WHERE SANITARY RISER IS INDICATED
- DRAWING WHERE SANITARY RISER IS TAGGED
- ADDITIONAL DRAWING REFERENCES

D1 DOMESTIC RISER DIAGRAM — 1/4"=1'-0"
P2.2 P5.2 P2.3 P2.4
- DOMESTIC RISER DIAGRAM IDENTIFIER
- DRAWING WHERE DOMESTIC RISER IS INDICATED
- DRAWING WHERE DOMESTIC RISER IS TAGGED
- ADDITIONAL DRAWING REFERENCES

G1 FUEL GAS RISER DIAGRAM — 1/4"=1'-0"
P2.2 P5.2 P2.3 P2.4
- FUEL GAS RISER DIAGRAM IDENTIFIER
- DRAWING WHERE FUEL GAS RISER IS INDICATED
- DRAWING WHERE FUEL GAS RISER IS TAGGED
- ADDITIONAL DRAWING REFERENCES

GENERAL DATA

PLUMBING GENERAL DATA

Item	Value
SERVICE SIZING	
INSTANTANEOUS DEMAND (GPM)	325
SUPPLY FIXTURE UNITS (SFU)	1874
DRAINAGE FIXTURE UNITS (DFU)	1121
STORM DRAINAGE	
AREA OF ROOF (SQUARE FEET)	44,568
AREA OF WALL ABOVE/ADJACENT TO ROOF (SQUARE FEET)	3,684
TOTAL ROOF DRAINAGE (SQUARE FEET)	48252
WATER HEATERS	
NUMBER	2
HOT WATER REQUIRED	2750
FUEL USED	NATURAL GAS

GENERAL NOTES

A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.

B. COORDINATE PIPING LOCATIONS AND INSTALLATION WITH EACH TRADE TO AVOID CONFLICTS WITH OTHER TRADES.

C. PROVIDE FLOOR CLEANOUTS INDICATED FLUSH WITH FLOOR FINISHES.

D. PROVIDE CLEANOUTS WHERE INDICATED AND ADDITIONAL CLEANOUTS AS REQUIRED BY LOCAL CODE.

E. REFER TO DRAWINGS FROM EACH DISCIPLINE BEFORE ROUGHING-IN PLUMBING FIXTURES.

F. OBTAIN DIMENSIONS AND ROUTING IN FIELD BEFORE INSTALLATION OF PLUMBING AND FIXTURES.

G. INSTALL ALL DRAINAGE PATTERN FITTINGS AND PIPING IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL CODES.

H. REFER TO STRUCTURAL DRAWINGS FOR DETAILS AND MAXIMUM SPACING REQUIREMENTS REGARDING HANGER ATTACHMENTS TO STEEL BAR JOISTS.

I. PROVIDE ISOLATION VALVES IN ACCORDANCE WITH DIAGRAMS, DETAILS, AND DIVISION 22 SPECIFICATIONS.

MOSELEY ARCHITECTS
11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITEC .COM

NORTH CAROLINA — SEAL 033520 — 01/01/23 — JOHN P. CARLSON — ENGINEER

MOSELEY ARCHITECTS, P.A. — CHARLOTTE, NC — C-3469 — NORTH CAROLINA

DUPLIN COUNTY DETENTION CENTER

DUPLIN COUNTY, NORTH CAROLINA

NO: 621373 | DATE: DECEMBER 12, 2023

REVISIONS

DATE	DESCRIPTION

LEGENDS, ABBREVIATIONS AND GENERAL NOTES

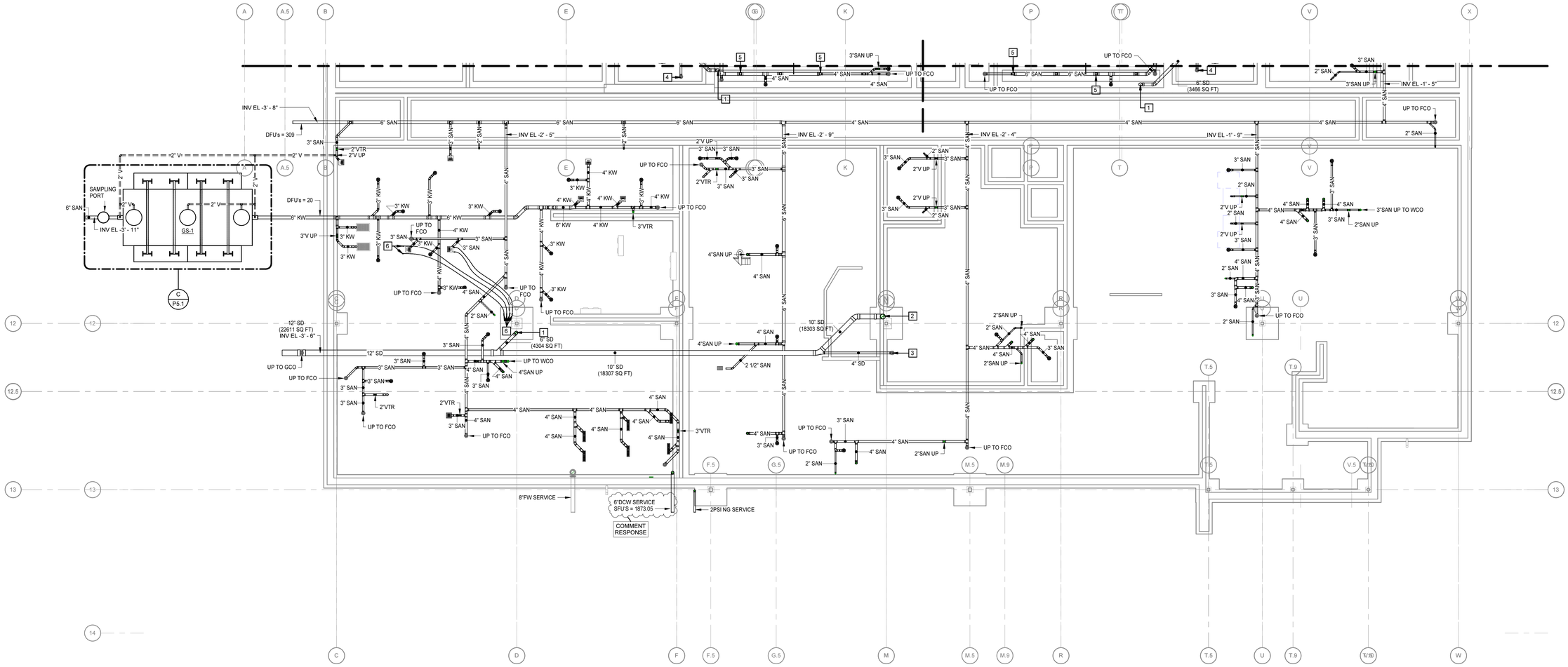
P0.1

12/11/2023 2:18:48 PM

KEYNOTES

APPLIES TO THIS DRAWING

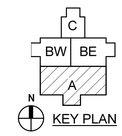
1	6" SD UP
2	10" SD UP
3	4" SD UP TO FCO.
4	4" SD UP TO GCO.
5	4"SAN STACK (TYP)
6	3/4" DOMESTIC COLD AND HOT WATER DN. REFER TO FOUNDATION PLAN ON DWG P2.0.1 FOR CONTIUATION



N

FOUNDATION LEVEL - PLUMBING - PART A

1/8" = 1'-0"



MOSELEY ARCHITECTS

11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC .COM

NORTH CAROLINA REGISTERED SEAL 033520 ENGINEER JUSTIN P CARLSON

MOSELEY ARCHITECTS P.A. CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DUPLIN COUNTY, NORTH CAROLINA

NO:	DATE:
821373	DECEMBER 12, 2023

REVISIONS

DATE	DESCRIPTION
12/12/23	COMMENT RESPONSE

FOUNDATION PLAN - PLUMBING - PART A

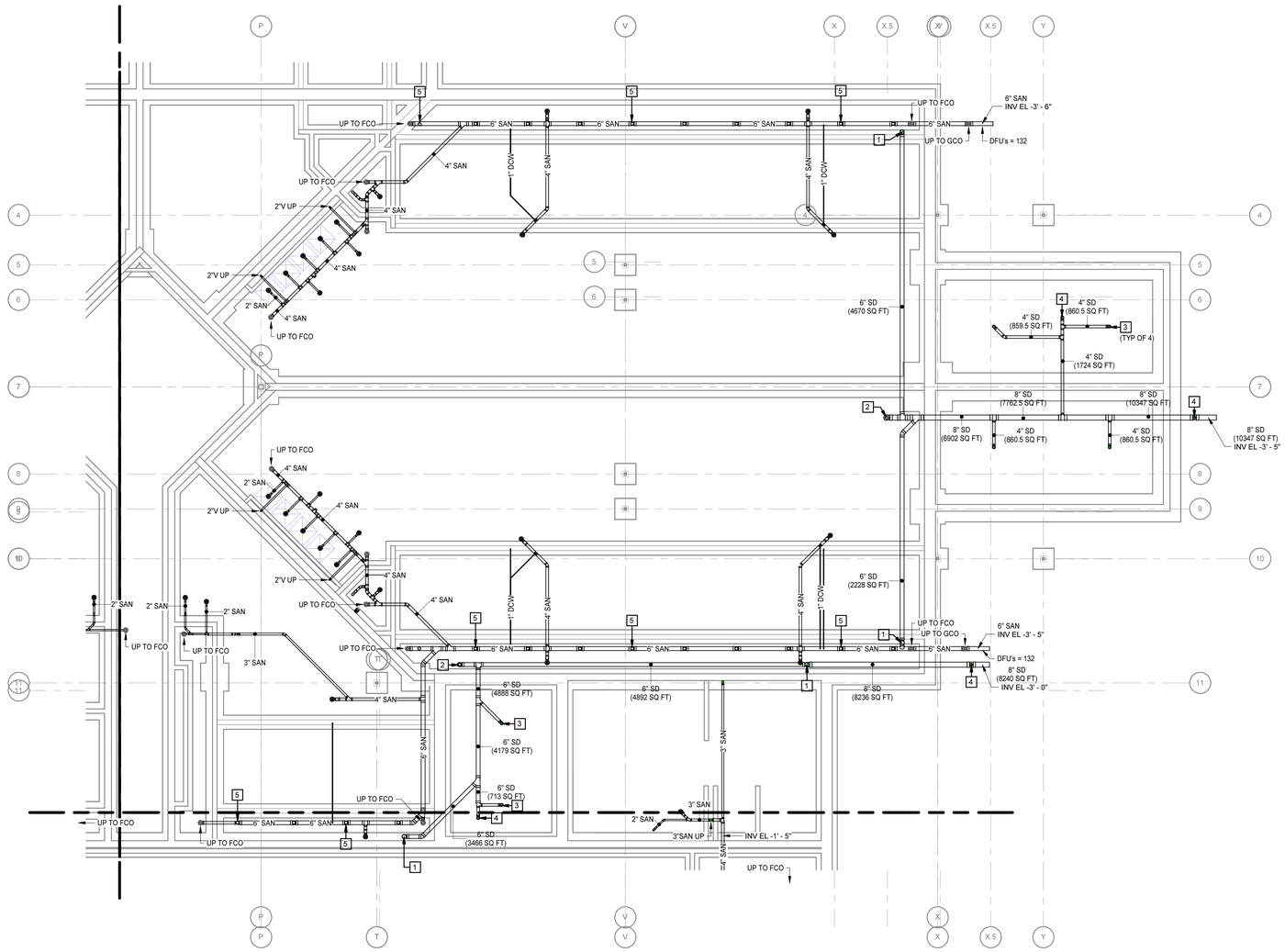
P2.0.1

12/11/2023 2:16:51 PM

KEYNOTES

APPLIES TO THIS DRAWING

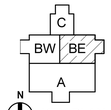
1. 6" SD UP
2. 4" SD UP TO FCO.
3. 4" SD UP TO AREA DRAIN.
4. 4" SD UP TO GCO.
5. 4"SAN STACK (TYP)



N

FOUNDATION LEVEL - PLUMBING - PART BE

1/8" = 1'-0"



KEY PLAN

MOSELEYARCHITECTS

11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC .COM

NORTH CAROLINA PROFESSIONAL SEAL 033520 12/12/23 ENGINEER JUSTIN P CARLSON

MOSELEY ARCHITECTS PC REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DUPLIN COUNTY, NORTH CAROLINA

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

FOUNDATION PLAN - PLUMBING - PART BE

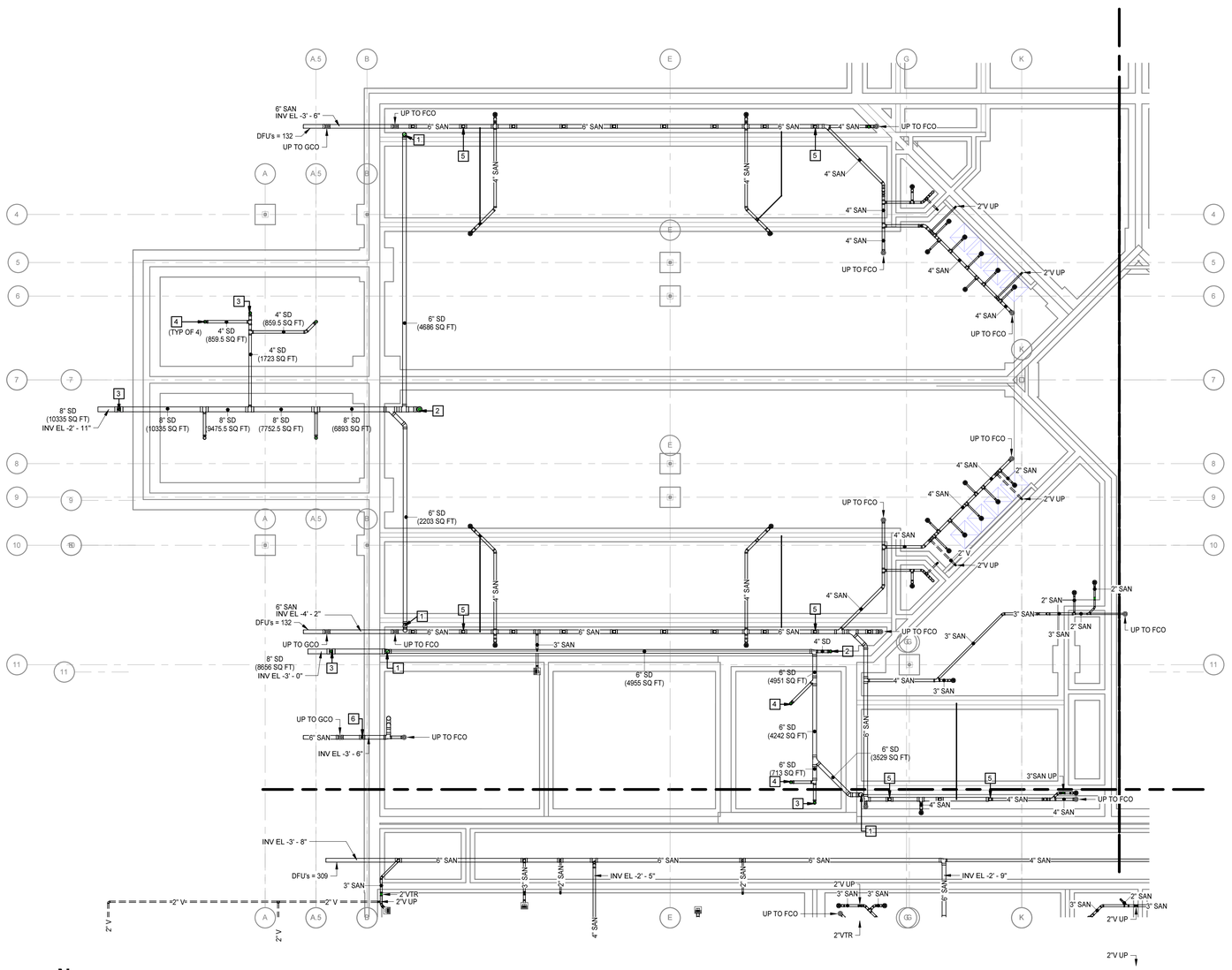
P2.0.2

12/11/2023 2:18:52 PM

KEYNOTES

APPLIES TO THIS DRAWING

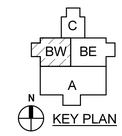
1	6" SD UP
2	4" SD UP TO FCO.
3	4" SD UP TO GCO.
4	4" SD UP TO AREA DRAIN.
5	4"SAN STACK (TYP)
6	2" SAN UP



N

FOUNDATION LEVEL - PLUMBING - PART BW

1/8" = 1'-0"



MOSELEY ARCHITECTS

11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITEC .COM

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033520 JUSTIN P. CARLSON

MOSELEY ARCHITECTS P.A. NORTH CAROLINA CORPORATION C-3469 CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DUPLIN COUNTY, NORTH CAROLINA

NO:	DATE:
821373	DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

FOUNDATION PLAN - PLUMBING - PART BW

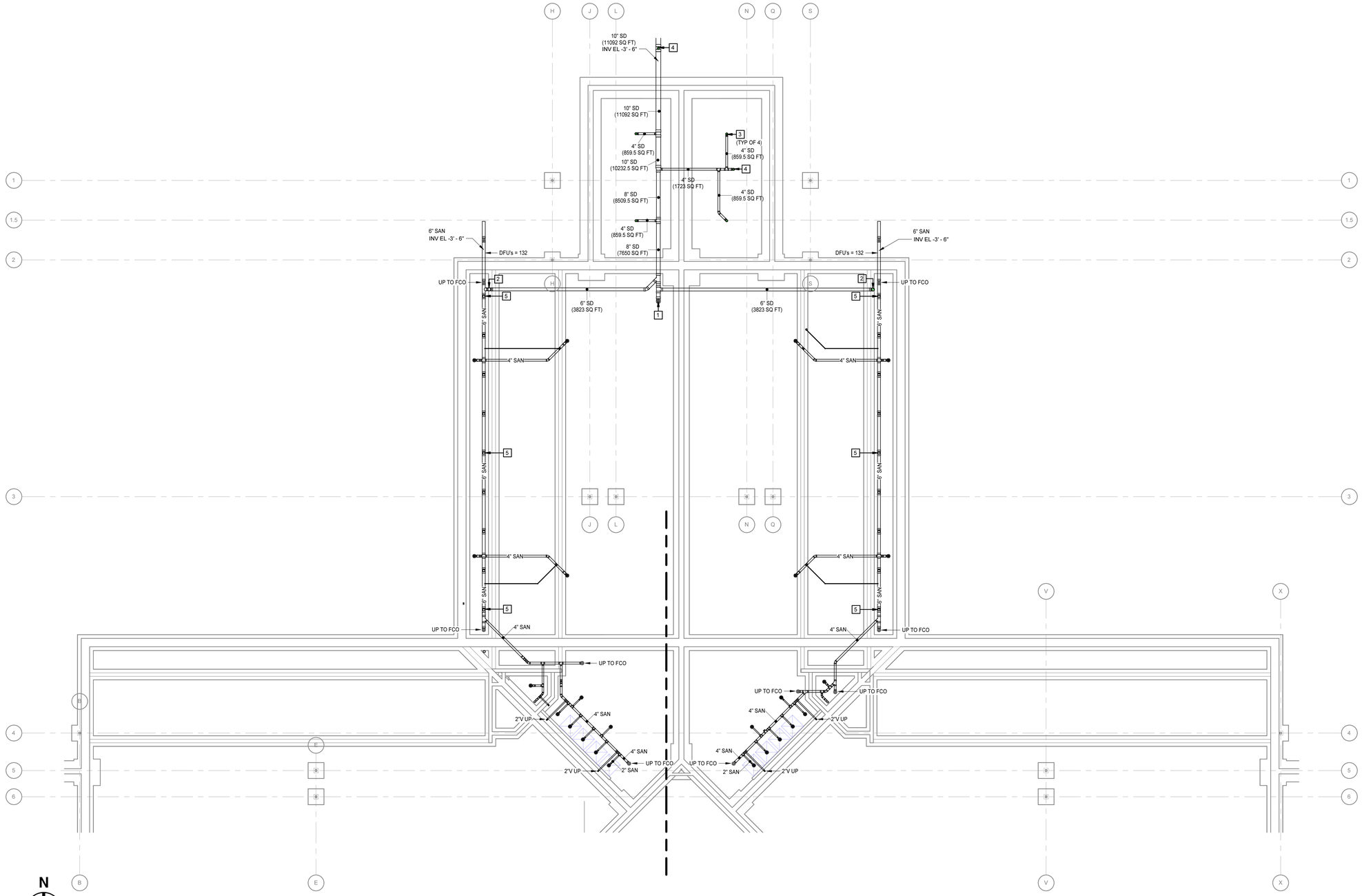
P2.0.3

12/11/2023 2:16:54 PM

KEYNOTES

APPLIES TO THIS DRAWING

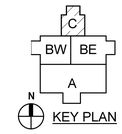
1	4" SD UP TO FCO.
2	6" SD UP
3	4" SD UP TO AREA DRAIN.
4	4" SD UP TO GCO.
5	4"SAN STACK (TYP)



N

FOUNDATION LEVEL - PLUMBING - PART C - ADD ALTERNATE

1/8" = 1'-0"



MOSELEY ARCHITECTS

11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC .COM

NORTH CAROLINA SEAL 033520 11/30/25 REGISTERED ENGINEER JUSTIN P CARLSON

MOSELEY ARCHITECTS PROFESSIONAL ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DUPLIN COUNTY, NORTH CAROLINA

NO:	DATE:
621373	DECEMBER 12, 2023

REVISIONS

DATE	DESCRIPTION

FOUNDATION PLAN - PLUMBING - PART C - ADD ALTERNATE

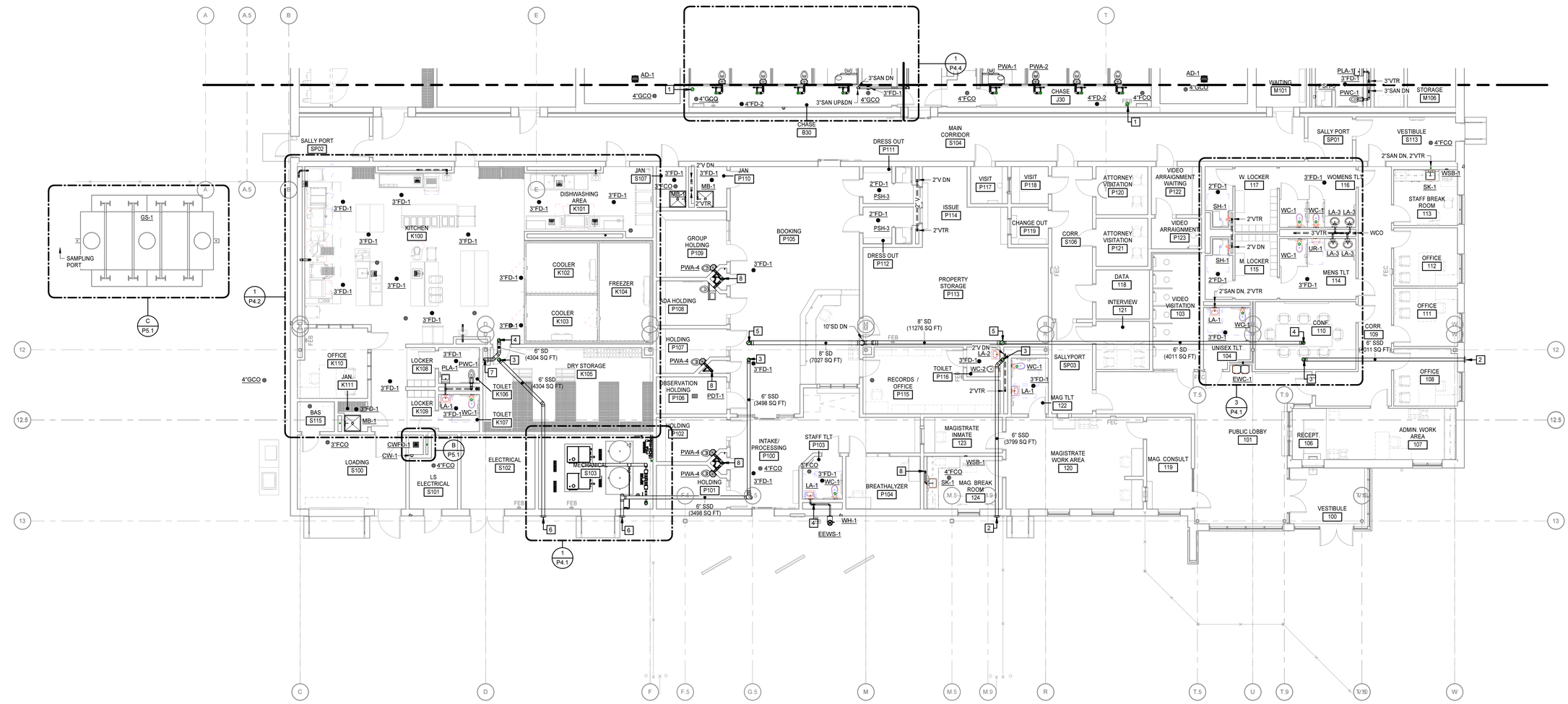
P2.0.4

12/11/2023 2:18:54 PM

KEYNOTES

APPLIES TO THIS DRAWING

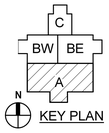
1	6" SD UP AND DN.
2	6" DSN-1 (12'-9" AFF) REFER TO SECONDARY STORM DRAIN DISCHARGE NOZZLE DETAIL.
3	6" SSD UP
4	2" SAN UP
4	6" SD UP
4	6" SD UP AND DN.
5	8" SD UP
6	6" DSN-1 (12'-0" AFF) REFER TO SECONDARY STORM DRAIN DISCHARGE NOZZLE DETAIL.
7	1-1/2"V DN
8	1-1/2"VENT STACK (TYP)



N

FIRST FLOOR PLAN - SANITARY - PART A

1/8" = 1'-0"



KEY PLAN

MOSELEYARCHITECTS

11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC .COM

NORTH CAROLINA PROFESSIONAL SEAL 033520 12/12/23 ENGINEER JUSTIN P. CARLSON

MOSELEY ARCHITECTS, PC REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DUPLIN COUNTY, NORTH CAROLINA

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

FIRST FLOOR PLAN - SANITARY - PART A

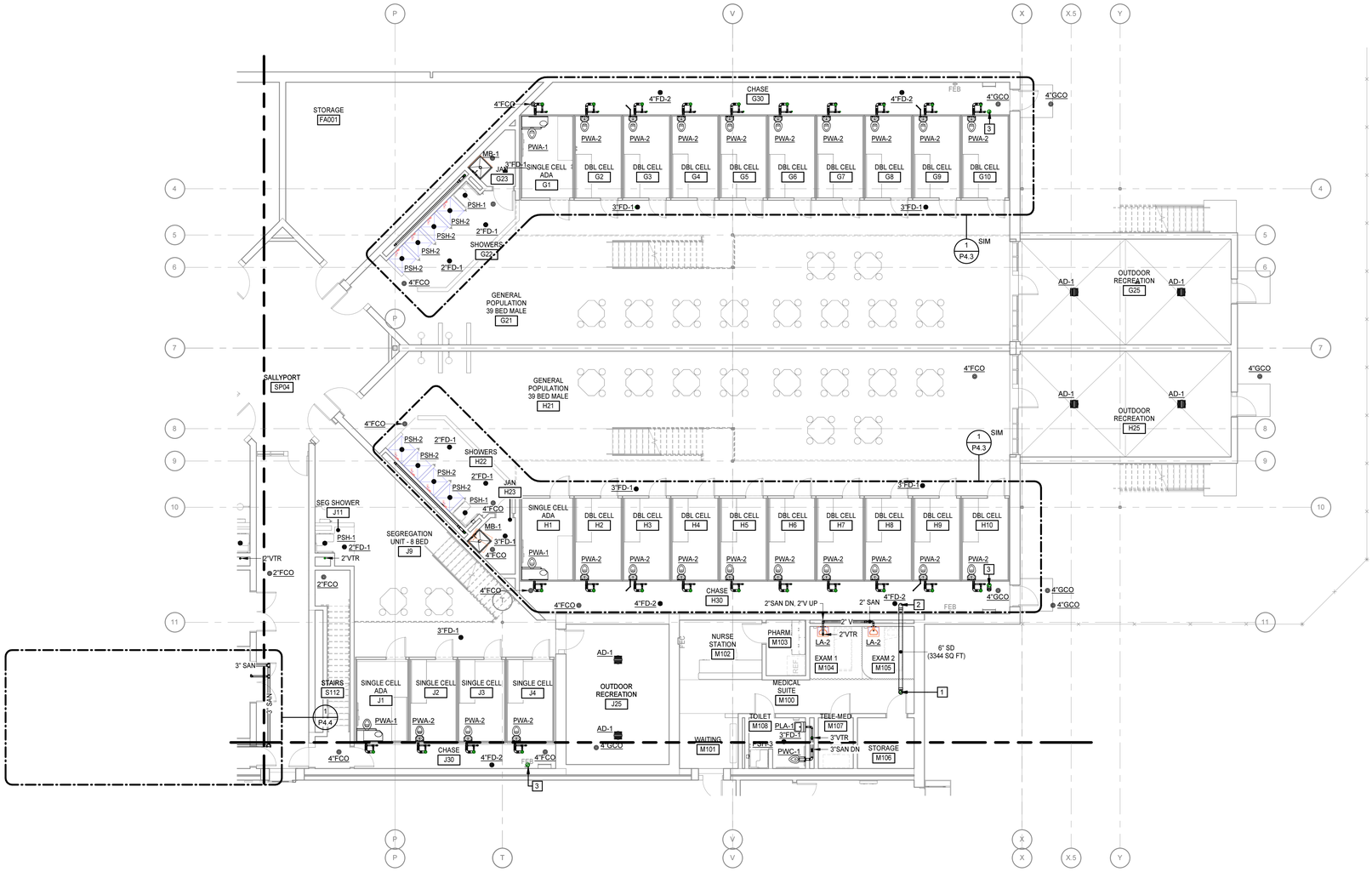
P2.1.1

12/11/2023 2:18:56 PM

KEYNOTES

APPLIES TO THIS DRAWING

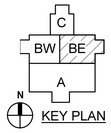
1	6" SD UP
2	6" SD DN
3	2" SAN UP
3	6" SD UP AND DN.



N

FIRST FLOOR PLAN - SANITARY - PART BE

1/8" = 1'-0"



KEY PLAN

MOSELEYARCHITECTS

11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC .COM

NORTH CAROLINA PROFESSIONAL SEAL 033520 ENGINEER JUSTIN P CARLSON

MOSELEY ARCHITECTS PC REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DUPLIN COUNTY, NORTH CAROLINA

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

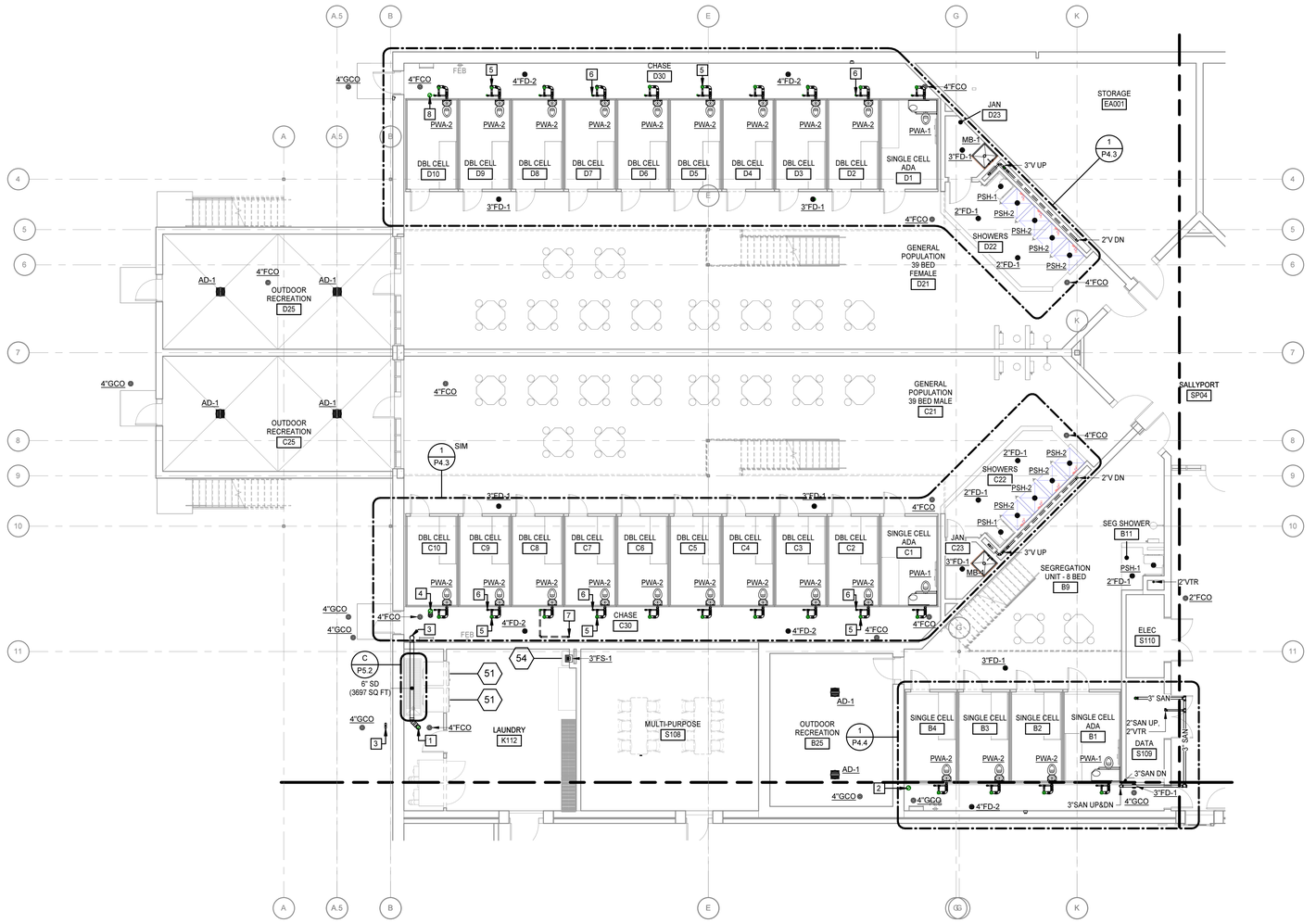
FIRST FLOOR PLAN - SANITARY - PART BE

P2.1.2

12/11/2023 2:18:59 PM

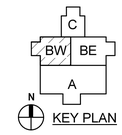
KEYNOTES
APPLIES TO THIS DRAWING

1	6" SD UP
2	6" SD UP AND DN.
3	3" SAN UP
4	2" SAN UP
5	6" SD UP AND DN.
6	1-1/2"VENT STACK (TYP)
7	1-1/2"V DN
8	2" SAN UP



N

FIRST FLOOR PLAN - SANITARY - PART BW
1/8" = 1'-0"



MOSELEY ARCHITECTS
11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITEC .COM

NORTH CAROLINA SEAL 033520 ENGINEER JUSTIN P CARLSON

MOSELEY ARCHITECTS P.A. CORPORATE NUMBER C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DUPLIN COUNTY, NORTH CAROLINA

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

FIRST FLOOR PLAN - SANITARY - PART BW

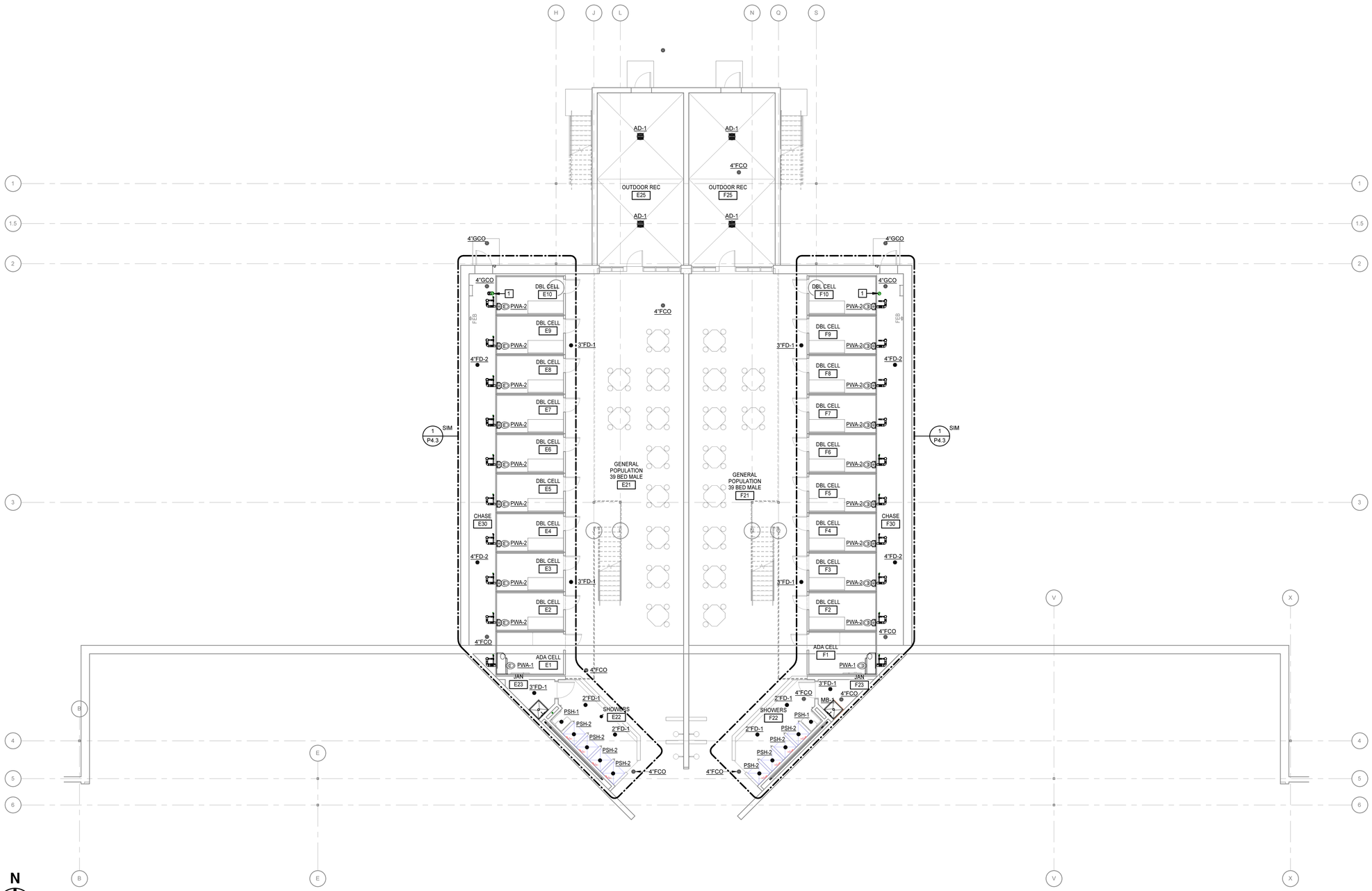
P2.1.3

12/11/2023 2:19:01 PM

KEYNOTES

APPLIES TO THIS DRAWING

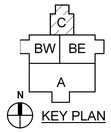
1	2" SAN UP



N

FIRST FLOOR PLAN - SANITARY - PART C - ADD ALTERNATE

1/8" = 1'-0"



KEY PLAN

MOSELEYARCHITECTS

11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC .COM

NORTH CAROLINA PROFESSIONAL SEAL 033520 12/12/23 ENGINEER JUSTIN P CARLSON

MOSELEY ARCHITECTS PC REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DUPLIN COUNTY, NORTH CAROLINA

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

FIRST FLOOR PLAN - SANITARY - PART C - ADD ALTERNATE

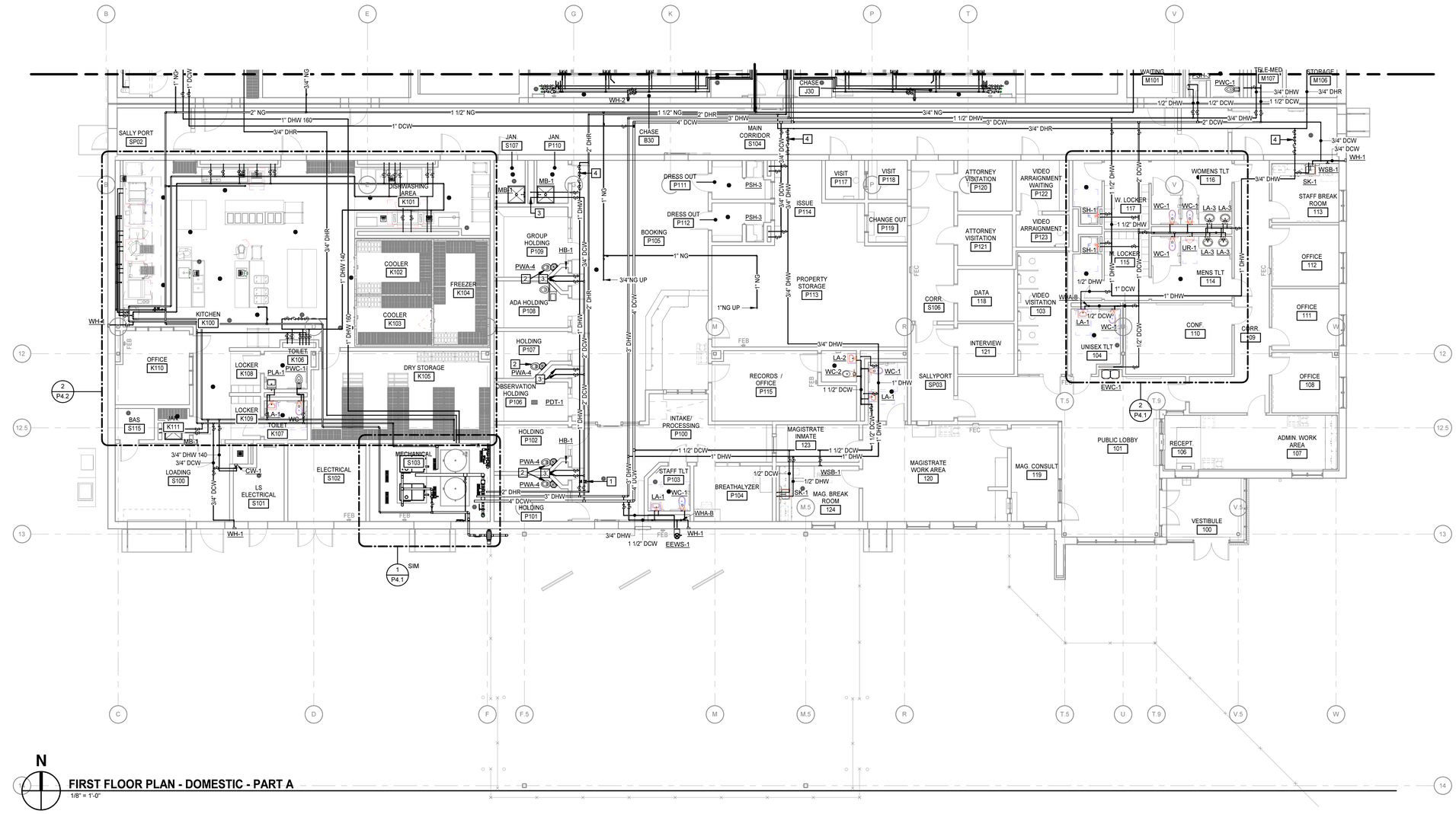
P2.1.4

12/11/2023 2:19:02 PM

KEYNOTES

APPLIES TO THIS DRAWING

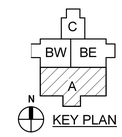
1. MANUAL ISOLATION VALVE AND MOTORIZED SOLENOID VALVE IN DCW & DHW BRANCH FOR ON/OFF CONTROL. REFER TO KEYNOTE 2 ON DRAWING P4.2.3 FOR COMPLETE DESCRIPTION.
2. PROVIDE A THERMOSTATIC MIXING VALVE (TMV-5) WITH COMBI-FIXTURE, REFER TO THERMOSTATIC MIXING VALVE SCHEDULE ON DWG P6.1.
3. 3/4" DCW & 3/4" DHW DN
4. PROVIDE A THERMOSTATIC BALANCING VALVE, REFER TO HOT WATER RECIRCULATION BRANCH CONNECTION DETAIL ON DWG P5.1.



N

FIRST FLOOR PLAN - DOMESTIC - PART A

1/8" = 1'-0"



MOSELEY ARCHITECTS

11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC .COM

NORTH CAROLINA SEAL 033520 REGISTERED PROFESSIONAL ENGINEER JUSTIN P CARLSON

MOSELEY ARCHITECTS P.A. CORPORATE NUMBER C-3469 NORTH CAROLINA CHARLOTTE NC

DUPLIN COUNTY DETENTION CENTER

DUPLIN COUNTY, NORTH CAROLINA

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

FIRST FLOOR PLAN - DOMESTIC - PART A

P2.2.1

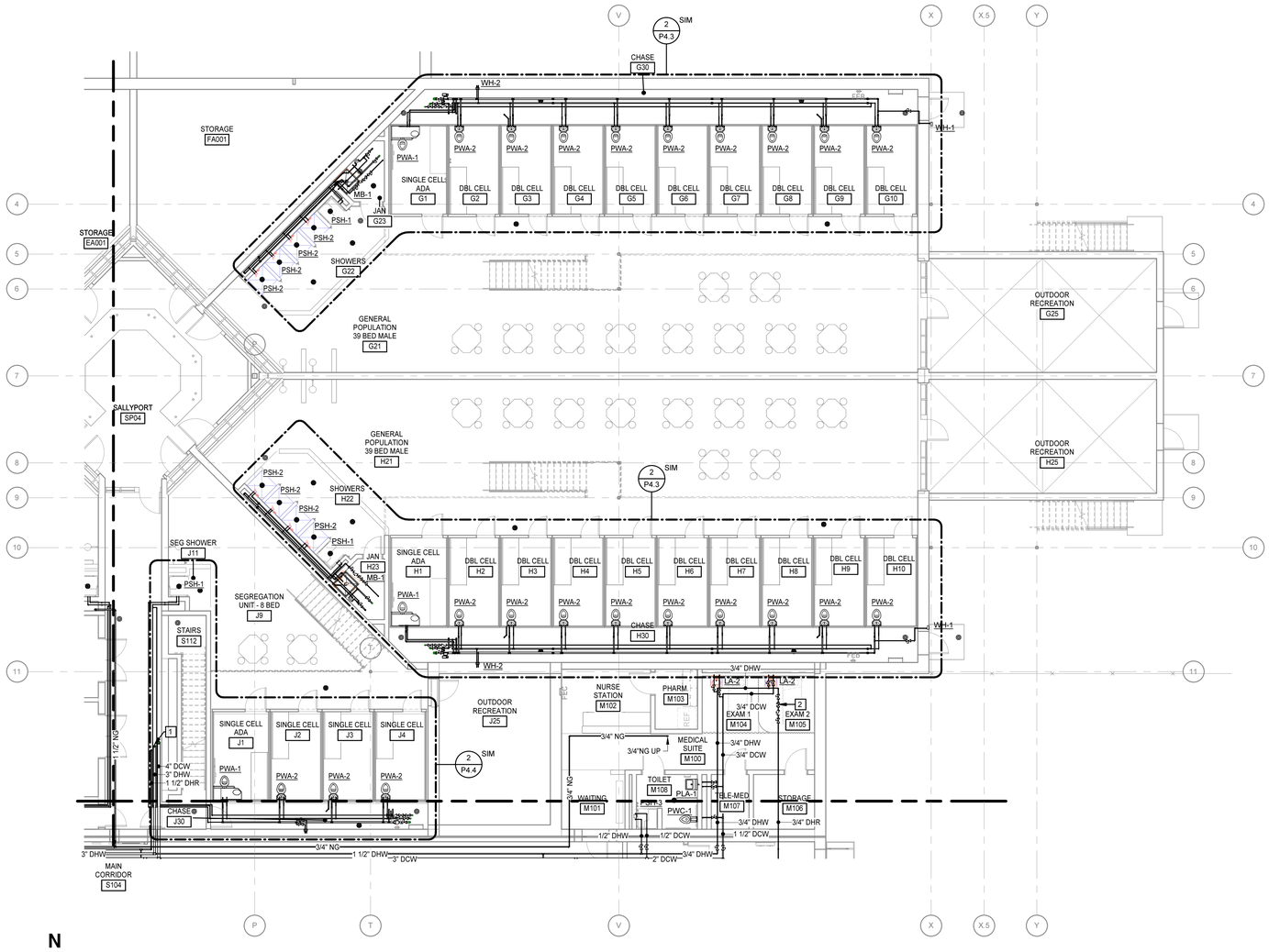
12/11/2023 2:19:06 PM

KEYNOTES

APPLIES TO THIS DRAWING

1 4" DCW , 3" DHW & 1-1/2" DHR UP.

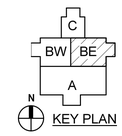
2 PROVIDE A THERMOSTATIC BALANCING VALVE, REFER TO HOT WATER RECIRCULATION BRANCH CONNECTION DETAIL ON DWG P5.1.



N

FIRST FLOOR PLAN - DOMESTIC - PART BE

1/8" = 1'-0"



MOSELEY ARCHITECTS

11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC .COM

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033520 11/30/23 JONATHAN P CARLSON

MOSELEY ARCHITECTS PROFESSIONAL CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DUPLIN COUNTY, NORTH CAROLINA

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

FIRST FLOOR PLAN - DOMESTIC - PART BE

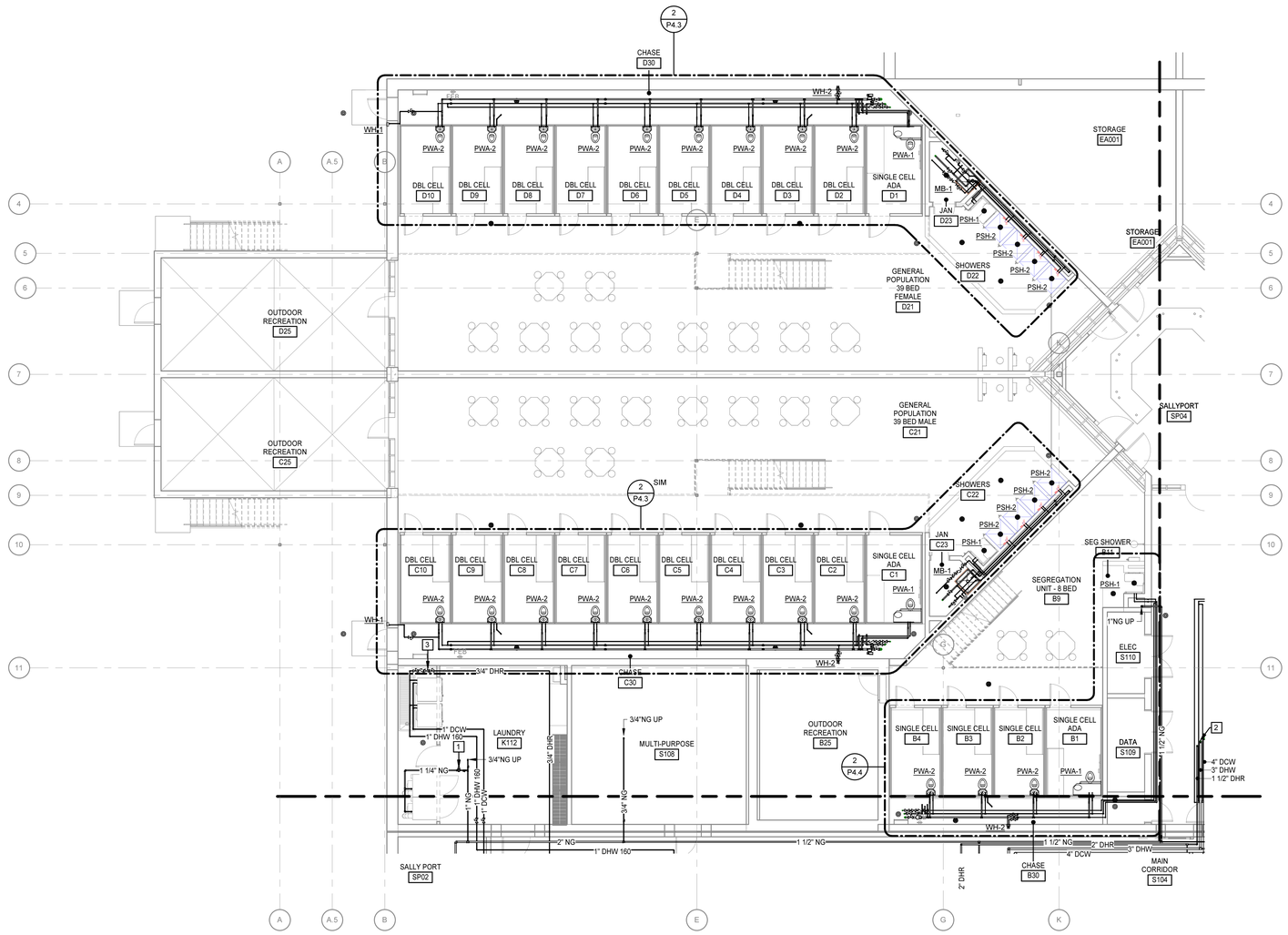
P2.2.2

12/11/2023 2:19:09 PM

KEYNOTES

APPLIES TO THIS DRAWING

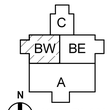
1. NATURAL GAS PRESSURE REGULATOR
2. 4" DCW , 3" DHW & 1-1/2" DHR UP.
3. PROVIDE A THERMOSTATIC BALANCING VALVE, REFER TO HOT WATER RECIRCULATION BRANCH CONNECTION DETAIL ON DWG P5.1.



N

FIRST FLOOR PLAN - DOMESTIC - PART BW

1/8" = 1'-0"



KEY PLAN

MOSELEYARCHITECTS

11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC .COM

NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL 033520 12/12/23 JUSTIN P. CARLSON

MOSELEY ARCHITECTS PC REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DUPLIN COUNTY, NORTH CAROLINA

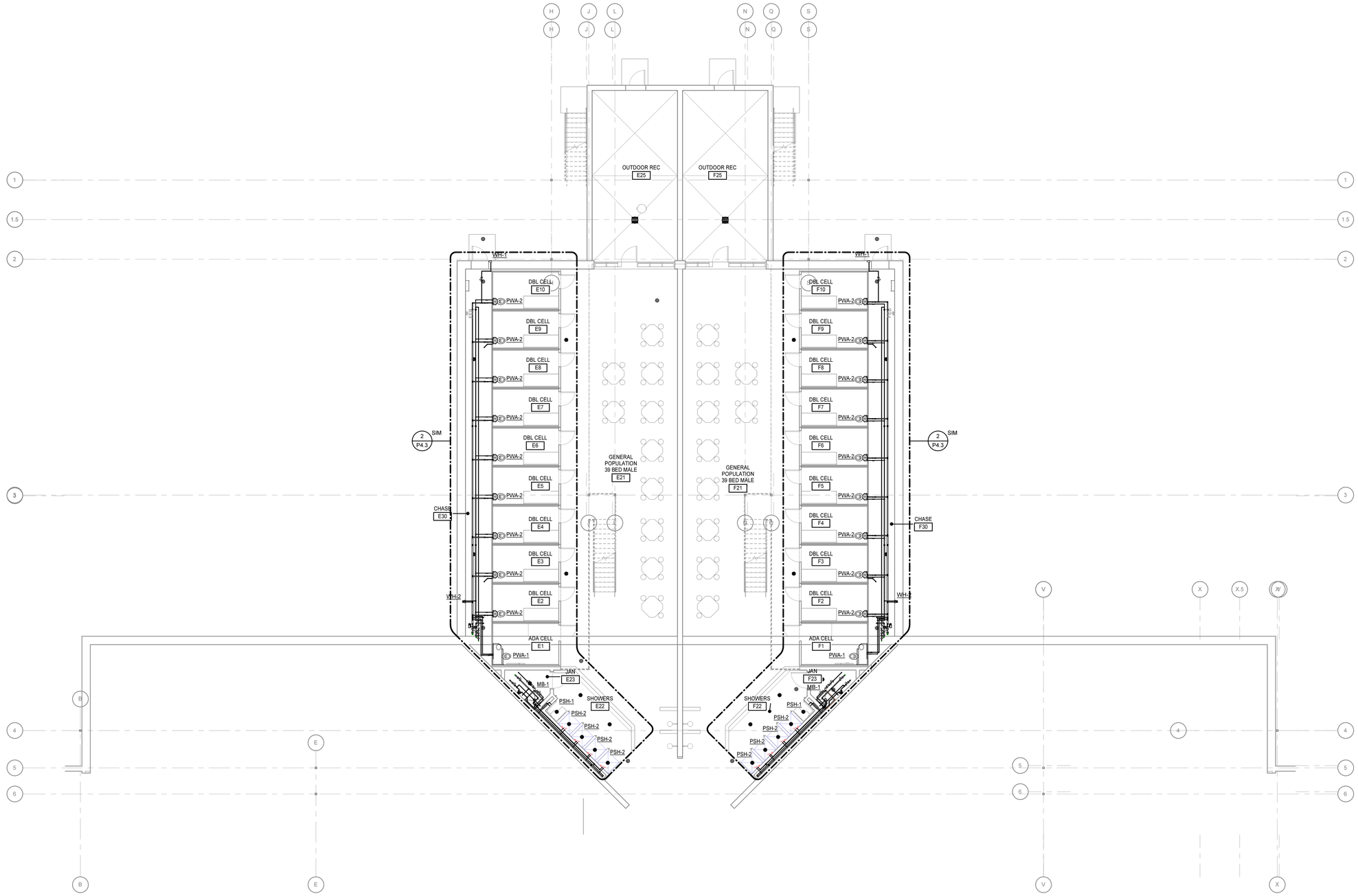
NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

FIRST FLOOR PLAN - DOMESTIC - PART BW

P2.2.3

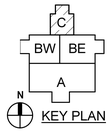
12/11/2023 2:19:11 PM

KEYNOTES
APPLIES TO THIS DRAWING



N

FIRST FLOOR PLAN - DOMESTIC - PART C - ADD ALTERNATE
1/8" = 1'-0"



KEY PLAN

12/11/2023 2:19:13 PM

MOSELEYARCHITECTS
11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC .COM

NORTH CAROLINA REGISTERED SEAL 033520 12/12/23 ENGINEER JUSTIN P CARLSON

MOSELEY ARCHITECTS PC REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DUPLIN COUNTY, NORTH CAROLINA

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

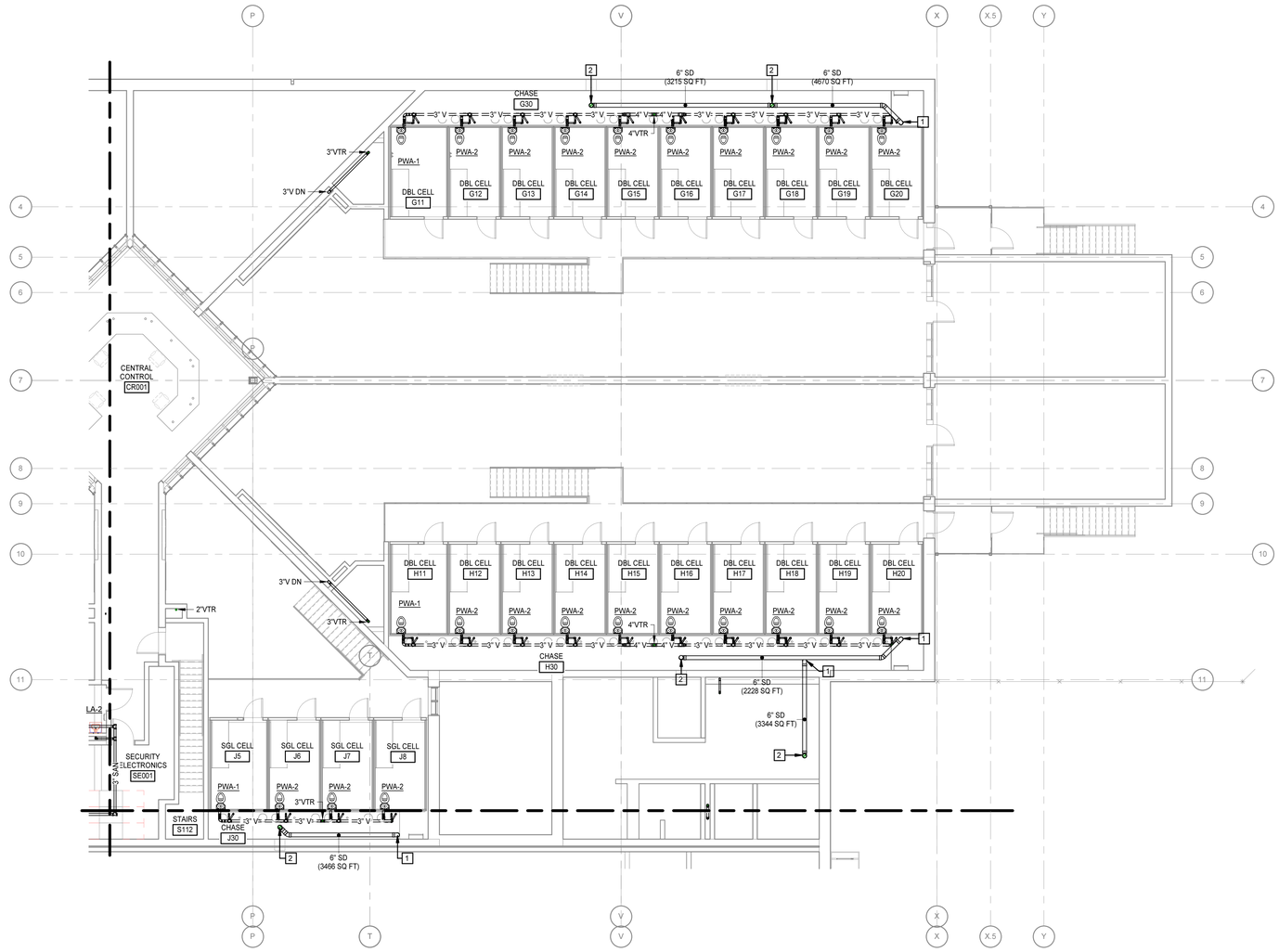
FIRST FLOOR PLAN - DOMESTIC - PART C - ADD ALTERNATE

P2.2.4

KEYNOTES

APPLIES TO THIS DRAWING

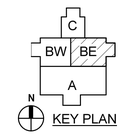
1	3" SAN UP
1	6" SD DN
2	2" SAN UP
2	6" SD UP
2	6" SD UP AND DN.



N

TIER LEVEL - SANITARY - PART BE

1/8" = 1'-0"



MOSELEY ARCHITECTS

11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC .COM

NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL 033520 11/30/23 JOHN P CARLSON

MOSELEY ARCHITECTS P.A. NORTH CAROLINA REGISTERED PROFESSIONAL CORPORATION C-3469 CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DUPLIN COUNTY, NORTH CAROLINA

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

TIER LEVEL - SANITARY - PART BE

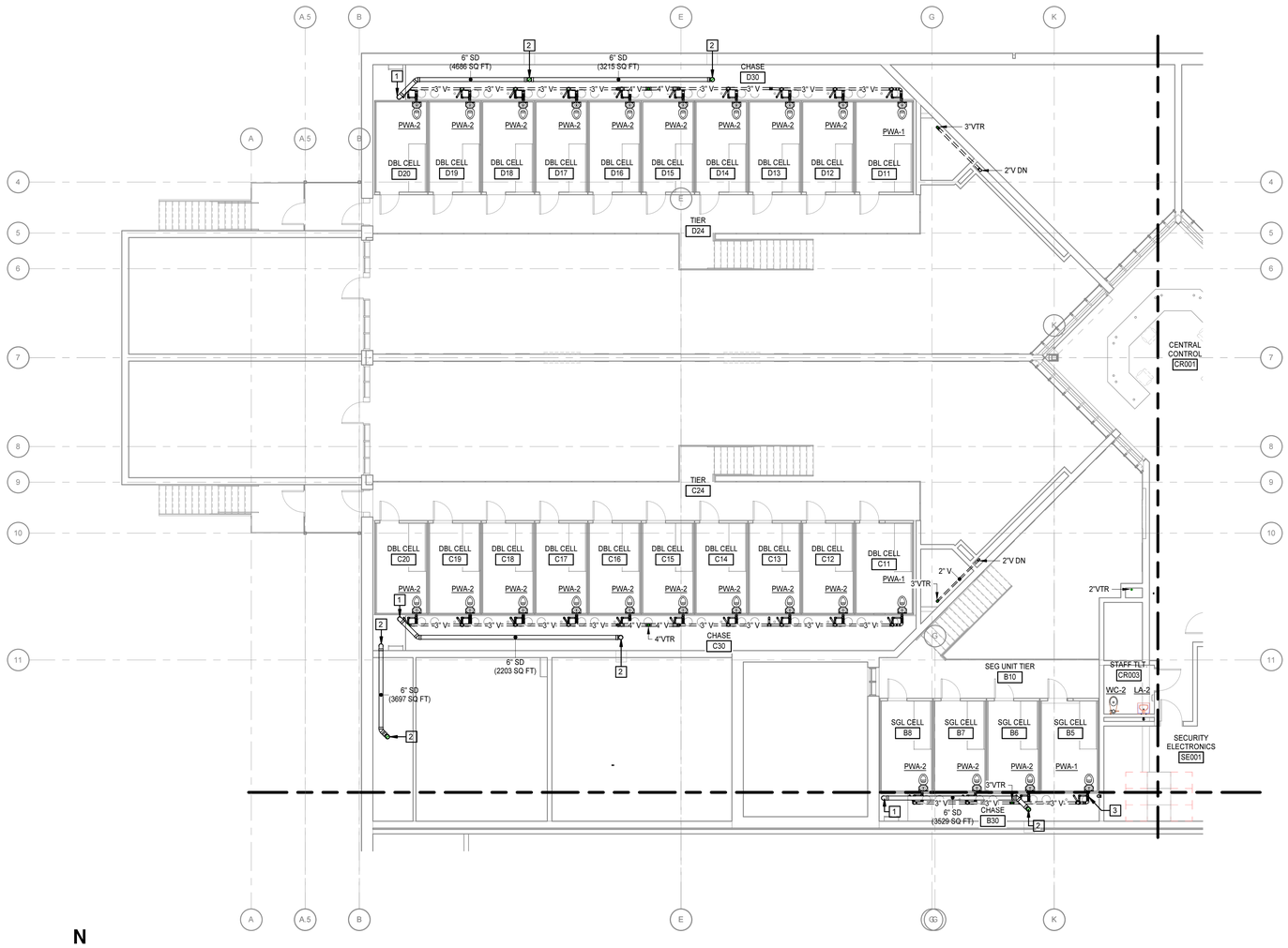
P2.3.1

12/11/2023 2:19:14 PM

KEYNOTES

APPLIES TO THIS DRAWING

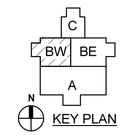
1	3" SAN UP
1	6" SD DN
2	2" SAN UP
2	6" SD UP
2	6" SD UP AND DN.
3	PINNED CLEANOUT (TYP)



N

TIER LEVEL - SANITARY - PART BW

1/8" = 1'-0"



MOSELEY ARCHITECTS

11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC .COM

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033520 JUSTIN P CARLSON

MOSELEY ARCHITECTS PROFESSIONAL CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DUPLIN COUNTY, NORTH CAROLINA

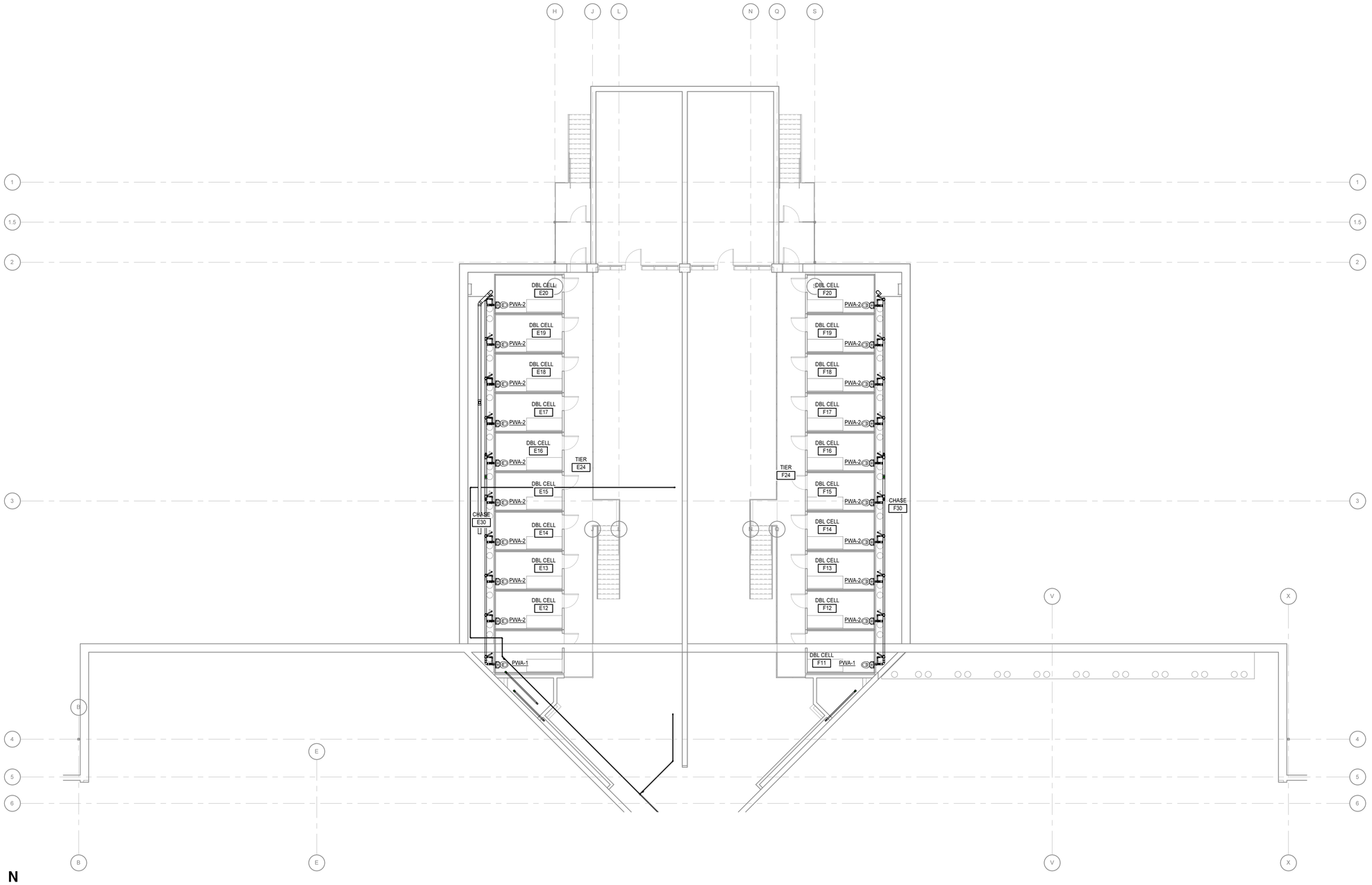
NO: 521373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

TIER LEVEL - SANITARY - PART BW

P2.3.2

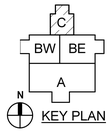
12/11/2023 2:19:16 PM

KEYNOTES
APPLIES TO THIS DRAWING



N

TIER LEVEL - SANITARY - PART C - ADD ALTERNATE
1/8" = 1'-0"



KEY PLAN

MOSELEYARCHITECTS
11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC .COM

NORTH CAROLINA REGISTERED PROFESSIONAL SEAL 033520 12/12/23 ENGINEER JUSTIN P CARLSON

MOSELEY ARCHITECTS PC REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DUPLIN COUNTY, NORTH CAROLINA

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

TIER LEVEL - SANITARY - PART C - ADD ALTERNATE

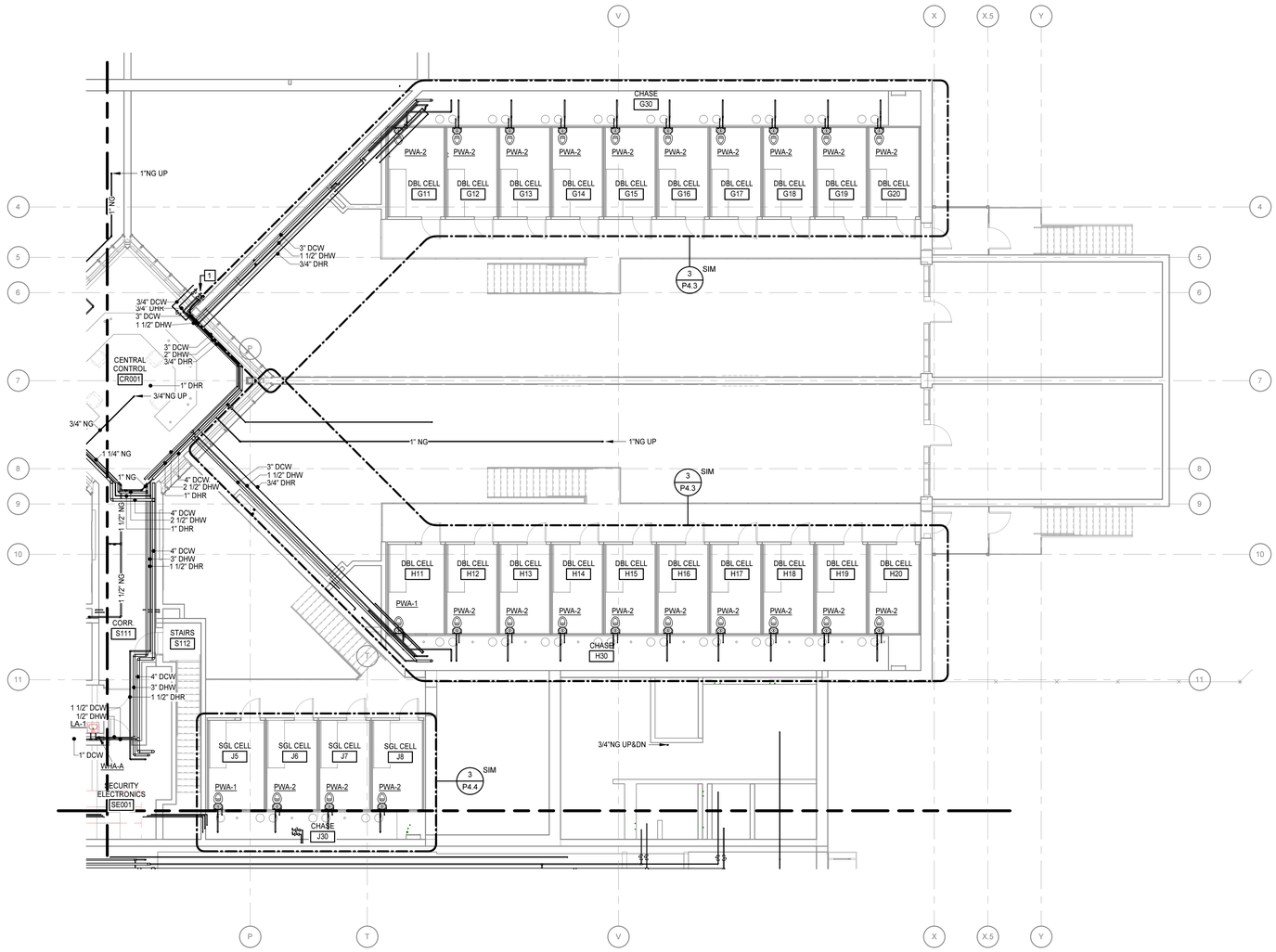
P2.3.3

12/11/2023 2:19:17 PM

KEYNOTES

APPLIES TO THIS DRAWING

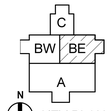
1	3" DCW, 1-1/2" DHW & 3/4" DHR CAP FOR ADD ALTERNATE HOUSING.



N

TIER LEVEL - DOMESTIC - PART BE

1/8" = 1'-0"



KEY PLAN

MOSELEYARCHITECTS

11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC .COM

NORTH CAROLINA REGISTERED SEAL 033520 ENGINEER JUSTIN P. CARLSON

MOSELEY ARCHITECTS PC REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DUPLIN COUNTY, NORTH CAROLINA

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

TIER LEVEL - DOMESTIC - PART BE

P2.4.1

12/11/2023 2:19:19 PM

KEYNOTES

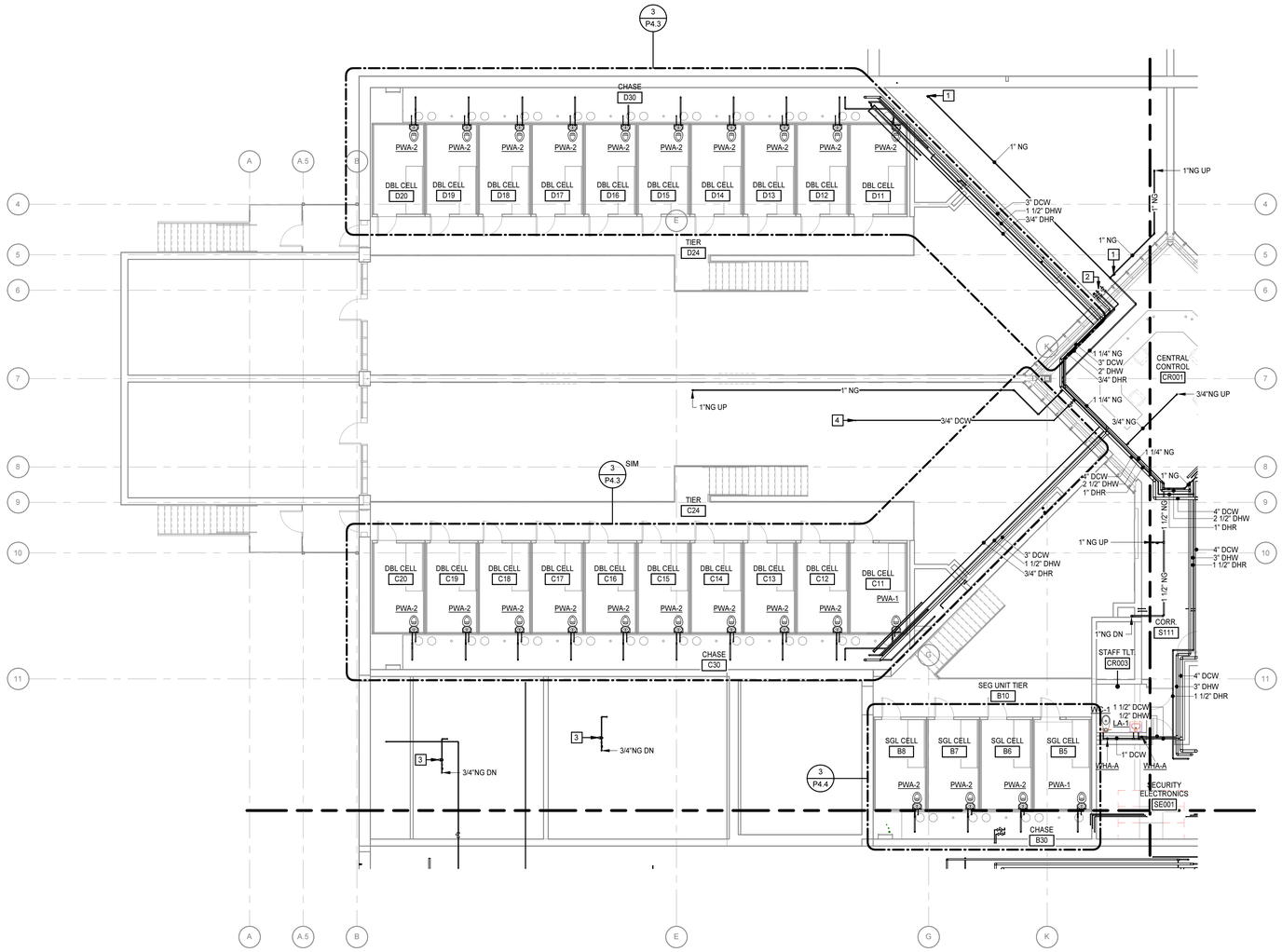
APPLIES TO THIS DRAWING

1 PROVIDE GAS TIGHT BALL VALVE AND CAP FOR HVAC ALTERNATE 2 NATURAL GAS PIPE CONNECTION.

2 3" DCW, 1-1/2" DHW & 3/4" DHR CAP FOR ADD ALTERNATE HOUSING.

3 REFER TO GAS CONNECTION DETAILS ON DWG P5.3

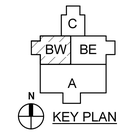
4 3/4" DCW UP TO RH-1



N

TIER LEVEL - DOMESTIC - PART BW

1/8" = 1'-0"



KEY PLAN

MOSELEY ARCHITECTS

11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC .COM

NORTH CAROLINA REGISTERED SEAL 033520 ENGINEER JUSTIN P CARLSON

MOSELEY ARCHITECTS P.A. NORTH CAROLINA REGISTERED CORPORATION C-3469 CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DUPLIN COUNTY, NORTH CAROLINA

NO:	DATE:
621373	DECEMBER 12, 2023

REVISIONS

DATE	DESCRIPTION

TIER LEVEL - DOMESTIC - PART BW

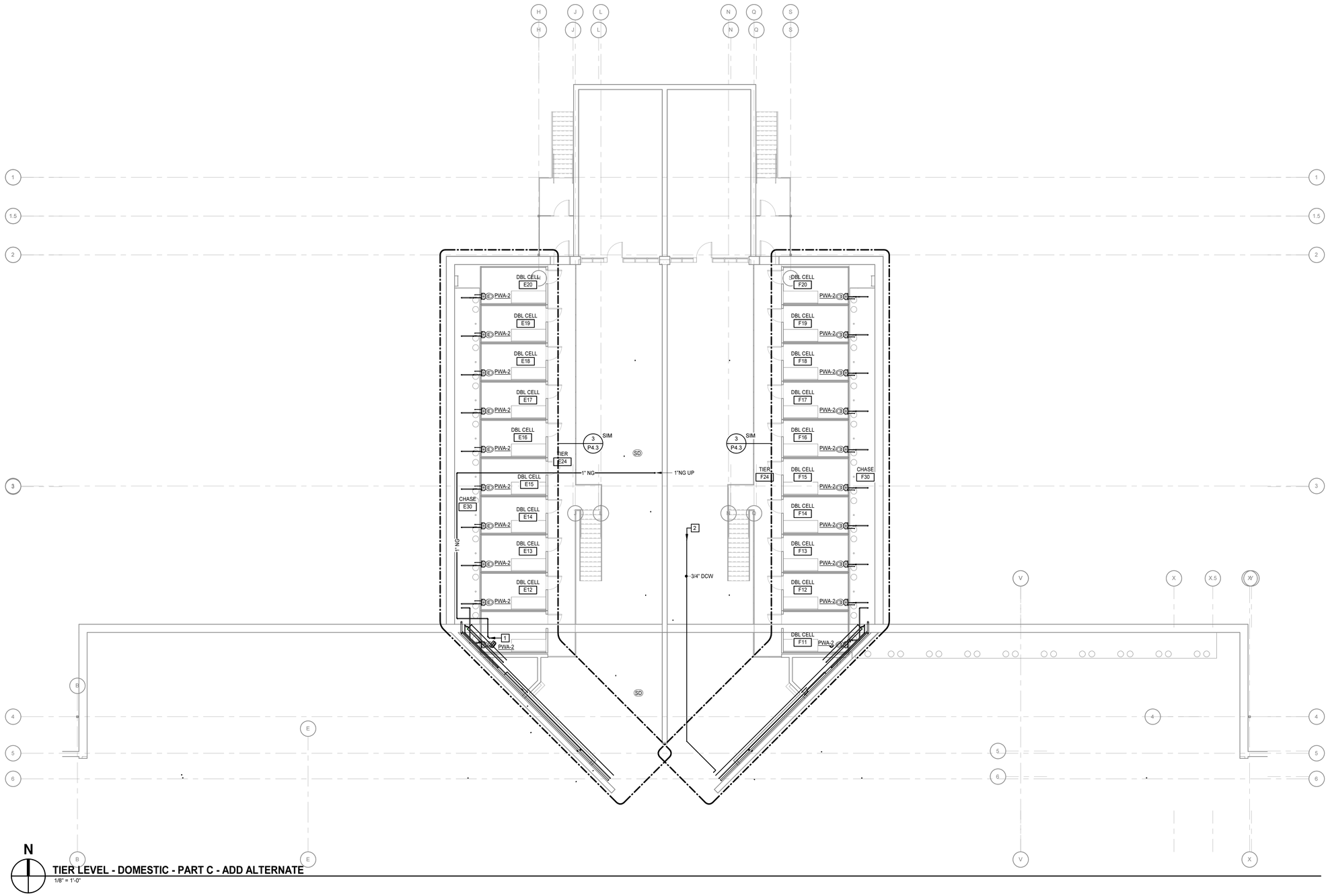
P2.4.2

12/11/2023 2:19:22 PM

KEYNOTES

APPLIES TO THIS DRAWING

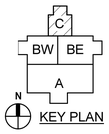
1. PROVIDE GAS TIGHT BALL VALVE AND CAP FOR HVAC ALTERNATE 2 NATURAL GAS PIPE CONNECTION.
2. 3/4" DCW UP TO RH-1



N

TIER LEVEL - DOMESTIC - PART C - ADD ALTERNATE

1/8" = 1'-0"



KEY PLAN

MOSELEYARCHITECTS

11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC .COM

NORTH CAROLINA REGISTERED SEAL 033520 12/12/23 ENGINEER JUSTIN P CARLSON

MOSELEY ARCHITECTS PC REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DUPLIN COUNTY, NORTH CAROLINA

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

TIER LEVEL - DOMESTIC - PART C - ADD ALTERNATE

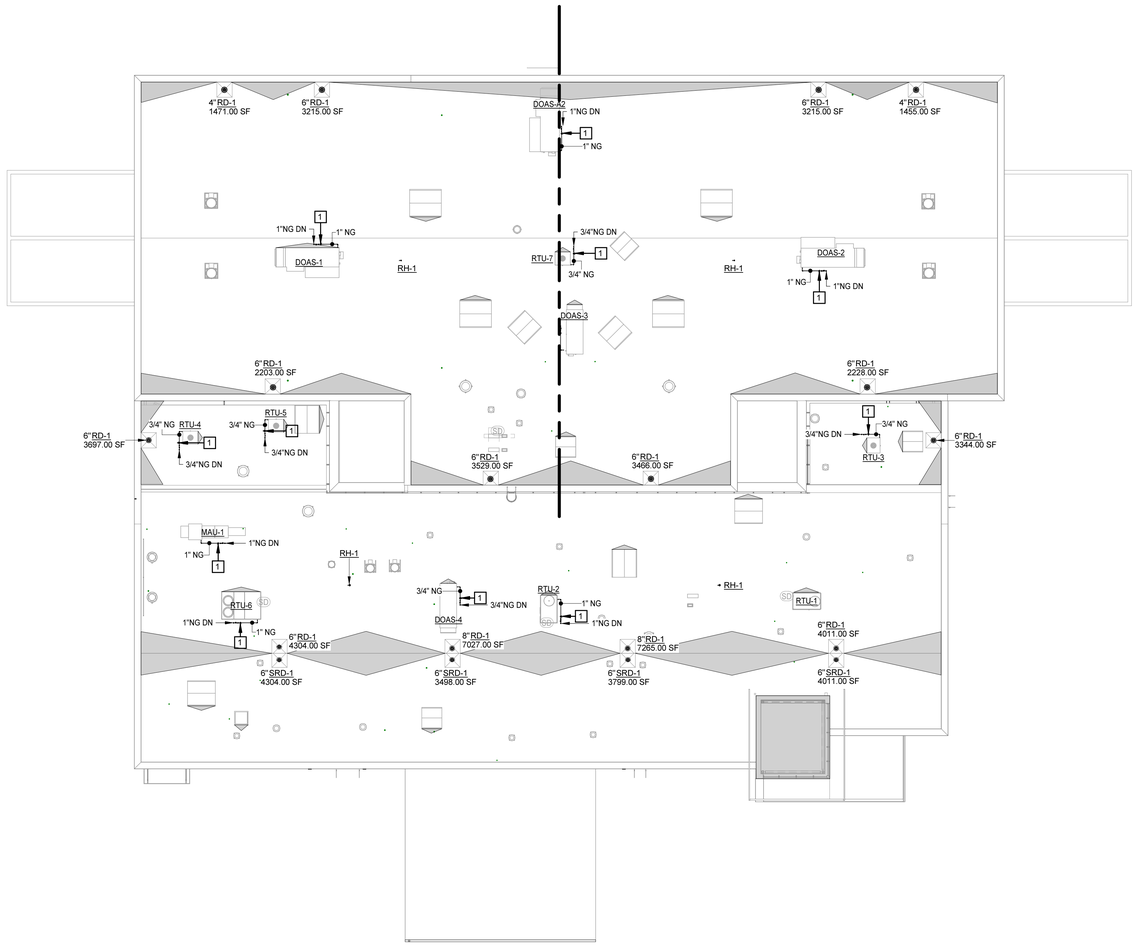
P2.4.3

12/11/2023 2:19:22 PM

KEYNOTES

APPLIES TO THIS DRAWING

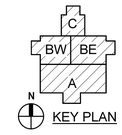
1	NATURAL GAS PRESSURE REGULATOR
1	REFER TO GAS CONNECTION DETAILS ON DWG P5.3



N

ROOF PLAN - PLUMBING

1/16" = 1'-0"



MOSELEY ARCHITECTS

11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC .COM

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033520 JUSTIN P CARLSON

MOSELEY ARCHITECTS P.A. NORTH CAROLINA CORPORATION C-3469 CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DUPLIN COUNTY, NORTH CAROLINA

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

ROOF PLAN - PLUMBING

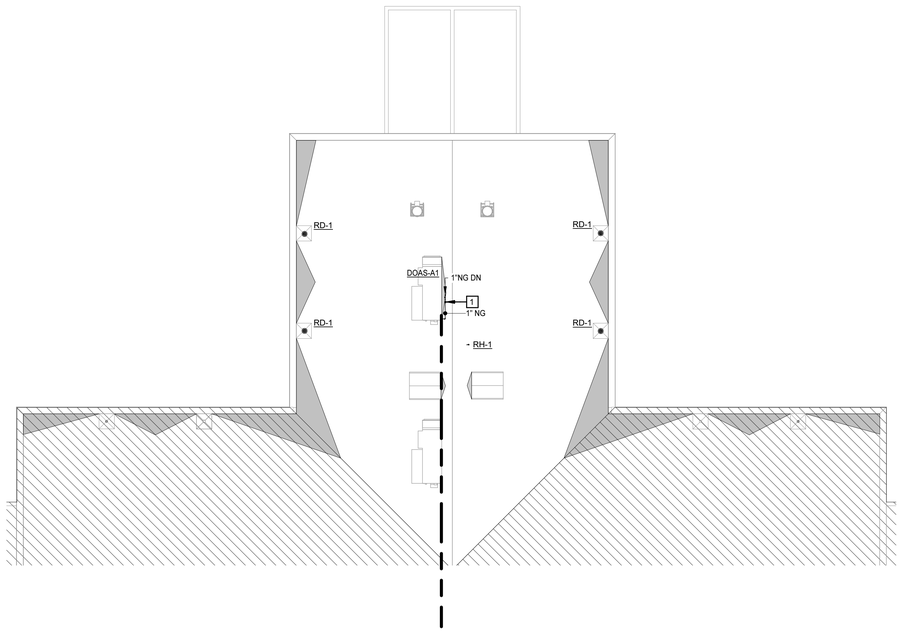
P3.0.1

12/11/2023 2:19:26 PM

KEYNOTES

APPLIES TO THIS DRAWING

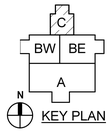
1	NATURAL GAS PRESSURE REGULATOR



N

ROOF PLAN - PLUMBING

1/16" = 1'-0"



KEY PLAN

MOSELEYARCHITECTS

11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC .COM

NORTH CAROLINA PROFESSIONAL SEAL 033520 12/12/23 ENGINEER JUSTIN P CARLSON

MOSELEY ARCHITECTS PLLC REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

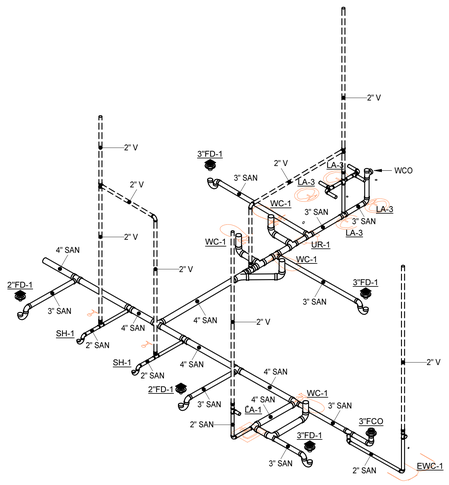
DUPLIN COUNTY, NORTH CAROLINA

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

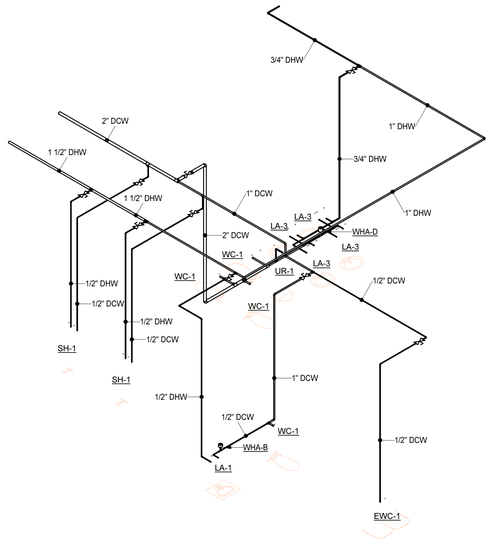
ROOF PLAN - PLUMBING - ADD ALTERNATE

P3.0.2

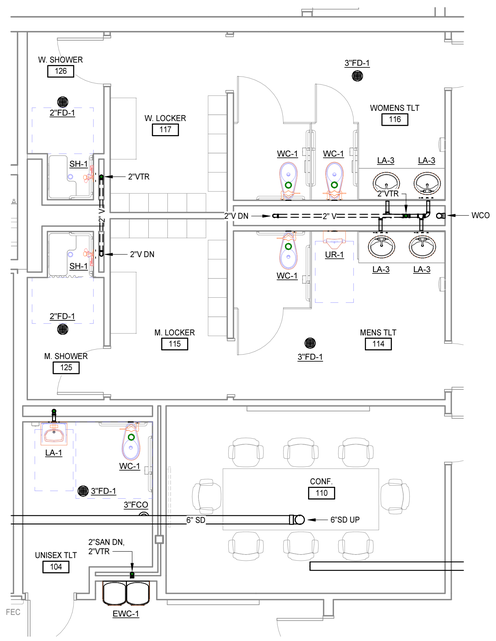
12/11/2023 2:19:26 PM



S1 **RISER DIAGRAM - LOCKER ROOMS 115 & 117 - SANITARY**

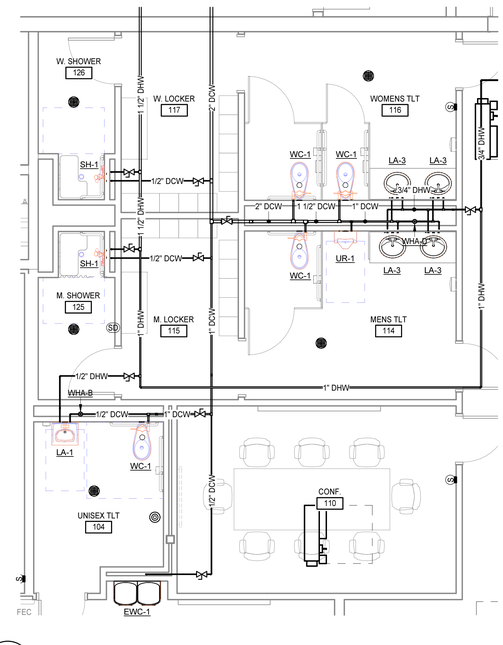


D1 **RISER DIAGRAM - LOCKER ROOMS 115 & 117 - DOMESTIC**



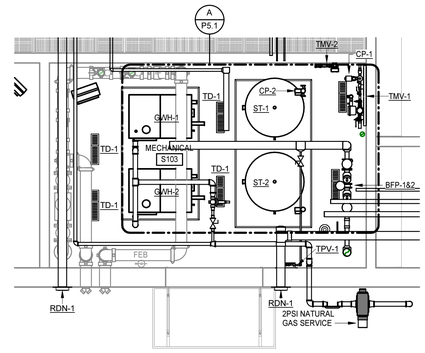
3 P2.1.1 | P4.1 **ENLARGE PLAN - LOCKER ROOMS 115 AND 117 - SANITARY**

1/4" = 1'-0"



2 P2.2.1 | P4.1 **ENLARGE PLAN - LOCKER ROOMS 115 AND 117 - DOMESTIC**

1/4" = 1'-0"



1 P2.1.1 | P4.1 **ENLARGE MECHANICAL ROOM AC004 - PLUMBING**

1/4" = 1'-0"

MOSELEYARCHITECTS
11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC COM

NORTH CAROLINA REGISTERED ARCHITECT SEAL 033520 JUSTIN P CARLSON

MOSELEY ARCHITECTS P.A. NORTH CAROLINA CORPORATION C-3469 NORTH CAROLINA CHARLOTTE NC

DUPLIN COUNTY DETENTION CENTER

DUPLIN COUNTY, NORTH CAROLINA

NO: 821373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

ENLARGED PLANS

P4.1

12/11/2023 2:19:28 PM

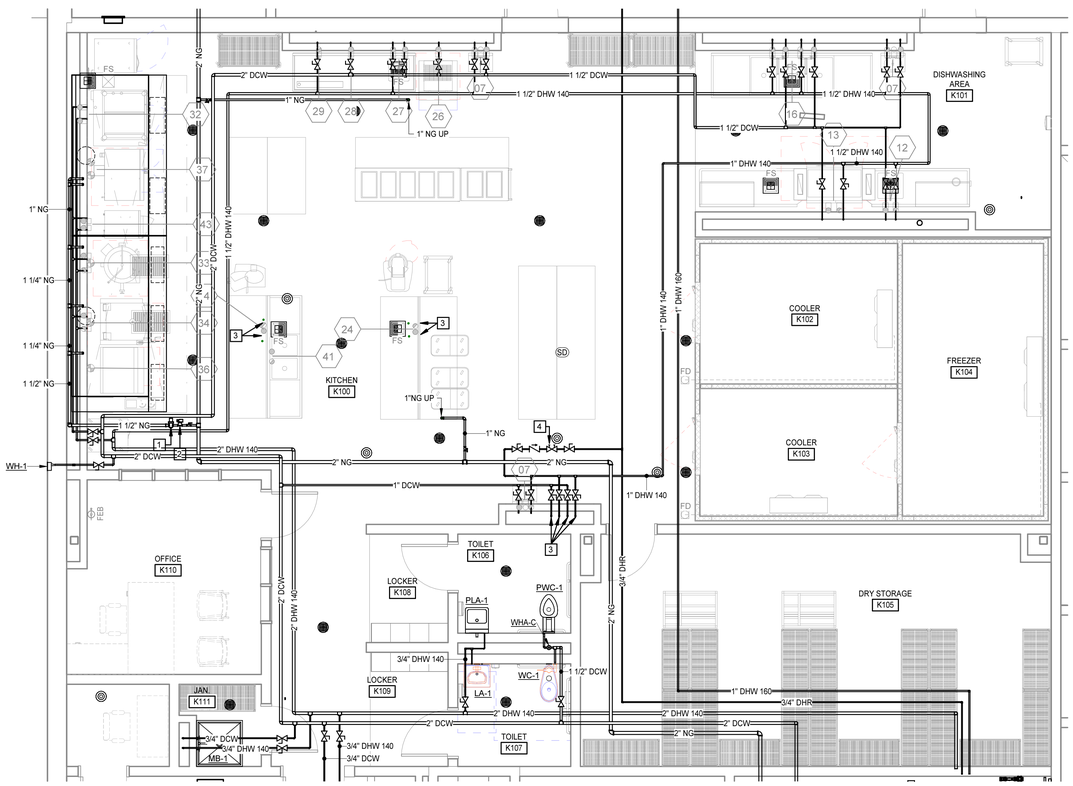
FOODSERVICE EQUIPMENT SCHEDULE

QTY	ITEM	DESCRIPTION	MANUFACTURER	MODEL	ITEM	ELECTRICAL							PLUMBING								GAS			REMARKS
						ELECTRICAL A.F.F.	KW	HP	AMPS	VOLTS	PHASE	NEMA	HW SIZE	HW/A.F.F.	CW SIZE	CW/A.F.F.	IW	DRAIN TYPE	DW	DW A.F.F.	GAS SIZE	GAS/A.F.F.	BTU/HR.	
1	03	COLD STORAGE ASSEMBLY	BALLY	CUSTOM	03	*												F.D.						
2	09	WORK TABLE	EAGLE GROUP	T30120SE	09																			UNDERSHELF
2	10	WORKTABLE	EAGLE GROUP	T3060SE	10													F.S.						UNDERSHELF
1	12	SOILED DISHTABLE	EAGLE GROUP	SDTL-84-14/3	12								1/2"	14"	1/2"	14"		F.S.						20"x20"x8"PRE-RINSE SINK, SCRAP BLOCK, PRE-RINSE UNIT, LEVER DRAIN
1	13	DISHWASHER, CONVEYOR TYPE	HOBART	CL44EN-ADV	13	64"	A:30		55.0	208	3	(2)DIRECT CONN.	1/2"	12"	1/2"	12"	2"	F.S.						A:BOOSTER B:DISHMACHINE, DRAIN WATER TEMPERING KIT, TABLE LIMIT SWITCH
1	16	THREE (3) COMPARTMENT SINK	EAGLE GROUP	FN2860-3-30-14/3	16								2@1/2"	14"	2@1/2"	14"	1 1/2"	F.S.						(3)LEVER DRAIN, (2)B-0231 FAUCET
2	17	BEVERAGE DISPENSER, INSULATED	CAMBRO	1000LCD157	17																			
1	23	WORK TABLE	EAGLE GROUP	T24120SE	23																			UNDERSHELF
2	24	WORK TABLE W/PREP SINK	EAGLE GROUP	T3096SE-BS	24								1/2"	STUB	1/2	STUB		F.S.						20"x20"x14" SINK BOWL, FAUCET, LEVER WASTE, UNDERSHELF, FLANGED FEET
1	26	ICE MAKER, CUBE-STYLE	ICE-O-MATIC	CIM0520FA	26	64"			17.8	120	1	DIRECT CONN.			3/8"	64"	3/4"	F.S.						B55PS ICE BIN, KBT19 BIN TOP, WATER FILTER, BACKFLOW PREVENTER
1	27	BEVERAGE COUNTER W/SINK	JOHN BOOS	4CB4R10-3096-R	27								1/2"	14"	1/2"	14"	3 1/2"	F.S.						18"X18"X12" SINK ON RIGHT, FAUCET, LEVER DRAIN, URN TROUGH
1	28	TEA BREWER	BY VENDOR	N.I.K.C.	28	48"			14.0	208	1	DIRECT CONN.			1/4"	48"		F.S.						VERIFY UTILITIES WITH VENDOR
1	29	COFFEE MAKER / BREWER URN	BY VENDOR	N.I.K.C.	29	48"			28.0	208	1	DIRECT CONN.	3/8"	48"				F.S.						VERIFY UTILITIES WITH VENDOR
1	32	COMBI OVEN, ELECTRIC	ALTO-SHAAM	CTC7-20E	32	24"			45.7	208	3	DIRECT CONN.			2@3/4"	24"	1 1/2"	F.S.						OVEN STAND, WATER FILTER, BACKFLOW PREVENTER
1	33	KETTLE, GAS, STATIONARY	CROWN	GL-20E	33	24"			4.0	120	1	CORD&PLUG	1/2"	24"	1/2"	24"		F.T.			3/4"	24"	100,000	DOUBLE PANTRY FAUCET, TVS-3 3"TANGENT DRAW OFF VALVE
1	34	TILTING SKILLET BRAISING PAN	MARKET FORGE	30P-STEL	34	24"			86.5	208	1	CORD&PLUG	3/8"	24"	3/8"	24"	1 1/2"	F.T.			3/4"	24"	93,000	DOUBLE PANTRY FAUCET
1	41	TWO (2) COMPARTMENT SINK	EAGLE GROUP	FN2032-2-30-14/3	41								1/2"	STUB	1/2"	STUB	1 1/2"	F.S.						(2)LEVER WASTE, T&S FAUCET B-0231
1	43	CONVECTION STEAMER, ELECTRIC	CLEVELAND	(2) 22CET66.1	43	24"/48"			29.8	208	3	(2)DIRECT CONN.			2@3/4"	24"/48"	1 1/4"	F.T.						DOUBLE STACKED, ES26304066E EQUIPMENT STAND, WATER FILTER, BACK FLOW PREVENTER
2	51	WASHER/EXTRACTOR, 55 LB.	UNIMAC	UY55	51	ABV.		4.02		480	3	DIRECT CONN.	1/2"	48"	1/2"	48"		F.T.						
1	54	ONE (1) COMPARTMENT SINK	EAGLE GROUP	2124-1-16/4	54								1/2"	14"	1/2"	14"	1 1/2"	F.S.						LEVER DRAIN, FAUCET

BACKFLOW PREVENTER SCHEDULE

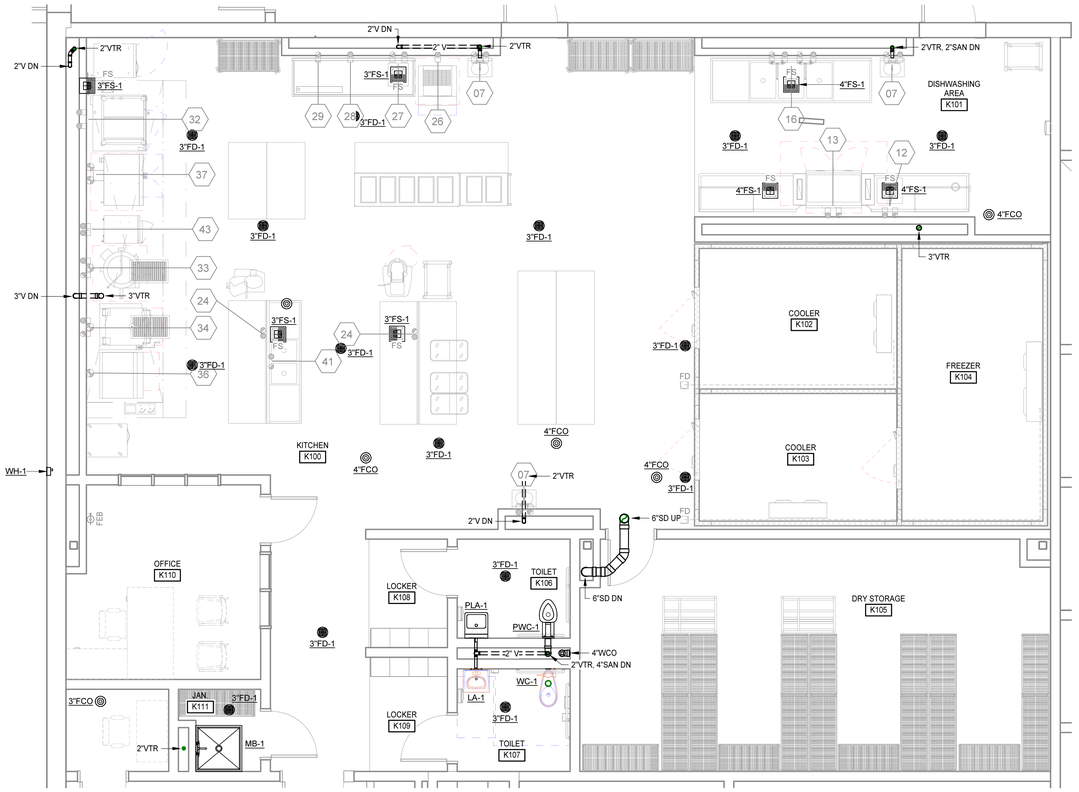
TAG	BASIS OF DESIGN		FOOD SERVICE ITEM	SYSTEM	ASSE	DESIGN FLOW RATE (GPM)	PRESSURE DROP (PSI)	NOTES
	MANUFACTURER	MODEL						
BFP-3	WATTS	LFN9-CD	12, 16	DCW	1052	3.00	15.00	
BFP-4	WATTS	LF008PCQT	13	DCW, DHW	1056	3.00	6.00	
BFP-5	WATTS	LF7	26	DCW	1024	3.00	6.00	1
BFP-6	WATTS	SD3	29, 28	DCW	1022	3.00	6.00	
BFP-7	WATTS	LF288A	12	DCW	1001	3.00	6.00	

1. PROVIDE BACKFLOW PREVENTER ON INLET SIDE OF WATER FILTER.



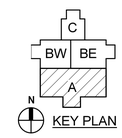
2 P2.1 | P4.2 **ENLARGED PLAN - KITCHEN - DOMESTIC**

1/4" = 1'-0"



1 P2.1.1 | P4.2 **ENLARGED PLAN - KITCHEN - SANITARY**

1/4" = 1'-0"



KEY PLAN

MOSELEY ARCHITECTS
11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC COM

NORTH CAROLINA PROFESSIONAL SEAL 033520 ENGINEER JOSEPH P CARLSON

MOSELEY ARCHITECTS PROJECT TRACKING NO. CORPORATION NO. C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

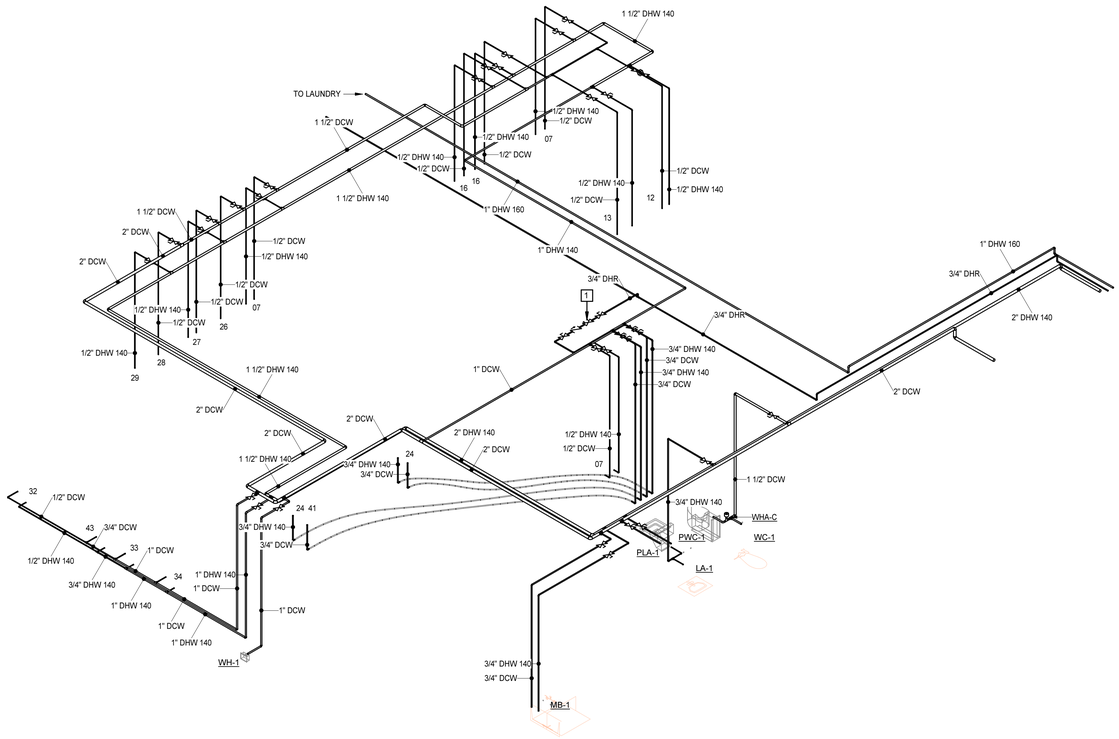
DUPLIN COUNTY, NORTH CAROLINA

NO: 821373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

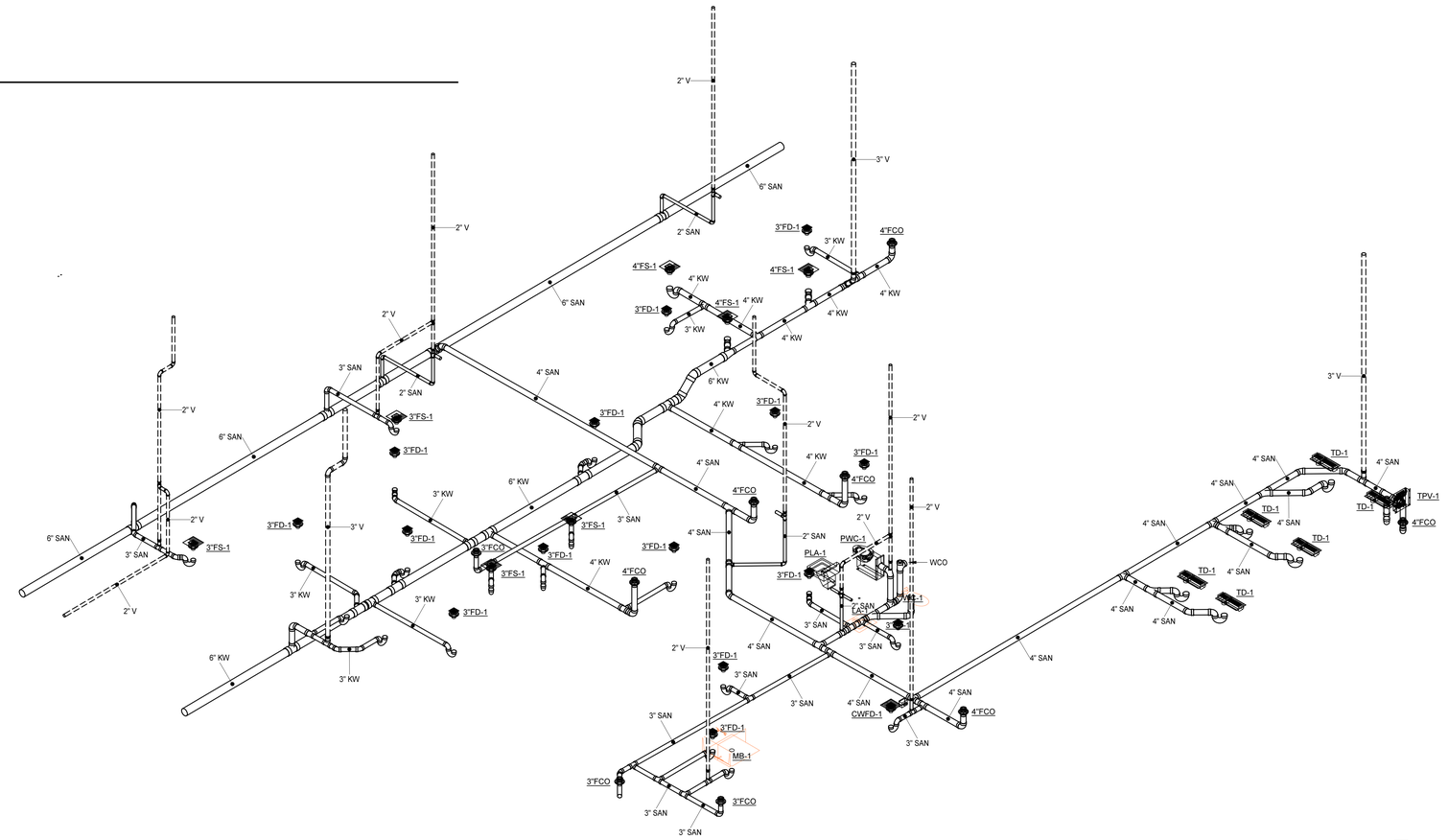
ENLARGED PLANS - KITCHEN

P4.2

12/11/2023 2:19:32 PM



D1 **RISER DIAGRAM - KITCHEN - DOMESTIC**



S1 **RISER DIAGRAM - KITCHEN - SANITARY**

KEYNOTES

APPLIES TO THIS DRAWING

1 PROVIDE A THERMOSTATIC BALANCING VALVE. REFER TO HOT WATER RECIRCULATION BRANCH CONNECTION DETAIL ON DWG P5.1.

MOSELEY ARCHITECTS
11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC .COM

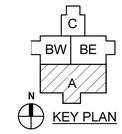
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033520 11/01/23 JOHN V P CARLSON

MOSELEY ARCHITECTS P.A. NORTH CAROLINA REGISTERED CORPORATION C-3469 CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DUPLIN COUNTY, NORTH CAROLINA

NO: 52137	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION



RISER DIAGRAM - KITCHEN

P4.2.1

12/11/2023 2:19:34 PM

KEYNOTES

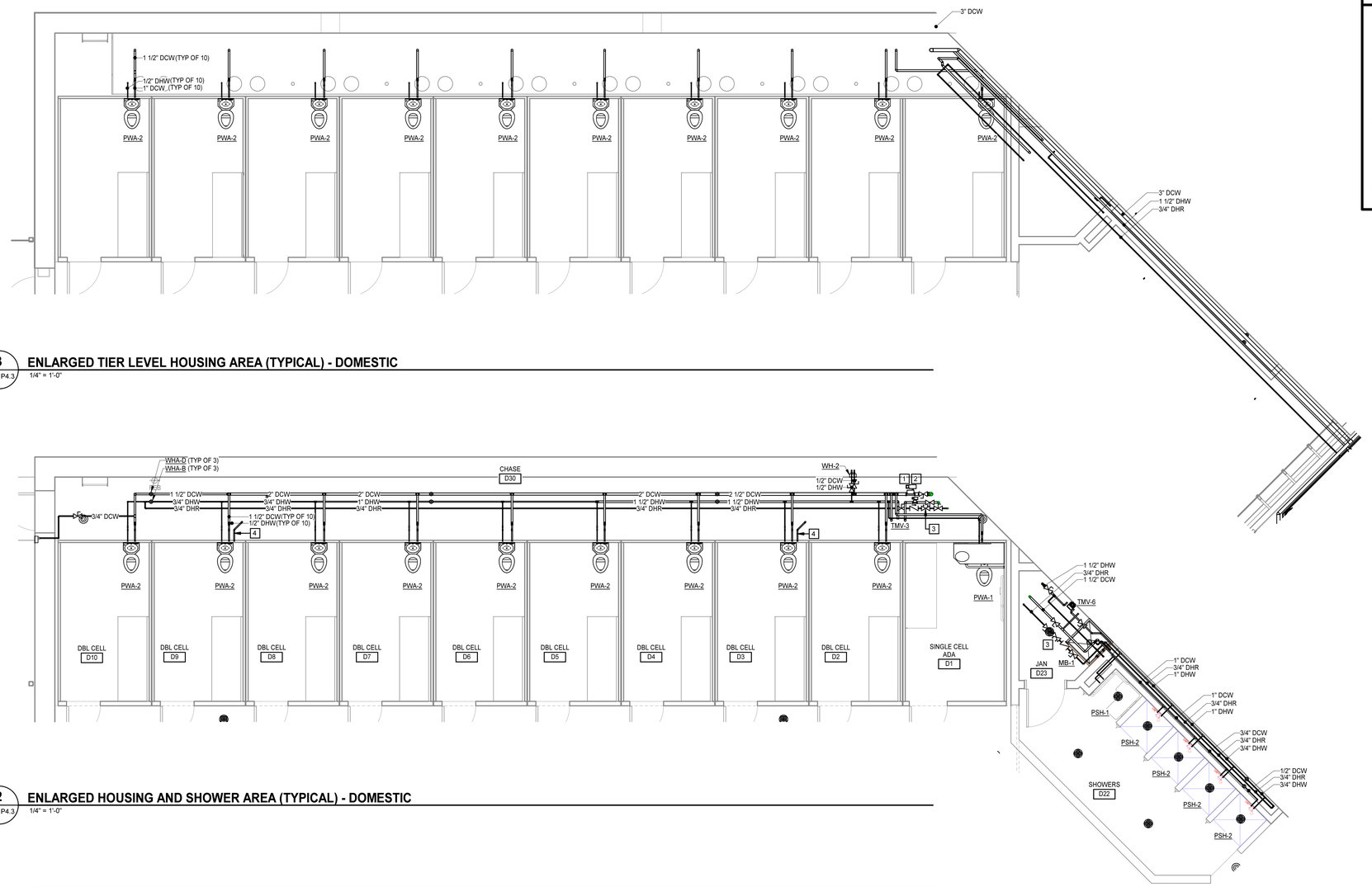
APPLIES TO THIS DRAWING

1 PROVIDE A MANUAL SHUT-OFF VALVE PER SPECIFICATION AND VALWORX SERIES 5676 OR EQUAL MOTORIZED ISOLATION VALVE ON DOMESTIC COLD WATER (DCW) AND DOMESTIC HOT WATER (DHW) PIPING WHERE SHOWN. ON/OFF VALVES SHALL BE CONTROLLED BY THE SECURITY ELECTRONICS SYSTEMS IN MASTER CONTROL ROOM AND SHALL ALSO BE WIRED VIA AUXILIARY LIMIT SWITCH TO VISUALLY CONFIRM VALVE POSITION AT MASTER CONTROL CONSOLE. RELAY AND VALVE ACTUATOR POWER SHALL BE PROVIDED BY DIVISION 26. COORDINATE WITH SECURITY ELECTRONICS SYSTEM DIVISION 28 FOR SECURITY SYSTEM INTERFACE. REFER TO DOMESTIC WATER MOTORIZED ISOLATION VALVE DETAIL. ALL BRANCH HOUSING AREA, SHOWER AREA AND DORMITORY AREA MANUAL AND SOLENOID ISOLATION VALVES TO BE LOCATED IN PLUMBING CHASE AND ACCESSIBLE FROM AN EIGHT FOOT LADDER.

2 DOMESTIC WATER PIPING, VALVES AND ACCESSORIES SHALL BE LOCATED APPROXIMATELY 7' AFF WITHIN CHASE AREA. ROUTE PIPING AS REQUIRED TO CLEAR REMOVABLE PORTIONS OF SANITARY SYSTEM AND INSTALL ALL VALVES IN ACCESSIBLE LOCATION FROM LADDER.

3 PROVIDE A THERMOSTATIC BALANCING VALVE. REFER TO HOT WATER RECIRCULATION BRANCH CONNECTION DETAIL ON DWG P5.1.

4 1" DCW TRAP PRIMER TO FLOOR DRAIN. REFER TO TRAP PRIMER ASSEMBLY DETAILS.

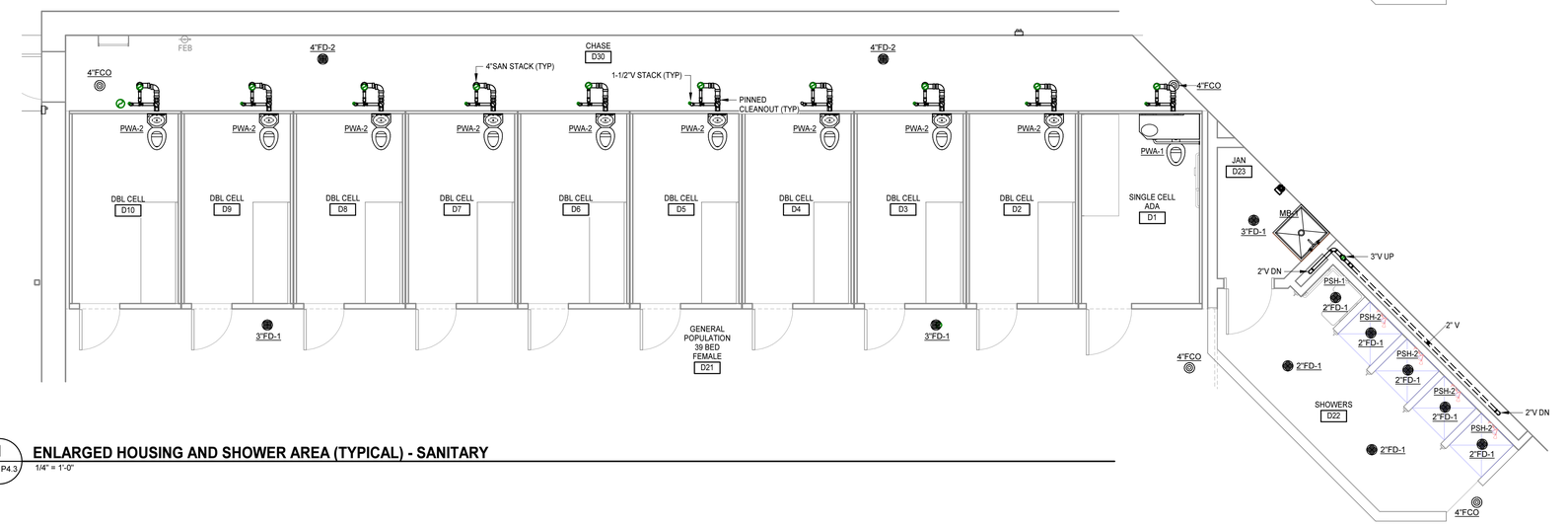


3 P2.4.1 P4.3 **ENLARGED TIER LEVEL HOUSING AREA (TYPICAL) - DOMESTIC**

1/4" = 1'-0"

2 P2.2.1 P4.3 **ENLARGED HOUSING AND SHOWER AREA (TYPICAL) - DOMESTIC**

1/4" = 1'-0"



1 P2.1.1 P4.3 **ENLARGED HOUSING AND SHOWER AREA (TYPICAL) - SANITARY**

1/4" = 1'-0"

MOSELEY ARCHITECTS
11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC COM

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033520 JUSTIN P CARLSON

MOSELEY ARCHITECTS P.A. NORTH CAROLINA CORPORATION C-3469 CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DUPLIN COUNTY, NORTH CAROLINA

NO: 821373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

ENLARGED PLANS - TYPICAL HOUSING

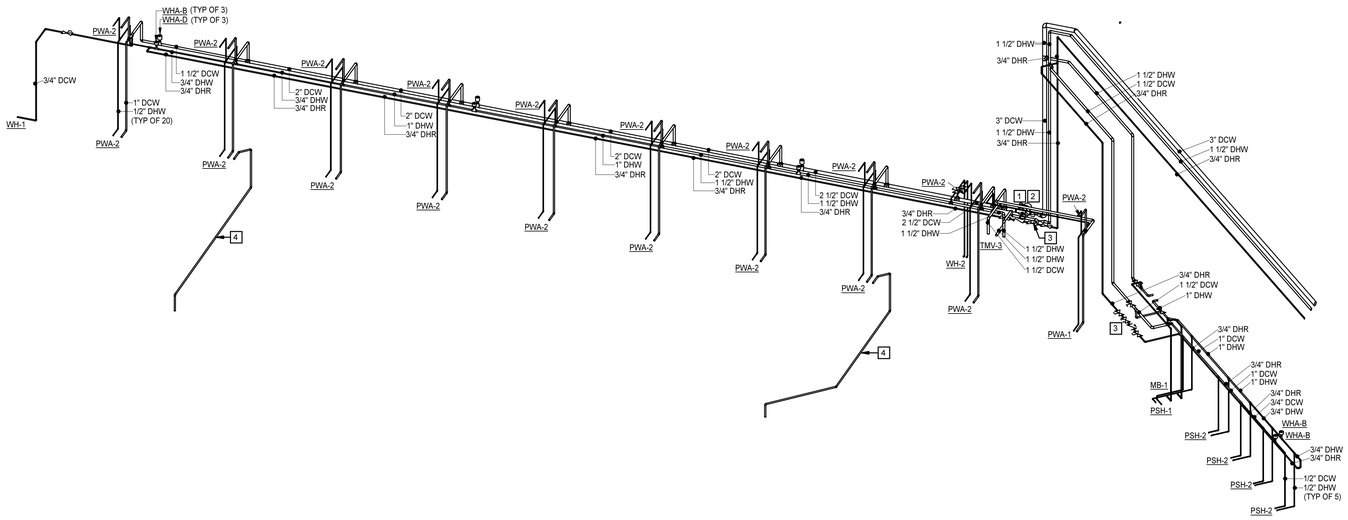
P4.3

12/11/2023 2:19:36 PM

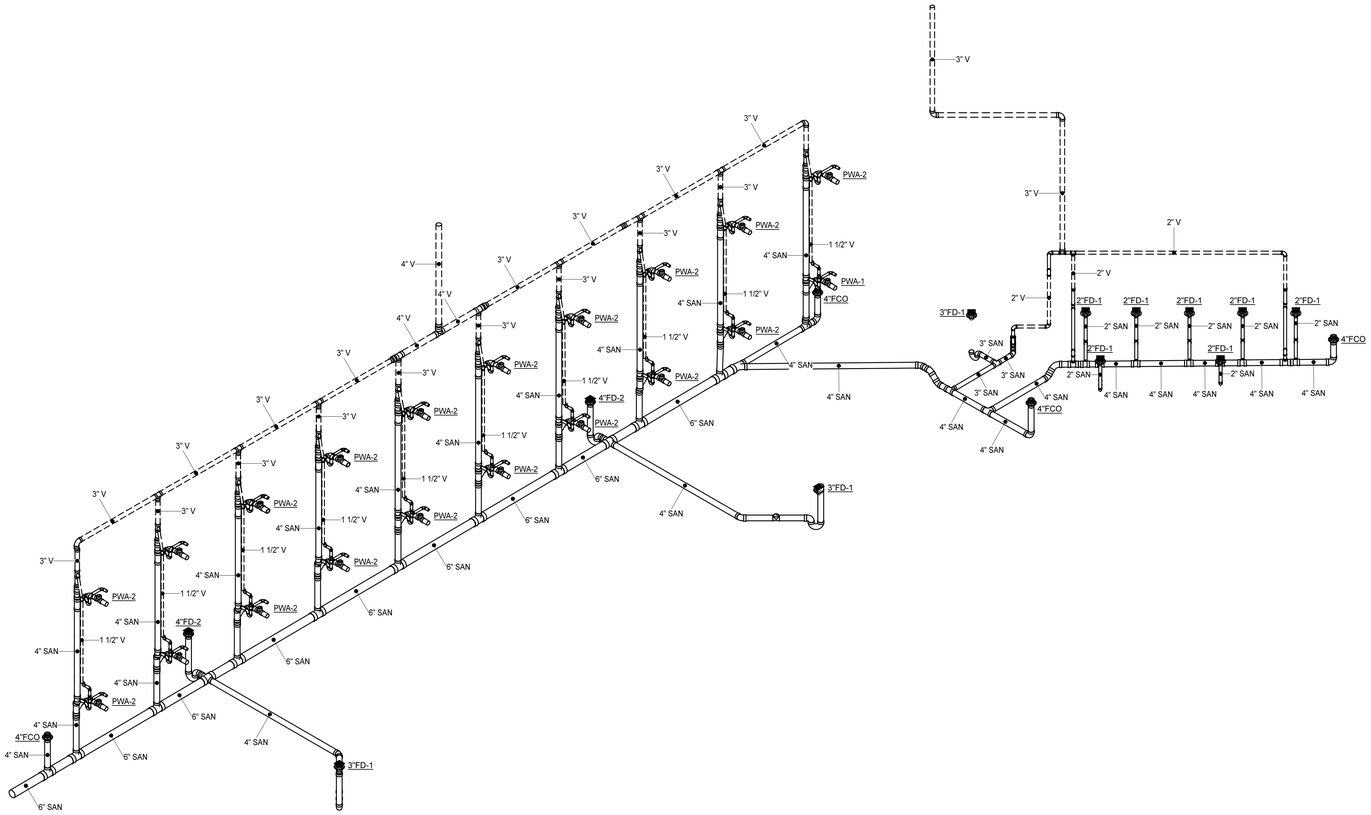
KEYNOTES

APPLIES TO THIS DRAWING

1. DOMESTIC WATER PIPING, VALVES AND ACCESSORIES SHALL BE LOCATED APPROXIMATELY 7' AFF WITHIN CHASE AREA. ROUTE PIPING AS REQUIRED TO CLEAR REMOVABLE PORTIONS OF SANITARY SYSTEM AND INSTALL ALL VALVES IN ACCESSIBLE LOCATION FROM LADDER.
2. PROVIDE A MANUAL SHUT-OFF VALVE PER SPECIFICATION AND VALWORX SERIES 5676 OR EQUAL MOTORIZED ISOLATION VALVE ON DOMESTIC COLD WATER (DCW) AND DOMESTIC HOT WATER (DHW) PIPING WHERE SHOWN. ON/OFF VALVES SHALL BE CONTROLLED BY THE SECURITY ELECTRONICS SYSTEMS IN MASTER CONTROL ROOM AND SHALL ALSO BE WIRED VIA AUXILIARY LIMIT SWITCH TO VISUALLY CONFIRM VALVE POSITION AT MASTER CONTROL CONSOLE. RELAY AND VALVE ACTUATOR POWER SHALL BE PROVIDED BY DIVISION 26. COORDINATE WITH SECURITY ELECTRONICS SYSTEM DIVISION 28 FOR SECURITY SYSTEM INTERFACE. REFER TO DOMESTIC WATER MOTORIZED ISOLATION VALVE DETAIL. ALL BRANCH HOUSING AREA, SHOWER AREA AND DORMITORY AREA MANUAL AND SOLENOID ISOLATION VALVES TO BE LOCATED IN PLUMBING CHASE AND ACCESSIBLE FROM AN EIGHT FOOT LADDER.
3. PROVIDE A THERMOSTATIC BALANCING VALVE, REFER TO HOT WATER RECIRCULATION BRANCH CONNECTION DETAIL ON DWG P5.1.
4. 1" DCW TRAP PRIMER TO FLOOR DRAIN. REFER TO TRAP PRIMER ASSEMBLY DETAILS.



D1 **TYPICAL HOUSING RISER DIAGRAM - DOMESTIC**



S1 **TYPICAL HOUSING RISER DIAGRAM - SANITARY**

MOSELEY ARCHITECTS
11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITEC .COM

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033520 JUSTIN P CARLSON

MOSELEY ARCHITECTS P.A. NORTH CAROLINA CORPORATION C-3469 CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DUPLIN COUNTY, NORTH CAROLINA

NO: 821373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

RISER DIAGRAMS - TYPICAL HOUSING

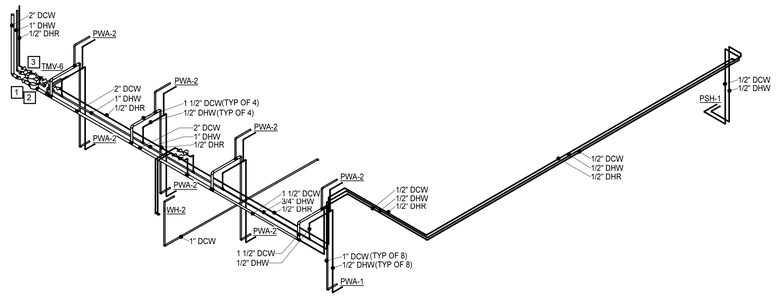
P4.3.1

12/11/2023 2:19:39 PM

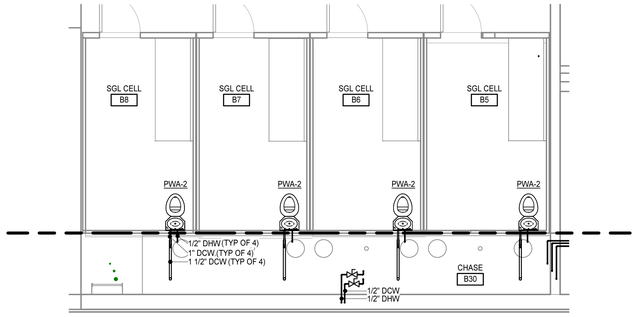
KEYNOTES

APPLIES TO THIS DRAWING

1. DOMESTIC WATER PIPING, VALVES AND ACCESSORIES SHALL BE LOCATED APPROXIMATELY 7' AFF WITHIN CHASE AREA. ROUTE PIPING AS REQUIRED TO CLEAR REMOVABLE PORTIONS OF SANITARY SYSTEM AND INSTALL ALL VALVES IN ACCESSIBLE LOCATION FROM LADDER.
2. 3" DCW, 1-1/2" DHW & 3/4" DHR CAP FOR ADD ALTERNATE HOUSING.
3. PROVIDE A THERMOSTATIC BALANCING VALVE, REFER TO HOT WATER RECIRCULATION BRANCH CONNECTION DETAIL ON DWG P5.1.
4. 3" SAN UP
5. PINNED CLEANOUT (TYP)
6. 6" SD UP AND DN.
7. 2" SAN UP

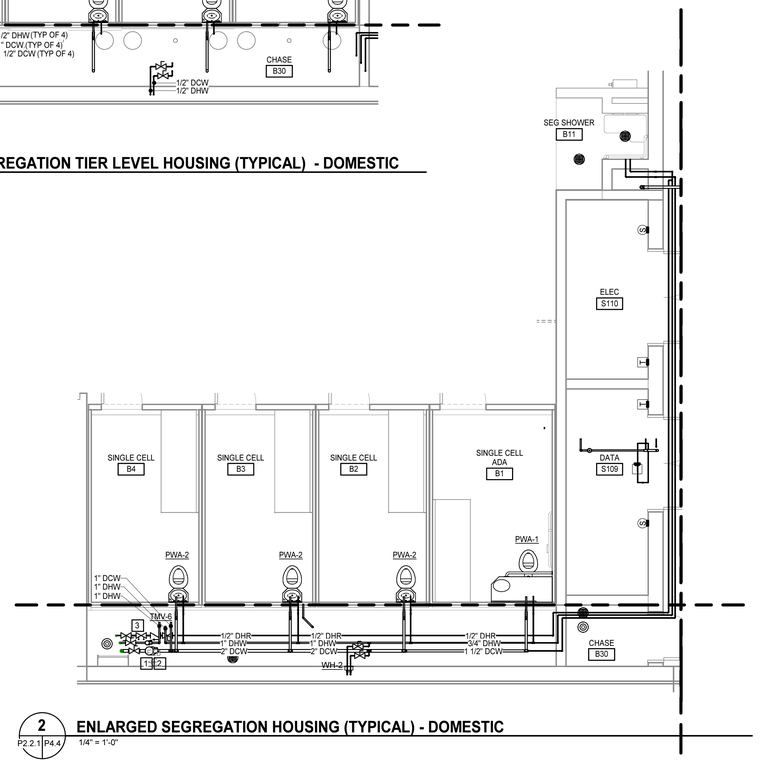


D5 SEGREGATION HOUSING RISER DIAGRAM - DOMESTIC



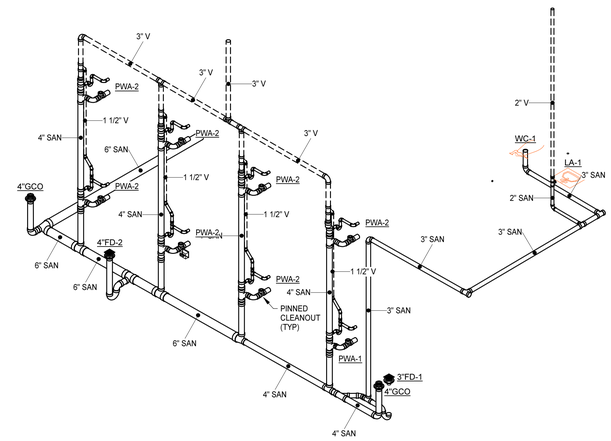
3 P2.4.1 P4.4 ENLARGED SEGREGATION TIER LEVEL HOUSING (TYPICAL) - DOMESTIC

1/4" = 1'-0"

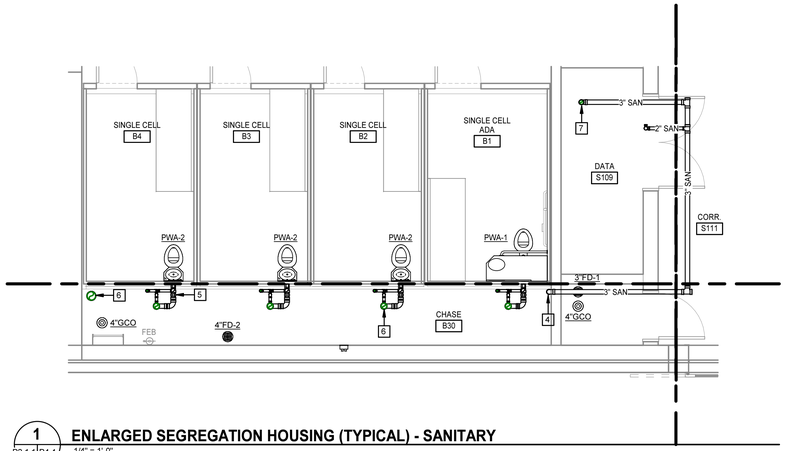


2 P2.2.1 P4.4 ENLARGED SEGREGATION HOUSING (TYPICAL) - DOMESTIC

1/4" = 1'-0"



S1 SEGREGATION HOUSING RISER DIAGRAM - SANITARY



1 P2.1.1 P4.4 ENLARGED SEGREGATION HOUSING (TYPICAL) - SANITARY

1/4" = 1'-0"

MOSELEY ARCHITECTS
11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC .COM

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033520 11/01/23 JOSEPH P CARLSON

MOSELEY ARCHITECTS, P.A. NORTH CAROLINA CORPORATION C-3469 CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DUPLIN COUNTY, NORTH CAROLINA

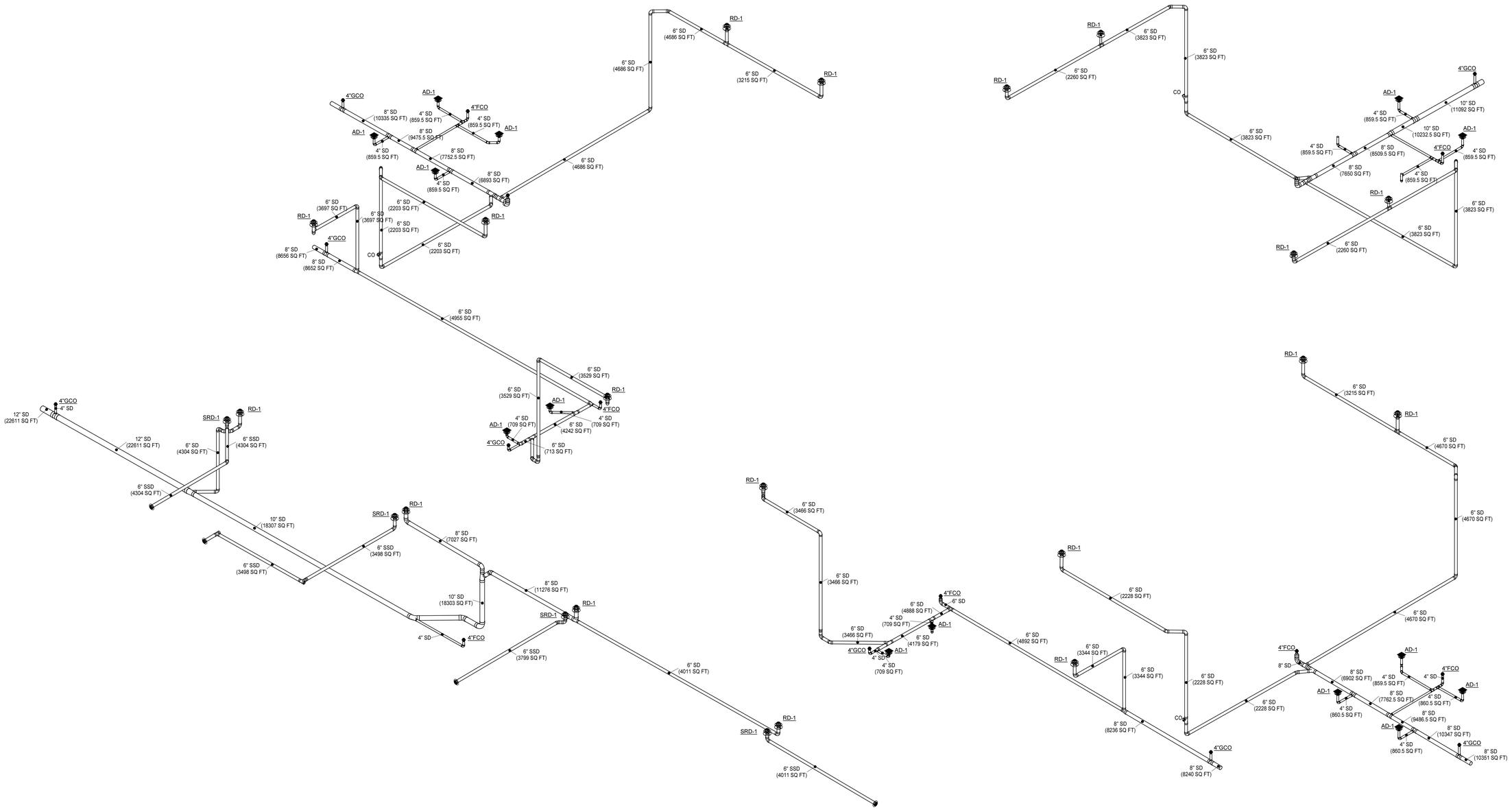
NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

ENLARGED PLANS - SEGREGATION HOUSING (TYPICAL)

P4.4

12/11/2023 2:19:41 PM

NOTE:
PRIMARY STORM SYSTEM PIPE SIZE BASED ON 4.00 INCHES OF RAIN PER A 100 YEAR, 1 HOUR RAINFALL RATE STORM PER NC IPC SECTION 1101.7



1 STORM RISER DIAGRAM

12/11/2023 2:19:43 PM

MOSELEYARCHITECTS
11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC .COM

NORTH CAROLINA PROFESSIONAL SEAL 033520 ENGINEER JUSTIN P. CARLSON

MOSELEY ARCHITECTS, P.C. REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DUPLIN COUNTY, NORTH CAROLINA

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

STORM RISER DIAGRAM

P4.6

CONNECTED GAS LOAD SCHEDULE - BLDG ADDITION - AREA "D"

TAG	DESCRIPTION	LOCATION	INPUT (MBH)
GWH-1	GAS WATER HEATER	MECHANICAL S103	1,250
GWH-2	GAS WATER HEATER	MECHANICAL S103	1,250
RTU-2	ROOFTOP UNIT	ROOF	200
RTU-3	ROOFTOP UNIT	ROOF	70
RTU-4	ROOFTOP UNIT	ROOF	60
RTU-5	ROOFTOP UNIT	ROOF	70
RTU-6	ROOFTOP UNIT	ROOF	320
RTU-7	ROOFTOP UNIT	ROOF	70
DOAS-1	OUTSIDE AIR UNIT	ROOF	350
DOAS-2	OUTSIDE AIR UNIT	ROOF	350
DOAS-3	OUTSIDE AIR UNIT	ROOF	150
DOAS-4	OUTSIDE AIR UNIT	ROOF	50
MUA-1	MAKE-UP AIR UNIT	ROOF	190
DOAS-A1	OUTSIDE AIR UNIT - ALTERNATE#1	ALT#1 ROOF	350
DOAS-A2	OUTSIDE AIR UNIT - HVAC ALTERNATE#2	ROOF	350
ITEM 36	FOOD SERVICE - RANGE	KITCHEN K100	100
ITEM 34	FOOD SERVICE - TILTING SKILLET	KITCHEN K100	140
ITEM 33	FOOD SERVICE - KETTLE	KITCHEN K100	93
ITEM 37	FOOD SERVICE - CONVECTION OVEN	KITCHEN K100	100
ITEM 37	FOOD SERVICE - CONVECTION OVEN	KITCHEN K100	100
ITEM 52	LAUNDRY - TUMBLE DRYER	LAUNDRY K112	165
ITEM 52	LAUNDRY - TUMBLE DRYER	LAUNDRY K112	165
TOTAL CONNECTED LOAD			5,943

KEYNOTES

APPLIES TO THIS DRAWING

1. REFER TO GAS CONNECTION DETAILS ON DWG P5.3
2. PROVIDE GAS TIGHT BALL VALVE AND CAP FOR HVAC ALTERNATE 2 NATURAL GAS PIPE CONNECTION.
3. NATURAL GAS SOLENOID VALVE INTERLOCKED WITH KITCHEN EXHAUST HOOD
4. NATURAL GAS PRESSURE REGULATOR

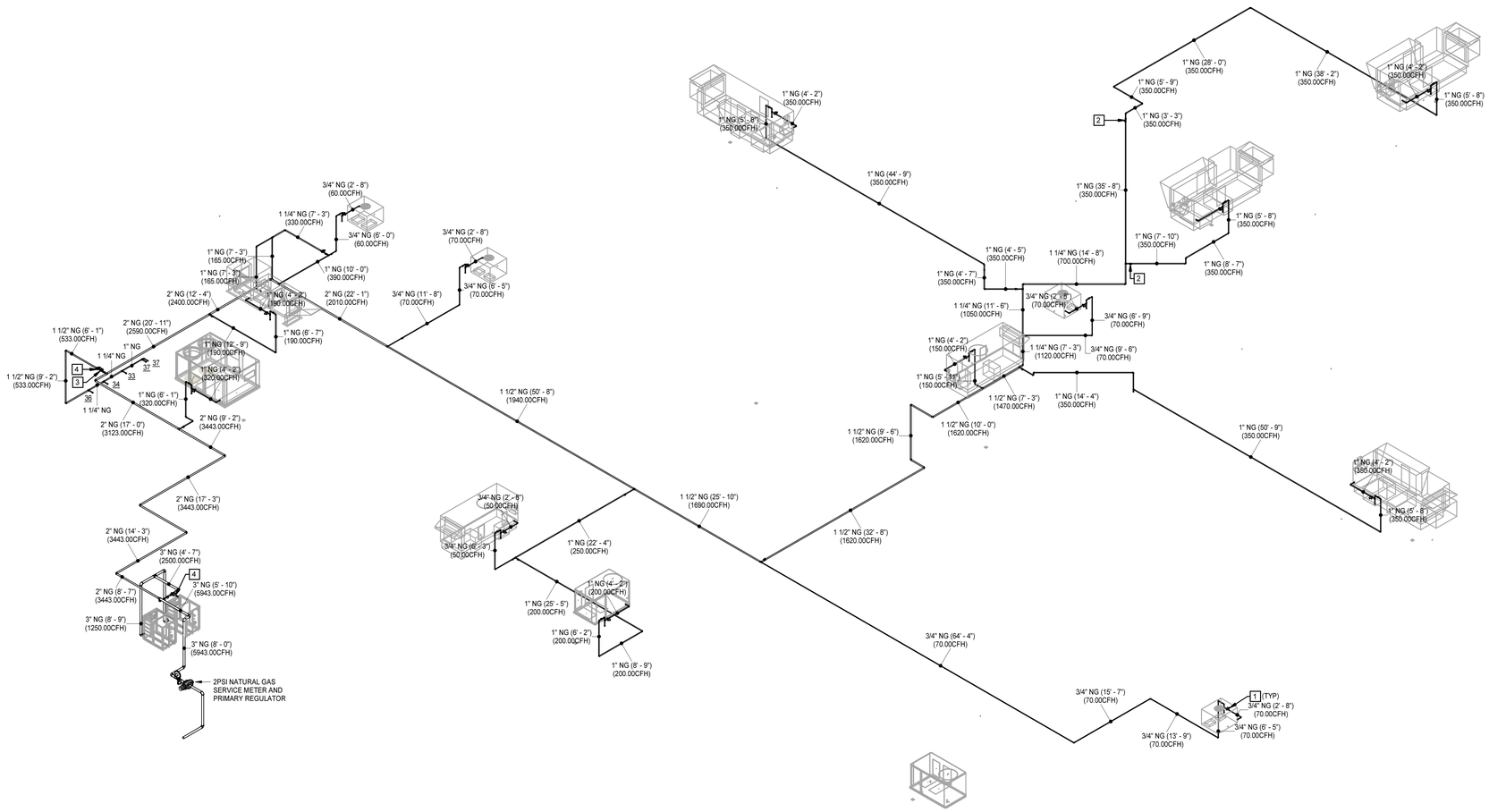
NOTE:
2.0 PSI PIPE SIZING BASED ON 28.00" W.C. (1.0 PSI) DROP AND A LONGEST RUN HAVING AN ESTIMATED EQUIVALENT LENGTH OF 456'-2".

MECHANIACAL EQUIPMENT: 7.00"-11.00" W.C. PIPE SIZING BASED ON A 0.30" W.C. DROP AND A LONGEST RUN HAVING AN ESTIMATED EQUIVALENT LENGTH OF LESS THAN 15'-0".

KITCHEN: 7.00"-11.00" W.C. PIPE SIZING BASED ON A 0.30" W.C. DROP AND A LONGEST RUN HAVING AN ESTIMATED EQUIVALENT LENGTH OF LESS THAN 30'-0".

LAUNDRY: 7.00"-11.00" W.C. PIPE SIZING BASED ON A 0.30" W.C. DROP AND A LONGEST RUN HAVING AN ESTIMATED EQUIVALENT LENGTH OF LESS THAN 30'-0".

NATURAL GAS REGULATOR INFORMATION:
PROVIDE SERVICE AND LINE REGULATORS. REFER TO, AND COORDINATE WITH, EQUIPMENT AND REGULATOR MANUFACTURER'S RECOMMENDATIONS AND LOCAL UTILITY SERVICE PROVIDER FOR FINAL SELECTIONS. ALL REGULATOR VENTS SHALL TERMINATE A MINIMUM OF 10' AWAY FROM ALL OUTSIDE AND FRESH AIR INTAKES.



1 NATURAL GAS RISER DIAGRAM

MOSELEY ARCHITECTS
11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC COM

NORTH CAROLINA PROFESSIONAL SEAL 033520 ENGINEER JOSEPH P CARLSON

MOSELEY ARCHITECTS P.A. NORTH CAROLINA CORPORATION C-3469 NORTH CAROLINA CHARLOTTE NC

DUPLIN COUNTY DETENTION CENTER

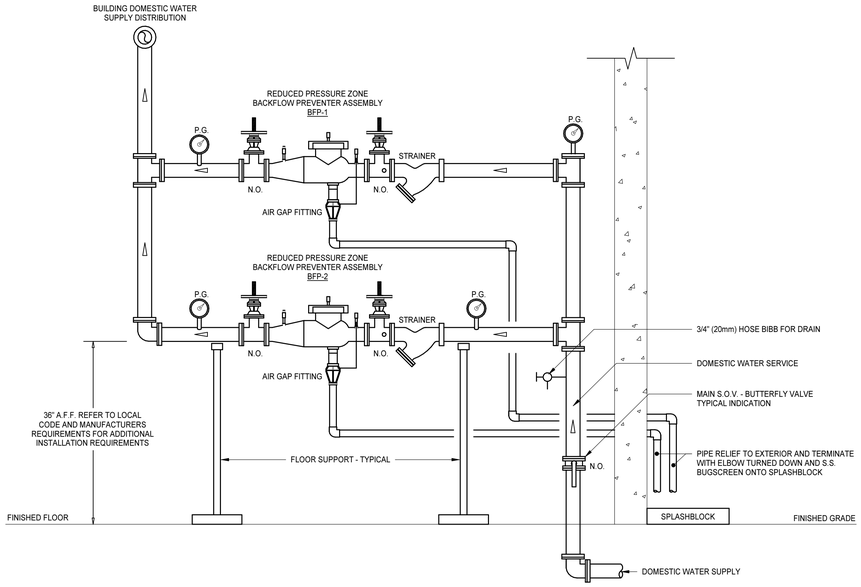
DUPLIN COUNTY, NORTH CAROLINA

NO: 821373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

NATURAL GAS RISER DIAGRAM

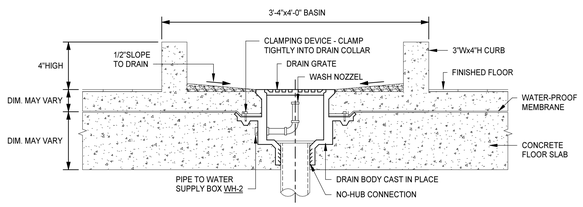
P4.7

12/11/2023 2:19:44 PM



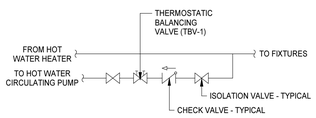
D WATER SERVICE ENTRANCE DETAIL

P5.1 12" = 1'-0"



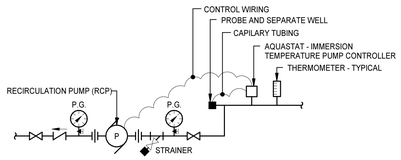
B CAN WASH DETAIL - WITH CURB

P2.1.1 P5.1 12" = 1'-0"



NOTE:
1. TBV-1 SHALL BE ACORN CONTROLS TZV-2 TEMPFLOW THERMOSTATIC ZONE VALVE OR APPROVED EQUAL.
2. TBV-1 SHALL BE SET TO A MAXIMUM RETURN TEMPERATURE OF 108°F.

HOT WATER RECIRCULATION BRANCH CONNECTION DETAIL



CIRCULATION PUMP DETAIL

NO SCALE

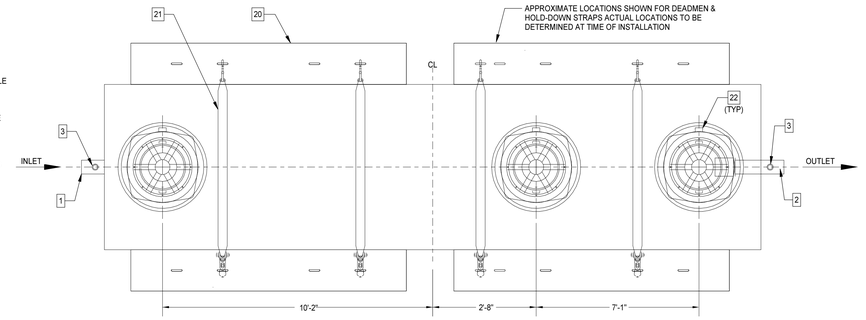
GENERAL SPECIFICATIONS

QUANTITY: ONE (1)
MODEL: PGI-5000-2
CAPACITY: 5,000 GALLONS
TYPE: SINGLE WALL, HIGHGUARD, UNDERGROUND
MATERIAL: 1/4" CARBON STEEL

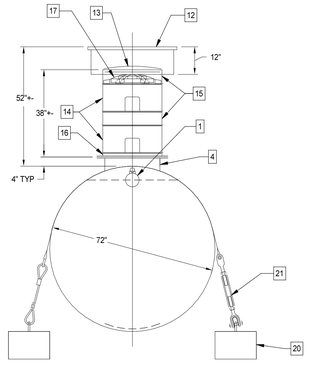
GAUGE OF MATERIAL BASED ON 60" MAX. BURIAL DEPTH
LAP FIT AND WELD INTERIOR AND EXTERIOR SEAMS
TANK TEST: 3-5 PSI AIR TEST
SURFACE PREP: SSPC-SP 10 BLAST
INTERIOR SURFACES SSPC-SP 6 BLAST
EXTERIOR SURFACES
EXT. COATING: POLYURETHANE - 75 MILS
INT. COATING: CHEMTHANE 4200PW (15 MILS DFT)
OPERATING PRESSURE: ATMOSPHERIC

PROVIDED EQUIPMENT

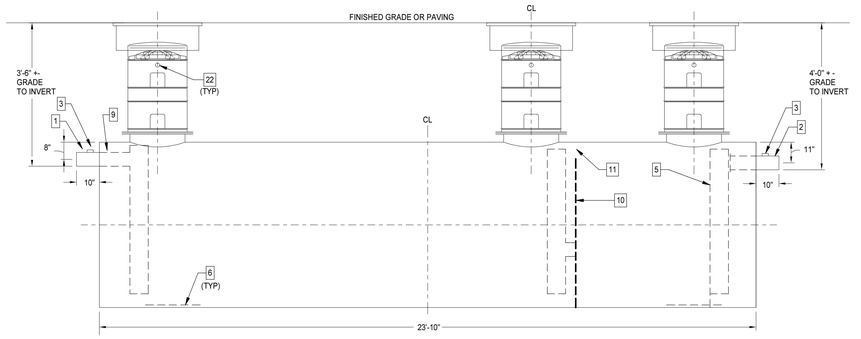
1. 6" SCH 40 PIPE STUB - INLET
2. 6" SCH 40 PIPE STUB - OUTLET
3. 2" HC - VENT
4. 24" MANWAY FOR STACKABLE RISER
5. 8" SQ. STEEL OUTLET DOWNCOMER BAFFLE WITH OPEN TOP
6. STRIKER PLATE
7. 6" SCH 40 INLET TEE & INTERIOR PIPE
8. 8" SCH 40 TRANSFER TEE & INTERIOR PIPE
9. NOT USED
10. BULKHEAD
11. 6" OPENING AT TOP OF BULKHEAD
12. 36" DIAMETER H-20 RATED MANWAY
13. 24" PVC COVER W/ 4" NPT GAUGE FITTING
14. 24" x 12" RISER
15. 24" x 6" STACKABLE RISER
16. RISER ADAPTER RING & GASKET
17. RISER SAFETY SCREEN
18. NOT USED
19. NOT USED
20. (4) CDA-15 CONCRETE DEADMAN
21. (4) POLYESTER HOLD-DOWN STRAPS
22. 2" NPT FITTING FOR VENT



PLAN VIEW



END VIEW

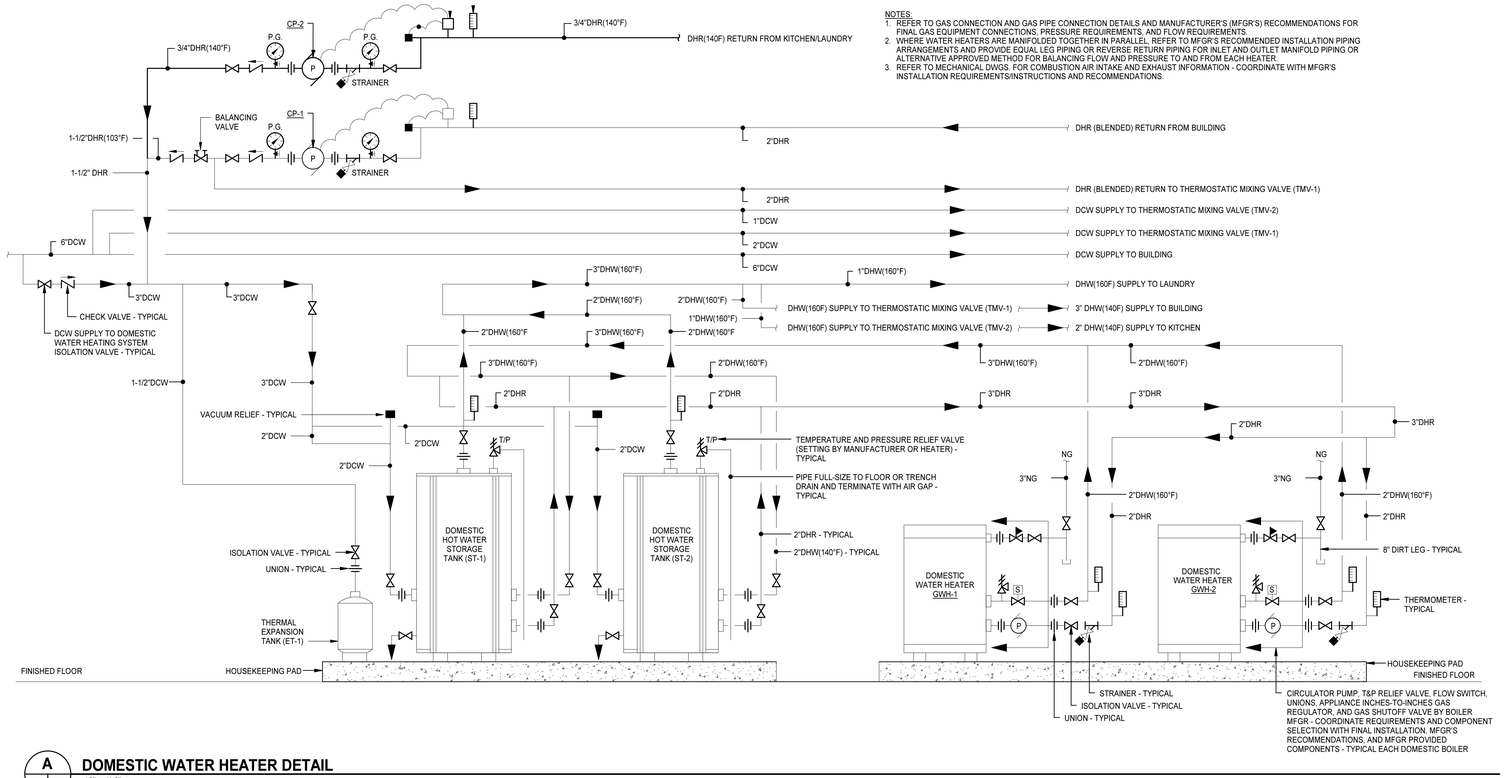


SIDE VIEW

C GREASE INTERCEPTOR DETAIL

P2.0.1 P5.1 12" = 1'-0"

NOTES:
1. REFER TO GAS CONNECTION AND GAS PIPE CONNECTION DETAILS AND MANUFACTURER'S (MFGR'S) RECOMMENDATIONS FOR FINAL GAS EQUIPMENT CONNECTIONS, PRESSURE REQUIREMENTS, AND FLOW REQUIREMENTS
2. WHERE WATER HEATERS ARE MANIFOLDED TOGETHER IN PARALLEL, REFER TO MFGR'S RECOMMENDED INSTALLATION PIPING ARRANGEMENTS AND PROVIDE EQUAL LEG PIPING OR REVERSE RETURN PIPING FOR INLET AND OUTLET MANIFOLD PIPING OR ALTERNATIVE APPROVED METHOD FOR BALANCING FLOW AND PRESSURE TO AND FROM EACH HEATER.
3. REFER TO MECHANICAL DWGS. FOR COMBUSTION AIR INTAKE AND EXHAUST INFORMATION - COORDINATE WITH MFGR'S INSTALLATION REQUIREMENTS/INSTRUCTIONS AND RECOMMENDATIONS.



A DOMESTIC WATER HEATER DETAIL

P4.1 P5.1 12" = 1'-0"

MOSELEY ARCHITECTS
11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC COM

NORTH CAROLINA REGISTERED ARCHITECT SEAL 033520 01/01/23 JENNIFER JOSEPH CARLSON

MOSELEY ARCHITECTS P.A. NORTH CAROLINA CORPORATION C-3469 NORTH CAROLINA REGISTERED CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

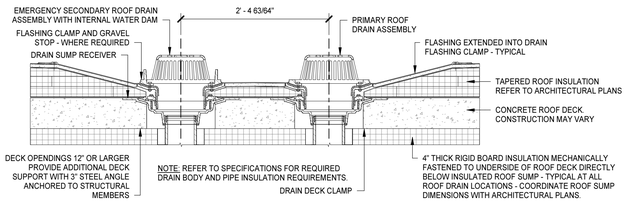
DUPLIN COUNTY, NORTH CAROLINA

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

PLUMBING DETAILS

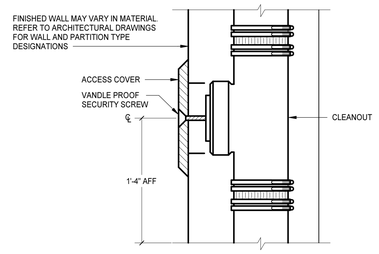
P5.1

12/11/2023 2:19:45 PM



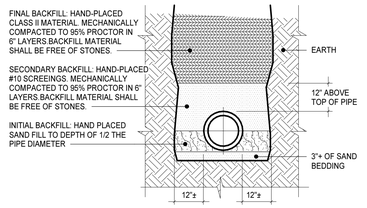
ROOF DRAIN DETAIL - PRIMARY/SECONDARY

NO SCALE



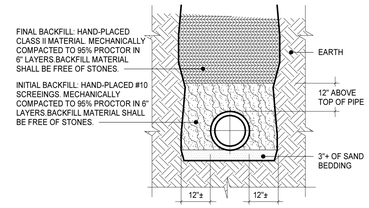
WALL CLEANOUT DETAIL

NO SCALE



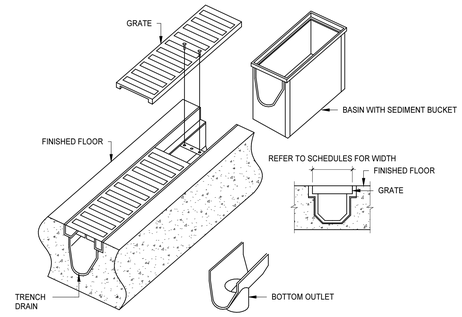
PVC PIPE BEDDING DETAIL

NO SCALE



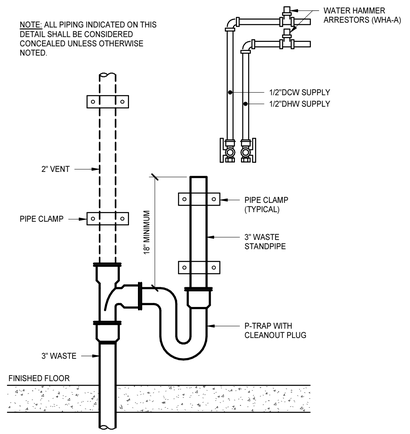
CAST IRON PIPE BEDDING DETAIL

NO SCALE



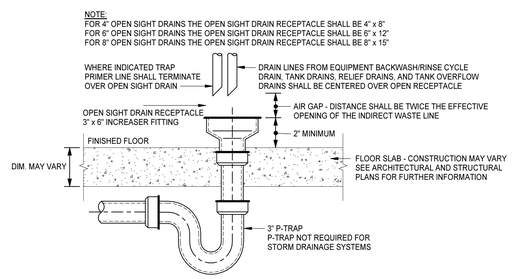
TRENCH DRAIN DETAIL

NO SCALE



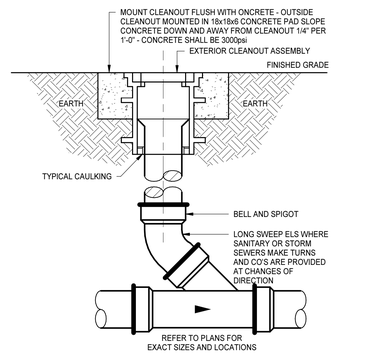
WASHING MACHINE STANDPIPE DRAIN DETAIL

NO SCALE



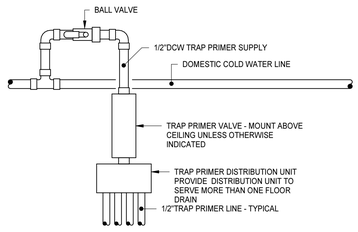
OPEN SIGHT DRAIN DETAIL

NO SCALE



EXTERIOR YARD CLEANOUT DETAIL

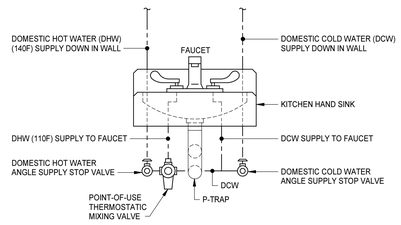
NO SCALE



NOTES:
1. PRIMERS, VALVES, AND ASSOCIATED PIPING SHALL BE INSTALLED IN ACCESSIBLE LOCATIONS.
2. PROVIDE DISTRIBUTION UNIT SIZED FOR NUMBER OF DRAINS TO BE SERVED BY EACH INDIVIDUAL PRIMER.
3. DISTRIBUTION UNIT SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.

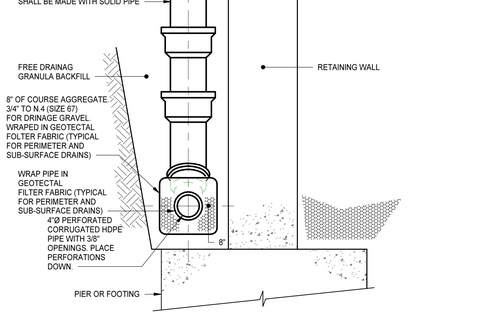
TRAP PRIMER ASSEMBLY DETAILS

NO SCALE



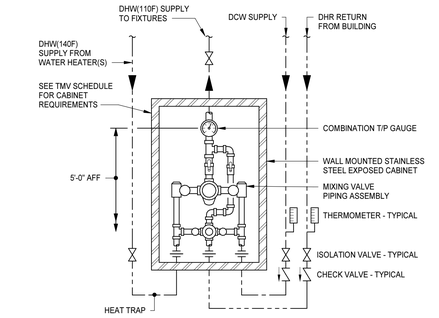
KITCHEN HAND SINK DETAIL

NO SCALE



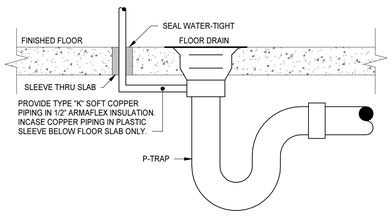
RETAINING WALL SUB-SURFACE DRAIN DETAIL

NO SCALE

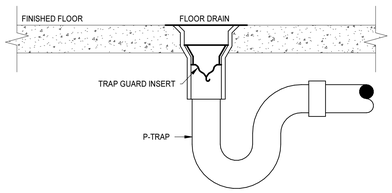


THERMOSTATIC MIXING VALVE DETAIL

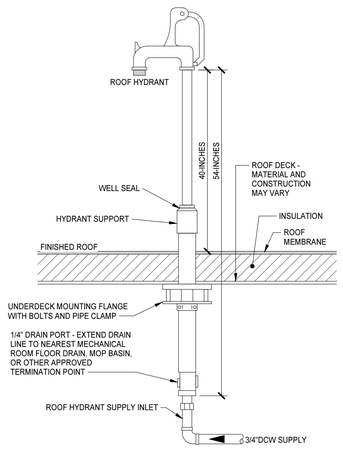
NO SCALE



MECHANICAL PRIMER DETAIL

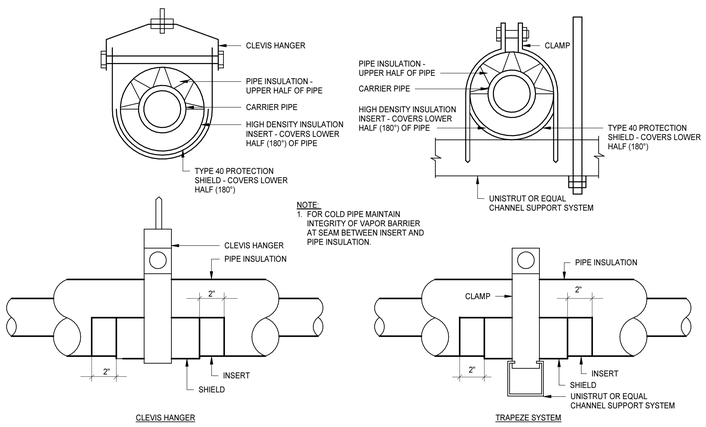


TRAP GUARD INSERT DETAIL



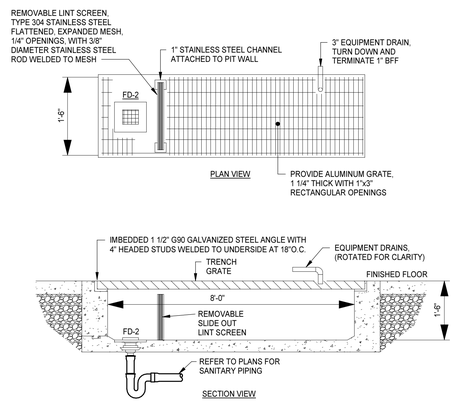
ROOF HYDRANT DETAIL

NO SCALE



PIPE SUPPORT AND THERMAL SHIELD DETAILS

NO SCALE



C P2.1.1 P5.2 — 12" = 1'-0"

LAUNDRY EXTRACTOR TRENCH DRAIN DETAIL

MOSELEY ARCHITECTS
11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC COM

NORTH CAROLINA SEAL 033520 01/01/25 JOHN ENGINEER CARLSON

MOSELEY ARCHITECTS P.A. 2021 CORPORATE NUMBER C-3469 NORTH CAROLINA REGISTERED CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

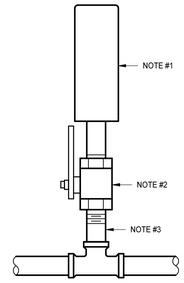
DUPLIN COUNTY, NORTH CAROLINA

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

PLUMBING DETAILS

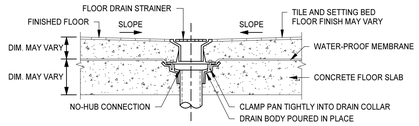
P5.2

12/11/2023 2:19:46 PM

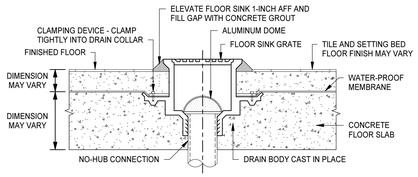


NOTES:
1. WATER HAMMER ARRESTOR.
2. BALL VALVE. VALVE SIZE SHALL BE EQUAL TO NOMINAL SIZE OF ARRESTOR OUTLET (MINIMUM 1/2").
3. BRANCH PIPE EQUAL TO NOMINAL SIZE OF ARRESTOR OUTLET (MINIMUM 1/2").

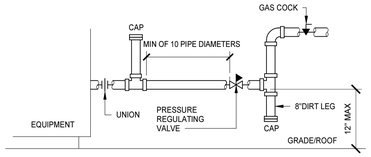
WATER HAMMER ARRESTOR DETAIL



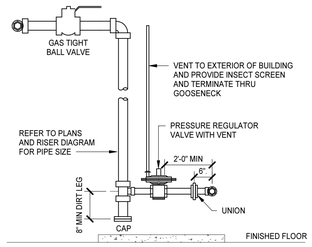
FLOOR DRAIN IN OPEN AREA DETAIL



FLOOR SINK DETAIL - RAISED

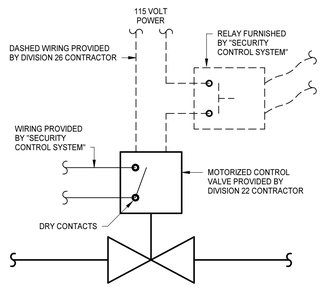


EXTERIOR GAS CONNECTION DETAIL

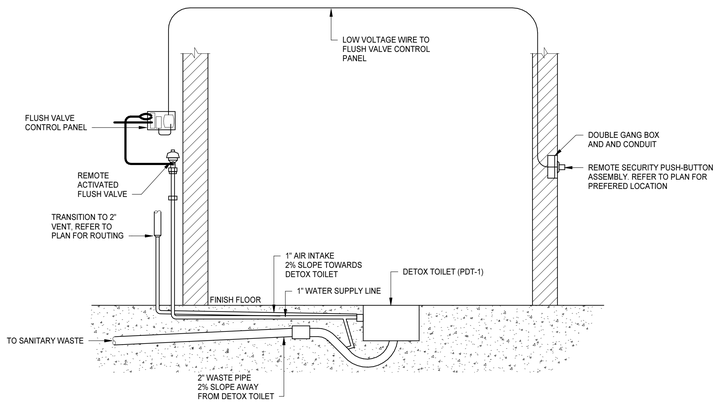


NOTES:
1. REGULATOR AND GAS PIPING FROM DIRT LEG TO EQUIPMENT SHALL BE SIZED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
2. REGULATOR SHALL MEET EQUIPMENT MANUFACTURER PRESSURE AND FLOW REQUIREMENTS.
3. ALL REGULATOR VENTS SHALL TERMINATE A MINIMUM OF 10'-0" AWAY FROM ALL OUTSIDE AND FRESH AIR INTAKES AND OPERABLE DOORS AND WINDOWS.

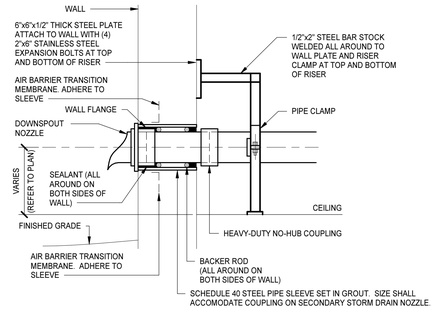
INTERIOR GAS CONNECTION DETAIL



SECURITY CONTROLLED MOTORIZED ISOLATION VALVE DETAIL

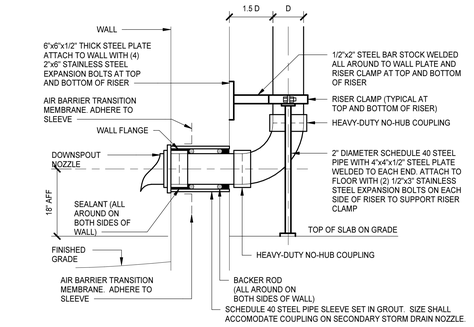


A / P5.3 — **DETOX TOILET CONNECTION DETAIL**
12" = 1'-0"



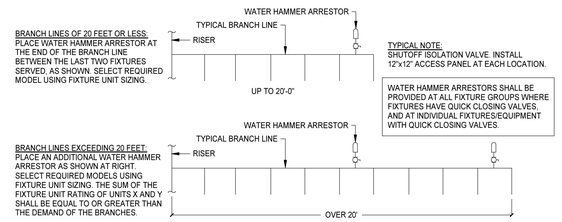
SECONDARY STORM DRAIN DISCHARGE NOZZLE DETAIL ABOVE CEILING

NO SCALE



SECONDARY STORM DRAIN DISCHARGE NOZZLE DETAIL

NO SCALE



BRANCH LINES OF 20 FEET OR LESS:
PLACE WATER HAMMER ARRESTOR AT THE END OF THE BRANCH LINE BETWEEN THE LAST TWO FIXTURES SERVED, AS SHOWN. SELECT REQUIRED MODEL USING FIXTURE UNIT SIZING.

TYPICAL NOTE:
SHUTOFF ISOLATION VALVE. INSTALL 12"x12" ACCESS PANEL AT EACH LOCATION.

WATER HAMMER ARRESTORS SHALL BE PROVIDED AT ALL FIXTURE GROUPS WHERE FIXTURES HAVE QUICK CLOSING VALVES, AND AT INDIVIDUAL FIXTURES/EQUIPMENT WITH QUICK CLOSING VALVES.

BRANCH LINES EXCEEDING 20 FEET:
PLACE AN ADDITIONAL WATER HAMMER ARRESTOR AS SHOWN AT RIGHT. SELECT REQUIRED MODELS USING FIXTURE UNIT SIZING. THE SUM OF THE FIXTURE UNIT RATING OF UNITS X AND Y SHALL BE EQUAL TO OR GREATER THAN THE DEMAND OF THE BRANCHES.

P.D.I. WATER HAMMER ARRESTORS						
LENGTH OF PIPE	NOMINAL PIPE DIAMETERS					
	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
25'	A	A	B	C	D	E
50'	A	B	C	D	E	F
75'	B	C	D	AE	F	EF
100'	C	D	E	F	CF	FF
125'	C	D	F	AF	EF	EFF
150'	D	E	F	DF	FF	FFF

WHEN LONG RUNS OF PIPING ARE EMPLOYED TO SERVE REMOTE EQUIPMENT, WATER HAMMER ARRESTOR SHOULD BE LOCATED AS CLOSE AS POSSIBLE TO THE POINT OF QUICK CLOSURE OR HAMMER SOURCE.

THE SIZE AND QUANTITY OF WATER HAMMER ARRESTORS TO BE INSTALLED IN BRANCH LINES IS SHOWN IN TABLE. WHEN FLOW PRESSURE OF 65 PSIG TO 85 PSIG ARE USED, THE NEXT LARGER SIZE SHOULD BE SELECTED.



WATER HAMMER ARRESTOR CAPACITIES			
CONN. SIZE	PDI SIZE	FIXTURE UNIT CAPACITY	CUBIC INCH VOLUME
1/2"	A	1 TO 11	5
3/4"	B	12 TO 32	7
1"	C	33 TO 60	11
1"	D	61 TO 113	20
1"	E	114 TO 154	29
1"	F	155 TO 330	34

NOTE: MATCH TOTAL FIXTURE UNITS OF BRANCH LINE TO CORRECT SIZE OF WATER HAMMER ARRESTOR.

SHOCK ABSORBER SELECTION		
CODE	PDI SIZE	FIXTURE UNITS
SA-1	A	1-11
SA-2	B	12-32
SA-3	C	33-60
SA-4	D	61-113
SA-5	E	114-154
SA-6	F	155-330

SHOCK ABSORBER SELECTION TABLE

WATER HAMMER ARRESTOR INSTALLATION & SIZING DETAIL

NO SCALE

MOSELEY ARCHITECTS
11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC . COM

NORTH CAROLINA REGISTERED ARCHITECT SEAL 033520 01/01/25 JOHN V.P. CARLSON

MOSELEY ARCHITECTS, P.A. NORTH CAROLINA CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DUPLIN COUNTY, NORTH CAROLINA

NO: 821373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

PLUMBING DETAILS

P5.3

12/11/2023 2:19:46 PM

GAS WATER HEATER SCHEDULE

TAG	BASIS OF DESIGN		LOCATION	RECOVERY RATE (GPM)	TEMPERATURE RISE (°F)	THERMAL EFFICIENCY	FUEL DATA			ELECTRICAL DATA			TEMPERATURE SETTING (°F)	NOTES
	MANUFACTURER	MODEL					INPUT RATE	TYPE	MAX INLET PRESSURE (INCHES W.C.)	VOLTS	PHASE	HERTZ		
GWH-1	LOCHINVAR	AWH1250NPM	MECHANICAL S103	1375	110	98%	1,250,000 BTUH	NATURAL GAS	10.5"	120	1	60	160	1
GWH-2	LOCHINVAR	AWH1250NPM	MECHANICAL S103	1375	110	98%	1,250,000 BTUH	NATURAL GAS	10.5"	120	1	60	160	1

1. PROVIDE CONDENSING GAS-FIRED WATER HEATER UNITS INSTALLED PER MANUFACTURER'S RECOMMENDATIONS UTILIZING EQUAL LEG PIPING OR REVERSE RETURN MANIFOLDS TO EQUALIZE LOAD DISTRIBUTION AND DRAWOFF.

PUMP SCHEDULE

TAG	BASIS OF DESIGN		LOCATION	SYSTEM TYPE	AREA SERVED	PUMP TYPE	OPERATING DATA					ELECTRICAL DATA			CONNECTION SIZE		NOTES
	MANUFACTURER	MODEL					FLOW (GPM)	PRESSURE (FEET OF HEAD)	EFFICIENCY	POWER (HP)	SPEED (RPM)	VOLTS	PHASE	HERTZ	INLET (IN)	OUTLET (IN)	
RCP-1	GRUNDFOS	MAGNA3 40-80 F N	MECHANICAL S103	HOT WATER (109F) RECIRCULATION	MAIN BUILDING	CIRCULATION	25.00	20.00	16%	0.389	VARI	120	1	60	1.25	1.25	
RCP-2	GRUNDFOS	MAGNA3 40-80 F N	MECHANICAL S103	HOT WATER (140F) RECIRCULATION	KITCHEN / LAUNDRY	CIRCULATION	5.00	6.11	16%	0.389	VARI	120	1	60	0.75	0.75	

1. PROVIDE PACKAGED DUPLEX VARIABLE SPEED DOMESTIC WATER BOOSTER PUMP ASSEMBLY WITH EACH PUMP SIZED FOR 100% OF THE INDICATED OPERATING FLOW WITH VFD CONTROL. EACH PUMP SIZED FOR 262 GPM AT 78' TDH 20PSI BOOST WITH AN OUTLET PRESSURE SETTING OF 80PSI MAXIMUM TO THE BUILDING DOMESTIC WATER SYSTEM.

TANK SCHEDULE

TAG	BASIS OF DESIGN		LOCATION	SYSTEM TYPE	TANK TYPE	OPERATING DATA			ASME CODE CONSTRUCTION (YES/NO)	CONNECTION SIZE		NOTES
	MANUFACTURER	MODEL				VOLUME (GAL)	ACCEPTANCE VOLUME (GAL)	AIR PRE-CHARGE PRESSURE (PSIG)		INLET (IN)	OUTLET (IN)	
ST-1	LOCHINVAR	RVA0504	MECHANICAL S103	DHW	STORAGE	500.00	-	-	NO	1.50	1.50	1
ST-1	LOCHINVAR	RVA0504	MECHANICAL S103	DHW	STORAGE	500.00	-	-	NO	1.25	1.25	1
ET-1	AMTROL	THERM-X-TROL ST-60VC	MECHANICAL S103	DHW	EXPANSION	25.00	11.00	75.00	YES	1.00	1.00	1

1. REFER TO MANUFACTURERS RECOMMENDATIONS FOR FINAL PIPING ARRANGEMENT. PROVIDE CHARGED TANKS WITH PRESSURE GAUGE ON AIR-SIDE FOR MONITORING AIR CHARGE.

THERMOSTATIC MIXING VALVE SCHEDULE

TAG	BASIS OF DESIGN		DESIGN FLOW (GPM)	FLOW RANGE (GPM)	MAX. P.D. AT DESIGN FLOW	HW SYSTEM TEMPERATURES		CONNECTION SIZES		NOTES
	MANUFACTURER	MODEL				INLET	OUTLET	INLET	OUTLET	
TMV-1	ARMSTRONG	DMC 80-80 BS	125	0.5 - 240	10 PSI	160°F	120°F	2	3	2
TMV-2	ACORN CONTROLS	MV17-4	50	0.5 - 150	10 PSI	160°F	140°F	1.25	1.5	2
TMV-3	ACORN CONTROLS	MV17-2	20	0.5 - 45	10 PSI	120°F	105°F	0.75	1	2
TMV-4	ACORN CONTROLS	ET71-1	0.5 - 5.66	3.0 - 5.0	10 PSI	110°F	85°F	0.5	0.5	1
TMV-5	ACORN CONTROLS	ST70-12	0.5 - 4.5	0.5 - 4.5	10 PSI	120°F	105°F	0.5	0.5	3
TMV-6	ACORN CONTROLS	ST7069	8	0.5 - 12.5	10 PSI	120°F	108°F	0.5	0.5	2
TBV-1	ACORN CONTROLS	TZV-2	VARIES	0.5 - 5.0	10 PSI	108°F	105°F	VARIES	VARIES	-

1. PROVIDE THERMOSTATIC MIXING VALVE ASSEMBLY WITH LOCKABLE. STAINLESS STEEL. WALL MOUNTED CABINET AND T/P GAUGES ON INLETS AND OUTLET.
2. PROVIDE THERMOSTATIC MIXING VALVE ASSEMBLY ON WALL MOUNTED STEEL SUPPORT RACK.
3. PROVIDE THERMOSTATIC TEMPERING VALVE BELOW DECK OF KITCHEN HAND SINK ITEM 07.

INTERCEPTOR AND SEPARATOR SCHEDULE

TAG	BASIS OF DESIGN		LOCATION	OPERATING DATA			CONNECTION SIZE		NOTES
	MANUFACTURER	MODEL		FLOW (GPM)	TOTAL STORAGE VOLUME (GAL)	CONTAMINATE RETENTION VOLUME (GAL)	INLET (IN)	OUTLET (IN)	
GS-1	CONTAINMENT SOLUTIONS	SWT-D6	OUTSIDE OF KITCHEN BELOW GRADE	129 GPM	5225.00	2825.00	6.00	6.00	1, 2, 3, 4

1. PROVIDE ADJUSTABLE RISERS EXTENDING COVERS TO GRADE WITH TRAFFIC RATED AND/OR SECURITY VANDAL-RESISTANT LOCKING COVERS WHERE APPLICABLE.
2. PROVIDE HIGH WATER ANCHORING KITS FOR ALL INTERCEPTORS AND SEPARATORS INSTALLED BELOW GRADE AND PROVIDE ANCHORING SLAB AND RELIEVING SLAB.
3. PROVIDE WRITTEN MANUFACTURER'S EXTENDED 30 YEAR PARTS AND LABOR WARRANTY ON TANK AND TURN OVER TO OWNER.
4. PROVIDE LOCAL FOG MONITORING ALARM PACKAGE. MOUNT ALARM PANEL ON ADJACENT WALL.

PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE	HEIGHT A.F.F.	PIPE SIZE					NOTES
			COLD WATER	TEPID WATER	HOT WATER	VENT	SOIL WASTE	
CW-1	WALL HYDRANT (TRI-TEMP)	BOTTOM AT 32"	1/2"		1/2"			
EEWS-1	EYE/FACE WASH, WALL MOUNTED	SPRAYHEADS AT 36"		1/2"		1 1/2"	1 1/2"	
EWC-1	BI-LEVEL WATER COOLER (ACCESSIBLE)	TOP OF BUBBLER AT 39", LOWER AT 34"	1/2"			1 1/2"	1 1/2"	1
HB-1	HOSE BIBB	CENTERLINE OF OUTLET AT 18"	3/4"					
LA-1	WALL-HUNG LAVATORY (ACCESSIBLE) MANUAL	RIM AT 34" ABOVE FINISHED FLOOR	1/2"		1/2"	1 1/2"	2"	1
LA-2	WALL-HUNG LAVATORY MANUAL	RIM AT 34"	1/2"		1/2"	1 1/2"	1 1/2"	
LA-3	COUNTER INTEGRAL LAVATORY (ACCESSIBLE)	COUNTER MOUNTED REFER TO ARCH DRAWINGS	1/2"		1/2"	1 1/2"	1 1/2"	1
MB-1	MOP SINK (32X32)	RIM AT 12"	3/4"		3/4"	2"	3"	
RH-1	ROOF HYDRANT		3/4"					
SH-1	INDIVIDUAL ROLL-IN SHOWER (ACCESSIBLE)	CONTROLS AT 42", SHOWERHEAD AT 72"	1/2"		1/2"	2"	2"	1, 2
SK-1	SINK - SINGLE BASIN (ACCESSIBLE)	COUNTER MOUNTED REFER TO ARCH DWGS	1/2"		1/2"	1 1/2"	1 1/2"	1
UR-1	URINAL (ACCESSIBLE)	RIM AT 17"	3/4"			2"	2"	1, 2
WC-1	FLOOR MOUNTED WATER CLOSET (ACCESSIBLE)	TOP OF SEAT 17"	1"			2"	4"	<varies>
WC-2	FLOOR MOUNTED WATER CLOSET	TOP OF SEAT 15"	1"			2"	4"	2
WH-1	WALL HYDRANT	CENTER AT 18" AFF	3/4"					
WH-2	WALL HYDRANT (TRI-TEMP)	BOTTOM AT 32"	1/2"		1/2"			
WSB-1	ICE MAKER OUTLET BOX	BOTTOM AT 42"	1/2"					

NOTES:

1. THIS ACCESSIBLE FIXTURE. ACCESSORIES, AND INSTALLATION SHALL CONFORM TO THE USBC AND ASAD ADA STANDARDS FOR ACCESSIBLE DESIGN.
2. LOCATE FLUSH ACTUATORS ON WIDE SIDE OF STALLS OR APPROACH AREAS.
3. PROVIDE ASSE-1070 CERTIFIED MIXING VALVE IN STAINLESS STEEL WALL CABINET, ABOVE CEILING, OR BELOW FIXTURE ACCESSIBLE BUT CONCEALED FROM VIEW.
4. PROVIDE ASSE-1016 CERTIFIED MIXING VALVE.
5. PROVIDE ASSE-1071 CERTIFIED EMERGENCY MIXING VALVE IN STAINLESS STEEL WALL CABINET.
6. PROVIDE DISHWASHER HOOK-UP WHERE DISHWASHER IS PRESENT, CONNECT HW IN SINK BASE AND CONNECT SANITARY THRU AIR GAP FITTING OR HIGH LOOP HOSE DRAIN INTO DISHWASHER TAIL PIECE SINK DRAIN.

SECURITY PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE	HEIGHT A.F.F.	PIPE SIZE					NOTES
			COLD WATER	TEPID WATER	HOT WATER	VENT	SOIL WASTE	
PDT-1	IN FLOOR REMOTE FLUSH DETOX TOILET	IN FLOOR	1"			2 3/8"	2 3/8"	
PLA-1	WALL-HUNG SECURITY LAVATORY (ACCESSIBLE)	RIM AT 34"	1/2"		1/2"	1 1/2"	1 1/2"	
PSH-1	INDIVIDUAL SECURITY WALL PACK SHOWER (ACCESSIBLE)	DUAL SHOWERHEAD AT 48" & 72"	1/2"		1/2"			
PSH-2	INDIVIDUAL SECURITY WALL PACK SHOWER	CONTROLS AT 60 1/4", SHOWERHEAD AT 72"	1/2"		1/2"			
PSH-3	INDIVIDUAL SECURITY CABINET SHOWER (ACCESSIBLE)	DUAL SHOWERHEAD AT 48" & 72"	1/2"		1/2"	2"	2"	
PWA-1	WALL MOUNTED STRAIGHT SECURITY COMBI-UNIT FIXTURE (ACCESSIBLE)	TOP OF SEAT 15"	1"		1/2"	1 1/2"	3"	
PWA-2	WALL MOUNTED STRAIGHT SECURITY COMBI-UNIT FIXTURE	TOP OF SEAT 15"	1/2"		1/2"	1 1/2"	3"	
PWA-3	WALL MOUNTED ANGLED SECURITY COMBI-UNIT FIXTURE (ACCESSIBLE)	TOP OF SEAT 15"	1/2"		1/2"	1 1/2"	3"	
PWA-4	WALL MOUNTED ANGLED SECURITY COMBI-UNIT FIXTURE	TOP OF SEAT 15"	1/2"		1/2"	1 1/2"	3"	
PWC-1	FLOOR MOUNTED SECURITY WATER CLOSET (ACCESSIBLE)	TOP OF SEAT 17"	1 1/2"			1 1/2"	3"	

BACKFLOW PREVENTER SCHEDULE

TAG	BASIS OF DESIGN		LOCATION	SYSTEM	SIZE	DESIGN FLOW RATE (GPM)	PRESSURE DROP (PSI)	NOTES
	MANUFACTURER	MODEL						
BFP-1	WATTS	LF909-NRS-S-FDA	MECHANICAL S103	DCW	3.00	150.00	13.00	1
BFP-2	WATTS	LF909-NRS-S-FDA	MECHANICAL S103	DCW	3.00	150.00	13.00	1

1. PROVIDE WITH WATTS MODEL 909 AG SERIES AIR GAP FITTINGS

DRAIN AND CLEANOUT SCHEDULE

TAG	BASIS OF DESIGN		STRAINER/GRATE	NOTES
	MANUFACTURER	MODEL		
DRAINS				
AD-1	JOSAM	23506-2-VP-X	14" x 14"	2, 4
FD-1	JOSAM	30000-6S-2-PD-VP-X	6" x 6"	2, 4
FD-2	JOSAM	30000-6S-SS-2-X	8" x 8"	2, 4
FD-3	JOSAM	60817	12-1/2" x 24-1/2"	OIL & SEDIMENT SEPARATOR DRAIN
RD-1	JOSAM	21500-VP-AE-X	13 1/4"	4
SRD-1	JOSAM	21500-VP-AE-X-16	13 1/4"	1, 4
RDN-1	JOSAM	25020-Z-VP	VARIES	
FCO	JOSAM	55000-SS-SD-41-VP-Z	N/A	4
GCO	JOSAM	5500--1-SD-41-VP-Z	N/A	4
CWFD-1	JAY R SMITH	3371Y	14"x14"	3, 5
FS-1	JOSAM	49344A-3-33-35-X	10" x 10"	HALF GRATE
FS-2	JOSAM	49344A-3-33-35-X	10" x 10"	NO GRATE

1. PROVIDE EMERGENCY SECONDARY DRAIN WITH 2" INTEGRAL WATER DAM.
2. PROVIDE ALL FLOOR DRAINS CONNECTED TO THE SANITARY SEWER SYSTEM WITH TRAP GUARD INSERTS UNLESS OTHERWISE NOTED.
3. PROVIDE WATER SUPPLY CONTROL BOX ON ADJACENT WALL.SEE CW-1 IN FIXTURE SCHEDULE FOR WATER SUPPLY BOX.
4. ALL ROOF DRAINS, SANITARY DRAINS AND CLEANOUTS TO HAVE ADJUSTABLE HEIGHT TOP.
5. CAN WASH FLOOR DRAIN - PROVIDE WITH BRONZE ADJUSTABLE SPRAY NOZZLE, STAINLESS STEEL BODY AND GRATE, NO HUB OUTLET. PROVIDE MODEL 3385 WATER SUPPLY BOX (CW-1) FOR MASONRY WALL INSTALLATION. SEE CW-1 IN FIXTURE SCHEDULE FOR WATER SUPPLY BOX CONNECTIONS.

MOSELEY ARCHITECTS
11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC COM

NORTH CAROLINA PROFESSIONAL SEAL 033520 ENGINEER JOHN P CARLSON

MOSELEY ARCHITECTS PROFESSIONAL CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DUPLIN COUNTY, NORTH CAROLINA

NO: 621373

DATE: DECEMBER 12, 2023

REVISIONS

DATE	DESCRIPTION

SCHEDULES

P6.1

12/11/2023 2:19:47 PM

ABBREVIATIONS

@	AT
ABV	ABOVE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
BLDG	BUILDING
CL	CENTERLINE
CLG	CEILING
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUATION
CORR	CORRIDOR
CR	CLASSROOM
CU	CUBIC
CU FT	CUBIC FEET
DCW	DOMESTIC COLD WATER
DEG	DEGREE(S)
DEMO	DEMOLISH OR DEMOLITION
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DN	DOWN
DP	DRY PIPE
DS	DOWNSPOUT
DTL	DETAIL
DWG	DRAWING
E	EAST
ECGH	ELECTRIC CEILING HEATER
EF	EXHAUST FAN
EH-1	EXTRA HAZARD GROUP 1
EH-2	EXTRA HAZARD GROUP 2
ELEC	ELECTRICAL
EQ	EQUAL
EQUIP	EQUIPMENT
ET	EXPANSION TANK
ETR	EXISTING TO REMAIN
EWH	ELECTRIC WATER HEATER
EX	EXISTING
EXP	EXPANSION
F	FARENHEIT
FD	FIRE DAMPER
FDC	FIRE DEPARTMENT CONNECTION
FG	FINISHED GRADE
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FHS	FIRE HOSE STATION
FHVC	FIRE HOSE VALVE CABINET
FLR	FLOOR
FP	FIRE PROTECTION
FT	FOOT OR FEET
FVC	FIRE VALVE CABINET
GAL	GALLON(S)
GPM	GALLONS PER MINUTE
GUH	GAS-FIRED UNIT HEATER
HB	HOSE BIB
HD	HEAD
HORIZ	HORIZONTAL
HP	HORSEPOWER
HW	HOT WATER
ID	INSIDE DIAMETER
IN	INCH
INSUL	INSULATE OR INSULATION
JAN	JANITOR
KIT	KITCHEN
KW	KILOWATT(S)
LAB	LABORATORY
LAV	LAVATORY
LBS	POUNDS
LF	LINEAR FOOT (FEET)
LH	LIGHT HAZARD
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MTD	MOUNTED
N	NORTH
NA	NOT APPLICABLE/AVAILABLE
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NO. OR #	NUMBER
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFF	OFFICE
OH-1	ORDINARY HAZARD GROUP 1
OH-2	ORDINARY HAZARD GROUP 2
P	PUMP
PC	PRECAST
PIV	POST INDICATOR VALVE
POLY	POLYETHYLENE
PREFAB	PREFABRICATE(D)
PROJ	PROJECT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PVC	POLYVINYL CHLORIDE
R	RISER
REF	REFERENCE
REQ	REQUIRED
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
RTU	ROOF TOP UNIT
S	SOUTH
SAN	SANITARY
SCH	SCHEDULE
SD	SMOKE DAMPER
SHT	SHEET
SIM	SIMILAR
SP	STATIC PRESSURE
SPEC	SPECIFICATION
SPR	SPRINKLER
SQ	SQUARE
STD	STANDARD
STL	STEEL
STOR	STORAGE
SW	SWITCH
T	TEMPERATURE
THK	THICK(NESS)
TLT	TOILET
TOSL	TOP OF SLAB
TYP	TYPICAL
UG	UNDERGROUND
UH	UNIT HEATER
UI	UNLESS UNDICATED
UNO	UNLESS NOTED (INDICATED) OTHERWISE
V	VOLTS
VERT	VERTICAL
W	WEST
W/	WITH
W/O	WITHOUT
WH	WATER HEATER

GRAPHICS SYMBOLS LEGEND

- VALVE
- GATE VALVE
- VALVE IN RISER
- CHECK VALVE
- SOLENOID VALVE
- FLOW SWITCH
- PRESSURE REDUCING VALVE
- DOUBLE CHECK BACKFLOW PREVENTER
- F — FIRE PROTECTION WET SPRINKLER PIPING
- DP — FIRE PROTECTION DRY SPRINKLER PIPING
- FG — FIRE EXTINGUISHING GAS PIPING
- FIRE PROTECTION DRY SPRINKLER PIPING
- UNION
- PRESSURE GAUGE WITH GAUGE COCK
- PIPE TURNED DOWN
- PIPE TURNED UP
- PIPE TEE UP
- PIPE TEE DOWN
- PIPE CAP
- 1/8"/FT — PITCH PIPE DOWN IN DIRECTION OF ARROW AT INDICATED SLOPE
- FLOW IN DIRECTION OF ARROW
- CONCENTRIC PIPE REDUCTION
- ECCENTRIC PIPE REDUCTION
- PUMP
- FIRE DEPARTMENT CONNECTION
- PENDANT SPRINKLER HEAD
- C — CONCEALED PENDANT SPRINKLER HEAD
- E — EXTENDED COVERAGE PENDANT SPRINKLER HEAD
- CE — CONCEALED EXTENDED COVERAGE PENDANT SPRINKLER HEAD
- PENDANT SPRINKLER HEAD WITH GUARD
- UPRIGHT SPRINKLER HEAD
- E — EXTENDED COVERAGE UPRIGHT SPRINKLER HEAD
- UPRIGHT SPRINKLER HEAD WITH GUARD
- SIDEWALL SPRINKLER HEAD
- E — EXTENDED COVERAGE SPRINKLER HEAD
- CE — CONCDEALED EXTENDED COVERAGE SIDEWALL SPRINKLER HEAD
- EXTINGUISHING AGENT DISCHARGE NOZZLE
- COMBINATION AUDIBLE AND STROBE ALARM
- F — MANUAL PULL STATION
- A — ABORT SWITCH
- I — IONIZATION SMOKE DETECTOR
- P — PHOTOELECTRIC SMOKE DETECTOR

- INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON LIGHT HAZARD CLASSIFICATION PROVIDING A DENSITY OF 0.10 GPM PER SQUARE FOOT OVER 1500 SQUARE FEET.
- INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON ORDINARY HAZARD GROUP 1 CLASSIFICATION PROVIDING A DENSITY OF 0.15 GPM PER SQUARE FOOT OVER 1500 SQUARE FEET.
- INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON ORDINARY HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.20 GPM PER SQUARE FOOT OVER 1500 SQUARE FEET.
- INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF DRY SPRINKLER HEADS IS BASED ON ORDINARY HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.20GPM PER SQUARE FOOT OVER 1500 SQUARE FEET.
- INDICATES AREAS OF THE BUILDING THAT WILL REQUIRE ORDINARY HAZARD GROUP 1 PRE-ACTION SYSTEM PROTECTION, BRANCHING FROM THE LINE THAT SERVES THE AREA.
- INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 1 CLASSIFICATION PROVIDING A DENSITY OF 0.30 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
- INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.

- POINT OF CONNECTION TO EXISTING
- LIMIT OF DEMOLITION
- 30 — KEYNOTE
- A123 — **SPACE IDENTIFICATION TAG**: SPACE NUMBER; BUILDING AREA (WHEN USED)
- AHU-02 — **EQUIPMENT IDENTIFICATION TAG**: EQUIPMENT NUMBER; UNIT DESIGNATION
- 8 — STRUCTURAL GRID LINE WITH DESIGNATION
- **SECTION WHERE CUT**: A / M6.1 — SECTION LETTER; DRAWING WHERE SECTION IS INDICATED
- **ENLARGED PLAN WHERE CUT**: 1 / M2.5 — ENLARGED PLAN NUMBER; DRAWING WHERE ENALRGED PLAN IS INDICATED
- **DETAIL TAG**: 1 / M4.1 — DETAIL NUMBER; DRAWING WHERE DETAIL IS INDICATED
- 1 / M2.2 / M4.1 / M2.3 / M2.4 — **DETAIL TITLE** 1/4"=1'-0" — DETAIL NUMBER; DRAWING WHERE DETAIL IS INDICATED; DRAWING WHERE DETAIL IS CUT; ADDITIONAL DRAWING REFERENCES
- A / M2.2 / M3.1 / M2.3 / M2.4 — **SECTION TITLE** 1/4"=1'-0" — SECTION LETTER; DRAWING WHERE SECTION IS INDICATED; DRAWING WHERE SECTION IS CUT; ADDITIONAL DRAWING REFERENCES

GENERAL NOTES

THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.

COORDINATE THE LOCATION OF ALL SPRINKLER PIPING WITH THE WORK OF OTHER TRADES. SPRINKLER PIPING SHALL NOT BE INSTALLED WHERE ITS LOCATION INHIBITS ACCESS TO EQUIPMENT ABOVE THE CEILING, FILTER ACCESS OR INFRINGES UPON CLEARANCES DICTATED BY THE NATIONAL ELECTRIC CODE.

VERIFY DIMENSIONS AND ROUTING IN FIELD BEFORE FABRICATION OF PIPING AND FIXTURES.

THE FIRE SPRINKLER SYSTEM ACTIVATES THE SMOKE CONTROL SYSTEM. EACH SMOKE COMPARTMENT MUST BE A SEPERATE ZONE. REFER TO LIFE SAFETY DRAWINGS FOR LOCATIONS AND SMOKE SEPERATION ASSEMBLIES.

THE ENTIRE BUILDING SHALL BE FULLY SPRINKLERED WITH A HYDRAULICALLY DESIGNED SPRINKLER SYSTEM IN ACCORDANCE WITH NCBC 2018, NFPA 13 2013 EDITION, AND THE LOCAL AUTHORITY HAVING JURISDICTION. CALCULATIONS SHALL BE BASED OFF OF A CURRENT WATER FLOW TEST PERFORMED WITHIN 1 YEAR OF THE SUBMISSION OF THE FIRE SPRINKLER SHOP DRAWINGS. PROVIDE COMPLETE FIRE SPRINKLER SYSTEM INSTALLATION DRAWINGS PREPARED BY A PROFESSIONAL FIRE PROTECTION ENGINEER LICENSED IN THE STATE OF NORTH CAROLINA OR A NICET LEVEL III OR IV CERTIFIED TECHNICIAN IN WATER BASED SYSTEMS LAYOUT. PLANS AND COVER SHEETS OF HYDRAULIC CALCULATIONS SHALL BE LEGIBLY SIGNED, CERTIFIED AND DATED BY THE PREPARER.

REFER TO THE LIFE SAFETY PLAN FOR LOCATIONS OF FIRE AND SMOKE SEPARATION ASSEMBLIES.

REFER TO STRUCTURAL DRAWINGS FOR DETAILS AND MAXIMUM SPACING REQUIREMENTS REGARDING HANGER ATTACHMENTS TO STEEL BAR JOISTS.

ALL CHASES WITH WALK-IN DOORS SHALL BE SPRINKLERED. PROVIDE SPRINKLERS IN ANY CHASES WITH AN ACCESS DOOR OF 6'-0" OR GREATER IN HEIGHT.

SPRINKLER PIPE SHALL NOT TRAVERSE ELECTRICAL, IT, COMMUNICATIONS EQUIPEMENT OR SECURITY ELECTRONICS ROOMS OR SIMILAR SPACES.

THE UNDERGROUND SUPPLY LINE TO THE FIRE SPRINKLER SYSTEM SHALL BE FLUSHED AND HYDROSTATICALLY TESTED WITH THE RESULTS BEING PROVIDED TO THE LOCAL AHJ. THE LOCAL AHJ SHALL BE NOTIFIED OF THE DAY AND TIME OF THE FLUSHING AND HYDROSTATIC TESTING WILL OCCUR.

SPRINKLER PIPING AND HANGERS SHALL NOT BE COVERED OR CONCEALED BY ANY MEANS PRIOR TO BEING INSPECTED AND APPROVED BY THE LOCAL AHJ.

INSTALL ALL SYSTEM DRAIN PIPING TO DRAIN OUTSIDE TO AN ACCEPTABLE LOCATION UNLESS COORDINATED WITH THE PLUMBING ENGINEER PRIOR TO DISCHARGING DRAIN INTO JANITORS SINK.

OUTDOOR EXCERCISE AREAS DO NOT REQUIRE FIRE SPRINKLER PROTECTION.

FIRE SPRINKLER SYSTEM SHALL BE DESIGNED AND INSTALLED IN A MANNER TO AVOID OBSTUCTIONS PER NFPA 13 2013 REQUIREMENTS.

DESIGN FLOW DATA

THE FOLLOWING DATA SHALL BE USED FOR BID PURPOSES ONLY. CONFIRM DATA PRIOR TO CALCULATING PIPE SIZES:

LOCATION OF TEST: INTERSECTION OF DUPLIN COMMONS DR. AND FAIRGROUNDS DR.

STATIC PRESSURE: 56 psi

RESIDUAL PRESSURE: 44 psi

FLOW AT TIME OF TEST: 547 gpm

DATE OF TEST: 5/16/23

SPRINKLER HEADS

IN ALL SECURE AREAS: PROVIDE INSTITUTIONAL TYPE, QUICK RESPONSE SPRINKLERS, w/ CHROME FINISH. TYCO MODEL RAVEN IS THE PREFERRED BRAND ALTERNATE. REFER TO ARCHITECTURUAL DRAWINGS FOR LOCATIONS AND EXTENTS ON SECURE AREAS.

IN SUSPENDED ACOUSTICAL OR GYPUM BOARD CEILINGS: PROVIDE CONCEALED, QUICK RESPONSE, GLASS BULB TYPE SPRINKLERS w/ MATCHING COVER PLATE.

FOR HORIZONTAL SIDEWALL APPLICATIONS: PROVIDE RECESSED, QUICK RESPONSE, GLASS BULB TYPE SPRINKLERS w/ CHROME FINISH AND MATCHING ESCUTCHEON.

IN ROOMS w/o SUSPENDED CEILINGS: PROVIDE STANDARD UPRIGHT, QUICK RESPONSE TYPE SPRINKLERS w/ BRASS FINISH.

IN AREAS EXPOSED TO FREEZING CONDITIONS: PROVIDE QUICK RESPONSE, FUSIBLE LINK TYPE, DRY SPRINKLERS.

MOSELEY ARCHITECTS
11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC .COM

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033520 11/12/23 JUSTIN W.P. CARLSON

MOSELEY ARCHITECTS P.A. NORTH CAROLINA CORPORATION C-3469 CHARLOTTE, N.C.

DUPLIN COUNTY DETENTION CENTER

DUPLIN COUNTY, NORTH CAROLINA

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

LEGENDS, ABBREVIATIONS AND GENERAL NOTES

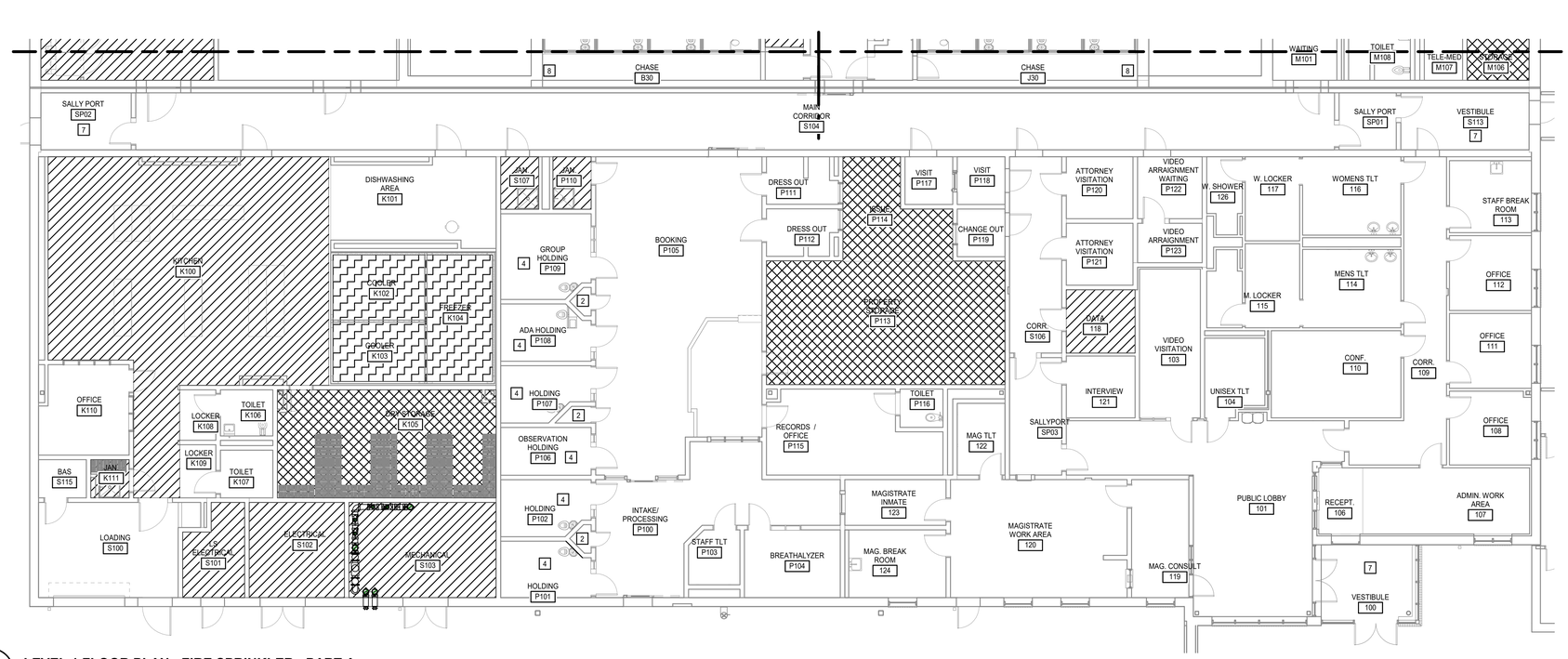
FP0.1

12/11/2023 10:19:21 AM

FIRE PROTECTION KEYNOTES

APPLIES TO DRAWINGS FP2.2.1 - FP2.3.2
REPRESENTED BY [a]

1. OUTDOOR RECREATION YARD. NO AUTOMATIC SPRINKLERS REQUIRED.
2. PROVIDE FIRE SPRINKLER PROTECTION IN CHASES. THE SPACE ABOVE CELL CEILINGS SHALL ALSO HAVE FIRE SPRINKLER PROTECTION.
3. PROVIDE A DOUBLE INTERLOCK PRE-ACTION FIRE SPRINKLER SYSTEM IN THIS LOCATION. INSTALL VALVE AND PANEL IN SECURITY ELECTRONICS SE001.
4. PROVIDE INSTITUTIONAL TYPE PENDENT SPRINLKERS IN CELLS
5. PROVIDE INSTITUTIONAL TYPE SIDEWALL SPRINKLERS IN CELLS.
6. PROVIDE INSTITUTIONAL TYPE FIRE SPRINKLERS UNDER TEIR LEVEL WALKWAY.
7. PROVIDE DRY HORIZONTAL SIDEWALL SPRINKLERS IN THIS AREA.
8. MAIN PIPING UP TO TIER LEVEL FIRE SPRINKLER SYSTEM.
9. MAIN PIPING DOWN TO FIRST FLOOR LEVEL FIRE SPRINKLER SYSTEM.



LEVEL 1 FLOOR PLAN - FIRE SPRINKLER - PART A

1/8" = 1'-0"

MOSELEY ARCHITECTS
11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITEC .COM

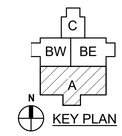
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033520 01/01/23 JUSTIN P CARLSON

MOSELEY ARCHITECTS P.A. REGISTERED FOR GEOTECHNICAL ENGINEERING CORPORATE NUMBER C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DUPLIN COUNTY, NORTH CAROLINA

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION



LEVEL 1 FLOOR PLAN - FIRE SPRINKLER - PART A

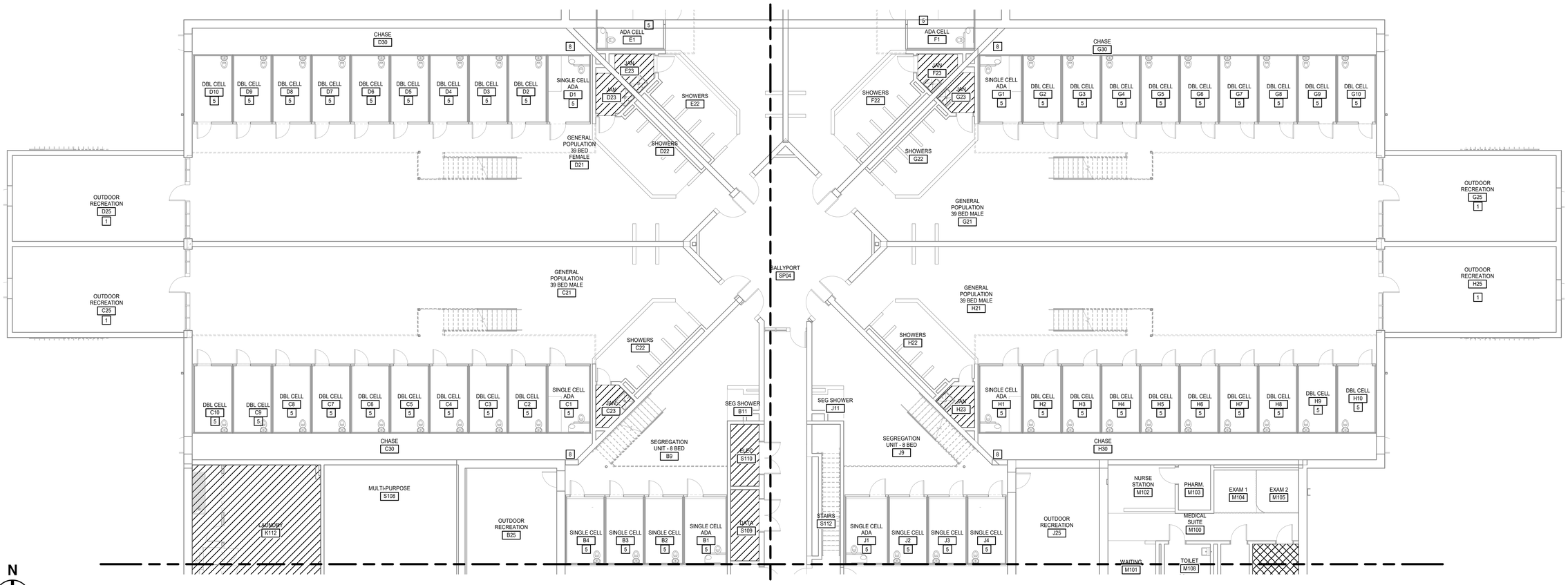
FP2.2.1

12/11/2023 10:19:24 AM

FIRE PROTECTION KEYNOTES

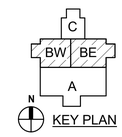
APPLIES TO DRAWINGS FP2.2.1 - FP2.3.2
REPRESENTED BY [n]

1. OUTDOOR RECREATION YARD. NO AUTOMATIC SPRINKLERS REQUIRED.
2. PROVIDE FIRE SPRINKLER PROTECTION IN CHASES. THE SPACE ABOVE CELL CEILINGS SHALL ALSO HAVE FIRE SPRINKLER PROTECTION.
3. PROVIDE A DOUBLE INTERLOCK PRE-ACTION FIRE SPRINKLER SYSTEM IN THIS LOCATION. INSTALL VALVE AND PANEL IN SECURITY ELECTRONICS SE001.
4. PROVIDE INSTITUTIONAL TYPE PENDENT SPRINLKERS IN CELLS
5. PROVIDE INSTITUTIONAL TYPE SIDEWALL SPRINKLERS IN CELLS.
6. PROVIDE INSTITUTIONAL TYPE FIRE SPRINKLERS UNDER TEIR LEVEL WALKWAY.
7. PROVIDE DRY HORIZONTAL SIDEWALL SPRINKLERS IN THIS AREA.
8. MAIN PIPING UP TO TIER LEVEL FIRE SPRINKLER SYSTEM.
9. MAIN PIPING DOWN TO FIRST FLOOR LEVEL FIRE SPRINKLER SYSTEM.



LEVEL 1 FLOOR PLAN - FIRE SPRINKLER - PART B

1/8" = 1'-0"



MOSELEY ARCHITECTS
11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC .COM

NORTH CAROLINA REGISTERED SEAL 033520 01/12/23 ENGINEER JUSTIN P CARLSON

MOSELEY ARCHITECTS PROFESSIONAL CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DUPLIN COUNTY, NORTH CAROLINA

NO:	DATE:
621373	DECEMBER 12, 2023

REVISIONS

DATE	DESCRIPTION

LEVEL 1 FLOOR PLAN - FIRE SPRINKLER - PART B

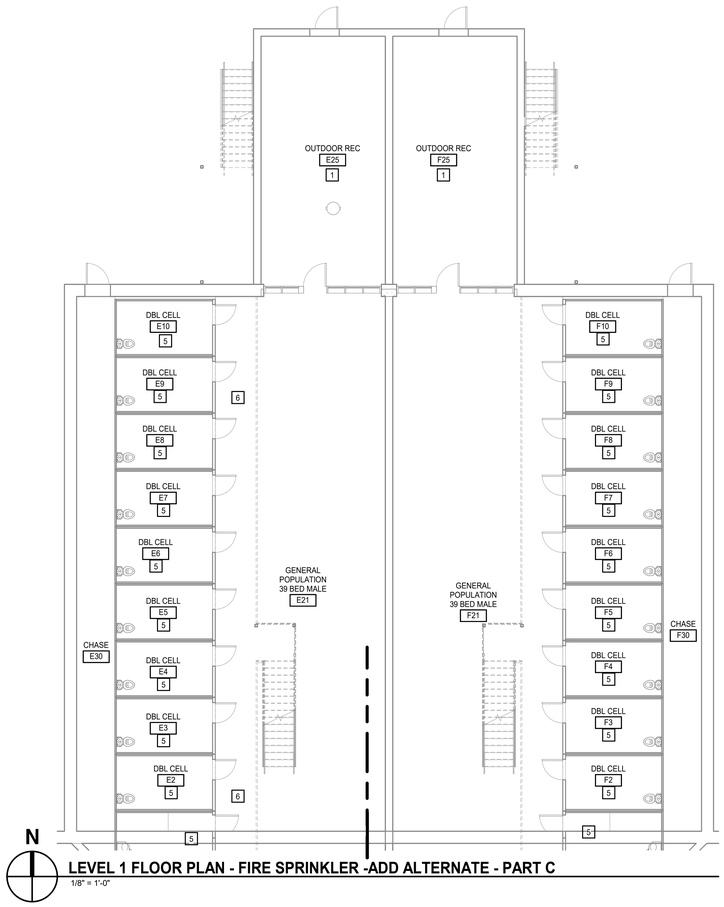
FP2.2.2

12/11/2023 10:19:26 AM

FIRE PROTECTION KEYNOTES

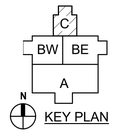
APPLIES TO DRAWINGS FP2.2.1 - FP2.3.2
REPRESENTED BY [n]

1. OUTDOOR RECREATION YARD. NO AUTOMATIC SPRINKLERS REQUIRED.
2. PROVIDE FIRE SPRINKLER PROTECTION IN CHASES. THE SPACE ABOVE CELL CEILINGS SHALL ALSO HAVE FIRE SPRINKLER PROTECTION.
3. PROVIDE A DOUBLE INTERLOCK PRE-ACTION FIRE SPRINKLER SYSTEM IN THIS LOCATION. INSTALL VALVE AND PANEL IN SECURITY ELECTRONICS SE001.
4. PROVIDE INSTITUTIONAL TYPE PENDENT SPRINLKERS IN CELLS
5. PROVIDE INSTITUTIONAL TYPE SIDEWALL SPRINKLERS IN CELLS.
6. PROVIDE INSTITUTIONAL TYPE FIRE SPRINKLERS UNDER TEIR LEVEL WALKWAY.
7. PROVIDE DRY HORIZONTAL SIDEWALL SPRINKLERS IN THIS AREA.
8. MAIN PIPING UP TO TIER LEVEL FIRE SPRINKLER SYSTEM.
9. MAIN PIPING DOWN TO FIRST FLOOR LEVEL FIRE SPRINKLER SYSTEM.



N

LEVEL 1 FLOOR PLAN - FIRE SPRINKLER -ADD ALTERNATE - PART C
1/8" = 1'-0"



KEY PLAN

MOSELEY ARCHITECTS
11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEY ARCHITEC .COM

NORTH CAROLINA REGISTERED ARCHITECT SEAL 033520 12/12/23 JOSEPH VP CARLSON

MOSELEY ARCHITECTS P.A. CORPORATE NUMBER C-3469 NORTH CAROLINA REGISTERED CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DUPLIN COUNTY, NORTH CAROLINA

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

LEVEL 1 FLOOR PLAN - FIRE SPRINKLER - ADD ALTERNATE - PART C

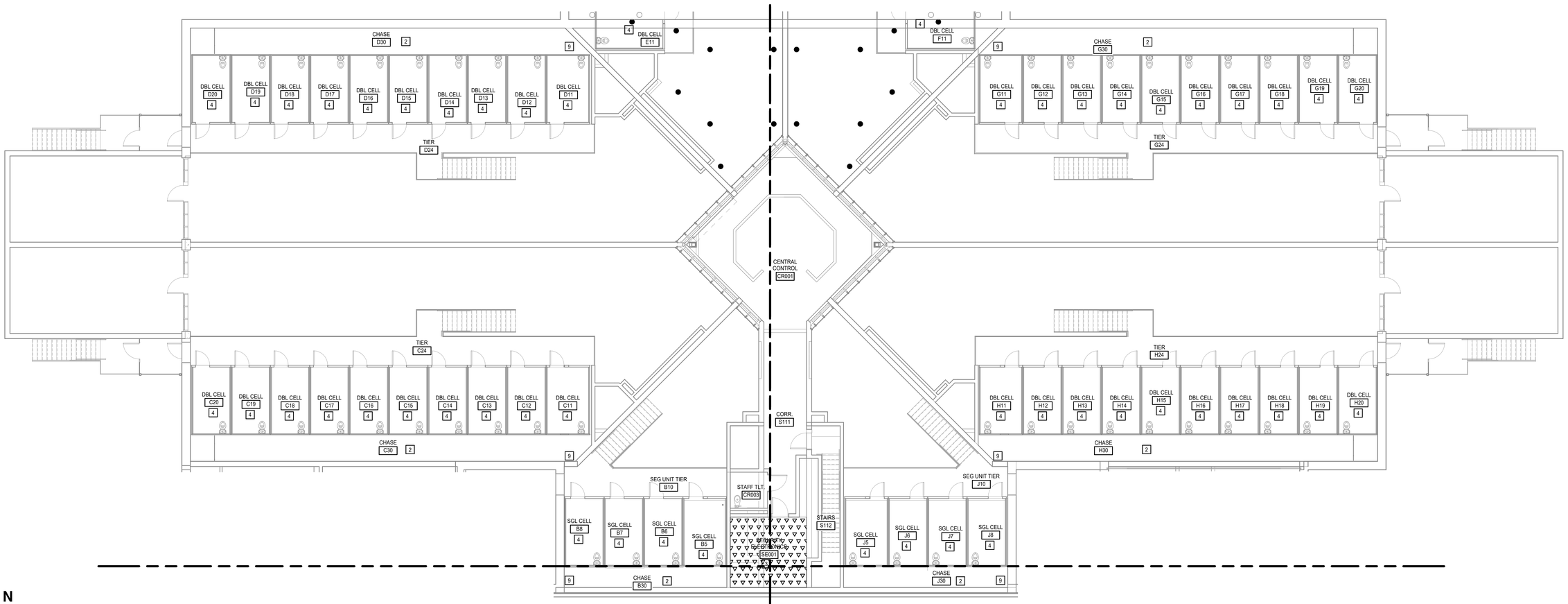
FP2.2.3

12/11/2023 10:19:27 AM

FIRE PROTECTION KEYNOTES

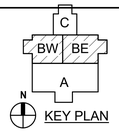
APPLIES TO DRAWINGS FP2.2.1 - FP2.3.2
REPRESENTED BY n

1. OUTDOOR RECREATION YARD. NO AUTOMATIC SPRINKLERS REQUIRED.
2. PROVIDE FIRE SPRINKLER PROTECTION IN CHASES. THE SPACE ABOVE CELL CEILINGS SHALL ALSO HAVE FIRE SPRINKLER PROTECTION.
3. PROVIDE A DOUBLE INTERLOCK PRE-ACTION FIRE SPRINKLER SYSTEM IN THIS LOCATION. INSTALL VALVE AND PANEL IN SECURITY ELECTRONICS SE001.
4. PROVIDE INSTITUTIONAL TYPE PENDENT SPRINLKERS IN CELLS
5. PROVIDE INSTITUTIONAL TYPE SIDEWALL SPRINKLERS IN CELLS.
6. PROVIDE INSTITUTIONAL TYPE FIRE SPRINKLERS UNDER TEIR LEVEL WALKWAY.
7. PROVIDE DRY HORIZONTAL SIDEWALL SPRINKLERS IN THIS AREA.
8. MAIN PIPING UP TO TIER LEVEL FIRE SPRINKLER SYSTEM.
9. MAIN PIPING DOWN TO FIRST FLOOR LEVEL FIRE SPRINKLER SYSTEM.



N

TIER LEVEL FLOOR PLAN - FIRE SPRINKLER - PART B
1/8" = 1'-0"



KEY PLAN

MOSELEYARCHITECTS
11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC .COM

NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL 033520 12/12/23 JUSTIN P CARLSON

MOSELEY ARCHITECTS PC REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DUPLIN COUNTY, NORTH CAROLINA

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

TIER LEVEL FLOOR PLAN - FIRE SPRINKLER - PART B

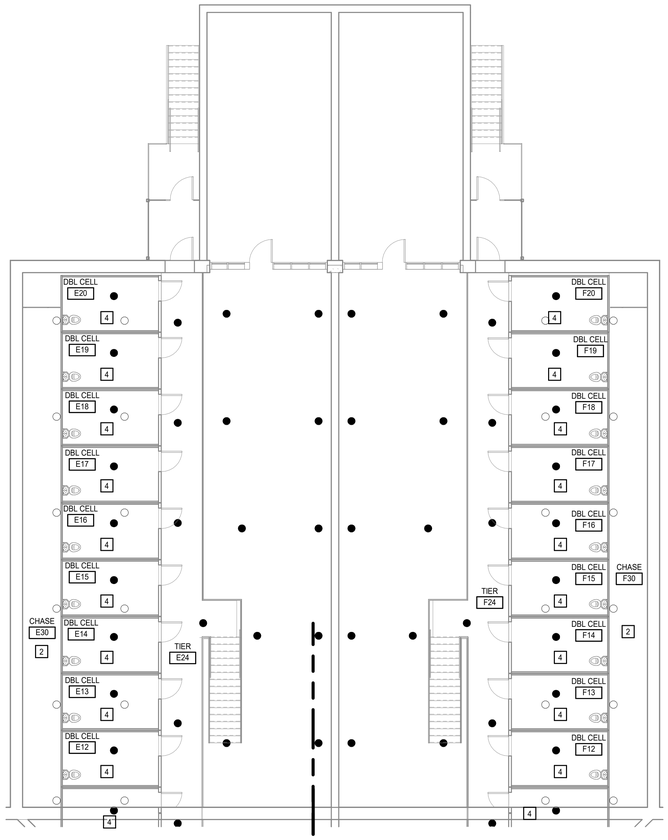
FP2.3.1

12/11/2023 10:19:29 AM

FIRE PROTECTION KEYNOTES

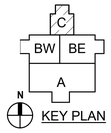
APPLIES TO DRAWINGS FP2.2.1 - FP2.3.2
REPRESENTED BY n

1. OUTDOOR RECREATION YARD. NO AUTOMATIC SPRINKLERS REQUIRED.
2. PROVIDE FIRE SPRINKLER PROTECTION IN CHASES. THE SPACE ABOVE CELL CEILINGS SHALL ALSO HAVE FIRE SPRINKLER PROTECTION.
3. PROVIDE A DOUBLE INTERLOCK PRE-ACTION FIRE SPRINKLER SYSTEM IN THIS LOCATION. INSTALL VALVE AND PANEL IN SECURITY ELECTRONICS SE001.
4. PROVIDE INSTITUTIONAL TYPE PENDENT SPRINLKERS IN CELLS
5. PROVIDE INSTITUTIONAL TYPE SIDEWALL SPRINKLERS IN CELLS.
6. PROVIDE INSTITUTIONAL TYPE FIRE SPRINKLERS UNDER TEIR LEVEL WALKWAY.
7. PROVIDE DRY HORIZONTAL SIDEWALL SPRINKLERS IN THIS AREA.
8. MAIN PIPING UP TO TIER LEVEL FIRE SPRINKLER SYSTEM.
9. MAIN PIPING DOWN TO FIRST FLOOR LEVEL FIRE SPRINKLER SYSTEM.



N

TIER LEVEL FLOOR PLAN - FIRE SPRINKLER - ADD ALTERNATE - PART C
1/8" = 1'-0"



KEY PLAN

MOSELEYARCHITECTS
11430 NORTH COMMUNITY HOUSE ROAD GIBSON BUILDING SUITE 225 CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELE ARCHITEC .COM

NORTH CAROLINA PROFESSIONAL SEAL 033520 12/12/23 ENGINEER JUSTIN P CARLSON

MOSELEY ARCHITECTS PC REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DUPLIN COUNTY, NORTH CAROLINA

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

TIER LEVEL FLOOR PLAN - FIRE SPRINKLER - ADD ALTERNATE - PART C

FP2.3.2

12/11/2023 10:19:30 AM

EQUIPMENT ABBREVIATION

AHU	AIR-HANDLING UNIT
AS	AIR SEPARATOR
B	BOILER
BCU	BLOWER COIL UNIT
CCC	CLOSED-CIRCUIT COOLING TOWER
CH	CHILLER
CHWP	CHILLED WATER PUMP
CRAC	COMPUTER ROOM AIR CONDTIONER
CT	COOLING TOWER
CUH	CABINET UNIT HEATER
CWP	CONDENSER WATER PUMP
ECH	ELECTRIC CEILING HEATER
ERU	ENERGY RECOVERY UNIT
ERV	ENERGY RECOVERY VENTILATOR
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
FCU	FAN COIL UNIT
HP	HEAT PUMP
HWP	HOT WATER PUMP
HX	HEAT EXCHANGER
MAU	MAKEUP AIR UNIT
OAU	OUTDOOR AIR UNIT
P	PUMP
PTAC	PACKAGED TERMINAL AIR CONDITIONER
PTHP	PACKAGED TERMINAL HEAT PUMP
RTU	ROOFTOP UNIT
SSI	SPLIT-SYSTEM INDOOR UNIT
SSO	SPLIT-SYSTEM OUTDOOR UNIT
TU	TERMINAL UNIT
UH	UNIT HEATER
WSHP	WATER-SOURCE HEAT PUMP

CONTROLS ABBREVIATIONS

AF	AIRFLOW
AI	ANALOG INPUT TO CONTROLLER
ALM	ALARM
AMS	AIRFLOW MEASURING STATION
AO	ANALOG OUTPUT FROM CONTROLLER
ATS	AVERAGING TEMPERATURE SENSOR
BAS	BUILDING AUTOMATION SYSTEM
BI	BINARY INPUT TO CONTROLLER
BO	BINARY OUTPUT FROM CONTROLLER
CO2	CARBON DIOXIDE SENSOR
CSR	CURRENT-SENSING RELAY
DM	DAMPER MOTOR
DP	DIFFERENTIAL PRESSURE
DPT	DIFFERENTIAL PRESSURE TRANSMITTER
FM	FLOW METER
FZ	FREEZESTAT
HS	HUMIDITY SENSOR
POS	POSITION
R	RELAY
SD	SMOKE DETECTOR
SPD	SPEED
SS	START/STOP
STS	STATUS
TS	TEMPERATURE SENSOR
VFD	VARIABLE-FREQUENCY DRIVE

ABBREVIATIONS

A	AMPERE(S)
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
APD	AIR PRESSURE DROP
BHP	BRAKE HORSEPOWER
BTUH	BRITISH THERMAL UNITS PER HOUR
CFM	CUBIC FEET PER MINUTE
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CLG	COOLING
COM	COMMON
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
D	DRAIN
DB	DRY BULB TEMPERATURE
dBA	A-WEIGHTED DECIBELS
DCW	DOMESTIC COLD WATER
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENCY RATIO
EQ	EQUAL
ESP	EXTERNAL STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE
EX	EXISTING
F	DEGREES FAHRENHEIT
FC	FAIL CLOSED
FD	FIRE DAMPER
FLA	FULL LOAD AMPS
FO	FAIL OPEN
FPM	FEET PER MINUTE
FT	FOOT, FEET
GA	GAUGE
GAL	GALLON(S)
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HP	HORSEPOWER
HPWR	HEAT PUMP WATER RETURN
HPWS	HEAT PUMP WATER SUPPLY
HTG	HEATING
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HX	HEAT EXCHANGER
HZ	HERTZ
IN	INCH
IPLV	INTEGRATED PART-LOAD VALUE
KW	KILOWATT(S)
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	ONE THOUSAND BTUH
MCA	MINIMUM CIRCUIT AMPACITY
MFR	MANUFACTURER
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
MOD	MOTOR-OPERATED DAMPER
NC	NORMALLY CLOSED (FOR PLANS, DETAILS)
NC	NOISE CRITERIA (FOR SCHEDULES)
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
OA	OUTSIDE AIR
OC	ON CENTER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
PH	PHASE
PSIG	POUNDS PER SQUARE INCH GAUGE
RA	RETURN AIR
RD	REFRIGERANT DISCHARGE
RH	RELATIVE HUMIDITY
RL	REFRIGERANT LIQUID
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION
SA	SUPPLY AIR
SEER	SEASONAL ENERGY EFFICIENCY RATIO
TD	TRANSFER DUCT
TYP	TYPICAL
UNO	UNLESS NOTED (INDICATED) OTHERWISE
V	VOLTAGE, VOLTS
VD	VOLUME DAMPER
VFD	VARIABLE FREQUENCY DRIVE
W	WATT(S)
W/	WITH
W/O	WITHOUT
WB	WET BULB TEMPERATURE
WC	WATER COLUMN
WPD	WATER PRESSURE DROP
WWM	WELDED WIRE MESH

GENERAL NOTES

A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.

B. DRAWINGS ARE DIAGRAMMATIC AND INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY. DO NOT SCALE DRAWINGS. LOCATIONS OF ALL ITEMS INDICATED ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITIVELY FIXED BY DIMENSIONS ARE APPROXIMATE. COORDINATE CONTRACT DOCUMENTS PROJECT REQUIREMENTS, WORK OF OTHERS, AND EQUIPMENT AND MATERIALS PURCHASED WITH FIELD DIMENSIONS. MANUFACTURER'S REQUIREMENTS FOR INSTALLATION, OPERATION, AND MAINTENANCE. CONTRACTOR'S INTENDED MEANS AND METHODS OF INSTALLATION, AND CONTRACTOR'S FABRICATED ITEMS TO ENSURE A PROPER FIT AND INSTALLATION.

C. MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS. WHERE HEADROOM AND SPACE CONDITIONS APPEAR INADEQUATE, NOTIFY THE ARCHITECTS PRIOR TO PROCEEDING WITH INSTALLATION. MAINTAIN A MINIMUM OF 7'-0" CLEARANCE ABOVE FINISHED FLOOR TO UNDERSIDE OF PIPES, DUCTS, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS.

D. FIELD VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION. MAKE MODIFICATIONS IN THE LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF THE WORK.

E. INSTALL ALL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS.

F. COORDINATE LOCATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS WITH ALL OTHER TRADES. COORDINATE ALL PIPING AND EQUIPMENT SUPPORTED FROM STRUCTURE WITH GENERAL CONSTRUCTION WORK.

G. PROVIDE TRAPPED DRAIN PIPING FROM DRAIN PANS OF ALL COOLING COILS, FANS AND OTHER ACTIVE DRAINS EXPOSED TO SYSTEM AIRSTREAM. PROVIDE TRAP AT CONNECTION WITH WATER SEAL DEPTH ONE INCH GREATER THAN UNIT OPERATING PRESSURE. DIRECT DRAINS TO NEAREST FLOOR DRAIN, MOP SINK, OR OTHER LOCATION APPROVED BY THE ARCHITECT.

H. INSTALL PIPING, DUCTWORK, AND CONDUIT CONCEALED IN AREAS HAVING CEILINGS AND/OR FURRED SPACES UNLESS OTHERWISE INDICATED.

I. ALL EQUIPMENT, VALVES, DAMPERS, DAMPER AND VALVE OPERATORS SHALL BE PROVIDED WITH ADEQUATE ACCESS FOR SERVICING, MAINTENANCE, AND REPLACEMENT.

J. SIZE ALL SPLIT-SYSTEM REFRIGERANT PIPING IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

K. DUCT DIMENSIONS MAY BE MODIFIED ONLY WITH PRIOR APPROVAL FROM ARCHITECT. DUCT DIMENSIONS ARE IN INCHES AND INSIDE CLEAR.

L. FOR LOCATION OF REGISTERS, GRILLES, AND DIFFUSERS WITHIN CEILING GRID, REFER TO ARCHITECTURAL REFLECTED CEILING PLANS.

M. ELEVATION INDICATED FOR RECTANGULAR DUCT, GRILLE AND LOUVER OPENINGS IS TO THE TOP OF ROUGH OPENING UNLESS OTHERWISE INDICATED. ELEVATION INDICATED FOR ROUND DUCTWORK AND PIPING IS TO CENTERLINE.

N. BRANCH PIPING RUNOUTS TO TERMINAL UNITS SHALL BE 3/4" DIAMETER UNLESS INDICATED OTHERWISE.

O. REFER TO STRUCTURAL DRAWINGS FOR DETAILS AND MAXIMUM SPACING REQUIREMENTS REGARDING HANGER ATTACHMENTS TO STEEL BAR JOISTS.

P. PROVIDE DUCT ACCESS DOORS/PANELS FOR ALL FIRE, SMOKE AND COMBINATION FIRE/SMOKE DAMPERS TO ALLOW SERVICE AND INSPECTION ACCESS. PROVIDE PERMANENT ACCESS IDENTIFICATION IN ACCORDANCE WITH 2018 NCSMC SECTION 607.4.

Q. ALL DUCTWORK WHICH PASSES THROUGH ANY 1-HOUR FIRE PARTITION (AND IS NOT PROVIDED WITH A FIRE DAMPER) MUST BE CONSTRUCTED OF SHEET STEEL NOT LESS THAN NO. 26 GAUGE THICKNESS AND BE CONTINUOUS FROM THE AIR HANDLING APPIANCE OR EQUIPMENT TO THE AIR OUTLET AND INLET TERMINALS PER 2018 NCSMC SECTION 717.5.4 (4).

CONTROL SYMBOL LEGEND

- CIRCULATOR OR PUMP
- MOTORIZED 2-WAY VALVE
- MOTORIZED 3-WAY VALVE
- VFD — VARIABLE FREQUENCY DRIVE
- DDC — DIRECT DIGITAL CONTROLLER
- T — THERMOSTAT
- FZ — FREEZESTAT
- C — CONTACTOR
- R — RELAY
- S — SPACE TEMPERATURE SENSOR
- T — LINE VOLTAGE THERMOSTAT
- HAND-OFF-AUTOMATIC SWITCH
- SD — DUCT-MOUNTED SMOKE DETECTOR
- TRANSFORMER
- FUSE
- NORMALLY OPEN CONTACT
- NORMALLY CLOSED CONTACT
- WIRING OR DEVICE PROVIDED UNDER DIVISION 23
- WIRING OR DEVICE NOT PROVIDED UNDER DIVISION 23
- WIRING CONNECTION BY DIVISION 23
- WIRING CONNECTION BY OTHERS
- NUMBER OF CONDUCTORS INDICATED BY SLASH MARKS
- MOTORIZED PARALLEL BLADE DAMPER
- MOTORIZED OPPOSED BLADE DAMPER
- MOTORIZED BUTTERFLY BLADE DAMPER
- SUPPLY, RETURN, OR EXHAUST FAN
- AIRFLOW DIRECTION
- CONTROL POINT INDICATOR — AI: INPUT OR OUTPUT (ANALOG INPUT); TS: DEVICE TYPE (AIR TEMPERATURE SENSOR)
- CONTROL POINT INDICATOR — AI: INPUT OR OUTPUT (ANALOG INPUT); TS: DEVICE TYPE (AIR TEMPERATURE SENSOR WITH AVERAGING ELEMENT)
- CONTROL POINT INDICATOR — AI: INPUT OR OUTPUT (ANALOG INPUT); TS: DEVICE TYPE (WATER TEMPERATURE SENSOR WITH BULB TYPE ELEMENT IN PIPING WELL)
- CONTROL POINT INDICATOR — AI: INPUT OR OUTPUT (ANALOG INPUT); CSR: DEVICE TYPE (CURRENT SENSING RELAY)

GENERAL NOTES

RUNOUT SIZES TO DIFFUSERS TO DIFFUSER AND GRILLES ARE THE SAME AS THE DIFFUSER/GRILLE NECK SIZE UNLESS INDICATED OTHERWISE. PROVIDE RECTANGULAR TO ROUND TRANSITIONS AS REQUIRED.

PROVIDE RECTANGULAR TO ROUND TRANSITION TO CONNECT FLEXIBLE DUCTWORK TO DIFFUSERS OR GRILLES WITH SQUARE OR RECTANGULAR NECK.

WHEN SECURITY BARS AND LIFE SAFETY DAMPERS (FIRE DAMPERS, SMOKE AND FIRE-SMOKE DAMPERS) ARE INSTALLED IN THE SAME WALL PROVIDE THE SECURITY BARS AS AN ACCESSORY/OPTION TO BE INCLUDED WITH THE LIFE SAFETY DAMPER. THE LIFE SAFETY DAMPER MANUFACTURER SHALL PROVIDE A COMPLETE ASSEMBLY THAT INCLUDES THE SECURITY BARS WITH THE LIFE SAFETY DAMPER, FACTORY INSTALLED AND UL LISTED. FIELD CONSTRUCTED ASSEMBLIES OF LIFE SAFETY DAMPERS WITH SECURITY BARS, INSTALLED IN THE SAME WALL WILL BE REJECTED.

GRAPHIC SYMBOL LEGEND

- CORRIDOR A101 — SPACE TAG: SPACE NAME, SPACE NUMBER, BUILDING "PART" NUMBER IN MULTI-PART BUILDING
- AHU-12 — EQUIPMENT TAG: EQUIPMENT NUMBER, EQUIPMENT ABBREVIATION
- S1 / 325 — DIFFUSER, GRILLE OR REGISTER TAG: TAG, REFER TO DIFFUSER, GRILLE AND REGISTER SCHEDULE; AIRFLOW (CFM)
- 1 / M5.1 — DETAIL TAG: DETAIL NUMBER, DRAWING WHERE DETAIL IS INDICATED
- 15 — KEYNOTE
- C — STRUCTURAL GRID LINE WITH DESIGNATION
- EXISTING TO BE REMOVED
- 1 / M2.2 / M2.3 / M2.4 / M5.1 — DETAIL TITLE; 1/4"=1'-0"; DETAIL NUMBER; DRAWING WHERE DETAIL IS INDICATED; DRAWING WHERE DETAIL IS REFERENCED; ADDITIONAL DRAWING REFERENCES
- 1 / M2.2 / M2.3 / M2.4 / M4.1 — SECTION TITLE; 1/4"=1'-0"; SECTION NUMBER; DRAWING WHERE SECTION IS INDICATED; DRAWING WHERE SECTION IS REFERENCED; ADDITIONAL DRAWING REFERENCES
- 1 / M4.1 — SECTION CALLOUT: SECTION NUMBER; DRAWING WHERE SECTION IS INDICATED
- 1 / M3.1 — ENLARGED PLAN CALLOUT: ENLARGED PLAN NUMBER; DRAWING WHERE ENLARGED PLAN IS INDICATED
- MECHANICAL EQUIPMENT WITH REQUIRED SERVICE CLEARANCE INDICATED

DUCTWORK LEGEND

- 18x8 — RECTANGULAR DUCT (FIRST DIMENSION REFERS TO SIDE VIEWED)
- 18ø — ROUND DUCT SIZE
- 18/12 — FLAT OVAL DUCT SIZE
- 18ø — DOUBLE WALL, EXPOSED DUCT
- 18ø — FABRIC DUCT
- FLEXIBLE DUCTWORK
- FLEXIBLE CONNECTOR
- SD — DUCT-MOUNTED SMOKE DETECTOR
- DUCT WITH DUCT LINER
- DUCT ACCESS DOOR
- DUCT WITH END CAP
- LINEAR SLOT DIFFUSER, LENGTH AS INDICATED
- LINEAR BAR GRILLE, LENGTH AS INDICATED
- SUPPLY DIFFUSER
- RETURN OR EXHAUST GRILLE
- SUPPLY DIFFUSER WITH DIRECTIONAL BLOW, SOLID HATCH INDICATES BLANK OFF PANEL
- POINT OF CONNECTION TO EXISTING
- LIMIT OF DEMOLITION
- SUPPLY AIRFLOW ARROW
- RETURN OR EXHAUST AIRFLOW ARROW
- UC — DOOR UNDERCUT
- DL — DOOR LOUVER
- SENSOR WELL
- MANUAL BALANCING DAMPER IN DUCT
- FIRE DAMPER IN DUCT
- SMOKE DAMPER IN DUCT
- COMBINATION FIRE/SMOKE DAMPER IN DUCT
- FIRE DAMPER WITH SECURITY BARS IN DUCT
- SB — SMOKE DAMPER WITH SECURITY BARS IN DUCT
- SB — COMBINATION FIRE/SMOKE DAMPER WITH SECURITY BARS IN DUCT
- M — MOTORIZED DAMPER IN DUCT
- M — SMOKE CONTROL MANUAL BALANCING DAMPER IN DUCT
- M — SMOKE CONTROL MOTORIZED DAMPER IN DUCT
- SB — SECURITY BARS IN DUCT
- AP — DUCT WITH ACCESS PANEL
- TO / AWAY — SUPPLY/MAKEUP AIR DUCT SECTIONS
- TO / AWAY — RETURN AIR DUCT SECTIONS
- TO / AWAY — EXHAUST AIR DUCT SECTIONS
- SD — SMOKE DETECTOR
- H — HUMIDITY SENSOR
- T — THERMOSTAT, LINE VOLTAGE
- T — THERMOSTAT, LOW VOLTAGE
- S — TEMPERATURE SENSOR
- C — CARBON DIOXIDE SENSOR
- CM — CARBON MONOXIDE SENSOR

PIPING LEGEND

- CO — END OF LINE CLEANOUT PLUG
- CO — CLEANOUT PLUG
- PRESSURE GAUGE WITH GAUGE COCK
- LIQUID FILLED THERMOMETER
- UNION
- STRAINER WITH BLOWDOWN VALVE AND 3/4" HOSE END CONNECTION
- FLEXIBLE PIPE CONNECTOR
- MA — MANUAL AIR VENT
- VALVE
- MANUAL BALANCING VALVE WITH FLOW TAPS
- AUTOMATIC BALANCING VALVE WITH FLOW TAPS
- SWING CHECK VALVE
- PRESSURE REDUCING VALVE
- TRIPLE DUTY VALVE
- GAS COCK
- P — PRESSURE-RELIEF VALVE
- M — TWO-WAY CONTROL VALVE
- M — THREE-WAY CONTROL VALVE
- DIRECTION OF FLOW

ADD ALTERNATES

ADD ALTERNATE #1: THE ADDITION OF AREA-C AND MECHANICAL SYSTEMS.

ADD ALTERNATE #2: ADD REDUNDANT DOAS UNIT DOAS-A2. THIS UNIT CAN BE A BACK-UP REDUNDANT UNIT FOR DOAS-1 OR DOAS-2. (BASE BID UNITS).

ADD ALTERNATE #3: REDUNDANT DOAS UNIT DOAS-A2 IS CONFIGURED TO SERVE AS A BACK-UP UNIT TO ADD ALTERNATE #1's DOAS-A1.

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA — SEAL 033520 — 01/12/23 — REGISTERED PROFESSIONAL ENGINEER — JUSTIN P. CARLSON

MOSELEY ARCHITECTS — PROFESSIONAL CORPORATION — C-3469 — NORTH CAROLINA — CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY, NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO:	DATE:
621373	DECEMBER 12, 2023

REVISIONS

DATE	DESCRIPTION

LEGENDS, ABBREVIATIONS AND GENERAL NOTES

M0.1

12/11/2023 11:47:03 AM

DEDICATED OUTSIDE AIR SYSTEM WITH ENTHALPY WHEEL SCHEDULE

				SUPPLY FAN							EXHAUST FAN						ENTHALPY WHEEL										COOLING COIL				HEATING SECTION			ELECTRICAL DATA							
						WHEEL							WHEEL				OUTDOOR AIR				EXHAUST AIR							EAT		LAT										
																	SUMMER		WINTER		SUMMER		WINTER																
TAG	MFR	MODEL NUMBER	SERVING	DESIGN AIRFLOW (CFM)	ESP (IN WC)	TYPE	FAN SPEED (RPM)	MOTOR(S) SIZE (HP)	MOTOR (BHP)	OUTSIDE AIR DESIGN AIRFLOW (CFM)	UNIT PRESSURIZATION DIFFERENTIAL (CFM)	DESIGN AIRFLOW (CFM)	ESP (IN WC)	TYPE	FAN SPEED (RPM)	MOTOR SIZE (HP)	MOTOR (BHP)	DESIGN AIRFLOW (CFM)	EAT (°F DB)	EAT (°F WB)	LAT (°F DB)	LAT (°F WB)	EAT (°F DB)	EAT (°F WB)	LAT (°F DB)	LAT (°F WB)	DESIGN AIRFLOW (CFM)	EAT (°F DB)	EAT (°F WB)	LAT (°F DB)	LAT (°F WB)	EAT (°F DB)	EAT (°F WB)	LAT (°F DB)	LAT (°F WB)	TOTAL CAPACITY (BTUH)	SENSIBLE CAPACITY (BTUH)	(°F DB)	(°F WB)	(°F DB)	(°F WB)	INPUT CAPACITY (MBH)	OUTPUT CAPACITY (MBH)	EAT (°F)	LAT (°F)	(V)	(PH)	(HZ)	MCA	MOCP	UNIT WEIGHT (LBS)	APPROX. CURB WEIGHT (LBS)	NOTES
DOAS-1	TRANE	OAKD264A4-D1B400JR	GEN POP C&D	6500	1.75	PLENUM	2052	7.5	6.38	6500	650	5850	1.25	PLENUM	1735	5.0	3.89	6500	93.7	73.2	81.3	67.7	21.0	21.0	53.0	42.6	5850	76.0	65.0	89.5	71.4	68.0	51.0	31.9	29.3	288700	198200	81.3	67.7	53.7	53.4	350.0	283.5	53.0	93.2	460	3	60	61.0 A	70 A	5666		1 THRU 3
DOAS-2	TRANE	OAKD264A4-D1B400JR	GEN POP G&H	6500	1.75	PLENUM	2052	7.5	6.38	6500	650	5850	1.25	PLENUM	1735	5.0	3.89	6500	93.7	73.2	81.3	67.7	21.0	21.0	53.0	42.6	5850	76.0	65.0	89.5	71.4	68.0	51.0	31.9	29.3	288700	198200	81.3	67.7	53.7	53.4	350.0	283.5	53.0	93.2	460	3	60	61.0 A	70 A	5666		1 THRU 3
DOAS-3	TRANE	OABD108A4-C1B401KP	SEGREGATION B008 & J009	2600	1.60	PLENUM	2999	5.0	2.53	2600	260	2340	1.10	PLENUM	2645	3.0	1.71	2600	93.7	73.2	81.4	67.8	21.0	21.0	52.7	42.4	2340	76.0	65.0	89.4	71.4	68.0	51.0	32.1	29.4	101000	73600	81.4	67.8	55.8	55.5	150.0	120.0	52.6	95.2	460	3	60	29.0 A	40 A	2126		1 THRU 3

NOTES:
1. ECONOMIZER, ROOF CURB, SINGLE POINT POWER CONNECTION WITH UNIT MOUNTED DISCONNECT BY FACTORY (THROUGH THE BASE ELECTRICAL). PROVIDE LEVEL A SECURITY BARS IN DUCTWORK AT EACH ROOF PENETRATION. UNIT TO BE ELECTRIC COOL/GAS HEAT (FURNACE), HOT GAS REHEAT / DEHUMIDIFICATION, LON OR BACNET INTERFACE.
2. RETURN/EXHAUST AIR DUCT SMOKE DETECTOR FACTORY INSTALLED.
3. 18" TALL ROOF CURB.

DEDICATED OUTSIDE AIR SYSTEM SCHEDULE

				SUPPLY FAN						OUTSIDE AIR DEISGN AIRFLOW (CFM)	UNIT PRESSURIZATION DIFFERENTIAL (CFM)	EXHAUST FAN						COOLING COIL						HEATING SECTION				ELECTRICAL DATA							
						WHEEL	FAN							WHEEL	FAN					EAT		LAT													
TAG	MFR	MODEL NUMBER	SERVING	DESIGN AIRFLOW (CFM)	ESP (IN WC)	TYPE	SPEED (RPM)	MOTOR(S) SIZE (HP)	MOTOR (BHP)			DESIGN AIRFLOW (CFM)	ESP (IN WC)	TYPE	SPEED (RPM)	MOTOR SIZE (HP)	MOTOR (BHP)	TOTAL CAPACITY (BTUH)	SENSIBLE CAPACITY (BTUH)	(°F DB)	(°F WB)	(°F DB)	(°F WB)	INPUT CAPACITY (MBH)	OUTPUT CAPACITY (MBH)	EAT (°F)	LAT (°F)	(V)	(PH)	(HZ)	MCA	MOCP	UNIT WEIGHT (LBS)	APPROX. CURB WEIGHT (LBS)	NOTES
DOAS-4	TRANE	OABD036A4-C1B401LE	HOLDING	525	1.00	PLENUM	2022	1.0	0.14	525	-140	665	1.00	PLENUM	1447	1.0	0.15	39900	25200	93.7	73.2	50.3	49.2	50.0	40.0	21.0	91.3	460	3	60	14.0 A	20 A	1886		1 THRU 3

NOTES:
1. ECONOMIZER, ROOF CURB, SINGLE POINT POWER CONNECTION WITH UNIT MOUNTED DISCONNECT BY FACTORY (THROUGH THE BASE ELECTRICAL). PROVIDE LEVEL A SECURITY BARS IN DUCTWORK AT EACH ROOF PENETRATION. UNIT TO BE ELECTRIC COOL/GAS HEAT (FURNACE), HOT GAS REHEAT / DEHUMIDIFICATION, LON OR BACNET INTERFACE.
2. RETURN/EXHAUST AIR DUCT SMOKE DETECTOR FACTORY INSTALLED.
3. 18" TALL ROOF CURB.

ELECTRIC UNIT HEATER SCHEDULE

TAG	MFR	MODEL NUMBER	LOCATION	TYPE	HEATING CAPACITY (KW)	AIRFLOW (CFM)	ELECTRICAL DATA (V)	(PH)	(HZ)	WEIGHT (LBS)	NOTES
UH-1	MARKEL	G1G5105N	LOADING DOCK	SUSPENDED	7.5	400	277	1	60	25	1,2,3
UH-2	MARKEL	G1G5103N	ELECTRIC	SUSPENDED	3.3	400	277	1	60	25	1,2,3
UH-3	MARKEL	G1G5103N	ELECTRIC	SUSPENDED	3.3	400	277	1	60	25	1,2,3
UH-4	MARKEL	G1G5105N	MECHANICAL	SUSPENDED	7.5	400	277	1	60	30	1,2,3
UH-5	MARKEL	G1G5105N	LAUNDRY	SUSPENDED	7.5	400	277	1	60	30	1,2,3
UH-6	MARKEL	G1G5103N	STORAGE	SUSPENDED	3.3	400	277	1	60	25	1,2,3
UH-7	MARKEL	G1G5103N	STORAGE	SUSPENDED	3.3	400	277	1	60	25	1,2,3
WH-1	MARKEL	G3422T	SALLYPORT	RECESSED WALL	2.0	245	277	1	60	55	1,2,4
WH-2	MARKEL	G3422T	SALLYPORT	RECESSED WALL	2.0	245	277	1	60	55	1,2,4
WH-3	MARKEL	G3425T	ENTRANCE	RECESSED WALL	5.0	245	277	1	60	55	1,2,4

NOTES:
1. PROVIDE WITH UNIT MOUNTED THERMOSTAT.
2. PROVIDE WITH UNIT MOUNTED DISCONNECT.
3. PROVIDE WITH SUMMER FAN SWITCH.
4. PROVIDE WITH TAMPER PROOF GRILLE AND THERMOSTAT.

ROOFTOP UNIT SCHEDULE HGRH & (GAS HEATING)

				SUPPLY FAN				EXHAUST/RELIEF FAN			DX COOLING COIL							GAS HEATING				ELECTRICAL DATA								
													EAT		LAT									SERVICE						
TAG	MANUFACTURER	MODEL NUMBER	SERVING	DESIGN AIRFLOW (CFM)	ESP (IN WC)	MOTOR SIZE (HP)	OUTSIDE AIRFLOW (CFM)	DESIGN AIRFLOW (CFM)	ESP (IN WC)	MOTOR SIZE (HP)	TOTAL CAPACITY (BTUH)	SENSIBLE CAPACITY (BTUH)	DB (°F)	WB (°F)	DB (°F)	WB (°F)	EER	SEER	HGRH CAPACITY (MBH)	INPUT (BTUH)	OUTPUT (BTUH)	EAT (°F)	LAT (°F)	MCA (A)	MOCP (A)	(V)	(PH)	(HZ)	WEIGHT (LBS)	NOTES
RTU-2	TRANE	YSJ120A4S0M*	BOOKING	3,500	1.30	4.7	720	3,150	0.50	1.0	120,540	87,420	78.4	66.1	55.3	54.7	11.0	14.6	58.3	200,000.0 Btu/h	162,000	53.0	95.3	33.0	45	460	3	60	1,400	1 THRU 8, 10
RTU-6	TRANE	YHJ210A4S0M	KITCHEN	5,600	1.00	3.1	1,385	5,040	0.50	1.0	209,080	147,700	80.3	67.0	55.3	54.5	11.6	15.7	132.5	320,000.0 Btu/h	259,200	54.8	97.0	49.0	60	460	3	60	2,115	1 THRU 10

1. SCROLL COMPRESSORS, HIGH & LOW PRESSURE SWITCHES. SOLID STATE HEAD PRESSURE CONTROL (FAN SPEED). LOW AMBIENT CONTROL.
2. EVAPORATOR FREEZE STAT & ISOLATION RELAY. CRANKCASE HEATER, START ASSIST RELAY, EXTERNAL SERVICE VALVES, TXV, SHORT CYCLE PROTECTION, REFRIGERANT FILTER DRYER.
3. SINGLE POINT AHU POWER CONNECTION, TOTALLY ENCLOSED BALL BEARING OUTDOOR FAN MOTOR.
4. PROVIDE 7 DAY PROGRAMMABLE CONTROLS PROTOCOL COMPATIBLE THERMOSTAT WITH EPROM MEMORY IN NON-SECURE AREAS. IN SECURE AREAS TEMPERATURE AND HUMIDITY SENSORS ARE TO BE INSTALLED IN RETURN/EXHAUST AIR DUCTWORK.
5. UNIT MOUNTED DISCONNECT BY MANUFACTURER THROUGH THE BASE UTILITIES CURB EXTENSION AND ROOF CURB. FILTER RACK.
6. ECONOMIZER WITH POWER EXHAUST/ RELIEF.
7. MOTORIZED OUTSIDE AIR DAMPER.
8. PROVIDE LEVEL A SECURITY BARS IN DUCTWORK AT EACH ROOF PENETRATION.
9. HOT GAS REHEAT WITH HUMIDITY SENSOR.
10. ECONOMIZER WITH POWERED EXHAUST RELIEF FAN.

SPLIT SYSTEM OUTDOOR UNIT SCHEDULE

TAG	MANUFACTURER	MODEL NUMBER	LOCATION	AMBIENT AIR TEMPERATURE (°F)	ELECTRICAL DATA MCA (A)	MOCP (A)	SERVICE V	PH	HZ	REFRIGERANT	WEIGHT (LBS)	NOTES
ODU-1	MITSUBISHI	PUY-A12NKA7	ROOF	95.0	11	28	208	1	60	R-410A	96	1,2,3,4
ODU-2	MITSUBISHI	PUY-A12NKA7	ROOF	95.0	11	28	208	1	60	R-410A	96	1,2,3,4
ODU-3	MITSUBISHI	PUY-A24NKA7	ROOF	95.0	19	26	208	1	60	R-410A	96	1,2,3,4

NOTES (APPLIES TO AC AND ODU UNITS):
1. CAPACITY BASED ON INDOOR AND OUTDOOR UNITS OPERATING TOGETHER WITH AN OUTSIDE AMBIENT AIR TEMPERATURE OF 95°F SUMMER, 47°F WINTER. ENTERING AIR TEMP COOLING: 80/67, ENTERING AIR TEMP WINTER: 70°F SET THERMOSTAT TO 75F COOLING AND 70F HEATING.
2. UNIT TO HAVE R-410A. REFRIGERANT PIPING BETWEEN THE INDOOR AND OUTDOOR UNIT SHALL BE SIZED BY AC-UNIT MANUFACTURER. ALL VALVES AND FITTINGS REQUIRED TO COMPLY WITH AC-UNIT MANUFACTURERS INSTALLATION INSTRUCTIONS SHALL BE PROVIDED. INSTALL IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS FOR "LONG LINE" APPLICATION IF NECESSARY. INDOOR UNIT POWERED BY OUTDOOR UNIT VIA CONNECTING CABLE.
3. INCLUDE THE FOLLOWING OPTIONS: LOW AMBIENT CONTROLLER, CRANKCASE HEATER, WINTER START KIT, ISOLATION RELAY, HIGH AND LOW PRESSURE SWITCHES, DISCONNECT SWITCHES PROVIDED BY DIV 26.
4. REMOTE THERMOSTAT.

SPLIT SYSTEM INDOOR UNIT SCHEDULE

TAG	LOCATION	SUPPLY AIR (CFM)	MANUFACTURER	MODEL NUMBER	TOTAL CAPACITY (BTUH)	INDOOR EAT (°F) DB	WB	ELECTRICAL DATA MCA (A)	SERVICE V	PH	HZ	WEIGHT (LBS)
AC-1	DATA 118	335	MITSUBISHI	PKA-12	12000	80	67	1.0	208	1	60	23
AC-2	DATA S109	335	MITSUBISHI	PKA-12	12000	80	67	1.0	208	1	60	23
AC-3	SECURITY ELECT. SE001	705	MITSUBISHI	PKA-24	24000	80	67	1.0	208	1	60	23

ROOFTOP UNIT SCHEDULE (ELECTRIC HEAT)

				SUPPLY FAN				EXHAUST/RELIEF FAN			DX COOLING COIL								ELECTRIC HEATING COIL		ELECTRICAL DATA							
													EAT				LAT								SERVICE			
TAG	MANUFACTURER	MODEL NUMBER	SERVING	DESIGN AIRFLOW (CFM)	ESP (IN WC)	MOTOR SIZE (HP)	OUTSIDE AIRFLOW (CFM)	DESIGN AIRFLOW (CFM)	ESP (IN WC)	MOTOR SIZE (HP)	TOTAL CAPACITY (BTUH)	SENSIBLE CAPACITY (BTUH)	DB (°F)	WB (°F)	DB (°F)	WB (°F)	EER	SEER	CAPACITY (KW)	EAT (°F)	LAT (°F)	MCA (A)	MOCP (A)	(V)	(PH)	(HZ)	WEIGHT (LBS)	NOTES
RTU-1	TRANE	TSJ150A4S0G*	MAGISTRATE	4,375	1.50	4.7	1,100	3,935	0.20	1.0	147,870	117,150	79.6	65.4	54.9	54.0	11.0	14.7	18	50.0	62.0	40.0	50	460	3	60	1,600	1,2

NOTES:
1. ECONOMIZER, ROOF CURB, UNIT MOUNTED DISCONNECT BY FACTORY, ELECTRIC HEAT, HIGH STATIC. THROUGH THE BASE ELECTRICAL, CONDENSATE LEVEL DEVICE.
2. PROVIDE LEVEL A SECURITY BARS IN DUCTWORK AT EACH ROOF PENETRATION. LON OR BACNET INTERFACE.
3. PROVIDE HOT GAS REHEAT WITH HUMIDITY SENSOR.

PACKAGED GAS PACK UNIT SCHEDULE

				SUPPLY FAN				DX COOLING COIL					GAS HEATING SECTION				ELECTRICAL DATA						
									EAT		LAT									SERVICE			
TAG	MANUFACTURER	MODEL NUMBER	SERVING	DESIGN AIRFLOW (CFM)	ESP (IN WC)	MOTOR SIZE (HP)	OUTSIDE AIRFLOW (CFM)	TOTAL CAPACITY (BTUH)	DB (°F)	WB (°F)	DB (°F)	WB (°F)	INPUT (BTUH)	OUTPUT (BTUH)	EAT (°F)	LAT (°F)	MCA (A)	MOCP (A)	(V)	(PH)	(HZ)	WEIGHT (LBS)	NOTES
RTU-3	TRANE	4YCC4030A1070A	MEDICAL SUITE	735	0.55	0.5	150	28,200	79.0	65.0	55.0	54.5	70,000	56700	56.0	86.0	22.6	35	208	1	60	400	1 THRU 7
RTU-4	TRANE	4YCC4042A1060A	LAUNDRY	1,180	0.50	0.3	180	40,500	81.0	66.0	55.0	54.5	60,000	48600	59.0	89.0	28.5	45	208	1	60	400	1 THRU 7
RTU-5	TRANE	4YCC4030A1070A	MULTIPURPOSE	730	0.55	0.5	150	28,200	79.0	65.0	55.0	54.5	70,000	56700	56.0	86.0	22.6	35	208	1	60	400	1 THRU 7
RTU-7	TRANE	4YCC4030A1070A	CONTROL ROOM	760	0.55	0.5	145	28,200	79.0	65.0	55.0	54.5	70,000	56700	56.0	86.0	22.6	35	208	1	60	400	1 THRU 7

NOTES:
1) SCROLL COMPRESSORS, HIGH & LOW PRESSURE SWITCHES. SOLID STATE HEAD PRESSURE CONTROL (FAN SPEED). LOW AMBIENT CONTROL.
2) EVAPORATOR FREEZE STAT & ISOLATION RELAY. CRANKCASE HEATER, START ASSIST RELAY, EXTERNAL SERVICE VALVES, TXV, SHORT CYCLE PROTECTION, REFRIGERANT FILTER DRYER.
3) SINGLE POINT AHU POWER CONNECTION, TOTALLY ENCLOSED BALL BEARING OUTDOOR FAN MOTOR.
4) PROVIDE 7 DAY PROGRAMMABLE CONTROLS PROTOCOL COMPATIBLE THERMOSTAT WITH EPROM MEMORY.
5) UNIT MOUNTED DISCONNECT BY MANUFACTURER. THROUGH THE BASE UTILITIES CURB EXTENSION AND ROOF CURB. FILTER RACK.
6) PROVIDE LEVEL A SECURITY BARS IN DUCTWORK AT EACH ROOF PENETRATION.
7) MOTORIZED OUTSIDE AIR DAMPER.

GRILLE, REGISTER, & DIFFUSER SCHEDULE

TAG	MANUFACTURER	MODEL NUMBER	MOUNTING STYLE	NECK SIZE	FACE SIZE	MAX NC LEVEL	NOTES
CD-1	PRICE	SPD	LAY-IN	6"	24x24	25	1
CD-2	PRICE	SPD	LAY-IN	8"	24x24	25	1
CD-4	PRICE	SPD	LAY-IN	10	24x24	25	1
CD-5	PRICE	SCDA	LAY-IN	8"	24x24	25	1,4
CD-6	PRICE	SCDA	LAY-IN	10"	24x24	25	1,4
CD-7	PRICE	510	LAY-IN	22x22	24x24	25	1
CD-8	PRICE	SPD	LAY-IN	15"	24x24	36	1
E1	PRICE	530	SURFACE	6x6	8x8	25	1,2
E2	PRICE	530	LAY-IN	6"	24x24	25	1,2
E3	PRICE	PDDR	LAY-IN	8"	24x24	25	1
E4	PRICE	PDDR	LAY-IN	10"	24x24	25	1
E5	PRICE	PDDR	LAY-IN	12"	24x24	25	1
E6	PRICE	MSLP	SURFACE	18x18	20"x20"	25	5
E7	PRICE	PDDR	LAY-IN	22x22	24x24	25	1
E8	PRICE	MSPG	LAY-IN	18x18	20"x20"	25	2,3
E9	PRICE	MSD	LAY-IN	18x18	24x24	25	1
E10	PRICE	530	LAY-IN	18x18	24x24	25	1
E11	PRICE	MSLP	LAY-IN	22x22	24x24	25	5
E12	PRICE	530	SURFACE	8x8	10x10	25	1
M1	PRICE	MSPG	SURFACE	6x6	8x8	25	2,3
M2	PRICE	MSPG	SURFACE	8x8	10x10	25	2,3
M3	PRICE	MSPG	SURFACE	10x10	12x12	25	2,3
M4	PRICE	MSPG	SURFACE	12x12	14x14	25	2,3
M5	PRICE	MSD	LAY-IN	18x18	24x24	25	1
M6	PRICE	MSPG	SURFACE	16x16	18x18	25	2,3
M7	PRICE	SPD	LAY-IN	6"	12x12	25	1
M8	PRICE	510	DUCT	18x18	20"x20"	25	1
M9	PRICE	510	DUCT	6x6	8x8	25	1
R1	PRICE	530	LAY-IN	22x22	24x24	25	1
R2	PRICE	530	SURFACE	14x10	16x12	25	1
R3	PRICE	MSPG	SURFACE	6x6	8x8	25	2,3
R4	PRICE	MSPG	SURFACE	8x8	10x10	25	2,3
R5	PRICE	MSPG	SURFACE	10x10	12x12	25	2,3
R6	PRICE	MSPG	SURFACE	12x12	14x14	25	2,3
R7	PRICE	MSPG	SURFACE	14x14	16x16	25	2,3
R8	PRICE	530	SURFACE	12x8	14x10	25	1
SG-1	PRICE	520	SURFACE	10x10	12x12	25	1
SG-2	PRICE	520	SURFACE	22x8	24x10	25	1
SG-3	PRICE	520	SURFACE	10x6	12x8	25	1
SG-4	PRICE	520	SURFACE	12x8	14x10	25	1

NOTES:
1. PROVIDE WITH BORDER TYPE 3 FOR LAY-IN & BORDER TYPE 1 FOR CEILING/SURFACE MOUNTED. PROVIDE PLASTER FRAME WHEN SURFACE MOUNTED (IF AVAILABLE). COORDINATE WITH ARCHITECTURAL TO DETERMINE WHICH GRILLES/DIFFUSERS WILL BE SURFACE MOUNTED OR LAY-IN.
2. INCLUDE OPPOSED BLADE DAMPER, ACCESSIBLE THROUGH GRILLE WHERE AVAILABLE. DAMPER MAY BE OMITTED ON SMOKE EXHAUST SYSTEMS WHERE DRAWINGS INDICATE A SMOKE CONTROL MANUAL BALANCING DAMPER IS TO BE INSTALLED IN RUNOUT SERVING GRILLE.
3. INCLUDE FACE OPERATED DAMPER, STEEL CONSTRUCTION WITH MOUNTING ANGLE FRAME. DAMPER MAY BE OMITTED ON SMOKE EXHAUST SYSTEMS WHERE DRAWINGS INDICATE A SMOKE CONTROL MANUAL BALANCING DAMPER IS TO BE INSTALLED IN RUNOUT SERVING GRILLE.
4. VERTICAL THROW PATTERN.
5. PROVIDE FIELD FABRICATED FLANGE THE SAME SIZE AS THE DUCT. ATTACH FLANGE TO GRILLE BY FACTORY MOUNTING HOLES WITH TAMPER PROOF SCREWS. SCREWS TO BE SAME COLOR AS GRILLE FINISH (WHITE).

FAN SCHEDULE

TAG	MANUFACTURER	MODEL NUMBER	SERVING	TYPE	AIRFLOW (CFM)	ESP (IN WC)	FAN WHEEL (RPM)	DRIVE TYPE	SONES	DBA	CONTROL METHOD	MOTOR (HP)	ELECTRICAL DATA (V)	(PH)	(HZ)	WEIGHT (LBS)	NOTES
DEF-1	Greenheck	CUE-090-E	DISHWASHER	UPBLAST	600	0.35	1671	DIRECT	8.4		DISHWASHER INTERLOC	1/6	120	1	60	30	1,2,6
EF-1	Greenheck	G-060-VG	MAGISTRATE BREAK	ROOF	100	0.35	1693	DIRECT	4.3		WALL SWITCH	1/15	120	1	60	25	1,2,6
EF-2	Greenheck	G-060-VG	TOILET	ROOF	70	0.30	1491	DIRECT	3.2		LIGHT INTERLOCK	1/15	120	1	60	25	1,2,6
EF-3	Greenheck	G-060-VG	TOILET P103	ROOF	70	0.30	1491	DIRECT	3.2		LIGHT INTERLOCK	1/15	120	1	60	25	1,2,6
EF-4	Greenheck	G-060-VG	TOILET P116	ROOF	70	0.30	1491	DIRECT	3.2		LIGHT INTERLOCK	1/15	120	1	60	25	1,2,6
EF-5	Greenheck	G-090-VG	TOILETS AD017 & AD019	ROOF	570	0.40	1603	DIRECT	7.8		BMS	1/10	120	1	60	30	1,2,6
EF-6	Greenheck	G-060-VG	STAFF BREAK AD008	ROOF	100	0.35	1693	DIRECT	4.3		WALL SWITCH	1/15	120	1	60	25	1,2,6
EF-7	Greenheck	G-060-VG	TOILET M008	ROOF	120	0.30	1670	DIRECT	4.2		BMS	1/15	120	1	60	25	1,2,6
EF-8	Greenheck	G-070-VG	TOILETS K106, K107, JC K111	ROOF	210	0.35	1570	DIRECT	4.5		BMS	1/15	120	1	60	25	1,2,6
EF-9	Greenheck	G-060-VG	TOILETS P111, P112	ROOF	100	0.30	1595	DIRECT	3.8		BMS	1/15	120	1	60	25	1,2,6
EF-10	Greenheck	G-090-VG	PROPERTY STORAGE P113	ROOF	425	0.35	1347	DIRECT	5.8		BMS	1/10	120	1	60	30	1,2,6
EF-11	Greenheck	G-060-VG	TOILET CR003	ROOF	70	0.30	1491	DIRECT	3.2		LIGHT INTERLOCK	1/15	120	1	60	25	1,2,6
EF-12	Greenheck	G-070-VG	ELECT. S10	ROOF	300	0.30	1709	DIRECT	6		THERMOSTAT	1/15	120	1	60	25	1,2,6
EF-13	Greenheck	G-090-VG	ELECT. S102	ROOF	520	0.35	1480	DIRECT	6.8		THERMOSTAT	1/10	120	1	60	35	1,2,6
EF-14	Greenheck	G-095-VG	MECHANICAL S103	ROOF	700	0.35	4861	DIRECT	8		THERMOSTAT	1/6	120	1	60	40	1,2,6
EF-15	Greenheck	G-070-VG	JC S107, P110	ROOF	140	0.35	1459	DIRECT	3.8		BMS	1/15	120	1	60	25	1,2,6
EF-16	Greenheck	G-060-VG	ELECTRIC ROOM	ROOF	100	0.35	1693	DIRECT	4.3		THERMOSTAT	1/15	120	1	60	25	1,2,6
EF-17	Greenheck	G-060-VG	TOILET 104	ROOF	70	0.30	1491	DIRECT	3.2		LIGHT INTERLOCK	1/15	120	1	60	25	1,2,6
KEF-1	CaptiveAire	DU180HFA	KITCHEN HOOD LEFT	ROOF	2,205	2.00	1347	DIRECT	18.5		HOOD INTERLOCK	2.0	208	3	60	190	4,6
KEF-2	CaptiveAire	DU180HFA	KITCHEN HOOD RIGHT	ROOF	1,785	1.75	1245	DIRECT	16.1		HOOD INTERLOCK	2.0	208	3	60	190	4,6
SEF-1	Greenheck	TBI-FS-5H30-150	GEN POP D021	TUBE AXIAL	16,200	1.50	2128	BELT		98	FIRE ALARM	15	460	3	60	740	3,6
SEF-2	Greenheck	TBI-FS-5H30-150	GEN POP C021	TUBE AXIAL	16,200	1.50	2128	BELT		98	FIRE ALARM	15	460	3	60	740	3,6
SEF-3	Greenheck	TBI-FS-5H30-150	GEN POP G021	TUBE AXIAL	16,200	1.50	2128	BELT		98	FIRE ALARM	15	460	3	60	740	3,6
SEF-4	Greenheck	TBI-FS-5H30-150	GEN POP H021	TUBE AXIAL	16,200	1.50	2128	BELT		98	FIRE ALARM	15	460	3	60	740	3,6
SEF-5	Greenheck	CUBE-200-30	SEGREGATION B008	UPBLAST	5,060	1.00	1177	BELT	21		FIRE ALARM	3	460	3	60	160	3,6
SEF-6	Greenheck	CUBE-200-30	SEGREGATION J009	UPBLAST	5,060	1.00	1177	BELT	21		FIRE ALARM	3	460	3	60	160	3,6
SEF-7	Greenheck	TBI-FS-3H24-50	BOOKING, HOLDING	TUBE AXIAL	7,375	1.25	1957	BELT		86	FIRE ALARM	5	460	3	60	235	3,6
SEF-8	Greenheck	CUBE-160-10	MEDICAL SUITE	UPBLAST	2,470	1.00	1248	BELT	15.4		FIRE ALARM	1.5	460	3	60	90	3,6
SEF-9	Greenheck	CUBE-180-20	LAUNDRY & MULTIPURPOSE	UPBLAST	4,555	1.20	4831	BELT	24		FIRE ALARM	3	460	3	60	160	3,6
SEF-10	Greenheck	TBI-FS-4H24-50	KITCHEN	TUBE AXIAL	7,575	1.20	2220	BELT		82	FIRE ALARM	5	460	3	60	450	3,6
SEF-11	Greenheck	CUBE-140-10	SALLYPORT S111	UPBLAST	2,195	1.20	1665	BELT	14.5		FIRE ALARM	1.5	460	3	60	100	3,6
SEF-12	Greenheck	CUBE-120-5	CONTROL ROOM CR001	UPBLAST	1,450	0.75	1559	BELT	15.2		FIRE ALARM	0.5	460	3	60	75	3,6
SEF-13	Greenheck	CUBE-200HP-30	PROPERTY STORAGE	UPBLAST	5,095	1.20	1534	BELT	27		FIRE ALARM	3	460	3	60	175	3,6
SEF-14	Greenheck	CUBE-180-20	CORRIDOR S104	UPBLAST	3,325	1.30	1282	BELT	16.8		FIRE ALARM	1.5	460	3	60	125	3,6
SSF-1	Greenheck	RBS-3L42-75	GEN POP D021	HOODED	13,425	1.00	835	BELT	48		FIRE

DOAS UNIT WITH ENTHALPY WHEEL SCHEDULE (ALTERNATE-1)

TAG	MFR	MODEL NUMBER	SERVING	SUPPLY FAN: DESIGN AIRFLOW (CFM)	SUPPLY FAN: ESP (IN WC)	SUPPLY FAN: WHEEL TYPE	SUPPLY FAN: FAN SPEED (RPM)	SUPPLY FAN: MOTOR(S) SIZE (HP)	SUPPLY FAN: MOTOR (BHP)	OUTSIDE AIR DEISGN AIRFLOW (CFM)	UNIT PRESSURIZATION DIFFERENTIAL (CFM)	EXHAUST FAN: DESIGN AIRFLOW (CFM)	EXHAUST FAN: ESP (IN WC)	EXHAUST FAN: WHEEL TYPE	EXHAUST FAN: FAN SPEED (RPM)	EXHAUST FAN: MOTOR SIZE (HP)	EXHAUST FAN: MOTOR (BHP)	ENTHALPY WHEEL: OUTDOOR AIR: DESIGN AIRFLOW (CFM)	OUTDOOR AIR: SUMMER: EAT (°F DB)	OUTDOOR AIR: SUMMER: EAT (°F WB)	OUTDOOR AIR: SUMMER: LAT (°F DB)	OUTDOOR AIR: SUMMER: LAT (°F WB)	OUTDOOR AIR: WINTER: EAT (°F DB)	OUTDOOR AIR: WINTER: EAT (°F WB)	OUTDOOR AIR: WINTER: LAT (°F DB)	OUTDOOR AIR: WINTER: LAT (°F WB)	ENTHALPY WHEEL: EXHAUST AIR: DESIGN AIRFLOW (CFM)	EXHAUST AIR: SUMMER: EAT (°F DB)	EXHAUST AIR: SUMMER: EAT (°F WB)	EXHAUST AIR: SUMMER: LAT (°F DB)	EXHAUST AIR: SUMMER: LAT (°F WB)	EXHAUST AIR: WINTER: EAT (°F DB)	EXHAUST AIR: WINTER: EAT (°F WB)	EXHAUST AIR: WINTER: LAT (°F DB)	EXHAUST AIR: WINTER: LAT (°F WB)	COOLING COIL: TOTAL CAPACITY (BTUH)	COOLING COIL: SENSIBLE CAPACITY (BTUH)	COOLING COIL: EAT (°F DB)	COOLING COIL: EAT (°F WB)	COOLING COIL: LAT (°F DB)	COOLING COIL: LAT (°F WB)	HEATING SECTION: INPUT CAPACITY (MBH)	HEATING SECTION: OUTPUT CAPACITY (MBH)	HEATING SECTION: EAT (°F)	HEATING SECTION: LAT (°F)	ELECTRICAL DATA: (V)	ELECTRICAL DATA: (PH)	ELECTRICAL DATA: (HZ)	MCA	MOCP	UNIT WEIGHT (LBS)	APPROX. CURB WEIGHT (LBS)	NOTES
DOAS-A1	TRANE	OAKD264A4-D1B400JR	DAYROOMS E21 & F21	6500	1.75		2052	7.5	6.38	6500	650	5850	1.25		1735	5.0	3.89	6500	93.7	73.5	81.3	67.7	21.0	21.0	53.0	42.6	5850	76.0	65.0	89.5	71.4	68.0	51.0	31.9	29.3	288700	198200	81.3	67.7	53.7	53.4	350.0	283.5	53.0	93.2	460	3	60	61.0 A	70 A	5666		1,2,3

NOTES:
1. ECONOMIZER, ROOF CURB, SINGLE POINT POWER CONNECTION WITH UNIT MOUNTED DISCONNECT BY FACTORY (THROUGH THE BASE ELECTRICAL). PROVIDE LEVEL A SECURITY BARS IN DUCTWORK AT EACH ROOF PENETRATION. UNIT TO BE ELECTRIC COOL/GAS HEAT (FURNACE), ENERGY RECOVERY WHEEL, HOT GAS REHEAT / DEHUMIDIFICATION, LON OR BACNET INTERFACE.
2. RETURN/EXHAUST AIR DUCT SMOKE DETECTOR FACTORY INSTALLED.
3. 18" TALL ROOF CURB.

DOAS UNIT WITH ENTHALPY WHEEL SCHEDULE (ALTERNATE-2, REDUNDANT DOAS UNIT)

TAG	MFR	MODEL NUMBER	SERVING	SUPPLY FAN: DESIGN AIRFLOW (CFM)	SUPPLY FAN: ESP (IN WC)	SUPPLY FAN: WHEEL TYPE	SUPPLY FAN: FAN SPEED (RPM)	SUPPLY FAN: MOTOR(S) SIZE (HP)	SUPPLY FAN: MOTOR (BHP)	OUTSIDE AIR DEISGN AIRFLOW (CFM)	UNIT PRESSURIZATION DIFFERENTIAL (CFM)	EXHAUST FAN: DESIGN AIRFLOW (CFM)	EXHAUST FAN: ESP (IN WC)	EXHAUST FAN: WHEEL TYPE	EXHAUST FAN: FAN SPEED (RPM)	EXHAUST FAN: MOTOR SIZE (HP)	EXHAUST FAN: MOTOR (BHP)	ENTHALPY WHEEL: OUTDOOR AIR: DESIGN AIRFLOW (CFM)	OUTDOOR AIR: SUMMER: EAT (°F DB)	OUTDOOR AIR: SUMMER: EAT (°F WB)	OUTDOOR AIR: SUMMER: LAT (°F DB)	OUTDOOR AIR: SUMMER: LAT (°F WB)	OUTDOOR AIR: WINTER: EAT (°F DB)	OUTDOOR AIR: WINTER: EAT (°F WB)	OUTDOOR AIR: WINTER: LAT (°F DB)	OUTDOOR AIR: WINTER: LAT (°F WB)	ENTHALPY WHEEL: EXHAUST AIR: DESIGN AIRFLOW (CFM)	EXHAUST AIR: SUMMER: EAT (°F DB)	EXHAUST AIR: SUMMER: EAT (°F WB)	EXHAUST AIR: SUMMER: LAT (°F DB)	EXHAUST AIR: SUMMER: LAT (°F WB)	EXHAUST AIR: WINTER: EAT (°F DB)	EXHAUST AIR: WINTER: EAT (°F WB)	EXHAUST AIR: WINTER: LAT (°F DB)	EXHAUST AIR: WINTER: LAT (°F WB)	COOLING COIL: TOTAL CAPACITY (BTUH)	COOLING COIL: SENSIBLE CAPACITY (BTUH)	COOLING COIL: EAT (°F DB)	COOLING COIL: EAT (°F WB)	COOLING COIL: LAT (°F DB)	COOLING COIL: LAT (°F WB)	HEATING SECTION: INPUT CAPACITY (MBH)	HEATING SECTION: OUTPUT CAPACITY (MBH)	HEATING SECTION: EAT (°F)	HEATING SECTION: LAT (°F)	ELECTRICAL DATA: (V)	ELECTRICAL DATA: (PH)	ELECTRICAL DATA: (HZ)	MCA	MOCP	UNIT WEIGHT (LBS)	APPROX. CURB WEIGHT (LBS)	NOTES
DOAS-A2	TRANE	OAKD264A4-D1B400JR	DOAS-1,2 & A1	6500	175.00		2052	7.5	6.38	5850	650	5850	1.25		1735	5.0	3.89	6500	93.7	73.2	81.3	67.7	21.0	21.0	53.0	42.6	5850	76.0	65.0	89.5	71.4	68.0	51.0	31.9	29.3	350	284	81.3	67.7	53.7	53.4	288700.0	198200.0	53.0	93.2	460	3	60	61.0 A	70 A	5333		1,2,3

NOTES:
1. ECONOMIZER, ROOF CURB, SINGLE POINT POWER CONNECTION WITH UNIT MOUNTED DISCONNECT BY FACTORY (THROUGH THE BASE ELECTRICAL). PROVIDE LEVEL A SECURITY BARS IN DUCTWORK AT EACH ROOF PENETRATION. UNIT TO BE ELECTRIC COOL/GAS HEAT (FURNACE), ENERGY RECOVERY WHEEL, HOT GAS REHEAT / DEHUMIDIFICATION, LON OR BACNET INTERFACE.
2. RETURN/EXHAUST AIR DUCT SMOKE DETECTOR FACTORY INSTALLED.
3. 18" TALL ROOF CURB.

FAN SCHEDULE (ALTERNATE-1)

TAG	MANUFACTURER	MODEL NUMBER	SERVING	TYPE	AIRFLOW (CFM)	ESP (IN WC)	FAN WHEEL (RPM)	DRIVE TYPE	SONES	DBA	CONTROL METHOD	MOTOR (HP)	ELECTRICAL DATA (V)	ELECTRICAL DATA (PH)	ELECTRICAL DATA (HZ)	WEIGHT (LBS)	NOTES
SEF-A1	Greenheck	TBI-FS-SH30-150	GEN POP E021	TUBE AXIAL	16,200	1.50	2128	BELT		98	FIRE ALARM	15	460	3	60	740	1,2,3
SEF-A2	Greenheck	TBI-FS-SH30-150	GEN POP F021	TUBE AXIAL	16,200	1.50	2128	BELT		98	FIRE ALARM	15	460	3	60	740	1,2,3
SSF-A1	Greenheck	RBS-3L42-75	GEN POP E021	HOODED	13,425	1.00	835	BELT	48		FIRE ALARM	7.5	460	3	60	740	1,2,3
SSF-A2	Greenheck	RBS-3L42-75	GEN POP F021	HOODED	13,425	1.00	835	BELT	48		FIRE ALARM	7.5	460	3	60	740	1,2,3

1. PROVIDE FAN WITH FUSED DISCONNECT SWITCH, GRAVITY BACKDRAFT DAMPER, ROOF CURB (IF ROOF MTD), SPEED CONTROLLER AND V/BRATION ISOLATORS.
2. PROVIDE LEVEL A SECURITY BARS IN DUCTWORK AT EACH ROOF PENETRATION. FAN STARTERS AND DISCONNECTS BY DIVISION 26. ASSOCIATED MOTORIZED DAMPER IS 120V, 2-POSITION, FAIL OPEN WITH END SWITCH. PROVIDE DIFFERENTIAL PRESSURE (AIRFLOW) SWITCH. INCLUDE MINIMUM OF 1.5 TIMES NUMBER OF BELTS REQUIRED, MINIMUM OF 2. EXHAUST FANS MUST BE LISTED IN UL DIRECTORY UNDER "POWER VENTILATORS FOR SMOKE CONTROLS SYSTEM" WITH MOTORIZED DAMPER. COORDINATE POSITION MONITORING OF MOTORIZED DAMPER WITH DIV 26. DAMPER AND FAN CONTROL BY FIRE ALARM PANEL/SYSTEM.
3. PROVIDE LEVEL A SECURITY BARS IN DUCTWORK AT EACH ROOF PENETRATION.

MAKE-UP AIR UNIT SCHEDULE (DX, GAS)

TAG	MANUFACTURER	MODEL	SERVING	AIR FLOW (CFM)	FAN SPEED (RPM)	MOTOR (HP)	ESP (IN WC)	SONES	Cooling Entering Dry Bulb Temperature	Cooling Entering Wet Bulb Temperature	Leaving Air Temperature Cooling	Leaving Air Temperature Cooling WB	Cooling Total Capacity	Cooling Sensible Capacity	DIRECT GAS BURNER: EAT (°F)	DIRECT GAS BURNER: LAT (°F)	DIRECT GAS BURNER: INPUT CAPACITY (BTUH)	DIRECT GAS BURNER: OUTPUT CAPACITY (BTUH)	CONTROLLED BY	MCA	MOCP	ELECTRICAL DATA: SERVICE: V	ELECTRICAL DATA: SERVICE: PH	ELECTRICAL DATA: SERVICE: HZ	WEIGHT (LBS)	NOTES
MAU-1	CaptiveAire	A2-D.500-20D-MPU	KITCHEN HOODS	3,279	1474	3.0	0.70	13.7	91.00 °F	73.00 °F	76.10 °F	69.80 °F	77,000.0 Btu/h	51,500.0 Btu/h	19	69	189,602	174,434	HOOD INTERLOCK	11.9 A	20 A	208	3	60	1530	1,2

NOTES:
1. FUSED FACTORY DISCONNECT SWITCH, 2" WASHABLE FILTERS, NATURAL GAS BURNER, CONTROLLED BY HOOD PANEL (FAN STARTER IN HOOD), BACKDRAFT DAMPER.
2. PROVIDE LEVEL A SECURITY BARS IN DUCTWORK AT ROOF PENETRATION.

TERMINAL UNIT SCHEDULE (ELECTRIC REHEAT)

TAG	MANUFACTURER	MODEL NUMBER	AIR VALVE: INLET DIAMETER (IN)	AIR VALVE: MAXIMUM AIRFLOW (CFM)	AIR VALVE: MINIMUM AIRFLOW (CFM)	AIR VALVE: APD AT MAX AIR FLOW (IN-WC)	COIL: HEATING AIRFLOW (CFM)	COIL: CAPACITY (KW)	COIL: STAGES	COIL: EAT (°F)	COIL: LAT (°F)	FLA	ELECTRICAL: MOCP (A)	ELECTRICAL: SERVICE: V	ELECTRICAL: SERVICE: PH	ELECTRICAL: SERVICE: HZ	WEIGHT (LBS)	NOTES
VAV-1	TRANE	VCEF	6	350	105	0.11	170	2.0	2	55	92.0	7.2 A	15	277	1	60	63	1 THRU 4
VAV-2	TRANE	VCEF	8	570	170	0.05	240	3.0	2	55	94.3	10.8 A	15	277	1	60	67	1 THRU 4
VAV-3	TRANE	VCEF	8	380	105	0.02	200	2.5	2	55	86.5	9.0 A	15	277	1	60	67	1 THRU 4
VAV-4	TRANE	VCEF	8	230	65	0.00	140	1.5	2	55	88.7	5.4 A	15	277	1	60	67	1 THRU 4
VAV-5	TRANE	VCEF	6	320	95	0.00	140	1.5	2	55	88.7	5.4 A	15	277	1	60	67	1 THRU 4
VAV-6	TRANE	VCEF	6	250	90	0.00	140	1.5	2	55	88.7	5.4 A	15	277	1	60	63	1 THRU 4
VAV-7	TRANE	VCEF	10	770	210	0.00	300	4.0	2	55	96.9	14.4 A	20	277	1	60	81	1 THRU 4
VAV-8	TRANE	VCEF	12	910	270	0.00	600	6.0	2	55	86.5	21.7 A	30	277	1	60	93	1 THRU 4
VAV-9	TRANE	VCEF	6	315	95	0.08	200	2.5	2	55	94.3	9.0 A	15	480	3	60	63	1 THRU 4

NOTES:
1. ACCEPTABLE ALTERNATES ARE BY ENVIRO-TEC AND TITUS.
2. PRESSURE INDEPENDENT WITH FOIL FACED LINER. INCLUDE DOOR INTERLOCK DISCONNECT, PROPORTIONAL CONTROL HEATING COIL AND CONTROLS TRANSFORMER. PROVIDE ATTENUATORS.
3. MINIMUM CFM INDICATED SHALL BE WITHIN THE MINIMUM RANGE OF THE DDC CONTROLLER.
4. MAX RADIATED SOUND LEVEL AT 2" INLET PRESSURE SHALL BE NC OF 35.

FIRE ALARM / SMOKE CONTROL MATRIX

EVENT ZONE	SMOKE DETECTOR SYSTEM ID TAG(S)	DUCT SMOKE DETECTOR SYSTEM ID TAG(S)	FLOW SWITCH SYSTEM ID TAG(S)	DAMPER: FAN DAMPERS OPEN	DAMPER: SMOKE DAMPERS CLOSE	EQUIPMENT: ON	EQUIPMENT: OFF
SMOKE ZONE 1	REFER TO PLANS	DSD-RTU-6,DSD-RTU-2	FS-1-1	D-SEF-14, D-SSF-14 .D-SSF-10, D-SEF-10, D-SEF-7, D-SSF-7, D-SSF-13, D-SEF-13	FSD-1	SSF-7, SEF-7, SSF-10, SEF-10, SSF-13, SEF-13, SSF-14, SEF-14	RTU-2, DOAS-4, RTU-6, MAU-1
SMOKE ZONE 2	REFER TO PLANS	DSD-DOAS-1, DSD-DOAS-3	FS-2-1	D-SSF-9, D-SEF-9, D-SSF-8, D-SEF-8, D-SSF-1, D-SEF-1, D-SSF-2, D-SEF-2, D-SSF-5, D-SEF-5, D-SSF-11, D-SEF-11, D-SSF-12, D-SEF-12, D-SSF-6, D-SEF-6	SD-A2-1, SD-A2-1	SSF-1, SEF-1, SSF-2, SEF-2, SSF-5, SEF-5, SSF-8, SEF-8, SSF-9, SEF-9, SSF-11, SEF-11, SSF-12, SEF-12	RTU-3, RTU-4, RTU-5, DOAS-3, RTU-7
SMOKE ZONE 3	REFER TO PLANS	DSD-DOAS-2, DSD-DOAS-A1, DSD-DOAS-A2	FS-3-1	D-SSF-3, D-SEF-3, D-SSF-4, D-SEF-4, D-SSF-A1, D-SEF-A1, D-SSF-A2, D-SEF-A2	SD-A2-1, SD-A2-1	SSF-3, SEF-3, SSF-4, SEF-4, SSF-A1, SEF-A1, SSF-A2, SEF-A2	DOAS-2, DOAS-A1, DOAS-A2

GENERAL NOTES:
A. THIS MATRIX IS ONLY FOR SMOKE CONTROL. REFER TO FIRE ALARM INPUT-OUTPUT MATRIX FOR COMPLETE OPERATION REQUIREMENTS.
B. DIV 28 SHALL PROVIDE EACH SMOKE SYSTEM FAN WITH FIRE ALARM CONTROL MODULE(S) TO ALLOW 'ON' AND 'OFF' CONTROL.
C. DIV 23 SHALL PROVIDE EACH SMOKE SYSTEM FAN WITH PRESSURE DIFFERENTIAL SWITCH. DIV 28 SHALL PROVIDE A MONITOR MODULE FOR THE DIFFERENTIAL PRESSURE SWITCH TO CONFIRM OPERATION. FAILURE SHALL CAUSE SUPERVISE CONDITION FOR DEVICE AND ZONE WHEN IN SMOKE MANAGEMENT MODE.
D. PROVIDE EACH SMOKE SYSTEM FAN AND SMOKE CONTROL DAMPER WITH POWER DISCONNECTING MEANS (DIV 26), VOLTAGE SENSING RELAY (DIV 26), AND TO CONFIRM POWER AVAILABLE. LOSS OF POWER SHALL CAUSE SUPERVISE CONDITION FOR DEVICE/EQUIPMENT AND SUPERVISE CONDITION FOR DEVICE AND ZONE AT ANY TIME.
E. DIV 28 SHALL PROVIDE EACH CONTROL DAMPER WITH FIRE ALARM CONTROL MODULE, FAIL TO INDICATED POSITION.
F. DIV 23 SHALL PROVIDE EACH CONTROL DAMPER WITH LIMIT SWITCH. DIV 28 SHALL PROVIDE MONITOR MODULE TO CONFIRM POSITION. FAILURE SHALL CAUSE SUPERVISE CONDITION FOR DEVICE AND ZONE WHEN IN SMOKE MANAGEMENT MODE.
G. DIV 28 SHALL PROVIDE MECH EQUIPMENT IN THE "OFF" COLUMN WITH FIRE ALARM CONTROL MODULE TO SHUT DOWN EQUIPMENT.
H. DIV 26 SHALL PROVIDE MECH EQUIPMENT IN THE "OFF" COLUMN WITH CURRENT SENSING RELAY AT LAST DISCONNECT MEANS, AND FIRE ALARM MONITOR MODULE TO CONFIRM CURRENT IS NOT FLOWING TO EQUIPMENT. PRESENCE OF CURRENT SHALL CAUSE TROUBLE CONDITION FOR EQUIPMENT AND ZONE DURING SMOKE CONTROL MODE.
I. FIREFIGHTERS MANUAL OVERRIDE PANEL SHALL CAUSE SMOKE CONTROL SYSTEM OPERATION AS INDICATED FOR A SMOKE DETECTOR IN THE AFFECTED ZONE, BUT SHALL NOT CAUSE ALARM CONDITION TO OCCUR (SUPERVISORY CONDITION SHALL OCCUR IN MANUAL OR OFF MODES).
J. MEASURE AND RECORD THE PRESSURE DIFFERENCE ACROSS EACH DOOR THAT SEPARATES THE SMOKE ZONE FROM ADJACENT ZONES. ADJUST SMOKE CONTROL FANS AS NECESSARY TO ACHIEVE THE FOLLOWING PRESSURE DIFFERENTIAL ACROSS THE BOUNDARIES: MIN PRESSURE DIFFERENTIAL: +0.05 IN. W.C. MAX PRESSURE DIFFERENTIAL: +0.08 IN. W.C.
K. DURING SMOKE CONTROL MODE, SMOKE FANS SHALL BE DELAYED 15 SECONDS SO THAT SMOKE CONTROL DAMPERS ARE SUFFICIENTLY OPEN TO PREVENT DEADHEADING OF FANS, TEST THIS OPERATION AND ADJUST DELAY AS REQUIRED.
L. MOTORIZED SMOKE CONTROL FAN DAMPERS ARE 120V, 2-POSITION.

REDUNDANT ALTERNATE DOAS-A2 DAMPER CONTROL SEQUENCE FOR BACK-UP TO DOAS-1, DOAS-2 AND DOAS-A1

NORMAL OPERATION:

DOAS-1: CONTROL DAMPERS CD-DOAS-1-1 AND CD-DOAS-1-2 OPEN. CONTROL DAMPERS CD-DOAS-1-3 AND CD-DOAS-1-4 CLOSED.
DOAS-2: CONTROL DAMPERS CD-DOAS-2-1 AND CD-DOAS-2-2 OPEN. CONTROL DAMPERS CD-DOAS-2-3 AND CD-DOAS-2-4 CLOSED.
DOAS-A1: CONTROL DAMPERS CD-DOAS-A1-1 AND CD-DOAS-A1-2 OPEN. CONTROL DAMPERS CD-DOAS-A1-3 AND CD-DOAS-A1-4 CLOSED.
DOAS-A2: OFF

BACK-UP MODE:

DOAS-A2 BACKS UP DOAS-1 (DOAS-1 OFF): CONTROL DAMPERS CD-DOAS-1-1 AND CD-DOAS-1-2 CLOSED. CONTROL DAMPERS CD-DOAS-1-3 AND CD-DOAS-1-4 OPEN. (DOAS-2 AND DOAS-A1 IN NORMAL OPERATION).
DOAS-A2 BACKS UP DOAS-2 (DOAS-2 OFF): CONTROL DAMPERS CD-DOAS-2-1 AND CD-DOAS-2-2 CLOSED. CONTROL DAMPERS CD-DOAS-2-3 AND CD-DOAS-2-4 OPEN. (DOAS-1 AND DOAS-A1 IN NORMAL OPERATION).
DOAS-A2 BACKS UP DOAS-A1 (DOAS-A1 OFF): CONTROL DAMPERS CD-DOAS-A1-1 AND CD-DOAS-A1-2 CLOSED. CONTROL DAMPERS CD-DOAS-A1-3 AND CD-DOAS-A1-4 OPEN. (DOAS-1 AND DOAS-2 IN NORMAL OPERATION)

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT SEAL 033520 01/12/ 29 TIMOTHY CARLSON

MOSELEY ARCHITECTS PROFESSIONAL CORPORATION C-3469 NORTH CAROLINA CHARLOTTE NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

SCHEDULES

M0.3

12/11/2023 11:47:04 AM

KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY [n]

1. PROVIDE SMOKE EXHAUST (HIGH HEAT) RATED VOLUME DAMPER FOR EACH EXHAUST GRILLE. TYPICAL.
2. PROVIDE VOLUME DAMPER FOR EACH DIFFUSER. TYPICAL.
3. PROVIDE MANUAL VOLUME DAMPER FOR EACH RETURN GRILLE.
4. INSTALL GRILLES AT 11'-0" AFF. TO BOTTOM OF GRILLE.
5. WATER HEATER 8" PVC OR POLYPROPYLENE AIR INTAKES AND EXHAUST FOR WATER HEATERS UP THROUGH ROOF. TERMINATIONS MIN 24" APART. ENSURE TERMINATIONS ARE AT LEAST 10 FEET FROM ANY AIR INTAKE AND TERMINATES AT LEAST 36" ABOVE ANY PARAPET, VERTICAL WALL OR STRUCTURE WITHIN 10 FEET.
6. REFRIGERANT LIQUID AND SUCTION PIPING UP TO ROOF MOUNTED CONDENSING UNIT.
7. 3/4" CONDENSATE PIPING UP THROUGH ROOF. SEE CONDENSATE TO ROOF DETAIL DRAWING.
8. PROVIDE 1/2" DEBRIS SCREEN OVER OPEN ENDED DUCT.
9. PROVIDE BELL MOUTH OPENING WITH FLANGED 1/2" DEBRIS SCREEN OVER OPEN ENDED DUCT.
10. BUILDING AUTOMATION SYSTEM (BAS) PANEL.
11. PROVIDE "PANT LEG" TYPE DUCT TRANSITION TO EXTEND EXHAUST DUCT TO DISHWASHER, INCLUDE TRANSITIONS TO CONNECT TO 4"X16" COLLARS ON DISHWASHER. SEE DISHWASHER EXHAUST DETAIL.
12. PROVIDE 36x14 LOUVER IN INTERGRAL DOOR FRAME OPENING. LOUVER TO HAVE MINIMUM 1.15 SQ FEET FREE AREA. LOUVER BASED ON RUSKIN ELF375DX OR APPROVED EQUAL.
13. PROVIDE 72x14 LOUVER IN INTERGRAL DOOR FRAME OPENING. PROVIDE INSULATED BLANK- OFF PANEL OVER UN-USED PORTION OF LOUVER. LOUVER BASED ON RUSKIN ELF375DX OR APPROVED EQUAL.
14. MOTORIZED DAMPER TO BE INTERLOCKED WITH ROOM EXHAUST FAN.

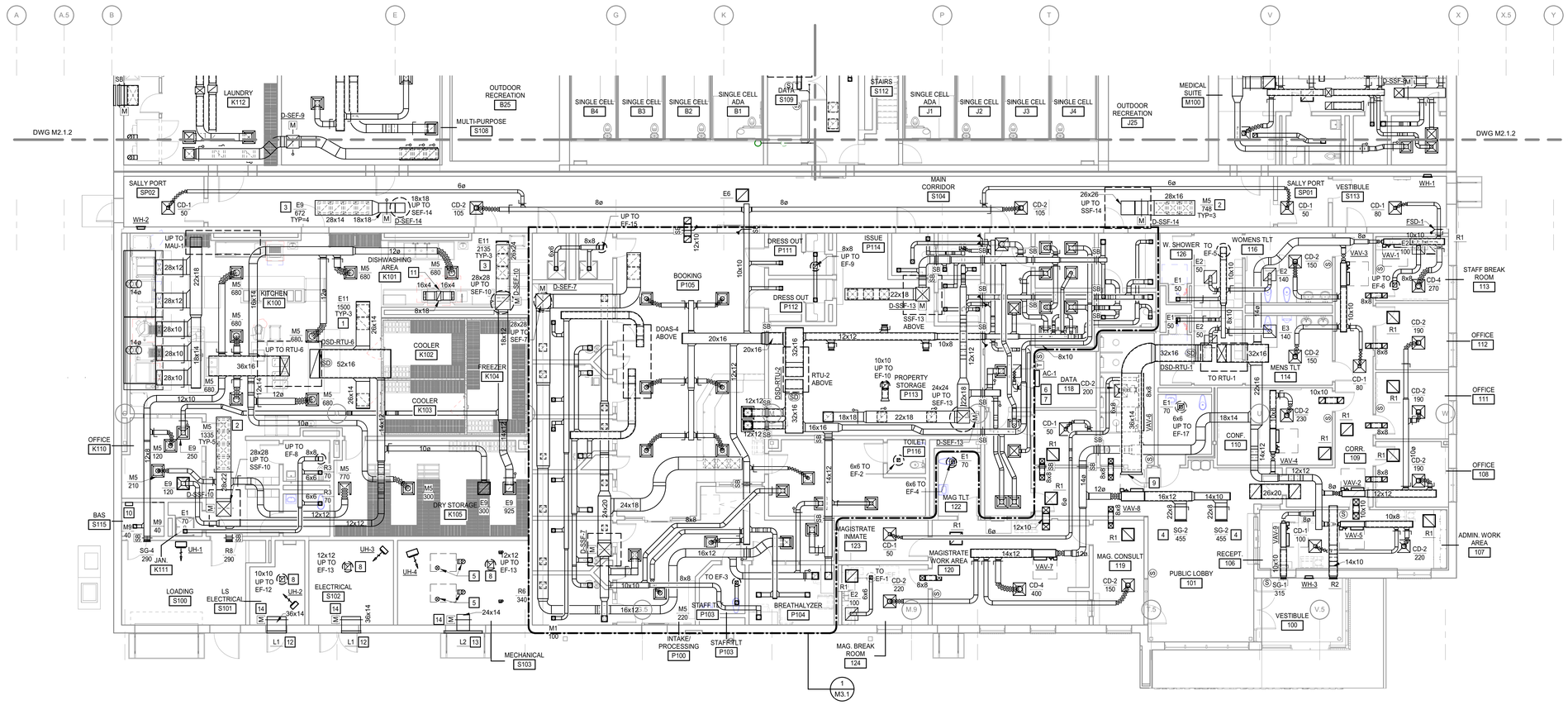
GENERAL NOTES

A. ALL DUCTWORK WHICH PASSES THROUGH ANY 1-HOUR FIRE PARTITION (AND IS NOT PROVIDED WITH A FIRE DAMPER) MUST BE CONSTRUCTED OF SHEET STEEL NOT LESS THAN NO. 26 GAUGE THICKNESS AND BE CONTINUOUS FROM THE AIR HANDLING APPLIANCE OR EQUIPMENT TO THE AIR OUTLET AND INLET TERMINALS PER 2018 NCSMC SECTION 717.5.4 (4).

B. COORDINATE SERVICE ACCESS FOR ALL MANUAL SMOKE CONTROL VOLUME DAMPERS, VOLUME DAMPERS, MOTORIZED DAMPERS AND ALL SERVICEABLE EQUIPMENT ABOVE SECURITY GYPSUM BOARD CEILINGS. DO NOT LOCATE ANY OF THE DEVICES ABOVE LIGHT FIXTURES, PIPES, CONDUITS, DUCTWORK ETC.

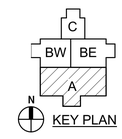
C. ALL GRILLES SHOWN WITHOUT A MANUAL VOLUME DAMPER SHALL HAVE THE VOLUME DAMPER ADJUSTABLE THRU THE FACE OF THE GRILLE. TYPICAL FOR GYPSUM BOARD AND SECURITY CEILINGS.

D. DUCT SMOKE DETECTORS ARE DIAGRAMMATIC IN NATURE AND SHOWN FOR CLARITY AND COORDINATION PURPOSES. DUCT SMOKE DETECTORS ARE FACTORY INSTALLED OPTIONS ON THE DOAS AND RTU UNITS. REFER TO SCHEDULE NOTES.



N

FIRST FLOOR PLAN - DUCTWORK PART A
1/8" = 1'-0"



KEY PLAN

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033520 2/12/23 JOSEPH P. CARLSON

MOSELEY ARCHITECTS PROFESSIONAL ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY, NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

FIRST FLOOR DUCTWORK PLAN - PART A

M2.1.1

12/11/2023 11:47:17 AM

KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY n

1. REFER TO DRAWING M4.1 FOR CELL SUPPLY AND EXHAUST DUCTWORK CONNECTION AND BALANCING DETAILS. TYPICAL FOR ALL CELLS.
2. 36x18 WALL LOUVER WITH MINIMUM 2.0 SQUARE FOOT FREE AREA. BASED ON RUSKIN ELF375DX DRAINABLE LOUVER OR APPROVED EQUAL. LOUVER TO BE INSTALLED AT APPROXIMATELY 11'-4" AFF WITH SECURITY BARS. REFER TO ARCHITECTURAL PLANS. TURN DOWN DUCTWORK SHALL TERMINATE AT APPROXIMATELY 10'-10" AFF. PROVIDE MOTORIZED DAMPER AND STEPDOWN TRANSFORMER AS REQUIRED. INTERLOCK MOTORIZED DAMPER WITH CLOTH DRYERS.
3. PROVIDE 8" ALUMINUM DRYER EXHAUST DUCT. INSTALL PER MECHANICAL DETAIL.
4. SMOKE EXHAUST AND MAKE-UP AIR DUCTS UP TO SEF-11 AND SSF-11 RESPECTIVELY.
5. 6x6 EXHAUST UP TO DOAS-1.
6. PROVIDE CONDENSATE CLEANOUTS AS SHOWN. PROVIDED THREADED CAPS AT CLEANOUT LOCATIONS. PITCH CONDENSATE PIPING 1/8" PER FOOT IN DIRECTION OF FLOW.
7. 1-1/4" CONDENSATE PIPING DOWN TO 2" ABOVE FLOOR DRAIN FOR AIR GAP.
8. 1-1/4" CONDENSATE DRAIN FROM AC-3 IN SECURITY ELECTRONICS ON LEVEL ABOVE. CONNECT CONDENSATE PIPING INTO VERTICAL PIPE.
9. REFRIGERANT LIQUID AND SUCTION PIPING UP TO ROOF MOUNTED CONDENSING UNIT.
10. PROVIDE SMOKE (HIGH HEAT) RATED VOLUME DAMPER FOR EACH GRILLE.
11. PROVIDE FIRE DAMPER IN FLOOR. DAMPER ACCESS WILL BE BY REMOVING THE EXAUST GRILLE.,

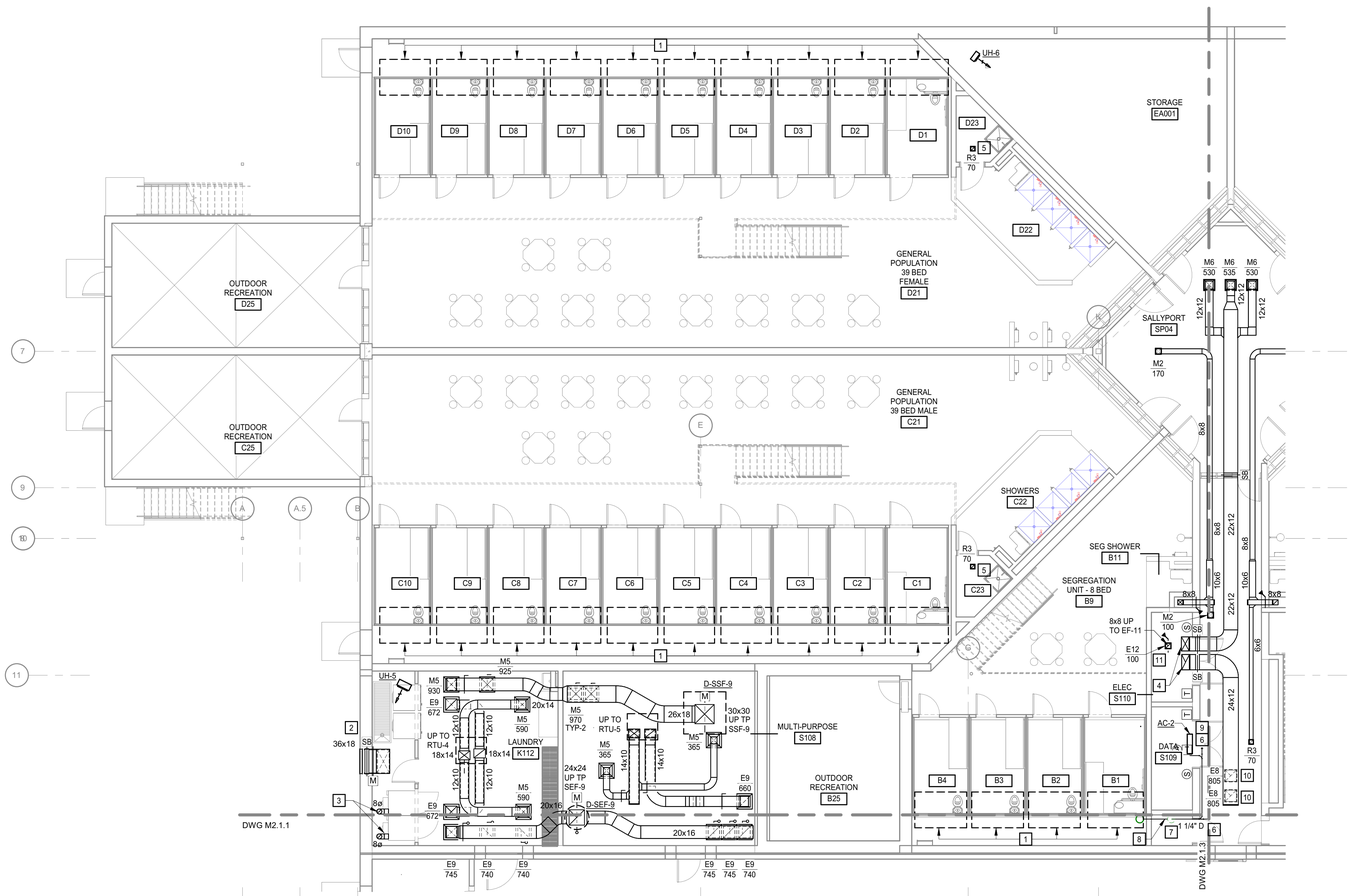
GENERAL NOTES

A. ALL DUCTWORK WHICH PASSES THROUGH ANY 1-HOUR FIRE PARTITION (AND IS NOT PROVIDED WITH A FIRE DAMPER) MUST BE CONSTRUCTED OF SHEET STEEL NOT LESS THAN NO. 26 GAUGE THICKNESS AND BE CONTINUOUS FROM THE AIR HANDLING APPLIANCE OR EQUIPMENT TO THE AIR OUTLET AND INLET TERMINALS PER 2018 NCSMC SECTION 717.5.4 (4).

B. COORDINATE SERVICE ACCESS FOR ALL MANUAL SMOKE CONTROL VOLUME DAMPERS, VOLUME DAMPERS, MOTORIZED DAMPERS AND ALL SERVICEABLE EQUIPMENT ABOVE SECURITY GYPSUM BOARD CEILINGS. DO NOT LOCATE ANY OF THE DEVICES ABOVE LIGHT FIXTURES, PIPES, CONDUITS, DUCTWORK ETC.

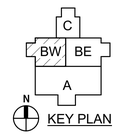
C. ALL GRILLES SHOWN WITHOUT A MANUAL VOLUME DAMPER SHALL HAVE THE VOLUME DAMPER ADJUSTABLE THRU THE FACE OF THE GRILLE. TYPICAL FOR GYPSUM BOARD AND SECURITY CEILINGS.

D. DUCT SMOKE DETECTORS ARE DIAGRAMMATIC IN NATURE AND SHOWN FOR CLARITY AND COORDINATION PURPOSES. DUCT SMOKE DETECTORS ARE FACTORY INSTALLED OPTIONS ON THE DOAS AND RTU UNITS. REFER TO SCHEDULE NOTES.



N

FIRST FLOOR PLAN - DUCTWORK PART BW
1/8" = 1'-0"



KEY PLAN

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA
SEAL
033520
2/12/ 23
ENGINEER
JUSTIN VP CARLSON

MOSELEY ARCHITECTS P.A.
NORTH CAROLINA
C-3469
CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO:	DATE:
621373	DECEMBER 12, 2023

REVISIONS

DATE	DESCRIPTION

FIRST FLOOR
DUCTWORK PLAN
- PART BW

M2.1.2

12/11/2023 11:47:23 AM

KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY [n]

1. REFER TO DRAWING M4.1 FOR CELL SUPPLY AND EXHAUST DUCTWORK CONNECTION AND BALANCING DETAILS. TYPICAL FOR ALL CELLS.
2. 6x6 EXHAUST UP TO DOAS-2.

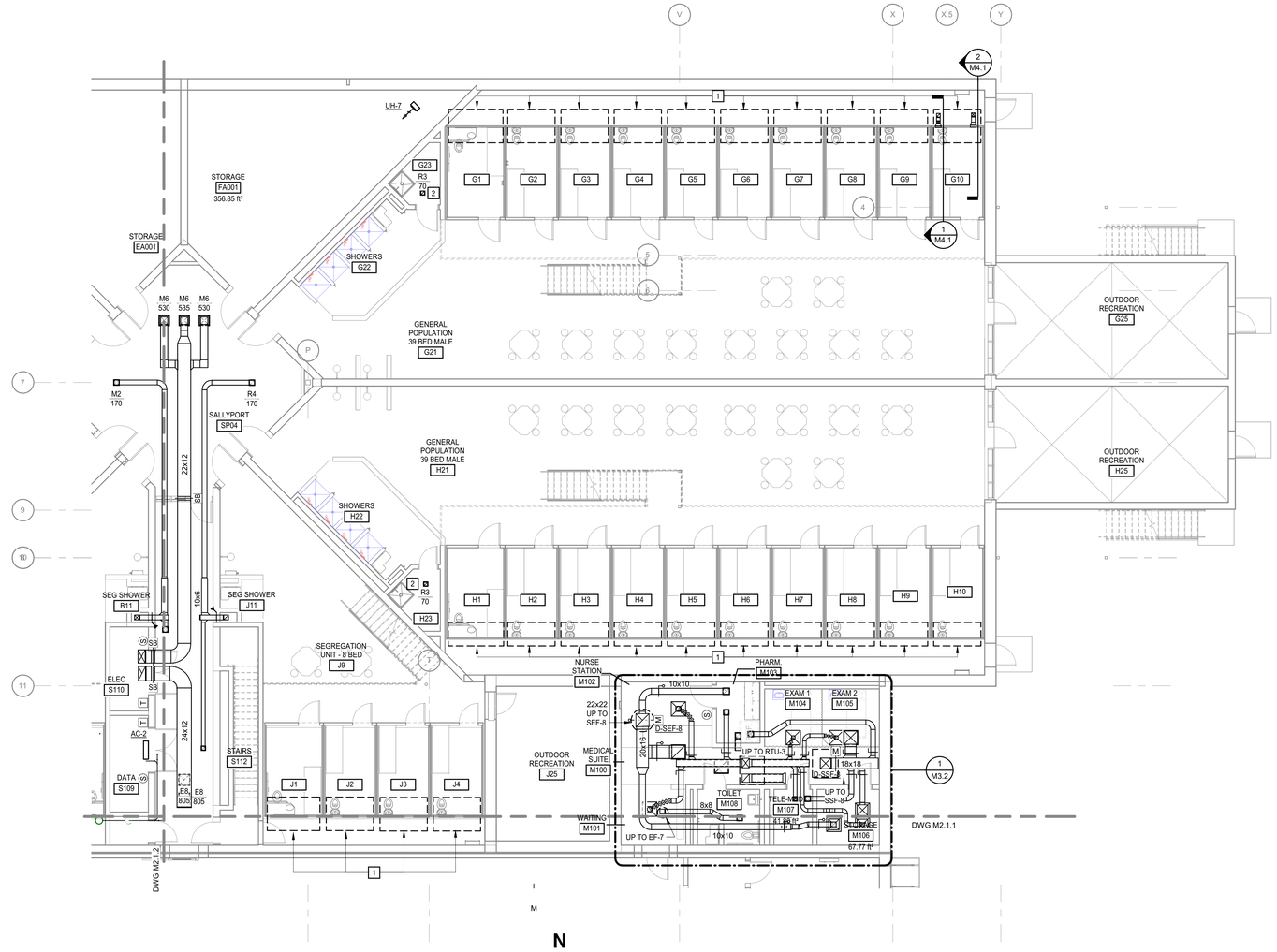
GENERAL NOTES

A. ALL DUCTWORK WHICH PASSES THROUGH ANY 1-HOUR FIRE PARTITION (AND IS NOT PROVIDED WITH A FIRE DAMPER) MUST BE CONSTRUCTED OF SHEET STEEL NOT LESS THAN NO. 26 GAUGE THICKNESS AND BE CONTINUOUS FROM THE AIR HANDLING APPLIANCE OR EQUIPMENT TO THE AIR OUTLET AND INLET TERMINALS PER 2018 NCSMC SECTION 717.5.4 (4).

B. COORDINATE SERVICE ACCESS FOR ALL MANUAL SMOKE CONTROL VOLUME DAMPERS, VOLUME DAMPERS, MOTORIZED DAMPERS AND ALL SERVICEABLE EQUIPMENT ABOVE SECURITY GYPSUM BOARD CEILINGS. DO NOT LOCATE ANY OF THE DEVICES ABOVE LIGHT FIXTURES, PIPES, CONDUITS, DUCTWORK ETC.

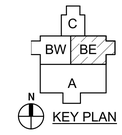
C. ALL GRILLES SHOWN WITHOUT A MANUAL VOLUME DAMPER SHALL HAVE THE VOLUME DAMPER ADJUSTABLE THRU THE FACE OF THE GRILLE. TYPICAL FOR GYPSUM BOARD AND SECURITY CEILINGS.

D. DUCT SMOKE DETECTORS ARE DIAGRAMMATIC IN NATURE AND SHOWN FOR CLARITY AND COORDINATION PURPOSES. DUCT SMOKE DETECTORS ARE FACTORY INSTALLED OPTIONS ON THE DOAS AND RTU UNITS. REFER TO SCHEDULE NOTES.



N

FIRST FLOOR PLAN - DUCTWORK PART BE
1/8" = 1'-0"



KEY PLAN

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033520 01/12/23 JUSTIN P CARLSON

MOSELEY ARCHITECTS PROFESSIONAL CORPORATION C-3469 NORTH CAROLINA CHARLOTTE NC

DUPLIN COUNTY DETENTION CENTER

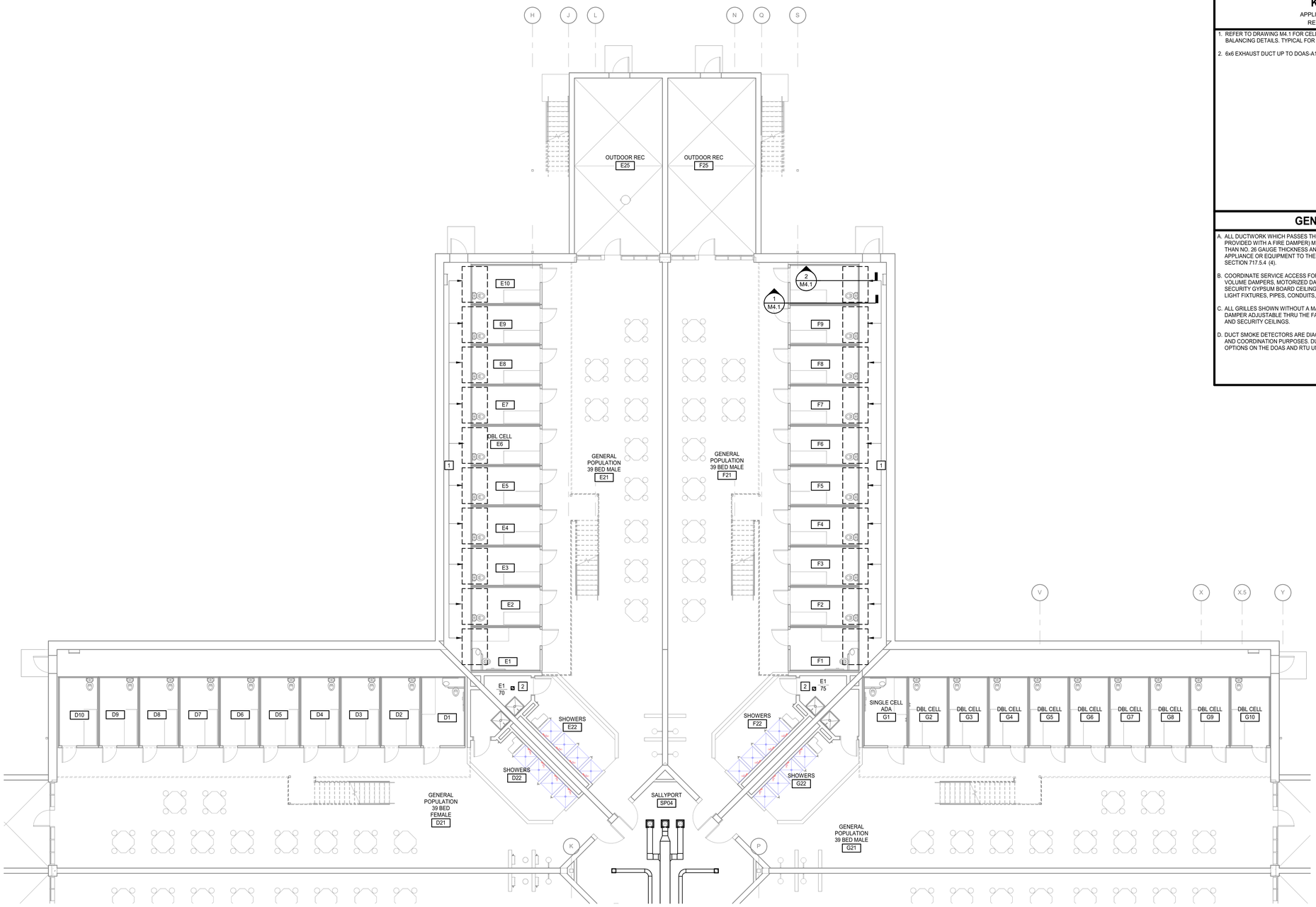
DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

FIRST FLOOR DUCTWORK PLAN - PART BE

M2.1.3

12/11/2023 11:47:26 AM



N

FIRST FLOOR PLAN - DUCTWORK ADD ALTERNATE PART C

1/8" = 1'-0"

KEYNOTES

APPLIES TO THIS DRAWING REPRESENTED BY n

1. REFER TO DRAWING M4.1 FOR CELL SUPPLY AND EXHAUST DUCTWORK CONNECTION AND BALANCING DETAILS. TYPICAL FOR ALL CELLS.
2. 6x6 EXHAUST DUCT UP TO DOAS-A1.

GENERAL NOTES

A. ALL DUCTWORK WHICH PASSES THROUGH ANY 1-HOUR FIRE PARTITION (AND IS NOT PROVIDED WITH A FIRE DAMPER) MUST BE CONSTRUCTED OF SHEET STEEL NOT LESS THAN NO. 26 GAUGE THICKNESS AND BE CONTINUOUS FROM THE AIR HANDLING APPLIANCE OR EQUIPMENT TO THE AIR OUTLET AND INLET TERMINALS PER 2018 NCSMC SECTION 717.5.4 (4).

B. COORDINATE SERVICE ACCESS FOR ALL MANUAL SMOKE CONTROL VOLUME DAMPERS, VOLUME DAMPERS, MOTORIZED DAMPERS AND ALL SERVICEABLE EQUIPMENT ABOVE SECURITY GYPSUM BOARD CEILINGS. DO NOT LOCATE ANY OF THE DEVICES ABOVE LIGHT FIXTURES, PIPES, CONDUITS, DUCTWORK ETC.

C. ALL GRILLES SHOWN WITHOUT A MANUAL VOLUME DAMPER SHALL HAVE THE VOLUME DAMPER ADJUSTABLE THRU THE FACE OF THE GRILLE. TYPICAL FOR GYPSUM BOARD AND SECURITY CEILINGS.

D. DUCT SMOKE DETECTORS ARE DIAGRAMMATIC IN NATURE AND SHOWN FOR CLARITY AND COORDINATION PURPOSES. DUCT SMOKE DETECTORS ARE FACTORY INSTALLED OPTIONS ON THE DOAS AND RTU UNITS. REFER TO SCHEDULE NOTES.

MOSELEYARCHITECTS

6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA REGISTERED SEAL 033520 12/12/23 ENGINEER JUSTIN P CARLSON

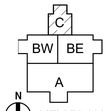
MOSELEY ARCHITECTS PC REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378

DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION



KEY PLAN

FIRST FLOOR DUCTWORK PLAN - ADD ALTERNATE PART C

M2.1.4

12/11/2023 11:47:32 AM

KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY n

1. REFER TO DRAWING M4.1 FOR CELL SUPPLY AND EXHAUST DUCTWORK CONNECTION AND BALANCING DETAILS. TYPICAL FOR ALL CELLS.
2. MANUAL EMERGENCY SHUT DOWN FOR ALL DOAS AND RTU UNITS. SEE SPECIFICATION 230900 FOR BAS INTEGRATION.
3. 6x6 EXHAUST DUCT DOWN TO JANITOR CLOSET BELOW.
4. 8x8 EXHAUST DUCT DOWN TO ELECTRIC ROOM BELOW.
5. DUCT RISER UP TO SUPPLY FAN ON ROOF, PROVIDE TRANSITIONS. PROVIDE MOTORIZED CONTROL DAMPER INTEGRAL TO UNIT IN FAN ROOF CURB (OR AS SHOWN). INCLUDE 45 DEGREE SHOE TAP FITTING WHERE RISER CONNECTS TO PLENUM IN ACCORDANCE WITH SPECIFICATIONS. PROVIDE MANUAL BALANCING DAMPER IN PLENUM.
6. DUCT RISER UP TO SMOKE EXHAUST FAN ON ROOF, PROVIDE TRANSITIONS. PROVIDE MOTORIZED CONTROL DAMPER INTEGRAL TO UNIT IN FAN ROOF CURB (OR AS SHOWN). INCLUDE 45 DEGREE SHOE TAP FITTING WHERE RISER CONNECTS TO PLENUM IN ACCORDANCE WITH SPECIFICATIONS. PROVIDE MANUAL HIGH HEAT RATED BALANCING DAMPER IN PLENUM.
7. 1-1/4" CONDENSATE PIPING DOWN TO LEVEL ONE. REFER TO DRAWING M2.1.2 FOR CONTINUATION.
8. PROVIDE CONDENSATE CLEANOUTS AS SHOWN. PROVIDED THREADED CAPS AT CLEANOUT LOCATIONS. PITCH CONDENSATE PIPING 1/8" PER FOOT IN DIRECTION OF FLOW.
9. REFRIGERANT LIQUID AND SUCTION PIPING UP TO ROOF MOUNTED CONDENSING UNIT.

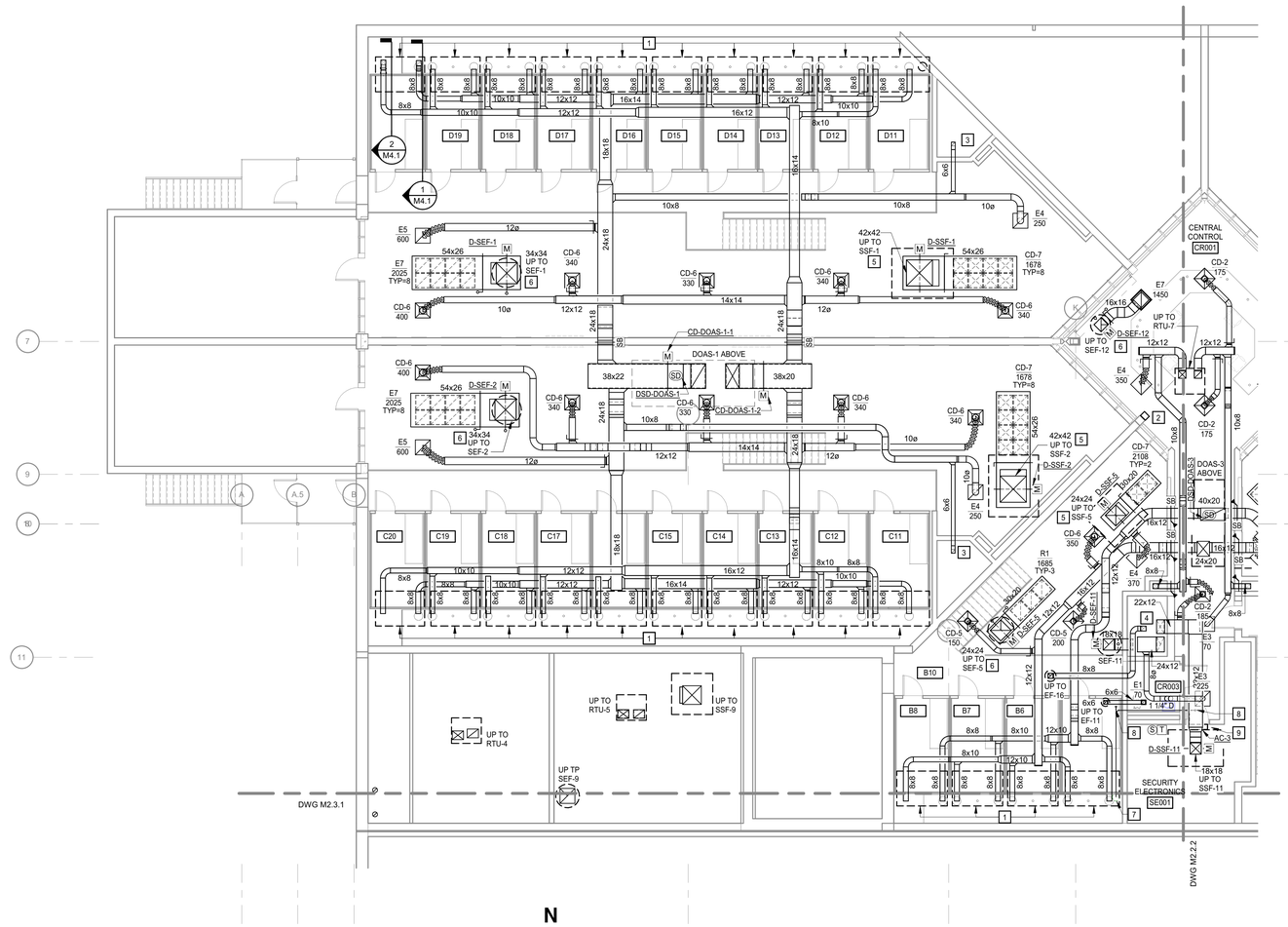
GENERAL NOTES

A. ALL DUCTWORK WHICH PASSES THROUGH ANY 1-HOUR FIRE PARTITION (AND IS NOT PROVIDED WITH A FIRE DAMPER) MUST BE CONSTRUCTED OF SHEET STEEL NOT LESS THAN NO. 26 GAUGE THICKNESS AND BE CONTINUOUS FROM THE AIR HANDLING APPLIANCE OR EQUIPMENT TO THE AIR OUTLET AND INLET TERMINALS PER 2018 NCSMC SECTION 717.5.4 (4).

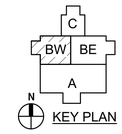
B. COORDINATE SERVICE ACCESS FOR ALL MANUAL SMOKE CONTROL VOLUME DAMPERS, VOLUME DAMPERS, MOTORIZED DAMPERS AND ALL SERVICEABLE EQUIPMENT ABOVE SECURITY GYPSUM BOARD CEILINGS. DO NOT LOCATE ANY OF THE DEVICES ABOVE LIGHT FIXTURES, PIPES, CONDUITS, DUCTWORK ETC.

C. ALL GRILLES SHOWN WITHOUT A MANUAL VOLUME DAMPER SHALL HAVE THE VOLUME DAMPER ADJUSTABLE THRU THE FACE OF THE GRILLE. TYPICAL FOR GYPSUM BOARD ANAND SECURITY CEILINGS.

D. DUCT SMOKE DETECTORS ARE DIAGRAMMATIC IN NATURE AND SHOWN FOR CLARITY ANAND COORDINATION PURPOSES. DUCT SMOKE DETECTORS ARE FACTORY INSTALLED OPTIONS ON THE DOAS AND RTU UNITS. REFER TO SCHEDULE NOTES.



TIER LEVEL PLAN - DUCTWORK PART BW
1/8" = 1'-0"



KEY PLAN

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 033520 ENGINEER JUSTIN P CARLSON 12/12/23

MOSELEY ARCHITECTS P.A. NORTH CAROLINA CORPORATION C-3469 CHARLOTTE, N.C.

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

TIER DUCTWORK PLAN - PART BW

M2.2.1

12/11/2023 11:47:36 AM

KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY n

1. REFER TO DRAWING M4.1 FOR CELL SUPPLY AND EXHAUST DUCTWORK CONNECTION AND BALANCING DETAILS. TYPICAL FOR ALL CELLS.
2. 6x6 EXHAUST DUCT DOWN TO JANITOR CLOSET BELOW.
3. SUPPLY/RETURN DUCT DOWN TO LOWER LEVEL.
4. DUCT RISER UP TO SUPPLY FAN ON ROOF, PROVIDE TRANSITIONS. PROVIDE MOTORIZED CONTROL DAMPER INTEGRAL TO UNIT IN FAN ROOF CURB (OR AS SHOWN). INCLUDE 45 DEGREE SHOE TAP FITTING WHERE RISER CONNECTS TO PLENUM IN ACCORDANCE WITH SPECIFICATIONS. PROVIDE MANUAL BALANCING DAMPER IN PLENUM.
5. DUCT RISER UP TO SMOKE EXHAUST FAN ON ROOF, PROVIDE TRANSITIONS. PROVIDE MOTORIZED CONTROL DAMPER INTEGRAL TO UNIT IN FAN ROOF CURB (OR AS SHOWN). I INCLUDE 45 DEGREE SHOE TAP FITTING WHERE RISER CONNECTS TO PLENUM IN ACCORDANCE WITH SPECIFICATIONS. PROVIDE MANUAL HIGH HEAT RATED BALANCING DAMPER IN PLENUM.

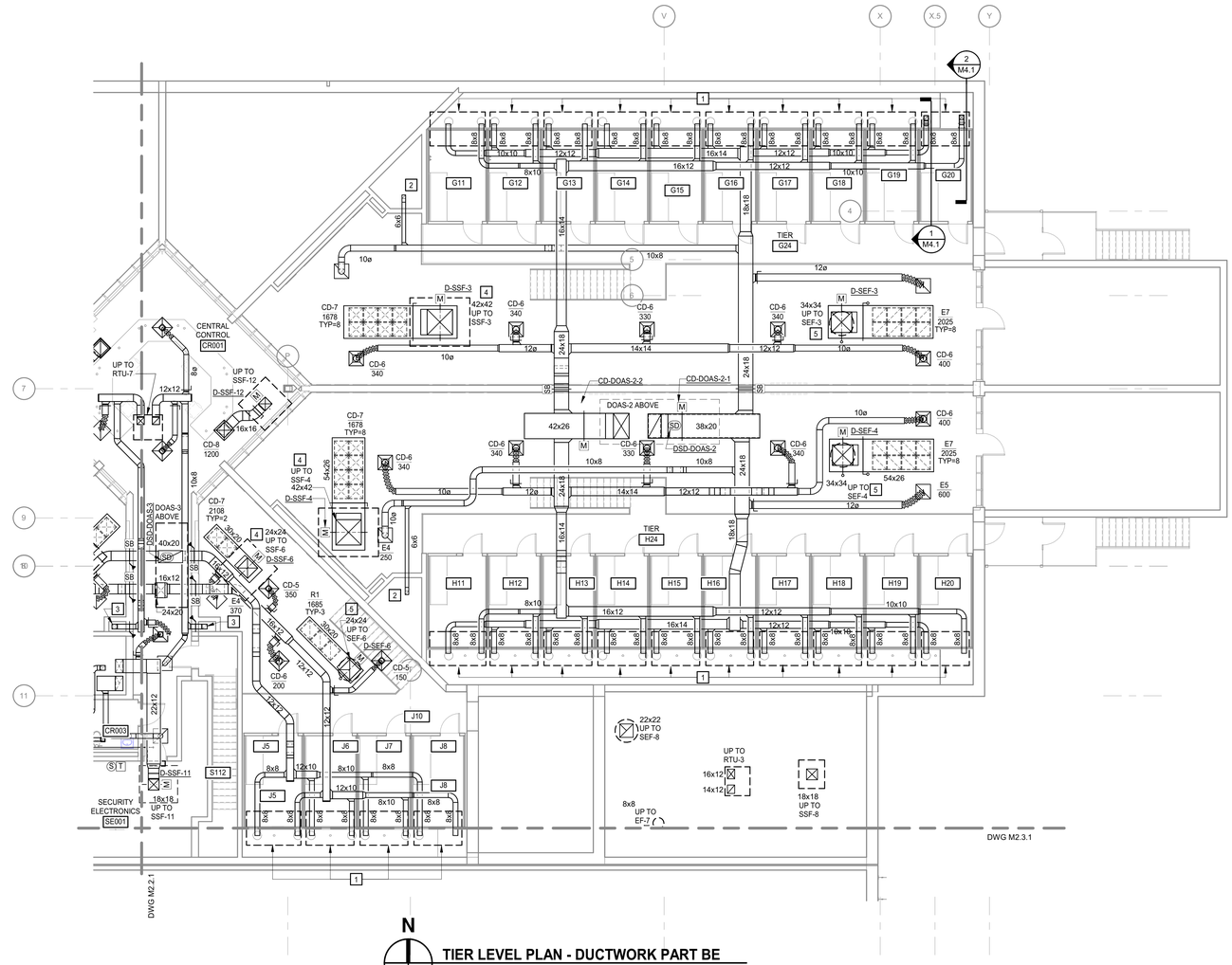
GENERAL NOTES

A. ALL DUCTWORK WHICH PASSES THROUGH ANY 1-HOUR FIRE PARTITION (AND IS NOT PROVIDED WITH A FIRE DAMPER) MUST BE CONSTRUCTED OF SHEET STEEL NOT LESS THAN NO. 26 GAUGE THICKNESS AND BE CONTINUOUS FROM THE AIR HANDLING APPLIANCE OR EQUIPMENT TO THE AIR OUTLET AND INLET TERMINALS PER 2018 NCSMC SECTION 717.5.4 (4).

B. COORDINATE SERVICE ACCESS FOR ALL MANUAL SMOKE CONTROL VOLUME DAMPERS, VOLUME DAMPERS, MOTORIZED DAMPERS AND ALL SERVICEABLE EQUIPMENT ABOVE SECURITY GYPSUM BOARD CEILINGS. DO NOT LOCATE ANY OF THE DEVICES ABOVE LIGHT FIXTURES, PIPES, CONDUITS, DUCTWORK ETC.

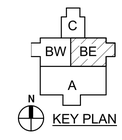
C. ALL GRILLES SHOWN WITHOUT A MANUAL VOLUME DAMPER SHALL HAVE THE VOLUME DAMPER ADJUSTABLE THRU THE FACE OF THE GRILLE. TYPICAL FOR GYPSUM BOARD AND SECURITY CEILINGS.

D. DUCT SMOKE DETECTORS ARE DIAGRAMMATIC IN NATURE AND SHOWN FOR CLARITY AND COORDINATION PURPOSES. DUCT SMOKE DETECTORS ARE FACTORY INSTALLED OPTIONS ON THE DOAS AND RTU UNITS. REFER TO SCHEDULE NOTES.



N

TIER LEVEL PLAN - DUCTWORK PART BE
1/8" = 1'-0"



KEY PLAN

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033520 01/12/23 JOSEPH P. CARLSON

MOSELEY ARCHITECTS PROFESSIONAL CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY, NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

TIER DUCTWORK PLAN - PART BE

M2.2.2

12/11/2023 11:47:38 AM

KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY [n]

1. SEE DRAWING M0.3 FOR DAMPER SEQUENCE OF OPERATION FOR REDUNDANT UNIT DOAS-A2 WHEN IT IS IN BACK-UP MODE FOR DOAS-1.

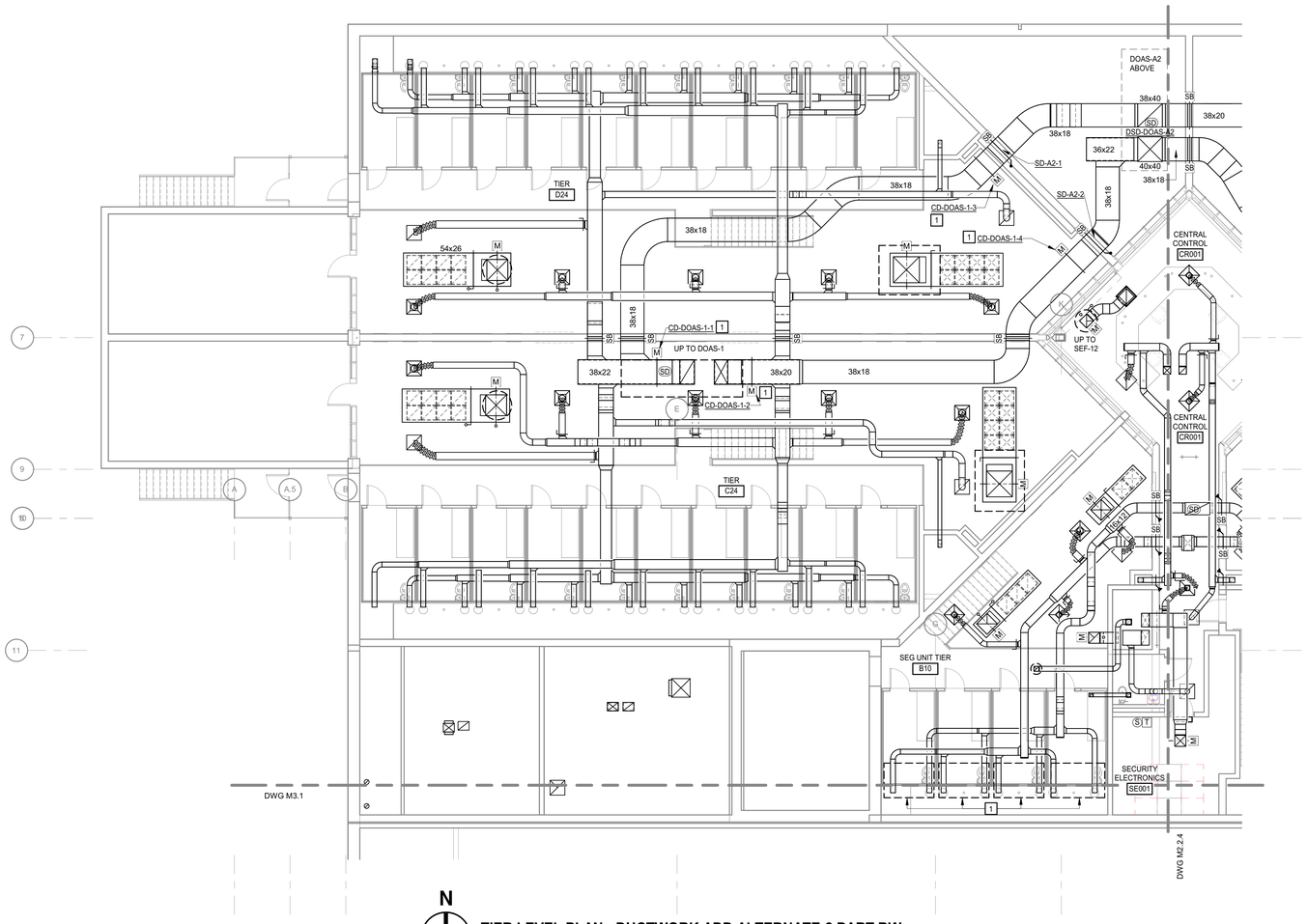
GENERAL NOTES

A. ALL DUCTWORK WHICH PASSES THROUGH ANY 1-HOUR FIRE PARTITION (AND IS NOT PROVIDED WITH A FIRE DAMPER) MUST BE CONSTRUCTED OF SHEET STEEL NOT LESS THAN NO. 26 GAUGE THICKNESS AND BE CONTINUOUS FROM THE AIR HANDLING APPLIANCE OR EQUIPMENT TO THE AIR OUTLET AND INLET TERMINALS PER 2018 NCSMC SECTION 717.5.4 (4).

B. COORDINATE SERVICE ACCESS FOR ALL MANUAL SMOKE CONTROL VOLUME DAMPERS, VOLUME DAMPERS, MOTORIZED DAMPERS AND ALL SERVICEABLE EQUIPMENT ABOVE SECURITY GYPSUM BOARD CEILINGS. DO NOT LOCATE ANY OF THE DEVICES ABOVE LIGHT FIXTURES, PIPES, CONDUITS, DUCTWORK ETC.

C. ALL GRILLES SHOWN WITHOUT A MANUAL VOLUME DAMPER SHALL HAVE THE VOLUME DAMPER ADJUSTABLE THRU THE FACE OF THE GRILLE. TYPICAL FOR GYPSUM BOARD AND SECURITY CEILINGS.

D. DUCT SMOKE DETECTORS ARE DIAGRAMMATIC IN NATURE AND SHOWN FOR CLARITY AND COORDINATION PURPOSES. DUCT SMOKE DETECTORS ARE FACTORY INSTALLED OPTIONS ON THE DOAS AND RTU UNITS. REFER TO SCHEDULE NOTES.



N

TIER LEVEL PLAN - DUCTWORK ADD ALTERNATE-2 PART BW
1/8" = 1'-0"

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033520 01/12/23 JUSTIN P. CARLSON

MOSELEY ARCHITECTS PROFESSIONAL CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY, NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

C
BW BE
A
N
KEY PLAN

TIER DUCTWORK PLAN - ADD ALTERNATE-2 PART BW

M2.2.3

12/11/2023 11:47:41 AM

KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY [n]

1. SEE DRAWING M0.3 FOR DAMPER SEQUENCE OF OPERATION FOR REDUNDANT UNIT DOAS-A2 WHEN IT IS IN BACK-UP MODE FOR DOAS-2.

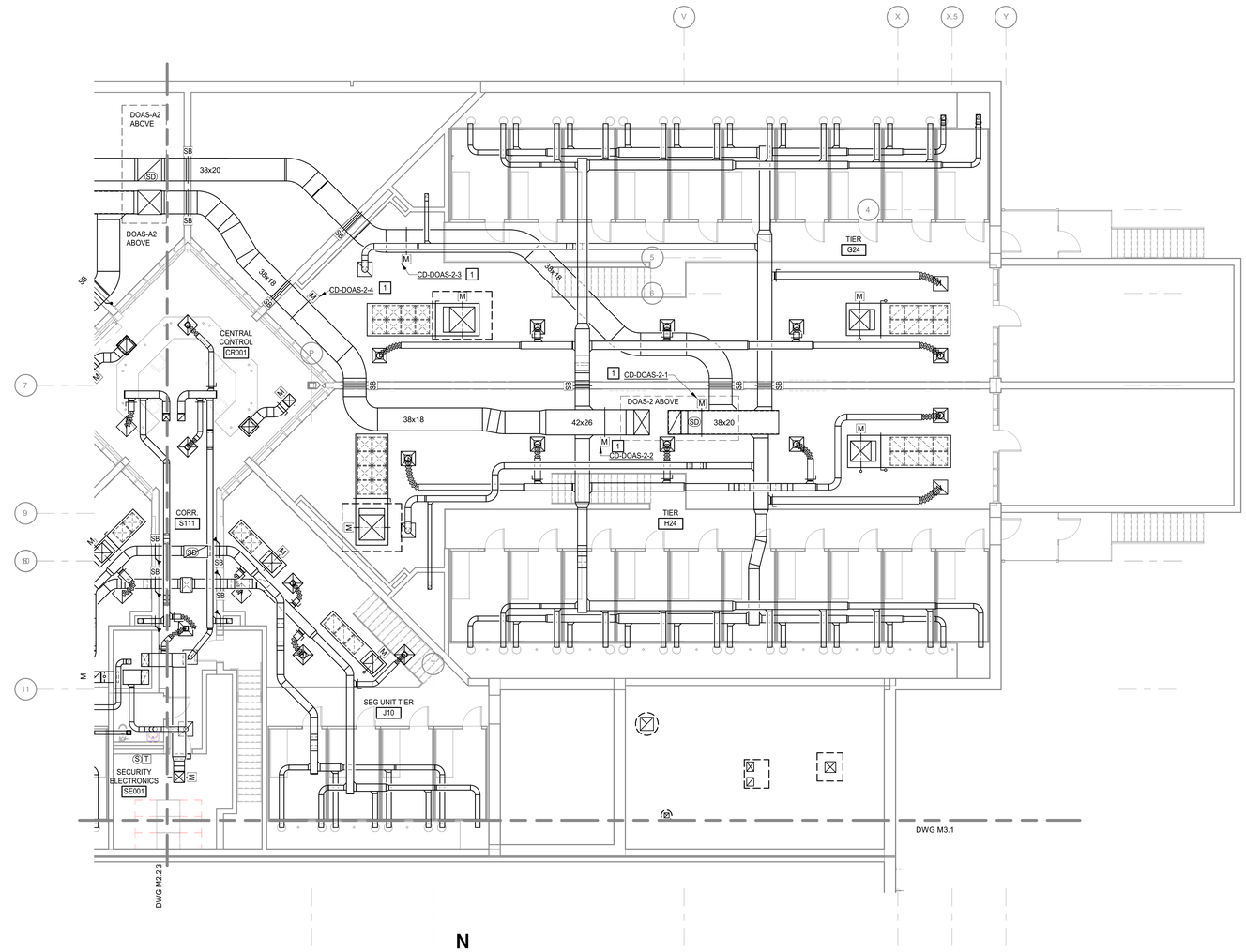
GENERAL NOTES

A. ALL DUCTWORK WHICH PASSES THROUGH ANY 1-HOUR FIRE PARTITION (AND IS NOT PROVIDED WITH A FIRE DAMPER) MUST BE CONSTRUCTED OF SHEET STEEL NOT LESS THAN NO. 26 GAUGE THICKNESS AND BE CONTINUOUS FROM THE AIR HANDLING APPLIANCE OR EQUIPMENT TO THE AIR OUTLET AND INLET TERMINALS PER 2018 NCSMC SECTION 717.5.4 (4).

B. COORDINATE SERVICE ACCESS FOR ALL MANUAL SMOKE CONTROL VOLUME DAMPERS, VOLUME DAMPERS, MOTORIZED DAMPERS AND ALL SERVICEABLE EQUIPMENT ABOVE SECURITY GYPSUM BOARD CEILINGS. DO NOT LOCATE ANY OF THE DEVICES ABOVE LIGHT FIXTURES, PIPES, CONDUITS, DUCTWORK ETC.

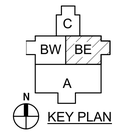
C. ALL GRILLES SHOWN WITHOUT A MANUAL VOLUME DAMPER SHALL HAVE THE VOLUME DAMPER ADJUSTABLE THRU THE FACE OF THE GRILLE. TYPICAL FOR GYPSUM BOARD AND SECURITY CEILINGS.

D. DUCT SMOKE DETECTORS ARE DIAGRAMMATIC IN NATURE AND SHOWN FOR CLARITY AND COORDINATION PURPOSES. DUCT SMOKE DETECTORS ARE FACTORY INSTALLED OPTIONS ON THE DOAS AND RTU UNITS. REFER TO SCHEDULE NOTES.



N

TIER LEVEL PLAN - DUCTWORK ADD ALTERNATE-2 PART BE
1/8" = 1'-0"



KEY PLAN

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033520 12/12/23 JOSEPH P. CARLSON

MOSELEY ARCHITECTS PROFESSIONAL CORPORATION C-3469 NORTH CAROLINA CHARLOTTE NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY, NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

TIER DUCTWORK PLAN - ADD ALTERNATE-2 PART BE

M2.2.4

12/11/2023 11:47:43 AM

KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY n

1. REFER TO DRAWING M4.1 FOR CELL SUPPLY AND EXHAUST DUCTWORK CONNECTION AND BALANCING DETAILS. TYPICAL FOR ALL CELLS.
2. 6x6 EXHAUST DUCT DOWN TO JANITOR CLOSET ON LEVEL-1.
3. DUCT RISER UP TO SUPPLY FAN ON ROOF, PROVIDE TRANSITIONS. PROVIDE MOTORIZED CONTROL DAMPER INTEGRAL TO UNIT IN FAN ROOF CURB (OR AS SHOWN). INCLUDE 45 DEGREE SHOE TAP FITTING WHERE RISER CONNECTS TO PLENUM IN ACCORDANCE WITH SPECIFICATIONS. PROVIDE MANUAL BALANCING DAMPER IN PLENUM.
4. DUCT RISER UP TO SMOKE EXHAUST FAN ON ROOF, PROVIDE TRANSITIONS. PROVIDE MOTORIZED CONTROL DAMPER INTEGRAL TO UNIT IN FAN ROOF CURB (OR AS SHOWN). INCLUDE 45 DEGREE SHOE TAP FITTING WHERE RISER CONNECTS TO PLENUM IN ACCORDANCE WITH SPECIFICATIONS. PROVIDE MANUAL HIGH HEAT RATED BALANCING DAMPER IN PLENUM.

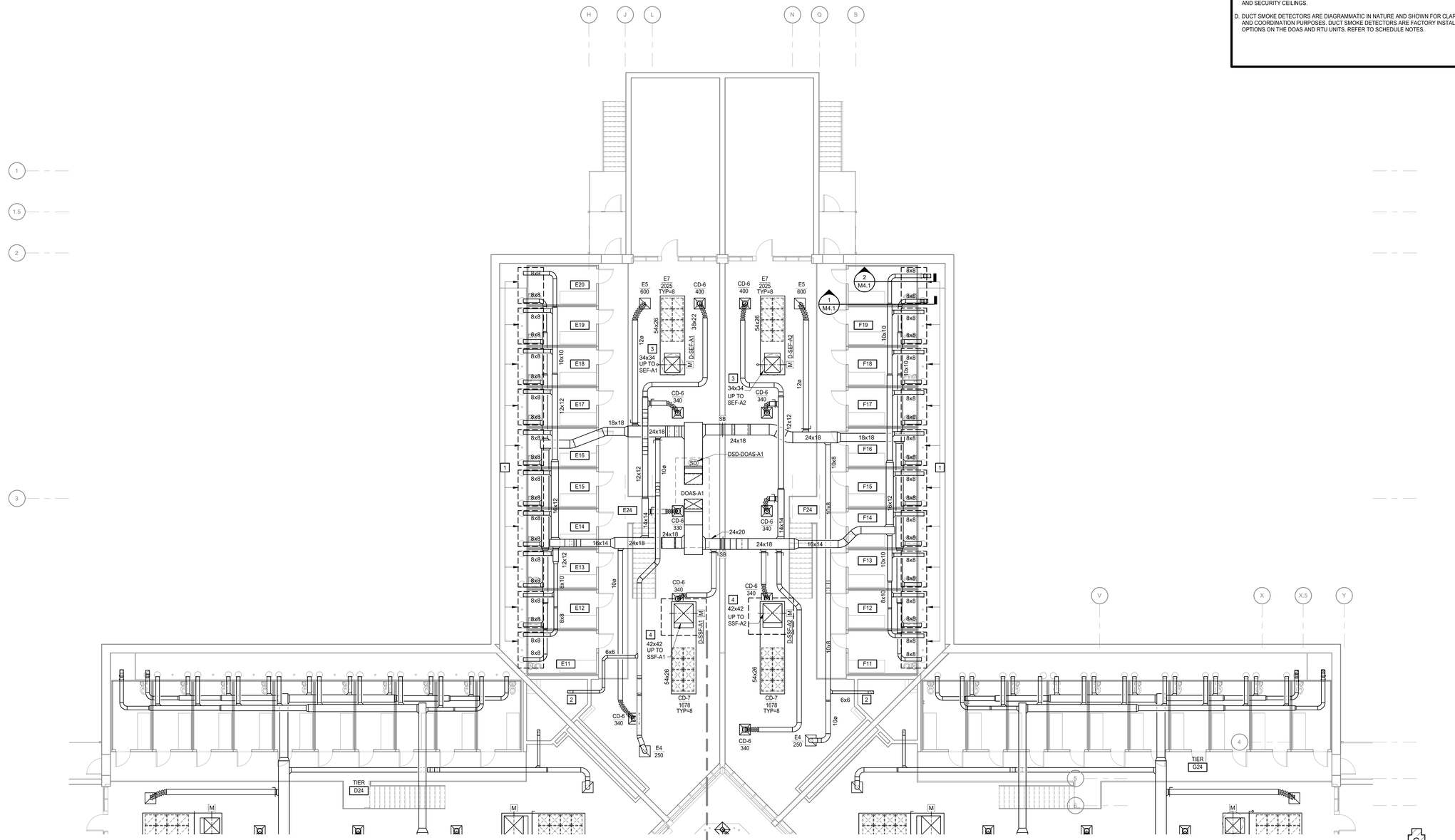
GENERAL NOTES

A. ALL DUCTWORK WHICH PASSES THROUGH ANY 1-HOUR FIRE PARTITION (AND IS NOT PROVIDED WITH A FIRE DAMPER) MUST BE CONSTRUCTED OF SHEET STEEL NOT LESS THAN NO. 26 GAUGE THICKNESS AND BE CONTINUOUS FROM THE AIR HANDLING APPLIANCE OR EQUIPMENT TO THE AIR OUTLET AND INLET TERMINALS PER 2018 NCSMC SECTION 717.5.4 (4).

B. COORDINATE SERVICE ACCESS FOR ALL MANUAL SMOKE CONTROL VOLUME DAMPERS, VOLUME DAMPERS, MOTORIZED DAMPERS AND ALL SERVICEABLE EQUIPMENT ABOVE SECURITY GYPSUM BOARD CEILINGS. DO NOT LOCATE ANY OF THE DEVICES ABOVE LIGHT FIXTURES, PIPES, CONDUITS, DUCTWORK ETC.

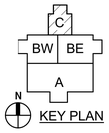
C. ALL GRILLES SHOWN WITHOUT A MANUAL VOLUME DAMPER SHALL HAVE THE VOLUME DAMPER ADJUSTABLE THRU THE FACE OF THE GRILLE. TYPICAL FOR GYPSUM BOARD AND SECURITY CEILINGS.

D. DUCT SMOKE DETECTORS ARE DIAGRAMMATIC IN NATURE AND SHOWN FOR CLARITY AND COORDINATION PURPOSES. DUCT SMOKE DETECTORS ARE FACTORY INSTALLED OPTIONS ON THE DOAS AND RTU UNITS. REFER TO SCHEDULE NOTES.



N

TIER LEVEL PLAN - DUCTWORK ADD ALTERNATE PART C
1/8" = 1'-0"



KEY PLAN

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL 033520 12/12/23 ENGINEER JUSTIN P CARLSON

MOSELEY ARCHITECTS PC REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

TIER DUCTWORK PLAN - ADD ALTERNATE PART C

M2.2.5

12/11/2023 11:47:49 AM

KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY [n]

1. SEE DRAWING M0.3 FOR DAMPER SEQUENCE OF OPERATION FOR REDUNDANT UNIT DOAS-A2 WHEN IT IS BACK-UP MODE FOR DOAS-A1.

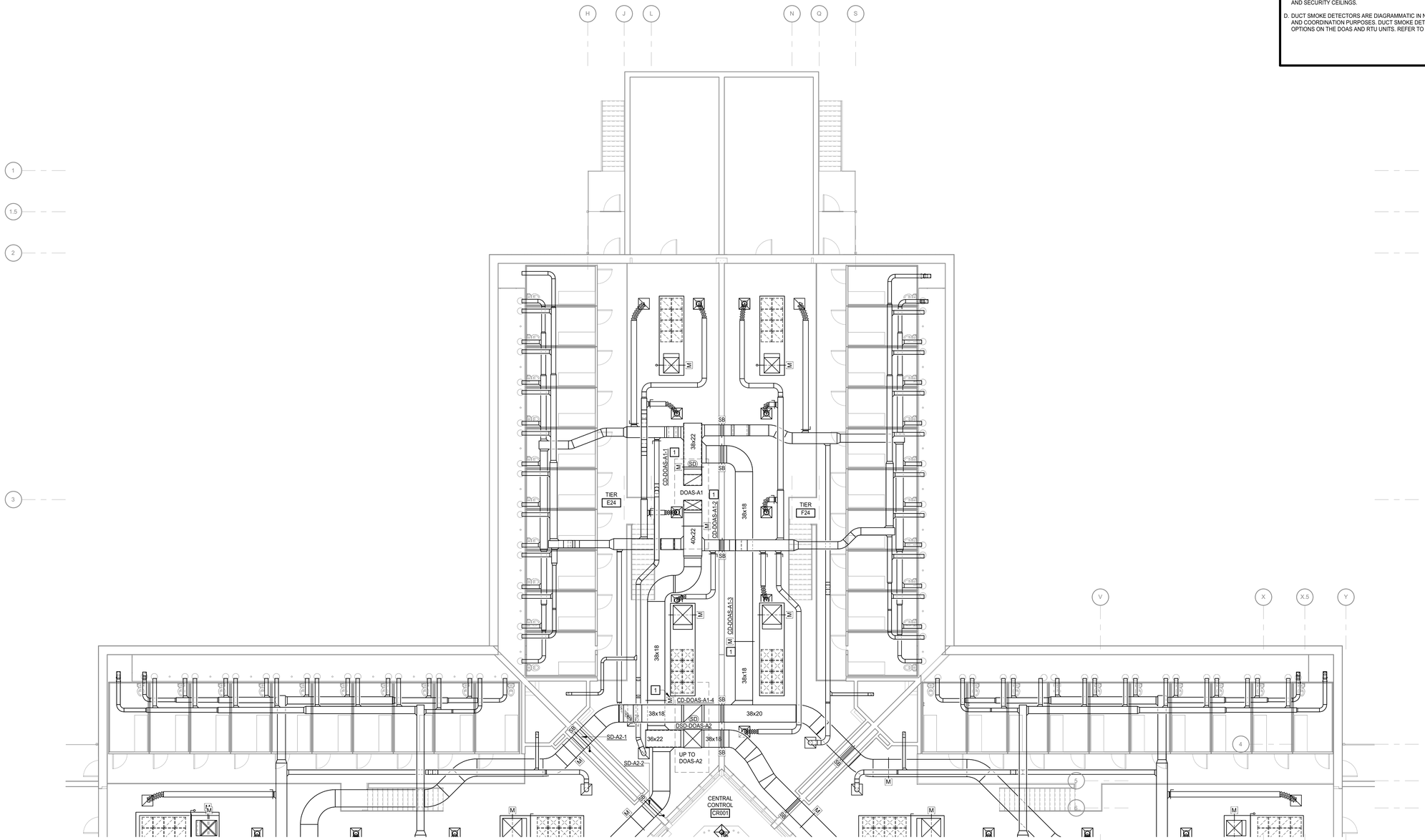
GENERAL NOTES

A. ALL DUCTWORK WHICH PASSES THROUGH ANY 1-HOUR FIRE PARTITION (AND IS NOT PROVIDED WITH A FIRE DAMPER) MUST BE CONSTRUCTED OF SHEET STEEL NOT LESS THAN NO. 26 GAUGE THICKNESS AND BE CONTINUOUS FROM THE AIR HANDLING APPLIANCE OR EQUIPMENT TO THE AIR OUTLET AND INLET TERMINALS PER 2018 NCSMC SECTION 717.5.4 (4).

B. COORDINATE SERVICE ACCESS FOR ALL MANUAL SMOKE CONTROL VOLUME DAMPERS, VOLUME DAMPERS, MOTORIZED DAMPERS AND ALL SERVICEABLE EQUIPMENT ABOVE SECURITY GYPSUM BOARD CEILINGS. DO NOT LOCATE ANY OF THE DEVICES ABOVE LIGHT FIXTURES, PIPES, CONDUITS, DUCTWORK ETC.

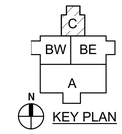
C. ALL GRILLES SHOWIN WITHOUT A MANUAL VOLUME DAMPER SHALL HAVE THE VOLUME DAMPER ADJUSTABLE THRU THE FACE OF THE GRILLE. TYPICAL FOR GYPSUM BOARD AND SECURITY CEILINGS.

D. DUCT SMOKE DETECTORS ARE DIAGRAMMATIC IN NATURE AND SHOWN FOR CLARITY AND COORDINATION PURPOSES. DUCT SMOKE DETECTORS ARE FACTORY INSTALLED OPTIONS ON THE DOAS AND RTU UNITS. REFER TO SCHEDULE NOTES.



N

TIER LEVEL PLAN - DUCTWORK ADD ALTERNATE-3 PART C
1/8" = 1'-0"



KEY PLAN

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 033520 ENGINEER JUSTIN P. CARLSON 01/12/23

MOSELEY ARCHITECTS PROFESSIONAL CORPORATION C-3469 NORTH CAROLINA REGISTERED CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

TIER DUCTWORK PLAN - ADD ALTERNATE-3 PART C

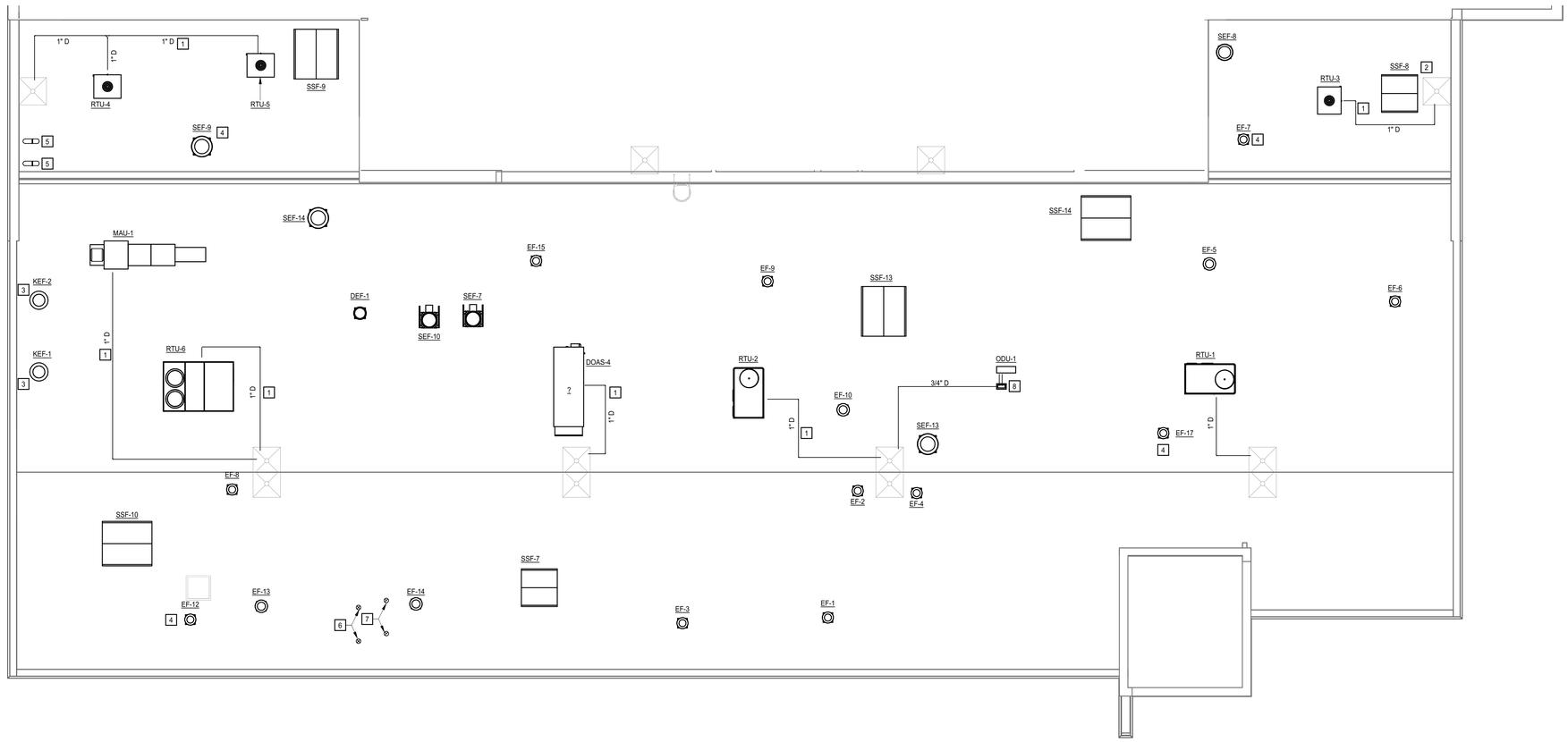
M2.2.6

12/11/2023 11:47:54 AM

KEYNOTES

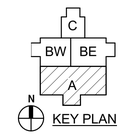
APPLIES TO THIS DRAWING
REPRESENTED BY [n]

1. PITCH CONDENSATE PIPING 1/8" PER FOOT IN DIRECTION OF FLOW. TERMINATE AT NEAREST ROOF DRAIN. PROVIDE PIPE SUPPORTS PER MECHANICAL DETAIL.
2. MAINTAIN MINIMUM 6'-0" FROM ROOF EDGE.
3. SAFETY RAILING LOCATED IN THIS AREA. RAILINGS TO EXTEND MINIMUM 3'-0" PAST EACH END OF EQUIPMENT LOCATED WITHIN 6'-0" OF ROOF EDGE.
4. MAINTAIN MINIMUM 10'-0" BETWEEN EXHAUST AND OUTSIDE AIR INTAKES.
5. 8" DRYER EXHAUST DUCT WITH GOOSENECK PER MECHANICL DETAIL.
6. 8" DOMESTIC WATER HEATER INTAKE VENT WITH RAIN CAP.
7. 8" DOMSTIC WATER HEATER EXHAUST VENT WITH RAIN CAP. TERMINATE MINIMUM 3'-0" ABOVE ANY PAPAPET, VERTICAL WALL OR STRUCTURE WITHIN 10'-0".
8. REFRIGERANT LIQUID AND SUCTION LINES DOWN TO FLOOR BELOW. PROVIDE PATE COMPANY PIPE HOOD ASSEMBLY PHA-2 (OR EQUIVALENT) FOR REFRIGERANT PIPING ROOF PENETRATION (AND CONDENSATE PIPING IF SHOWN). FIELD INSULATE INTERIOR OF HOOD.



N

MECHANICAL ROOF PLAN - PART A
1/8" = 1'-0"



KEY PLAN

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033520 01/12/23 JOSEPH P. CARLSON

MOSELEY ARCHITECTS, P.A. NORTH CAROLINA FIRM CORPORATION C-3469 CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY, NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

MECHANICAL ROOF PLAN - PART A

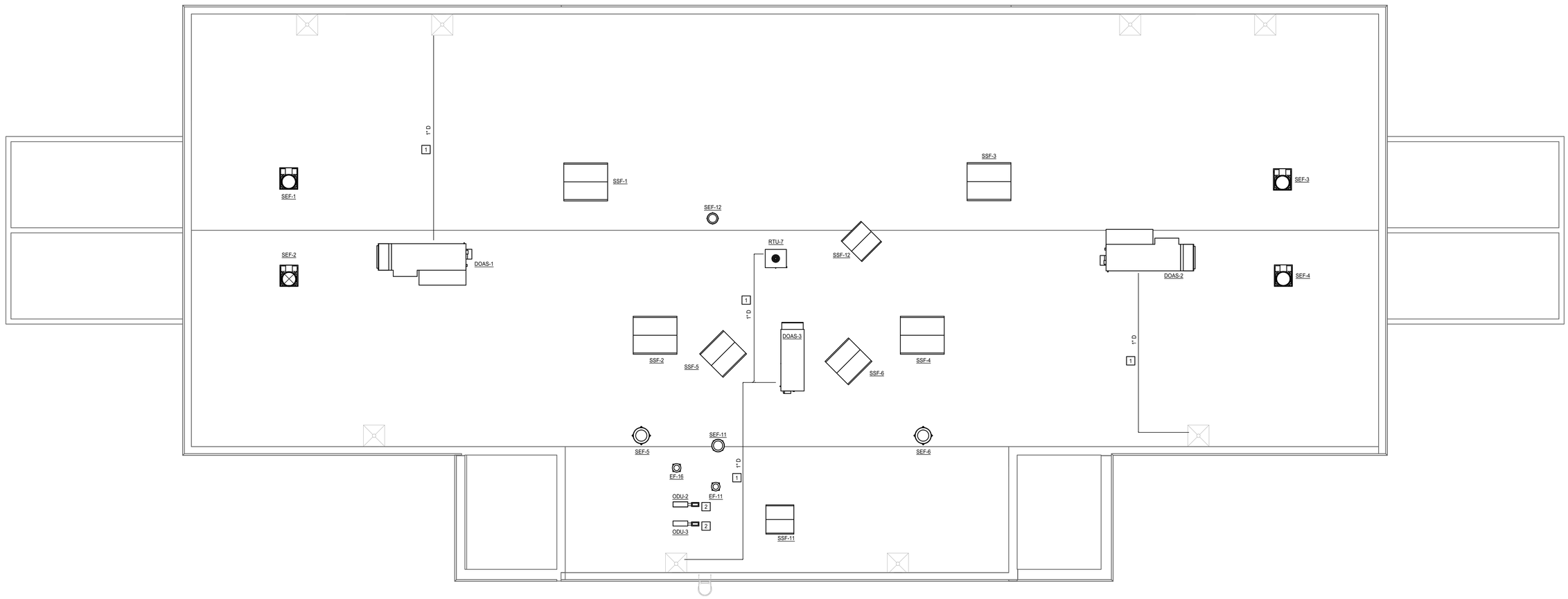
M2.3.1

12/11/2023 11:47:55 AM

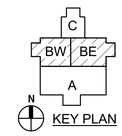
KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY [n]

1. PITCH CONDENSATE PIPING 1/8" PER FOOT IN DIRECTION OF FLOW. TERMINATE AT NEAREST ROOF DRAIN. PROVIDE PIPE SUPPORTS PER MECHANICAL DETAIL.
2. REFRIGERANT LIQUID AND SUCTION LINES DOWN TO FLOOR BELOW. PROVIDE PATE COMPANY PIPE HOOD ASSEMBLY PHA-2 (OR EQUIVALENT) FOR REFRIGERANT PIPING ROOF PENETRATION. FIELD INSULATE INTERIOR OF HOOD



MECHANICAL ROOF PLAN - PART B
1/8" = 1'-0"



MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033520 01/12/23 JUSTIN P CARLSON

MOSELEY ARCHITECTS, P.A. ARCHITECTURE ENGINEERING INTERIOR DESIGN PLANNING CORPORATE NO. C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

MECHANICAL ROOF PLAN - PART B

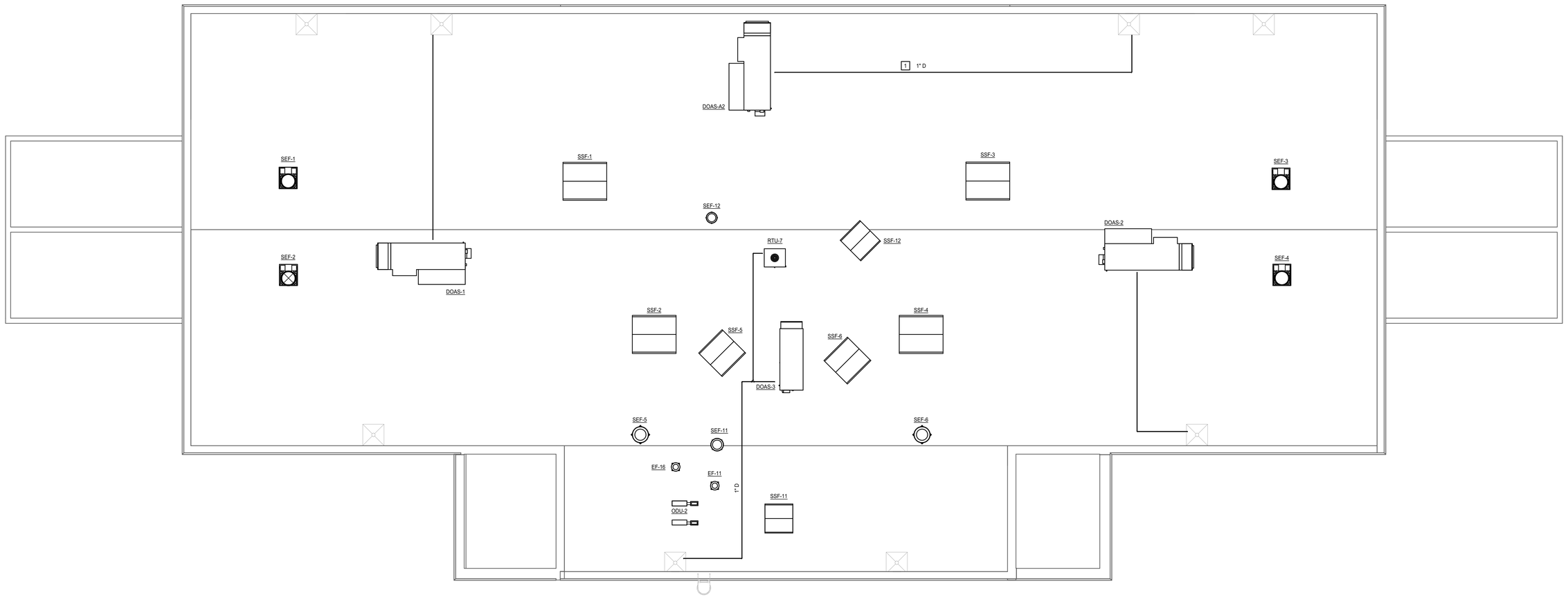
M2.3.2

12/11/2023 11:47:56 AM

KEYNOTES

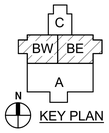
APPLIES TO THIS DRAWING
REPRESENTED BY n

1. PITCH CONDENSATE PIPING 1/8" PER FOOT IN DIRECTION OF FLOW. TERMINATE AT NEAREST ROOF DRAIN. PROVIDE PIPE SUPPORTS PER MECHANICAL DETAIL.



N

MECHANICAL ROOF PLAN - ADD ALTERNATE-2 PART B
1/8" = 1'-0"



KEY PLAN

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 033520 12/12/23 ENGINEER JUSTIN P CARLSON

MOSELEY ARCHITECTS PC REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

MECHANICAL ROOF PLAN - ADD ALTERNATE-2 PART B

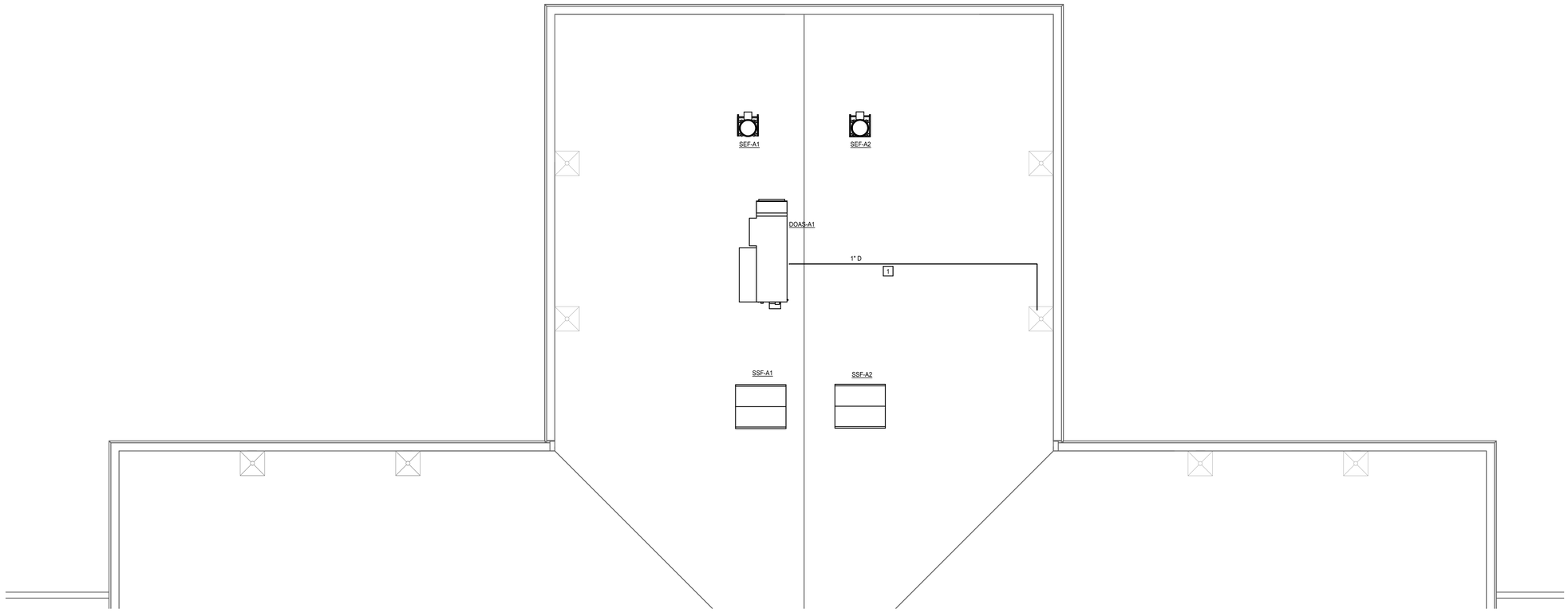
M2.3.3

12/11/2023 11:47:57 AM

KEYNOTES

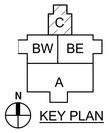
APPLIES TO THIS DRAWING
REPRESENTED BY n

1. PITCH CONDENSATE PIPING 1/8" PER FOOT IN DIRECTION OF FLOW. TERMINATE AT NEAREST ROOF DRAIN. PROVIDE PIPE SUPPORTS PER MECHANICAL DETAIL.



N

ROOF - HOUSING ADD ALTERNATE-1 - PART C
1/8" = 1'-0"



KEY PLAN

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 033520 12/12/23 ENGINEER JUSTIN P. CARLSON

MOSELEY ARCHITECTS, PLLC REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

MECHANICAL ROOF PLAN - ADD ALTERNATE PART C

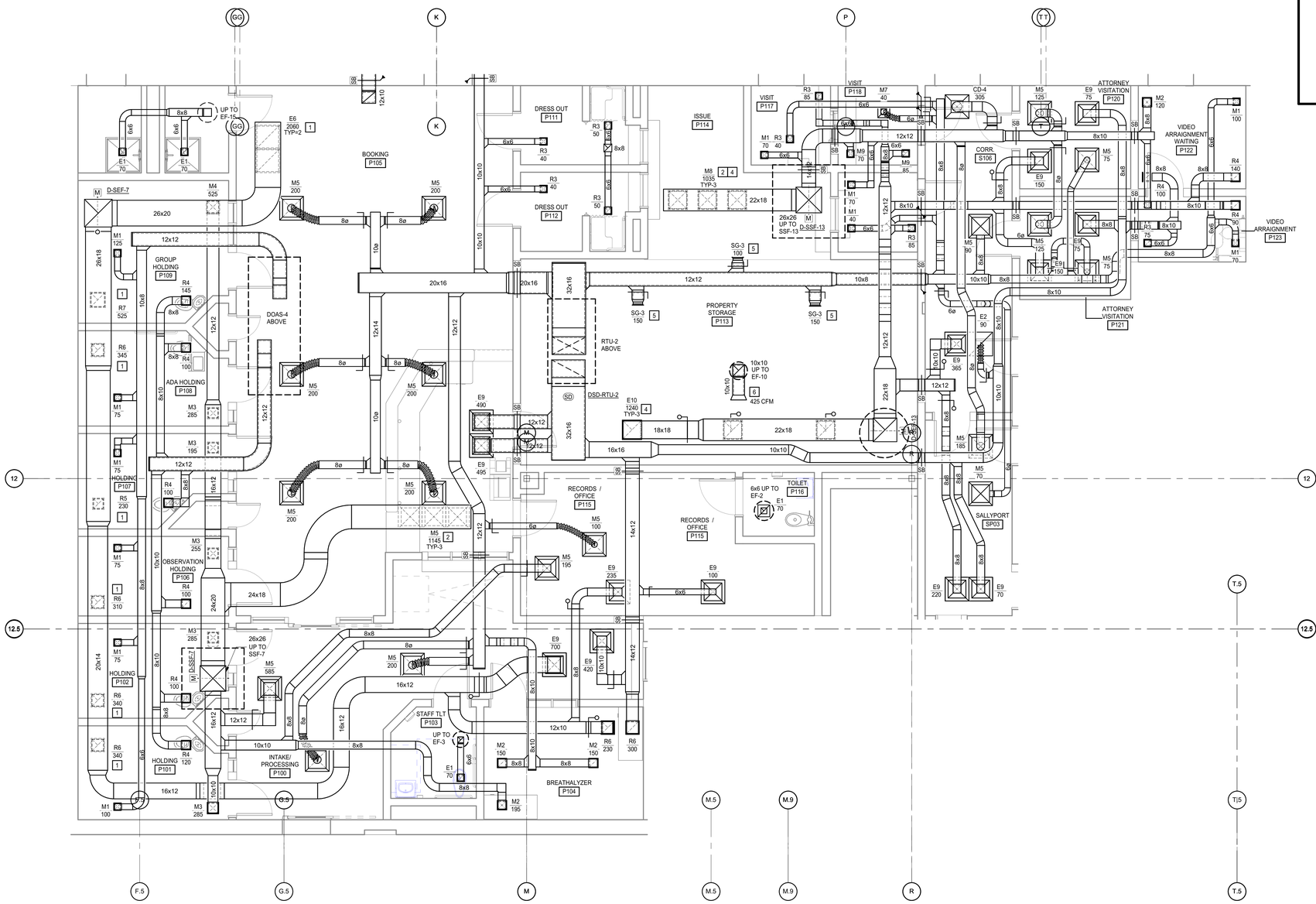
M2.3.4

12/11/2023 11:47:58 AM

KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY [n]

1. PROVIDE SMOKE EXHAUST (HIGH HEAT) RATED VOLUME DAMPER FOR EACH RETURN GRILLE. TYPICAL.
2. PROVIDE VOLUME DAMPER FOR EACH DIFFUSER. TYPICAL.
4. INSTALL DIFFUSER/GRILLE AT 10'-6" AFF.
5. INSTALL GRILLES AT 11'-0" TO BOTTOM OF GRILLE.
6. PROVIDE BELL MOUTH OPENING WITH FLANGED 1/2" DEBRIS SCREEN OVER OPEN ENDED DUCT.



N

PARTIAL FIRST FLOOR PLAN - BOOKING/ PROPERTY STORAGE
1/4" = 1'-0"

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033520 01/12/23 TIMOTHY P CARLSON

MOSELEY ARCHITECTS PROFESSIONAL CORPORATION C-3469 NORTH CAROLINA CHARLOTTE NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

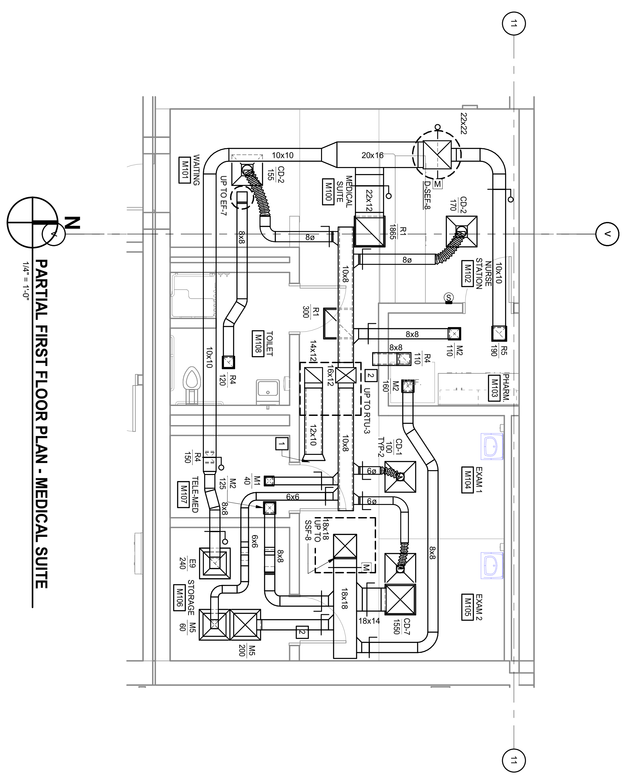
NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

ENLARGED PLANS

M3.1

12/11/2023 11:48:03 AM

12/11/2023 11:48:04 AM



KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY: [n]

1. PROVIDE BELL MOUTH OPENING WITH FLANGED 1/2" PERRS SCREEN OVER OPEN ENDED DUCT.
2. PROVIDE GRILLE/TRANSFER DUCT PER MECHANICAL DETAIL

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378

DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO. 621373
DATE DECEMBER 12, 2023

DATE	REVISIONS DESCRIPTION

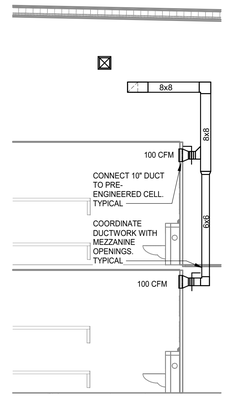
ENLARGED PLANS

M3.2

MOSELEYARCHITECTS

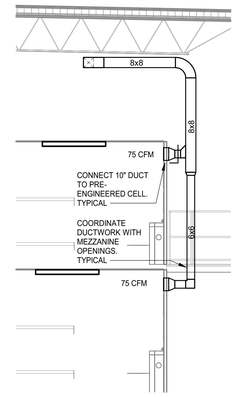
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754

MOSELEYARCHITECTS.COM



1 M2.1.3 M4.1 **TYPICAL STACKED CELL EXHAUST DUCTWORK**

1/4" = 1'-0"



2 M2.1.3 M4.1 **TYPICAL STACKED CELL SUPPLY DUCTWORK**

1/4" = 1'-0"

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA REGISTERED SEAL 033520 01/12/23 ENGINEER JUSTIN P. CARLSON

MOSELEY ARCHITECTS P.A. NORTH CAROLINA REGISTERED CORPORATION C-3469 CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

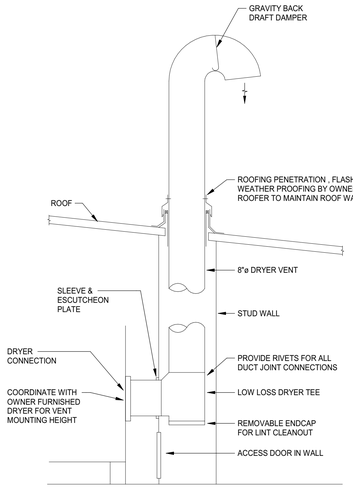
DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

SECTIONS

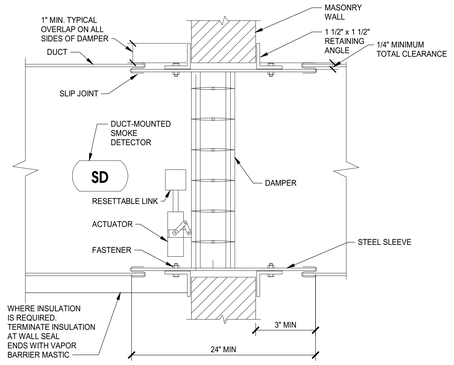
M4.1

12/11/2023 11:48:05 AM



COMMERCIAL DRYER EXHAUST VENT ROOF TERMINATION DETAIL

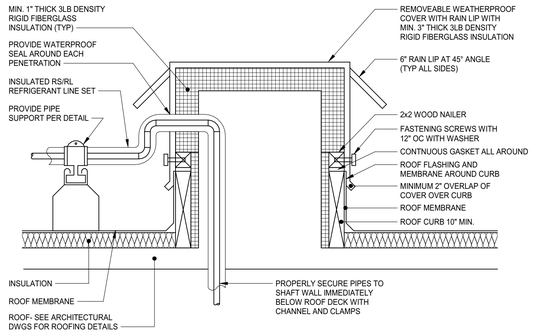
NO SCALE



NOTE: THIS DETAIL IS BASED ON GREENHECK MODEL FSD-331. ALL COMBINATION FIRE-SMOKE DAMPERS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR THE MODEL USED.

COMBINATION FIRE-SMOKE DAMPER INSTALLATION DETAIL

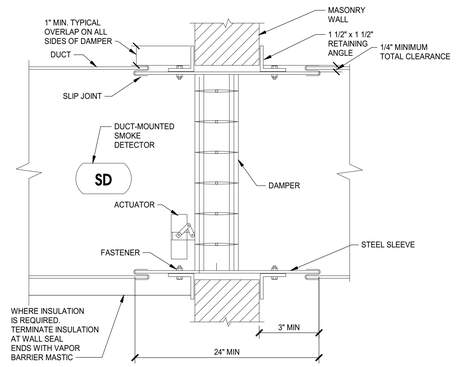
NO SCALE



NOTES:
1. SIZE CURB AND COVER HEIGHT BASED ON NUMBER OF LINE SETS. MAXIMUM HEIGHT TO BE 2 LINE SETS STACKED VERTICAL.

REFRIGERANT PIPE PENETRATION DETAIL

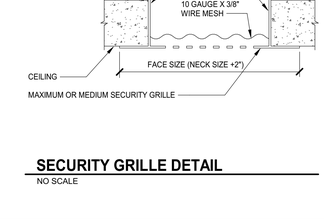
NO SCALE



NOTE: THIS DETAIL IS BASED ON GREENHECK MODEL SMD-301. ALL SMOKE DAMPERS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR THE MODEL USED.

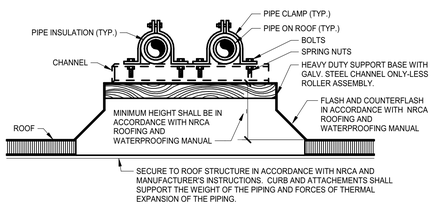
SMOKE DAMPER INSTALLATION DETAIL

NO SCALE



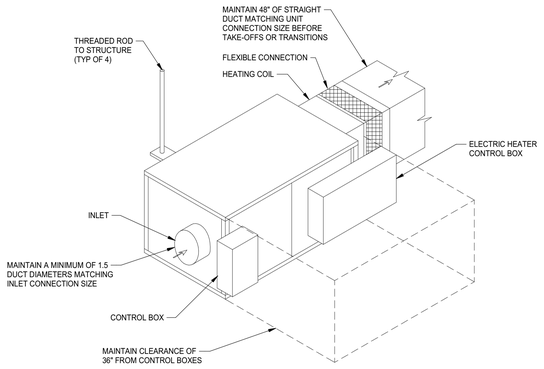
FIRE PARTITION DUCT PENETRATION DETAIL

NO SCALE



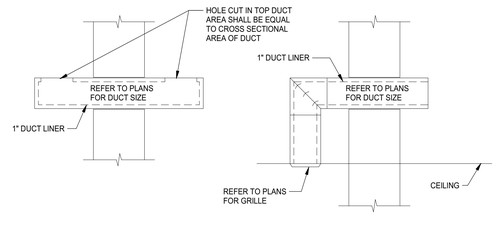
ROOF PIPE SUPPORT DETAIL

NO SCALE



VAV TERMINAL UNIT DETAIL

NO SCALE

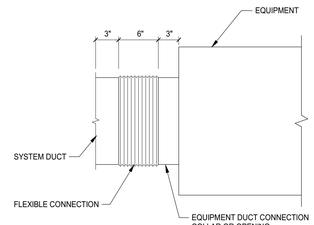


TRANSFER DUCT DETAIL

NO SCALE

SECURITY GRILLE DETAIL

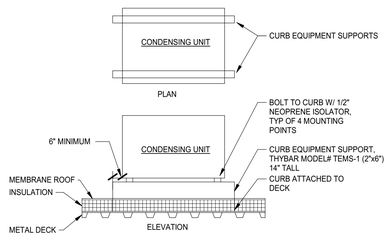
NO SCALE



NOTE: THIS DETAIL APPLIES TO ALL DUCT CONNECTIONS TO AIR HANDLING UNITS AND FANS UNLESS OTHERWISE INDICATED

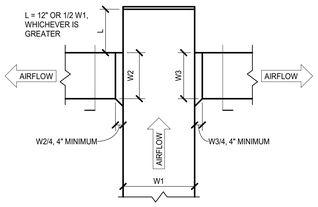
EQUIPMENT DUCT CONNECTION DETAIL

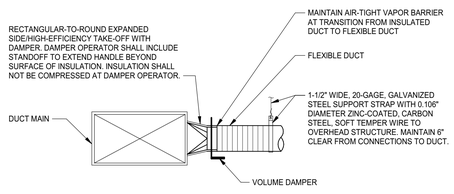
NO SCALE



CONDENSING UNIT MOUNTING DETAIL

NO SCALE





NOTES:
1. FLEXIBLE DUCT SHALL BE INSTALLED OVER METAL DUCT (BEAD/LIP ON METAL DUCT) AND ANCHORED WITH NYLON MECHANICAL BANDS OR PANDUIT STRAP.
2. IN EXPOSED AREAS, PROVIDE RIGID GALVANIZED STEEL BRANCH DUCT TO DIFFUSERS IN LIEU OF FLEXIBLE DUCT UNLESS INDICATED OTHERWISE. SUPPORT IN ACCORDANCE WITH REQUIREMENTS SPECIFIED FOR METAL DUCTS.

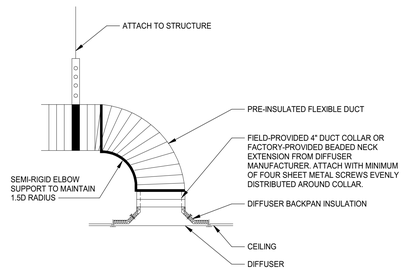
BRANCH CONNECTION TO DIFFUSER DETAILS

NO SCALE

NOTE:
1. REFER TO *BRANCH CONNECTION TO DIFFUSER DETAILS* FOR BRANCH TAKE-OFF REQUIREMENTS.

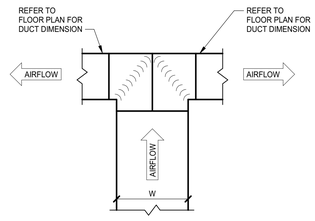
END OF DUCT MAIN DETAIL

NO SCALE



FLEXIBLE DUCT TO DIFFUSER CONNECTION DETAIL

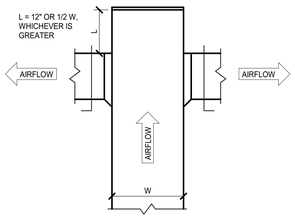
NO SCALE



NOTES:
1. APPLIES WHERE "W" EXCEEDS 24" OR WHEN AIRFLOW EXCEEDS 1,500 CFM.

DIVIDED FLOW BRANCH DETAILS

NO SCALE



NOTES:
1. REFER TO *BRANCH CONNECTION TO DIFFUSER DETAILS* FOR BRANCH TAKE-OFF REQUIREMENTS.
2. APPLIES TO:
   A. WHERE "W" IS LESS THAN 24"
   B. ROUND DUCT BRANCHES TO DIFFUSERS
   C. WHEN AIRFLOW IS EQUAL TO OR LESS THAN 1,500 CFM.

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033520 01/12/23 JOSEPH WAYNE CARLSON

MOSELEY ARCHITECTS PROFESSIONAL CORPORATION C-3469 NORTH CAROLINA CHARLOTTE

DUPLIN COUNTY DETENTION CENTER

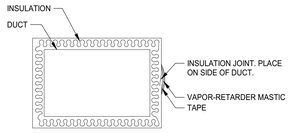
DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO:	DATE:
621373	DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

DETAILS

M5.1

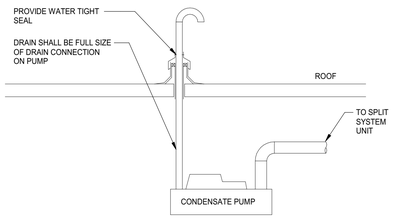
12/11/2023 11:48:06 AM



REFER TO SPECIFICATION SECTION 230700 FOR ADDITIONAL INFORMATION.

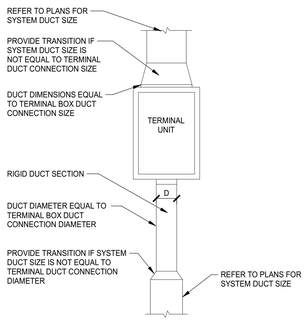
DUCT INSULATION JOINT DETAIL

NO SCALE



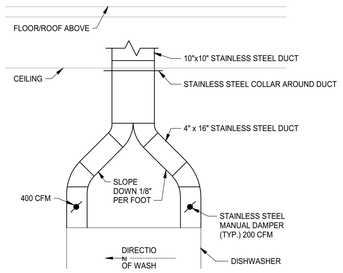
CONDENSATE DRAIN DETAIL TO ROOF

NO SCALE



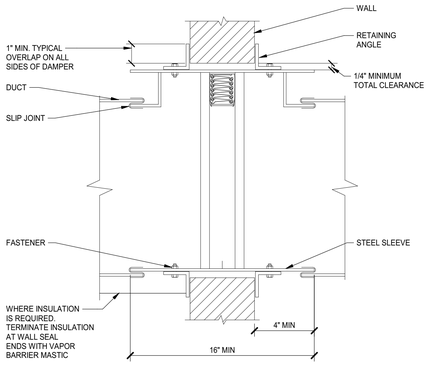
TERMINAL DUCT CONNECTION DETAIL

NO SCALE



DISHWASHER EXHAUST DETAIL

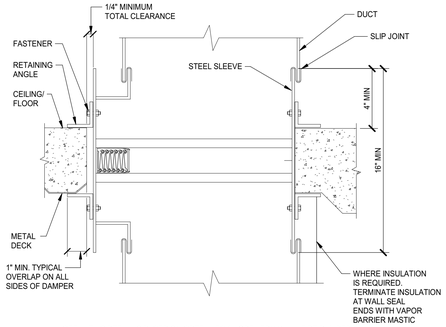
NO SCALE



NOTE: THIS DETAIL IS BASED ON GREENHECK MODEL FD150. ALL FIRE DAMPERS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR THE MODEL USED.

FIRE DAMPER INSTALLATION DETAIL - TYPE B (VERTICAL)

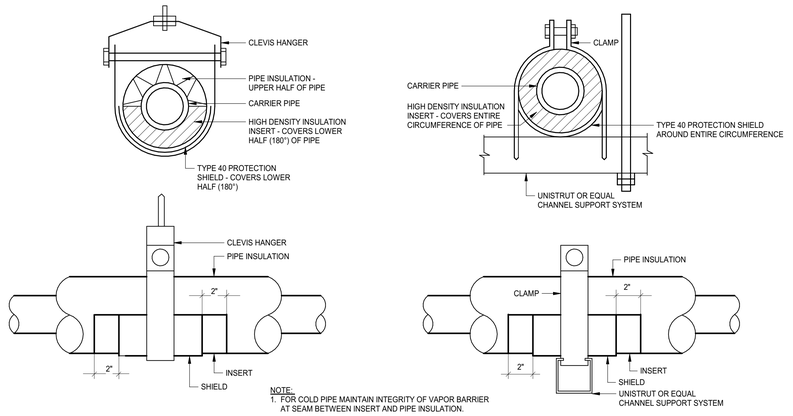
NO SCALE



NOTE: THIS DETAIL IS BASED ON GREENHECK MODEL FD150. ALL FIRE DAMPERS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR THE MODEL USED.

FIRE DAMPER INSTALLATION DETAIL - TYPE B (HORIZONTAL)

NO SCALE

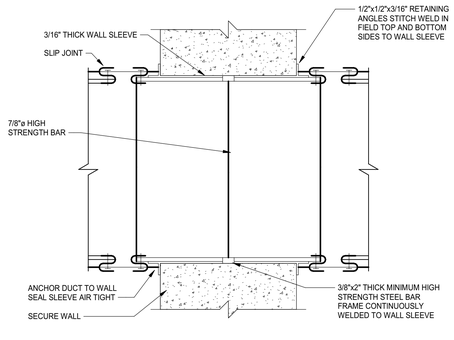


NOTE:
1. FOR COLD PIPE MAINTAIN INTEGRITY OF VAPOR BARRIER AT SEAM BETWEEN INSERT AND PIPE INSULATION.

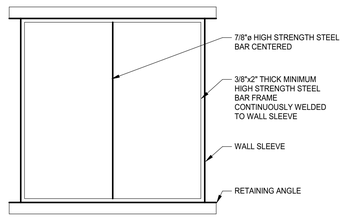
CLEVIS OR BAND HANGER **TRAPEZE OR CLAMPED SYSTEM**

PIPE SUPPORT AND THERMAL SHIELD DETAILS

NO SCALE



SECTION VIEW

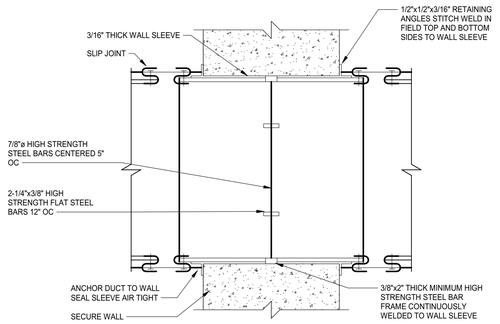


ELEVATION

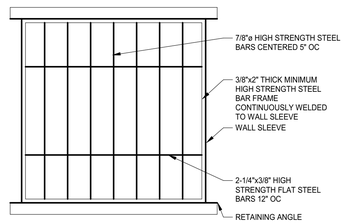
NOTE: FOR DUCTWORK WITH INSIDE CLEAR DIMENSIONS LESS THAN OR EQUAL TO 12x12

INTERIOR SECURITY WALL - DUCT MOUNTED SECURITY BAR DETAIL - SMALL

NO SCALE



SECTION VIEW

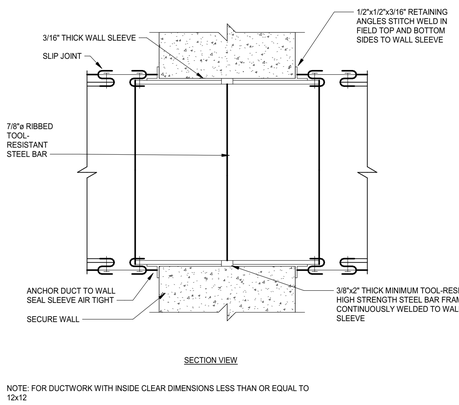


ELEVATION

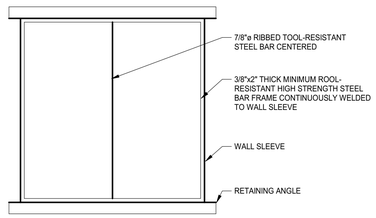
NOTE: FOR DUCTWORK WITH INSIDE CLEAR DIMENSIONS GREATER THAN 12x12

INTERIOR SECURITY WALL - DUCT MOUNTED SECURITY BAR DETAIL - LARGE

NO SCALE



SECTION VIEW

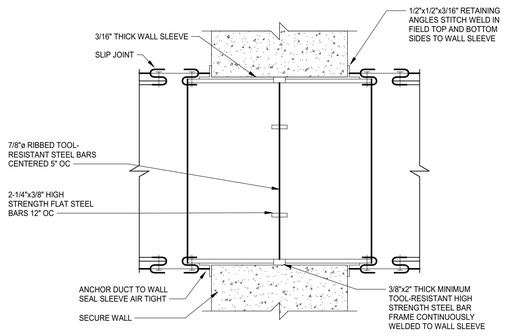


ELEVATION

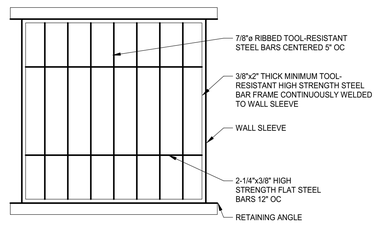
NOTE: FOR DUCTWORK WITH INSIDE CLEAR DIMENSIONS LESS THAN OR EQUAL TO 12x12

PERIMETER SECURITY WALL - DUCT MOUNTED SECURITY BAR DETAIL - SMALL

NO SCALE



SECTION VIEW



ELEVATION

NOTE: FOR DUCTWORK WITH INSIDE CLEAR DIMENSIONS GREATER THAN 12x12

PERIMETER SECURITY WALL - DUCT MOUNTED SECURITY BAR DETAIL - LARGE

NO SCALE

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL 033520 01/12/23 JOSEPH W. CARLSON

MOSELEY ARCHITECTS P.A. NORTH CAROLINA FIRM CORPORATION LICENSE NUMBER C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

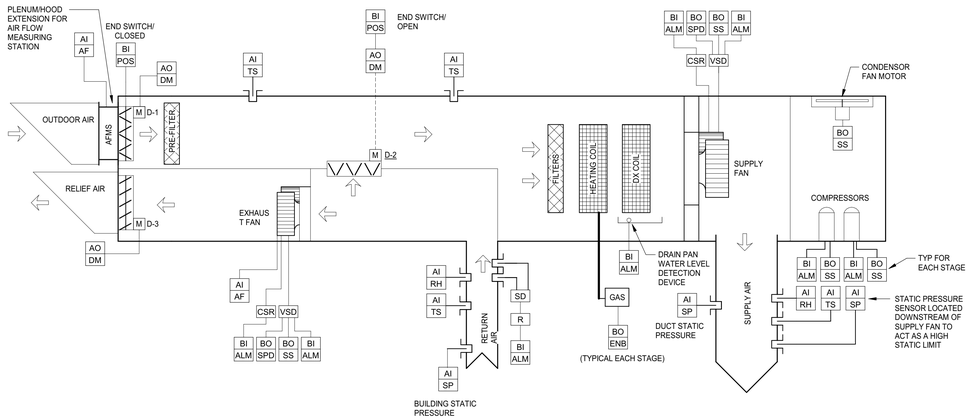
DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

DETAILS

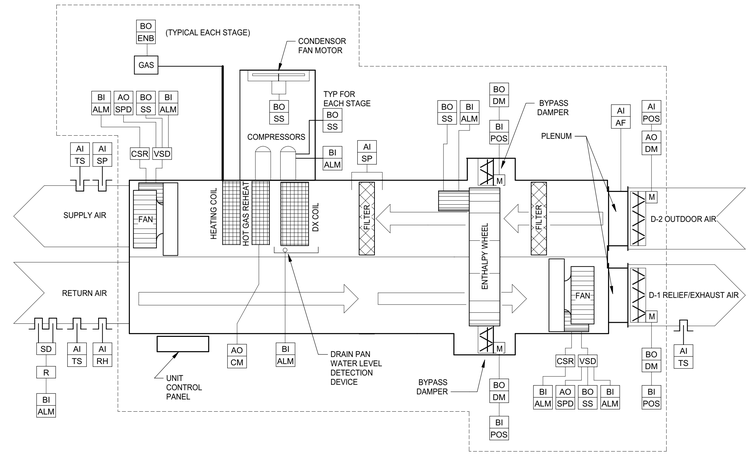
M5.2

12/11/2023 11:48:07 AM



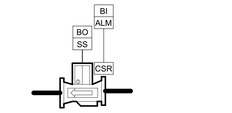
PACKAGED VAV ROOFTOP UNIT SERVING TERMINAL UNITS

NO SCALE



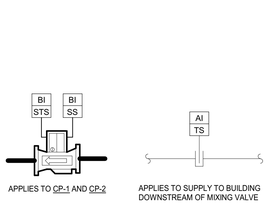
DEDICATED OUTSIDE AIR SYSTEM WITH ENERGY RECOVERY

NO SCALE



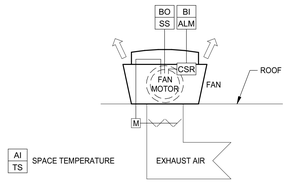
DOMESTIC HOT WATER PUMP (CP-01)

NO SCALE



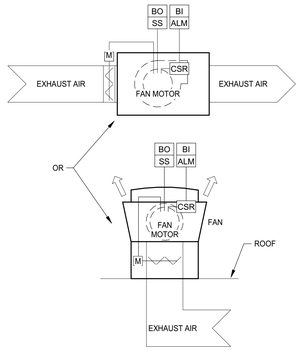
DOMESTIC WATER PUMP AND TEMPERATURE MONITORING

NO SCALE



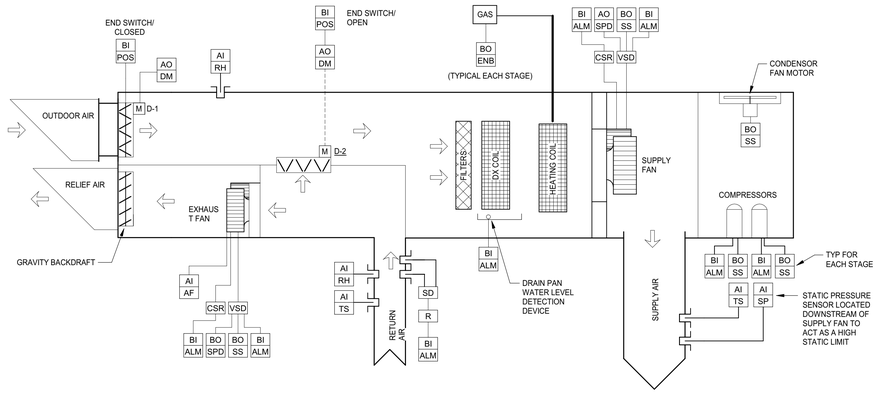
TEMPERATURE EXHAUST FAN CONTROL

NO SCALE



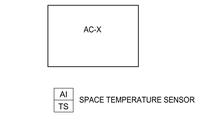
EXHAUST FAN - CONTROLLED BY BAS SCHEDULE

NO SCALE



PACKAGED CONSTANT VOLUME SINGLE ZONE ROOFTOP UNIT

NO SCALE

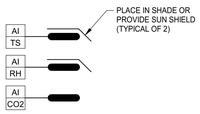


DUCTLESS SPLIT-SYSTEM AC UNITS

NO SCALE

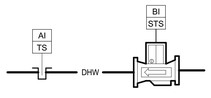


EMERGENCY GENERATOR MONITORING

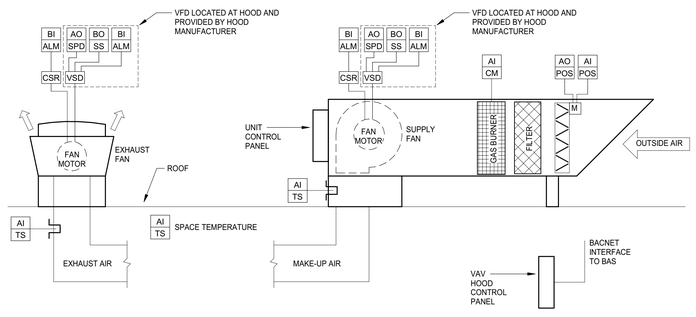


OUTDOOR AIR SENSORS

NO SCALE

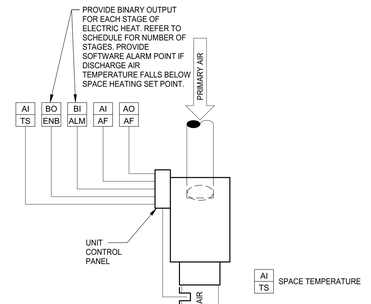


DOMESTIC HOT WATER



MAKE-UP AIR HANDLING UNIT & EXHAUST FAN VAV HOOD CONTROLLED

NO SCALE



TERMINAL UNIT WITH STEP CONTROLLED ELECTRIC HEAT

NO SCALE

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033520 01/01/25 JOHN P CARLSON

MOSELEY ARCHITECTS PROFESSIONAL CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

CONTROLS

M7.1

12/11/2023 11:48:10 AM

POWER DEVICE / EQUIPMENT LEGEND

SYMBOL	DESCRIPTION
NOTE:	REFER TO 'TYPICAL DEVICE ELEVATION DETAIL' FOR DEVICE MOUNTING REQUIREMENTS. FOLLOWING DEVICES ARE DENOTED AS KEYNOTE TWO IN DETAIL:
	OVERHEAD DOOR CONTROLLER.
	DOORBELL PUSH BUTTON.
	EMERGENCY POWER OFF (E.P.O) SWITCH.
	HANDICAP DOOR OPERATOR SWITCH.
NOTE:	REFER TO 'TYPICAL DEVICE ELEVATION DETAIL' FOR DEVICE MOUNTING REQUIREMENTS. FOLLOWING DEVICES ARE DENOTED AS KEYNOTE THREE IN DETAIL:
	NON-FUSIBLE DISCONNECT SWITCH.
	FUSIBLE DISCONNECT SWITCH.
	ENCLOSED CIRCUIT BREAKER, CHARACTERISTICS AS INDICATED.
	MANUAL MOTOR STARTER, OVERLOAD PROTECTION AS REQUIRED PER NAME PLATE RATINGS, WITH 'ON' INDICATOR PILOT LIGHT.
	MAGNETIC MOTOR STARTER, OVERLOAD RELAYS AS REQUIRED TO SERVE MANUFACTURER REQUIREMENTS OF EQUIPMENT SERVED. PROVIDE WITH HAND-OFF-AUTOMATIC SELECTOR SWITCH AND INDICATOR LIGHTS.
	COMBINATION MAGNETIC STARTER AND DISCONNECT SWITCH, OVERLOAD ELEMENTS AND FUSING AS REQUIRED TO SERVE MANUFACTURER REQUIREMENTS OF EQUIPMENT SERVED. PROVIDE WITH HAND-OFF-AUTOMATIC SELECTOR SWITCH AND INDICATOR LIGHTS.
NOTE:	REFER TO 'TYPICAL DEVICE ELEVATION DETAIL' FOR DEVICE MOUNTING REQUIREMENTS. FOLLOWING DEVICES ARE DENOTED AS KEYNOTE FOUR IN DETAIL:
B	DOORBELL CHIME, WALL MOUNTED.
NOTE:	MOUNT THE FOLLOWING DEVICES AS NOTED:
F	FLUSH VALVE TRANSFORMER POWER CONNECTION, PROVIDE A 4"X4" RECESSED JB AND MOUNT POWER SUPPLY PROVIDED BY DIV 22. COORDINATE CONNECTION WITH DIV 22. PROVIDE A 2"X4" JB AT EACH TOILET, SINK AND WATER CLOSET AS RECOMMENDED BY THE MANUFACTURER. PROVIDE 2 #14 IN 1/2"C "DAISY CHAINED" BETWEEN UP TO EIGHT BOXES AND TERMINATING AT POWER SUPPLY.
V	ISOLATION VALVE. REFER TO ISOLATION VALVE CONTROL DETAIL ON DRAWING E4 SERIES DRAWING.
EC	EQUIPMENT POWER CONNECTION.
J	JUNCTION BOX, CONCEALED ABOVE CEILING, UNO.
J	JUNCTION BOX, WALL MOUNTED. MOUNTING HEIGHT AS INDICATED ON PLANS.
M	MOTOR POWER CONNECTION.
T_M	MOTOR RATED SWITCH WITH OVERLOAD PROTECTION.
T	LINE VOLTAGE THERMOSTAT. DIVISION 23 FURNISH, DIVISION 26 INSTALL. REFER TO DIVISION 23 DRAWINGS FOR LOCATIONS AND QUANTITY.
M	POWER FOR DIV 23 MOTORIZED DAMPER. REFER TO DIVISION 23 DRAWINGS FOR LOCATIONS AND QUANTITY.
	NON-METALLIC SURFACE RACEWAY, DEVICES AS INDICATED, MOUNTING HEIGHT INDICATED ON PLANS.
	PANELBOARD OR SWITCHBOARD, PROVIDE 6 INCH CONCRETE HOUSEKEEPING PAD FOR ALL GROUND MOUNTED EQUIPMENT UNLESS NOTED OTHERWISE. DENOTED BY PANELBOARD/SWITCHBOARD TAG PER ONE-LINE DIAGRAM.
	TRANSFORMER, PROVIDE 4 INCH CONCRETE HOUSEKEEPING PAD UNLESS NOTED OTHERWISE. DENOTED BY TRANSFORMER TAG PER ONE-LINE DIAGRAM.
	UTILITY METER. MOUNT PER UTILITY STANDARDS, UNO.
XXX	FEEDER TAG. REFER TO FEEDER SCHEDULE ON DWG E5.1.
XX	[FOR MULTI-FAMILY HOUSING PROJECTS ONLY] RESIDENTIAL UNIT METERCENTER IDENTIFICATION TAG. IDENTIFIES THE METERCENTER THAT PROVIDES POWER TO THE RESIDENTIAL UNIT LOADCENTER.
	[FOR SENIOR LIVING PROJECTS ONLY] RESIDENTIAL UNIT PANELBOARD DESIGNATION TAG. IDENTIFIES THE PANELBOARD & CIRCUIT THAT PROVIDES POWER TO THE RESIDENTIAL UNIT LOADCENTER.
	BRANCH CIRCUIT RUN CONCEALED, UNO. DASHED INDICATES CIRCUITRY REQUIRED TO BE RUN BELOW SLAB.
	BRANCH CIRCUIT HOME RUN TO PANELBOARD AND CIRCUIT INDICATED.

RECEPTACLE DEVICE LEGEND

SYMBOL	DESCRIPTION
NOTE:	REFER TO 'TYPICAL DEVICE ELEVATION DETAIL' FOR DEVICE MOUNTING REQUIREMENTS. FOLLOWING DEVICES ARE DENOTED AS KEYNOTE ONE IN DETAIL:
	APPLIANCE RECEPTACLE. PROVIDE NEMA CONFIGURATION TO MATCH PLUG FOR EQUIPMENT SERVED.
	DUPLEX RECEPTACLE, NEMA 5-20R.
	DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R.
	GFCI DUPLEX RECEPTACLE, NEMA 5-20R.
	SINGLE RECEPTACLE, NEMA 5-20R.
	SWITCHED DUPLEX RECEPTACLE WITH SPLIT YOKE, THE BOTTOM OUTLET IS SWITCHED & THE TOP OUTLET IS UNSWITCHED, NEMA 5-15R.
NOTE:	REFER TO 'TYPICAL DEVICE ELEVATION DETAIL' FOR DEVICE MOUNTING REQUIREMENTS. FOLLOWING DEVICES ARE DENOTED AS KEYNOTE TWO IN DETAIL:
	DUPLEX RECEPTACLE, NEMA 5-20R.
	DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R.
	GFCI DUPLEX RECEPTACLE, NEMA 5-20R.
	SINGLE RECEPTACLE, NEMA 5-20R.
NOTE:	REFER TO 'TYPICAL DEVICE ELEVATION DETAIL' FOR DEVICE MOUNTING REQUIREMENTS. FOLLOWING DEVICES ARE DENOTED AS KEYNOTE FOUR IN DETAIL:
	DUPLEX RECEPTACLE, NEMA 5-20R.
	GFCI DUPLEX RECEPTACLE, NEMA 5-20R.
NOTE:	MOUNT THE FOLLOWING DEVICES AS NOTED:
	DUPLEX RECEPTACLE, NEMA 5-20R, CEILING MOUNT.
	DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, CEILING MOUNT.
	DUPLEX RECEPTACLE, NEMA 5-20R, RECESS FLOOR MOUNT.
	DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, RECESS FLOOR MOUNT.
	CORD REEL OUTLET, CEILING MOUNT.

SYMBOL VARIATIONS	DESCRIPTION
	RECEPTACLE CONNECTED TO EMERGENCY POWER, PROVIDE RED DEVICE. TYPE OF RECEPTACLE MAY VARY.
	GFCI RECEPTACLE CONNECTED TO EMERGENCY POWER, PROVIDE RED DEVICE. TYPE OF RECEPTACLE MAY VARY.
	PROTECTIVE COVER FOR RECEPTACLE. PROVIDE NEMA 3R "WHILE IN USE" ENCLOSURE FOR ALL EXTERIOR LOCATIONS. TYPE OF RECEPTACLE MAY VARY.
	PLUG LOAD CONTROLLED RECEPTACLE. TYPE OF RECEPTACLE MAY VARY.
	RECEPTACLE WITH USB PORTS. TYPE OF RECEPTACLE MAY VARY.

POWER / COMMUNICATION DEVICE LEGEND

SYMBOL	DESCRIPTION
#	POWER/COMMUNICATIONS RECESSED FLOOR BOX. WHERE INDICATED, SUBSCRIPT NUMBER INDICATES OUTLET TYPE. REFER TO DETAIL ON E4 SERIES DRAWINGS.
#	POWER/COMMUNICATIONS POKE THRU FLOOR BOX. WHERE INDICATED, SUBSCRIPT NUMBER INDICATES OUTLET TYPE. REFER TO DETAIL ON E4 SERIES DRAWINGS.
SFT	SYSTEM FURNITURE FLEX POWER CABLE CONNECTION V/A FLOOR BOX WITH COVER SUITABLE FOR SYSTEM FURNITURE CONNECTION. REFER TO DETAIL ON E4 SERIES DRAWINGS. COORDINATE W/ SYSTEM FURNITURE PROVIDER PRIOR TO ROUGH-IN.
SFT	SYSTEM FURNITURE FLEX POWER CABLE CONNECTION V/A FLUSH WALL BOX MOUNTED 4" AFF. REFER TO DETAIL ON E4 SERIES DRAWINGS. COORDINATE W/FURNITURE PROVIDER PRIOR TO ROUGH-IN.
P T	RECEPTACLE MOUNTED BESIDE TELECOMMUNICATION OUTLET. PROVIDE RECEPTACLE BASED ON "P" IN LEFT SYMBOL BOX. "P" INSIDE LEFT SYMBOL BOX SHALL BE ONE OF THE SYMBOLS FROM RECEPTACLE DEVICE LEGEND. PROVIDE TELECOMMUNICATION OULTET BASED ON "T" IN RIGHT SYMBOL BOX. "T" INSIDE RIGHT SYMBOL BOX SHALL BE ONE OF THE SYMBOLS FROM COMMUNICATIONS LEGEND.
P TV	RECEPTACLE AND TELECOMMUNICATION OUTLET MOUNTED INSIDE WALL MOUNTED FLAT DISPLAY BOX. PROVIDE RECEPTACLE BASED ON "P" IN LEFT SYMBOL BOX. "P" INSIDE LEFT SYMBOL BOX SHALL BE ONE OF THE SYMBOLS FROM RECEPTACLE DEVICE LEGEND. COORDINATE MOUNTING HEIGHTS WITH ARCHITECTURAL DRAWINGS.

SYMBOL VARIATIONS	DESCRIPTION
	POWER/COMMUNICATIONS RECESSED FLOOR BOX OR POKE THRU CONNECTED TO EMERGENCY POWER, PROVIDE RED DEVICES.
P T	PROTECTIVE COVER FOR RECEPTACLE AND TELECOMMUNICATION OUTLET. PROVIDE NEMA 3R "WHILE IN USE" ENCLOSURE FOR ALL EXTERIOR LOCATIONS. TYPE OF RECEPTACLE AND TELECOMMUNICATION OUTLET MAY VARY.
P T	PLUG LOAD CONTROLLED RECEPTACLE MOUNTED BESIDE TELECOMMUNICATION OUTLET. TYPE OF RECEPTACLE AND TELECOMMUNICATION OUTLET MAY VARY.
P T	RECEPTACLE WITH USB PORTS MOUNTED BESIDE TELECOMMUNICATION OUTLET. TYPE OF RECEPTACLE AND TELECOMMUNICATION OUTLET MAY VARY.

FIRE ALARM LEGEND

SYMBOL	DESCRIPTION
NOTE:	REFER TO 'TYPICAL DEVICE ELEVATION DETAIL' FOR DEVICE MOUNTING REQUIREMENTS.
H	FIRE ALARM AUDIO/VISUAL NOTIFICATION DEVICE. NUMBER INDICATES STROBE CANDELA RATING.
H	FIRE ALARM VISUAL NOTIFICATION DEVICE. NUMBER INDICATES STROBE CANDELA RATING.
H	FIRE ALARM AUDIO/VISUAL NOTIFICATION DEVICE, CEILING MOUNTED. NUMBER INDICATES STROBE CANDELA RATING.
H	FIRE ALARM VISUAL NOTIFICATION DEVICE, CEILING MOUNTED. NUMBER INDICATES STROBE CANDELA RATING.
F	FIRE ALARM MANUAL PULL STATION.
FK	FIRE ALARM KEY OPERATED MANUAL PULL STATION.
CM	CARBON MONOXIDE DETECTOR, CEILING MOUNT.
CC	COMBINATION SMOKE DETECTOR / CARBON MONOXIDE, CEILING MOUNT.
H	HEAT DETECTOR, CEILING MOUNT.
S	SMOKE DETECTOR, CEILING MOUNT.
SD	FIRE ALARM DUCT SMOKE DETECTOR, FURNISH AND CONNECT UNDER DIVISION 28. INSTALL UNDER DIVISION 23. VERIFY LOCATION WITH DIVISION 23 PRIOR TO ROUGH-IN. PROVIDE ACCESSIBLE KEY OPERATED REMOTE TEST SWITCH FOR EACH DETECTOR.
TS	FIRE ALARM TAMPER SWITCH, PROVIDE UNDER DIVISION 21, FURNISH AND CONNECT MONITOR MODULE TO MONITOR UNDER DIVISION 28.
FS	FIRE ALARM FLOW SWITCH, PROVIDE UNDER DIVISION 21, FURNISH AND CONNECT MONITOR MODULE TO MONITOR UNDER DIVISION 28.
PI	POST INDICATOR VALVE SWITCH, PROVIDE UNDER DIVISION 21, FURNISH AND CONNECT MONITOR MODULE TO MONITOR UNDER DIVISION 28.
PS	FIRE ALARM PRESSURE SWITCH, PROVIDE UNDER DIVISION 21, FURNISH AND CONNECT MONITOR MODULE TO MONITOR UNDER DIVISION 28.
RI	FIRE ALARM REMOTE INDICATOR, CEILING MOUNT.
M	FIRE ALARM MONITOR MODULE. NOT ALL MONITOR MODULES ARE INDICATED ON DRAWINGS. PROVIDE QUANTITY AND IN LOCATIONS REQUIRED TO ACCOMPLISH SPECIFIED MONITORING FUNCTIONS.
C	FIRE ALARM CONTROL MODULE. NOT ALL CONTROL MODULES ARE INDICATED ON DRAWINGS. PROVIDE QUANTITY AND IN LOCATIONS REQUIRED TO ACCOMPLISH SPECIFIED CONTROL FUNCTIONS.
B	FIRE ALARM SPRINKLER BELL, MOUNT AT +10'-0"AFF. PROVIDE CONCEALED 120-VOLT POWER CONNECTION
M	FIRE ALARM MAGNETIC DOOR HOLDER, WALL MOUNT. PROVIDE HINGED MAGNETIC CATCH PLATE ON DOOR TO MATE WITH DEVICE, COORDINATE LOCATION AND LENGTH WITH DIVISION 08. PROVIDE CONCEALED 24-VOLT POWER CONNECTION AND FIRE ALARM CONTROL MODULE IF REQUIRED FOR PROPER OPERATION.
M	FIRE ALARM MAGNETIC DOOR HOLDER, FLOOR MOUNT. PROVIDE HINGED MAGNETIC CATCH PLATE ON DOOR TO MATE WITH DEVICE, COORDINATE LOCATION AND LENGTH WITH DIVISION 08. PROVIDE CONCEALED 24-VOLT POWER CONNECTION AND FIRE ALARM CONTROL MODULE IF REQUIRED FOR PROPER OPERATION.
	FIRE ALARM/POWER CONNECTION TO DIVISION 23 SMOKE OR FIRE/SMOKE DAMPER. COORDINATE WITH DIVISION 23. REFER TO TYPICAL FIRE/SMOKE DAMPER DIAGRAM.

SYMBOL VARIATIONS	DESCRIPTION
X	WIRE GUARD FOR FIRE ALARM NOTIFICATION DEVICE. TYPE OF NOTIFICATION DEVICE MAY VARY.
X	DEVICE COVER FOR FIRE ALARM NOTIFICATION DEVICE. NUMBER INDICATES STROBE SETTING AND REDUCED EFFECTIVE OUTPUT WHEN DEVICE COVER IS PRESENT. TYPE OF NOTIFICATION DEVICE MAY VARY.
	WIRE GUARD FOR FIRE ALARM INITIATION DEVICE. TYPE OF INITIATION DEVICE MAY VARY.
	SOUNDER BASE FOR FIRE ALARM INITIATION DEVICE. TYPE OF INITIATION DEVICE MAY VARY.
	FIRE ALARM WALL MOUNTED INITIATION DEVICE. TYPE OF INITIATION DEVICE MAY VARY.

ONE LINE DIAGRAM LEGEND

SYMBOL	DESCRIPTION
	CIRCUIT BREAKER
	FUSED SWITCH
	TRANSFORMER
	TRANSFER SWITCH
XXX	FEEDER DESIGNATION
CT	CURRENT TRANSFORMER
PT	POTENTIAL TRANSFORMER

COMMUNICATIONS LEGEND

SYMBOL	DESCRIPTION
NOTE:	REFER TO 'TYPICAL DEVICE ELEVATION DETAIL' FOR DEVICE MOUNTING REQUIREMENTS. FOLLOWING DEVICES ARE DENOTED AS KEYNOTE ONE IN DETAIL:
$\blacktriangledown_X$	TELECOMMUNICATIONS OUTLET, WHERE INDICATED, SUBSCRIPT NUMBER INDICATES OUTLET TYPE. REFER TO DETAIL ON E4 SERIES DRAWINGS.
TGB	TELECOMMUNICATIONS GROUND BUS BAR.
TMGB	TELECOMMUNICATIONS MAIN GROUND BUS BAR.
NOTE:	REFER TO 'TYPICAL DEVICE ELEVATION DETAIL' FOR DEVICE MOUNTING REQUIREMENTS. FOLLOWING DEVICES ARE DENOTED AS KEYNOTE TWO IN DETAIL:
∇_X	TELECOMMUNICATIONS OUTLET, WHERE INDICATED, SUBSCRIPT NUMBER INDICATES OUTLET TYPE. REFER TO DETAIL ON E4 SERIES DRAWINGS.
NOTE:	REFER TO 'TYPICAL DEVICE ELEVATION DETAIL' FOR DEVICE MOUNTING REQUIREMENTS. FOLLOWING DEVICES ARE DENOTED AS KEYNOTE THREE IN DETAIL:
	INTERCOM STATION WITH PUSHBUTTON.
	MASTER INTERCOM STATION.
	PUSHBUTTON SWITCH.
NOTE:	MOUNT THE FOLLOWING DEVICES AS NOTED:
	MISC COMMUNICATIONS OUTLET. REFER TO DETAIL ON E4 SERIES DRAWINGS.
	RECESSED FLOOR MOUNT DEVICE COMPLETE WITH FITTINGS FOR FLOOR COVERING. REFER TO DETAIL ON E4 SERIES DRAWINGS.
	RECESSED FLOOR MOUNT DEVICE COMPLETE WITH FITTINGS FOR FLOOR COVERING. REFER TO DETAIL ON E4 SERIES DRAWINGS.
	CATV OUTLET, COORDINATE MOUNTING HEIGHTS WITH ARCHITECTURAL DRAWINGS.
	MISC CATV OUTLET, COORDINATE MOUNTING HEIGHTS WITH ARCHITECTURAL DRAWINGS.
S	SOUND SYSTEM SPEAKER, RECESS CEILING MOUNT.
W	WIRELESS ACCESS POINT.
	2 POST TELECOMMUNICATIONS EQUIPMENT RACK.
	4 POST TELECOMMUNICATIONS EQUIPMENT RACK.
	2" EMT CONDUIT SLEEVE WITH NYLON BUSHING EACH END UNO, THRU WALL AT +6" ABOVE FINISHED CEILING.
	24" WIDE CABLE TRAY

LIGHTING LEGEND

SYMBOL	DESCRIPTION
NOTE:	REFER TO 'TYPICAL DEVICE ELEVATION DETAIL' FOR DEVICE MOUNTING REQUIREMENTS.
S	LIGHT SWITCH, RATED 120/277 VOLTS, 20-AMPS.
S_S	LIGHT SWITCHES WIRED FOR INBOARD/OUTBOARD SWITCHING, RATED 120/277 VOLTS, 20-AMPS.
	SUBSCRIPT/SUPERSCRIPT LETTERS, NUMBERS, AND SYMBOLS INDICATES SWITCH TYPE AS FOLLOWS:

3	INDICATES 3-WAY LIGHT SWITCH
4	INDICATES 4-WAY LIGHT SWITCH
D	INDICATES DIMMER SWITCH
D3	INDICATES 3-WAY DIMMER LIGHT SWITCH
D4	INDICATES 4-WAY DIMMER LIGHT SWITCH
K	INDICATES KEY OPERATED LIGHT SWITCH
K3	INDICATES KEY OPERATED 3-WAY LIGHT SWITCH
K4	INDICATES KEY OPERATED 4-WAY LIGHT SWITCH
LV	INDICATES LOW VOLTAGE LIGHT SWITCH
OS	INDICATES SWITCH WITH INTEGRAL OCCUPANCY SENSOR
OD	INDICATES DIMMER SWITCH WITH INTEGRAL OCCUPANCY SENSOR
P	INDICATES PILOT LIGHT, ON WHEN SWITCH IS ON
T	INDICATES TIMER LIGHT SWITCH
VS	INDICATES SWITCH WITH INTEGRAL VACANCY SENSOR
VD	INDICATES DIMMER SWITCH WITH INTEGRAL VACANCY SENSOR

LOWER CASE LETTER INDICATES LIGHT FIXTURE CONTROL DESIGNATION

	OMNI-DIRECTIONAL LIGHTING CONTROL OCCUPANCY DETECTOR, CEILING MOUNT.
	DIRECTIONAL LIGHTING CONTROL OCCUPANCY DETECTOR, WALL MOUNT AT 6" BELOW FINISHED CEILING.
	OMNI-DIRECTIONAL LIGHTING CONTROL VACANCY DETECTOR, CEILING MOUNT.
	DIRECTIONAL LIGHTING CONTROL VACANCY DETECTOR, WALL MOUNT AT 6" BELOW FINISHED CEILING.
PC	PHOTOCELL SENSOR FOR LIGHTING CONTROL. WALL MOUNT AT +10-0"AFF. AIM NORTH.
	LIGHT FIXTURE, CEILING MOUNT.
	LIGHT FIXTURE ON EMERGENCY POWER, CEILING MOUNT.
	LIGHT FIXTURE, WALL MOUNT, HEIGHT AS INDICATED.
	LIGHT FIXTURE ON EMERGENCY POWER, WALL MOUNT, HEIGHT AS INDICATED.
	EXIT SIGN, CEILING MOUNT. DIRECTIONAL ARROWS AS INDICATED. SHADING INDICATES FACE(S) OF SIGN.
	EXIT SIGN, WALL MOUNT. DIRECTIONAL ARROWS AS INDICATED. SHADING INDICATES FACE(S) OF SIGN.
	LIGHT FIXTURE, POLE MOUNT.

GENERAL NOTES

A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.

B. FOLLOW MOUNTING HEIGHTS INDICATED IN THE ELECTRICAL LEGEND UNLESS OTHERWISE INDICATED. MEASURE ALL MOUNTING HEIGHTS FROM THE DEVICE CENTER LINE UNLESS OTHERWISE INDICATED.

C. FIELD VERIFY EXACT FEEDER LOCATIONS FOR MECHANICAL EQUIPMENT PRIOR TO ROUGH-IN.

D. EQUIPMENT CONNECTIONS ARE INDICATED IN THEIR APPROXIMATE LOCATIONS. VERIFY EXACT LOCATIONS OF ALL CONNECTIONS WITH OTHER TRADES SUPPLYING EQUIPMENT TO AVOID CONFLICTS AT INSTALLATION.

E. LOCATED ALL SWITCHES FOR LOCAL CONTROL OF LIGHTING ON STRIKE SIDE OF SINGLE DOORS UNLESS OTHERWISE INDICATED.

F. PROVIDE SPECIFIC BREAKER ARRANGEMENT FOR THE PANEL BOARDS WHEREVER PHYSICALLY POSSIBLE. PROVIDE AS-BUILT DRAWINGS INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT. PROVIDE TYPE WRITTEN PANELBOARD DIRECTORIES INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT.

G. PROVIDE AS-BUILT DRAWINGS INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT. PROVIDE TYPEWRITTEN PANELBOARD DIRECTORIES INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT. HAND WRITTEN SCHEDULES ARE NOT ACCEPTABLE.

H. ALL CONDUIT RUNS INDICATED ARE DIAGRAMMATIC, COORDINATE ROUTING IN ALL SPACES WITH OTHER TRADES.

I. ALL PANELBOARDS INDICATED ARE HOUSED IN A SINGLE WIDTH ENCLOSURE, LINO. THE CONTRACTOR SHALL FIELD VERIFY ROOM LAYOUT AND ADJUST ACCORDINGLY, AT NO COST TO THE OWNER, IF PROVIDING ANY PANELBOARD ENCLOSURES.

J. WHERE POWER AND COMMUNICATION OUTLETS ARE INDICATED IN CLOSE PROXIMITY ON THE DRAWINGS, FIELD COORDINATE THE LOCATIONS TO PLACE THE OUTLETS ADJACENT TO EACH OTHER.

K. ALL EXTERIOR RECEPTACLES SHALL BE LABELED "WR" - WEATHER RESISTANT.

L. WHEN GROUPING MULTIPLE LINE TO NEUTRAL BRANCH CIRCUITS IN A CONDUIT, PROVIDE DEDICATED COLOR CODED NEUTRAL CONDUCTORS FOR EACH CIRCUIT. DO NOT USE BREAKER TIES AND SHARED NEUTRALS EVEN THOUGH PERMITTED BY NEC.

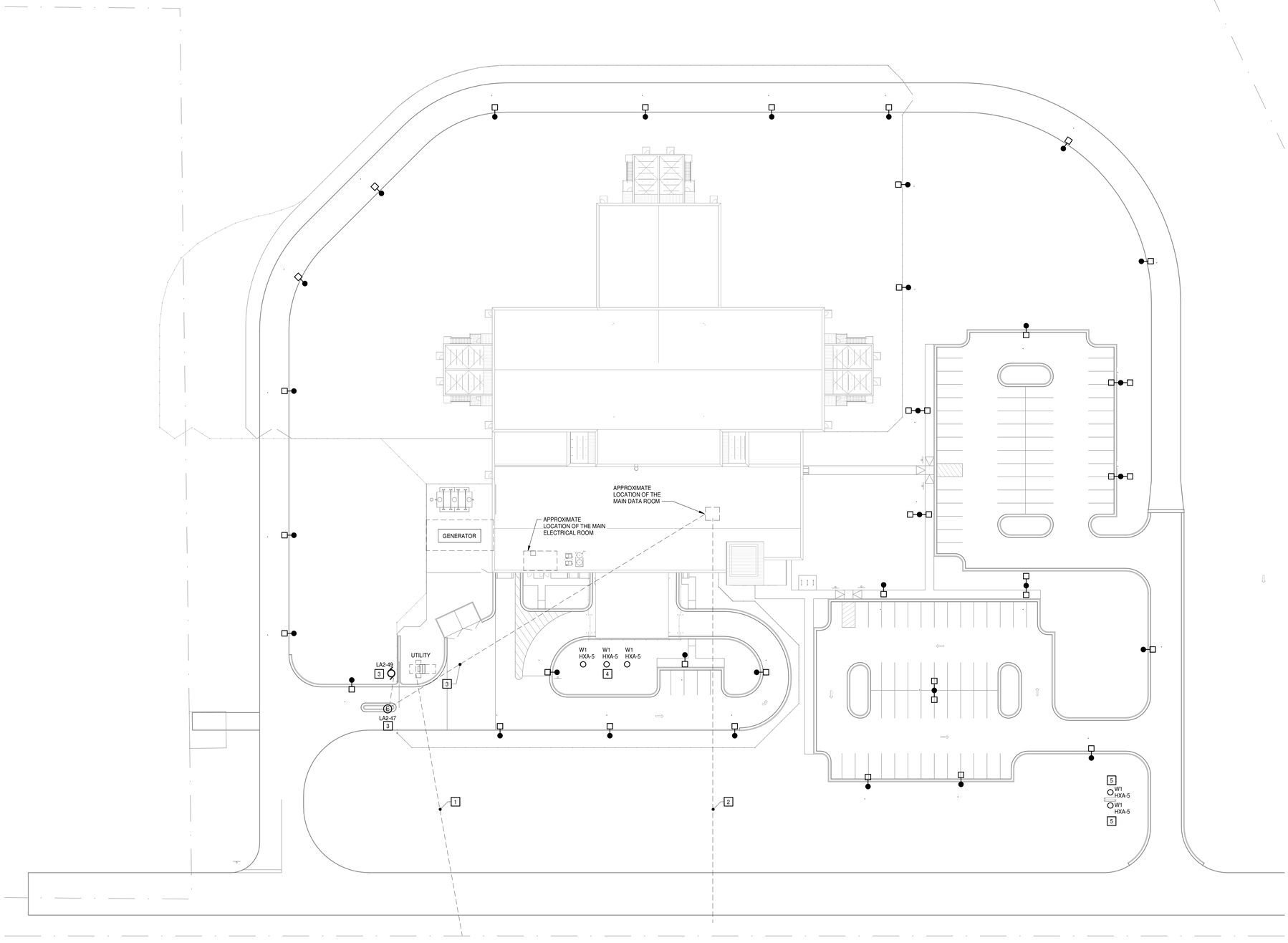
M. PROVIDE A 2" WIDE YELLOW LINE PAINTED ON THE FLOOR INDICATING THE ELECTRICAL WORKING SPACE. IN FRONT OF ALL ELECTRICAL PANELS IN ELECTRICAL ROOMS. REFER TO PLANS FOR ELECTRICAL WORKING SPACE DETAILS. STENCIL "NO STORAGE" IN 2" HIGH, YELLOW LETTERS CENTERED IN THE OUTLINED AREA.

ABBREVIATIONS

1P	SINGLE PHASE
3P	THREE PHASE
3R	WEATHERPROOF (NEMA 3R)
A	AMPS
AFF	ABOVE FINISHED FLOOR
AL	ALUMINUM
ATS	AUTOMATIC TRANSFER SWITCH
BFC	BELOW FINISHED CEILING
BFG	BELOW FINISHED GRADE
BKR	BREAKER
C	CONDUIT
CATV	COMMUNITY ANTENNA TELEVISION (CABLE)
CB	CIRCUIT BREAKER
CBL	CABLE
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CLG	CEILING
CLR	CLEAR
CO.	COMPANY
COMB	COMBINATION
COMM	COMMUNICATIONS
CU	COPPER
DIA	DIAMETER
DISC	DISCONNECT
DIV	DIVISION
DWG	DRAWING
EBH	ELECTRIC BASEBOARD HEATER
EC	EMPTY CONDUIT
ECS	EMERGENCY COMMUNICATIONS STATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EPO	EMERGENCY POWER OFF
EQ	EQUIPMENT
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EX	EXISTING
EXT	EXTERIOR
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FAGP	FIRE ALARM GRAPHIC PANEL
FAXP	FIRE ALARM EXTENDER PANEL
FFSCP	FIRE FIGHTER'S SMOKE CONTROL PANEL
FLA	FULL LOAD AMPS
FPMR	FUSE PER MANUFACTURERS REQUIREMENTS/RECOMMENDATIONS
FPND	FUSE PER NAMEPLATE DATA
G	GROUND
GE	GROUND FAULT PROTECTION FOR EQUIPMENT, 6-50mA PER NEC 427.22 (PROVIDE ACCESSORY FOR INDICATED BREAKER)
GFCI	GROUND FAULT CIRCUIT INTERRUPT
GFP	GROUND FAULT PROTECTION FOR PERSONNEL, 4-6mA (PROVIDE ACCESSORY FOR INDICATED BREAKER)
HKP	HOUSEKEEPING PAD
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
Hz	HERTZ
IAW	IN ACCORDANCE WITH
IG	ISOLATED GROUND
J-BOX	JUNCTION BOX
KHFSS	KITCHEN HOOD FIRE SUPPRESSION SYSTEM
KHz	KILOHERTZ
KVA	KILOVOLT AMPS
KW	KILOWATTS
KWH	KILOWATT HOURS
L	LOCKOUT TO PREVENT UNAUTHORIZED SWITCHING (PROVIDE ACCESSORY FOR INDICATED BREAKER)
LC	ROUTE CIRCUIT TO LOAD VIA LIGHTING CONTACTOR, REFER TO LC SCHEDULE
LED	LIGHT EMITTING DIODE
LTG	LIGHTING
LTS	LIGHTS
MAX	MAXIMUM
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MH	METAL HALIDE
MHz	MEGAHERTZ
MIN	MINIMUM
ML	MAINTENANCE LOCK (PROVIDE ACCESSORY FOR INDICATED BREAKER)
MLO	MAIN LUG ONLY
MNS	MASS NOTIFICATION SYSTEM
MOCP	MAXIMUM OVER CURRENT PROTECTION.
MTD	MOUNTED
N	NEUTRAL
N/C	NORMALLY CLOSED
N/O	NORMALLY OPEN
NO.	NUMBER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
P	PILOT LIGHT (AT THE SWITCH HANDLE)
PBD	PANELBOARD
PD	PROTECTIVE DEVICE
RCPT	RECEPTACLE
REC	RECEPTACLE
SEC	SECURITY
SPD	SURGE PROTECTIVE DEVICE
SPEC.	SPECIFICATION(S)
ST	SHUNT TRIP, 120V COIL (PROVIDE ACCESSORY FOR INDICATED BREAKER)
SW	SWITCH
SWBD	SWITCHBOARD
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TC	TELECOMMUNICATIONS CLOSET
TELECOM	TELECOMMUNICATIONS
TGB	TELECOMMUNICATIONS GROUNDING BUS BAR
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUS BAR
TYP	TYPICAL
UNO	UNLESS NOTED (INDICATED) OTHERWISE
V	VOLTS
VFD	VARIABLE FREQUENCY DRIVE
W	WATTS
W/	WITH
WG	WIRE GUARD
WP	WEATHERPROOF
XFER	TRANSFER
XFMR	TRANSFORMER

LIGHT FIXTURE SCHEDULE

FIXTURE							LAMP		MOUNTING	OPTIONS	COMMENTS
TYPE	DESCRIPTION	MANUFACTURER	SERIES NO.	VOLTAGE	WATTAGE	LUMENS	TYPE	COLOR TEMP.			
A1	2X4 LED TROFFER	LITHONIA	STAKS 2X4 ALO6 SWW7	277 V	41	5000 lm	LED	5000 K	RECESSED		
A3	2X4 LED TROFFER - GTR	LITHONIA	STAKS 2X4 ALO6 SWW7	277 V	41	5000 lm	LED	5000 K	RECESSED	GENERTOR TRANSFER RELAY	
A5	2X2 LED TROFFER	LITHONIA	STAKS 2X2 ALO3 SWW7	277 V	41	5000 lm	LED	5000 K	RECESSED		
B1	2X4 LED VANDAL RESISTANT TROFFER	LITHONIA	2VRTL G L48 5000LM ICW AP125FL GZ1 50K 90CRI	277 V	39	5000 lm	LED	5000 K	RECESSED		
B2	2X4 LED VANDAL RESISTANT TROFFER - EM	LITHONIA	2VRTL G L48 5000LM ICW AP125FL GZ1 50K 90CRI E10WLCP	277 V	39	5000 lm	LED	5000 K	RECESSED	10W BATTERY	
B3	2X4 LED VANDAL RESISTANT TROFFER - GTR	LITHONIA	2VRTL G L48 5000LM ICW AP125FL GZ1 50K 90CRI E10WLCP	277 V	39	5000 lm	LED	5000 K	RECESSED	GENERTOR TRANSFER RELAY	
B5	2X2 LED VANDAL RESISTANT TROFFER	LITHONIA	2VRTL G L48 7000LM ICW AP125FL GZ1 50K 90CRI	277 V	61	7000 lm	LED	5000 K	RECESSED		
B6	2X2 LED VANDAL RESISTANT TROFFER - EM	LITHONIA	2VRTL G L48 7000LM ICW AP125FL GZ1 50K 90CRI E10WLCP	277 V	61	7000 lm	LED	5000 K	RECESSED	10W BATTERY	
C5	6" LED DOWNLIGHT	GOTHAM	EV06 50/20 AR LSS WD MVOLT GZ10	277 V	20	2000 lm	LED	5000 K	RECESSED		
D1	4' MAX SECURITY	KENALL	SDSA 4 0/0 45L50K DCC 2/J 1	277 V	46	4500 lm	LED	5000 K	SURFACE		MOUNT WITH TAMPER PROOF HARDWARE
D2	4' MAX SECURITY - EM	KENALL	SDSA 4 0/0 45L50K DCC 2/J 1 LEL	277 V	46	4500 lm	LED	5000 K	SURFACE	10W BATTERY	MOUNT WITH TAMPER PROOF HARDWARE
D4	4' MAX SECURITY W/ CELL LIGHT	KENALL	SDSA 4 0/0 45L50K DCC 2/J 1 DLN	277 V	46	4500 lm	LED	5000 K	SURFACE		MOUNT WITH TAMPER PROOF HARDWARE
F1	2X4 LED TROFFER - GASKETED	LITHONIA	2WRTL G L48 5000LM 0AW AFL MVOLT GZ1 50K 80CRI	277 V	48	5000 lm	LED	5000 K	RECESSED		WET LOCATION LISTED
F2	2X4 LED TROFFER - GASKETED & EM	LITHONIA	2WRTL G L48 5000LM 0AW AFL MVOLT GZ1 50K 80CRI E10WLCP	277 V	48	5000 lm	LED	5000 K	RECESSED	10W BATTERY	WET LOCATION LISTED
J1	VANDAL RESIST INDUSTRIAL	LITHONIA	VAP 6000LM PCL MD GZ10 50K 90CRI	277 V	49	6000 lm	LED	5000 K	SURFACE OR CHAIN 10'-0" AFF UNO		
J2	VANDAL RESIST INDUSTRIAL



ELECTRICAL SITE PLAN.
1" = 30'-0"

KEYNOTES

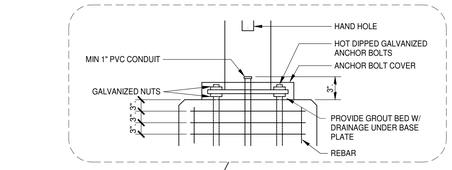
APPLIES TO THIS DRAWING
REPRESENTED BY [n]

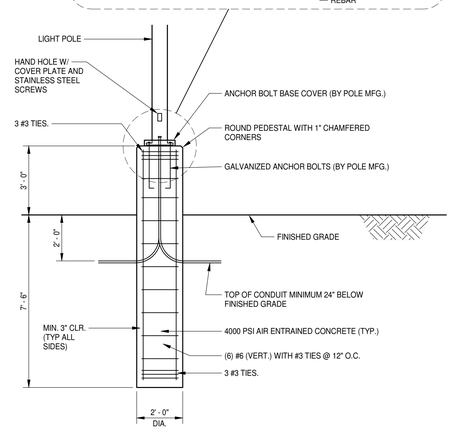
1. PROPOSED ROUTING FOR THE UTILITY PRIMARY TO TRANSFORMER. PROVIDE TWO 6" CONDUITS WITH PULLSTRINGS AT 3' BELOW FINISHED GRADE UNDER ANY HARDSCAPING BETWEEN THE UTILITY POLE AND THE TRANSFORMER LOCATION FOR USE BY THE POWER COMPANY. COORDINATE FINAL ROUTING WITH THE POWER COMPANY PRIOR TO INSTALLATION
2. PROVIDE FOUR 4" EC WITH PULLROPE (NOT STRINGS) AT 3' BELOW FINISHED GRADE FROM UTILITY POLE TURNED UP INTO DATA ROOM (REFER TO FLOOR PLANS). WHEN ROUTED UNDER A HARDSCAPING WITH TRAFFIC, PROVIDE CONCRETE ENCASE CONDUIT FIVE FEET BEYOND EDGES. COORDINATE ROUTING WITH OTHER UTILITIES AND WITH UTILITY COMPANY. REFER TO SECTION 27100 FOR ADDITIONAL REQUIREMENTS.
3. PROVIDE POWER AND DATA STUB-UP FOR THE GATE SYSTEM PER THE MANUFACTURER'S REQUIREMENTS. PROVIDE A 1" EC WITH PULL STRING TO SECURITY ELECTRONICS CLOSET.
4. FIELD COORDINATE LIGHTING FIXTURE LOCATION WITH FLAG POLES. PROVIDE 2#12,#12G, 1"PVC. REFER TO DETAIL ON E4.1
5. FIELD COORDINATE POWER CONNECTION TO THE SITE SIGN . PROVIDE 2#10,#10G, 1"PVC. .

GENERAL NOTES

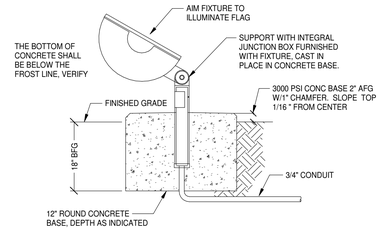
A. SITE POLE LIGHTING SHALL BE PROVIDED BY THE POWER COMPANY. COORDINATE INSTALLATION WITH THE POWER COMPANY AND HAVE THEM PREPARE A PHOTOMETRIC STUDY TO SUBMIT TO THE ARCHITECT AS A SHOP DRAWING. PROVIDE A 1"EC UNDER ALL HARDSCAPING.

B. SITE LIGHTING POLES ON THE FENCED PERIMETRER SHALL BE PLACED A MININUM OF 10' FROM THE FENCE .

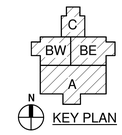




POLE BASE DETAIL
NO SCALE



FLAG LIGHT DETAIL
NO SCALE



MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 024242 ENGINEER WILLIAM J. CARY JR

MOSELEY ARCHITECTS P.C. NORTH CAROLINA BOARD OF EXAMINERS FOR ENGINEERS AND SURVEYORS CORPORATION C-3469 CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

ELECTRICAL SITE PLAN

E1.0

12/11/2023 9:43:36 AM

KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY [n]

1. FIXTURES IN THIS SPACE CONNECTED TO NORMAL POWER ARE RELAY CONTROLLED. REFER TO THE RELAY SCHEDULE FOR THE RELAY NUMBER . FIXTURES CONNECTED TO EMERGENCY POWER SHALL NOT BE CONTROLLED UNO.

2. RELOCATE THIS FIXTURE IF THE ALTERNATE IS ACCEPTED.

GENERAL NOTES

A. WHERE FIXTURES ARE EQUIPPED WITH BATTERY BACKUP OR GENERATOR TRANSFER SWITCH ARE LOCALLY CONTROLLED (NOT RELAY CONTROLLED), CONNECT TO THE LOCAL NORMAL CCT AND THE EMERGENCY CIRCUIT INDICATED.

B. BATTERY FIXTURES IN DAY ROOMS AND CORRIDORS AND WHERE DENOTED BY "NL" SHALL FUNCTION AS NITE LIGHTS, BE CONNECT ONLY TO THE EMERGENCY CIRCUIT INDICATED, SHALL NOT BE CONTROLLED AND SHALL BE ILLUMINATED 24-HOURS A DAY

C. EXTERIOR FIXTURES ARE CONTACTOR CONTROLLED. REFER TO THE DETAIL ON DRAWING E4.1

D. EXTERIOR FIXTURES IN REC YARDS SHALL BE MOUNTED DIRECTLY BELOW THE SECURITY MESH.

E. GENERAL NOTES FOR LIGHTING FIXTURE TYPE "D1", "D2", & "D4"
   a. EXPOSED CONDUIT AND BOXES ARE NOT ACCEPTABLE IN THE SECURED PERIMETER. CONDUIT AND BOXES FOR LIGHTING NOT LOCATED ABOVE A SECURED CEILING SHALL BE EMBEDDED IN THE STRUCTURE AND ROUTED TO A JUNCTION BOX IN A CHASE OR ABOVE ACT CEILING (JUNCTION BOX NOT SHOWN FOR CLARITY).

F. GENERAL NOTES FOR LIGHTING FIXTURE TYPE "D4":
   a. EXPOSED CONDUIT AND BOXES IN THE CELLS ARE NOT ACCEPTABLE. PROVIDE CONDUIT, BOXES AND THE SPECIFIED LIGHTING FIXTURE IN THE CELL WITH CONDUIT AND BOXES FOR CELL LIGHTING EMBEDDED IN THE STRUCTURE AND TERMINATED AT A JUNCTION BOX IN THE CHASE (NOT INDICATED FOR CLARITY).
   b. PROVIDE A RELAY CONTROLLED CONDUCTOR OF THE CIRCUIT INDICATED TO CONTROL THE MAIN LIGHTING IN EACH CELL LIGHTING FIXTURE. REFER TO THE RELAY SCHEDULES FOR THE RELAY NUMBER. ALSO PROVIDE AN UNSWITCHED CONDUCTOR OF THE CIRCUIT INDICATED TO THE NIGHT LIGHT IN EACH CELL LIGHTING FIXTURE WHICH SHALL BE ILLUMINATE AT ALL TIMES.

G. GENERAL NOTES FOR LIGHTING FIXTURE TYPE "V1":
   a. PROVIDE EXPOSED GRS CONDUIT AND CAST BOXES FOR LIGHTING IN CHASES. THESE FIXTURES SHALL NOT BE RELAY CONTROLLED.



FIRST FLOOR PLAN - PART A - LIGHTING
1/8" = 1'-0"

0' 2' 4' 8' 16'
1/8" = 1'-0"

KEY PLAN

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 024242 ENGINEER WILLIAM J. CARY JR.

MOSELEY ARCHITECTS PROFESSIONAL CORPORATION C-3469 NORTH CAROLINA CHARLOTTE NC

DUPLIN COUNTY DETENTION CENTER

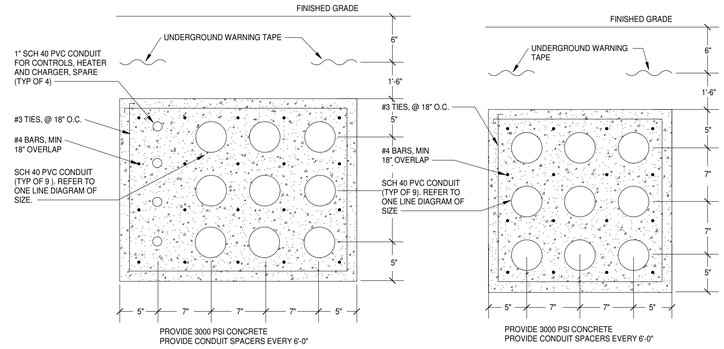
DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

FIRST FLOOR PLAN - PART A - LIGHTING

E2.1.1.1

12/11/2023 9:43:39 AM



1 **GENERATOR DUCTBANK**
E2.1.1.2 E2.1.1.2 NO SCALE

2 **TRANSFORMER DUCTBANK**
E2.1.1.2 E2.1.1.2 NO SCALE

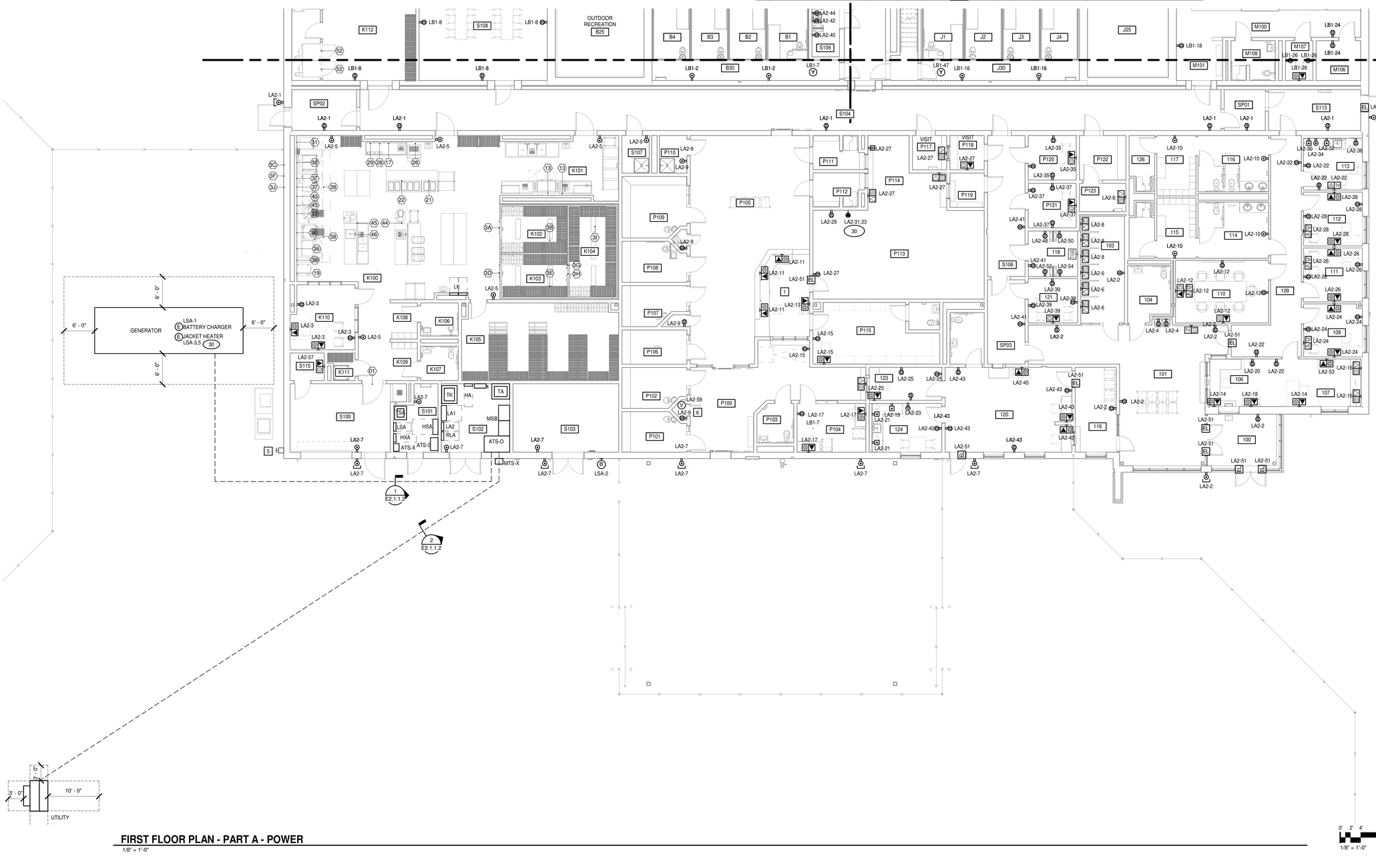
FOOD SERVICE EQUIPMENT SCHEDULE

TAG	DESRIPTION	VOLTAGE	POLES	LOAD	1 ph amps	3ph amps	PAN EL	CCT #	FEEDER	REMARK
01	AIR CURTAIN	120 V	1	0.50 kVA	4 A		LK	43	2#12,#12G,3/4"C	
3A	COOLER DOOR	120 V	1	0.30 kVA	3 A		LK	45	2#12,#12G,3/4"C	
3B	COOLER EVAP	120 V	1	0.30 kVA	3 A		LK	47	2#2,#6G,1-1/2"C	
3C	COOLER CONDENSER	208 V	3	2.92 kVA		8 A	LK	28,30,32	3#12,#12G,3/4"C	
3D	COOLER DOOR	120 V	1	0.30 kVA	3 A		LK	49	2#12,#12G,3/4"C	
3E	COOLER EVAP	120 V	1	0.30 kVA	3 A		LK	51	2#12,#12G,3/4"C	
3F	COOLER CONDENSER	208 V	3	2.92 kVA		8 A	LK	34,36,38	3#12,#12G,3/4"C	
3G	FREEZER HEAT	120 V	1	1.00 kVA	8 A		LK	53	2#12,#12G,3/4"C	
3H	FREEZER DOOR	120 V	1	1.00 kVA	8 A		LK	55	2#12,#12G,3/4"C	
3I	FREEZER EVAP	208 V	2	0.25 kVA	1 A		LK	31,33	2#12,#12G,3/4"C	
3J	FREEZER CONDENSER	208 V	3	4.72 kVA		13 A	LK	35,37,39	3#12,#12G,3/4"C	
13	DISHWASHER	208 V	3	19.80 kVA		55 A	LK	2,4,6	3#4,#8G,1-1/4"C	
13	DISHWASHER	208 V	3	19.80 kVA		55 A	LK	1,3,5	3#4,#8G,1-1/4"C	
17	BEVERAGE DISPENSER	120 V	1	1.00 kVA	8 A		LK	44	2#12,#12G,3/4"C	
19	REFRIGATOR	120 V	1	0.70 kVA	6 A		LK	57	2#12,#12G,3/4"C	
21	COLD SERVING	120 V	1	0.70 kVA	6 A		LK	46	2#12,#12G,3/4"C	
22	HOT SERVING	208 V	2	4.97 kVA	24 A		LK	7,9	2#10,#10G,3/4"C	
26	ICE MAKER	120 V	1	2.14 kVA	18 A		LK	48	2#10,#10G,3/4"C	
28	TEA BREWER	208 V	2	2.91 kVA	14 A		LK	8,10	2#12,#12G,3/4"C	
29	COFFEE MAKER	208 V	2	5.82 kVA	28 A		LK	11,13	2#6,#10G,1"C	
31	HEATED CABINET	208 V	2	1.23 kVA	6 A		LK	12,14	2#12,#12G,3/4"C	
32	HEATED CABINET	208 V	3	16.45 kVA		46 A	LK	15,17,19	3#4,#8G,1-1/4"C	60A,3P RELAY CONNECTED TO HOOD FS
33	GAS KETTLE	120 V	1	0.50 kVA	4 A		LK	50	2#12,#12G,3/4"C	20A,8P RELAY CONNECTED TO HOOD FS
34	TILT SKILLET	208 V	3	11.99 kVA		33 A	LK	25,27,29	3#4,#8G,1-1/4"C	60A,3P RELAY CONNECTED TO HOOD FS
36	RANGE	120 V	1	1.00 kVA	8 A		LK	52	2#12,#12G,3/4"C	20A,8P RELAY CONNECTED TO HOOD FS
37	CONV OVEN	120 V	1	1.85 kVA	15 A		LK	59	2#12,#12G,3/4"C	20A,8P RELAY CONNECTED TO HOOD FS
37	CONV OVEN	120 V	1	1.85 kVA	15 A		LK	54	2#12,#12G,3/4"C	20A,8P RELAY CONNECTED TO HOOD FS
38	EXHAUST HOOD	120 V	1	1.50 kVA	13 A		LK	58	2#12,#12G,3/4"C	
38	EXHAUST HOOD	120 V	1	1.50 kVA	13 A		LK	60	2#12,#12G,3/4"C	
39	FIRE SUPRESSION	120 V	1	1.00 kVA	8 A		LK	62	2#12,#12G,3/4"C	
43	CONV STEAMER	208 V	3	10.40 kVA		29 A	LK	16,18,20	3#8,#10G,1"C	60A,3P RELAY CONNECTED TO HOOD FS
43	CONV STEAMER	208 V	3	10.40 kVA		29 A	LK	22,24,26	3#8,#10G,1"C	60A,3P RELAY CONNECTED TO HOOD FS
44	MIXER	208 V	2	0.62 kVA	3 A		LK	21,23	2#12,#12G,3/4"C	
45	SLICER	120 V	1	0.65 kVA	5 A		LK	56	2#12,#12G,3/4"C	
46	FOOD PROCESSOR	120 V	1	0.96 kVA	8 A		LK	61	2#12,#12G,3/4"C	
51	WASHER	480 V	3	5.00 kVA		6 A	HB	12,14,16	3#12,#12G,3/4"C	
51	WASHER	480 V	3	5.00 kVA		6 A	HB	18,20,22	3#12,#12G,3/4"C	
52	DRYER	480 V	3	37.40 kVA		45 A	HB	24,26,28	3#4,#8G,1-1/4"C	
52	DRYER	480 V	3	37.40 kVA		45 A	HB	30,32,34	3#4,#8G,1-1/4"C	

KEYNOTES

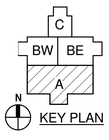
APPLIES TO THIS DRAWING
REPRESENTED BY n

1. COORDINATE RECEPTACLE AND DATA OUTLET LOCATIONS AND MOUNTING HEIGHTS WITH THE MILLWORK INDICATED ON THE ARCHITECTURAL PLANS PRIOR TO INSTALLATION.
2. POWER CIRCUITS IN THIS SPACE ARE RELAY CONTROLLED. REFER TO THE RELAY SCHEDULE FOR THE RELAY NUMBER.
3. PROVIDE CEILING MOUNTED OUTLET FOR METAL DETECTOR POWER AND FINAL CONNECTION TO EQUIPMENT IN GRS CONDUIT. COORDINATE POWER REQUIREMENTS WITH THE PROVIDER AND FIELD ADJUST AS REQUIRED.
4. POWER PANEL SHALL BE PROVIDED WITH THE GENERATOR TO POWER GENERATOR ACCESSORIES INCLUDING BATTERY CHARGER AND JACKET HEATER. IF MANUFACTURER CAN NOT PROVIDE, ELECTRICAL CONTRACTOR SHALL PROVIDE.
5. EPO SWITCH FOR GENERATOR
6. PROVIDE A 120V, 20A, 20 RELAY (ONE POLE SPARE) TO CONTROL THIS SOLENOID FROM THE SECURITY SYSTEM.



FIRST FLOOR PLAN - PART A - POWER
1/8" = 1'-0"

0' 2' 4' 8' 16'
1/8" = 1'-0"



MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 024242 WILLIAM J. CRARY JR. 12/11/2023

MOSELEY ARCHITECTS PROFESSIONAL CORPORATION C-3469 NORTH CAROLINA CHARLOTTE NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

FIRST FLOOR PLAN - PART A - POWER

E2.1.1.2

12/11/2023 9:43:48 AM

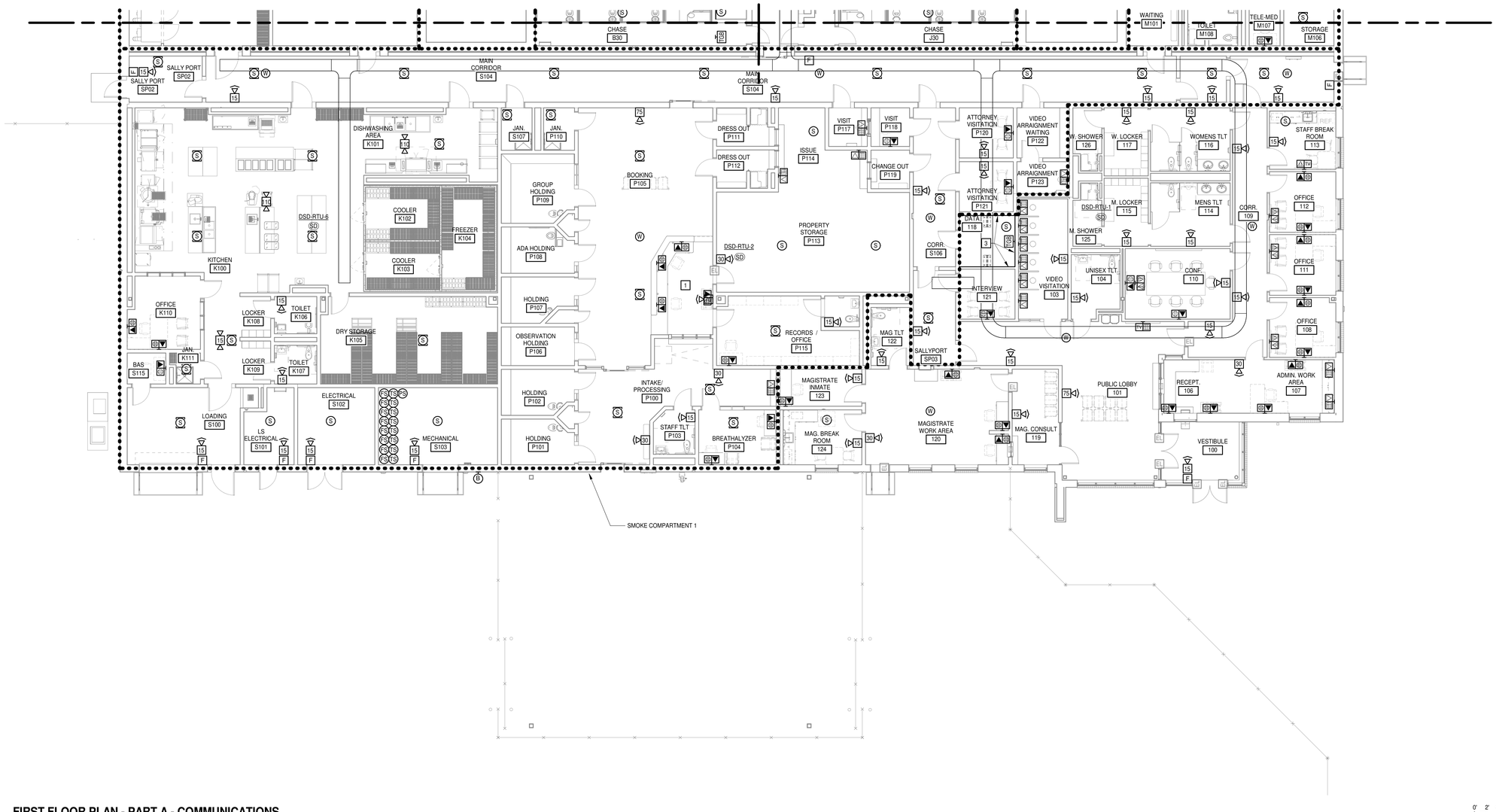
KEYNOTES

APPLIES TO THIS DRAWING ONLY
REPRESENTED BY n

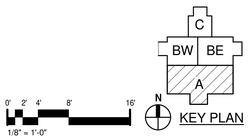
1. COORDINATE OUTLET LOCATION WITH COMPUTER STATIONS INDICATED ON THE ARCHITECTURAL PLANS.
2. COORDINATE LOCATION OF SMOKE DETECTOR ABOVE CELLS IN CHASE SPACES WITH OTHER TRADES AND RELOCATE AS REQUIRED SUCH THAT DETECTOR WILL BE ACCESSIBLE.
3. PROVIDE 4'X8'X3/4" FIRE RESISTANT PLYWOOD ON WALLS INDICATED COVERED WITH TWO COATS OF WHITE PAINT. DO NOT COVER FIRE RESISTANT STAMP. ADHERE TO WALL WITH SCREWS IN THE WALLS STRUCTURE.

GENERAL NOTES

A. REFER TO MECHANICAL POWER PLANS FOR ADDITIONAL FIRE ALARM CONNECTIONS.



FIRST FLOOR PLAN - PART A - COMMUNICATIONS
1/8" = 1'-0"



KEY PLAN

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 024242 ENGINEER WILLIAM J. CARY JR.

MOSELEY ARCHITECTS PC REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

FIRST FLOOR PLAN - PART A COMMUNICATIONS

E2.1.1.3

12/11/2023 9:43:55 AM

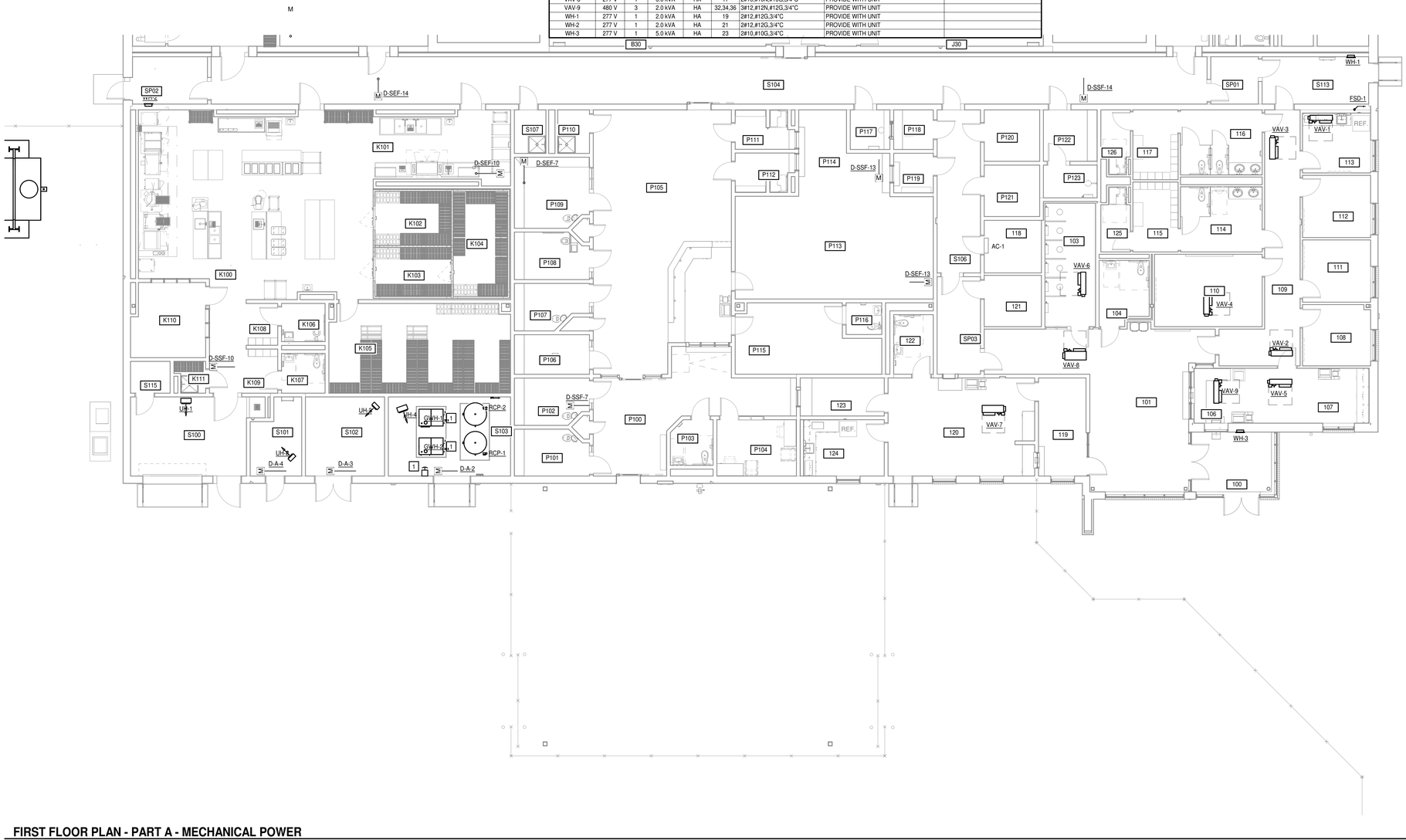
KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY [n]

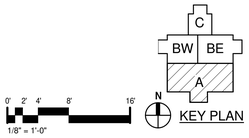
1. PROVIDE MUSHROOM HEAD SWITCH TO DE-ENERGIZE GAS EQUIPMENT IN THIS SPACE.

DIV 23 ELECTRICAL CONNECTION SCHEDULE A

TAG	VOLTAGE	# POLES	LOAD	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS
AC-1	208 V	2	0.0 kVA			PER MANUFACTURER	PER MANUFACTURER	CONNECT TO OUTDOOR UNIT
D-A-2	120 V	1	0.1 kVA	LSA	7	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
D-A-3	120 V	1	0.1 kVA	LSA	7	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
D-A-4	120 V	1	0.1 kVA	LSA	7	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
D-SEF-7	120 V	1	0.1 kVA	LSA	7	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
D-SEF-10	120 V	1	0.1 kVA	LSA	7	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
D-SEF-13	120 V	1	0.1 kVA	LSA	7	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
D-SEF-14	120 V	1	0.1 kVA	LSA	7	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
D-SSF-7	120 V	1	0.1 kVA	LSA	7	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
D-SSF-10	120 V	1	0.1 kVA	LSA	7	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
D-SSF-13	120 V	1	0.1 kVA	LSA	7	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
DSD-DOAS-A17	120 V	1	0.1 kVA	LSA	7	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
FSD-1	120 V	1	0.1 kVA	LSA	7	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
GWH-1	120 V		1.0 kVA	LA2	78	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	
GWH-2	120 V		1.0 kVA	LA2	80	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	
RCP-1	120 V	1	0.5 kVA	LA2	84	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	
RCP-2	120 V	1	0.5 kVA	LA2	82	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	
UH-1	277 V	1	7.5 kVA	HA	5	2#8,#10G,3/4"C	PROVIDE WITH UNIT	
UH-2	277 V	1	3.3 kVA	HA	6	2#12,#12G,3/4"C	PROVIDE WITH UNIT	
UH-3	277 V	1	3.3 kVA	HA	7	2#12,#12G,3/4"C	PROVIDE WITH UNIT	
UH-4	277 V	1	7.5 kVA	HA	8	2#8,#10G,3/4"C	PROVIDE WITH UNIT	
VAV-1	277 V	1	2.0 kVA	HA	9	2#12,#12N,#12G,3/4"C	PROVIDE WITH UNIT	
VAV-2	277 V	1	3.0 kVA	HA	11	2#12,#12N,#12G,3/4"C	PROVIDE WITH UNIT	
VAV-3	277 V	1	3.0 kVA	HA	10	2#12,#12N,#12G,3/4"C	PROVIDE WITH UNIT	
VAV-4	277 V	1	3.0 kVA	HA	13	2#12,#12N,#12G,3/4"C	PROVIDE WITH UNIT	
VAV-5	277 V	1	2.0 kVA	HA	12	2#12,#12N,#12G,3/4"C	PROVIDE WITH UNIT	
VAV-6	277 V	1	2.0 kVA	HA	15	2#12,#12N,#12G,3/4"C	PROVIDE WITH UNIT	
VAV-7	277 V	1	4.0 kVA	HA	14	2#12,#12N,#12G,3/4"C	PROVIDE WITH UNIT	
VAV-8	277 V	1	6.0 kVA	HA	17	2#10,#10N,#10G,3/4"C	PROVIDE WITH UNIT	
VAV-9	480 V	3	2.0 kVA	HA	32,34,36	3#12,#12N,#12G,3/4"C	PROVIDE WITH UNIT	
WH-1	277 V	1	2.0 kVA	HA	19	2#12,#12G,3/4"C	PROVIDE WITH UNIT	
WH-2	277 V	1	2.0 kVA	HA	21	2#12,#12G,3/4"C	PROVIDE WITH UNIT	
WH-3	277 V	1	5.0 kVA	HA	23	2#10,#10G,3/4"C	PROVIDE WITH UNIT	



FIRST FLOOR PLAN - PART A - MECHANICAL POWER
1/8" = 1'-0"



0' 2' 4' 8' 16'
1/8" = 1'-0"

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 024242 WILLIAM J. CARY JR. 12/11/2023

MOSELEY ARCHITECTS P.A. FIRST TENNESSEE PROFESSIONAL CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

FIRST FLOOR PLAN - PART A - MECHANICAL POWER

E2.1.1.4

12/11/2023 9:44:01 AM

KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY [n]

1. FIXTURES IN THIS SPACE CONNECTED TO NORMAL POWER ARE RELAY CONTROLLED. REFER TO THE RELAY SCHEDULE FOR THE RELAY NUMBER . FIXTURES CONNECTED TO EMERGENCY POWER SHALL NOT BE CONTROLLED UNO.

2. RELOCATE THIS FIXTURE IF THE ALTERNATE IS ACCEPTED.

GENERAL NOTES

A. WHERE FIXTURES ARE EQUIPPED WITH BATTERY BACKUP OR GENERATOR TRANSFER SWITCH ARE LOCALLY CONTROLLED (NOT RELAY CONTROLLED), CONNECT TO THE LOCAL NORMAL CCT AND THE EMERGENCY CIRCUIT INDICATED.

B. BATTERY FIXTURES IN DAY ROOMS AND CORRIDORS AND WHERE DENOTED BY "NL" SHALL FUNCTION AS NITE LIGHTS, BE CONNECT ONLY TO THE EMERGENCY CIRCUIT INDICATED, SHALL NOT BE CONTROLLED AND SHALL BE ILLUMINATED 24-HOURS A DAY

C. EXTERIOR FIXTURES ARE CONTACTOR CONTROLLED. REFER TO THE DETAIL ON DRAWING E4.1

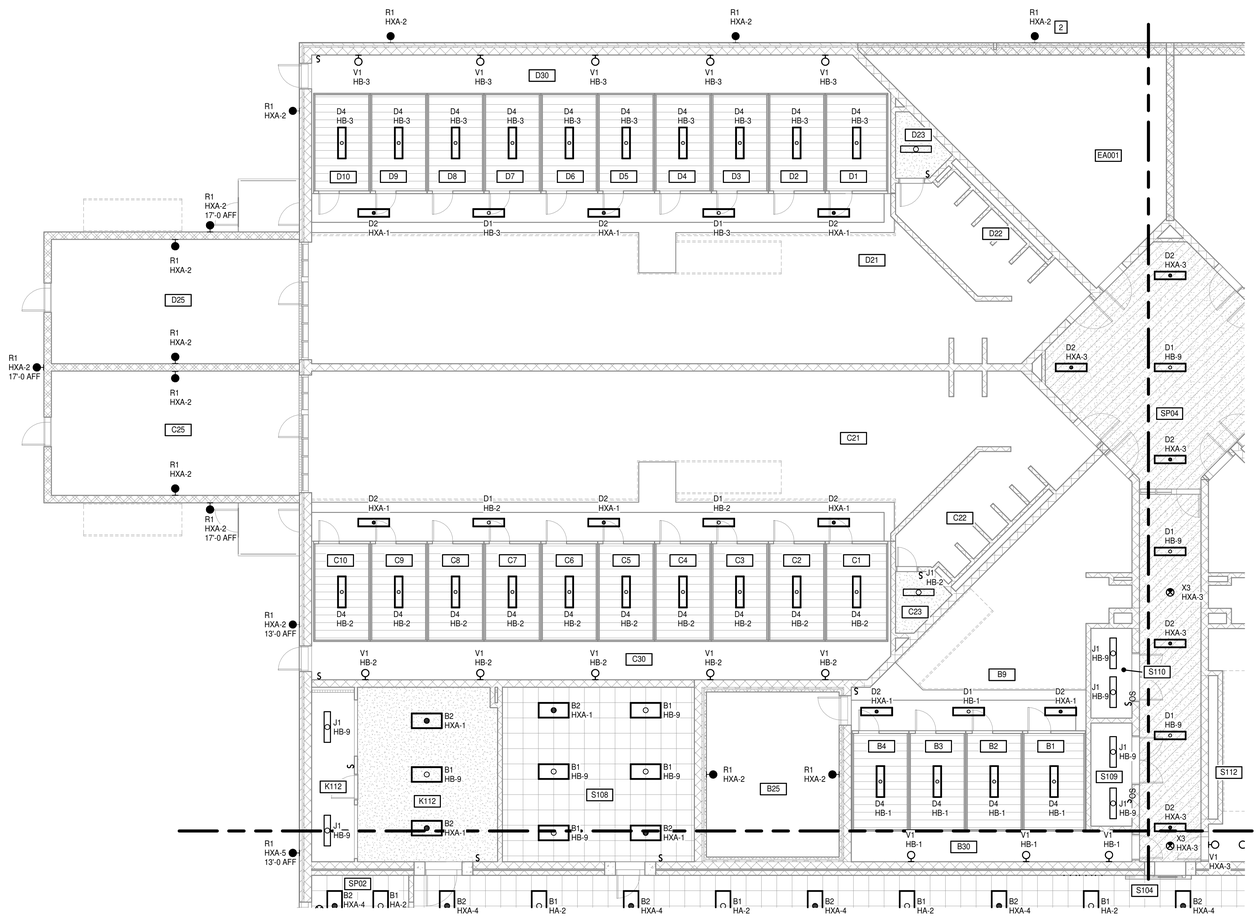
D. EXTERIOR FIXTURES IN REC YARDS SHALL BE MOUNTED DIRECTLY BELOW THE SECURITY MESH.

E. GENERAL NOTES FOR LIGHTING FIXTURE TYPE "D1", "D2", & "D4"
   a. EXPOSED CONDUIT AND BOXES ARE NOT ACCEPTABLE IN THE SECURED PERIMETER. CONDUIT AND BOXES FOR LIGHTING NOT LOCATED ABOVE A SECURED CEILING SHALL BE EMBEDDED IN THE STRUCTURE AND ROUTED TO A JUNCTION BOX IN A CHASE OR ABOVE ACT CEILING (JUNCTION BOX NOT SHOWN FOR CLARITY).

F. GENERAL NOTES FOR LIGHTING FIXTURE TYPE "D4":
   a. EXPOSED CONDUIT AND BOXES IN THE CELLS ARE NOT ACCEPTABLE. PROVIDE CONDUIT, BOXES AND THE SPECIFIED LIGHTING FIXTURE IN THE CELL WITH CONDUIT AND BOXES FOR CELL LIGHTING EMBEDDED IN THE STRUCTURE AND TERMINATED AT A JUNCTION BOX IN THE CHASE (NOT INDICATED FOR CLARITY).

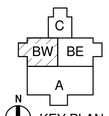
   b. PROVIDE A RELAY CONTROLLED CONDUCTOR OF THE CIRCUIT INDICATED TO CONTROL THE MAIN LIGHTING IN EACH CELL LIGHTING FIXTURE. REFER TO THE RELAY SCHEDULES FOR THE RELAY NUMBER. ALSO PROVIDE AN UNSWITCHED CONDUCTOR OF THE CIRCUIT INDICATED TO THE NIGHT LIGHT IN EACH CELL LIGHTING FIXTURE WHICH SHALL BE ILLUMINATE AT ALL TIMES.

G. GENERAL NOTES FOR LIGHTING FIXTURE TYPE "V1":
   a. PROVIDE EXPOSED GRS CONDUIT AND CAST BOXES FOR LIGHTING IN CHASES. THESE FIXTURES SHALL NOT BE RELAY CONTROLLED.



FIRST FLOOR PLAN - PART BW - LIGHTING
1/8" = 1'-0"

0' 2' 4' 8' 16'
1/8" = 1'-0"



KEY PLAN

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 024242 ENGINEER WILLIAM J. CARY JR

MOSELEY ARCHITECTS P.C. NORTH CAROLINA CORPORATION C-3469 CHARLOTTE, N.C.

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO:	DATE:
821373	DECEMBER 12, 2023

REVISIONS

DATE	DESCRIPTION

FIRST FLOOR PLAN - PART BW - LIGHTING

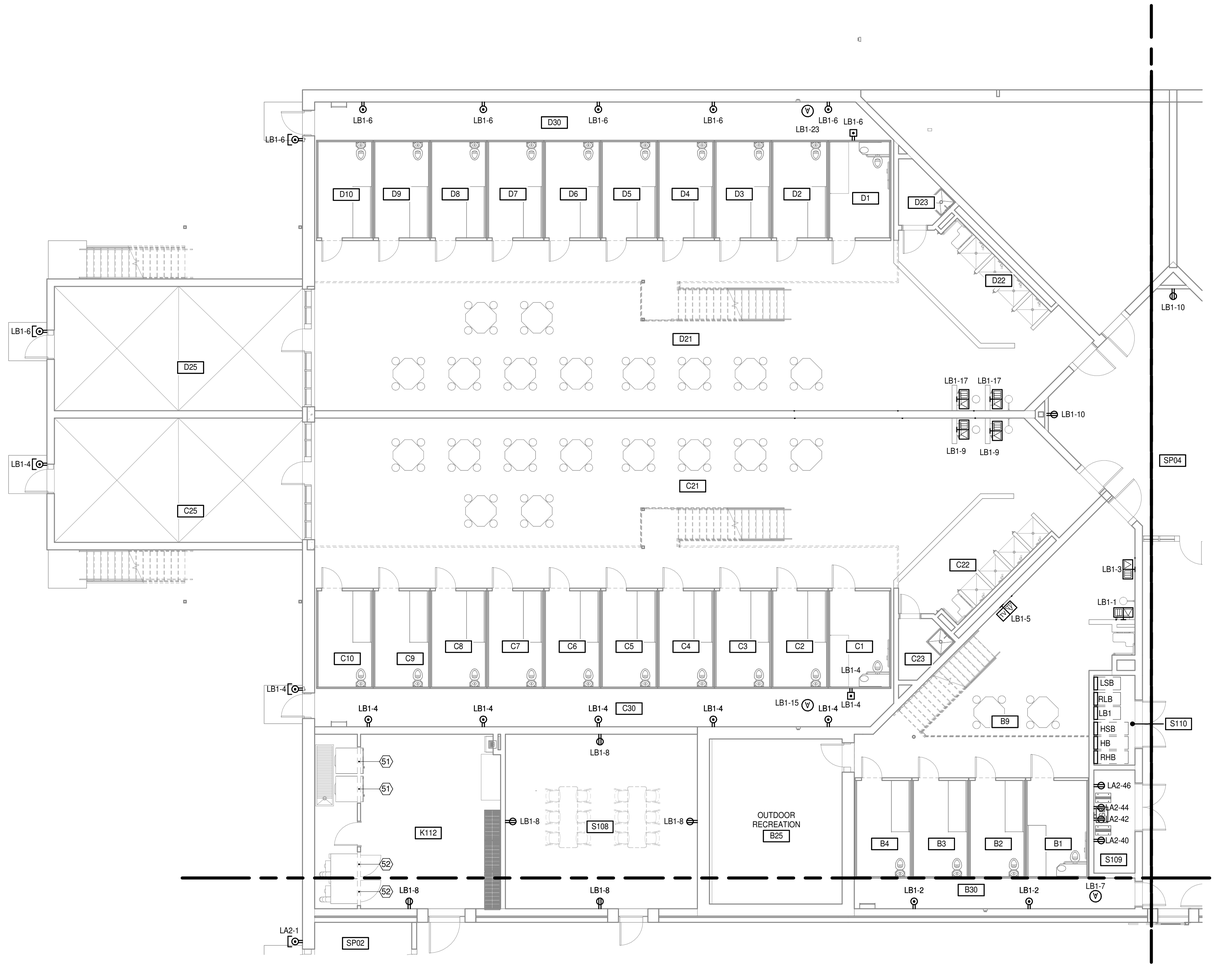
E2.1.2.1

12/11/2023 9:44:03 AM

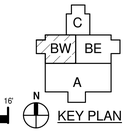
KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY n

1. COORDINATE RECEPTACLE AND DATA OUTLET LOCATIONS AND MOUNTING HEIGHTS WITH THE MILLWORK INDICATED ON THE ARCHITECTURAL PLANS PRIOR TO INSTALLATION.
2. POWER CIRCUITS IN THIS SPACE ARE RELAY CONTROLLED. REFER TO THE RELAY SCHEDULE FOR THE RELAY NUMBER.
3. PROVIDE CEILING MOUNTED OUTLET FOR METAL DETECTOR POWER AND FINAL CONNECTION TO EQUIPMENT IN GRS CONDUIT. COORDINATE POWER REQUIREMENTS WITH THE PROVIDER AND FIELD ADJUST AS REQUIRED.
4. POWER PANEL SHALL BE PROVIDED WITH THE GENERATOR TO POWER GENERATOR ACCESSORIES INCLUDING BATTERY CHARGER AND JACKET HEATER. IF MANUFACTURER CAN NOT PROVIDE, ELECTRICAL CONTRACTOR SHALL PROVIDE.
5. EPO SWITCH FOR GENERATOR
6. PROVIDE A 120V, 20A, 20 RELAY (ONE POLE SPARE) TO CONTROL THIS SOLENOID FROM THE SECURITY SYSTEM.



FIRST FLOOR PLAN - PART BW - POWER
1/8" = 1'-0"



KEY PLAN

0' 2' 4' 8' 16'
1/8" = 1'-0"

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 024242 ENGINEER WILLIAM J. CARY JR.

MOSELEY ARCHITECTS PC REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

FIRST FLOOR PLAN - PART BW - POWER

E2.1.2.2

12/11/2023 9:44:05 AM

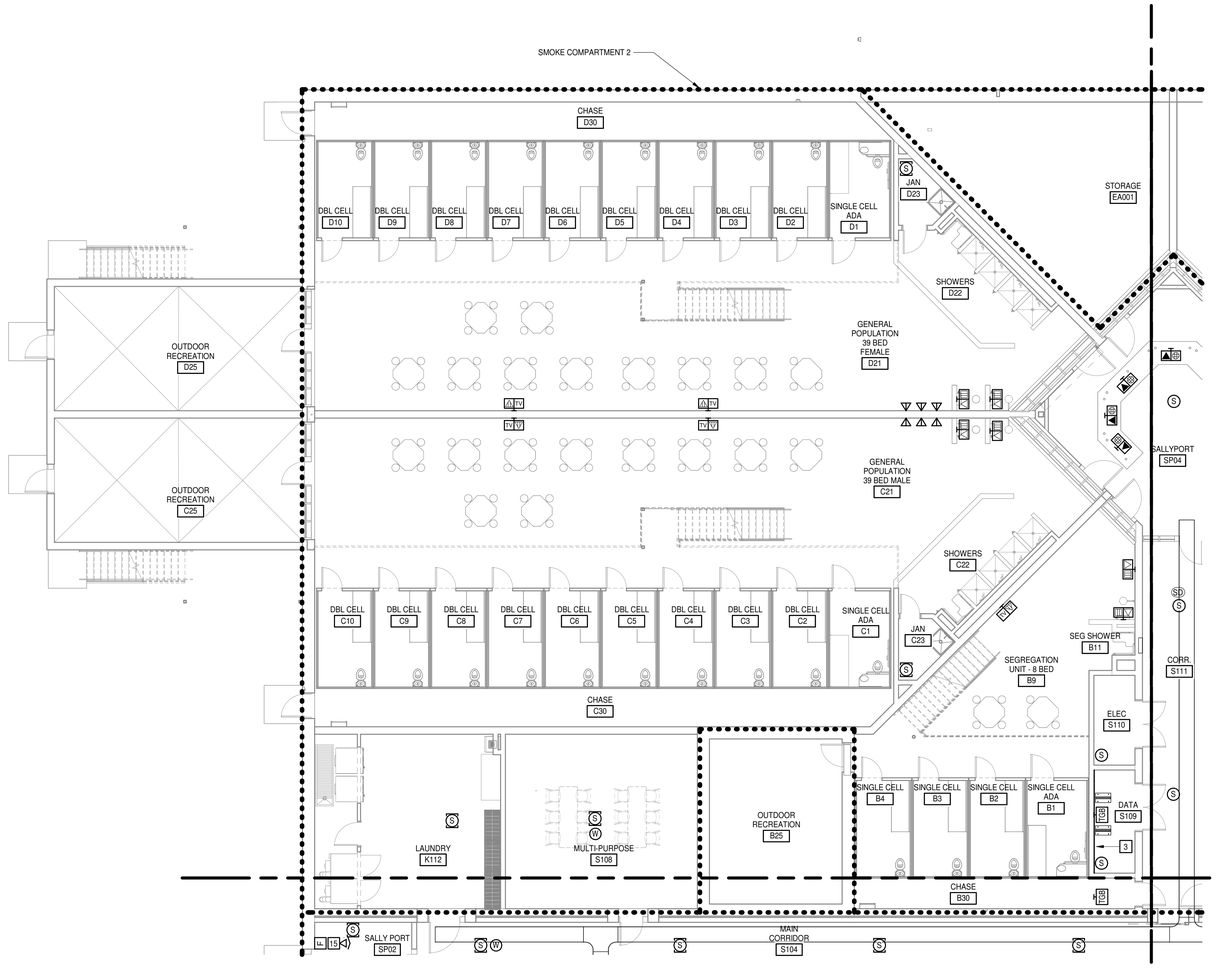
KEYNOTES

APPLIES TO THIS DRAWING ONLY
REPRESENTED BY [n]

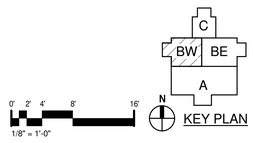
1. COORDINATE OUTLET LOCATION WITH COMPUTER STATIONS INDICATED ON THE ARCHITECTURAL PLANS.
2. COORDINATE LOCATION OF SMOKE DETECTOR ABOVE CELLS IN CHASE SPACES WITH OTHER TRADES AND RELOCATE AS REQUIRED SUCH THAT DETECTOR WILL BE ACCESSIBLE.
3. PROVIDE 4'X8'X3/4" FIRE RESISTANT PLYWOOD ON WALLS INDICATED COVERED WITH TWO COATS OF WHITE PAINT. DO NOT COVER FIRE RESISTANT STAMP. ADHERE TO WALL WITH SCREWS IN THE WALLS STRUCTURE.

GENERAL NOTES

A. REFER TO MECHANICAL POWER PLANS FOR ADDITIONAL FIRE ALARM CONNECTIONS.



FIRST FLOOR PLAN - PART BW - COMMUNICATIONS
1/8" = 1'-0"



KEY PLAN

0' 2' 4' 8' 16'
1/8" = 1'-0"

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 024242 ENGINEER WILLIAM J. CARY JR

MOSELEY ARCHITECTS P.A. REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

FIRST FLOOR PLAN - PART BW COMMUNICATIONS

E2.1.2.3

12/11/2023 9:44:09 AM

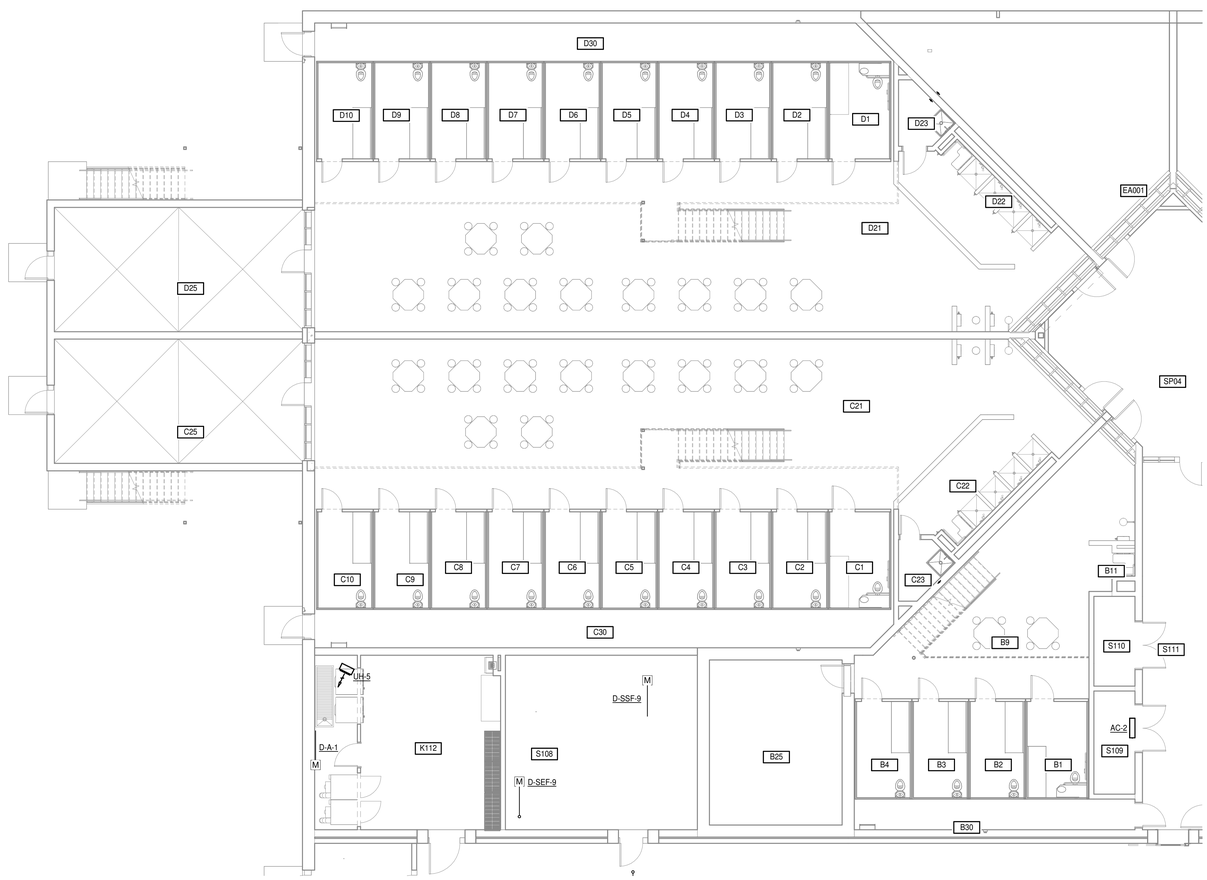
KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY [n]

1. PROVIDE MUSHROOM HEAD SWITCH TO DE-ENERGIZE GAS EQUIPMENT IN THIS SPACE.

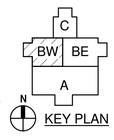
DIV 23 ELECTRICAL CONNECTION SCHEDULE BW

TAG	VOLTAGE	# POLES	LOAD	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS
AC-2	208 V	2	0.0 kVA			PER MANUFACTURER	PER MANUFACTURER	CONNECT TO OUTDOOR UNIT
D-A-1	120 V	1	0.1 kVA	LSB	1	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
D-SEF-9	120 V	1	0.1 kVA	LSB	1	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
D-SSF-9	120 V	1	0.1 kVA	LSB	1	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
UH-5	277 V	1	7.5 kVA	HA	16	2#8,#10G,3/4"C	PROVIDE WITH UNIT	



FIRST FLOOR PLAN - PART BW - MECHANICAL POWER
1/8" = 1'-0"

0' 2' 4' 8' 16'
1/8" = 1'-0"



KEY PLAN

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 024242 ENGINEER WILLIAM J. CARY JR.

MOSELEY ARCHITECTS PROFESSIONAL CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 821373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

FIRST FLOOR PLAN - PART BW MECHANICAL POWER

E2.1.2.4

12/11/2023 9:44:13 AM

KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY n

1. FIXTURES IN THIS SPACE CONNECTED TO NORMAL POWER ARE RELAY CONTROLLED. REFER TO THE RELAY SCHEDULE FOR THE RELAY NUMBER . FIXTURES CONNECTED TO EMERGENCY POWER SHALL NOT BE CONTROLLED UNO.

2. RELOCATE THIS FIXTURE IF THE ALTERNATE IS ACCEPTED.

GENERAL NOTES

A. WHERE FIXTURES ARE EQUIPPED WITH BATTERY BACKUP OR GENERATOR TRANSFER SWITCH ARE LOCALLY CONTROLLED (NOT RELAY CONTROLLED), CONNECT TO THE LOCAL NORMAL CCT AND THE EMERGENCY CIRCUIT INDICATED.

B. BATTERY FIXTURES IN DAY ROOMS AND CORRIDORS AND WHERE DENOTED BY "NL" SHALL FUNCTION AS NITE LIGHTS. BE CONNECT ONLY TO THE EMERGENCY CIRCUIT INDICATED, SHALL NOT BE CONTROLLED AND SHALL BE ILLUMINATED 24-HOURS A DAY

C. EXTERIOR FIXTURES ARE CONTACTOR CONTROLLED. REFER TO THE DETAIL ON DRAWING E4.1

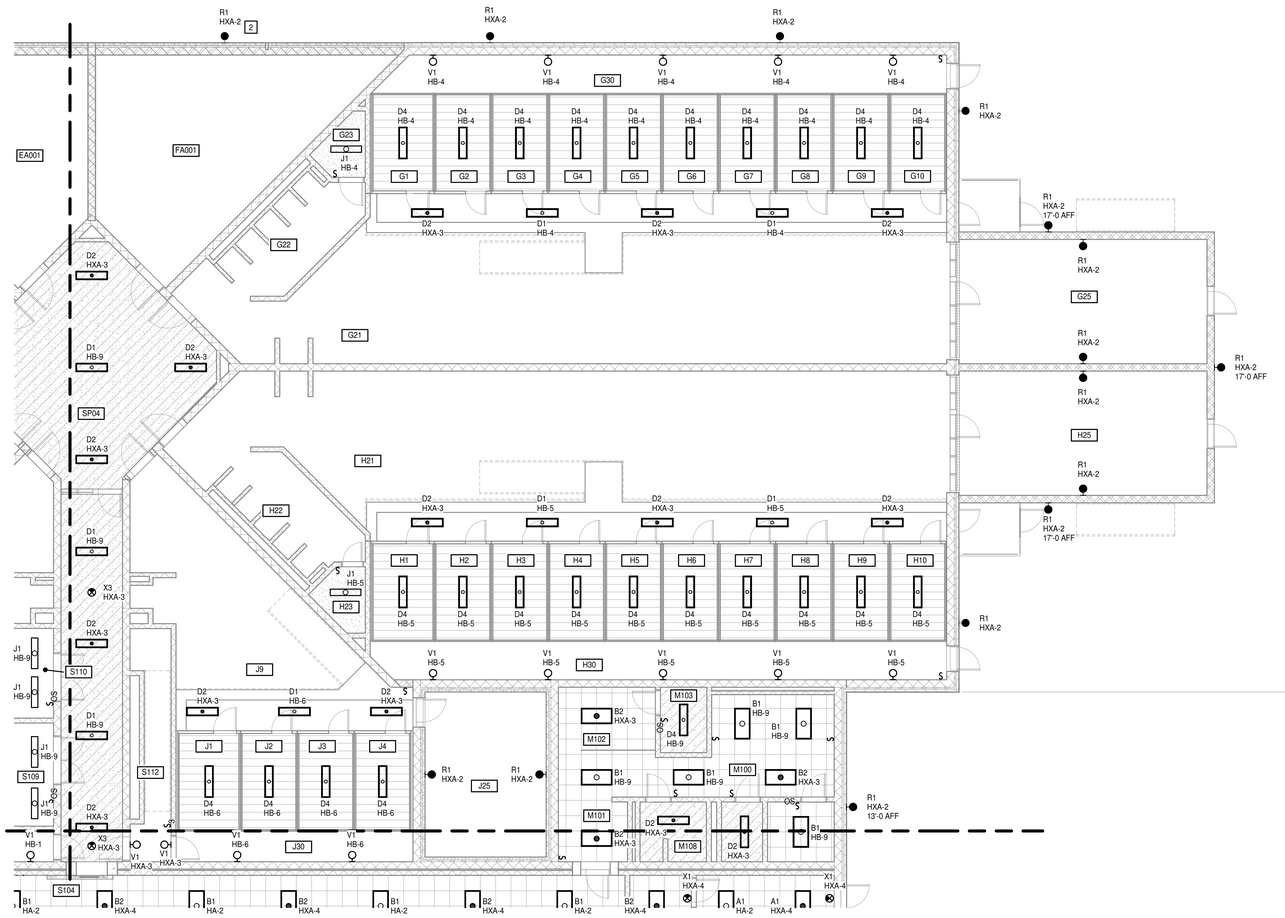
D. EXTERIOR FIXTURES IN REC YARDS SHALL BE MOUNTED DIRECTLY BELOW THE SECURITY MESH.

E. GENERAL NOTES FOR LIGHTING FIXTURE TYPE "D1", "D2", & "D4"
   a. EXPOSED CONDUIT AND BOXES ARE NOT ACCEPTABLE IN THE SECURED PERIMETER. CONDUIT AND BOXES FOR LIGHTING NOT LOCATED ABOVE A SECURED CEILING SHALL BE EMBEDDED IN THE STRUCTURE AND ROUTED TO A JUNCTION BOX IN A CHASE OR ABOVE ACT CEILING (JUNCTION BOX NOT SHOWN FOR CLARITY).

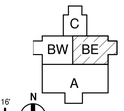
F. GENERAL NOTES FOR LIGHTING FIXTURE TYPE "D4":
   a. EXPOSED CONDUIT AND BOXES IN THE CELLS ARE NOT ACCEPTABLE. PROVIDE CONDUIT, BOXES AND THE SPECIFIED LIGHTING FIXTURE IN THE CELL WITH CONDUIT AND BOXES FOR CELL LIGHTING EMBEDDED IN THE STRUCTURE AND TERMINATED AT A JUNCTION BOX IN THE CHASE (NOT INDICATED FOR CLARITY).

   b. PROVIDE A RELAY CONTROLLED CONDUCTOR OF THE CIRCUIT INDICATED TO CONTROL THE MAIN LIGHTING IN EACH CELL LIGHTING FIXTURE. REFER TO THE RELAY SCHEDULES FOR THE RELAY NUMBER. ALSO PROVIDE AN UNSWITCHED CONDUCTOR OF THE CIRCUIT INDICATED TO THE NIGHT LIGHT IN EACH CELL LIGHTING FIXTURE WHICH SHALL BE ILLUMINATE AT ALL TIMES.

G. GENERAL NOTES FOR LIGHTING FIXTURE TYPE "V1":
   a. PROVIDE EXPOSED GRS CONDUIT AND CAST BOXES FOR LIGHTING IN CHASES. THESE FIXTURES SHALL NOT BE RELAY CONTROLLED.



FIRST FLOOR PLAN - PART BE - LIGHTING
1/8" = 1'-0"



KEY PLAN

0' 2' 4' 8' 16'
1/8" = 1'-0"

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 024242 ENGINEER WILLIAM J. CARY JR.

MOSELEY ARCHITECTS, P.C. CERTIFICATE OF AUTHORIZATION TO PRACTICE ARCHITECTURE IN THE CORPORATE FORM C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO:	DATE:
621373	DECEMBER 12, 2023

REVISIONS

DATE	DESCRIPTION

FIRST FLOOR PLAN - PART BE - LIGHTING

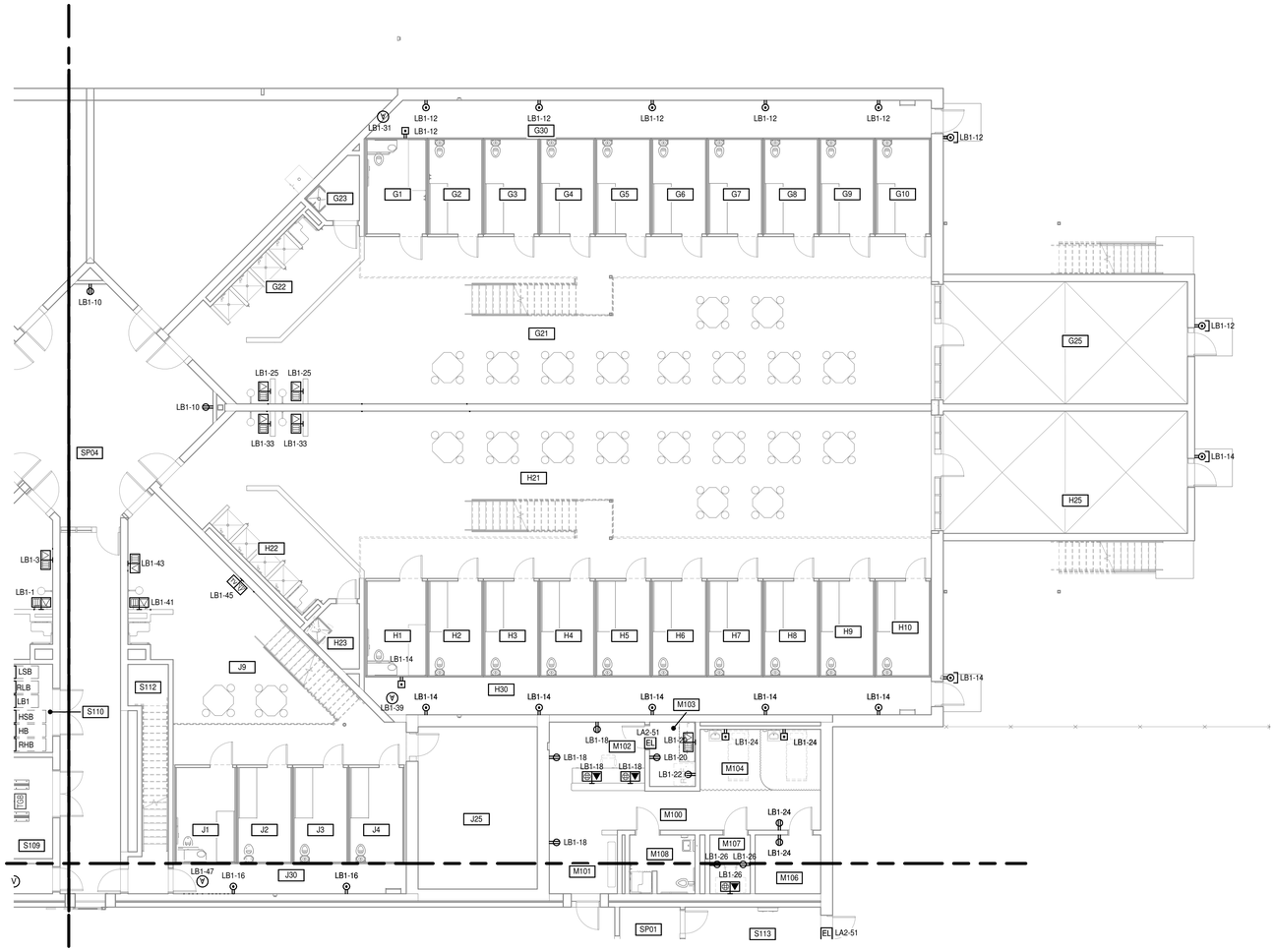
E2.1.3.1

12/11/2023 9:44:15 AM

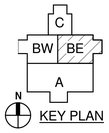
KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY n

1. COORDINATE RECEPTACLE AND DATA OUTLET LOCATIONS AND MOUNTING HEIGHTS WITH THE MILLWORK INDICATED ON THE ARCHITECTURAL PLANS PRIOR TO INSTALLATION.
2. POWER CIRCUITS IN THIS SPACE ARE RELAY CONTROLLED. REFER TO THE RELAY SCHEDULE FOR THE RELAY NUMBER.
3. PROVIDE CEILING MOUNTED OUTLET FOR METAL DETECTOR POWER AND FINAL CONNECTION TO EQUIPMENT IN GRS CONDUIT. COORDINATE POWER REQUIREMENTS WITH THE PROVIDER AND FIELD ADJUST AS REQUIRED.
4. POWER PANEL SHALL BE PROVIDED WITH THE GENERATOR TO POWER GENERATOR ACCESSORIES INCLUDING BATTERY CHARGER AND JACKET HEATER. IF MANUFACTURER CAN NOT PROVIDE, ELECTRICAL CONTRACTOR SHALL PROVIDE.
5. EPO SWITCH FOR GENERATOR
6. PROVIDE A 120V, 20A, 20 RELAY (ONE POLE SPARE) TO CONTROL THIS SOLENOID FROM THE SECURITY SYSTEM.



FIRST FLOOR PLAN - PART BE - POWER
1/8" = 1'-0"



KEY PLAN

0' 2' 4' 8' 16'
1/8" = 1'-0"

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 024242 ENGINEER WILLIAM J. CARY JR.

MOSELEY ARCHITECTS PC REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

FIRST FLOOR PLAN - PART BE - POWER

E2.1.3.2

12/11/2023 9:44:19 AM

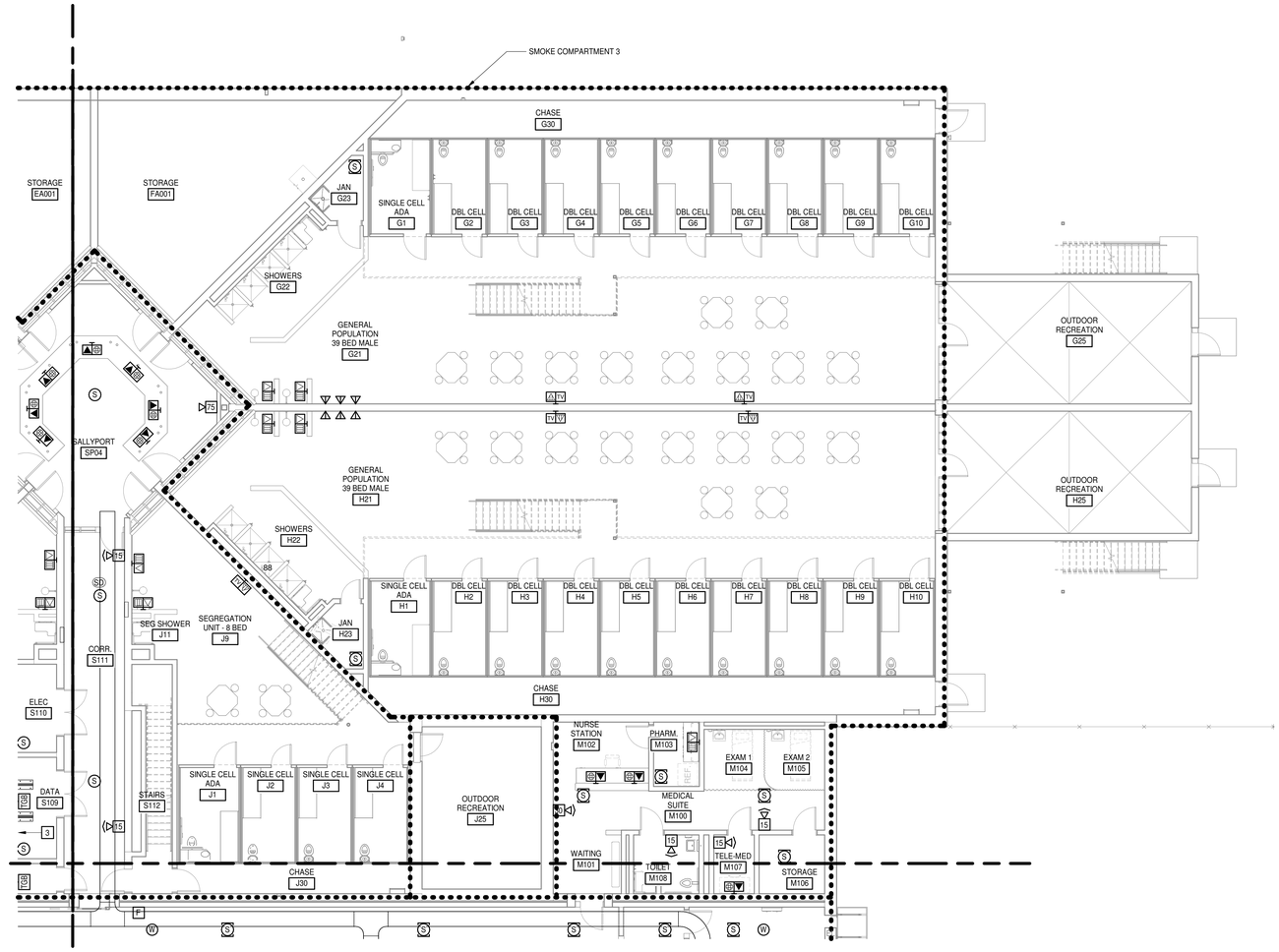
KEYNOTES

APPLIES TO THIS DRAWING ONLY
REPRESENTED BY [n]

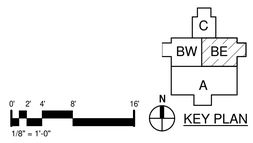
1. COORDINATE OUTLET LOCATION WITH COMPUTER STATIONS INDICATED ON THE ARCHITECTURAL PLANS.
2. COORDINATE LOCATION OF SMOKE DETECTOR ABOVE CELLS IN CHASE SPACES WITH OTHER TRADES AND RELOCATE AS REQUIRED SUCH THAT DETECTOR WILL BE ACCESSIBLE.
3. PROVIDE 4'X8'X3/4" FIRE RESISTANT PLYWOOD ON WALLS INDICATED COVERED WITH TWO COATS OF WHITE PAINT. DO NOT COVER FIRE RESISTANT STAMP. ADHERE TO WALL WITH SCREWS IN THE WALLS STRUCTURE.

GENERAL NOTES

A. REFER TO MECHANICAL POWER PLANS FOR ADDITIONAL FIRE ALARM CONNECTIONS.



FIRST FLOOR PLAN - PART BE - COMMUNICATIONS
1/8" = 1'-0"



0' 2' 4' 8' 16'
1/8" = 1'-0"

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 024242 ENGINEER WILLIAM J. CARY JR

MOSELEY ARCHITECTS P.A. REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, N.C.

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

FIRST FLOOR PLAN - PART BE COMMUNICATIONS

E2.1.3.3

12/11/2023 9:44:23 AM

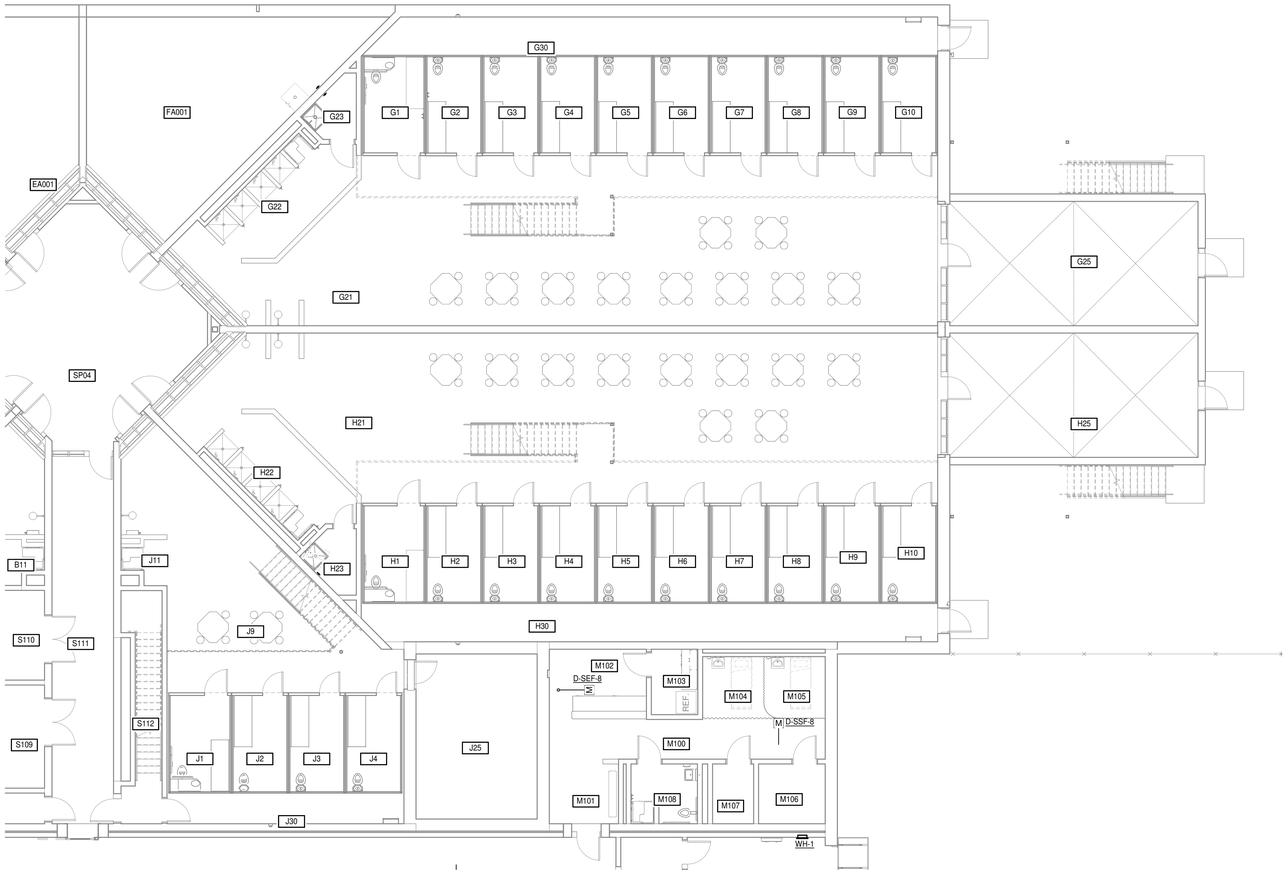
KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY [n]

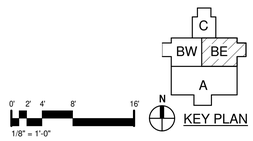
1. PROVIDE MUSHROOM HEAD SWITCH TO DE-ENERGIZE GAS EQUIPMENT IN THIS SPACE.

DIV 23 ELECTRICAL CONNECTION SCHEDULE BE

TAG	VOLTAGE	# POLES	LOAD	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS
D-SEF-8	120 V	1	0.1 kVA	LSB	5	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
D-SSF-8	120 V	1	0.1 kVA	LSB	5	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.



FIRST FLOOR PLAN - PART BE - MECHANICAL POWER
1/8" = 1'-0"



0' 2' 4' 8' 16'
1/8" = 1'-0"

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA REGISTERED PROFESSIONAL SEAL 024242 ENGINEER WILLIAM J. CARY, JR.

MOSELEY ARCHITECTS P.A. NORTH CAROLINA FIRM CORPORATION C-3469 CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO:	DATE:
821373	DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

FIRST FLOOR PLAN - PART BE - MECHANICAL POWER

E2.1.3.4

12/11/2023 9:44:26 AM

KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY n

1. FIXTURES IN THIS SPACE CONNECTED TO NORMAL POWER ARE RELAY CONTROLLED. REFER TO THE RELAY SCHEDULE FOR THE RELAY NUMBER . FIXTURES CONNECTED TO EMERGENCY POWER SHALL NOT BE CONTROLLED UNO.
2. RELOCATE THIS FIXTURE IF THE ALTERNATE IS ACCEPTED.

GENERAL NOTES

A. WHERE FIXTURES ARE EQUIPPED WITH BATTERY BACKUP OR GENERATOR TRANSFER SWITCH ARE LOCALLY CONTROLLED (NOT RELAY CONTROLLED), CONNECT TO THE LOCAL NORMAL CCT AND THE EMERGENCY CIRCUIT INDICATED.

B. BATTERY FIXTURES IN DAY ROOMS AND CORRIDORS AND WHERE DENOTED BY "NL" SHALL FUNCTION AS NITE LIGHTS. BE CONNECT ONLY TO THE EMERGENCY CIRCUIT INDICATED, SHALL NOT BE CONTROLLED AND SHALL BE ILLUMINATED 24-HOURS A DAY

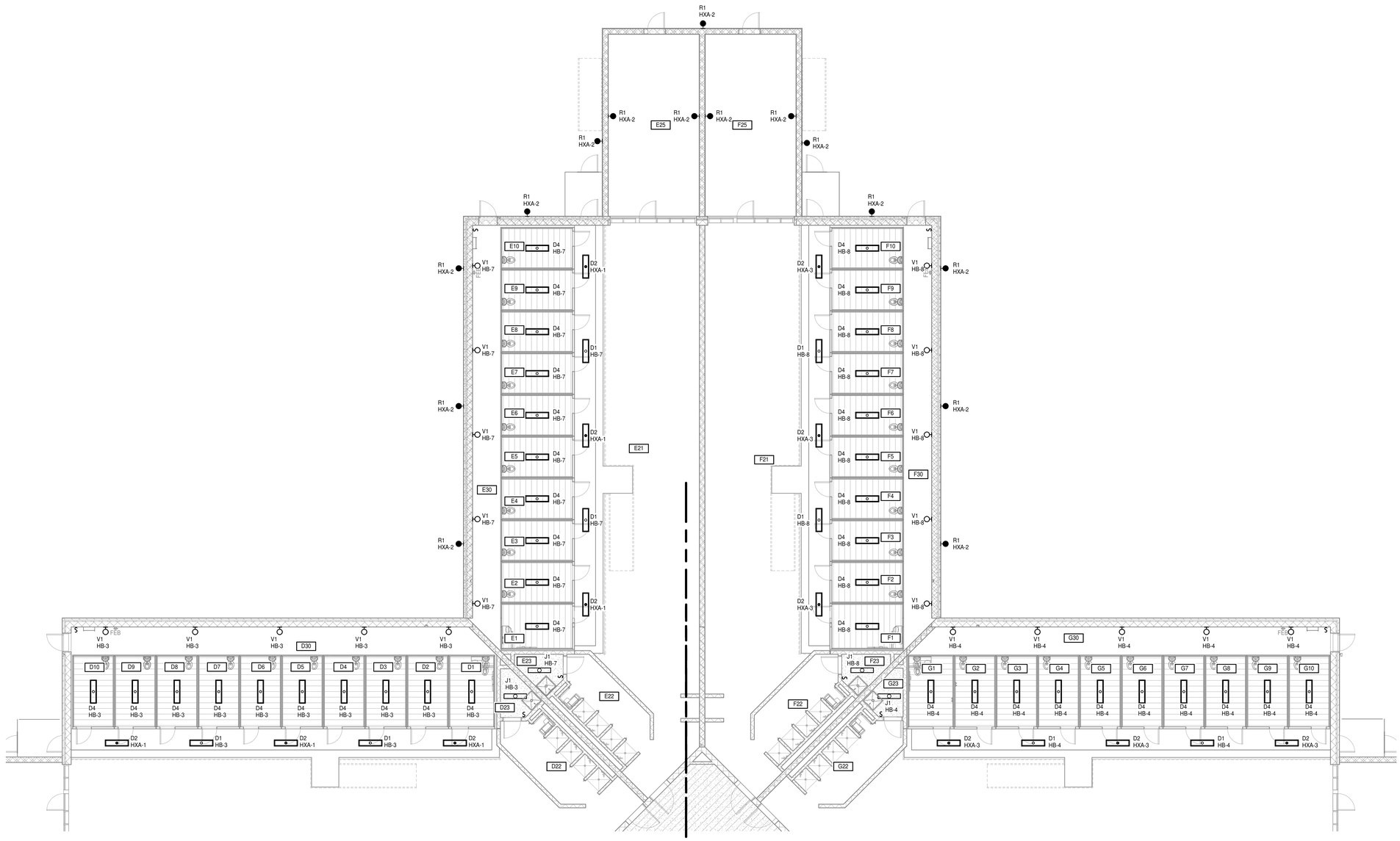
C. EXTERIOR FIXTURES ARE CONTACTOR CONTROLLED. REFER TO THE DETAIL ON DRAWING E4.1

D. EXTERIOR FIXTURES IN REC YARDS SHALL BE MOUNTED DIRECTLY BELOW THE SECURITY MESH.

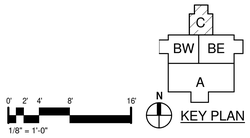
E. GENERAL NOTES FOR LIGHTING FIXTURE TYPE "D1", "D2", & "D4"
   a. EXPOSED CONDUIT AND BOXES ARE NOT ACCEPTABLE IN THE SECURED PERIMETER. CONDUIT AND BOXES FOR LIGHTING NOT LOCATED ABOVE A SECURED CEILING SHALL BE EMBEDDED IN THE STRUCTURE AND ROUTED TO A JUNCTION BOX IN A CHASE OR ABOVE ACT CEILING (JUNCTION BOX NOT SHOWN FOR CLARITY).

F. GENERAL NOTES FOR LIGHTING FIXTURE TYPE "D4":
   a. EXPOSED CONDUIT AND BOXES IN THE CELLS ARE NOT ACCEPTABLE. PROVIDE CONDUIT, BOXES AND THE SPECIFIED LIGHTING FIXTURE IN THE CELL WITH CONDUIT AND BOXES FOR CELL LIGHTING EMBEDDED IN THE STRUCTURE AND TERMINATED AT A JUNCTION BOX IN THE CHASE (NOT INDICATED FOR CLARITY).
   b. PROVIDE A RELAY CONTROLLED CONDUCTOR OF THE CIRCUIT INDICATED TO CONTROL THE MAIN LIGHTING IN EACH CELL LIGHTING FIXTURE. REFER TO THE RELAY SCHEDULES FOR THE RELAY NUMBER. ALSO PROVIDE AN UNSWITCHED CONDUCTOR OF THE CIRCUIT INDICATED TO THE NIGHT LIGHT IN EACH CELL LIGHTING FIXTURE WHICH SHALL BE ILLUMINATE AT ALL TIMES.

G. GENERAL NOTES FOR LIGHTING FIXTURE TYPE "V1":
   a. PROVIDE EXPOSED GRS CONDUIT AND CAST BOXES FOR LIGHTING IN CHASES. THESE FIXTURES SHALL NOT BE RELAY CONTROLLED.



FIRST FLOOR PLAN - PART C - LIGHTING - ADD ALTERNATE
1/8" = 1'-0"



KEY PLAN

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 024242 ENGINEER WILLIAM J. CARY JR.

MOSELEY ARCHITECTS PC REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

FIRST FLOOR PLAN - PART C - LIGHTING - ADD ALTERNATE

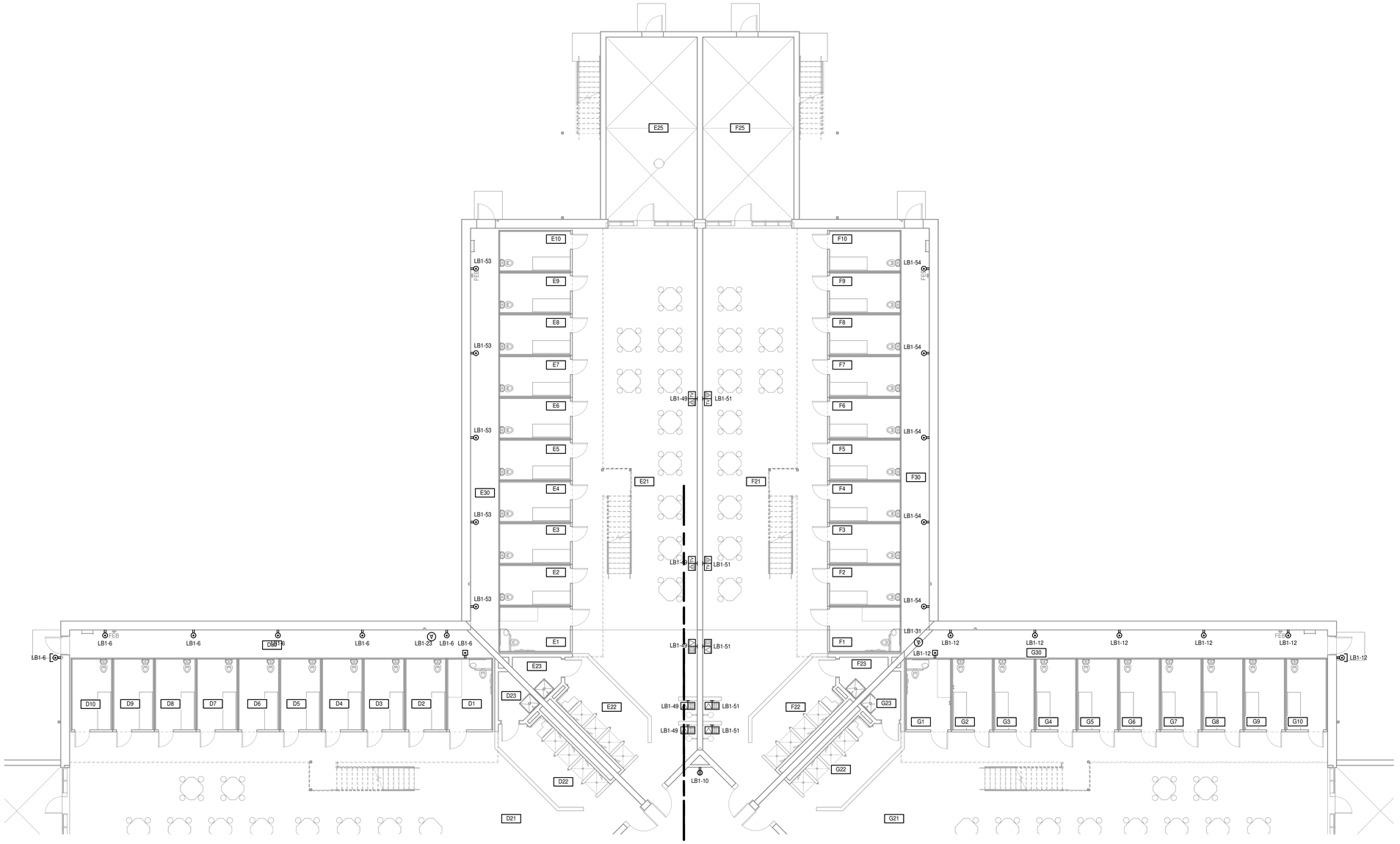
E2.1.4.1

12/11/2023 9:44:34 AM

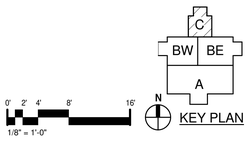
KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY [n]

1. COORDINATE RECEPTACLE AND DATA OUTLET LOCATIONS AND MOUNTING HEIGHTS WITH THE MILLWORK INDICATED ON THE ARCHITECTURAL PLANS PRIOR TO INSTALLATION.
2. POWER CIRCUITS IN THIS SPACE ARE RELAY CONTROLLED. REFER TO THE RELAY SCHEDULE FOR THE RELAY NUMBER.
3. PROVIDE CEILING MOUNTED OUTLET FOR METAL DETECTOR POWER AND FINAL CONNECTION TO EQUIPMENT IN GRS CONDUIT. COORDINATE POWER REQUIREMENTS WITH THE PROVIDER AND FIELD ADJUST AS REQUIRED.
4. POWER PANEL SHALL BE PROVIDED WITH THE GENERATOR TO POWER GENERATOR ACCESSORIES INCLUDING BATTERY CHARGER AND JACKET HEATER. IF MANUFACTURER CAN NOT PROVIDE, ELECTRICAL CONTRACTOR SHALL PROVIDE.
5. EPO SWITCH FOR GENERATOR
6. PROVIDE A 120V, 20A, 20 RELAY (ONE POLE SPARE) TO CONTROL THIS SOLENOID FROM THE SECURITY SYSTEM.



FIRST FLOOR PLAN - PART C - POWER - ADD ALTERNATE
1/8" = 1'-0"



0' 2' 4' 8' 16'
1/8" = 1'-0"

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 024242 ENGINEER WILLIAM J. CARY JR

MOSELEY ARCHITECTS P.A. ARCHITECTURE ENGINEERING INTERIOR DESIGN CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

FIRST FLOOR PLAN - PART C - POWER - ADD ALTERNATE

E2.1.4.2

12/11/2023 9:44:38 AM

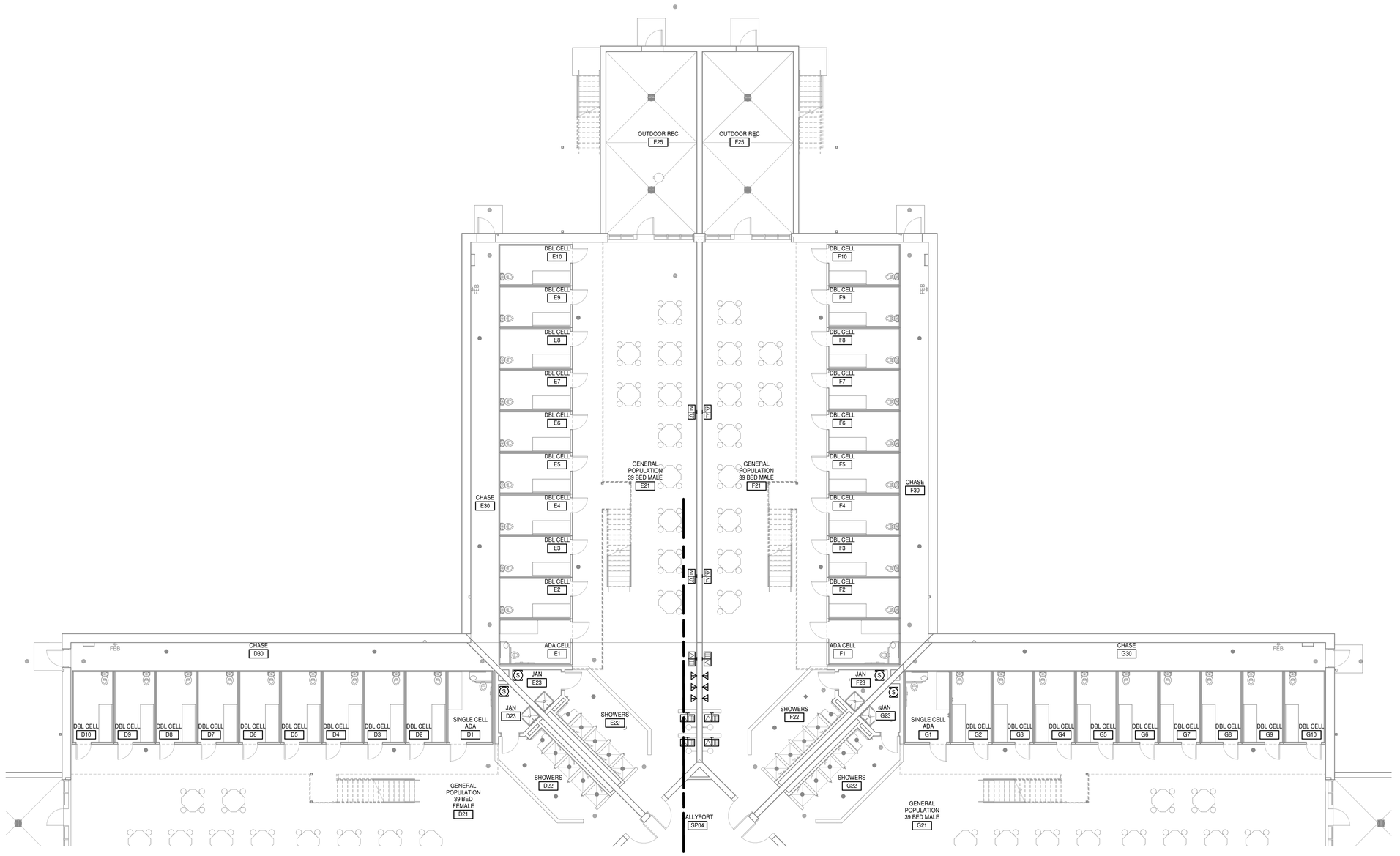
KEYNOTES

APPLIES TO THIS DRAWING ONLY
REPRESENTED BY n

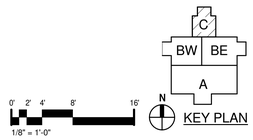
1. COORDINATE OUTLET LOCATION WITH COMPUTER STATIONS INDICATED ON THE ARCHITECTURAL PLANS.
2. COORDINATE LOCATION OF SMOKE DETECTOR ABOVE CELLS IN CHASE SPACES WITH OTHER TRADES AND RELOCATE AS REQUIRED SUCH THAT DETECTOR WILL BE ACCESSIBLE.
3. PROVIDE 4'X8'X3/4" FIRE RESISTANT PLYWOOD ON WALLS INDICATED COVERED WITH TWO COATS OF WHITE PAINT. DO NOT COVER FIRE RESISTANT STAMP. ADHERE TO WALL WITH SCREWS IN THE WALLS STRUCTURE.

GENERAL NOTES

A. REFER TO MECHANICAL POWER PLANS FOR ADDITIONAL FIRE ALARM CONNECTIONS.



FIRST FLOOR PLAN - PART C - COMMUNICATIONS - ADD ALTERNATE
1/8" = 1'-0"



KEY PLAN

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 024242 ENGINEER WILLIAM J. CARY JR.

MOSELEY ARCHITECTS PC REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

FIRST FLOOR PLAN - PART C COMMUNICATIONS ADD ALTERNATE

E2.1.4.3

12/11/2023 9:44:43 AM

KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY [n]

1. FIXTURES IN THIS SPACE CONNECTED TO NORMAL POWER ARE RELAY CONTROLLED. REFER TO THE RELAY SCHEDULE FOR THE RELAY NUMBER . FIXTURES CONNECTED TO EMERGENCY POWER SHALL NOT BE CONTROLLED UNO.

2. RELOCATE THIS FIXTURE IF THE ALTERNATE IS ACCEPTED.

GENERAL NOTES

A. WHERE FIXTURES ARE EQUIPPED WITH BATTERY BACKUP OR GENERATOR TRANSFER SWITCH ARE LOCALLY CONTROLLED (NOT RELAY CONTROLLED), CONNECT TO THE LOCAL NORMAL CCT AND THE EMERGENCY CIRCUIT INDICATED.

B. BATTERY FIXTURES IN DAY ROOMS AND CORRIDORS AND WHERE DENOTED BY "NL" SHALL FUNCTION AS NITE LIGHTS, BE CONNECT ONLY TO THE EMERGENCY CIRCUIT INDICATED, SHALL NOT BE CONTROLLED AND SHALL BE ILLUMINATED 24-HOURS A DAY

C. EXTERIOR FIXTURES ARE CONTACTOR CONTROLLED. REFER TO THE DETAIL ON DRAWING E4.1

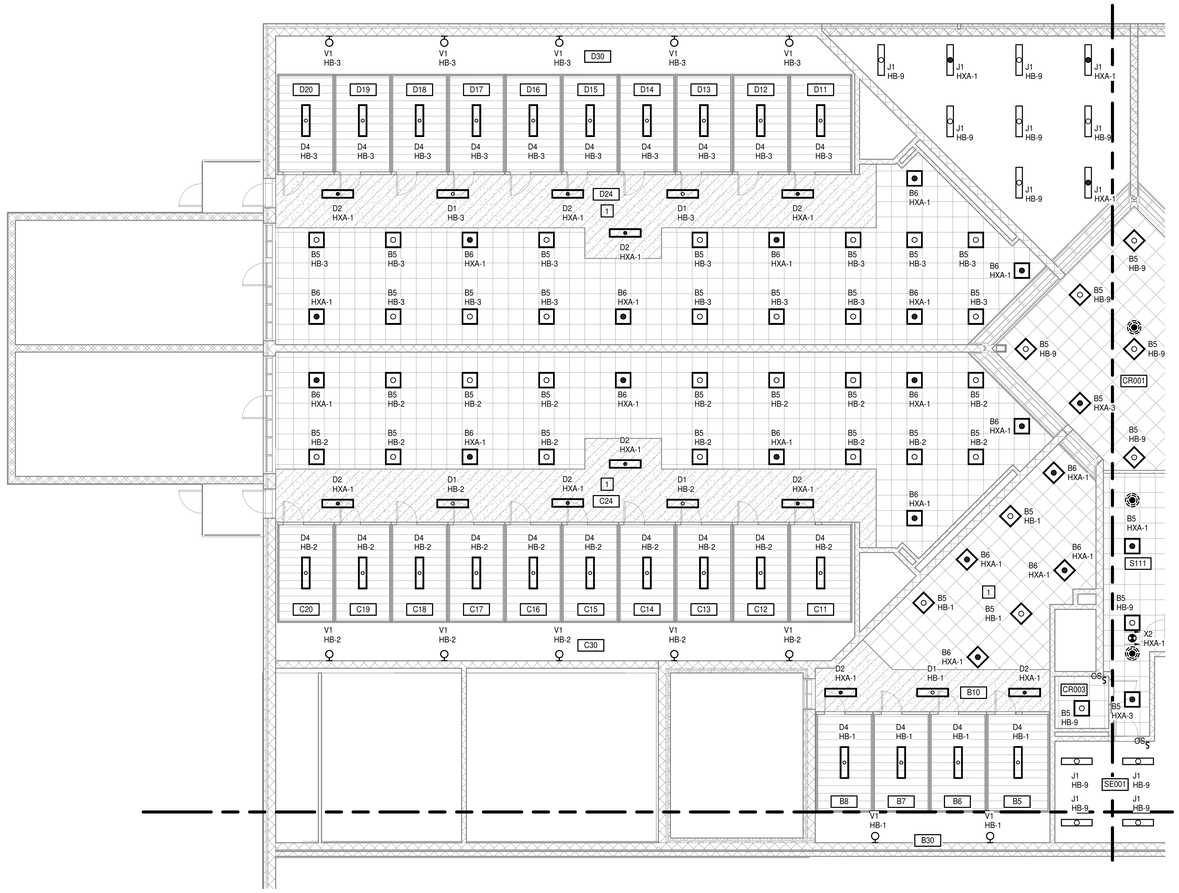
D. EXTERIOR FIXTURES IN REC YARDS SHALL BE MOUNTED DIRECTLY BELOW THE SECURITY MESH.

E. GENERAL NOTES FOR LIGHTING FIXTURE TYPE "D1", "D2", & "D4"
   a. EXPOSED CONDUIT AND BOXES ARE NOT ACCEPTABLE IN THE SECURED PERIMETER. CONDUIT AND BOXES FOR LIGHTING NOT LOCATED ABOVE A SECURED CEILING SHALL BE EMBEDDED IN THE STRUCTURE AND ROUTED TO A JUNCTION BOX IN A CHASE OR ABOVE ACT CEILING (JUNCTION BOX NOT SHOWN FOR CLARITY).

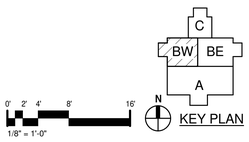
F. GENERAL NOTES FOR LIGHTING FIXTURE TYPE "D4":
   a. EXPOSED CONDUIT AND BOXES IN THE CELLS ARE NOT ACCEPTABLE. PROVIDE CONDUIT, BOXES AND THE SPECIFIED LIGHTING FIXTURE IN THE CELL WITH CONDUIT AND BOXES FOR CELL LIGHTING EMBEDDED IN THE STRUCTURE AND TERMINATED AT A JUNCTION BOX IN THE CHASE (NOT INDICATED FOR CLARITY).

   b. PROVIDE A RELAY CONTROLLED CONDUCTOR OF THE CIRCUIT INDICATED TO CONTROL THE MAIN LIGHTING IN EACH CELL LIGHTING FIXTURE. REFER TO THE RELAY SCHEDULES FOR THE RELAY NUMBER. ALSO PROVIDE AN UNSWITCHED CONDUCTOR OF THE CIRCUIT INDICATED TO THE NIGHT LIGHT IN EACH CELL LIGHTING FIXTURE WHICH SHALL BE ILLUMINATE AT ALL TIMES.

G. GENERAL NOTES FOR LIGHTING FIXTURE TYPE "V1":
   a. PROVIDE EXPOSED GRS CONDUIT AND CAST BOXES FOR LIGHTING IN CHASES. THESE FIXTURES SHALL NOT BE RELAY CONTROLLED.



TIER LEVEL PLAN - PART BW - LIGHTING
1/8" = 1'-0"



0' 2' 4' 8' 16'
1/8" = 1'-0"

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 024242 ENGINEER WILLIAM J. CARY, JR.

MOSELEY ARCHITECTS P.C. INDUSTRY TRADITIONS INCORPORATED C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

TIER FLOOR PLAN - PART BW - LIGHTING

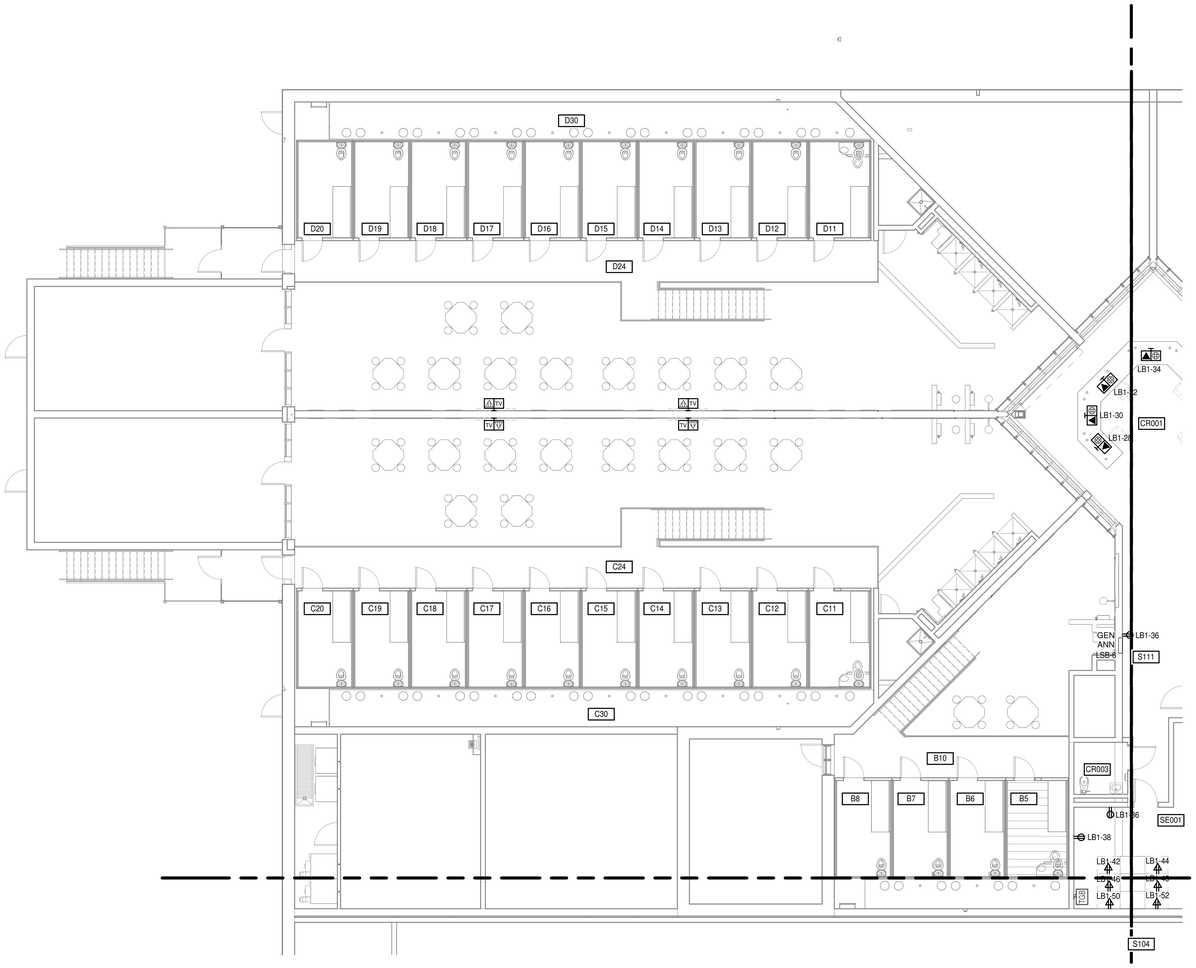
E2.2.1.1

12/11/2023 9:44:45 AM

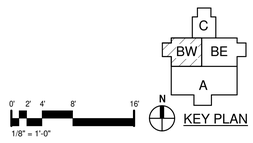
KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY n

1. COORDINATE RECEPTACLE AND DATA OUTLET LOCATIONS AND MOUNTING HEIGHTS WITH THE MILLWORK INDICATED ON THE ARCHITECTURAL PLANS PRIOR TO INSTALLATION.
2. POWER CIRCUITS IN THIS SPACE ARE RELAY CONTROLLED. REFER TO THE RELAY SCHEDULE FOR THE RELAY NUMBER.
3. PROVIDE CEILING MOUNTED OUTLET FOR METAL DETECTOR POWER AND FINAL CONNECTION TO EQUIPMENT IN GRS CONDUIT. COORDINATE POWER REQUIREMENTS WITH THE PROVIDER AND FIELD ADJUST AS REQUIRED.
4. POWER PANEL SHALL BE PROVIDED WITH THE GENERATOR TO POWER GENERATOR ACCESSORIES INCLUDING BATTERY CHARGER AND JACKET HEATER. IF MANUFACTURER CAN NOT PROVIDE, ELECTRICAL CONTRACTOR SHALL PROVIDE.
5. EPO SWITCH FOR GENERATOR
6. PROVIDE A 120V, 20A, 20 RELAY (ONE POLE SPARE) TO CONTROL THIS SOLENOID FROM THE SECURITY SYSTEM.



TIER LEVEL PLAN - PART BW - POWER
1/8" = 1'-0"



KEY PLAN

0' 2' 4' 8' 16'
1/8" = 1'-0"

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 024242 ENGINEER WILLIAM J. CARY JR.

MOSELEY ARCHITECTS PC REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

TIER FLOOR PLAN - PART BW - POWER

E2.2.1.2

12/11/2023 9:44:50 AM

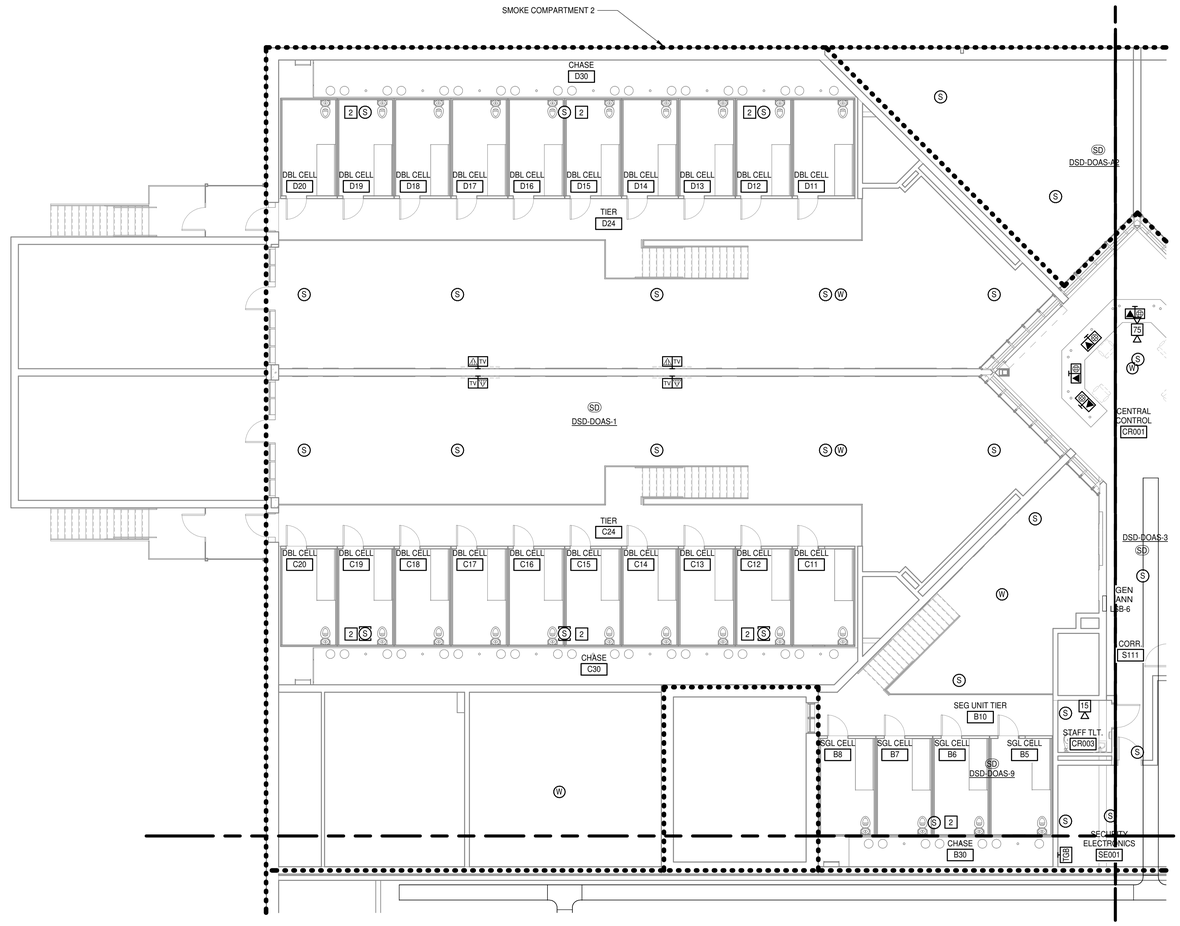
KEYNOTES

APPLIES TO THIS DRAWING ONLY
REPRESENTED BY [n]

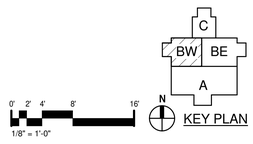
1. COORDINATE OUTLET LOCATION WITH COMPUTER STATIONS INDICATED ON THE ARCHITECTURAL PLANS.
2. COORDINATE LOCATION OF SMOKE DETECTOR ABOVE CELLS IN CHASE SPACES WITH OTHER TRADES AND RELOCATE AS REQUIRED SUCH THAT DETECTOR WILL BE ACCESSIBLE.
3. PROVIDE 4'X8'X3/4" FIRE RESISTANT PLYWOOD ON WALLS INDICATED COVERED WITH TWO COATS OF WHITE PAINT. DO NOT COVER FIRE RESISTANT STAMP. ADHERE TO WALL WITH SCREWS IN THE WALLS STRUCTURE.

GENERAL NOTES

A. REFER TO MECHANICAL POWER PLANS FOR ADDITIONAL FIRE ALARM CONNECTIONS.



TIER LEVEL PLAN - PART BW - COMMUNICATIONS
1/8" = 1'-0"



0' 2' 4' 8' 16'
1/8" = 1'-0"

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 024242 ENGINEER WILLIAM J. CARY JR

MOSELEY ARCHITECTS P.A. REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

TIER FLOOR PLAN - PART BW COMMUNICATIONS

E2.2.1.3

12/11/2023 9:44:53 AM

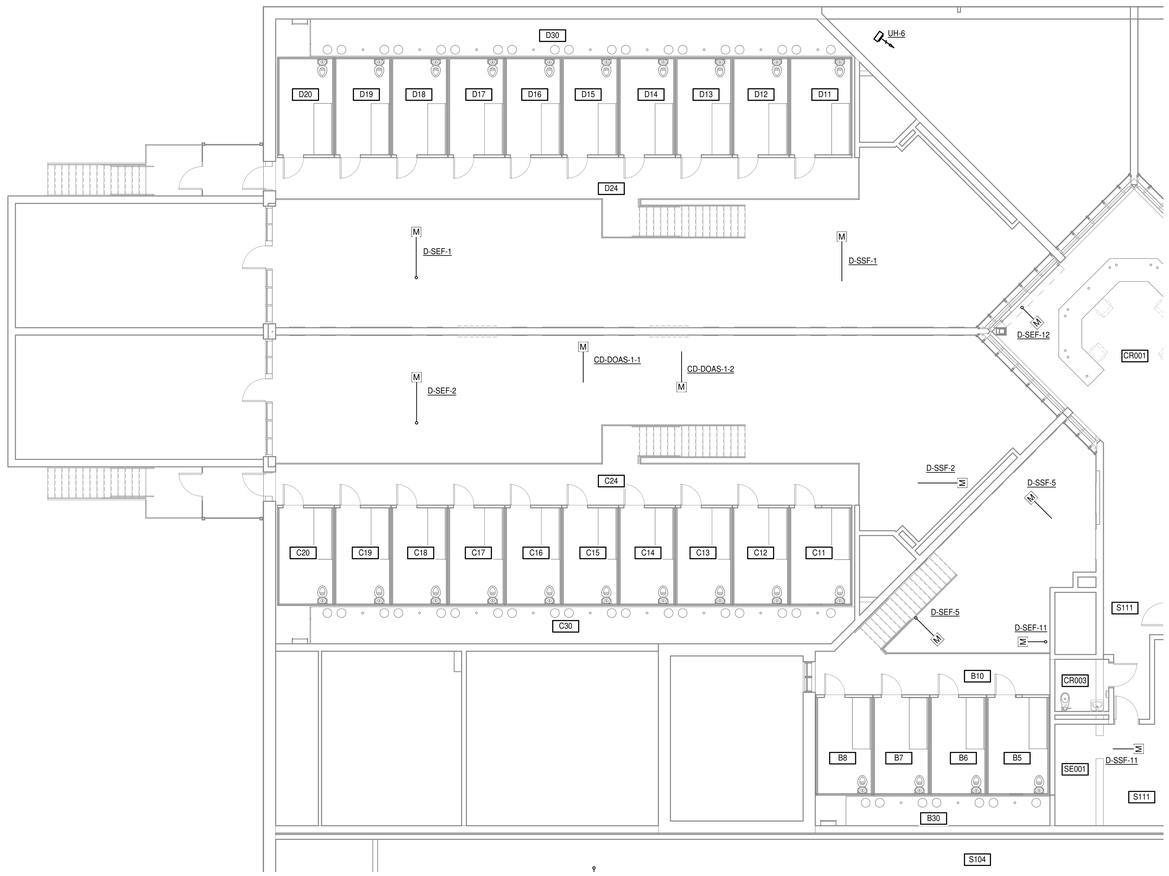
KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY [n]

1. PROVIDE MUSHROOM HEAD SWITCH TO DE-ENERGIZE GAS EQUIPMENT IN THIS SPACE.

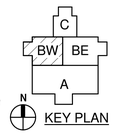
DIV 23 ELECTRICAL CONNECTION SCHEDULE TBW

TAG	VOLTAGE	# POLES	LOAD	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS
CD-DOAS-1-1	120 V	1	0.1 kVA	LSB	1	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
CD-DOAS-1-2	120 V	1	0.1 kVA	LSB	1	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
D-SEF-1	120 V	1	0.1 kVA	LSB	1	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
D-SEF-2	120 V	1	0.1 kVA	LSB	1	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
D-SEF-5	120 V	1	0.1 kVA	LSB	1	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
D-SEF-11	120 V	1	0.1 kVA	LSB	1	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
D-SEF-12	120 V	1	0.1 kVA	LSB	1	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
D-SSF-1	120 V	1	0.1 kVA	LSB	1	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
D-SSF-2	120 V	1	0.1 kVA	LSB	1	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
D-SSF-5	120 V	1	0.1 kVA	LSB	1	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
UH-6	277 V	1	3.3 kVA	HB	10	2#12,#12G,3/4"C	PROVIDE WITH UNIT.	



TIER LEVEL PLAN - PART BW - MECHANICAL POWER
1/8" = 1'-0"

0' 2' 4' 8' 16'
1/8" = 1'-0"



KEY PLAN

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 024242 ENGINEER JR WILMINGTON, NC

MOSELEY ARCHITECTS PROFESSIONAL CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 821373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

TIER FLOOR PLAN - PART BW - MECHANICAL POWER

E2.2.1.4

12/11/2023 9:44:56 AM

KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY n

1. FIXTURES IN THIS SPACE CONNECTED TO NORMAL POWER ARE RELAY CONTROLLED. REFER TO THE RELAY SCHEDULE FOR THE RELAY NUMBER . FIXTURES CONNECTED TO EMERGENCY POWER SHALL NOT BE CONTROLLED UNO.
2. RELOCATE THIS FIXTURE IF THE ALTERNATE IS ACCEPTED.

GENERAL NOTES

A. WHERE FIXTURES ARE EQUIPPED WITH BATTERY BACKUP OR GENERATOR TRANSFER SWITCH ARE LOCALLY CONTROLLED (NOT RELAY CONTROLLED), CONNECT TO THE LOCAL NORMAL CCT AND THE EMERGENCY CIRCUIT INDICATED.

B. BATTERY FIXTURES IN DAY ROOMS AND CORRIDORS AND WHERE DENOTED BY "NL" SHALL FUNCTION AS NITE LIGHTS. BE CONNECT ONLY TO THE EMERGENCY CIRCUIT INDICATED, SHALL NOT BE CONTROLLED AND SHALL BE ILLUMINATED 24-HOURS A DAY

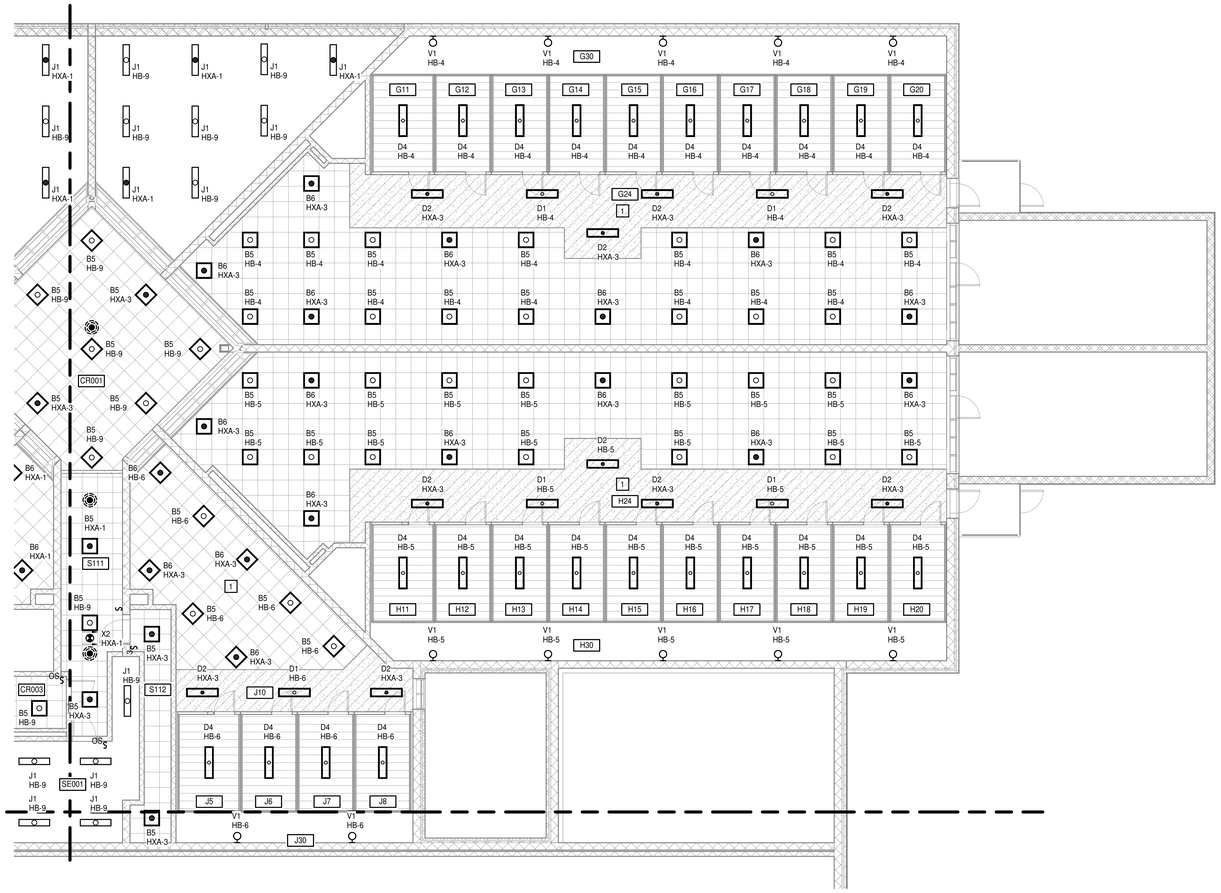
C. EXTERIOR FIXTURES ARE CONTACTOR CONTROLLED. REFER TO THE DETAIL ON DRAWING E4.1

D. EXTERIOR FIXTURES IN REC YARDS SHALL BE MOUNTED DIRECTLY BELOW THE SECURITY MESH.

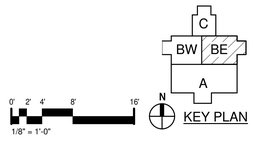
E. GENERAL NOTES FOR LIGHTING FIXTURE TYPE "D1", "D2", & "D4"
   a. EXPOSED CONDUIT AND BOXES ARE NOT ACCEPTABLE IN THE SECURED PERIMETER. CONDUIT AND BOXES FOR LIGHTING NOT LOCATED ABOVE A SECURED CEILING SHALL BE EMBEDDED IN THE STRUCTURE AND ROUTED TO A JUNCTION BOX IN A CHASE OR ABOVE ACT CEILING (JUNCTION BOX NOT SHOWN FOR CLARITY).

F. GENERAL NOTES FOR LIGHTING FIXTURE TYPE "D4":
   a. EXPOSED CONDUIT AND BOXES IN THE CELLS ARE NOT ACCEPTABLE. PROVIDE CONDUIT, BOXES AND THE SPECIFIED LIGHTING FIXTURE IN THE CELL WITH CONDUIT AND BOXES FOR CELL LIGHTING EMBEDDED IN THE STRUCTURE AND TERMINATED AT A JUNCTION BOX IN THE CHASE (NOT INDICATED FOR CLARITY).
   b. PROVIDE A RELAY CONTROLLED CONDUCTOR OF THE CIRCUIT INDICATED TO CONTROL THE MAIN LIGHTING IN EACH CELL LIGHTING FIXTURE. REFER TO THE RELAY SCHEDULES FOR THE RELAY NUMBER. ALSO PROVIDE AN UNSWITCHED CONDUCTOR OF THE CIRCUIT INDICATED TO THE NIGHT LIGHT IN EACH CELL LIGHTING FIXTURE WHICH SHALL BE ILLUMINATE AT ALL TIMES.

G. GENERAL NOTES FOR LIGHTING FIXTURE TYPE "V1":
   a. PROVIDE EXPOSED GRS CONDUIT AND CAST BOXES FOR LIGHTING IN CHASES. THESE FIXTURES SHALL NOT BE RELAY CONTROLLED.



TIER LEVEL PLAN - PART BE - LIGHTING
1/8" = 1'-0"



KEY PLAN

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 024242 ENGINEER WILLIAM J. CARY JR.

MOSELEY ARCHITECTS, PC REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

TIER FLOOR PLAN - PART BE - LIGHTING

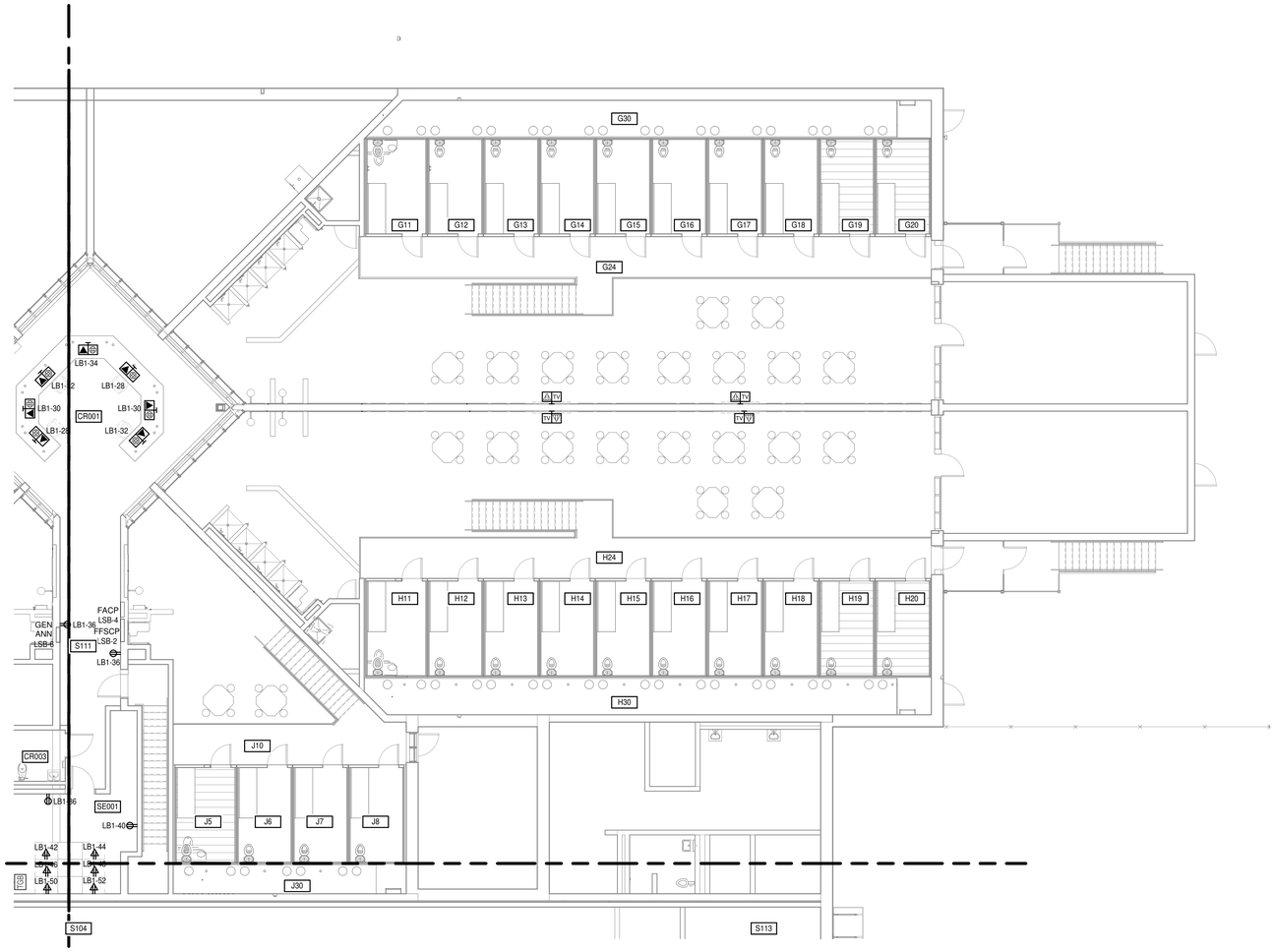
E2.2.2.1

12/11/2023 9:44:58 AM

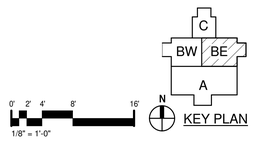
KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY n

1. COORDINATE RECEPTACLE AND DATA OUTLET LOCATIONS AND MOUNTING HEIGHTS WITH THE MILLWORK INDICATED ON THE ARCHITECTURAL PLANS PRIOR TO INSTALLATION.
2. POWER CIRCUITS IN THIS SPACE ARE RELAY CONTROLLED. REFER TO THE RELAY SCHEDULE FOR THE RELAY NUMBER.
3. PROVIDE CEILING MOUNTED OUTLET FOR METAL DETECTOR POWER AND FINAL CONNECTION TO EQUIPMENT IN GRS CONDUIT. COORDINATE POWER REQUIREMENTS WITH THE PROVIDER AND FIELD ADJUST AS REQUIRED.
4. POWER PANEL SHALL BE PROVIDED WITH THE GENERATOR TO POWER GENERATOR ACCESSORIES INCLUDING BATTERY CHARGER AND JACKET HEATER. IF MANUFACTURER CAN NOT PROVIDE, ELECTRICAL CONTRACTOR SHALL PROVIDE.
5. EPO SWITCH FOR GENERATOR
6. PROVIDE A 120V, 20A, 20 RELAY (ONE POLE SPARE) TO CONTROL THIS SOLENOID FROM THE SECURITY SYSTEM.



TIER LEVEL PLAN - PART BE - POWER
1/8" = 1'-0"



KEY PLAN

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 024242 ENGINEER WILLIAM J. CARY JR.

MOSELEY ARCHITECTS PC REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

TIER FLOOR PLAN - PART BE - POWER

E2.2.2.2

12/11/2023 9:45:04 AM

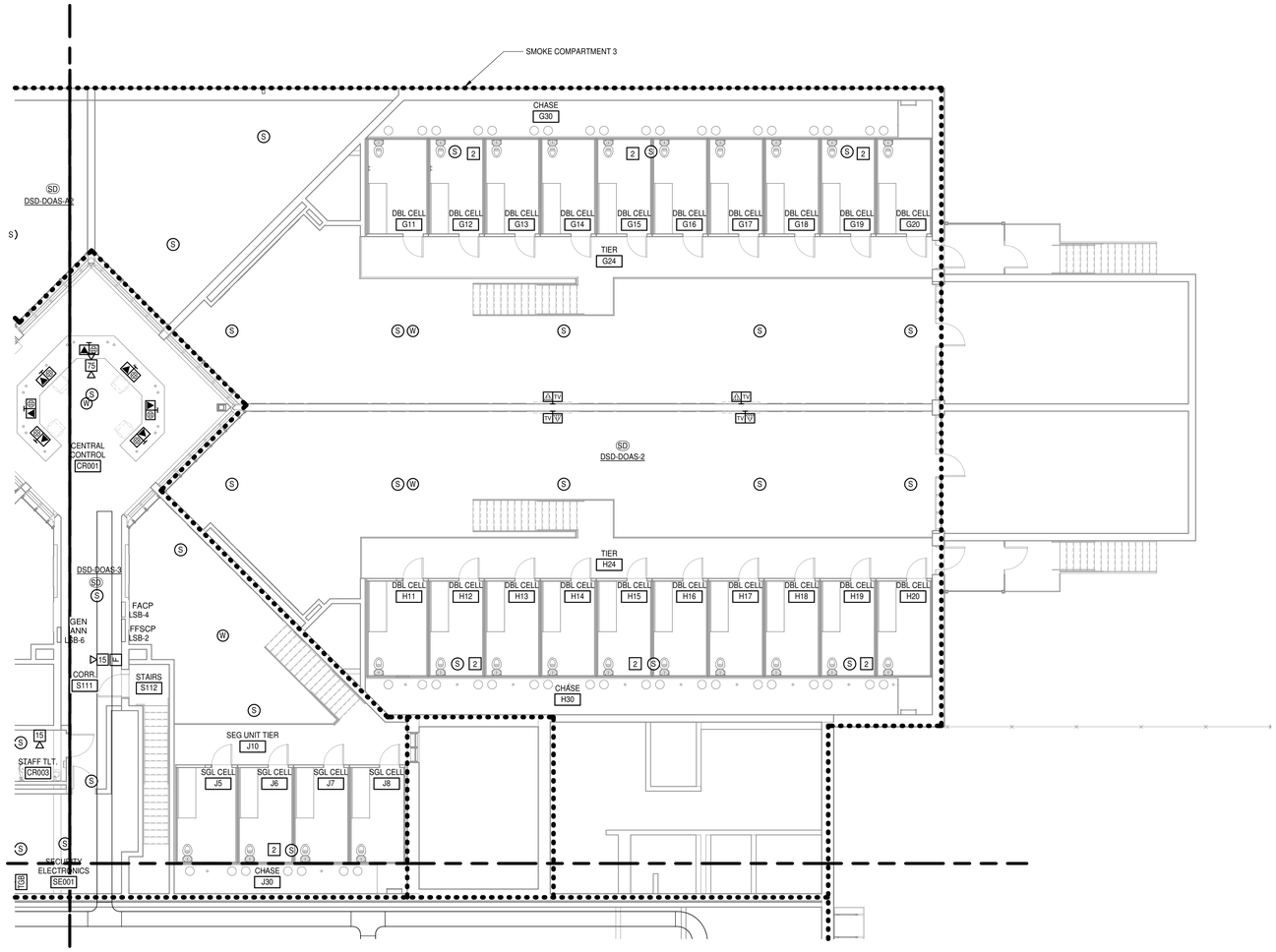
KEYNOTES

APPLIES TO THIS DRAWING ONLY
REPRESENTED BY [n]

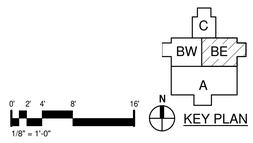
1. COORDINATE OUTLET LOCATION WITH COMPUTER STATIONS INDICATED ON THE ARCHITECTURAL PLANS.
2. COORDINATE LOCATION OF SMOKE DETECTOR ABOVE CELLS IN CHASE SPACES WITH OTHER TRADES AND RELOCATE AS REQUIRED SUCH THAT DETECTOR WILL BE ACCESSIBLE.
3. PROVIDE 4'X8'X3/4" FIRE RESISTANT PLYWOOD ON WALLS INDICATED COVERED WITH TWO COATS OF WHITE PAINT. DO NOT COVER FIRE RESISTANT STAMP. ADHERE TO WALL WITH SCREWS IN THE WALLS STRUCTURE.

GENERAL NOTES

A. REFER TO MECHANICAL POWER PLANS FOR ADDITIONAL FIRE ALARM CONNECTIONS.



TIER LEVEL PLAN - PART BE - COMMUNICATIONS
1/8" = 1'-0"



KEY PLAN

0' 2' 4' 8' 16'
1/8" = 1'-0"

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 024242 ENGINEER WILLIAM J CARY JR

MOSELEY ARCHITECTS P.A. REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

TIER FLOOR PLAN - PART BE COMMUNICATIONS

E2.2.2.3

12/11/2023 9:45:07 AM

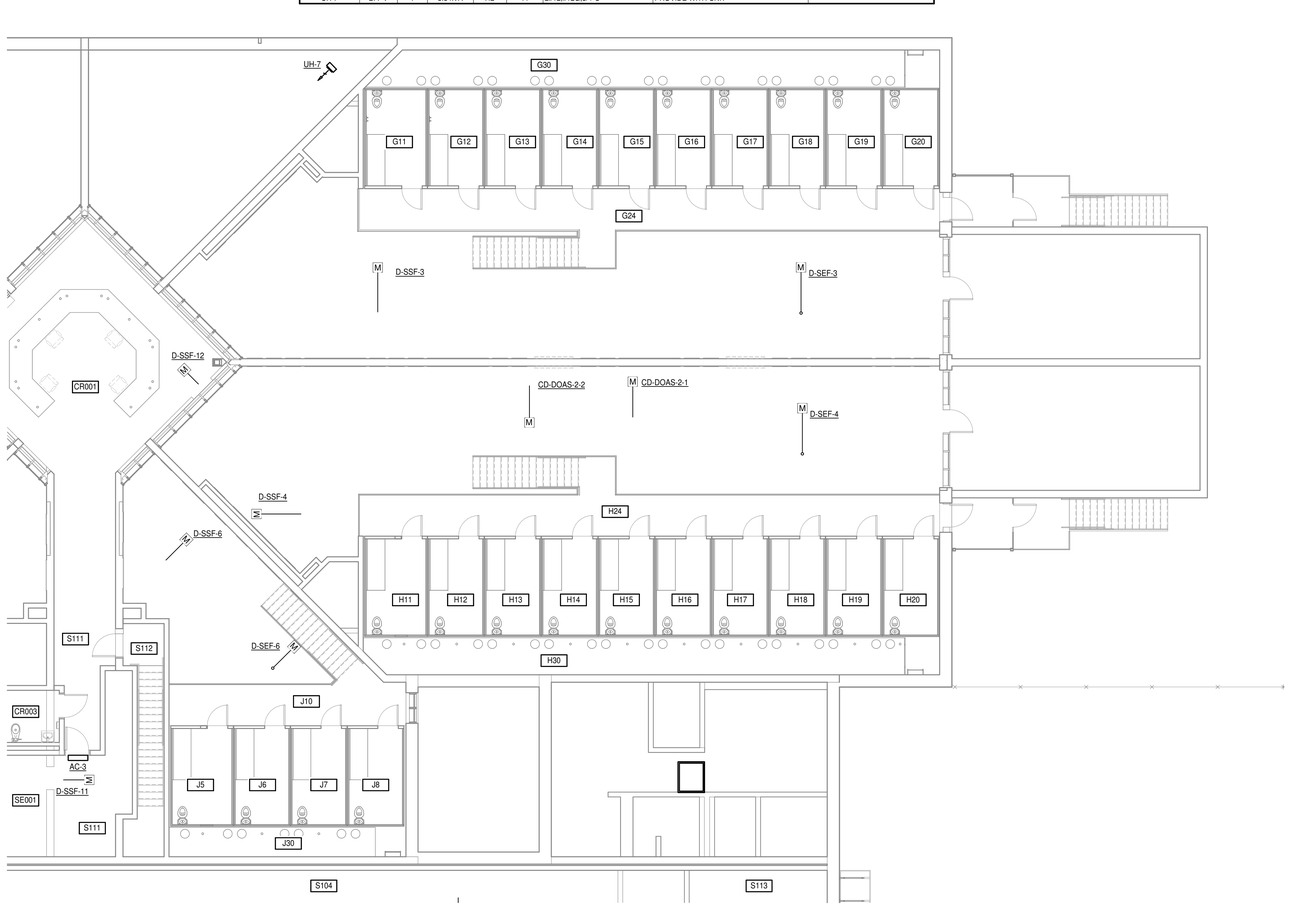
KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY [n]

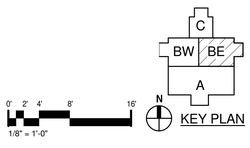
1. PROVIDE MUSHROOM HEAD SWITCH TO DE-ENERGIZE GAS EQUIPMENT IN THIS SPACE.

DIV 23 ELECTRICAL CONNECTION SCHEDULE TBE

TAG	VOLTAGE	# POLES	LOAD	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS
AC-3	208 V	1	0.0 kVA			PER MANUFACTURER	PER MANUFACTURER	CONNECT TO OUTDOOR UNIT
CD-DOAS-2-1	120 V	1	0.1 kVA	LSB	5	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
CD-DOAS-2-2	120 V	1	0.1 kVA	LSB	5	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
D-SEF-3	120 V	1	0.1 kVA	LSB	5	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
D-SEF-4	120 V	1	0.1 kVA	LSB	5	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
D-SEF-6	120 V	1	0.1 kVA	LSB	5	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
D-SSF-3	120 V	1	0.1 kVA	LSB	5	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
D-SSF-4	120 V	1	0.1 kVA	LSB	5	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
D-SSF-6	120 V	1	0.1 kVA	LSB	5	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
D-SSF-11	120 V	1	0.1 kVA	LSB	5	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
D-SSF-12	120 V	1	0.1 kVA	LSB	5	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
UH-7	277 V	1	3.3 kVA	HB	11	2#12,#12G,3/4"C	PROVIDE WITH UNIT	



TIER LEVEL PLAN - PART BE - MECHANICAL POWER
1/8" = 1'-0"



0' 2' 4' 8' 16'
1/8" = 1'-0"

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 024242 ENGINEER WILLIAM J. CARY

MOSELEY ARCHITECTS PROFESSIONAL CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 821373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

TIER FLOOR PLAN - PART BE - MECHANICAL POWER

E2.2.2.4

12/11/2023 9:45:11 AM

KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY n

1. FIXTURES IN THIS SPACE CONNECTED TO NORMAL POWER ARE RELAY CONTROLLED. REFER TO THE RELAY SCHEDULE FOR THE RELAY NUMBER . FIXTURES CONNECTED TO EMERGENCY POWER SHALL NOT BE CONTROLLED UNO.
2. RELOCATE THIS FIXTURE IF THE ALTERNATE IS ACCEPTED.

GENERAL NOTES

A. WHERE FIXTURES ARE EQUIPPED WITH BATTERY BACKUP OR GENERATOR TRANSFER SWITCH ARE LOCALLY CONTROLLED (NOT RELAY CONTROLLED), CONNECT TO THE LOCAL NORMAL CCT AND THE EMERGENCY CIRCUIT INDICATED.

B. BATTERY FIXTURES IN DAY ROOMS AND CORRIDORS AND WHERE DENOTED BY "NL" SHALL FUNCTION AS NITE LIGHTS. BE CONNECT ONLY TO THE EMERGENCY CIRCUIT INDICATED, SHALL NOT BE CONTROLLED AND SHALL BE ILLUMINATED 24-HOURS A DAY

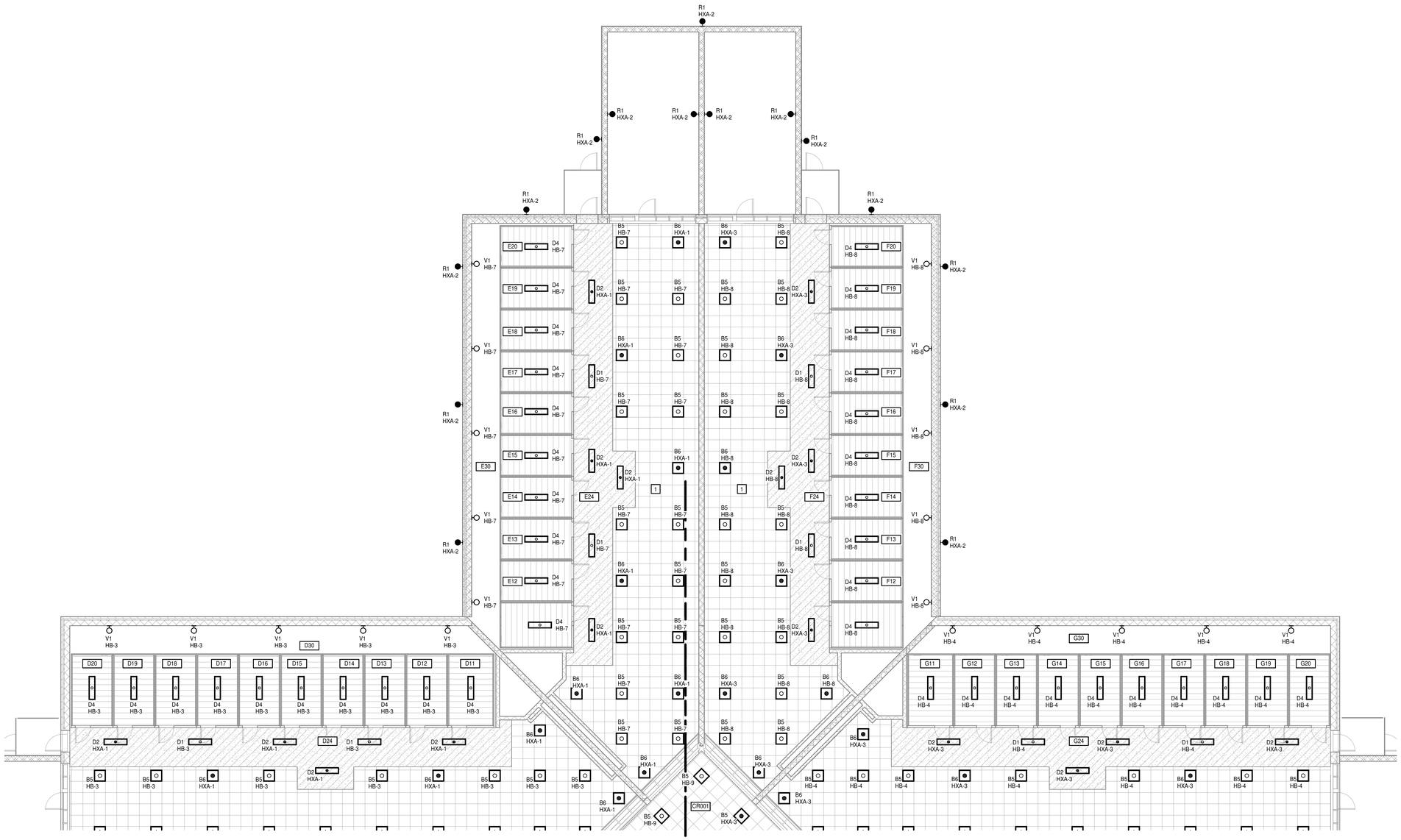
C. EXTERIOR FIXTURES ARE CONTACTOR CONTROLLED. REFER TO THE DETAIL ON DRAWING E4.1

D. EXTERIOR FIXTURES IN REC YARDS SHALL BE MOUNTED DIRECTLY BELOW THE SECURITY MESH.

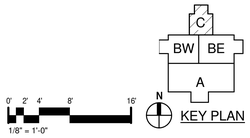
E. GENERAL NOTES FOR LIGHTING FIXTURE TYPE "D1", "D2", & "D4"
   a. EXPOSED CONDUIT AND BOXES ARE NOT ACCEPTABLE IN THE SECURED PERIMETER. CONDUIT AND BOXES FOR LIGHTING NOT LOCATED ABOVE A SECURED CEILING SHALL BE EMBEDDED IN THE STRUCTURE AND ROUTED TO A JUNCTION BOX IN A CHASE OR ABOVE ACT CEILING (JUNCTION BOX NOT SHOWN FOR CLARITY).

F. GENERAL NOTES FOR LIGHTING FIXTURE TYPE "D4":
   a. EXPOSED CONDUIT AND BOXES IN THE CELLS ARE NOT ACCEPTABLE. PROVIDE CONDUIT, BOXES AND THE SPECIFIED LIGHTING FIXTURE IN THE CELL WITH CONDUIT AND BOXES FOR CELL LIGHTING EMBEDDED IN THE STRUCTURE AND TERMINATED AT A JUNCTION BOX IN THE CHASE (NOT INDICATED FOR CLARITY).
   b. PROVIDE A RELAY CONTROLLED CONDUCTOR OF THE CIRCUIT INDICATED TO CONTROL THE MAIN LIGHTING IN EACH CELL LIGHTING FIXTURE. REFER TO THE RELAY SCHEDULES FOR THE RELAY NUMBER. ALSO PROVIDE AN UNSWITCHED CONDUCTOR OF THE CIRCUIT INDICATED TO THE NIGHT LIGHT IN EACH CELL LIGHTING FIXTURE WHICH SHALL BE ILLUMINATE AT ALL TIMES.

G. GENERAL NOTES FOR LIGHTING FIXTURE TYPE "V1":
   a. PROVIDE EXPOSED GRS CONDUIT AND CAST BOXES FOR LIGHTING IN CHASES. THESE FIXTURES SHALL NOT BE RELAY CONTROLLED.



TIER LEVEL PLAN - PART C - LIGHTING - ADD ALTERNATE
1/8" = 1'-0"



KEY PLAN

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 024242 ENGINEER WILLIAM J. CARR JR.

MOSELEY ARCHITECTS PC REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO:	DATE:
621373	DECEMBER 12, 2023

REVISIONS

DATE	DESCRIPTION

TIER FLOOR PLAN - PART C - LIGHTING - ADD ALTERNATE

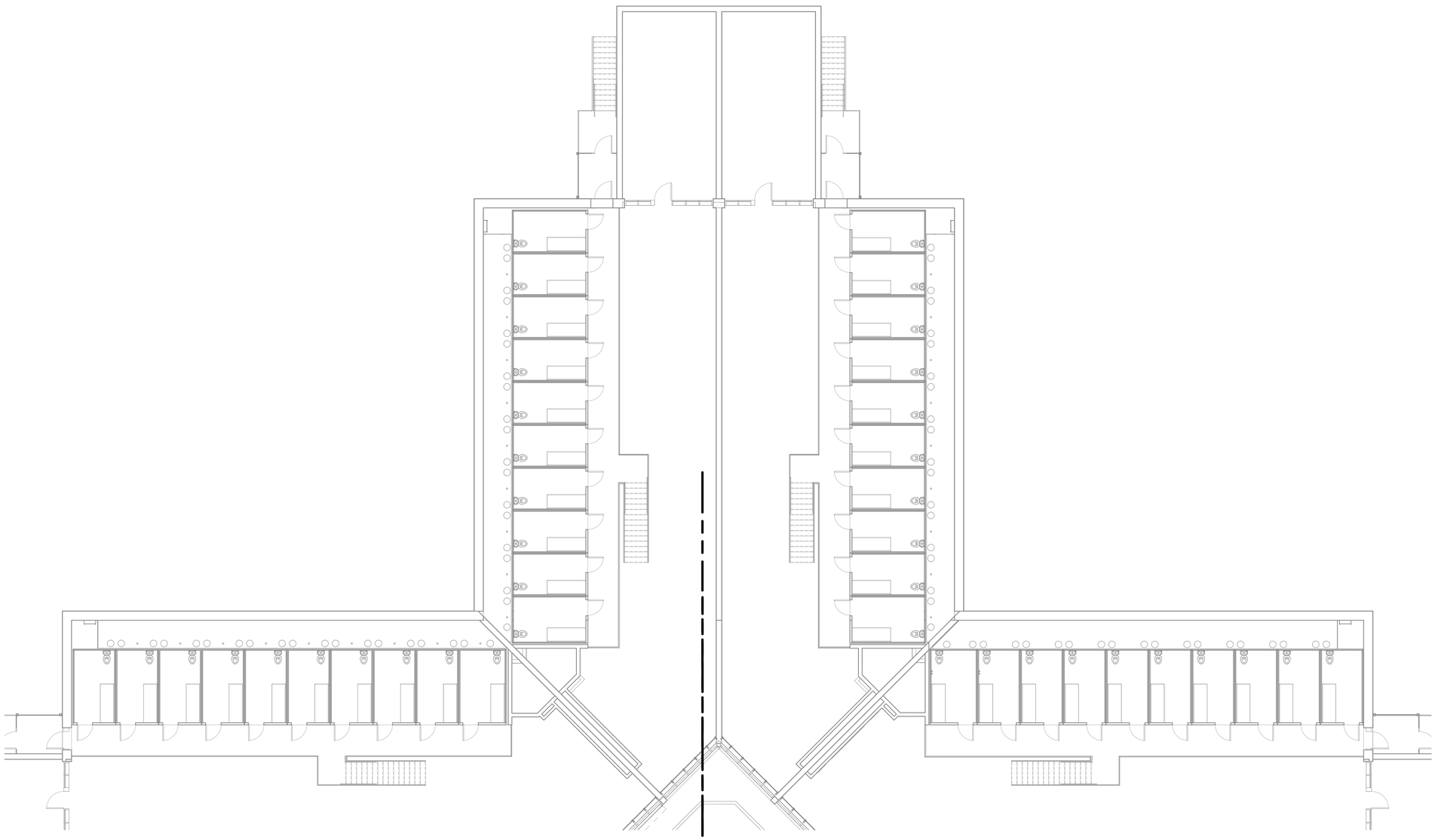
E2.2.3.1

12/11/2023 9:45:13 AM

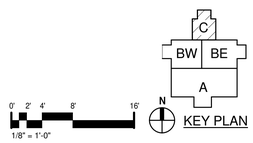
KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY n

1. COORDINATE RECEPTACLE AND DATA OUTLET LOCATIONS AND MOUNTING HEIGHTS WITH THE MILLWORK INDICATED ON THE ARCHITECTURAL PLANS PRIOR TO INSTALLATION.
2. POWER CIRCUITS IN THIS SPACE ARE RELAY CONTROLLED. REFER TO THE RELAY SCHEDULE FOR THE RELAY NUMBER.
3. PROVIDE CEILING MOUNTED OUTLET FOR METAL DETECTOR POWER AND FINAL CONNECTION TO EQUIPMENT IN GRS CONDUIT. COORDINATE POWER REQUIREMENTS WITH THE PROVIDER AND FIELD ADJUST AS REQUIRED.
4. POWER PANEL SHALL BE PROVIDED WITH THE GENERATOR TO POWER GENERATOR ACCESSORIES INCLUDING BATTERY CHARGER AND JACKET HEATER. IF MANUFACTURER CAN NOT PROVIDE, ELECTRICAL CONTRACTOR SHALL PROVIDE.
5. EPO SWITCH FOR GENERATOR
6. PROVIDE A 120V, 20A, 20 RELAY (ONE POLE SPARE) TO CONTROL THIS SOLENOID FROM THE SECURITY SYSTEM.



TIER LEVEL PLAN - PART C - POWER - ADD ALTERNATE
1/8" = 1'-0"



KEY PLAN

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 024242 ENGINEER WILLIAM J. CARY JR.

MOSELEY ARCHITECTS PC REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

TIER FLOOR PLAN - PART C - POWER - ADD ALTERNATE

E2.2.3.2

12/11/2023 9:45:16 AM

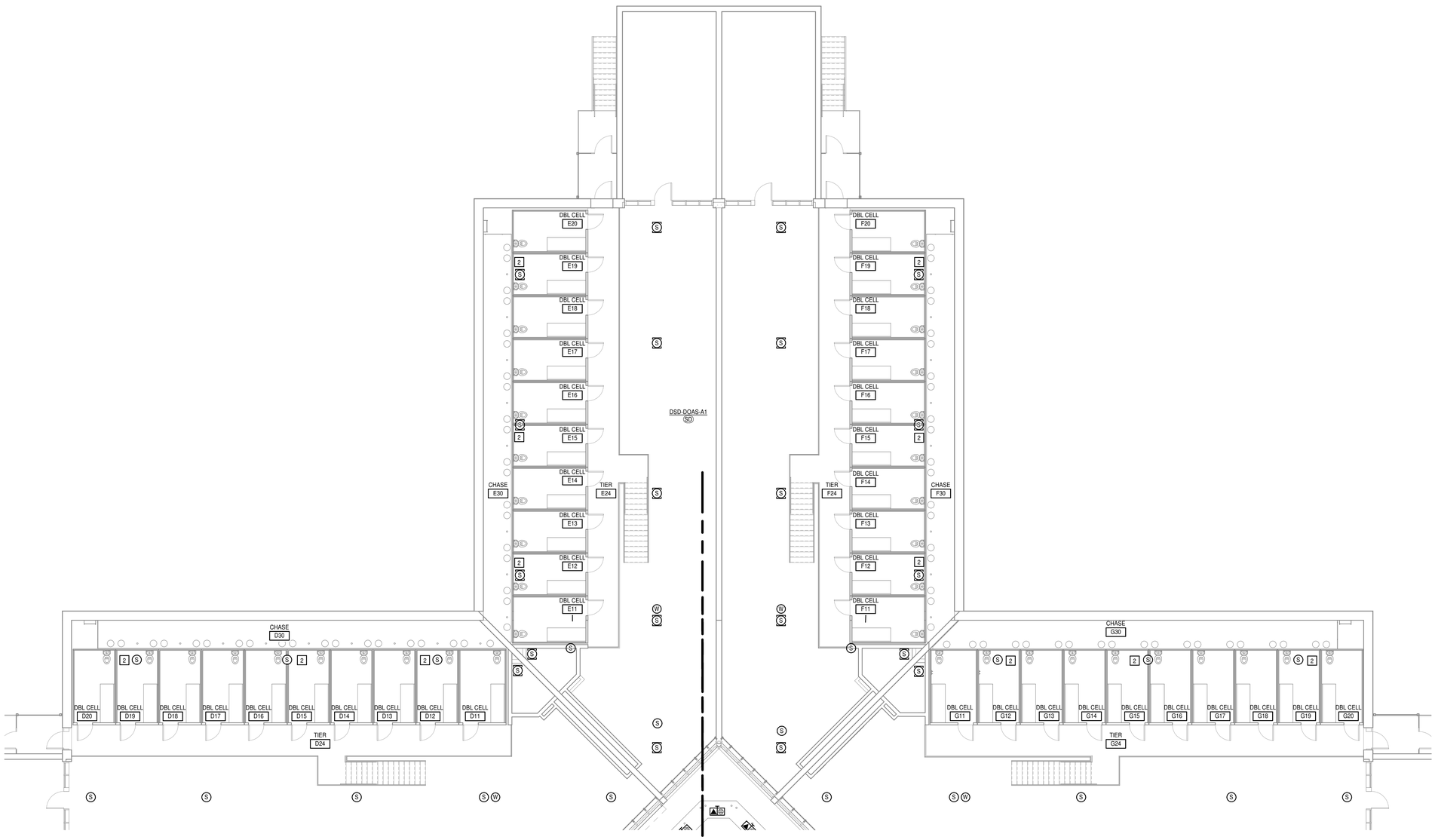
KEYNOTES

APPLIES TO THIS DRAWING ONLY
REPRESENTED BY [n]

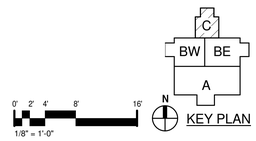
1. COORDINATE OUTLET LOCATION WITH COMPUTER STATIONS INDICATED ON THE ARCHITECTURAL PLANS.
2. COORDINATE LOCATION OF SMOKE DETECTOR ABOVE CELLS IN CHASE SPACES WITH OTHER TRADES AND RELOCATE AS REQUIRED SUCH THAT DETECTOR WILL BE ACCESSIBLE.
3. PROVIDE 4'X8'X3/4" FIRE RESISTANT PLYWOOD ON WALLS INDICATED COVERED WITH TWO COATS OF WHITE PAINT. DO NOT COVER FIRE RESISTANT STAMP. ADHERE TO WALL WITH SCREWS IN THE WALLS STRUCTURE.

GENERAL NOTES

A. REFER TO MECHANICAL POWER PLANS FOR ADDITIONAL FIRE ALARM CONNECTIONS.



TIER LEVEL PLAN - PART C - COMMUNICATIONS - ADD ALTERNATE
1/8" = 1'-0"



MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 024242 ENGINEER WILLIAM J. CARY, JR.

MOSELEY ARCHITECTS P.A. ARCHITECTURE ENGINEERING INTERIOR DESIGN PLANNING CORPORATE NO. C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 821373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

TIER FLOOR PLAN - PART C COMMUNICATIONS ADD ALTERNATE

E2.2.3.3

12/11/2023 9:45:20 AM

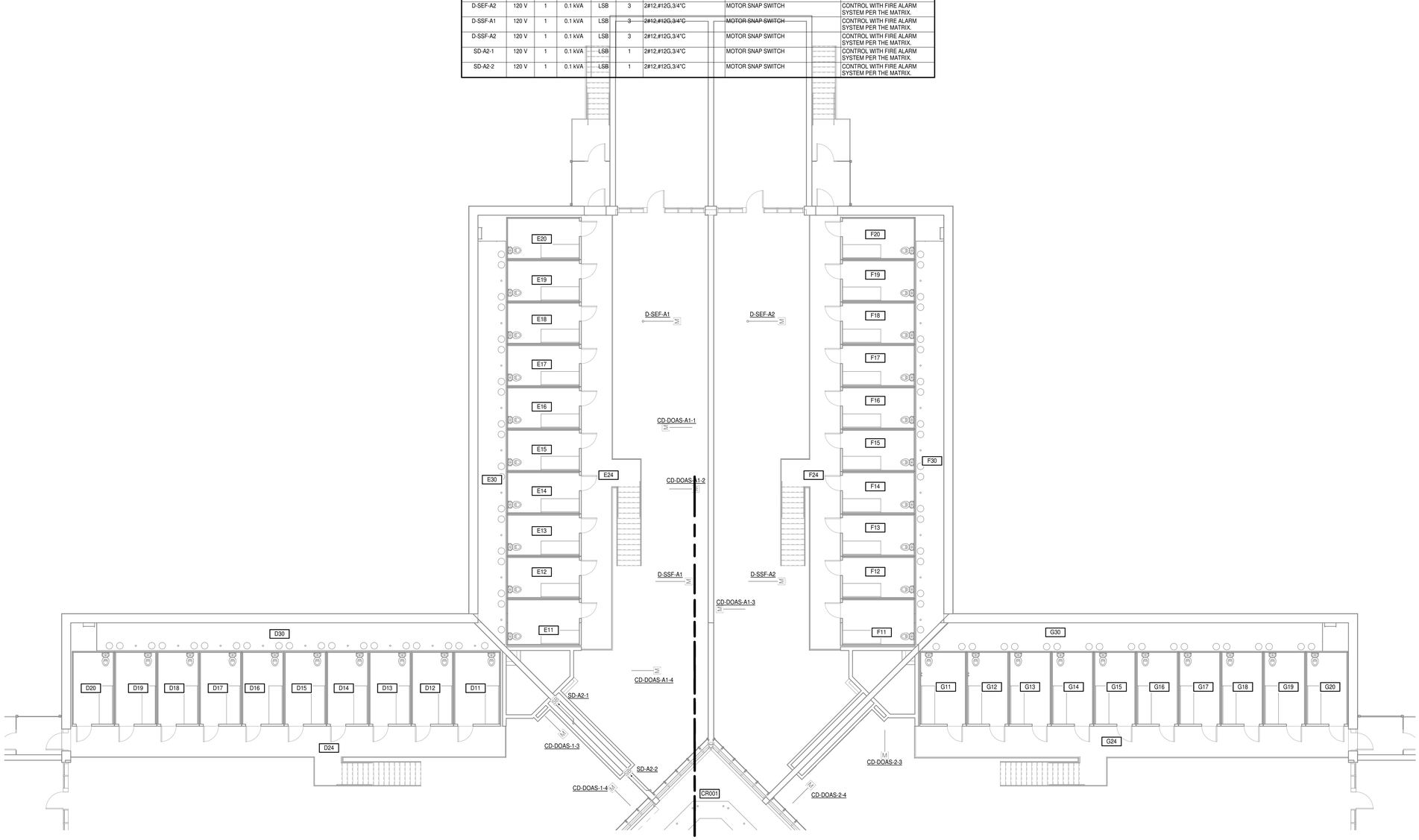
KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY [n]

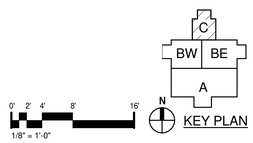
1. PROVIDE MUSHROOM HEAD SWITCH TO DE-ENERGIZE GAS EQUIPMENT IN THIS SPACE.

DIV 23 ELECTRICAL CONNECTION SCHEDULE TC

TAG	VOLTAGE	# POLES	LOAD	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS
CD-DOAS-1-3	120 V	1	0.1 kVA	LSB	1	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
CD-DOAS-1-4	120 V	1	0.1 kVA	LSB	1	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
CD-DOAS-2-3	120 V	1	0.1 kVA	LSB	5	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
CD-DOAS-2-4	120 V	1	0.1 kVA	LSB	5	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
CD-DOAS-A1-1	120 V	1	0.1 kVA	LSB	3	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
CD-DOAS-A1-2	120 V	1	0.1 kVA	LSB	3	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
CD-DOAS-A1-3	120 V	1	0.1 kVA	LSB	3	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
CD-DOAS-A1-4	120 V	1	0.1 kVA	LSB	3	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
D-SEF-A1	120 V	1	0.1 kVA	LSB	3	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
D-SEF-A2	120 V	1	0.1 kVA	LSB	3	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
D-SSF-A1	120 V	1	0.1 kVA	LSB	3	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
D-SSF-A2	120 V	1	0.1 kVA	LSB	3	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
SD-A2-1	120 V	1	0.1 kVA	LSB	1	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.
SD-A2-2	120 V	1	0.1 kVA	LSB	1	2#12,#12G,3/4"C	MOTOR SNAP SWITCH	CONTROL WITH FIRE ALARM SYSTEM PER THE MATRIX.



TIER LEVEL PLAN - PART C - MECHANICAL POWER - ADD ALTERNATE
1/8" = 1'-0"



MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 024242 ENGINEER WILLIAM J. CARY JR

MOSELEY ARCHITECTS P.A. NORTH CAROLINA REGISTERED CORPORATION C-3469 CHARLOTTE, N.C.

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 821373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

TIER FLOOR PLAN - PART C - MECHANICAL POWER ADD ALT

E2.2.3.4

12/11/2023 9:45:24 AM

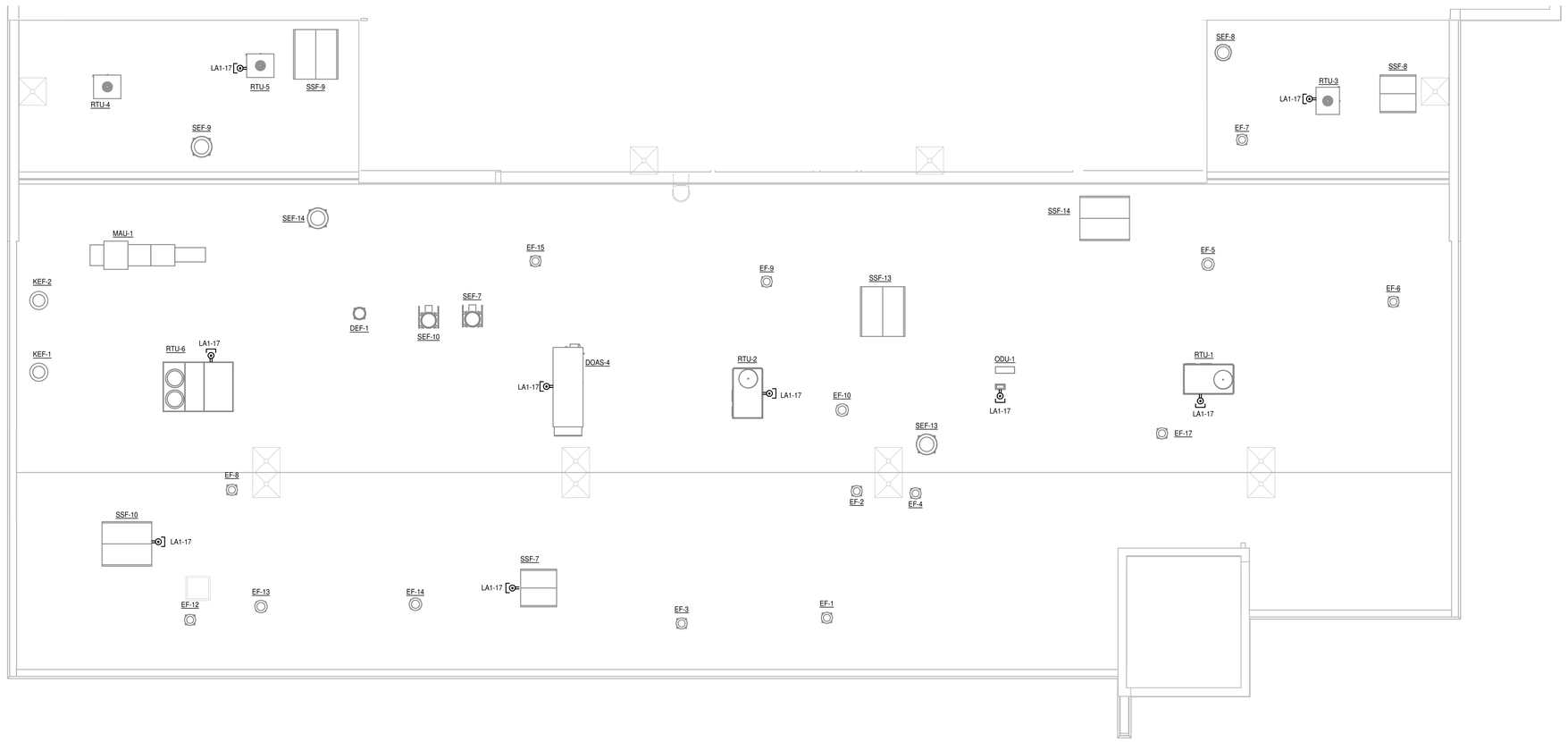
GENERAL NOTES

APPLIES TO THIS DRAWING ONLY

A. MOUNT RECEPTACLE ON ROOF CURB. DO NOT MOUNT ON UNIT.

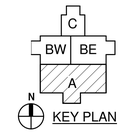
DIV 23 ELECTRICAL CONNECTION SCHEDULE ROOF A

TAG	VOLTAGE	# POLES	LOAD	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS
DEF-1	120 V		1.0 kVA	LA2	55	2#12,#12G,3/4"C	240V,30A,1P,NEMA 3R,DISC,FPND	
DOAS-4	460 V	3	9.3 kVA	HA	38,40,42	3#12,#12G,3/4"C	PROVIDE WITH UNIT	
EF-1	120 V	1	0.5 kVA	LA1	1	2#12,#12G,3/4"C	PROVIDE WITH UNIT	
EF-2	120 V	1	0.5 kVA	LA1	2	2#12,#12G,3/4"C	PROVIDE WITH UNIT	
EF-3	120 V	1	0.5 kVA	LA1	3	2#12,#12G,3/4"C	PROVIDE WITH UNIT	
EF-4	120 V	1	0.5 kVA	LA1	4	2#12,#12G,3/4"C	PROVIDE WITH UNIT	
EF-5	120 V	1	0.5 kVA	LA1	5	2#12,#12G,3/4"C	PROVIDE WITH UNIT	
EF-6	120 V	1	0.5 kVA	LA1	6	2#12,#12G,3/4"C	PROVIDE WITH UNIT	
EF-7	120 V	1	0.5 kVA	LA1	7	2#12,#12G,3/4"C	PROVIDE WITH UNIT	
EF-8	120 V	1	0.5 kVA	LA1	8	2#12,#12G,3/4"C	PROVIDE WITH UNIT	
EF-9	120 V	1	0.5 kVA	LA1	9	2#12,#12G,3/4"C	PROVIDE WITH UNIT	
EF-10	120 V	1	0.5 kVA	LA1	10	2#12,#12G,3/4"C	PROVIDE WITH UNIT	
EF-12	120 V	1	0.5 kVA	LA1	11	2#12,#12G,3/4"C	PROVIDE WITH UNIT	
EF-13	120 V	1	0.5 kVA	LA1	12	2#12,#12G,3/4"C	PROVIDE WITH UNIT	
EF-14	120 V	1	0.5 kVA	LA1	13	2#12,#12G,3/4"C	PROVIDE WITH UNIT	
EF-15	120 V	1	0.5 kVA	LA1	14	2#12,#12G,3/4"C	PROVIDE WITH UNIT	
EF-17	120 V	1	0.5 kVA	LA1	15	2#12,#12G,3/4"C	PROVIDE WITH UNIT	
KEF-1	208 V	3	3.0 kVA	LA1	22,24,26	3#12,#12G,3/4"C	PROVIDE WITH UNIT	
KEF-2	208 V	3	3.0 kVA	LA1	19,21,23	3#12,#12G,3/4"C	PROVIDE WITH UNIT	
MAU-1	208 V	3	4.3 kVA	LA1	28,30,32	3#12,#12G,3/4"C	PROVIDE WITH UNIT	
ODU-1	208 V	2	2.3 kVA	LA1	25,27	2#12,#12G,3/4"C	240V,30A,2P,NEMA 3R,DISC,FPND	
RTU-1	460 V	3	26.6 kVA	MSB	10	3#6,#10G,1"C	PROVIDE WITH UNIT	
RTU-2	460 V	3	21.9 kVA	MSB	11	3#6,#10G,1"C	PROVIDE WITH UNIT	
RTU-3	208 V	2	3.8 kVA	LA1	29,31	2#6,#10G,3/4"C	PROVIDE WITH UNIT	
RTU-4	208 V	2	5.1 kVA	LA1	34,36	2#6,#10G,1"C	PROVIDE WITH UNIT	
RTU-5	208 V	2	3.8 kVA	LA1	33,35	2#8,#10G,3/4"C	PROVIDE WITH UNIT	
RTU-6	460 V	3	32.6 kVA	MSB	12	3#4,#8G,1-1/4"C	PROVIDE WITH UNIT	
SEF-7	460 V	3	6.5 kVA	HSA	2,4,6	3#12,#12G,3/4"C	600V,30A,3P,NEMA 3R,MOTOR STARTER,FPND	
SEF-8	460 V	3	2.5 kVA	HSA	1,3,5	3#12,#12G,3/4"C	600V,30A,3P,NEMA 3R,MOTOR STARTER,FPND	
SEF-9	460 V	3	4.0 kVA	HSA	8,10,12	3#12,#12G,3/4"C	600V,30A,3P,NEMA 3R,MOTOR STARTER,FPND	
SEF-10	460 V	3	6.5 kVA	HSA	7,9,11	3#12,#12G,3/4"C	600V,30A,3P,NEMA 3R,MOTOR STARTER,FPND	
SEF-13	460 V	3	1.0 kVA	HSA	14,16,18	3#12,#12G,3/4"C	600V,30A,3P,NEMA 3R,MOTOR STARTER,FPND	
SEF-14	460 V	3	4.0 kVA	HSA	13,15,17	3#12,#12G,3/4"C	600V,30A,3P,NEMA 3R,MOTOR STARTER,FPND	
SSF-7	460 V	3	3.0 kVA	HSA	20,22,24	3#12,#12G,3/4"C	600V,30A,3P,NEMA 3R,MOTOR STARTER,FPND	
SSF-8	460 V	3	2.0 kVA	HSA	19,21,23	3#12,#12G,3/4"C	600V,30A,3P,NEMA 3R,MOTOR STARTER,FPND	
SSF-9	460 V	3	5.0 kVA	HSA	26,28,30	3#12,#12G,3/4"C	600V,30A,3P,NEMA 3R,MOTOR STARTER,FPND	
SSF-10	460 V	3	5.0 kVA	HSA	25,27,29	3#12,#12G,3/4"C	600V,30A,3P,NEMA 3R,MOTOR STARTER,FPND	
SSF-13	460 V	3	5.0 kVA	HSA	32,34,36	3#12,#12G,3/4"C	600V,30A,3P,NEMA 3R,MOTOR STARTER,FPND	
SSF-14	460 V	3	5.0 kVA	HSA	31,33,35	3#12,#12G,3/4"C	600V,30A,3P,NEMA 3R,MOTOR STARTER,FPND	



ELECTRICAL ROOF PLAN - PART A

1/8" = 1'-0"



KEY PLAN

MOSELEYARCHITECTS

6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 024242 ENGINEER WILLIAM J. CARY, JR.

MOSELEY ARCHITECTS P.A. NORTH CAROLINA CORPORATION C-3469 CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

ROOF PLAN - PART A - ELECTRICAL

E2.3.1

12/11/2023 9:45:26 AM

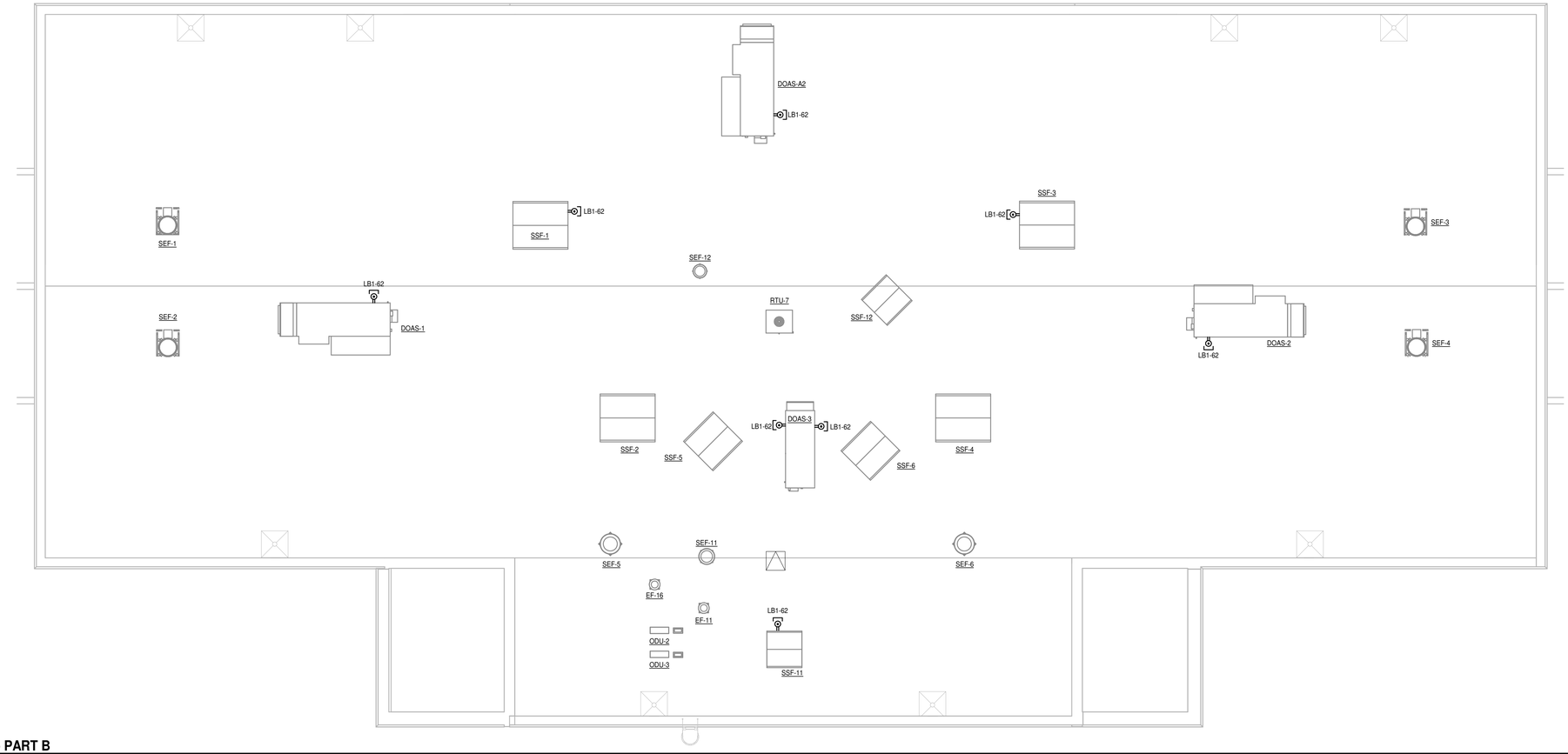
GENERAL NOTES

APPLIES TO THIS DRAWING ONLY

A. MOUNT RECEPTACLE ON ROOF CURB. DO NOT MOUNT ON UNIT.

DIV 23 ELECTRICAL CONNECTION SCHEDULE ROOF B

TAG	VOLTAGE	# POLES	LOAD	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS
DOAS-1	460 V	3	40.6 kVA	MSB	7	3#4,#8G,1-1/4"C	PROVIDE WITH UNIT	
DOAS-2	460 V	3	40.6 kVA	MSB	8	3#4,#8G,1-1/4"C	PROVIDE WITH UNIT	
DOAS-3	460 V	3	19.3 kVA	MSB	9	3#8,#10G,3/4"C	PROVIDE WITH UNIT	
DOAS-A1	460 V	3	40.6 kVA	HA	37,39,41	3#4,#8G,1-1/4"C	PROVIDE WITH UNIT	
DOAS-A2	460 V	3	40.6 kVA	MSB	13	3#4,#8G,1-1/4"C	PROVIDE WITH UNIT	
EF-11	120 V	1	0.5 kVA	LB1	55	2#12,#12G,3/4"C	PROVIDE WITH UNIT	
EF-16	120 V	1	0.5 kVA	LB1	56	2#12,#12G,3/4"C	PROVIDE WITH UNIT	
ODU-2	208 V	2	2.3 kVA	LB1	57,59	2#12,#12G,3/4"C	240V,30A,2P,NEMA 3R,DISC,FPND	
ODU-3	208 V	2	4.0 kVA	LB1	58,60	2#10,#10G,3/4"C	240V,30A,2P,NEMA 3R,DISC,FPND	
RTU-7	208 V	2	3.8 kVA	LB1	61,63	2#8,#10G,3/4"C	PROVIDE WITH UNIT	
SEF-1	460 V	3	17.5 kVA	HSB	13,15,17	3#10,#10G,3/4"C	600V,30A,3P,NEMA 3R,MOTOR STARTER,FPND	
SEF-2	460 V	3	17.5 kVA	HSB	14,16,18	3#10,#10G,3/4"C	600V,30A,3P,NEMA 3R,MOTOR STARTER,FPND	
SEF-3	460 V	3	17.5 kVA	HSB	19,21,23	3#10,#10G,3/4"C	600V,30A,3P,NEMA 3R,MOTOR STARTER,FPND	
SEF-4	460 V	3	17.5 kVA	HSB	20,22,24	3#10,#10G,3/4"C	600V,30A,3P,NEMA 3R,MOTOR STARTER,FPND	
SEF-5	460 V	3	4.0 kVA	HSB	25,27,29	3#12,#12G,3/4"C	600V,30A,3P,NEMA 3R,MOTOR STARTER,FPND	
SEF-6	460 V	3	4.0 kVA	HSB	26,28,30	3#12,#12G,3/4"C	600V,30A,3P,NEMA 3R,MOTOR STARTER,FPND	
SEF-11	460 V	3	2.5 kVA	HSB	31,33,35	3#12,#12G,3/4"C	600V,30A,3P,NEMA 3R,MOTOR STARTER,FPND	
SEF-12	460 V	3	1.0 kVA	HSB	32,34,36	3#12,#12G,3/4"C	600V,30A,3P,NEMA 3R,MOTOR STARTER,FPND	
SSF-1	460 V	3	9.0 kVA	HSB	37,39,41	3#12,#12G,3/4"C	600V,30A,3P,NEMA 3R,MOTOR STARTER,FPND	
SSF-2	460 V	3	9.0 kVA	HSB	38,40,42	3#12,#12G,3/4"C	600V,30A,3P,NEMA 3R,MOTOR STARTER,FPND	
SSF-3	460 V	3	9.0 kVA	HSB	43,45,47	3#12,#12G,3/4"C	600V,30A,3P,NEMA 3R,MOTOR STARTER,FPND	
SSF-4	460 V	3	9.0 kVA	HSB	44,46,48	3#12,#12G,3/4"C	600V,30A,3P,NEMA 3R,MOTOR STARTER,FPND	
SSF-5	460 V	3	3.0 kVA	HSB	49,51,53	3#12,#12G,3/4"C	600V,30A,3P,NEMA 3R,MOTOR STARTER,FPND	
SSF-6	460 V	3	3.0 kVA	HSB	50,52,54	3#12,#12G,3/4"C	600V,30A,3P,NEMA 3R,MOTOR STARTER,FPND	
SSF-11	460 V	3	3.0 kVA	HSB	55,57,59	3#12,#12G,3/4"C	600V,30A,3P,NEMA 3R,MOTOR STARTER,FPND	
SSF-12	460 V	3	1.0 kVA	HSB	56,58,60	3#12,#12G,3/4"C	600V,30A,3P,NEMA 3R,MOTOR STARTER,FPND	



ELECTRICAL ROOF PLAN - PART B

1/8" = 1'-0"

MOSELEY ARCHITECTS

6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

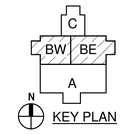
NORTH CAROLINA PROFESSIONAL SEAL 024242 ENGINEER WILLIAM J. CARY, JR.

MOSELEY ARCHITECTS PROFESSIONAL CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION



ROOF PLAN - PART B - ELECTRICAL

E2.3.2

12/11/2023 9:45:27 AM

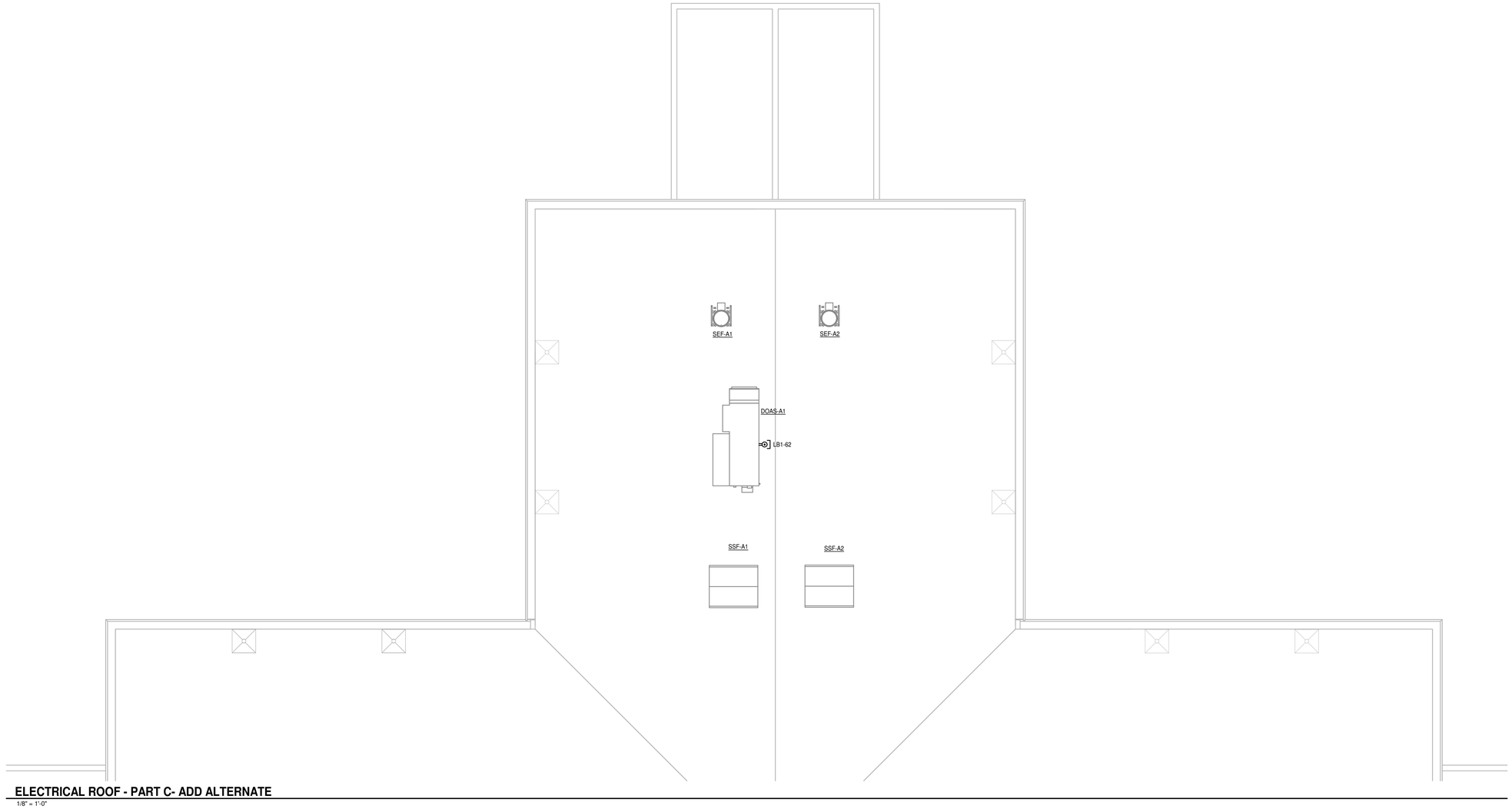
GENERAL NOTES

APPLIES TO THIS DRAWING ONLY

A. MOUNT RECEPTACLE ON ROOF CURB. DO NOT MOUNT ON UNIT.

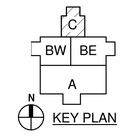
DIV 23 ELECTRICAL CONNECTION SCHEDULE ROOF C

TAG	VOLTAGE	# POLES	LOAD	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS
SEF-A1	460 V	3	17.5 kVA	HSB	1,3,5	3#12,#12G,3/4"C	600V,30A,3P,NEMA 3R,MOTOR STARTER,FPND	ALT1
SEF-A2	460 V	3	17.5 kVA	HSB	2,4,6	3#12,#12G,3/4"C	600V,30A,3P,NEMA 3R,MOTOR STARTER,FPND	ALT1
SSF-A1	460 V	3	9.0 kVA	HSB	7,9,11	3#12,#12G,3/4"C	600V,30A,3P,NEMA 3R,MOTOR STARTER,FPND	ALT1
SSF-A2	460 V	3	9.0 kVA	HSB	8,10,12	3#12,#12G,3/4"C	600V,30A,3P,NEMA 3R,MOTOR STARTER,FPND	ALT1



ELECTRICAL ROOF - PART C- ADD ALTERNATE

1/8" = 1'-0"



KEY PLAN

MOSELEY ARCHITECTS

6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 024242 ENGINEER WILLIAM J. CARY JR

MOSELEY ARCHITECTS P.A. NORTH CAROLINA FIRM CORPORATION C-3469 CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO:	DATE:
621373	DECEMBER 12, 2023

REVISIONS

DATE	DESCRIPTION

ROOF PLAN - PART C- ELECTRICAL- ADD ALTERNATE

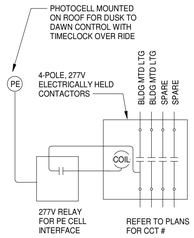
E2.3.3

12/11/2023 9:45:28 AM

FIRE ALARM / SMOKE CONTROL MATRIX

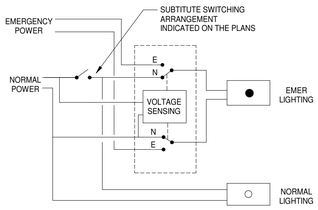
EVENT ZONE	SMOKE DETECTOR SYSTEM ID TAG(S)	DUCT SMOKE DETECTOR SYSTEM ID TAG(S)	FLOW SWITCH SYSTEM ID TAG(S)	DAMPER		EQUIPMENT	
				FAN DAMPERS OPEN	SMOKE DAMPERS CLOSE	ON	OFF
SMOKE ZONE 1	REFER TO PLANS	DSD-RTU-6,DSD-RTU-2	FS-1-1	D-SEF-14, D-SSF-14 ,D-SSF-10, D-SEF-10, D-SEF-7, D-SSF-7, D-SSF-13, D-SEF-13	FSD-1	SSF-7, SEF-7, SSF-10, SEF-10, SSF-13, SEF-13, SSF-14, SEF-14	RTU-2, DOAS-4, RTU-6, MAU-1
SMOKE ZONE 2	REFER TO PLANS	DSD-DOAS-1, DSD-DOAS-3	FS-2-1	D-SSF-9, D-SEF-9, D-SSF-8, D-SEF-8, D-SSF-1, D-SEF-1, D-SSF-2, D-SEF-2, D-SSF-5, D-SEF-5, D-SSF-11, D-SEF-11, D-SSF-12, D-SEF-12, D-SSF-6, D-SEF-6	SD-A2-1, SD-A2-1	SSF-1, SEF-1, SSF-2, SEF-2, SSF-5, SEF-5, SSF-8, SEF-8, SSF-9, SEF-9, SSF-11, SEF-11, SSF-12, SEF-12	RTU-3, RTU-4, RTU-5, DOAS-3, RTU-7
SMOKE ZONE 3	REFER TO PLANS	DSD-DOAS-2, DSD-DOAS-A1, DSD-DOAS-A2	FS-3-1	D-SSF-3, D-SEF-3, D-SSF-4, D-SEF-4, D-SSF-A1, D-SEF-A1, D-SSF-A2, D-SEF-A2	SD-A2-1, SD-A2-1	SSF-3, SEF-3, SSF-4, SEF-4, SSF-A1, SEF-A1, SSF-A2, SEF-A2	DOAS-2, DOAS-A1, DOAS-A2

REFER TO DRAWING E5.3 FOR FIRE ALARM I/O MATRIX.



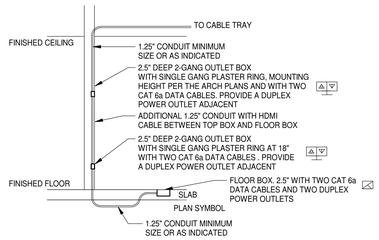
EXTERIOR LIGHTING CONTACTOR DETAIL

NO SCALE



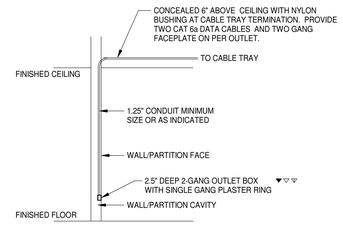
GENERATOR TRANSFER DEVICE DETAIL

NO SCALE



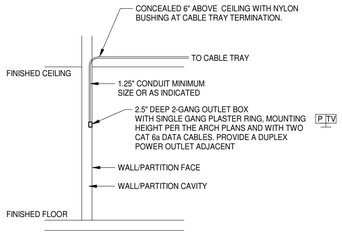
MONITOR CONDUIT DETAIL

NO SCALE



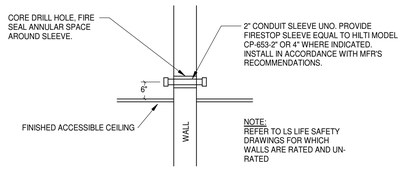
TELECOMMUNICATIONS OUTLET CONDUIT DETAIL

NO SCALE



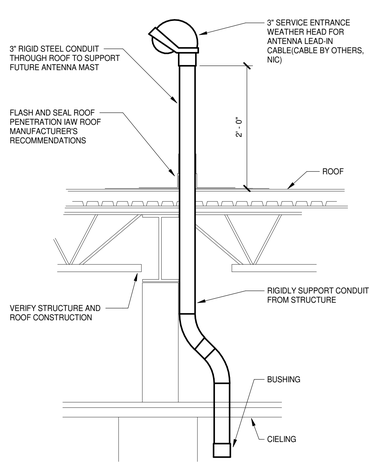
TELEVISION OUTLET CONDUIT DETAIL

NO SCALE



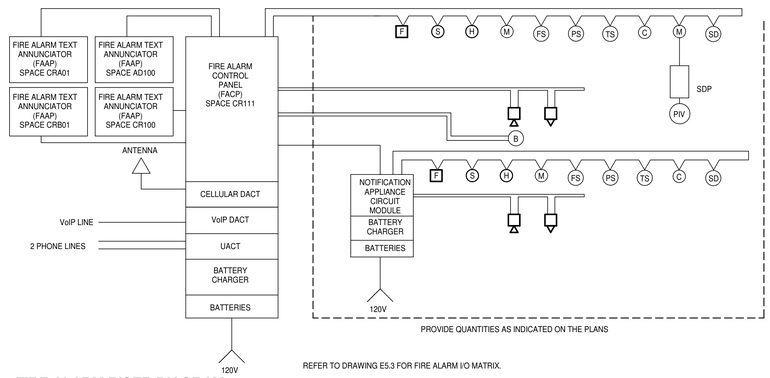
RATED WALL CONDUIT SLEEVE DETAIL

NO SCALE



WEATHERHEAD ROOF PENETRATION DETAIL

NO SCALE

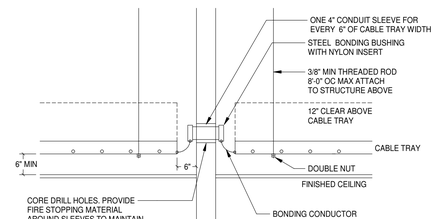


PROVIDE QUANTITIES AS INDICATED ON THE PLANS

REFER TO DRAWING E5.3 FOR FIRE ALARM I/O MATRIX.

FIRE ALARM RISER DIAGRAM

NO SCALE

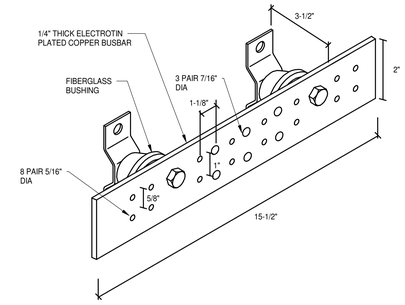


AFTER ALL CABLES ARE PULLED AND TERMINATED:
RATED WALLS, SEAL INSIDE CONDUIT SLEEVES WITH FIRE/SMOKE STOPPING MATERIAL, NON-RATED WALLS, SEAL INSIDE SLEEVES WITH ACOUSTIC BATT INSULATION.

OCCURS AT ALL CABLE TRAY WALL PENETRATIONS

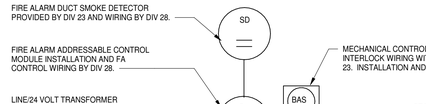
CABLE TRAY WALL PENETRATION DETAIL

NO SCALE



TELECOMMUNICATIONS GROUNDING BUSBAR (TGB)

NO SCALE



SYSTEMS WITH MULTIPLE MOTORS REQUIRE ONE SHUTDOWN RELAY FOR EACH STARTER OR VFD. THERE MAY BE MORE THAN ONE DUCT SMOKE DETECTOR PER SYSTEM, BUT ONLY ONE CONTROL MODULE IS REQUIRED PER MOTOR. SHUTDOWN IS VIA CONTROL MODULE, NOT VIA DUCT DETECTOR AUX CONTACTS. COORDINATE W/ DIV 23.

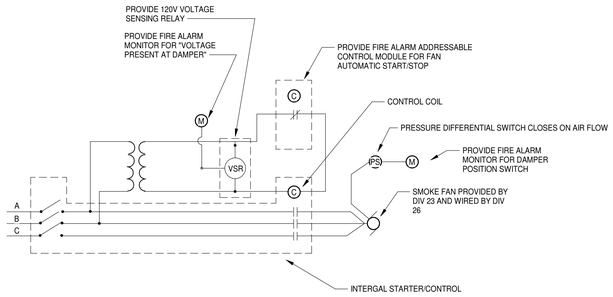
UNDER NORMAL CONDITIONS, FA SYSTEM POWERS THE NORMALLY OPEN FA CONTROL MODULE CONTACT TO THE CLOSED POSITION TO ALLOW NORMAL UNIT CONTROL BY BAS.

UPON ALARM SIGNAL FROM THE FIRE ALARM SYSTEM, THE CONTACTS IN THE FA SYSTEM RELEASES CONTROL MODULE TO OPEN POSITION, CAUSING SHUTDOWN OF ASSOCIATED HVAC EQUIPMENT. HVAC EQUIPMENT SHALL NOT BE OPERABLE UNTIL FA CONTROL MODULE IS RESET TO NORMAL CLOSED POSITION.

DIVISION 23 SHALL PROVIDE WIRING BETWEEN BETWEEN FA AND BAS CONTROL MODULES AND HVAC EQUIPMENT CONTROLLER (STARTER, VFD, OR INTEGRAL CONTROL PANEL).

FIRE ALARM HVAC UNIT SHUTDOWN WIRING DIAGRAM

NO SCALE



NOTES:
THIS DIAGRAM DOES NOT INDICATE ALL ELEMENT OF THE FAN CONTROLLER, CORRINATE ACTUAL INSTALLATION WIRING WITH EQUIPMENT PROVIDER

UNDER NORMAL OPERATION, FA SYSTEM HOLDS CONTROL MODULE CONTACT CLOSED TO KEEP FAN OFF.

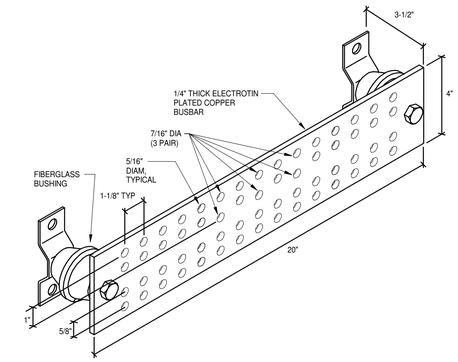
UNDER NORMAL FAN IS OFF AND OPEN PDS MONITOR SHALL INDICATE "NORMAL". A CLOSED PDS MONITOR SHALL INDICATE "FAULT" CONDITION ON THE SMIKE CONTROL PANEL AS WELL AS "TROUBLE" ON THE FIRE ALARM PANEL

AT ANY TIME, IF FAN POWER IS LOST AS DETERMINED BY FA MONITOR OF VOLTAGE SENSING RELAY, THE SMOKE CONTROL SYSTEM SHALL INDICATE "FAULT" CONDITION FOR THE ASSOCIATED ACU LED AT THE SMOKE CONTROL PANEL, AS WELL AS "TROUBLE" AT THE FIRE ALARM CONTROL PANEL.

UPON SMOKE CONTROL SYSTEM ACTIVATION SIGNAL FROM THE FIRE ALARM SYSTEM, THE CONTACTS IN THE FA CONTROL MODULE SHALL CLOSE AND START THE FAN.

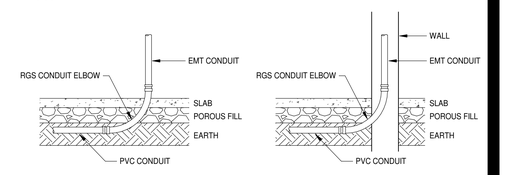
SMOKE CONTROL DAMPER WIRING DIAGRAM

NO SCALE



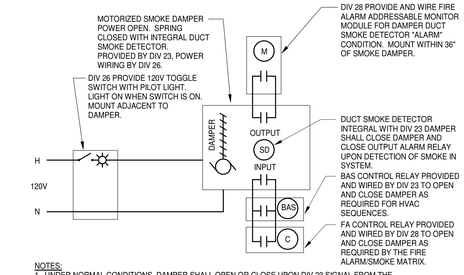
TELECOMMUNICATIONS MAIN GROUNDING BUSBAR (TMGB)

NO SCALE



PVC TO EMT TRANSITION DETAIL

NO SCALE



NOTES:
1. UNDER NORMAL CONDITIONS, DAMPER SHALL OPEN OR CLOSE UPON DIV 23 SIGNAL FROM THE BAS MECHANICAL CONTROL RELAY.

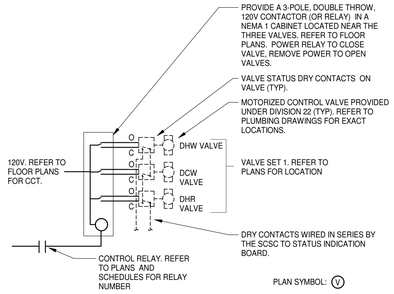
2. DUCT SMOKE DETECTOR INTEGRAL WITH DAMPER SHALL CLOSE DAMPER AND CLOSE OUTPUT ALARM RELAY UPON DETECTION OF SMOKE IN SYSTEM.

3. DIV 28 FIRE ALARM MONITOR MODULE SHALL CAUSE FIRE ALARM SYSTEM "TROUBLE" IF DAMPER DUCT SMOKE DETECTOR GOES TO "ALARM" STATUS.

4. VERIFY DAMPER LOCATIONS AND QUANTITY WITH DIV 23.

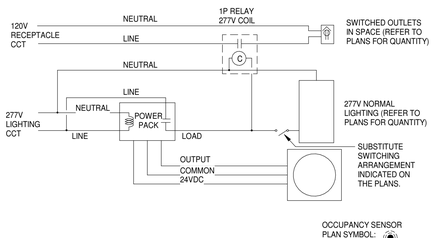
FIRE/SMOKE DAMPER & SMOKE DAMPER WIRING DIAGRAM

NO SCALE



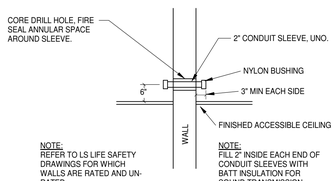
ISOLATION VALVE CONTROL DETAIL

NO SCALE



OCCUPANCY SENSOR DIAGRAM DETAIL

NO SCALE



UN-RATED WALL CONDUIT SLEEVE DETAIL

NO SCALE

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 024242 ENGINEER JR WILLIAM J. CARY

MOSELEY ARCHITECTS P.A. CHARLOTTE, NORTH CAROLINA C-3469

DUPLIN COUNTY DETENTION CENTER

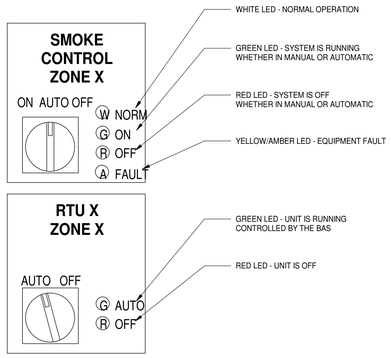
DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

ELECTRICAL DETAILS

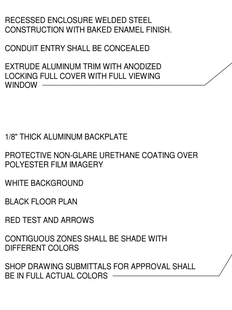
E4.1

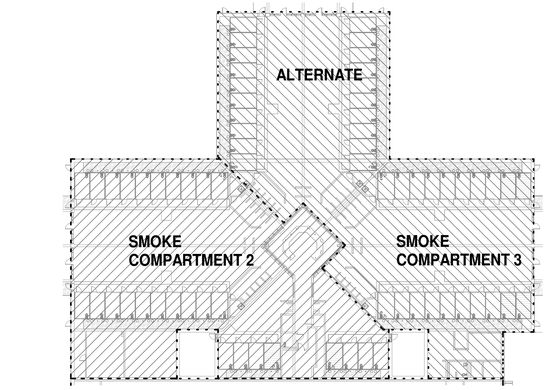
12/11/2023 9:45:30 AM



TYPICAL CONTROL SWITCHES
NO SCALE

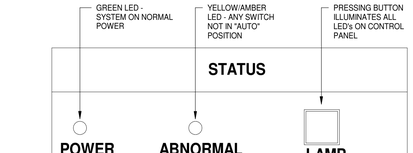
FIREFIGHTERS SMOKE CONTROL PANEL





TIER LEVEL.

FIRST FLOOR.

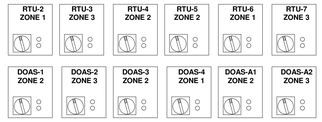




OPERATOR INSTRUCTIONS

NORMAL OPERATION:
KEEP ALL SWITCHES ON "AUTO" POSITION.

SMOKE SYSTEM TEST or MANUAL CONTROL:
TURN ANY SMOKE ZONE CONTROL TO "ON" POSITION. THIS OPENS SMOKE FAN DAMPERS, ACTIVATES SMOKE FANS AND SHUTS DOWN ASSOCIATED HVAC UNITS FOR THE ZONE. TURN CONTROL BACK TO "AUTO" TO RESET.



ALTERNATE

OPERATOR INSTRUCTIONS

NORMAL OPERATION:
KEEP ALL SWITCHES ON "AUTO" POSITION.

ROOFTOP AUTO/ MANUAL CONTROL:
TURN ANY ZONE CONTROL TO "OFF" POSITION DE-ACTIVATES ASSOCIATED HVAC UNITS FOR THE ZONE. TURN CONTROL BACK TO "AUTO" TO RESET.

2'-0"

FIRE FIGHTERS SMOKE CONTROL PANEL (FFSCP)
NO SCALE

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 024242 ENGINEER WILLIAM J. CARY JR

MOSELEY ARCHITECTS P.A. NORTH CAROLINA CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER
DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

ELECTRICAL DETAILS

E4.2

12/11/2023 9:45:48 AM

KEYNOTES

APPLIES TO ONELINE ONLY
REPRESENTED BY (n)

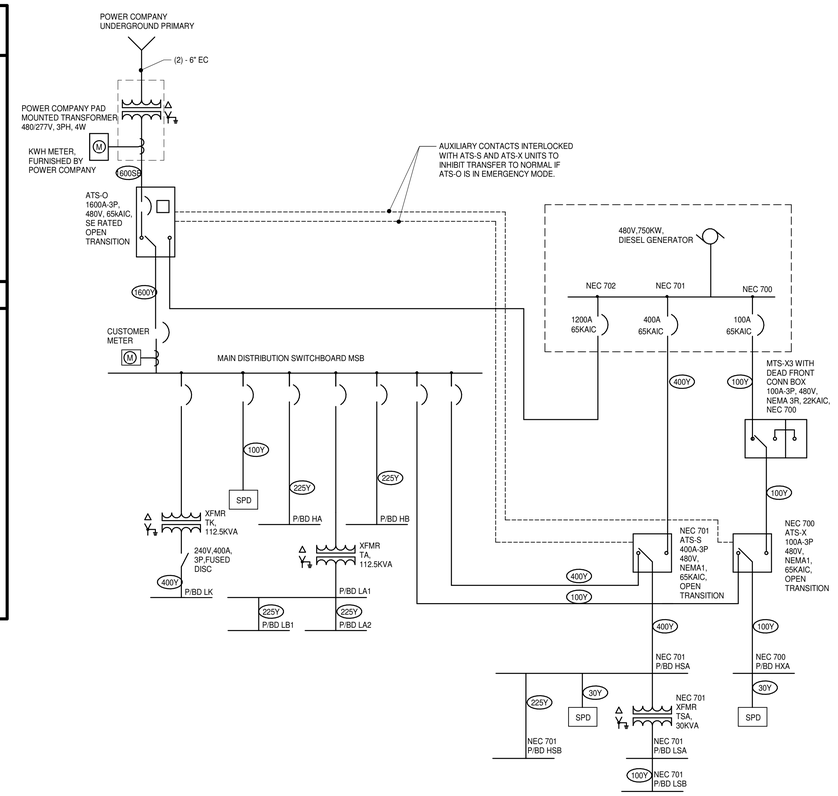
1. REFER TO THE DUCTBANK DETAILS ON DRAWING E2.2.2 AND SUBSTITUTE CONDUIT SIZE INDICATED THEREIN.
2. PROVIDE A RED PLAQUE WITH WHITE LETTERING ON THE FRONT OF THIS EQUIPMENT STATING; "THIS PANEL IS CAPABLE OF BEING ENERGIZED FROM MULTIPLE SOURCES. "
3. PROVIDE DISCONNECTING MEANS LABEL PER NEC.
4. REFER TO TRANSFORMER SCHEDULE FOR CONDUCTOR SIZING.
5. COORDINATE GENERATOR CONNECTION TYPE WITH THE OWNER
6. REFER TO PANELBOARD SPEC FOR REQUIREMENTS FOR PANEL SIZING AND COORDINATION

GENERAL NOTES

A. PROVIDE A SHORT CIRCUIT AND COORDINATION STUDY PER THE CONTRACT DOCUMENTS. NEC 700 SYSTEM (ALL OVERCURRENT PROTECTIVE DEVICES UP AND DOWNSTREAM OF ATS-X) SHALL BE SELECTIVELY COORDINATED TO A MAXIMUM 0.01 SECONDS. SYSTEM IS INDICATED HERE WITH CIRCUIT BREAKERS. PROVIDE FIXED, ADJUSTABLE AND ELECTRONIC ADJUSTABLE BREAKER AS REQUIRED. FUSES MAY BE USED IF DESIRED OR REQUIRED TO ACHIEVE REQUIRED SELECTIVITY. THE COORDINATION STUDY SHALL DEMONSTRATE REQUIRED SELECTIVITY FOR THE ENTIRE NEC 700 SYSTEM WITHOUT ADJUSTMENT TO THE CONTRACT AMOUNT. EQUIPMENT SHALL NOT BE RELEASED FOR FABRICATION UNTIL THE SHORT CIRCUIT AND COORDINATION REPORT IS APPROVED BY THE ARCHITECT. THE CONTRACTOR IS ADVISED NOT TO ORDER ELECTRICAL EQUIPMENT PRIOR TO SUBMISSION AND APPROVAL OF THE COORDINATION STUDY. THE CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR MODIFICATION OF ELECTRICAL EQUIPMENT ORDERED PRIOR THE APPROVED COORDINATION STUDY.

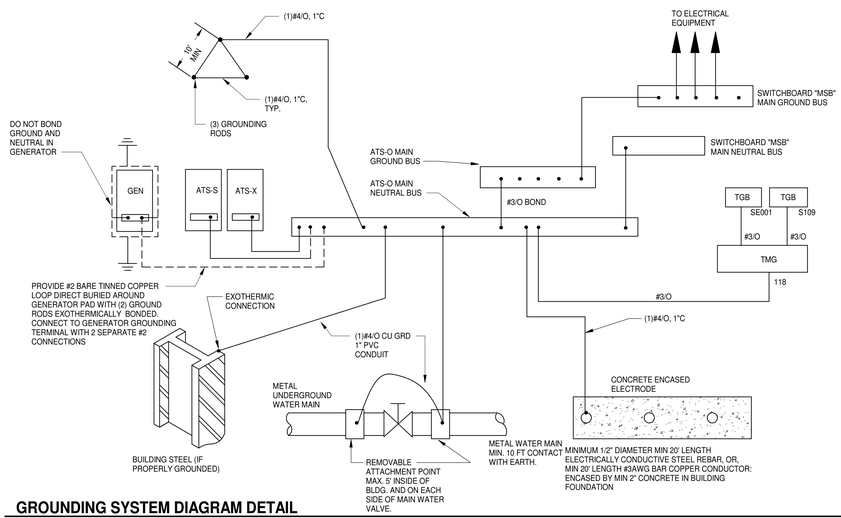
B. REFER TO TRANSFORMER SCHEDULE FOR BONDING CONDUCTORS SIZES FOR EACH TRANSFORMER.

C. REFER TO PANEL SCHEDULES FOR PANEL CHARACTERISTICS INCLUDING MAIN BREAKER REQUIREMENTS. GROUND PER SERVICE GROUND DETAIL ON THIS DRAWING.



POWER ONELINE DIAGRAM

NO SCALE



GROUNDING SYSTEM DIAGRAM DETAIL

NO SCALE

SWITCHBOARD SCHEDULE MSB

HORIZONTAL... 1600 A	**NEMA ENCL:**	**NEMA...** FRONT ACCESS	
GROUND BUS: 1600 A	**MAIN SWITCH:** 1600 A	**VOLTAGE:** 480/277 Wye	3 PH 4 WIRE
VERTICAL... 1600 A	**CT SECTION:** YES	**BRACING:** 65K AMPS...	
NEUTRAL BUS: 1600 A			

DEVICE NO.	DESCRIPTION	A	B	C	NUMBER OF POLES	RATING	NOTES
1	HA	36.6 kVA	35.2 kVA	42.4 kVA	3	225 A	
2	HB	39.7 kVA	39.6 kVA	36.0 kVA	3	225 A	
3	LA1 VIA TA	40.1 kVA	44.0 kVA	42.0 kVA	3	175 A	
4	ATS-X	6.5 kVA	0.8 kVA	4.9 kVA	3	100 A	
5	LK VIA TK	46.6 kVA	42.0 kVA	45.6 kVA	3	175 A	
6	ATS-S	56.1 kVA	55.0 kVA	55.3 kVA	3	400 A	
7	DOAS-1 (ML)	13.5 kVA	13.5 kVA	13.5 kVA	3	70 A	
8	DOAS-2 (ML)	13.5 kVA	13.5 kVA	13.5 kVA	3	70 A	
9	DOAS-3 (ML)	6.4 kVA	6.4 kVA	6.4 kVA	3	40 A	
10	RTU-1 (ML)	8.9 kVA	8.9 kVA	8.9 kVA	3	50 A	
11	RTU-2 (ML)	7.3 kVA	7.3 kVA	7.3 kVA	3	45 A	
12	RTU-6 (ML)	10.9 kVA	10.9 kVA	10.9 kVA	3	60 A	
13	DOAS-A2 (ML)	13.5 kVA	13.5 kVA	13.5 kVA	3	70 A	
14	SPD	0.0 kVA	0.0 kVA	0.0 kVA	3	100 A	BREAKER SIZE (IF REQUIRED) PER MANUFACTURER
15	SPARE	0.0 kVA	0.0 kVA	0.0 kVA	3	100 A	
16	SPARE	0.0 kVA	0.0 kVA	0.0 kVA	3	225 A	
17	SPARE	0.0 kVA	0.0 kVA	0.0 kVA	3	400 A	
18	SPACE ONLY	--			1	--	
19	SPACE ONLY	--			1	--	
20	SPACE ONLY	--			1	--	
	TOTAL	287.0 kVA	278.0 kVA	287.9 kVA			

LOAD TYPE	CONNECTED KVA	DEMAND KVA
INTERIOR LIGHTING	38.8 kVA	48.4 kVA
EXTERIOR LIGHTING	2.5 kVA	3.1 kVA
RECEPTACLES	55.7 kVA	32.8 kVA
AC / HEAT PUMP	487.2 kVA	487.2 kVA
ELECTRIC HEAT	9.0 kVA	9.0 kVA
KITCHEN	219.1 kVA	142.4 kVA
MISCELLANEOUS	28.4 kVA	28.4 kVA
LARGEST MOTOR	0.0 kVA	0.0 kVA

TOTAL CONNECTED KVA: 853 kVA
TOTAL DEMAND KVA: 765 kVA
TOTAL CONNECTED... 1026 A
TOTAL DEMAND AMPS: 921 A

NOTES:

A. SWITCHBOARD SHALL BE UL SERVICE ENTRANCE RATED
B. PROVIDE SPD WITH OVERCURRENT DEVICE, DISCONECTING MEANS & CONDUCTORS, SIZE PER SPD MFR REQUIREMENTS MOUNTED ON TOP OF EQUIPMENT.
C. PROVIDE DISCONNECTING MEANS LABEL PER 2008 NEC 230.70(B)
D. PROVIDE GROUND FAULT PROTECTIVE RELAY, DOCUMENT TEST. PROVIDE PHASE LOSS AND UNDERVOLTAGE DRY CONTACT FOR BAS PICKUP.
E. PROVIDE FACTORY INSTALLED DIGITAL MULTIMETER, PLUS MONITORING CABLE IN CONDUIT TO BAS PICKUP MODULE, COORDINATE WITH DIV 23.
F. FOR NON-SIMULTANEOUS LOADS, ONLY LARGER OF LOADS IS INCLUDED IN TOTAL.

COPPER FEEDER SCHEDULE

FEEDER ID	# OF SETS	BUILDING WIRE QUANTITY & SIZE TYPE THHN - DRY TYPE THWN - WET	MINIMUM CONDUIT SIZE
30	1	3#10,#10 G	3/4"
35	1	3#8,#10 G	3/4"
40	1	3#8,#10 G	3/4"
45	1	3#6,#10 G	1"
50	1	3#6,#10 G	1"
60	1	3#4,#10 G	1"
70	1	3#4,#8 G	1 1/4"
80	1	3#3,#8 G	1 1/4"
90	1	3#2,#8 G	1 1/4"
100	1	3#1,#8 G	1 1/4"
110	1	3#2,#6 G	1 1/2"
125	1	3#1,#6 G	1 1/2"
150	1	3#1/0,#6 G	2"
175	1	3#2/0,#6 G	2"
200	1	3#3/0,#6 G	2"
225	1	3#4/0,#4 G	2 1/2"
250	1	3-250kCM,#4 G	2 1/2"
300	1	3-350kCM,#4 G	2 1/2"
350	2	3#2/0,#3 G	2"
400	2	3#3/0,#3 G	2"
450	2	3#4/0,#2 G	2 1/2"
500	2	3-250kCM,#2 G	2 1/2"
600	2	3-350kCM,#1 G	3"
700	2	3-500kCM,#1/0 G	4"
800	3	3-350kCM,#1/0 G	3"
1000	3	3-500kCM,#2/0 G	4"
1200	4	3-350kCM,#3/0 G	3"
1600	5	3-500kCM,#4/0 G	4"

FEEDER ID	# OF SETS	BUILDING WIRE QUANTITY & SIZE TYPE THHN - DRY TYPE THWN - WET	MINIMUM CONDUIT SIZE
30Y	1	4#10,#10 G	3/4"
35Y	1	4#8,#10 G	3/4"
40Y	1	4#8,#10 G	3/4"
45Y	1	4#6,#10 G	1"
50Y	1	4#6,#10 G	1"
60Y	1	4#4,#10 G	1"
70Y	1	4#4,#8 G	1 1/4"
80Y	1	4#3,#8 G	1 1/4"
90Y	1	4#2,#8 G	1 1/4"
100Y	1	4#1,#8 G	1 1/4"
110Y	1	4#2,#6 G	1 1/2"
125Y	1	4#1,#6 G	1 1/2"
150Y	1	4#1/0,#6 G	2"
175Y	1	4#2/0,#6 G	2"
200Y	1	4#3/0,#6 G	2"
225Y	1	4#4/0,#4 G	2 1/2"
250Y	1	4-250kCM,#4 G	2 1/2"
300Y	1	4-350kCM,#4 G	2 1/2"
350Y	2	4#2/0,#3 G	2"
400Y	2	4#3/0,#3 G	2"
450Y	2	4#4/0,#2 G	2 1/2"
500Y	2	4-250kCM,#2 G	2 1/2"
600Y	2	4-350kCM,#1 G	3"
700Y	2	4-500kCM,#1/0 G	4"
800Y	3	4-350kCM,#1/0 G	3"
1000Y	3	4-500kCM,#2/0 G	4"
1200Y	4	4-350kCM,#3/0 G	3"
1600Y	5	4-500kCM,#4/0 G	4"
600SD	5	4-500kCM	4"

NOTES:
1. ELECTRICAL CONTRACTOR TO VERIFY CONDUIT SIZE REQUIRED IF WIRE TYPES OTHER THAN THOSE LISTED ABOVE ARE USED.
2. FEEDER SIZES BASED ON TABLE 310.15(B)(16), 75° C.
3. SIZES ADJUSTED PER NEC 110.14.

TRANSFORMER SCHEDULE

kVA	TYPE	PRIMARY	SECONDARY	COPPER PRIMARY FEEDER	COPPER SECONDARY FEEDER	BONDING CONDUCTOR
15 kVA	LINEAR	480V-3Ø	208Y/120V	3#10, #10 G, 3/4" C.	4#4, #8 G, 1-1/4" C.	#8
30 kVA	LINEAR	480V-3Ø	208Y/120V	3#6, #10 G, 1" C.	4#1, #6 G, 1-1/2" C.	#6
45 kVA	LINEAR	480V-3Ø	208Y/120V	3#4, #8 G, 1-1/4" C.	4#1/0, #6 G, 2" C.	#6
75 kVA	LINEAR	480V-3Ø	208Y/120V	3#1, #6 G, 1-1/2" C.	4-250kCM, #2 G, 2-1/2" C.	#2
112.5 kVA	LINEAR	480V-3Ø	208Y/120V	3#2/0, #6 G, 2" C.	(2 SETS) 4-3/0, #2 G, 2-1/2" C.	#2
150 kVA	LINEAR	480V-3Ø	208Y/120V	3#4/0, #4 G, 2-1/2" C.	(2 SETS) 4-250KCM, #2/0 G, 2-1/2" C.	#2/0
225 kVA	LINEAR	480V-3Ø	208Y/120V	(2 SETS) 3#2/0, #3 G, 2" C.	(3 SETS) 4-350kCM, #2/0 G, 3" C.	#2/0
300 kVA	LINEAR	480V-3Ø	208Y/120V	(2 SETS) 3#4/0, #2 G, 2-1/2" C.	(4 SETS) 4-350KCM, #4/0 G, 4" C.	#3/0
500 kVA	LINEAR	480V-3Ø	208Y/120V	(3 SETS) 3-350kCM, #1/0 G, 4" C.	(6 SETS) 4-350KCM, 300kCM G, 4" C.	#3/0

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 024242 WILLIAM J. CRARY, JR. 11/30/2023

MOSELEY ARCHITECTS PROFESSIONAL CORPORATION C-3469 NORTH CAROLINA CHARLOTTE NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

POWER ONE-LINE DIAGRAM

E5.1

12/11/2023 9:45:49 AM

PANELBOARD SCHEDULE HA

LOCATION: ELECTRICAL S102 | FED FROM: MSB

225 AMP MLO | 480/277 Wye | 3 PH 4 W | MOUNT: SURFACE | PANEL ASSEMBLY RATED (KAIC): 44 KAIC

CKT	BRKR	POLE	LOAD	A		B		C		LOAD	POLE	BRKR	CKT
1	20 A	1	INTERIOR LIGHTING	0.6	0.6					INTERIOR LIGHTING	1	20 A	2
3	20 A	1	INTERIOR LIGHTING			0.9	1.7			INTERIOR LIGHTING	1	20 A	4
5	40 A	1	UH-1 (ML)					7.5	3.3	UH-2 (ML)	1	25 A	6
7	20 A	1	UH-3 (ML)	3.3	7.5					UH-4 (ML)	1	40 A	8
9	15 A	1	VAV-1 (ML)			2.0	3.0			VAV-3 (ML)	1	15 A	10
11	15 A	1	VAV-2 (ML)					3.0	2.0	VAV-5 (ML)	1	15 A	12
13	15 A	1	VAV-4 (ML)	3.0	4.0					VAV-7 (ML)	1	20 A	14
15	15 A	1	VAV-6 (ML)			2.0	7.5			UH-5 (ML)	1	40 A	16
17	30 A	1	VAV-8 (ML)					6.0	--	SPACE ONLY	1	--	18
19	20 A	1	WH-1 (ML)	2.0	--					SPACE ONLY	1	--	20
21	20 A	1	WH-2 (ML)			2.0	--			SPACE ONLY	1	--	22
23	20 A	1	WH-3 (ML)					5.0	--	SPACE ONLY	1	--	24
25	20 A	1	SPARE	0.0	--					SPACE ONLY	1	--	26
27	20 A	1	SPARE			0.0	--			SPACE ONLY	1	--	28
29	20 A	1	SPARE					0.0	--	SPACE ONLY	1	--	30
31	20 A	1	SPARE	0.0	0.7								32
33	20 A	1	SPARE			0.0	0.7			VAV-9 (ML)	3	15 A	34
35	20 A	1	SPARE					0.0	0.7				36
37				13.5	3.1								38
39	20 A	3	DOAS-A1			13.5	3.1			DOAS-4 (ML)	3	20 A	40
41								13.5	3.1				42
				37 kVA		35 kVA		42 kVA					
				133 A		127 A		154 A					

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 DED. NEUTRAL. (ALT) - MARK AS SPARE IF ALTERNATE NOT TAKEN
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8. DED. NEUTRAL.
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR, REF DETAIL ON DWG E4.X.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification	Connected Load	Demand Factor	Estimated Demand
INTERIOR LIGHTING	3.8 kVA	125.00%	4.7 kVA
EXTERIOR LIGHTING	0.0 kVA	0.00%	0.0 kVA
RECEPTACLES	0.0 kVA	0.00%	0.0 kVA
AC / HEAT PUMP	82.2 kVA	100.00%	82.2 kVA
ELECTRIC HEAT	9.0 kVA	100.00%	9.0 kVA
KITCHEN	0.0 kVA	0.00%	0.0 kVA
MISCELLANEOUS	0.0 kVA	0.00%	0.0 kVA

Panel Totals

Total Conn. Load: 114.2 kVA
Total Est. Demand: 115.1 kVA
Total Conn. Current: 137 A
Total Est. Demand... 138 A

PANELBOARD SCHEDULE HB

LOCATION: ELEC S110 | FED FROM: MSB

225 AMP MLO | 480/277 Wye | 3 PH 4 W | MOUNT: SURFACE | PANEL ASSEMBLY RATED (KAIC): 44 KAIC

CKT	BRKR	POLE	LOAD	A		B		C		LOAD	POLE	BRKR	CKT
1	20 A	1	LTG DORM B	1.7	3.2					LTG DORM C	1	20 A	2
3	20 A	1	LTG DORM D			3.2	3.2			LTG DORM G	1	20 A	4
5	20 A	1	LTG DORM H					3.2	1.8	LTG DORM J	1	20 A	6
7	20 A	1	LTG DORM E (ALT)	3.2	3.4					LTG DORM F	1	20 A	8
9	20 A	1	LTG CORE			2.3	3.3			UH-6 (ML)	1	20 A	10
11	20 A	1	UH-7 (ML)					3.3	1.7				12
13	20 A	1	SPARE	0.0	1.7					WASHER	3	20 A	14
15	20 A	1	SPARE			0.0	1.7						16
17	20 A	1	SPARE					0.0	1.7				18
19	20 A	1	SPARE	0.0	1.7					WASHER	3	20 A	20
21	20 A	1	SPARE			0.0	1.7						22
23	20 A	1	SPARE					0.0	12.5				24
25	20 A	1	SPARE	0.0	12.5					DRYER	3	60 A	26
27	20 A	1	SPARE			0.0	12.5						28
29	20 A	1	SPARE					0.0	12.5				30
31	20 A	1	SPARE	0.0	12.5					DRYER	3	60 A	32
33	20 A	1	SPARE			0.0	12.5						34
35	20 A	1	SPARE					0.0	--	SPACE ONLY	1	--	36
37	20 A	1	SPARE	0.0	--					SPACE ONLY	1	--	38
39	20 A	1	SPARE			0.0	--			SPACE ONLY	1	--	40
41	20 A	1	SPARE					0.0	--	SPACE ONLY	1	--	42
				40 kVA		40 kVA		36 kVA					
				145 A		145 A		130 A					

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 DED. NEUTRAL. (ALT) - MARK AS SPARE IF ALTERNATE NOT TAKEN
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8. DED. NEUTRAL.
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR, REF DETAIL ON DWG E4.X.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification	Connected Load	Demand Factor	Estimated Demand
INTERIOR LIGHTING	25.2 kVA	125.00%	31.4 kVA
EXTERIOR LIGHTING	0.0 kVA	0.00%	0.0 kVA
RECEPTACLES	0.0 kVA	0.00%	0.0 kVA
AC / HEAT PUMP	6.6 kVA	100.00%	6.6 kVA
ELECTRIC HEAT	0.0 kVA	0.00%	0.0 kVA
KITCHEN	84.8 kVA	80.00%	67.8 kVA
MISCELLANEOUS	0.0 kVA	0.00%	0.0 kVA

Panel Totals

Total Conn. Load: 115.3 kVA
Total Est. Demand: 104.6 kVA
Total Conn. Current: 139 A
Total Est. Demand... 126 A

277V RELAY SCHEDULE - RHB

RELAY	PANEL	CIRCUIT#	DESCRIPTION	CONTROL MEANS	NOTES
RHB-1	HB	1	LTG DORM B	SECURITY SYSTEM	
RHB-2	HB	2	LTG DORM C	SECURITY SYSTEM	
RHB-3	HB	3	LTG DORM D	SECURITY SYSTEM	
RHB-4	HB	4	LTG DORM D	SECURITY SYSTEM	
RHB-5	HB	5	LTG DORM H	SECURITY SYSTEM	
RHB-6	HB	6	LTG DORM J	SECURITY SYSTEM	
RHB-7	HB	7	LTG DORM E	SECURITY SYSTEM	ALT 2
RHB-8	HB	8	LTG DORM F	SECURITY SYSTEM	ALT 2
RHB-9			SPARE	SECURITY SYSTEM	
RHB-10			SPARE	SECURITY SYSTEM	
RHB-11			SPARE	SECURITY SYSTEM	
RHB-12			SPARE	SECURITY SYSTEM	
RHB-13			SPARE	SECURITY SYSTEM	
RHB-14			SPARE	SECURITY SYSTEM	
RHB-15			SPARE	SECURITY SYSTEM	
RHB-16			SPARE	SECURITY SYSTEM	
RHB-29					

PANELBOARD SCHEDULE LA1

LOCATION: ELECTRICAL S102 | FED FROM: TA

400 AMP MCB | 120/208 Wye | 3 PH 4 W | MOUNT: SURFACE | PANEL ASSEMBLY RATED (KAIC): 22 KAIC

CKT	BRKR	POLE	LOAD	A		B		C		LOAD	POLE	BRKR	CKT
1	20 A	1	EF-1 (ML)	0.5	0.5					EF-2 (ML)	1	20 A	2
3	20 A	1	EF-3 (ML)			0.5	0.5			EF-4 (ML)	1	20 A	4
5	20 A	1	EF-5 (ML)					0.5	0.5	EF-6 (ML)	1	20 A	6
7	20 A	1	EF-7 (ML)	0.5	0.5					EF-8 (ML)	1	20 A	8
9	20 A	1	EF-9 (ML)			0.5	0.5			EF-10 (ML)	1	20 A	10
11	20 A	1	EF-12 (ML)					0.5	0.5	EF-13 (ML)	1	20 A	12
13	20 A	1	EF-1 (ML)4	0.5	0.5					EF-15 (ML)	1	20 A	14
15	20 A	1	EF-17 (ML)			0.5	--						16
17	20 A	1	RECEPTACLES					1.6	--	SPACE ONLY	3	--	18
19				1.0	--								20
21	20 A	3	KEF-2 (ML)			1.0	1.0						22
23								1.0	1.0	KEF-1(ML)	3	20 A	24
25	20 A	2	ODU-1	1.1	1.0								26
27						1.1	1.4						28
29	35 A	2	RTU-3 (ML)					1.9	1.4	MAU-1 (ML)	3	20 A	30
31				1.9	1.4								32
33	35 A	2	RTU-5 (ML)			1.9	2.5			RTU-4 (ML)	2	45 A	34
35								1.9	2.5				36
37				16.9	14.1								38
39	225 A	3	LA2			19.0	14.2			LB1	3	225 A	40
41								15.3	14.5				42
				40 kVA		44 kVA		42 kVA					
				334 A		369 A		353 A					

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 DED. NEUTRAL. (ALT) - MARK AS SPARE IF ALTERNATE NOT TAKEN
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8. DED. NEUTRAL.
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR, REF DETAIL ON DWG E4.X.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification	Connected Load	Demand Factor	Estimated Demand
INTERIOR LIGHTING	0.0 kVA	0.00%	0.0 kVA
EXTERIOR LIGHTING	0.0 kVA	0.00%	0.0 kVA
RECEPTACLES	55.7 kVA	58.98%	32.8 kVA
AC / HEAT PUMP	45.0 kVA	100.00%	45.0 kVA
ELECTRIC HEAT	0.0 kVA	0.00%	0.0 kVA
KITCHEN	0.0 kVA	0.00%	0.0 kVA
MISCELLANEOUS	25.6 kVA	100.00%	25.6 kVA

Panel Totals

Total Conn. Load: 126.1 kVA
Total Est. Demand: 103.4 kVA
Total Conn. Current: 350 A
Total Est. Demand... 287 A

PANELBOARD SCHEDULE LB1

LOCATION: ELEC S110 | FED FROM: LA1

225 AMP MLO | 120/208 Wye | 3 PH 4 W | MOUNT: SURFACE | PANEL ASSEMBLY RATED (KAIC): 10 KAIC

CKT	BRKR	POLE	LOAD	A		B		C		LOAD	POLE	BRKR	CKT
1	20 A	1	VIDEO VISIT DORM B	0.2	0.4					REC DORM B CHASE	1	20 A	2
3	20 A	1	KIOSK DORM B			0.2	1.4			REC DORM C CHASE	1	20 A	4
5	20 A	1	TV DORM B					0.2	1.4	REC DORM D CHASE	1	20 A	6
7	20 A	1	WATER DORM B	0.5	0.9					REC S108	1	20 A	8
9	20 A	1	VIDEO VISIT DORM C			0.4	0.5			REC S111	1	20 A	10
11	20 A	1	KIOSK DORM C					0.0	1.4	REC DORM G CHASE	1	20 A	12
13	20 A	1	TV DORM C	0.4	1.4					REC DORM H CHASE	1	20 A	14
15	20 A	1	WATER DORM C			0.5	0.4			REC DORM J CHASE	1	20 A	16
17	20 A	1	VIDEO VISIT DORM D					0.4	1.3	REC M102	1	20 A	18
19	20 A	1	KIOSK DORM D	0.0	0.4					REC M103	1	20 A	20
21	20 A	1	TV DORM D			0.4	0.7			REF M103	1	20 A	22
23	20 A	1	WATER DORM D					0.5	0.7	REC M104	1	20 A	24
25	20 A	1	VIDEO VISIT DORM G	0.4	0.7					REC M107	1	20 A	26
27	20 A	1	KIOSK DORM G			0.0	0.7			REC CR001	1	20 A	28
29	20 A	1	TV DORM G					0.4	0.7	REC CR001	1	20 A	30
31	20 A	1	WATER DORM G	0.5	0.7					REC CR001	1	20 A	32
33	20 A	1	VIDEO VISIT DORM H			0.4	0.4			REC CR001	1	20 A	34
35	20 A	1	KIOSK DORM H					0.0	0.5	REC CR002	1	20 A	36
37	20 A	1	TV DORM H	0.4	0.7					REC SE001	1	20 A	38
39	20 A	1	WATER DORM H			0.5	0.7			REC SE001	1	20 A	40
41	20 A	1	VIDEO VISIT DORM J					0.2	0.7	REC SE001	1	20 A	42
43	20 A	1	KIOSK DORM J	0.2	0.7					REC SE001	1	20 A	44
45	20 A	1	TV DORM J			0.2	0.7			REC SE001	1	20 A	46
47	20 A	1	TV DORM J					0.5	0.7	REC SE001	1	20 A	48
49	20 A	1	RE E21	0.9	0.7					REC SE001	1	20 A	50
51	20 A	1	REC F21			0.9	0.7			REC SE001	1	20 A	52
53	20 A	1	REC DORM E CHASE					0.9	0.9	REC DORM F CHASE	1	20 A	54
55	20 A	1	EF-11 (ML)	0.5	0.5					EF-16 (ML)	1	20 A	56
57						1.1	2.0						58
59	20 A	2	ODU- 2 (ML)					1.1	2.0	ODU- 3 (ML)	2	25 A	60
61	35 A	2	RTU-7 (ML)	1.9	1.6					REC - ROOF	1	20 A	62
63						1.9	--			SPACE ONLY	1	--	64
65	20 A	1	SPARE					0.0	--	SPACE ONLY	1	--	66
67	20 A	1	SPARE	0.0	--					SPACE ONLY	1	--	68
69	20 A	1	SPARE			0.0	--			SPACE ONLY	1	--	70
71	20 A	1	SPARE					0.0	--	SPACE ONLY	1	--	72
73	20 A	1	SPARE	0.0	--					SPACE ONLY	1	--	74
75	20 A	1	SPARE			0.0	--			SPACE ONLY	1	--	76
77	20 A	1	SPARE					0.0	--	SPACE ONLY	1	--	78
79	20 A	1	SPARE	0.0	--					SPACE ONLY	1	--	80
81	20 A	1	SPARE			0.0	--			SPACE ONLY	1	--	82
83	20 A	1	SPARE					0.0	--	SPACE ONLY	1	--	84
				14 kVA		14 kVA		15 kVA					
				118 A		119 A		121 A					

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 DED. NEUTRAL. (ALT) - MARK AS SPARE IF ALTERNATE NOT TAKEN
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8. DED. NEUTRAL.
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR, REF DETAIL ON DWG E4.X.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification	Connected Load	Demand Factor	Estimated Demand
INTERIOR LIGHTING	0.0 kVA	0.00%	0.0 kVA
EXTERIOR LIGHTING	0.0 kVA	0.00%	0.0 kVA
RECEPTACLES	27.4 kVA	68.23%	18.7 kVA
AC / HEAT PUMP	10.5 kVA	100.00%	10.5 kVA
ELECTRIC HEAT	0.0 kVA	0.00%	0.0 kVA
KITCHEN	0.0 kVA	0.00%	0.0 kVA
MISCELLANEOUS	5.1 kVA	100.00%	5.1 kVA

Panel Totals

Total Conn. Load: 42.8 kVA
Total Est. Demand: 34.1 kVA
Total Conn. Current: 119 A
Total Est. Demand... 95 A

120V RELAY SCHEDULE - RLB

RELAY	PANEL	CIRCUIT #	CIRCUIT DESCRIPTION	CONTROL MEANS	NOTES
RLB-1	LB1	1	VIDEO VISIT DORM B	SECURITY SYSTEM	
RLB-2	LB1	3	KIOSK DORM B	SECURITY SYSTEM	
RLB-3	LB1	5	TV DORM B	SECURITY SYSTEM	
RLB-4	LB1	7	WATER DORM B	SECURITY SYSTEM	
RLB-5	LB1	9	VIDEO VISIT DORM C	SECURITY SYSTEM	
RLB-6	LB1	11	KIOSK DORM C	SECURITY SYSTEM	
RLB-7	LB1	13	TV DORM C	SECURITY SYSTEM	
RLB-8	LB1	15	WATER DORM C	SECURITY SYSTEM	
RLB-9	LB1	17	VIDEO VISIT DORM D	SECURITY SYSTEM	
RLB-10	LB1	19	KIOSK DORM D	SECURITY SYSTEM	
RLB-11	LB1	21	TV DORM D	SECURITY SYSTEM	
RLB-12	LB1	23	WATER DORM D	SECURITY SYSTEM	
RLB-13	LB1	25	VIDEO VISIT DORM G	SECURITY SYSTEM	
RLB-14	LB1	27	KIOSK DORM G	SECURITY SYSTEM	
RLB-15	LB1	29	TV DORM G	SECURITY SYSTEM	
RLB-16	LB1	31	WATER DORM G	SECURITY SYSTEM	
RLB-17	LB1	33	VIDEO VISIT DORM H	SECURITY SYSTEM	
RLB-18	LB1	35	KIOSK DORM H	SECURITY SYSTEM	
RLB-19	LB1	37	TV DORM H	SECURITY SYSTEM	
RLB-20	LB1	39	WATER DORM H	SECURITY SYSTEM	
RLB-21	LB1	41	VIDEO VISIT DORM J	SECURITY SYSTEM	
RLB-22	LB1	43	KIOSK DORM J	SECURITY SYSTEM	
RLB-23	LB1	45	TV DORM J	SECURITY SYSTEM	
RLB-24	LB1	47	WATER DORM J	SECURITY SYSTEM	
RLB-25			SPARE	SECURITY SYSTEM	
RLB-26			SPARE	SECURITY SYSTEM	
RLB-27			SPARE	SECURITY SYSTEM	
RLB-28			SPARE	SECURITY SYSTEM	
RLB-29			SPARE	SECURITY SYSTEM	
RLB-30			SPARE	SECURITY SYSTEM	
RLB-31			SPARE	SECURITY SYSTEM	
RLB-32			SPARE	SECURITY SYSTEM	
RLB-33			SPARE	SECURITY SYSTEM	
RLB-34			SPARE	SECURITY SYSTEM	
RLB-35			SPARE	SECURITY SYSTEM	
RLB-36			SPARE	SECURITY SYSTEM	

PANELBOARD SCHEDULE LA2

LOCATION: ELECTRICAL S102 | FED FROM: LA1

225 AMP MLO | 120/208 Wye | 3 PH 4 W | MOUNT: SURFACE | PANEL ASSEMBLY RATED (KAIC): 22 KAIC

CKT	BRKR	POLE	LOAD	A		B		C		LOAD	POLE	BRKR	CKT
1	20 A	1	REC S104	1.4	1.4					REC 101	1	20 A	2
3	20 A	1	REC K110			1.1	1.4			EWC (GF)	1	20 A	4
5	20 A	1	REC K100					0.9	0.5	VIDEO VISIT 103	1	20 A	6
7	20 A	1	REC S100-S103	1.6	0.7					VIDEO VISIT 103	1	20 A	8
9	20 A	1	REC P105			0.9	4.0			REC 114-117	1	20 A	10
11	20 A	1	REC P105					1.1	0.9	REC 110	1	20 A	12
13	20 A	1	PRINTER P105	0.4	0.7					REC 106	1	20 A	14
15	20 A	1	REC P115			0.7	0.4			REC 107	1	20 A	16
17	20 A	1	REC P104					0.9	0.4	PRINTER 106	1	20 A	18
19	20 A	1	COUNTER REC 124	1.0	0.7					SHREDDER 106	1	20 A	20
21	20 A	1	COUNTER REC 124			1.2	1.1			REC 109	1	20 A	22
23	20 A	1	REF 124					0.7	1.3	REC 108	1	20 A	24
25	20 A	1	REC 123	1.1	1.3					REC 111	1	20 A	26
27	20 A	1	REC P114			1.1	1.3			REC 112	1	20 A	28
29	20 A	1	WASHER P114					0.7	1.0	REC 113	1	20 A	30
31	30 A	2	DRYER P114	0.1	0.2					REC 113	1	20 A	32
33						0.1	1.0			DISHWASHER 113	1	20 A	34
35	20 A	1	REC P120					0.7	0.7	REF 113	1	20 A	36
37	20 A	1	REC P121	0.7	0.0					SPARE	1	20 A	38
39	20 A	1	REC 121			0.7	0.7			DATA S109	1	20 A	40
41	20 A	1	REC S106					0.5	0.7	DATA S109	1	20 A	42
43	20 A	1	REC 120	1.6	0.7					DATA S109	1	20 A	44
45	20 A	1	PRINTER 120			0.4	0.7			DATA S109	1	20 A	46
47	20 A	1	EXTERIOR CARD READERS					0.5	0.7	DATA 118	1	20 A	48
49	20 A	1	GATE POWER	0.5	0.7					DATA 118	1	20 A	50
51	20 A	1	POWER			1.0	0.7			DATA 118	1	20 A	52
53	20 A	1	REC 107					0.4	0.7	DATA 118	1	20 A	54
55	20 A	1	DEF-1 (ML)	1.0	--					SPACE ONLY	1	--	56
57	20 A	1	BAS PANEL			0.2	--			SPACE ONLY	1	--	58
59	20 A	1	MISCELLANEOUS					0.5	--	SPACE ONLY	1	--	60
61	20 A	1	SPARE	0.0	--					SPACE ONLY	1	--	62
63	20 A	1	SPARE			0.0	--			SPACE ONLY	1	--	64
65	20 A	1	SPARE					0.0	--	SPACE ONLY	1	--	66
67	20 A	1	SPARE	0.0	--					SPACE ONLY	1	--	68
69	20 A	1	SPARE			0.0	--			SPACE ONLY	1	--	70
71	20 A	1	SPARE					0.0	--	SPACE ONLY	1	--	72
73	20 A	1	SPARE	0.0	--					SPACE ONLY	1	--	74
75	20 A	1	SPARE			0.0	--			SPACE ONLY	1	--	76
77	20 A	1	SPARE					0.0	1.0	GWH-1 (ML)	1	20 A	78
79	20 A	1	SPARE	0.0	1.0					GWH-2 (ML)	1	20 A	80
81	20 A	1	SPARE			0.0	0.5			RCP-2 (ML)	1	20 A	82
83	20 A	1	SPARE					0.0	0.5	RCP-1 (ML)	1	20 A	84
				17 kVA		19 kVA		15 kVA					
				142 A		160 A		127 A					

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 DED. NEUTRAL. (ALT) - MARK AS SPARE IF ALTERNATE NOT TAKEN
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8. DED. NEUTRAL.
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR, REF DETAIL ON DWG E4.X.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification	Connected Load	Demand Factor	Estimated Demand
INTERIOR LIGHTING	0.0 kVA	0.00%	0.0 kVA
EXTERIOR LIGHTING	0.0 kVA	0.00%	0.0 kVA
RECEPTACLES	26.6 kVA	68.77%	18.3 kVA
AC / HEAT PUMP	3.5 kVA	100.00%	3.5 kVA
ELECTRIC HEAT	0.0 kVA	0.00%	0.0 kVA
KITCHEN	0.0 kVA	0.00%	0.0 kVA
MISCELLANEOUS	20.5 kVA	100.00%	20.5 kVA

Panel Totals

Total Conn. Load: 51.1 kVA
Total Est. Demand: 42.9 kVA
Total Conn. Current: 142 A
Total Est. Demand... 119 A

PANELBOARD SCHEDULE LK

LOCATION: KITCHEN K100 | FED FROM: TK

400 AMP MLO | 120/208 Wye | 3 PH 4 W | MOUNT: RECESSED | PANEL ASSEMBLY RATED (KAIC): 22 KAIC

CKT	BRKR	POLE	LOAD	A		B		C		LOAD	POLE	BRKR	CKT
1				6.6	6.6								2
3	70 A	3	DISHWASHER (ML)			6.6	6.6			DISHWASHER (ML)	3	70 A	4
5								6.6	6.6				6
7	30 A	2	HOT SERVING (ML)	2.5	1.5					TEA BREWER (ML)	2	20 A	8
9						2.5	1.5						10
11	35 A	2	COFFEE MAKER (ML)					2.9	0.6	HEATED CABINET (ML)	2	20 A	12
13				2.9	0.6								14
15						5.5	3.5						16
17	60 A	3	HEATED CABINET (ML)					5.5	3.5	CONV STEAMER (ML)	3	40 A	18
19				5.5	3.5								20
21	20 A	2	MIXER (ML)			0.3	3.5						22
23								0.3	3.5	CONV STEAMER (ML)	3	40 A	24
25				4.0	3.5								26
27	50 A	3	TILT SKILLET (ML)			4.0	1.0						28
29								4.0	1.0	COOLER COND (ML)	3	20 A	30
31	20 A	2	FREEZER EVAP (ML)	0.1	1.0								32
33						0.1	1.0						34
35								1.6	1.0	COOLER COND (ML)	3	20 A	36
37	20 A	3	FREEZER COND (ML)	1.6	1.0								38
39						1.6	--			SPACE ONLY	1

PANELBOARD SCHEDULE HSA

LOCATION: LS ELECTRICA... FED FROM: ATS-S

400 AMP MCB | 480/277 Wye | 3 PH 4 W | MOUNT: SURFACE | PANEL ASSEMBLY RATED (KAIC): 44 KAIC

CKT	BRKR	POLE	LOAD	A		B		C		LOAD	POLE	BRKR	CKT
1				0.8	2.2								2
3	20 A	3	SEF-8 (ML)			0.8	2.2			SEF-7 (ML)	3	20 A	4
5								0.8	2.2				6
7				2.2	1.3								8
9	20 A	3	SEF-10 (ML)			2.2	1.3			SEF-9 (ML)	3	20 A	10
11								2.2	1.3				12
13				1.3	0.3								14
15	20 A	3	SEF-14 (ML)			1.3	0.3			SEF-13 (ML)	3	20 A	16
17								1.3	0.3				18
19				0.7	1.0								20
21	20 A	3	SSF-8 (ML)			0.7	1.0			SSF-7 (ML)	3	20 A	22
23								0.7	1.0				24
25				1.7	1.7								26
27	20 A	3	SSF-10 (ML)			1.7	1.7			SSF-7 (ML)	3	20 A	28
29								1.7	1.7				30
31				1.7	1.7								32
33	20 A	3	SSF-14 (ML)			1.7	1.7			SSF13- (ML)	3	20 A	34
35								1.7	1.7				36
37	--	1	SPACE ONLY	--	--					SPACE ONLY	1	--	38
39	--	1	SPACE ONLY			--	--			SPACE ONLY	1	--	40
41	--	1	SPACE ONLY					--	--	SPACE ONLY	1	--	42
43	--	1	SPACE ONLY	--	--					SPACE ONLY	1	--	44
45	--	1	SPACE ONLY			--	--			SPACE ONLY	1	--	46
47	--	1	SPACE ONLY					--	--	SPACE ONLY	1	--	48
49				0.0	--					SPACE ONLY	1	--	50
51	100 A	3	SPD			0.0	--			SPACE ONLY	1	--	52
53								0.0	--	SPACE ONLY	1	--	54
55				43.1	2.7								56
57	225 A	3	HSB			43.1	1.2			LSA VIA TSA	3	50 A	58
59								43.1	1.6				60
				56 kVA		55 kVA		55 kVA					
				203 A		199 A		200 A					

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 DED. NEUTRAL. (ALT) - MARK AS SPARE IF ALTERNATE NOT TAKEN
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8. DED. NEUTRAL.
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR, REF DETAIL ON DWG E4.X.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification	Connected Load	Demand Factor	Estimated Demand
INTERIOR LIGHTING	0.0 kVA	0.00%	0.0 kVA
EXTERIOR LIGHTING	0.0 kVA	0.00%	0.0 kVA
RECEPTACLES	0.0 kVA	0.00%	0.0 kVA
AC / HEAT PUMP	164.5 kVA	100.00%	164.5 kVA
ELECTRIC HEAT	0.0 kVA	0.00%	0.0 kVA
KITCHEN	0.0 kVA	0.00%	0.0 kVA
MISCELLANEOUS	2.8 kVA	100.00%	2.8 kVA

Panel Totals
Total Conn. Load: 166.5 kVA
Total Est. Demand: 166.5 kVA
Total Conn. Current: 200 A
Total Est. Demand... 200 A

PANELBOARD SCHEDULE HSB

LOCATION: ELEC S110 FED FROM: HSA

225 AMP MCB | 480/277 Wye | 3 PH 4 W | MOUNT: SURFACE | PANEL ASSEMBLY RATED (KAIC): 22 KAIC

CKT	BRKR	POLE	LOAD	A		B		C		LOAD	POLE	BRKR	CKT
1				5.8	5.8								2
3	20 A	3	SEF- A1 (ML)			5.8	5.8			SEF- A2 (ML)	3	20 A	4
5								5.8	5.8				6
7				3.0	3.0								8
9	20 A	3	SSF- A1 (ML)			3.0	3.0			SSF- A2 (ML)	3	20 A	10
11								3.0	3.0				12
13				5.8	5.8								14
15	30 A	3	SEF-1 (ML)			5.8	5.8			SEF-2 (ML)	3	30 A	16
17								5.8	5.8				18
19				5.8	5.8								20
21	30 A	3	SEF-3 (ML)			5.8	5.8			SEF-4 (ML)	3	30 A	22
23								5.8	5.8				24
25				1.3	1.3								26
27	20 A	3	SEF-5 (ML)			1.3	1.3			SEF-6 (ML)	3	20 A	28
29								1.3	1.3				30
31				0.8	0.3								32
33	20 A	3	SEF-11 (ML)			0.8	0.3			SEF-12 (ML)	3	20 A	34
35								0.8	0.3				36
37				3.0	3.0								38
39	20 A	3	SSF-1 (ML)			3.0	3.0			SSF-2 (ML)	3	20 A	40
41								3.0	3.0				42
43				3.0	3.0								44
45	20 A	3	SSF-3 (ML)			3.0	3.0			SSF-4 (ML)	3	20 A	46
47								3.0	3.0				48
49				1.0	1.0								50
51	20 A	3	SSF-5 (ML)			1.0	1.0			SSF-6 (ML)	3	20 A	52
53								1.0	1.0				54
55				1.0	0.3								56
57	20 A	3	SEF-11 (ML)			1.0	0.3			SSF-12 (ML)	3	20 A	58
59								1.0	0.3				60
61	--	1	SPACE ONLY	--	--					SPACE ONLY	1	--	62
63	--	1	SPACE ONLY			--	--			SPACE ONLY	1	--	64
65	--	1	SPACE ONLY					--	--	SPACE ONLY	1	--	66
67	--	1	SPACE ONLY	--	--					SPACE ONLY	1	--	68
69	--	1	SPACE ONLY			--	--			SPACE ONLY	1	--	70
71	--	1	SPACE ONLY					--	--	SPACE ONLY	1	--	72
73	--	1	SPACE ONLY	--	--					SPACE ONLY	1	--	74
75	--	1	SPACE ONLY			--	--			SPACE ONLY	1	--	76
77	--	1	SPACE ONLY					--	--	SPACE ONLY	1	--	78
79	--	1	SPACE ONLY	--	--					SPACE ONLY	1	--	80
81	--	1	SPACE ONLY			--	--			SPACE ONLY	1	--	82
83	--	1	SPACE ONLY					--	--	SPACE ONLY	1	--	84
				43 kVA		43 kVA		43 kVA					
				156 A		156 A		156 A					

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 DED. NEUTRAL. (ALT) - MARK AS SPARE IF ALTERNATE NOT TAKEN
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8. DED. NEUTRAL.
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR, REF DETAIL ON DWG E4.X.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification	Connected Load	Demand Factor	Estimated Demand
INTERIOR LIGHTING	0.0 kVA	0.00%	0.0 kVA
EXTERIOR LIGHTING	0.0 kVA	0.00%	0.0 kVA
RECEPTACLES	0.0 kVA	0.00%	0.0 kVA
AC / HEAT PUMP	129.3 kVA	100.00%	129.3 kVA
ELECTRIC HEAT	0.0 kVA	0.00%	0.0 kVA
KITCHEN	0.0 kVA	0.00%	0.0 kVA
MISCELLANEOUS	0.0 kVA	0.00%	0.0 kVA

Panel Totals
Total Conn. Load: 129.3 kVA
Total Est. Demand: 129.3 kVA
Total Conn. Current: 156 A
Total Est. Demand... 156 A

PANELBOARD SCHEDULE HXA

LOCATION: LS ELECTRICA... FED FROM: ATS-X

100 AMP MCB | 480/277 Wye | 3 PH 4 W | MOUNT: SURFACE | PANEL ASSEMBLY RATED (KAIC): 22 KAIC

CKT	BRKR	POLE	LOAD	A		B		C		LOAD	POLE	BRKR	CKT
1	20 A	1	E LTG DORMS	3.2	1.8					E LTG EXTERIOR	1	20 A	2
3	20 A	1	E LTG DORMS			3.2	3.3			E LTG ADMIN	1	20 A	4
5	20 A	1	EXTERIOR LIGHTING					0.8	--	SPACE ONLY	1	--	6
7	20 A	1	SPARE	0.0	--					SPACE ONLY	1	--	8
9	20 A	1	SPARE			0.0	--			SPACE ONLY	1	--	10
11	20 A	1	SPARE					0.0	--	SPACE ONLY	1	--	12
13	20 A	1	SPARE	0.0	--					SPACE ONLY	1	--	14
15	20 A	1	SPARE			0.0	--			SPACE ONLY	1	--	16
17	20 A	1	SPARE					0.0	--	SPACE ONLY	1	--	18
19	20 A	1	SPARE	0.0	0.0								20
21	20 A	1	SPARE			0.0	0.0			SPD	3	30 A	22
23	20 A	1	SPARE					0.0	0.0				24
				5 kVA		7 kVA		1 kVA					
				20 A		26 A		3 A					

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 DED. NEUTRAL. (ALT) - MARK AS SPARE IF ALTERNATE NOT TAKEN
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8. DED. NEUTRAL.
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR, REF DETAIL ON DWG E4.X.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification	Connected Load	Demand Factor	Estimated Demand
INTERIOR LIGHTING	9.8 kVA	125.00%	12.3 kVA
EXTERIOR LIGHTING	2.5 kVA	125.00%	3.1 kVA
RECEPTACLES	0.0 kVA	0.00%	0.0 kVA
AC / HEAT PUMP	0.0 kVA	0.00%	0.0 kVA
ELECTRIC HEAT	0.0 kVA	0.00%	0.0 kVA
KITCHEN	0.0 kVA	0.00%	0.0 kVA
MISCELLANEOUS	0.0 kVA	0.00%	0.0 kVA

Panel Totals
Total Conn. Load: 12.2 kVA
Total Est. Demand: 15.2 kVA
Total Conn. Current: 15 A
Total Est. Demand... 18 A

PANELBOARD SCHEDULE LSA

LOCATION: LS ELECTRICA... FED FROM: TSA

100 AMP MCB | 120/208 Wye | 3 PH 4 W | MOUNT: SURFACE | PANEL ASSEMBLY RATED (KAIC): 10 KAIC

CKT	BRKR	POLE	LOAD	A		B		C		LOAD	POLE	BRKR	CKT
1	20 A	1	GEN BATTERY CHARGER	0.5	0.2					FIRE ALARM BELL (L)	1	20 A	2
3	30 A	2	GEN JACKET HEATER			0.3	--			SPACE ONLY	1	--	4
5								0.3	--	SPACE ONLY	1	--	6
7	20 A	1	DAMPERS	0.6	--					SPACE ONLY	1	--	8
9	20 A	1	SPARE			0.0	--			SPACE ONLY	1	--	10
11	20 A	1	SPARE					0.0	--	SPACE ONLY	1	--	12
13	20 A	1	SPARE	0.0	--					SPACE ONLY	1	--	14
15	20 A	1	SPARE			0.0	--			SPACE ONLY	1	--	16
17	20 A	1	SPARE					0.0	--	SPACE ONLY	1	--	18
19	20 A	1	SPARE	0.0	1.4								20
21	20 A	1	SPARE			0.0	0.9			LSB (FEED THRU LUGS)	3	0 A	22
23	20 A	1	SPARE					0.0	1.3				24
				3 kVA		1 kVA		2 kVA					
				23 A		10 A		13 A					

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 DED. NEUTRAL. (ALT) - MARK AS SPARE IF ALTERNATE NOT TAKEN
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8. DED. NEUTRAL.
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR, REF DETAIL ON DWG E4.X.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification	Connected Load	Demand Factor	Estimated Demand
INTERIOR LIGHTING	0.0 kVA	0.00%	0.0 kVA
EXTERIOR LIGHTING	0.0 kVA	0.00%	0.0 kVA
RECEPTACLES	0.0 kVA	0.00%	0.0 kVA
AC / HEAT PUMP	2.6 kVA	100.00%	2.6 kVA
ELECTRIC HEAT	0.0 kVA	0.00%	0.0 kVA
KITCHEN	0.0 kVA	0.00%	0.0 kVA
MISCELLANEOUS	2.8 kVA	100.00%	2.8 kVA

Panel Totals
Total Conn. Load: 5.4 kVA
Total Est. Demand: 5.4 kVA
Total Conn. Current: 15 A
Total Est. Demand... 15 A

PANELBOARD SCHEDULE LSB

LOCATION: ELEC S110 FED FROM: LSA

100 AMP MCB | 120/208 Wye | 3 PH 4 W | MOUNT: SURFACE | PANEL ASSEMBLY RATED (KAIC): 10 KAIC

CKT	BRKR	POLE	LOAD	A		B		C		LOAD	POLE	BRKR	CKT
1	20 A	1	DAMPERS TIER BW (L)	0.9	0.5					FFSCP (L)	1	20 A	2
3	20 A	1	DAMPERS TIER C (L)			0.4	0.5			FACP (L) (RED HANDLE)	1	20 A	4
5	20 A	1	DAMPERS TIER BE (L)					0.8	0.5	GEN ANN (L)	1	20 A	6
7	--	1	SPACE ONLY	--	--					SPACE ONLY	1	--	8
9	--	1	SPACE ONLY			--	--			SPACE ONLY	1	--	10
11	--	1	SPACE ONLY					--	--	SPACE ONLY	1	--	12
13	--	1	SPACE ONLY	--	--					SPACE ONLY	1	--	14
15	--	1	SPACE ONLY			--	--			SPACE ONLY	1	--	16
17	--	1	SPACE ONLY					--	--	SPACE ONLY	1	--	18
19	--	1	SPACE ONLY	--	--					SPACE ONLY	1	--	20
21	--	1	SPACE ONLY			--	--			SPACE ONLY	1	--	22
23	--	1	SPACE ONLY					--	--	SPACE ONLY	1	--	24
				1 kVA		1 kVA		1 kVA					
				12 A		8 A		11 A					

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 DED. NEUTRAL. (ALT) - MARK AS SPARE IF ALTERNATE NOT TAKEN
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8. DED. NEUTRAL.
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR, REF DETAIL ON DWG E4.X.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification	Connected Load	Demand Factor	Estimated Demand
INTERIOR LIGHTING	0.0 kVA	0.00%	0.0 kVA
EXTERIOR LIGHTING	0.0 kVA	0.00%	0.0 kVA
RECEPTACLES	0.0 kVA	0.00%	0.0 kVA
AC / HEAT PUMP	2.0 kVA	100.00%	2.0 kVA
ELECTRIC HEAT	0.0 kVA	0.00%	0.0 kVA
KITCHEN	0.0 kVA	0.00%	0.0 kVA
MISCELLANEOUS	1.6 kVA	100.00%	1.6 kVA

Panel Totals
Total Conn. Load: 3.6 kVA
Total Est. Demand: 3.6 kVA
Total Conn. Current: 10 A
Total Est. Demand... 10 A

FIRE ALARM INPUT/OUTPUT MATRIX

	CONTROL UNIT ANNUNCIATION							NOTIFICATION / ACTION										
	ACTUATE COMMON ALARM SIGNAL INDICATOR	ACTUATE AUDIBLE ALARM SIGNAL	ACTUATE ALARM INDICATOR	ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR	ACTUATE AUDIBLE SUPERVISORY SIGNAL	ACTUATE COMMON TROUBLE SIGNAL INDICATOR	ACTUATE AUDIBLE COMMON TROUBLE SIGNAL	ANNUNCIATE AT GRAPHIC AND TEXT ANNUCIATORS	ACTUATE NOTIFICATION APPLIANCE	ACTUATE SPRINKLER FLOW BELL	DISPLAY CHANGE OF STATUS	TRANSMIT ALARM SIGNAL TO SUPERVISING STATION	TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATION	TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION	SHUT DOWN ASSOCIATED HVAC EQUIPMENT (PER MATRIX)	ENERGIXZE ASSOCIATED HVAC EQUIPMENT (PER MATRIX)	OPEN ASSOCIATED DAMPER (PER MATRIX)	CLOSE ASSOCIATED DAMPER (PER MATRIX)
MANUAL PULL STATION	X	X	X					X	X		X	X						
SMOKE DETECTOR NOT IN SMOKE ZONE	X	X	X					X	X		X	X						
HEAT DETECTOR NOT IN SMOKE ZONE	X	X	X					X	X		X	X						
KITCHEN HOOD FIRE SUPPRESSION SYSTEM MONITOR	X	X	X					X	X	X	X	X						
SPRINKLER SYSTEM WATERFLOW NOT IN SMOKE ZONE	X	X	X					X	X	X	X	X						
SPRINKLER VALVE TAMPER SWITCH				X	X			X			X		X					
MONITOR MODULE - GENERATOR FAILURE				X	X			X			X		X					
MONITOR MODULE - GENERATOR RUN						X	X	X			X		X					
FIRE ALARM AC POWER FAILURE						X	X	X			X			X				
FIRE ALARM SYSTEM LOW BATTERY						X	X	X			X			X				
FIRE ALARM OPEN CIRCUIT						X	X	X			X			X				
FIRE ALARM GROUND FAULT						X	X	X			X			X				
FIRE ALARM NOTIFICATION APPLIANCE CIRCUIT SHORT						X	X	X			X			X				
SMOKE DETECTOR - SMOKE ZONE (REFER TO MATRIX)	X	X	X					X	X		X	X			X	X	X	X
DUCT SMOKE DETECTOR - SMOKE ZONE (REFER TO MATRIX)	X	X	X					X	X		X	X			X	X	X	X
FLOW SWITCH - SMOKE ZONE (REFER TO MATRIX)	X	X	X					X	X		X	X			X	X	X	X

HSA	HSB	HXA
LXA	LSB	

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 024242 ENGINEER WILLIAM J. CARY, JR.

MOSELEY ARCHITECTS CORPORATE C-3469 NORTH CAROLINA

DUPLIN COUNTY DETENTION CENTER

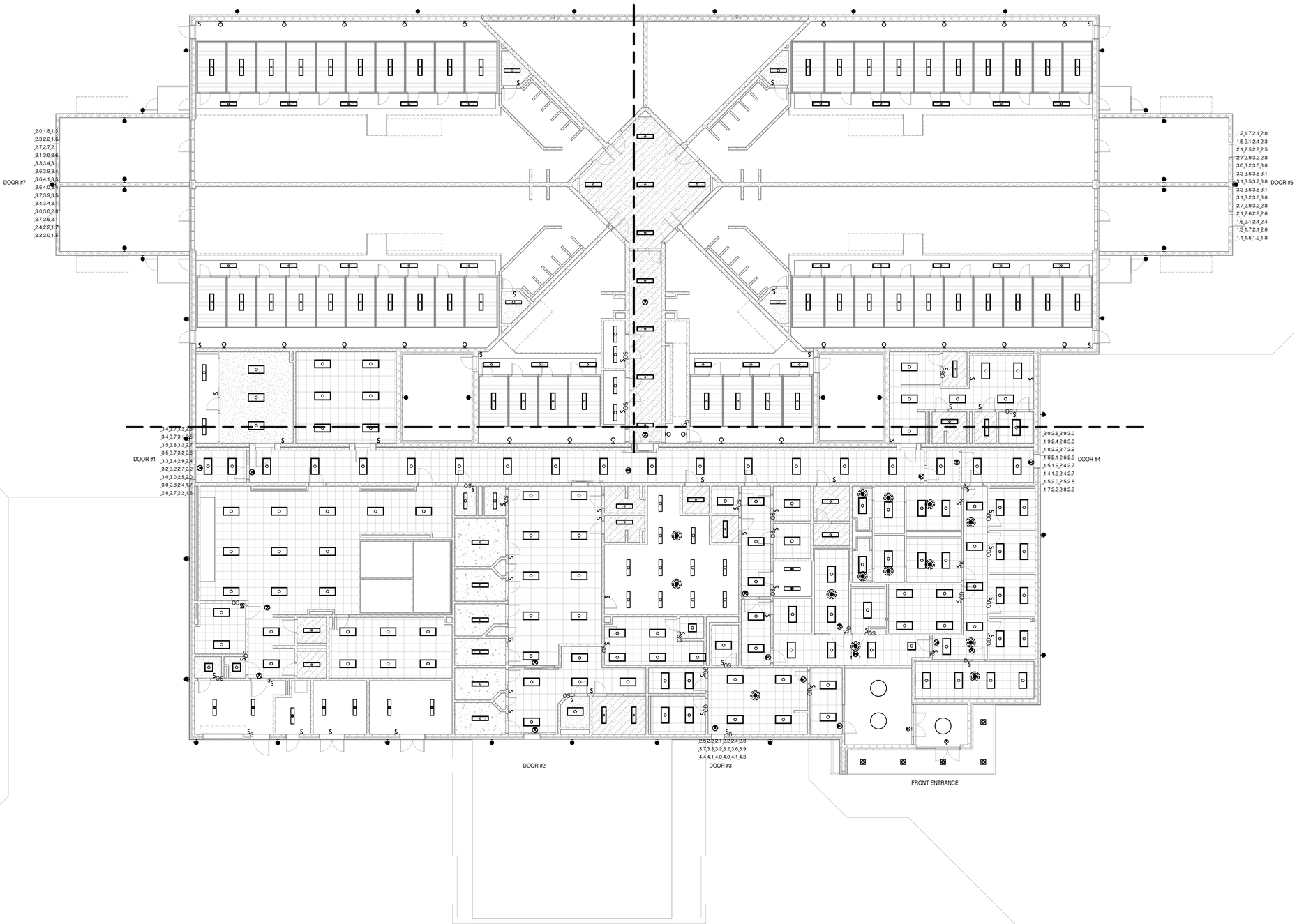
DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO: 621373	DATE: DECEMBER 12, 2023
REVISIONS	
DATE	DESCRIPTION

ELECTRICAL SCHDULES

E5.3

12/11/2023 9:45:53 AM

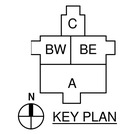


Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
DOOR 1.	+	2.9 fc	3.8 fc	1.6 fc	2.4:1	1.8:1
DOOR 2	+	4.8 fc	6.3 fc	3.2 fc	2.0:1	1.5:1
DOOR 3	+	3.3 fc	4.4 fc	2.1 fc	2.1:1	1.6:1
DOOR 4	+	2.3 fc	3.0 fc	1.4 fc	2.1:1	1.6:1
DOOR 6	+	2.6 fc	3.8 fc	1.1 fc	3.5:1	2.4:1
DOOR 7	+	2.8 fc	4.1 fc	1.3 fc	3.2:1	2.2:1
FRONT ENTRANCE	+	3.1 fc	4.6 fc	1.8 fc	2.6:1	1.7:1

FIRST FLOOR PLAN - LIGHTING CALCS

3/32" = 1'-0"



MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 024242 ENGINEER WILLIAM J. CRAY JR.

MOSELEY ARCHITECTS PROFESSIONAL CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

DUPLIN COUNTY DETENTION CENTER

DHSR# - J-378
DUPLIN COUNTY,NORTH CAROLINA
325 FAIRGROUNDS DRIVE, KENANSVILLE NC 28349

NO:	DATE:
621373	DECEMBER 02, 2023

REVISIONS

DATE	DESCRIPTION

LIGHTING CALCULATIONSS

LC-1

11/30/2023 5:10:34 PM