

Coastal Engineering Building

5236 Randall Drive
Wilmington, NC 28403

University of North Carolina Wilmington

October 7, 2020

DRAWING LIST

GENERAL
G000 COVER SHEET
G001 CODE SUMMARY
G100 LIFE SAFETY
G301 UL 263 - U419

ARCHITECTURAL
A001 ABBREVIATIONS, NOTES, & TYPICAL CONDITIONS
A002 TYPICAL EXTERIOR AND INTERIOR PARTITIONS
A100 ARCHITECTURAL SITE PLAN
A101 LEVEL 1 - FLOOR PLAN
A102 ROOF PLAN
A200 BUILDING ELEVATIONS
A210 BUILDING SECTIONS
A300 WALL SECTIONS
A400 ENLARGED ENTRANCE
A405 ROOF DETAILS
A410 UTILITY YARD
A500 EXTERIOR DETAILS - BRICK, CONCRETE, CS, MTL, & MOCK-UP
A501 EXTERIOR DETAILS - FRP & PFM
A502 EXTERIOR DETAILS
A600 ENLARGED PLANS & ELEVATIONS - RESTROOMS
A601 ENLARGED ELEVATIONS - LABS & CONFERENCE ROOM
A602 ENLARGED ELEVATIONS - CLASSROOMS & CORR
A700 INTERIOR PLAN DETAILS
A701 INTERIOR SECTION DETAILS
A710 CASEWORK PLANS, ELEVATIONS, & DETAILS
A800 REFLECTED CEILING PLAN
A900 DOOR SCHEDULE, DOOR ELEVATIONS, & WINDOW ELEVATIONS
A910 TYPICAL DOOR DETAILS
A911 TYPICAL LOUVER & WINDOW DETAILS
A912 SIGNAGE

INTERIOR DESIGN
ID100 FLOOR FINISH PLAN
ID200 FINISH KEY & ROOM FINISH SCHEDULE

STRUCTURE
S001 STRUCTURAL GENERAL NOTES
S002 STRUCTURAL GENERAL NOTES
S003 TYPICAL DETAILS
S004 TYPICAL DETAILS
S100 STRUCTURAL FOUNDATION PLAN
S101 ROOF FRAMING PLAN
S102 WIND PRESSURES
S301 FOUNDATION SECTIONS & DETAILS
S401 FRAMING SECTIONS & DETAILS
S402 FRAMING SECTIONS & ELEVATION
S501 FRAME ELEVATIONS & BASE PLATE DETAIL

MECHANICAL
M001 MECHANICAL LEGEND AND NOTES
M002 MECHANICAL SCHEDULES
M003 MECHANICAL SEQUENCE OF OPERATIONS
M004 MECHANICAL POINTS LIST
M101 FIRST FLOOR MECHANICAL PLAN
M201 FIRST FLOOR MECHANICAL PIPING PLAN
M401 ENLARGED MECHANICAL PLANS
M501 MECHANICAL DETAILS
M502 MECHANICAL DETAILS
M503 MECHANICAL DETAILS

PLUMBING

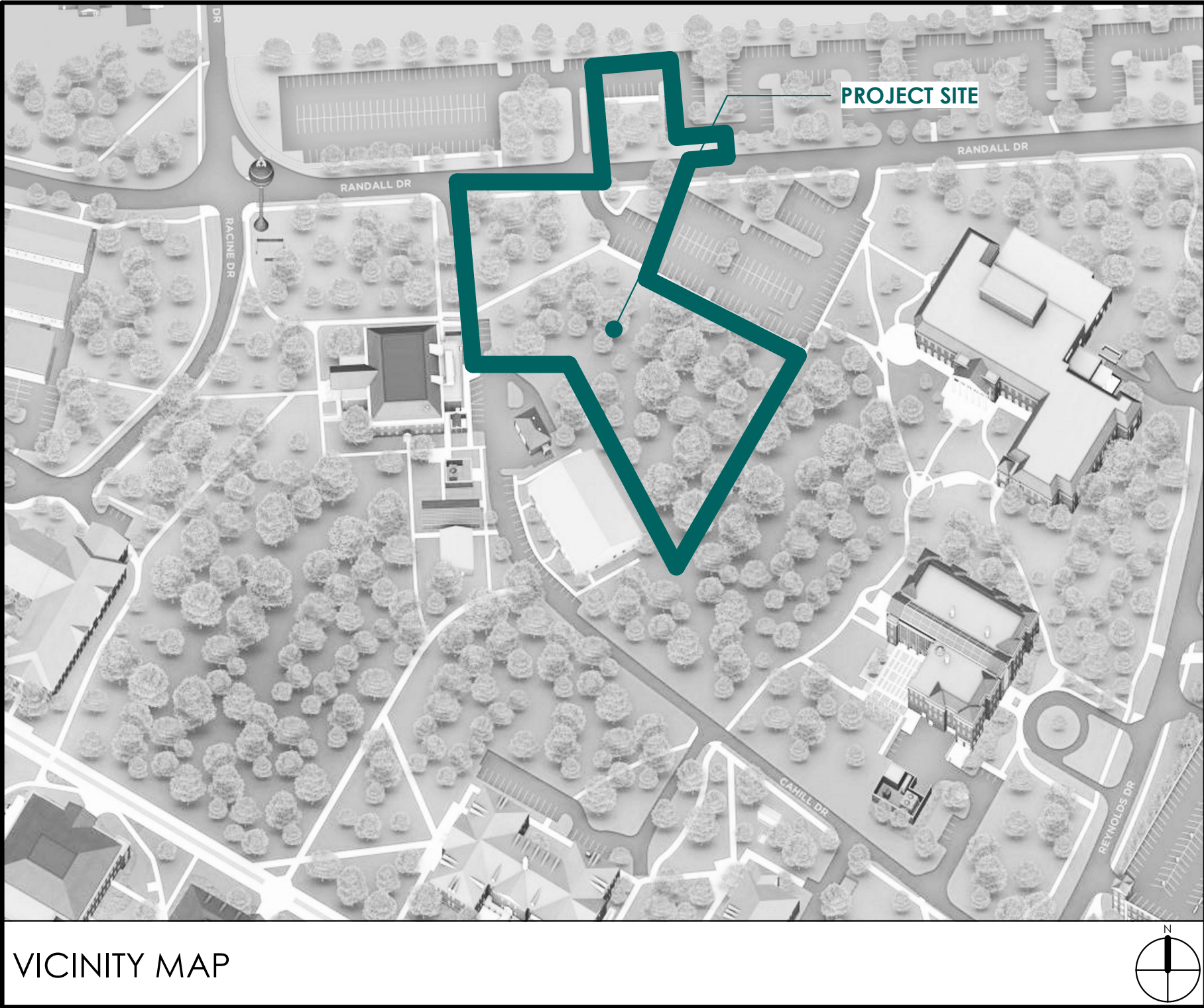
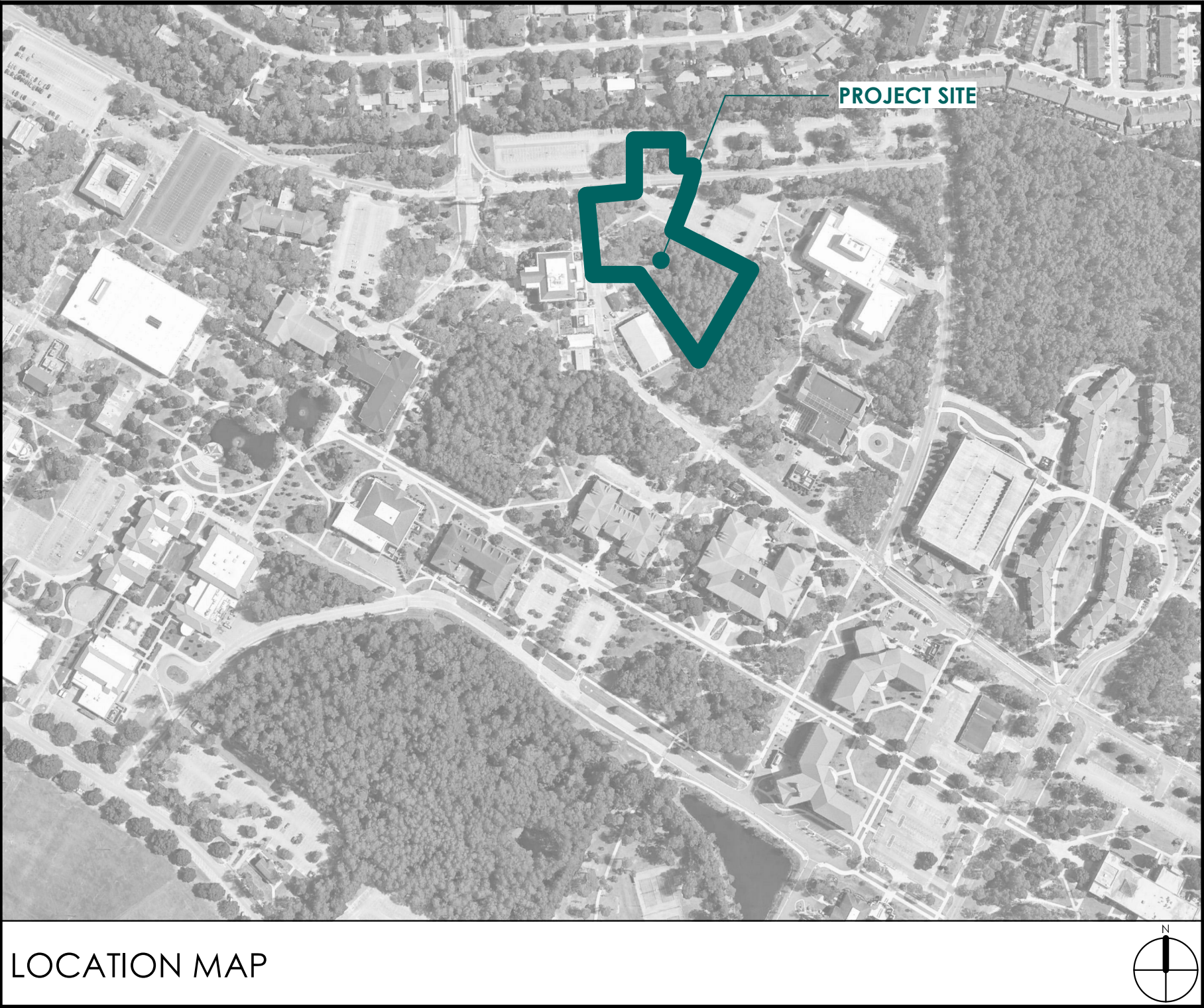
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P001 PLUMBING LEGEND, INDEX AND NOTES
P002 PLUMBING SCHEDULES
P101 FIRST FLOOR DRAINAGE PIPING PLAN
P201 FIRST FLOOR SUPPLY PIPING PLAN
P511 PLUMBING DETAILS

ELECTRICAL
E001 ELECTRICAL LEGEND AND NOTES
E010 ELECTRICAL SITE PLAN
E101 FIRST FLOOR LIGHTING PLAN
E201 FIRST FLOOR POWER PLAN
E301 FIRST FLOOR EQUIPMENT CONNECTIONS PLAN
E401 FIRST FLOOR SPECIAL SYSTEMS PLAN
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E501 ENLARGED ELECTRICAL PLANS
E601 ELECTRICAL DETAILS
E602 ELECTRICAL DETAILS
E603 ELECTRICAL DETAILS
E604 ELECTRICAL DETAILS
E701 ELECTRICAL DIAGRAMS
E803 LIGHTING & MECHANICAL SCHEDULES

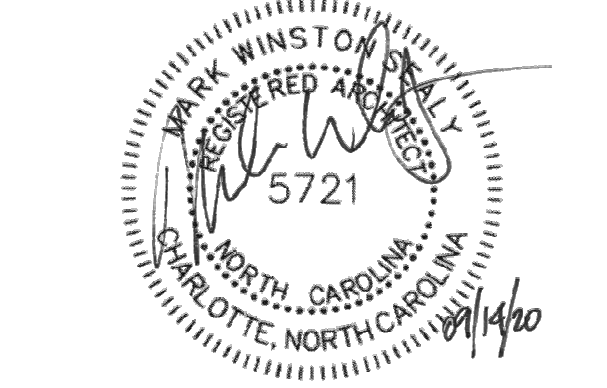
FIRE PROTECTION
FP001 FIRE PROTECTION LEGEND AND NOTES
FP101 FIRST FLOOR FIRE PROTECTION PLAN
FP501 FIRE PROTECTION DETAILS AND SCHEMATICS

TELECOMMUNICATIONS
TC001 TECHNOLOGY LEGEND AND NOTES
TC201 FIRST FLOOR TECHNOLOGY PLAN
TC501 TECHNOLOGY DETAILS



SGA
NarmourWright
DESIGN

1815 S. Tryon St. Suite A
Charlotte, NC 28203
p 704.332.5668
www.sganwdesign.com



CONSTRUCTION DOCUMENTS

Revision Schedule		
#	Description	Date
1	Addendum 1	10/7/20

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SCO PROJECT NUMBER: 20-21673-01

CODE: 41928

ITEM: 302

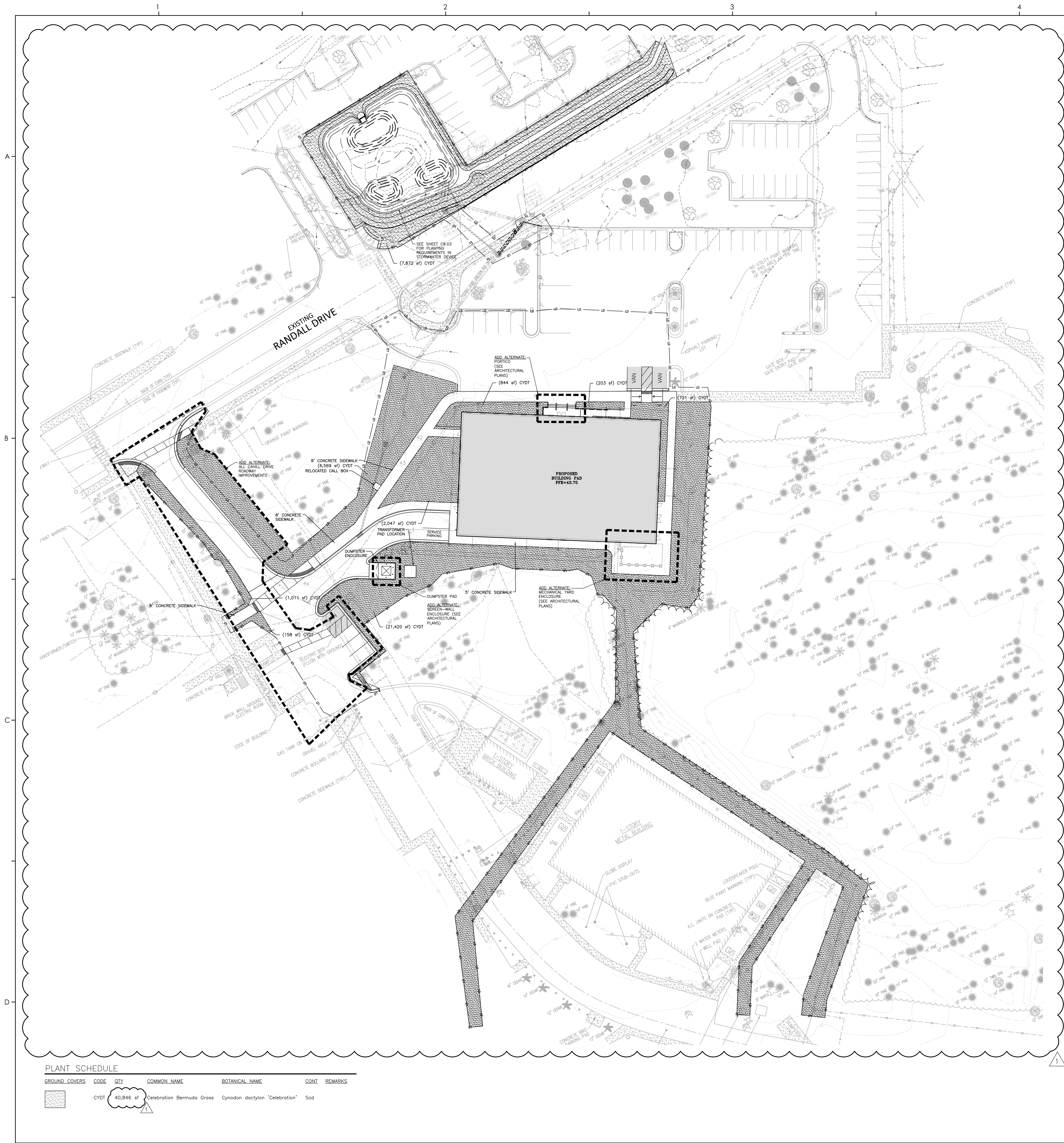
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DESIGNED BY: AT
DRAWN BY: AT
CHECKED BY: MS

ISSUE DATE:
October 7, 2020

COVER SHEET

G000



LANDSCAPE NOTES

1. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF WILMINGTON AND THE STATE OF NORTH CAROLINA STANDARDS AND SPECIFICATIONS.
2. CONTRACTOR IS RESPONSIBLE FOR THE SITE INSPECTION BEFORE LANDSCAPE CONSTRUCTION AND INSTALLATION IN ORDER TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS.
3. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES BEFORE BEGINNING DEMOLITION OR INSTALLATION.
4. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES BETWEEN THE NOTES, SPECIFICATIONS, DRAWINGS OR SITE CONDITIONS FOR RESOLUTION PRIOR TO INSTALLATION.
5. ANY DAMAGE TO UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
6. THIS PLAN IS FOR PLANTING PURPOSES ONLY. FOR INFORMATION REGARDING BUILDINGS, GRADING, WALLS, ETC., REFER TO ARCHITECTURE, SITE AND GRADING PLANS.
7. VERIFICATION OF TOTAL PLANT QUANTITIES AS SHOWN IN THE PLANT SCHEDULE SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT.
8. CONTRACTOR TO ENSURE PROPER STABILIZATION AND SEEDING OF THE SITE IN ACCORDANCE WITH APPLICABLE REGULATIONS.
9. LANDSCAPE MATERIAL SHALL BE WELL FORMED, VIGOROUS, GROWING SPECIMENS WITH GROWTH TYPICAL OF VARIETIES SPECIFIED AND SHALL BE FREE FROM DAMAGE, INSECTS AND DISEASES. MATERIAL SHALL EQUAL OR SURPASS #1 QUALITY AS DEFINED IN THE CURRENT ISSUE OF "AMERICAN STANDARD FOR NURSERY STOCK" AS PUBLISHED BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION.
10. ALL PLANT MATERIAL IS TO BE CAREFULLY HANDLED BY THE ROOT BALL, NOT THE TRUNK, BRANCHES AND/OR FOLIAGE OF THE PLANT. MISHANDLED PLANT MATERIAL MAY BE REJECTED BY THE LANDSCAPE ARCHITECT.
11. ALL PLANT MATERIAL IS TO BE WELL ROOTED, NOT ROOT BOUND, SUCH THAT THE ROOT BALL REMAINS INTACT THROUGHOUT THE PLANTING PROCESS. DEFICIENT PLANT MATERIAL MAY BE REJECTED BY THE LANDSCAPE ARCHITECT OR OWNER.
12. ALL PLANTS TO BE A MINIMUM OF WHAT IS SPECIFIED IN THE PLANT SCHEDULE. ANY CHANGES OR SUBSTITUTIONS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT AND GOVERNING JURISDICTION PRIOR TO ANY HOLE BEING DUG.
13. CONTRACTOR TO COORDINATE WITH OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT TO ESTABLISH THE EXTENTS OF MULCH/SEED/SOD IF NOT SPECIFICALLY SHOWN ON PLANS.
14. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE IN ALL PLANTING AREAS.
15. PROPOSED TREES TO BE PLANTED A MINIMUM 15 FEET FROM ANY LIGHT POLE AS MEASURED FROM TRUNK OF THE TREE TO THE POLE.
16. PROPOSED TREES TO BE PLANTED A MINIMUM 5 FEET FROM ANY FIRE HYDRANT AS MEASURED FROM TRUNK OF THE TREE TO THE HYDRANT.
17. CONTRACTOR SHALL COMPLETE SOIL TEST IN ALL PLANTING AREAS TO DETERMINE SOIL AMENDMENT REQUIREMENTS UNLESS WAIVED BY OWNER'S REPRESENTATIVE. CONTRACTOR SHALL BASED UPON THE SOIL TEST RESULTS.
18. TOPSOIL SHALL BE FREE OF MATERIAL LARGER THAN 1.0 INCH IN DIAMETER OR LENGTH AND SHALL NOT CONTAIN SLAG, CINDERS, STONES, LUMPS OF SOIL, STICKS, ROOTS, TRASH, OR OTHER EXTRANEOUS MATERIAL.
19. LOOSEN SUBGRADE / SURFACE SOIL TO A MINIMUM DEPTH OF 6 INCHES. APPLY SOIL AMENDMENTS AND FERTILIZERS AS REQUIRED BY THE SOIL TEST RESULTS TO ACHIEVE A HEALTHY GROWING MEDIA AND MIX THOROUGHLY INTO TOP 4 INCHES OF SOIL. SPREAD PLANTING SOIL MIX TO A DEPTH OF 6 INCHES BUT NOT LESS THAN REQUIRED TO MEET FINISH GRADES AFTER NATURAL SETTLEMENT. DO NOT SPREAD IF PLANTING SOIL OR SUBGRADE IS FROZEN, MUDDY, OR EXCESSIVELY WET.
20. IF IMPORTED TOPSOIL IS REQUIRED, THE SUBGRADE SHALL BE SCARIFIED OR TILLED TO A DEPTH OF AT LEAST 6 INCHES PRIOR TO INSTALLATION OF IMPORTED TOPSOIL. FOLLOWING INSTALLATION OF IMPORTED TOPSOIL, THE TOPSOIL SHALL BE TILLED TO INTEGRATE THE SOIL PROFILES.
21. PLANT MATERIALS ARE TO BE GUARANTEED FOR A PERIOD OF 12 MONTHS. PLANT MATERIALS WHICH REMAIN UNHEALTHY WILL BE REPLACED BY THE LANDSCAPE CONTRACTOR BEFORE THE EXPIRATION OF THE GUARANTEE PERIOD OR IMMEDIATELY IF SO DIRECTED BY THE OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT.
22. ALL TREE PLANTINGS SHALL BE MULCHED TO A DEPTH OF 3 INCHES, AND WITH A MINIMUM 3 FOOT RADIUS FROM BASE OF TREE OR TO DRUPINE. MULCH SHALL BE FREE OF TRASH AND MAINTAINED WEED FREE. MULCH SHALL NOT COVER THE ROOT FLARE. CONFIRM MULCH SPECIFICATIONS WITH OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT.
23. DO NOT PRUNE TREES AND SHRUBS BEFORE DELIVERY. PROTECT BARK, BRANCHES, AND ROOT SYSTEMS FROM SUN SCALD, DRYING, SWEATING, WHIPPING, AND OTHER HANGING AND TYING DAMAGE. DO NOT BEND OR BIND-TIE TREES OR SHRUBS IN SUCH A MANNER AS TO DESTROY THEIR NATURAL SHAPE. PROVIDE PROTECTIVE COVERING OF EXTERIOR PLANTS DURING DELIVERY. DO NOT DROP EXTERIOR PLANTS DURING DELIVERY AND HANDLING.
24. DELIVER EXTERIOR PLANTS AFTER PREPARATIONS FOR PLANTING HAVE BEEN COMPLETED AND INSTALL IMMEDIATELY. IMMEDIATELY AFTER UNLOADING, STAND THE TREES UP TO REDUCE THE RISK OF SUN SCALD. PROPERLY STAGED TREES ARE STANDING, UNITED AND SPACED. UNLESS IMMEDIATELY INSTALLED, SET EXTERIOR PLANTS AND TREES IN SHADE, PROTECT FROM WEATHER AND MECHANICAL DAMAGE, AND KEEP ROOTS MOIST.
25. SEE LANDSCAPE DETAILS FOR TREE STAKING REQUIREMENTS.
26. EXCAVATE EDGES OF ALL PLANTING BEDS TO 2 INCH DEPTH TO FORM A NEAT AND CRISP DEFINITION.
27. CONTRACTOR SHALL REMOVE DEBRIS AND FINE GRADE ALL PLANTING AREAS PRIOR TO INSTALLATION.
28. REMOVE GUY WIRES AND STAKES AT END OF WARRANTY PERIOD OR ESTABLISHMENT.
29. FINISH GRADING: GRADE PLANTING AREAS TO A SMOOTH, UNIFORM SURFACE PLANE WITH LOOSE, UNIFORMLY FINE TEXTURE. GRADE TO WITHIN PLUS OR MINUS 1/2 INCH OF FINISH ELEVATION. ROLL AND RAKE, REMOVE RIDGES, AND FILL DEPRESSIONS TO MEET FINISH GRADES. LIMIT FINISHED GRADING TO AREAS THAT CAN BE PLANTED IN THE IMMEDIATE FUTURE.

PERMANENT SODDING SCHEDULE:

SEEDING DATE: AUG 25 - OCT (BEST) FEB - APR 15 (POSSIBLE)	SOD MIXTURE: LOCALLY GROWN MIN. 3 VARIETIES OF KENTUCKY BLUEGRASS AND FESCUE	PAD SIZES: MIN. 48 INCHES x 30 INCHES MAX. 5% DEVIATION IN SIZE BROKEN PADS UNACCEPTABLE
PRODUCT: PROVIDE STRONGLY ROOTED SOD, FREE OF WEEDS AND UNDERSIRABLE NATIVE GRASSES. MACHINE CUT TO PAD THICKNESS OF 3/4 INCH, EXCLUDING TOP GROWTH AND THATCH. SOD SHALL BE HEALTHY AND GREEN WITH NO DEAD OR DISCOLORED SPOTS LARGER THAN 6".		
SUBMITTALS: SUBMIT DATA FOR SOD AND SOURCE.		
DELIVERY, STORAGE, HANDLING: DELIVER SOD ON PALLETS IN ROLLS. DO NOT DELIVER MORE SOD THAN CAN BE LAID WITH 24 HOURS.		
SOIL AMENDMENTS: FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 4,000 LB/AC GROUND AGRICULTURE LIMESTONE AND 1000 LB/AC 10-10-10 FERTILIZER.		
MAINTENANCE: INSPECT AND REPAIR SOD AS NEEDED. REFERTILIZE IN LATE WINTER OF THE FOLLOWING YEAR; USE SOIL TESTS OR APPLY 150 LB/AC 10-10-10 FERTILIZER. MOW REGULARLY TO A HEIGHT OF 2-4 INCHES.		

PERMANENT SODDING INSTALLATION:

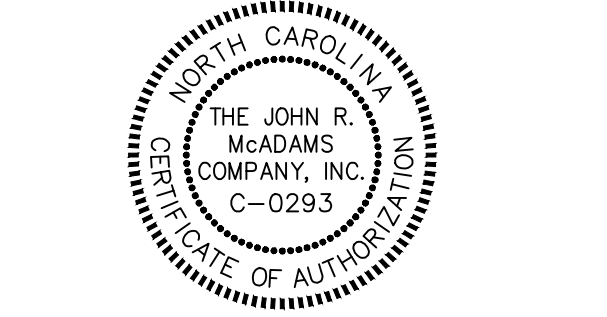
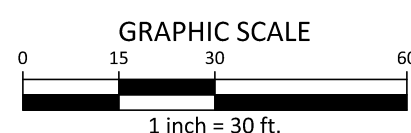
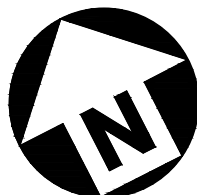
- EXAMINATION AND PREPARATION**
1. INSTALLER TO EXAMINE AREAS TO RECEIVE PERMANENT SEEDING FOR COMPLIANCE WITH REQUIREMENTS AND CONDITIONS AFFECTING INSTALLATION AND PERFORMANCE. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
 2. REFER TO CIVIL DRAWINGS FOR EROSION AND SEDIMENT CONTROL MEASURES.
- SOD BED ESTABLISHMENT**
1. VERIFY SITE GRADING PRIOR TO INSTALLATION. ELIMINATE UNEVEN AREAS AND LOW SPOTS AND ENSURE POSITIVE DRAINAGE.
 2. LOOSEN SUBGRADE TO A MINIMUM DEPTH OF 4 TO 6 INCHES. REMOVE STONES LARGER THAN 1 INCH IN ANY DIMENSION AND STICKS, ROOTS, RUBBISH AND OTHER EXTRANEOUS MATTER. APPLY TOP SOIL, FERTILIZER, LIME AND SOIL AMENDMENTS AND THOROUGHLY BLEND PLANTING SOIL MIX TO CREATE ACCEPTABLE PLANTING SOIL AS DESCRIBED THROUGH ANIA.
 3. RAKE SOIL SURFACE SMOOTH PRIOR TO SODDING. SURFACE SHALL BE REASONABLY FREE OF LARGE CLODS, STONES GREATER THAN 3/4 INCH IN THE LONGEST DIMENSION, AND OTHER MATERIAL WHICH WILL INTERFERE WITH PLANT ESTABLISHMENT.
 4. INSTALL EDGING AT PERIPHERY OF SODDED AREAS IN STRAIGHT LINES TO CONSISTENT DEPTH.
- LAYING SOD**
1. PREPARED SURFACE IMMEDIATELY PRIOR TO LAYING SOD.
 2. LAY SOD WITHIN 24 FROM TIME OF STRIPPING.
 3. LAY SOD TIGHT TO FORM A SOLID MASS WITH NO OPEN JOINTS VISIBLE AND NO STRETCHING OR OVERLAPPING. STAGGER END JOINTS 12 INCHES MINIMUM. LEAVE A 36 INCH RADIUS AROUND ALL TREE TRUNKS FOR MULCH. WORK SIFTED SOIL INTO MINOR CRACKS BETWEEN PIECES OF SOD. REMOVE EXCESS TO AVOID SMOTHERING OF ADJACENT GRASS.
 4. SOD ROLL LENGTH SHALL RUN PERPENDICULAR TO ALL SLOPE FALL LINES. PIN OR STAKE SOD STRIPS THAT ARE PLANTED ON SLOPES GREATER THAN 3:1 (33 PERCENT).
 5. SOD SHALL LAY FLUSH WITH PAVING, CURBS AND IRRIGATION HEADS AND ONE INCH BELOW THE TOP OF STEEL EDGING.
 6. WATER SOD THOROUGHLY WITH A FINE SPRAY IMMEDIATELY AFTER PLANTING.
 7. AFTER SECOND WATERING AND WHEN SOIL AND SOD ARE MOIST, ROLL SOD LIGHTLY AS SOON AS POSSIBLE AFTER ITS LAID.
 8. ADD TOPSOIL ALONG EXPOSED EDGES TO MATCH ADJACENT GRADE. FEATHER TOPSOIL OUT APPROXIMATELY ONE FOOT FROM EDGE OF SOD.
- SOD MAINTENANCE**
1. MOW GRASS AT REGULAR INTERVALS. DO NOT CUT MORE THAN 1/3 OF GRASS BLADE AT EACH MOWING. PERFORM FIRST MOWING WHEN SEEDLINGS ARE 40 PERCENT HIGHER THAN DESIRED HEIGHT.
 2. IMMEDIATELY REMOVED CLIPPINGS AFTER MOWING. DO NOT LET CLIPPINGS LAY IN CLUMPS.
 3. WATER TO PREVENT SOD AND SOIL FROM DRYING OUT.
 4. INSPECT AND REPAIR ACCORDING TO THE SOD SCHEDULE.

SITE LEGEND

—	SIGNAGE
→	TRAFFIC DIRECTIONAL ARROW
ACC	ACCESSIBLE PARKING STALL
VAN	VAN ACCESSIBLE PARKING STALL

NOTES:

1. PRIOR TO CONSTRUCTION, ANY DISCREPANCIES BETWEEN THE CONSTRUCTION PLANS, SPECIFICATIONS, AND NOTES SHALL BE BROUGHT TO THE DESIGNER'S ATTENTION IMMEDIATELY.
2. ALL PLANTING LOCATIONS SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE OWNER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.



CONSTRUCTION
DOCUMENTS

Revision Schedule		
#	Description	Date
1	ADDENDUM 1	10/06/20

Coastal Engineering
Building



University of North Carolina
Wilmington

5236 Randall Drive
Wilmington, NC 28403
SCO PROJECT NUMBER: 20-21673-01A

CODE: 41928

ITEM: 302

SGA | NW DESIGN PROJECT NUMBER:
19-202-01

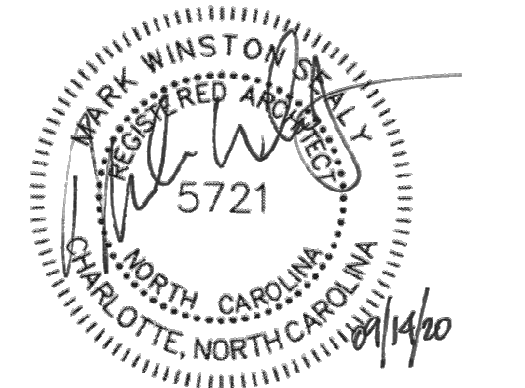
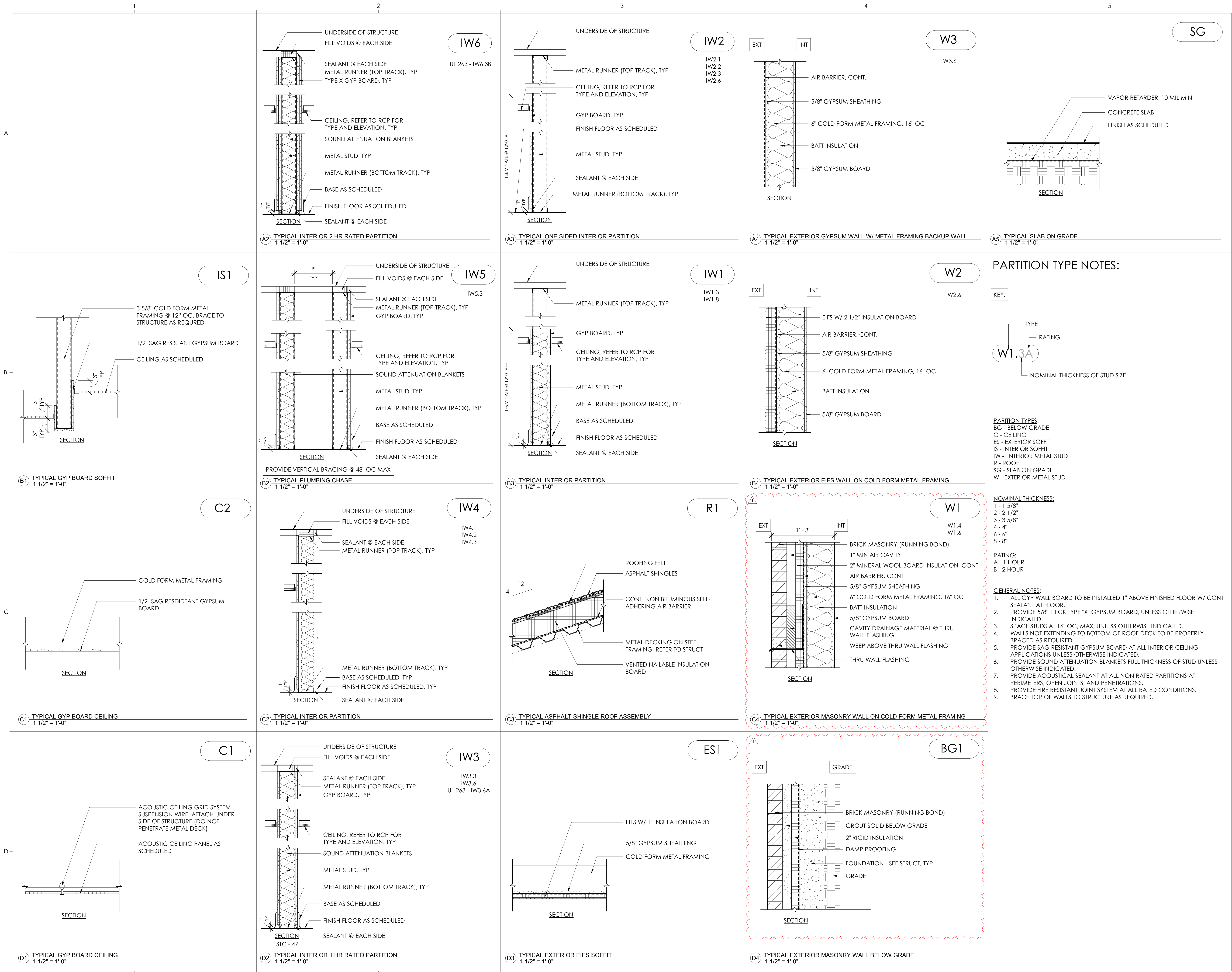
DESIGNED BY: KAS
DRAWN BY: JAA
CHECKED BY: THU

ISSUE DATE:
SEPTEMBER 14, 2020

LANDSCAPE PLAN

LS101

SCALE:



CONSTRUCTION DOCUMENTS

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1	Addendum 1	10/7/20

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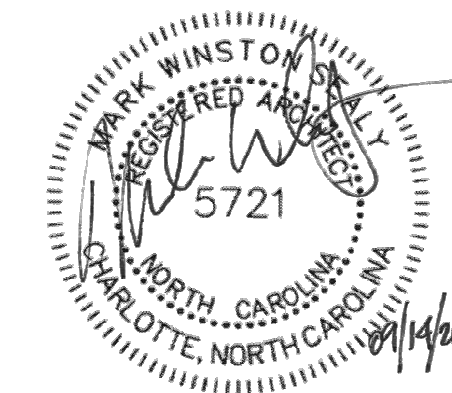
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TYPICAL EXTERIOR AND INTERIOR PARTITIONS

A002

SCALE: As Indicated



KEY PLAN



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1	Addendum 1	10/7/20



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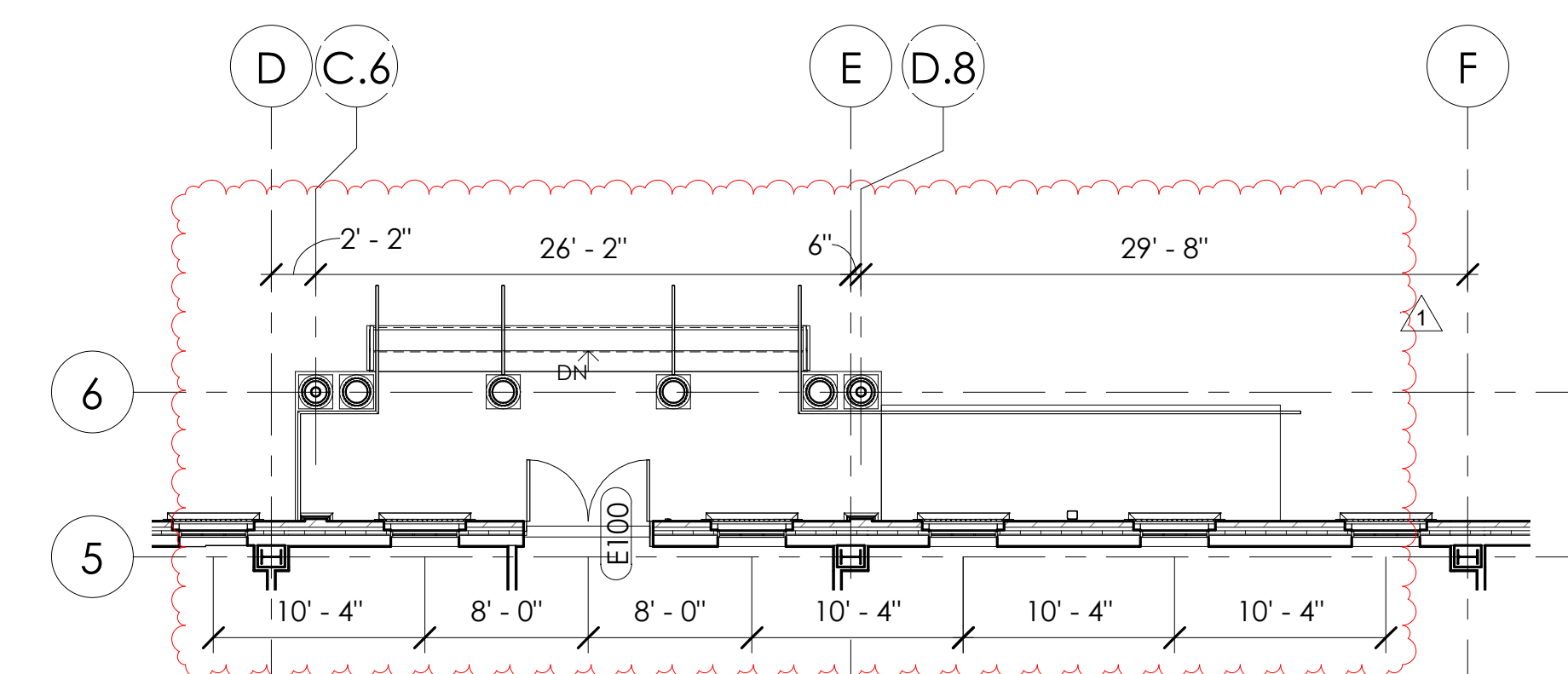
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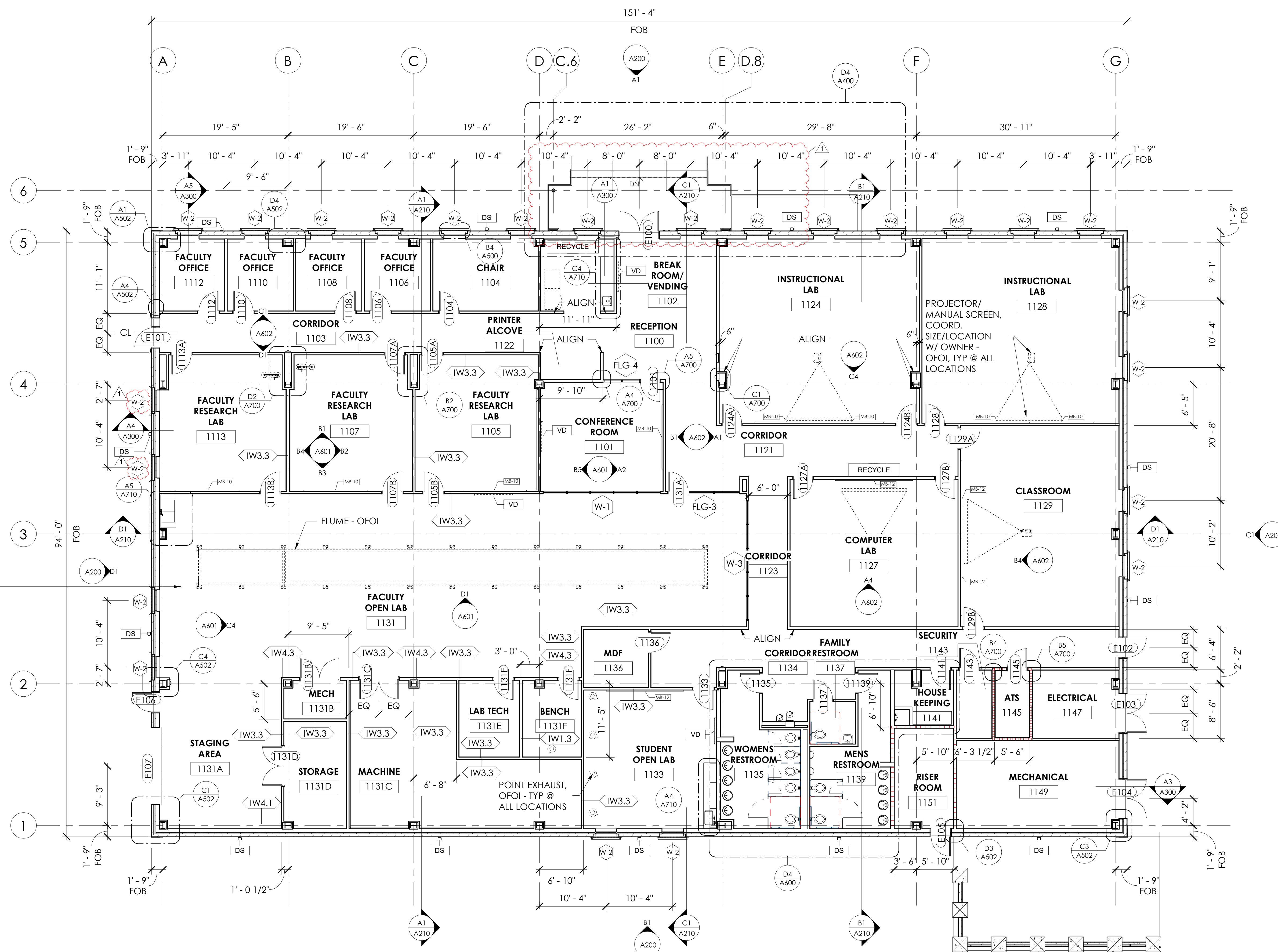
ISSUE DATE:
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A101

SCALE: As indicated



1 ALTERNATE 6 - PORTICO ENTRANCE
1/8" = 1'-0"

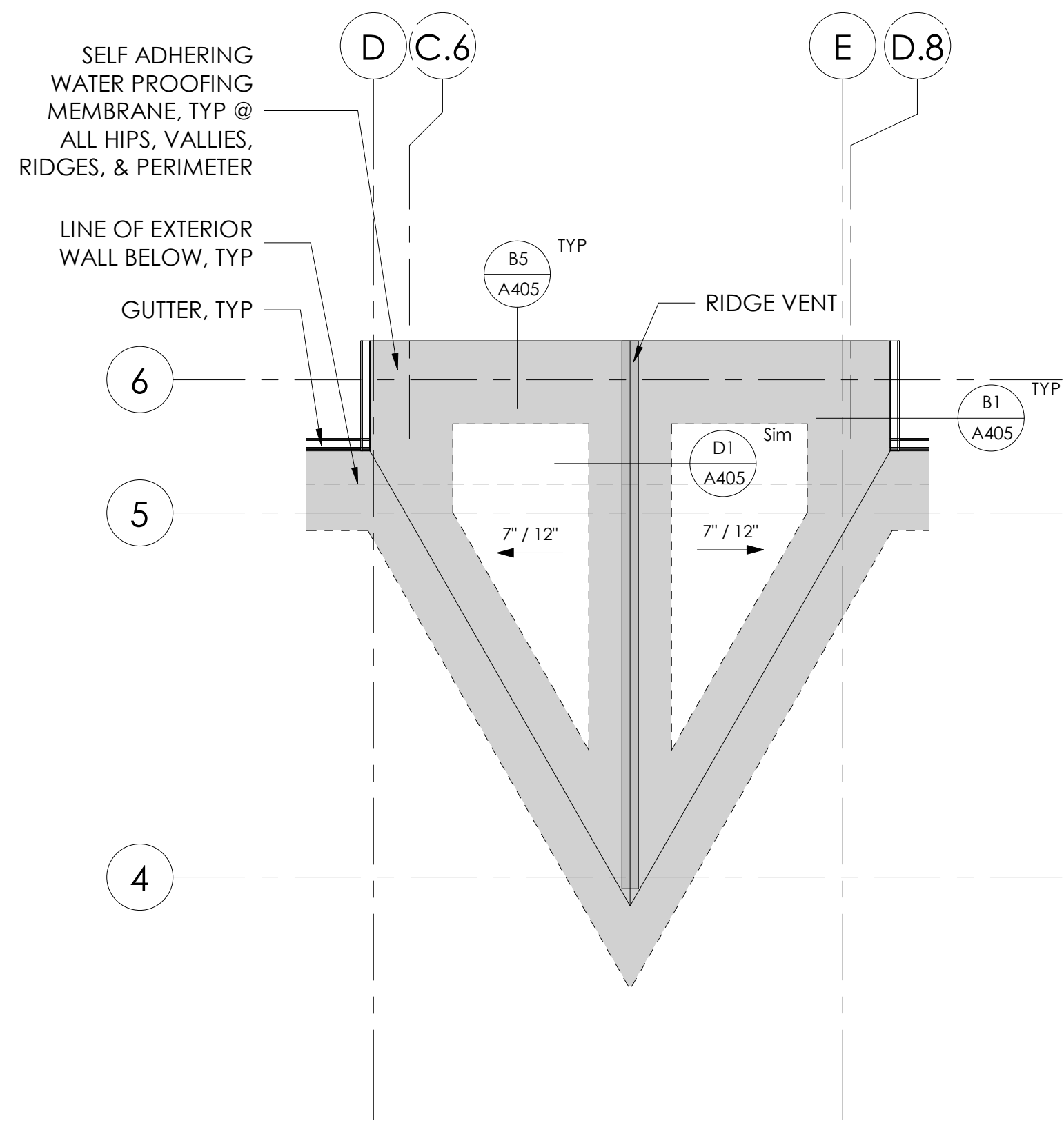
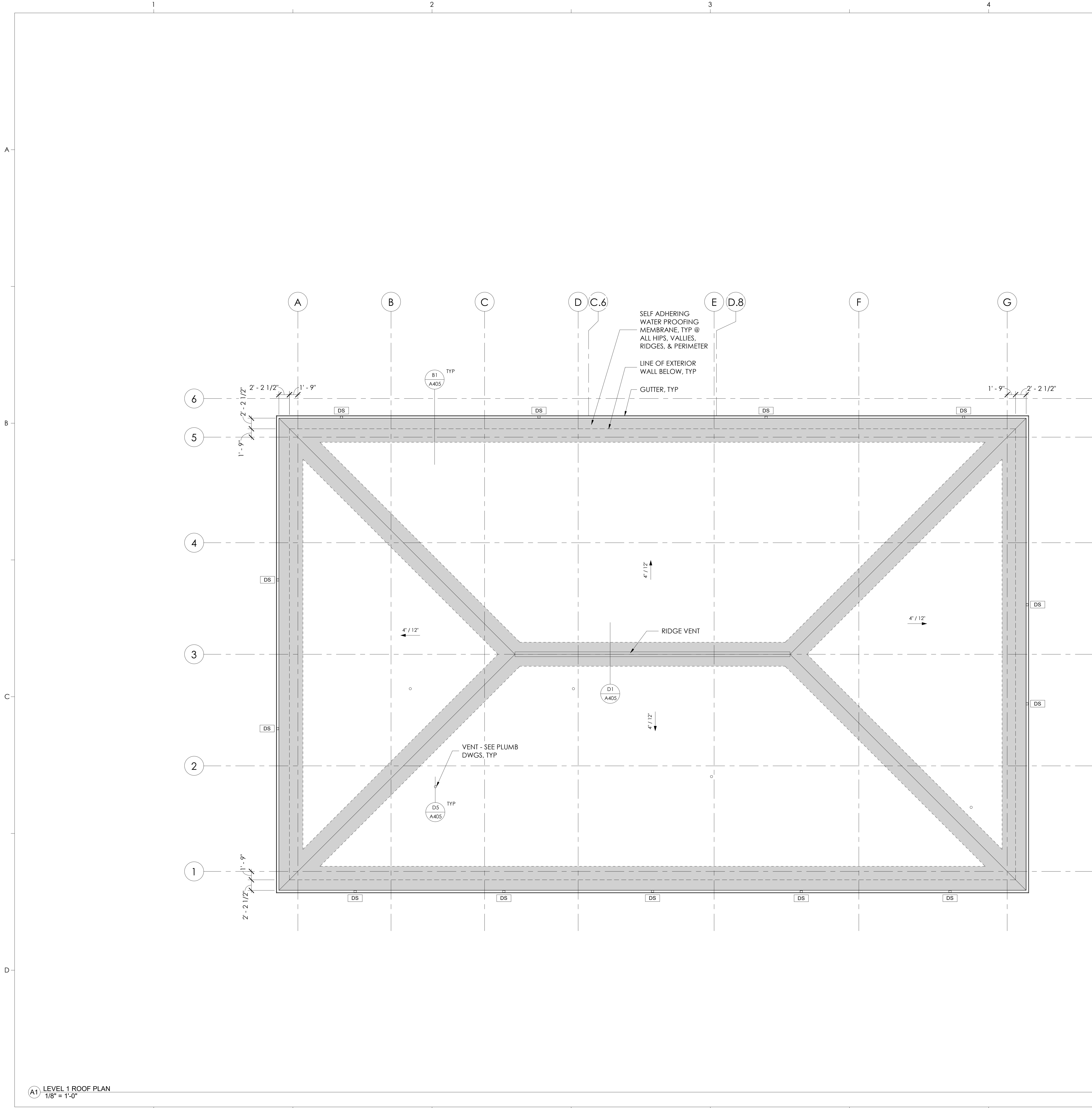


1/8" = 1'-0"

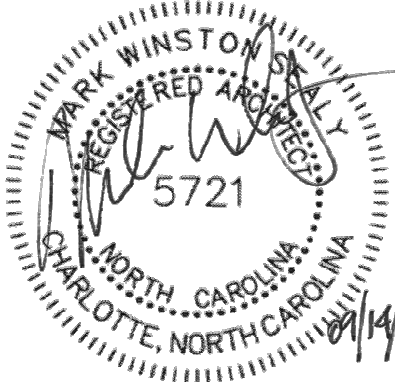
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SCALE IN FEET

A1 LEVEL 1 FLOOR PLAN
1/8" = 1'-0"



A5 LEVEL 1 ROOF PLAN - ADD ALT 6
1/8" = 1'-0"



PROJECT NORTH

PLAN NORTH



KEY PLAN

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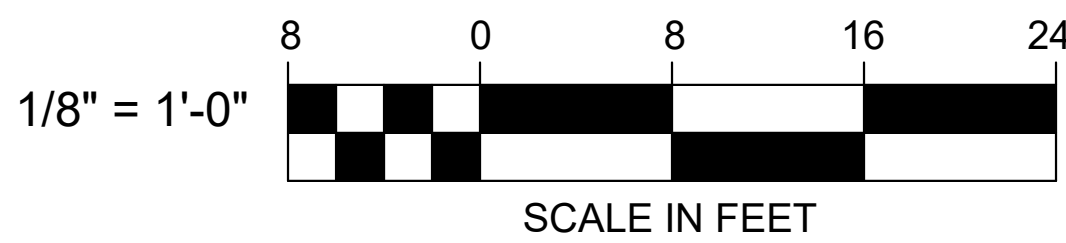
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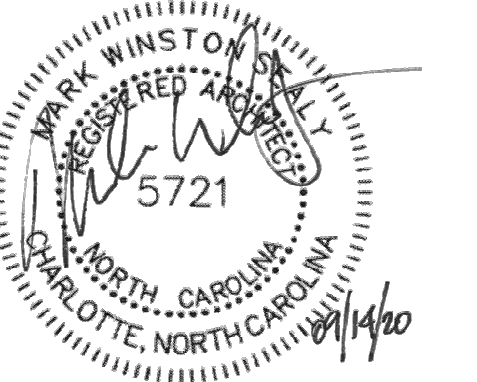
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ROOF PLAN

A102

SCALE: 1/8" = 1'-0"





PROJECT NORTH
PLAN NORTH
KEY PLAN

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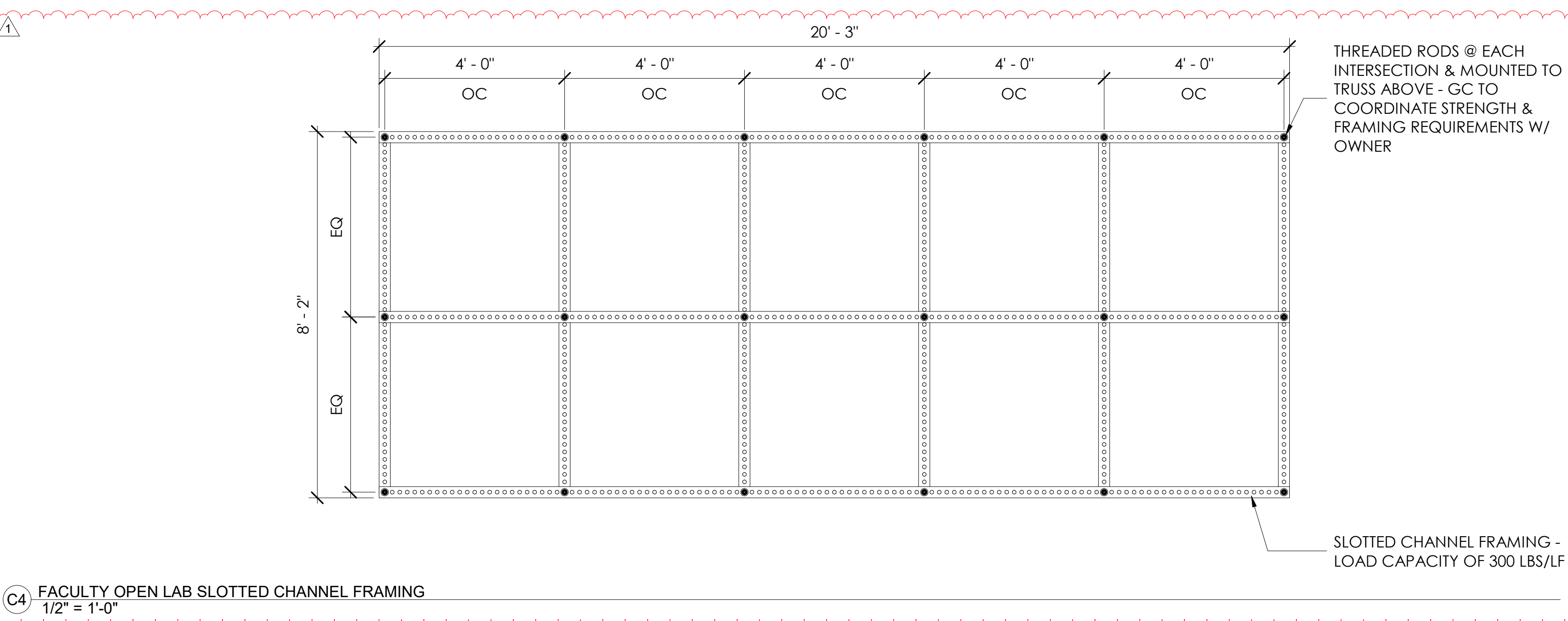
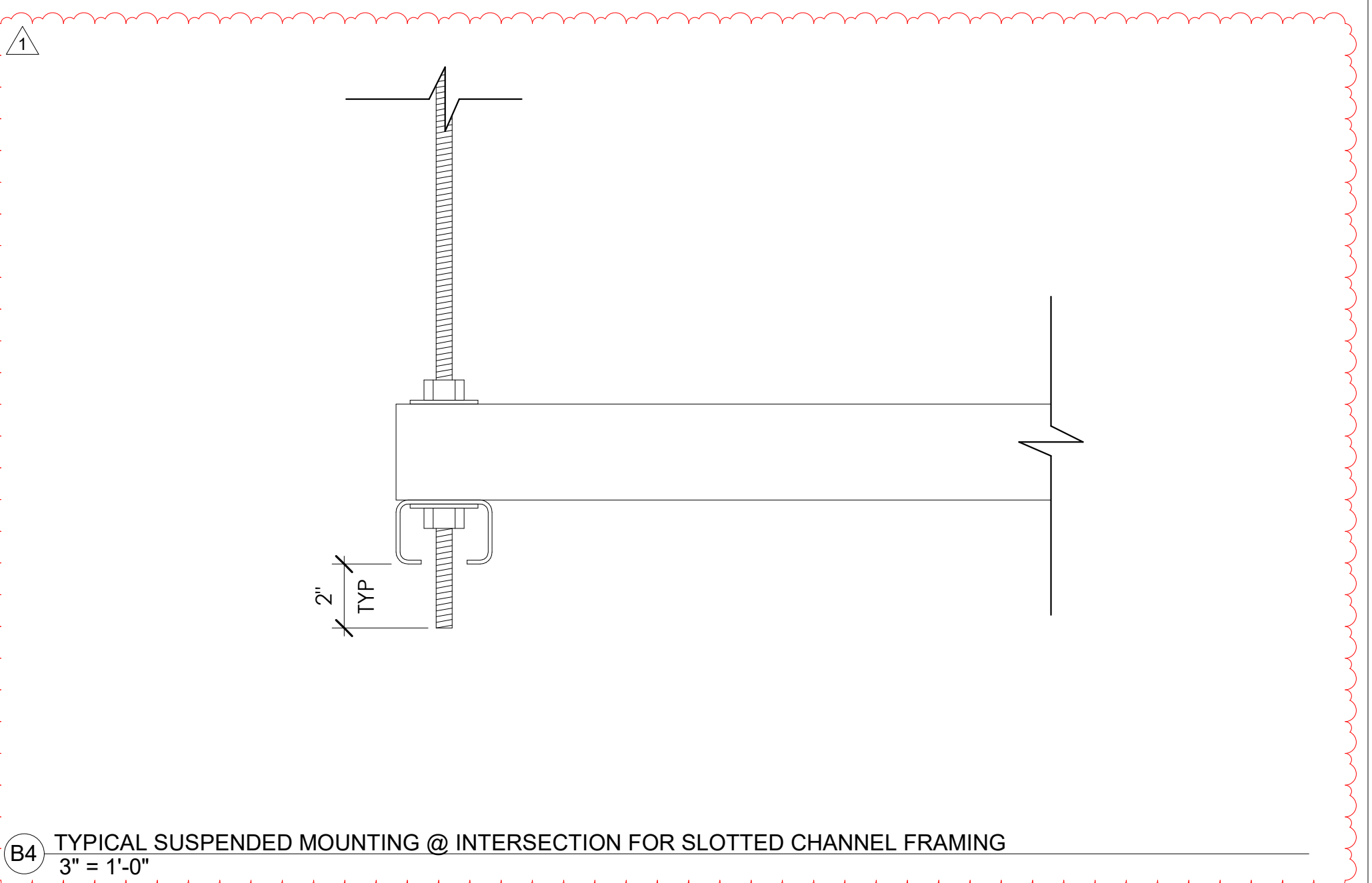
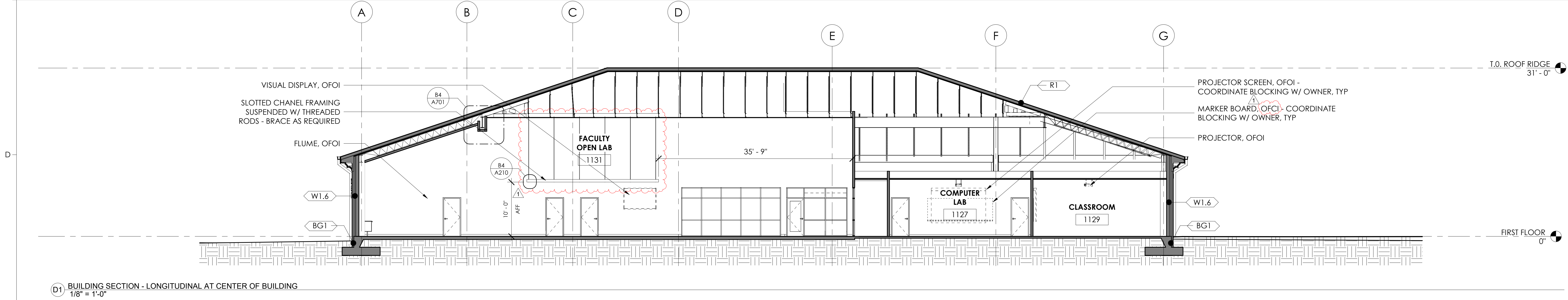
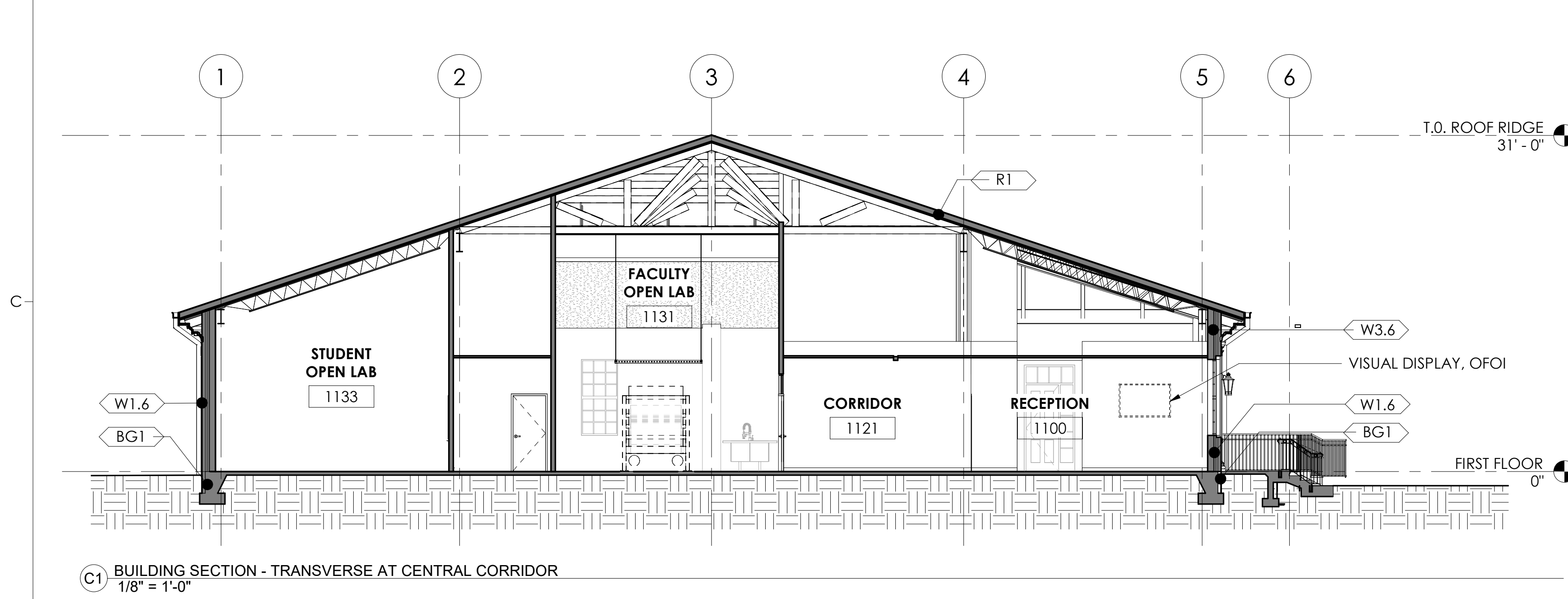
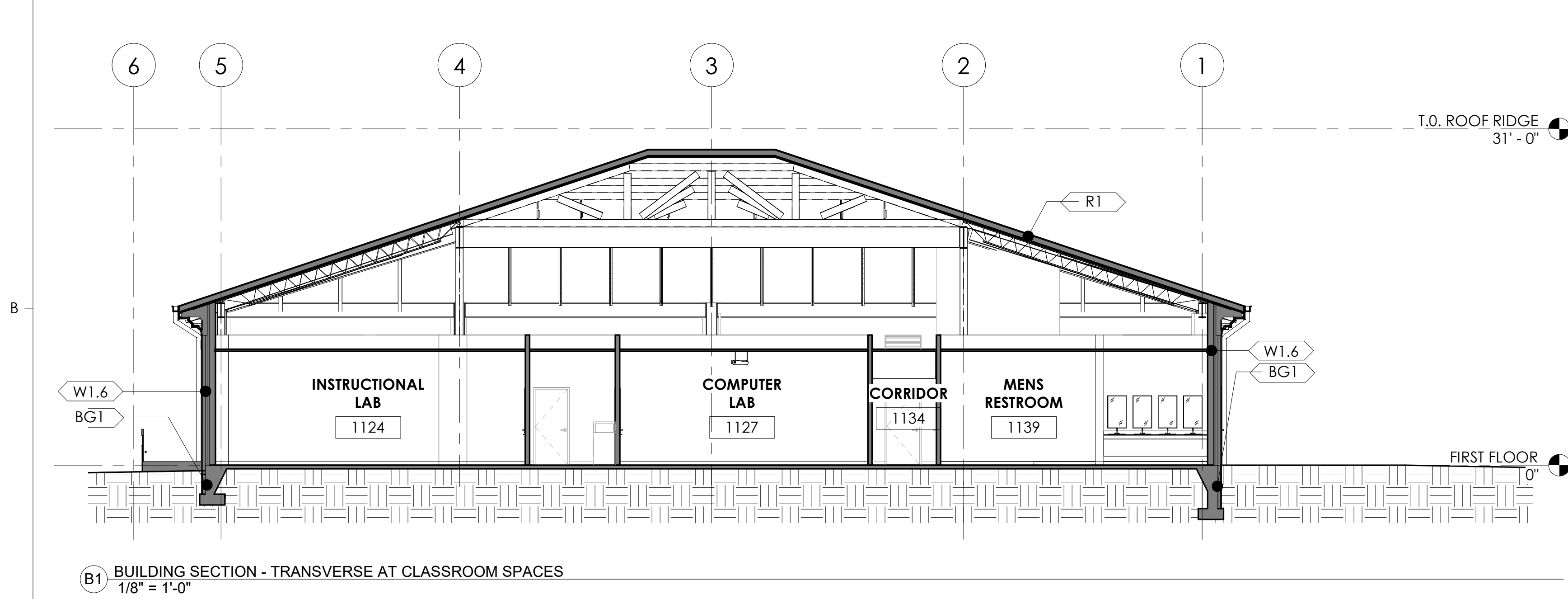
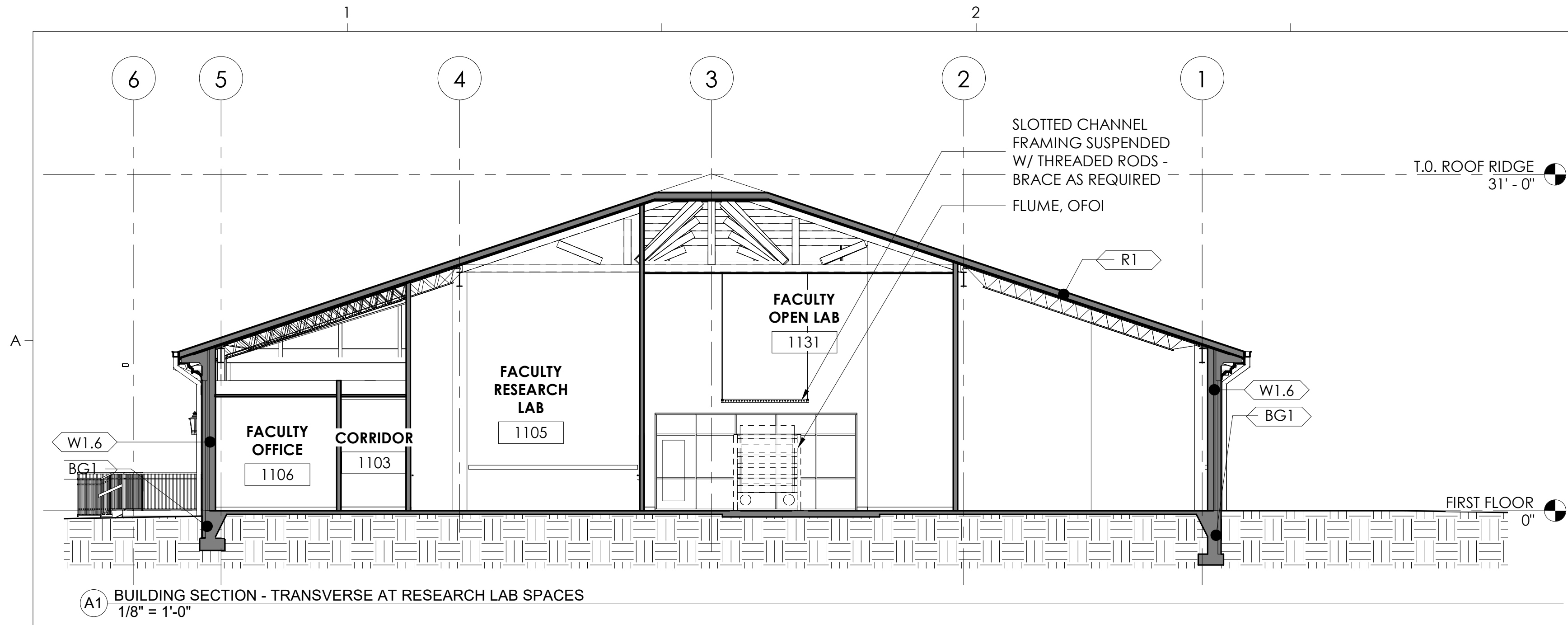
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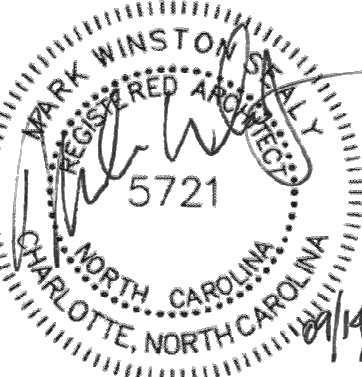
ISSUE DATE:
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BUILDING SECTIONS

A210

SCALE: As indicated





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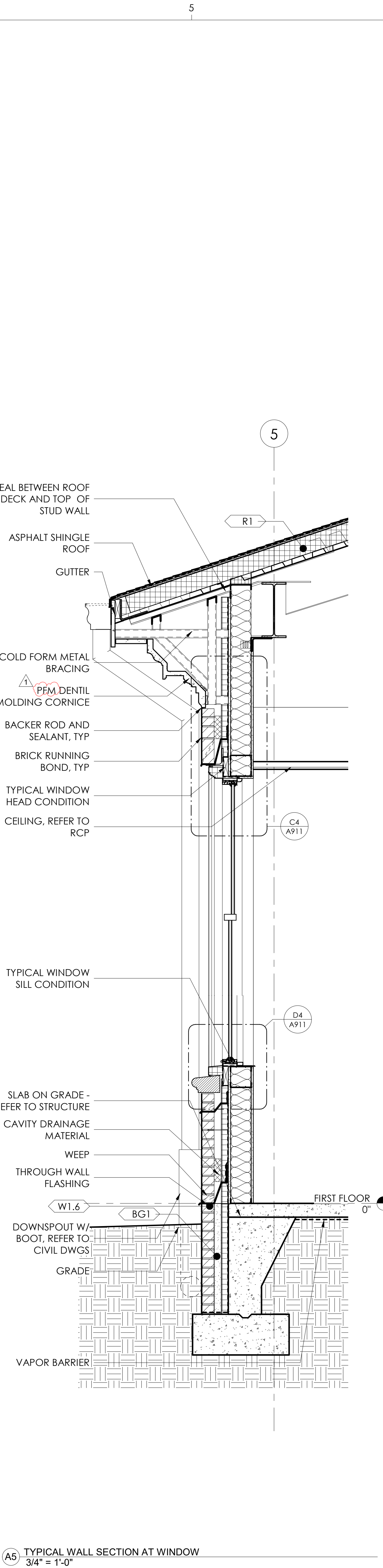
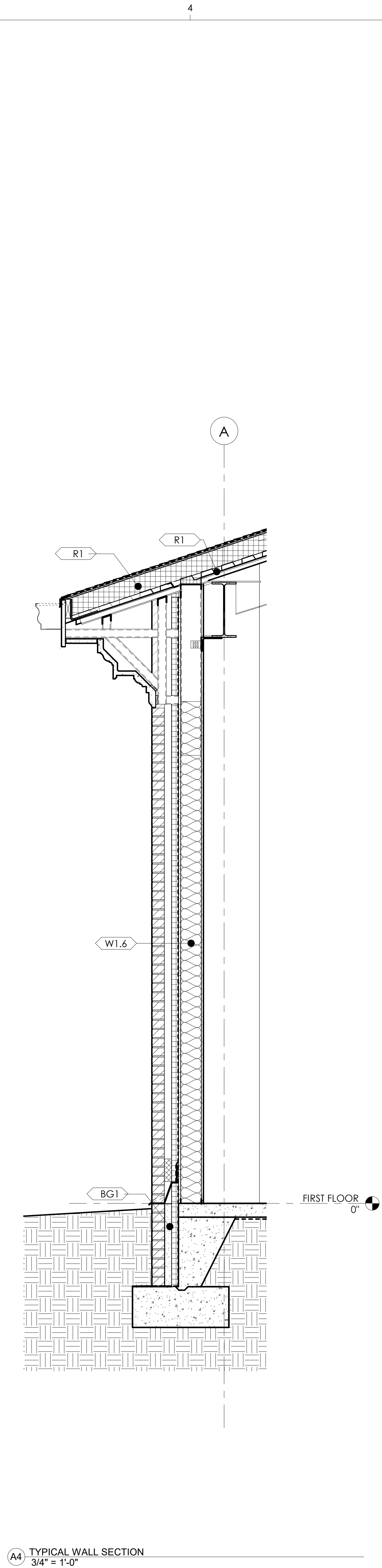
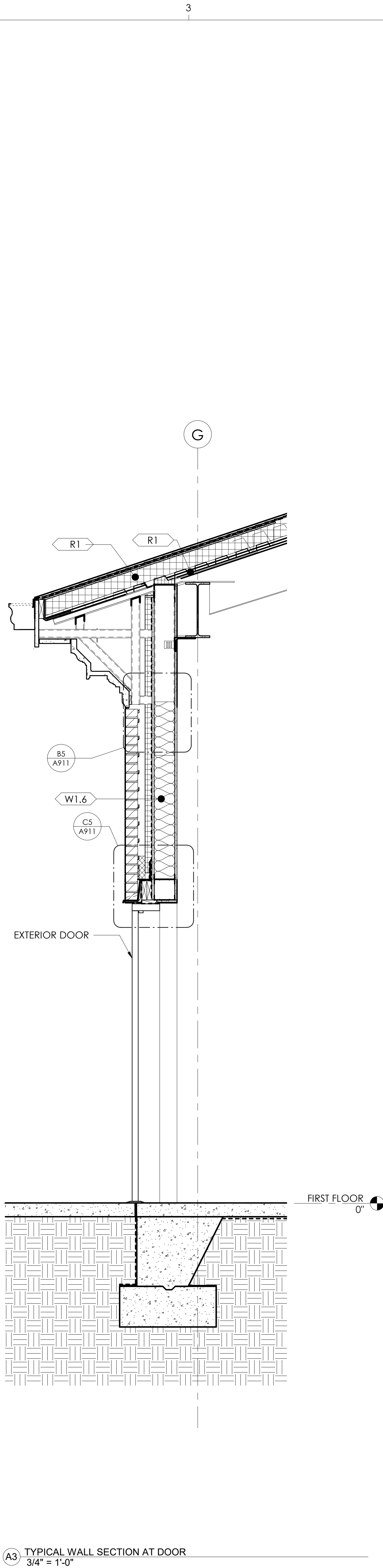
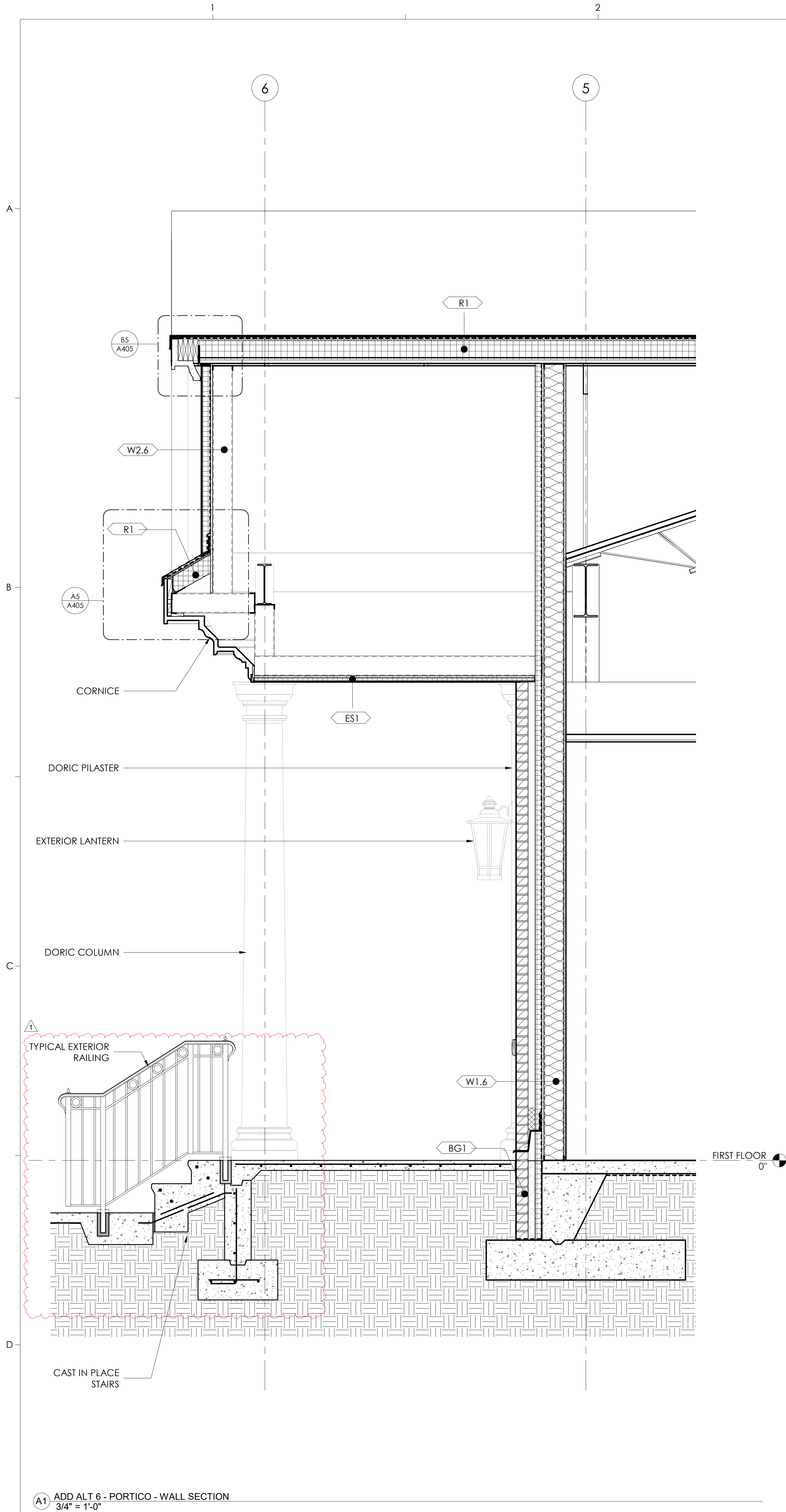
DESIGNED BY: AT
DRAWN BY: AT
CHECKED BY: MS

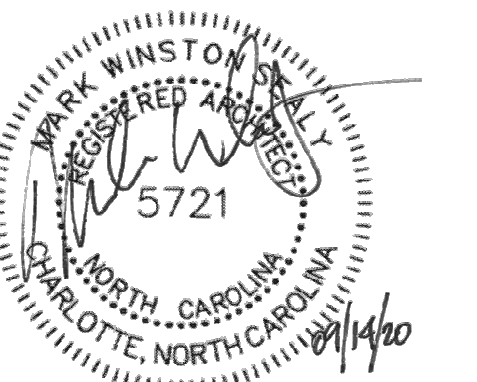
ISSUE DATE:
October 7, 2020

WALL SECTIONS

A300

SCALE: 3/4" = 1'-0"





PROJECT NORTH
PLAN NORTH
KEY PLAN

CONSTRUCTION
DOCUMENTS

Revision Schedule		
#	Description	Date
1	Addendum 1	10/7/20

Coastal Engineering
Building



University of North Carolina
Wilmington

5236 Randall Drive
Wilmington, NC 28403
SCO PROJECT NUMBER: 20-21673-01A

CODE: 41928

ITEM: 302

SGA | NW DESIGN PROJECT NUMBER:
19-202-01

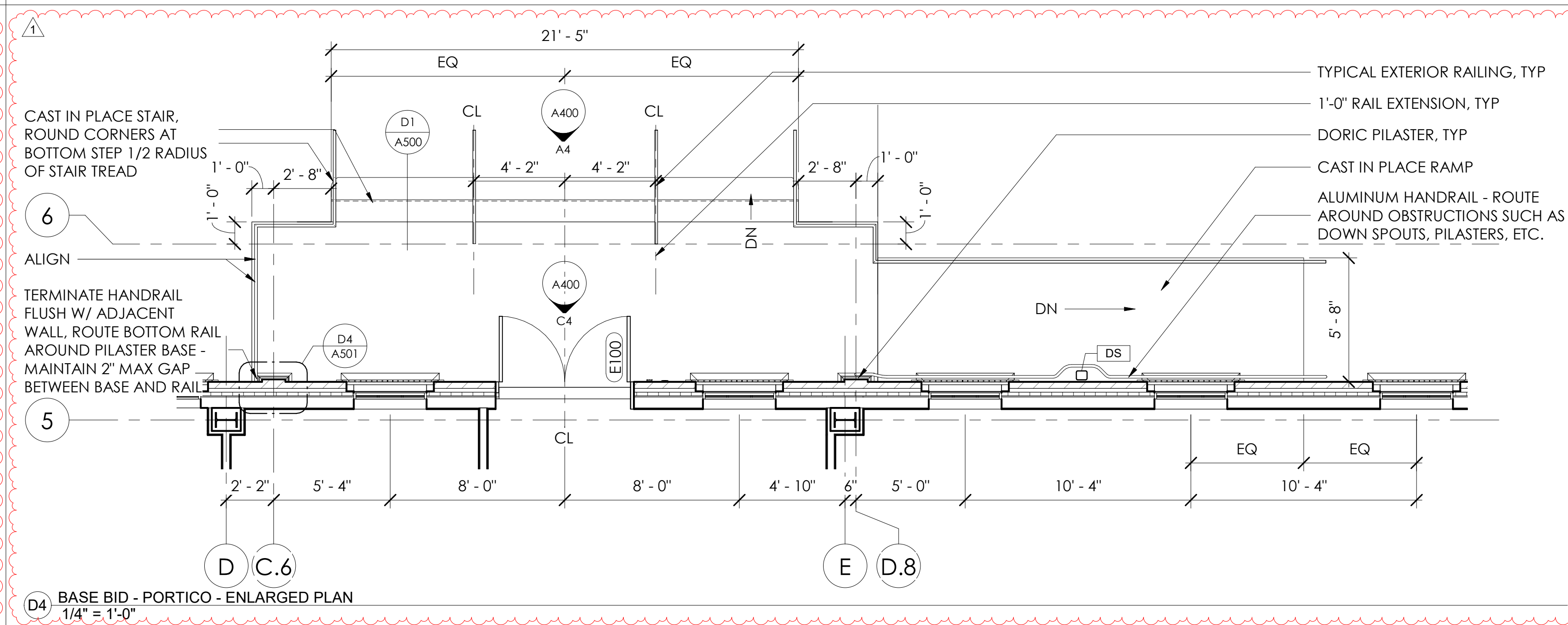
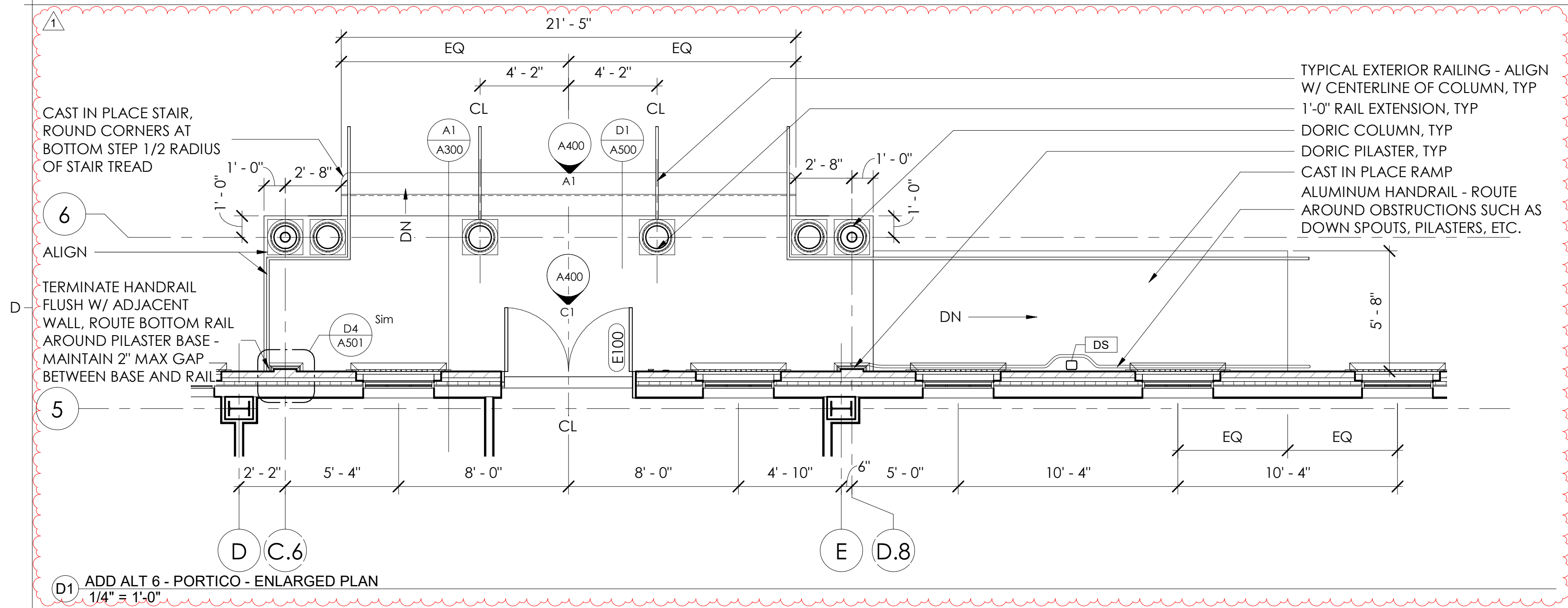
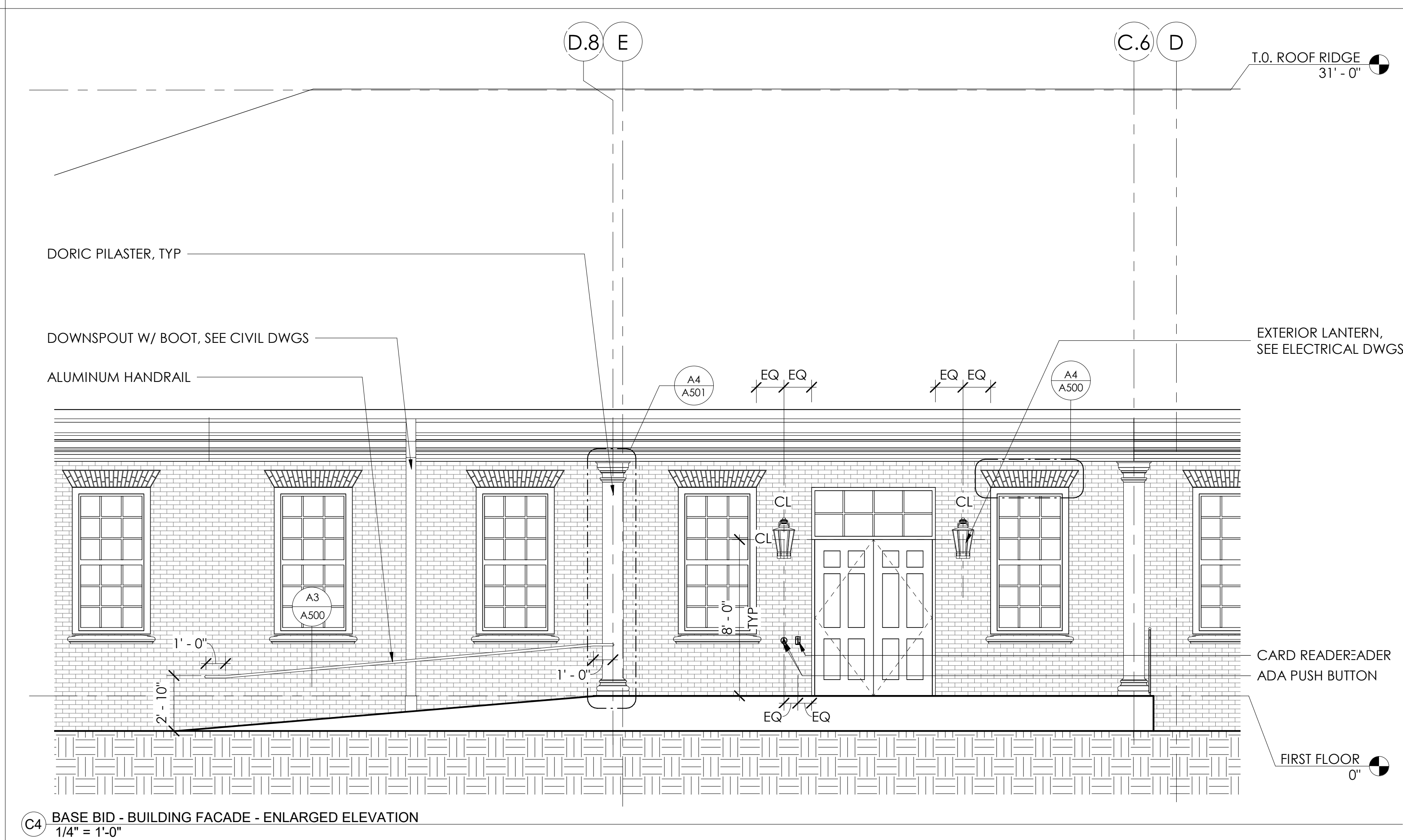
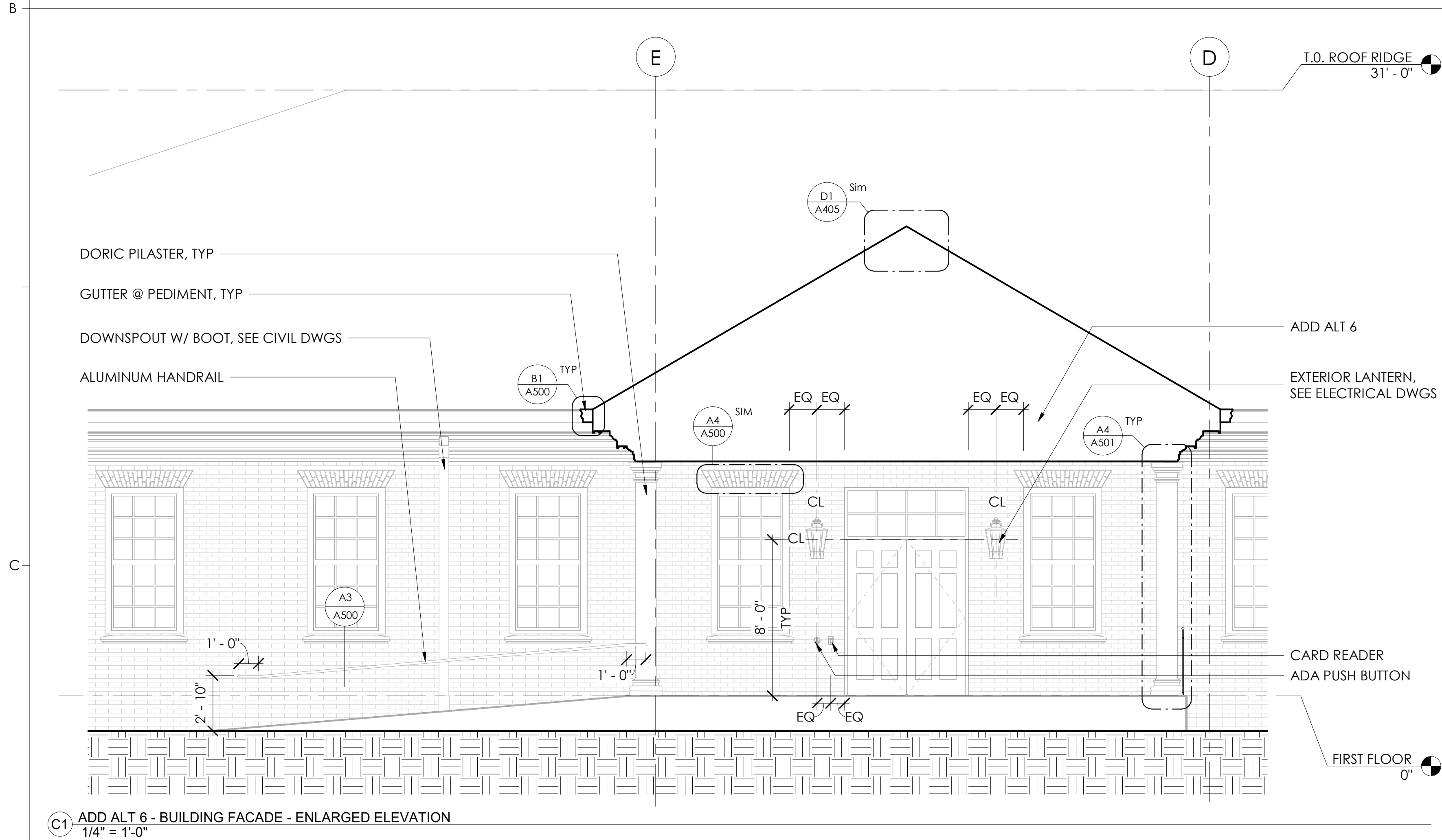
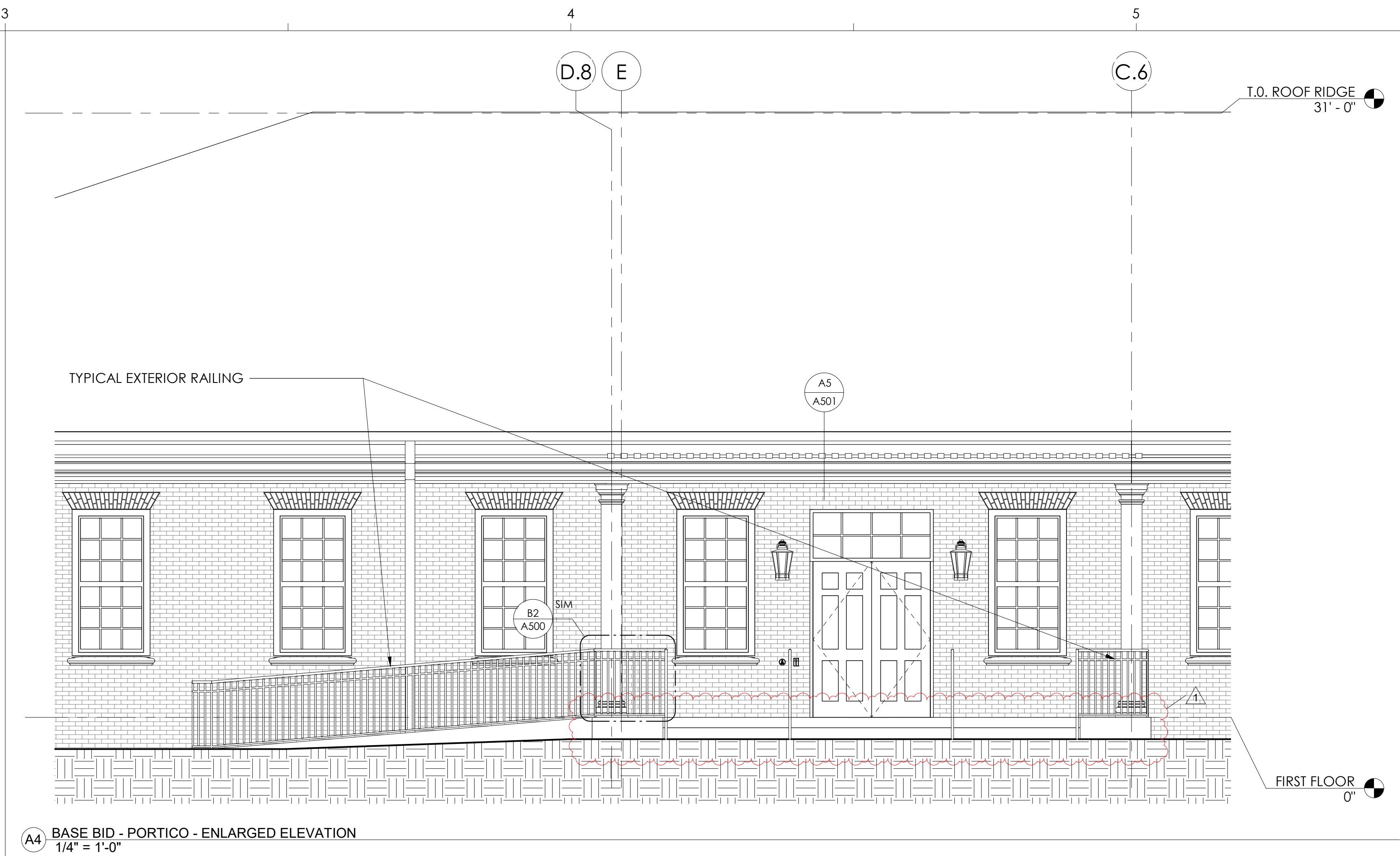
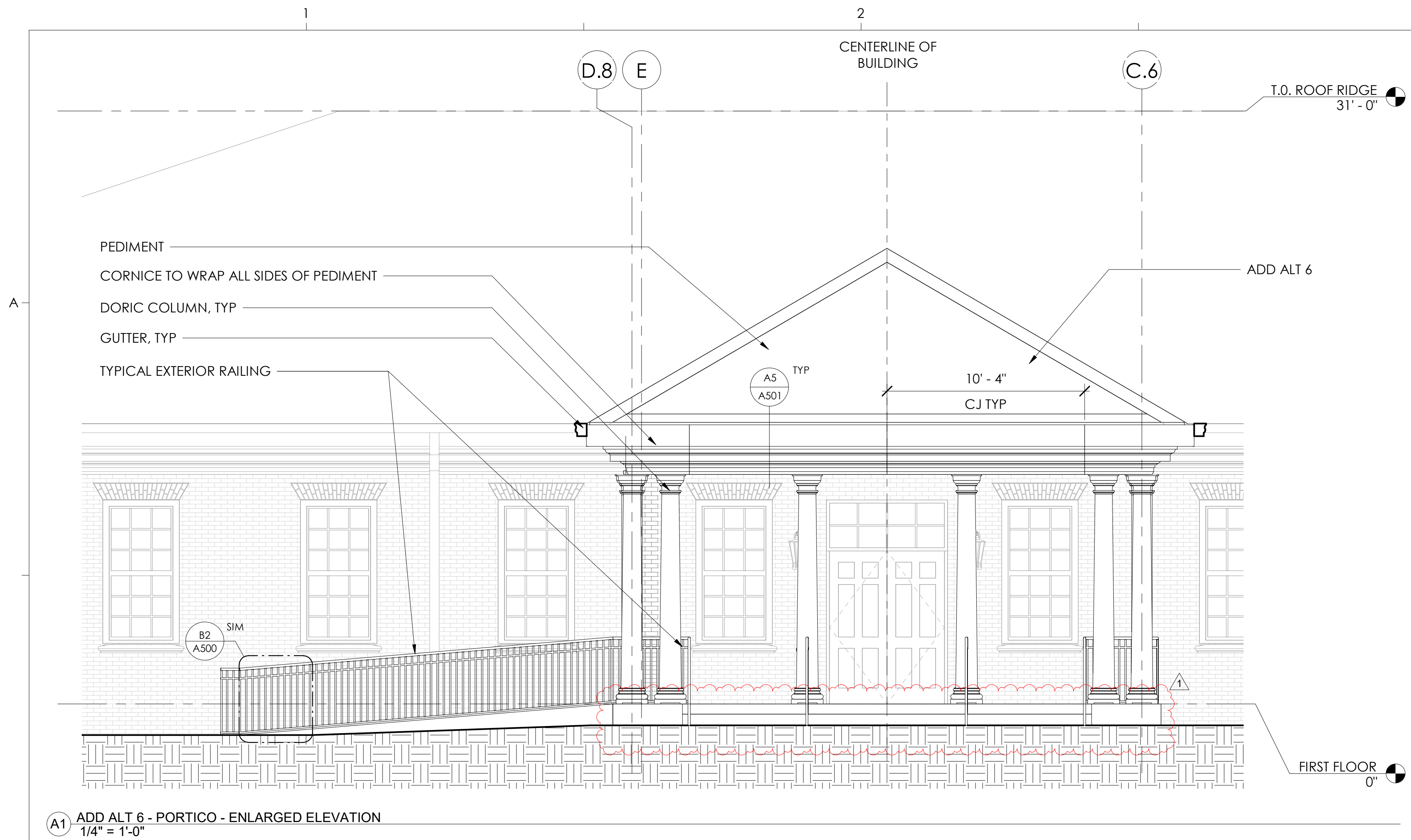
DESIGNED BY: AT
DRAWN BY: AT
CHECKED BY: MS

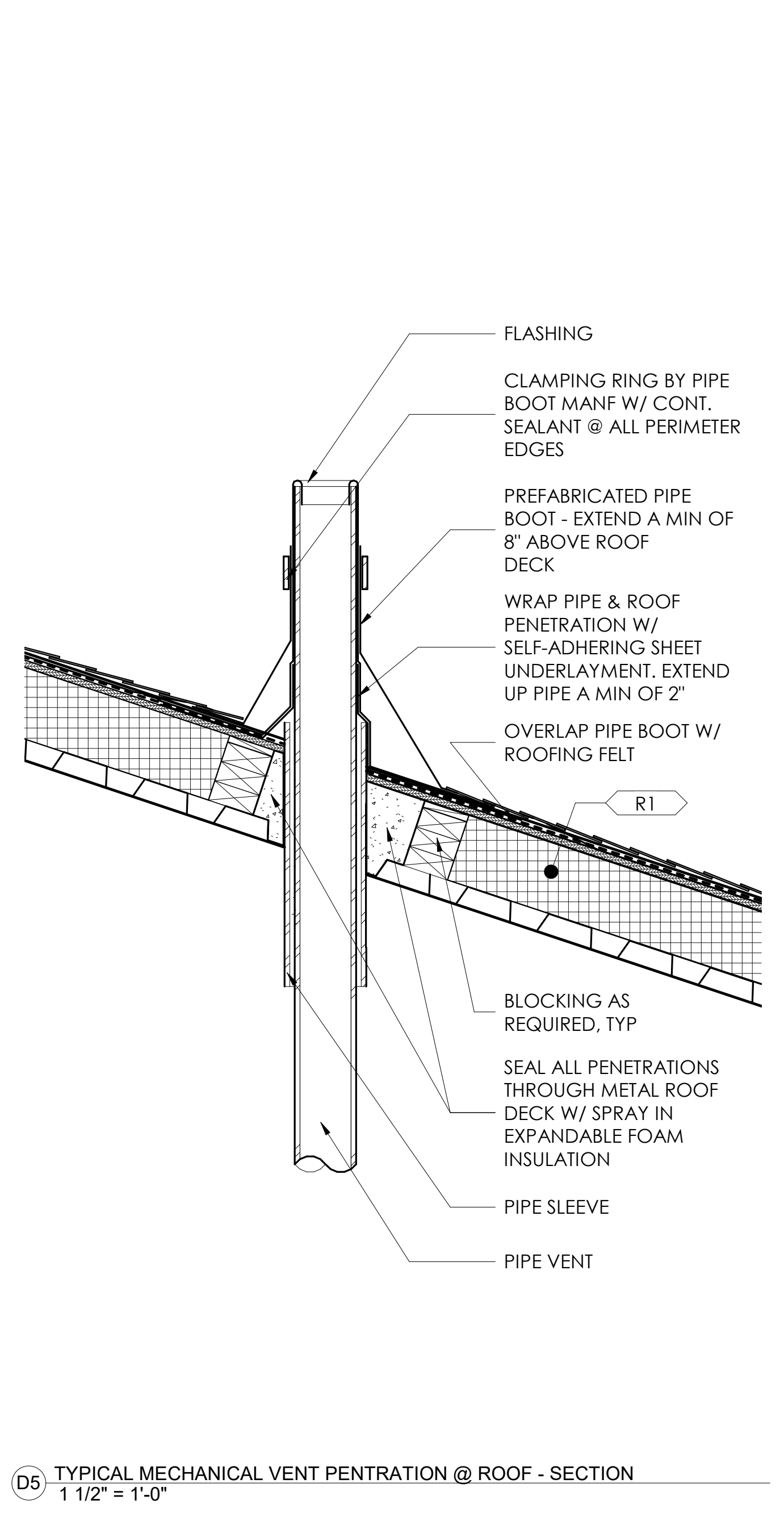
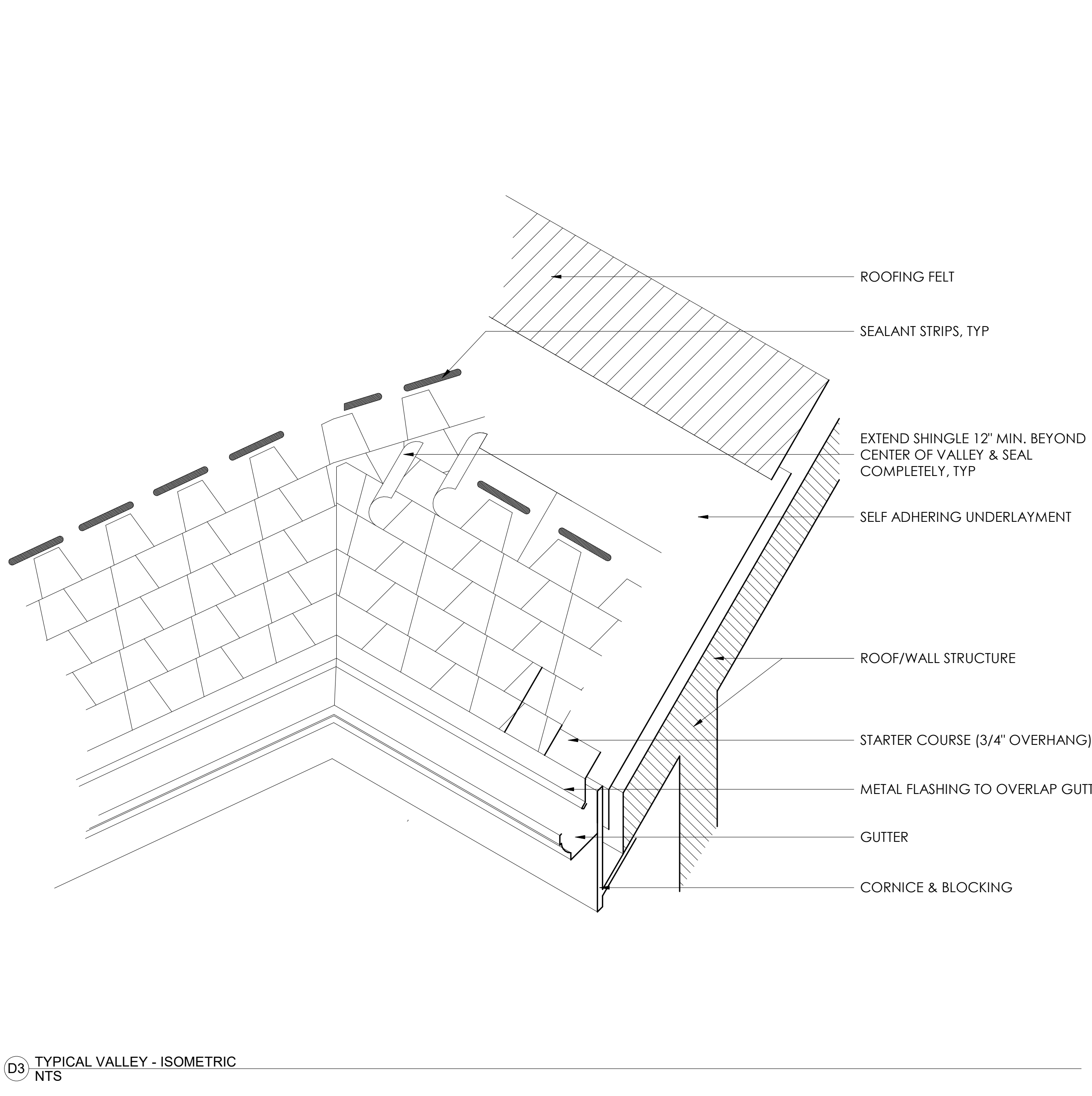
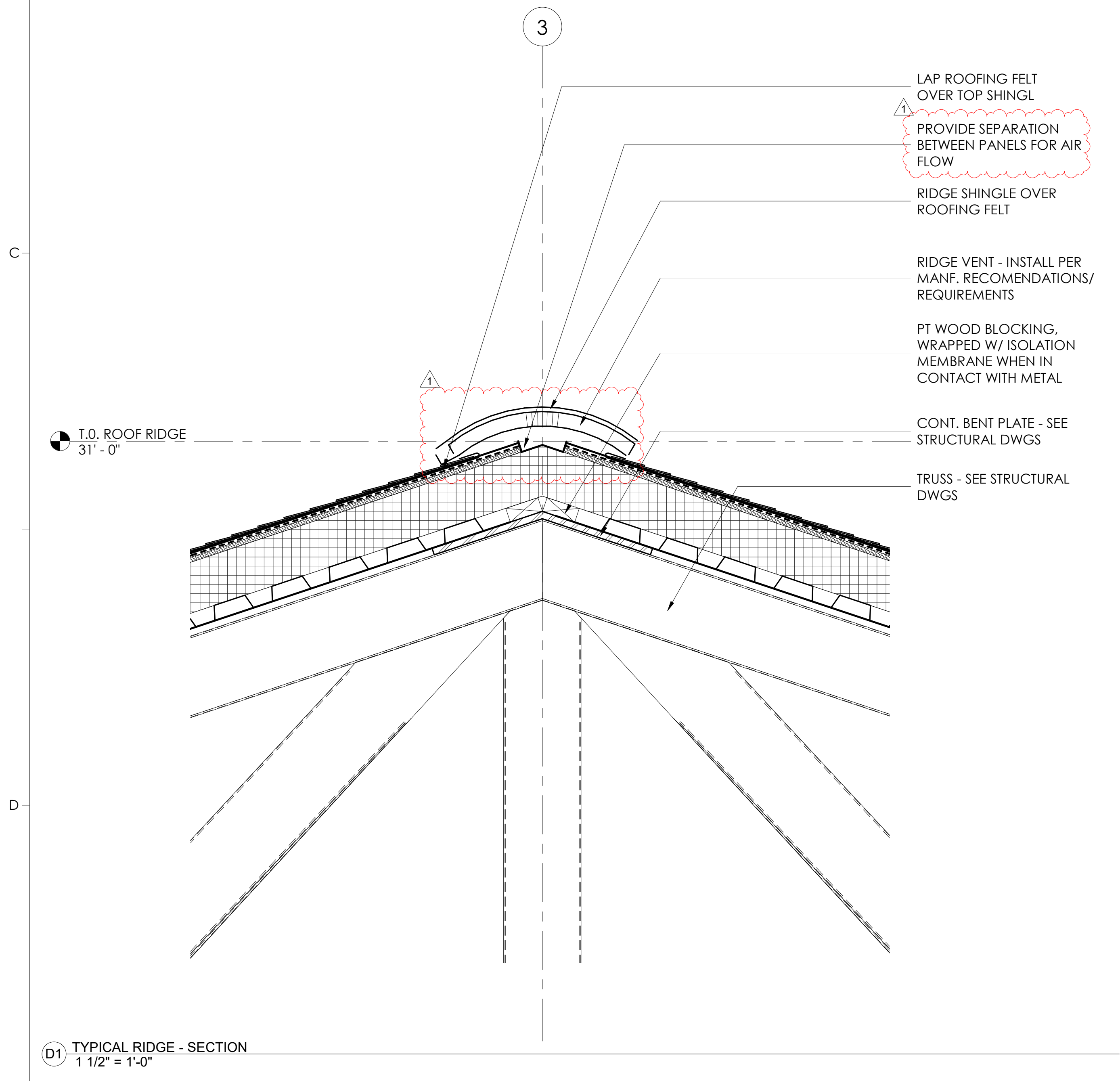
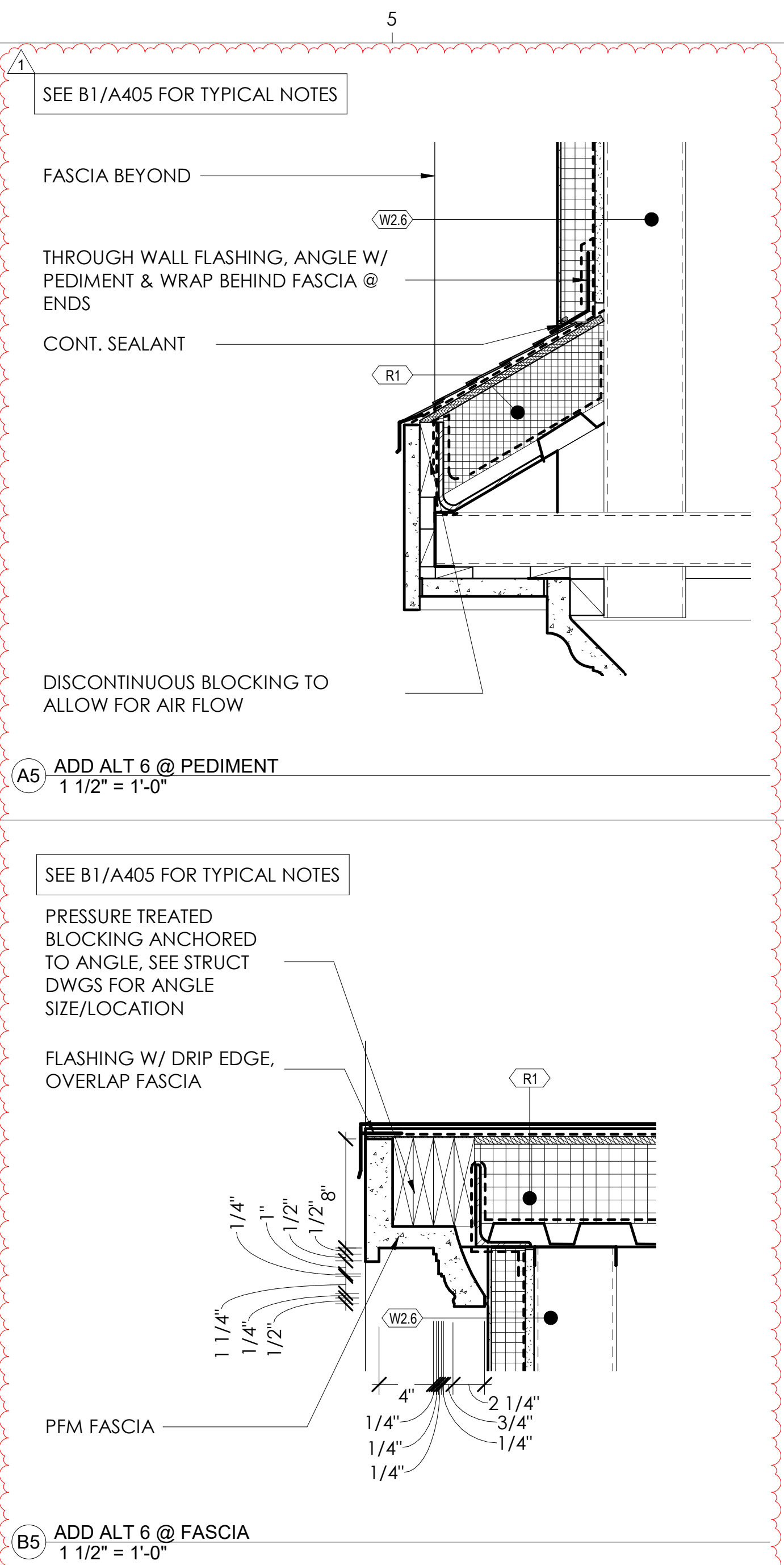
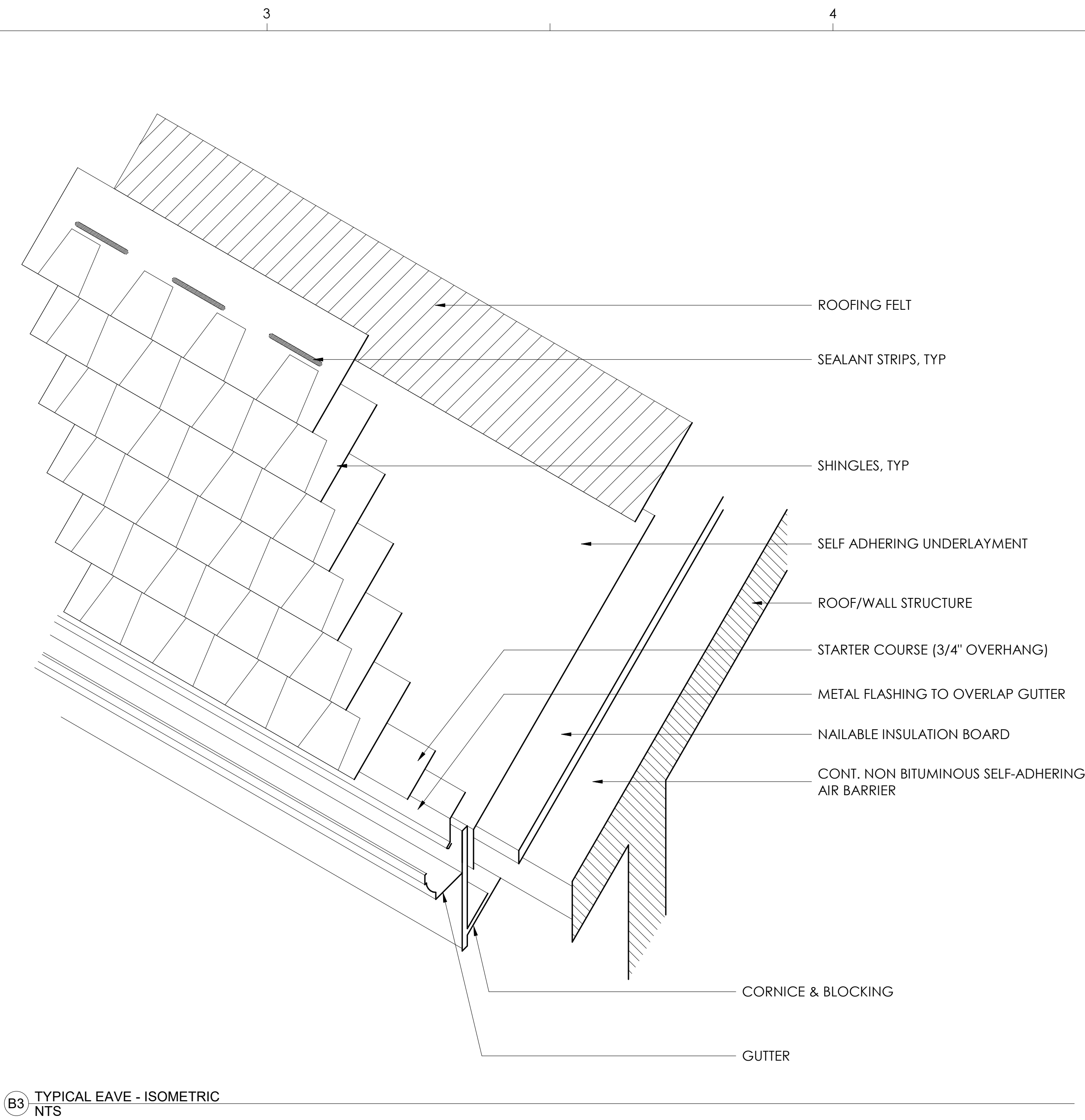
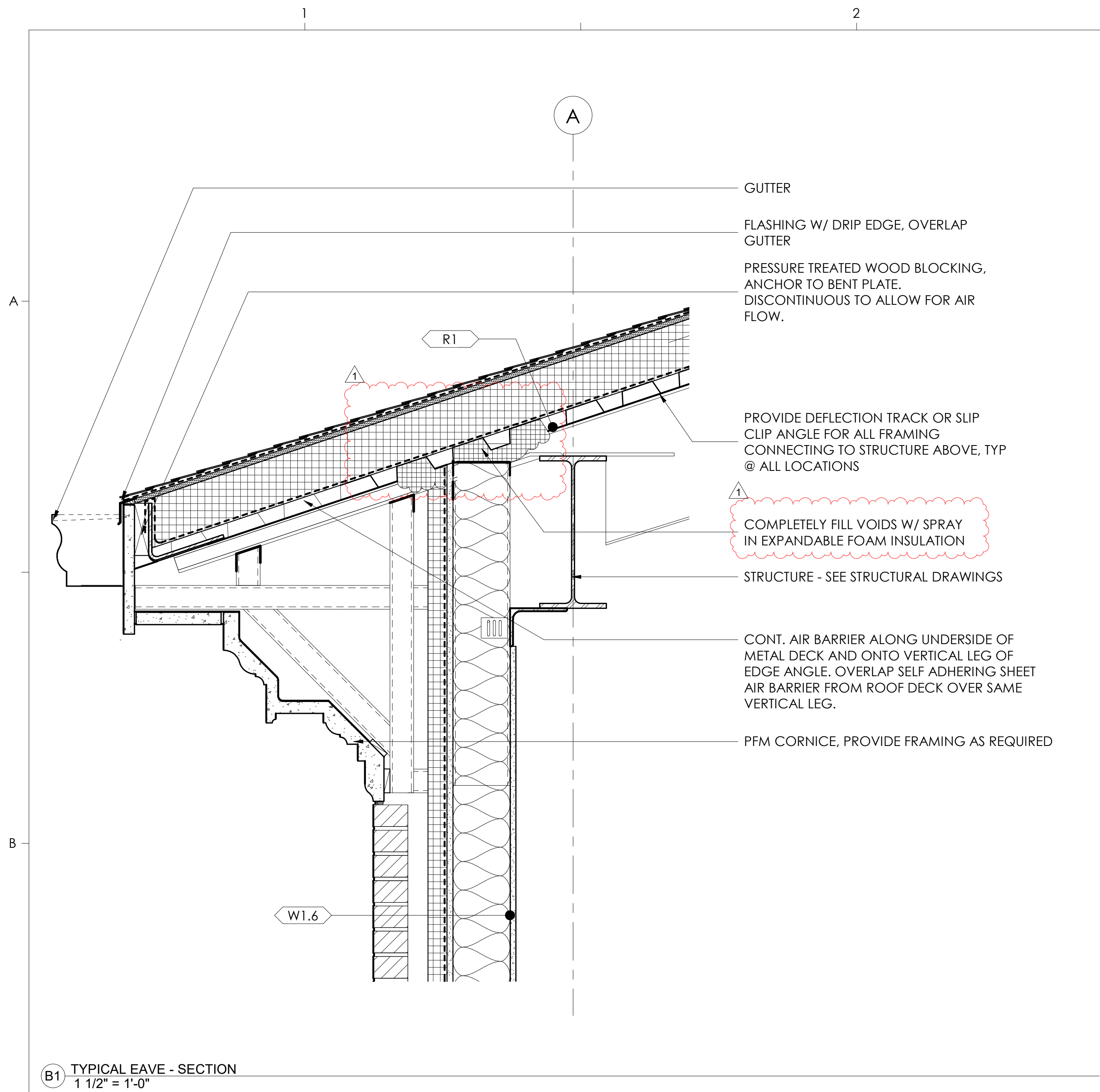
ISSUE DATE:
October 7, 2020

ENLARGED ENTRANCE

A400

SCALE: 1/4" = 1'-0"





SGA

NarmourWright

DESIGN

1815 S. Tryon St. Suite A
Charlotte, NC 28203
p 704.332.5668
www.sganwdesign.com

SGA NarmourWright Design PA
REGISTERED PROFESSIONAL ARCHITECT
53433
Charlotte, North Carolina

MARK WINSTON
REGISTERED ARCHITECT
5721
Charlotte, North Carolina

PROJECT NORTH PLAN NORTH

KEY PLAN

CONSTRUCTION DOCUMENTS

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Coastal Engineering Building

UNCW

University of North Carolina Wilmington

5236 Randall Drive
Wilmington, NC 28403
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ITEM: 302

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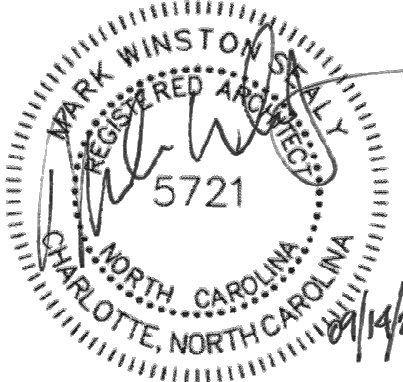
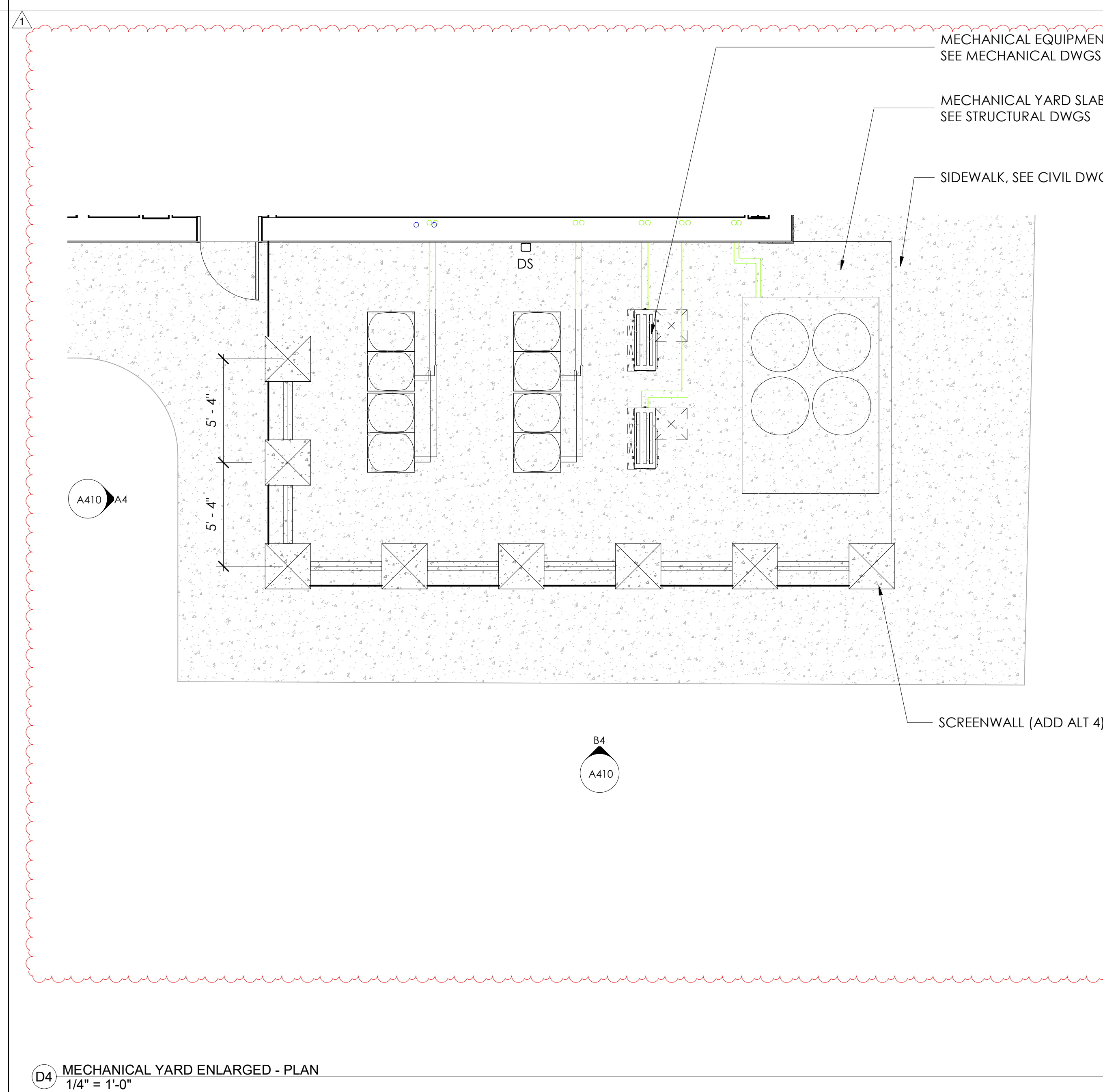
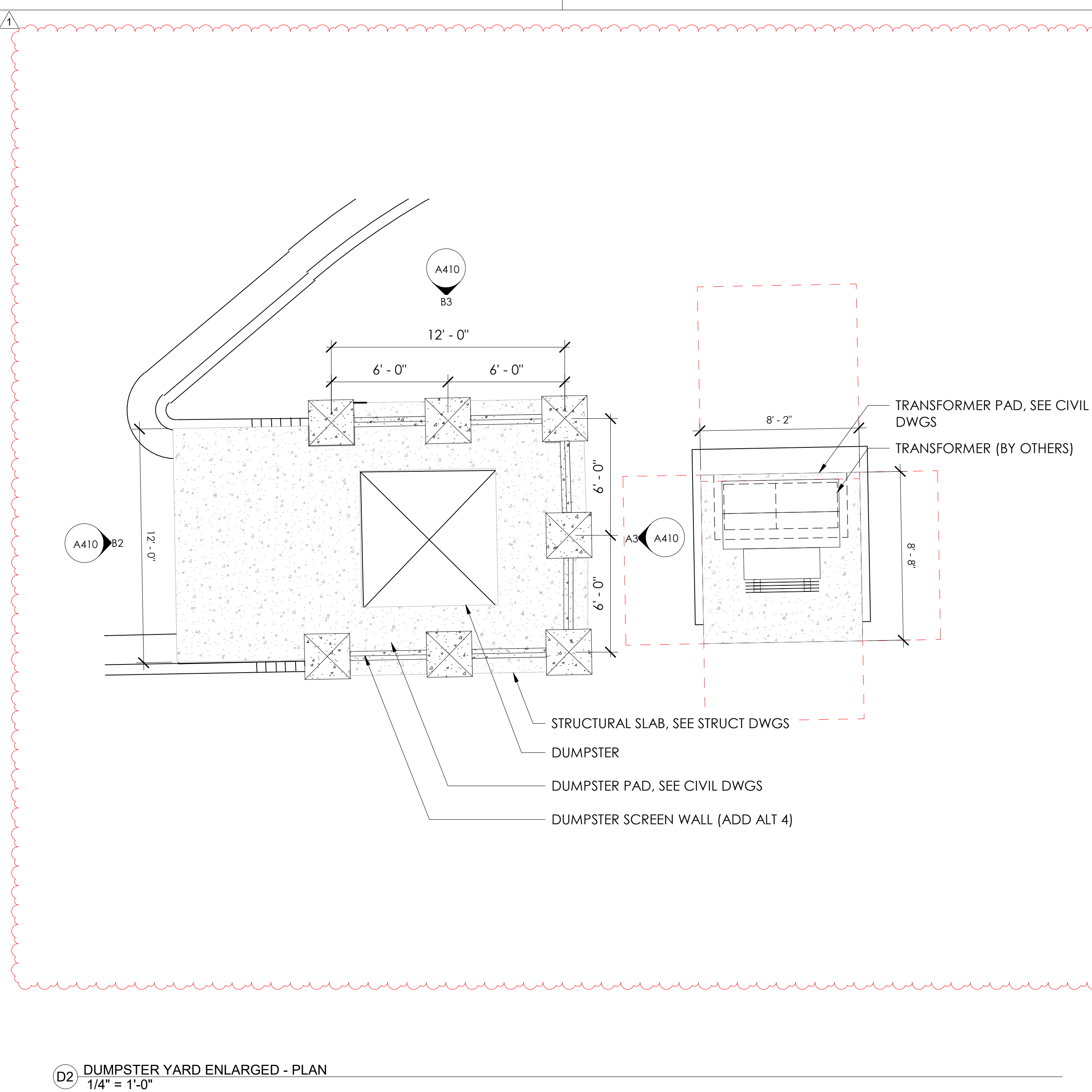
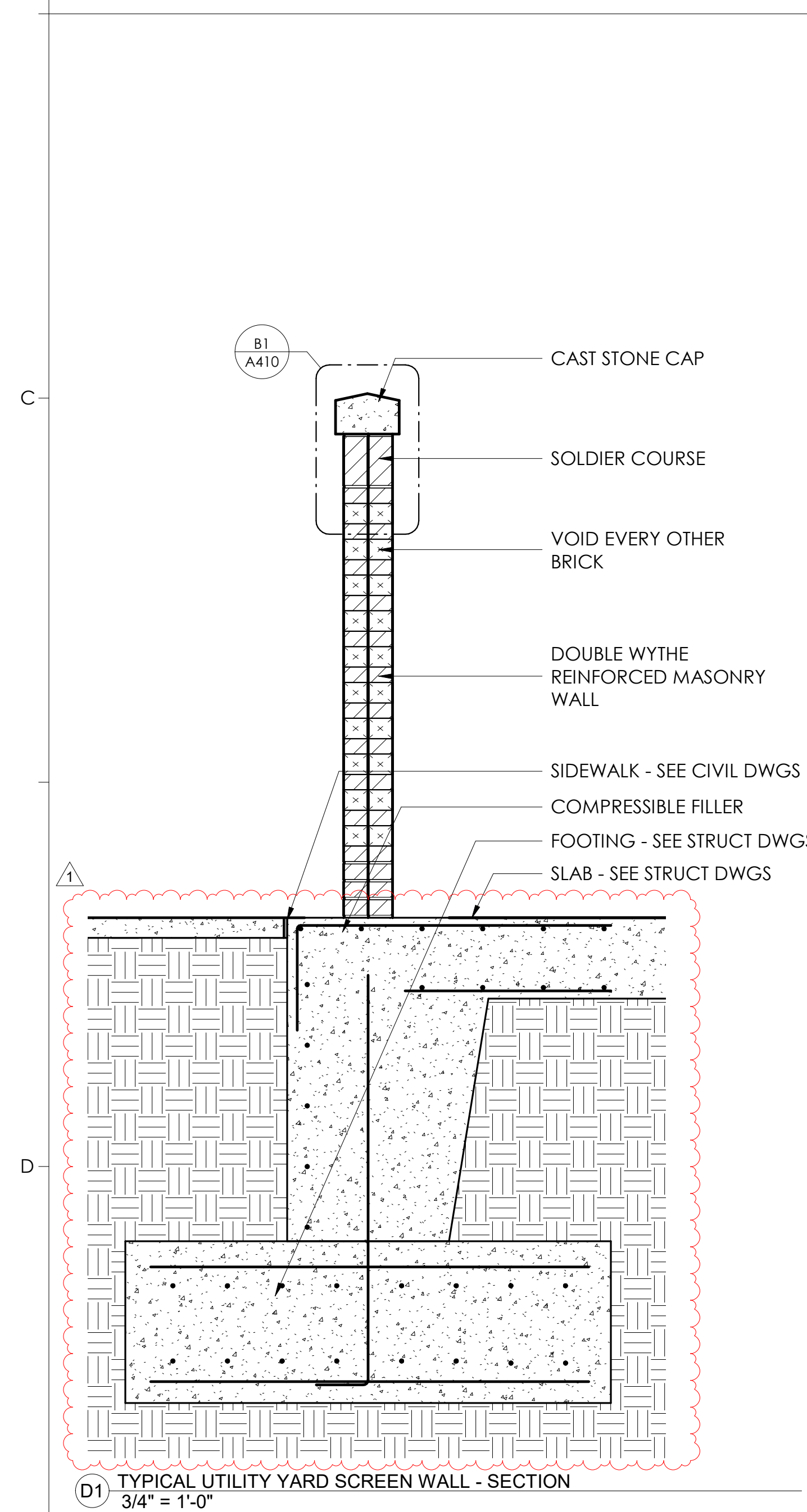
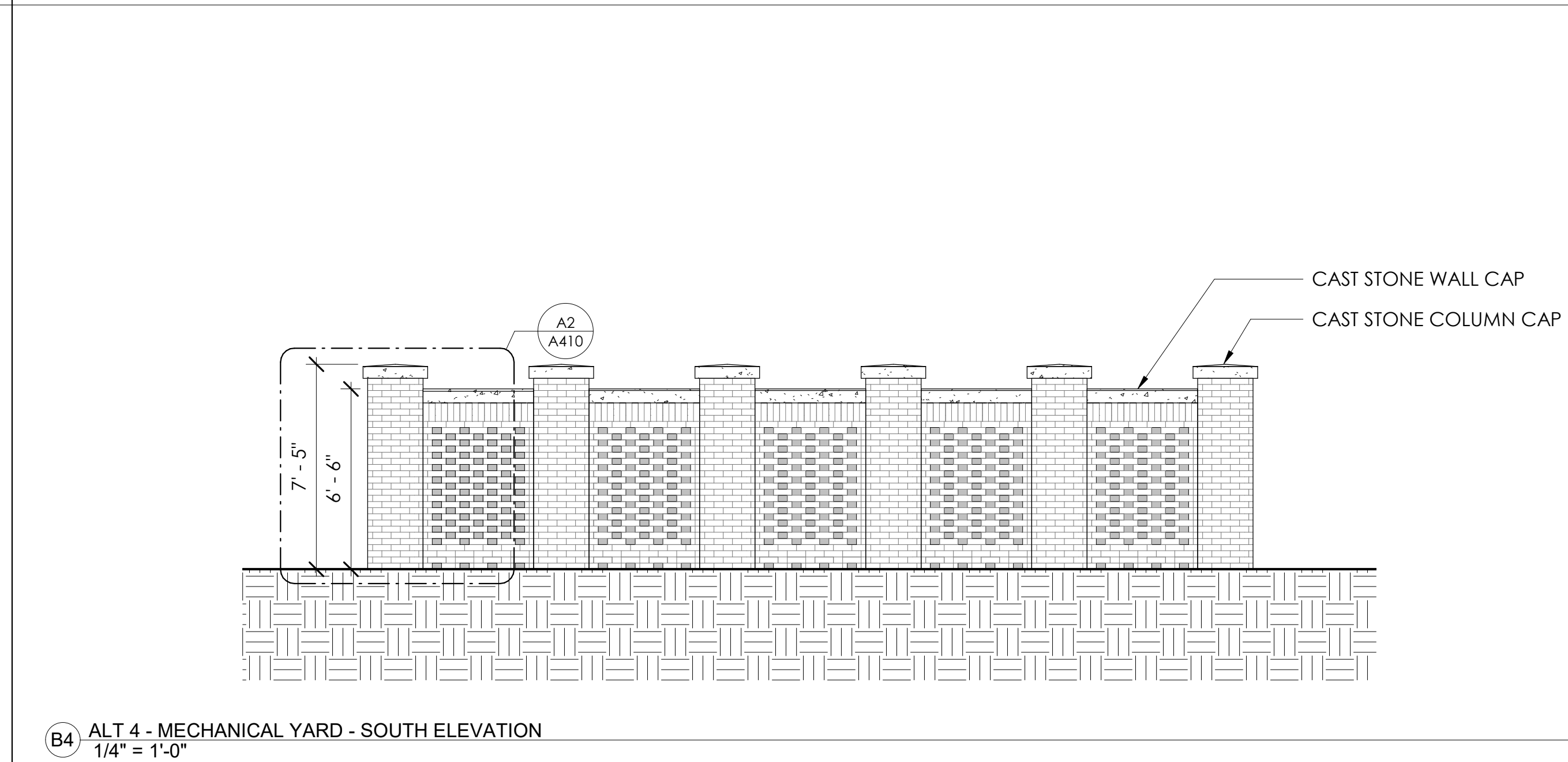
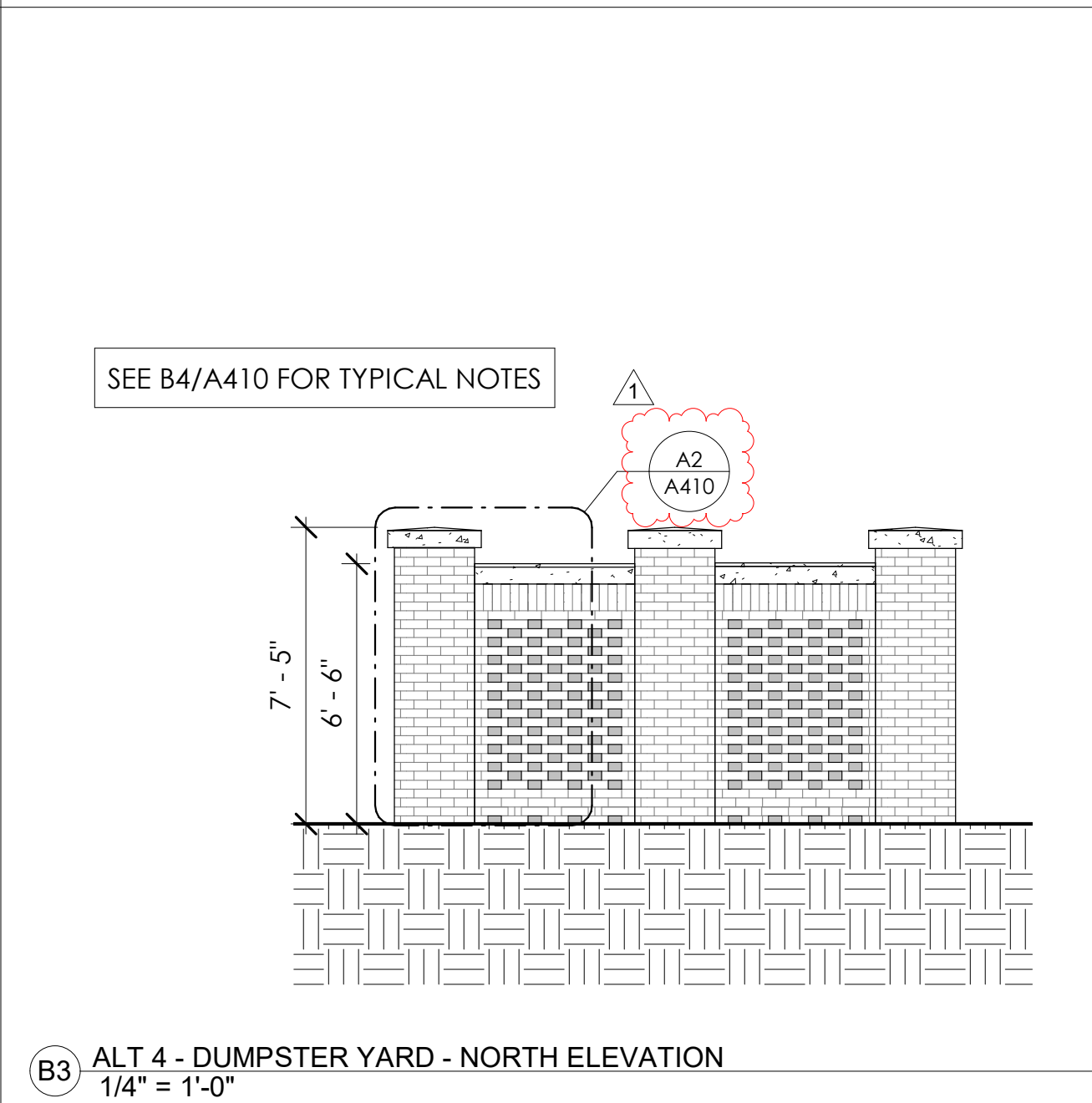
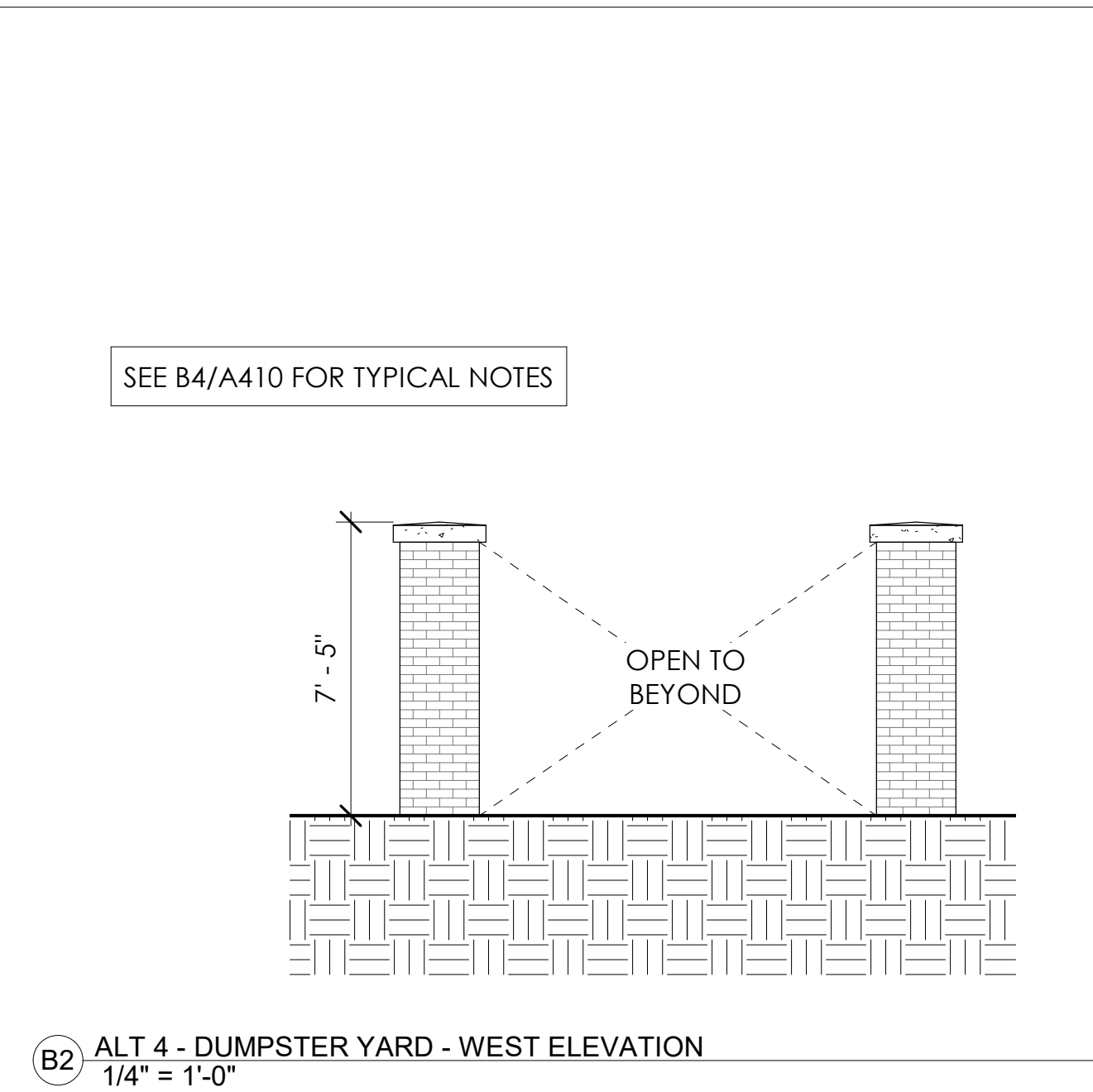
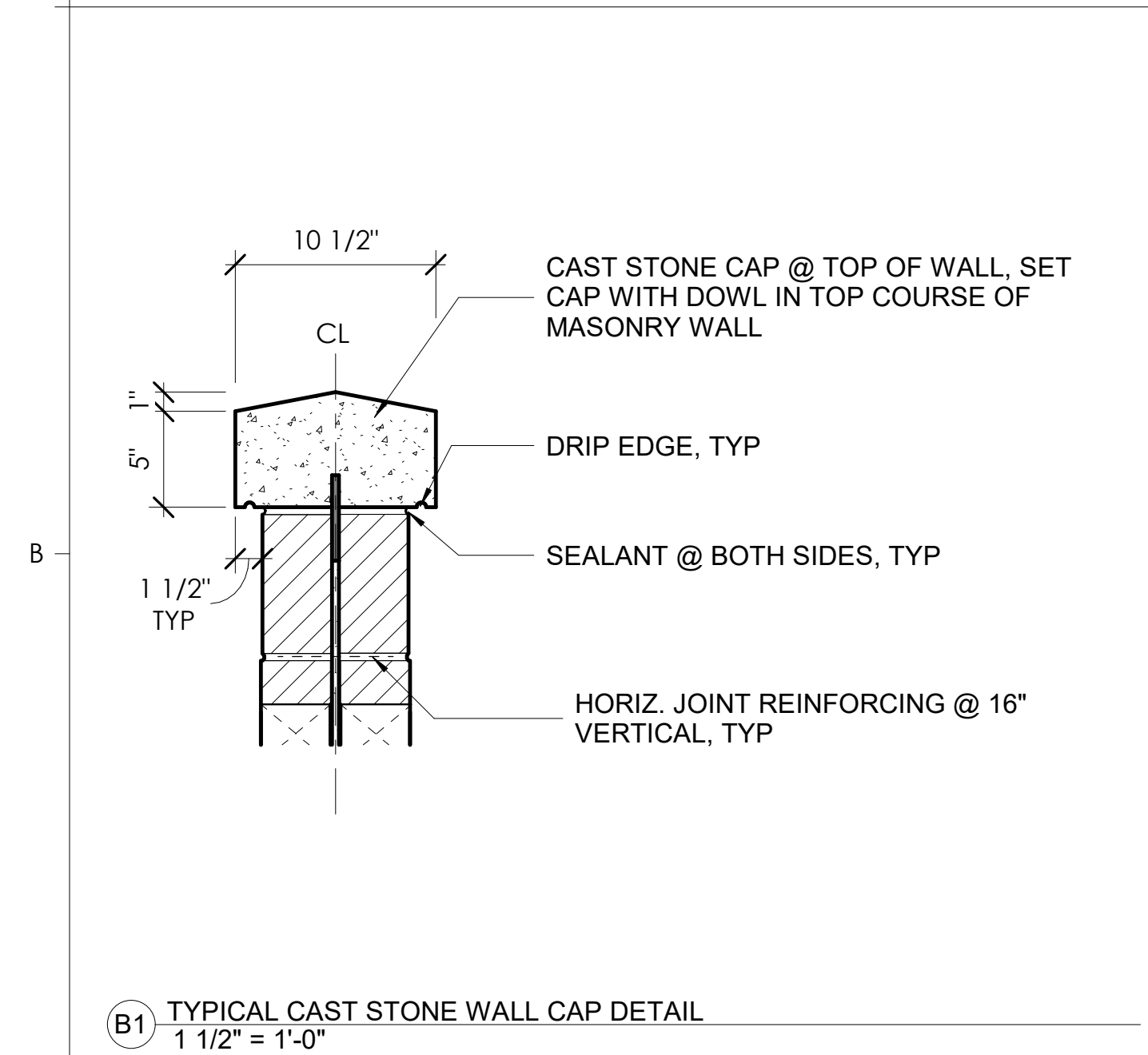
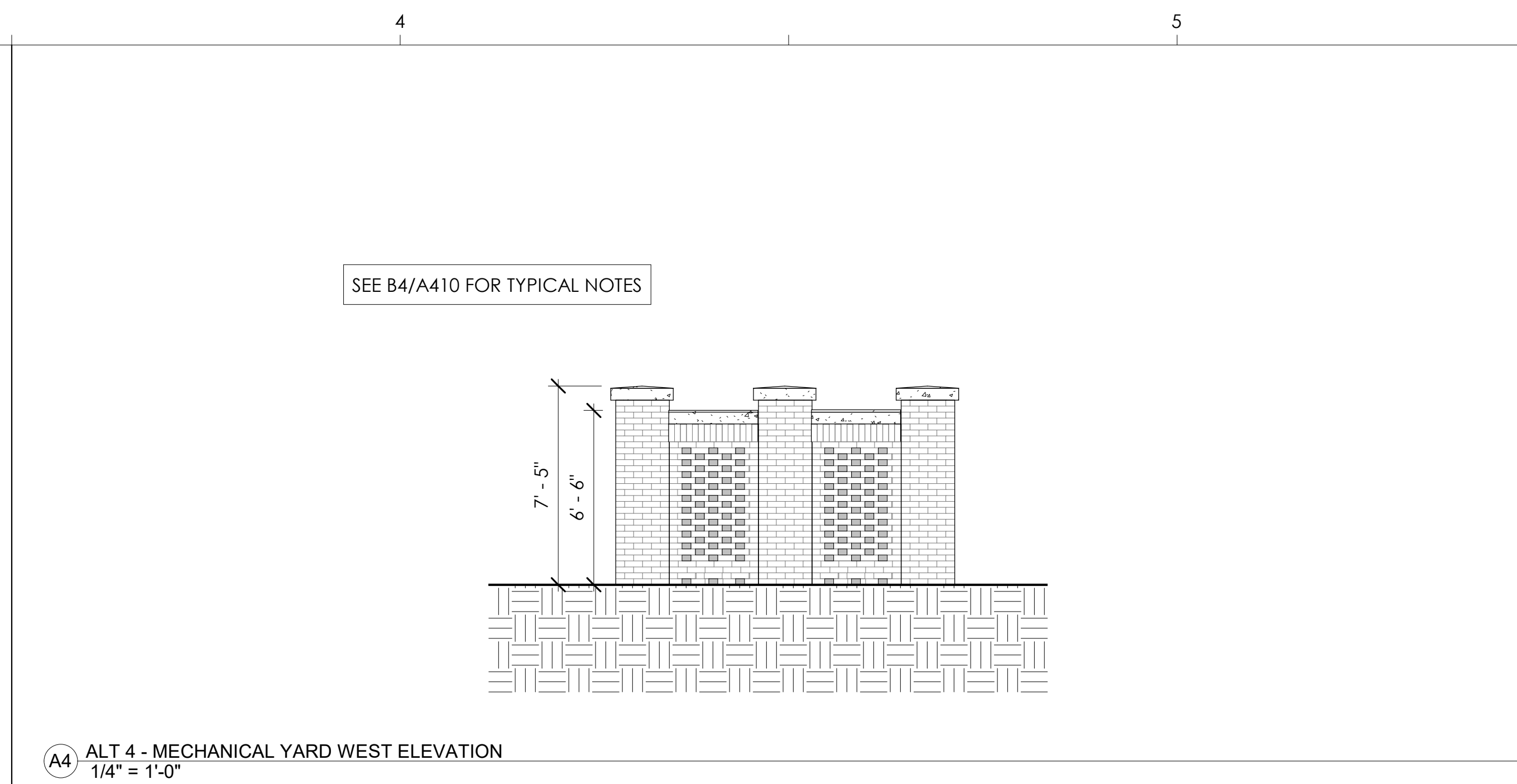
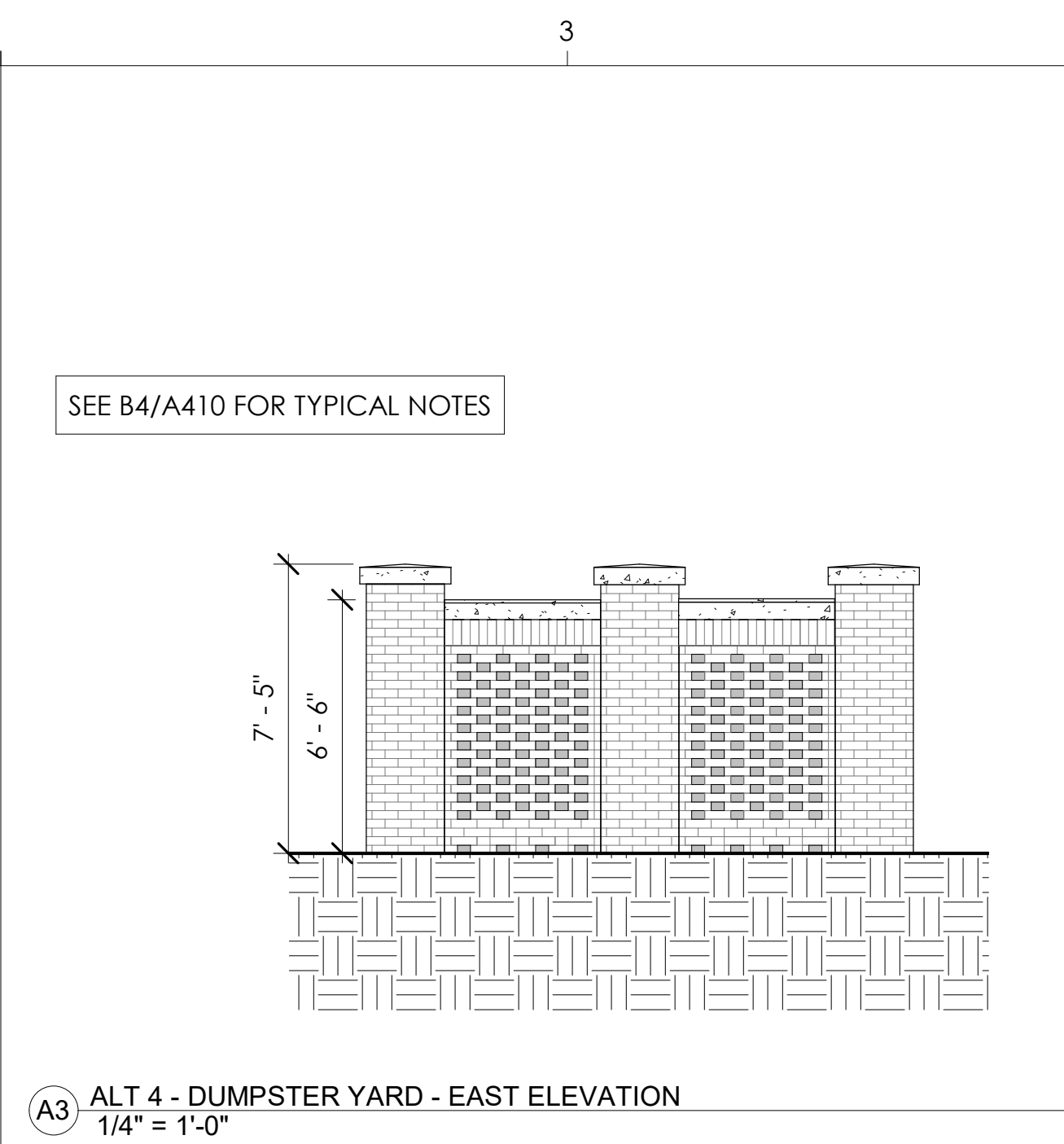
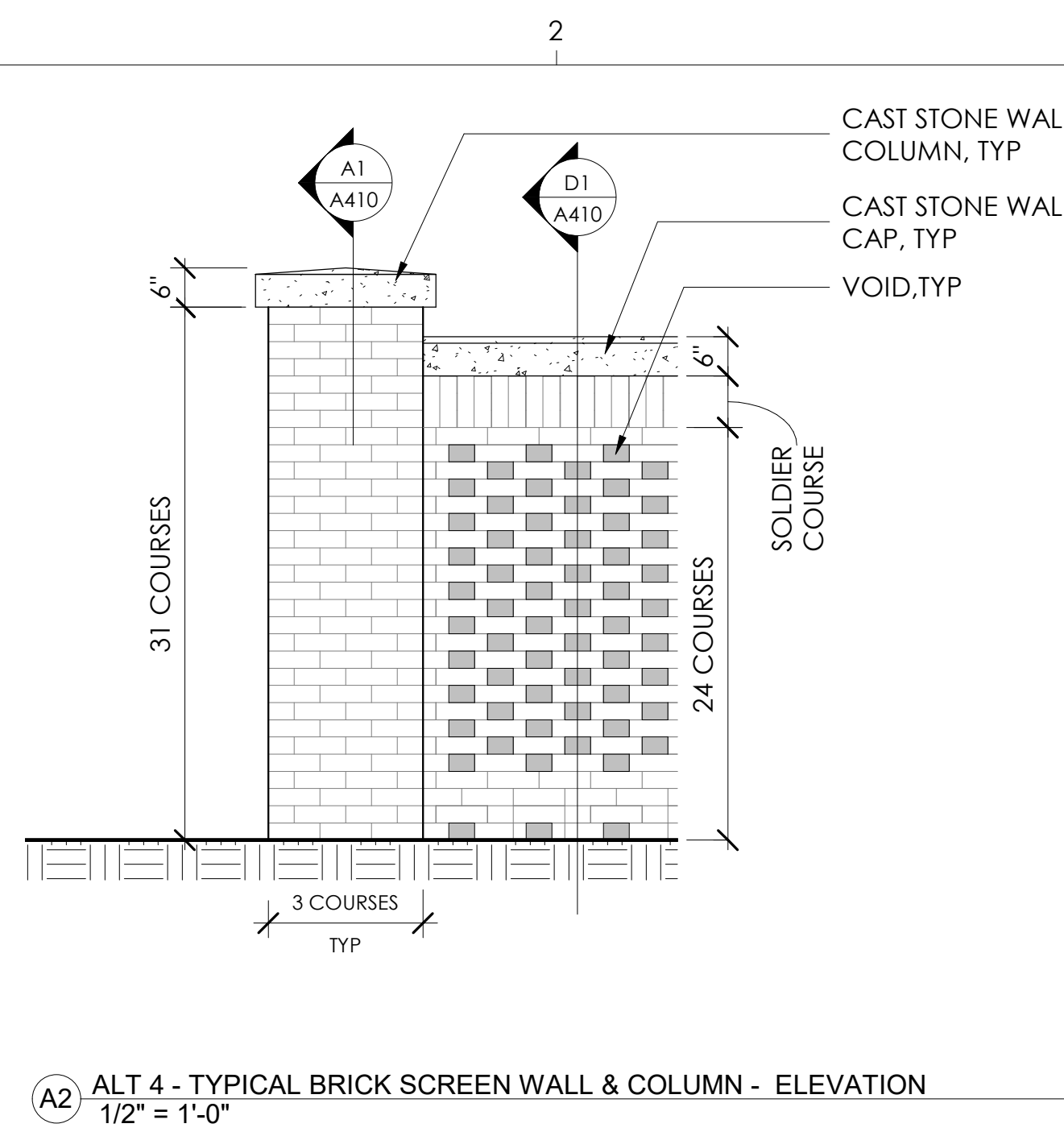
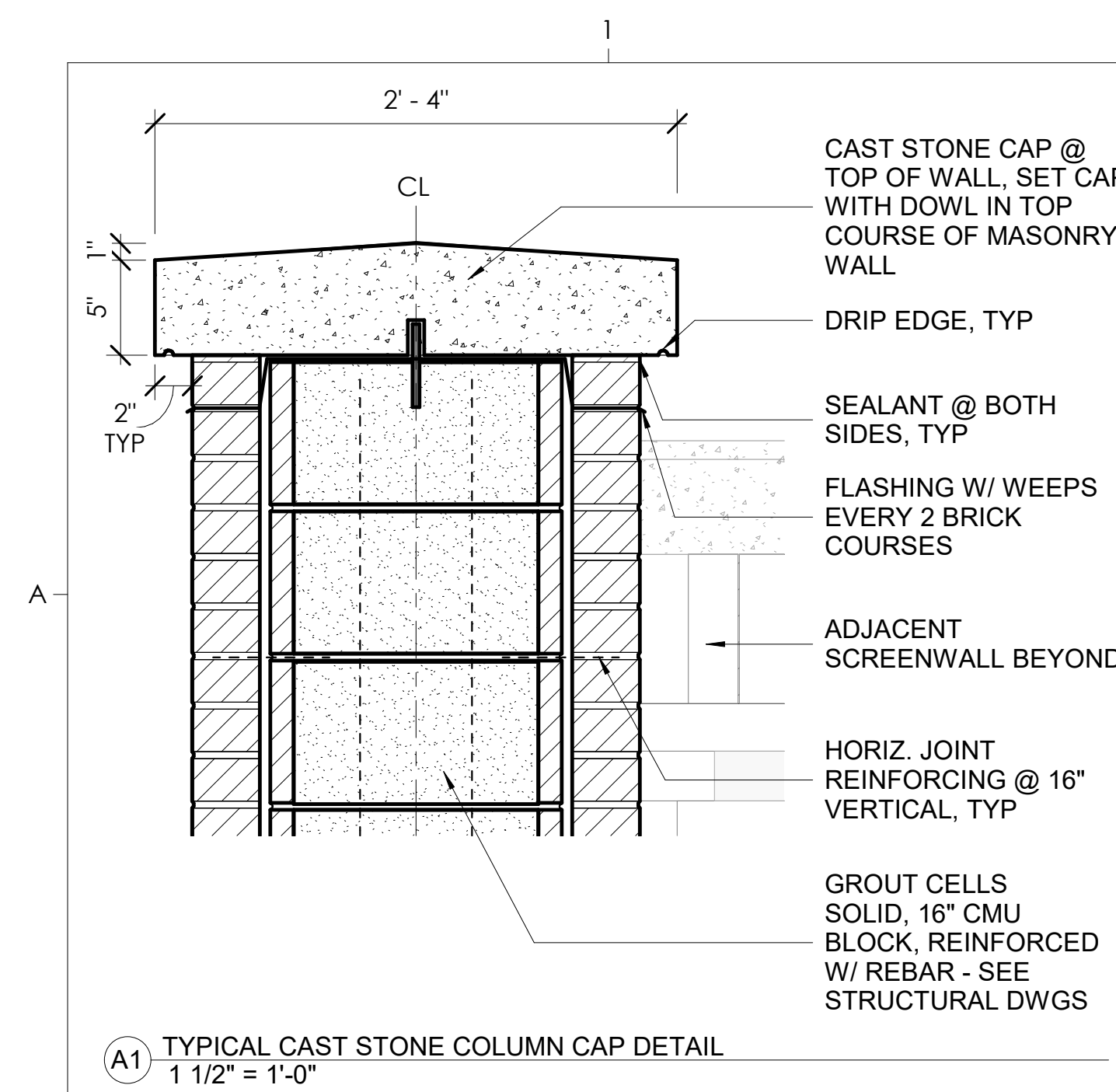
DESIGNED BY: Author
DRAWN BY: Author
CHECKED BY: Checker

ISSUE DATE:
October 7, 2020

ROOF DETAILS

A405

SCALE: As Indicated



PROJECT NORTH PLAN NORTH

KEY PLAN

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Building



University of North Carolina
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SGA | NW DESIGN PROJECT NUMBER:
19-202-01

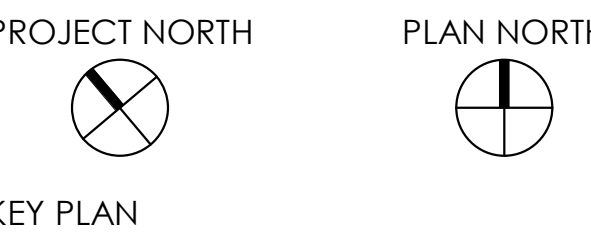
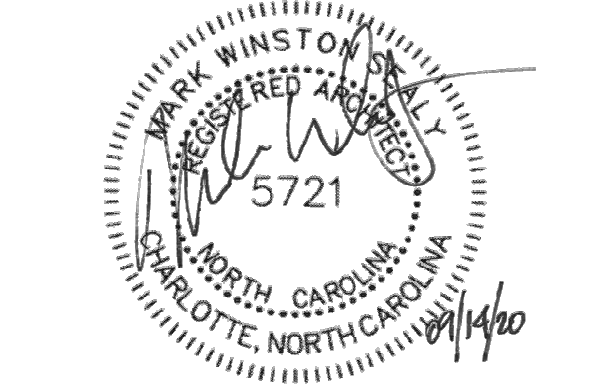
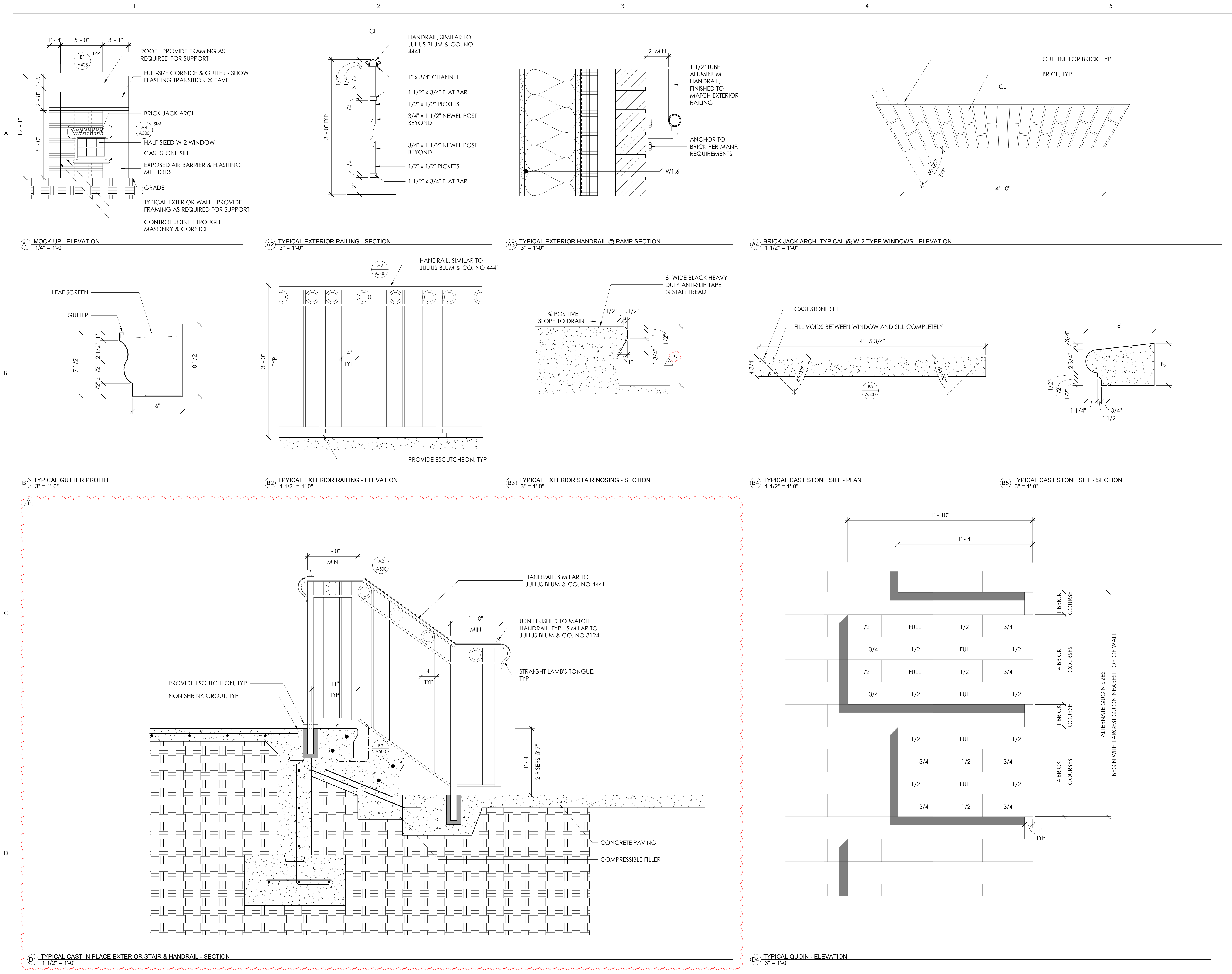
DESIGNED BY: AT
DRAWN BY: AT
CHECKED BY: MS

ISSUE DATE:
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UTILITY YARD

A410

SCALE: As indicated



CONSTRUCTION
DOCUMENTS

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DESIGNED BY: AT
DRAWN BY: AT
CHECKED BY: MS

ISSUE DATE:
October 7, 2020

EXTERIOR DETAILS -
BRICK, CONCRETE, CS,
MTL, & MOCK-UP

A500

SCALE: As indicated

GENERAL NOTES:

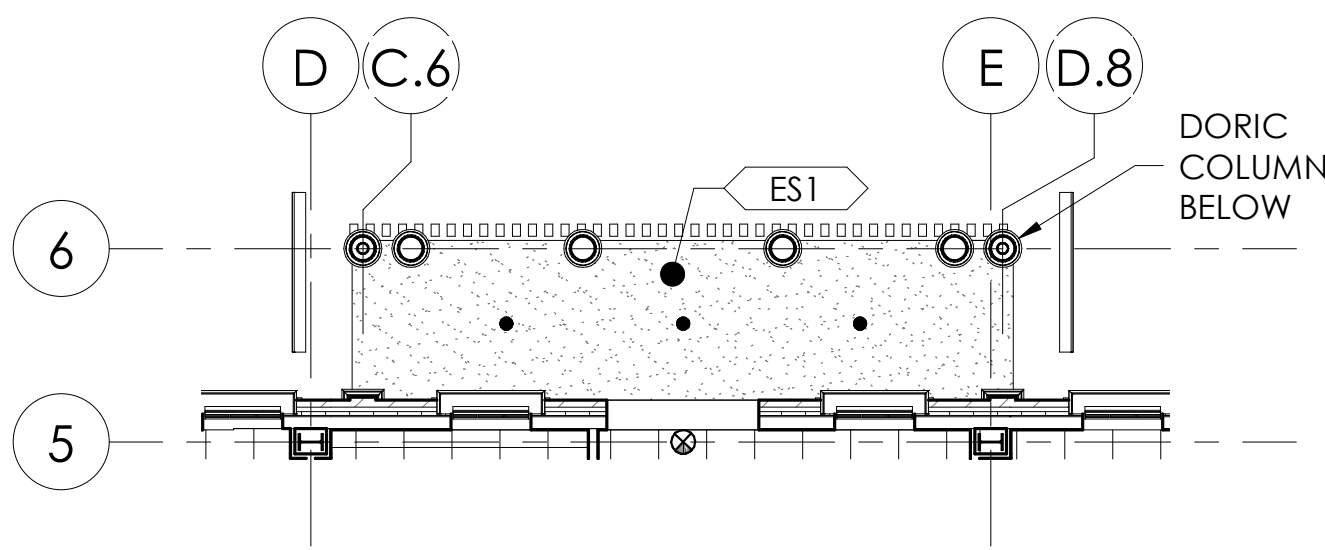
- ELEVATIONS OF ALL CEILINGS ARE 10'-6" UNO.
- COORDINATE HANGER LOCATIONS FOR ALL MECHANICAL, ELECTRICAL, AND PLUMBING.
- COORDINATE ALL CEILING DEVICES & LIGHTING WITH MECHANICAL, ELECTRICAL, PLUMBING, & TELECOMMUNICATION DRAWINGS.

CEILING LIGHTING & DEVICE LEGEND:

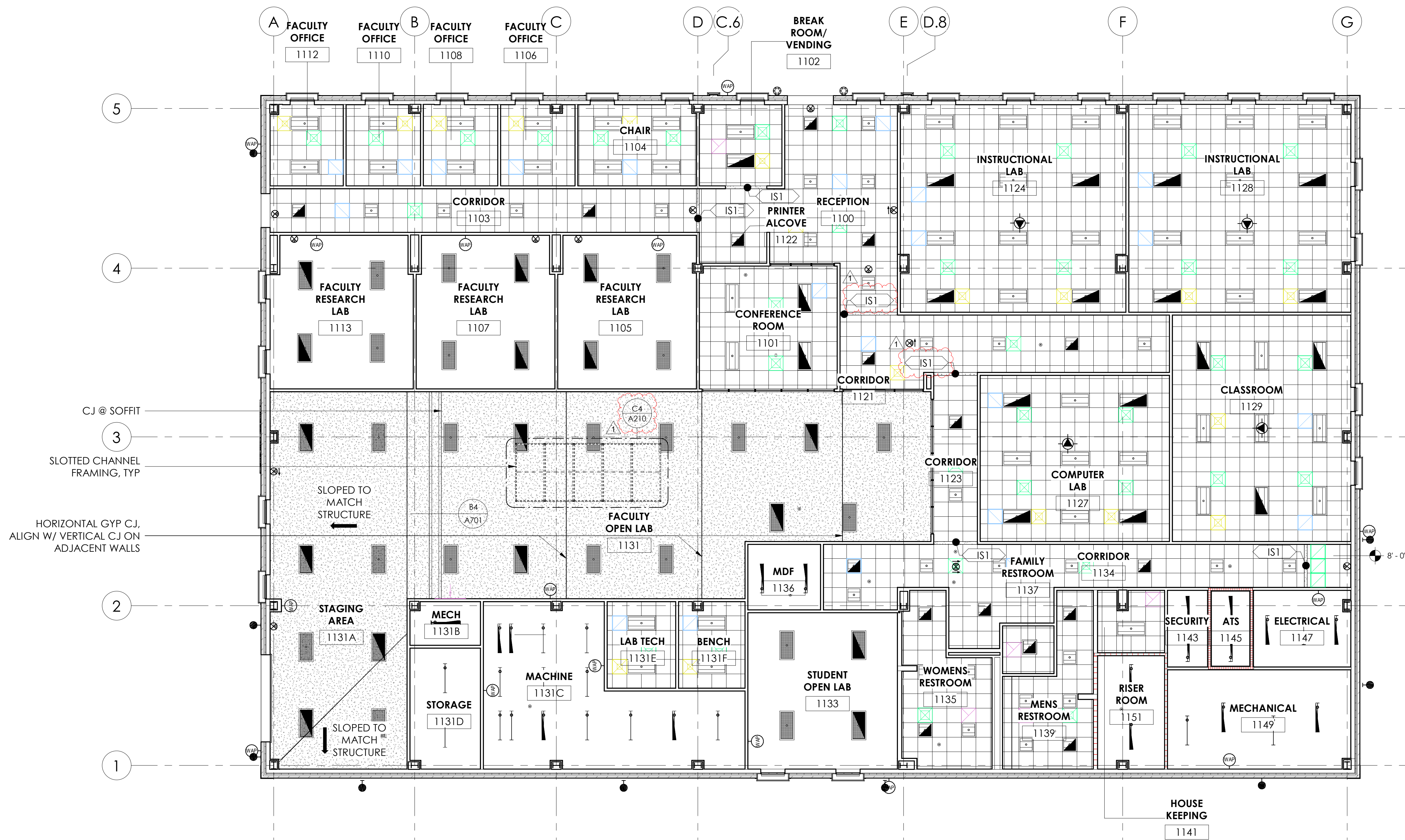
- | | | | |
|--|-----------------------------------|--|--|
| | SUPPLY DIFFUSER | | WALL MOUNTED WAP |
| | RETURN DIFFUSER | | EXIT SIGN |
| | EXHAUST DIFFUSER | | CEILING MOUNTED PROJECTOR CONNECTION, PROJECTOR TO BE OFOI |
| | 2' x 2' LAY-IN LIGHTING | | WALL PACK |
| | 2' x 2' LAY-IN EMERGENCY LIGHTING | | EMERGENCY WALL PACK |
| | 2' x 4' LAY-IN EMERGENCY LIGHTING | | LANTERN |
| | 2' x 4' LAY-IN EMERGENCY LIGHTING | | CAN LIGHT |
| | 2' x 4' DROP LIGHTING | | |
| | 2' x 4' DROP EMERGENCY LIGHTING | | |
| | UTILITY STRIP LIGHTING | | |
| | EMERGENCY UTILITY STRIP LIGHTING | | |

CEILING MATERIAL LEGEND:

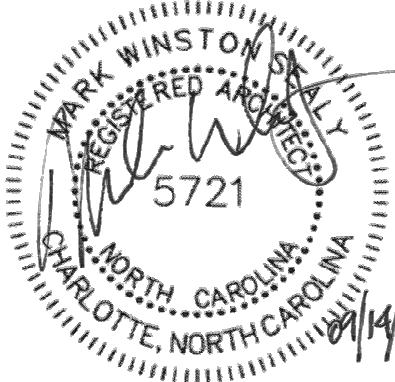
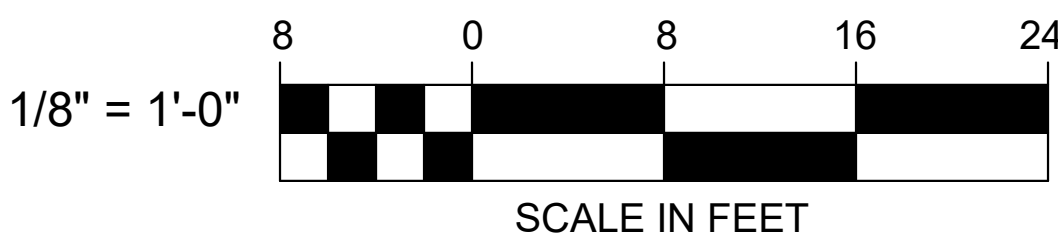
- | | |
|--|-----------------------------|
| | (C1) ACOUSTIC CEILING PANEL |
| | (C2) GYPSUM BOARD CEILING |
| | NO CEILING |
| | (ES1) EXTERIOR SOFFIT |



A5 (ADD ALT 6) FIRST FLOOR - CEILING PLAN
1/8" = 1'-0"

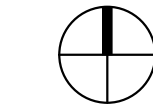


D1 FIRST FLOOR - CEILING PLAN
1/8" = 1'-0"



PROJECT NORTH

PLAN NORTH



KEY PLAN

CONSTRUCTION
DOCUMENTS

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Building



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19-202-01

DESIGNED BY: AT
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CHECKED BY: MS

ISSUE DATE:
October 7, 2020

REFLECTED CEILING
PLAN

A800

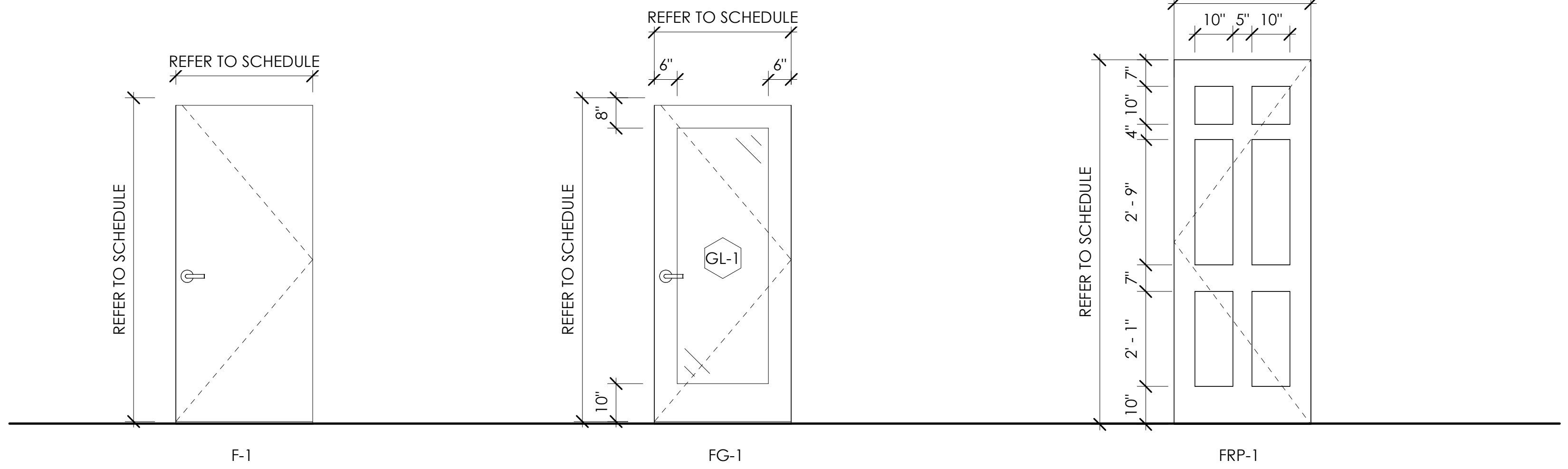
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

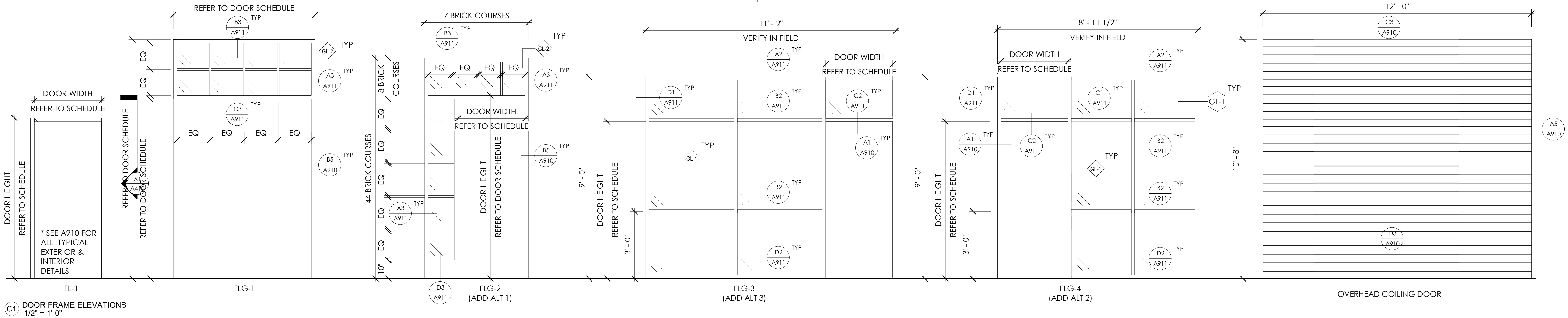
- REFER TO A910 & A911 FOR TYPICAL DOOR, WINDOW, AND LOUVER DETAILS.
- PROVIDE VENETIAN MINI BLINDS AT ALL W-2 WINDOW TYPES.
- FOR ALL WINDOWS, DOORS, & LOUVERS, FILL ALL VOIDS AT SHIM POINTS WITH LOW-EXPANDING SPF.

DOOR SCHEDULE															
OPENING			DOOR							FRAME		GLAZING		FIRE RATING MIN.	REMARKS
NO.	TO ROOM	WIDTH	HEIGHT	THICKNESS	TYPE	DOOR MTL	DOOR FINISH	TYPE	FRAME MTL	FRAME FINISH					
1101	CONFERENCE ROOM	3' - 0"	7' - 0"	1 3/4"	FG-1	ALUM	ALUM	FLG-4	ALUM	ALUM	GL-1			11	ADD ALT 2
1101	CONFERENCE ROOM	3' - 0"	7' - 0"	1 3/4"	FG-1	ALUM	ALUM	FL-1	ALUM	ALUM	GL-1			11	BASE BID
1104	CHAIR	3' - 0"	7' - 0"	1 3/4"	F-1	WD SC	ST	FL-1	HM	P-7				12	
1105A	CORRIDOR	3' - 0"	7' - 0"	1 3/4"	F-1	WD SC	ST	FL-1	HM	P-7				13	
1105B	FACULTY OPEN LAB	3' - 0"	7' - 0"	1 3/4"	F-1	FRP	P-7	FL-1	ALUM	ALUM				19	
1106	FACULTY OFFICE	3' - 0"	7' - 0"	1 3/4"	F-1	WD SC	ST	FL-1	HM	P-7				12	
1107A	FACULTY RESEARCH LAB	3' - 0"	7' - 0"	1 3/4"	F-1	WD SC	ST	FL-1	HM	P-7				13	
1107B	FACULTY RESEARCH LAB	3' - 0"	7' - 0"	1 3/4"	F-1	FRP	P-7	FL-1	ALUM	ALUM				19	
1108	CORRIDOR	3' - 0"	7' - 0"	1 3/4"	F-1	WD SC	ST	FL-1	HM	P-7				12	
1110	FACULTY OFFICE	3' - 0"	7' - 0"	1 3/4"	F-1	WD SC	ST	FL-1	HM	P-7				12	
1112	CORRIDOR	3' - 0"	7' - 0"	1 3/4"	F-1	WD SC	ST	FL-1	HM	P-7				12	
1113A	CORRIDOR	3' - 0"	7' - 0"	1 3/4"	F-1	WD SC	ST	FL-1	HM	P-7				13	
1113B	FACULTY OPEN LAB	3' - 0"	7' - 0"	1 3/4"	F-1	FRP	P-7	FL-1	ALUM	ALUM				19	
1124A	INSTRUCTIONAL LAB	3' - 0"	7' - 0"	1 3/4"	F-1	WD SC	ST	FL-1	HM	P-7				13	
1124B	CORRIDOR	3' - 0"	7' - 0"	1 3/4"	F-1	WD SC	ST	FL-1	HM	P-7				13	
1127A	CORRIDOR	3' - 0"	7' - 0"	1 3/4"	F-1	WD SC	ST	FL-1	HM	P-7				07	
1127B	COMPUTER LAB	3' - 0"	7' - 0"	1 3/4"	F-1	WD SC	ST	FL-1	HM	P-7				13	
1128	INSTRUCTIONAL LAB	3' - 0"	7' - 0"	1 3/4"	F-1	WD SC	ST	FL-1	HM	P-7				13	
1129A	CORRIDOR	3' - 0"	7' - 0"	1 3/4"	F-1	WD SC	ST	FL-1	HM	P-7				12	
1129B	CORRIDOR	3' - 0"	7' - 0"	1 3/4"	F-1	WD SC	ST	FL-1	HM	P-7				12	
1131A	CORRIDOR	3' - 0"	7' - 0"	1 3/4"	FG-1	ALUM	ALUM	FLG-3	ALUM	ALUM	GL-1			15	ADD ALT 3
1131B	FACULTY OPEN LAB	6' - 0"	7' - 0"	1 3/4"	F-1	FRP	P-7	FL-1	ALUM	ALUM				18	
1131C	MACHINE	6' - 0"	7' - 0"	1 3/4"	F-1	FRP	P-7	FL-1	ALUM	ALUM				17	
1131D	STAGING AREA	6' - 0"	7' - 0"	1 3/4"	F-1	FRP	P-7	FL-1	ALUM	ALUM				18	
1131E	LAB TECH	3' - 0"	7' - 0"	1 3/4"	F-1	FRP	P-7	FL-1	ALUM	ALUM				19	
1131F	BENCH	3' - 0"	7' - 0"	1 3/4"	F-1	FRP	P-7	FL-1	ALUM	ALUM				19	
1133	STUDENT OPEN LAB	3' - 0"	7' - 0"	1 3/4"	F-1	WD SC	ST	FL-1	HM	P-7				13	
1135	WOMENS RESTROOM	3' - 0"	7' - 0"	1 3/4"	F-1	WD SC	ST	FL-1	HM	P-7				09	
1136		3' - 0"	7' - 0"	1 3/4"	F-1	WD SC	ST	FL-1	HM	P-7				20	
1137	FAMILY RESTROOM	3' - 0"	7' - 0"	1 3/4"	F-1	WD SC	ST	FL-1	HM	P-7				10	
1141	HOUSE KEEPING	3' - 0"	7' - 0"	1 3/4"	F-1	WD SC	ST	FL-1	HM	P-7				16	
1143	SECURITY	3' - 0"	7' - 0"	1 3/4"	F-1	WD SC	ST	FL-1	HM	P-7				08	
1145	CORRIDOR	3' - 0"	7' - 0"	1 3/4"	F-1	HM	P-7	FL-1	HM	P-7			90 MIN	14	
11139	MENS RESTROOM	3' - 0"	7' - 0"	1 3/4"	F-1	WD SC	ST	FL-1	HM	P-7				09	
E100		6' - 0"	8' - 0"	1 3/4"	FRP-1	FRP	P-8	FLG-1	ALUM	ALUM	GL-2			01	
E101	CORRIDOR	3' - 0"	8' - 0"	1 3/4"	FRP-1	FRP	P-8	FLG-2	ALUM	ALUM	GL-2			02A	ADD ALT 1
E101	CORRIDOR	3' - 0"	7' - 2"	1 3/4"	F-1	FRP	P-8	FL-1	ALUM	ALUM				02	BASE BID
E102	CORRIDOR	3' - 0"	7' - 2"	1 3/4"	F-1	FRP	P-8	FL-1	ALUM	ALUM				02	
E103		6' - 0"	7' - 2"	1 3/4"	F-1	FRP	P-8	FL-1	ALUM	ALUM				03	
E104		6' - 0"	7' - 2"	1 3/4"	F-1	FRP	P-8	FL-1	ALUM	ALUM				04	
E105		3' - 0"	7' - 2"	1 3/4"	F-1	FRP	P-8	FL-1	ALUM	ALUM				05	
E106	STAGING AREA	3' - 0"	7' - 2"	1 3/4"	F-1	FRP	P-8	FL-1	ALUM	ALUM				02	
E107		12' - 0"	10' - 8"	2"	COILING	ALUM	ALUM	COILING	ALUM	P-7				06	INSULATED OVERHEAD COILING DOOR

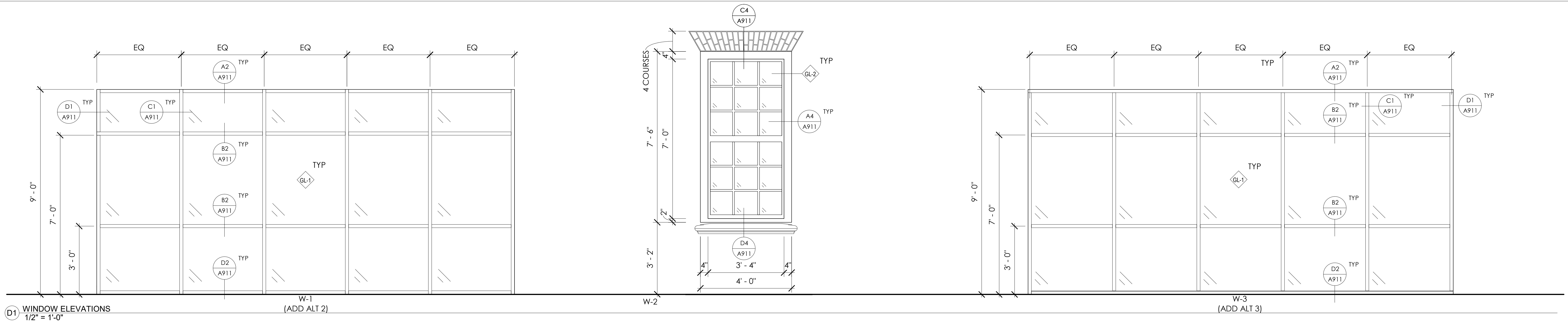
A4 LOUVER ELEVATIONS
1/2" = 1'-0"



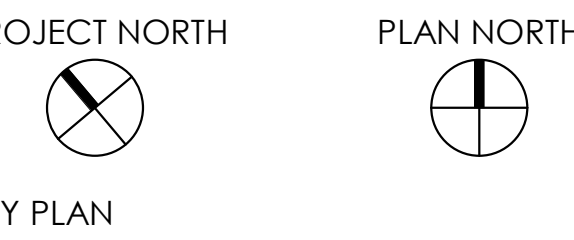
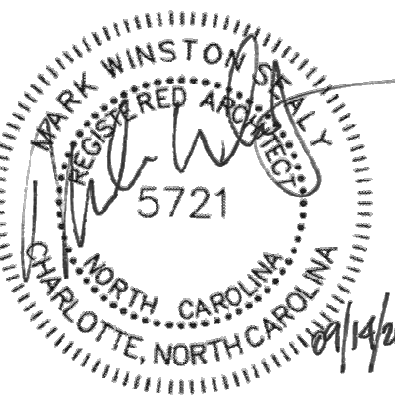
B4 DOOR PANEL ELEVATIONS
1/2" = 1'-0"



C1 DOOR FRAME ELEVATIONS
1/2" = 1'-0"



D1 WINDOW ELEVATIONS
1/2" = 1'-0"



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CHECKED BY: MS

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October 7, 2020

DOOR SCHEDULE,
DOOR ELEVATIONS, &
WINDOW ELEVATIONS

A900

SCALE: 1/2" = 1'-0"

A

B

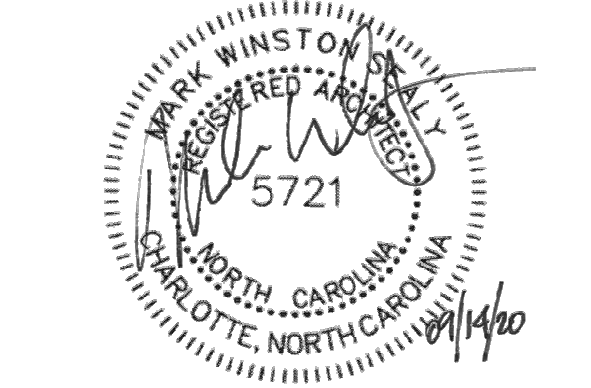
C

D

ROOM FINISH KEY SCHEDULE								
KEY NAME	MATERIAL	LOCATION	MANUFACTURER	SERIES.MODEL	COLOR	SIZE	ACCESSORY	REMARKS
FLOOR								
CPT-1	CARPET TILE	OFFICES	MILLIKEN	LOW COUNTRY SEA FALL	SFL201-13 TIDAL	25 CM X 1 M	N/A	
CPT-2	CARPET TILE	CONFERENCE ROOM AND CHAIR	MILLIKEN	LOW COUNTRY ESTUARY	EST201-13 TIDAL	25 CM X 1 CM		
SC-1	EPOXY	LABS	SHERWIN WILLIAMS	TILE CLAD HS EPOXY	SW7026 GRIFFIN			
SC-2	SEALED CONCRETE	MECHANICAL SPACES	SHERWIN WILLIAMS					
VCT-1	VINYL COMPOSITION TILE	PROJECT STANDARD	ARMSTRONG	STANDARD EXCELRON IMPERIAL TEXTURE	51901 TAUPE	12"x12"	N/A	
VCT-2	VINYL COMPOSITION TILE	ACCENT	ARMSTRONG	STANDARD EXCELRON IMPERIAL TEXTURE	51882 SERENE BLUE	12"x12"	N/A	
VCT-3	VINYL COMPOSITION TILE	ACCENT	ARMSTRONG	STANDARD EXCELRON IMPERIAL TEXTURE	57506 COLORADO STONE	12"x12"		
VCT-4	VINYL COMPOSITION TILE	ACCENT	ARMSTRONG	STANDARD EXCELRON IMPERIAL TEXTURE	51946 GENTIAN BLUE	12"x12"		
VCT-5	VINYL COMPOSITION TILE	ACCENT	ARMSTRONG	STANDARD EXCELRON IMPERIAL TEXTURE	51810 WASHED LINEN	12"x12"		
VCT-6	VINYL COMPOSITION TILE	ACCENT	ARMSTRONG	STANDARD EXCELRON IMPERIAL TEXTURE	51899 COOL WHITE	12"x12"		
BASE								
VB-1	VINYL BASE	RESILIENT FLOORING SPACES	JOHNSONITE	TRADITIONAL WALL BASE	TB1 PEPPER CORN	1/8" THICK, 4" HIGH	N/A	
VB-2	VINYL BASE	CARPETED SPACES	JOHNSONITE	TRADITIONAL WALL BASE	TA4 GATEWAY WG	1/8" THICK, 4" HIGH		TOELESS
WALL								
FRP-1	FIBERGLASS REINFORCED PLASTIC PANEL	FACULTY RESEARCH LAB AND HOUSE KEEPING	MARLITE	STANDARD FRP	S 100 S/2/S WHITE	4' X 8'	FRPT-1	SMOOTH FINISH, INSTALL FRPT-1 AT ALL EXPOSED EDGES
P-1	PAINT	PROJECT STANDARD	SHERWIN WILLIAMS		SW9165 GOSSAMER VEIL	N/A	N/A	EGGSHELL FINISH
P-1B	EPOXY PAINT	FACULTY OPEN LAB AND RESTROOMS	SHERWIN WILLIAMS	TILE CLAD HS EPOXY	SW9165 GOSSAMER VEIL	N/A	N/A	EPOXY FINISH
P-2	PAINT	FACULTY OFFICE AND CLASSROOM ACCENT	SHERWIN WILLIAMS		SW0020 PEACOCK PLUME	N/A	N/A	EGGSHELL FINISH
P-2B	EPOXY PAINT	WOMEN'S RESTROOM ACCENT	SHERWIN WILLIAMS	TILE CLAD HS EPOXY	SW0020 PEACOCK PLUME	N/A	N/A	EPOXY FINISH
P-3	PAINT	INSTRUCTIONAL LAB AND CLASSROOM ACCENT	SHERWIN WILLIAMS		SW9149 INKY BLUE	N/A	N/A	EGGSHELL FINISH
P-4	PAINT	COMPUTER LAB ACCENT	SHERWIN WILLIAMS		SW9147 FAVORITE JEANS	N/A	N/A	EGGSHELL FINISH
P-4B	EPOXY PAINT	MEN'S RESTROOM ACCENT	SHERWIN WILLIAMS	TILE CLAD HS EPOXY	SW9147 FAVORITE JEANS	N/A	N/A	EPOXY FINISH
P-5	PAINT	CONFERENCE AND FACULTY CHAIR ACCENT	SHERWIN WILLIAMS		SW6444 LOUNGE GREEN	N/A	N/A	EGGSHELL FINISH
P-9	FIRE RESISTIVE PAINT	MDF	SHERWIN WILLIAMS	FLAME CONTROL/FLAT INTUMESCENT FIRE RETARDANT/20-20A	SW9165 GOSSAMER VEIL	N/A	N/A	SEE NOTE 2 ON TC201
CEILING								
ACP-1	ACOUSTICAL CEILING PANEL	PROJECT STANDARD	USG	ORION 85 ACOUSTICAL PANELS	WHITE	2' X 2'	N/A	SQUARE EDGE
GWB-1	GYPSUM WALL BOARD	FACULTY OPEN LAB			P-6	N/A	N/A	
P-6	EPOXY PAINT	FACULTY OPEN LAB CEILING	SHERWIN WILLIAMS	TILE CLAD HS EPOXY	SW7007 CEILING BRIGHT WHITE	N/A	N/A	EPOXY FINISH
MISCELLANEOUS								
TP-1	TOILET PARTITION	RESTROOMS	GENERAL PARTITIONS	SOLID PHENOLIC CORE PANEL	4170-60 BEIGE PAMPAS			
CASEWORK								
HPL-1	HIGH PRESSURE LAMINATE	WORK ROOM CABINETS	FORMICA	LAMINATE	5488-NT SMOKY BROWN PEAR			NATURELLE FINISH
HPL-2	HIGH PRESSURE LAMINATE	WORK ROOM COUNTERTOP	FORMICA	LAMINATE	8956-58 BUBBLE SCIENCE			MATTE FINISH
HPL-3	HIGH PRESSURE LAMINATE	RESTROOM SINK APRONS	FORMICA	LAMINATE	8842-WR WEATHERED ASH			WOODBURSH FINISH
SS-1	SOLID SURFACE	RESTROOM COUNTERTOP	FORMICA	SOLID SURFACING	BIANCO MINERAL 758	30" X 144", 1/2" THICKNESS		
TRIM								
FRPT-1	FIBERGLASS REINFORCED PLASTIC TRIM	FACULTY RESEARCH LAB AND HOUSE KEEPING	MARLITE	PVC TRIM	WHITE	M370 EDGE - 8' LENGTH		
P-7	PAINT	HOLLOW METAL DOOR FRAMES	SHERWIN WILLIAMS		SW7005 PURE WHITE			SEMI-GLOSS FINISH
TS-1	TRANSITION STRIP	PROJECT STANDARD		CTA-40-A	40 BLACK			TRANSITION FROM VCT TO CPT
TS-2	TRANSITION STRIP	PROJECT STANDARD	JOHNSONITE	RRS-40-D	40 BLACK			TRANSITION FROM VCT TO SC
TS-3	TRANSITION STRIP	PROJECT STANDARD	JOHNSONITE	CRS-40-A	40 BLACK			TRANSITION FROM CPT TO SC
EXTERIOR								
P-8	PAINT	PROJECT STANDARD	SHERWIN WILLIAMS		SW2429 PALAIS WHITE			LATEX FLAT FINISH - ALL EXTERIOR PAINTED SURFACES, UNO

ROOM FINISH SCHEDULE

ROOM FINISH SCHEDULE									
ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH			CEILING FINISH	Comments	
				NORTH	SOUTH	EAST			WEST
FIRST FLOOR									
1100	RECEPTION	VCT-1/VCT-2/VCT-3/VCT-4/VCT-5/VCT-6	VB-1	P-1	P-1	P-1	P-1	ACP-1	SEE ID100 FOR FLOOR FINISH PATTERN
1101	CONFERENCE ROOM	CPT-2	VB-2	P-1	P-1	P-1	P-5	ACP-1	
1102	BREAK ROOM/ VENDING	VCT-1	VB-1	P-1	P-1	P-1	P-1	ACP-1	
1103	CORRIDOR	VCT-1	VB-1	P-1	P-1	P-1	P-1	ACP-1	
1104	CHAIR	CPT-2	VB-2	P-1	P-1	P-5	P-1	ACP-1	
1105	FACULTY RESEARCH LAB	SC-1	VB-1	P-1	P-1	P-1	P-1	NO CEILING	
1106	FACULTY OFFICE	CPT-1	VB-2	P-1	P-1	P-2	P-1	ACP-1	INSTALL FRP-1 BEHIND DRENCH SHOWER
1107	FACULTY RESEARCH LAB	SC-1	VB-1	P-1	P-1	P-1	P-1	NO CEILING	
1108	FACULTY OFFICE	CPT-1	VB-2	P-1	P-1	P-1	P-2	ACP-1	
1110	FACULTY OFFICE	CPT-1	VB-2	P-1	P-1	P-2	P-1	ACP-1	
1112	FACULTY OFFICE	CPT-1	VB-2	P-1	P-1	P-1	P-2	ACP-1	INSTALL FRP-1 BEHIND DRENCH SHOWER
1113	FACULTY RESEARCH LAB	SC-1	VB-1	P-1	P-1	P-1	P-1	NO CEILING	
1121	CORRIDOR	VCT-1	VB-1	P-1	P-1	P-1	P-1/P-2	ACP-1	
1122	PRINTER ALCOVE	VCT-1	VB-1	P-1	P-1	P-1	P-1	ACP-1	
1123	CORRIDOR	VCT-4	VB-1	P-1	P-1	P-1	P-1	ACP-1	
1124	INSTRUCTIONAL LAB	VCT-3/VCT-5/VCT-6	VB-1	P-1	P-1	P-2	P-1	ACP-1	
1127	COMPUTER LAB	VCT-2/VCT-5/VCT-6	VB-1	P-1	P-4	P-1	P-1	ACP-1	
1128	INSTRUCTIONAL LAB	VCT-4/VCT-5/VCT-6	VB-1	P-1	P-1	P-3	P-1	ACP-1	
1129	CLASSROOM	VCT-1/VCT-5/VCT-6	VB-1	P-1	P-1	P-3	P-1	ACP-1	
1131	FACULTY OPEN LAB	SC-1	VB-1	P-1B	P-1B	P-1B	P-1B	ACP-1	
1131A	STAGING AREA	SC-1	VB-1	P-1B	P-1B	P-1B	P-1B	GW8-1	ACP-1
1131B	MECH	SC-2	VB-1	P-1	P-1	P-1	P-1	NO CEILING	
1131C	MACHINE	SC-1	VB-1	P-1	P-1	P-1	P-1	NO CEILING	NO CEILING
1131D	STORAGE	SC-2	VB-1	P-1	P-1	P-1	P-1	NO CEILING	
1131E	LAB TECH	CPT-1	VB-2	P-1	P-1	P-1	P-1	ACP-1	
1131F	BENCH	SC-1	VB-1	P-1	P-1	P-1	P-1	ACP-1	
1133	STUDENT OPEN LAB	SC-1	VB-1	P-1	P-1	P-1	P-1	NO CEILING	
1134	CORRIDOR	VCT-2/VCT-3/VCT-5	VB-1	P-1	ACP-1	P-1	P-1	ACP-1	
1135	WOMENS RESTROOM	VCT-1/VCT-3/VCT-6	VB-1	P-1B	P-1B	P-2B	P-1B	ACP-1	SEE ID100 FOR FLOOR FINISH PATTERN
1136	MDF	SC-2	VB-1	P-9	P-9	P-9	P-9	NO CEILING	SEE TC201 FOR ADDITIONAL WALL/MATERIAL FINISH NOTES
1137	FAMILY RESTROOM	VCT-1/VCT-5/VCT-6	VB-1	P-1B	P-1B	P-1B	P-1B	ACP-1	SEE ID100 FOR FLOOR FINISH PATTERN
1139	MENS RESTROOM	VCT-1/VCT-2-VCT-6	VB-1	P-1B	P-1B	P-1B	P-4B	ACP-1	SEE ID100 FOR FLOOR FINISH PATTERN
1141	HOUSE KEEPING	SC-2	VB-1	P-1	P-1	P-1	P-1/FRP-1	ACP-1	INSTALL FRP-1 BEHIND MOP SINK
1143	SECURITY	SC-2	VB-1	P-1	P-1	P-1	P-1	NO CEILING	
1145	ATS	SC-2	VB-1	P-1	P-1	P-1	P-1	NO CEILING	
1147	ELECTRICAL	SC-2	VB-1	P-1	P-1	P-1	P-1	NO CEILING	
1149	MECHANICAL	SC-2	VB-1	P-1	P-1	P-1	P-1	NO CEILING	
1151	RISER ROOM	SC-2	VB-1	P-1	P-1	P-1	P-1	NO CEILING	



CONSTRUCTION
DOCUMENTS

Revision Schedule		
#	Description	Date
1	Addendum 1	10/7/20

Coastal Engineering
Building



University of North Carolina
Wilmington

5236 Randall Drive
Wilmington, NC 28403
SCO PROJECT NUMBER: 20-21673-01A

CODE: 41928

ITEM: 302

SGA | NW DESIGN PROJECT NUMBER:
19-202-01

DESIGNED BY: Author
DRAWN BY: Author
CHECKED BY: Checker

ISSUE DATE:
October 7, 2020

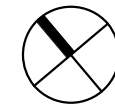
FINISH KEY & ROOM
FINISH SCHEDULE

ID200

SCALE:

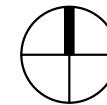


PROJECT NORTH



KEY PLAN

PLAN NORTH



CONSTRUCTION DOCUMENTS

Revision Schedule

#	Description	Date
1	ADDENDUM #1	10-07-20

Coastal Engineering
Building



University of North Carolina
Wilmington

5236 Randall Drive
Wilmington, NC 28403
SCO PROJECT NUMBER: 20-21673-01A

CODE: 41928

ITEM: 302

SGA | NW DESIGN PROJECT NUMBER:
19-202-01 (LRSPC#19450)

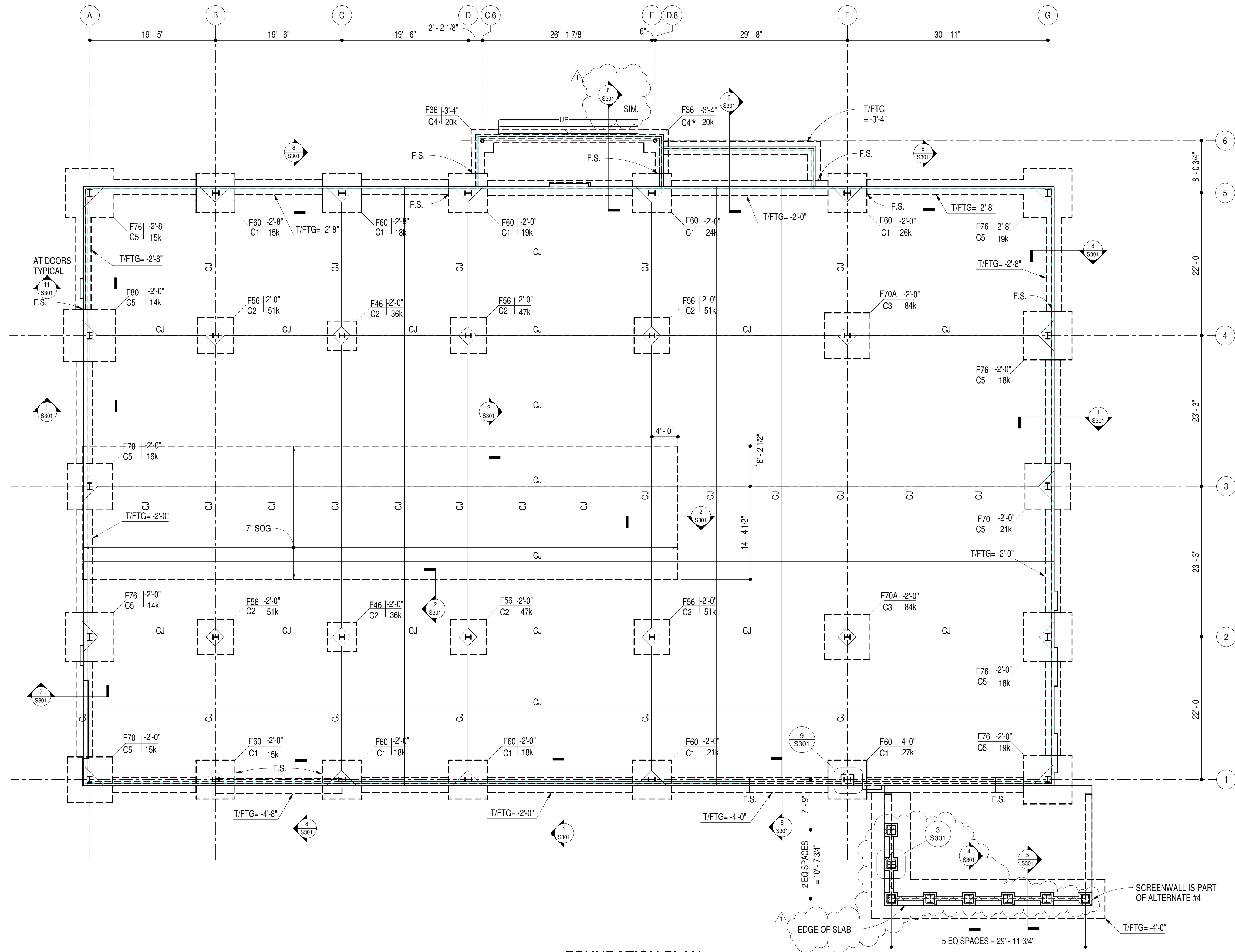
DESIGNED BY: RES
DRAWN BY: RES
CHECKED BY: MSR

ISSUE DATE:
SEPTEMBER 14, 2020

STRUCTURAL
FOUNDATION PLAN

S100

SCALE: 1/8" = 1'-0"



FOUNDATION PLAN

1/8" = 1'-0"

FOOTING FOUNDATION PLAN NOTES:

1. T/SL IS AT DATUM ELEVATION (0'-0"). DATUM ELEVATION IS SET AT ELEV. 43.75' PER CIVIL DRAWINGS (CONFIRM WITH ARCHITECT). ELEVATIONS FOR FOOTINGS, SLABS, STEEL WALLS, FLOORS, ELEVATOR PITTS, ETC. ARE REFERENCED + OR - FROM T/SL ELEVATION (I.E. T/SL +2'-6", T/W -5'-3", T/STL -6'1/4", ETC.).

2. T/FTG ELEVATIONS ARE SHOWN ON PLAN FOR STRIP AND SPREAD FOOTINGS. TOP OF STRIP FOOTING ELEVATION MATCHES TOP OF ADJACENT SPREAD FOOTING ELEVATION, U.N.O. FOOTING STEPS ARE SHOWN IN RELATIVE LOCATIONS UNLESS NOTED OTHERWISE ON PLAN. SEE SHT. S002 "STRUCTURAL TYPICAL DETAILS" FOR FOOTING STEP AND SPACING REQUIREMENTS. CONTRACTOR SHALL COORDINATE AND FIELD VERIFY GRADING PLANS WITH STRUCTURAL FOUNDATION DETAILS TO MAINTAIN REQUIRED EARTH COVER AND REQUIRED DEPTH TO BOTTOM OF FOOTINGS.

3. TYPICAL SLAB ON GRADE (S.O.G.) IS 4" NORMAL WEIGHT CONCRETE REINFORCED WITH #3 @ 15" O/C E.W. ON 4" CRUSHED STONE BASE AT 7" S.O.G. USE #3 @ 8" O.C. EACH WAY AND A 6" CRUSHED STONE BASE. SEE ARCHITECT FOR VAPOR RETARDER, IF REQUIRED. SUPPORT REINFORCING AT 1" FROM TOP OF S.O.G. WITH SAND PLATES (CHAIRS WITH SHEET METAL PLATE BASES) OR OTHER ACCEPTABLE DEVICES. BRICKS ARE NOT PERMITTED.

4. PROVIDE THICKENED S.O.G. UNDER ALL MASONRY WALLS (SEE ARCHITECT FOR WALL LOCATIONS, WHETHER OR NOT WALLS ARE SHOWN ON FOUNDATION PLAN) WHERE STRIP FOOTINGS ARE NOT SHOWN ON FOUNDATION PLAN. SEE SHEET S003 "STRUCTURAL TYPICAL DETAILS" FOR REQUIREMENTS.

5. CONTROL JOINTS (CJ), EITHER SAW CUT OR STRIPPABLE, IN SOG ARE SHOWN IN RELATIVE LOCATIONS ON PLAN. SEE SHEET S003 "STRUCTURAL TYPICAL DETAILS" FOR TYPICAL CONTROL JOINT DETAILS. WHERE CONTRACTOR DESIRES TO BREAK SLAB POURS ALONG THESE JOINTS, THE TYPICAL CONSTRUCTION JOINT DETAILS ON SHT. S003 SHALL BE USED.

6. UNLESS SPECIFICALLY DIRECTED BY GEOTECHNICAL ENGINEER, NO UNDERCUTTING AND BACKFILLING WITH SOIL IS PERMITTED UNDER ANY FOOTINGS. LEAN CONCRETE (f_c = 2000 PSI) OR FOOTING CONCRETE SHALL BE USED TO "BACKFILL" ANY OVEREXCAVATION.

7. FOR FOUNDATION OR BASEMENT WALLS RECEIVING BACKFILL, SEE SECTION 4.0 "FOUNDATIONS" NOTES ON SHEET S-001 "STRUCTURAL GENERAL NOTES" FOR BRACING AND BACKFILLING REQUIREMENTS, U.N.O. ON DRAWINGS.

8. MASONRY SHOWN ON STRUCTURAL DRAWINGS DEFINES ONLY THE EXTENT AND REQUIREMENTS OF MASONRY UTILIZED FOR STRUCTURAL PURPOSES (I.E. BEARING WALLS, SHEAR WALLS, RETAINING WALLS, FOUNDATION WALLS, COLUMNS, ETC.).

9. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND DRAWINGS OF OTHER DISCIPLINES FOR LOCATIONS AND DIMENSIONS OF OPENINGS, DEPRESSIONS, NON-STRUCTURAL MASONRY, AND MASONRY VENEER/PRECAST PANEL CLADDING SYSTEMS.

10. SEE SHT. S001-S002 FOR "STRUCTURAL GENERAL NOTES" AND SHT. S003-S004 FOR "STRUCTURAL TYPICAL DETAILS". TYPICAL DETAILS ARE GENERALLY NOT CUT ON PLANS BUT RATHER ARE INTENDED TO DEFINE TYPICAL CONSTRUCTION CONDITIONS. WHERE TYPICAL DETAILS ARE CUT ON PLAN, THE INTENT IS TO ILLUSTRATE THE TYPE OF CONDITION AT WHICH THAT DETAIL IS INTENDED TO APPLY RATHER THAN EVERY OCCURRENCE OF THAT DETAIL.

11. SEE SHT. S100 FOR FOOTING SCHEDULE.

12. SEE SHT. S100 FOR COLUMN SCHEDULE.

13. FOOTINGS ARE NOTED ON PLAN WITH THE FOLLOWING DESIGNATIONS:

FXF = FOOTING MARK PER SCHEDULE
T/FTG = TOP OF FOOTING FROM T/SL
CXX = COLUMN MARK PER SCHEDULE
XX K = COLUMN LOAD (KIPS)

FXF | T/FTG
CXX | XXk

FOOTING SCHEDULE F_p=2000 PSF

MARK	SIZE (LxWxD)	REINF.	REMARKS
F36	3'-6"x3'-6"x1'-0"	(9) #4 E.W. BOTTOM	
F46	4'-6"x4'-6"x1'-0"	(8) #4 E.W. BOTTOM	
F56	5'-6"x5'-6"x1'-0"	(8) #4 E.W. BOTTOM	
F60	6'-0"x6'-0"x1'-6"	(8) #5 E.W. TOP AND BOTTOM	
F70	7'-0"x7'-0"x1'-6"	(9) #5 E.W. TOP AND BOTTOM	
F70A	7'-0"x7'-0"x1'-0"	(7) #5 E.W. BOTTOM	
F76	7'-6"x7'-6"x1'-6"	(7) #6 E.W. TOP AND BOTTOM	
F80	8'-0"x8'-0"x1'-6"	(8) #6 E.W. TOP AND BOTTOM	

COLUMN SCHEDULE

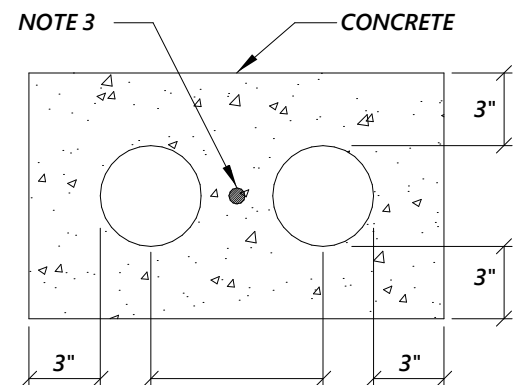
MARK	SIZE	BASE PLATE	REMARKS
C1	W12x40	SEE 1/S501	TYPE 1
C2	W10x33	PL 3/4"x12"x1'-0" W/ (4) 3/4" DIA F1554, GR36 ANCHOR BOLTS	TYPE 2
C3	W10x45	PL 3/4"x13"x1'-1" W/ (4) 3/4" DIA F1554, GR36 ANCHOR BOLTS	TYPE 2
C4*	HSS5.563x0.134	PL 3/4"x12"x1'-0" W/ (4) 3/4" DIA F1554, GR36 ANCHOR BOLTS	* THESE COLUMNS ARE PART OF ALTERNATE #6
C5	W12x45	SEE 1/S501	TYPE 1

A

B

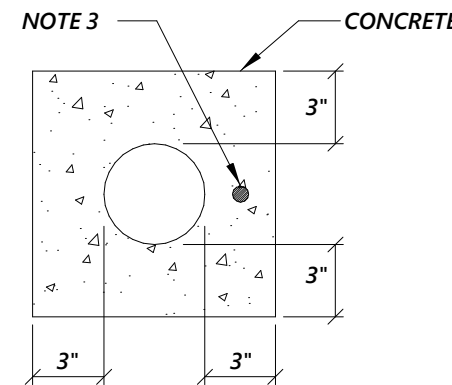
C

D



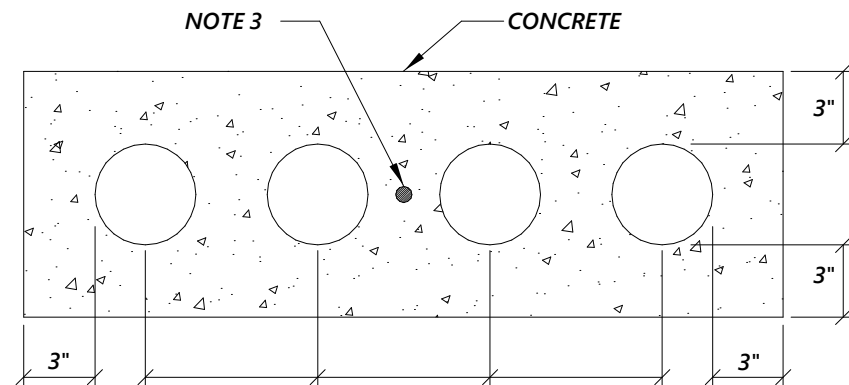
- NOTES:
- SEE "TYPICAL DUCTBANK TRENCH DETAIL" FOR ADDITIONAL REQUIREMENTS.
 - CONDUITS NOT DRAWN TO SCALE.
 - INSTALL 1/2 BARE COPPER GROUND WIRE WITHIN CONCRETE ALONG ENTIRE DUCTBANK LENGTH. EXOTHERMICALLY CONNECT TO GROUND TRIAD RING. THIS GROUND WIRE IS IN ADDITION TO ANY GROUNDED (NEUTRAL) AND GROUNDING CONDUCTORS INDICATED TO BE INSTALLED WITHIN THE CONDUITS. ALTERNATE THE POSITION OF THE GROUND WIRE THROUGH THE DUCT SPACERS TO PREVENT SAG. ELECTRICAL POWER DUCTBANKS ONLY.

7 2-WAY (2Hx1V) DUCTBANK SECTION
NO SCALE



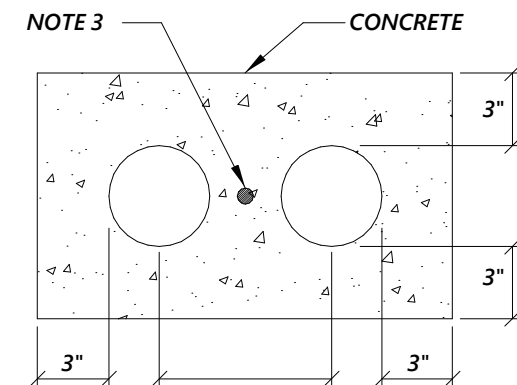
- NOTES:
- SEE "TYPICAL DUCTBANK TRENCH DETAIL" FOR ADDITIONAL REQUIREMENTS.
 - CONDUITS NOT DRAWN TO SCALE.
 - INSTALL 1/2 BARE COPPER GROUND WIRE WITHIN CONCRETE ALONG ENTIRE DUCTBANK LENGTH. EXOTHERMICALLY CONNECT TO GROUND TRIAD RING. THIS GROUND WIRE IS IN ADDITION TO ANY GROUNDED (NEUTRAL) AND GROUNDING CONDUCTORS INDICATED TO BE INSTALLED WITHIN THE CONDUITS. ALTERNATE THE POSITION OF THE GROUND WIRE THROUGH THE DUCT SPACERS TO PREVENT SAG. ELECTRICAL POWER DUCTBANKS ONLY.

6 1-WAY (1Hx1V) DUCTBANK SECTION
NO SCALE



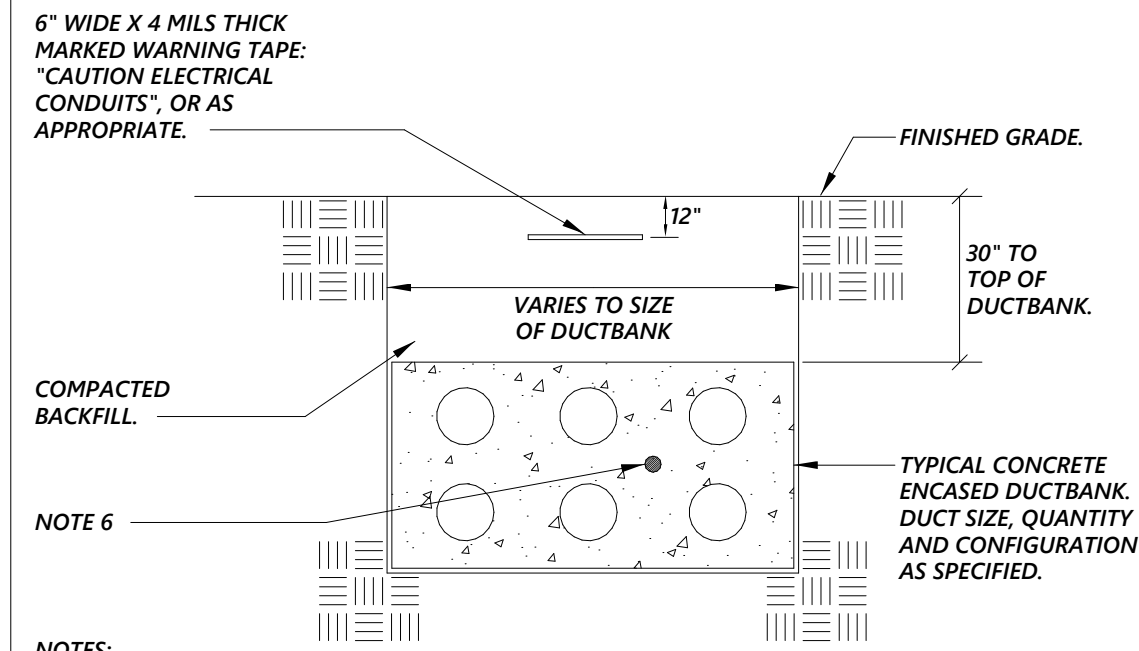
- NOTES:
- SEE "TYPICAL DUCTBANK TRENCH DETAIL" FOR ADDITIONAL REQUIREMENTS.
 - CONDUITS NOT DRAWN TO SCALE.
 - INSTALL 1/2 BARE COPPER GROUND WIRE WITHIN CONCRETE ALONG ENTIRE DUCTBANK LENGTH. EXOTHERMICALLY CONNECT TO GROUND TRIAD RING. THIS GROUND WIRE IS IN ADDITION TO ANY GROUNDED (NEUTRAL) AND GROUNDING CONDUCTORS INDICATED TO BE INSTALLED WITHIN THE CONDUITS. ALTERNATE THE POSITION OF THE GROUND WIRE THROUGH THE DUCT SPACERS TO PREVENT SAG. ELECTRICAL POWER DUCTBANKS ONLY.

5 4-WAY (4Hx1V) DUCTBANK SECTION
NO SCALE



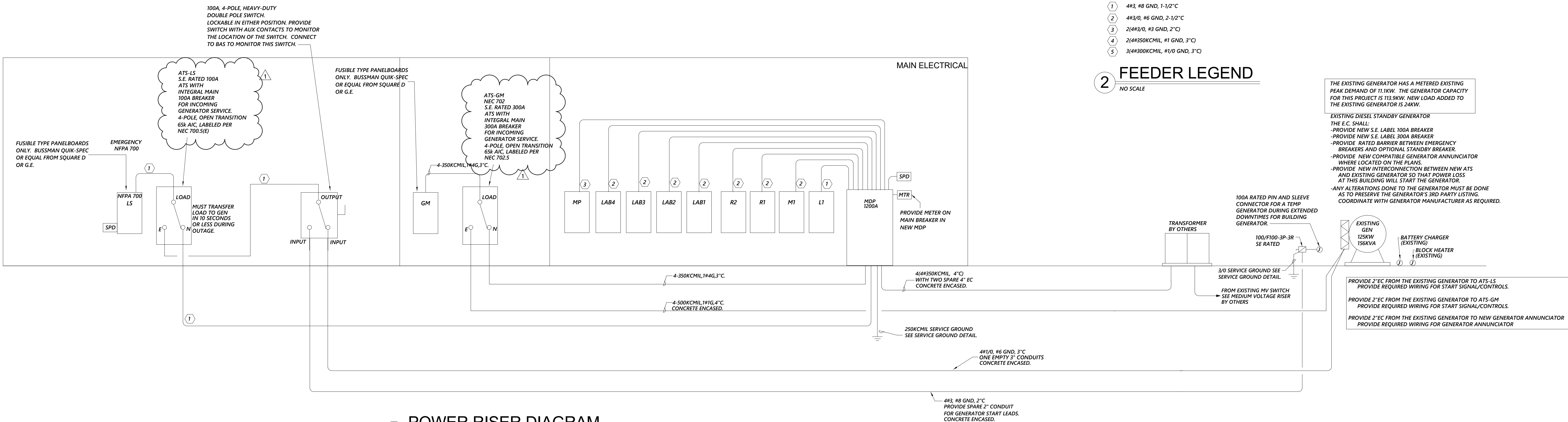
- NOTES:
- SEE "TYPICAL DUCTBANK TRENCH DETAIL" FOR ADDITIONAL REQUIREMENTS.
 - CONDUITS NOT DRAWN TO SCALE.
 - INSTALL 1/2 BARE COPPER GROUND WIRE WITHIN CONCRETE ALONG ENTIRE DUCTBANK LENGTH. EXOTHERMICALLY CONNECT TO GROUND TRIAD RING. THIS GROUND WIRE IS IN ADDITION TO ANY GROUNDED (NEUTRAL) AND GROUNDING CONDUCTORS INDICATED TO BE INSTALLED WITHIN THE CONDUITS. ALTERNATE THE POSITION OF THE GROUND WIRE THROUGH THE DUCT SPACERS TO PREVENT SAG. ELECTRICAL POWER DUCTBANKS ONLY.

4 2-WAY (2Hx1V) DUCTBANK SECTION
NO SCALE



- NOTES:
- DUCTS SHALL BE PITCHED TO DRAIN TOWARD MANHOLES AND HANDHOLES AND AWAY FROM BUILDINGS AND EQUIPMENT AS APPROPRIATE.
 - DUCT SPACERS SHALL BE INSTALLED AND COORDINATED WITH THE DUCT SIZE. SPACING SHALL BE AS REQUIRED BY THE MANUFACTURER AND TO PREVENT SAGGING/DEFORMING OF DUCTS. SPACERS SHALL BE SECURED BY NON-FERROUS MEANS TO PREVENT FLOATING DURING CONCRETE POUR.
 - ALL DUCTS SHALL BE SEALED AT TERMINATIONS WITH APPROVED SEALING COMPOUND AND PLUGS, RATED TO WITHSTAND MINIMUM 15 PSI HYDROSTATIC PRESSURE.
 - ALL DUCTS SHALL BE RODDED, CLEARED AND SWABBED TO REMOVE ALL OBSTRUCTIONS AFTER INSTALLATION AND HAVE A WATERPROOF PULL CORD INSTALLED (50 LB MINIMUM TENSILE TEST). CORD SHALL BE FACTORY MARKED AT MINIMUM ONE FOOT INTERVALS.
 - VIBRATE CONCRETE TO FILL VOIDS.
 - INSTALL 1/2 BARE COPPER GROUND WIRE WITHIN CONCRETE ALONG ENTIRE DUCTBANK LENGTH. EXOTHERMICALLY CONNECT TO GROUND TRIAD RING. THIS GROUND WIRE IS IN ADDITION TO ANY GROUNDED (NEUTRAL) AND GROUNDING CONDUCTORS INDICATED TO BE INSTALLED WITHIN THE CONDUITS. ALTERNATE THE POSITION OF THE GROUND WIRE THROUGH THE DUCT SPACERS TO PREVENT SAG. ELECTRICAL POWER DUCTBANKS ONLY.
 - CONCRETE STRENGTH SHALL BE 3000 PSI @ 28 DAYS MINIMUM.
 - CONCRETE THERMAL RESISTIVITY (RHO) SHALL BE 0.55 m-C/W OR LESS.
 - MEDIUM VOLTAGE, BUILDING PRIMARY AND SECONDARY DUCTBANKS ARE TO BE DYED RED. COORDINATE WITH OWNER PRIOR TO WORK BEGINNING.

3 TYPICAL DUCTBANK TRENCH DETAIL
NO SCALE



1 POWER RISER DIAGRAM
NTS

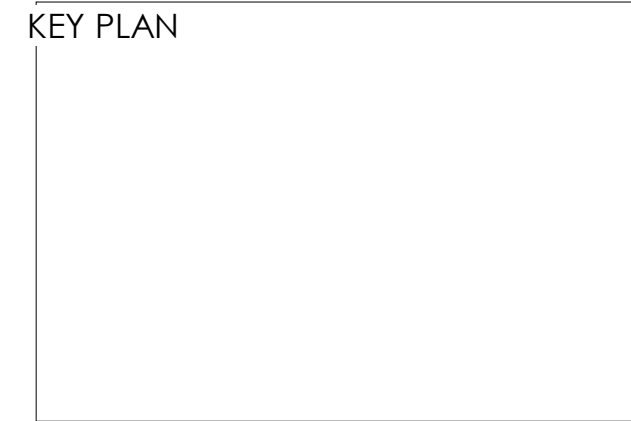
- GENERAL NOTES:
- E.C. SHALL PROVIDE A PIT SEPARATION BARRIER AT THE UTILITY TRANSFORMER BETWEEN THE LOW VOLTAGE AND HIGH VOLTAGE SECTIONS.
 - TYPE OF METER ON "MDP" IS TO BE VERIFIED WITH OWNER PRIOR TO ORDERING. BASIS OF DESIGN IS "HONEYWELL-E-MON" CLASS 3200 OR EQUAL (SQUARE-D OR VERIS). METERS ARE SHOWN AS (TYP). COORDINATE COMMUNICATION PROTOCOL WITH M.C. PRIOR TO ORDERING.
 - FEEDERS THAT ARE REQUIRED TO BE CONCRETE ENCASED ARE TO BE CONCRETE ENCASED UNTIL TERMINATION POINT, INCLUDING UNDER BUILDING SLABS. EXCAVATION WILL BE REQUIRED IN EXISTING MAIN ELECTRICAL ROOM.
 - PROVIDE CONCRETE PAD FOR INDOOR TRANSFORMER. PAD SPECS ARE TO BE COORDINATED WITH TRANSFORMER MANUFACTURER.
 - ALL ELECTRICAL CONDUCTORS SHALL BE COPPER.

9/14/2020

PROJECT NORTH PLAN NORTH



KEY PLAN



Construction
Documents

Revision Schedule		
#	Description	Date
1	ADDENDUM #1	10/7/20

Coastal Engineering
Building



University of North Carolina
Wilmington

5236 Randall Drive
Wilmington, NC 28403
SCO PROJECT NUMBER:
20-21673-01A

CODE:
41928
ITEM:
302

SGA | NW DESIGN PROJECT NUMBER:
19-202-01

DESIGNED BY: AJH
DRAWN BY: AJH
CHECKED BY: BLM

ISSUE DATE:
September 14, 2020

ELECTRICAL
DIAGRAMS

E701

SCALE: 1/8" = 1'-0"

