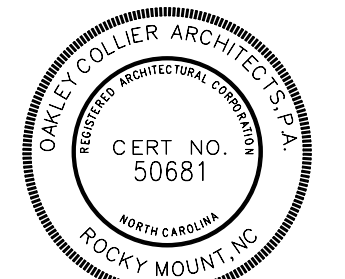


NEW CONSTRUCTION NORTH GRANVILLE COUNTY SENIOR CENTER

303 OXFORD ST
STOVALL, NC 27582



GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all dimensions.

Date	Project No.
FEB 12 2024	22042
Drawn By	Sheet No.
TW	GO.1
Checked By	Sheet Title
DG	COVERSHEET

ABBREVIATIONS

@ AT	ELEV ELEVATION	MTL METAL	SSG STRUCTURAL SILICON GLAZING																																																																																																																																																																																
ACC ACCENT COLOR	EN ENAMEL	MVM METAL WALK-OFF MAT	SSM SOLID SURFACE																																																																																																																																																																																
ACOUS ACOUSTIC	EPT HIGH PERFORMANCE	MWT MARBLE WALL TILE	ST STEEL																																																																																																																																																																																
ACT ACOUSTICAL CEILING TILE	EQ EPOXY PAINT	N/A NOT APPLICABLE	ST&R STAIR TREADS AND RISERS																																																																																																																																																																																
AD AREA DRAW	ES EXPOSED STRUCTURE	NC NOT IN CONTRACT	STD STANDARD																																																																																																																																																																																
ADJ ADJUSTABLE	EST EXISTING	NOM NORMAL	SUS SUSPENDED																																																																																																																																																																																
AE APPROVED EQUAL	EXP EXTERIOR	OC ON CENTER	T&G TONGUE AND GROOVE																																																																																																																																																																																
AFF ABOVE FINISH FLOOR	EXT EXTERIOR	OD OUTSIDE DIAMETER	TB TILE BASE																																																																																																																																																																																
AFL ATHLETIC FLOORING	EW EACH WAY	OFCI OWNER FURNISHED	TC TERRA COTTA																																																																																																																																																																																
AHU AIR HANDLING UNIT	EWIC ELECTRIC WATER COOLER	CONTRACTOR INSTALLED	TCA TILE COUNCIL OF AMERICA																																																																																																																																																																																
ALUM ALUMINUM	FC FIRECODE	OFOI OWNER FURNISHED	TELE TELEPHONE																																																																																																																																																																																
ANOD ANODIZED	FD FLOOR DRAIN	OPP OPPOSITE	TEMP TEMPERED																																																																																																																																																																																
ANSI AMERICAN NATIONAL	FE FIRE EXTINGUISHER	OSC OVERFLOW SCUPPER	TEXT TEXTURED																																																																																																																																																																																
STANDARDS INSTITUTE	FEC FIRE EXTINGUISHER	OZ OUNCE	TFT TERRAZZO FLOOR																																																																																																																																																																																
ATTEN ATTENTION	FF FINISH FLOOR	P PAINT	TILE																																																																																																																																																																																
AWP ACRYLIC WALL PANELS	FH FIRE HYDRANT	PC POLISHED CONCRETE	TOC TOP OF CURB																																																																																																																																																																																
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SYMBOL LEGEND

DRAWING NO.	DRAWING NAME
SHEET NO.	SCALE
DETAIL NO.	BUILDING SECTION MARK
SHEET NO.	WALL SECTION MARK
DETAIL NO.	CALLOUT DETAIL
SHEET NO.	EXTERIOR ELEVATION MARK
DETAIL NO.	INTERIOR ELEVATION MARK
SHEET NO.	CONTROL / ELEVATION MARK
REFERENCE DESCRIPTION	DOOR MARK
	WINDOW MARK
	CASEWORK MARK
	WALL MARK
	ACCESSORIES MARK
	DEMO MARK
	REVISION AREA / NUMBER
ROOM NAME	ROOM MARK
ROOM NO.	CARD READER

SHEET NAMING LEGEND

SECTION	DISCIPLINE	PAGE NUMBER
0 GENERAL PLANS	G COVER CODE SUMMARY	A1.01
1 EXTERIOR ELEVATIONS	G LIFE SAFETY	
2 BUILDING / WALL SECTIONS	CE CIVIL	
3 VERTICAL CIRCULATION	L LANDSCAPE	
4 DETAILS	S STRUCTURAL	
5 WINDOW & DOOR SCHEDULES	D DEMOLITION	
6 INTERIOR ELEV / CASEWORK	A ARCHITECTURAL EQUIPMENT	
	Q FIRE PROTECTION	
	P PLUMBING	
	M MECHANICAL	
	E ELECTRICAL	
	FA FIRE ALARM	
	X MISCELLANEOUS	

APPLICABLE TO ARCHITECTURAL SHEETS ONLY

CONSULTANTS

CIVIL ENGINEER:

STOCKS ENGINEERING

801 EAST WASHINGTON STREET, PO BOX 1108
NASHVILLE, NC 27856 PHONE: 252-459-8196

STRUCTURAL ENGINEER:

STEWART

223 S. WEST STREET, SUITE 1100
RALEIGH, NC 27603 PHONE: 919-380-8750

PLUMBING, MECHANICAL, & ELECTRICAL ENGINEER:

ATLANTEC ENGINEERS, PA

3221 BLUE RIDGE ROAD, SUITE 113
RALEIGH, NC 27612 PHONE: 919-571-1111

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	G0.1 LIFE SAFETY	A2.0 OVERALL BUILDING ELEVATIONS
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	CE-01 DEMOLITION PLAN	A3.2 WALL SECTIONS
	CE-02 SITE and UTILITY PLAN	A5.1 DETAILS
	CE-03 DRAINAGE and GRADING PLAN	A5.2 DETAILS - DECK
	CE-04 EROSION CONTROL PLAN	A6.1 DOOR & WINDOW SCHEDULE
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		P2.2 PLUMBING DETAILS
		P2.3 PLUMBING NOTES, LEGEND, LOAD RISER AND DETAILS
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	S1.1 FOUNDATION PLAN	E1.3 ELECTRICAL ATTIC PLAN
	S1.2 ROOF FRAMING PLAN	E2.1 POWER RISER DIAGRAM PANEL SCHEDULES
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	A1.2 STEM WALL & DECK PLANS	
	A1.3 ATTIC PLAN	
	A1.4 ROOF PLAN	
	A1.5 REFLECTED CEILING PLAN	

ALTERNATES

- G-1 : OUTDOOR DECK CANOPY - THE CONTRACTOR SHALL STIPULATE THE SUM TO BE ADDED TO THE BASE BID FOR THE INSTALLATION OF A CANOPY OVER THE OUTDOOR PATIO AS DETAILED IN THE PLANS AND SPECIFICATIONS.
- G-2 : KITCHEN 103 FLOOR FINISH - THE CONTRACTOR SHALL STIPULATE THE SUM TO BE ADDED TO THE BASE BID FOR THE INSTALLATION OF CERAMIC FLOOR TILE WITH TILE BASE IN LIEU OF LVT FLOOR FINISH WITH RUBBER BASE IN KITCHEN 103 AS DETAILED IN THE DRAWINGS AND SPECIFICATIONS.
- G-3 : GENERATOR AND AUTOMATIC TRANSFER SWITCH - THE CONTRACTOR SHALL STIPULATE THE SUM TO BE ADDED TO THE BASE BID FOR THE INSTALLATION OF A GENERATOR AND AUTOMATIC TRANSFER SWITCH IN LIEU OF A MANUAL TRANSFER SWITCH AS DETAILED IN THE ELECTRICAL DRAWINGS.
- G-4 : COMPOSITE DECKING - THE CONTRACTOR SHALL STIPULATE THE SUM TO BE ADDED TO THE BASE BID FOR THE INSTALLATION OF COMPOSITE DECKING AS SPECIFIED IN THE PROJECT MANUAL ON THE OUTSIDE DECK, ACCOMPANYING STAIRS AND RAMP IN LIEU OF PRESSURE TREATED LUMBER AS DETAILED IN THE DRAWINGS.

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EGRESS DESIGN OCCUPANT LOAD

SPACE	SF / AREA PER OCCUPANT (PER TABLE 1004.1.2)	LOAD
BUSINESS	3,143 SF / 100 GROSS	31
BUSINESS (COMMERCIAL KITCHEN)	442 SF / 200 GROSS	2
ASSEMBLY: A-2	1,543 SF / 15 NET	103
ASSEMBLY: A-3 EXERCISE	1,475 SF / 35 NET	42
STORAGE	771 SF / 300 GROSS	3
COVERED EXTERIOR	1,076 SF	-
STRUCTURE	284 SF	-
GROSS BUILDING AREA TOTAL	8,714 SF	181
OUTDOOR DECK	1,323 SF / 15 GROSS	88
TOTAL OCCUPANT LOAD		269

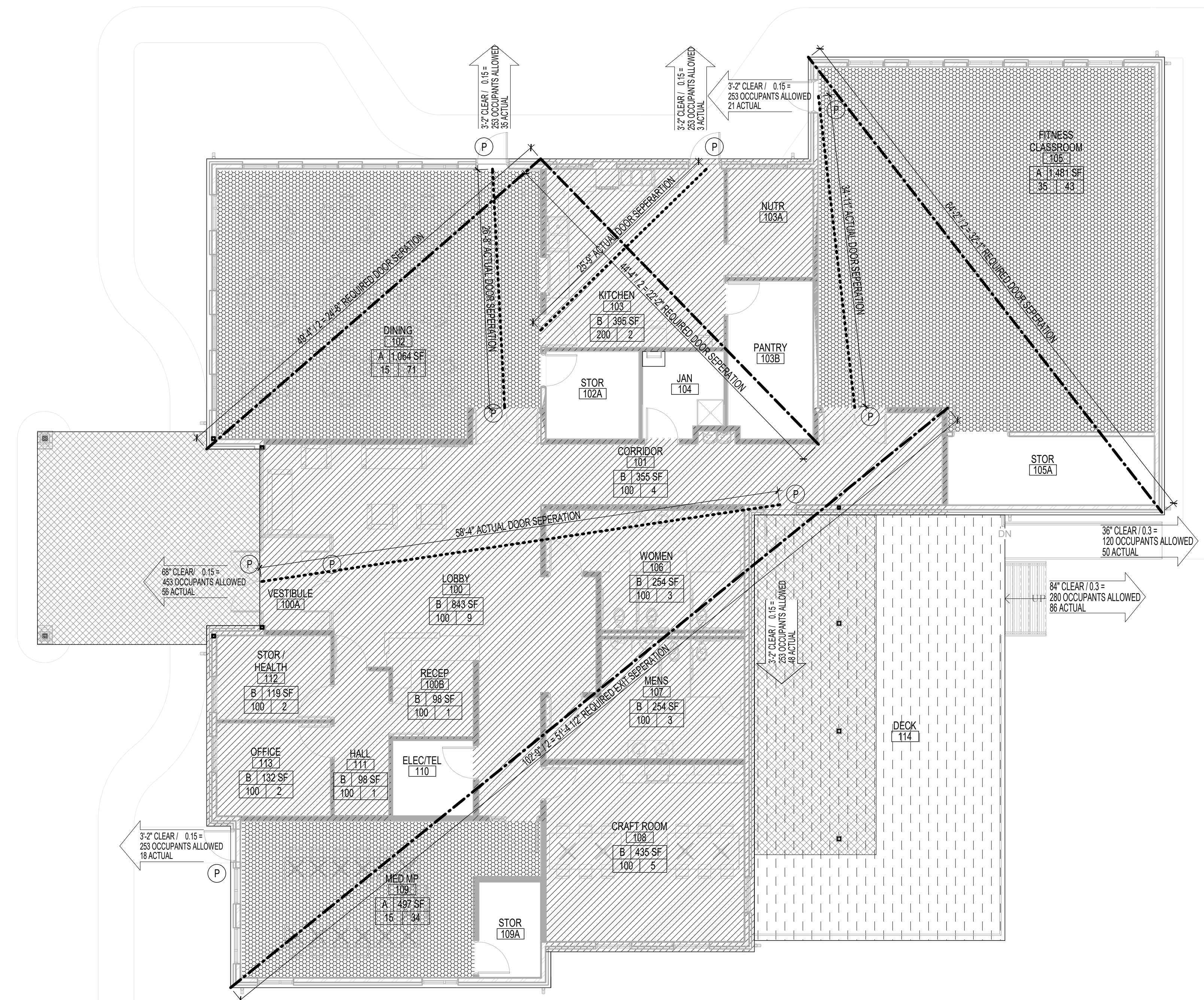
LIFE SAFETY LEGEND

- OCCUPANCY
- SQUARE FEET OF ROOM
- OCCUPANT LOAD
- OCCUPANT LOAD FACTOR
- EGRESS WIDTH
- EGRESS CAPACITY FACTOR
- EGRESS CAPACITY ALLOWED
- ANTICIPATED EGRESS LOAD
- EXIT SEPARATION DISTANCE - REQUIRED
- EXIT SEPARATION DISTANCE - PROVIDED
- MAXIMUM TRAVEL DISTANCE
- COMMON PATH OF TRAVEL
- FIRE EXTINGUISHER IN CABINET SEMI-RECESSED
- FIRE EXTINGUISHER - SURFACE MOUNTED
- HANDICAP DOOR OPERATOR WALL MOUNTED SWITCH
- PANIC HARDWARE
- DELAYED EGRESS PANIC HARDWARE NUMBER INDICATES LENGTH OF DELAY IN SECONDS
- EXIT SIGN (SEE NOTE 1)
- EXIT SIGN/EMERGENCY LIGHT (SEE NOTE 1)
- EMERGENCY LIGHT (SEE NOTE 1)
- HORN TYPE AUDIO/VISUAL APPLIANCE (SEE NOTE 1)
- FIRE ALARM PULL STATION (SEE NOTE 1)

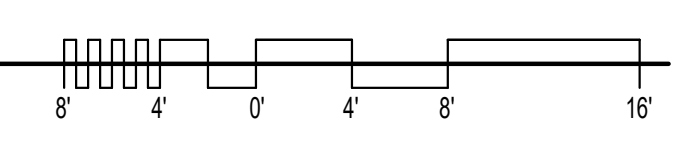
NOTES:
1. SEE ELECTRICAL PLANS FOR COMPLETE DESCRIPTION OF DEVICES AND ADDITIONAL DETAILS INCLUDING MOUNTING AND PLACEMENT.

DOOR CLEARANCE LEGEND

FRONT APPROACH - PULL SIDE	FRONT APPROACH - PUSH SIDE
HINGE APPROACH - PULL SIDE	HINGE APPROACH - PUSH SIDE
HINGE APPROACH - PUSH SIDE	LATCH APPROACH - PULL SIDE
LATCH APPROACH - PUSH SIDE	



LIFE SAFETY PLAN
1/8" = 1'-0"



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OCA ARCHITECTS
109 Conditwood Road, Rocky Mount, NC 27804 (P) 252.937.2500
303 W. Martin Street, Raleigh, NC 27601

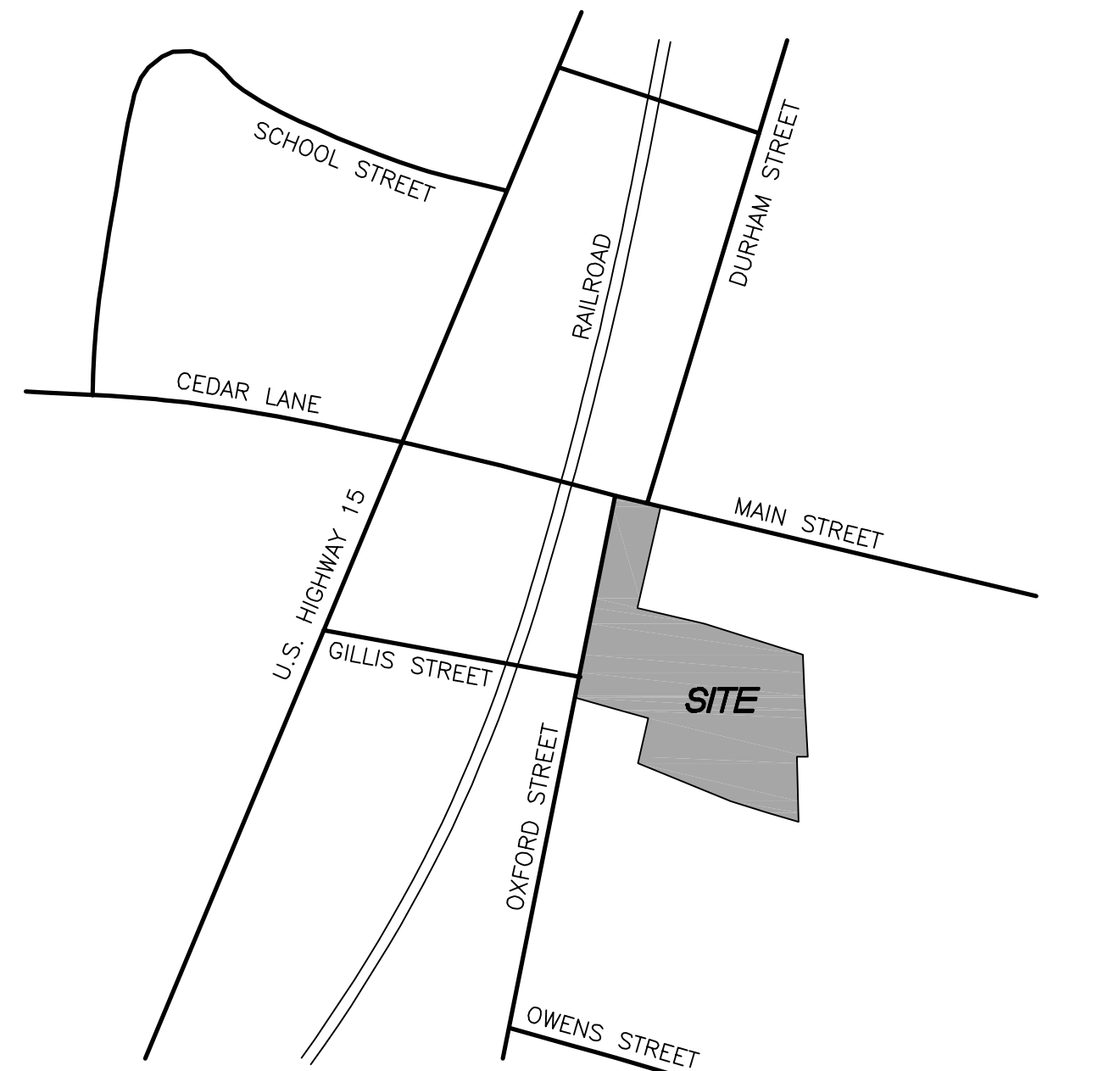
NEW CONSTRUCTION FOR
NORTH GRANVILLE COUNTY SENIOR CENTER
GRANVILLE COUNTY
303 OXFORD ST., STOVALL, NC 27582



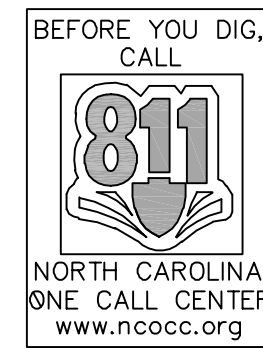
GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions		
#	Description	Date

Date	Project No.
FEB 12 2024	22042
Drawn By	Sheet No.
TW	G1.1
Checked By	
DG	
Sheet Title	
LIFE SAFETY	



LOCATION SKETCH
NOT TO SCALE



New facility for:

North Granville County Senior Center Stovall, North Carolina

General Notes:

1. Topographical data performed by Barry H. Oaks Surveying, PA
2. The contractor shall notify and cooperate with all utility companies or firms having facilities on or adjacent to the site before disturbing, altering, removing, relocating, adjusting or connecting to said facilities.
3. All excavation is unclassified and shall include all materials encountered.
4. All structural fill material shall be free of all sticks, rocks, and clumps of mud.
5. Unusable excavated materials and all waste resulting from clearing and grubbing shall be disposed of off-site by the contractor in an approved solid waste landfill.
6. Location of underground utilities are approximate and must be field verified. Contact the NC One Call Center at least 72 hours prior to digging @ 1.800.632.4949. Surveyor has only located the utilities that are above ground at the time of field survey. Underground lines shown hereon are approximate or as reported by various responsible parties. The surveyor does not guarantee that any underground structures such as utilities, tanks and pipes are located hereon.
7. All pipe lengths are horizontal distances and are approximate.
8. All work shall comply with all applicable codes, regulations, and/or local standards imposed by the Town of Salemburg, and NCDOT.
9. All construction and materials shall meet NCDOT standards, latest edition. All work within within NCDOT right-of-way shall meet the specifications and standards of NCDOT.
10. All concrete pipe is to be ASTM C-76, Class III with ram-nak.
11. This property is not located in a Special Flood Hazard zones per FEMA Map.
12. All lot dimensions shown are approximate. Consult the boundary survey of actual site boundary information.
13. The contractor shall be responsible for all work zone traffic control in or adjacent to NCDOT right-of-way. All signs, pavement markings and other traffic control devices shall conform to the Manual on Uniform Traffic Control Devices (MUTCD), 2003 edition as amended.
14. Prior to placing C&G stone base, the contractor should notify the Geotechnical Engineer to inspect and proof roll the subgrade. Any stone placed without prior approval will be the sole responsibility of the contractor.
15. DESIGN/FIELD CONDITIONS quite easily may vary from that represented in the initial soils report and/or topographical report. Isolated areas may show weak and adverse soils or groundwater conditions may be discovered that were not revealed during the initial soils investigation. Therefore, the Contractor is to be aware that Stocks Engineering, P.A. will not and cannot be held responsible for any failures to either a street or parking lot pavement design as a result of soil conditions.
16. All utility services (power, telephone, cable, etc.) are proposed to be underground. Do not seed or mulch disturbed areas until all underground utilities have been installed.
17. Regulatory signs, stops signs and street name signs shall be manufactured from high intensity reflective materials.
18. All excess topsoil and unclassified excavation is to be hauled off-site, unless otherwise directed by the owner.
19. All site construction must be inspected by The Project Engineer or Architect, as applicable, at the following stages:
A. Completion of grading subgrade prior to placing Stone Base.
B. Completion of Stone placement prior to paving.
C. Final inspection when all work is complete.
20. The surveyor did not visibly see any cemeteries in any open areas unless otherwise noted.
21. This property does not depict encumbrances that are found during a thorough title search.
22. Concrete Sub shall be responsible for all score joints and expansion joints.
23. All on-site curb and gutter to be as shown on plans. Curb and gutter within NCDOT right-of-way to be 30" standard.
24. All curb and gutter and sidewalk concrete is to be minimum 3,000 psi at 28 days, air entrained.
25. Contractor to furnish all paint striping and thermoplastic (as required by NCDOT) as shown.
26. All dimensions are to edge of pavement (EOP) unless indicated otherwise.
27. Contractor SHALL NOT POUR any concrete before forms are inspected by the Civil engineer and/or owner. Any concrete that has not been approved by the engineer and/or owner will be the responsibility of the contractor.
28. Contractor shall saw-cut to provide smooth transitions where existing asphalt and/or curb and gutter is to be removed.
29. The contractor shall provide all the material and appurtenances necessary for the complete installation of the utilities. All pipe and fittings shall be inspected prior to being covered. A minimum of 24 hours notice shall be given to the inspector prior to covering pipe or blockings.
30. Information concerning underground utilities was obtained from available records and field conditions when possible, but the contractor must determine the exact location and elevation of all existing utilities by digging test pits by hand at all utility crossings well in advance of trenching. If the clearances are less than specified on the plans or 12 inches, which ever is less, contact the project engineer and the Owner prior to proceeding with construction.
31. The contractor is responsible for the design and implementation of all required/necessary sheeting, shoring, and special excavation measures required on the project to meet OSHA, Federal, State and Local regulations pursuant to the installation of the work indicated on the drawings. The Owner and Stocks Engineering, P.A. accept no responsibility for the design to install said items.
32. The contractor shall include in the contract price daily record keeping of the as-built condition of all of the underground utilities, construction stakeout associated with the project. Preparation of the necessary/required as-built plans to be submitted to the Engineer and all other information required in connection with Final Payment.
33. The Land Disturbance Permit must be kept on the work site and shown upon request.
34. The contractor shall include in the contract price any de-watering necessary to construct the project as shown on the plans.
35. The contractor shall include in the price, any and all costs associated with providing a professional Surveyor on site, during the construction of the storm water management facilities, underground utilities, etc. as required for as-built certification.
36. All grass, topsoil and building debris material dumped onsite shall be removed in the base bid prior to placement of structural fill material.
37. All generated waste shall be disposed of off-site in an approved landfill location.

GENERAL NOTES: (LOCAL JURISDICTION)

1. Any discrepancies in layout should be brought to the Engineer's attention prior to construction.
2. Written dimensions supercede scaled dimension. All dimensions are edge of pavement, unless noted otherwise. If dimensions not shown, contractor shall submit RFI and not attempt to scale dimensions from drawings.
3. All streets noted as "PUBLIC" shall meet NCDOT minimum standards.
4. Flared end sections are to be used on both inlet and/or outlet ends of storm sewer unless otherwise noted.
5. Each prime contractor performing excavations or underground work shall be responsible for the location of any existing utilities in the area of their work. Notify the utility locator service (1-800-632-4949) at least 48 hours prior to commencing construction in order that existing utilities in the area may be flagged and staked. Contractor shall use all care necessary when working in areas known or suspected to contain underground utilities, including hand digging.
6. The contractor is responsible for relocating any existing utilities that conflict with the proposed construction. In addition, the contractor is responsible for repair and replacement of any utilities, curb and gutter, pavement, etc. that may be damaged during construction. Damaged items shall be repaired to at least the quality of the original workmanship. The contractor shall field verify depth of existing utilities and relocate if proposed grading causes utility cover to be less than minimum required.
7. All temporary erosion control measures shall be inspected after each rain event and necessary repairs shall be done as required.

SITE INFORMATION

LOCATION:.....303 OXFORD STRRT
STOVALL, N.C.
COUNTY:.....GRANVILLE COUNTY
TOTAL SITE ACREAGE:.....4.43 Ac.
ZONING:.....CC
MINIMUM BUILDING SETBACKS:
FRONT:.....40'
SIDE:.....25'
REAR:.....30'
EXISTING USE:.....VACANT
PROPOSED USE:.....SENIOR CENTER
TOTAL BUILDING SIZE:.....7,558 Sq. Ft.
TAX ID:.....1928-1971-2544
PRO. IMPERVIOUS ADDITION:.....±0.95 Ac.
RIVER BASIN:.....NEUSE
DISTURBED AREA:.....3.10 Ac.

INDEX

- CE-00 COVER SHEET
- CE-01 DEMOLITION PLAN
- CE-02 SITE and UTILITY PLAN
- CE-03 GRADING PLAN
- CE-04 EROSION CONTROL PLAN
- CE-05 LANDSCAPING PLAN
- D-01 EROSION CONTROL DETAILS
- D-02 EROSION CONTROL DETAILS
- D-03 NPDES DETAILS
- D-04 NPDES DETAILS
- D-05 SITE NOTES
- D-06 SITE DETAILS

Owner/Developer

GRANVILLE COUNTY
104 Bell Street
Oxford, NC 27565

Civil Engineering:

Stocks Engineering, P.A.
801 East Washington Street
Nashville, NC 27856

Phone: 252.459.8196
Fax: 252.459.8197

Contact: J. Michael Stocks
mstocks@stocksengineering.com

Architect:

Oakley Collier Architects, PA
109 Candlewood Drive
Rocky Mount, N.C. 27804

Phone: (252) 937-2500

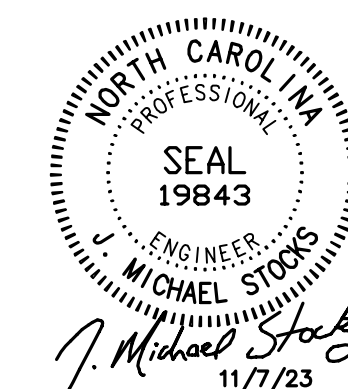
Contact: David Griffin

Surveying:

Barry H. Oaks Surveying, PA
6650 Sidney Cottrell Road
P.O. Box 2059

Phone: (919) 693-3260

Contact: Barry H. Oaks
bhospa@gmail.com



SE PROJECT #2023-061



109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
305 W. Martin Street, Raleigh, NC 27601

**NORTH GRANVILLE COUNTY
SENIOR CENTER**
GRANVILLE COUNTY
303 OXFORD ST STOVALL NC 27582

NEW CONSTRUCTION FOR:

PRELIMINARY NOT FOR CONSTRUCTION

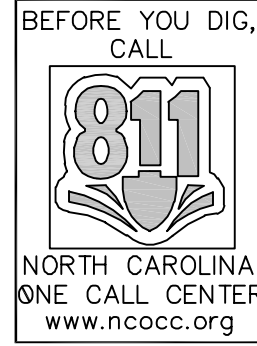
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GENERAL NOTE:
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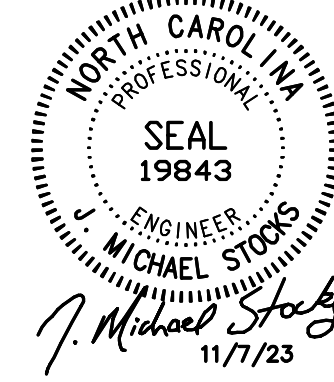
Revisions	Description	Date
1	OCA COMMENTS	2/5/24

Date	Project No.
OCT 12 2023	22042
Drawn By	Sheet No.
Author	CE-00
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Sheet Title
COVER SHEET



⊕ BENCHMARK
RAILROAD SPIKE IN EAST SIDE OF POLE WITH VENT PIPE
ELEVATION = 477.29'
DATUM = NAVD 88



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801 EAST WASHINGTON STREET
NASHVILLE, N.C. 27856
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SE PROJECT #2023-061

CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL ABOVE AND UNDERGROUND UTILITIES WITHIN THE WORK AREA, INCLUDING, BUT NOT LIMITED TO, GAS, ELECTRIC, SEWER, WATER, FIBER OPTIC, STORM DRAINAGE, ETC.

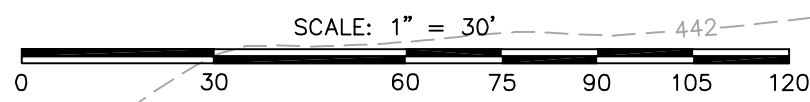
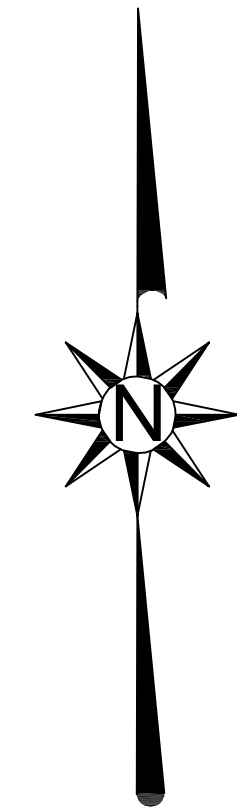
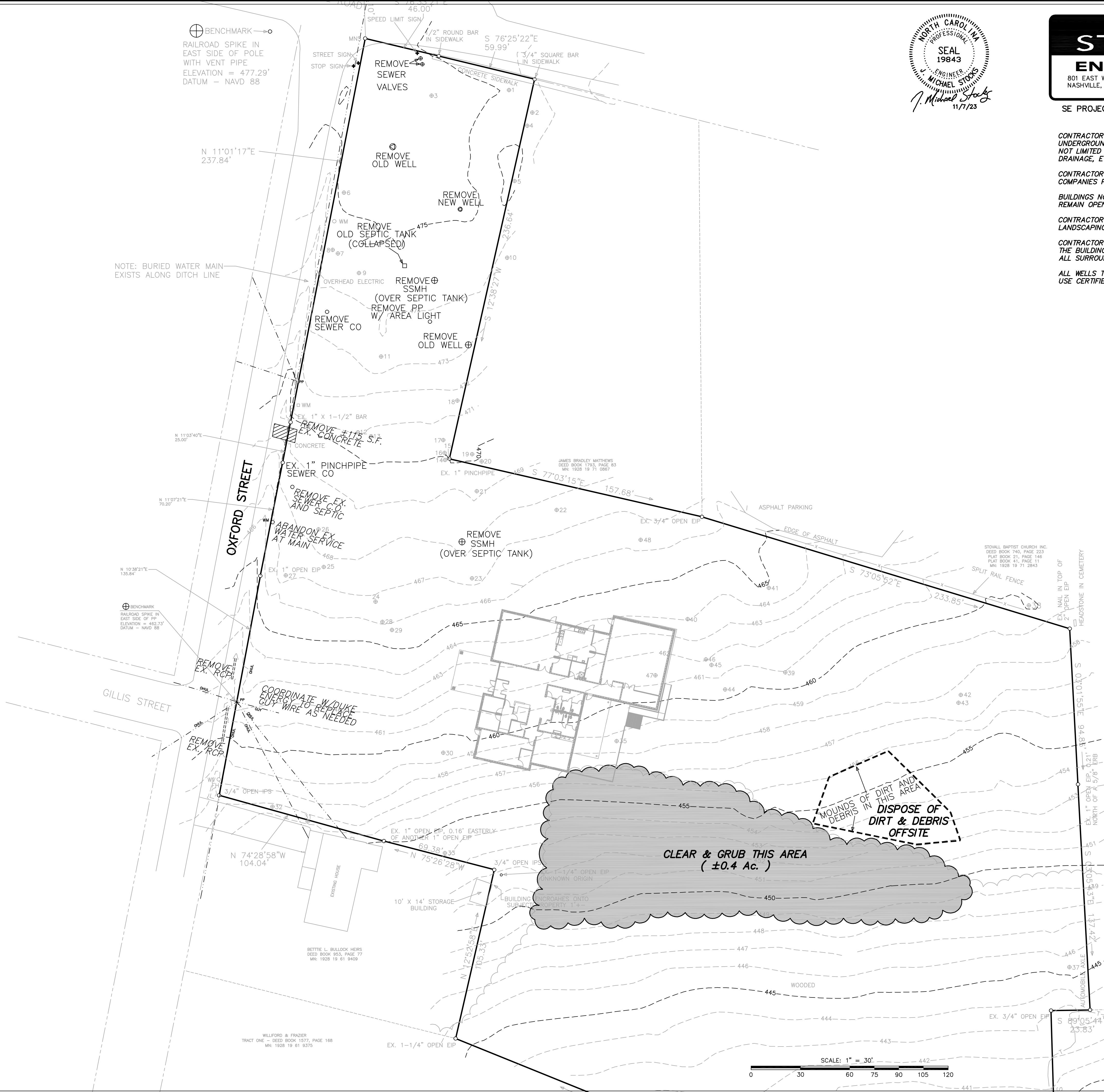
CONTRACTOR SHALL COORDINATE WITH THE APPROPRIATE UTILITY COMPANIES PRIOR TO BEGINNING DEMOLITION.

BUILDINGS NOT SHOWN AS BEING DEMOLISHED IN THIS PHASE SHALL REMAIN OPEN AND OPERATIONAL.

CONTRACTOR SHALL INCLUDE THE REMOVAL OF ALL VEGETATION AND LANDSCAPING WITHIN THE WORK AREA IN BID PRICE.

CONTRACTOR TO VERIFY THE UTILITIES TO BE REMOVED ONLY SERVE THE BUILDING TO BE DEMOED PRIOR TO DEMOLITION. ALL SURROUNDING BUILDINGS TO REMAIN FULLY OPERATIONAL.

ALL WELLS TO BE ABANDONED PER NCPWS STANDARDS. CONTRACTOR SHALL USE CERTIFIED WELL ABANDONMENT CONTRACTOR.



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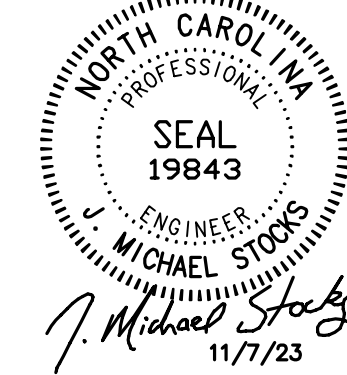
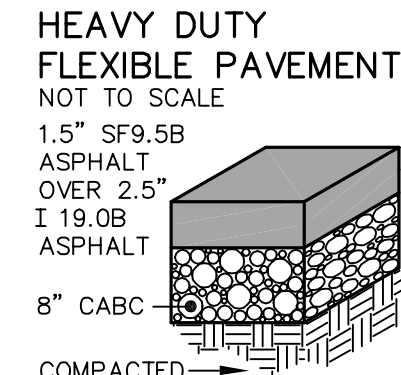
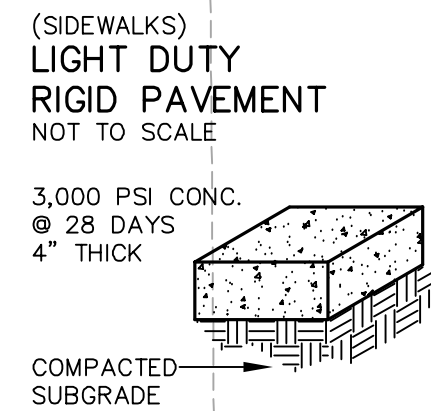
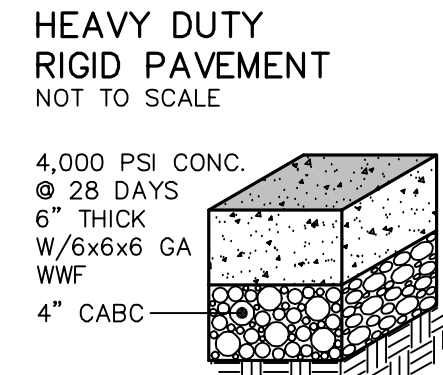
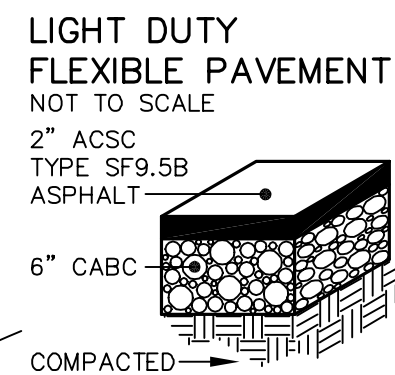
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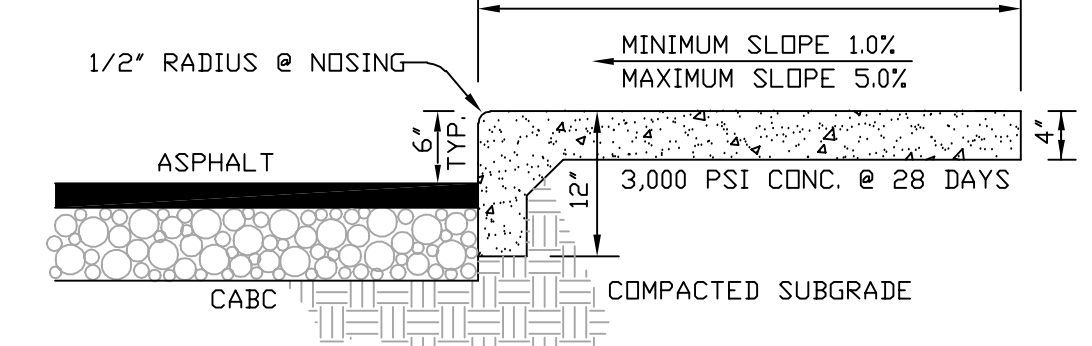
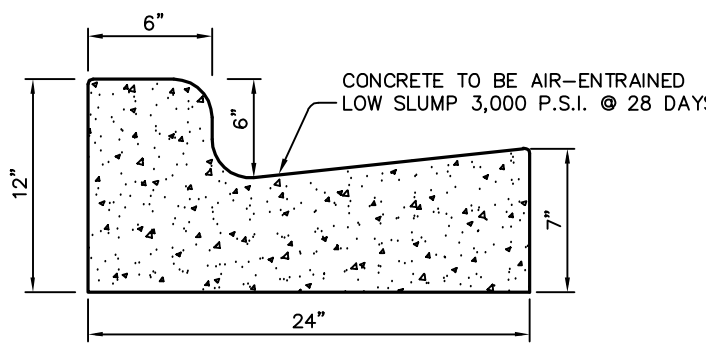
Date	Project No.
OCT 12 2023	22042
Drawn By	Sheet No.
Author	CE-01
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DEMOLITION PLAN



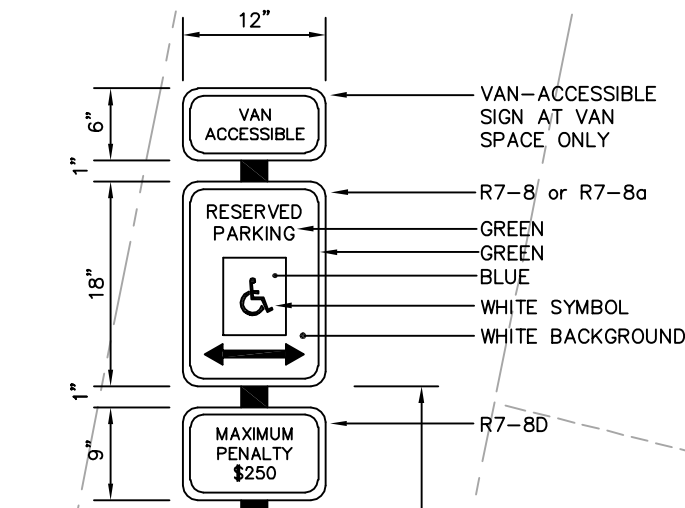
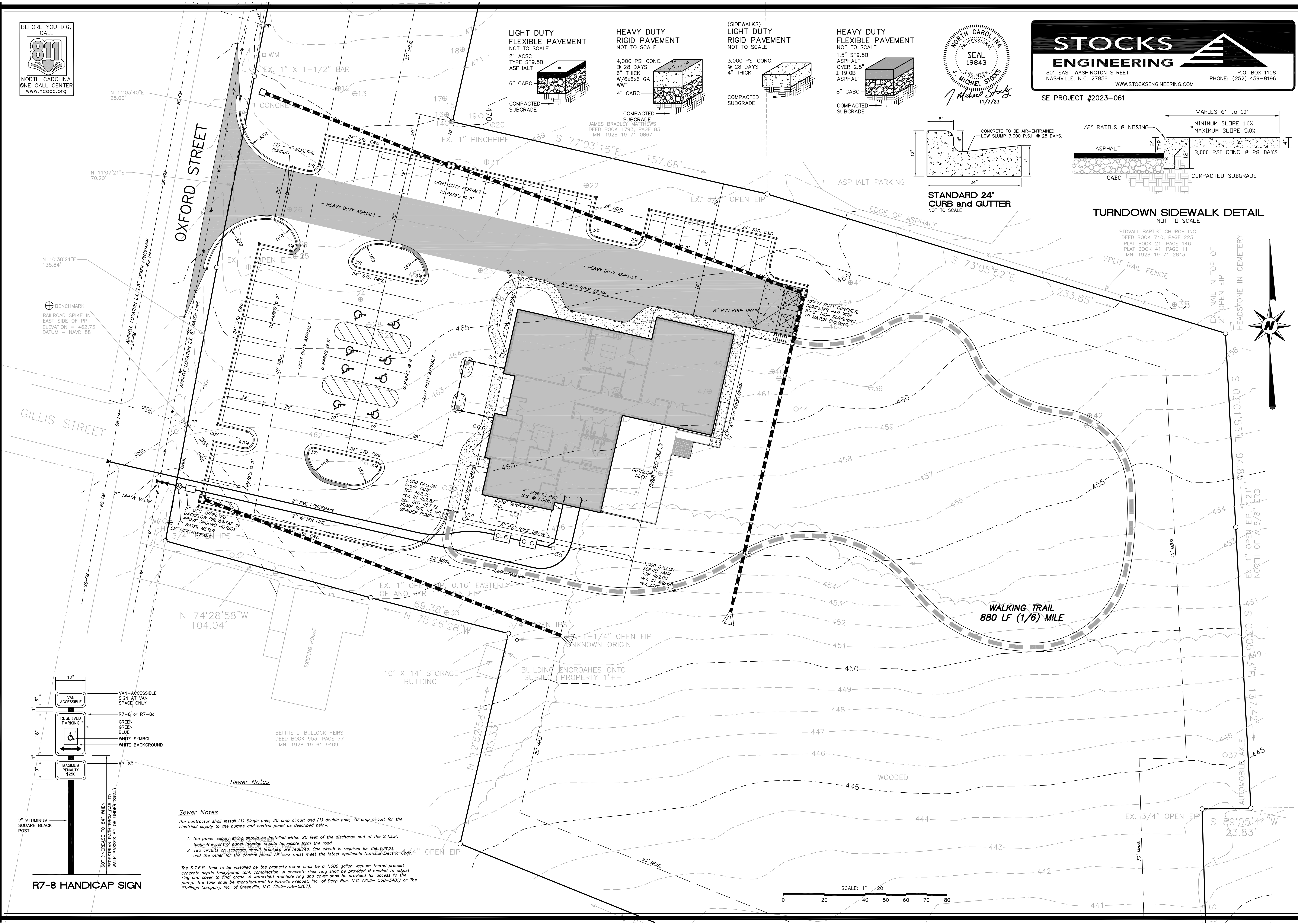
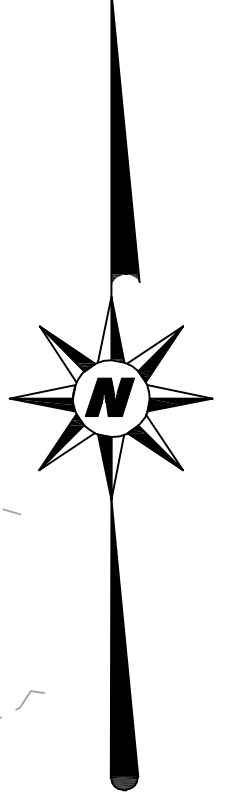
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 PHONE: (252) 459-8196

SE PROJECT #2023-061



TURNDOWN SIDEWALK DETAIL
NDT TO SCALE

STOVALL BAPTIST CHURCH INC.
DEED BOOK 740, PAGE 223
PLAT BOOK 21, PAGE 146
PLAT BOOK 41, PAGE 11
MN: 1928 19 71 2843

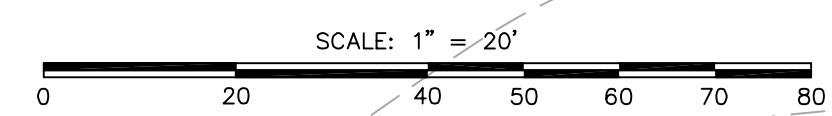


2" ALUMINUM SQUARE BLACK POST
R7-8 HANDICAP SIGN
INCREASE TO 84" WHEN PEDESTRIAN PATH FROM CAR TO WALK PASSES BY OR UNDER SIGN.

Sewer Notes
 The contractor shall install (1) single pole, 20 amp circuit and (1) double pole, 40 amp circuit for the electrical supply to the pumps and control panel as described below:

- The power supply wiring should be installed within 20 feet of the discharge and of the S.T.E.P. tank. The control panel location should be visible from the road.
- Two circuits on separate circuit breakers are required. One circuit is required for the pumps and the other for the control panel. All work must meet the latest applicable National Electric Code.

The S.T.E.P. tank to be installed by the property owner shall be a 1,000 gallon vacuum tested precast concrete septic tank/pump tank combination. A concrete riser ring shall be provided if needed to adjust ring and cover to final grade. A watertight manhole ring and cover shall be provided for access to the pump. The tank shall be manufactured by Futrell's Precast, Inc. of Deep Run, N.C. (252-568-3481) or The Stallings Company, Inc. of Greenville, N.C. (252-756-0267).



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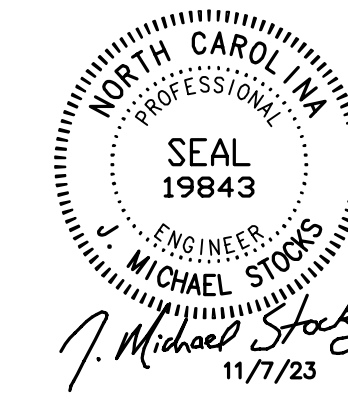
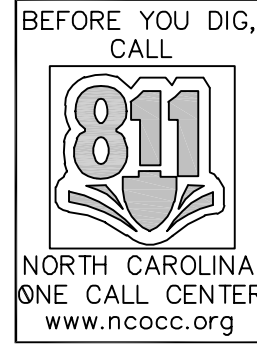
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Revisions	Description	Date
1	OCA COMMENTS	2/5/24

Date	Project No.
OCT 12 2023	22042
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Author	
Checked By	CE-02
Checker	

Site Title
SITE and UTILITY PLAN

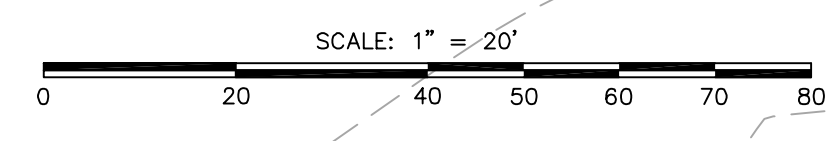
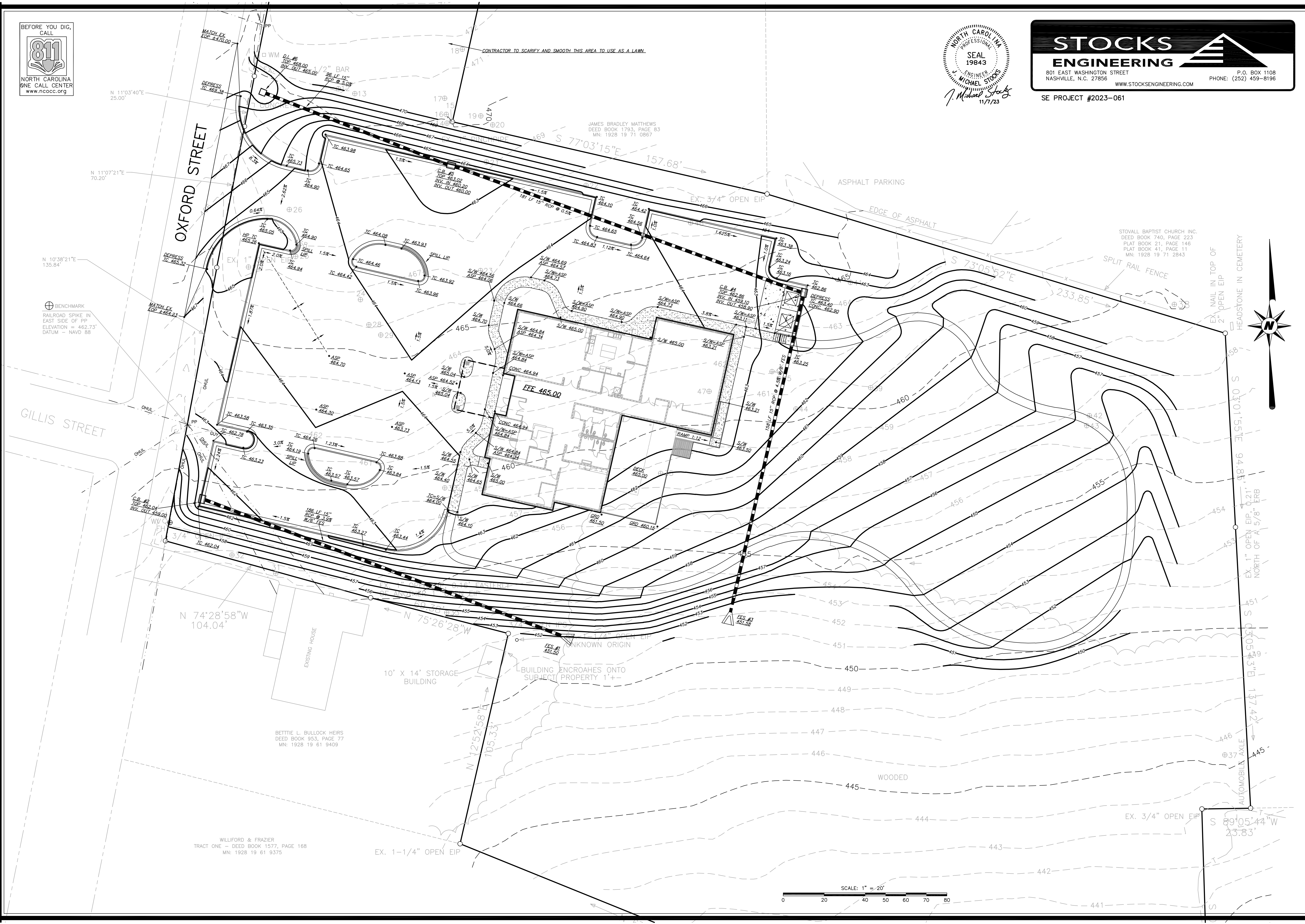
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 SE PROJECT #2023-061

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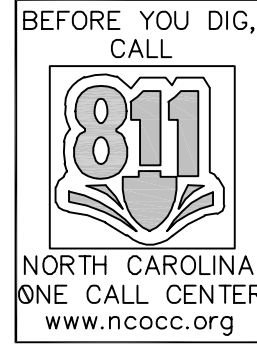
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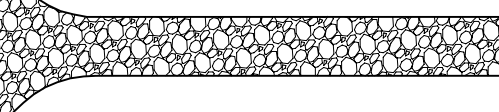

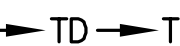





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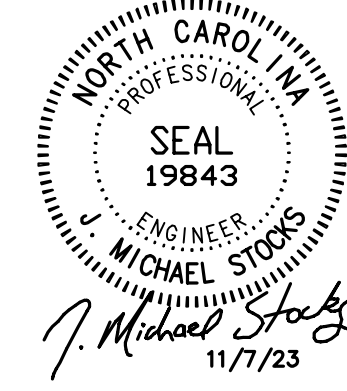
Date	Project No.
OCT 12 2023	22042
Drawn By	Sheet No.
Author	CE-03
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Sheet Title
DRAINAGE and GRADING PLAN



EROSION LEGEND

-  SILT FENCE
-  SILT FENCE OUTLET
-  CONSTRUCTION ENTRANCE
-  PERMANENT SEEDING
-  TEMPORARY DIVERSION W/ NAG DS75 EXCELSIOR MATTING
-  CONCRETE TRUCK WASHOUT
-  NCDOT WATTLE
-  CLASS B OUTLET PROTECTION
-  EXCELSIOR MATTING (NAG DS75)
-  TOTAL AREA DISTURBED - 3.10 Ac.



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 801 EAST WASHINGTON STREET NASHVILLE, N.C. 27856
 WWW.STOCKSENGINEERING.COM
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 PHONE: (252) 459-8196

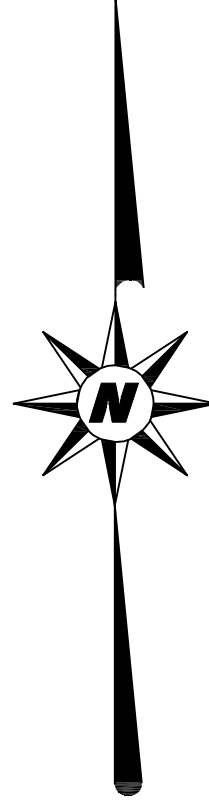
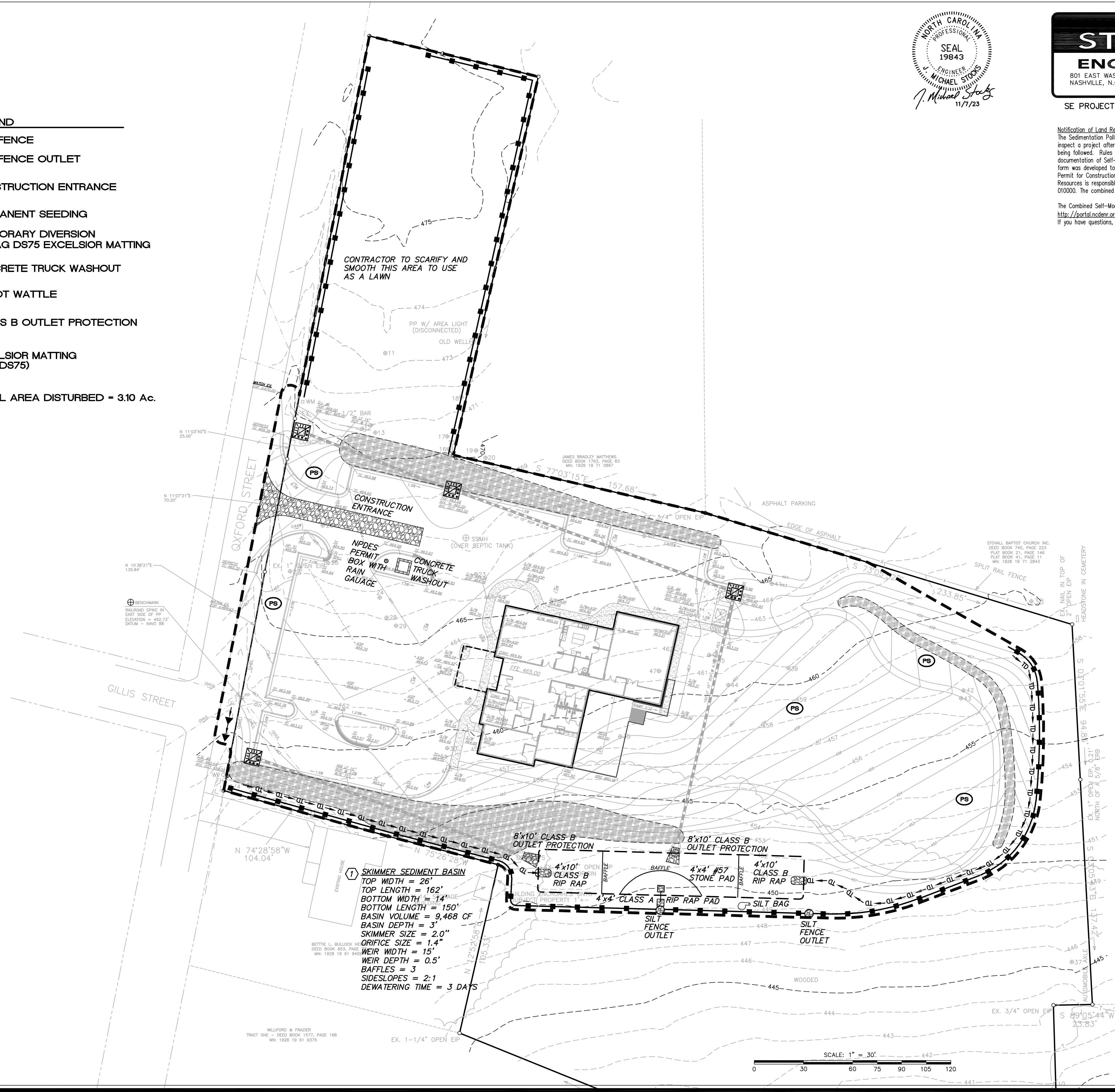
SE PROJECT #2023-061

Notification of Land Resources Sediment and Erosion Control Self-Inspection Program:
 The Sedimentation Pollution Control Act was amended in 2006 to require persons responsible for land disturbing activities inspect a project after each phase of the project to make sure that the approved erosion and sedimentation control plan is being followed. Rules detailing the documentation of these inspections took effect October 1, 2010. To simplify documentation of Self-Inspection Reports and NPDES Self-Monitoring Reports, a combination form is now available. The new form was developed to satisfy the requirements of the Sedimentation Pollution Control Act and the NPDES Stormwater Permit for Construction Activities, NCS 010000. Beginning August 1, 2013, the Division of Energy, Mineral, and Land Resources is responsible for administering both the SPCA and the NPDES Stormwater Permit for Construction Activities, NCS 010000. The combined form should make it easier to comply with self-inspection requirements.

The Combined Self-Monitoring form is available as a PDF and Word document from the Land Quality web site, <http://portal.ncdenr.org/web/it/erosion>
 If you have questions, please contact the Land Quality Section at a DENR Regional Office.

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 303 OXFORD ST. STOVALL, NC 27582



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PRELIMINARY NOT FOR CONSTRUCTION

PRELIMINARY NOT FOR CONSTRUCTION

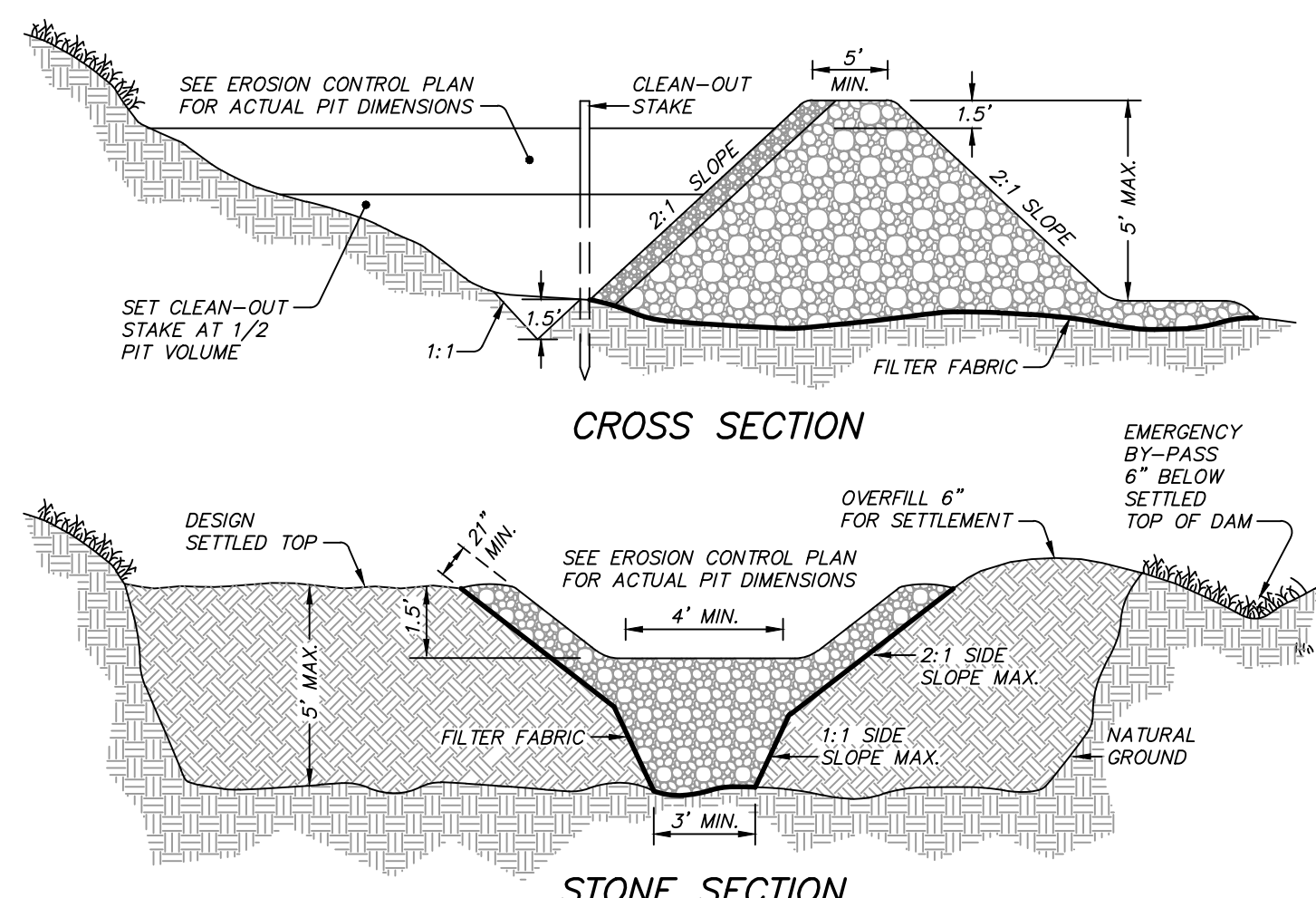
GENERAL NOTE:
 Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions	Description	Date
1	OCA COMMENTS	2/5/24

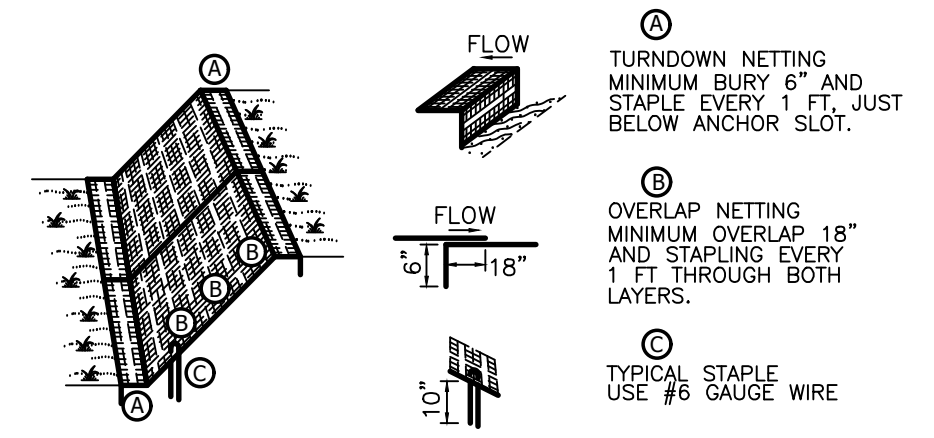
Date	Project No.
OCT 12 2023	22042
Drawn By	Sheet No.
Author	C4.0
Checked By	Checker

EROSION CONTROL PLAN

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EXCELSIOR MATTING
NOT TO SCALE



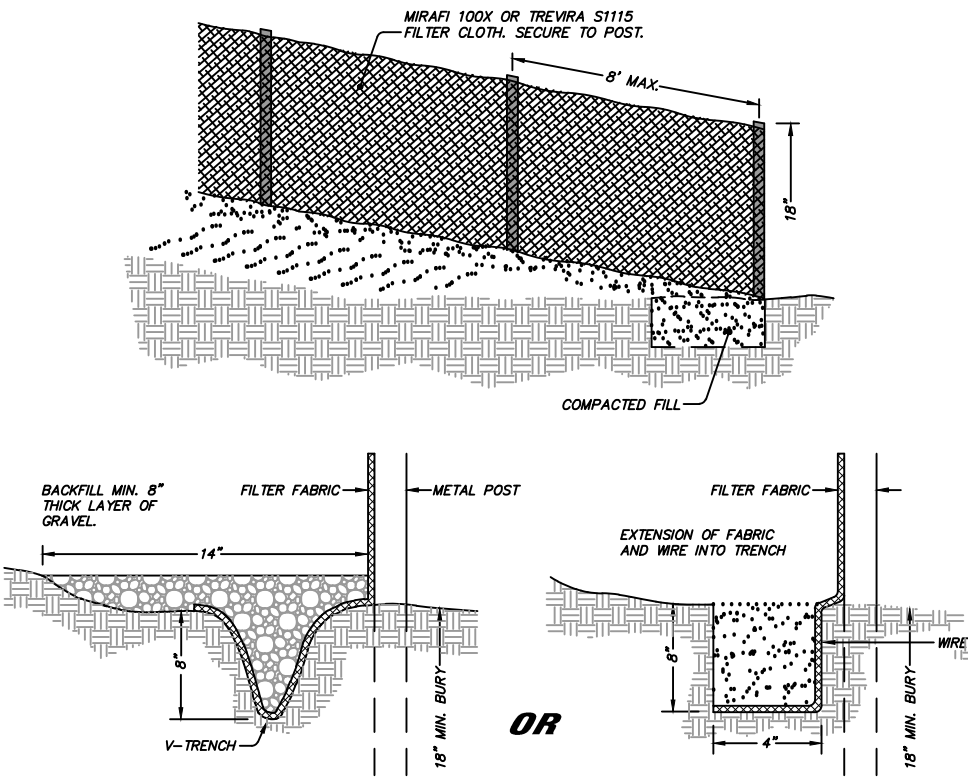
GENERAL NOTES:
1. Apply seed, and tack with rs or crs liquid emulsified asphalt at a rate equal to 10 gal. per 1000 s.f. Cover w/excelsior matting.
2. Staple every 24" along perimeter edges and overlaps. Staple every 36" to 48" randomly to secure netting.
3. Roll out netting in the direction of water flow. Do not stretch.

GENERAL NOTES:

1. Clear, grub, and strip the area under the embankment of all vegetation and root mat. Remove all surface soil containing high amounts of organic matter and stockpile or dispose of it properly. Haul all objectionable material to the designated disposal area.
2. Ensure that fill material for the embankment is free of roots, woody vegetation, organic matter, and other objectionable material. Place the fill in lifts not to exceed 9 inches and machine compact it. Over fill the embankment 6 inches to allow for settlement.
3. Construct the outlet section in the embankment. Protect the connection between the riprap and the soil from piping by using filter fabric or a keyway cutoff trench between the riprap structure and the soil.
Place the filter fabric between the riprap and soil. Extend the fabric across the spillway foundation and sides to the top of the dam; or
Excavate a keyway trench along the centerline of the spillway foundation extending up the sides to the height of the dam. The trench should be at least 2 ft. deep and 2 ft. wide with 1:1 side slopes.
4. Clear the pond area below the elevation of the crest of the spillway to facilitate sediment cleanout.
5. All cut and fill slopes should be 2:1 or flatter.
6. Ensure that the stone (drainage) section of the embankment has a minimum bottom width of 3 ft. and a maximum side slopes of 1:1 that extend to the bottom of the spillway section.
7. Construct the minimum finished stone spillway bottom width, as shown on the plans, with 2:1 side slopes extending to the top of the over filled embankment. Keep the thickness of the sides of the spillway outlet structure at a minimum of 21 inches. The weir must be level and constructed to grade to assure design capacity.
8. Material used in the stone section should be a well-graded mixture of stone with a d size of 9 inches (class B erosion control stone is recommended) and a maximum stone size of 14 inches. The stone may be machine placed and the smaller stones worked into the voids of the larger stones. The stone should be hard, angular, and highly weather-resistant.
9. Ensure that the stone spillway outlet section extends downstream past the toe of the embankment until stable conditions are reached and outlet velocity is acceptable for the receiving stream. Keep the edges of the stone outlet section flush with the surrounding ground and shape the center to confine the outflow stream (References: Outlet Protection).
10. Direct emergency bypass to natural, stable areas. Locate bypass outlets so that flow will not damage the embankment.
11. Stabilize the embankment and all disturbed areas above the sediment pool and downstream from the trap immediately after construction (References: Surface Stabilization).
12. Show the distance from the top of the spillway to the sediment cleanout level (one-half the design depth) on the plans and mark it in the field.

SEDIMENT BASIN
SCALE: N.T.S.

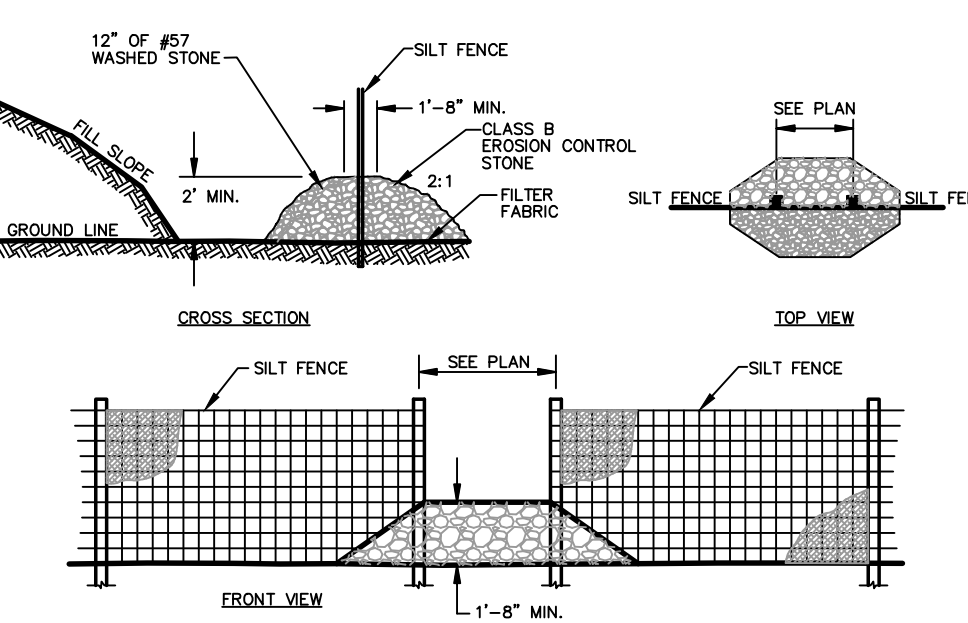
SILT FENCE
NOT TO SCALE



- CONSTRUCTION SPECIFICATIONS:**
1. CONSTRUCT THE SEDIMENT BARRIER OF STANDARD OR EXTRA STRENGTH SYNTHETIC FILTER FABRICS.
 2. ENSURE THAT THE HEIGHT OF THE SEDIMENT FENCE DOES NOT EXCEED 24 INCHES ABOVE GROUND SURFACE. (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 FABRIC ONLY AT A SUPPORT POST WITH 4 FEET MINIMUM OVERLAP TO THE NEXT POST.
 4. SUPPORT STANDARD 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 MINIMUM 50 POUND TENSILE STRENGTH.
 5. WHEN A WIRE MESH SUPPORT FENCE IS USED, SPACE POSTS A MAXIMUM OF 8 FEET APART. SUPPORT POSTS 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 MINIMUM 50 POUND TENSILE STRENGTH.
 7. EXCAVATE A TRENCH APPROXIMATELY 4 INCHES WIDE AND 8 INCHES DEEP ALONG THE PROPOSED LINE OF POSTS AND UPSLOPE FROM THE BARRIER.
 8. PLACE 12 INCHES OF THE 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:
INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY. SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY. REMOVE SEDIMENT AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT. 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.

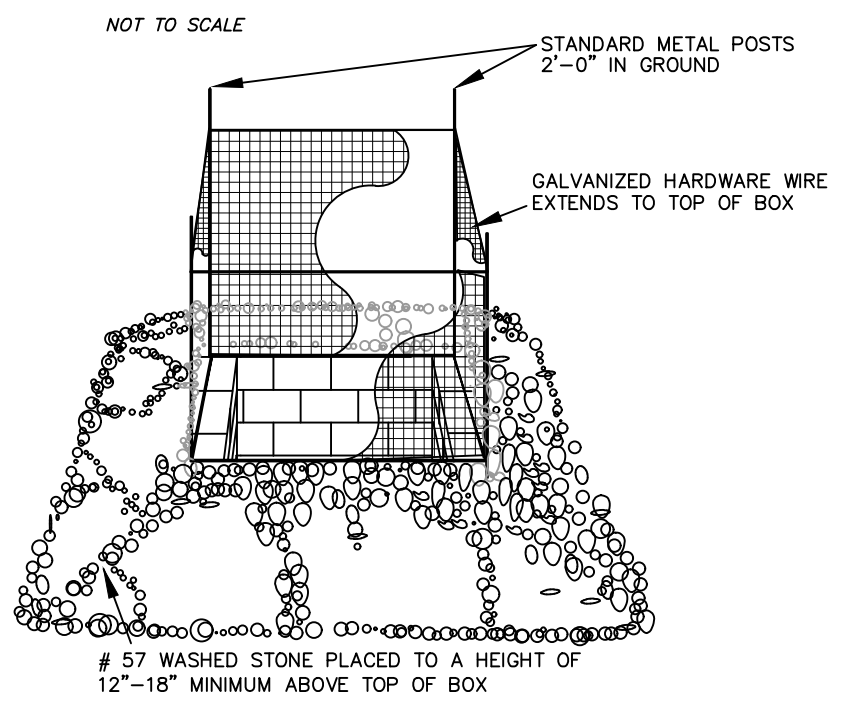
SILT FENCE OUTLET
NOT TO SCALE



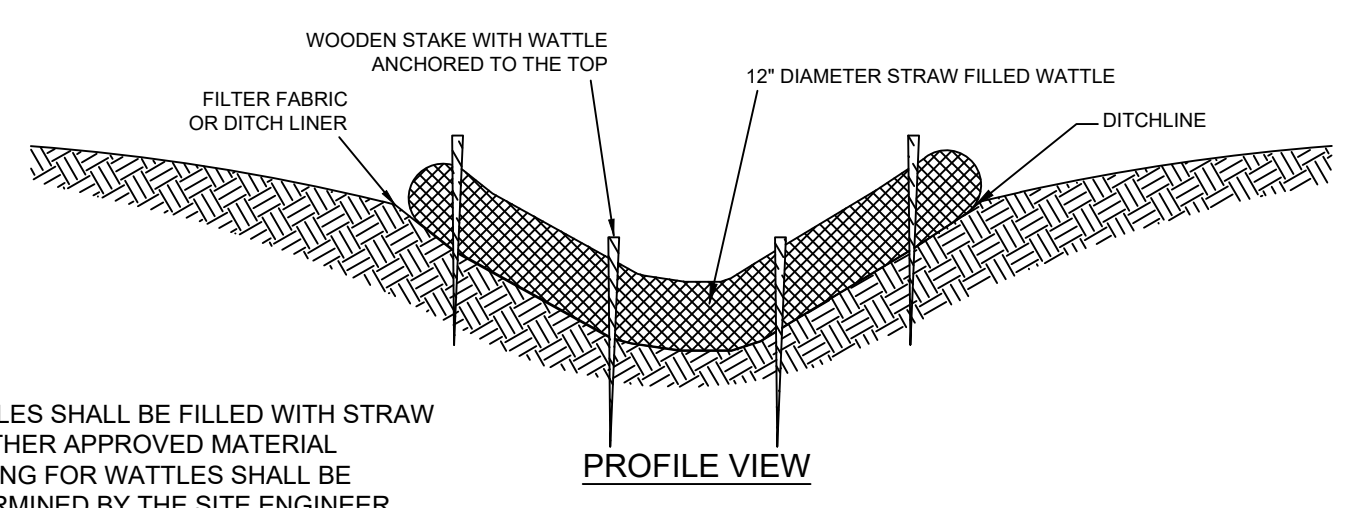
- CONSTRUCTION SPECS:**
1. CLEAR & GRUB THE AREA AROUND THE SILT FENCE OUTLET AND PROPERLY DISPOSE OF DEBRIS.
 2. PLACE GRAVEL TO THE SPECIFIC GRADE AS SHOWN PER THE DETAIL.
 3. PROPERLY OVERLAP STONE BEYOND EDGES OF SILT FENCE OPENING.

MAINTENANCE:
INSPECT OUTLETS WEEKLY AND AFTER EACH RAIN EVENT. IMMEDIATELY REMOVE SEDIMENT FROM THE FLOW AREA AND REPAIR AS NEEDED. CAREFULLY CHECK OUTLETS FOR EROSION AND REPAIR IMMEDIATELY. ENSURE THERE IS NO SCOURING APPARENT DOWNSTREAM OF OUTLET. IMMEDIATELY STABILIZE ANY AREAS THAT NEED REPAIR.

HARDWARE CLOTH & GRAVEL INLET PROTECTION
NOT TO SCALE



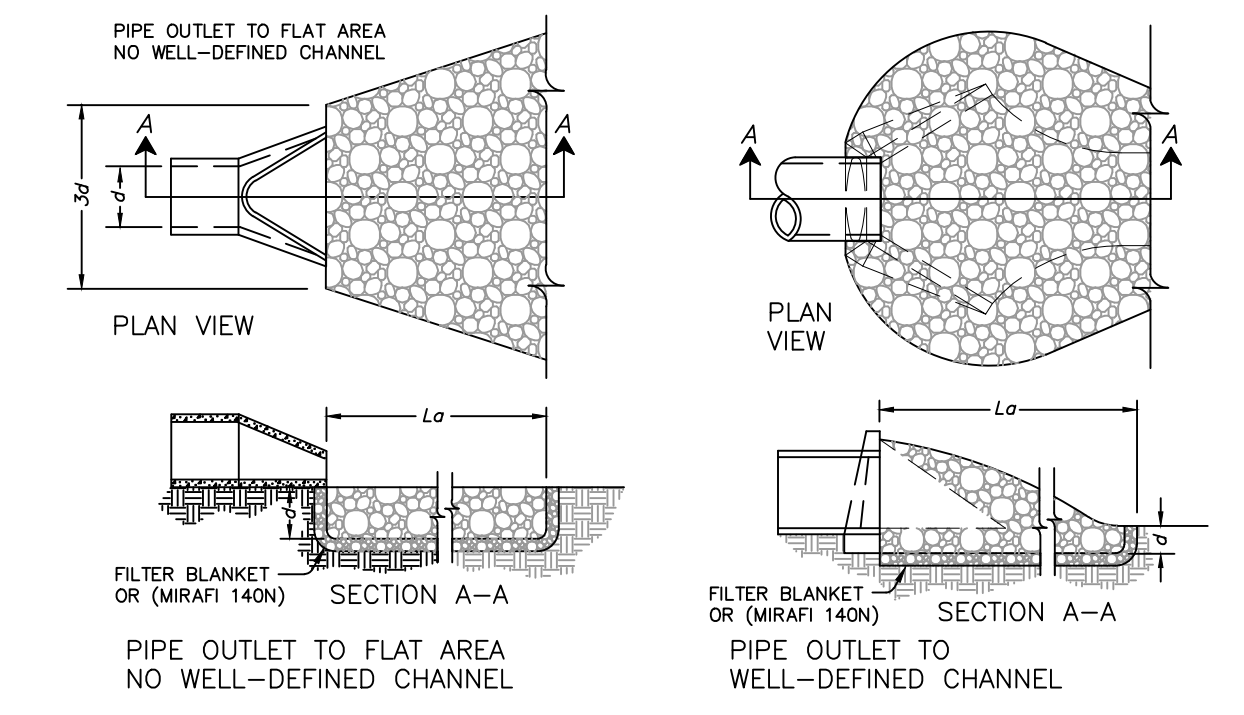
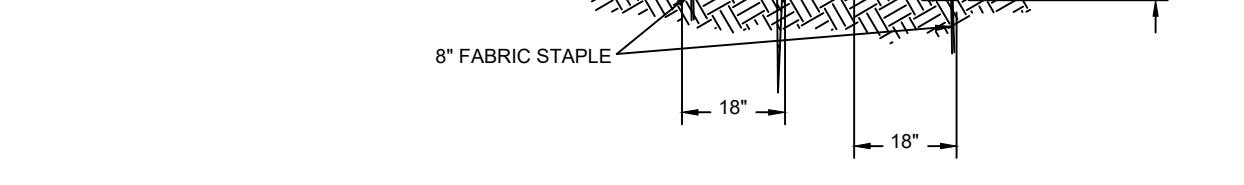
MAINTENANCE:
INSPECT THE BARRIER AFTER EACH RAIN AND MAKE REPAIRS AS NEEDED. REMOVE SEDIMENT AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR SUBSEQUENT RAINS. WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN ADEQUATELY STABILIZED, REMOVE ALL MATERIALS AND ANY UNSTABLE SOIL, AND EITHER SALVAGE OR DISPOSE OF IT PROPERLY. BRING THE DISTURBED AREA TO PROPER GRADE, THEN SMOOTH AND COMPACT IT. APPROPRIATELY STABILIZE ALL BARE AREAS AROUND THE INLET.



NOTES:

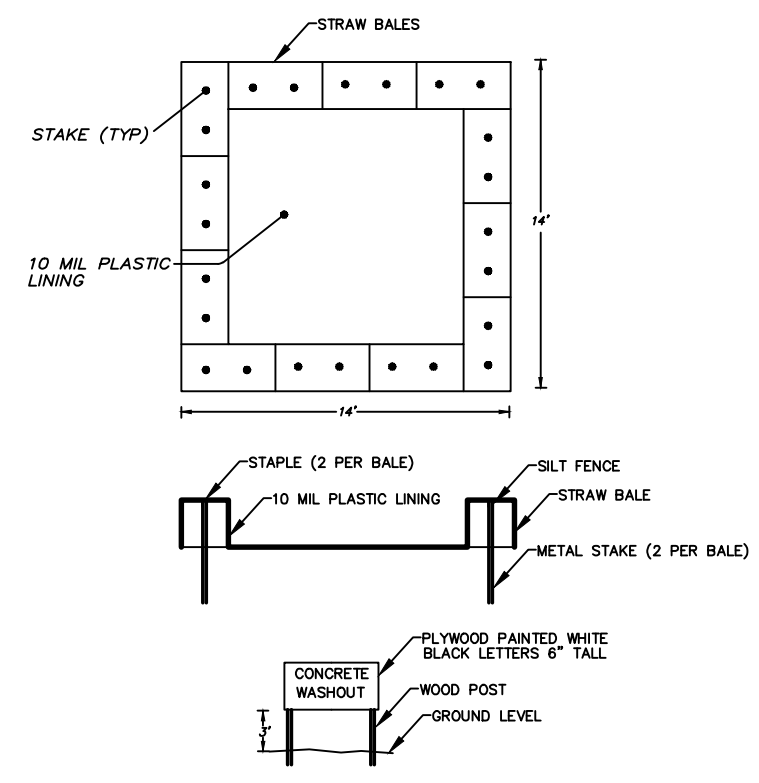
1. WATTLES SHALL BE FILLED WITH STRAW OR OTHER APPROVED MATERIAL.
2. SPACING FOR WATTLES SHALL BE DETERMINED BY THE SITE ENGINEER.
3. WATTLES MAY BE USED FOR PROTECTION OF CATCH BASINS AND DROP INLETS WITH APPROVAL BY THE ENGINEER.

NCDOT WATTLE
NOT TO SCALE



- GENERAL NOTES:**
1. L₀ = THE LENGTH OF THE RIP RAP APRON.
 2. d = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".
 3. IN A WELL-DEFINED CHANNEL, EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TALLWATER DEPTH OR TO THE TOP OF THE BANK, WHICHEVER IS LESS.
 4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIP RAP AND SOIL FOUNDATION.
 5. FLARED END SECTION IS OPTIONAL. SEE PLANS FOR REQUIREMENT.
 6. SEE PLAN AND PROFILES FOR ACTUAL DIMENSIONS.

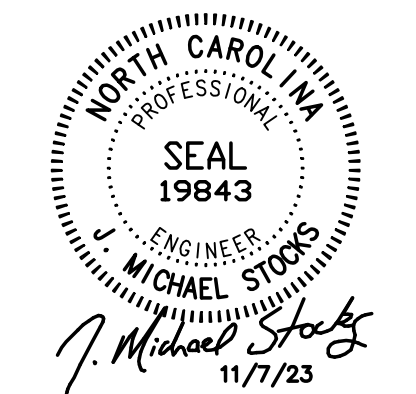
PIPE OUTLET PROTECTION
SCALE: N.T.S.



CONSTRUCTION SPECIFICATIONS:
1. CONCRETE WASHOUT SIGN SHALL BE INSTALLED NO FURTHER THAN 25' FROM THE FACILITY AND SHALL BE VISIBLE TO ALL CONSTRUCTION TRAFFIC.
2. POLYETHYLENE SHEETING SHALL BE 10 MILS FREE OF HOLES, TEARS, OR LEAKS.

MAINTENANCE:
FACILITY SHALL NOT BE FILLED MORE THAN 12" FROM THE TOP BEFORE DISPOSING OF CONCRETE. CONCRETE SHALL BE DISPOSED OF IN THE SAME MANNER AS OTHER NON-HAZARDOUS MATERIALS FROM THE SITE OR MAY BE BROKEN UP AND USED AS FILL IN NON-STRUCTURAL AREAS.

CONCRETE TRUCK WASHOUT
NOT TO SCALE



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SE PROJECT #2023-061

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PRELIMINARY NOT FOR CONSTRUCTION

PRELIMINARY NOT FOR CONSTRUCTION

GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions	Description	Date

Date	Project No.
OCT 12 2023	22042
Drawn By	Sheet No.
Author	
Checked By	D-02
Checker	
Sheet Title	
EROSION NOTES/DETAILS	

GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT

Implementing the details and specifications on this plan sheet will result in the construction activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections E and F, respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

SECTION E: GROUND STABILIZATION

Required Ground Stabilization Timeframes		
Site Area Description	Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None
(b) High Quality Water (HQW) Zones	7	None
(c) Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed
(d) Slopes 3:1 to 4:1	14	-7 days for slopes greater than 50' in length and with slopes steeper than 4:1
		-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones
(e) Areas with slopes flatter than 4:1	14	-10 days for Falls Lake Watershed
		-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
<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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

- Select flocculants that are appropriate for the soils being exposed during construction, selecting from the *NC DWR List of Approved PAMS/Flocculants*.
- Apply flocculants at or before the inlets to Erosion and Sediment Control Measures.
- Apply flocculants at the concentrations specified in the *NC DWR List of Approved PAMS/Flocculants* and in accordance with the manufacturer's instructions.
- Provide ponding area for containment of treated Stormwater before discharging offsite.
- Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

EQUIPMENT AND VEHICLE MAINTENANCE

- Maintain vehicles and equipment to prevent discharge of fluids.
- Provide drip pans under any stored equipment.
- Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
- Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
- Remove leaking vehicles and construction equipment from service until the problem has been corrected.
- 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

- Never bury or burn waste. Place litter and debris in approved waste containers.
- Provide a sufficient number and size of waste containers (e.g dumpster, trash receptacle) on site to contain construction and domestic wastes.
- Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- 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.
- Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
- Anchor all lightweight items in waste containers during times of high winds.
- Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
- Dispose waste off-site at an approved disposal facility.
- On business days, clean up and dispose of waste in designated waste containers.

PAINT AND OTHER LIQUID WASTE

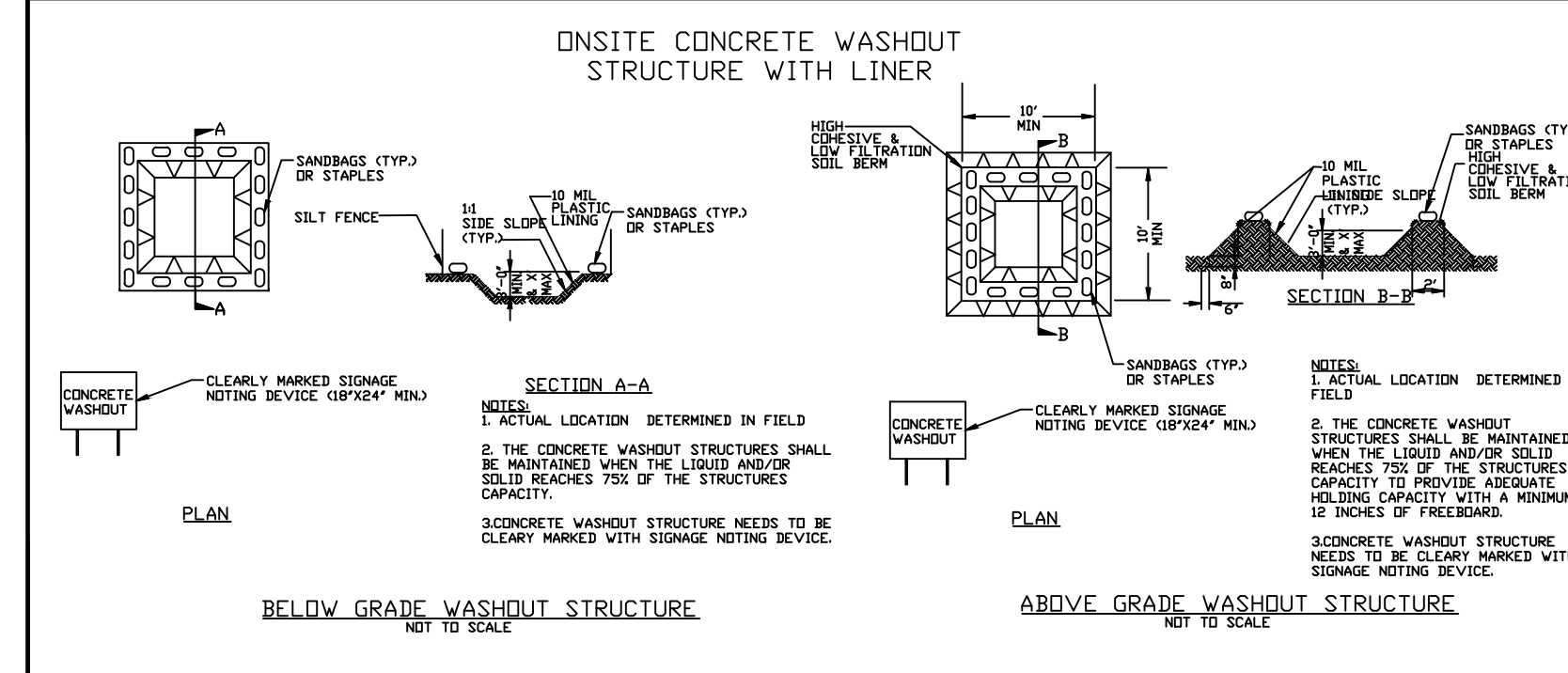
- Do not dump paint and other liquid waste into storm drains, streams or wetlands.
- Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Contain liquid wastes in a controlled area.
- Containment must be labeled, sized and placed appropriately for the needs of site.
- Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

PORTABLE TOILETS

- 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.
- Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
- 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

- 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.
- Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
- Provide stable stone access point when feasible.
- 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.



CONCRETE WASHOUTS

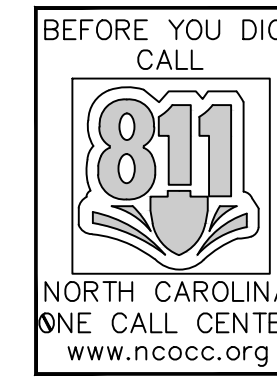
- Do not discharge concrete or cement slurry from the site.
- Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
- Manage washout from mortar mixers in accordance with the above item and in addition place the mixer and associated materials on impervious barrier and within lot perimeter silt fence.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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

- Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.
- 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.
- 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.
- Do not stockpile these materials onsite.

HAZARDOUS AND TOXIC WASTE

- Create designated hazardous waste collection areas on-site.
- Place hazardous waste containers under cover or in secondary containment.
- Do not store hazardous chemicals, drums or bagged materials directly on the ground.

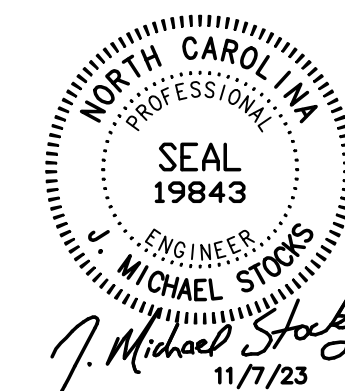


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NCG01 GROUND STABILIZATION AND MATERIALS HANDLING

EFFECTIVE: 04/01/19



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SE PROJECT #2023-061

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GENERAL NOTE: Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions	Description	Date

Date	Project No.
OCT 12 2023	22042
Drawn By	Sheet No.
Author	
Checked By	D-03
Checker	

Sheet Title
NPDES SHEET

**PART III
SELF-INSPECTION, RECORDKEEPING AND REPORTING**

SECTION A: SELF-INSPECTION

Self-inspections are required during normal business hours in accordance with the table below. When adverse weather or site conditions would cause the safety of the inspection personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection. In addition, when a storm event of equal to or greater than 1.0 inch occurs outside of normal business hours, the self-inspection shall be performed upon the commencement of the next business day. Any time when inspections were delayed shall be noted in the Inspection Record.

Inspect	Frequency (during normal business hours)	Inspection records must include:
(1) Rain gauge maintained in good working order	Daily	Daily rainfall amounts. If no daily rain gauge observations are made during weekend or holiday periods, and no individual-day rainfall information is available, record the cumulative rain measurement for those unattended days (and this will determine if a site inspection is needed). Days on which no rainfall occurred shall be recorded as "zero." The permittee may use another rain-monitoring device approved by the Division.
(2) E&SC Measures	At least once per 7 calendar days and within 24 hours of a rain event \geq 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 \geq 1.0 inch in 24 hours	1. Identification of the discharge outfalls inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration, 5. Indication of visible sediment leaving the site, 6. Description, evidence, and date of corrective actions taken.
(4) Perimeter of site	At least once per 7 calendar days and within 24 hours of a rain event \geq 1.0 inch in 24 hours	If visible sedimentation is found outside site limits, then a record of the following shall be made: 1. Actions taken to clean up or stabilize the sediment that has left the site limits, 2. Description, evidence, and date of corrective actions taken, and 3. An explanation as to the actions taken to control future releases.
(5) Streams or wetlands onsite or offsite (where accessible)	At least once per 7 calendar days and within 24 hours of a rain event \geq 1.0 inch in 24 hours	If the stream or wetland has increased visible sedimentation or a stream has visible increased turbidity from the construction activity, then a record of the following shall be made: 1. Description, evidence and date of corrective actions taken, and 2. Records of the required reports to the appropriate Division Regional Office per Part III, Section C, Item (2)(a) of this permit.
(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 an assurance that they will be provided as soon as possible.

NOTE: The rain inspection resets the required 7 calendar day inspection requirement.

**PART III
SELF-INSPECTION, RECORDKEEPING AND REPORTING**

SECTION B: RECORDKEEPING

1. E&SC Plan Documentation

The approved E&SC plan as well as any approved deviation shall be kept on the site. The approved E&SC plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&SC plan shall be kept on site and available for inspection at all times during normal business hours.

Item to Document	Documentation Requirements
(a) Each E&SC measure has been installed and does not significantly deviate from the locations, dimensions and relative elevations shown on the approved E&SC plan.	Initial and date each E&SC measure on a copy of the approved E&SC plan or complete, date and sign an inspection report that lists each E&SC measure shown on the approved E&SC plan. This documentation is required upon the initial installation of the E&SC measures or if the E&SC measures are modified after initial installation.
(b) A phase of grading has been completed.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate completion of the construction phase.
(c) Ground cover is located and installed in accordance with the approved E&SC plan.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate compliance with approved ground cover specifications.
(d) The maintenance and repair requirements for all E&SC measures have been performed.	Complete, date and sign an inspection report.
(e) Corrective actions have been taken to E&SC measures.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate the completion of the corrective action.

2. Additional Documentation 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 Timeframes (After Discovery) and Other Requirements
(a) Visible sediment deposition in a stream or wetland	<ul style="list-style-type: none"> • 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 <u>NC 303(d)</u> list as impaired for sediment-related causes, the permittee may be required to perform additional monitoring, inspections or apply more stringent practices if staff determine that additional requirements are needed to assure compliance with the federal or state impaired-waters conditions.
(b) Oil spills and release of hazardous substances per Item 1(b)-(c) above	<ul style="list-style-type: none"> • 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)]	<ul style="list-style-type: none"> • 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)]	<ul style="list-style-type: none"> • 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)]	<ul style="list-style-type: none"> • 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.

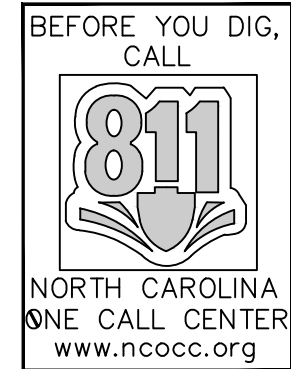
**PART II, SECTION G, ITEM (4)
DRAW DOWN OF SEDIMENT BASINS FOR MAINTENANCE OR CLOSE OUT**

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.

NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING

EFFECTIVE: 04/01/19



**OAKLEY
COLLIER
ARCHITECTS**

**NORTH GRANVILLE COUNTY
SENIOR CENTER**
GRANVILLE COUNTY
303 OXFORD ST., STOVALL, NC 27582

PRELIMINARY NOT FOR CONSTRUCTION

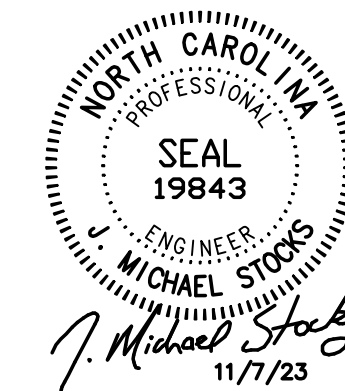
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GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

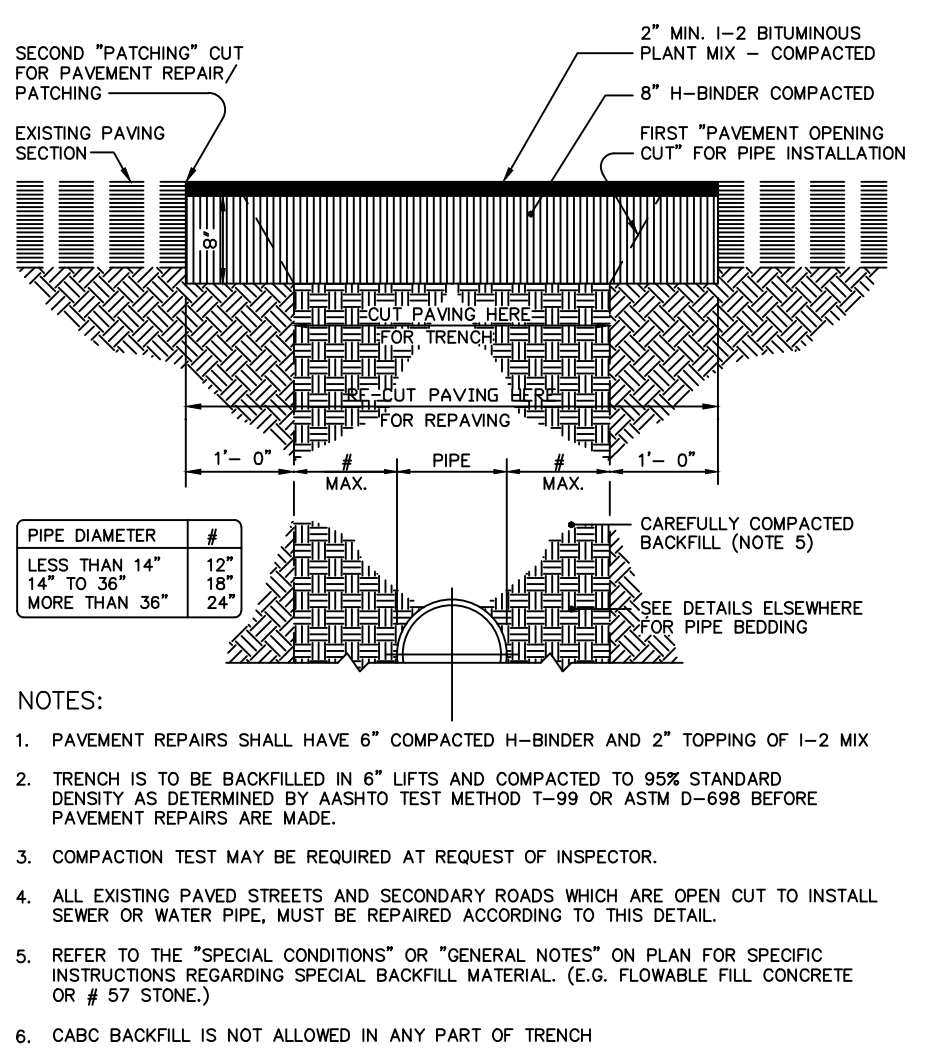
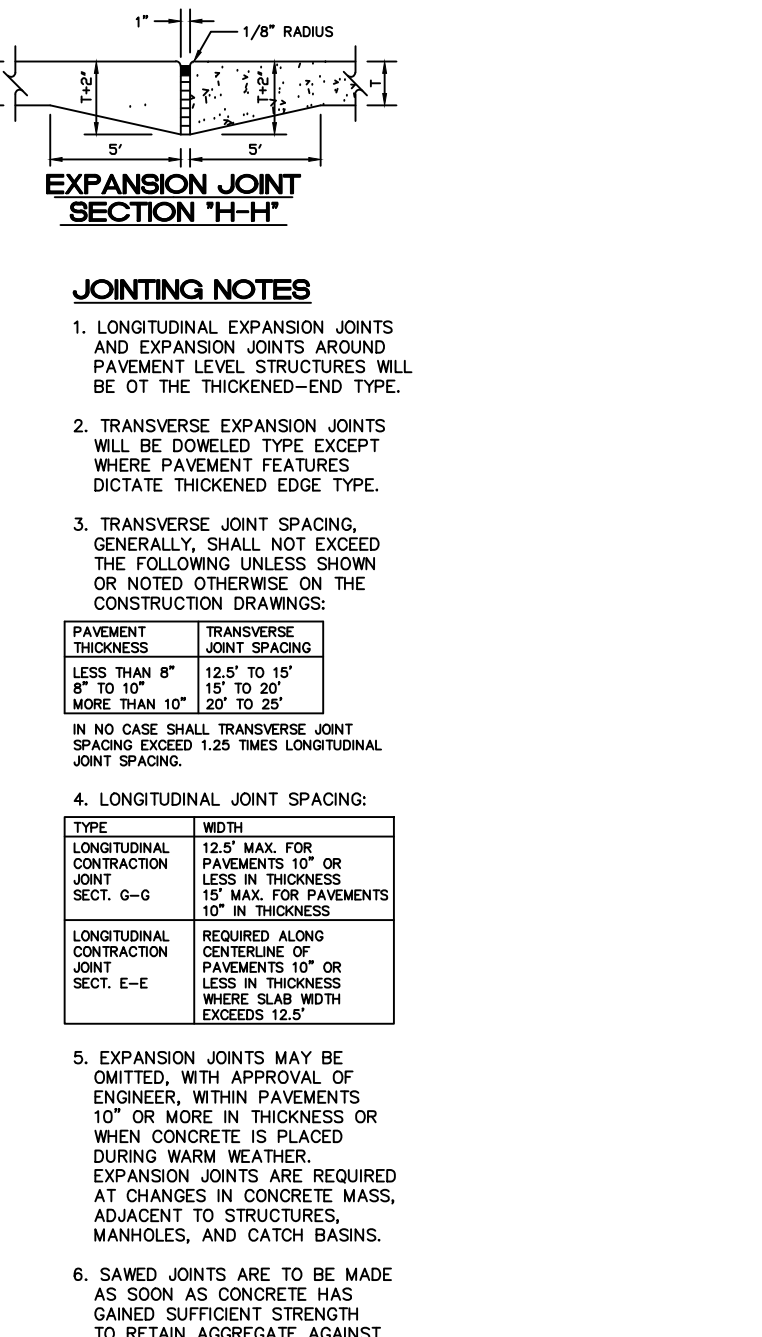
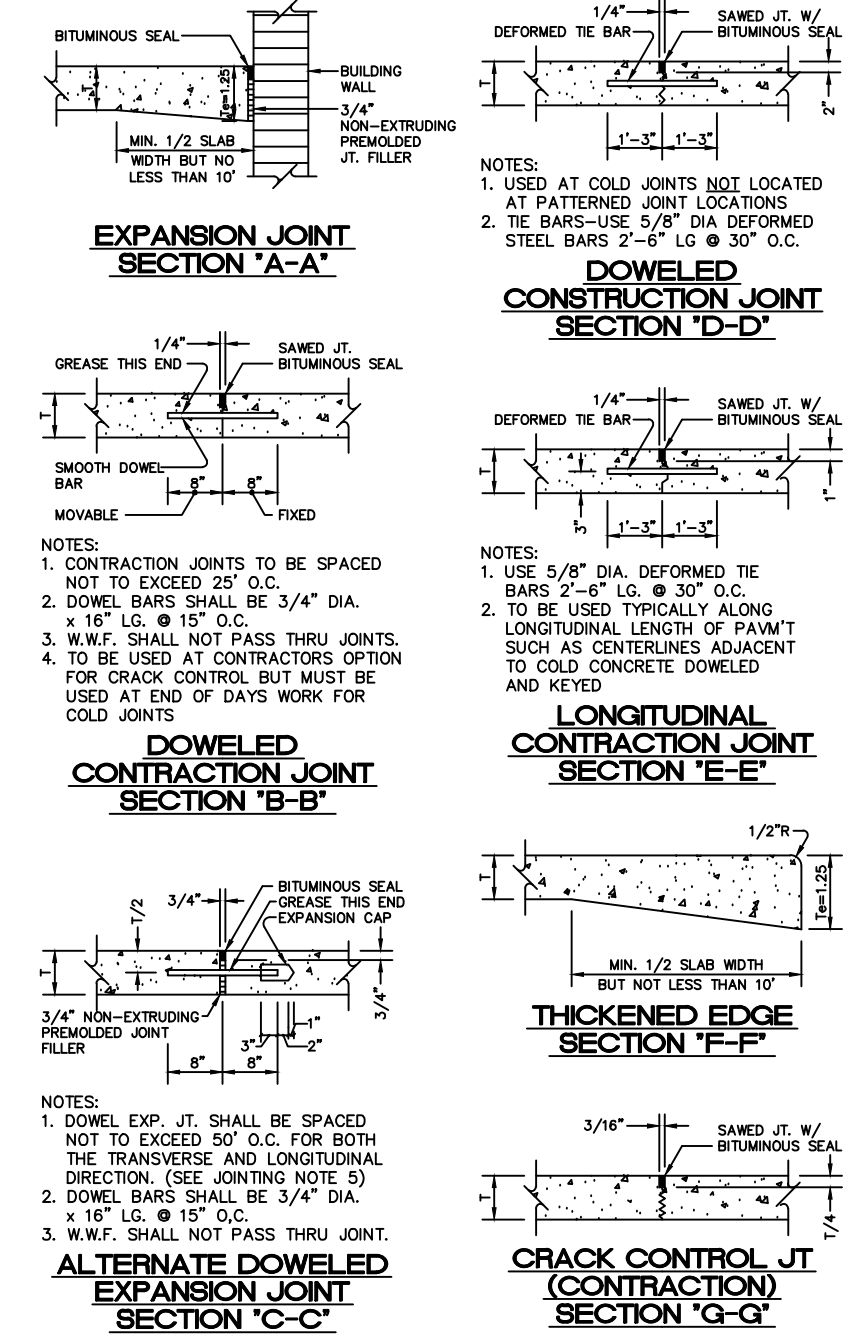
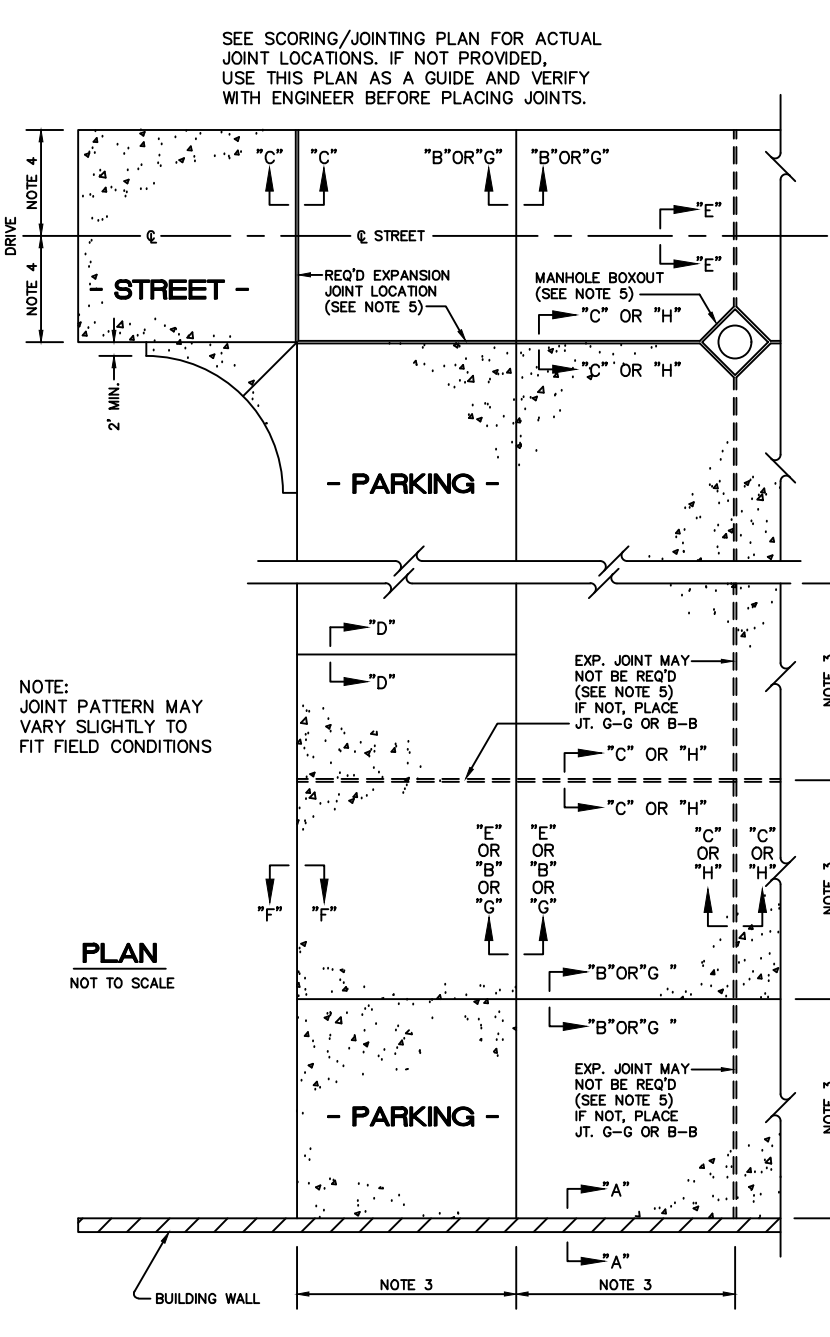
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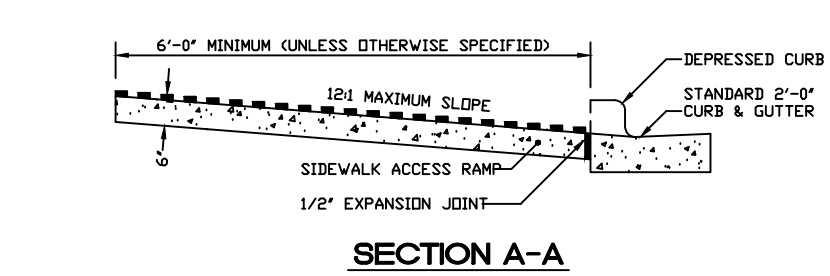


FULL DEPTH ASPHALT PATCH
SCALE: N.T.S.

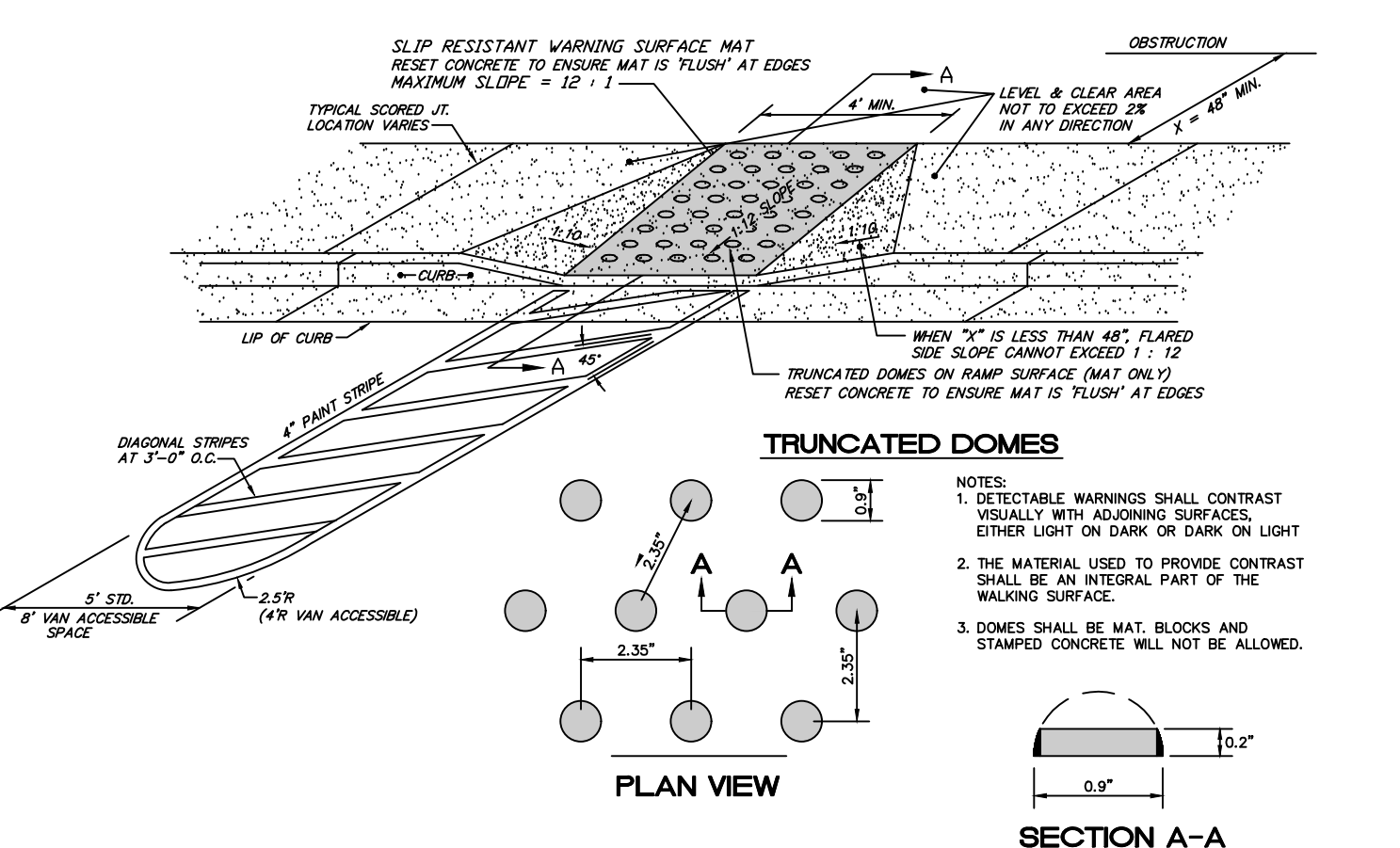
TYPICAL JOINT LOCATIONS
GENERIC DETAIL - WIDTH AND DEPTH OF CONCRETE VARIES
SCALE: N.T.S.

Asphalt Paving

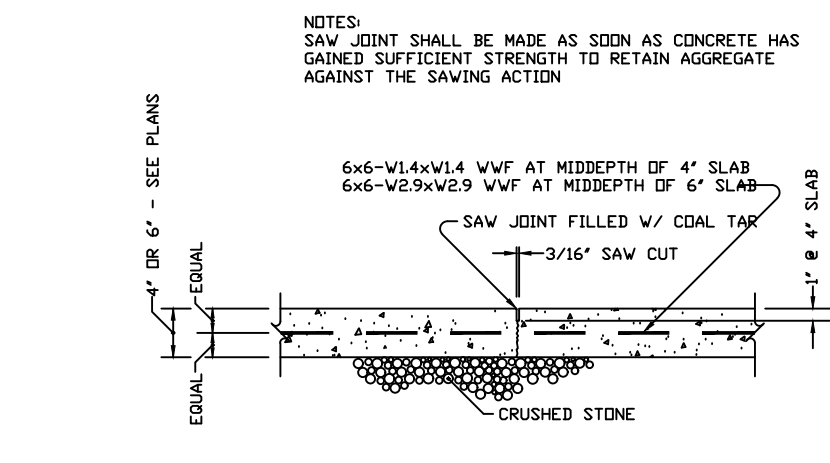
- The Contractor or Subcontractor performing the paving operation will be responsible for performing the following:
 - Surface Tolerance**
Surface tolerance requirements for smoothness must be checked in the presence of an Inspector using a "Rolling Straightedge" for checking surface tolerance. A variation of more than 1/8" in 10 feet will be considered unacceptable and must be corrected in an acceptable manner which will also meet Item (B and H) below.
 - Surface Texture**
Care shall be taken to insure that a smooth dense texture is achieved with no segregation, tearing, cracking, etc. Areas discovered which are not uniform in appearance and texture shall be reheated and rerolled, replaced, or if required by the Engineer, resurfaced at no additional cost to the Owner. Seams and edges shall be straight, true, and smooth.
 - Plant Tickets**
To verify depth for payment, plant tickets shall be submitted to the Engineer.
 - Payment of Asphalt**
No payment for paving will be made until the surface texture and smoothness has been inspected, satisfactorily repaired, if necessary, and approved by the Engineer and the Owner.
 - Paving Subcontractors**
The General Contractor in charge of the Paving Contractor shall be responsible for assuring that his paving Contractor has read these requirements if paving is to be subcontracted. Failure to inform a Subcontractor does not relieve the Prime Contractor of these requirements.
 - Paving Condition**
No paving of asphalt shall take place until the Utility Contractor and the Paving Contractor have mutually agreed that all valve boxes and manholes have been set to finished grade and that it is the Paving Contractor's responsibility to make minor adjustments prior to paving, as applicable.
 - Asphalt Specifications**
Asphalt and CABC shall meet the NCDOT "Standard Specifications for Roads and Structures", latest revision. Asphalt mix and placement shall meet Division 6 of the State Specifications. CABC shall meet Section 520 of the State Specifications and graded in accordance with Table 520-1. Placement and compaction shall meet Section 520.
 - Asphalt Patching**
Asphalt Patching WILL NOT BE ALLOWED. In the event that Asphalt is unsatisfactory to Engineer, the contractor shall mill entire section of asphalt and resurface a minimum depth of one and one-half inch and at minimum length of one hundred feet for the entire width of section in question. This area is to be determined by inspection with the contractor and/or sub contractor and the Engineer present.



SECTION A-A
NOTE: INSTALL "MAT" TRUNCATED DOMES UNLESS CONTRACTOR PROVIDES LETTER FROM MUNICIPALITY THAT THEY ARE NOT ALLOWED. CONTRACTOR TO DISCUSS WITH OWNER PRIOR TO INSTALLATION!!!



HANDICAP RAMP IN WALK (TYP)
GENERIC DETAIL - SEE GRADING PLAN FOR ACTUAL DIMENSIONS AND GRADES
SCALE: N.T.S.



TYPICAL SLAB CRACK CONTROL JOINT DETAIL "SJ"
SCALE: N.T.S.

Grading Notes

- Site Contractor to inform Building Contractor to verify finished grade at building before digging footings. Some portions of the building foundation wall may, if necessary, need to retain building pad fill to allow exterior grades to be dropped. In this case, step footings may be necessary to achieve the desired grade variations.
- New finished contours shown are top of future paving in areas to receive pavement and top of topsoil in areas to be seeded.
- Areas outside of the parking lot perimeters shall receive 4 inches of topsoil. This topsoil to be placed and leveled by the Contractor.
- Dimensions on buildings are for grading purposes only and are not to be used to lay-off footings. See Architectural Plans.
- Contractor shall notify and cooperate with all utility companies or firms having facilities on or adjacent to the site before disturbing, altering, removing, relocating, adjusting or connecting to said facilities. Contractor shall raise or lower tops of existing manholes, as required, to match finished grades.
- All catch basin grate and frames are to be Vulcan or approved equal. Verify that dimension heights on castings are not exceeded in critical areas before ordering subsurface castings!
- All areas not covered by building or paving are to be seeded and mulched.
- Unusable excavated materials and all waste resulting from clearing and grubbing and demolition shall be disposed of off-site by Contractor.
- All excavation is unclassified and shall include all materials encountered.
- Before any machine work is done, Contractor shall stake out and mark the items established by the Site Plan. Control points shall be preserved at all times during the course of the project. Lack of proper working points and grade stakes may require cessation of operations until such points and grades have been placed to the Owner's satisfaction.
- Contractor to ensure all portions of the site have positive drainage. This must be verified prior to paving or pouring concrete.
- Refer to soils report for directions on earthwork and subgrade preparation, if available.

Concrete Notes

- All construction, placing, pouring and curing concrete is to conform to the latest edition of ACI 318.
- All reinforcing steel is to be cold cut and bent.
- Portland cement concrete shall have a minimum 28 day compressive strength of 4,000 PSI.
- Do not use chloride in any concrete which has reinforcing steel or wire fabric.
- Reinforcing steel shall meet ASTM A-615, Grade 60. Welded wire fabric shall meet ASTM A-82. Tie wire shall conform to ASTM A-82.
- Lap welded wire fabric a minimum of one mesh. Lap all bars a minimum of 24". Alternate adjacent bar splices a minimum of 48".
- Use only approved chairs with sand plates to support reinforcing on grade.
- All crossings of reinforcement are to be tied. Supports for reinforcing to hold bars against movement during pour and finish operation. Supports for reinforcing bars to be a minimum of 48 inches apart.
- Concrete shall be only plant-mixed, transit-mixed or ready-mixed concrete. The time elapsing from mixing to placing the concrete shall not exceed ninety (90) minutes.
- Concrete shall not be deposited on frozen subgrade and shall not be poured when the air temperature for the succeeding 24-hour period is less than 32 degrees F.
- Concrete when placed in forms shall have a temperature between 50 degrees F and 90 degrees F and shall be maintained at a temperature of not less than 50 degrees for at least 72 hours for normal concrete and 24 hours for high early strength concrete.
- Do not place fresh concrete during summer on a dry subgrade. Moisten subgrade before placing concrete.
- Subgrade is to be firm, free of water and/or silt and undisturbed or compacted properly. Consult Engineer if soft or yielding subgrade is encountered for improvement directions. If ground water is entering subgrade, consult Engineer for instructions.
- Areas of concrete to be removed shall be saw cut before removing. The saw cut shall provide a smooth, straight edge approximately two (2) inches deep before breaking away the adjacent concrete.
- Immediately after the forms have been removed and all honeycombed areas are repaired, backfill to prevent underwash.
- Brooming of the concrete surface shall be done transverse to the direction of traffic for all pedestrian areas.
- Joint spacing shall be no less than 8-feet. Where existing sidewalks are being widened, transverse joints shall be located so as to line up with existing joints in the adjacent existing sidewalk. Grooved joints shall not be sealed. Seal all others.
- Concrete Sub shall be responsible for all score joints and expansion joints. A preliminary score joint pattern and expansion joint pattern shall be submitted to the project engineer for review prior to pouring concrete.
- Expansion joints shall be one-half (1/2) inch in width and shall be placed between all rigid objects at a distance of no more than thirty (30) feet apart and shall extend the full depth of the concrete with the top of the filler one-half (1/2) inch below the finished surface.
- The edges of the curbside/sidewalk shall be finished with an approved edging tool one-half (1/2) inch radius. Joints shall be similarly finished immediately after templates have been removed.
- Saw control joints as soon as fresh concrete will retain coarse aggregate against the sawing action.
- Contractor SHALL NOT POUR any concrete before forms are inspected by the project engineer and/or the architect. Any concrete that has not been approved by the engineer and/or owner will be the responsibility of the contractor.
- Cracked concrete shall be removed. Remove entire panel from joint to joint.

Concrete Testing Requirements

- Initial Test**
The initial test (from first ready-mix truck) is to be taken after the second yard is dispatched from the mixer and is to consist of the following:
- One slump test
 - Pull, prepare and store 3 cylinders on-site for 24 hours.
 - Temperature
- Subsequent Tests**
After the above tests are pulled from the initial truck, every 5th truck thereafter is to be tested in the same manner as noted above.

Asphalt Testing Requirements

- Compaction** - Testing for asphalt density is to follow NCDOT "Standard Specifications for Roads and Structures", Section 609-9, "Field Compaction Quality - Management," latest revision.
- Thickness** - The minimum frequency of coring for thickness testing shall be on the basis of test sections consisting of not more than 1500 linear feet of lay down width, exclusive of intersections and irregular areas. The test sample is to be a 6-inch cored sample. The sample is to be numbered and logged for identification purposes.
- Contractor's Quality Control System**
Follow NCDOT "Standard Specifications for Roads and Structures", Section 609-5, "Contractor's Quality Control System," latest revision.
- Mixture and Job Mix Formula Adjustments**
Follow NCDOT "Standard Specifications for Roads and Structures", Section 609-4, "Field Verification of Mixture and Job Mix Formula Adjustments", latest revision.
- General** - All other applicable sections of Section 609 of the NCDOT "Standard Specifications for Roads and Structures" shall apply relating to Quality Control - Plan, mix design, control limits, corrective action, equipment and measurement.
- Testing Cost** - Contractor is responsible for cost of testing asphalt and concrete.

Parking, Street or Building Subgrade Preparation

- Subgrade on Precompacted Original Soil**
 - Remove all the topsoil and all questionable organic soil and extend a minimum of four (4) feet beyond the outside edge of the pavement.
 - Precompact the exposed grade with a vibratory roller weighing a minimum of ten (10) tons (static load) or equal to stabilize the initial settlement of the top strata of the soil. The stability of the subgrade will be considered adequate when the total settlement after the last four (4) complete passes by the vibratory roller does not exceed 1/8". Any area that settles excessively and fails to stabilize under continued rolling should be further undercut and replaced with properly compacted select granular fill.
- Subgrade on Certified Compacted Fill**
 - Prepare the site following the same procedures as outlined in Items 1 and 2 above.
 - Using the same compaction equipment as outlined above, compact new fill soil in +/-8-inch layers to a minimum 98-percent of the maximum dry density at its optimum moisture content in accordance with the Standard Proctor Method, ASTM Standard D 698-78 and field controlled in accordance with ASTM Standard D 2167-84, or equal. The top one (1) foot of the prepared fill subgrade should be compacted to 100-percent of the maximum dry density using the Standard Proctor Method.
 - The end of the fill should be terminated at the minimum slope of two (2) horizontal to one (1) vertical measured from three (3) feet beyond the outside edge of the pavement to the toe of the fill. The fill soil is to be select granular soil weighing a minimum of 110 pcf at its optimum moisture content.

Drainage Notes

- Boxes may be reinforced masonry, masonry, precast concrete or cast-in-place reinforced concrete.
- The maximum height of an un-reinforced masonry drainage structure with 8-inch walls shall be limited to 8-foot from invert of the outlet pipe to the top of the casting. Depths greater than 8-feet shall have walls 12-inches thick. Basins over 12-feet in total depth shall be designed by a NC Professional Engineer. Four-inch walls are not allowed on drainage structures.
- Steps are to be provided on all basins deeper than 42".
- Steps are to be PS-1-PF as manufactured by M. A. Industries or an approved equal. Locate on non-pipe walls.
- Mortar in masonry boxes is to be type M.
- Clay brick structures are not allowed.
- Concrete building brick is to meet ASTM C-55, Grade N, and Type 1.
- All iron castings are to be drilled and lagged to the drainage structure. The drainage structure as well is to be drilled.
- All cast-in-place or precast concrete drainage structures located in paved areas accessible to truck loadings to be designed to meet AASHTO HS 20-44 loading. See manufacturer's details for wall, top and bottom thickness.
- All catch basins grates and frames are to be Vulcan or approved equal. Verify dimensions heights on castings are not exceeded in critical areas before ordering castings!
- All concrete pipe is to be ASTM C-76, Class III with ram-nek.
- All frames and grates shall receive a bituminous coating.



STOCKS ENGINEERING
801 EAST WASHINGTON STREET
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WWW.STOCKSENGINEERING.COM

P.O. BOX 1108
PHONE: (252) 459-8196

SE PROJECT #2023-061

OAKLEY COLLIER ARCHITECTS
OCA ARCHITECTS

NORTH GRANVILLE COUNTY SENIOR CENTER
GRANVILLE COUNTY
303 OXFORD ST., STOVALL, NC 27582

PRELIMINARY NOT FOR CONSTRUCTION

PRELIMINARY NOT FOR CONSTRUCTION

GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

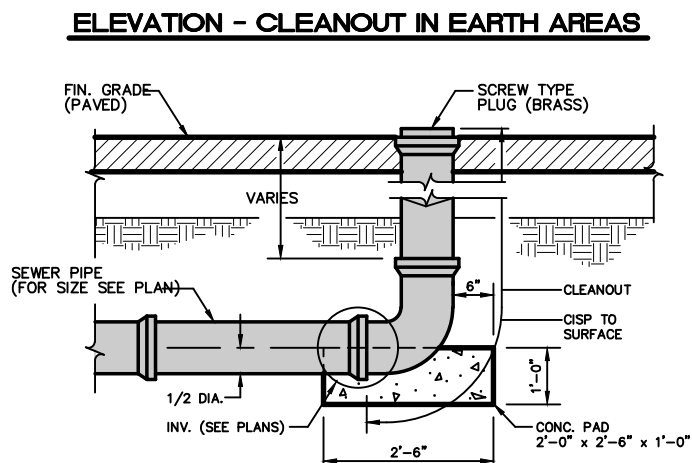
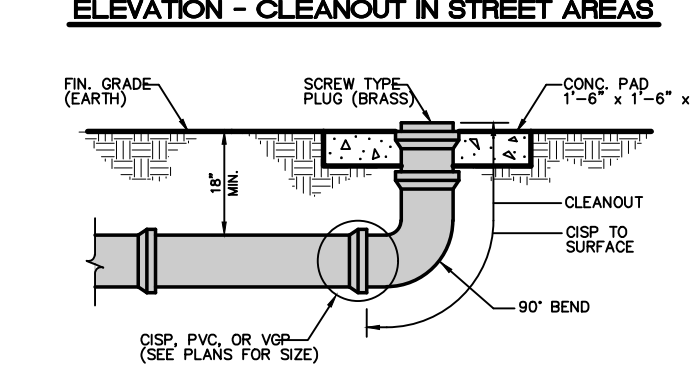
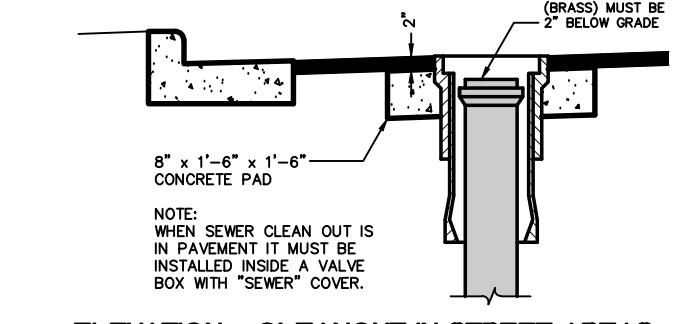
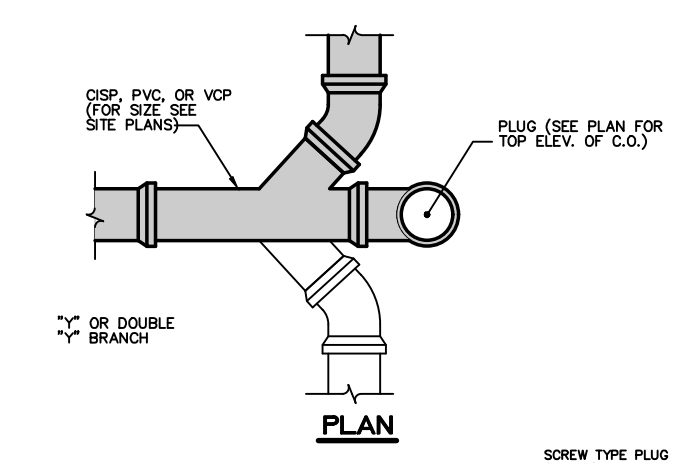
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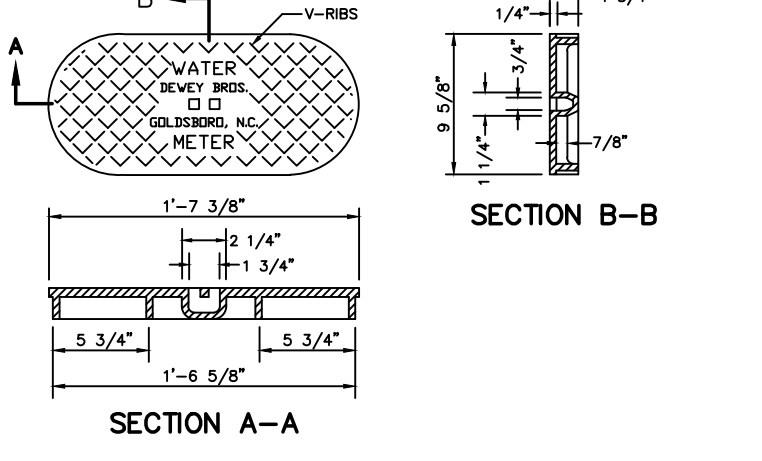
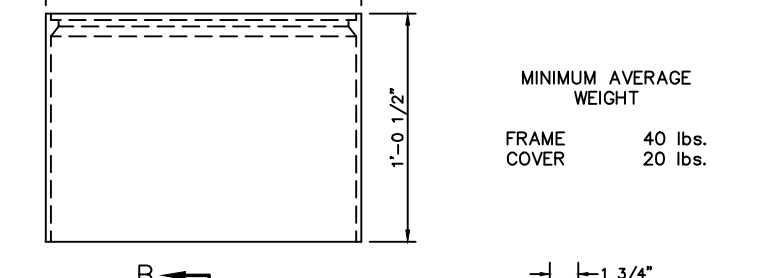
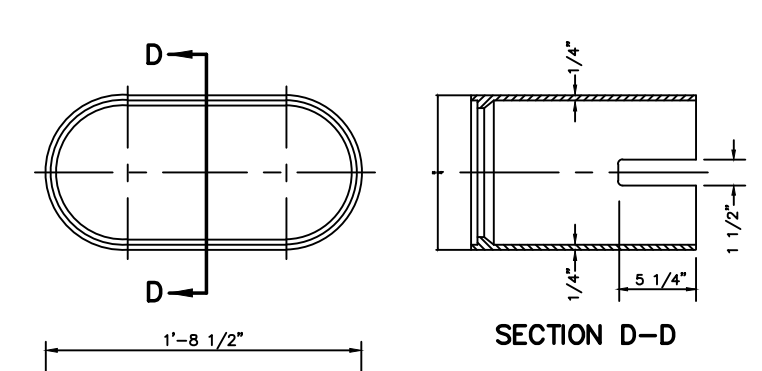
SITE NOTES and DETAILS

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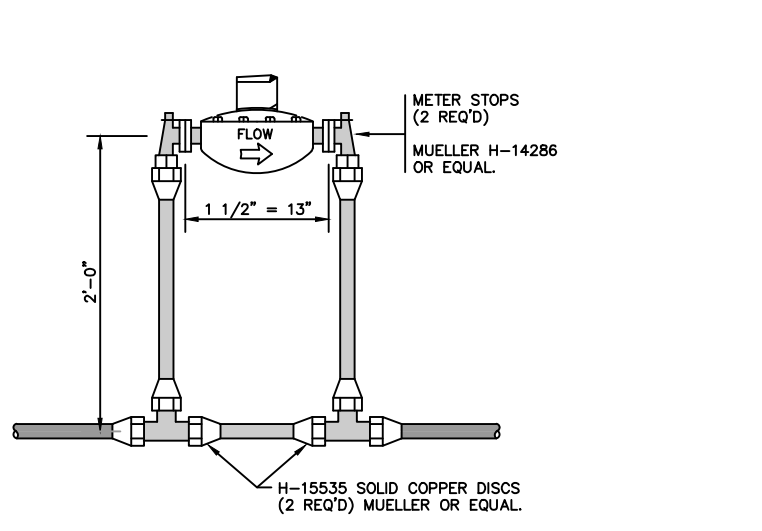
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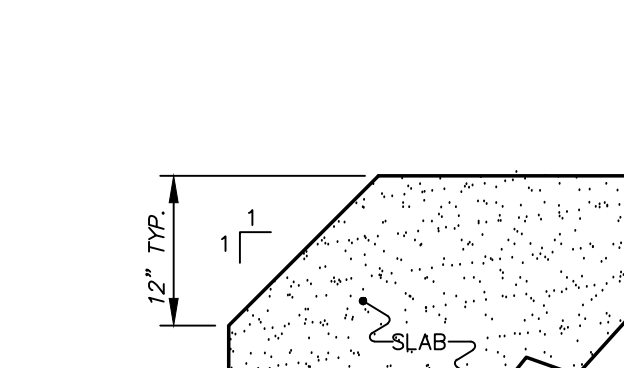
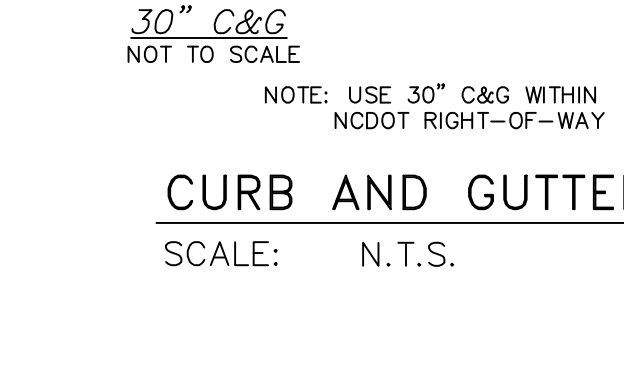
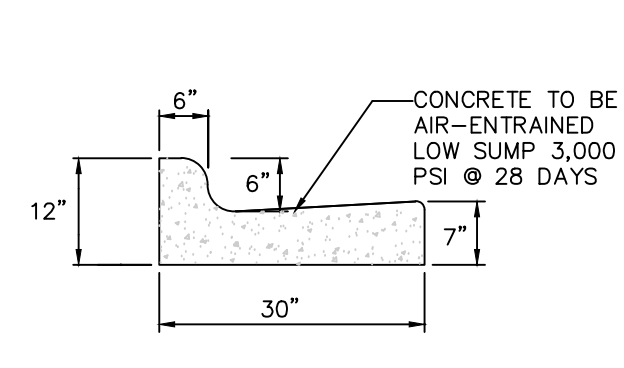
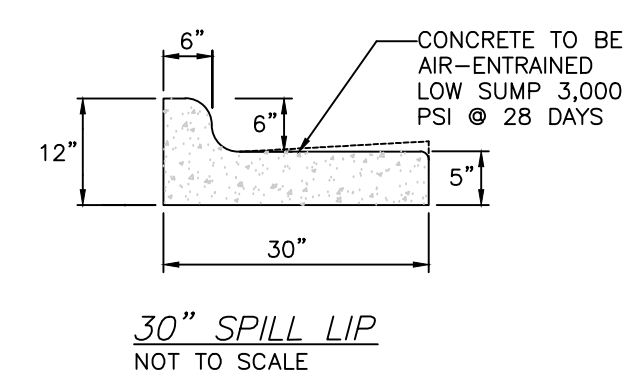
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WATER METER BOX



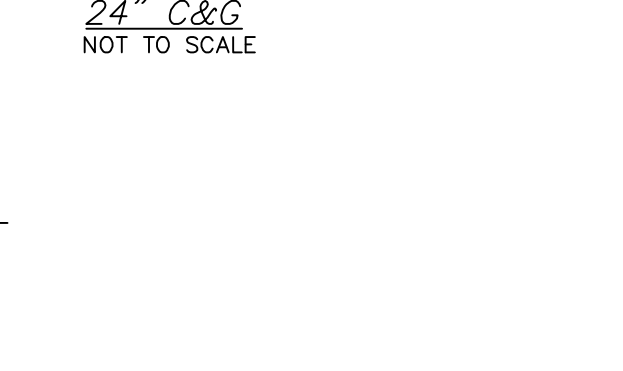
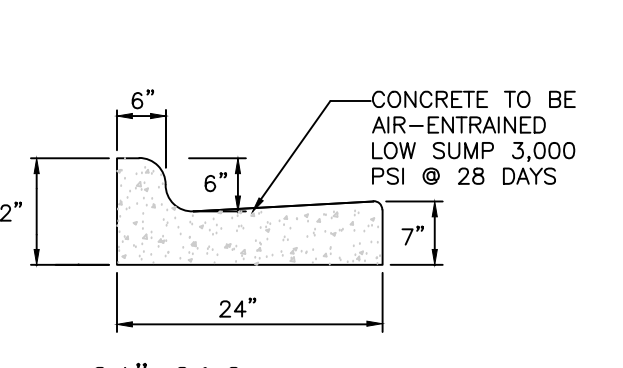
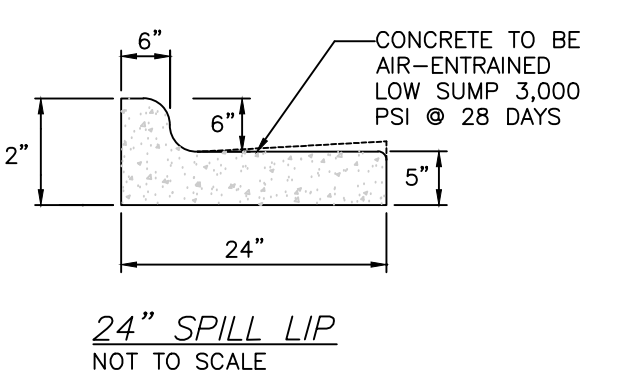
COPPER SETTER
ALL COPPER PIPE, TYPE K-IN LENGTHS



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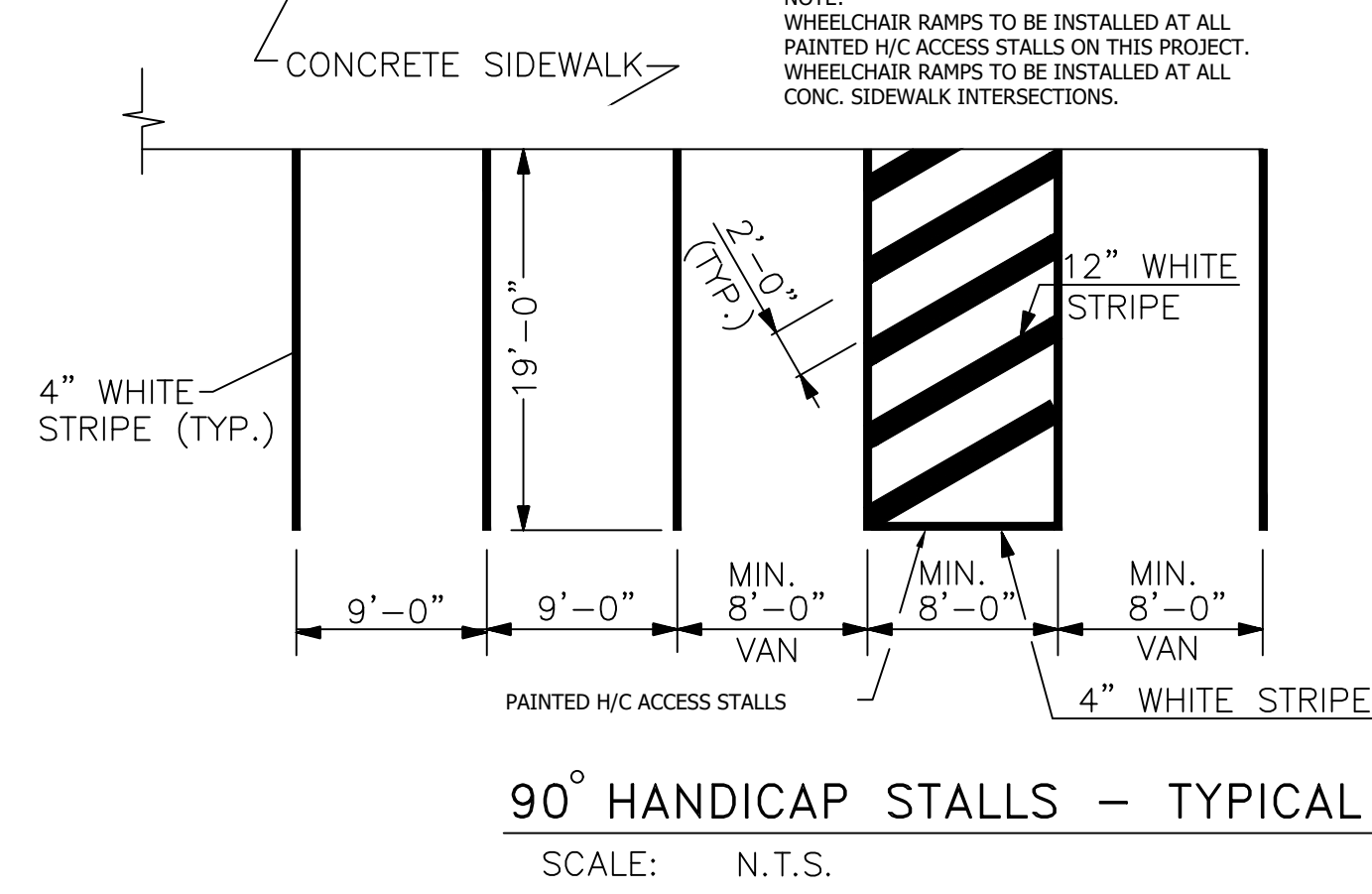
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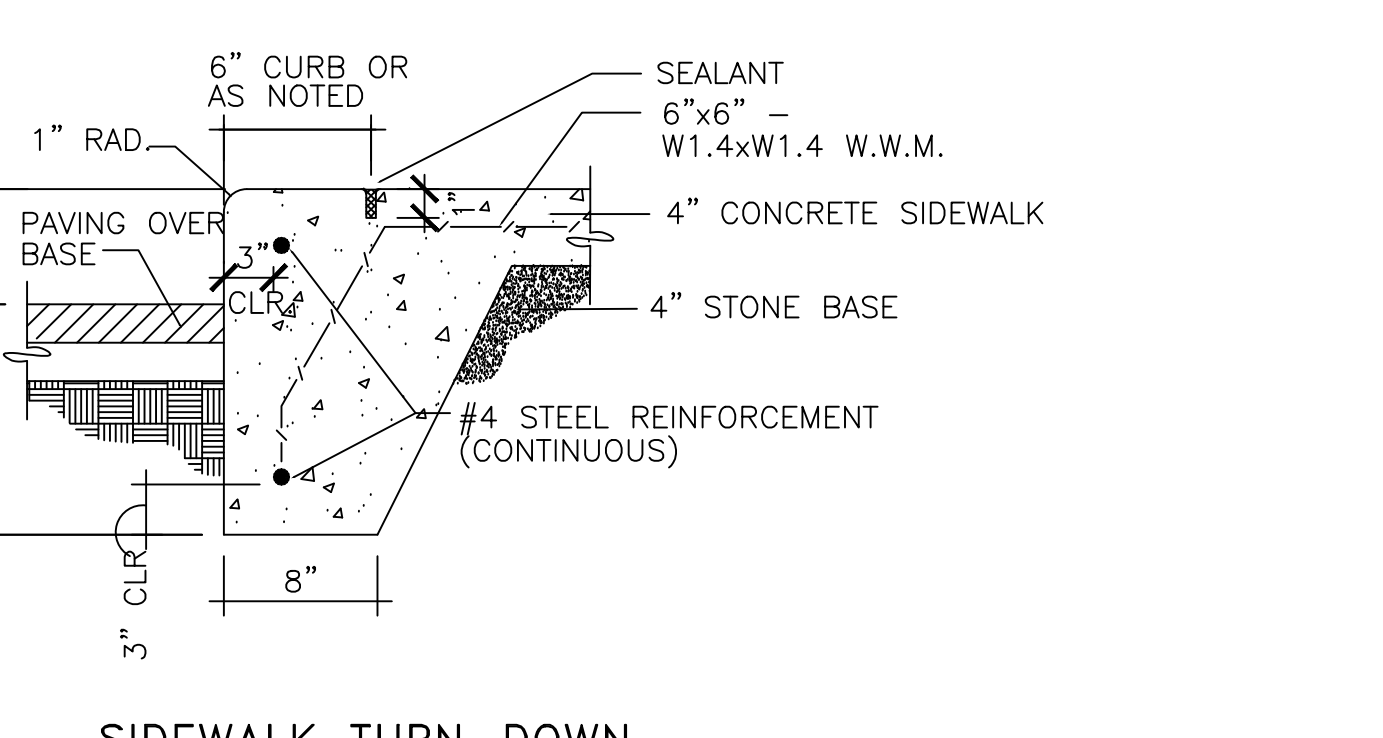
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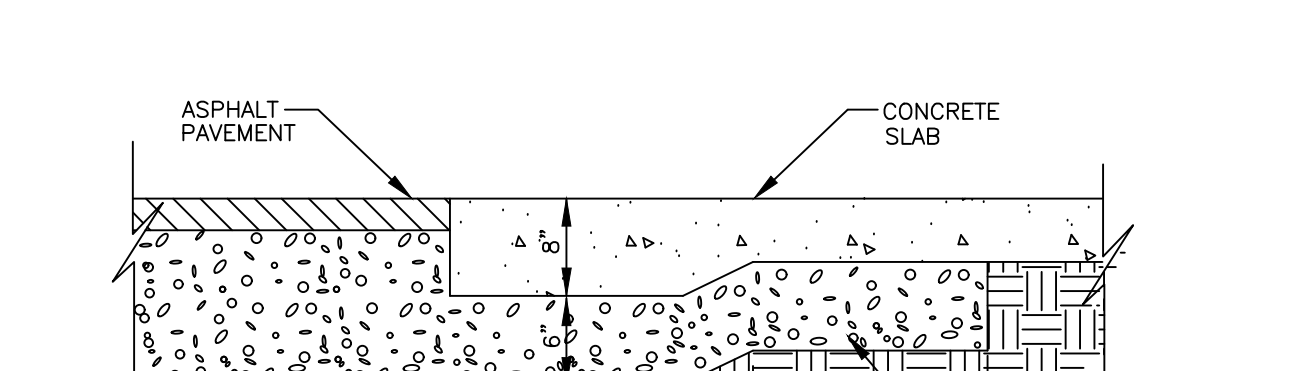
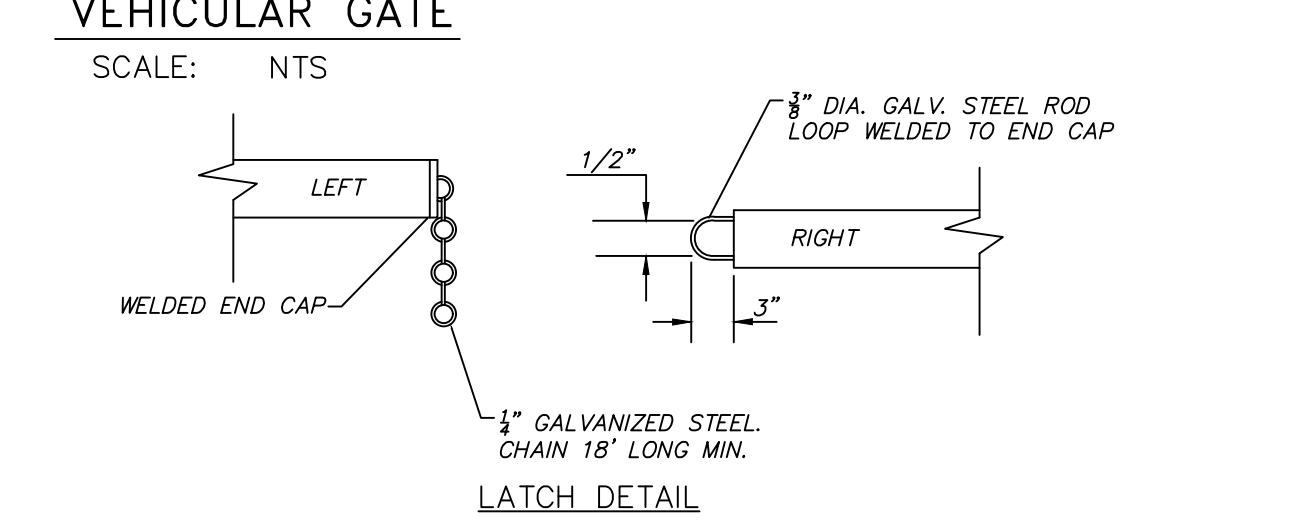
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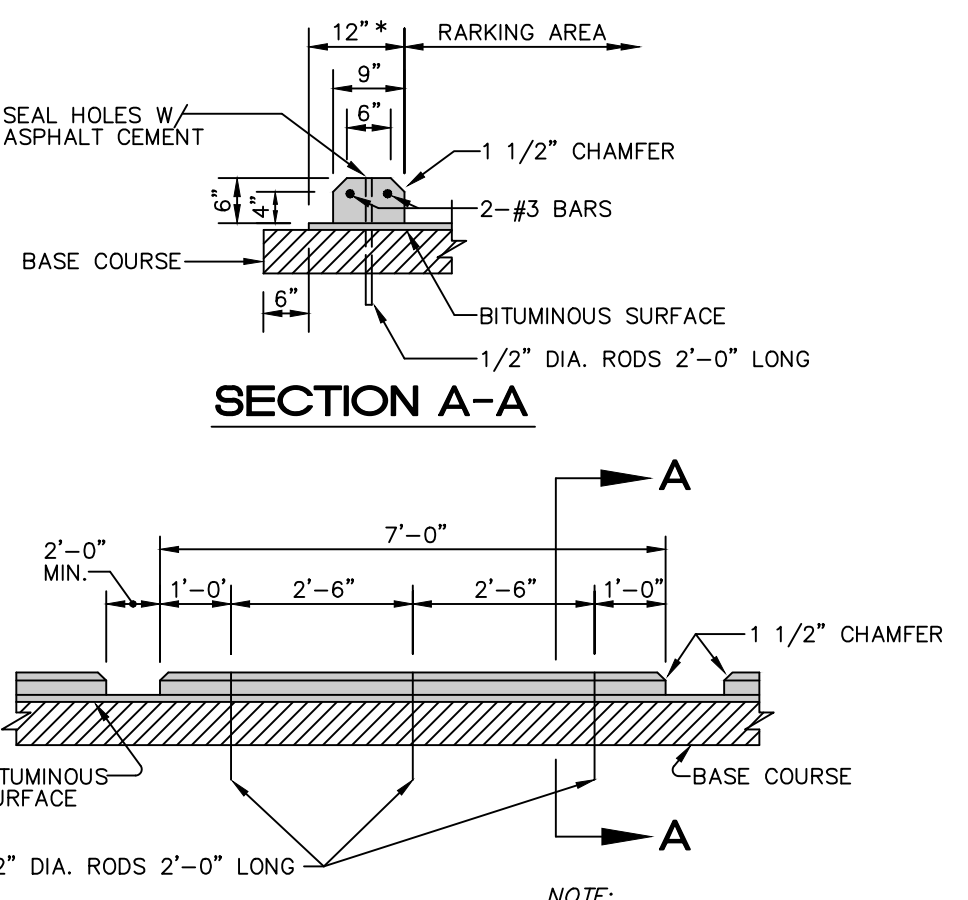
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SCALE: N.T.S.



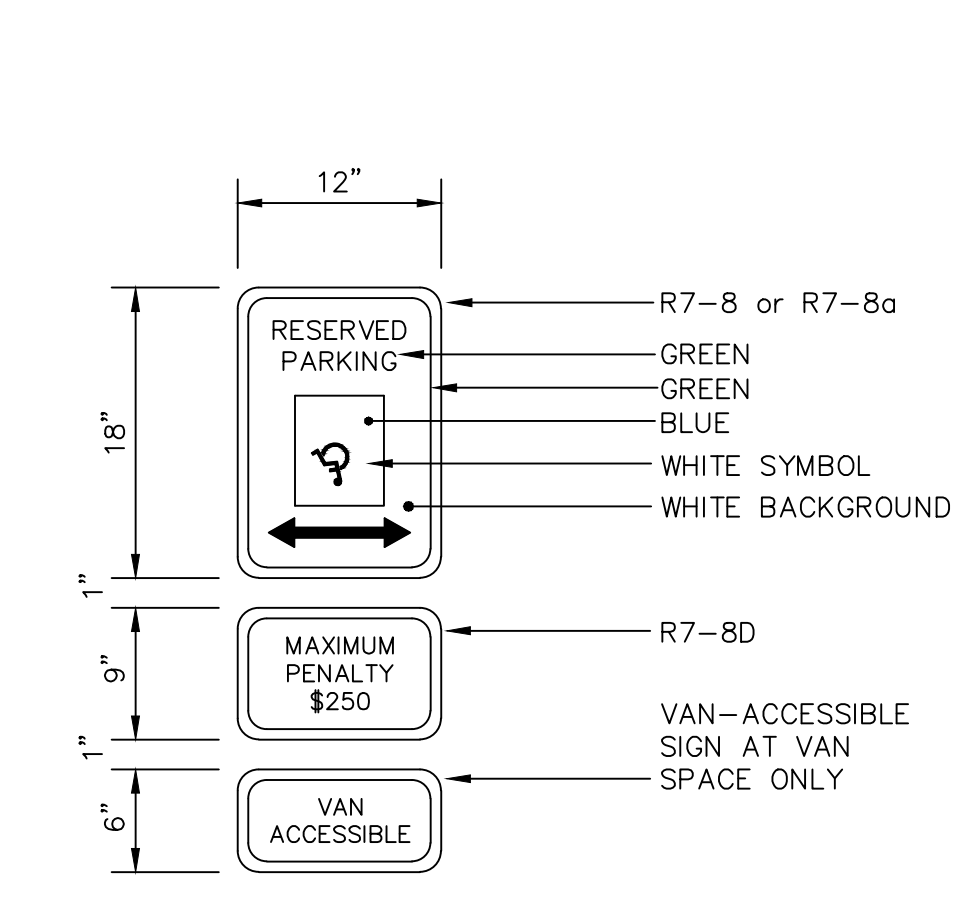
SIDEWALK TURN-DOWN
SCALE: N.T.S.



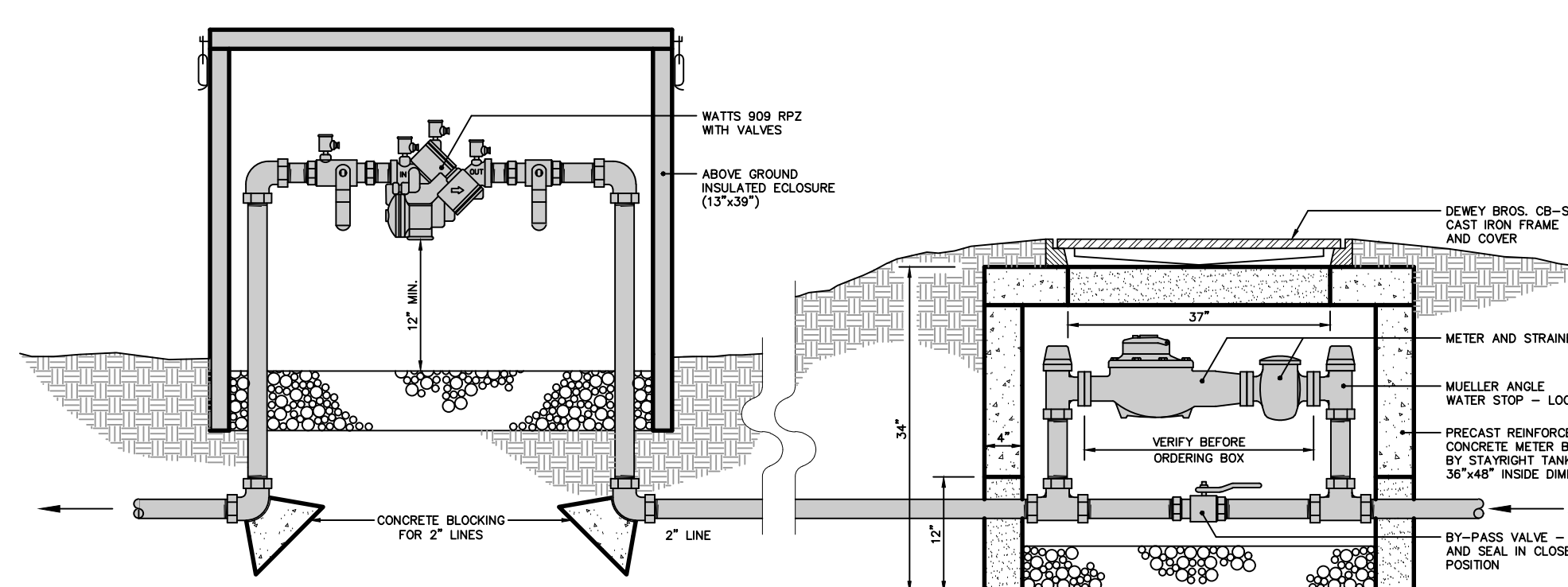
CONCRETE/BITUMINOUS PAVEMENT INTERFACE
SCALE: N.T.S.



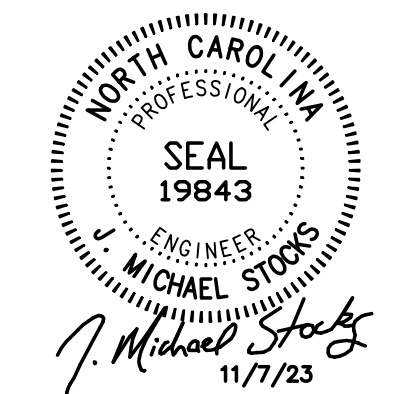
WHEEL STOP DETAIL
SCALE: N.T.S.



R7-8 HANDICAP SIGN
SCALE: N.T.S.



RPZ BACKFLOW AND METER GANG FOR 2" DIA. OR SMALLER SERVICE



STOCKS ENGINEERING
801 EAST WASHINGTON STREET
NASHVILLE, N.C. 27856
P.O. BOX 1108
PHONE: (252) 459-8196
WWW.STOCKSENGINEERING.COM
SE PROJECT #2023-061

OAKLEY COLLIER ARCHITECTS
OCA ARCHITECTS
109 Condiewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
303 W. Martin Street, Raleigh, NC 27601

NORTH GRANVILLE COUNTY SENIOR CENTER
GRANVILLE COUNTY
303 OXFORD ST., STOVALL, NC 27582

PRELIMINARY NOT FOR CONSTRUCTION

PRELIMINARY NOT FOR CONSTRUCTION

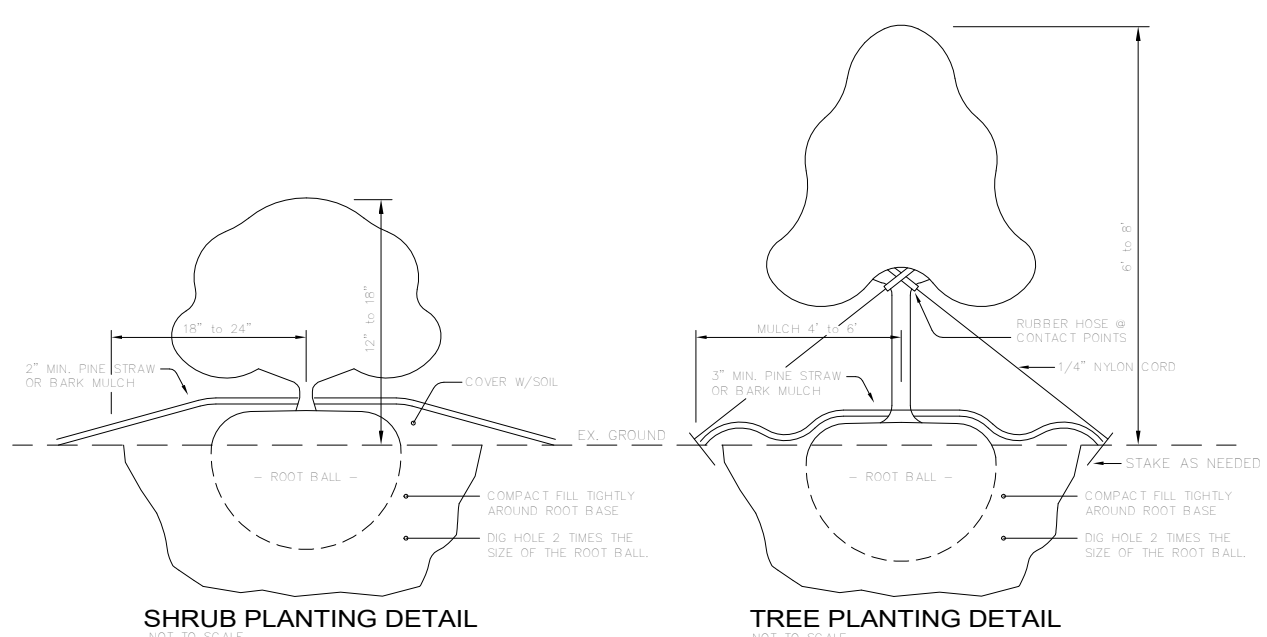
GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions	Description	Date
#		

Date	Project No.
OCT 12 2023	22042
Drawn By	Sheet No.
Author	
Checked By	D-06
Checker	

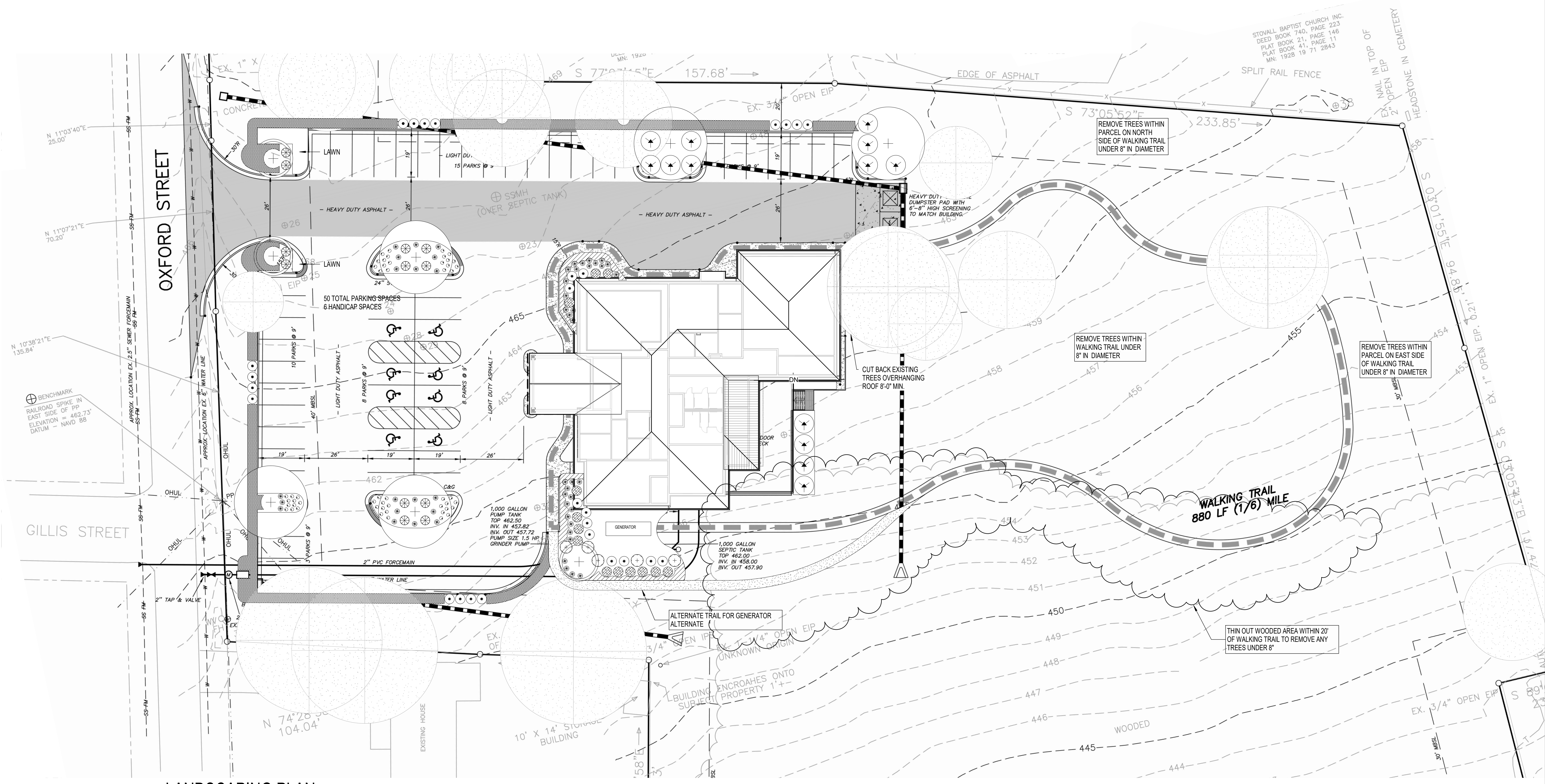
Site Title
SITE DETAILS

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2
L1.1 TREE PLANTINGS
N.T.S.

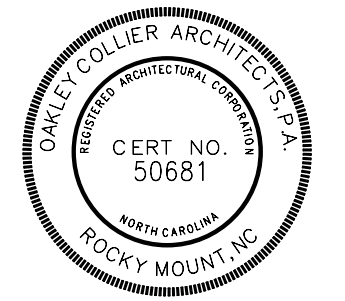
LANDSCAPING NOTES		LEGEND	
<p>1. ALL PLANTS MUST BE LOCATED OUTSIDE OF EXISTING AND/OR PROPOSED DRAINAGE AND UTILITY EASEMENTS, UNLESS CONSENT OF THE LOCAL JURISDICTION AND/OR THE EASEMENT HOLDER OF THE EASEMENT IS GRANTED.</p> <p>2. A MINIMUM 10-FOOT HORIZONTAL SEPARATION IS REQUIRED BETWEEN ALL OVERHEAD LIGHT POLES AND/OR UTILITY LINES AND SHADE/LARGE TREES IN ORDER TO PREVENT CONFLICTS AND FUTURE MAINTENANCE PROBLEMS.</p> <p>3. ALL TREES PLANTED SHALL HAVE A MINIMUM OF THREE INCHES OF PINE STRAW OR BARK MULCH. SEE TREE PLANTING DETAIL.</p> <p>4. ALL SHRUBS PLANTED SHALL HAVE A MINIMUM OF TWO INCHES OF PINE STRAW OR BARK MULCH. SEE SHRUB PLANTING DETAIL.</p> <p>5. ANY CHANGES, REVISIONS, OR SUBSTITUTIONS MUST BE SUBMITTED TO THE OWNER / ARCHITECT FOR APPROVAL, PRIOR TO INSTALLATION OR CONSTRUCTION.</p> <p>6. ALL REQUIRED SHADE / LARGE TREES SHALL BE PLANTED AT LEAST 2.5 FEET FROM THE EDGE OR ANY DRIVEWAYS OR PARKING SPACES IN ORDER TO REDUCE THE CHANCE OF DAMAGE FROM VEHICLES. HOWEVER, IT IS RECOMMENDED TO MAINTAIN A CLEAR DISTANCE OF 5 FEET FOR BOTH.</p> <p>7. SEEDING TO BE PROVIDED IN ALL DISTURBED AREAS ON THE SITE IN ACCORDANCE WITH SPECS.</p>			



1
L1.1 LANDSCAPING PLAN
1" = 20'-0"

OAKLEY COLLIER ARCHITECTS
OCA ARCHITECTS

NEW CONSTRUCTION FOR
NORTH GRANVILLE COUNTY SENIOR CENTER
GRANVILLE COUNTY
303 OXFORD ST., STOVALL, NC 27582



GENERAL NOTE:
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Revisions	
#	Description Date
1	Revision 1 Date 1

Date	Project No.
FEB 12 2024	22042
Drawn By	Sheet No.
TW	
Checked By	Sheet Title
DG	L1.1 LANDSCAPING PLAN

GENERAL

- 1. THESE GENERAL NOTES ARE NOT INTENDED TO REPLACE SPECIFICATIONS (IF PROVIDED). SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO THE GENERAL NOTES.
2. DO NOT SCALE DIMENSIONS FROM DRAWINGS. THE CONTRACTOR SHALL REQUEST NECESSARY DIMENSIONS NOT SHOWN ON THE DRAWINGS.
3. WHERE A DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE OR SIMILAR CONDITIONS EVEN THOUGH NOT SPECIFICALLY REFERENCED ON THE DRAWINGS.

CONTRACTOR RESPONSIBILITY

- 1. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS (IF PROVIDED) REPRESENT THE FINISHED STRUCTURE, AND, EXCEPT WHERE SPECIFICALLY SHOWN, DO NOT INDICATE THE METHOD OR MEANS OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, PROCEDURES, TECHNIQUES, AND SEQUENCE. ALL APPLICABLE SAFETY REGULATIONS TO BE FOLLOWED STRICTLY.
2. THE STRUCTURE HAS BEEN DESIGNED TO RESIST DESIGN LOADS ONLY AS A COMPLETED STRUCTURE. APPLICATIONS OF CONSTRUCTION LOADS TO THE PARTIALLY COMPLETED STRUCTURE SHALL BE CONSIDERED BY THE CONTRACTOR AND SO INCLUDED IN THE DESIGN OF SHORING, BRACING, FORMWORK, AND ANY OTHER SUPPORTING ELEMENTS PROVIDED FOR CONSTRUCTION OF THE STRUCTURE.

DESIGN CRITERIA

- 1. PROJECT LOCATION: [STREET ADDRESS | CITY, STATE ZIP]
2. APPLICABLE CODES:
2018 NORTH CAROLINA BUILDING CODE (2015 INTERNATIONAL BUILDING CODE WITH REVISIONS)
MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES (ASCE/SEI 7-10)
BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-14)
BUILDING CODE REQUIREMENTS/SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530/530.1-13)
SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS (AISC 360-10)
NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (ANSI/AWC NDS-2015)
NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS (AISI S100-12)

Table with columns: ZONE, EFFECTIVE WIND AREA (SF), and values for 10, 50, 100, 500. Rows include ROOF and WALL categories.

CONCRETE | REINFORCING STEEL

- 1. ALL CONCRETE DESIGN AND CONSTRUCTION SHALL CONFORM TO THE REFERENCED EDITION OF THE BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318).
2. CONCRETE MIXTURES AS REQUIRED (BASED ON CLASS DESIGNATION):
CLASS A - FOOTINGS, GRADE/TIE BEAMS NWC 3,000 PSI
CLASS C - INTERIOR SLABS ON GRADE NWC 3,000 PSI
CLASS F - EXTERIOR SLABS ON GRADE, PADS, TOPPING NWC 4,500 PSI

CONCRETE CONSTRUCTION JOINTS

- 1. CONTRACTOR SHALL PROVIDE NECESSARY CONSTRUCTION JOINTS IN MONOLITHIC CONCRETE POURS SO THAT THE QUALITY OF PLACEMENT AND FINISH MEETS THE REQUIREMENTS OF PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL SUBMIT A PLAN SHOWING THE LOCATION OF ALL CONSTRUCTION JOINTS TO THE STRUCTURAL ENGINEER FOR APPROVAL.
2. THERE SHALL BE NO HORIZONTAL CONSTRUCTION JOINTS IN CONCRETE POURS. ALL VERTICAL CONSTRUCTION JOINTS IN SLABS AND BEAMS SHALL BE MADE WITH BULKHEADS. ADDITIONAL REINFORCING AT CONSTRUCTION JOINTS SHALL BE AS SPECIFIED BY THE STRUCTURAL ENGINEER.

STRUCTURAL MASONRY

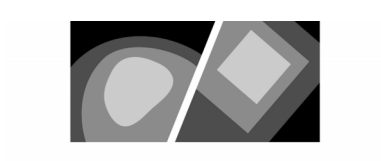
- 1. ALL MASONRY DESIGN AND CONSTRUCTION SHALL CONFORM TO THE REFERENCED EDITION OF THE BUILDING CODE REQUIREMENTS/SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530/530.1).
2. LOAD BEARING MASONRY WALLS, PLASTER, PIERS, RETAINING WALLS, FOUNDATION WALLS AND ANY OTHER MASONRY SO DESIGNATED ON DRAWINGS IS CONSIDERED HERE TO BE STRUCTURAL MASONRY.
3. REQUIRED COMPRESSIVE STRENGTH OF MASONRY UNITS:
SOLID CLAY UNITS - 6,200 PSI
CONCRETE UNITS - 2,000 PSI ON NET AREA

FOUNDATIONS

- 1. FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL INVESTIGATION REPORT BY STEWART, INC, DATED NOVEMBER 10TH, 2023 (PROJECT #F23025 BASED ON THIS REPORT, THE DESIGN NET ALLOWABLE SOIL BEARING PRESSURE IS 3,000 PSF.
2. ALL RECOMMENDATIONS AS OUTLINED IN THE GEOTECHNICAL INVESTIGATION REPORT AND AS NOTED ON THE DRAWINGS MUST BE FOLLOWED IN PREPARATION OF THE SUBGRADE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER OF RECORD. THE CONTRACTOR SHALL OBTAIN THE REPORT FROM THE OWNER AND BE FAMILIAR WITH THE RECOMMENDATIONS CONTAINED THEREIN PRIOR TO THE START OF CONSTRUCTION.



NORTH GRANVILLE COUNTY SENIOR CENTER GRANVILLE COUNTY 303 OXFORD ST. STOVALL, NC 27582



223 S. WEST STREET SUITE 1100 RALEIGH, NC 27603 T 919.380.8750 FIRM LICENSE #C-1051 PROJECT #S22092



02/12/2024

GENERAL NOTE: Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Table with columns: Revisions, Description, Date

Table with columns: Date, Project No., Drawn By, Sheet No., Checked By, Title. Values include 2/12/2024, 22042, VNA, S0.1, GENERAL NOTES

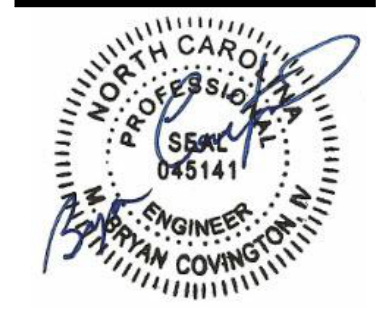
ABBREVIATIONS	
@	AT
Ø	AND
∅	DIAMETER
AB	ANCHOR BOLTS
ACI	AMERICAN CONCRETE INSTITUTE
ADDL	ADDITIONAL
ADH	ADHESIVE
AFF	ABOVE FINISHED FLOOR
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AIISI	AMERICAN IRON AND STEEL INSTITUTE
ALT	ALTERNATE
ARCH	ARCHITECT'S / ARCHITECTURAL
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWS	AMERICAN WELDING SOCIETY
B/ or BOT	BOTTOM
BCX	BOTTOM CHORD EXTENSION
BFB	BOTTOM FLANGE BRACE
BFF	BELOW FINISHED FLOOR
BLDG	BUILDING
BM	BEAM
BOS	BOTTOM OF STEEL
BRG	BEARING
BTWN	BETWEEN
CANT	CANTILEVER
CJ	CONTROL JOINT
CL	CENTERLINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST JT	CONSTRUCTION JOINT
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
CTRD	CENTERED
d	NAILS (PENNY)
DBA	DEFORMED BAR ANCHOR
DEFL	DEFLECTION
DEPR	DEPRESSION / DEPRESSED
DET	DETAIL
DIAG	DIAGONAL
DIM	DIMENSION
DIST	DISTANCE
DWG(S)	DRAWING(S)
DWL(S)	DOWEL(S)
EA	EACH
EE	EACH END
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
ELEV	ELEVATOR
EMBED	EMBEDDED / EMBEDMENT
ENGR	ENGINEER
EOD	EDGE OF DECK
EOS	EDGE OF SLAB
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FDN	FOUNDATION
FFE	FINISHED FLOOR ELEVATION
FOM	FACE OF MASONRY
FOR	FACE OF WALL
FS	FAR SIDE
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GT	GIRDER TRUSS
HD	HEADED
HI	HIGH
HORIZ	HORIZONTAL
HSS	HOLLOW STRUCTURAL SECTION
INT	INTERIOR
JT	JOINT
K	KIP(S)
KB	KNEE BRACE
KSI	KIPS PER SQUARE INCH
LB	LONG BAR
LBS	POUNDS
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LOW	LOW
LOC	LOCATION
LSH	LONG SIDE HORIZONTAL
LSV	LONG SIDE VERTICAL
LWC	LIGHT WEIGHT CONCRETE
MAX	MAXIMUM
MC	MOMENT CONNECTION
MCJ	MASONRY CONTROL JOINT
MECH	MECHANICAL
MFR	MANUFACTURER
MID	MIDDLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MOW	MIDDLE OF WALL
MP	MASONRY PILASTER
No or #	NUMBER
NS	NEAR SIDE
NTS	NOT TO SCALE
NWC	NORMAL WEIGHT CONCRETE
OC	ON CENTER
OPNG	OPENING
OPP	OPPOSITE HAND
PAF	POWDER ACTUATED FASTENER
PED	PEDESTAL
PL	PLATE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
P-T	POST-TENSIONED
REF	REFERENCE
REINF	REINFORCING
REQD	REQUIRED
SB	SHORT BAR
SCHD	SCHEDULE
SIM	SIMILAR
SOG	SLAB ON GRADE
SPEC(S)	SPECIFICATION(S)
SQ	SQUARE
STD	STANDARD
STIFF	STIFFENER
STIRR	STIRRUP(S)
STL	STEEL
STR	STRUCTURAL
T/	TOP
TCX	TOP CHORD EXTENSION
TOC	TOP CHORD CONCRETE
TOF	TOP OF FOOTING
TOS	TOP OF STEEL
TOW	TOP OF WALL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VIF	VERIFY IN FIELD
W/	WITH
WWF	WELDED WIRE FABRIC
WP	WORK POINT

SYMBOL LEGEND	
SYMBOL	MEANING
	SPOT ELEVATION. ELEVATION RELATIVE TO REFERENCE ELEVATION.
<No>	TOP OF FOOTING, GRADE BEAM, PILE CAP, OR DRILLED PIER. ELEVATION RELATIVE TO REFERENCE ELEVATION.
<No> <No>	STEP IN TOP OF FOOTING ELEVATION, SEE "TYPICAL STEP IN WALL FOOTING" DETAIL. ELEVATION RELATIVE TO REFERENCE ELEVATION.
No	DEPRESSED OR RAISED SLAB ELEVATION, SEE "TYPICAL STEP IN SLAB ON GRADE" DETAIL. ELEVATION RELATIVE TO REFERENCE ELEVATION.
[No]	TOP OF WALL OR PEDESTAL. ELEVATION RELATIVE TO REFERENCE ELEVATION.
(No) [+No]	TOP OF STEEL/JOIST BEARING ELEVATION TOP OF STEEL ABOVE STEEL/JOIST BEARING ELEVATION.
	SLOPED STEPPED SLAB.
F#	SPREAD FOOTING TYPE, SEE SCHEDULE.
P#	CONCRETE PEDESTAL TYPE, SEE SCHEDULE.
PC#	PILE CAP TYPE, SEE SCHEDULE.
GB# WxD	CONCRETE GRADE BEAM TYPE, SEE SCHEDULE. "W" INDICATES BEAM WIDTH AND "D" INDICATES BEAM DEPTH (IN INCHES).
CB# WxD	CONCRETE BEAM TYPE, SEE SCHEDULE. "W" INDICATES BEAM WIDTH AND "D" INDICATES BEAM DEPTH (IN INCHES).
CJ# WxD	CONCRETE JOIST TYPE, SEE SCHEDULE. "W" INDICATES NOMINAL JOIST WIDTH AND "D" INDICATES JOIST DEPTH (IN INCHES).
PCB WxD	PRECAST CONCRETE BEAM. "W" INDICATES ASSUMED BEAM WIDTH AND "D" INDICATES ASSUMED BEAM DEPTH (IN INCHES).
PT# WxD	POST-TENSIONED CONCRETE BEAM TYPE, SEE SCHEDULE. "W" INDICATES BEAM WIDTH AND "D" INDICATES BEAM DEPTH (IN INCHES).
SR#	STUD RAIL REINFORCING TYPE, SEE "ELEVATED SLABS STUD RAILS" DETAIL.
CSW#	CONCRETE SHEAR WALL TYPE, SEE SCHEDULE.
MP#	MASONRY PILASTER TYPE, SEE "TYPICAL MASONRY PILASTERS" DETAIL.
ML#	MASONRY LINTEL TYPE, SEE "TYPICAL LOAD BEARING LINTELS" DETAIL.
BP#	STEEL BEARING PLATE TYPE, SEE "TYPICAL STEEL BEAM BEARING" DETAIL.
MSW#	MASONRY SHEAR WALL TYPE, SEE SCHEDULE.
D1	SPAN DIRECTION OF METAL ROOF DECK, SEE "TYPICAL 1 1/2" METAL ROOF DECK" DETAIL. CONSTRUCTION SHALL BE 1 1/2"-22GA METAL ROOF DECK.
D2	SPAN DIRECTION OF METAL ROOF DECK, SEE "TYPICAL 3" METAL ROOF DECK" DETAIL. CONSTRUCTION SHALL BE 3"-18GA METAL ROOF DECK.
S1	SPAN DIRECTION OF COMPOSITE SLAB, SEE "TYPICAL COMPOSITE SLAB" DETAIL. CONSTRUCTION SHALL BE 3 1/4" LIGHT WEIGHT CONCRETE ON 2"-20GA COMPOSITE METAL DECK (5 1/4" TOTAL THICKNESS). TOP OF STEEL ELEVATION 5 1/4" BELOW FINISHED FLOOR ELEVATION, UNO.
S2	SPAN DIRECTION OF COMPOSITE SLAB, SEE "TYPICAL COMPOSITE SLAB" DETAIL. CONSTRUCTION SHALL BE 4 1/2" NORMAL WEIGHT CONCRETE ON 2"-20GA COMPOSITE METAL DECK (6 1/2" TOTAL THICKNESS). TOP OF STEEL ELEVATION 6 1/2" BELOW FINISHED FLOOR ELEVATION, UNO.
W10	COMPOSITE W10x15 STEEL BEAM WITH HEADED STUDS @24"OC.
W12	COMPOSITE W12x16 STEEL BEAM WITH HEADED STUDS @24"OC.
V#, M#, L#, A#, T#	STEEL BEAM DESIGN END REACTIONS (WHERE APPLICABLE). "V" INDICATES VERTICAL SHEAR, "M" INDICATES BENDING MOMENT, "H" INDICATES LATERAL SHEAR, "A" INDICATES AXIAL TENSION/COMPRESSION, AND "T" INDICATES TORSION. ALL LOADS ARE FACTORED FOR STRENGTH DESIGN IN UNITS OF KIP AND KIP-FT. ALL LOADS SHALL BE CONSIDERED REVERSIBLE, UNO.
	STEEL BEAM MOMENT CONNECTION.
VF#	VERTICAL FRAME TYPE, SEE ELEVATIONS.
SSW#	METAL STUD SHEAR WALL TYPE, SEE SCHEDULE.
C#	WOOD COLUMN TYPE, SEE SCHEDULE. ALL COLUMNS ARE TO BE EXTENDED TO THE FOUNDATION WHETHER SHOWN ON PLAN OR NOT.
H#	WOOD HEADER TYPE, SEE SCHEDULE.
WSW#	WOOD SHEAR WALL TYPE, SEE SCHEDULE.



NEW CONSTRUCTION FOR
NORTH GRANVILLE COUNTY
SENIOR CENTER
 GRANVILLE COUNTY
 303 OXFORD ST. STOVALL, NC 27582

STEWART
 223 S. WEST STREET T 919.380.8750
 SUITE 1100 FIRM LICENSE #C-1051
 RALEIGH, NC 27603 PROJECT #S22092



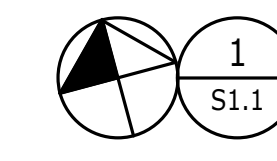
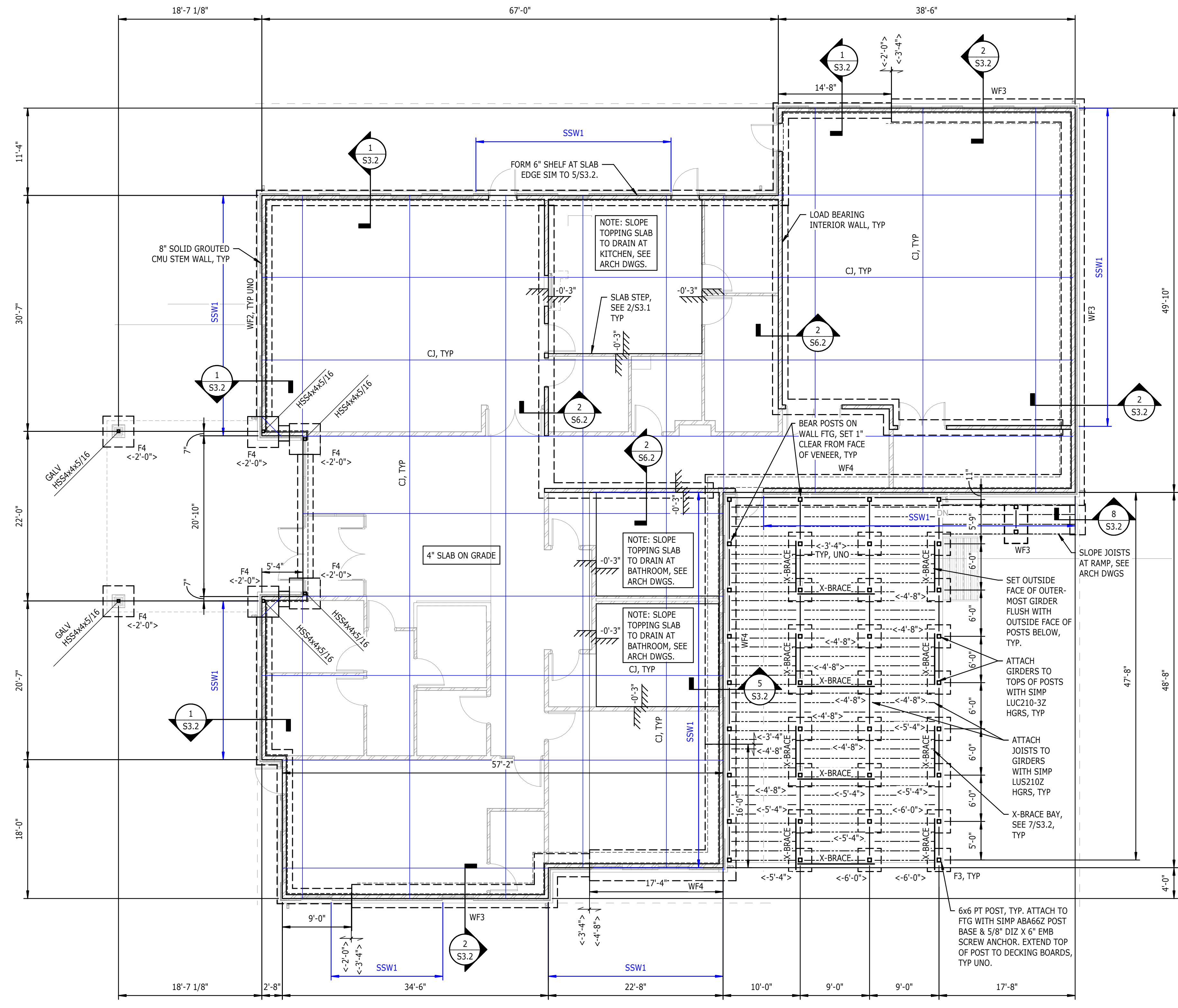
02/12/2024

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Revisions	Description	Date

Date	Project No.
2/12/2024	22042
Drawn By	Sheet No.
VNA	S0.3
Checked By	
MBC	

Sheet Title
 ABBREVIATIONS AND SYMBOL LEGEND



FOUNDATION PLAN

1/8" = 1'-0"

- FOUNDATION PLAN NOTES:**
- SEE S0.1 THRU S0.3 FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOL LEGEND.
 - SEE S3.1 FOR TYPICAL SLAB CONSTRUCTION DETAILS.
 - SEE S3.2 FOR TYPICAL FOUNDATION DETAILS.
 - DIMENSIONS ARE TO OUTSIDE FACE OF FRAMING, UNO. REFER TO ARCHITECTURAL DRAWINGS FOR ALL WALL LOCATIONS AND DIMENSIONS.
 - SLOPE EXTERIOR SLABS, SIDEWALKS, AND PAVING AS INDICATED ON THE ARCHITECTURAL DRAWINGS.
 - REFERENCE FINISHED FLOOR ELEVATION 0'-0". ACTUAL ELEVATION IS 465.00".
 - INDICATES PT (3)2X12 GIRDERS.
 - INDICATES PT 2X12 JOISTS AT 16" OC.

WALL FOOTING SCHEDULE

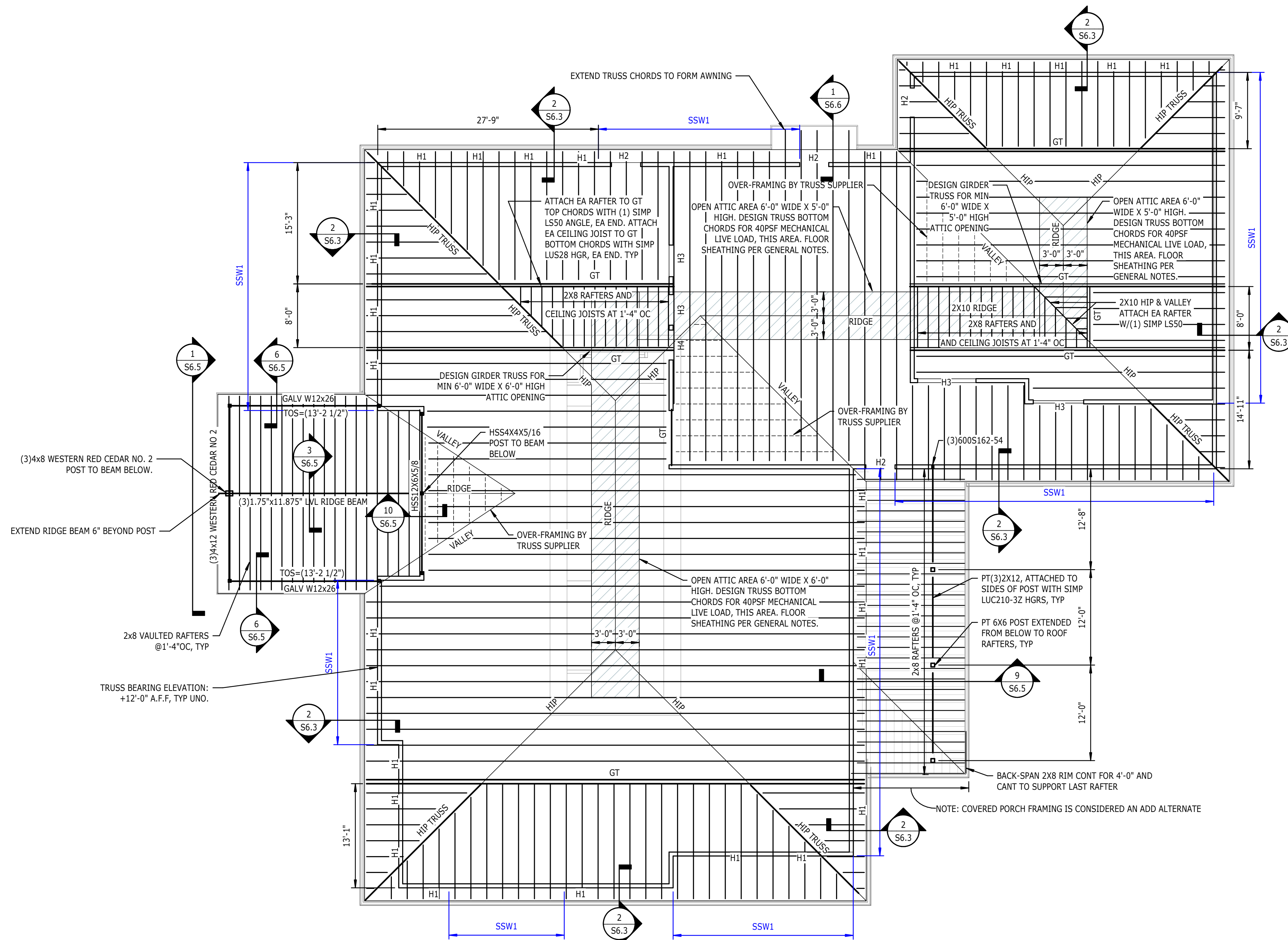
MARK	SIZE		REINFORCEMENT	
	WIDTH	DEPTH	CONTINUOUS	TRANSVERSE
WF2	2'-0"	1'-0"	(2)#5 B	#4@48"OC B
WF3	3'-0"	1'-3"	(4)#5 T&B	#5@16"OC T&B
WF4	4'-0"	1'-3"	(5)#5 T&B	#5@8"OC T&B

SPREAD FOOTING SCHEDULE

MARK	SIZE			REINFORCEMENT (EACH WAY)	
	WIDTH	LENGTH	DEPTH	TOP	BOTTOM
F3	3'-0"	3'-0"	1'-0"	NA	(4)#4
F4	4'-0"	4'-0"	1'-3"	NA	(5)#5

1
S1.2
ROOF FRAMING PLAN
1/8" = 1'-0"

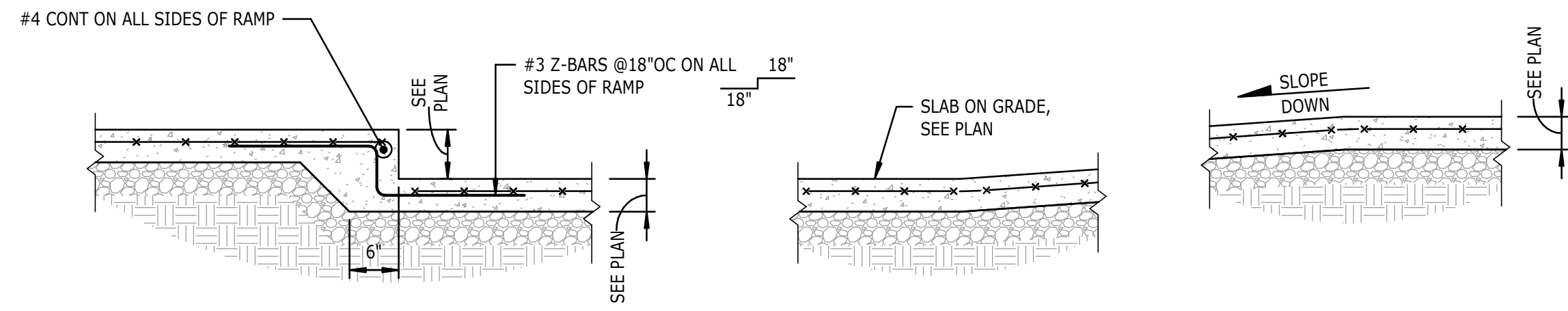
- ROOF FRAMING PLAN NOTES:
 1. SEE S0.1 THRU S0.3 FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOL LEGEND.
 2. SEE S6.3 FOR TYPICAL WOOD ROOF FRAMING DETAILS.
 3. ——— INDICATES ROOF TRUSSES SPACED @24"OC, UNO. ROOF TRUSS BEARING ELEVATION 12'-0" ABOVE REFERENCE FINISHED FLOOR ELEVATION, UNO.
 4. PROVIDE DOUBLE STUDS UNDER ALL WOOD HEADER, BEAM, HIP TRUSS, AND TRUSS GIRDER BEARING LOCATIONS, UNO.
 5. DIMENSIONS ARE TO OUTSIDE FACE OF FRAMING, UNO. REFER TO ARCHITECTURAL DRAWINGS FOR ALL WALL LOCATIONS AND DIMENSIONS.
 6. SEE ARCHITECTURAL DRAWINGS FOR ALL ROOF SLOPES.



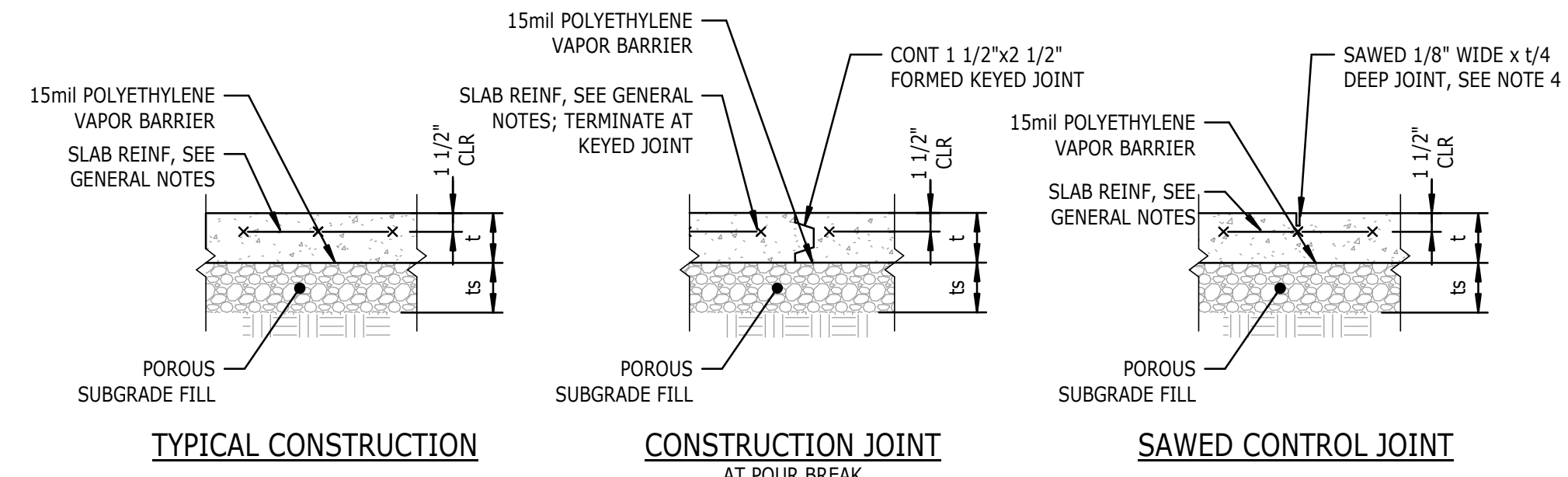
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2/12/2024	22042
Drawn By	Sheet No.
VNA	S1.2
Checked By	
MBC	
Sheet Title	
ROOF FRAMING PLAN	

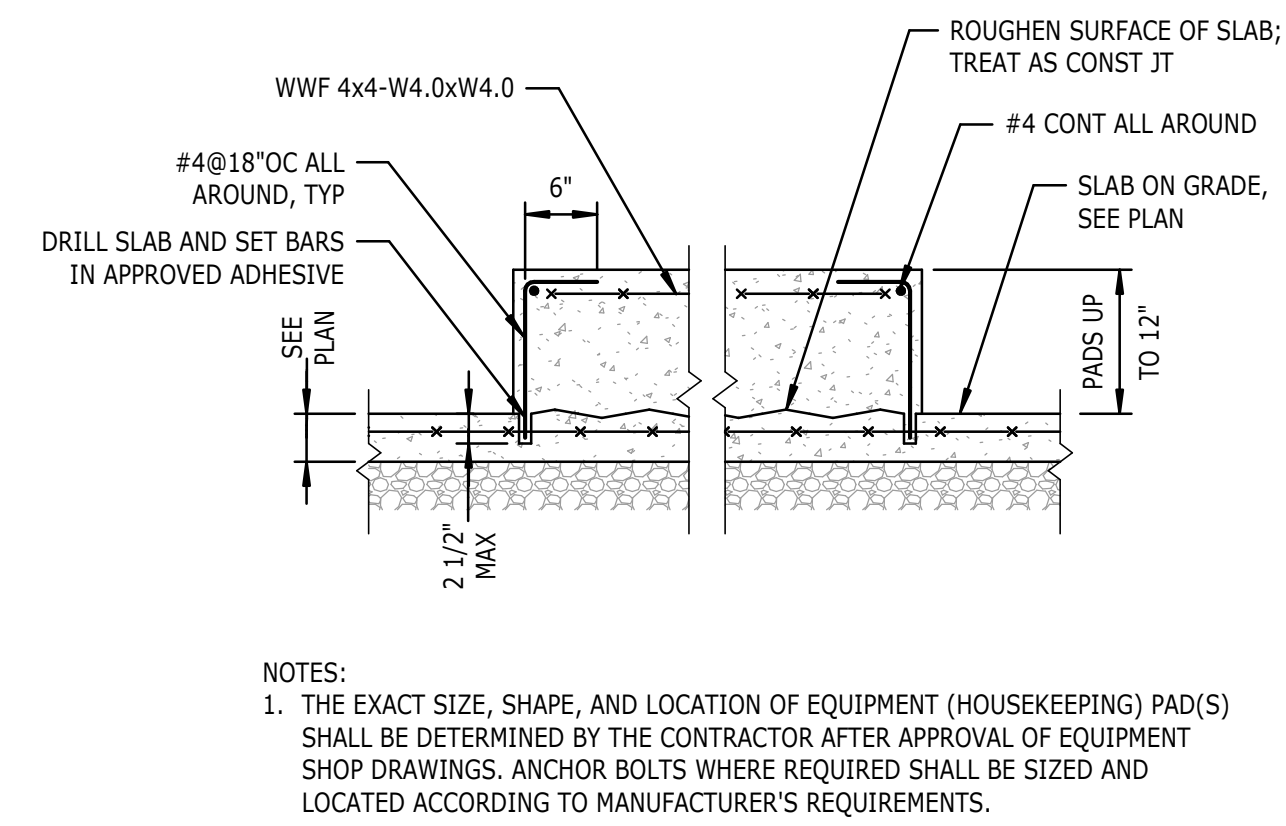


7 TYPICAL RAMP ON GRADE
S3.1 3/4" = 1'-0"

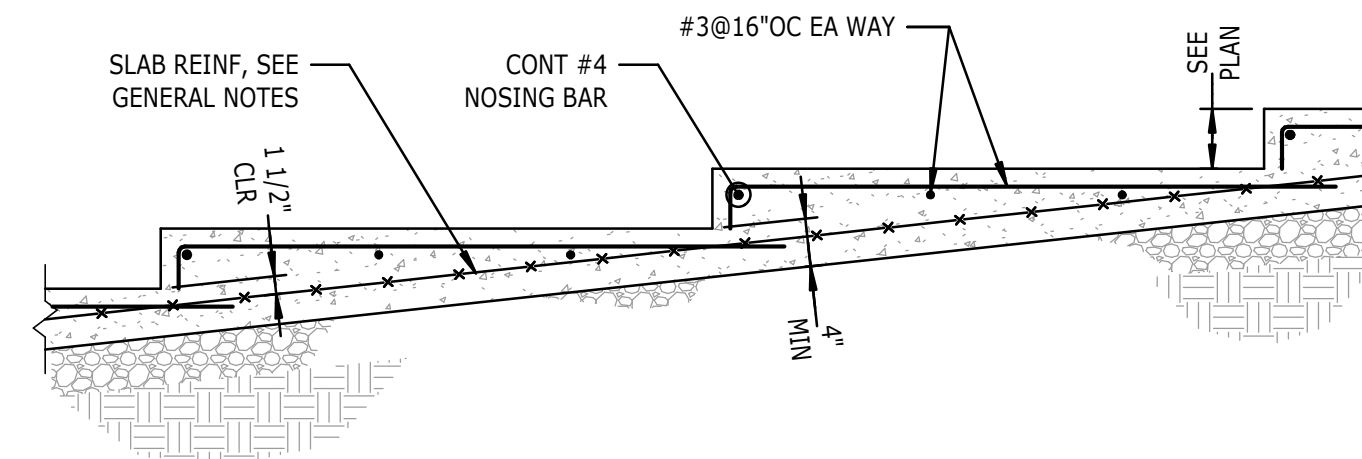


- NOTES:
- 't' DENOTES SLAB THICKNESS, SEE PLANS. 'ts' DENOTES POROUS SUBGRADE FILL THICKNESS, SEE "FOUNDATION" GENERAL NOTES.
 - LOCATION OF SLAB ON GRADE CONSTRUCTION JOINTS SHALL BE DETERMINED BY THE CONTRACTOR. JOINT LOCATIONS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
 - SEE PLANS FOR LOCATION OF CONTROL JOINTS. WHERE NOT SHOWN ON PLAN, CONTACT THE ENGINEER.
 - SAW CUT CONTROL JOINTS WITHIN 8 HOURS OF SLAB POUR.

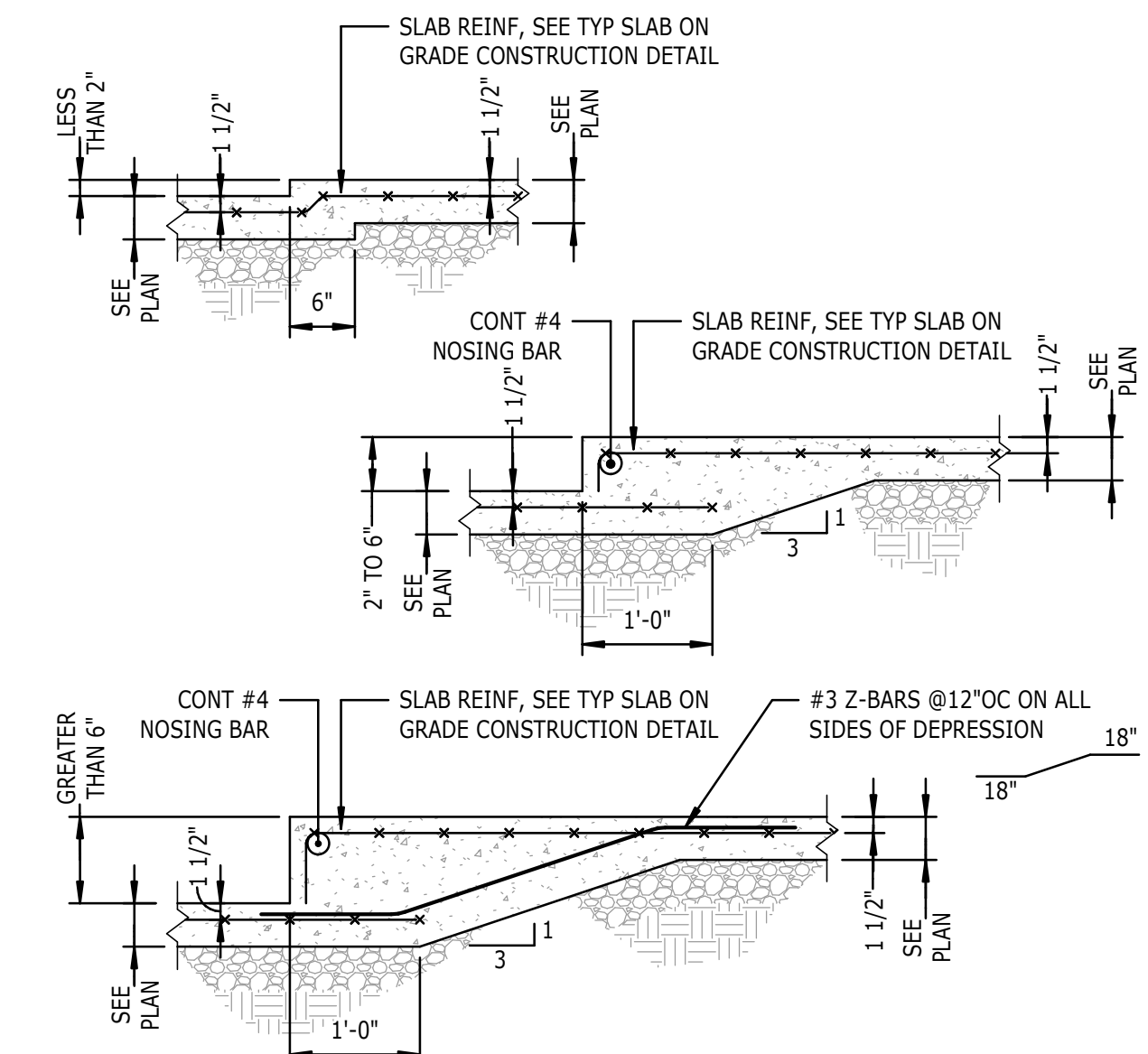
1 TYPICAL SLAB ON GRADE
S3.1 NTS



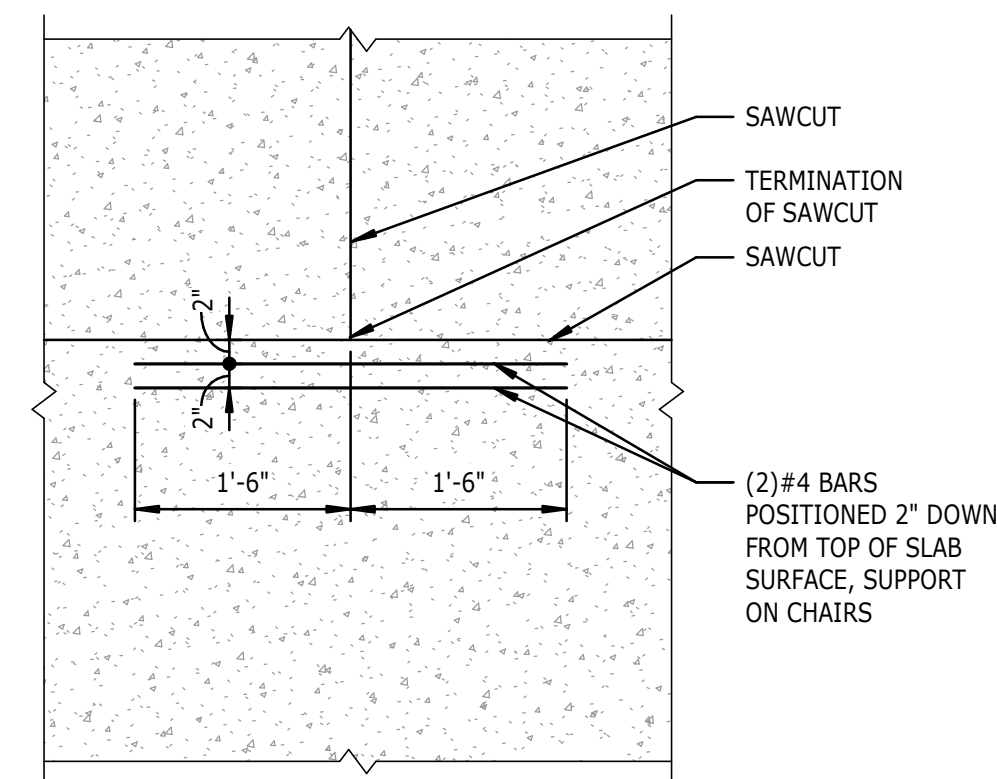
8 TYPICAL EQUIPMENT PAD
S3.1 NTS



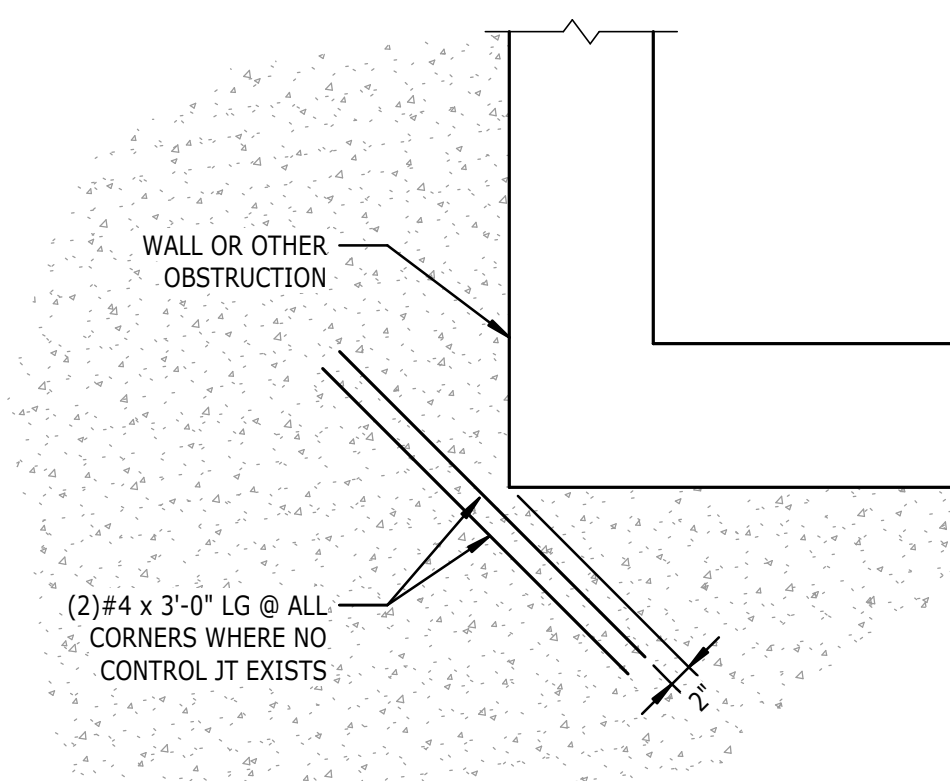
5 TYPICAL RISERS ON GRADE
S3.1 NTS



2 TYPICAL STEP IN SLAB ON GRADE
S3.1 NTS



6 TYPICAL AT CONTROL JOINT TERMINATION
S3.1 NTS



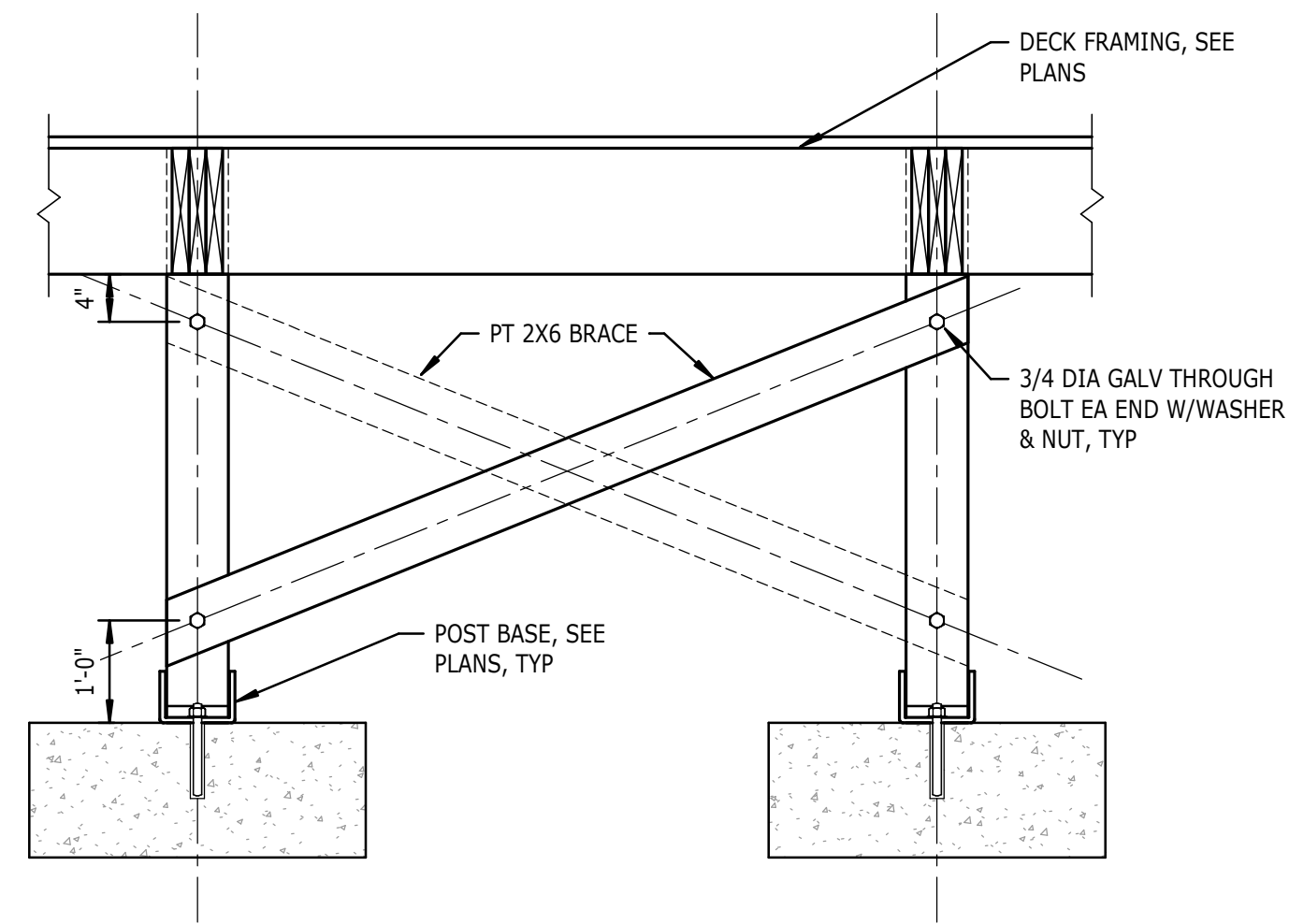
3 TYPICAL SLAB AT CORNERS
S3.1 NTS

02/12/2024

GENERAL NOTE:
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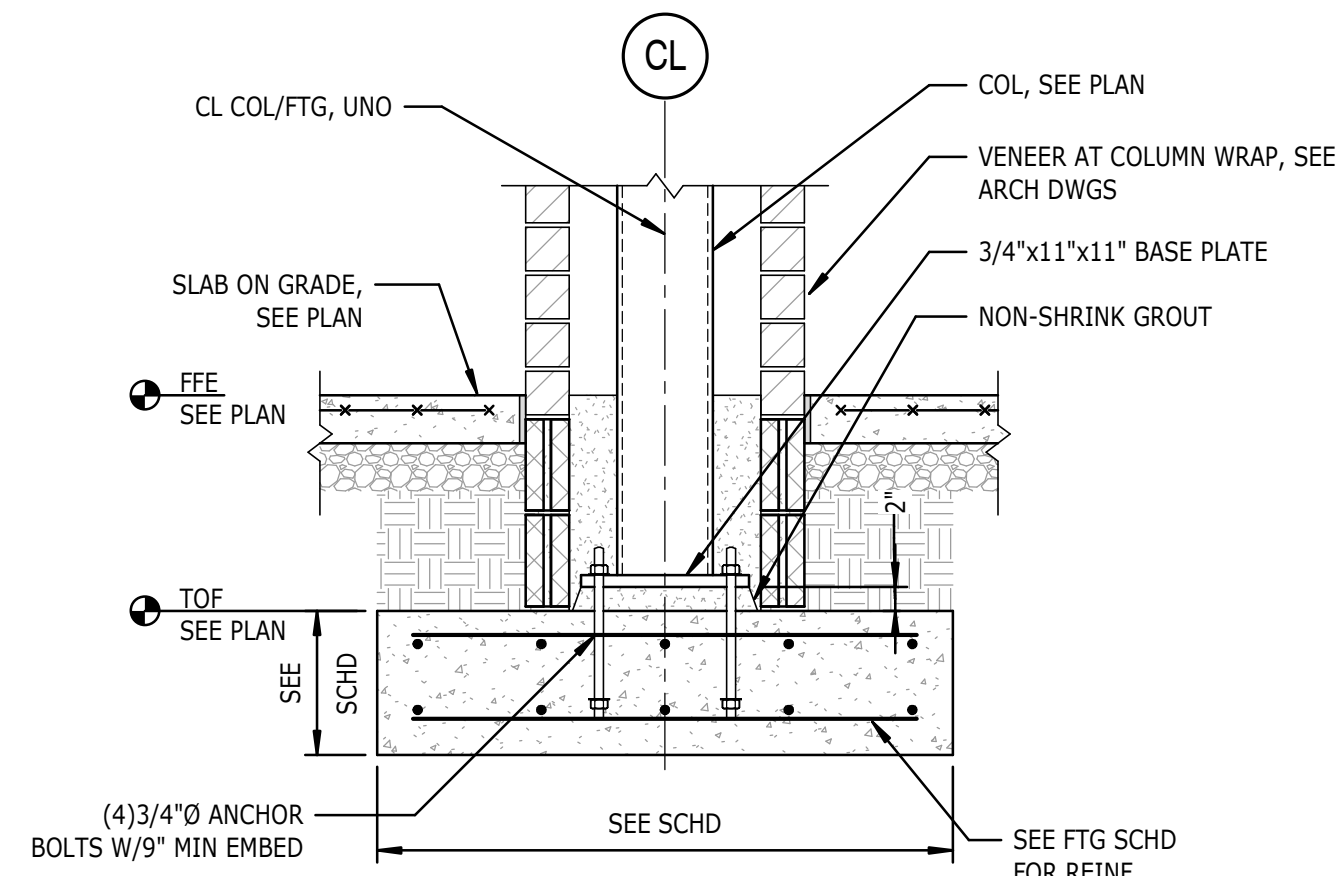
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	SLAB ON GRADE DETAILS



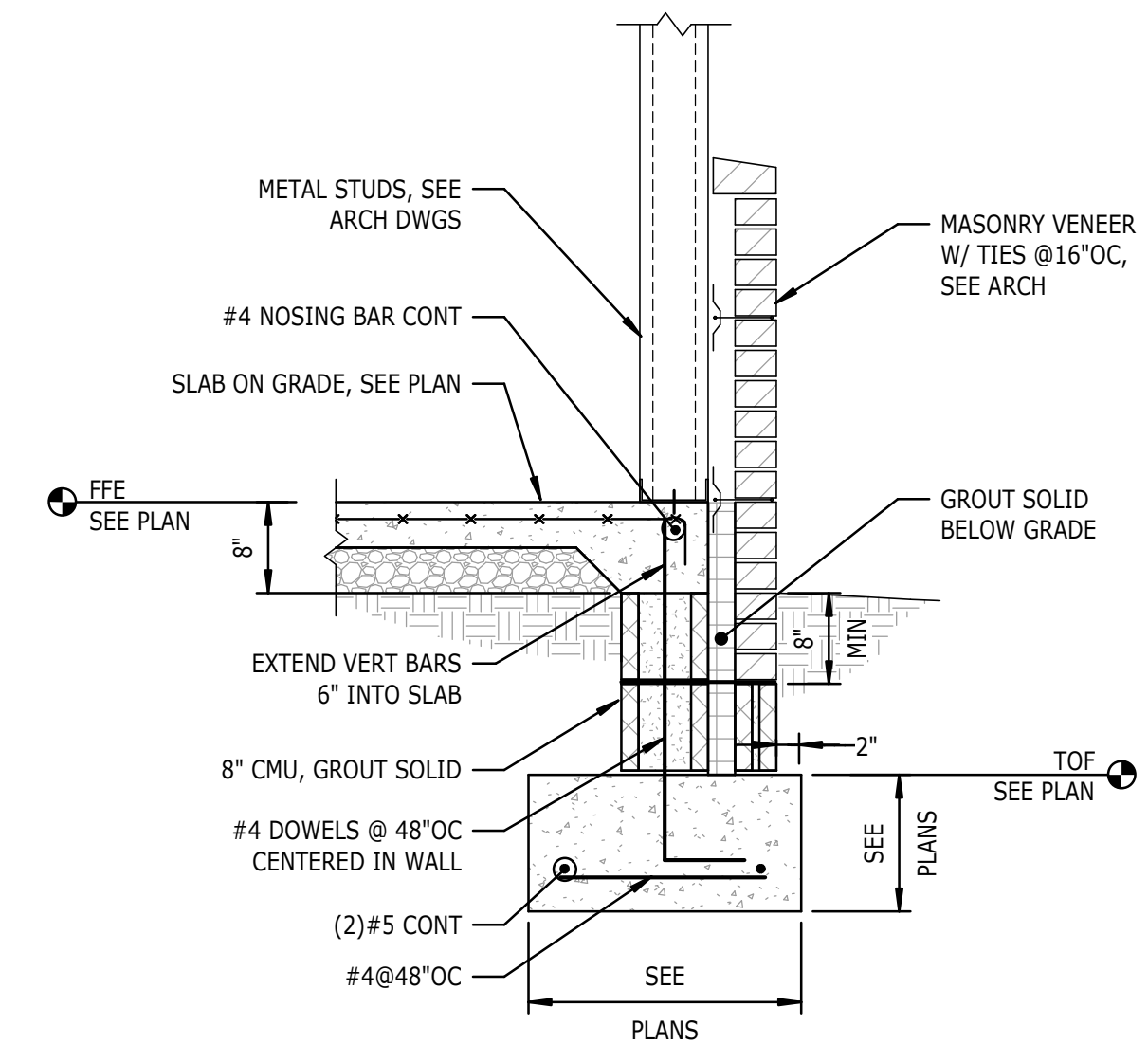
NOTES:
1. WHERE X-BRACING ATTACHES TO POST IN 2-DIRECTIONS, COORDINATE PLACEMENT OF BOLTS AND BRACES TO ALLOW MIN 2" CENTER-TO-CENTER SPACING

7 TYP X-BRACING AT DECK
S3.2 NTS

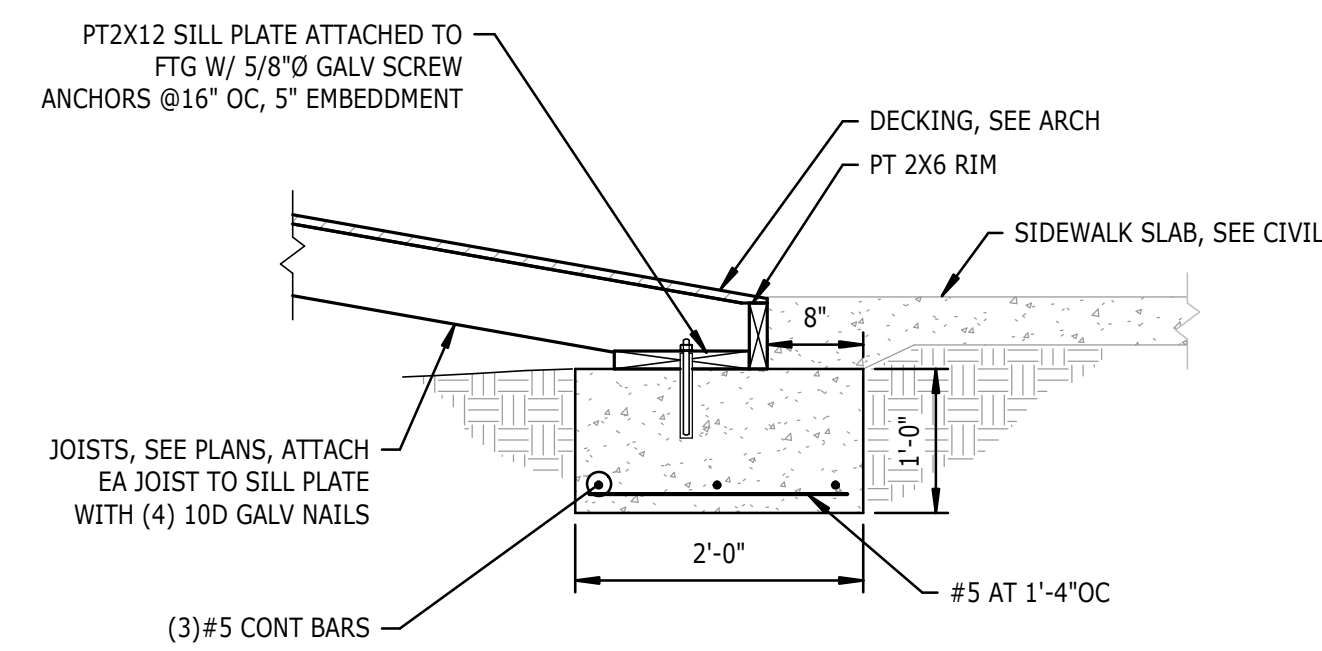


NOTES:
1. WHERE COLUMNS ARE LOCATED OUTSIDE THE BUILDING, COAT COLUMN, BASE PLATE, AND ANCHOR BOLTS BELOW GRADE WITH AN APPROVED ASPHALTIC PAINT.

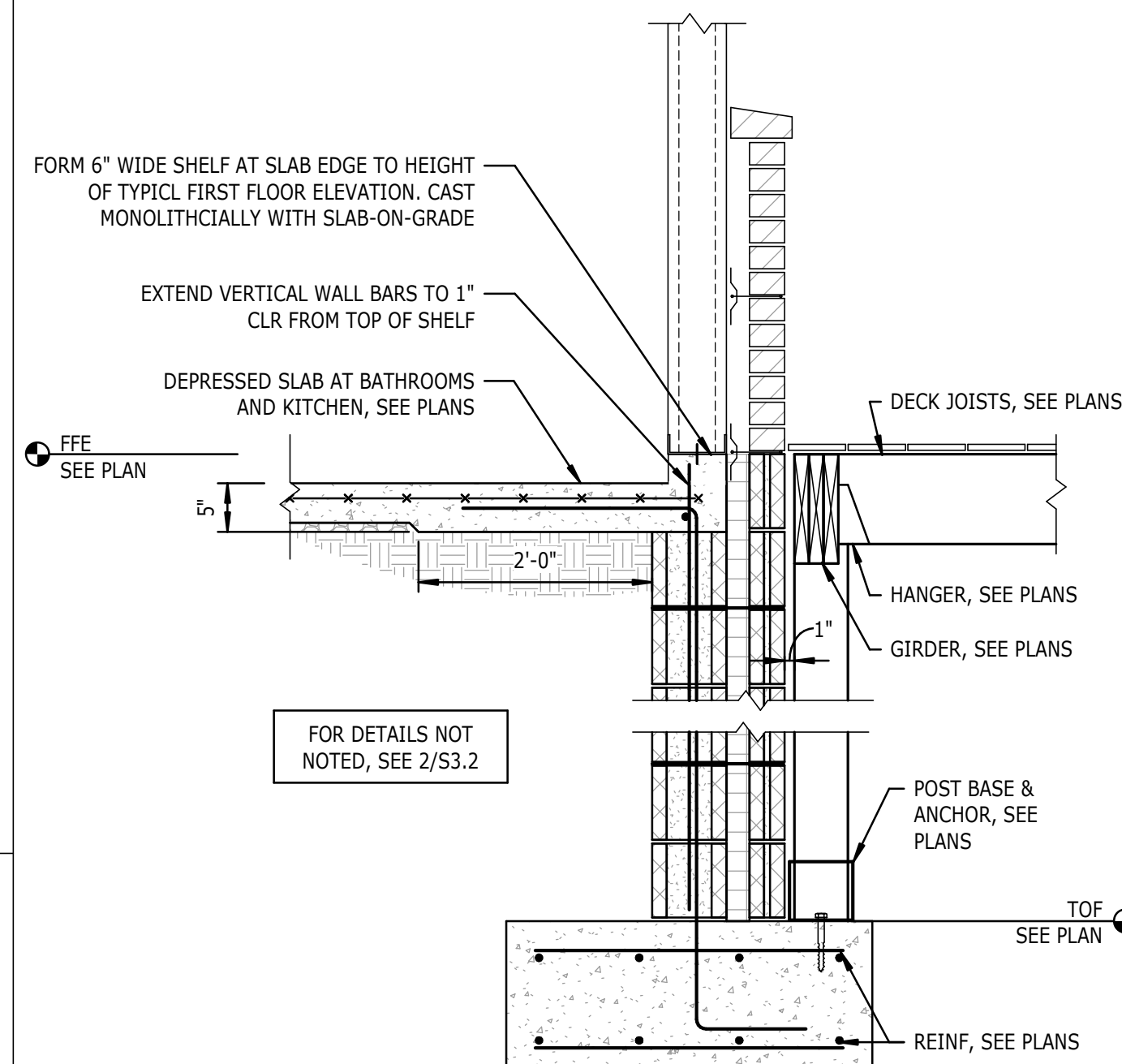
4 TYPICAL FOOTING AT STEEL COLUMN
S3.2 NTS



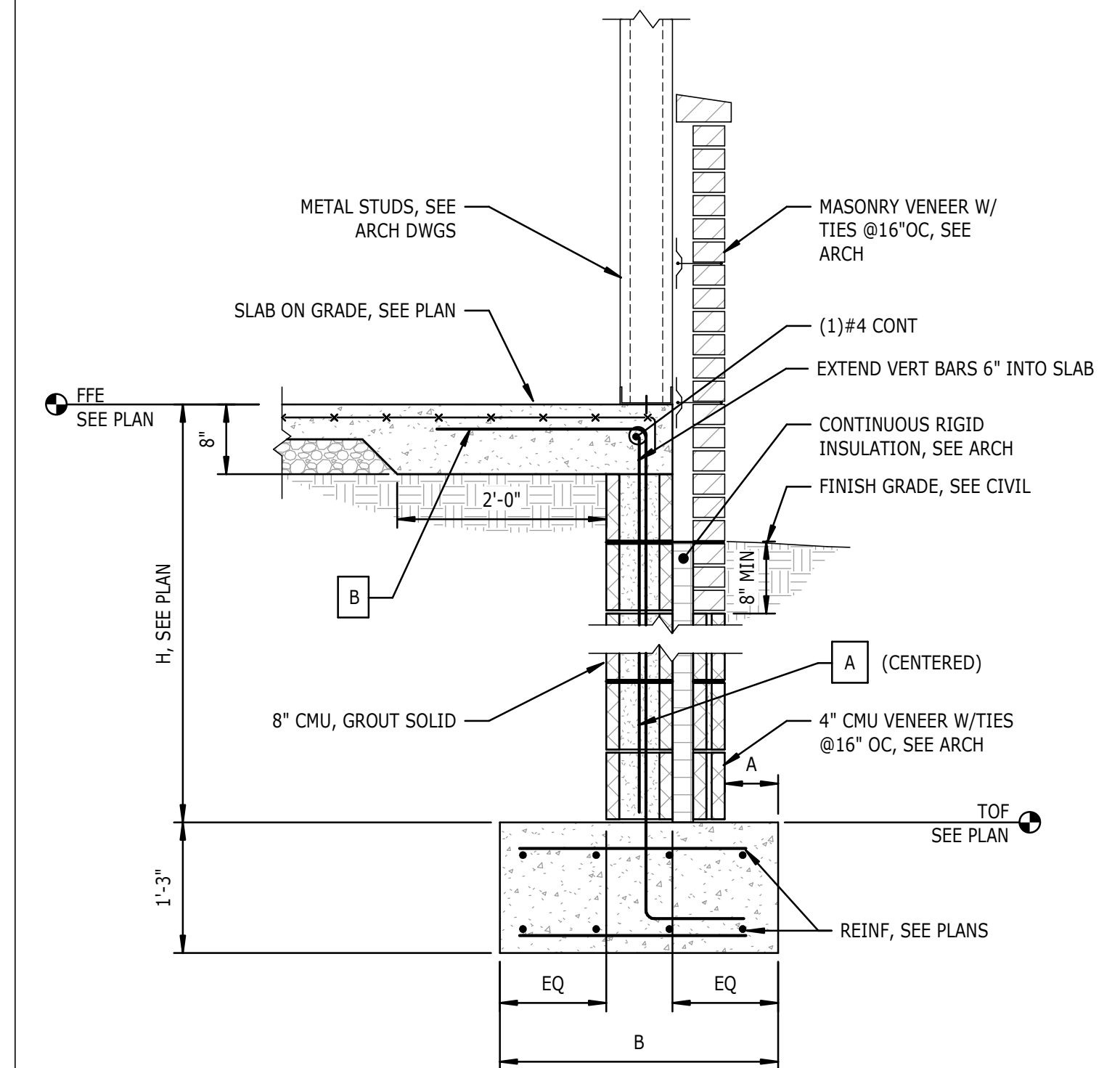
1 TYP EXTERIOR WALL FOOTING (FTG 2'-0" BELOW FFE)
S3.2 NTS



8 SECTION
S3.2 3/4" = 1'-0"



5 SECTION
S3.2 NTS



H	A	B	A	B
3'-4"	8"	3'-0"	#5@16"OC	#15@16"OC
4'-8"	1'-6"	4'-0"	#5@8"OC	#5@8"OC

NOTES:
1. IF "H" IS GREATER THAN 4'-8", WALL MUST BE Laterally BRACED UNTIL SLAB IS POURED.

2 TYPICAL RETAINING WALL FOOTING
S3.2 NTS



02/12/2024

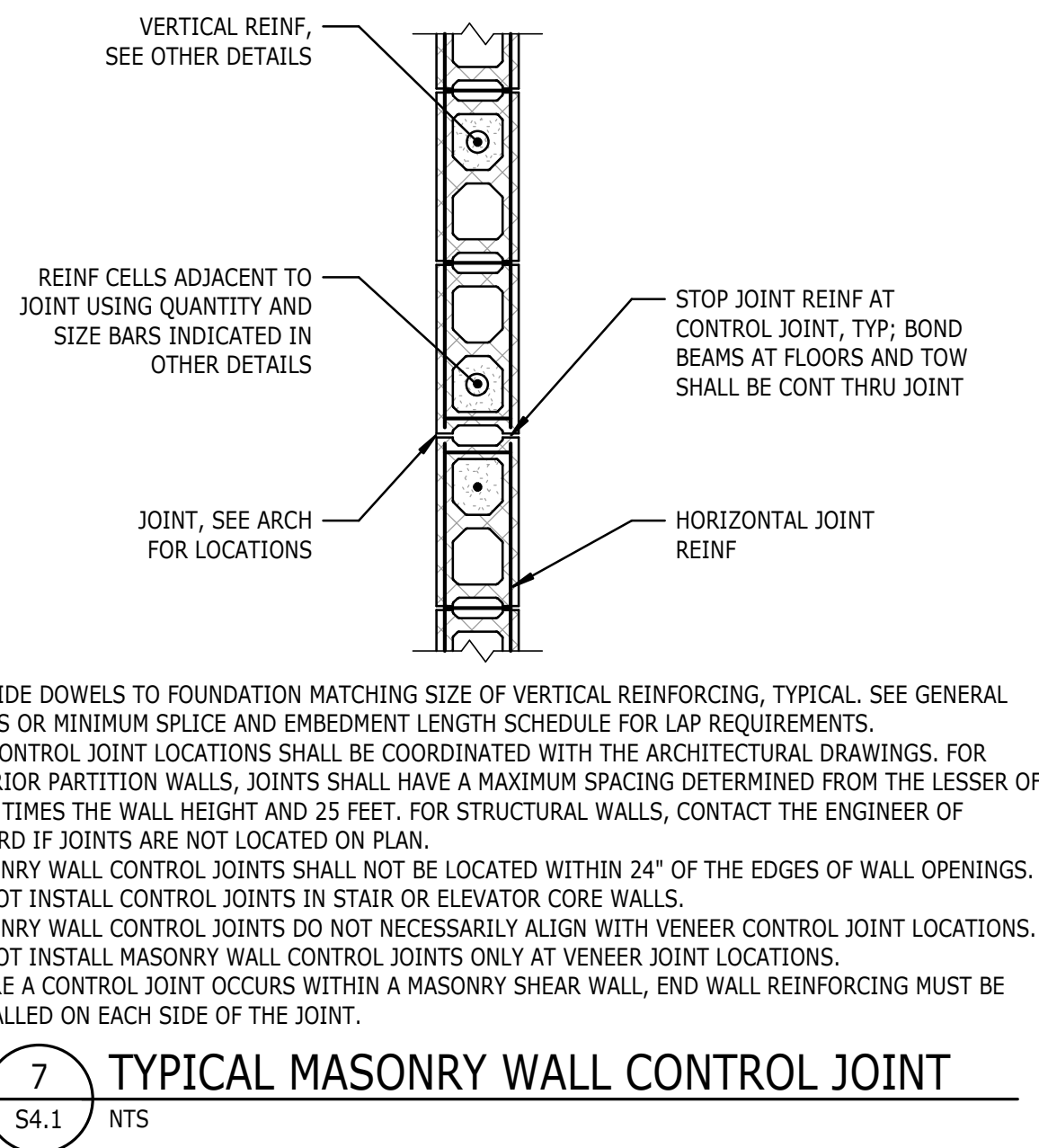
GENERAL NOTE:
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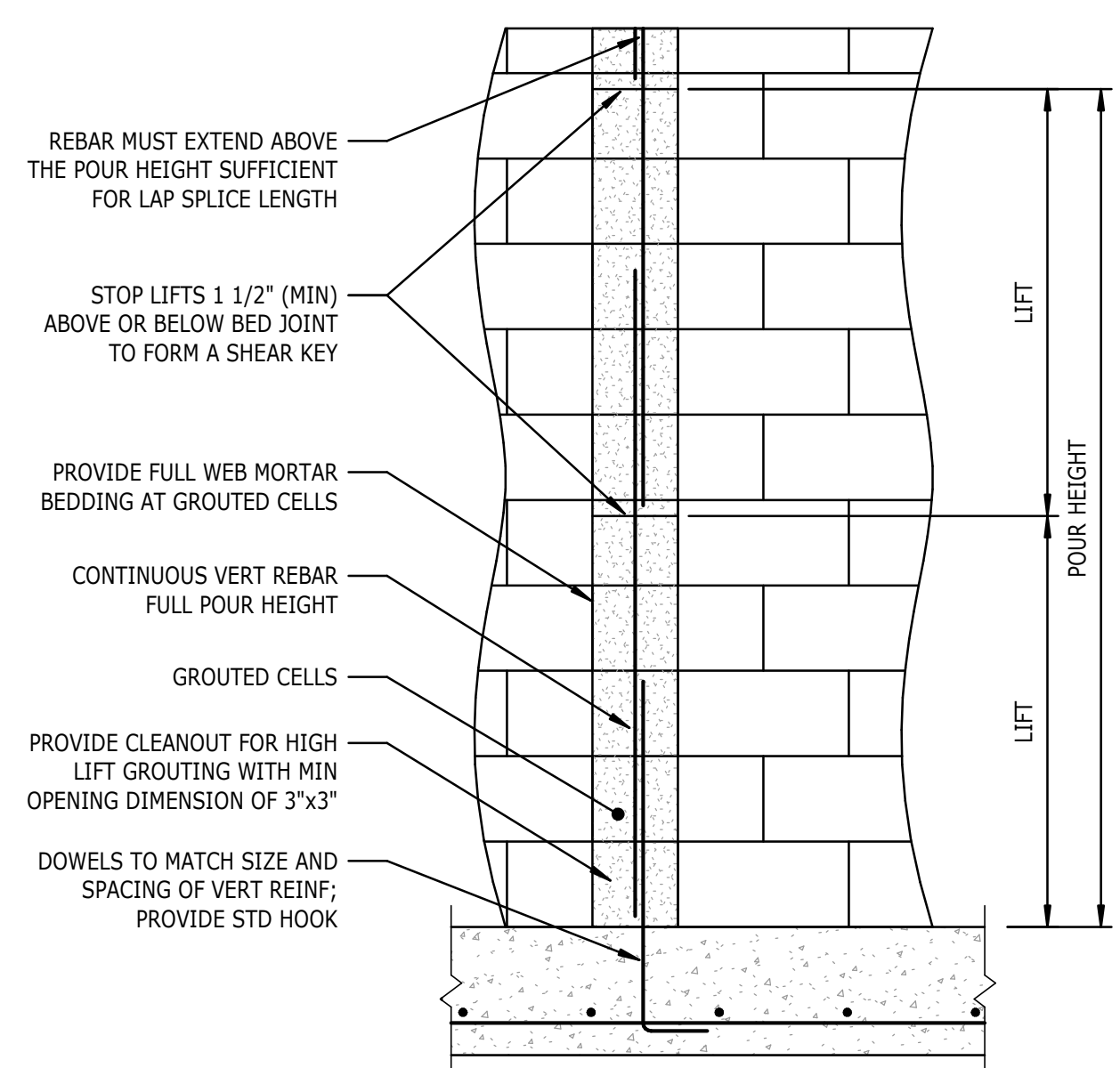
Sheet Title
FOUNDATION DETAILS

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- NOTES:
1. PROVIDE DOWELS TO FOUNDATION MATCHING SIZE OF VERTICAL REINFORCING, TYPICAL. SEE GENERAL NOTES OR MINIMUM SPLICE AND EMBEDMENT LENGTH SCHEDULE FOR LAP REQUIREMENTS.
 2. ALL CONTROL JOINT LOCATIONS SHALL BE COORDINATED WITH THE ARCHITECTURAL DRAWINGS. FOR INTERIOR PARTITION WALLS, JOINTS SHALL HAVE A MAXIMUM SPACING DETERMINED FROM THE LESSER OF 1 1/2 TIMES THE WALL HEIGHT AND 25 FEET. FOR STRUCTURAL WALLS, CONTACT THE ENGINEER OF RECORD IF JOINTS ARE NOT LOCATED ON PLAN.
 3. MASONRY WALL CONTROL JOINTS SHALL NOT BE LOCATED WITHIN 24" OF THE EDGES OF WALL OPENINGS.
 4. DO NOT INSTALL CONTROL JOINTS IN STAIR OR ELEVATOR CORE WALLS.
 5. MASONRY WALL CONTROL JOINTS DO NOT NECESSARILY ALIGN WITH VENEER CONTROL JOINT LOCATIONS. DO NOT INSTALL MASONRY WALL CONTROL JOINTS ONLY AT VENEER JOINT LOCATIONS.
 6. WHERE A CONTROL JOINT OCCURS WITHIN A MASONRY SHEAR WALL, END WALL REINFORCING MUST BE INSTALLED ON EACH SIDE OF THE JOINT.

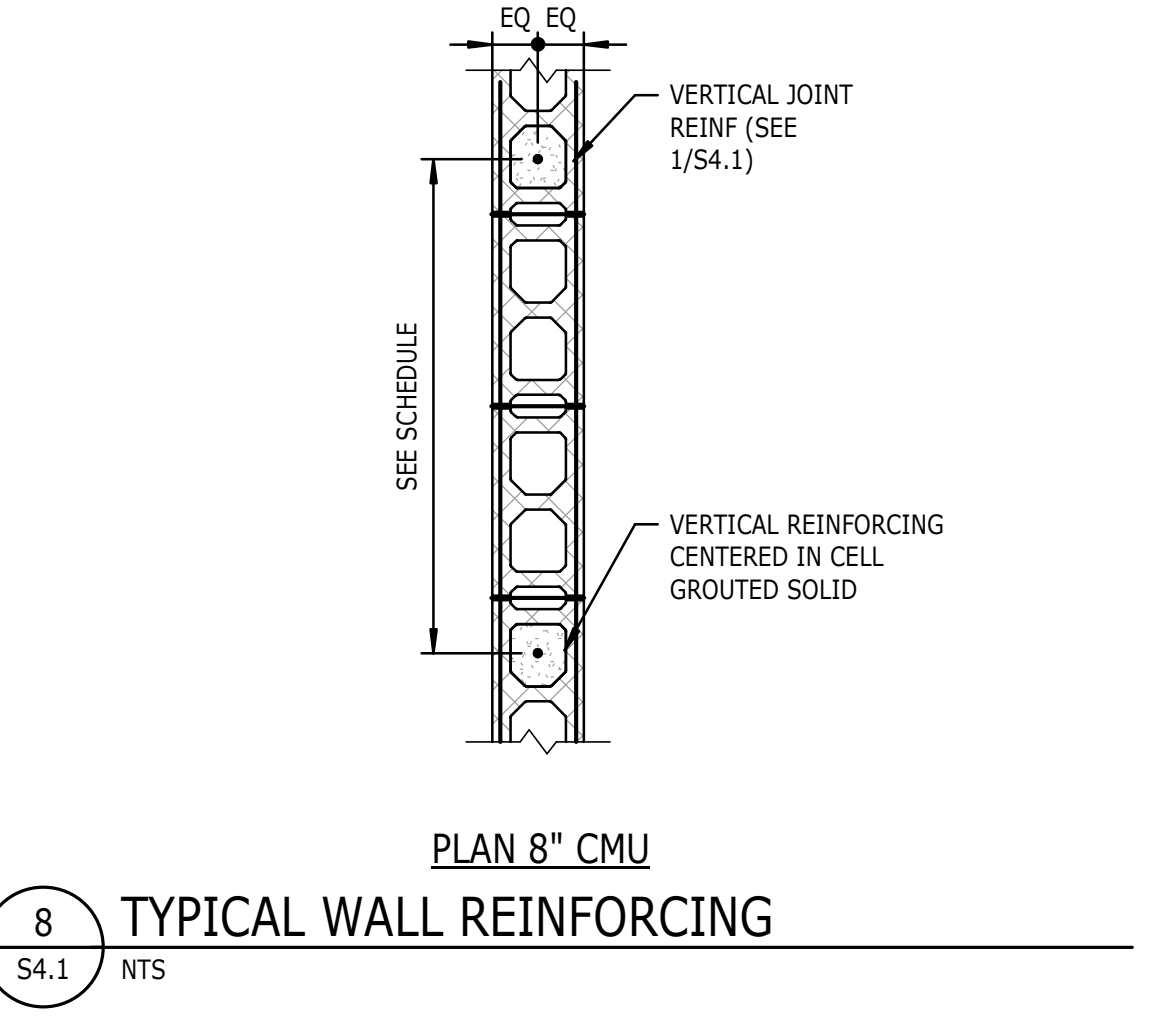
7 TYPICAL MASONRY WALL CONTROL JOINT
S4.1 NTS



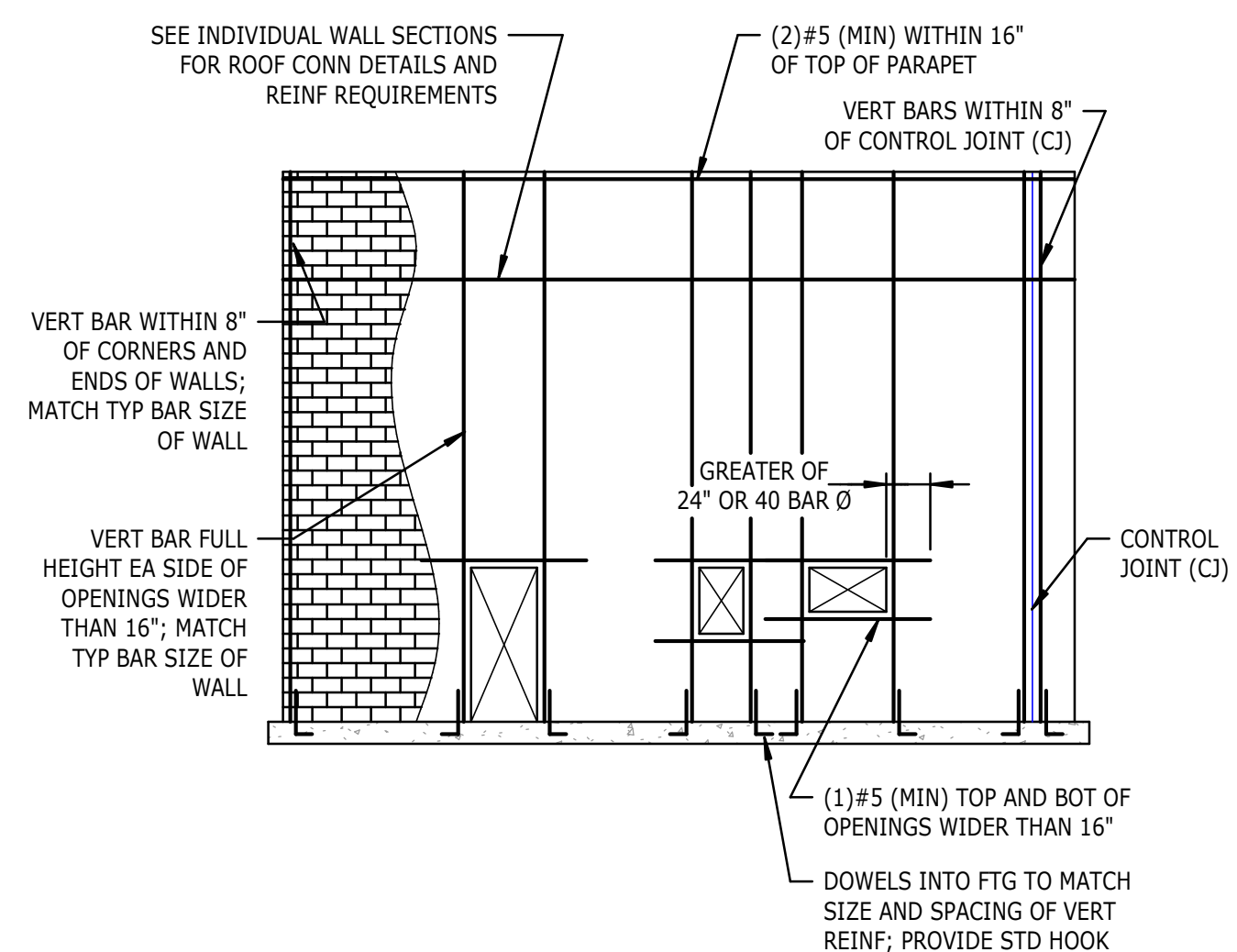
- GENERAL GROUTING REQUIREMENTS:
1. ALL REINFORCED CELLS SHALL BE GROUTED SOLID.
 2. REINFORCING BARS SHALL BE IN PROPER POSITION PRIOR TO PLACEMENT OF GROUT, NOT PUSHED DOWN INTO PREVIOUSLY PLACED GROUT. SAME REQUIREMENT APPLIES FOR EMBEDDED BOLTS AND FASTENERS.
 3. MORTAR BEDDING UNDER THE FIRST COURSE OF BLOCK CELLS TO BE GROUTED SHALL PERMIT GROUT TO COME INTO DIRECT CONTACT WITH FOUNDATION.
 4. PLACE MORTAR ON CROSS WEBS ADJACENT TO ALL GROUTED CELLS.
 5. MORTAR THAT PROJECTS MORE THAN 1/2" INTO CELLS THAT ARE TO BE GROUTED SHALL BE REMOVED.
 6. GROUTED CELLS SHALL BE MECHANICALLY VIBRATED DURING PLACEMENT OF GROUT. TEN MINUTES AFTER PLACING GROUT, EACH GROUTED CELL SHALL BE RECONSOLIDATED WITH A VIBRATOR.
 7. METAL LATH SHALL BE PLACED UNDER ALL BOND BEAMS IN ORDER TO CONTAIN GROUT. FELT OR OTHER BOND BREAKING MATERIAL IS NOT PERMITTED. AS AN ALTERNATIVE TO THIS, "U"-SHAPED LINTEL BLOCKS MAY BE USED FOR BOND BEAMS.
 8. EITHER LOW LIFT GROUTING OR HIGH LIFT GROUTING PROCEDURES MAY BE UTILIZED, AT THE CONTRACTOR'S OPTION.

- LOW LIFT GROUTING PROCEDURE:
1. LAY WALL TO MAXIMUM OF 5'-0".
 2. CLEAN MORTAR AND OTHER DEBRIS FROM CELLS TO BE GROUTED.
 3. PLACE REINFORCING BARS IN PROPER POSITION.
 4. PLACE GROUT UP TO LIFT HEIGHT AND VIBRATE.
- HIGH LIFT GROUTING PROCEDURE:
1. CLEANOUT OPENINGS SHALL BE PROVIDED IN THE FACE SHELLS OF THE BOTTOM COURSE OF ALL CELLS TO BE GROUTED. OPENINGS SHALL BE LARGE ENOUGH TO ALLOW REMOVAL OF DEBRIS.
 2. LAY WALL TO MAXIMUM POUR HEIGHT AND CLEAN DEBRIS FROM OPENINGS. PLACE REINFORCING BARS IN PROPER POSITION.
 3. CLEAN MORTAR AND OTHER DEBRIS FROM CELLS TO BE GROUTED.
 4. MASONRY SHALL CURE A MINIMUM OF 4 HOURS PRIOR TO GROUTING.
 5. PLACE GROUT TO THE FOLLOWING HEIGHTS: MAXIMUM LIFT HEIGHT IS 5'-0"; MAXIMUM POUR HEIGHT IS 12'-0" UNLESS EXPRESSLY COORDINATED WITH THE STRUCTURAL ENGINEER.
 6. AFTER THE LIFT IS POURED, VIBRATE TO ELIMINATE ALL AIR VOIDS. WAIT BETWEEN 3 AND 10 MINUTES, THEN RECONSOLIDATE BY VIBRATING AGAIN. CONTINUE THIS PROCEDURE FOR FULL POUR HEIGHT. RECONSOLIDATE THE PRIOR LIFT BY EXTENDING THE VIBRATOR THROUGH THE CURRENT LIFT INTO THE PREVIOUS LIFT.
 7. GROUT SLUMP MUST BE MAINTAINED BETWEEN 10 AND 11 INCHES FOR HIGH LIFT GROUTING.

4 TYPICAL MASONRY GROUT REQUIREMENTS
S4.1 NTS

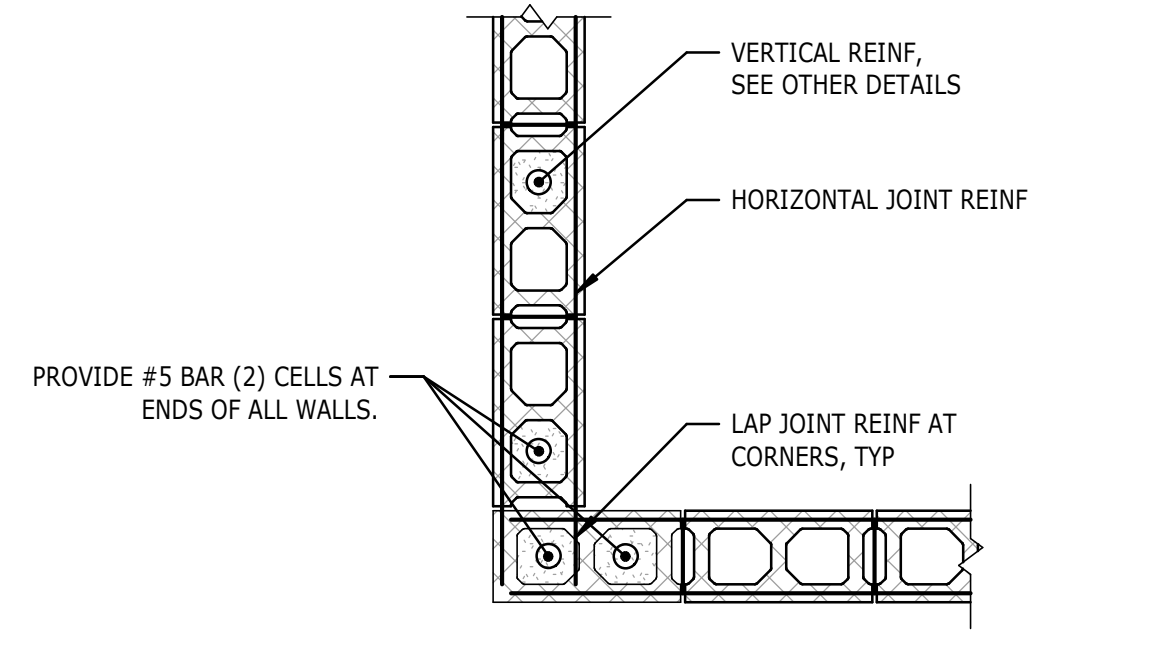


8 TYPICAL WALL REINFORCING
S4.1 NTS



- NOTES:
1. REINFORCING SHOWN IS A MINIMUM REQUIREMENT, INDIVIDUAL WALL SECTION REINFORCING REQUIREMENTS (SUCH AS NUMBER OR SIZE OF BARS) SHALL TAKE PRECEDENCE OVER THE REQUIREMENTS SHOWN HEREIN. SEE INDIVIDUAL WALL SECTIONS AND SCHEDULES FOR VERTICAL REINFORCING REQUIREMENTS.
 2. ALL DISCONTINUOUS REINFORCEMENT SHALL BE LAPPED PER MINIMUM SPLICE AND EMBEDMENT LENGTH SCHEDULE.
 3. VERTICAL STEEL MUST BE SECURED IN PLACE BEFORE THE BLOCKS ARE LAID. ALL VERTICAL REINFORCEMENT SHALL BE CONTINUOUS THROUGH MASONRY LINTELS AND BOND BEAMS, UNO.
 4. AT OPENINGS WHERE STEEL BEAM LINTELS ARE PROVIDED, REINFORCE THE JAMB CELL TO THE BEARING ELEVATION OF THE LINTEL, AND REINFORCE THE NEXT ADJACENT CELL PAST THE END OF THE BEAM FULL HEIGHT AS SHOWN IN THIS DETAIL.
 5. DETAIL DOES NOT APPLY TO INTERIOR NON-LOAD BEARING PARTITION WALLS.
 6. PROVIDE MINIMUM (2) LEGS OF W1.7 HORIZONTAL JOINT REINFORCING @ 16"OC VERTICALLY.

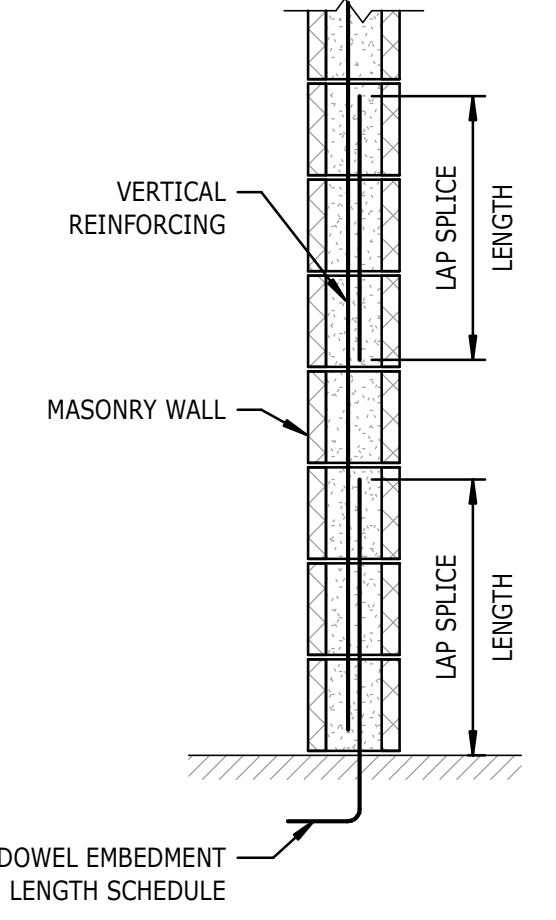
1 MINIMUM WALL REINFORCING
S4.1 NTS



- NOTES:
1. PROVIDE DOWELS TO FOUNDATION MATCHING SIZE OF VERTICAL REINFORCING, TYPICAL. SEE GENERAL NOTES OR MINIMUM SPLICE AND EMBEDMENT LENGTH SCHEDULE FOR LAP REQUIREMENTS.

6 TYPICAL WALL CORNER
S4.1 NTS

MINIMUM SPLICE AND EMBEDMENT LENGTH SCHEDULE	
BAR SIZE	LAP SPLICE
#3	27"
#4	36"
#5	45"
#6	54"
#7	63"
#8	72"

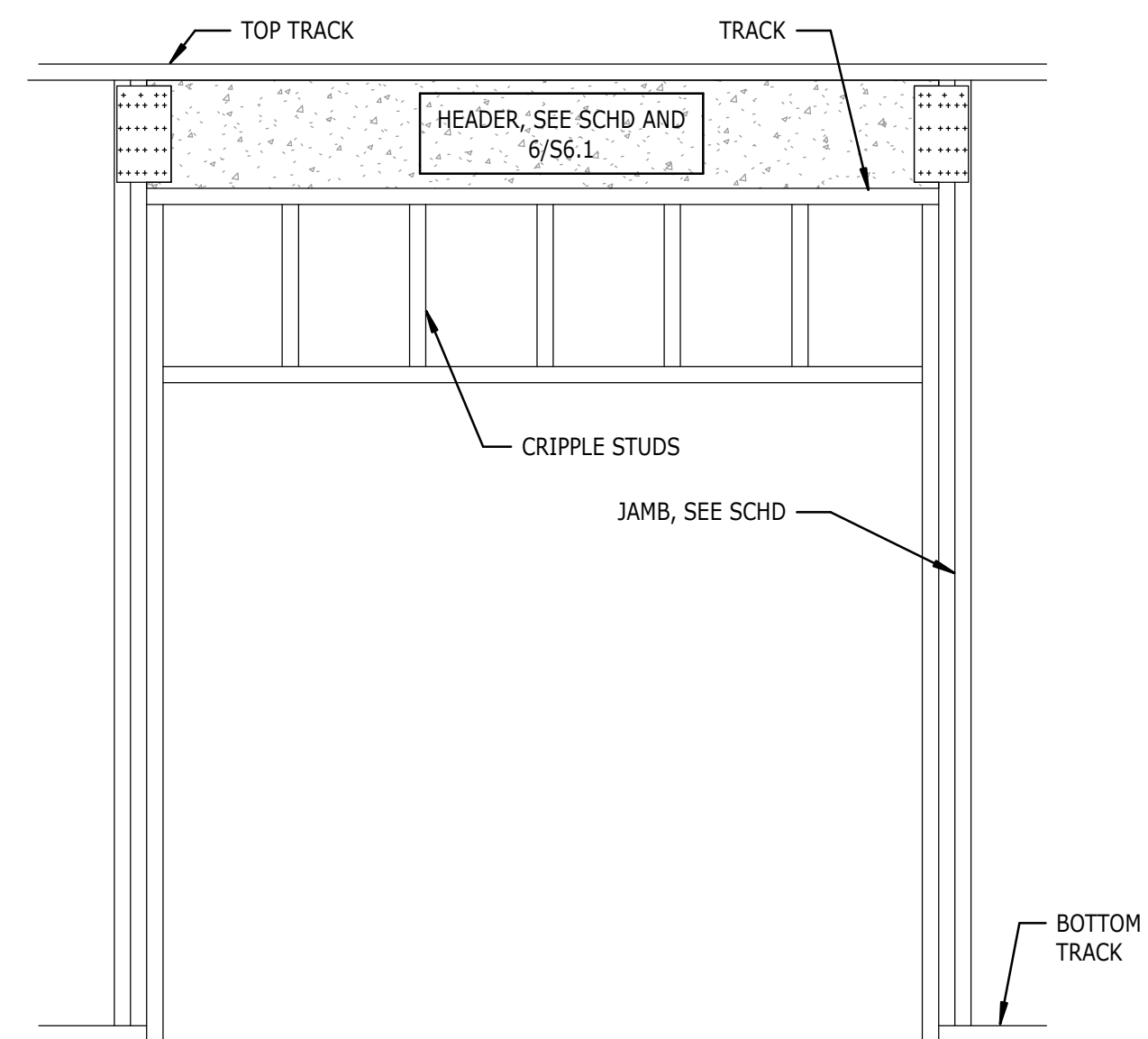


3 MASONRY REINFORCING SPLICE SCHEDULE
S4.1 NTS

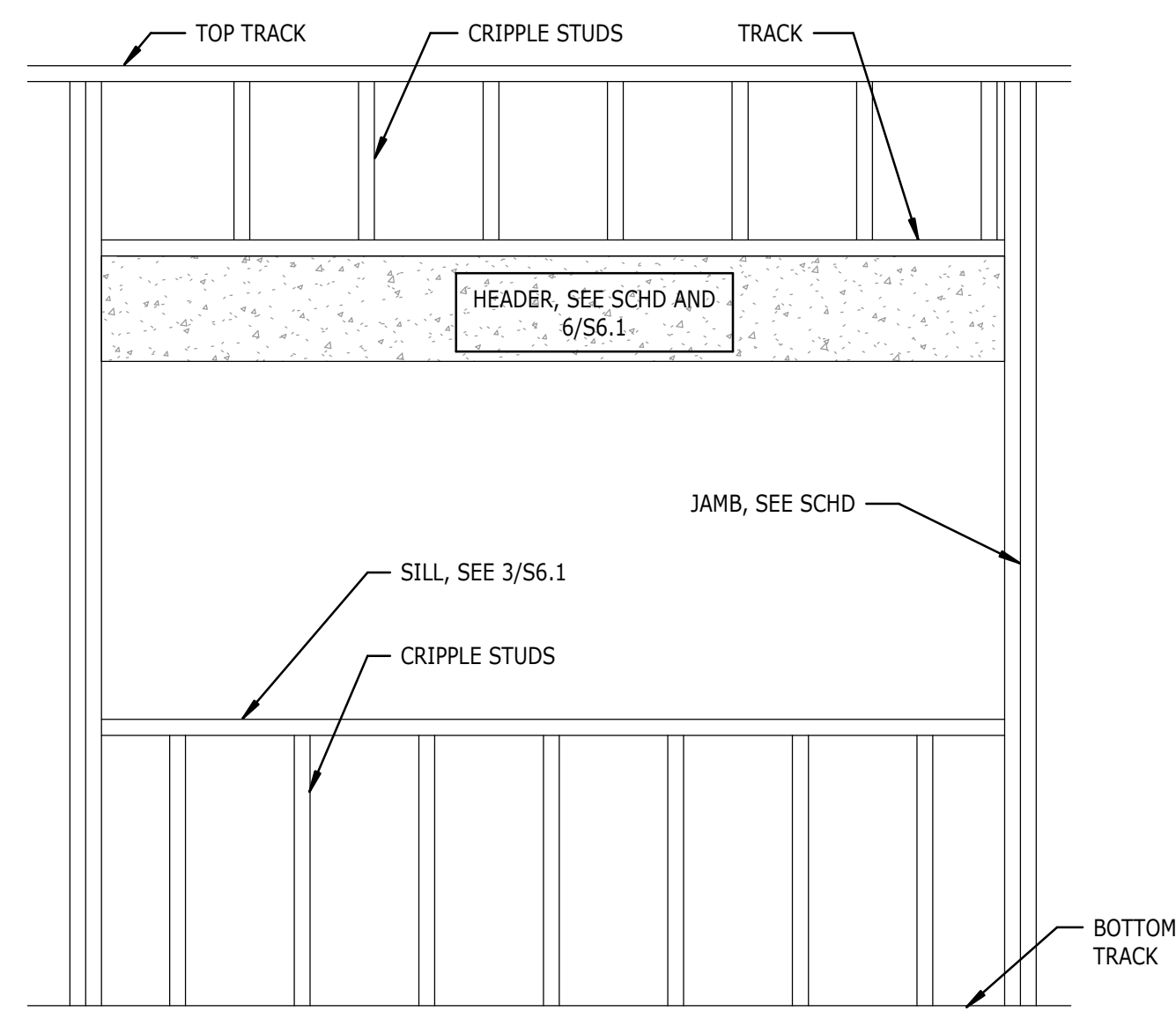
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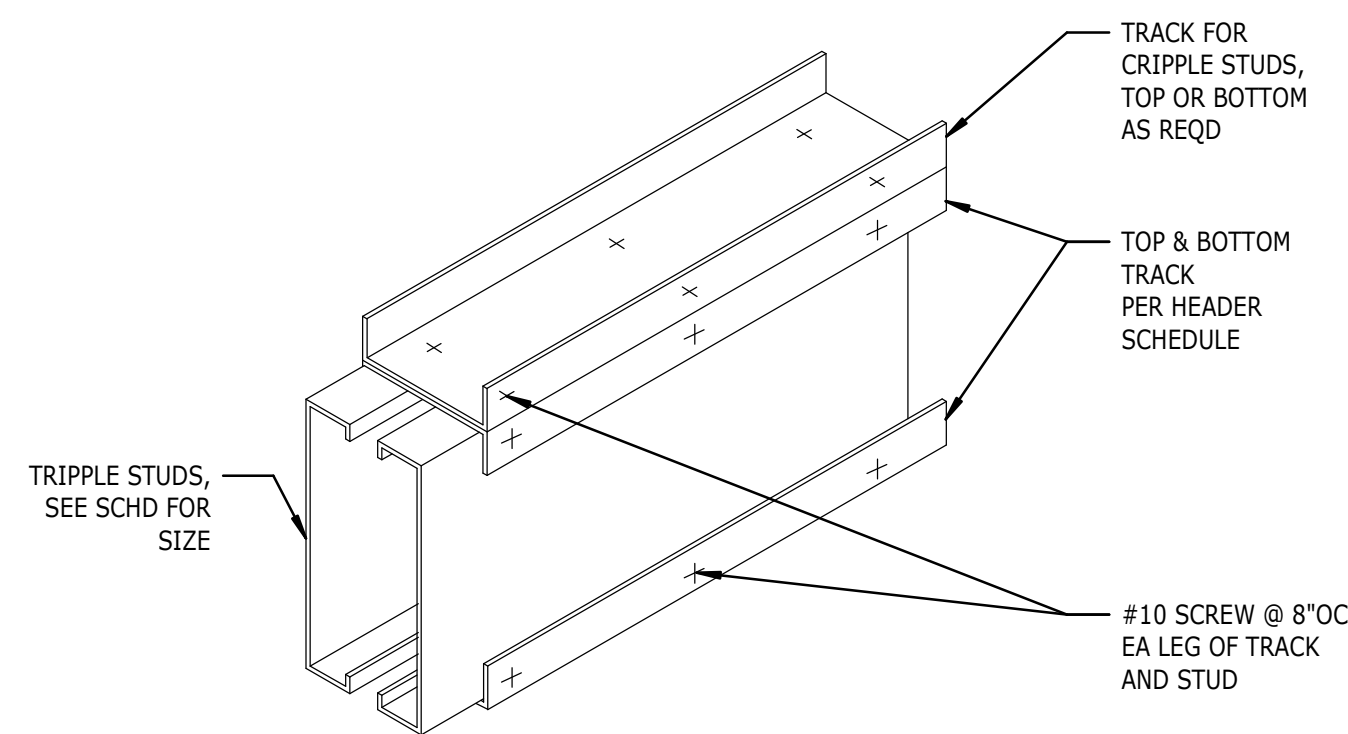


INTERIOR CONDITION



EXTERIOR CONDITION

7 TYPICAL OPENING ELEVATION
S6.1 NTS



9 TYPICAL HEADER
S6.1 NTS

LOAD BEARING WALL CONSTRUCTION SCHEDULE						
STORY	TYPE	SIZE/GAUGE	Fy	SPACING	BRIDGING	NOTES
1ST FLOOR TO ROOF	EXTERIOR	600S162-54	50 KSI	16"OC	4'-0"OC MAX	
	EXTERIOR, CORNER ZONE	600S162-54	50 KSI	12"OC	4'-0"OC MAX	CORNER ZONE WIDTH IS 8'-0"
	INTERIOR	600S162-54	50 KSI	16"OC	4'-0"OC MAX	

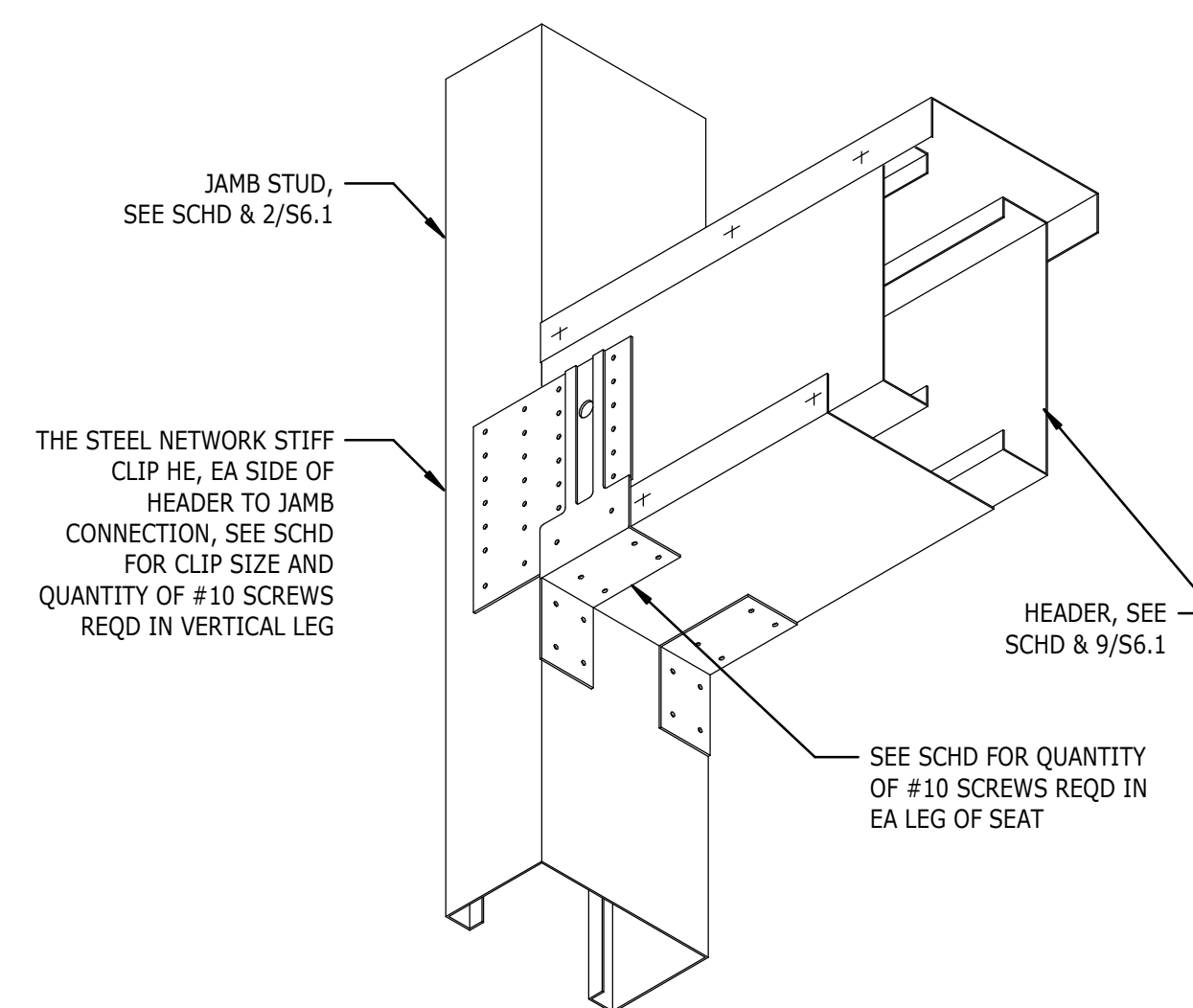
- NOTES:
1. STUD GAUGE (MIL)
FLANGE WIDTH (IN)
STUD DEPTH (IN)
 2. "Fy" INDICATES MINIMUM YIELD STRENGTH.
 3. SEE S6.1 FOR TYPICAL DETAILS.
 4. TOP AND BOTTOM TRACK SHALL BE 54-MIL (16GA) MINIMUM THICKNESS.

1 WALL CONSTRUCTION SCHEDULE
S6.1 NTS

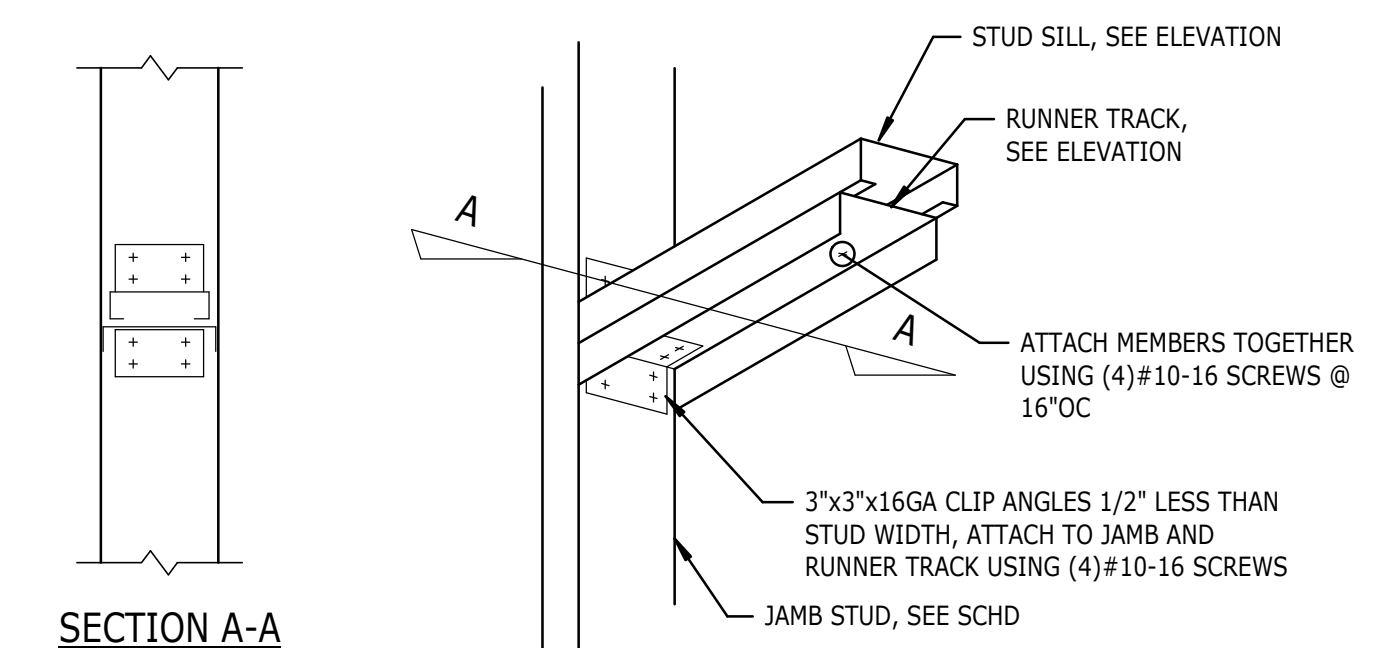
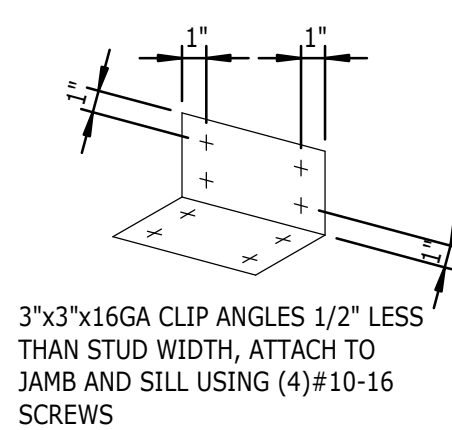
LOCATION	HEADER TYPE	HEADER REQUIREMENTS		SILL REQUIREMENTS	JAMB REQUIREMENTS	STIFF CLIP CONNECTION		
		STUDS	TRACKS			CLIP SIZE	VERTICAL LEG SCREW PATTERN	SEATED LEG SCREW PATTERN
		ROOF TO FIRST FLOOR	H1			(3)600S162-54 [50ksi]	(2)600T125-54	(2)600T125-54
	H2	(3)600S162-54 [50ksi]	(2)600T125-54	NA	(2)600S162-54 [50ksi]	HE(H)-54[50ksi]	20	4
	H3	(3)600S162-54 [50ksi]	(2)600T125-54	NA	(2)600S162-54 [50ksi]	HE(H)-54[50ksi]	16	4
	H4	(3)800S162-68 [50ksi]	(2)600T125-54	NA	(3)600S162-54 [50ksi]	HE(H)-54[50ksi]	32	4

- NOTES:
1. SEE 9/S6.1 THRU 14/S6.1 FOR TYPICAL DETAILS.

2 HEADER AND JAMB SCHEDULE
S6.1 NTS



6 HEADER TO JAMB SUPPORT
S6.1 NTS



3 TYPICAL SILL
S6.1 NTS

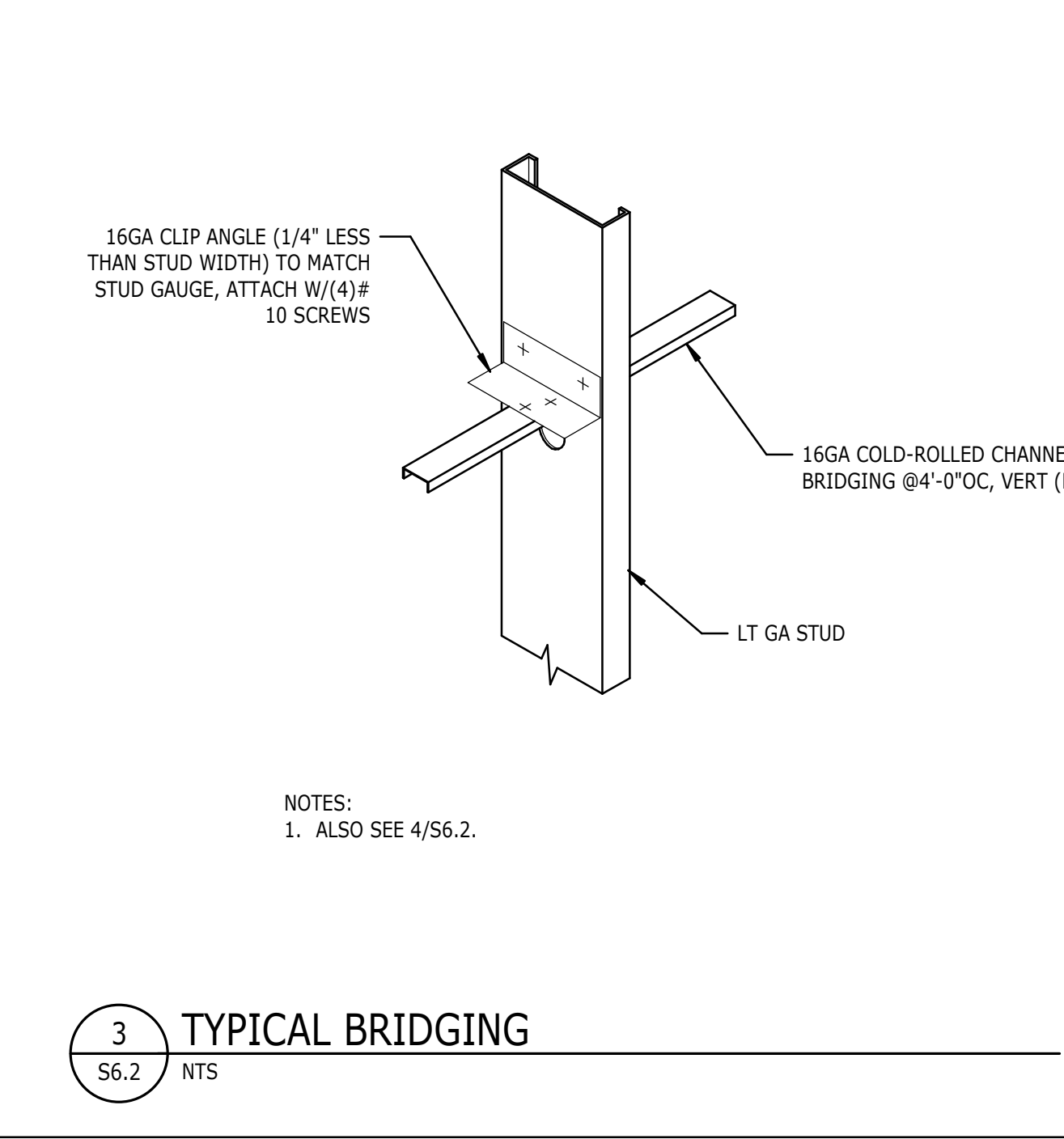
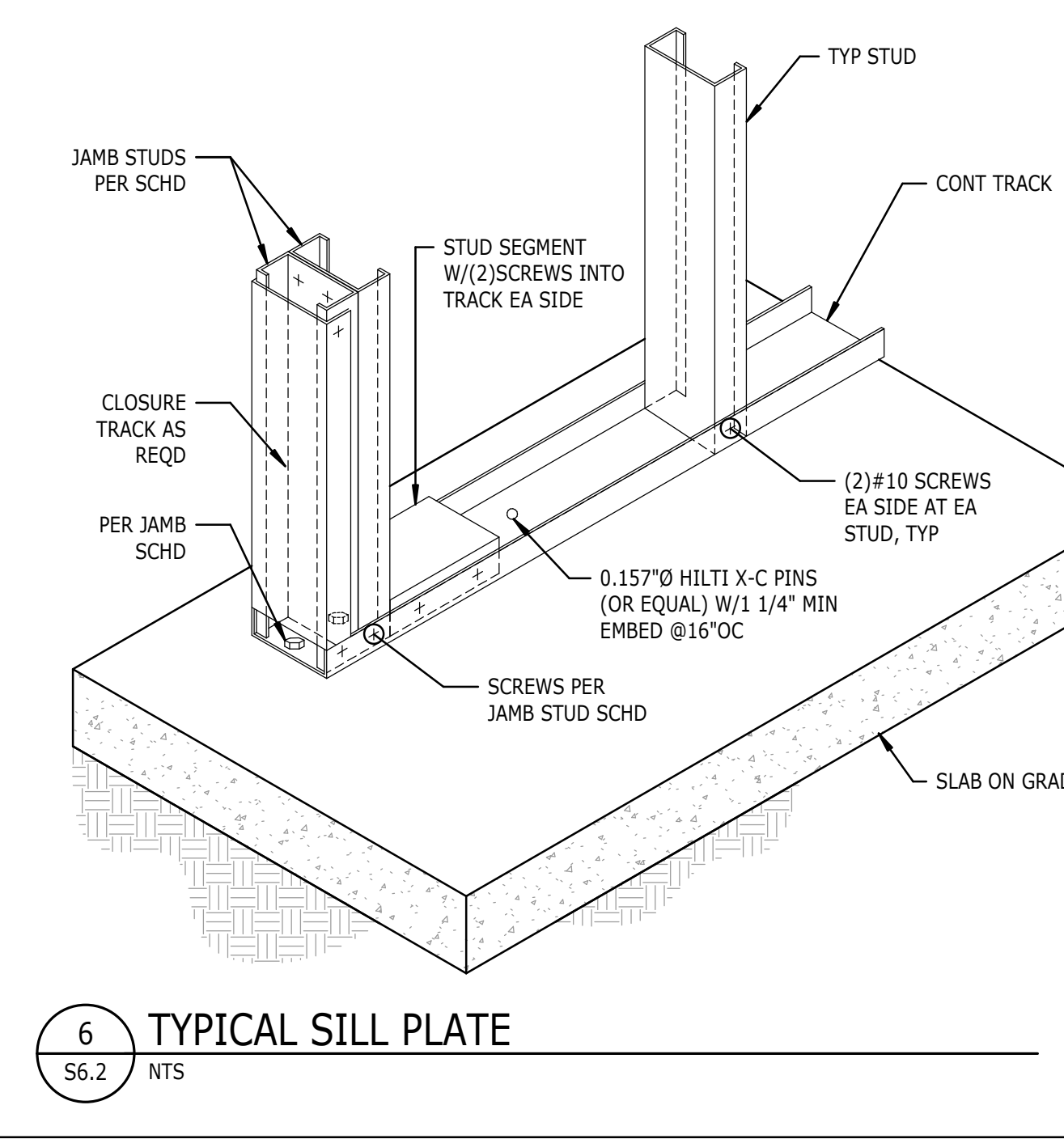
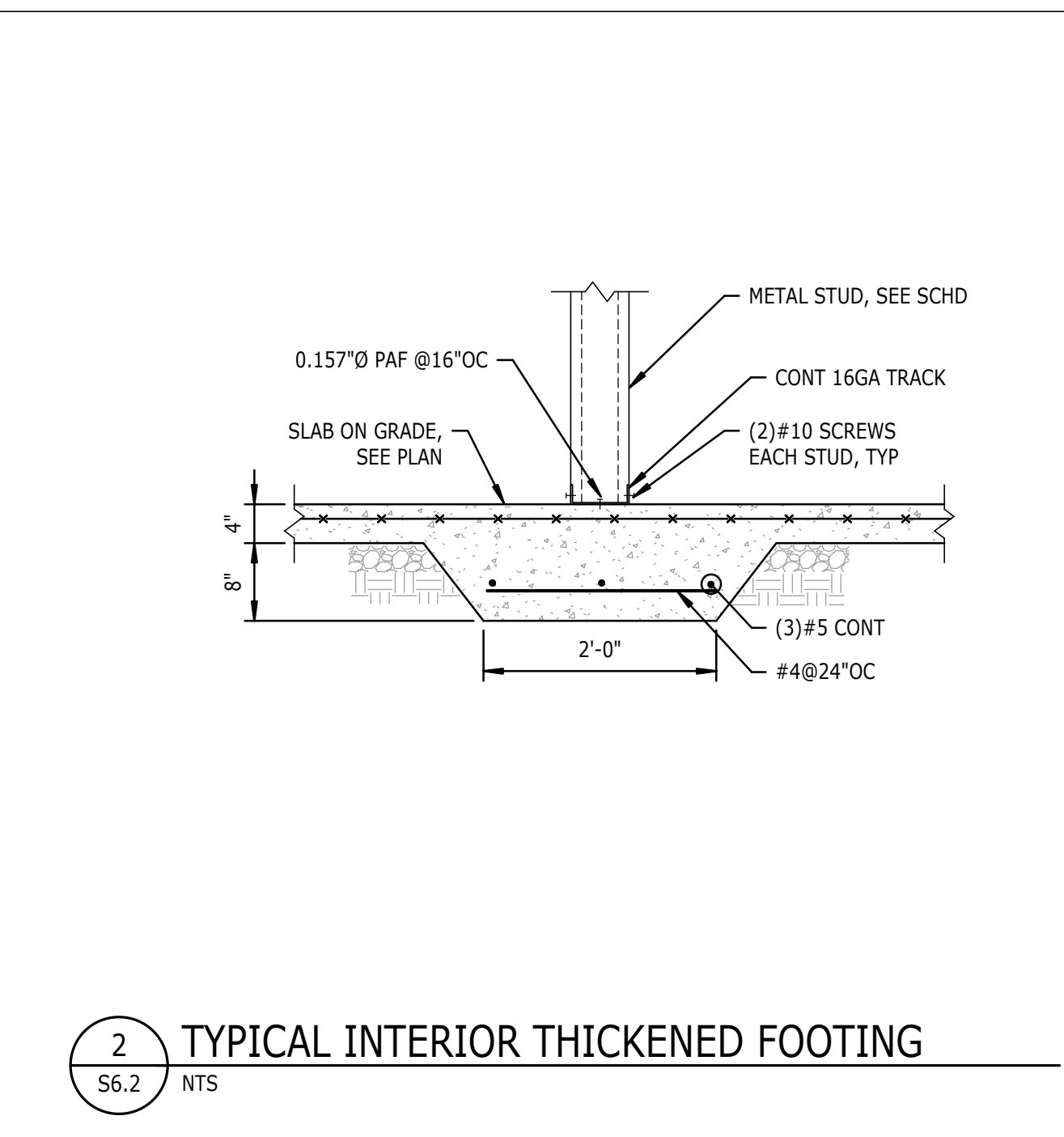
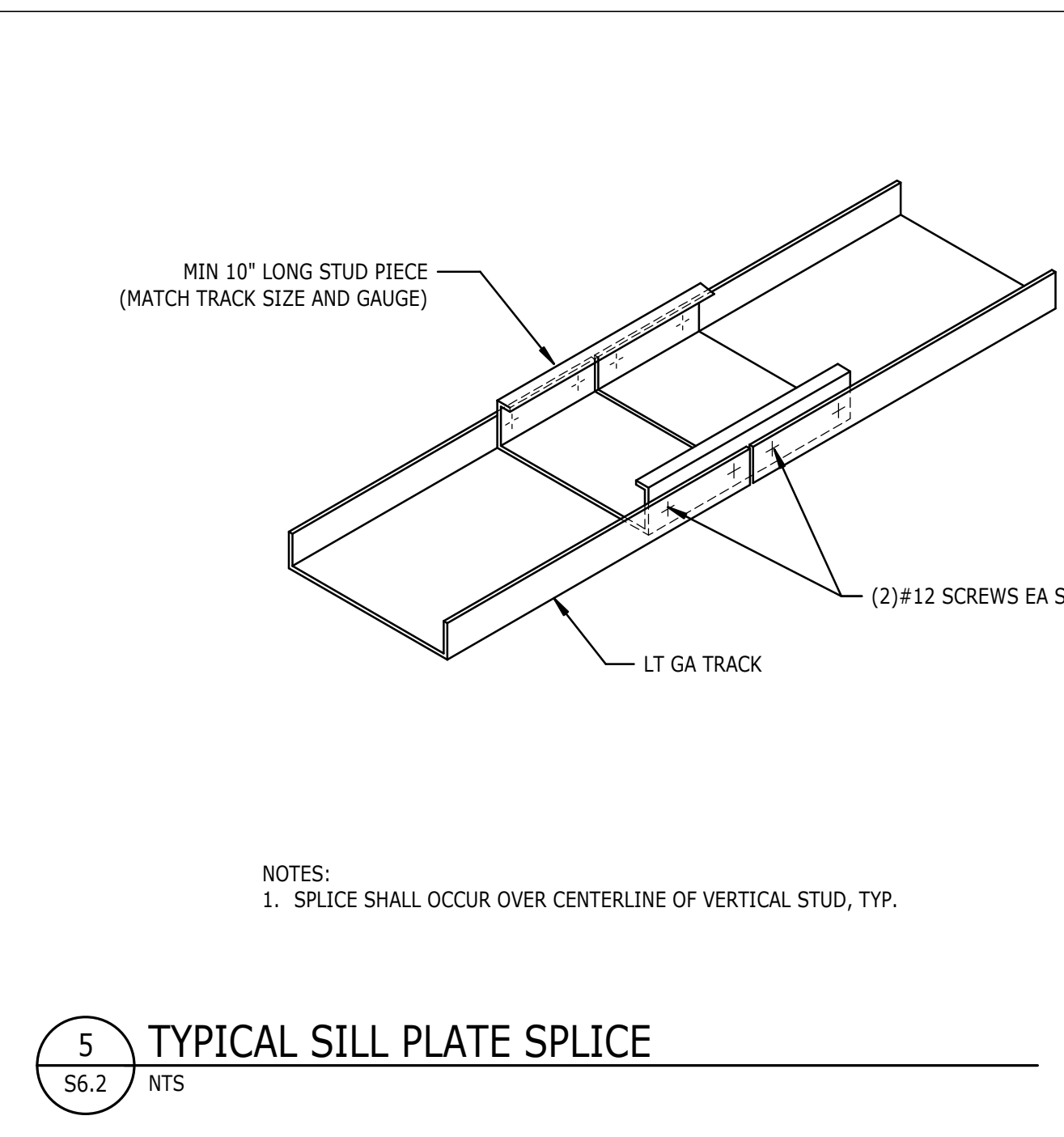
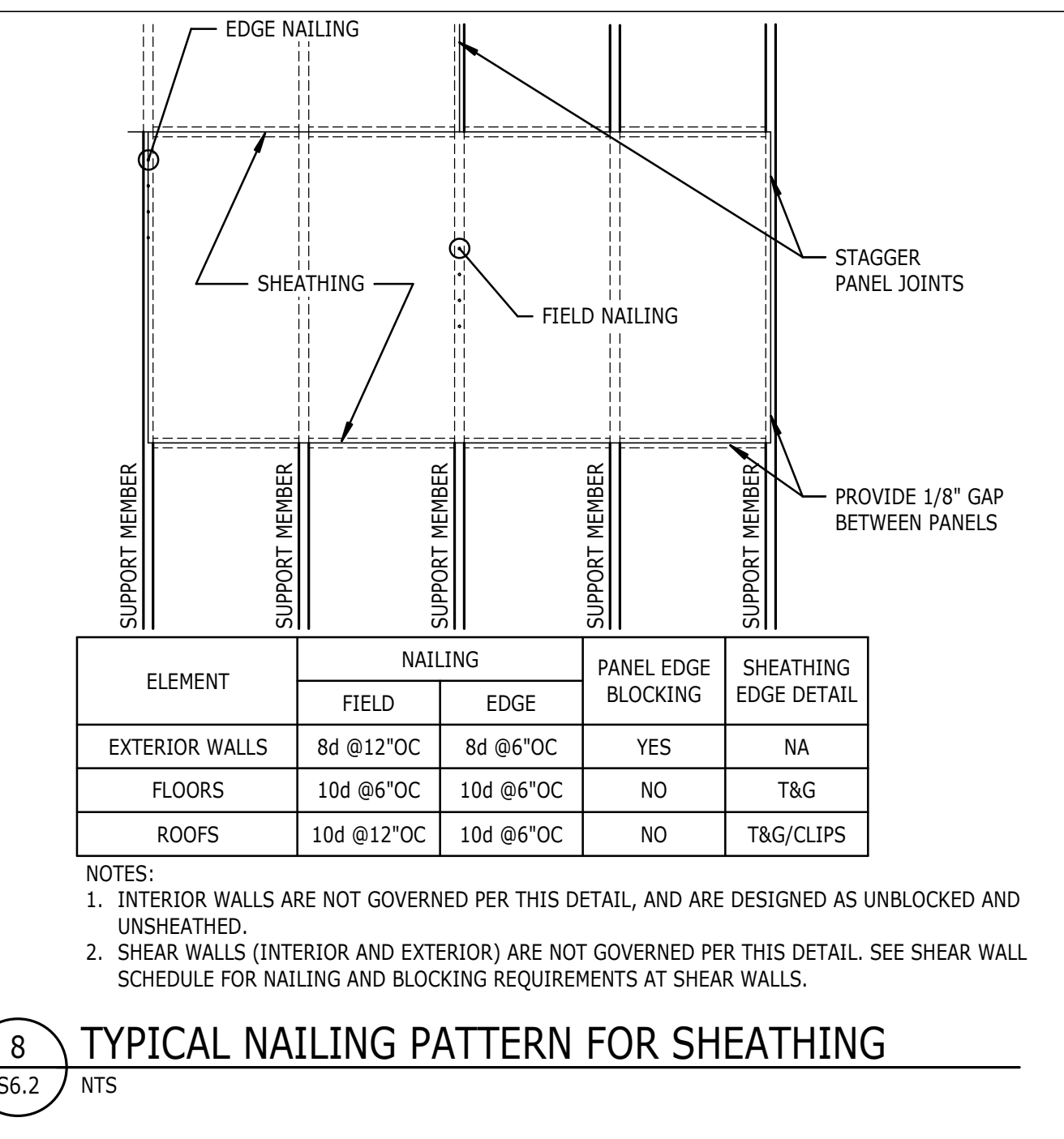
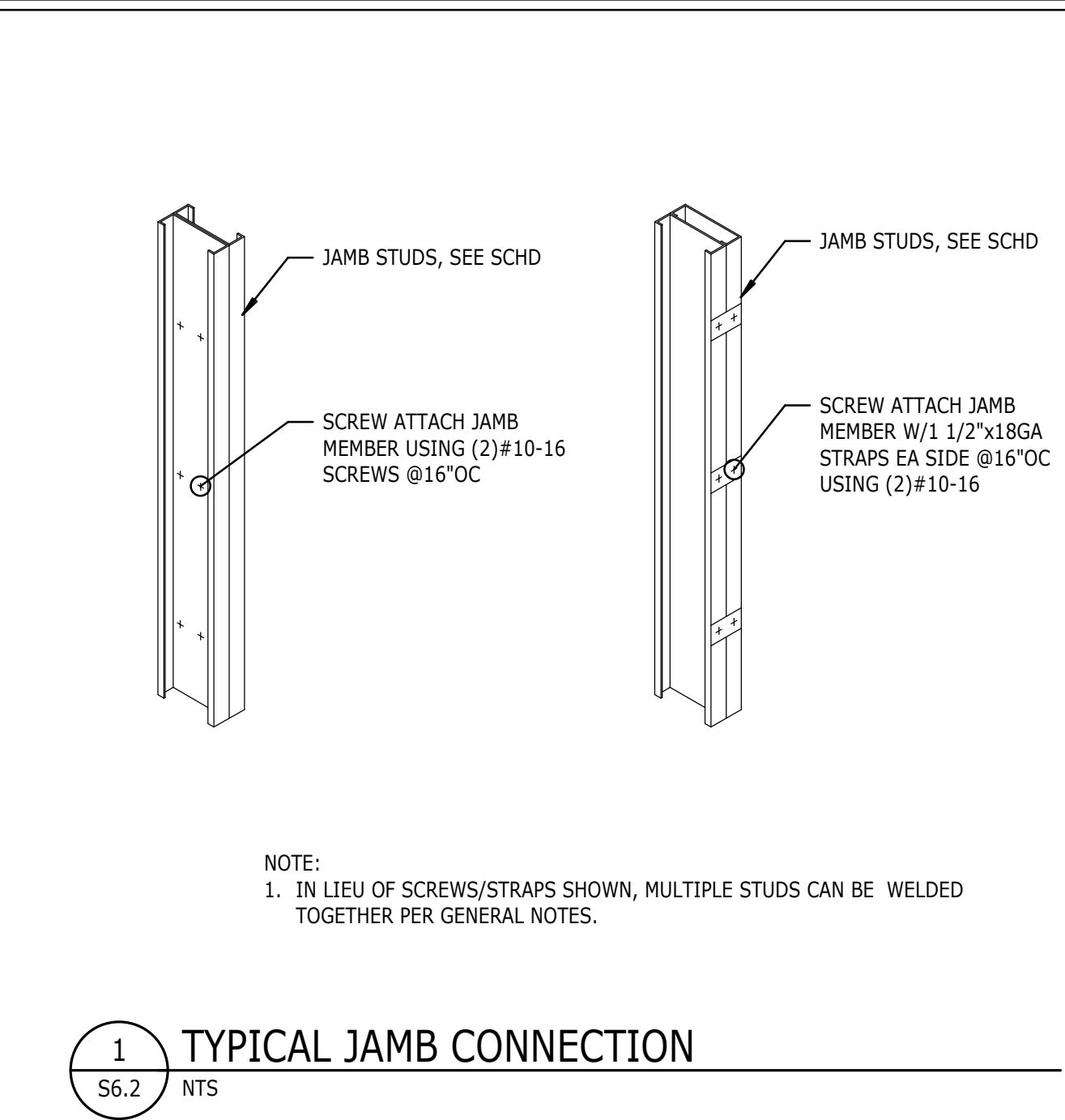
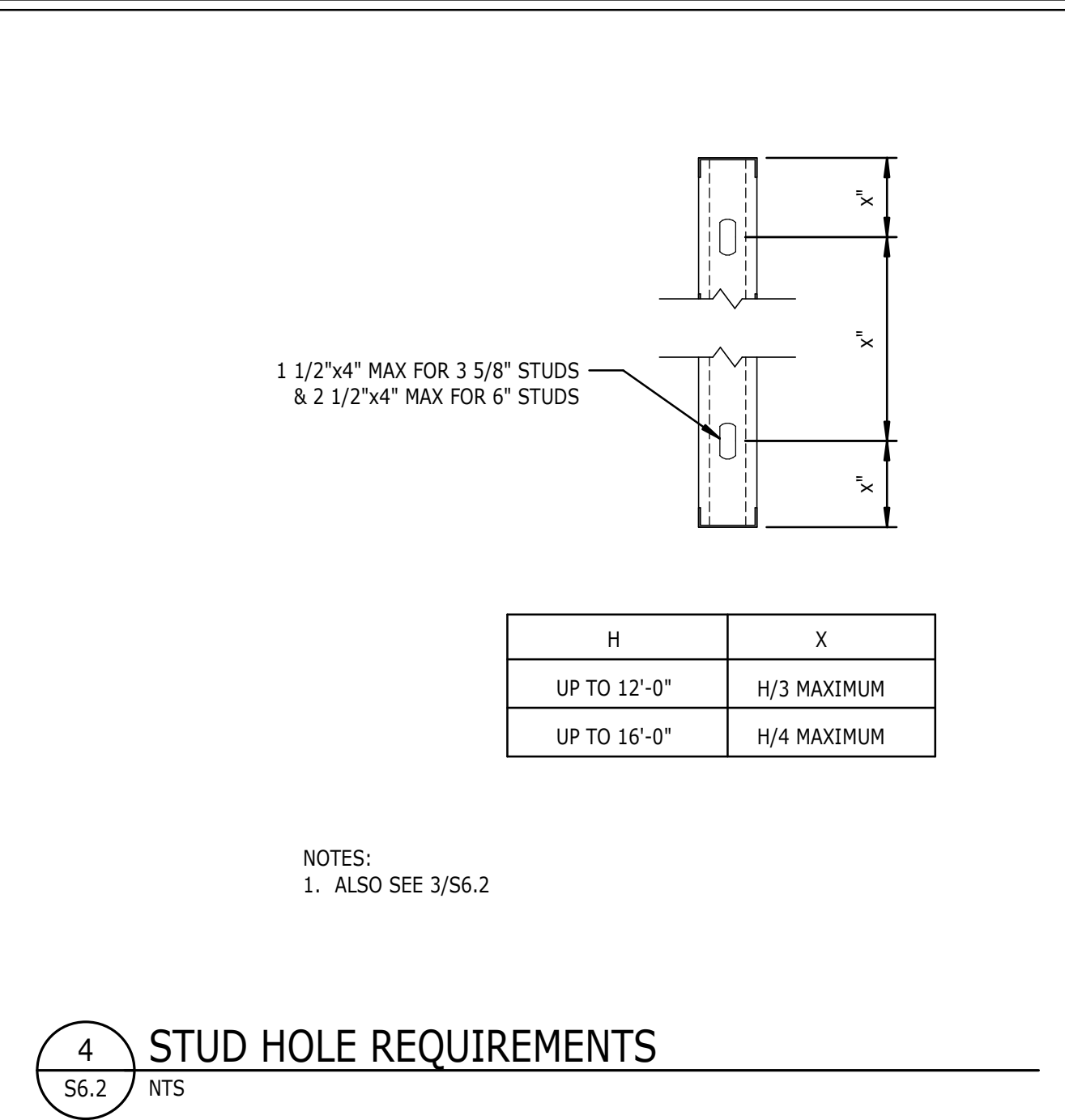
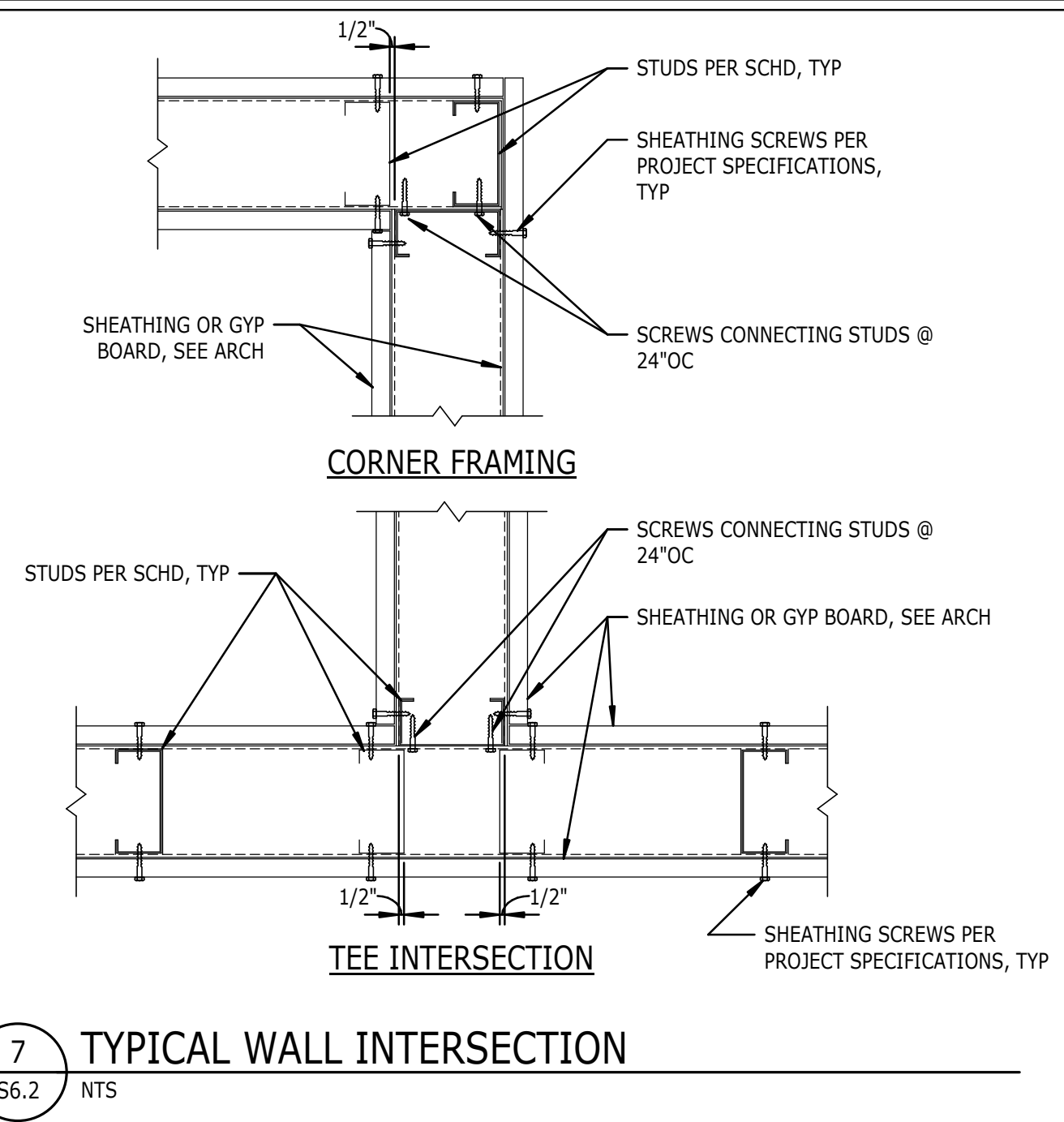
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Sheet Title
METAL STUD AND TIMBER FRAMING DETAILS



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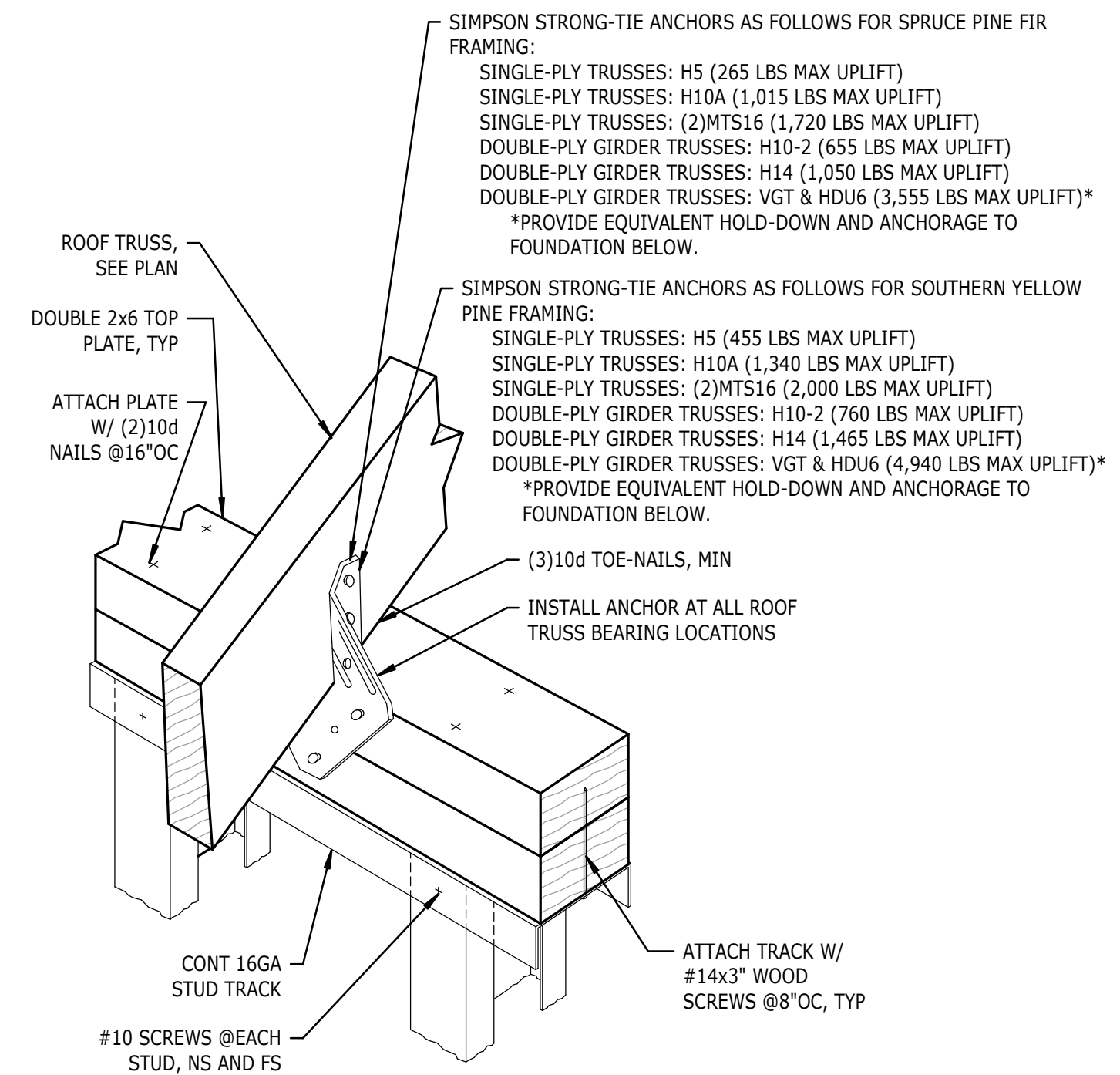
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METAL STUD AND TIMBER FRAMING DETAILS	

MINIMUM FASTENER REQUIREMENTS FOR FRAMING							
CONNECTION	NUMBER/SPACING OF FASTENERS REQUIRED PER CONNECTION						
	3 1/2 x0.162	3 x0.148	3 1/4 x0.131	3 x0.131	2 1/2 x0.131	3 1/4 x0.120	3 x0.120
FLOOR FRAMING							
JOIST TO BAND JOIST	3	5	5	5	NA	6	6
LEDGER STRIP	3	4	4	4	6	4	4
JOIST TO SILL OR GIRDER	3	3	3	3	3	4	4
BLOCKING BTWN JOIST OR RAFTER TO TOP PLATE	3	3	3	4	3	4	4
BRIDGING TO JOIST	NA	NA	NA	NA	2	3	3
RIM JOIST TO TOP PLATE	8"OC	6"OC	6"OC	6"OC	6"OC	6"OC	4"OC
BUILT-UP GIRDERS AND BEAMS - SPACING ALONG EDGES	24"OC	24"OC	24"OC	24"OC	16"OC	16"OC	16"OC
- NUMBER AT ENDS AND SPLICES	3	3	3	3	4	3	3
CEILING AND ROOF FRAMING							
CEILING JOIST TO PLATE	3	4	5	5	5	5	5
CEILING JOISTS, LAPS OVER PARTITIONS	3	4	4	4	6	4	4
CEILING JOIST TO PARALLEL RAFTER	3	4	4	4	6	4	4
COLLAR TIE TO RAFTER	3	3	4	4	5	4	4
JACK RAFTER TO HIP, TOE NAILED	3	3	4	4	5	4	4
JACK RAFTER TO HIP, FACE NAILED	2	3	3	3	3	4	4
ROOF RAFTER TO PLATE	3	3	3	3	3	4	4
ROOF RAFTER TO 2x RIDGE BEAM (DRIVEN THRU BEAM INTO END OF RIDGE)	2	3	3	3	NA	4	4
ROOF RAFTER TO 2x RIDGE BEAM (TOE NAIL RAFTER TO BEAM)	2	3	3	3	3	4	4
WALL FRAMING							
TOP OR SOLE PLATE TO STUD, END NAILED	2	3	3	3	5	4	4
STUD TO TOP OR SOLE PLATE, TOE NAILED	3	4	4	4	4	4	4
CAP/TOP PLATE LAPS AND INTERSECTIONS (EACH SIDE OF LAP)	2	3	3	3	4	3	3
DIAGONAL BRACING	2	2	2	2	2	3	3
SOLE PLATE TO JOIST OR BLOCKING AT BRACED PANELS (NUMBER PER 16" JOIST SPACE)	2	3	3	4	NA	4	4
SOLE PLATE TO JOIST OR BLOCKING	16"OC	8"OC	8"OC	8"OC	6"OC	8"OC	8"OC
DOUBLE TOP PLATE	16"OC	16"OC	12"OC	12"OC	8"OC	12"OC	12"OC
DOUBLE STUDS	12"OC	12"OC	8"OC	8"OC	6"OC	8"OC	8"OC
CORNER STUDS	24"OC	16"OC	16"OC	16"OC	8"OC	12"OC	12"OC

- NOTES:
1. NAIL LENGTHS SHOWN ARE A MINIMUM NOMINAL LENGTH (IN INCHES). NAIL SHANK DIAMETERS SHOWN ARE A MINIMUM NOMINAL DIAMETER (IN INCHES).
 2. THIS FASTENING SCHEDULE APPLIES TO FRAMING MEMBERS HAVING AN ACTUAL THICKNESS OF 1 1/2" (NOMINAL 2x LUMBER).
 3. FASTENINGS LISTED ABOVE MAY ALSO BE USED FOR OTHER CONNECTIONS THAT ARE NOT LISTED BUT THAT HAVE THE SAME CONFIGURATION AND THE SAME CODE REQUIREMENT FOR FASTENER QUANTITY/SPACING AND FASTENER SIZE (PENNYWEIGHT AND STYLE).
 4. WHERE OTHER DRAWING OR SPECIFICATION REQUIREMENTS CONFLICT WITH THIS SCHEDULE, THE MORE STRINGENT REQUIREMENT SHALL APPLY.

7 MINIMUM FASTENER REQUIREMENTS

S6.3 NTS



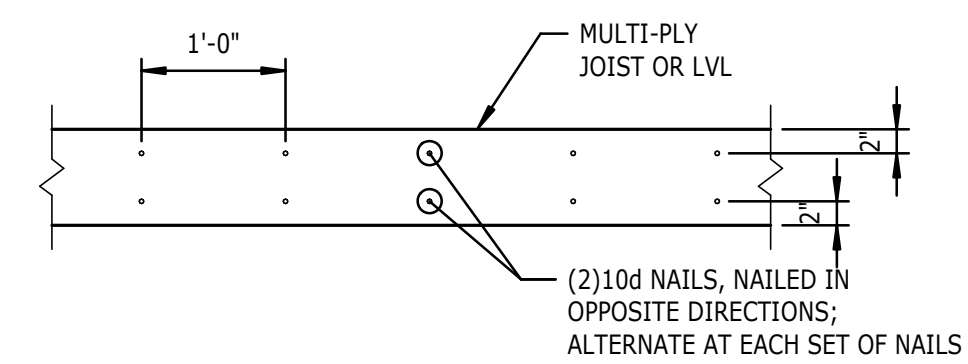
STUD UPLIFT ANCHOR REQUIREMENTS	
SOUTHERN YELLOW PINE FRAMING, TRUSS SPACING @24"OC	
TRUSS REACTION	ANCHOR TYPE
LESS THAN 330 LBS	NONE
330 LBS TO 1,200 LBS	H2.5A
1,200 LBS TO 2,500 LBS	H2.5A PLUS H6
GREATER THAN 2,500 LBS	CONTACT ENGR

STUD UPLIFT ANCHOR REQUIREMENTS	
SPRUCE PINE FIR FRAMING, TRUSS SPACING @24"OC	
TRUSS REACTION	ANCHOR TYPE
LESS THAN 330 LBS	NONE
330 LBS TO 1,100 LBS	H2.5A
1,100 LBS TO 2,250 LBS	H2.5A PLUS H6
GREATER THAN 2,250 LBS	CONTACT ENGR

- NOTES:
1. TRUSS MANUFACTURER OR CONTRACTOR SHALL SUBMIT FOR ADDITIONAL HOLDOWN ANCHORS AT TRUSS GIRDER, MULTI-PLY TRUSSES, JACK TRUSSES, AND HIP AND VALLEY TRUSSES.

4 TYPICAL ROOF TRUSS CONNECTION

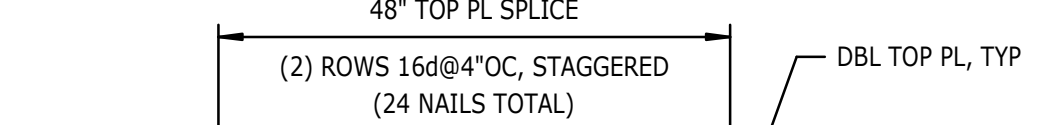
S6.3 NTS



TWO-PLY AND THREE-PLY 2X & LVL MEMBERS

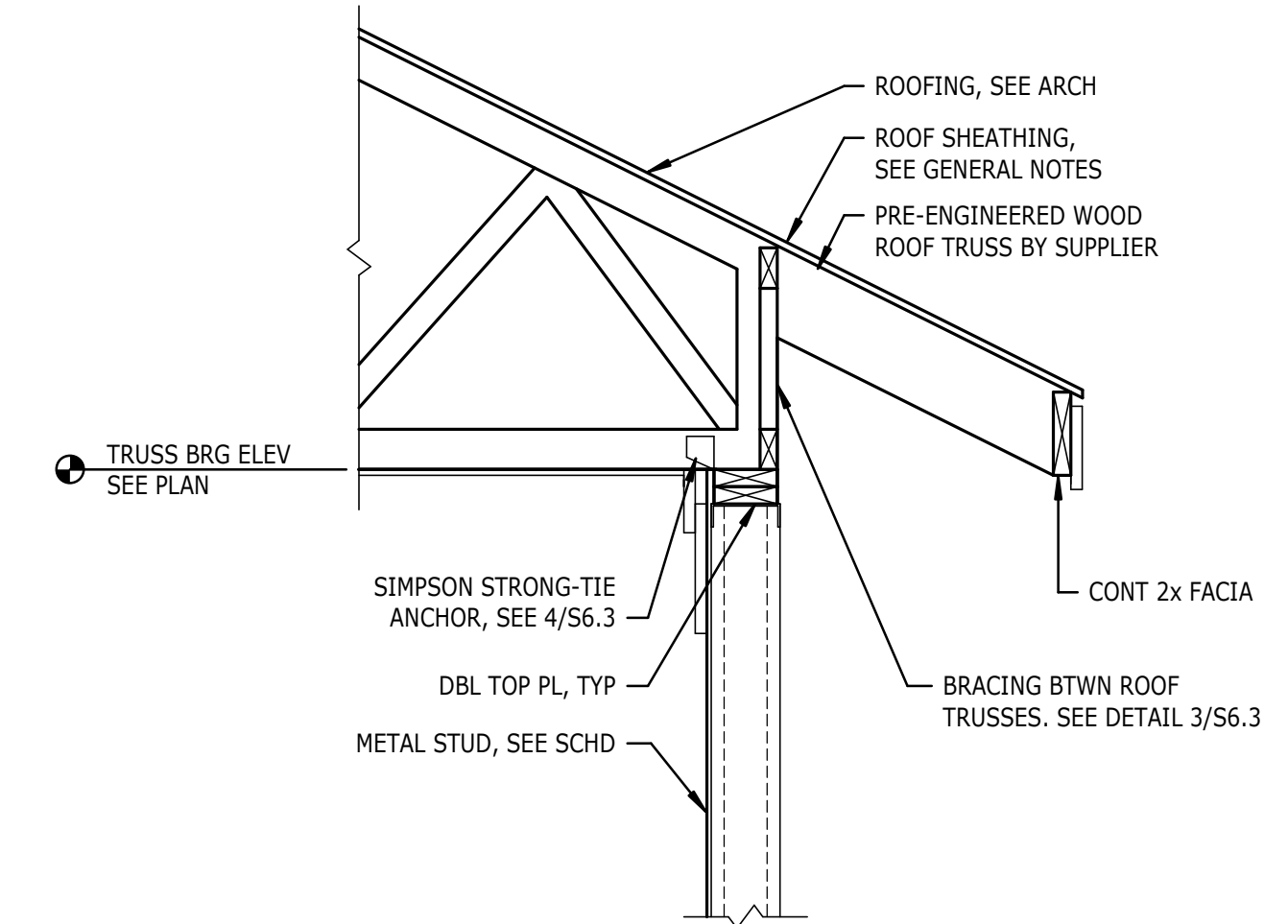
6 TYPICAL NAILING AT 2X & LVL MULTI-PLY FRAMING

S6.3 NTS



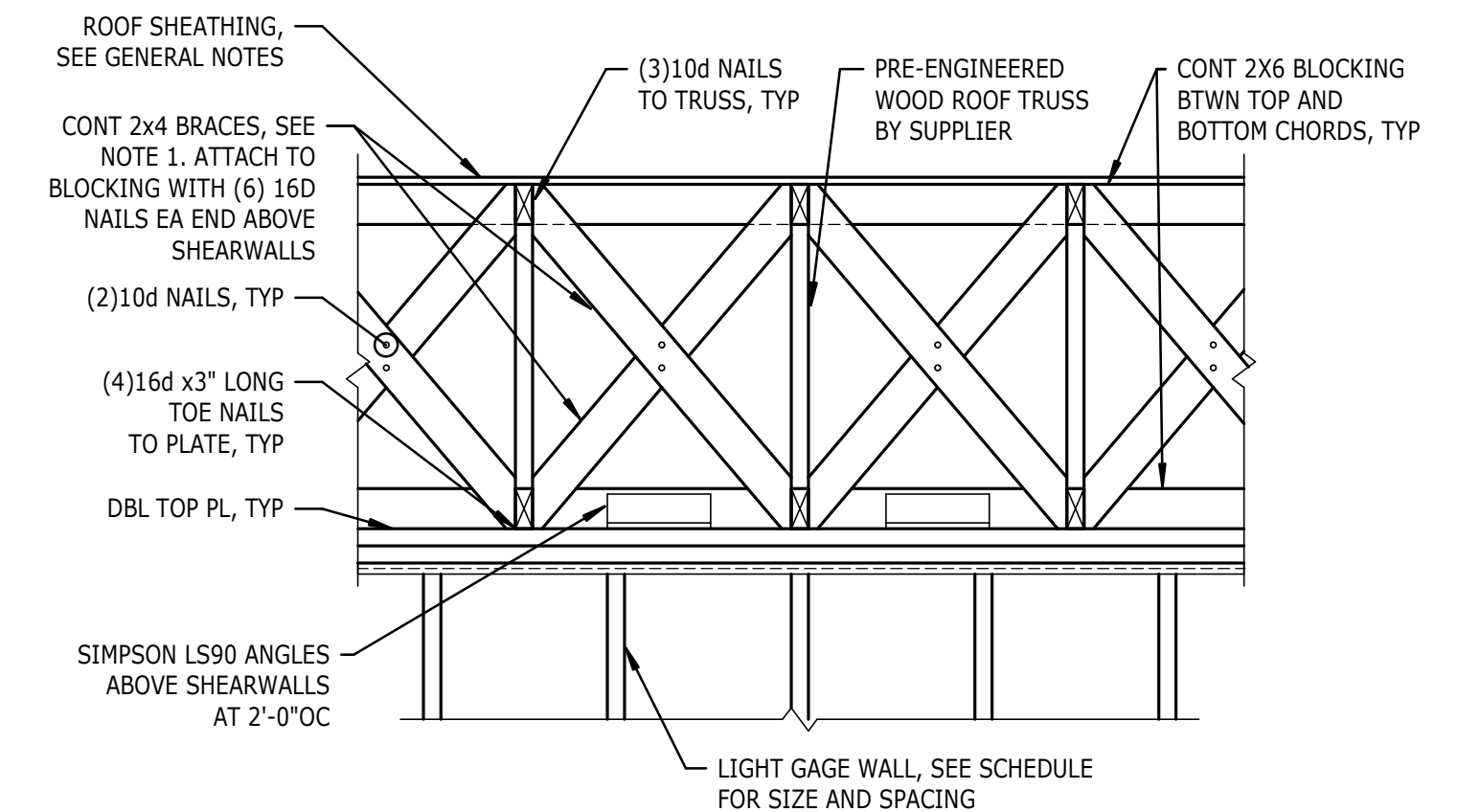
1 TYPICAL TOP PLATE SPLICE

S6.3 NTS



2 TYPICAL ROOF TRUSS AT EXTERIOR WALL

S6.3 NTS



3 TYP BRACING BTWN ROOF TRUSSES AT BRG WALLS

S6.3 NTS



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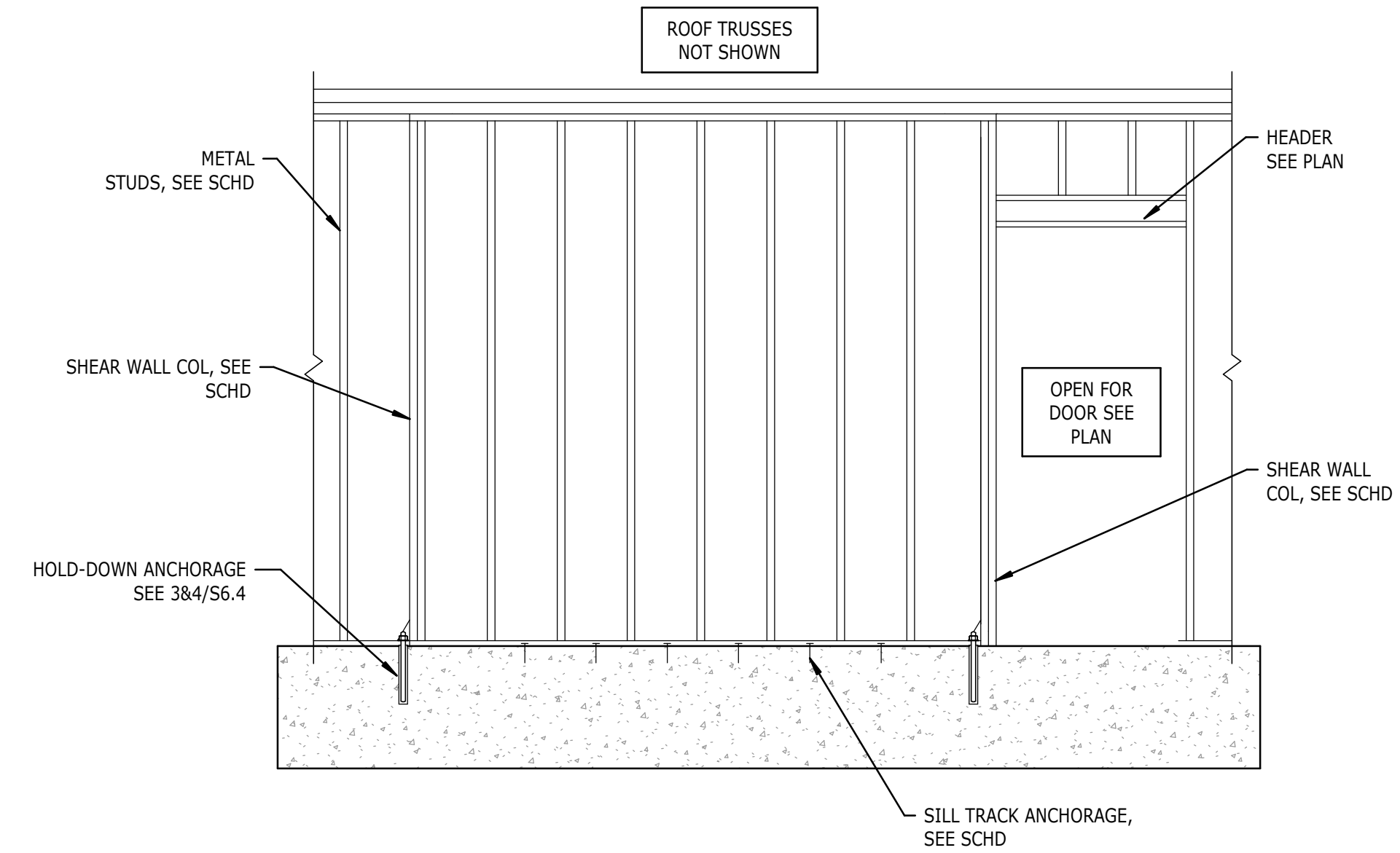
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METAL STUD AND TIMBER FRAMING DETAILS

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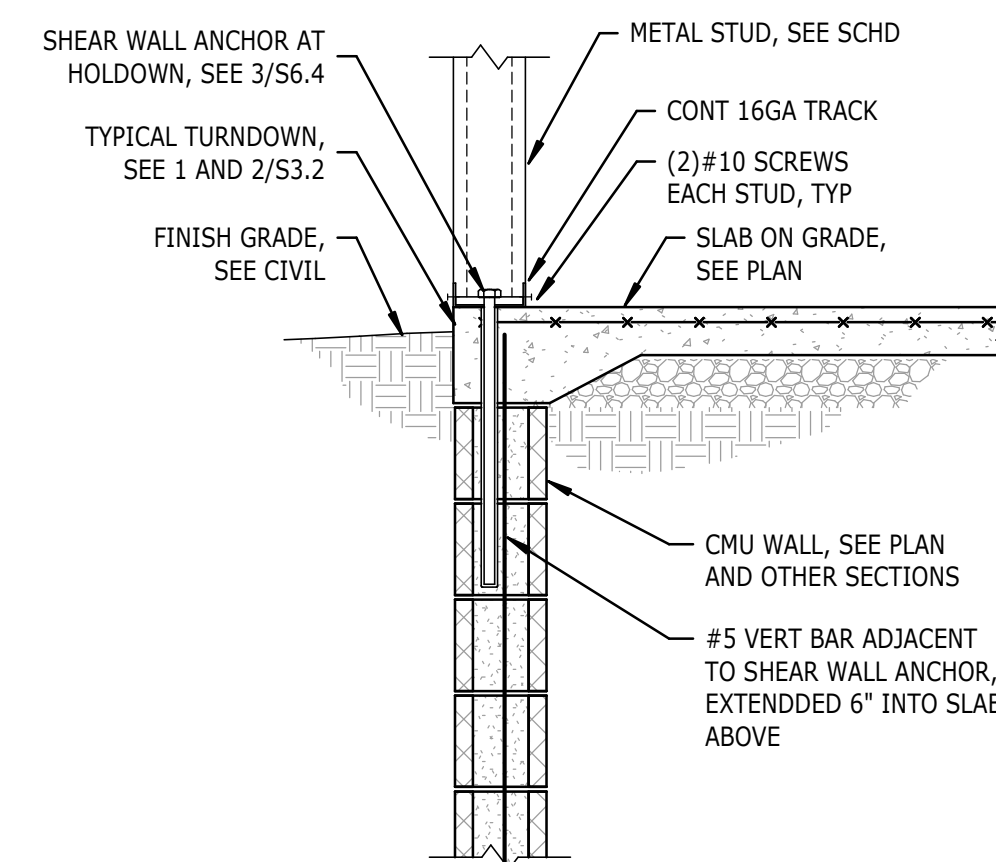


1 TYPICAL METAL STUD SHEAR WALL
S6.4 NTS

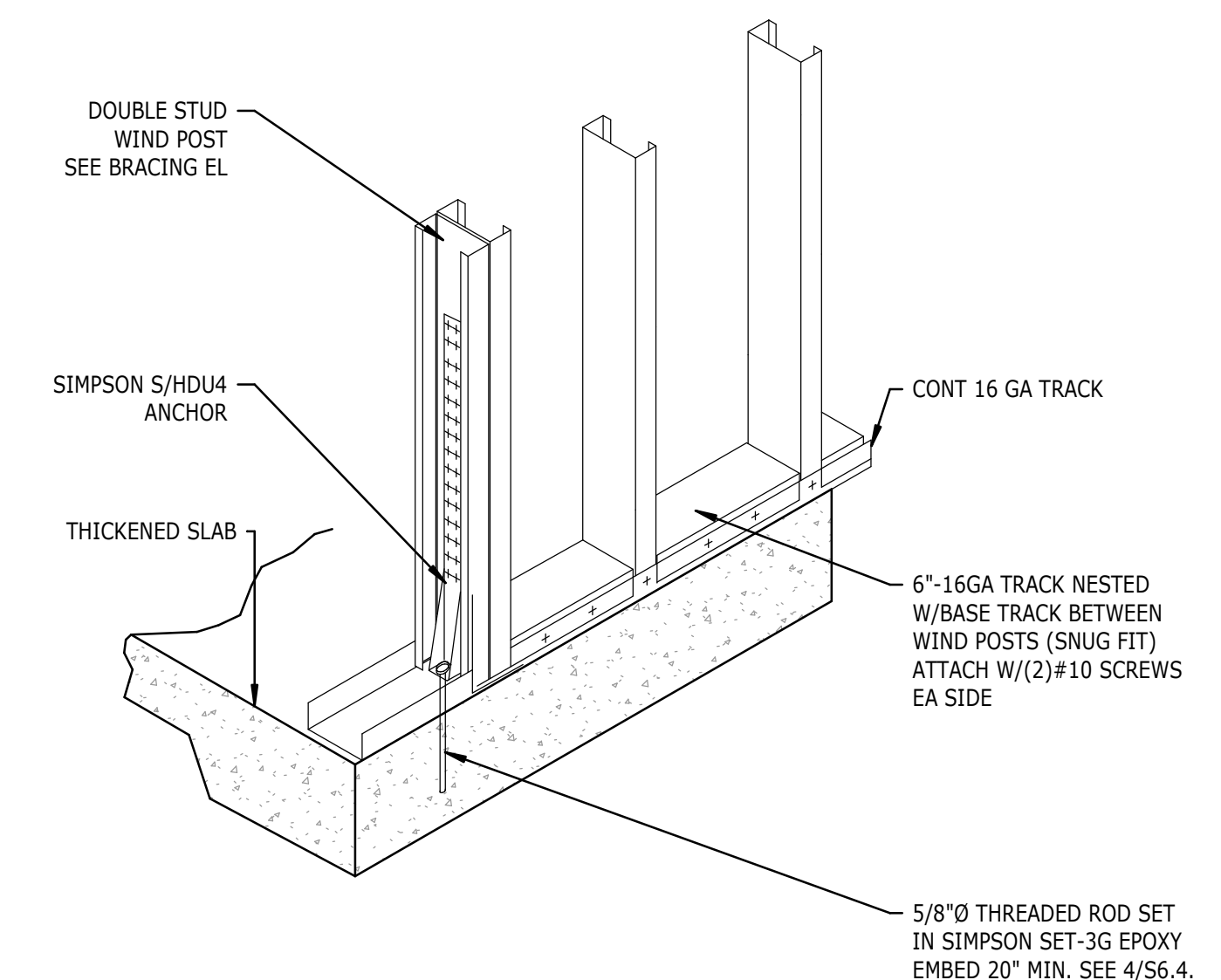
METAL STUD SHEAR WALL SCHEDULE										
MARK	SHEATHING TYPE	SCREW SIZE	SCREW SPACING			END CONDITION			SILL TRACK ANCHORAGE AND SPACING	NOTES
			PANEL EDGE	AROUND OPENINGS	PANEL FIELD	END POST	HOLDOWN	DETAIL		
SSW1	7/16" OSB	#8	6"OC	6"OC	12"OC	(2)600S200-54	S/HDU4	3&4/S6.4	(2)0.157"Ø PAF @16"OC	

- NOTES:
- SEE 1/S6.4 FOR ELEVATION.
 - SEE PLANS FOR SHEAR WALL LOCATIONS.
 - ALL COMPONENTS OF SHEAR WALL SYSTEM SHALL HAVE A MINIMUM YIELD STRESS OF $f_y = 50$ KSI.
 - THREADED RODS AT BOOT CONNECTIONS SHALL EXTEND THRU PERIMETER TURNDOWN SLAB, EMBEDMENT DIMENSIONS APPLY TO LENGTH IN FOOTING/WALL.
 - ALL ANCHORS ALONG EDGE OF SLAB REQUIRE A REDUCED INSTALLATION TORQUE.

2 SCHEDULE
S6.4 NTS



4 AT SHEAR WALL HOLD DOWN
S6.4 3/4" = 1'-0"

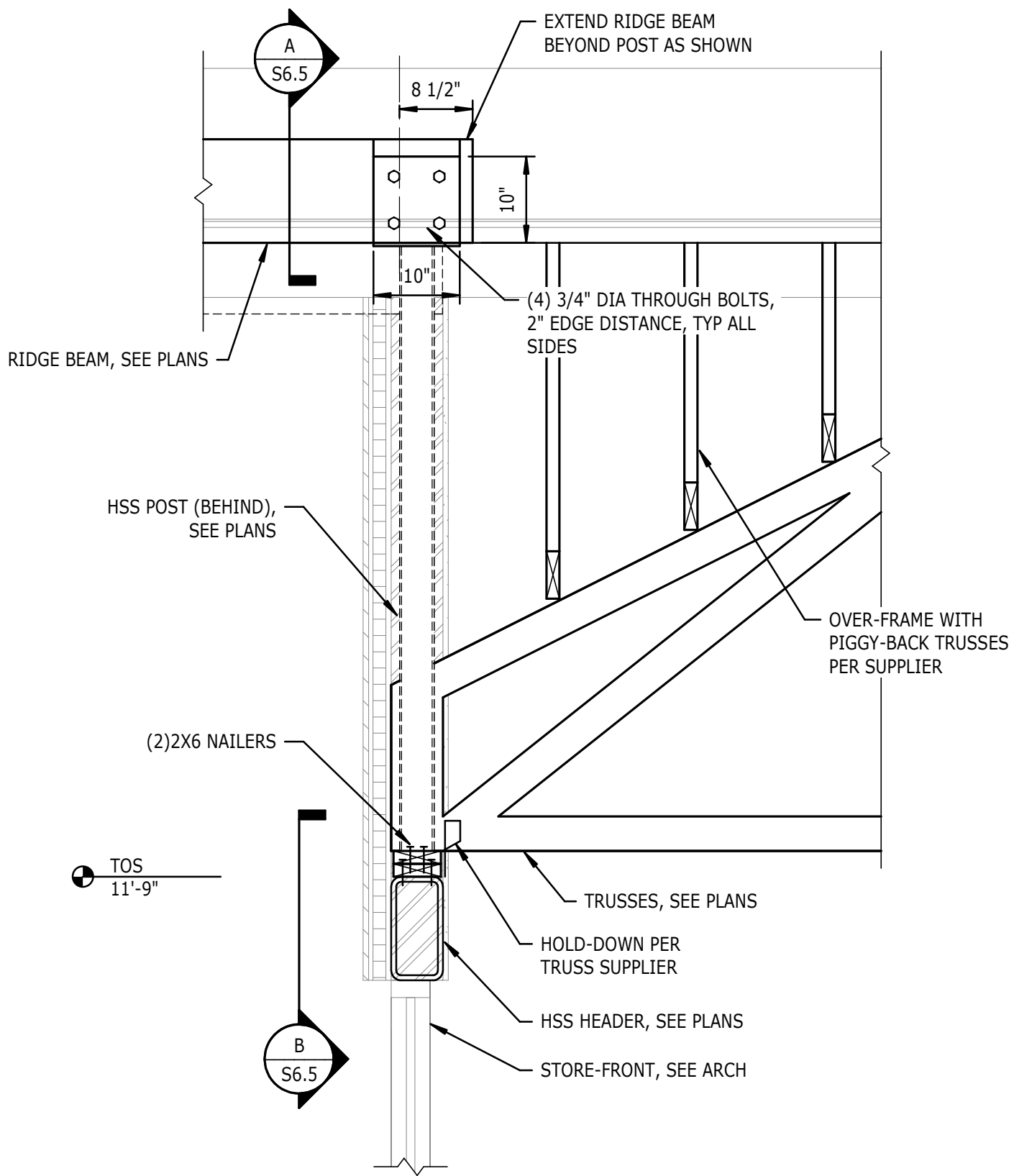
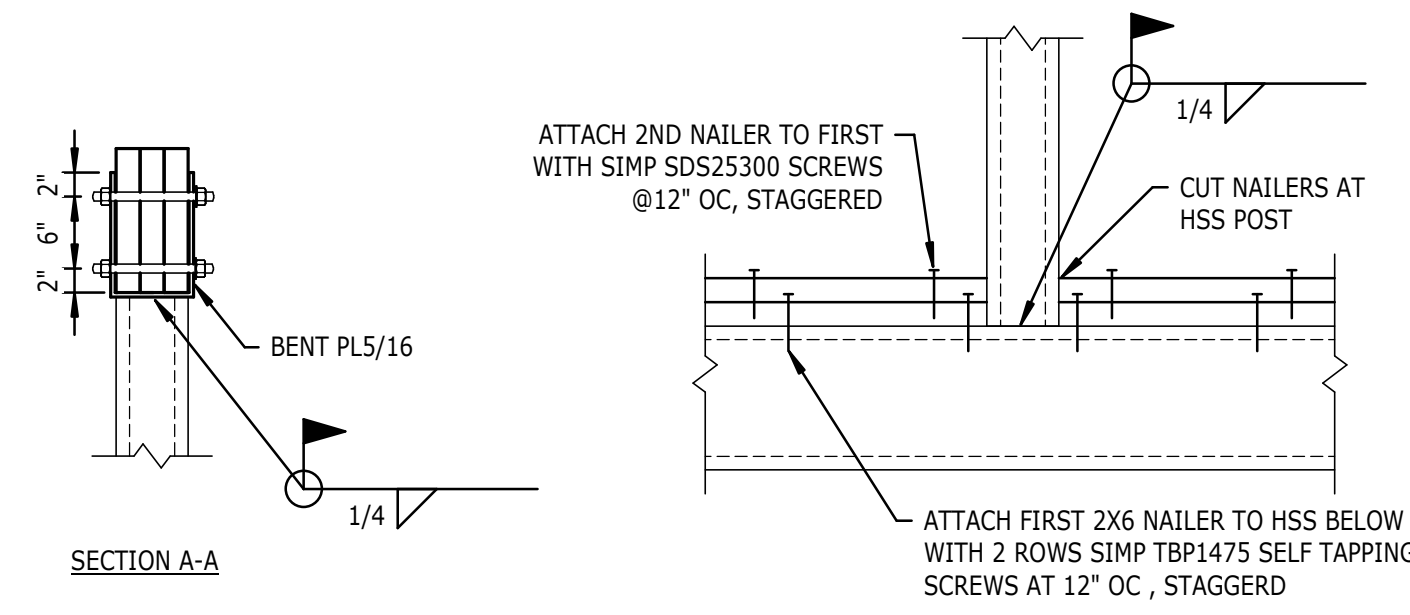


3 HOLDOWN ANCHORAGE
S6.4 NTS

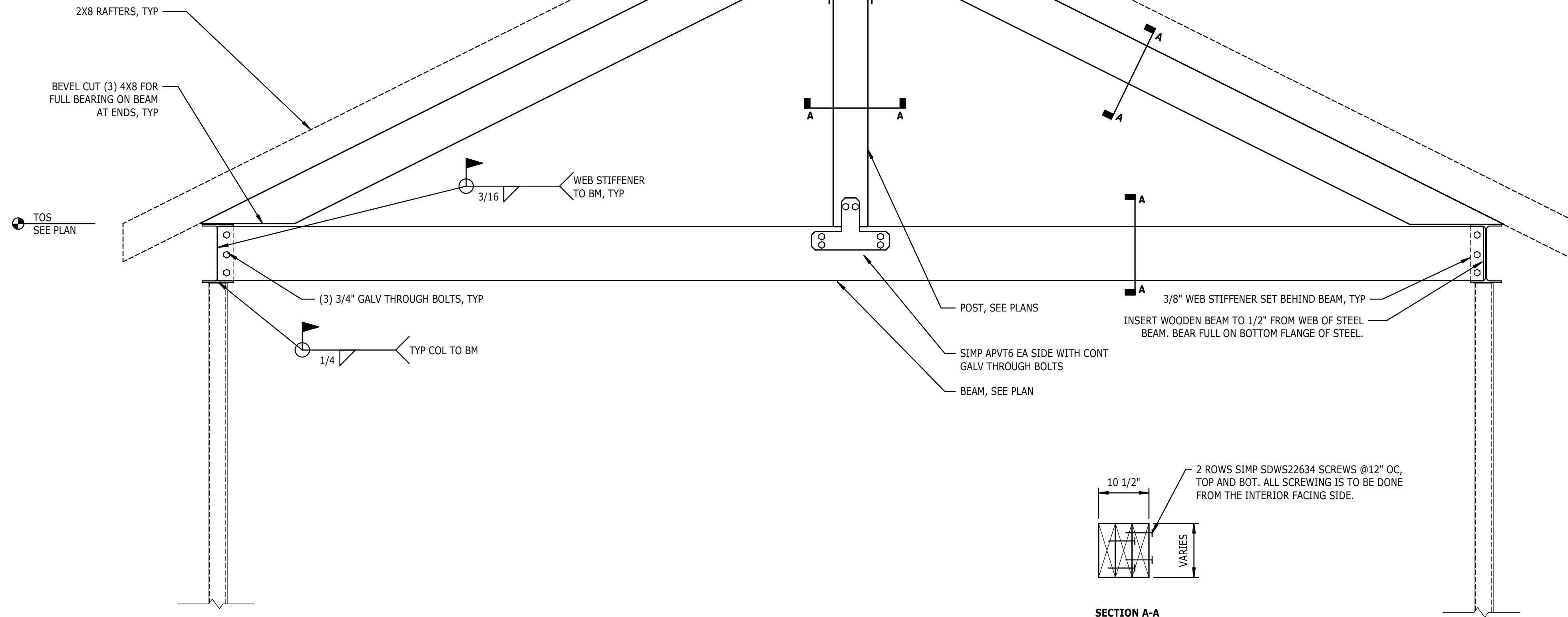
GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions	Description	Date

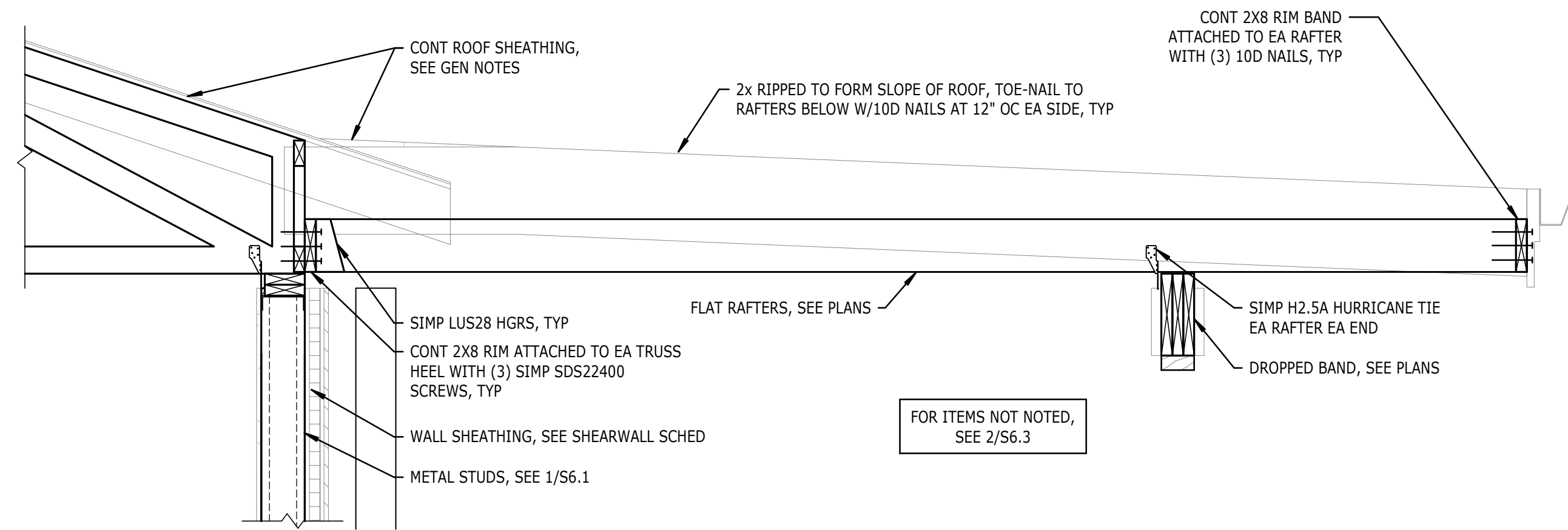
Date	Project No.
2/12/2024	22042
Drawn By	Sheet No.
VNA	S6.4
Checked By	
MBC	
Sheet Title	
SHEAR WALL AND TIMBER FRAMING DETAILS	



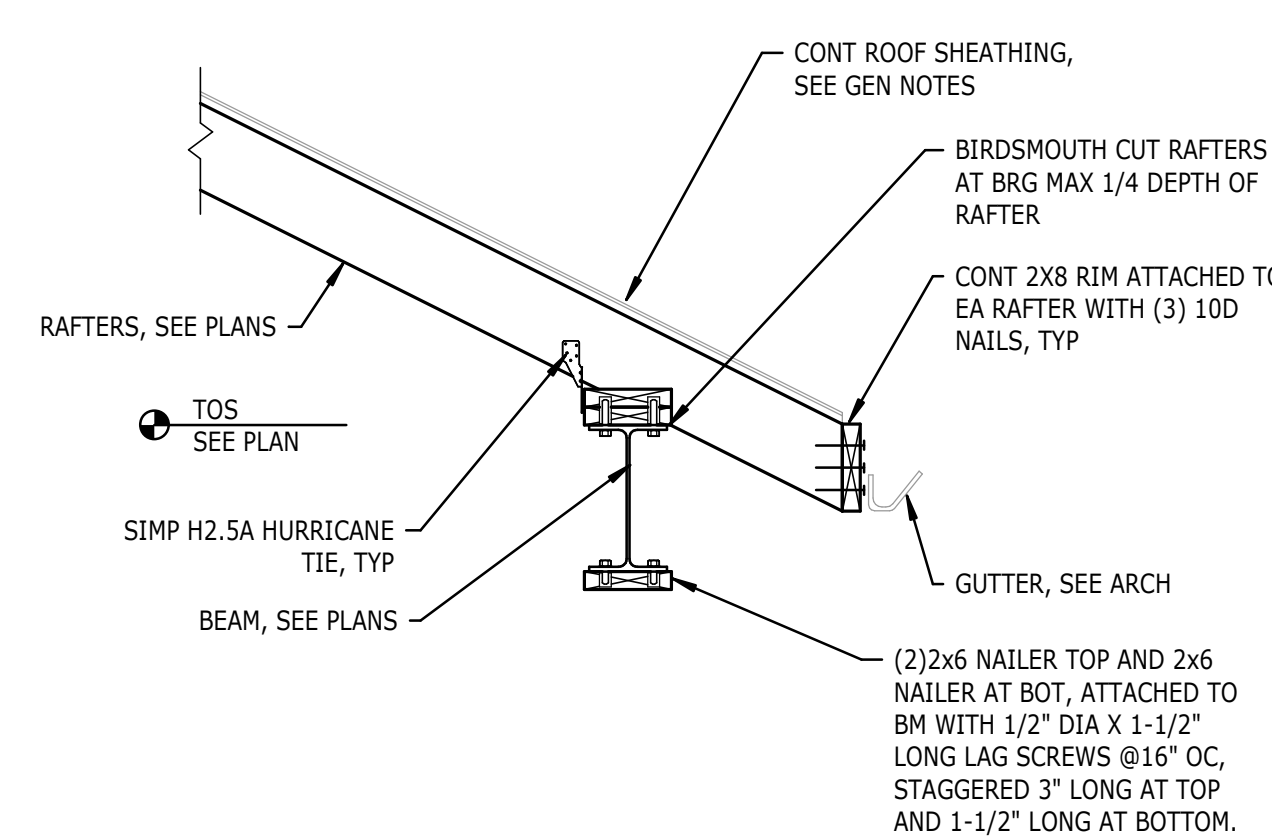
10 SECTION
S6.5 3/4" = 1'-0"



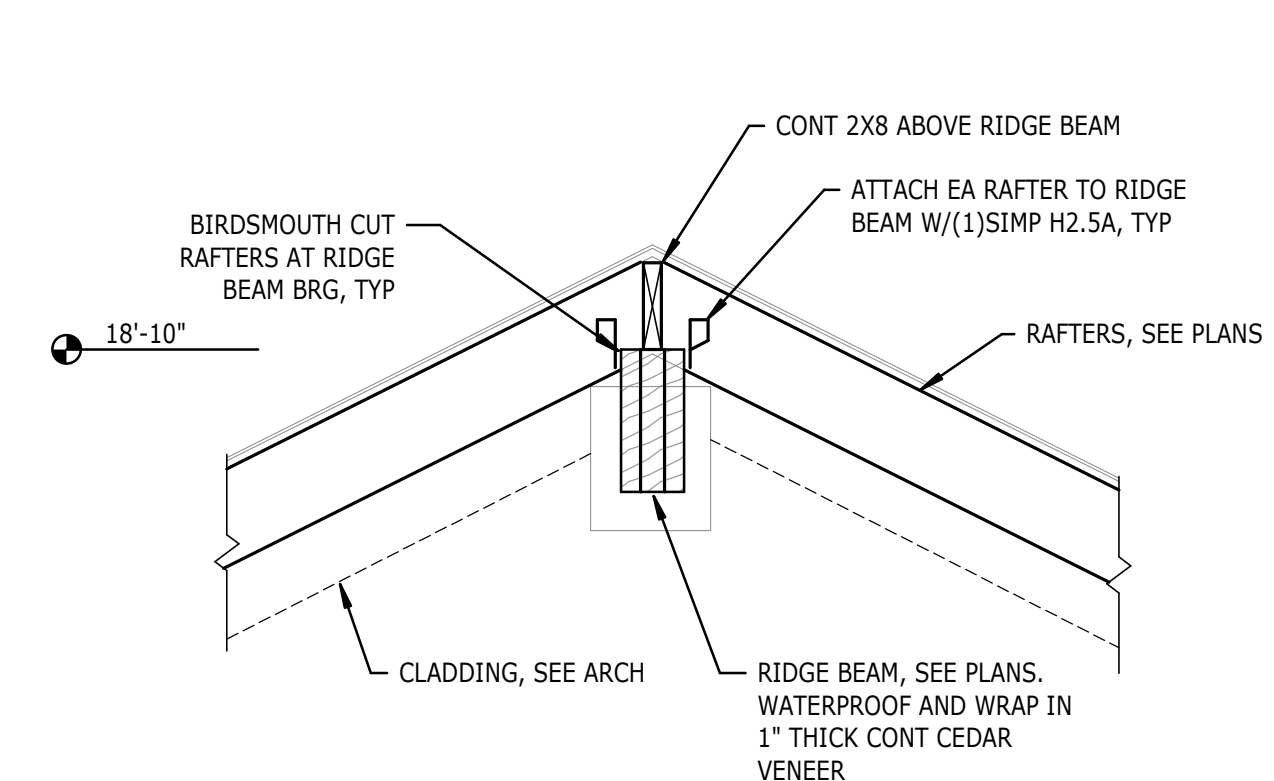
1 SECTION
S6.5 3/4" = 1'-0"



9 SECTION
S6.5 3/4" = 1'-0"

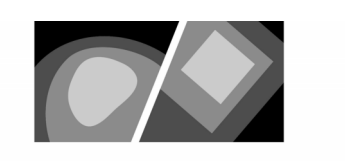


6 SECTION
S6.5 3/4" = 1'-0"



3 SECTION
S6.5 3/4" = 1'-0"

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RALEIGH, NC 27603 PROJECT # S22092



02/12/2024

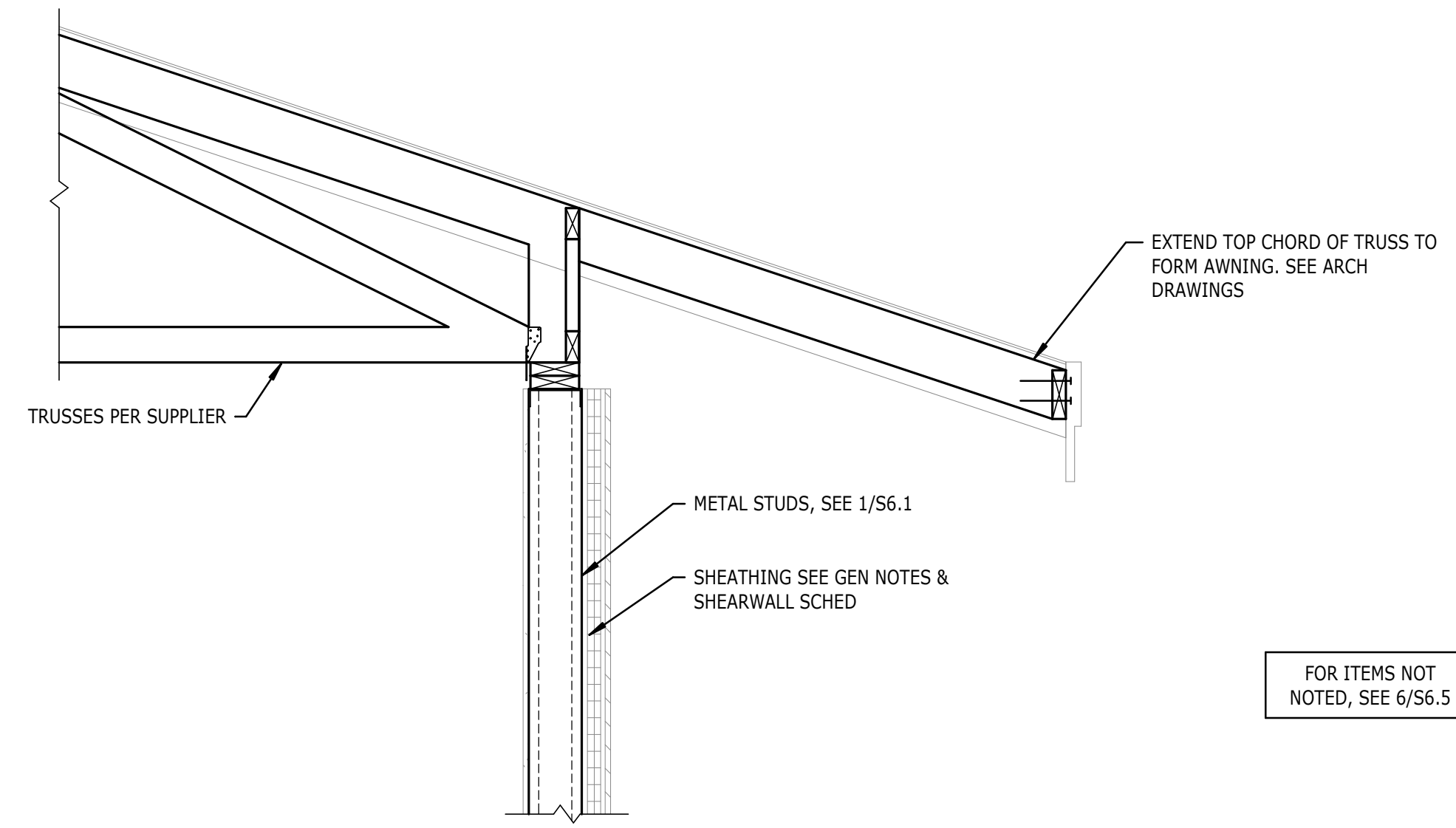
GENERAL NOTE:
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Revisions	Description	Date

Date	Project No.
2/12/2024	22042
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VNA	S6.5
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Sheet Title
ROOF DETAILS

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1
SECTION
S6.6
3/4" = 1'-0"



02/12/2024

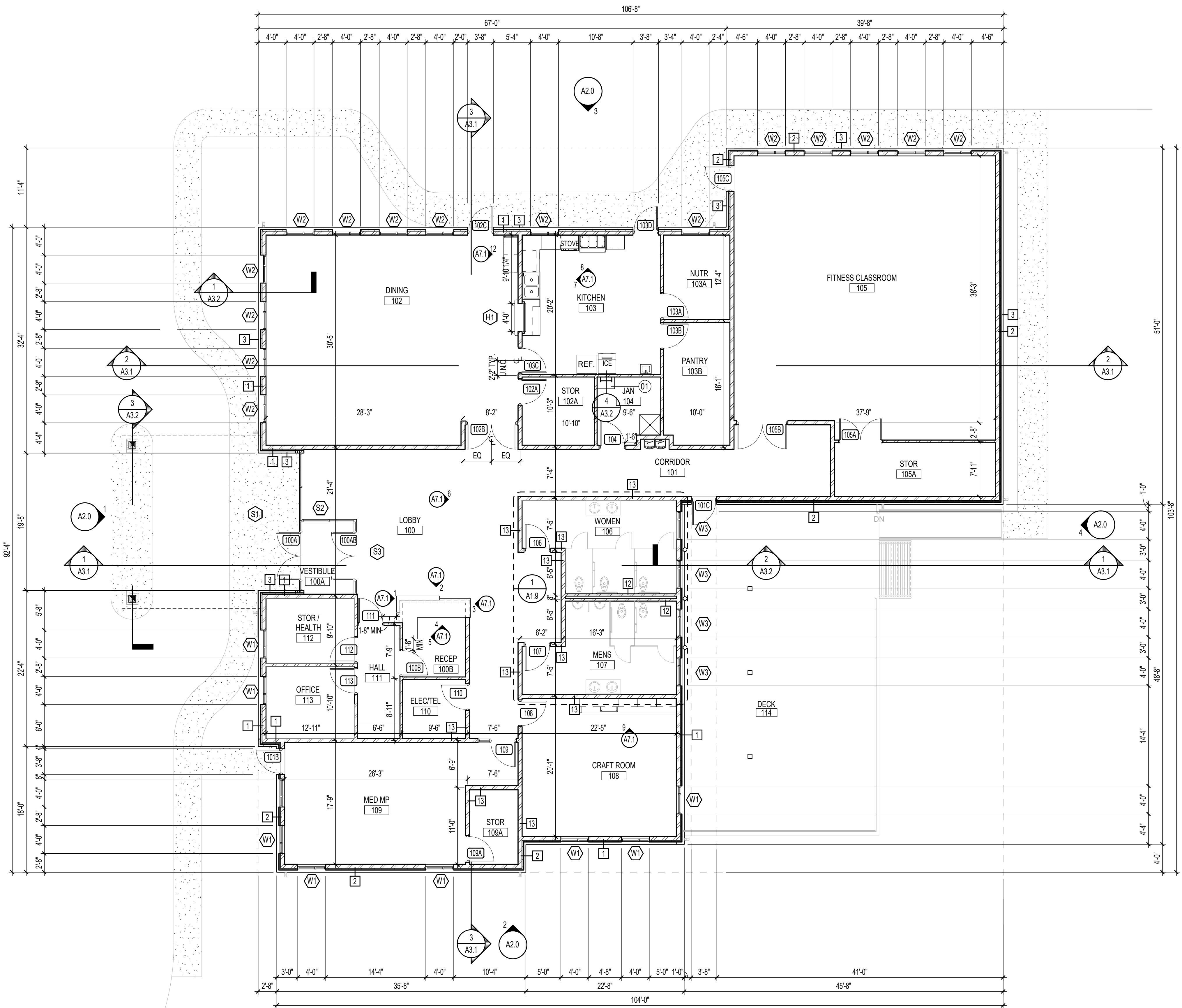
GENERAL NOTE:
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Revisions		
Δ	Description	Date

Date	Project No.
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FLOOR PLAN
1/8" = 1'-0"

WALL LEGEND

EXTERIOR HARDIE PANEL STUD WALL - VERTICAL SIDING			EXTERIOR HARDIE PANEL STUD WALL - HORIZONTAL SIDING		
MARK	PLAN VIEW	REMARKS	MARK	PLAN VIEW	REMARKS
1		TOP OF WALL = SEE WALL SECTION	2		TOP OF WALL = SEE WALL SECTION
<p>9 1/4" 6"</p> <p>HARDIE V-GROOVE VERTICAL SIDING, PAINTED</p> <p>HORIZ. HAT CHANNEL OVER</p> <p>VERTICAL STRAPPING AT 16" O.C. SEE WALL SECTIONS.</p> <p>FLUID APPLIED WATERPROOFING, FULL HEIGHT, TYP.</p> <p>1 1/2" CONTINUOUS RIGID INSULATION</p> <p>5/8" GLASS MAT SHEATHING, TYP.</p> <p>R-19 FIBERGLASS BATT INSULATION</p> <p>6" STEEL STUDS AT 16" O.C.</p> <p>5/8" GYPSUM BOARD, FULL HEIGHT TO UNDERSIDE OF ROOF</p>			<p>9 1/4" 6"</p> <p>HARDIE V-GROOVE HORIZ. SIDING OR APPROVED EQUAL, PAINTED</p> <p>VERTICAL HAT CHANNEL OVER</p> <p>HORIZ. STRAPPING AT 16" O.C. SEE WALL SECTIONS.</p> <p>FLUID APPLIED WATERPROOFING, FULL HEIGHT, TYP.</p> <p>1 1/2" CONTINUOUS RIGID INSULATION</p> <p>5/8" GLASS MAT SHEATHING, TYP.</p> <p>R-19 FIBERGLASS BATT INSULATION</p> <p>6" STEEL STUDS AT 16" O.C.</p> <p>5/8" GYPSUM BOARD, FULL HEIGHT TO UNDERSIDE OF ROOF</p>		
<p>EXTERIOR STONE VENEER ON METAL STUD</p>			<p>EXTERIOR STONE VENEER MASONRY STEM WALL</p>		
3		TOP OF WALL = 3'-0" A.F.F.	4		TOP OF WALL = 0'-0". SEE WALL SECTIONS
<p>1'-11" 7" 6"</p> <p>MASONRY FULL-DEPTH STONE VENEER, 8" BELOW GRADE MIN. TYP.</p> <p>FLUID APPLIED WATERPROOFING, FULL HEIGHT, TYP.</p> <p>MASONRY ANCHORS @ 16" O.C., TYP.</p> <p>1 1/2" CONTINUOUS RIGID INSULATION</p> <p>5/8" GLASS MAT SHEATHING</p> <p>R-19 FIBERGLASS BATT INSULATION</p> <p>6" STEEL STUDS AT 16" O.C.</p> <p>5/8" GYPSUM BOARD, TO UNDERSIDE OF TRUSSES</p>			<p>1'-2 5/8" 7" 7 5/8"</p> <p>MASONRY FULL-DEPTH STONE VENEER, 8" BELOW GRADE MIN. TYP.</p> <p>R-15 STARTING AT SLAB EDGE TO FOOTING OR FOR 24", TYP.</p> <p>MASONRY ANCHORS</p> <p>FILL SOLID BELOW FF, TYP.</p> <p>NOM. 4" CMU, FILLED SOLID, SEE SECTIONS</p> <p>THICKENED SLAB EDGE, SEE STRUCTURAL.</p> <p>NOM. 8" CMU, SEE SECTIONS AND STRUCTURAL</p> <p>FLUID APPLIED WATERPROOFING FULL HEIGHT, TYP.</p>		
<p>INTERIOR STUD WALL - 3 5/8"</p>			<p>INTERIOR STUD WALL - 6"</p>		
5		TOP OF WALL = TIGHT TO TRUSSES	6		TOP OF WALL = TIGHT TO TRUSSES
<p>3 5/8"</p> <p>5/8" GYPSUM BOARD FULL HEIGHT EACH SIDE</p> <p>SOUND BATT INSULATION FULL HEIGHT</p> <p>3 5/8" 20 GA STEEL STUDS AT 16" O.C. WITH HORIZONTAL BRIDGING AT 48" O.C.</p>			<p>6"</p> <p>5/8" GYPSUM BOARD FULL HEIGHT EACH SIDE</p> <p>SOUND BATT INSULATION FULL HEIGHT</p> <p>6" 20 GA STEEL STUDS AT 16" O.C. WITH HORIZONTAL BRIDGING AT 48" O.C.</p>		
<p>INTERIOR CHASE STUD WALL - 3 5/8"</p>			<p>INTERIOR CHASE STUD WALL - 3 5/8"</p>		
7		TOP OF WALL = TIGHT TO TRUSSES			
<p>3 5/8"</p> <p>5/8" GYPSUM BOARD FULL HEIGHT</p> <p>NO GYPSUM BOARD ON CHASE SIDE OF WALL</p> <p>SOUND BATT INSULATION FULL HEIGHT</p> <p>3 5/8" 20 GA STEEL STUDS AT 16" O.C. WITH HORIZONTAL BRIDGING AT 48" O.C.</p>					

GENERAL FLOOR PLAN NOTES

- DIMENSIONS ON THIS PLAN ARE FROM:
 - OUTSIDE FACE OF STONE VENEER TO OUTSIDE FACE OF STONE VENEER ON EXTERIOR WALLS, TYPICAL UNLESS NOTED OTHERWISE.
 - EXTERIOR FACE OF STUD TO EXTERIOR FACE OF STUD WHEN NOTATED (EFOS).
 - OUTSIDE FACE OF CMU BLOCK TO OUTSIDE FACE OF CMU FOR STEM WALL PLAN DIMENSIONS.
 - INTERIOR FACE OF STUD (IFOS) ON EXTERIOR WALLS FOR INTERIOR DIMENSIONS.
 - CENTERLINE OF STUDS FOR INTERIOR STUD WALLS.
 - OUTSIDE FACE OF FLOOR WHERE APPLICABLE.
- PROVIDE BRACING BACK TO STRUCTURE FOR INTERIOR WALLS, TYPICAL.
- ALL DRYWALL SHALL BE 5/8" AND SHALL EXTEND 4" MINIMUM ABOVE FINISH CEILING (U.N.O.)
- INSTALL SOUND ATTENUATION BATT INSULATION FULL HEIGHT IN ALL INTERIOR STUD FRAMED WALLS.
- INSTALL SOUND ATTENUATION BATT INSULATION 4" WIDE AROUND CEILING PERIMETER OF ALL ROOMS WITH SOUND BATT IN WALLS.
- VERIFY ALL DIMENSIONS AND SIZES PRIOR TO CONSTRUCTION.
- SCHEDULE AND COORDINATE ALL INSPECTIONS REQUIRED.
- OBTAIN ALL PERMITS REQUIRED.
- COORDINATE ALL SCHEDULES WITH THE OWNER PRIOR TO CONSTRUCTION.
- REFER TO STRUCTURAL PLANS FOR ALL STRUCTURAL HEADERS.
- SEE DOOR AND WINDOW SCHEDULES FOR ALL DOOR AND WINDOW SIZES.

FLOOR PLAN KEYNOTES #

#	Note Text
01	ATTIC ACCESS LADDER PER NBC 1209.2
02	CANOPY O.H., SEE SECTIONS AND ROOF PLAN, ALTERNATE G-1.
03	NOM. 8" x 8" PT COLUMN ALIGNED WITH GIRDER LINE BENEATH DECK, TYP. SEE STRUCTURAL. WRAP W/ 5/4" FINISH GRADE WESTERN RED CEDAR NO. 2 FINISH TO MATCH BACK RAILING POSTS, SEE DETAIL. ALTERNATE G-1.
04	SIDEWALK, SEE CIVIL
05	CONTINUOUS GUARDRAIL, SEE DETAILS
06	CONTINUOUS HANDRAIL, SEE DETAILS

OAKLEY COLLIER ARCHITECTS
OCA ARCHITECTS

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GRANVILLE COUNTY
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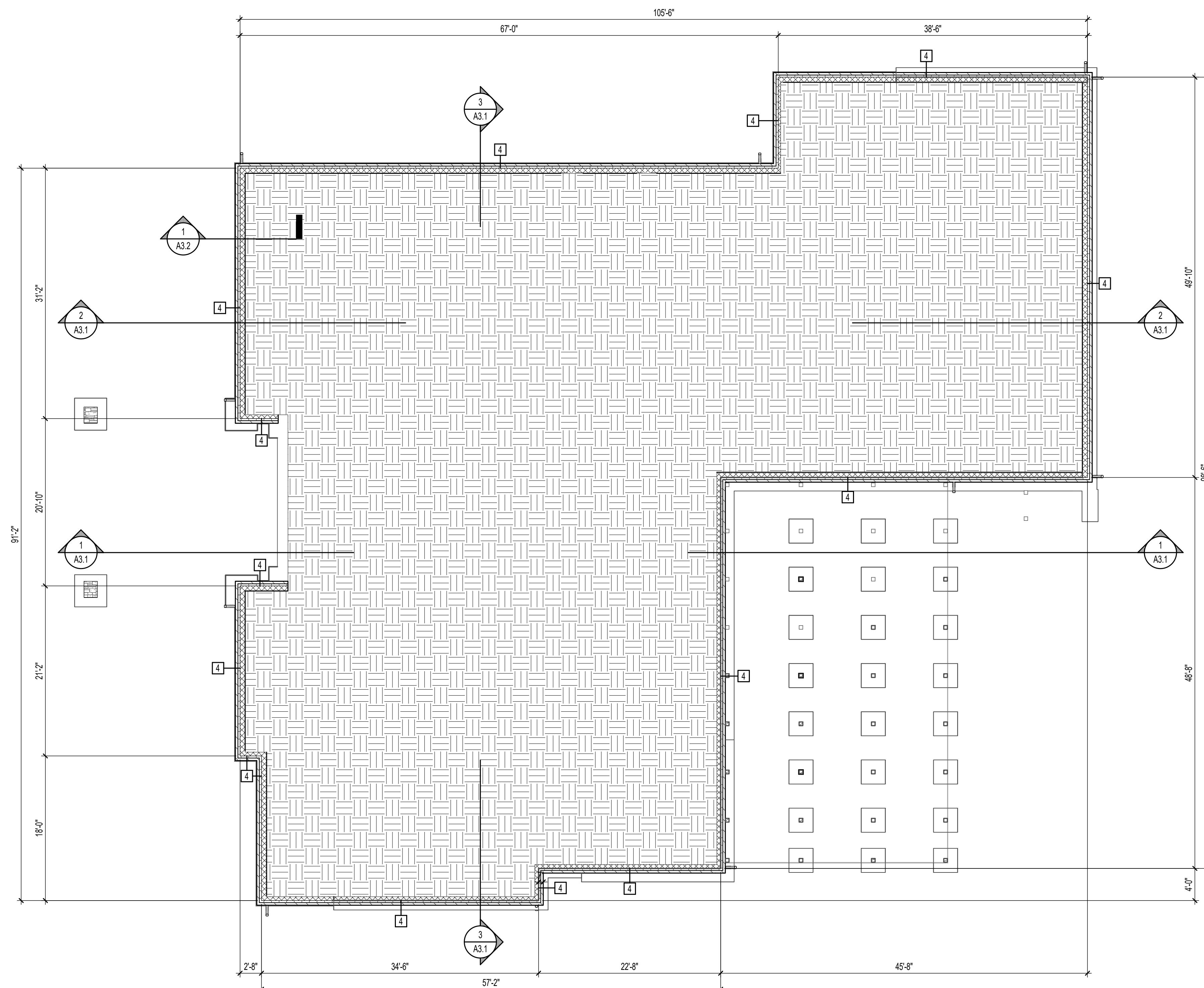


GENERAL NOTE:
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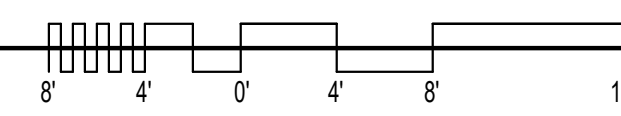
Revisions	Description	Date

Date: FEB 12 2024
Project No: **22042**
Drawn By: TW
Checked By: DG
Sheet No: **A1.1**
Sheet Title: **FIRST FLOOR PLAN**

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2
A1.2 STEM WALL
1/8" = 1'-0"

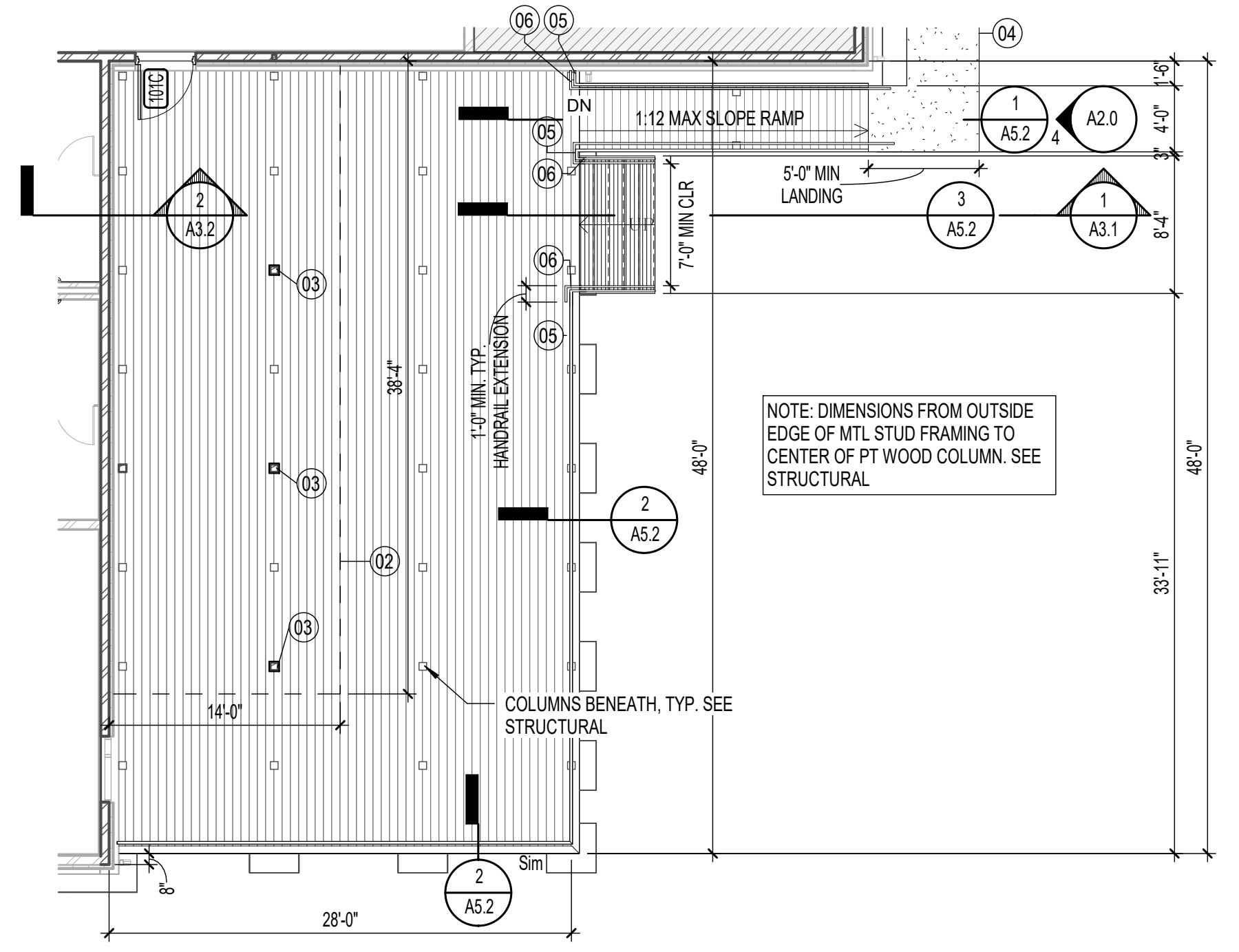


GENERAL FLOOR PLAN NOTES

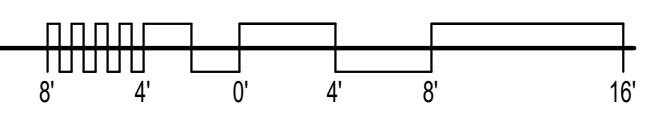
1. DIMENSIONS ON THIS PLAN ARE FROM:
 - A. OUTSIDE FACE OF STONE VENEER TO OUTSIDE FACE OF STONE VENEER ON EXTERIOR WALLS, TYPICAL UNLESS NOTED OTHERWISE.
 - B. EXTERIOR FACE OF STUD TO EXTERIOR FACE OF STUD WHEN NOTATED (EFOS).
 - C. OUTSIDE FACE OF CMU BLOCK TO OUTSIDE FACE OF CMU FOR STEM WALL PLAN DIMENSIONS.
 - D. INTERIOR FACE OF STUD (FOS) ON EXTERIOR WALLS FOR INTERIOR DIMENSIONS.
 - E. CENTERLINE OF STUDS FOR INTERIOR STUD WALLS.
 - F. OUTSIDE FACE OF FLOOR WHERE APPLICABLE.
2. PROVIDE BRACING BACK TO STRUCTURE FOR INTERIOR WALLS, TYPICAL.
3. ALL DRYWALL SHALL BE 5/8" AND SHALL EXTEND 4" MINIMUM ABOVE FINISH CEILING (U.N.O.)
4. INSTALL SOUND ATTENUATION BATT INSULATION FULL HEIGHT IN ALL INTERIOR STUD FRAMED WALLS.
5. INSTALL SOUND ATTENUATION BATT INSULATION 4" WIDE AROUND CEILING PERIMETER OF ALL ROOMS WITH SOUND BATT IN WALLS.
6. VERIFY ALL DIMENSIONS AND SIZES PRIOR TO CONSTRUCTION.
7. SCHEDULE AND COORDINATE ALL INSPECTIONS REQUIRED.
8. OBTAIN ALL PERMITS REQUIRED.
9. COORDINATE ALL SCHEDULES WITH THE OWNER PRIOR TO CONSTRUCTION.
10. REFER TO STRUCTURAL PLANS FOR ALL STRUCTURAL HEADERS.
11. SEE DOOR AND WINDOW SCHEDULES FOR ALL DOOR AND WINDOW SIZES.

FLOOR PLAN KEYNOTES

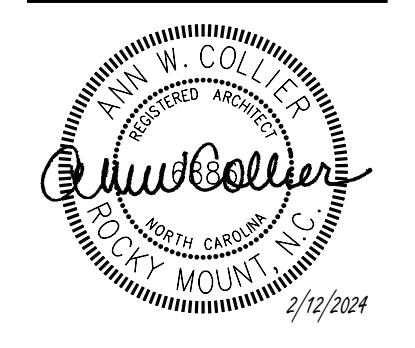
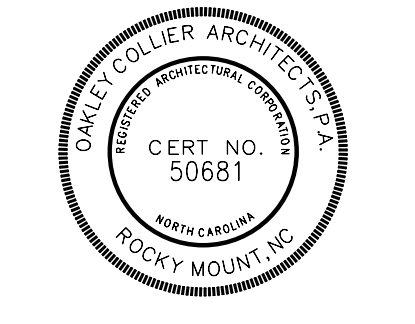
#	Note Text
01	ATTIC ACCESS LADDER PER NBC 1209.2
02	CANOPY O.H., SEE SECTIONS AND ROOF PLAN, ALTERNATE G-1.
03	NOM. 8" x 8" PT COLUMN ALIGNED WITH GIRDER LINE BENEATH DECK, TYP. SEE STRUCTURAL. WRAP W/ 5/4" FINISH GRADE WESTERN RED CEDAR NO. 2. FINISH TO MATCH BACK RAILING POSTS, SEE DETAIL. ALTERNATE G-1.
04	SIDEWALK, SEE CIVIL
05	CONTINUOUS GUARDRAIL, SEE DETAILS
06	CONTINUOUS HANDRAIL, SEE DETAILS



1
A1.2 OUTDOOR DECK PLAN
1/8" = 1'-0"



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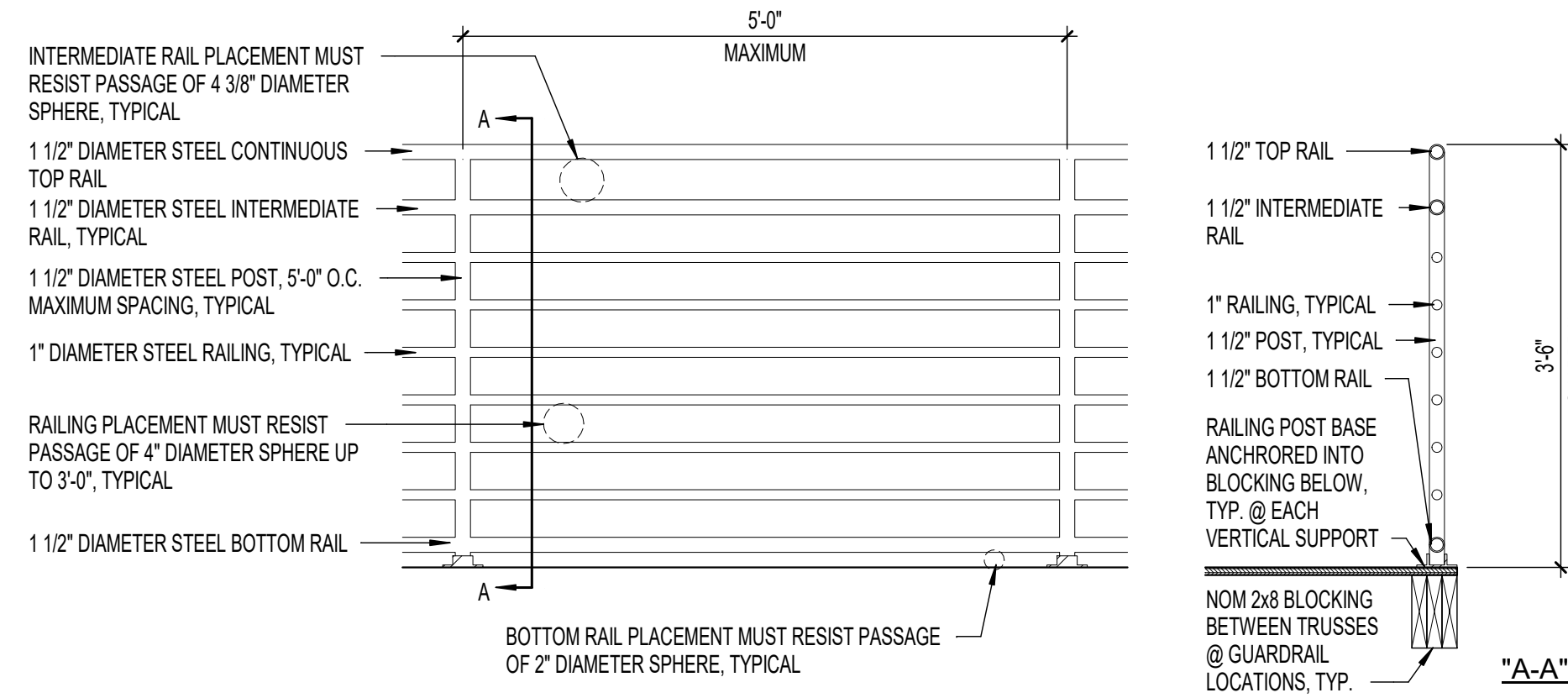


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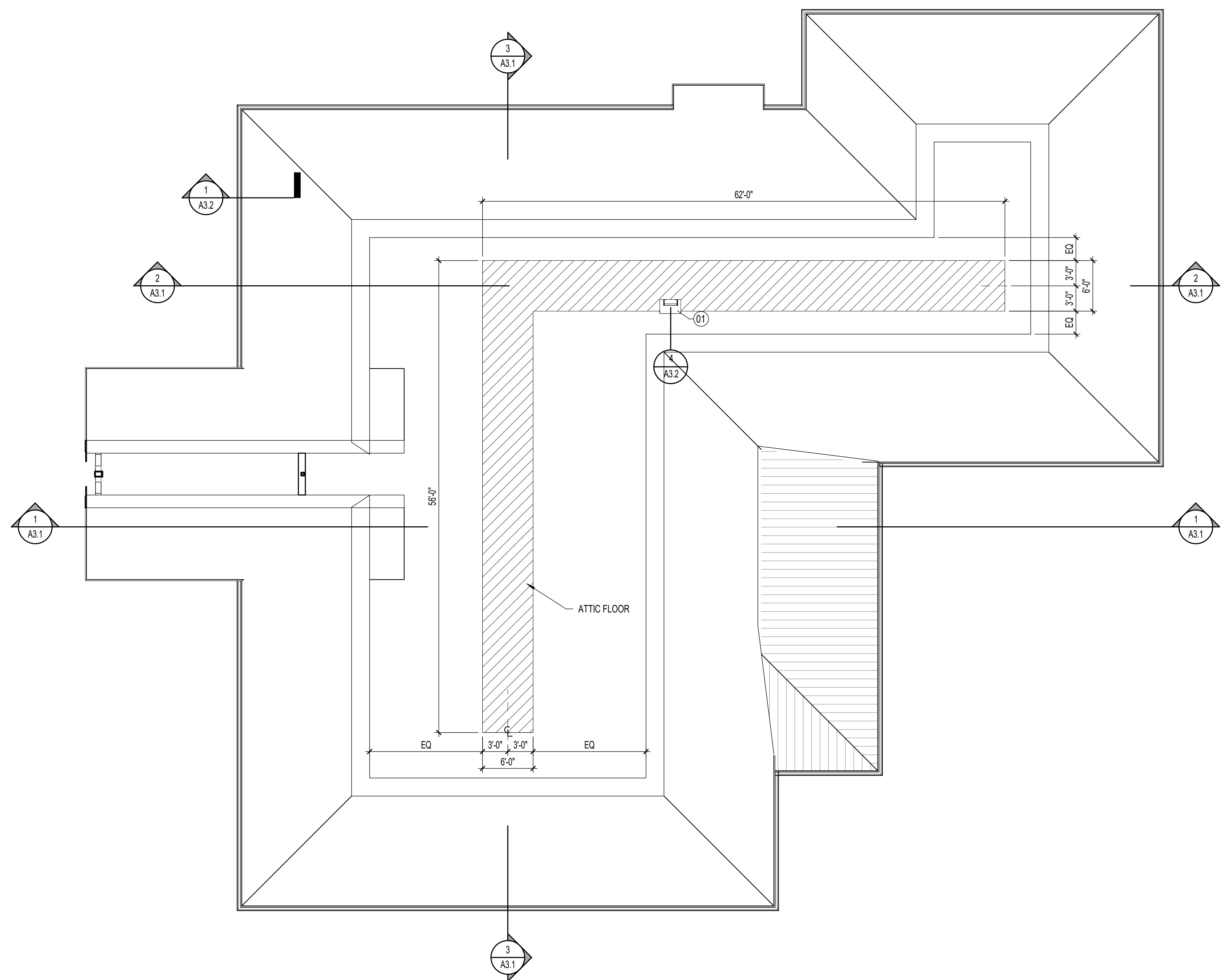
Revisions	Description	Date

Date	Project No.
FEB 12 2024	22042
Drawn By	Sheet No.
TW	A1.2
Checked By	
DG	
Sheet Title	
STEM WALL & DECK PLANS	

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2 ATTIC GUARDRAIL
 3/4" = 1'-0"



1 ATTIC PLAN
 1/8" = 1'-0"

GENERAL FLOOR PLAN NOTES

- DIMENSIONS ON THIS PLAN ARE FROM:
 - OUTSIDE FACE OF STONE VENEER TO OUTSIDE FACE OF STONE VENEER ON EXTERIOR WALLS, TYPICAL UNLESS NOTED OTHERWISE.
 - EXTERIOR FACE OF STUD TO EXTERIOR FACE OF STUD WHEN NOTATED (EFOS).
 - OUTSIDE FACE OF CMU BLOCK TO OUTSIDE FACE OF CMU FOR STEM WALL PLAN DIMENSIONS.
 - INTERIOR FACE OF STUD (IFOS) ON EXTERIOR WALLS FOR INTERIOR DIMENSIONS.
 - CENTERLINE OF STUDS FOR INTERIOR STUD WALLS.
 - OUTSIDE FACE OF FLOOR WHERE APPLICABLE.
- PROVIDE BRACING BACK TO STRUCTURE FOR INTERIOR WALLS, TYPICAL.
- ALL DRYWALL SHALL BE 5/8" AND SHALL EXTEND 4" MINIMUM ABOVE FINISH CEILING (U.N.O.)
- INSTALL SOUND ATTENUATION BATT INSULATION FULL HEIGHT IN ALL INTERIOR STUD FRAMED WALLS.
- INSTALL SOUND ATTENUATION BATT INSULATION 4" WIDE AROUND CEILING PERIMETER OF ALL ROOMS WITH SOUND BATT IN WALLS.
- VERIFY ALL DIMENSIONS AND SIZES PRIOR TO CONSTRUCTION.
- SCHEDULE AND COORDINATE ALL INSPECTIONS REQUIRED.
- OBTAIN ALL PERMITS REQUIRED.
- COORDINATE ALL SCHEDULES WITH THE OWNER PRIOR TO CONSTRUCTION.
- REFER TO STRUCTURAL PLANS FOR ALL STRUCTURAL HEADERS.
- SEE DOOR AND WINDOW SCHEDULES FOR ALL DOOR AND WINDOW SIZES.

ATTIC LEGEND

- 3/4" PLYWOOD WALKPLATFORM ATTACHED TO TOP OF TRUSS BOTTOM CHORD. VERIFY LOCATION AND EXTENTS WITH MECHANICAL AND TRUSS CONFIGURATION.

NOTES:
 1. GUARDRAIL TO BE PROVIDED ALONG PLYWOOD FLOOR EDGE AT ANY LOCATION THAT IS LOCATED MORE THAN 30" VERTICALLY TO FLOOR BELOW AT ANY POINT WITHIN 36" HORIZONTALLY TO THE EDGE OF THE OPEN SIDE, TYP.

FLOOR PLAN KEYNOTES

#	Note Text
01	ATTIC ACCESS LADDER PER NBC 1209.2
02	CANOPY O.H., SEE SECTIONS AND ROOF PLAN, ALTERNATE G-1.
03	NOM. 8" x 8" PT COLUMN ALIGNED WITH GIRDER LINE BENEATH DECK, TYP. SEE STRUCTURAL. WRAP W/ 5/4" FINISH GRADE WESTERN RED CEDAR NO. 2. FINISH TO MATCH BACK RAILING POSTS, SEE DETAIL, ALTERNATE G-1.
04	SIDEWALK, SEE CIVIL
05	CONTINUOUS GUARDRAIL, SEE DETAILS
06	CONTINUOUS HANDRAIL, SEE DETAILS



109 Candlenwood Road, Rocky Mount, NC 27804 (P) 252.937.2500
 303 W. Martin Street, Raleigh, NC 27601

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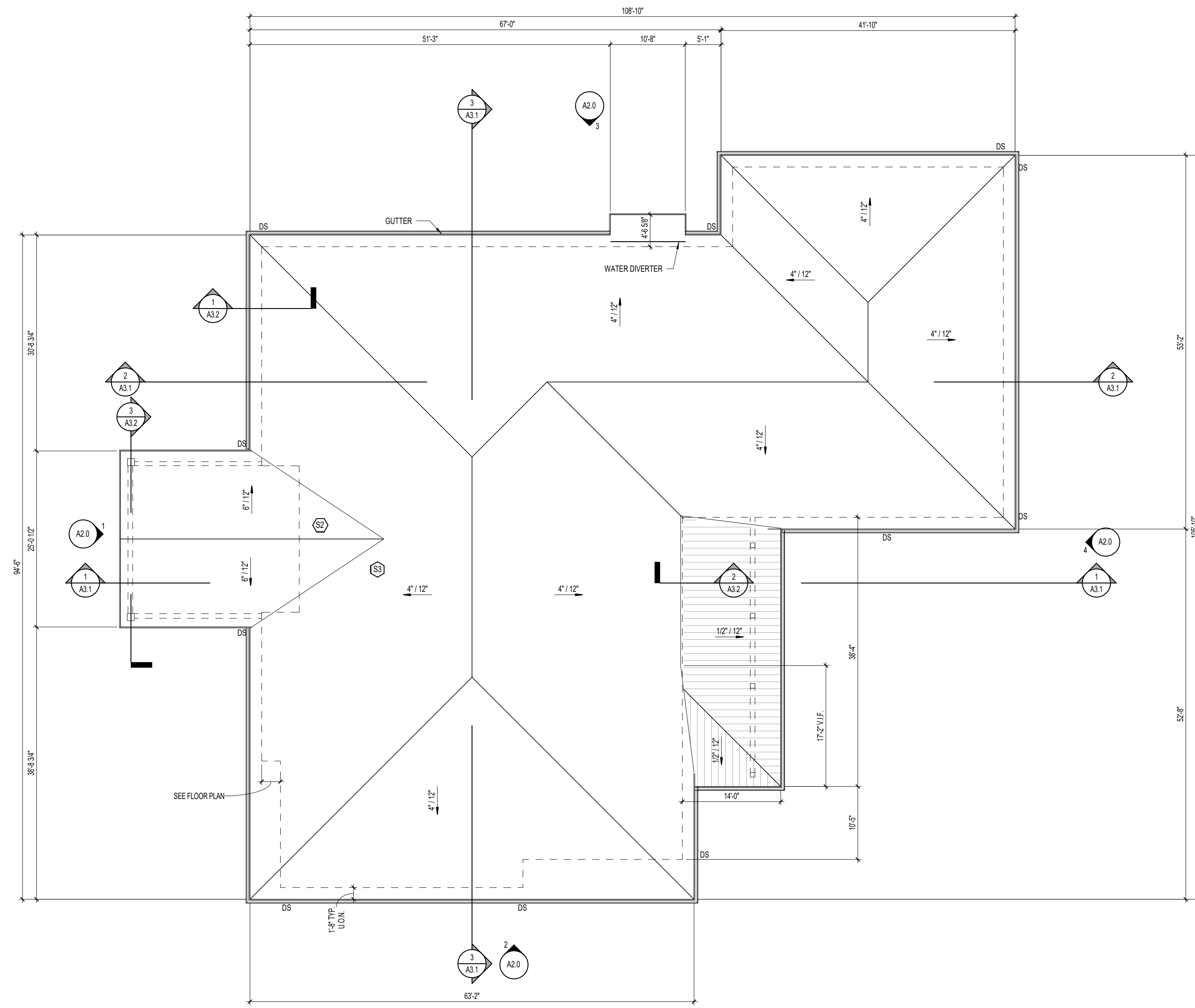
GENERAL NOTE:
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#	Description Date

Date	Project No.
FEB 12 2024	22042
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DG	

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 ATTIC PLAN

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1
A1.4 ROOF PLAN
1/8" = 1'-0"

ROOF LEGEND

X' / 12" INDICATES DIRECTION AND AMOUNT OF ROOF SLOPE ACHIEVED THRU STRUCTURE

DS DOWNSPOUT, SEE DETAILS & ELEVATIONS

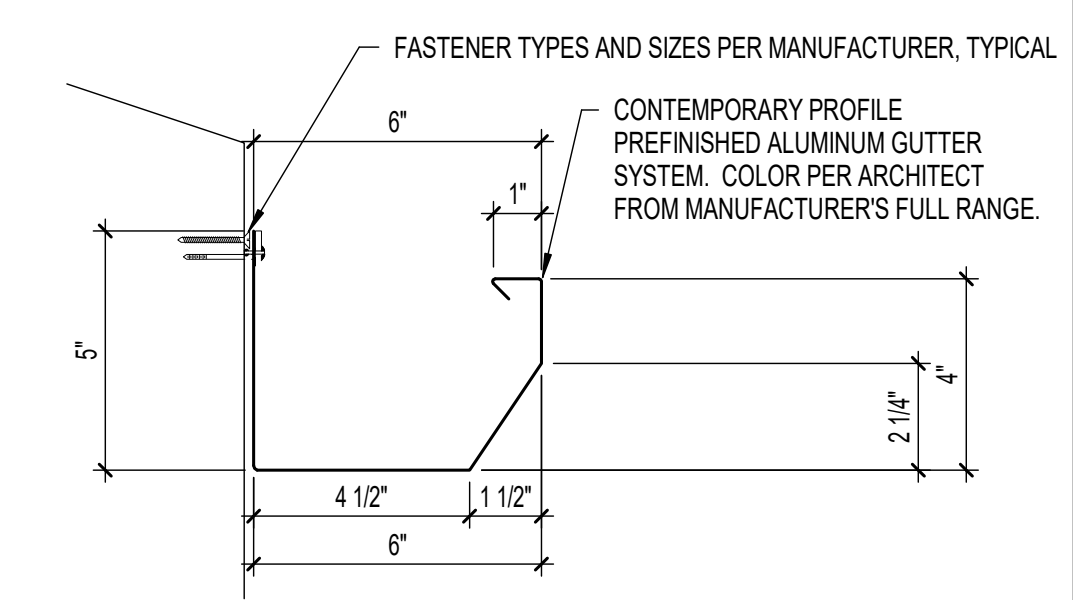
[Symbol] ASPHALT SHINGLE ROOF, SEE DETAILS

[Symbol] STANDING SEAM METAL ROOF, SEE DETAILS

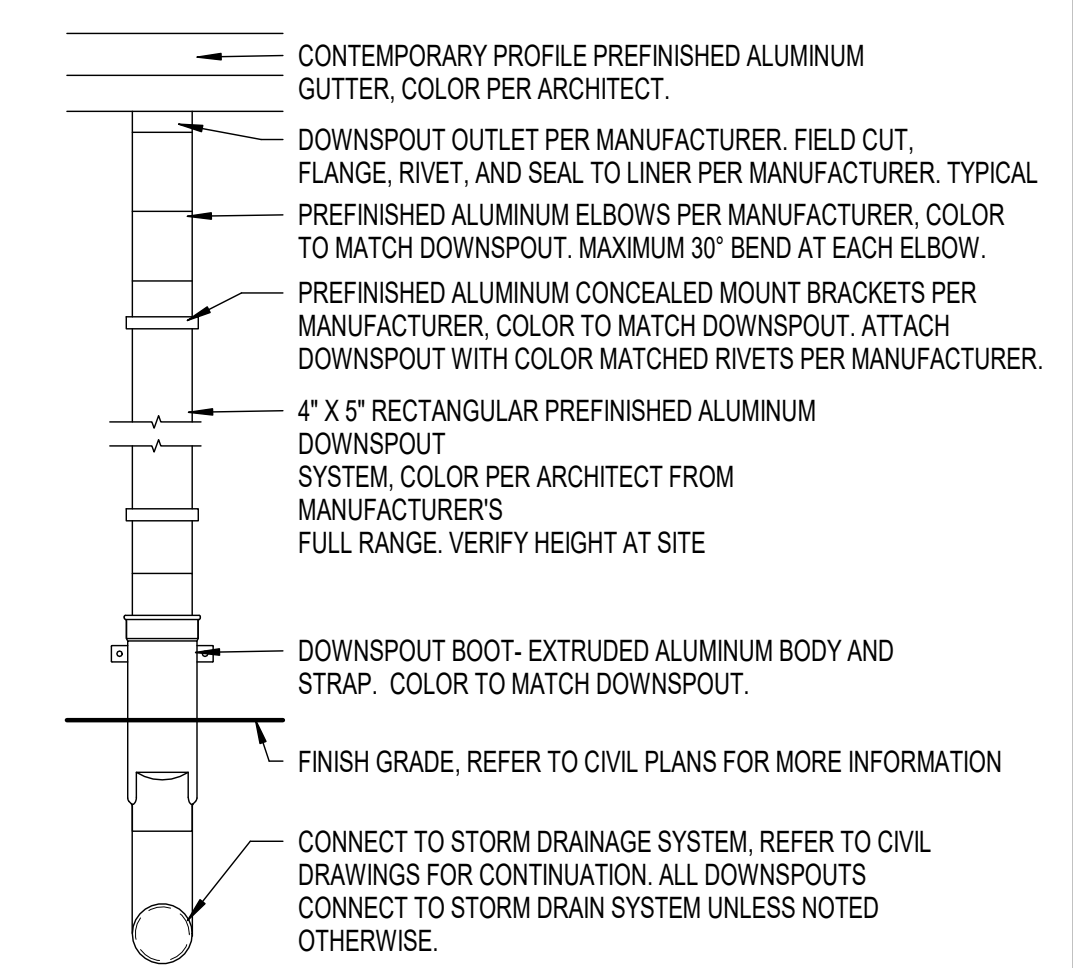
[Symbol] OUTSIDE EDGE OF SHEATHING OR STRUCTURAL MEMBERS BELOW

GENERAL ROOF NOTES

- DIMENSIONS ON THIS PLAN ARE FROM:
 - OUTSIDE FACE OF STUD TO OUTSIDE FACE OF SUBFASCIA AT OVERHANGS. SEE TYP. OVERHANG DETAIL.
 - OUTSIDE EDGE OF SUBFASCIA TO OUTSIDE EDGE OF SUBFASCIA AT ROOF EDGE.
- GUTTER AND DOWNSPOUTS SHALL BE FURNISHED AND INSTALLED BY ROOFING CONTRACTOR.
- CONTRACTOR SHALL COORDINATE ALL ROOF MOUNTED EQUIPMENT AND PENETRATIONS REQUIRED AND MAKE ALL NECESSARY PROVISIONS FOR SAME.
- GUTTERS, DOWNSPOUTS AND COMPONENTS SHALL BE PREFINISHED ALUMINUM COLOR - PER ARCHITECT.
- ALL DOWNSPOUTS SHALL TURN INTO STORM DRAIN. REFER TO FLOOR PLAN MORE INFORMATION.
- ALL ROOF MOUNTED ITEMS SHALL BE PAINTED, CLEAN PREPARE AND PRIME SURFACES AS REQUIRED - COLOR PER ARCHITECT.
- FURNISH AND INSTALL 36" WIDE X LENGTH REQUIRED SELF ADHERED ICE AND WATER SHIELD ROOFING UNDERLAYMENT AT ALL EDGES, RIDGES, HIPS, AND VALLEYS.



3
A1.4 GUTTER DETAIL
3" = 1'-0"



2
A1.4 TYP. DOWNSPOUT
3/4" = 1'-0"

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303 W. Martin Street, Raleigh, NC 27601

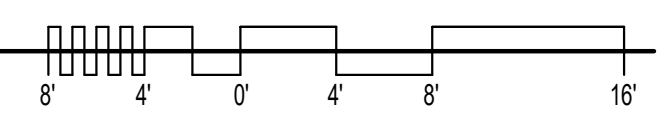
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**NORTH GRANVILLE COUNTY
SENIOR CENTER**
GRANVILLE COUNTY
303 OXFORD ST., STOVALL, NC 27582



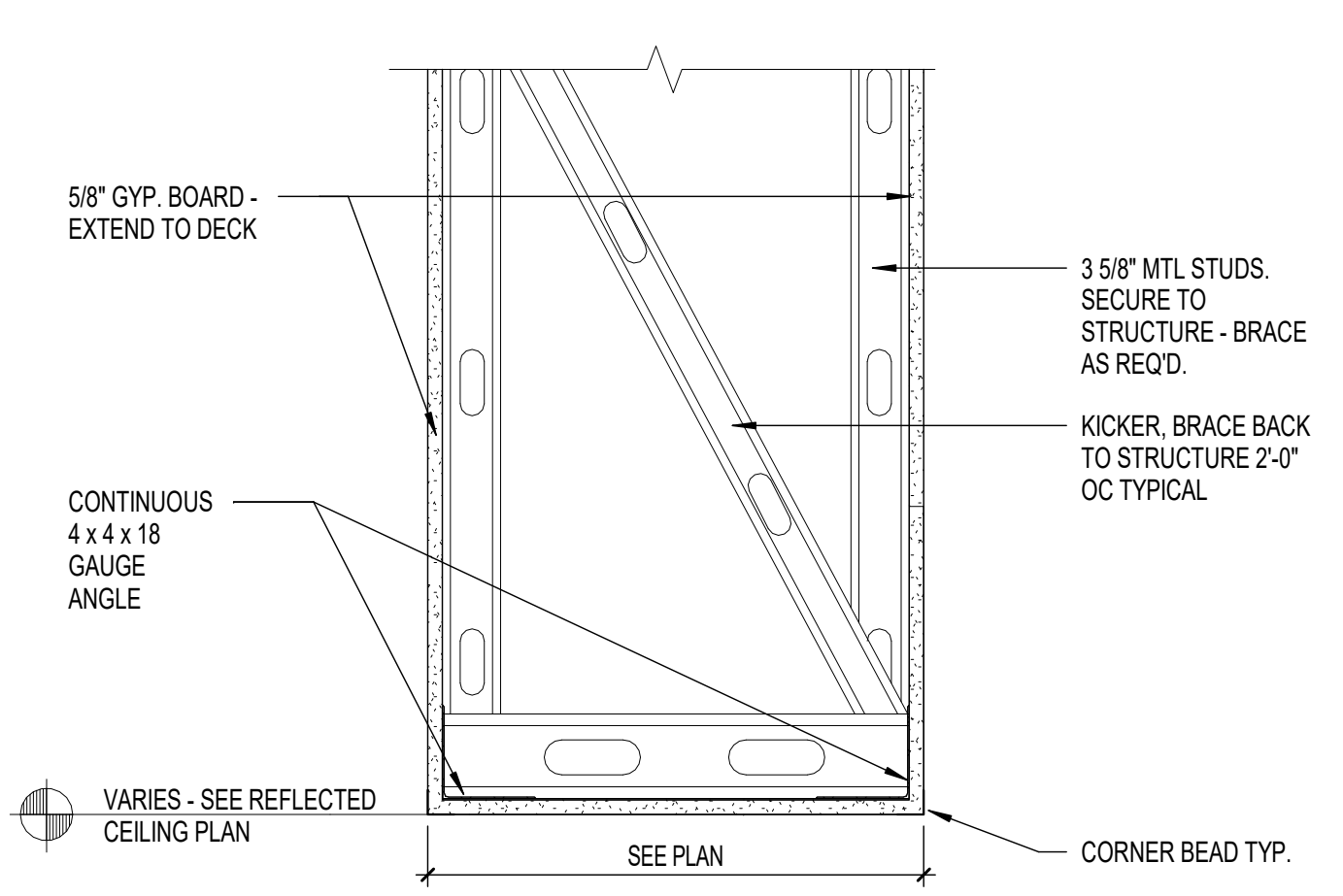
GENERAL NOTE:
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#	Description Date

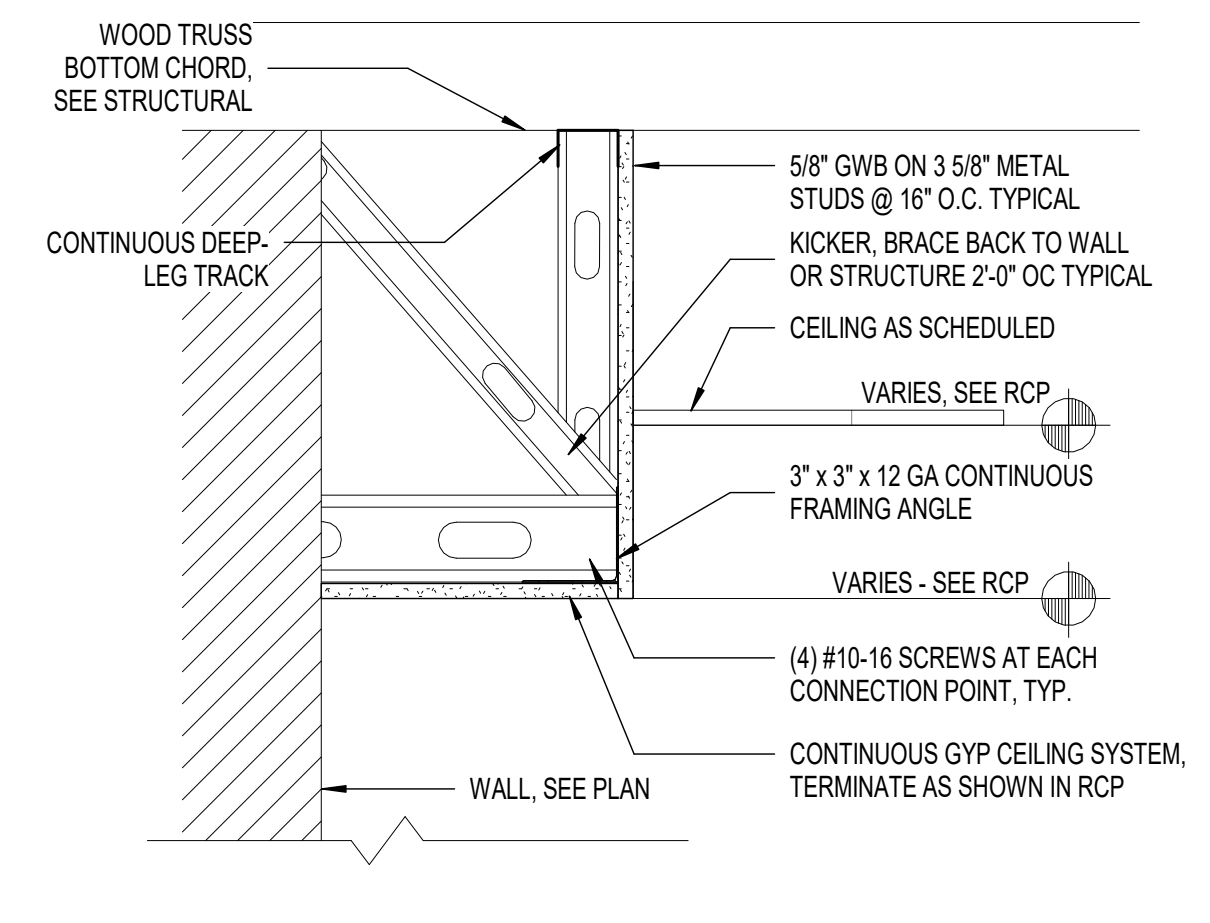
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DG	
Sheet Title	
ROOF PLAN	



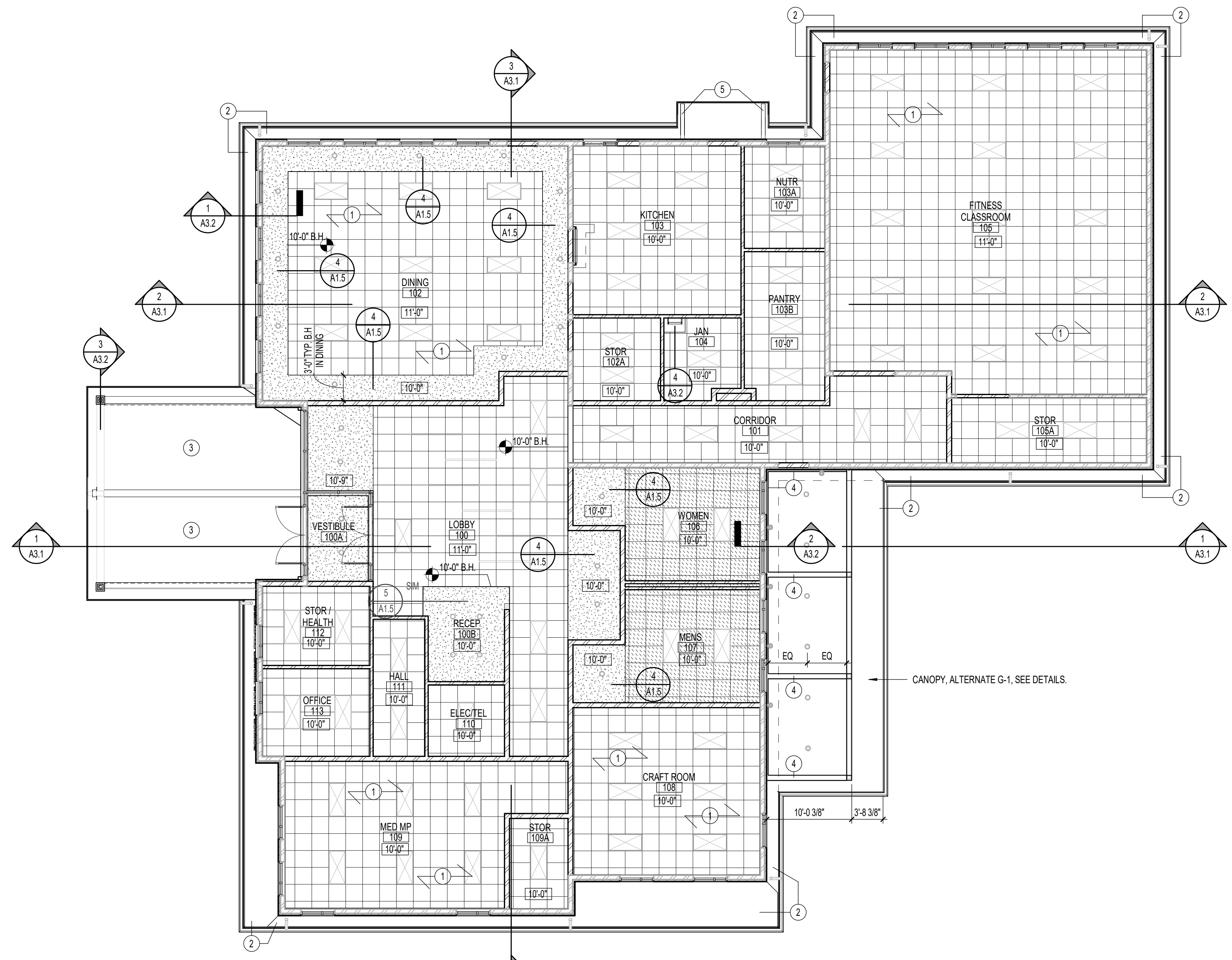
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5 BULKHEAD DETAIL : EXP. CLG. AREA
A1.5 1 1/2" = 1'-0"



4 TYP GYP CONTINUOUS BULKHEAD
A1.5 1 1/2" = 1'-0"



1 REFLECTED CEILING PLAN
A1.5 1/8" = 1'-0"

LEGEND

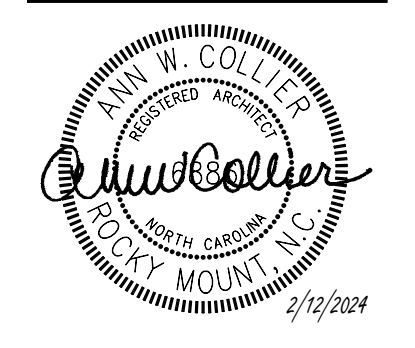
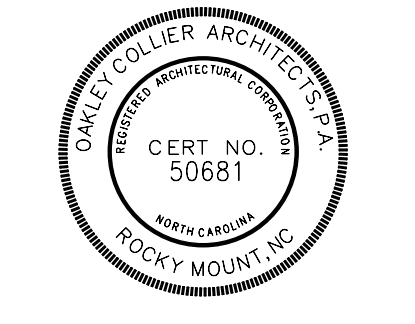
- 2X2 LAY-IN CEILING SYSTEM
- 2X2 LAY-IN CEILING SYSTEM (VINYL COATED) TYP IN WET LOCATIONS
- 5/8" GYPSUM BOARD
- EXISTING CEILING TO REMAIN, MINOR CEILING MOUNTED EQUIPMENT ADJUSTMENTS MAY BE REQUIRED.
- CEILING HEIGHT KEY
- 1 x 4 LIGHT FIXTURE
- LED LIGHTING FIXTURE, SEE ELECTRICAL
- 8' BAR LIGHT FIXTURE
- HIGH BAY LED LIGHTING FIXTURE
- CAN LIGHT FIXTURE
- LED VERTICAL PENDANT FIXTURE
- WALL MOUNTED TELEVISION

CEILING NOTES

- A. SEE MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION PLANS FOR FULL DESCRIPTION OF CEILING MOUNTED ITEMS/DEVICES
- B. ALL GRIDS ARE CENTERED IN A ROOM UNLESS NOTED OTHERWISE.
- C. REFER TO REFLECTED CEILING PLANS FOR CEILING HEIGHTS AND FINISH PLANS FOR CEILING TYPES.
- D. CONTRACTOR TO REVIEW LAYOUT AND NOTIFY ARCHITECT OF ACOUSTICAL CEILING PANELS THAT ARE LESS THAN 3" IN WIDTH OR LENGTH.
- E. ALL NEW LIGHT FIXTURES, EXIT SIGNS, SPRINKLER HEADS AND TERMINAL DEVICES TO BE CENTERED IN CEILING PANELS, UNLESS OTHERWISE INDICATED.
- F. NOT ALL MEP DEVICES ARE SHOWN IN CEILING PLANS, SEE MEP DRAWINGS FOR LOCATIONS AND QUANTITIES.
- G. FOR PENDANT MOUNTING HEIGHT REFER TO ELEVATIONS AND REFLECTED CEILING PLAN LEGEND

CEILING KEYNOTE

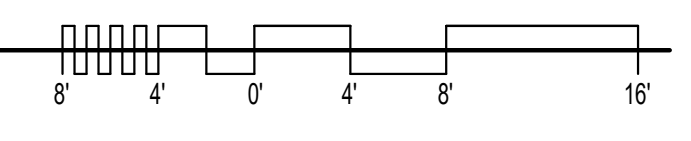
1. 5/8" GYP. BOARD UNDER BOTTOM CHORD OF TRUSS W/ LAYER OF TAPE AND SPACKLE TO INSIDE OF PERIMETER WALLS IN THIS ROOM.
2. HARDIE NON-VENTED SOFFIT PANEL OR APPROVED EQUAL, TYP., UNO. PAINT, COLOR PER ARCHITECT, TYP.
3. HARDIE NON-VENTED SOFFIT PANEL OR APPROVED EQUAL, ACCENT COLOR, PAINT, COLOR PER ARCHITECT.
4. NON-STRUCTURAL BEAMS AND SKIRT BOARD TO MATCH CANOPY FINISH BOARDS. ALTERNATE G-1. SEE DETAILS.
5. NOM. 2x BRACING MEMBERS WRAPPED IN 4/4 RED CEDAR. FINISH TO MATCH DROP-OFF TRUSS. SEE ELEVATIONS.



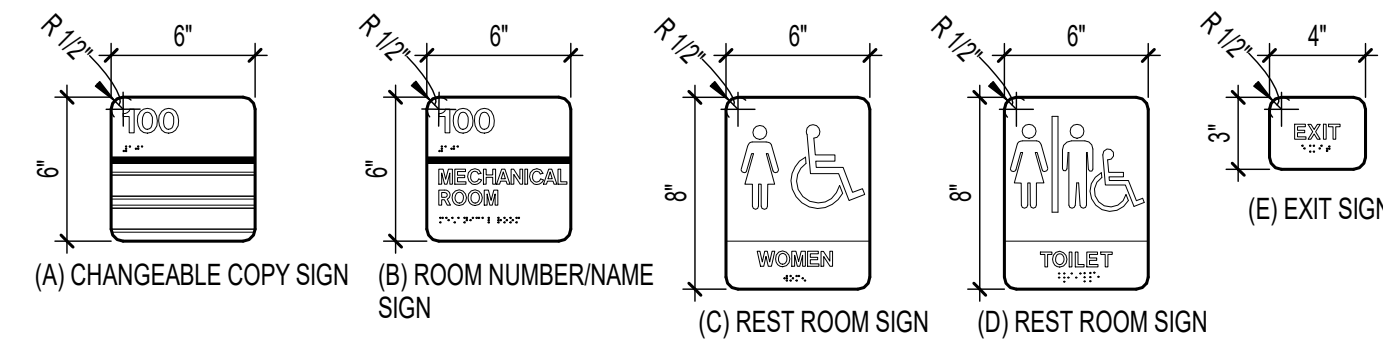
GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions		
#	Description	Date

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REFLECTED CEILING PLAN	



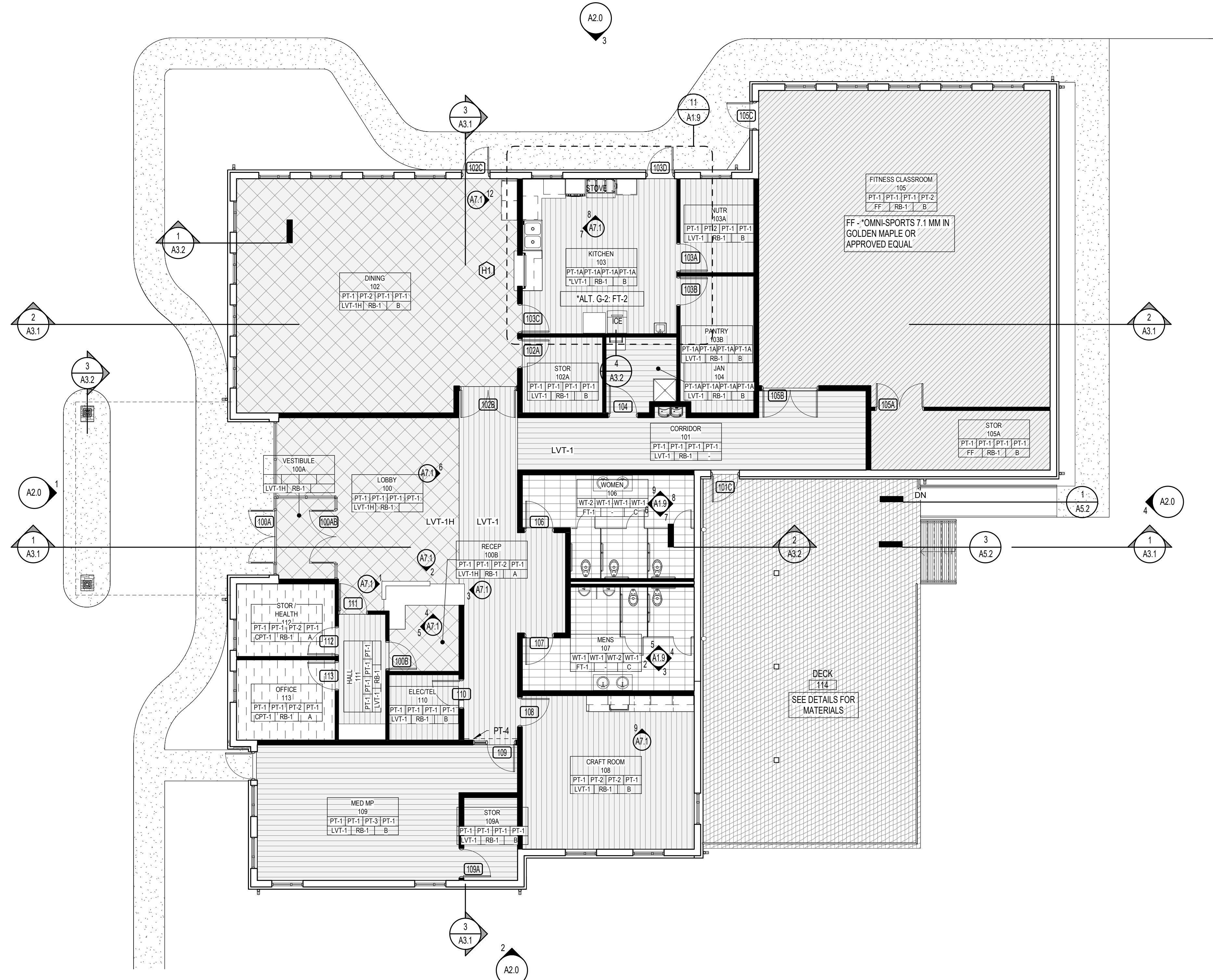
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- NOTES:**
1. ALL ROOMS AND ENTRANCES TO A ROOM UNLESS NOTED OTHERWISE SHALL HAVE ONE SIGN.
 2. SIGN TYPES INDICATED BY LETTER DESIGNATION, AS INDICATED, AND KEYED TO ROOM FINISH SCHEDULE.
 3. ALL TOILETS SHALL HAVE A RESTROOM SIGN.
 4. COORDINATE ROOM DESIGNATIONS AND NUMBERS WITH OWNER PRIOR TO ORDERING.
 5. ALL SIGNAGE SHALL COMPLY WITH ALL APPLICABLE CODES.
 6. CHANGEABLE COPY SIGNS SHALL HAVE TWO (2) LINES WITH NON-GLARE ACRYLIC FACES FOR OWNER INSERTS.
 7. ALL COMPONENTS COLORS SHALL BE AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE.
 8. ALL SIGNS SHALL BE LOCATED ON STRIKE SIDE OF DOOR AND SHALL BE 48 INCHES MINIMUM AND 60 INCHES MAXIMUM FROM FINISH FLOOR TO BASELINE OF ALL BRAILLE CELLS. A CLEAR SPACE OF 18X18 INCHES SHALL BE LOCATED IN FRONT OF THE SIGN, CENTERED ON THE RAISED TEXT.

2 INTERIOR SIGNAGE

A1.7 1 1/2" = 1'-0"



1 FINISH PLAN

A1.7 1/8" = 1'-0"

FINISH PLAN NOTES

1. ALL EXISTING HM DOOR AND WINDOW FRAMES TO RECEIVE NEW PAINT, COLOR PER ARCHITECT.
2. ALL EXISTING COVER PLATES FOR DEVICES TO BE REPLACED WITH ALL NEW SS COVER PLATES.
3. SEE INTERIOR ELEVATIONS FOR FULL EXTENT OF WALL FINISHES AS KEVED IN PLANS.
4. VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO INSTALLATION OF FINISHES.
5. TS = FURNISH AND INSTALL TRANSITION STRIP AT ALL FLOOR MATERIAL CHANGES AS SHOWN OR AS REQUIRED.
6. HEIGHT AND PROFILE OF ALL TRANSITIONS STRIPS SHALL COMPLY WITH HANDICAP CODE.
7. COLOR FOR ALL TRANSITION STRIPS SHALL BE AS SELECTED BY OWNER FROM MANUFACTURER'S FULL RANGE.
8. COORDINATE LOCATION OF ALL TRANSITION STRIPS WITH EXISTING AND NEW CONDITIONS, WHERE POSSIBLE, LOCATE TRANSITION STRIPS UNDER DOOR SLABS. NO EXPOSED SLAB PERMITTED IN FINISHED AREAS.
9. COORDINATE SIZE OF ALL TRANSITION STRIPS WITH FINISH MATERIALS.

FINISH LEGEND

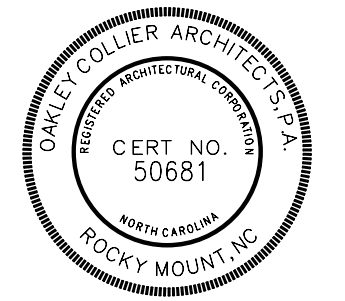
WALL FINISH		FLOOR FINISH	
PT-1 INTERIOR FIELD PAINT 1	PT-1A INTERIOR FIELD EPOXY PAINT	PT-2 INTERIOR ACCENT PAINT	PT-3 INTERIOR ACCENT PAINT 3
PT-4 INTERIOR ACCENT PAINT 4	WT WALL TILE	ETR EXISTING FLOORING TO REMAIN FT-1 FLOOR TILE PATTERN 1 FT-2 FLOOR TILE 2 CPT-1 CARPET TILE PATTERN 1 CPT-2 CARPET TILE PATTERN 2 CPT-3 CARPET TILE PATTERN 3 CPT-4 CARPET TILE PATTERN 4	
WALL BASE		CEILING FINISH	
RB-1 RUBBER BASE	TB-1 TILE BASE	WB-1 WOOD BASE	EPF-1 EPOXY FLOORING REPAIR / TOPCOAT ACT-1 ACOUSTICAL CEILING TILE ACT-2 ACOUSTICAL CEILING TILE GWB GYPSUM WALL BOARD
SURFACE FINISH		CEILING FINISH	
PL-1 P-LAM 1	PL-2 P-LAM 2	PL-3 P-LAM 3	QS-1 QUARTZ 1 SS-1 SOLID SURFACE 1 SS-2 SOLID SURFACE 2

ROOM FINISH SCHEDULE

ROOM NO	ROOM NAME	FLOOR	BASE	NORTH	EAST	SOUTH	WEST	SIGNAGE	NOTES
100	LOBBY	LVT-H	RB-1	PT-1	PT-1	PT-1	PT-1		
100A	VESTIBULE	LVT-H	RB-1	PT-1	PT-1	PT-1	PT-1		
100B	RECEP	LVT-H	RB-1	PT-1	PT-1	PT-2	PT-1	A	
101	CORRIDOR	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1		
102	DINING	LVT-H	RB-1	PT-1	PT-2	PT-1	PT-1	B	
102A	STOR	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	B	
103	KITCHEN	LVT-H	RB-1	PT-1A	PT-1A	PT-1A	PT-1A	B	
103A	NUTR	LVT-1	RB-1	PT-1	PT-2	PT-1	PT-1	B	
103B	PANTRY	LVT-1	RB-1	PT-1A	PT-1A	PT-1A	PT-1A	B	
104	JAN	LVT-1	RB-1	PT-1A	PT-1A	PT-1A	PT-1A	B	
105	FITNESS CLASSROOM	FF	RB-1	PT-1	PT-1	PT-1	PT-1	B	
105A	STOR	FF	RB-1	PT-1	PT-1	PT-1	PT-1	B	
106	WOMEN	FT-1		WT-2	WT-1	WT-1	WT-1	C	
107	MENS	FT-1		WT-1	WT-1	WT-2	WT-1	C	
108	CRAFT ROOM	LVT-1	RB-1	PT-1	PT-2	PT-2	PT-1	B	
109	MED MP	LVT-1	RB-1	PT-1	PT-1	PT-3	PT-1	B	
109A	STOR	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	B	
110	ELECTEL	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	B	
111	HALL	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	B	
112	STOR/ HEALTH	CPT-1	RB-1	PT-1	PT-1	PT-2	PT-1	A	
113	OFFICE	CPT-1	RB-1	PT-1	PT-1	PT-2	PT-1	A	
114	DECK	WD							

FLOOR FINISH FILL LEGEND

- NOTES:**
1. PATTERNS IN THIS LEGEND APPLY TO FLOOR FINISH PLAN ONLY.
 2. SEE FINISH SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.



GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

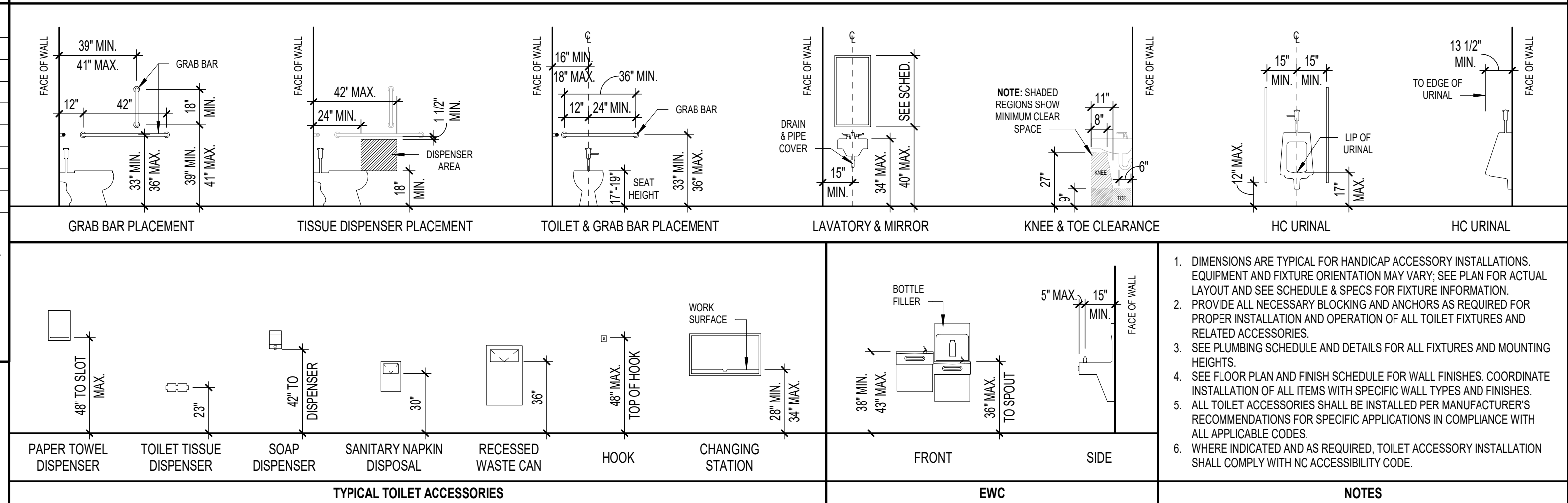
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FINISH PLAN	

TOILET ACCESSORIES SCHEDULE

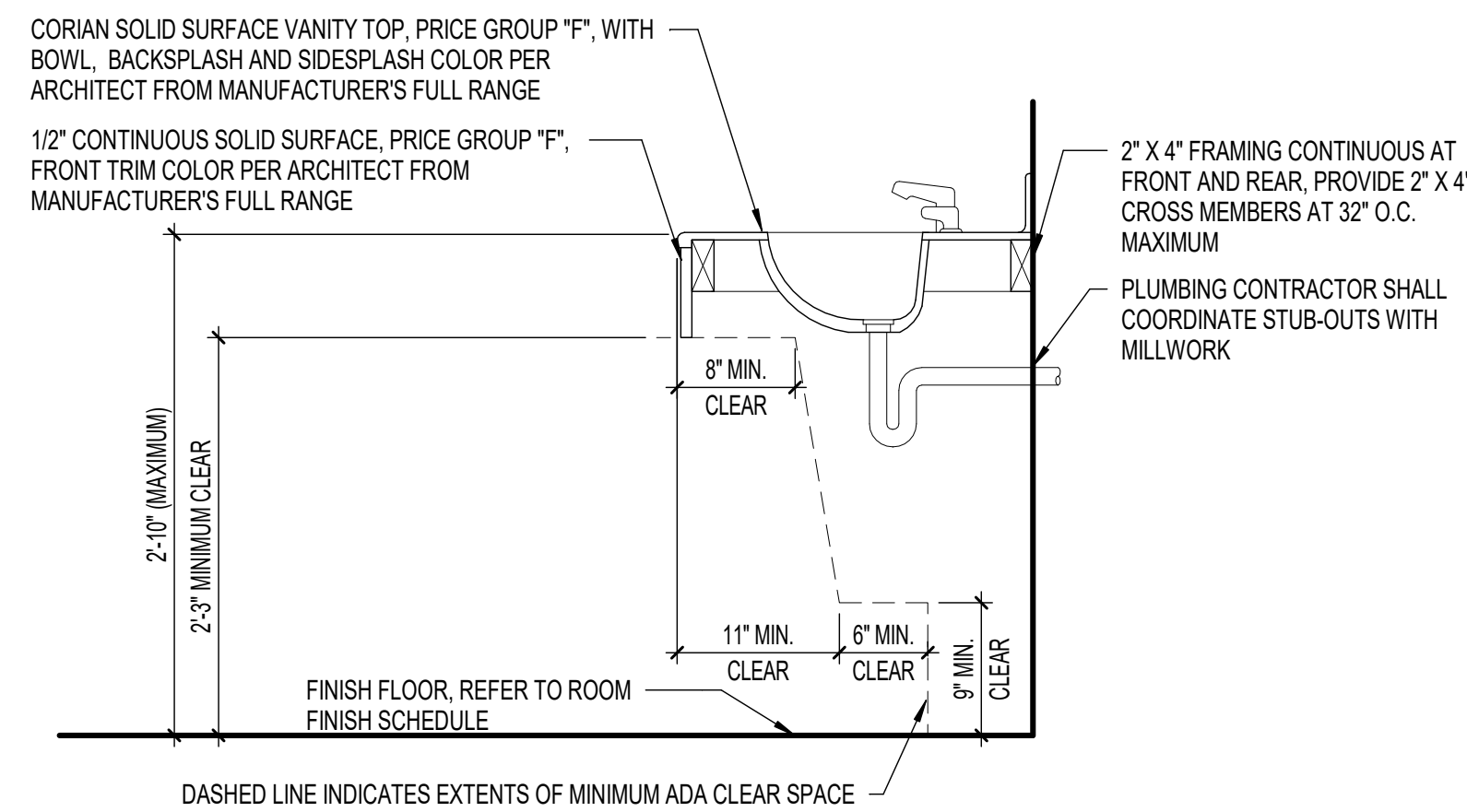
TAG	DESCRIPTION	MANUF.	MODEL NO.	MOUNTING HEIGHT
PD	PAPER TOWEL DISPENSER	A.S.I.	20210	48" TO SLOT
T2	SURFACE MOUNTED SOAP DISPENSER	A.S.I.	9343	50 7/8" TO TOP
T3	STAINLESS STEEL FRAMED MIRROR	A.S.I.	20650	40" TO BOTTOM
T4	SINGLE ROLL TISSUE DISPENSER	A.S.I.	7305-S-R009	27" C.L.
GB36	1 1/2" DIA. X 36" S.S. GRAB BAR - PEENED	A.S.I.	3800-36P	34" C.L.
GB42	1 1/2" DIA. X 42" S.S. GRAB BAR - PEENED	A.S.I.	3800-42P	34" C.L.
GB18	1 1/2" DIA. X 18" S.S. (VERTICAL) GRAB BAR - PEENED	A.S.I.	3800-18P	39" TO BOTTOM
T5	SOLID PLASTIC TOILET PARTITION	ACCURATE	-	-

- ALL TOILET ACCESSORIES SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS FOR SPECIFIC APPLICATIONS IN COMPLIANCE WITH ALL APPLICABLE CODES.
- WHERE INDICATED AND AS REQUIRED, TOILET ACCESSORY INSTALLATION SHALL COMPLY WITH NC ACCESSIBILITY CODE.
- FURNISH AND INSTALL ALL NECESSARY FRAMING AND BLOCKING AS REQUIRED FOR PROPER INSTALLATION AND OPERATION OF ALL ACCESSORIES.
- MANUFACTURER AND MODEL NUMBERS INDICATED REPRESENT BASIS OF DESIGN. APPROVED EQUALS WILL BE ACCEPTED.

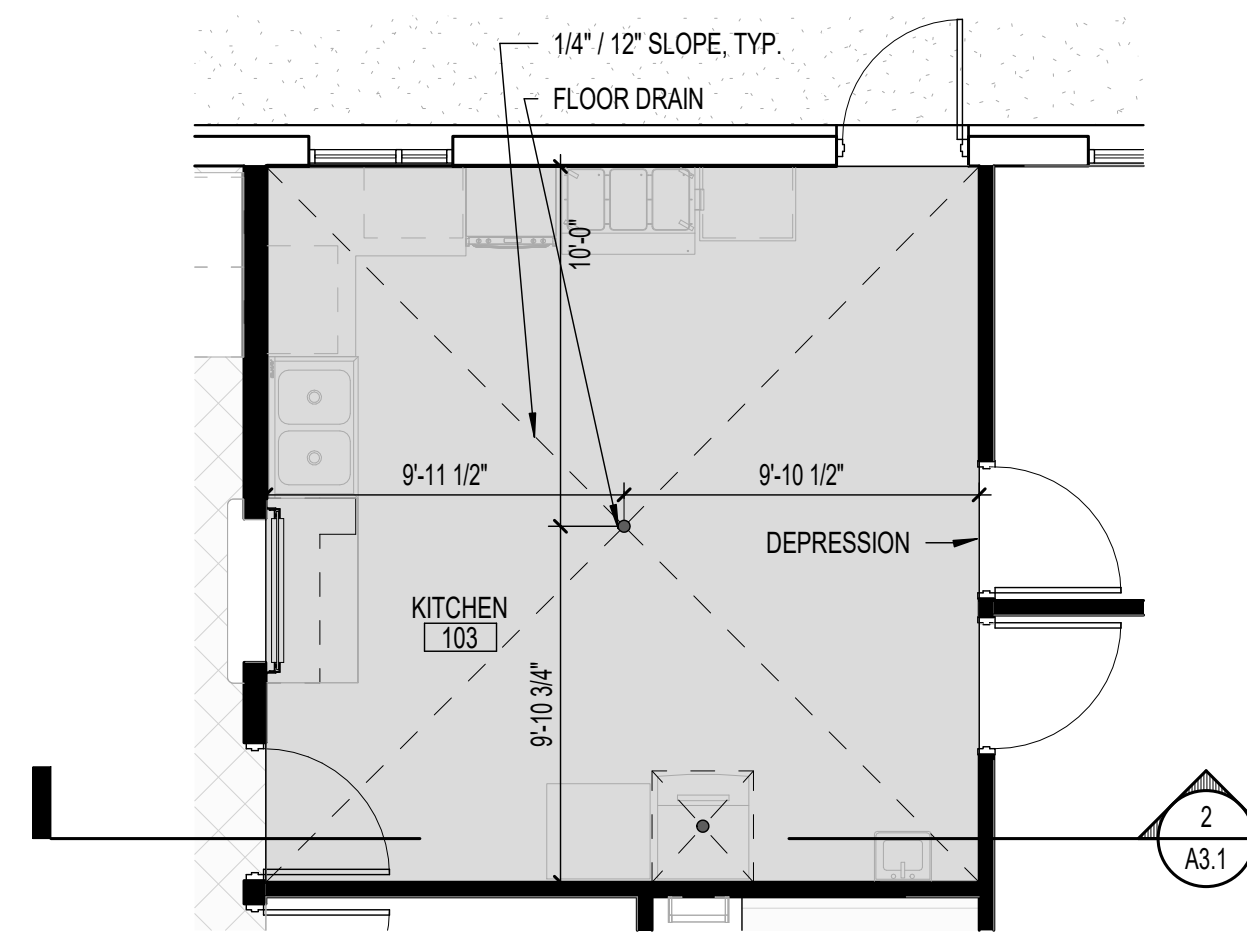
HC ACCESSORIES LEGEND



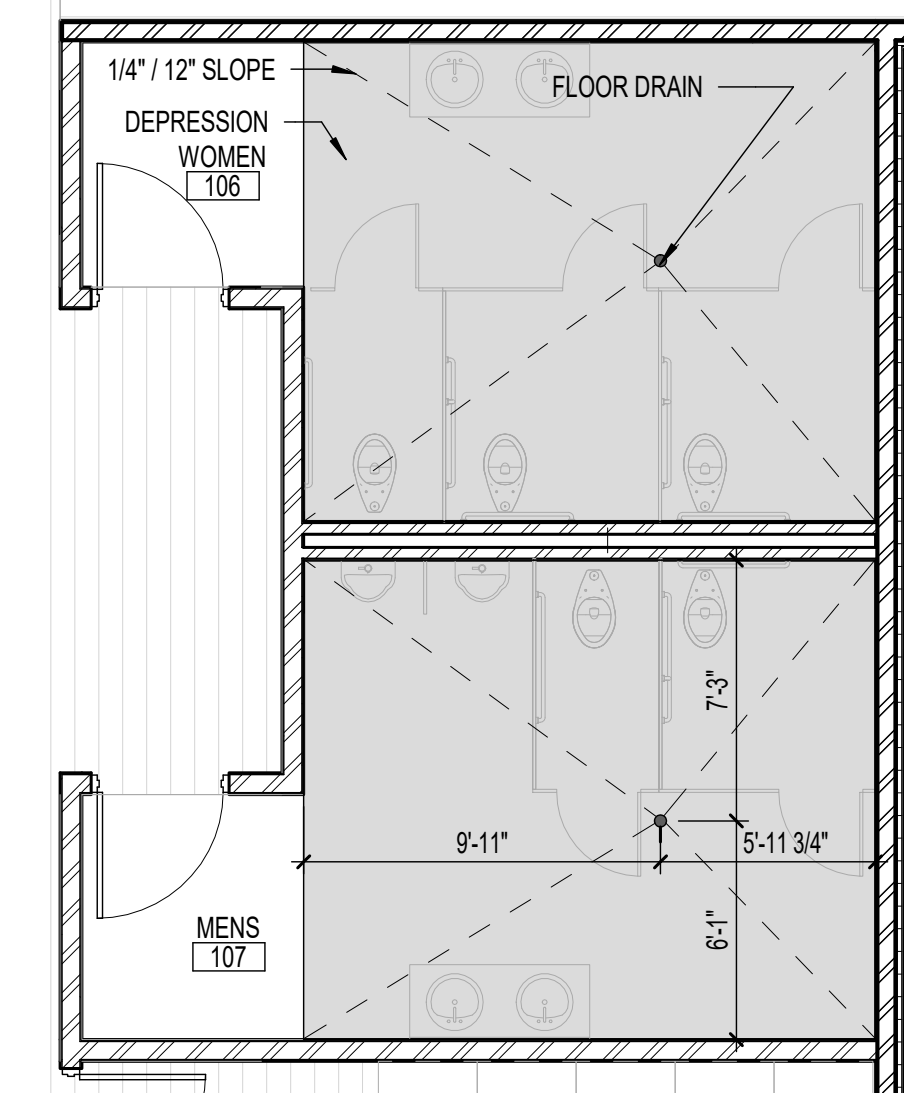
- DIMENSIONS ARE TYPICAL FOR HANDICAP ACCESSORY INSTALLATIONS. EQUIPMENT AND FIXTURE ORIENTATION MAY VARY. SEE PLAN FOR ACTUAL LAYOUT AND SEE SCHEDULE & SPECS FOR FIXTURE INFORMATION.
- PROVIDE ALL NECESSARY BLOCKING AND ANCHORS AS REQUIRED FOR PROPER INSTALLATION AND OPERATION OF ALL TOILET FIXTURES AND RELATED ACCESSORIES.
- SEE PLUMBING SCHEDULE AND DETAILS FOR ALL FIXTURES AND MOUNTING HEIGHTS.
- SEE FLOOR PLAN AND FINISH SCHEDULE FOR WALL FINISHES. COORDINATE INSTALLATION OF ALL ITEMS WITH SPECIFIC WALL TYPES AND FINISHES.
- ALL TOILET ACCESSORIES SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS FOR SPECIFIC APPLICATIONS IN COMPLIANCE WITH ALL APPLICABLE CODES.
- WHERE INDICATED AND AS REQUIRED, TOILET ACCESSORY INSTALLATION SHALL COMPLY WITH NC ACCESSIBILITY CODE.



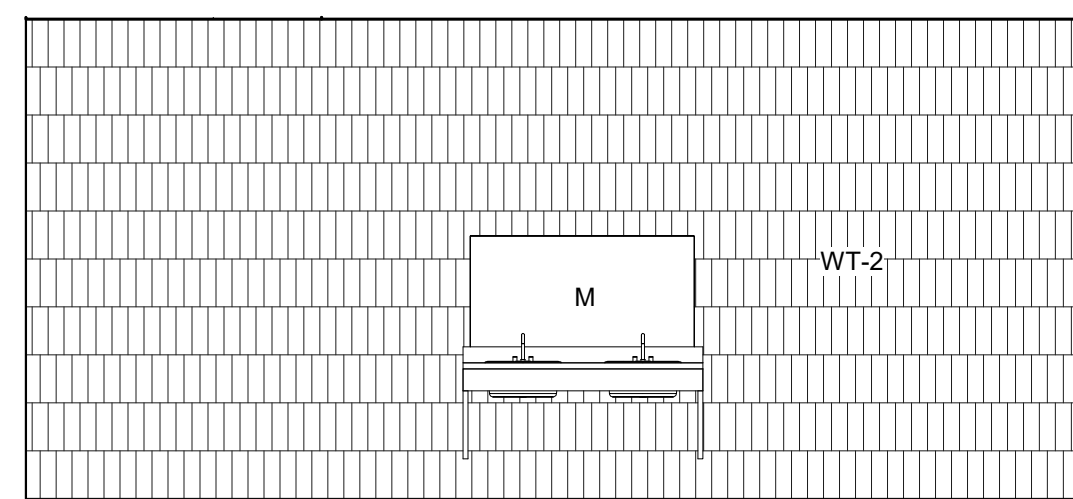
12 ADA SINK CABINETRY INTEGRATED BOWL
1" = 1'-0"



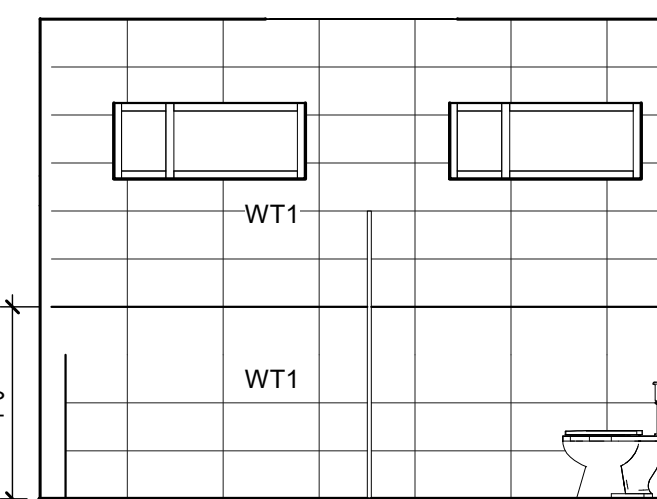
11 KITCHEN - FLOOR DRAIN
3/16" = 1'-0"



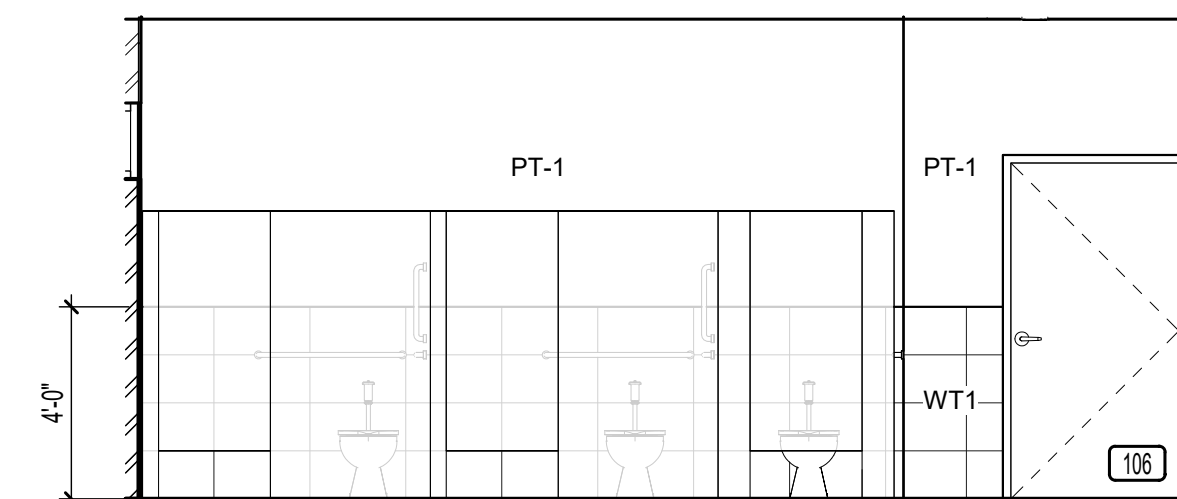
10 RESTROOMS - FLOOR DRAIN
3/16" = 1'-0"



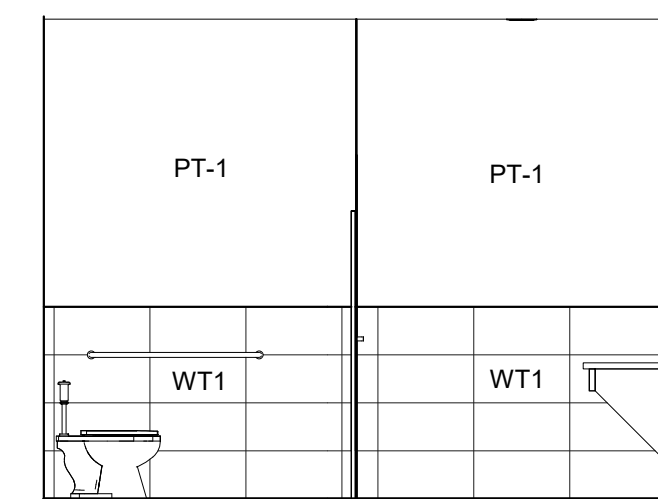
9 WOMENS 106 - SOUTH
1/4" = 1'-0"



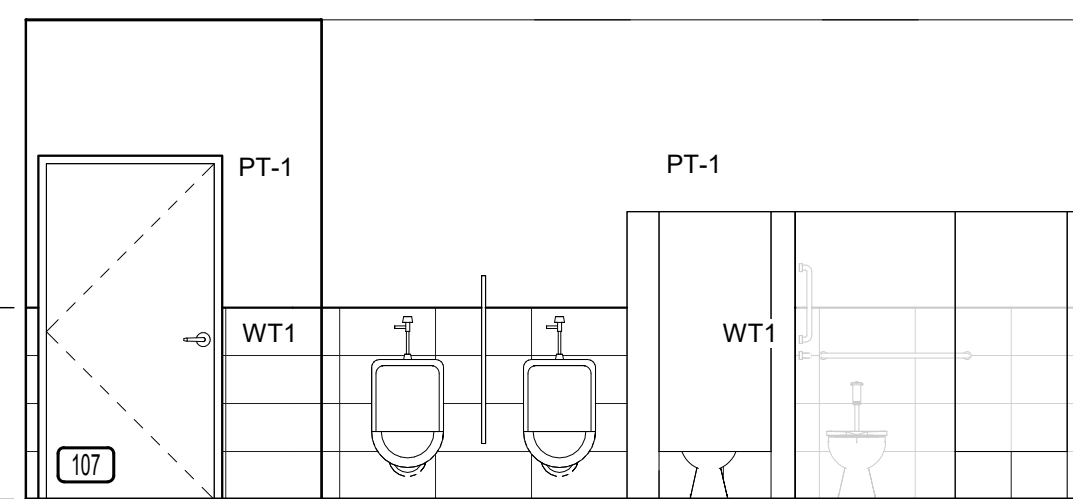
8 WOMENS 106 - WEST
1/4" = 1'-0"



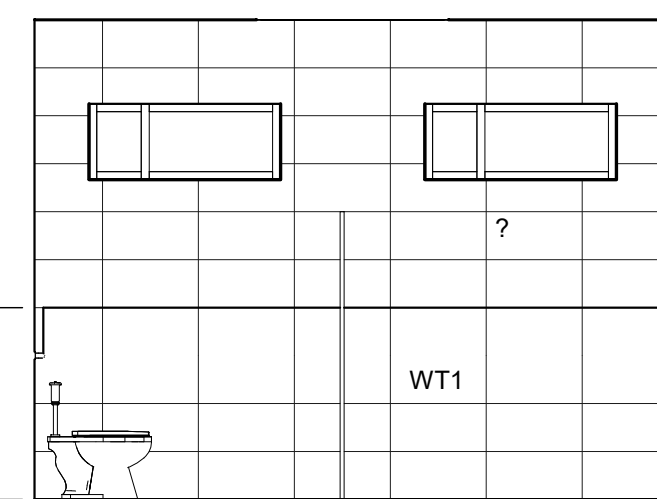
7 WOMENS 106 - NORTH
1/4" = 1'-0"



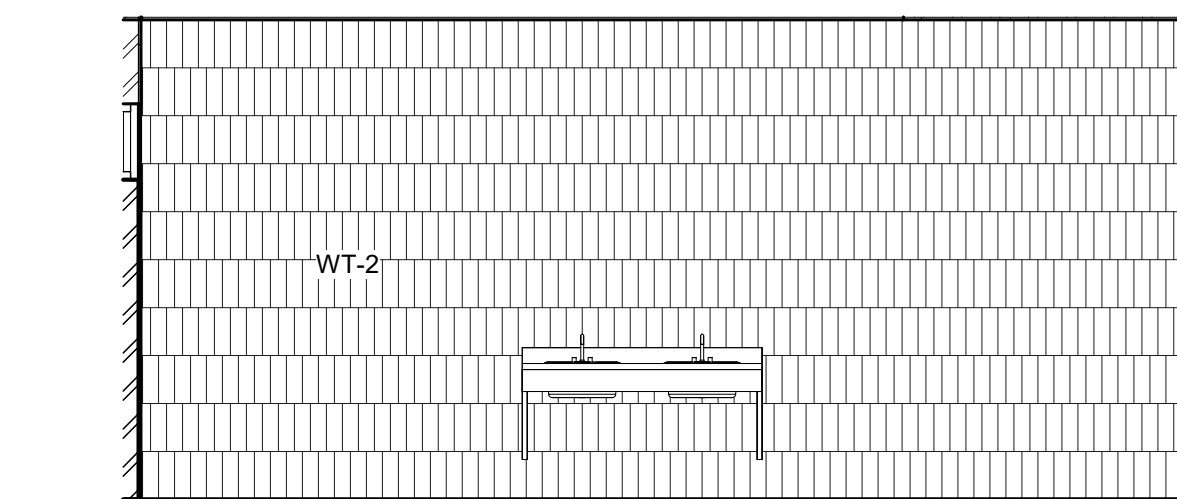
6 WOMENS 106 - EAST
1/4" = 1'-0"



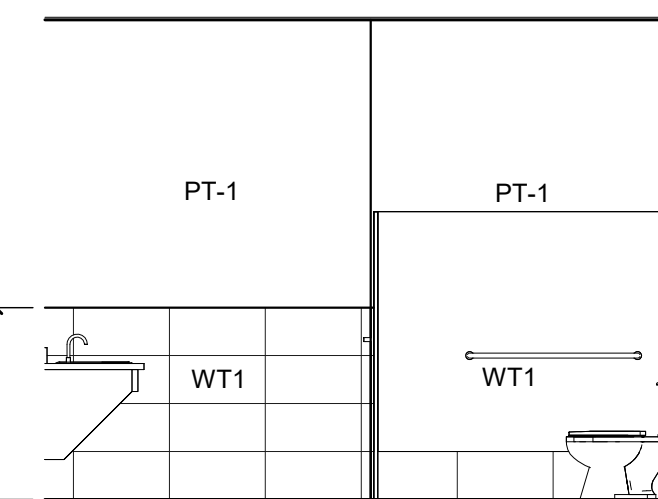
5 MENS 107 - SOUTH
1/4" = 1'-0"



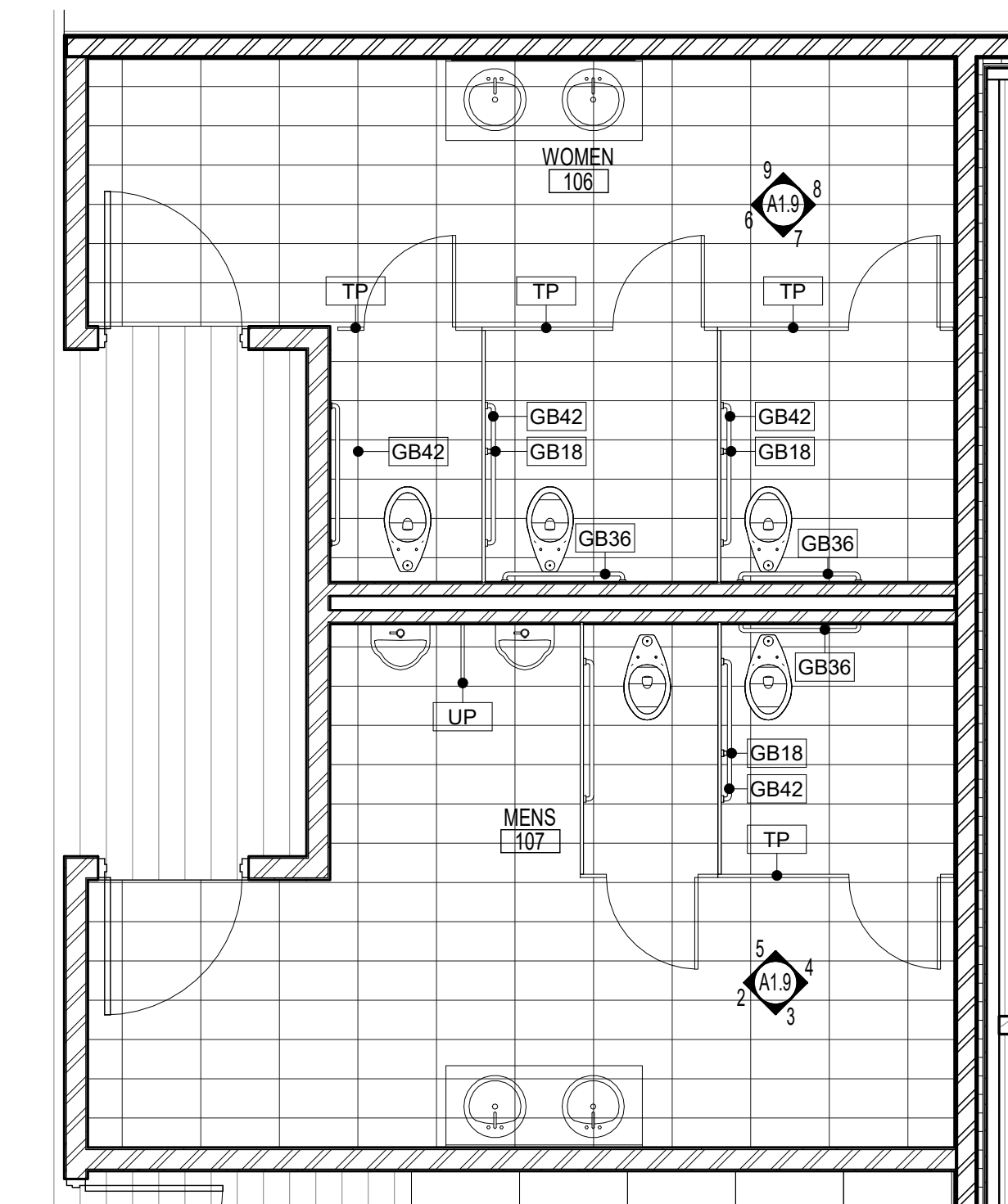
4 MENS 107 - WEST
1/4" = 1'-0"



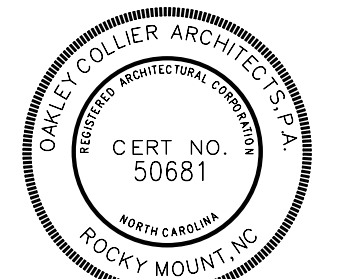
3 MENS 107 - NORTH
1/4" = 1'-0"



2 MENS 107 - EAST
1/4" = 1'-0"



1 RESTROOM ENLARGED PLANS
1/4" = 1'-0"



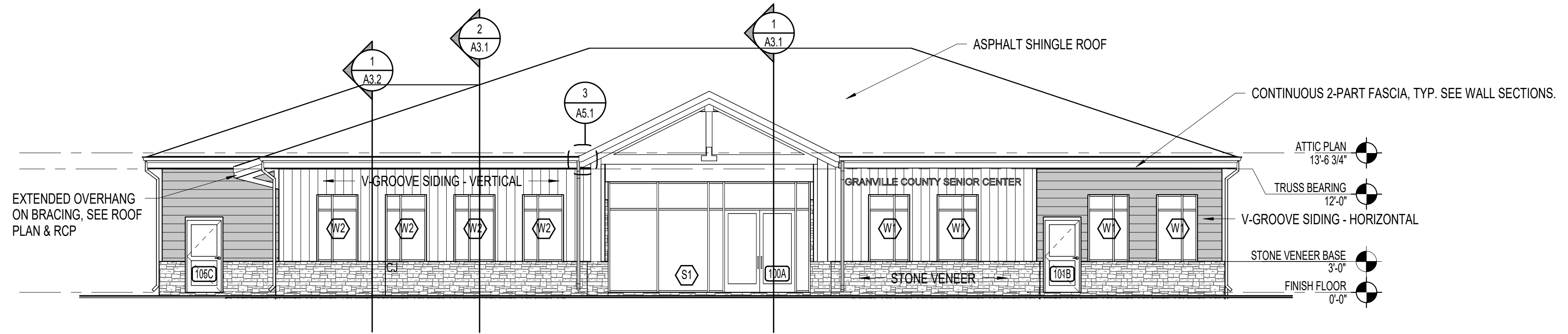
GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions	Description	Date

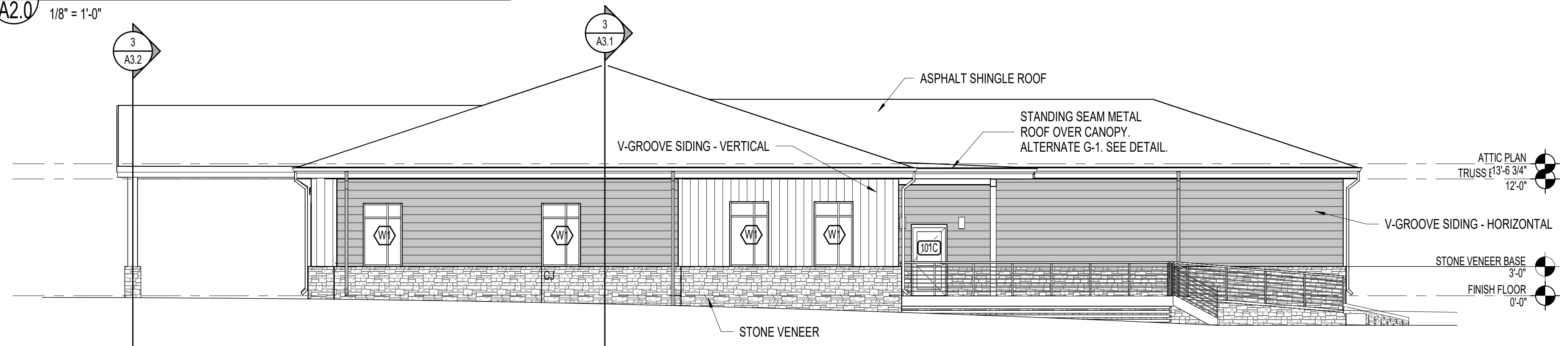
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Sheet Title
ENLARGED PLANS

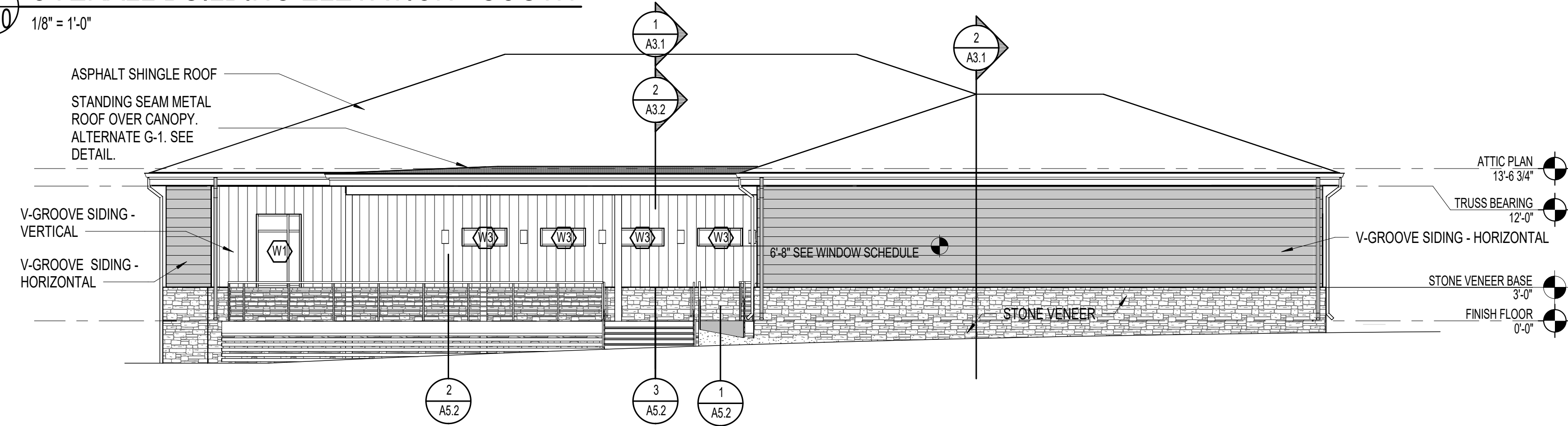
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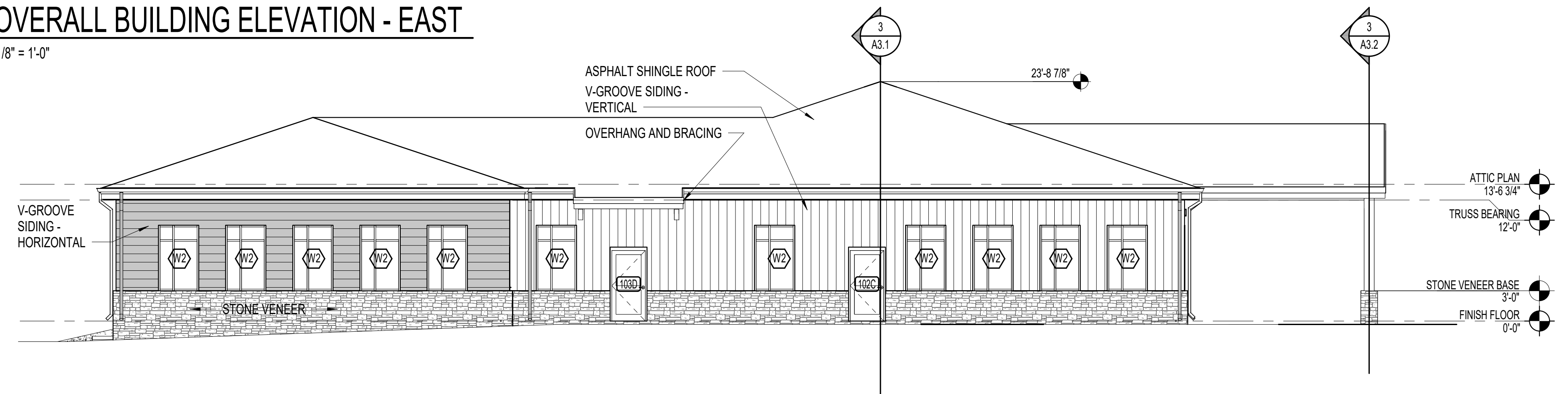
1
A2.0
OVERALL BUILDING ELEVATION - WEST
1/8" = 1'-0"



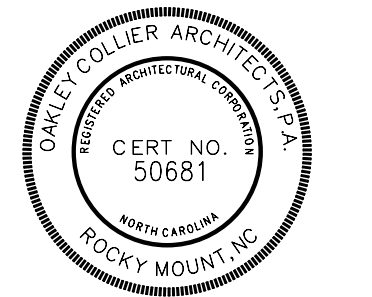
2
A2.0
OVERALL BUILDING ELEVATION - SOUTH
1/8" = 1'-0"



4
A2.0
OVERALL BUILDING ELEVATION - EAST
1/8" = 1'-0"



3
A2.0
OVERALL BUILDING ELEVATION - NORTH
1/8" = 1'-0"



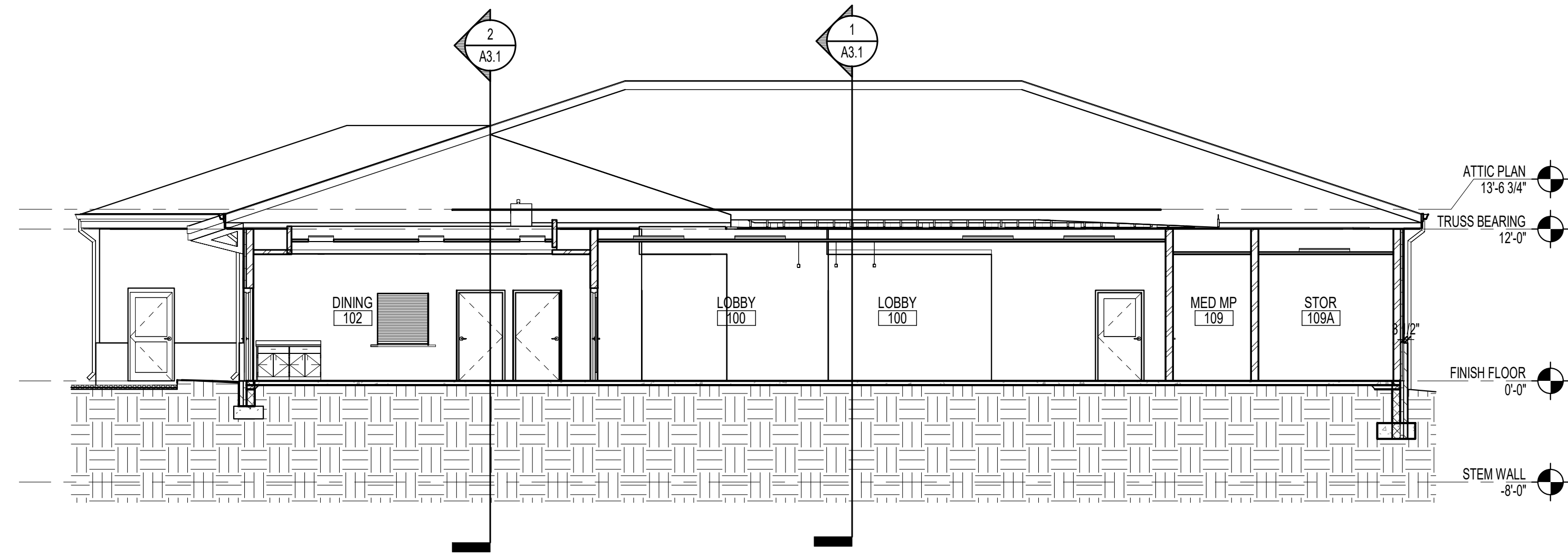
GENERAL NOTE:
Prior to construction
start, Contractor shall
verify & be responsible
for all Dimensions.

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#	Description	Date

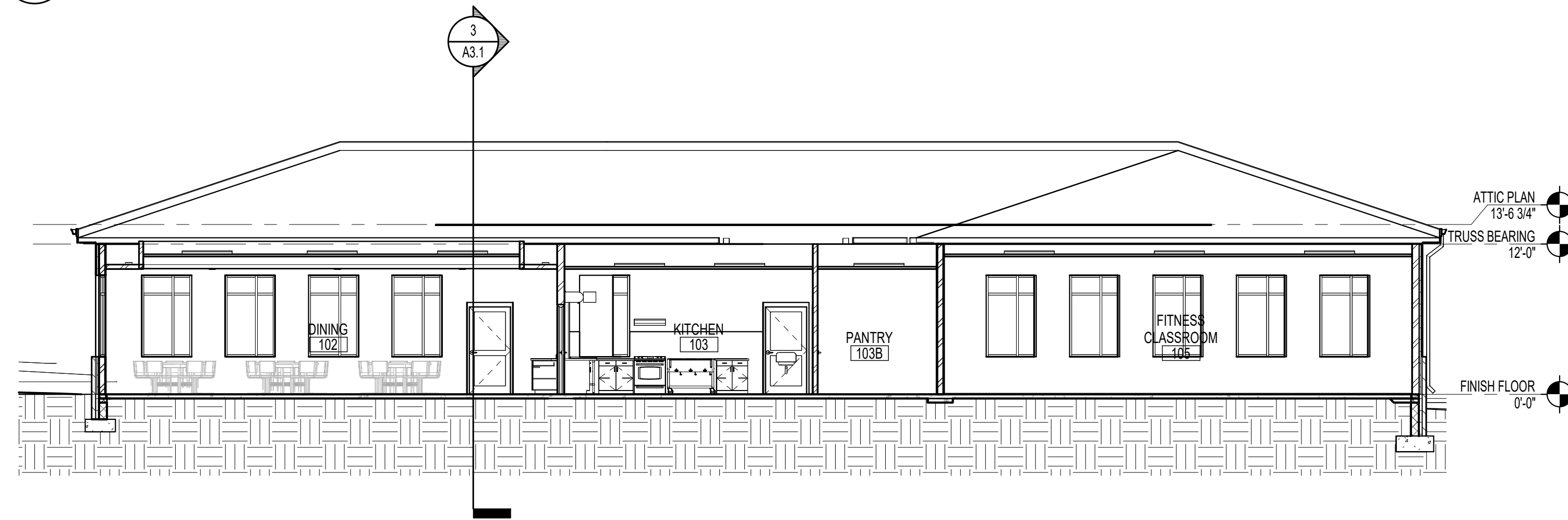
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DG	

Sheet Title
OVERALL BUILDING
ELEVATIONS

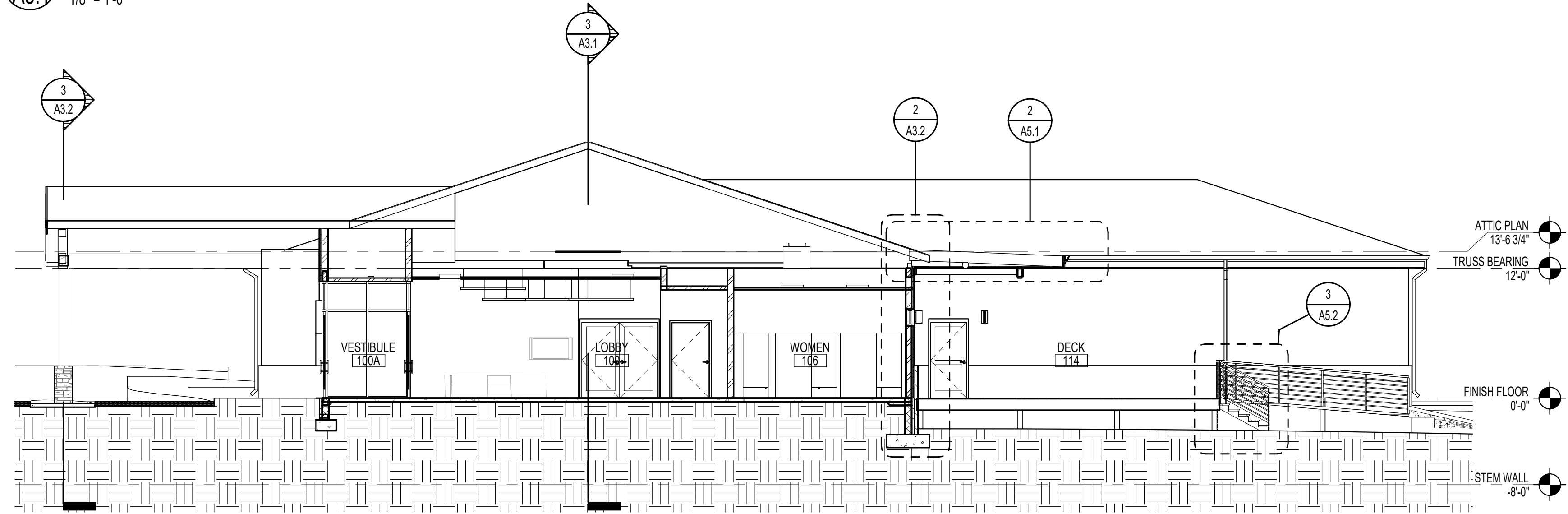
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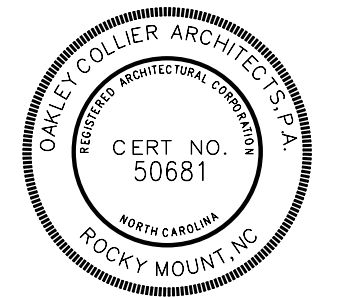
3 SECTION - N-S - DINING / CORRIDOR
A3.1 1/8" = 1'-0"



2 SECTION - E-W - DINING / FITNESS
A3.1 1/8" = 1'-0"



1 SECTION - E-W - VESTIBULE / DECK
A3.1 1/8" = 1'-0"

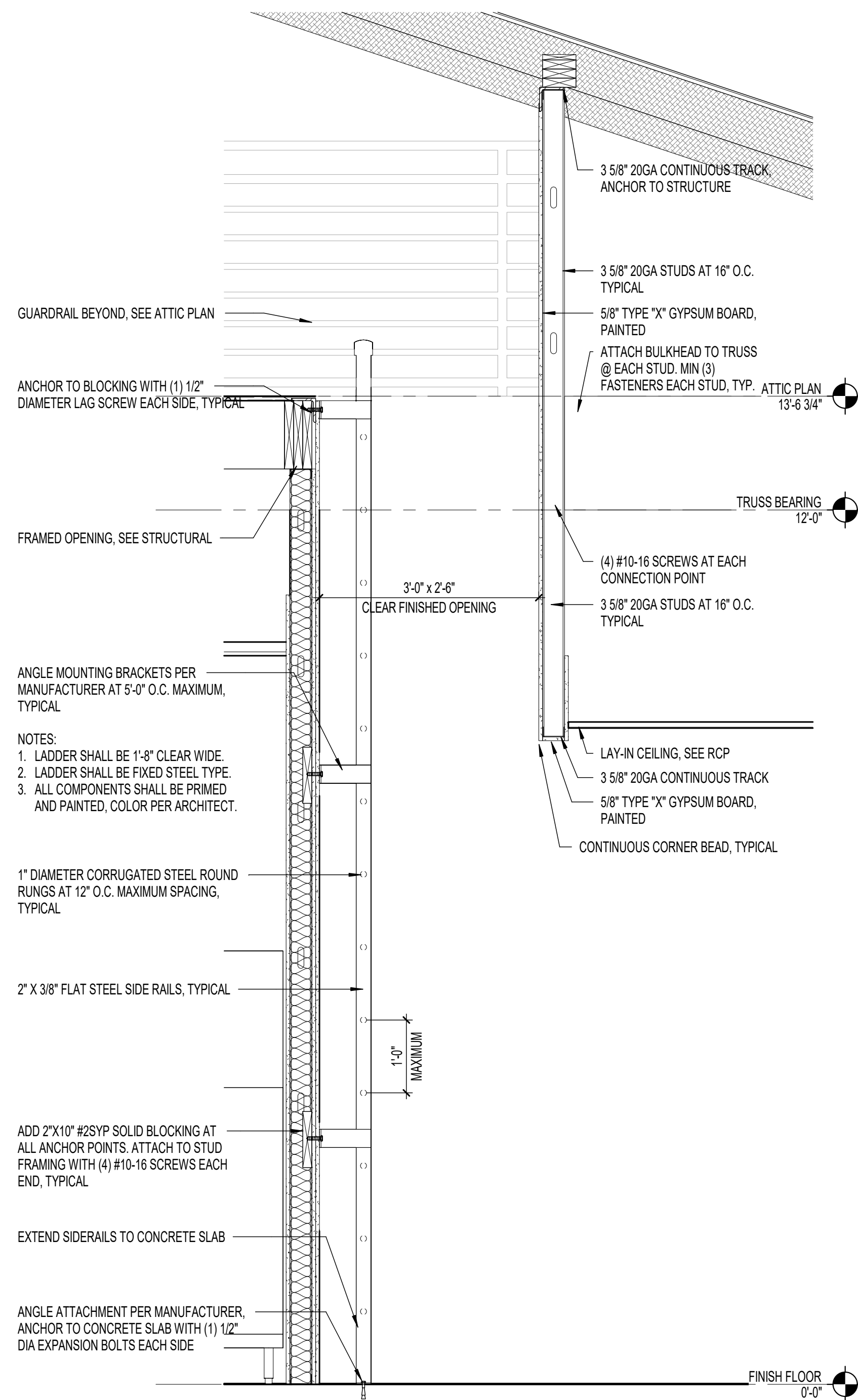


GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

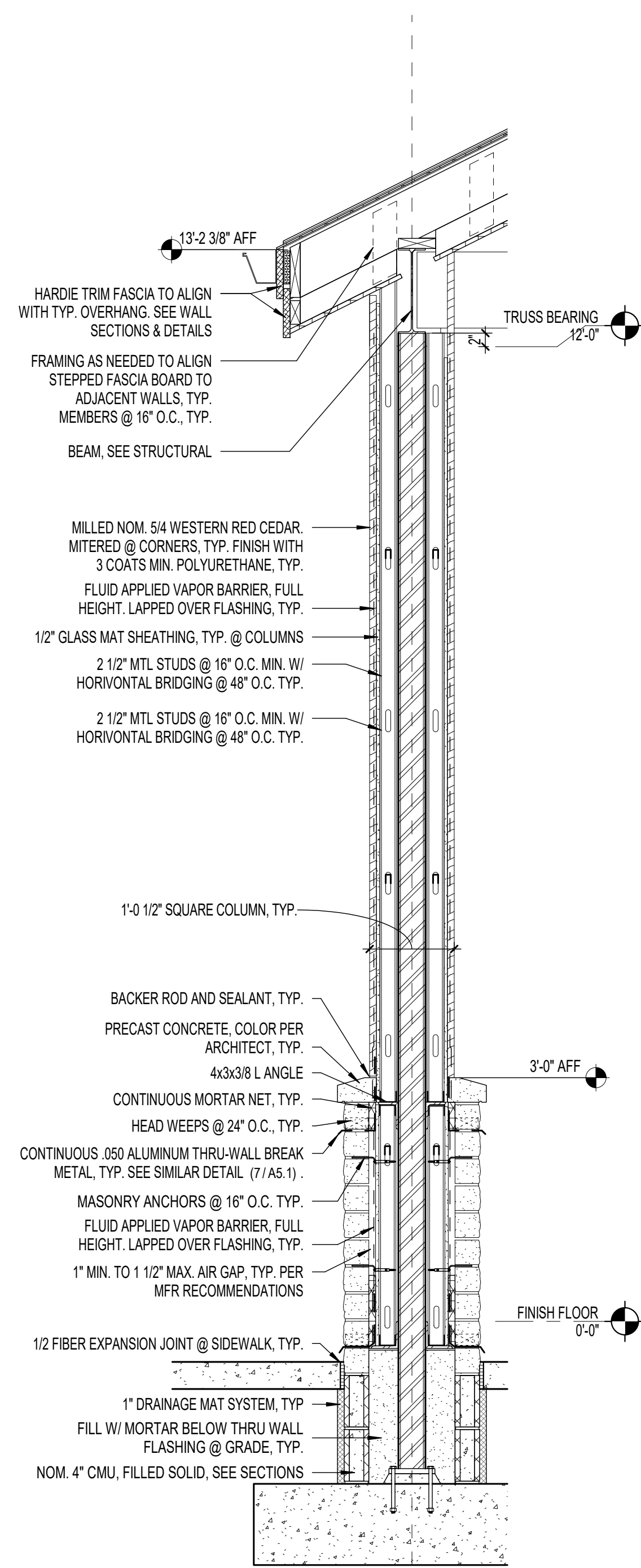
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Date	Project No.
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Checked By	
DG	
Sheet Title	
BUILDING SECTIONS	

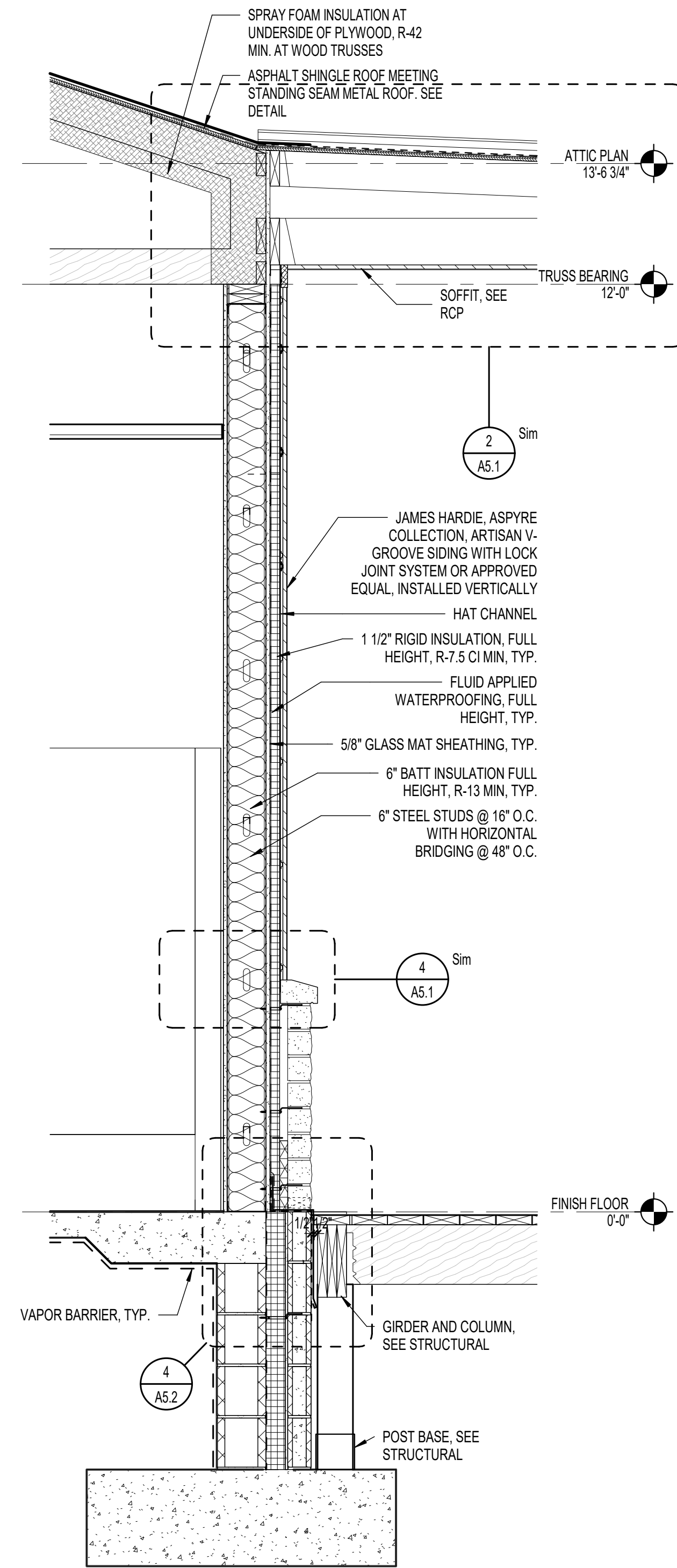
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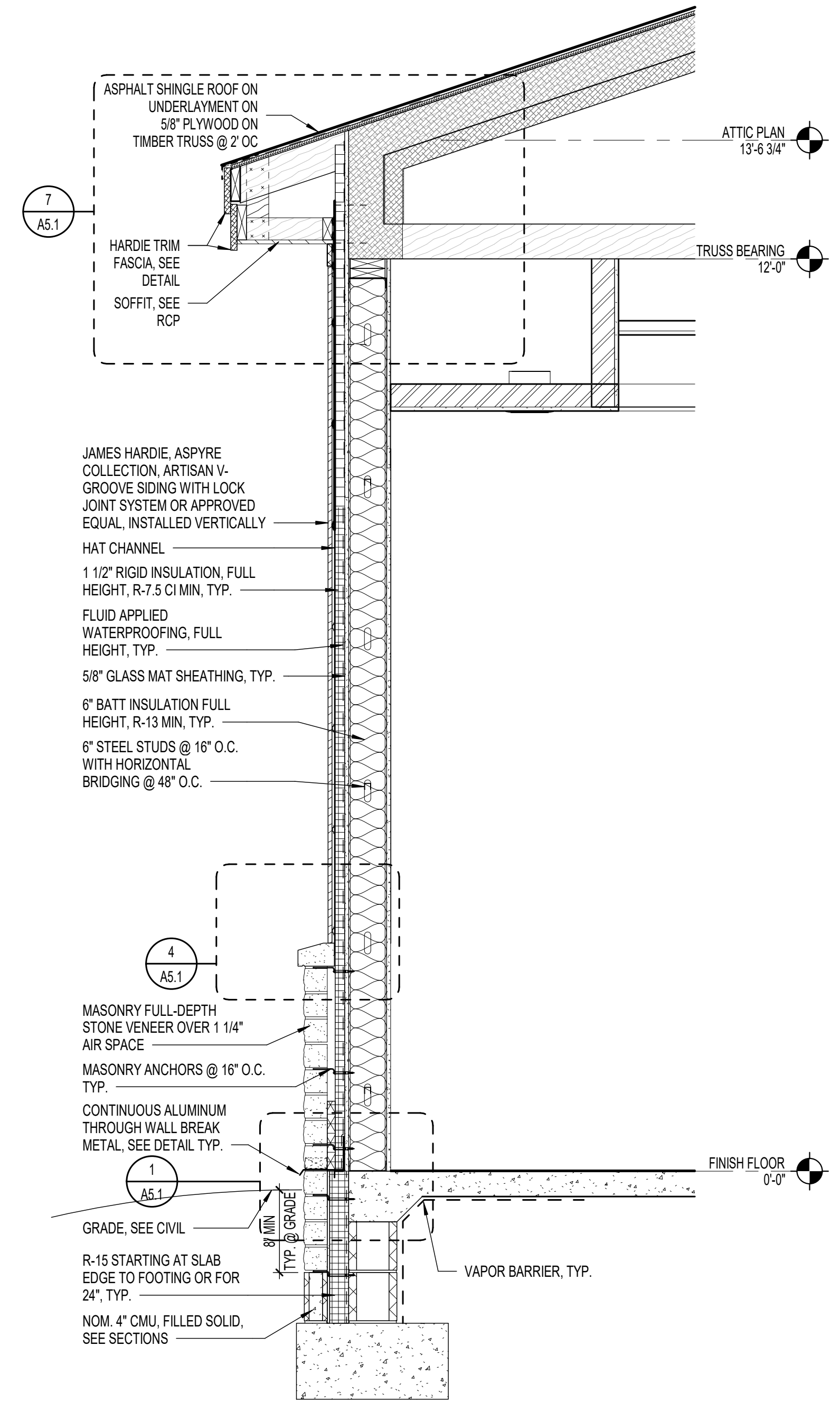
4 WALL SECTION - ATTIC LADDER
A3.2 3/4" = 1'-0"



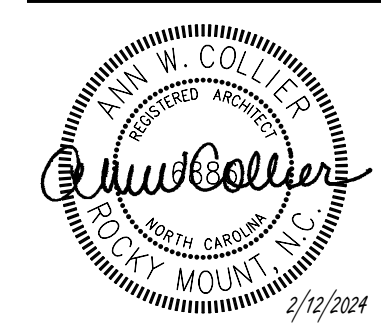
3 WALL SECTION - DROP-OFF
A3.2 3/4" = 1'-0"



2 WALL SECTION - E - DECK
A3.2 3/4" = 1'-0"



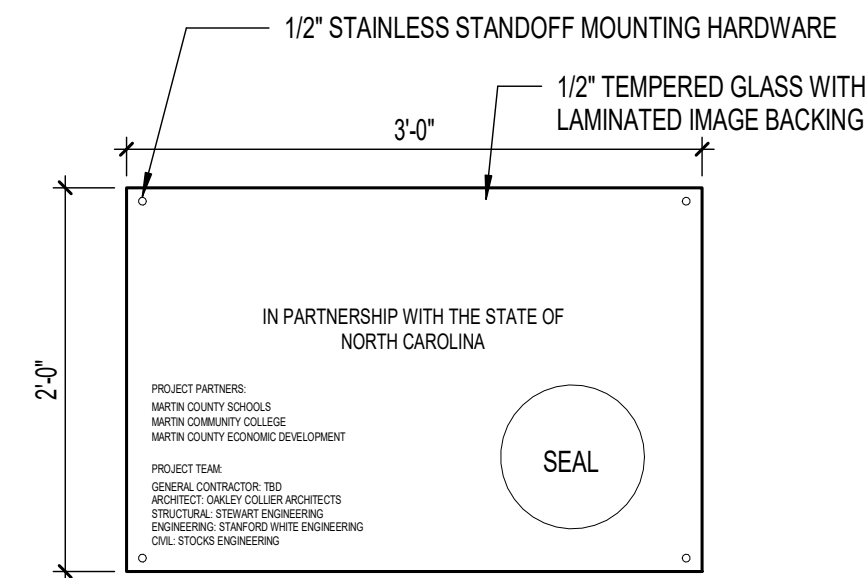
1 WALL SECTION - W - TYP. VERT SIDING
A3.2 3/4" = 1'-0"



GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

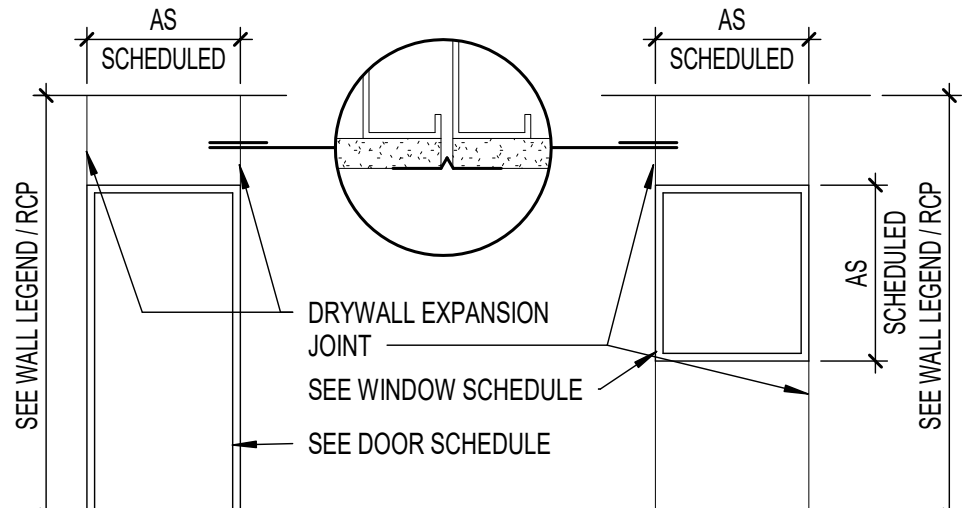
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Sheet Title	
WALL SECTIONS	



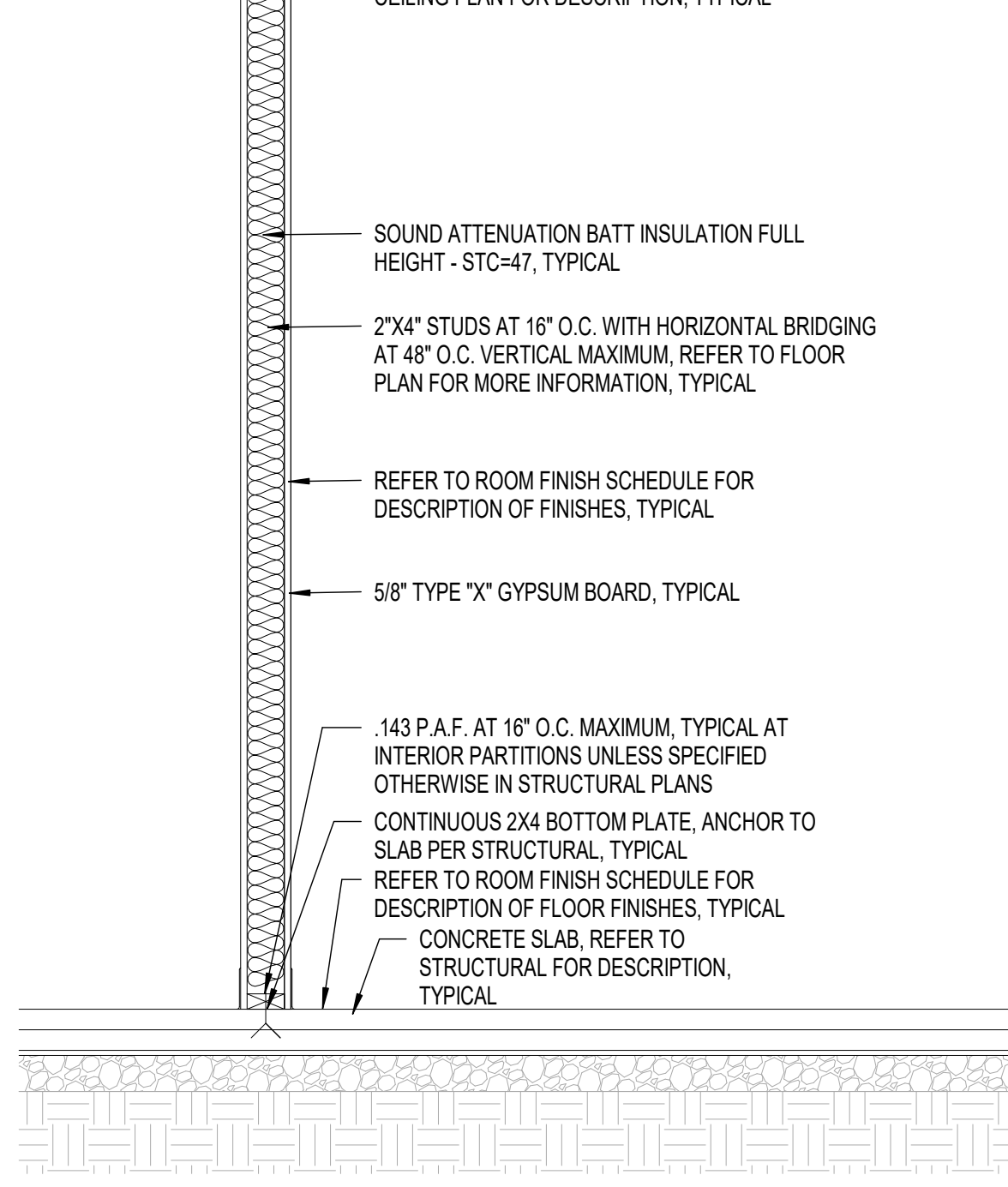
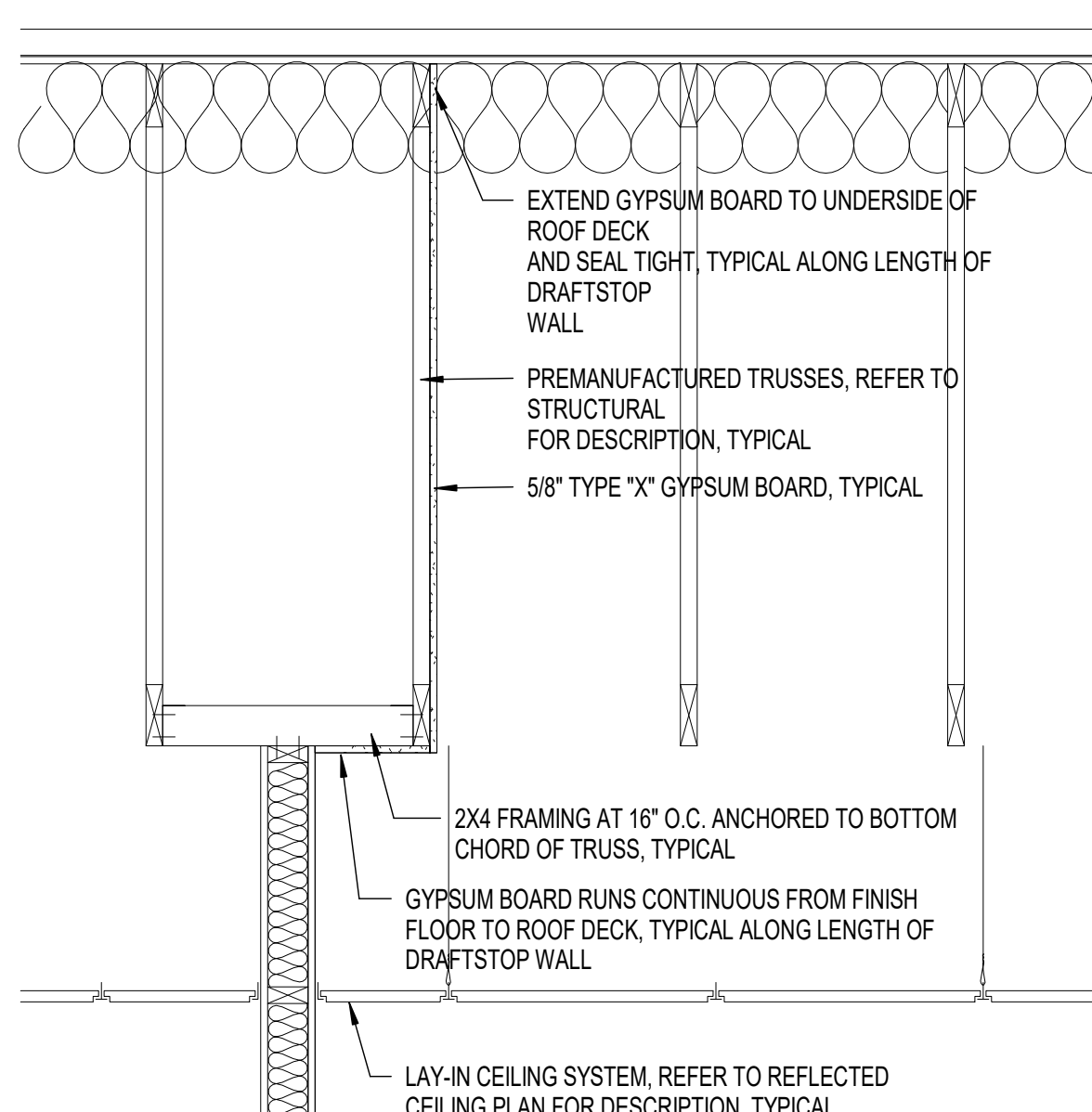
BUILDING DEDICATION PLAQUE
 *CONFIRM IMAGE/TEXT TO BE USED BY OWNER PRIOR TO FABRICATION.

9 BUILDING PLAQUE
 A5.1 1" = 1'-0"



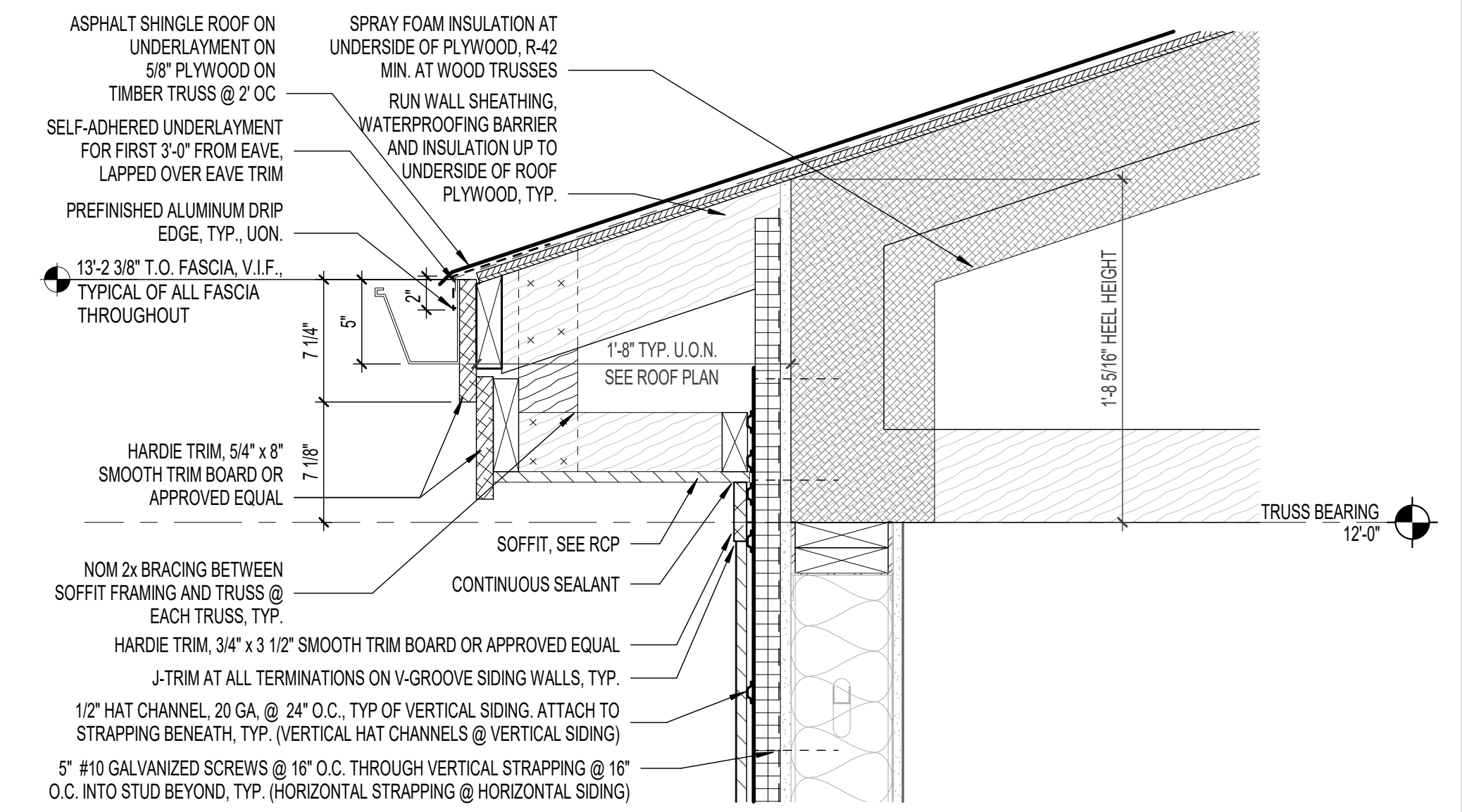
EXP. JOINT- LOCATE WHERE NOTED ON ELEVATIONS AND AT ALL DOOR AND WINDOW LOCATIONS AS ILLUSTRATED PER DETAIL.

8 EXPANSION JT DETAIL
 A5.1 3" = 1'-0"

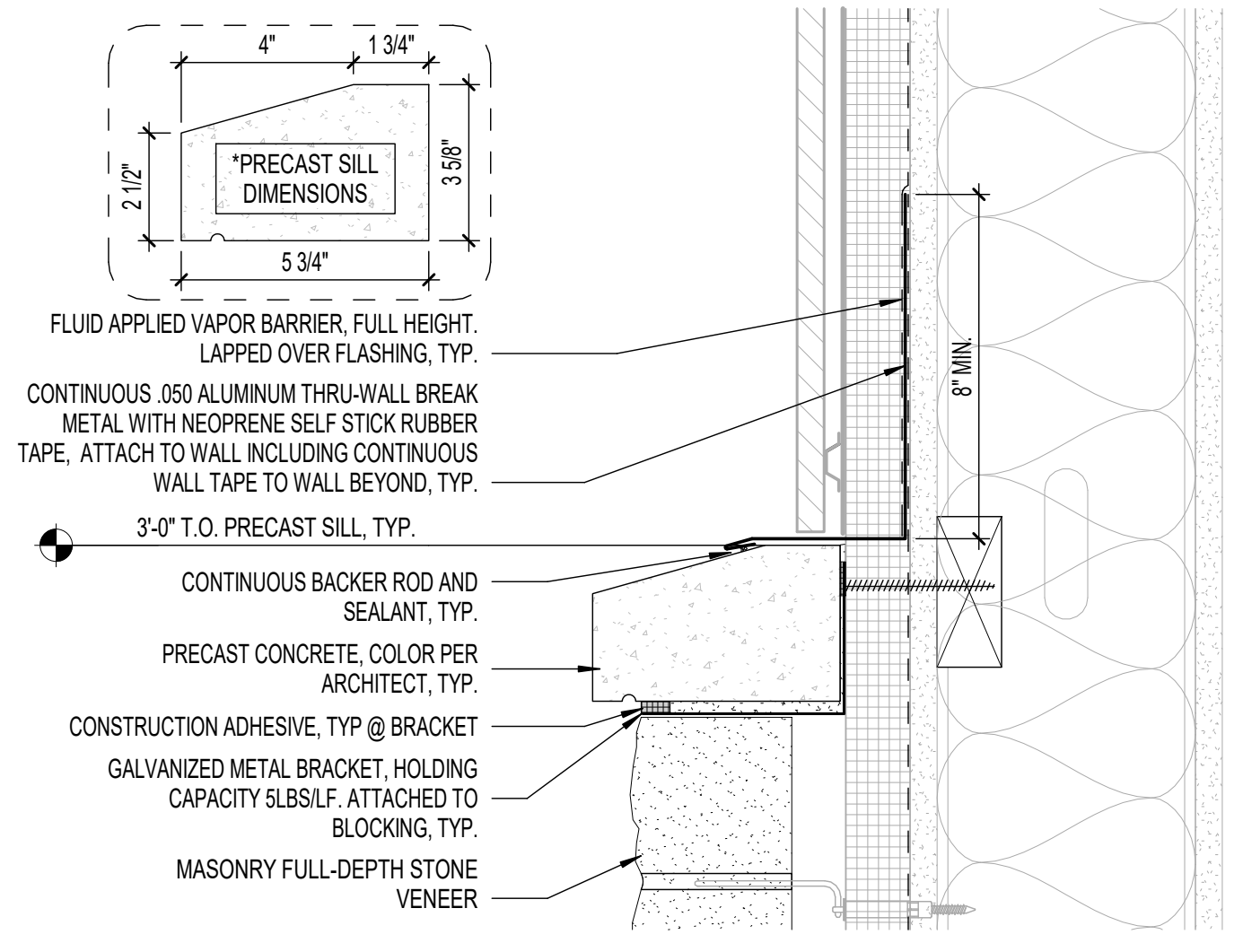


6 TYP INTERIOR PARTITION DETAIL
 A5.1 1/2" = 1'-0"

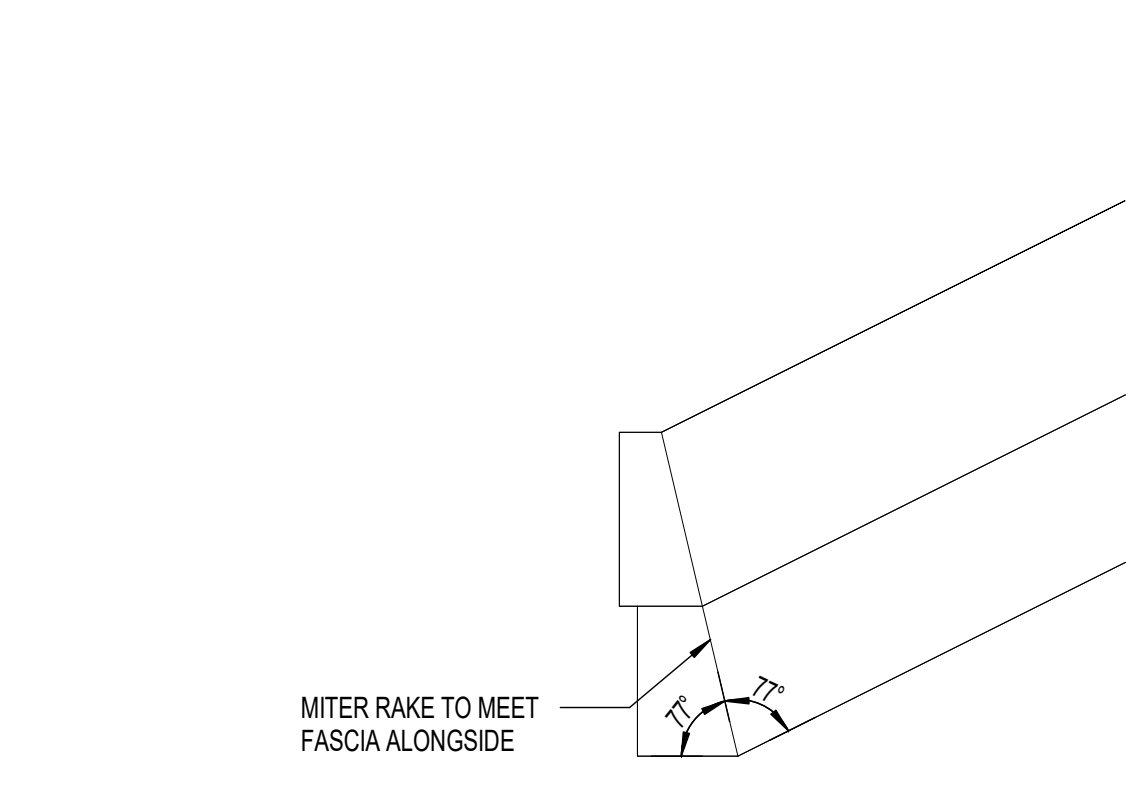
5 ATTIC DRAFTSTOPPING
 A5.1 3/4" = 1'-0"



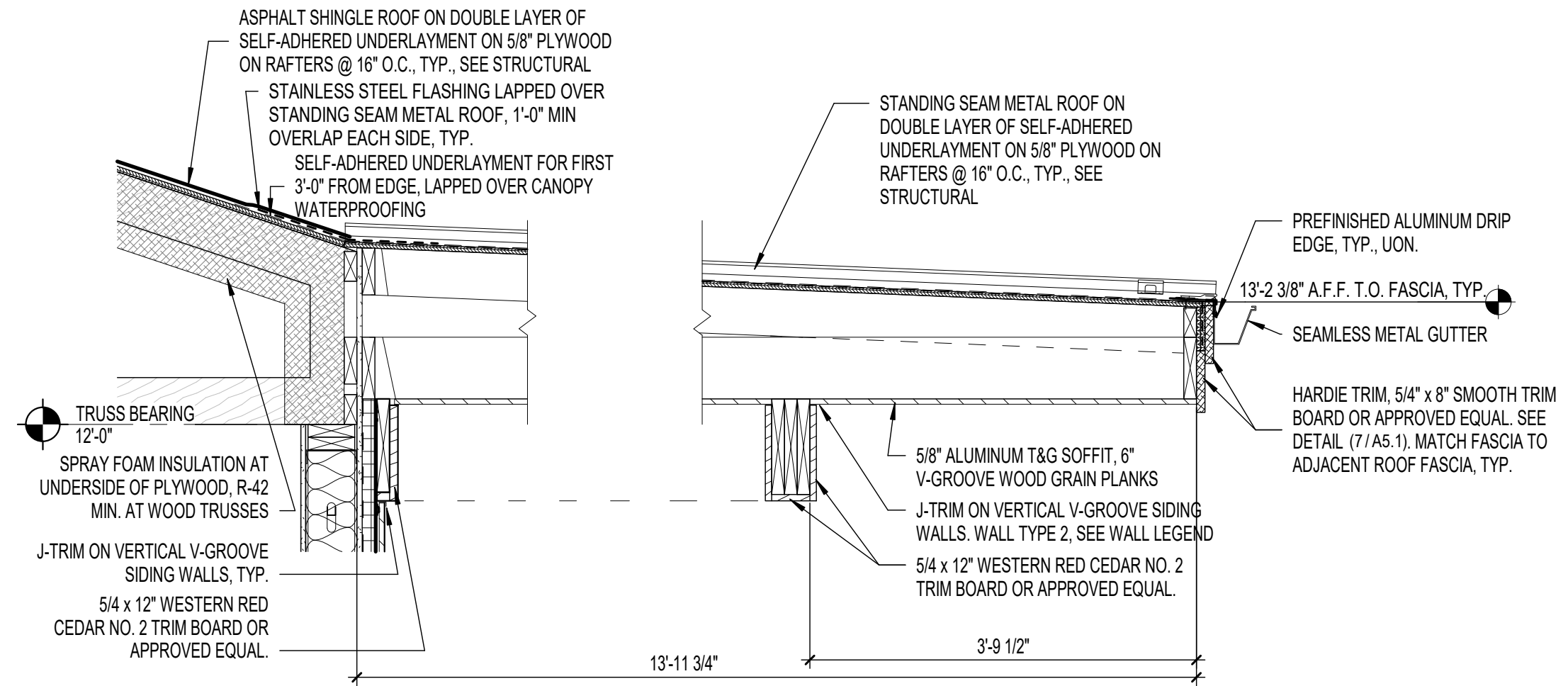
7 TYP. O.H. DETAIL
 A5.1 1 1/2" = 1'-0"



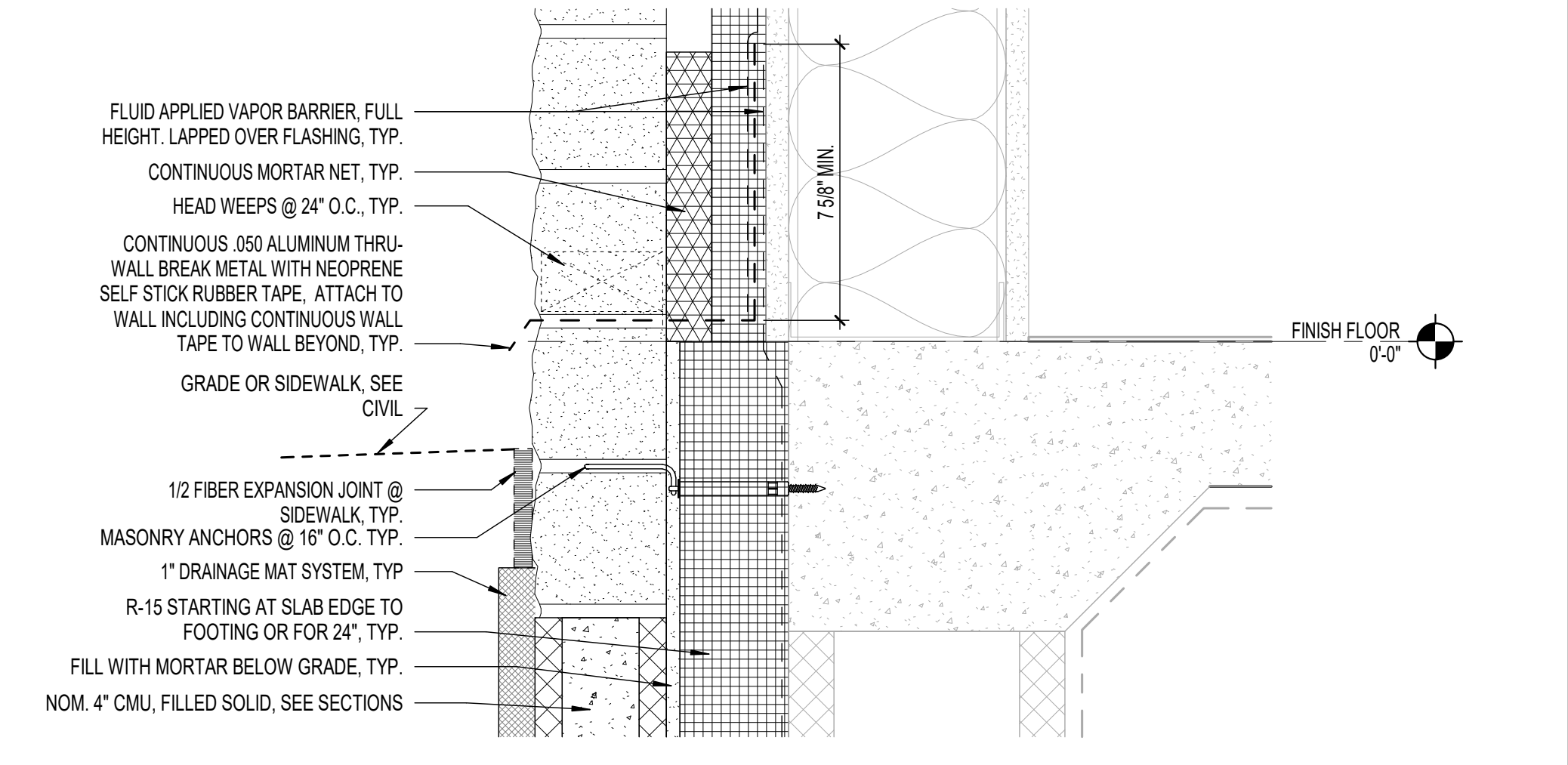
4 TYP. PRECAST CONCRETE SILL
 A5.1 3" = 1'-0"



3 FASCIA TRANSITION AT DROP-OFF
 A5.1 1 1/2" = 1'-0"

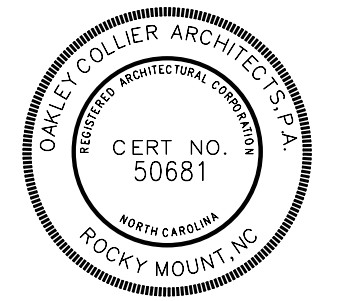


2 DECK CANOPY - ALTERNATE G-1
 A5.1 3/4" = 1'-0"



1 TYP. STONE VENEER BASE
 A5.1 3" = 1'-0"

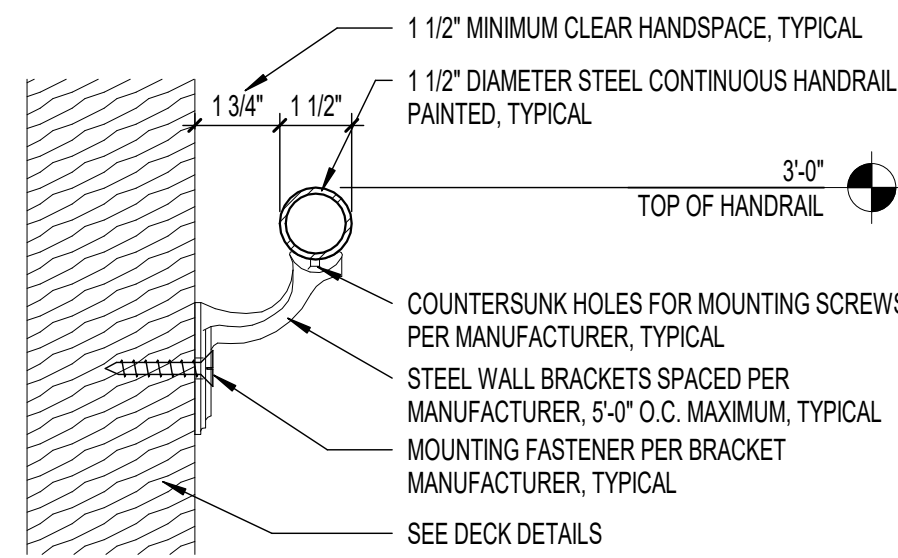
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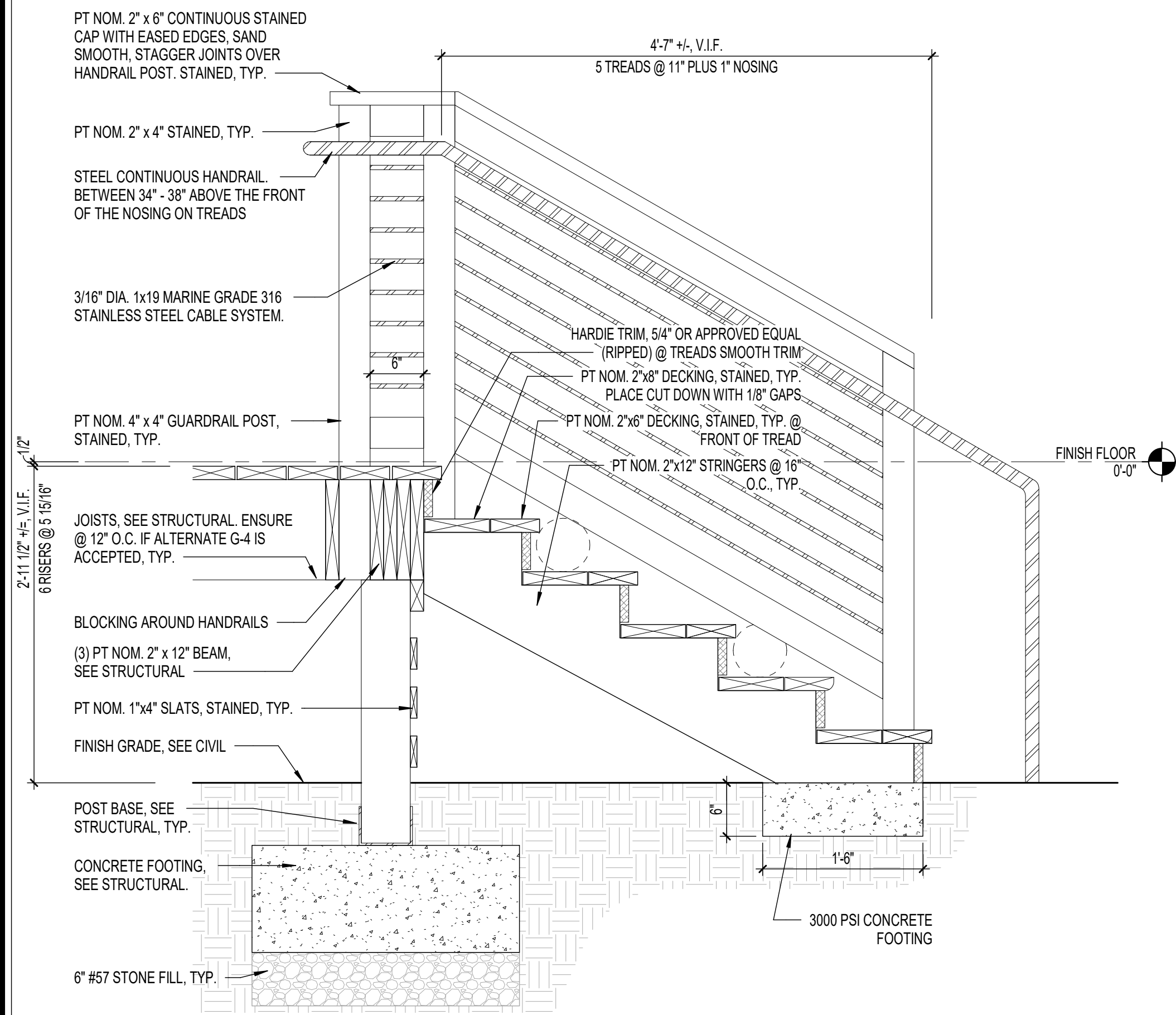
GENERAL NOTE:
 Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions	Description	Date

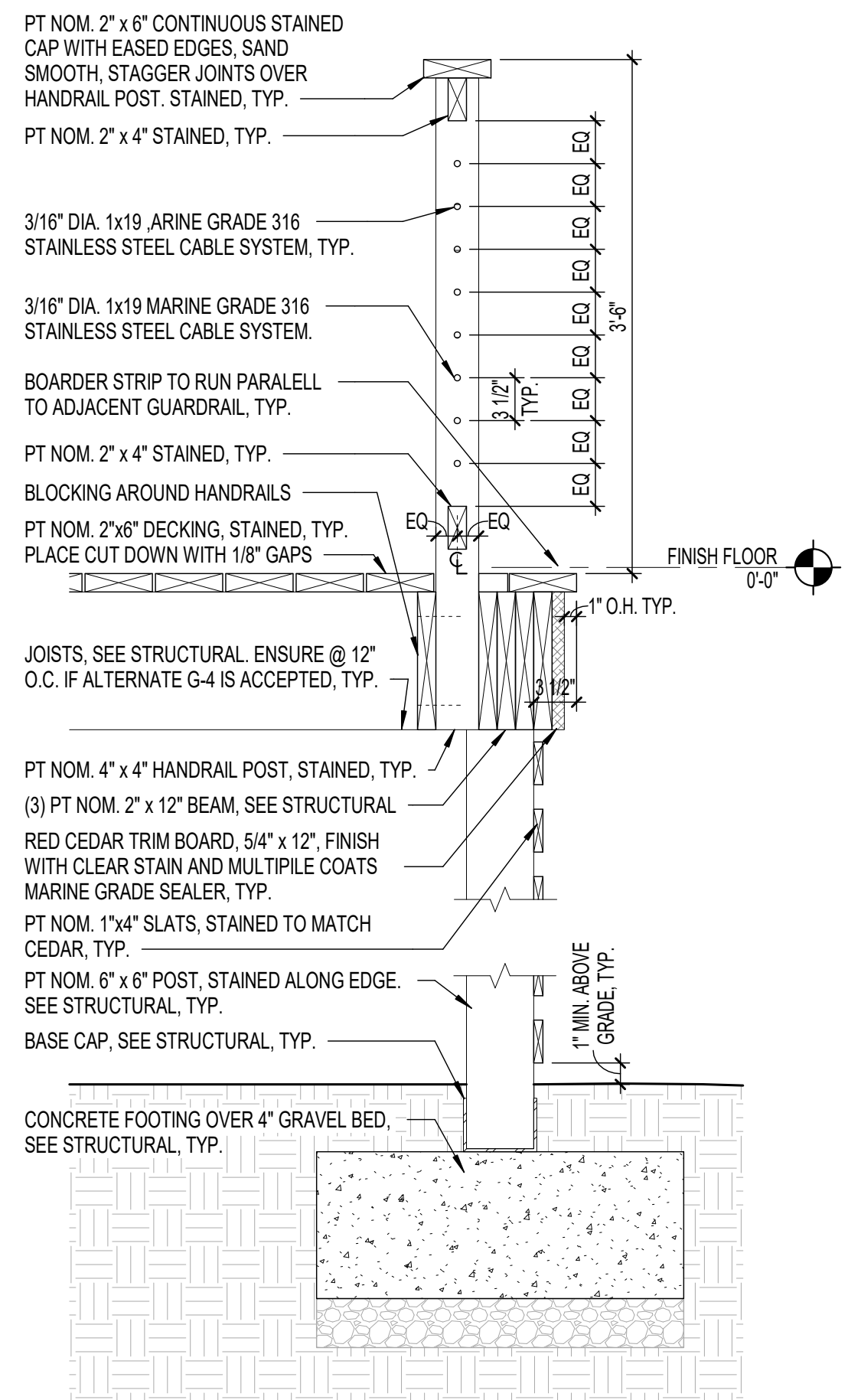
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FEB 12 2024	22042
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TW	A5.1
Checked By	
DG	
Sheet Title	
DETAILS	



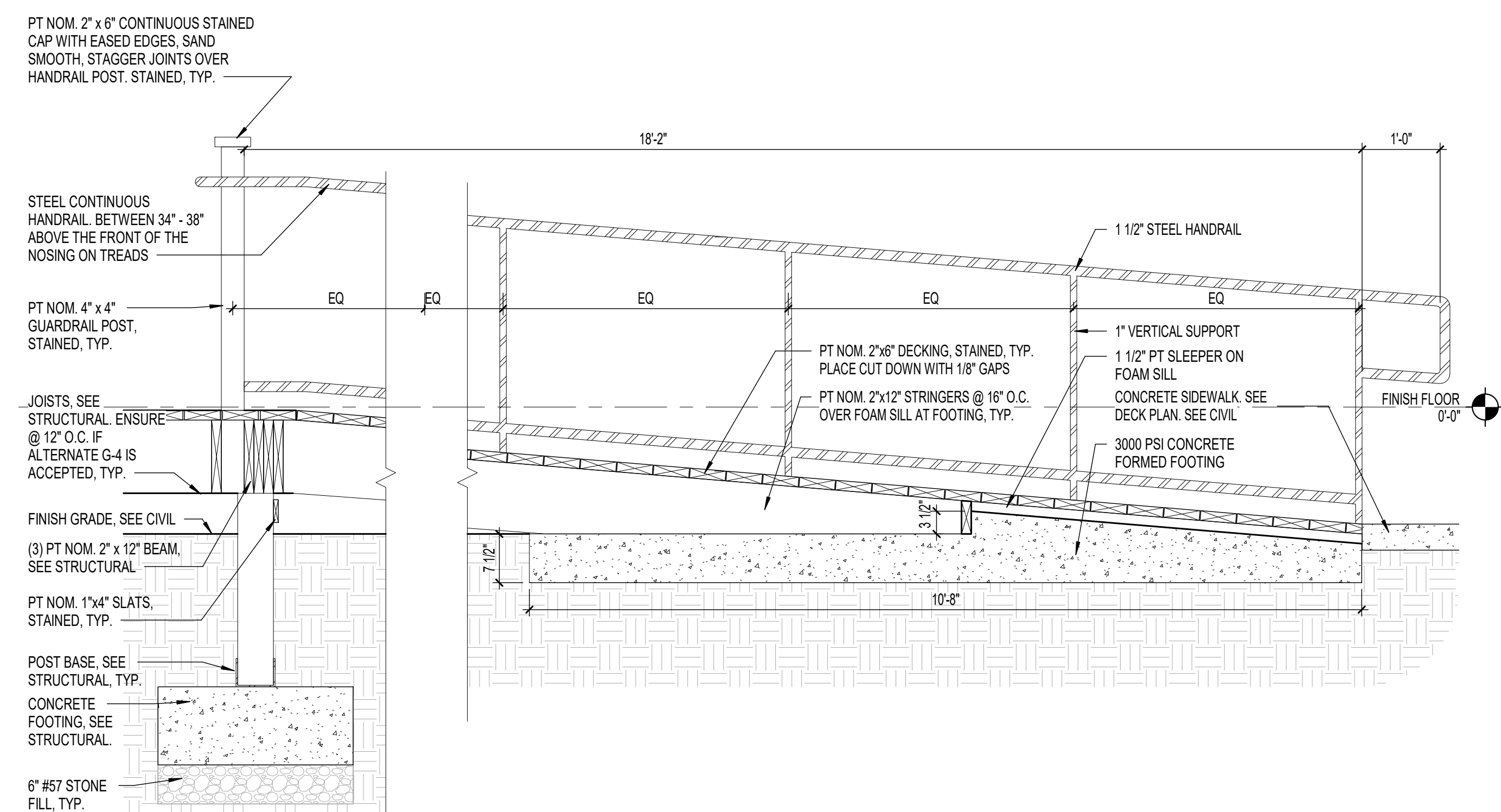
5
A5.2 **HANDRAIL DTL**
3" = 1'-0"



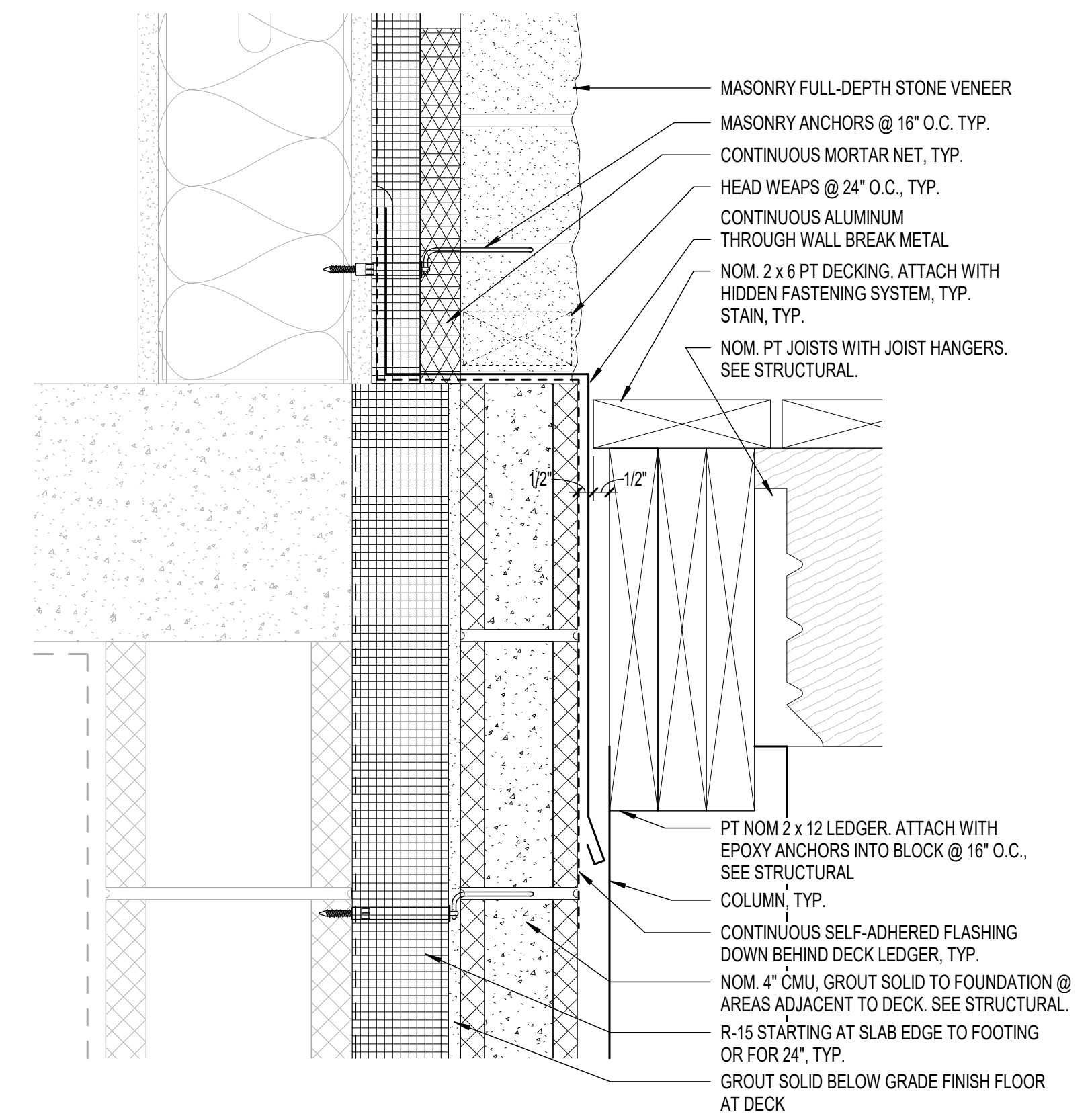
3
A5.2 **DECK STAIR DETAIL**
1" = 1'-0"



2
A5.2 **TYP. DECK EDGE DETAIL**
1" = 1'-0"



1
A5.2 **DECK RAMP DETAIL**
3/4" = 1'-0"



4
A5.2 **DECK ATTACHMENT DTL**
3" = 1'-0"

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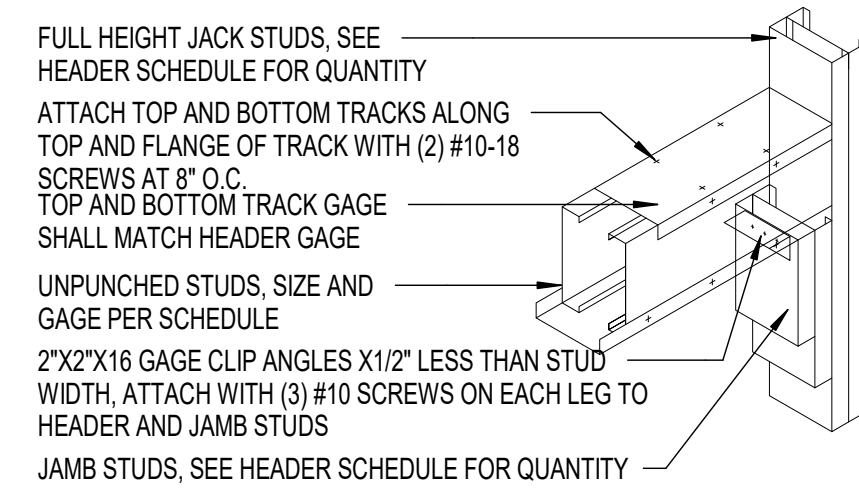
GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions		
#	Description	Date

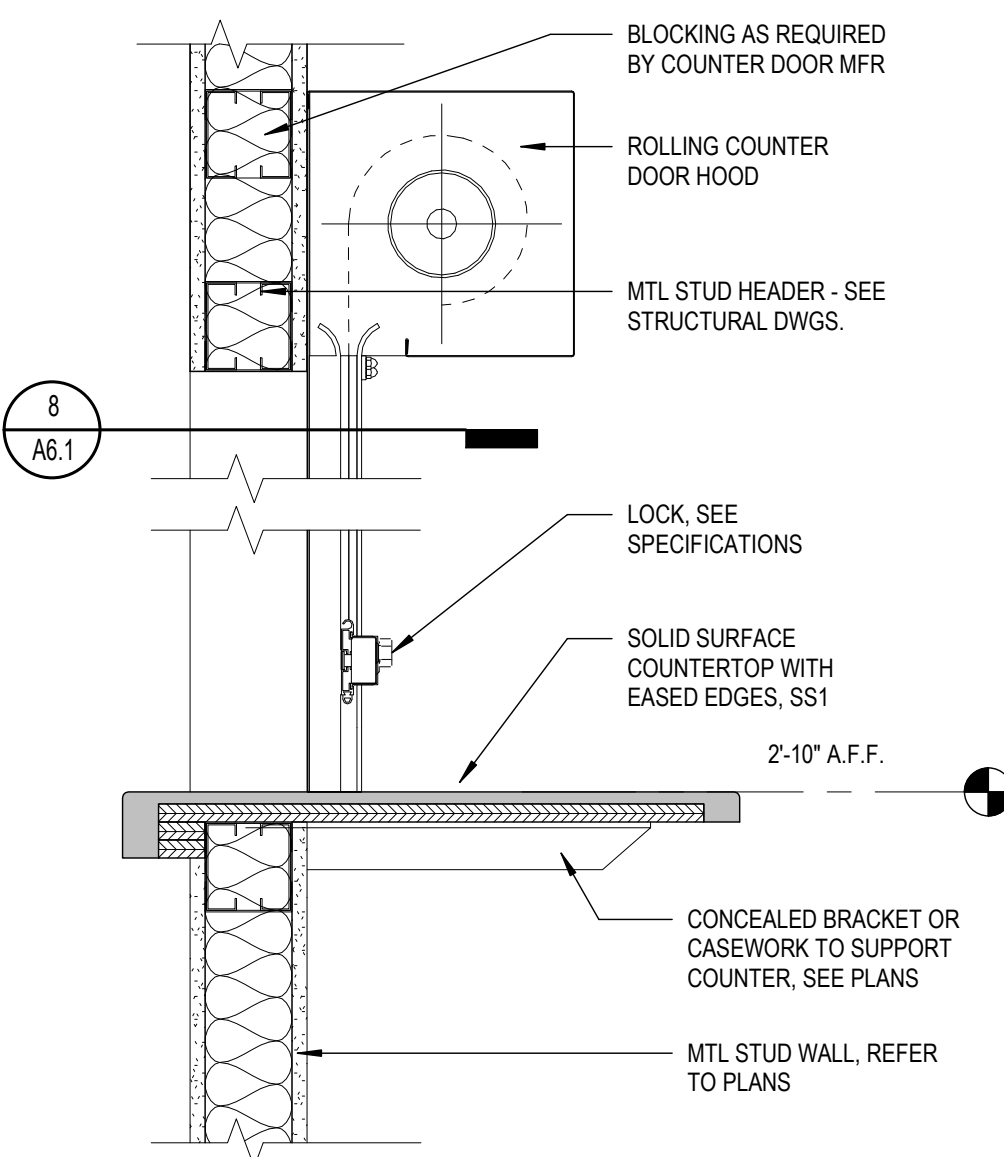
Date	Project No.
FEB 12 2024	22042
Drawn By	Sheet No.
TW	A5.2
Checked By	
DG	

Sheet Title
DETAILS - DECK

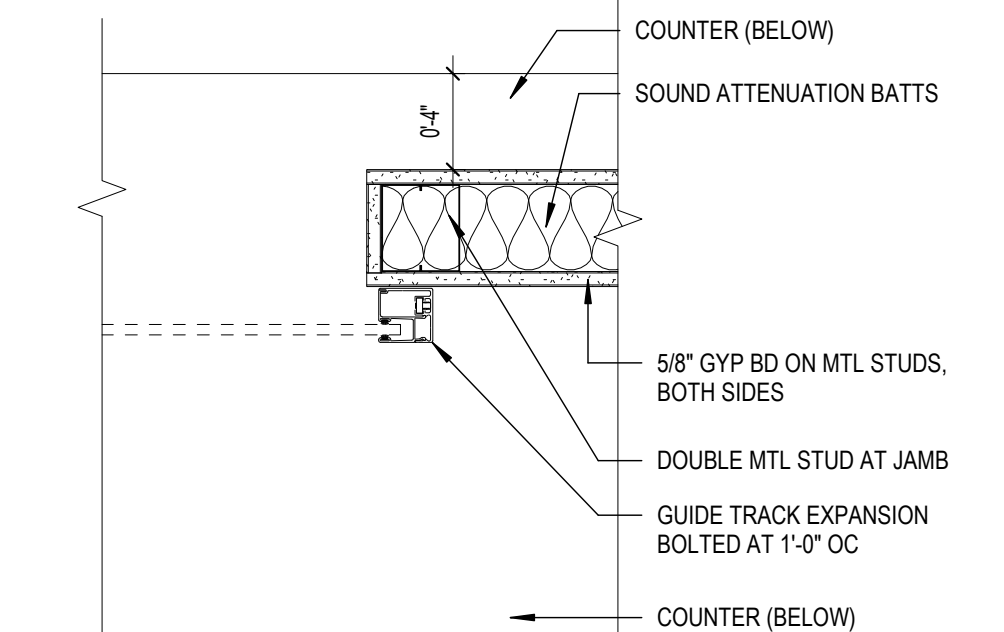
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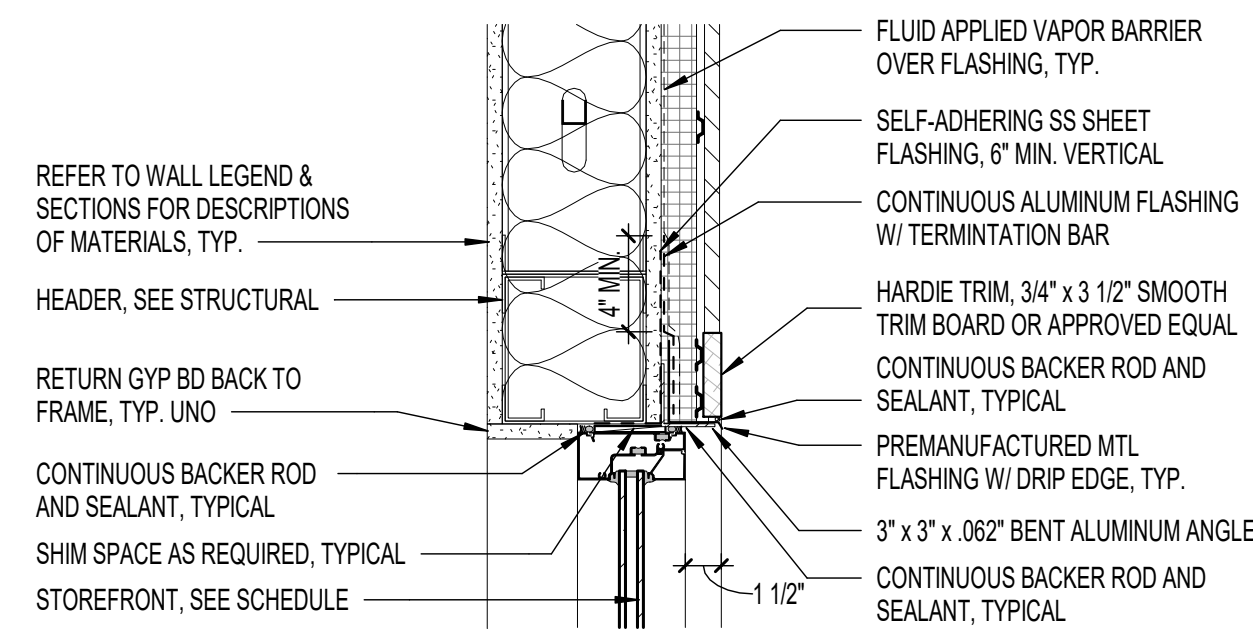
5 TYP INT. HEADER DETAIL
1/2" = 1'-0"



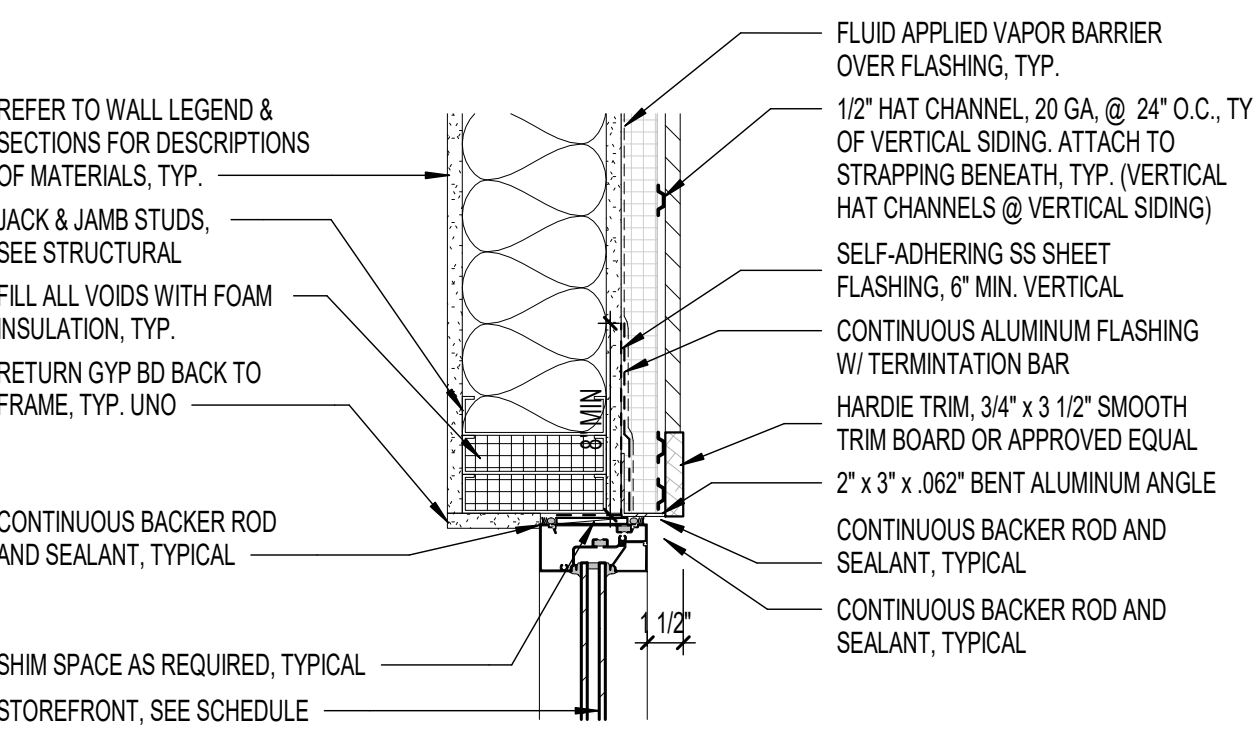
7 SECTION - INT - COILING
1 1/2" = 1'-0"



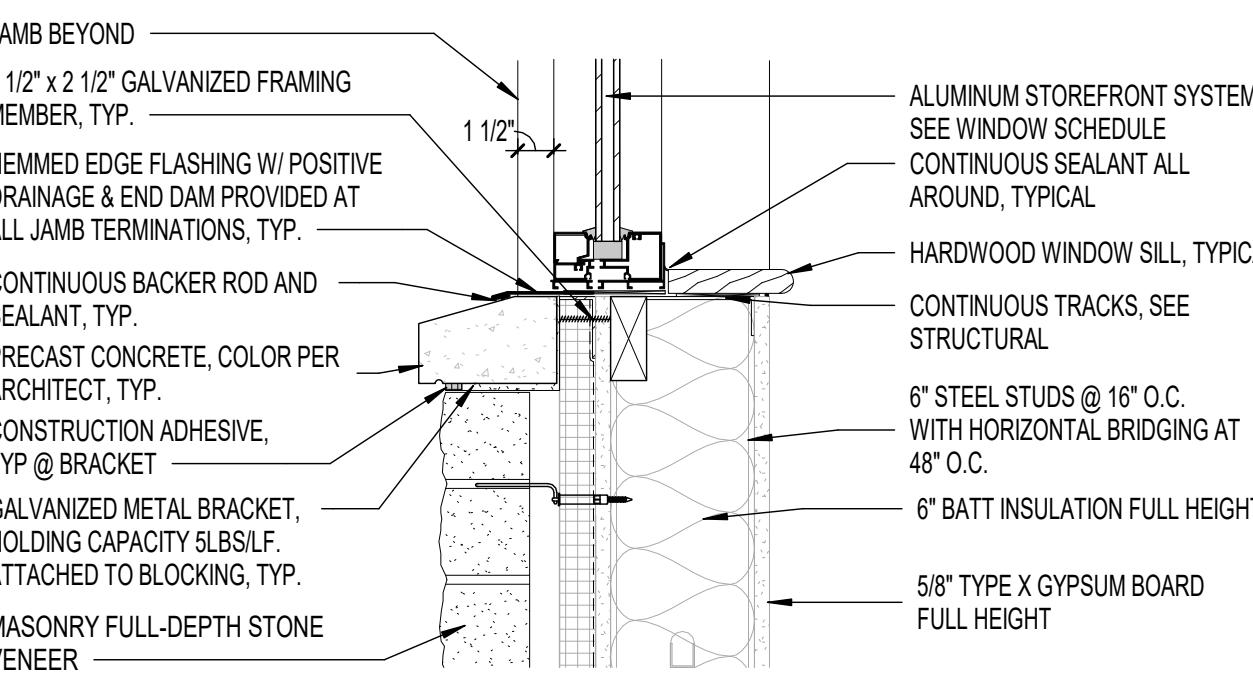
8 JAMB - INT - COILING WINDOW
1 1/2" = 1'-0"



9 HEAD - EXT - STOREFRONT
1 1/2" = 1'-0"



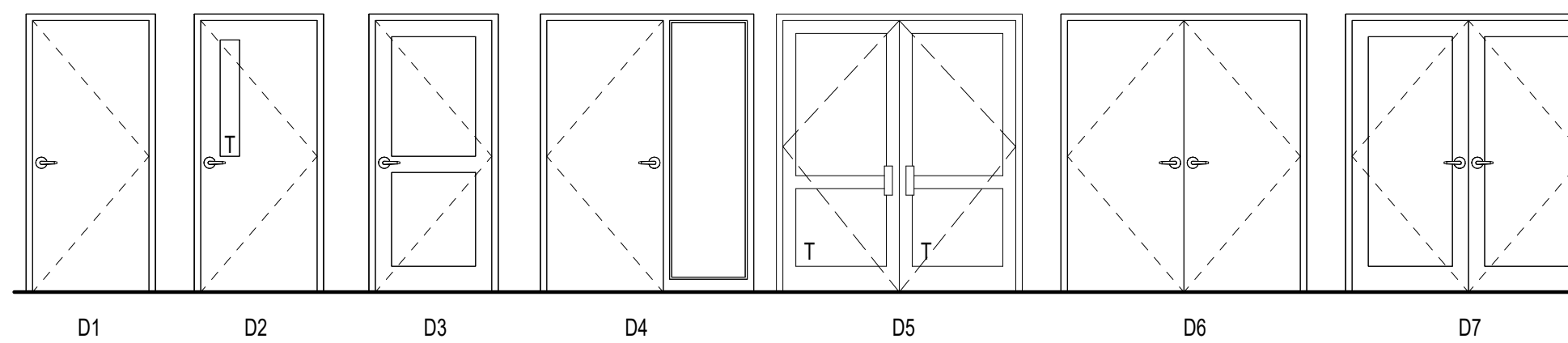
10 JAMB - EXT - STOREFRONT
1 1/2" = 1'-0"



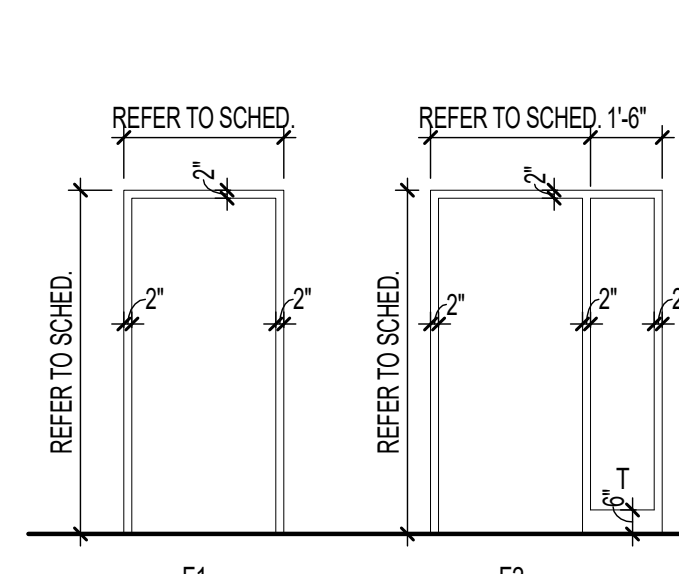
11 SILL - EXT - STOREFRONT AT STONE
1 1/2" = 1'-0"

DOOR SCHEDULE

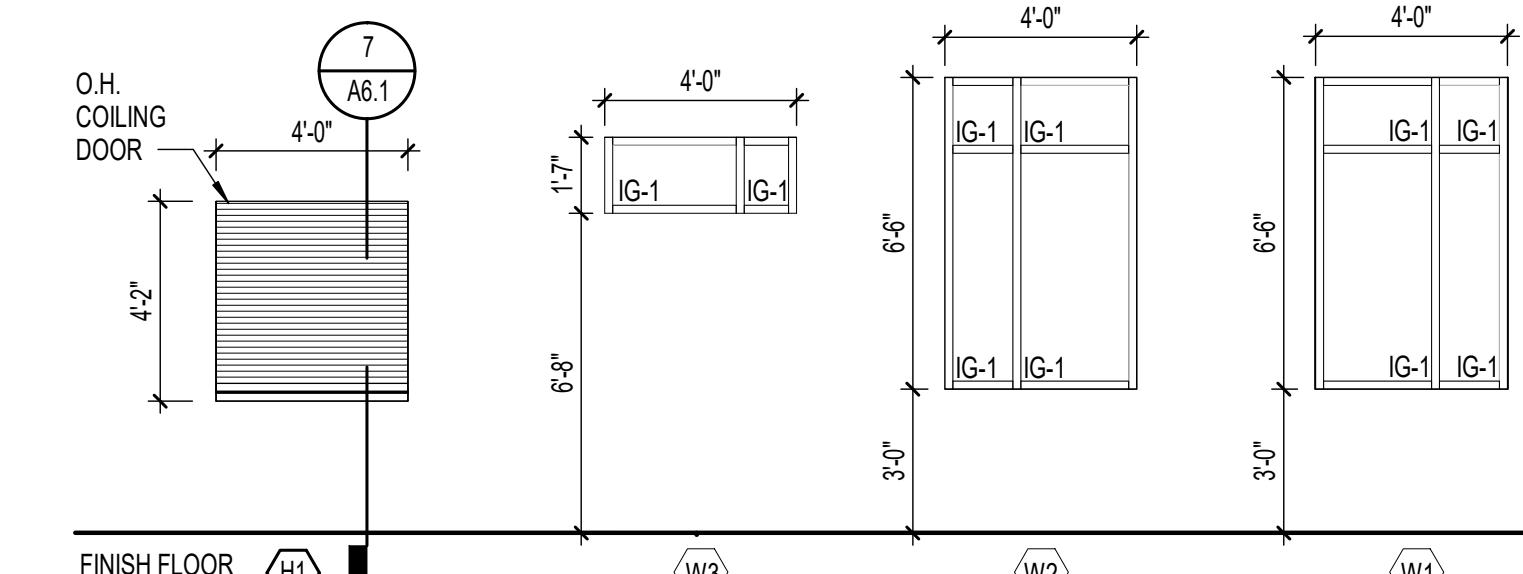
DOOR NUMBER	SIZE			DOOR				FRAME				REMARKS	
	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	GLAZING	ELEVATION	RATING	MATERIAL	FINISH	ELEVATION		RATING
100A	6'-10"	8'-0"	1 3/4"	ALUMINUM	PREFINISHED	1" DOUBLE PANE, LOW E, AIR FILLED, FULLY TEMPERED SAFETY GLASS	S1	-	ALUMINUM	PREFINISHED	S1	-	
100AB	6'-10"	8'-0"	1 3/4"	ALUMINUM	PREFINISHED	1" DOUBLE PANE, LOW E, AIR FILLED, FULLY TEMPERED SAFETY GLASS			ALUMINUM	PREFINISHED			
100B	3'-6"	7'-0"	1 3/4"	S.C. WOOD	FACTORY STAIN		D1	-	H.M.	PAINTED	F1	-	
101B	3'-4"	7'-0"	1 3/4"	H.M.	PAINTED	1/4" INSULATED TEMPERED, TINTED	D3	-	H.M.	PAINTED	F1	-	
101C	3'-4"	7'-0"	1 3/4"	H.M.	PAINTED	1/4" INSULATED TEMPERED, TINTED	D3	-	H.M.	PAINTED	F1	-	
102A	3'-6"	7'-0"	1 3/4"	S.C. WOOD	FACTORY STAIN		D1	-	H.M.	PAINTED	F1	-	
102B	7'-0"	7'-0"	1 3/4"	S.C. WOOD	PAINTED	1/4" TEMPERED			H.M.	PREFINISHED			
102C	3'-4"	7'-0"	1 3/4"	H.M.	PAINTED	1/4" INSULATED TEMPERED, TINTED	D3	-	H.M.	PAINTED	F1	-	
103A	3'-6"	7'-0"	1 3/4"	S.C. WOOD	FACTORY STAIN		D1	-	H.M.	PAINTED	F1	-	
103B	3'-6"	7'-0"	1 3/4"	S.C. WOOD	FACTORY STAIN		D1	-	H.M.	PAINTED	F1	-	
103C	3'-6"	7'-0"	1 3/4"	S.C. WOOD	FACTORY STAIN		D1	-	H.M.	PAINTED	F1	-	
103D	3'-4"	7'-0"	1 3/4"	H.M.	PAINTED	1/4" INSULATED TEMPERED, TINTED	D3	-	H.M.	PAINTED	F1	-	
104	3'-6"	7'-0"	1 3/4"	S.C. WOOD	FACTORY STAIN		D1	-	H.M.	PAINTED	F1	-	
105A	6'-0"	7'-0"	1 3/4"	S.C. WOOD	FACTORY STAIN		D6	-	H.M.	PAINTED	F1	-	
106B	7'-0"	7'-0"	1 3/4"	S.C. WOOD	PAINTED	1/4" TEMPERED	D7	-	H.M.	PAINTED	F1	-	
106C	3'-4"	7'-0"	1 3/4"	H.M.	PAINTED	1/4" INSULATED TEMPERED, TINTED	D3	-	H.M.	PAINTED	F1	-	
106	3'-6"	7'-0"	1 3/4"	S.C. WOOD	FACTORY STAIN		D1	-	H.M.	PAINTED	F1	-	
107	3'-6"	7'-0"	1 3/4"	S.C. WOOD	FACTORY STAIN		D1	-	H.M.	PAINTED	F1	-	
108	3'-6"	7'-0"	1 3/4"	S.C. WOOD	FACTORY STAIN	1/4" INSULATED TEMPERED	D2	-	H.M.	PAINTED	F1	-	
109	3'-6"	7'-0"	1 3/4"	S.C. WOOD	FACTORY STAIN	1/4" INSULATED TEMPERED	D4	-	H.M.	PAINTED	F2	-	
109A	3'-6"	7'-0"	1 3/4"	S.C. WOOD	FACTORY STAIN		D1	-	H.M.	PAINTED	F1	-	
110	3'-6"	7'-0"	1 3/4"	S.C. WOOD	FACTORY STAIN		D1	-	H.M.	PAINTED	F1	-	
111	3'-6"	7'-0"	1 3/4"	S.C. WOOD	FACTORY STAIN		D1	-	H.M.	PAINTED	F1	-	
112	3'-6"	7'-0"	1 3/4"	S.C. WOOD	FACTORY STAIN		D1	-	H.M.	PAINTED	F1	-	
113	3'-6"	7'-0"	1 3/4"	S.C. WOOD	FACTORY STAIN		D1	-	H.M.	PAINTED	F1	-	



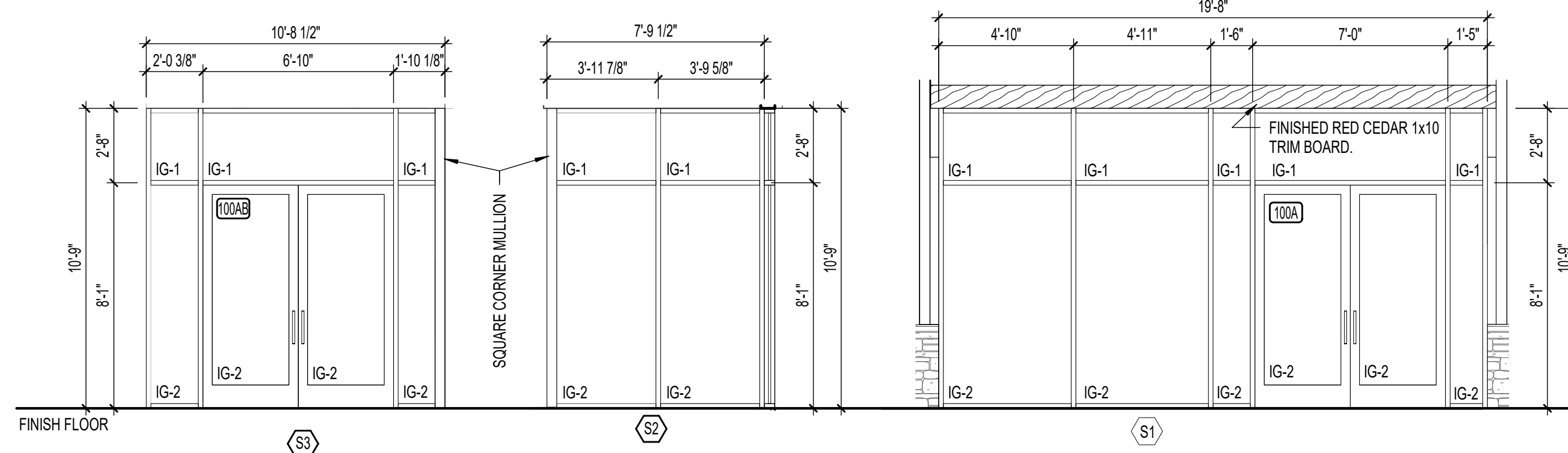
DOOR - ELEVATIONS
1/4" = 1'-0"



FRAME - ELEVATIONS
1/4" = 1'-0"



WINDOW - ELEVATIONS
1/4" = 1'-0"



STOREFRONT - ELEVATIONS
1/4" = 1'-0"

GENERAL DOOR NOTES

1. ALL HARDWARE SHALL MEET ALL APPLICABLE HANDICAP CODES.
2. TEMPERED GLAZING SHALL BE USED AS NOTED AND AS REQUIRED BY CODE.
3. EXTERIOR DOOR GLAZING SHALL BE 5/8" TEMPERED INSULATING, TYPICAL, U.N.O.
4. EXTERIOR DOOR GLAZING SHALL BE TINTED TO MATCH STOREFRONT GLAZING
5. FURNISH AND INSTALL DOOR CLOSERS AS SCHEDULED IN COMPLIANCE WITH ALL APPLICABLE CODES.
6. ALL HOLLOW METAL DOOR FRAMES SHALL BE FULLY WELDED TYPE, FACTORY PRIMED, AND FIELD PAINTED, COLOR PER ARCHITECT. INSTALL PER MANUFACTURER FOR PROPER INSTALLATION AND OPERATION FOR SPECIFIC APPLICATIONS.
7. ALL WOOD DOORS SHALL BE STAIN GRADE, SPECIES, AND COLOR PER ARCHITECT.
8. ALL ALUMINUM STOREFRONT AND DOORS SHALL BE PREFINISHED COLOR AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF COLORS.
9. DOOR THRESHOLDS SHALL BE 1/2" MAXIMUM HEIGHT.
10. ALL EXISTING DOORS, ASSOCIATED DOOR HARDWARE, AND FRAMES TO REMAIN SHALL BE ACCESSED PRIOR TO RENOVATION. ALL EXISTING DOORS, DOOR HARDWARE, AND FRAMES TO REMAIN SHALL BE CLEANED & REFURBISHED TO MATCH PROJECT STANDARDS.

LEGEND

- #H - INTERIOR HOLLOW METAL WINDOW ASSEMBLY, SEE SPECIFICATION.
- #W - EXTERIOR HOLLOW METAL WINDOW ASSEMBLY, SEE SPECIFICATION
- #S - INTERIOR ALUMINUM STOREFRONT
- #C - ALUMINUM CURTAIN WALL

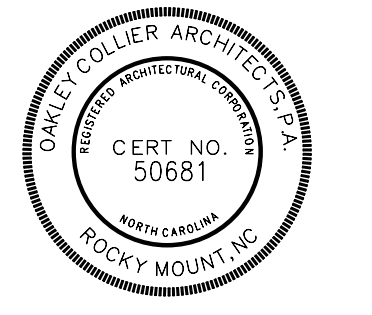
GLAZING

- IG - INSULATED GLASS
- SG - SAFETY GLASS
- RS - RATED SAFETY GLASS
- IG-1 - TINTED
- IG-2 - TINTED TEMPERED
- IG-4 - TINTED LAMINATED
- IG-5 - SPANDREL
- SG-CG - CLEAR
- SG-CT - CLEAR, TEMPERED
- SG-FT - FROSTED, TEMPERED

WINDOW NOTES

1. ALL EXTERIOR STOREFRONT GLAZING SHALL BE OUTSIDE GLAZED 1" INSULATING TINTED GLASS AS NOTED IN SCHEDULE, TYPICAL.
2. PROVIDE ALL NECESSARY FRAME ANCHORS AS REQUIRED FOR SPECIFIC INSTALLATIONS.
3. ALL GLAZING WITHIN 24" OF VERTICAL EDGE OF DOORS SHALL BE TEMPERED. TEMPERED GLAZING SHALL BE USED AS NOTED AND AS REQUIRED BY CODE.
4. ALL FRAMING SYSTEMS SHALL BE DESIGNED, ENGINEERED AND FABRICATED BY THE SYSTEM MANUFACTURER TO MEET ALL APPLICABLE CODES. SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION.
5. ALL FRAMING DIMENSIONS AS SHOWN ARE ROUGH OPENING DIMENSIONS. CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR EXACT FINISH DIMENSION AT JOB SITE PRIOR TO FABRICATION.
6. HORIZONTAL LOUVER BLINDS SHALL BE FURNISHED AND INSTALLED ON ALL EXTERIOR WINDOWS.

NEW CONSTRUCTION FOR



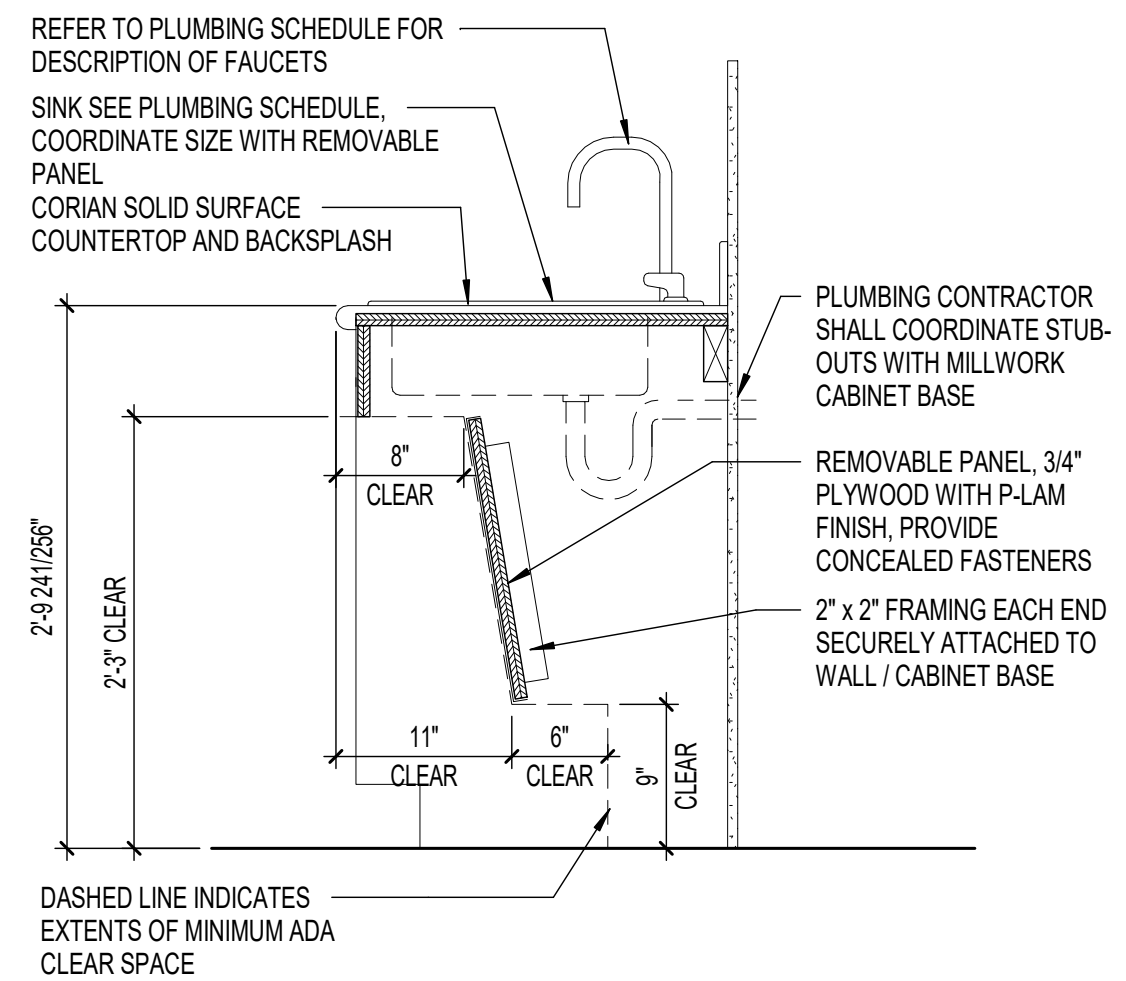
GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all dimensions.

Revisions	Description	Date

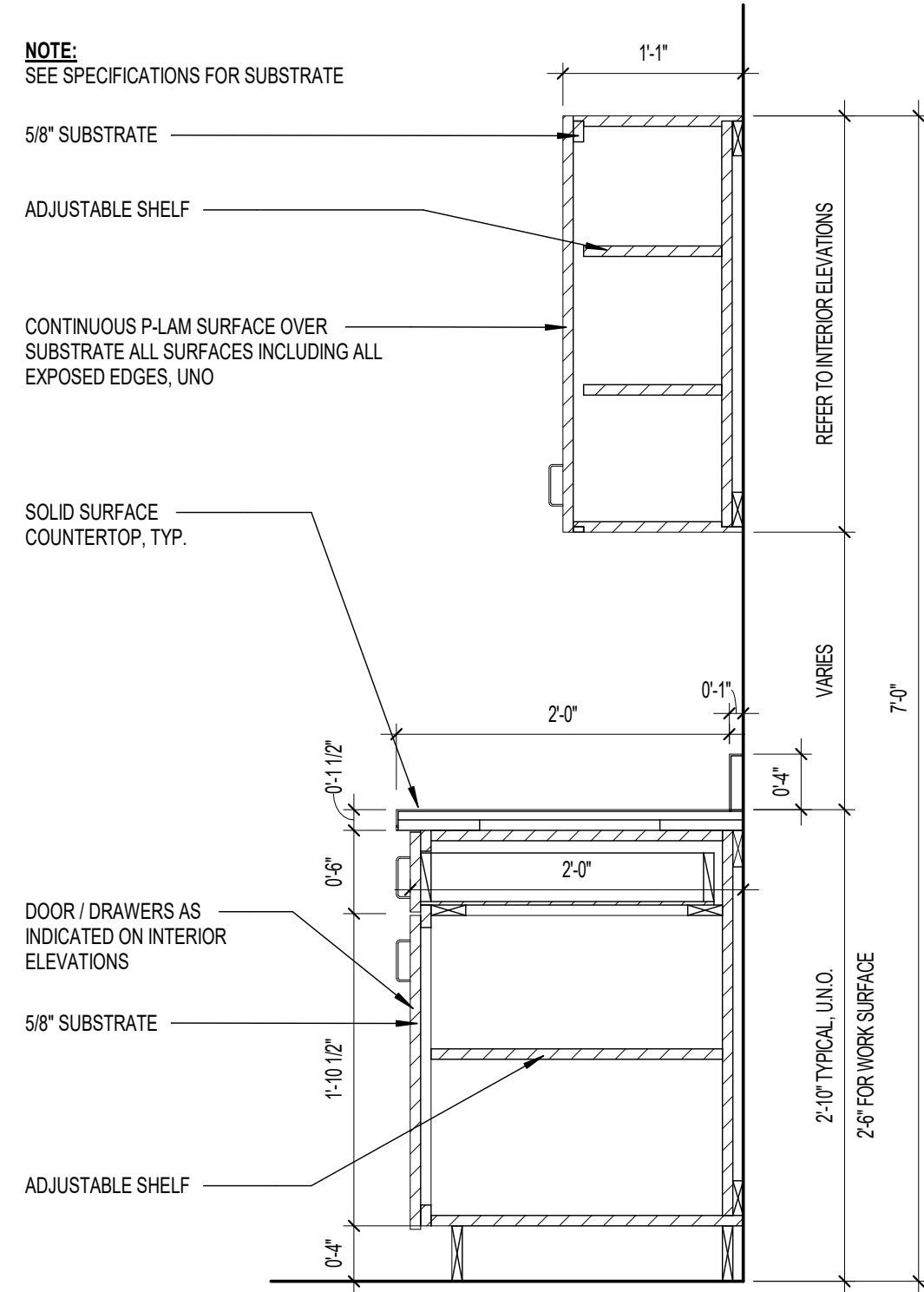
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Sheet Title
DOOR & WINDOW SCHEDULE

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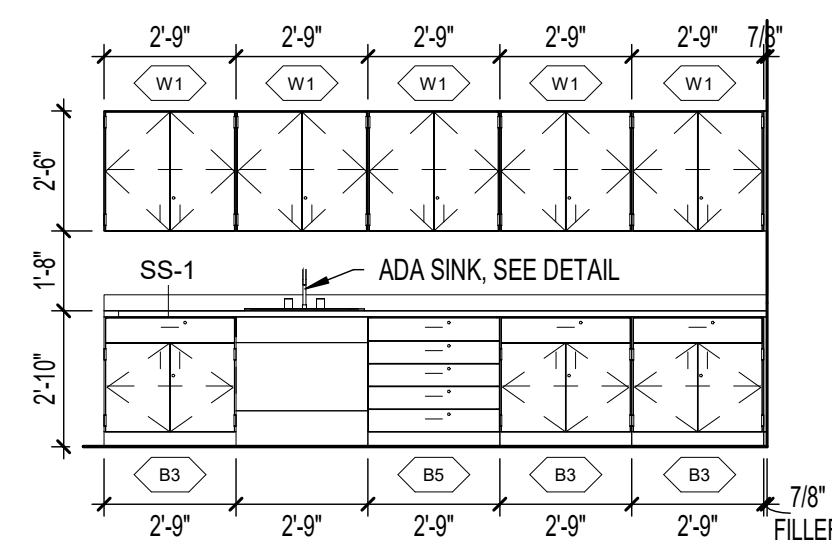


11 ADA SINK CABINETRY SOLID SURFACE
A7.1 1/4" = 1'-0"

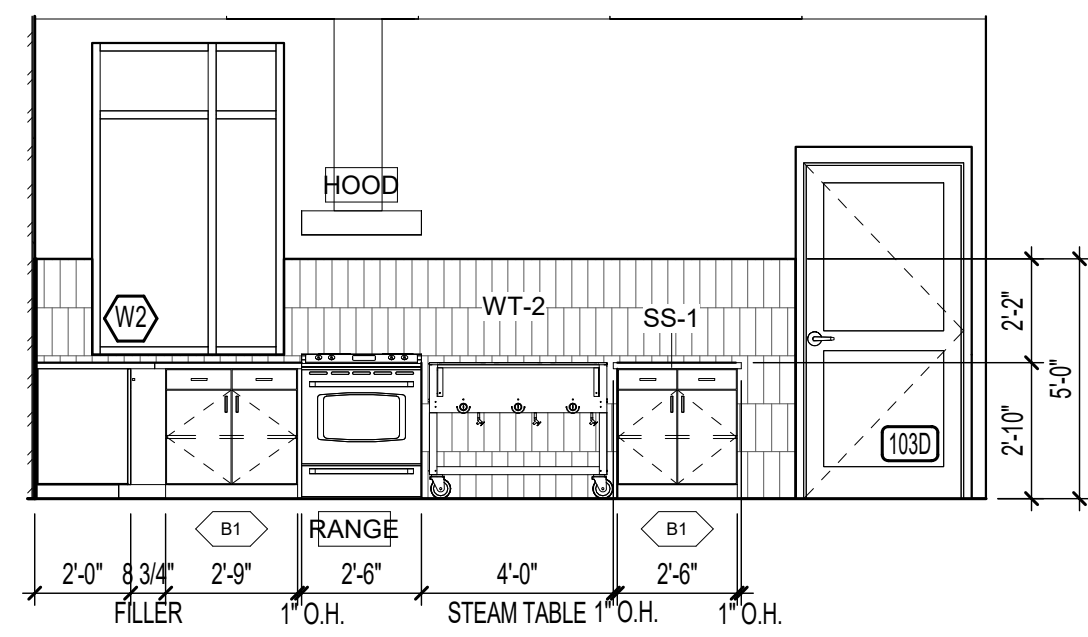


10 CASEWORK SECTION, U.O.N.
A7.1 1/4" = 1'-0"

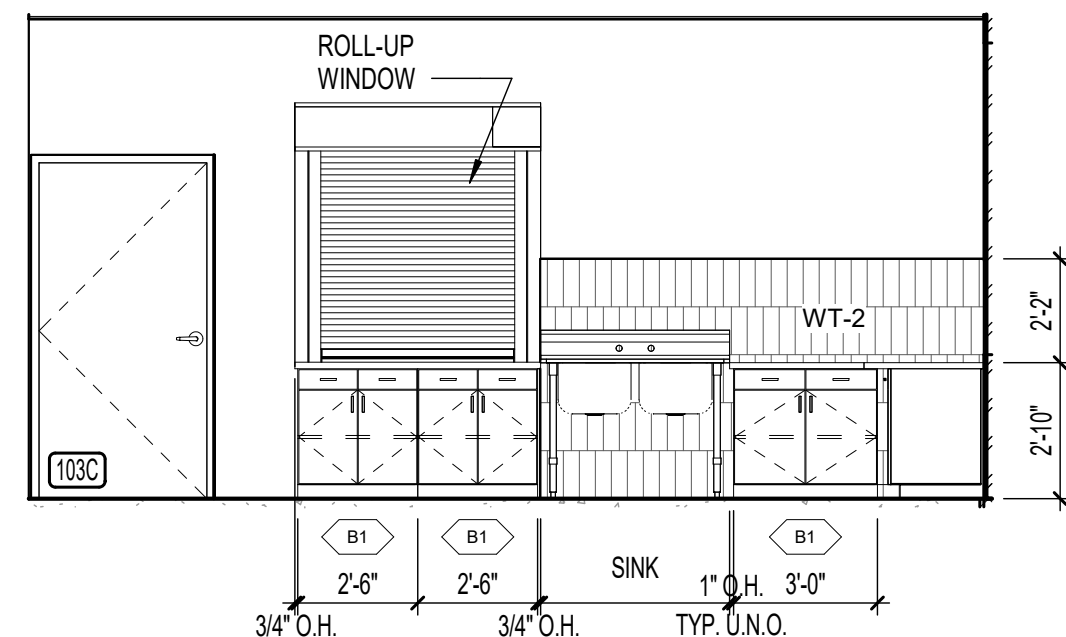
12 DINING 102 - CASEWORK
A7.1 1/4" = 1'-0"



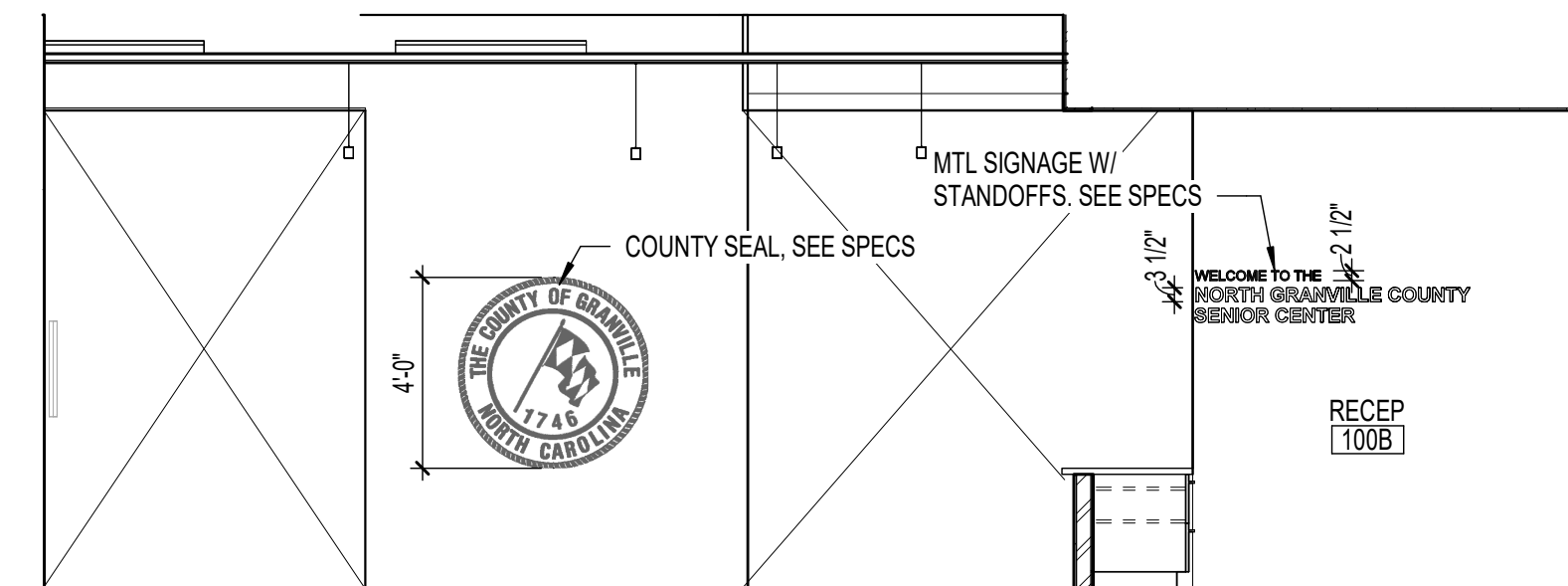
9 CRAFT ROOM 108 - CASEWORK
A7.1 1/4" = 1'-0"



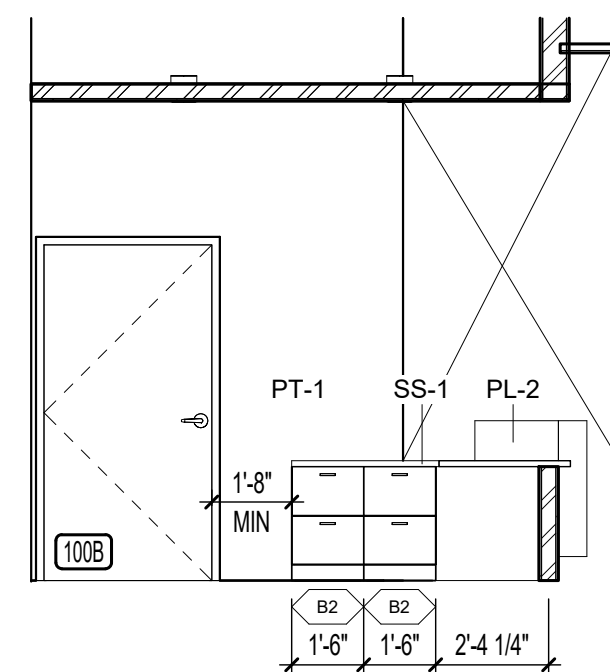
8 KITCHEN - N
A7.1 1/4" = 1'-0"



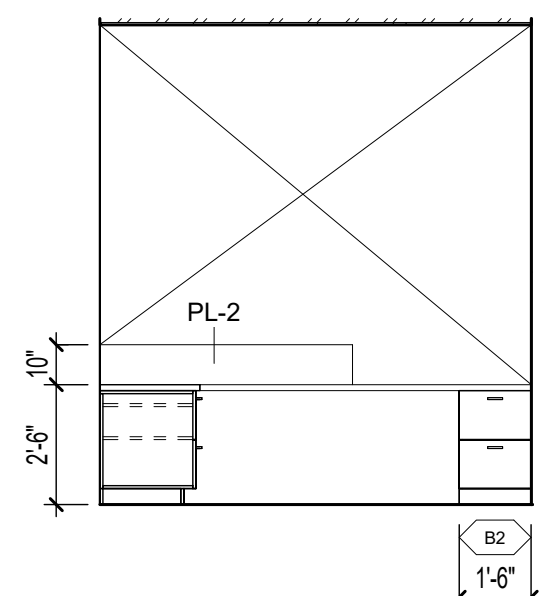
7 KITCHEN - W
A7.1 1/4" = 1'-0"



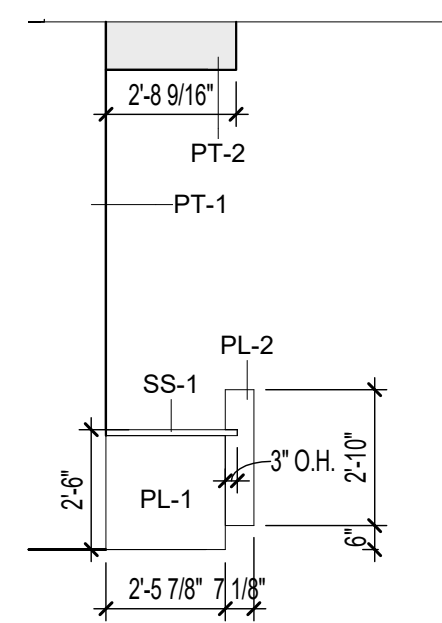
6 LOBBY 100 - E
A7.1 1/4" = 1'-0"



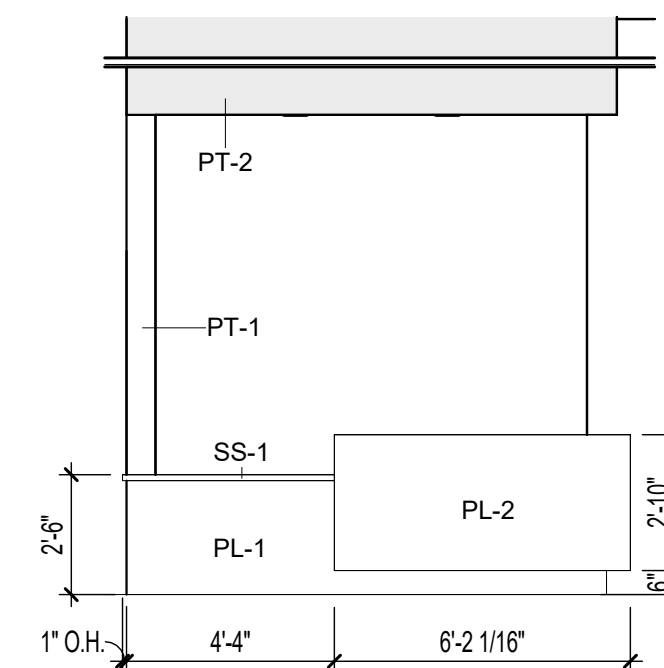
5 RECEPTION - INT. - W
A7.1 1/4" = 1'-0"



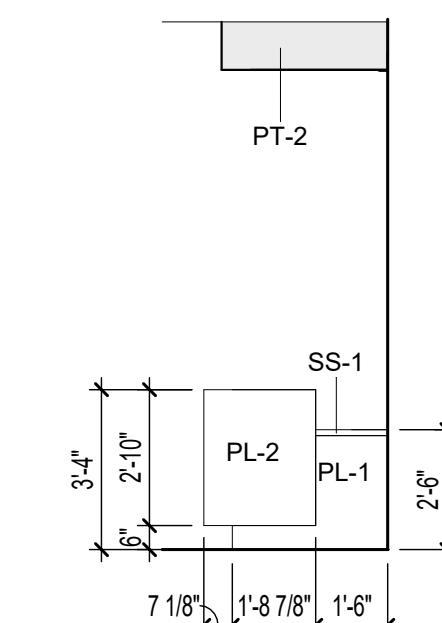
4 RECEPTION - INT. - S
A7.1 1/4" = 1'-0"



3 RECEPTION - EXT. - E
A7.1 1/4" = 1'-0"



2 RECEPTION - EXT. - N
A7.1 1/4" = 1'-0"



1 RECEPTION - EXT. - W
A7.1 1/4" = 1'-0"

CASEWORK NOTES & LEGENDS

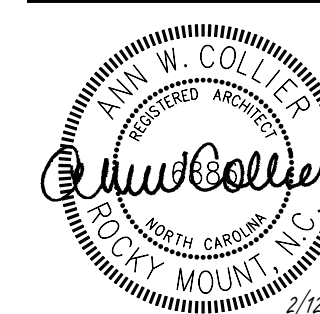
MARK	DESCRIPTION
B1	2'-0" DEEP BASE CABINET; TWO HINGED DOORS AND TWO 6" HIGH DRAWERS AND ONE ADJUSTABLE SHELF. PROVIDE FIXED VERTICAL DIVIDER IN UNITS MORE THAN 3'-0" WIDE. HEIGHT/WIDTH VARIES.
B2	2'-0" DEEP BASE CABINET; TWO DRAWERS, ONE FILE DRAWER. HEIGHT/WIDTH VARIES.
B3	2'-0" DEEP BASE CABINET; ONE HINGED DOOR WITH ONE ADJUSTABLE SHELF, ONE 6" HIGH DRAWER. HEIGHT/WIDTH VARIES.
B4	2'-0" SINK CABINET; TWO HINGED DOORS WITH ATTACHED BASEBOARD. SEE SECTION THROUGH TYPICAL ADA SINK CABINETRY, DETAIL.
B5	2'-0" DEEP BASE CABINET; FIVE DRAWERS. HEIGHT/WIDTH VARIES.
W1	1'-0" DEEP WALL CABINET; TWO HINGED DOORS & TWO ADJUSTABLE SHELVES. PROVIDE FIXED VERTICAL DIVIDER IN UNITS MORE THAN 3'-0" WIDE. HEIGHT/WIDTH VARIES. FOR HEIGHTS OVER 4'-0" INCREASE TO THREE ADJUSTABLE SHELVES.
W2	1'-0" DEEP WALL CABINET; TWO HINGED DOORS & ONE ADJUSTABLE SHELF. PROVIDE FIXED VERTICAL DIVIDER IN UNITS MORE THAN 3'-0" WIDE. HEIGHT/WIDTH VARIES.
W3	1'-0" DEEP WALL CABINET; ONE HINGED DOOR & TWO ADJUSTABLE SHELVES. HEIGHT/WIDTH VARIES. FOR HEIGHTS OVER 4'-0" INCREASE TO THREE ADJUSTABLE SHELVES.
T3	2'-0" DEEP, 7'-0" TALL STORAGE CABINET; ONE HINGED DOOR WITH FIVE ADJUSTABLE SHELVES. WIDTH VARIES.

- ALL CASEWORK SHOWN IS MANUFACTURED PLASTIC LAMINATE CASEWORK, TYPICAL UNLESS NOTED OTHERWISE.
- PROVIDE SUPPORT BRACKETS AS REQUIRED/RECOMMENDED BY MANUFACTURER.
- GC TO PROVIDE ALL BLOCKING REQUIRED BY CASEWORK MANUFACTURER.
- PROVIDE LOCKS ON CASEWORK WHERE NOTED IN ELEVATIONS.

CABINETRY NOTES

- PROVIDE PLASTIC LAMINATE FINISH ON ALL EXPOSED SURFACES INCLUDING DOOR AND DRAWER EDGES. COLOR AND PATTERN AS SELECTED BY OWNER FROM MANUFACTURER'S FULL RANGE.
- PROVIDE HIGH PRESSURE PLASTIC LAMINATE FINISH ON ALL COUNTER TOPS UNLESS NOTED OTHERWISE. COLOR AND PATTERN AS SELECTED BY OWNER FROM MANUFACTURER'S FULL RANGE.
- PROVIDE MELAMINE FINISH ON ALL INTERIOR SURFACES AS SPECIFIED. COLOR AS SELECTED BY OWNER FROM MANUFACTURER'S FULL RANGE.
- PROVIDE STANDARD "WIPE" DOOR AND DRAWER PULLS, TYPICAL.
- PROVIDE CONCEALED HINGES FOR ALL DOORS, TYPICAL.
- PROVIDE FULL EXTENSION SLIDES ON ALL DRAWERS.
- PROVIDE 3/4" MELAMINE FINISH ADJUSTABLE SHELVING FOR ALL UPPER AND BASE CABINETS AS INDICATED, TYPICAL. PRE DRILL HOLES AT 1 1/4" O.C. AND PROVIDE METAL SHELF CLIPS.
- PROVIDE 3/4" THICK DRAWER AND DOOR FACES, TYPICAL.
- FIELD VERIFY ALL DIMENSIONS, SQUARE AND PLUMB OF WALLS TO ENSURE PROPER FIT OF ALL CABINETRY, TYPICAL.
- SUBMIT SHOP DRAWINGS PER SPECIFICATIONS OF ALL CABINETRY AND RELATED ITEMS FOR REVIEW PRIOR TO FABRICATION, TYPICAL.
- FURNISH AND INSTALL ALL BLOCKING AS REQUIRED FOR PROPER INSTALLATION OF ALL CABINETRY, COORDINATE INSTALLATION OF BLOCKING WITH CABINET SUPPLIER.
- ALL APPLICANCES WILL BE FURNISHED BY THE OWNER AND INSTALLED BY THE CONTRACTOR. VERIFY APPLIANCE SIZES WITH MANUFACTURER'S CUT SHEETS. CUT SHEETS SHALL BE PROVIDED BY THE OWNER.

NEW CONSTRUCTION FOR



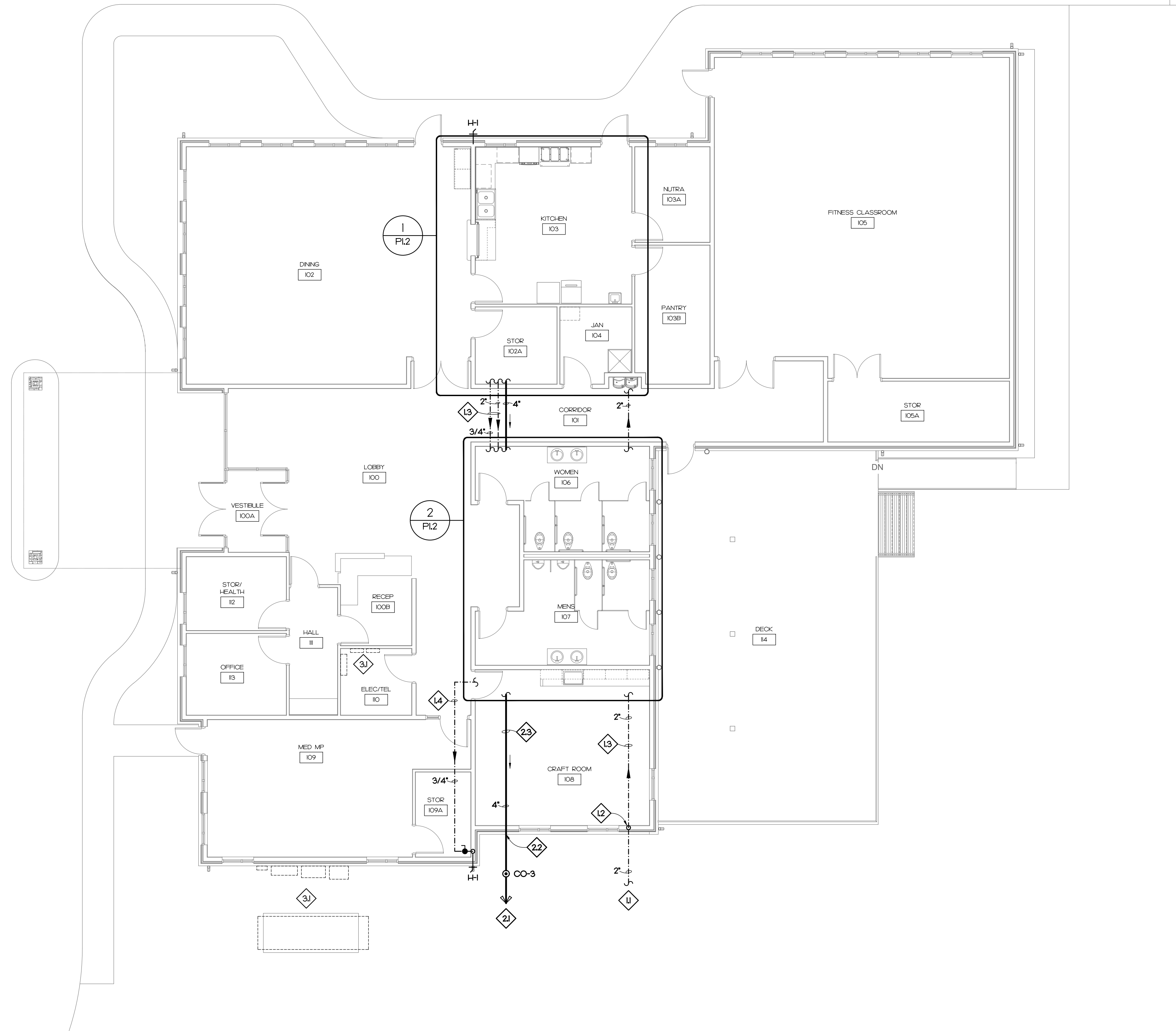
GENERAL NOTE:
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Revisions	Description	Date

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DG	

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CASEWORK & INTERIOR ELEVATIONS

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1 PLUMBING PLAN
P1.1 1/8" = 1'-0"

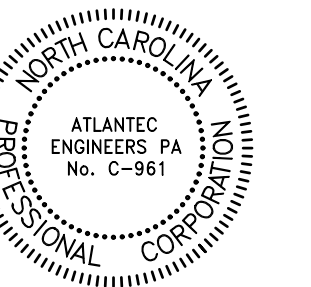
PLUMBING KEY NOTES

- U) 2" COLD WATER PIPE BELOW FINISHED GRADE. PLUMBING CONTRACTOR'S WORK BEGINS 5'-0" OUTSIDE BUILDING. SEE SITE PLAN FOR CONTINUATION, BACKFLOW PREVENTER AND WATER METER.
- L2) RISE UP IN WALL TO ABOVE FINISHED CEILING.
- L3) WATER PIPING ABOVE FINISHED CEILING. COORDINATE LOCATION WITH MECHANICAL AND ELECTRICAL CONTRACTORS.
- 2) 4" SANITARY SEWER PIPE BELOW FINISHED GRADE. PLUMBING CONTRACTOR'S WORK EXTENDS 5'-0" OUTSIDE BUILDING. SEE SITE PLAN FOR CONTINUATION.
- 22) INVERT ELEVATION IS TO BE 2'32" BELOW FINISHED FLOOR.
- 23) SANITARY SEWER PIPE BELOW FINISHED FLOOR.
- 3) ELECTRICAL EQUIPMENT BY ELECTRICAL CONTRACTOR.

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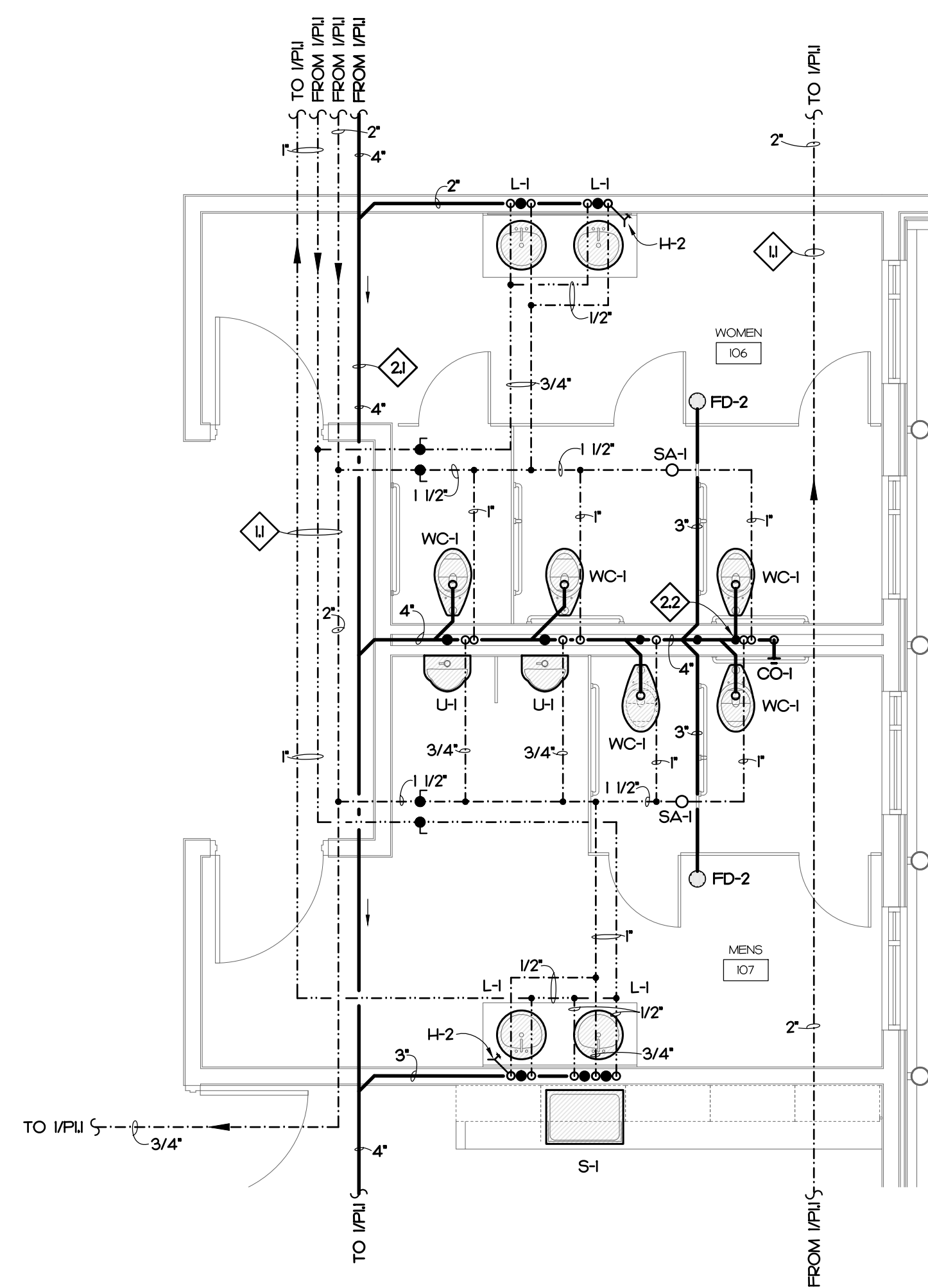
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PLUMBING PLAN	

PLUMBING KEY NOTES

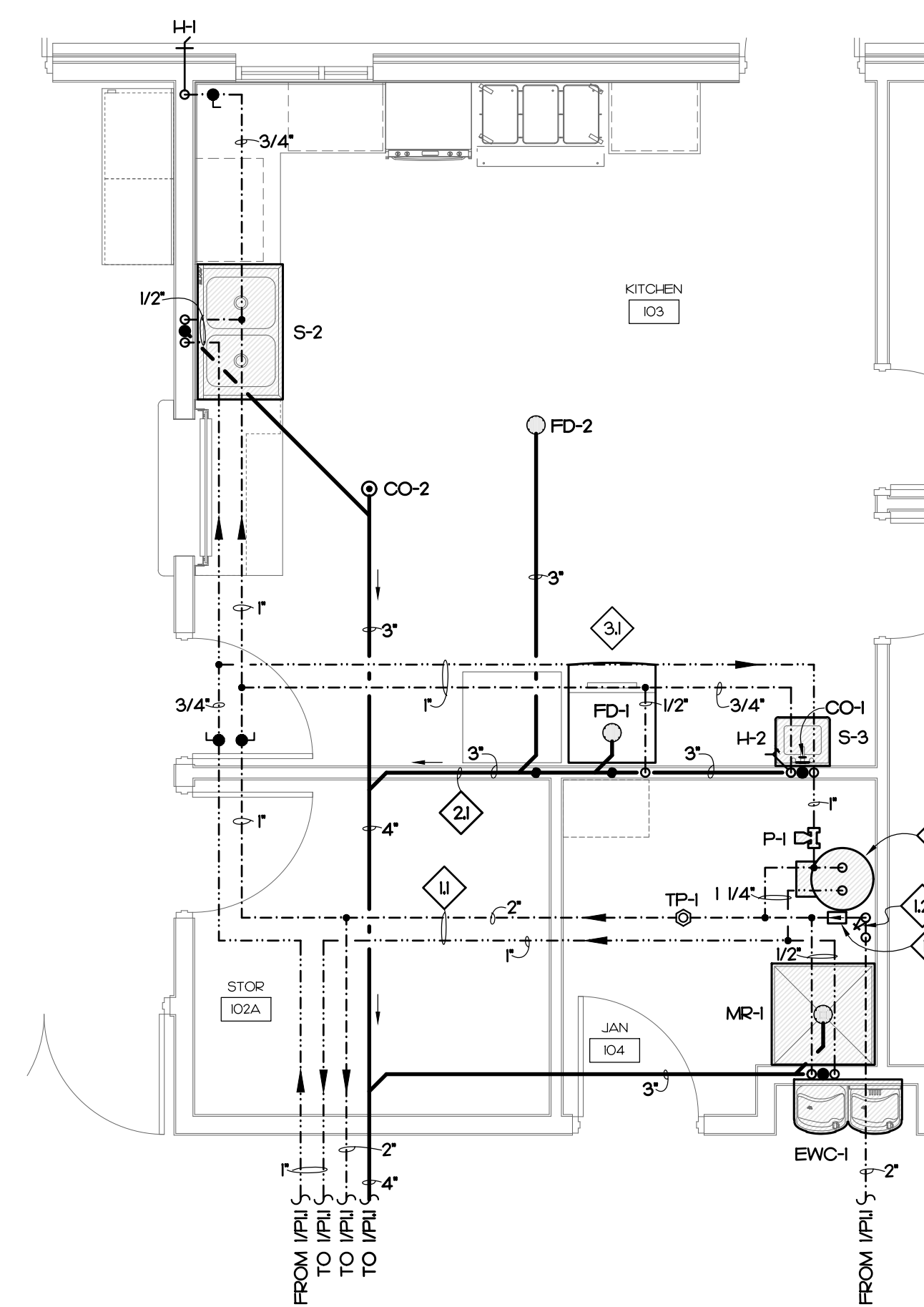
- 1) WATER PIPING ABOVE FINISHED CEILING. COORDINATE LOCATION WITH MECHANICAL AND ELECTRICAL CONTRACTORS.
- 2) SANITARY SEWER PIPE BELOW FINISHED FLOOR.
- 2.2) SANITARY TEE

PLUMBING KEY NOTES

- 1) WATER PIPING ABOVE FINISHED CEILING. COORDINATE LOCATION WITH MECHANICAL AND ELECTRICAL CONTRACTORS.
- 1.2) MAIN SHUT OFF VALVE.
- 1.3) WATER HEATER (WH) LOCATED ON FLOOR.
- 1.4) WATER FLOW METER WITH AUTOMATIC SHUTOFF, FLOLOGIC, 2" WATER LINE
- 2) SANITARY SEWER PIPE BELOW FINISHED FLOOR.
- 3) ICE MACHINE, ESSENTIAL MODEL NO. UN324. PROVIDE WITH SSM WATER FILTERS.



2 ENLARGED PLUMBING PLAN
P1.2 1/4" = 1'-0"



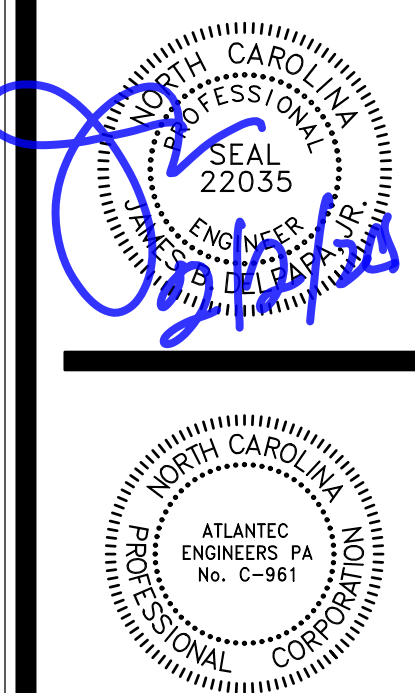
1 ENLARGED PLUMBING PLAN
P1.1 1/4" = 1'-0"

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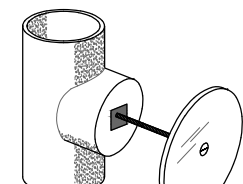
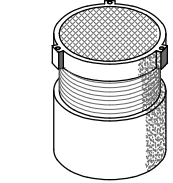
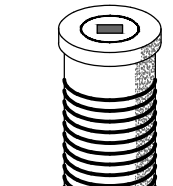
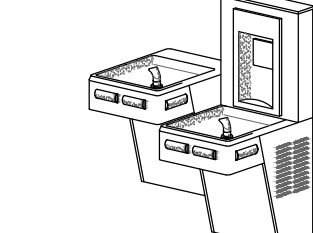
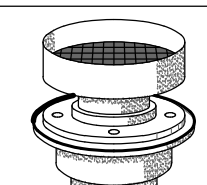
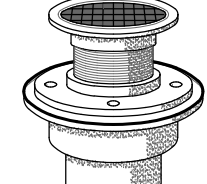
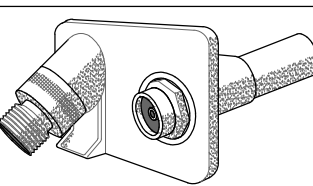
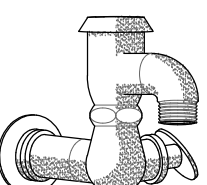
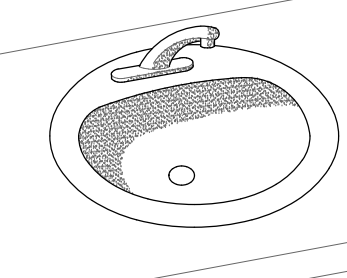
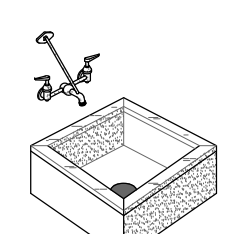
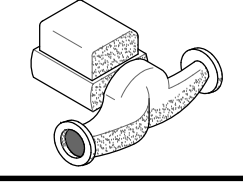
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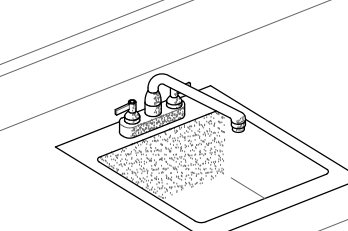
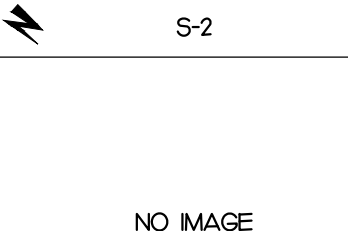
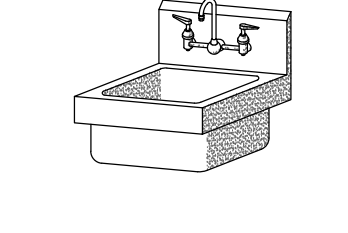
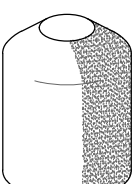
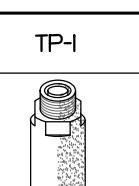
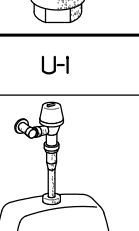

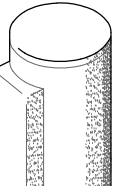
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Sheet Title	
ENLARGED PLUMBING PLANS	



PLUMBING FIXTURE SCHEDULE

SYMBOL / IMAGE	DESCRIPTION	3 - EQUALS						PIPING CONNECTIONS		
		MANUFACTURER	MODEL NUMBER	MANUFACTURER	MODEL NUMBER	MANUFACTURER	MODEL NUMBER	COLD WATER	HOT WATER	SANITARY SEWER
	WALL CLEANOUT	ZURN	CO-2413-PVC	MFAB		JR SMITH				SEE PLUMB DRAWINGS
	ACCESS COVER	ZURN	CO-2530-SS	MFAB		JR SMITH				
PVC CLEANOUT BODY AND PLUG TO BE GAS AND WATER TIGHT. PLUG TO HAVE A BRASS THREADED INSERT TO RECEIVE SECURING SCREW FOR STAINLESS STEEL ROUND ACCESS COVER.										
	FLOOR CLEANOUT	ZURN	CO2449	MFAB		JR SMITH				SEE PLUMB DRAWINGS
PVC CLEANOUT WITH AN ADJUSTABLE PVC RISER, NICKEL BRONZE FRAME AND COVER, AND AN ABS TAPER THREADED PLUG. CLEANOUT TO BE GAS AND WATERTIGHT.										
	EXTERIOR CLEANOUT	ZURN	Z-4449-EP	WATTS	CO-380-34B	JR SMITH	4283			SEE PLUMB DRAWINGS
CLEANOUT FERRULE WITH CAST IRON BODY, WITH GAS AND WATERTIGHT BRONZE PLUG, MOUNT IN CONCRETE.										
	WATER COOLER	OASIS	P85FSL	ELKAY	LZSTL8WS	HALSEY TAYLOR	HTH-BHACDPLV-WF	1/2"		2"
PROVIDE WITH FRONT AND SIDE CONTROLS, SHUT-OFF VALVE, CARRIER, AND TRAP. PROVIDE STAINLESS STEEL FINISH. PROVIDE WITH BOTTLE FILLER.										
	FLOOR DRAIN	ZURN	ZN45I	WATTS	FD-100-ER	MFAB	F100-CC-DD	1/2"		3"
FLOOR DRAIN TO HAVE A CAST IRON BODY WITH 3" BOTTOM OUTLET, ADJUSTABLE COLLAR, POLISHED 7" DIAMETER NICKEL BRONZE STRAINER, AND 1/2" TRAP PRIMER CONNECTION.										
	FLOOR DRAIN	ZURN	ZN45H	WATTS	FD-100-FC	MFAB	F100-C	1/2"		3"
FLOOR DRAIN TO HAVE A 3" WASTE BOTTOM OUTLET, CAST IRON BODY WITH ADJUSTABLE COLLAR, POLISHED NICKEL BRONZE ROUND HEELPROOF STRAINER, AND 1/2" TRAP PRIMER CONNECTION.										
	ANTIFREEZE HOSE BIBB	WOODFORD	65	WATTS	HY-420	MFAB	MHY-5	3/4"		
ANTIFREEZE HOSE BIBB SHALL HAVE AUTOMATIC DRAINING WITH ANTI-SIPHON VACUUM BREAKER. 3/4" INLET AND OUTLET. EXTERIOR FINISH TO BE CHROME. PROVIDE WITH LOOSE TEE KEY FOR EACH HOSE BIBB. MOUNT 12" ABOVE FINISHED GRADE.										
	HOSE BIBB	CHICAGO	952	WOODFORD	2I	ZURN	ZB75L7	3/4"		
HOSE BIBB SHALL HAVE AUTOMATIC DRAINING WITH ANTI-SIPHON VACUUM BREAKER. 3/4" INLET AND OUTLET. EXTERIOR FINISH TO BE CHROME. PROVIDE WITH LOOSE TEE KEY FOR EACH HOSE BIBB. MOUNT 12" ABOVE FINISHED FLOOR.										
	LAVATORY	KOHLER	K-296-4-0	SLOAN	SS-3002	AMERICAN STANDARD	0476.028			
	Faucet	SLOAN	ETF-600	AMERICAN STANDARD	6056.202	MOEN	CA8302			
	TRAP	McGUIRE	8902	DEARBORN BRASS	7024	KOHLER	K-8999			2"
	SUPPLY	McGUIRE	58LK	BRASS CRAFT	R912AC	KOHLER	K-7605-P-CP	1/2"	1/2"	
SELF-RIMMING LAVATORY SHALL BE MADE OF VITREOUS CHINA WITH A WHITE FINISH, HAVE 4" CENTERS, AN OVERFLOW, AND INCLUDE SEALANT. DECK MOUNTED HARDWIRED SENSOR. FAUCET SHALL BE CHROME FINISH, 4" CENTERS, WITH 3/8" COPPER SUPPLY TUBE INLETS, AND PROVIDED WITH AN AERATOR. RIGID SUPPLY KIT SHALL INCLUDE CHROME PLATED BRASS STOPS WITH THREADED CONNECTIONS, FULL TURN BRASS STEM, REDUCER, AND FLANGE. INLET SHALL BE 3/8" IPS. OUTLET SHALL BE 3/8" IPS. P-TRAP SHALL BE CHROME PLATED CAST BRASS BODY WITH CLEANOUT, CAST BRASS ELBOW, CAST BRASS SLIP NUT, AND FLANGE. PROVIDE WITH OFFSET STRAINER AND TRUEBRO LAV SHIELD. PROVIDE FAUCET WITH COVER PLATE AND WATER-TEMPERATURE LIMITING DEVICE THAT CONFORMS TO ASSE 1070 OR CSA B125.3.										
	MOP RECEPTOR	STERN WILLIAMS	SB-900	FIAT	TSB00					3"
	Faucet	STERN WILLIAMS	T-10-VB	CHICAGO	897RCF	MOEN	8124	1/2"	1/2"	
	HOSE	STERN WILLIAMS	T-35	FIAT	832AA					
	MOP BRACKET	STERN WILLIAMS	T-40	FIAT	889CC					
MOP RECEPTOR SHALL BE 24" x 24" x 12" DEEP WITH ONE PIECE STAINLESS STEEL CAP, NO FLANGES.										
	RECIRCULATING PUMP	B & G	PL36							
RECIRCULATING PUMP SHALL BE 1/6 HORSEPOWER, 120 VOLT, SINGLE PHASE. PROVIDE PUMP WITH MOUNTING BRACKET, TIMER, AQUASTAT AND DISCONNECT. DISCONNECT WIRING BY LICENSED ELECTRICAL CONTRACTOR.										

PLUMBING FIXTURE SCHEDULE

SYMBOL / IMAGE	DESCRIPTION	3 - EQUALS						PIPING CONNECTIONS		
		MANUFACTURER	MODEL NUMBER	MANUFACTURER	MODEL NUMBER	MANUFACTURER	MODEL NUMBER	COLD WATER	HOT WATER	SANITARY SEWER
	ART SINK	JUST	SL-ADA-192-A-GR	ELKAY	LRAD-229					
	Faucet	T & S BRASS	B-0228	CHICAGO	891			1/2"	1/2"	
	PLASTER TRAP	ZURN	ZA-180	WADE	W-575050					2"
	SUPPLY	McGUIRE	I70	KOHLER	K-76-6-P	BRASSCRAFT	CS400AC			
	STRAINER	McGUIRE	JB-99	ELKAY	LK-99	DEARBORN	L7			
SINK IS TO BE 18 GAUGE STAINLESS STEEL, SELF-RIMMING. DECK MOUNTED FAUCET SHALL BE CHROME FINISHED, WITH 1/2" INLET AND PROVIDED WITH AN AERATOR. RIGID SUPPLY KIT SHALL INCLUDE CHROME PLATED BRASS STOPS WITH THREADED CONNECTIONS AND FLANGE. INLET AND OUTLET SHALL BE 3/8" IPS. PROVIDE WITH McGUIRE PROWRAP INSULATOR.										
	2-COMPARTMENT SINK	REGENCY	600S217718GR							
	Faucet	T6S BRASS	EC-301					1/2"	1/2"	
	TRAP	McGUIRE	8902	KOHLER	K8999	DEARBORN BRASS	7024			2"
	SUPPLY	McGUIRE	I70	KOHLER	K-76-6-P	BRASSCRAFT	CS400AC			
SINK IS TO BE 16 GAUGE STAINLESS STEEL, SPLASH MOUNTED HARDWIRED SENSORED FAUCET SHALL BE CHROME FINISHED, WITH 1/2" INLET AND PROVIDED WITH AN AERATOR. RIGID SUPPLY KIT SHALL INCLUDE CHROME PLATED BRASS STOPS WITH THREADED CONNECTIONS AND FLANGE. INLET AND OUTLET SHALL BE 3/8" IPS. PROVIDE WITH McGUIRE PROWRAP INSULATOR. PROVIDE WITH DISPOSAL IF REQUIRED BY ARCHITECT.										
	HAND SINK	ADVANCE TABCO	7-FS-70	JUST	LRAD-339					
	Faucet	T6S BRASS	EC-301							
	TRAP	ADVANCE TABCO	K-27	McGUIRE						2"
	SUPPLY	McGUIRE	58LK	ELJER	802-035	KOHLER	K-760-HP	1/2"	1/2"	
WALL HUNG STAINLESS STEEL HAND SINK, 4" CENTERS. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT. SPLASH MOUNTED HARDWIRED SENSORED FAUCET SHALL BE CHROME FINISH, 4" CENTERS, AND PROVIDED WITH AN AERATOR. RIGID SUPPLY KIT SHALL INCLUDE CHROME PLATED BRASS STOPS WITH THREADED CONNECTIONS, FULL TURN BRASS STEM, REDUCER AND FLANGE. P-TRAP SHALL BE CHROME PLATED AND PROVIDED WITH FLANGE.										
	SHOCK ABSORBER	JOSAM	75000	ZURN	Z1700	WADE	4480			
SHOCK ABSORBERS SHALL HAVE A STAINLESS STEEL CASING, FLEXIBLE MECHANICAL BELLOWS, PRESSURIZED INERT GAS CHAMBER AND CERTIFICATION STAMP AS CONFORMING TO STANDARD FDI WH-201 OF THE PLUMBING AND DRAINAGE INSTITUTE.										
	TRAP PRIMER	MFAB	MR-500					1/2"		
PRESSURE DROP ACTIVATED BRASS TRAP SEAL PRIMER, WITH INLET OPENING OF 1/2" MALE N.P.T. AND OUTLET OPENING OF FEMALE 1/2" N.P.T. SERVES UP TO 6 FLOOR DRAIN TRAPS.										
	URNAL	KOHLER	K-506-ET	SLOAN	SU7009	AMERICAN STANDARD	654132			2"
	VALVE	SLOAN	ECOS 186 HW-05					3/4"		
	CARRIER	ZURN	Z-1221	JR SMITH	636	WATTS	CA-311			
URNAL SHALL BE MADE OF VITREOUS CHINA WITH A WHITE FINISH AND 3/4" TOP SPUD. EXPOSED HARDWIRED SENSOR, CHROME PLATED FLUSH VALVE WITH 3/4" CHROME PLATED SPUD, COUPLING AND FLANGE.										
	WATER CLOSET	KOHLER	K-96057-0	SLOAN	ST-2029	AMERICAN STANDARD	2305J00			4"
	SEAT	BEMIS	1655SSC	KOHLER	K-4670-C-0	CHURCH	9500C			
	VALVE	SLOAN	11H6/11	DELANY		ZURN				
TOILET SHALL BE MADE OF VITREOUS CHINA WITH A WHITE FINISH AND A 12" ROUGH-IN AND 1 1/2" TOP SPUD. SEAT SHALL BE EXTRA HEAVY WEIGHT PLASTIC WITH OPEN FRONT LESS COVER FOR ELONGATED BOWL. EXPOSED HARDWIRED SENSOR, CHROME PLATED FLUSH VALVE WITH 1 1/2" CHROME PLATED SPUD COUPLING AND FLANGE.										
	WATER HEATER	STATE INDUSTRIES	CSB-52-135 FE	A.O. SMITH		LOCHINVAR		1 1/4"	1 1/4"	
ELECTRIC WATER HEATER SHALL HAVE A 50 GALLON STORAGE CAPACITY, AN ELECTRIC INPUT OF 13.5 KW AT 240 VOLT, SINGLE PHASE AND A RECOVERY OF 55 GPH AT A 100' RISE. PROVIDE WITH EXPANSION TANK AND HEAVY DUTY FUSIBLE DISCONNECT, WIRING BY LICENSED ELECTRICAL CONTRACTOR. WATER HEATER TO BE PROVIDED WITH HEAT TRAPS AND MEET THE ENERGY EFFICIENCY REQUIREMENT PER 2016 NORTH CAROLINA STATE BUILDING CODE, ENERGY CONSERVATION CODE.										

PLUMBING SCHEDULE NOTES AND LEGEND:

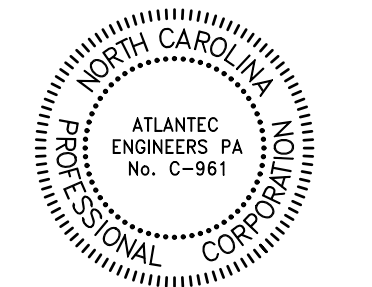
1. THE PLUMBING CONTRACTOR MAY SUBSTITUTE FIXTURES WITH OWNERS' APPROVAL.
 2. SUBMIT CUT SHEETS FOR ALL PROPOSED FIXTURES TO ARCHITECT PRIOR TO BIDDING.
 3. PROVIDE VACUUM BREAKER ON ALL EQUIPMENT REQUIRING PLUMBING.
 4. REFER TO MANUFACTURERS WEB SITE FOR CUT SHEETS AND DATA ON THE FIXTURES AND APPURTENANCES USED IN THIS SCHEDULE.
-  ADA COMPLIANT
 ELECTRICAL POWER

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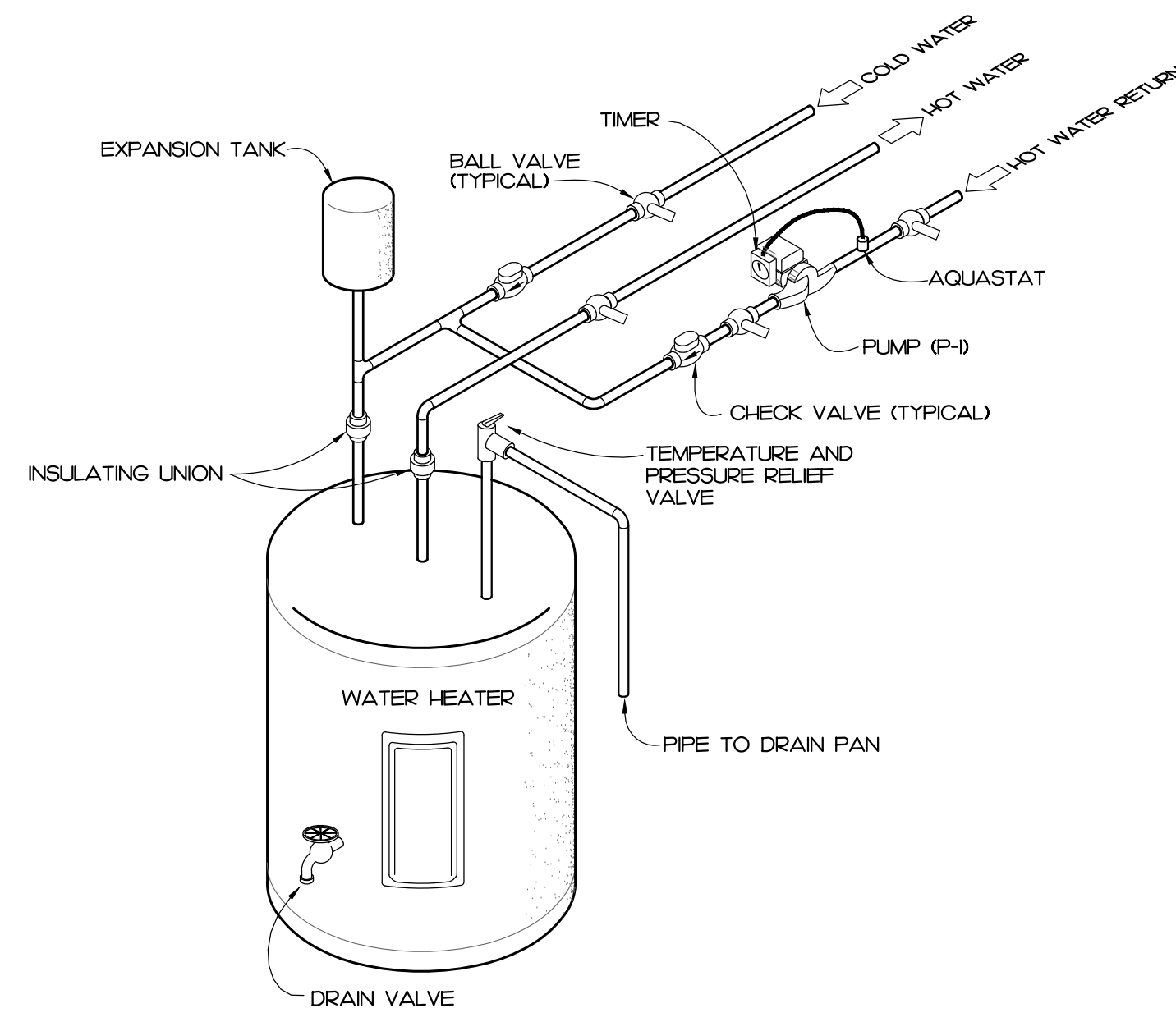
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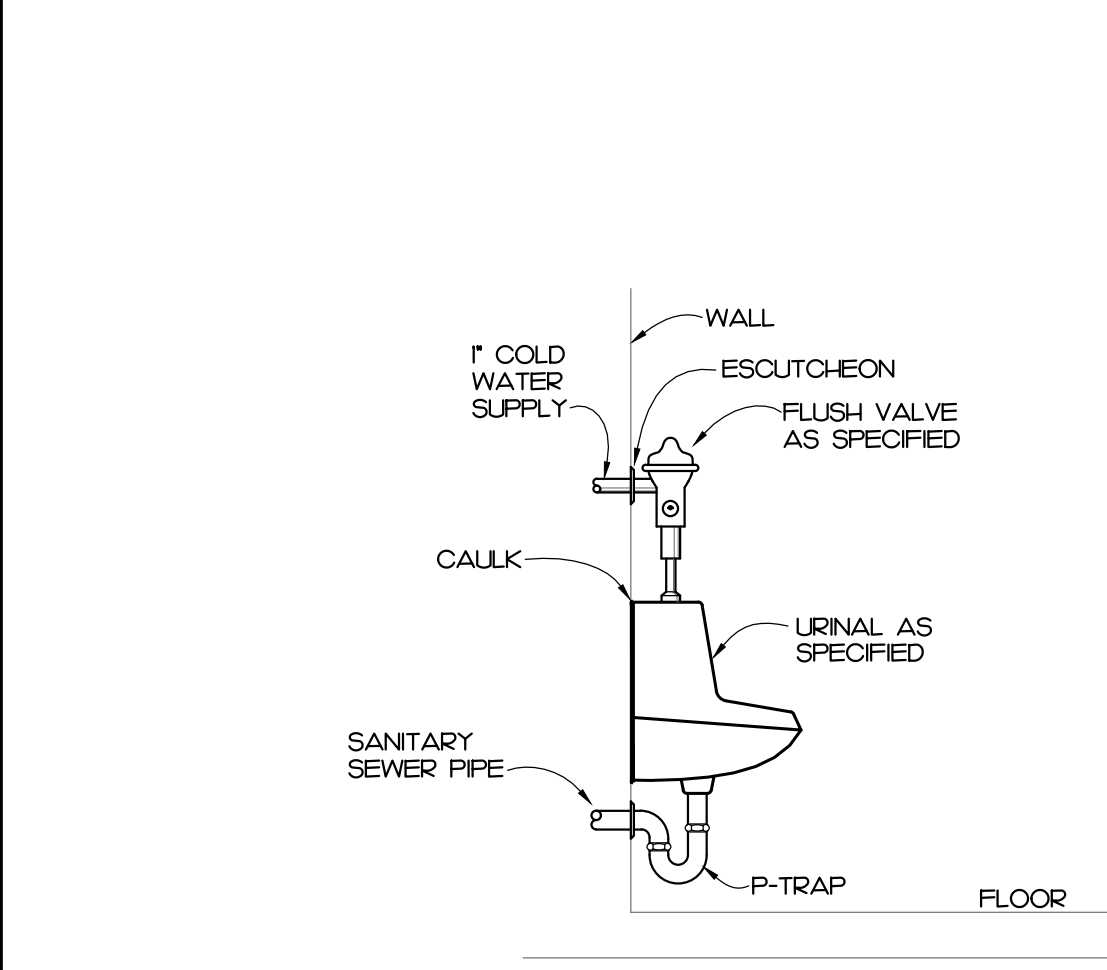


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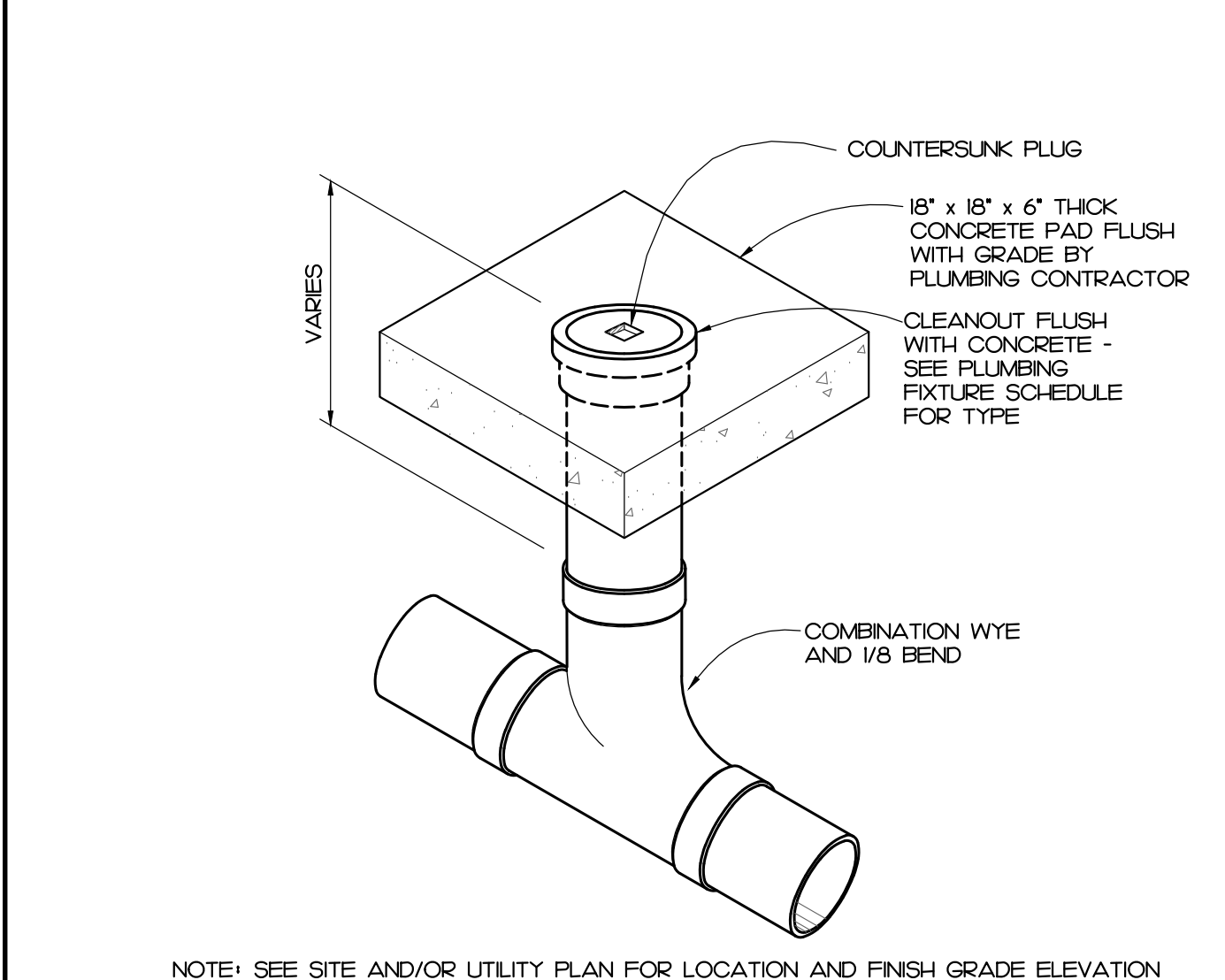
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PLUMBING FIXTURE SCHEDULE AND DETAILS	



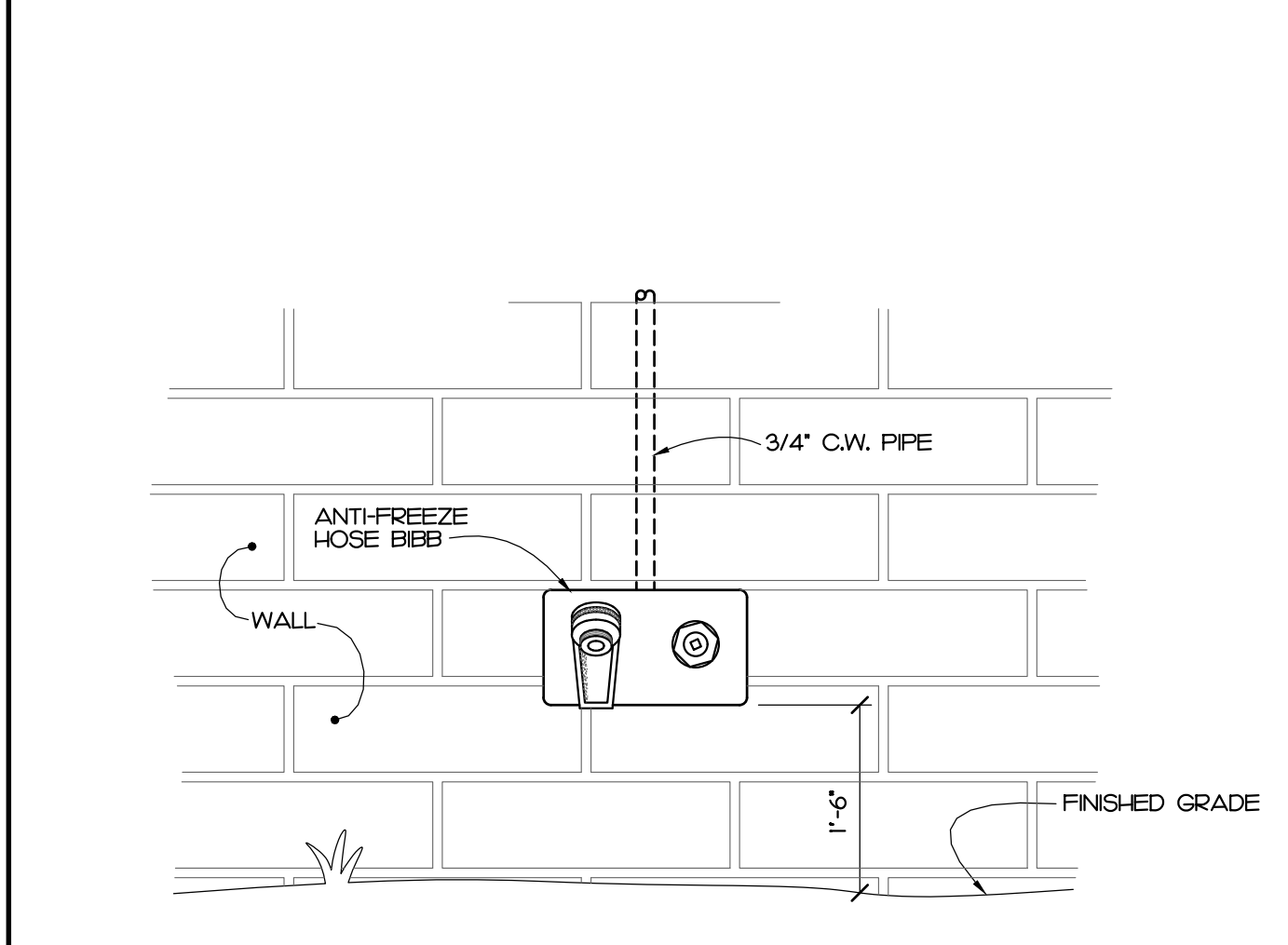
10 WATER HEATER DETAIL
P2.2 NOT TO SCALE



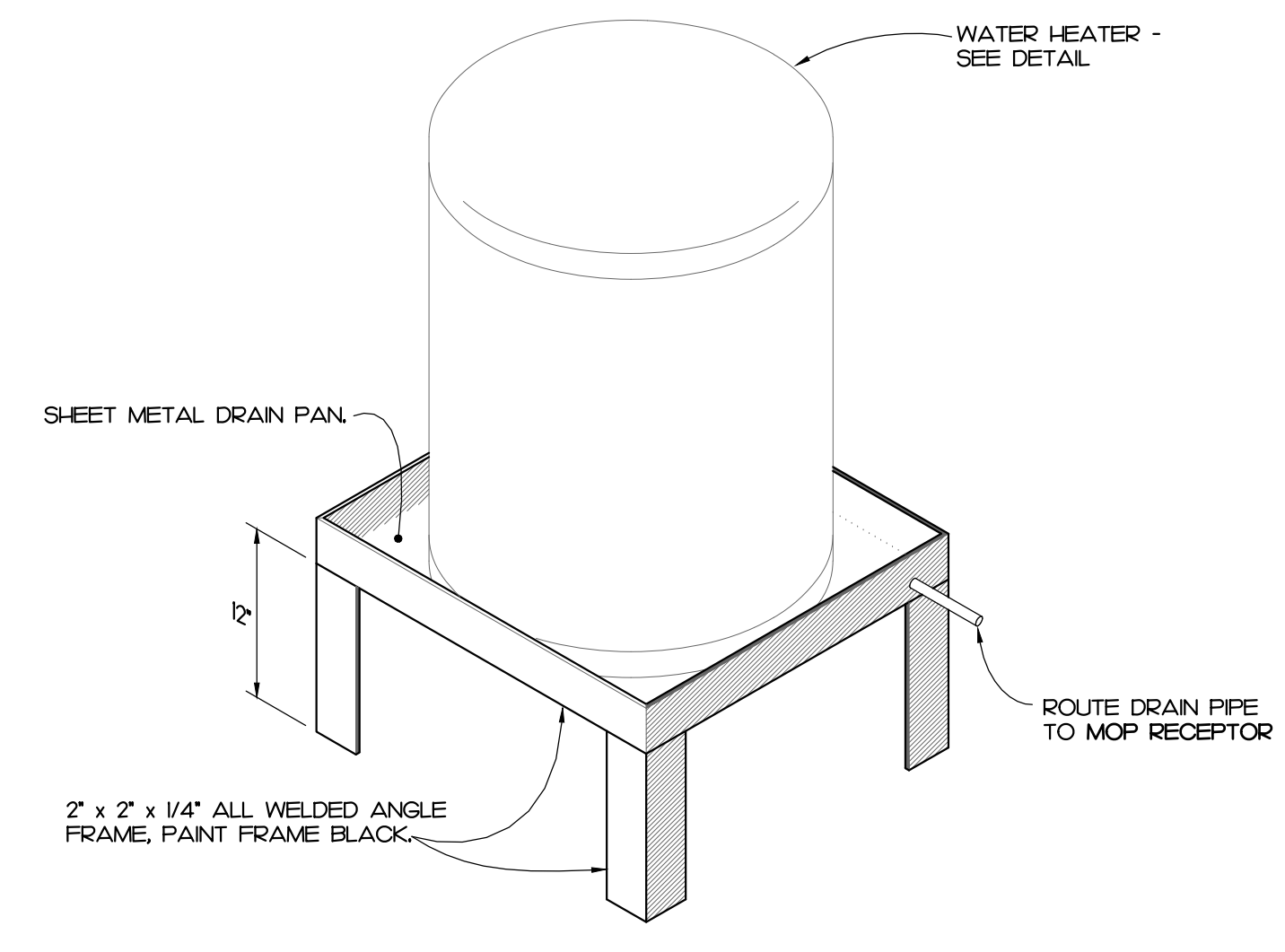
7 URINAL DETAIL
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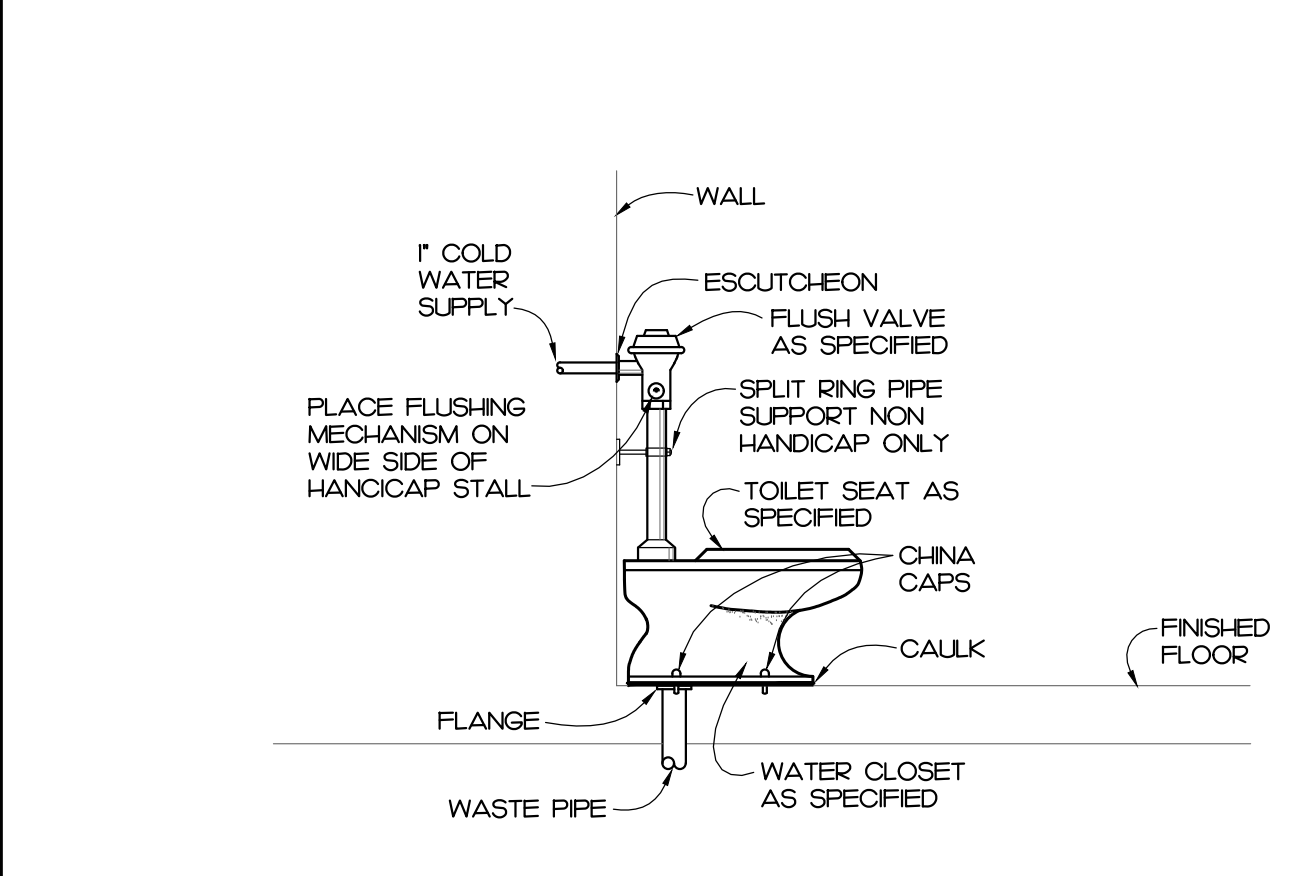
4 EXTERIOR CLEANOUT DETAIL
P2.2 NOT TO SCALE



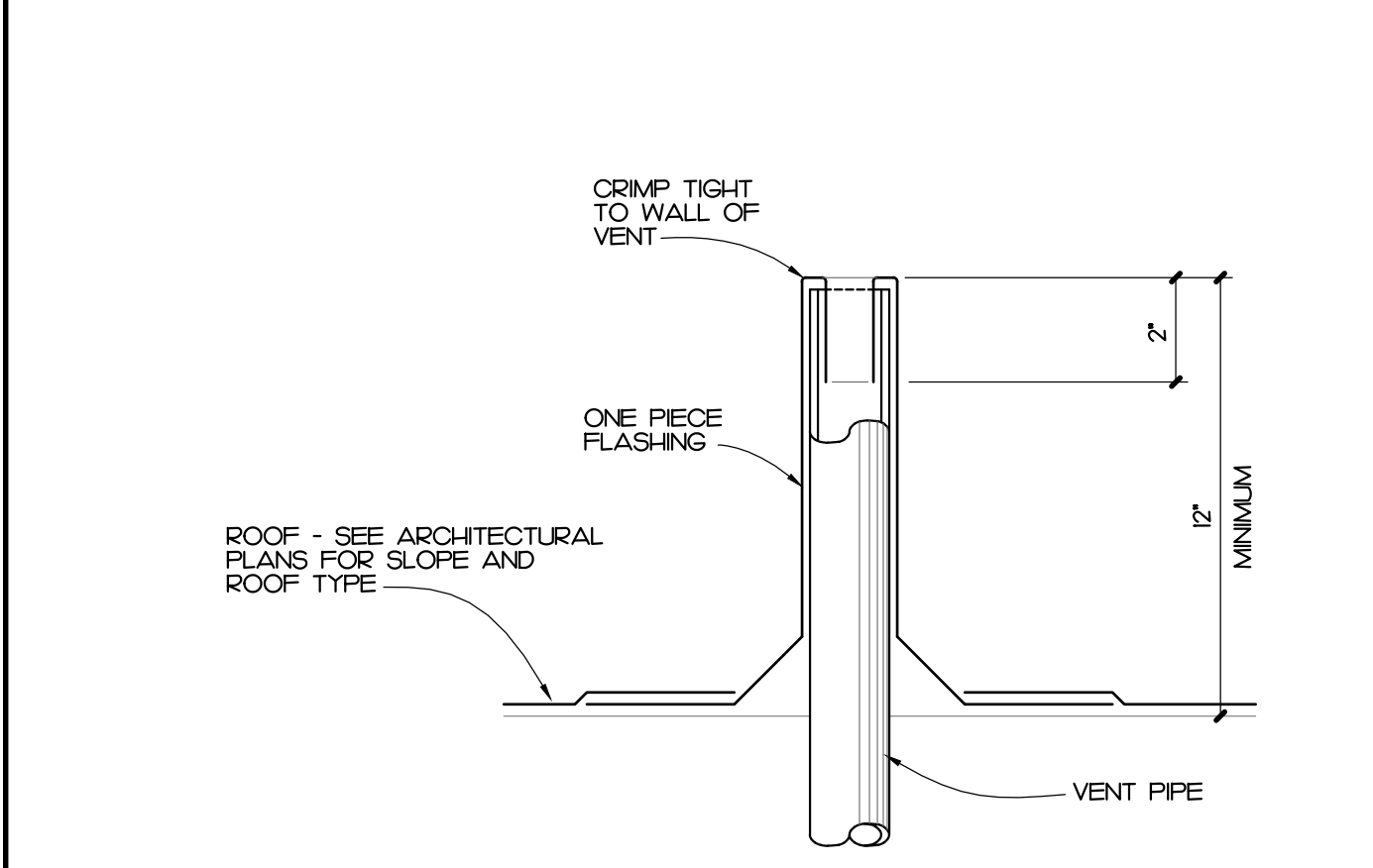
1 ANTI FREEZE HOSE BIBB
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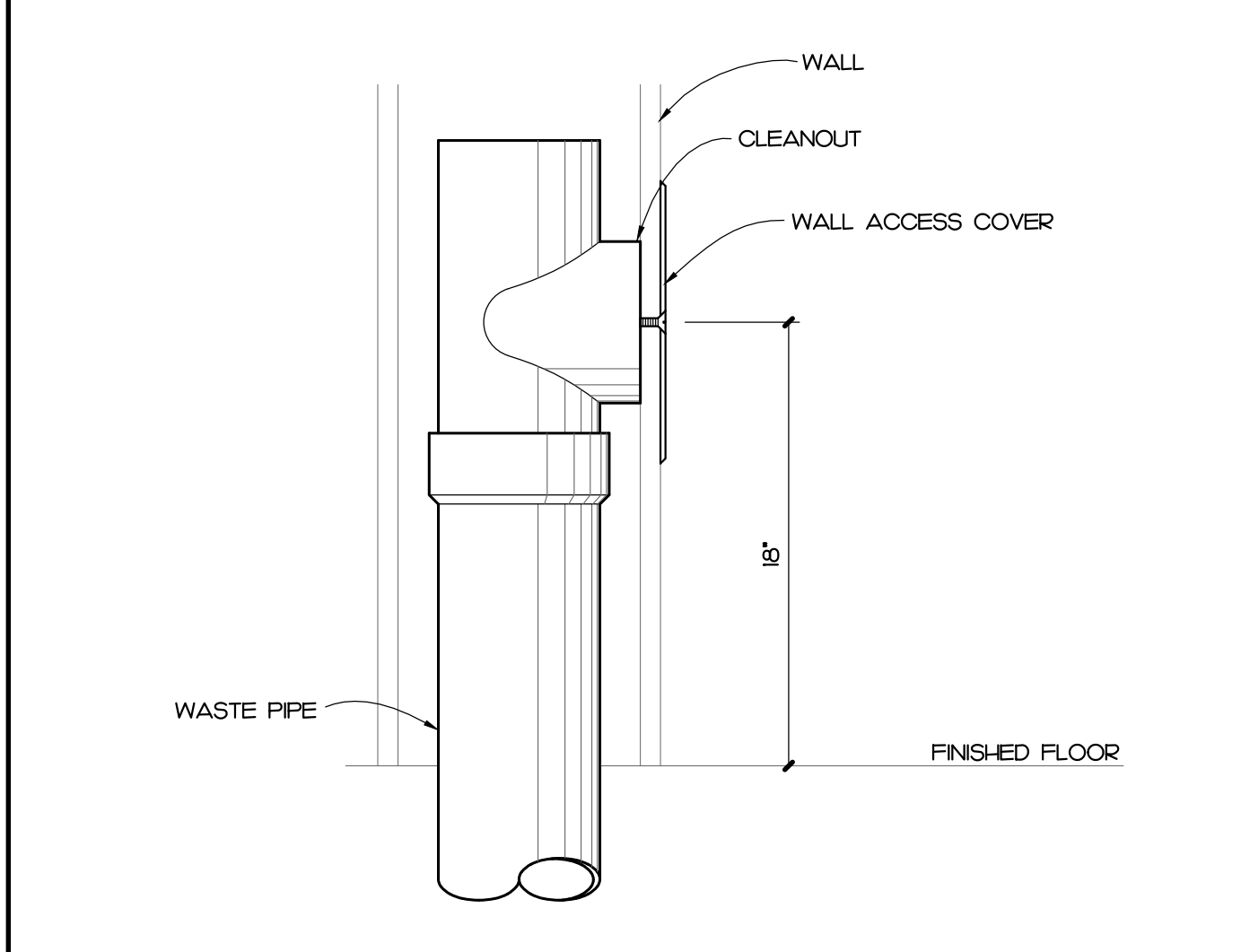
11 WATER HEATER MOUNTING DETAIL
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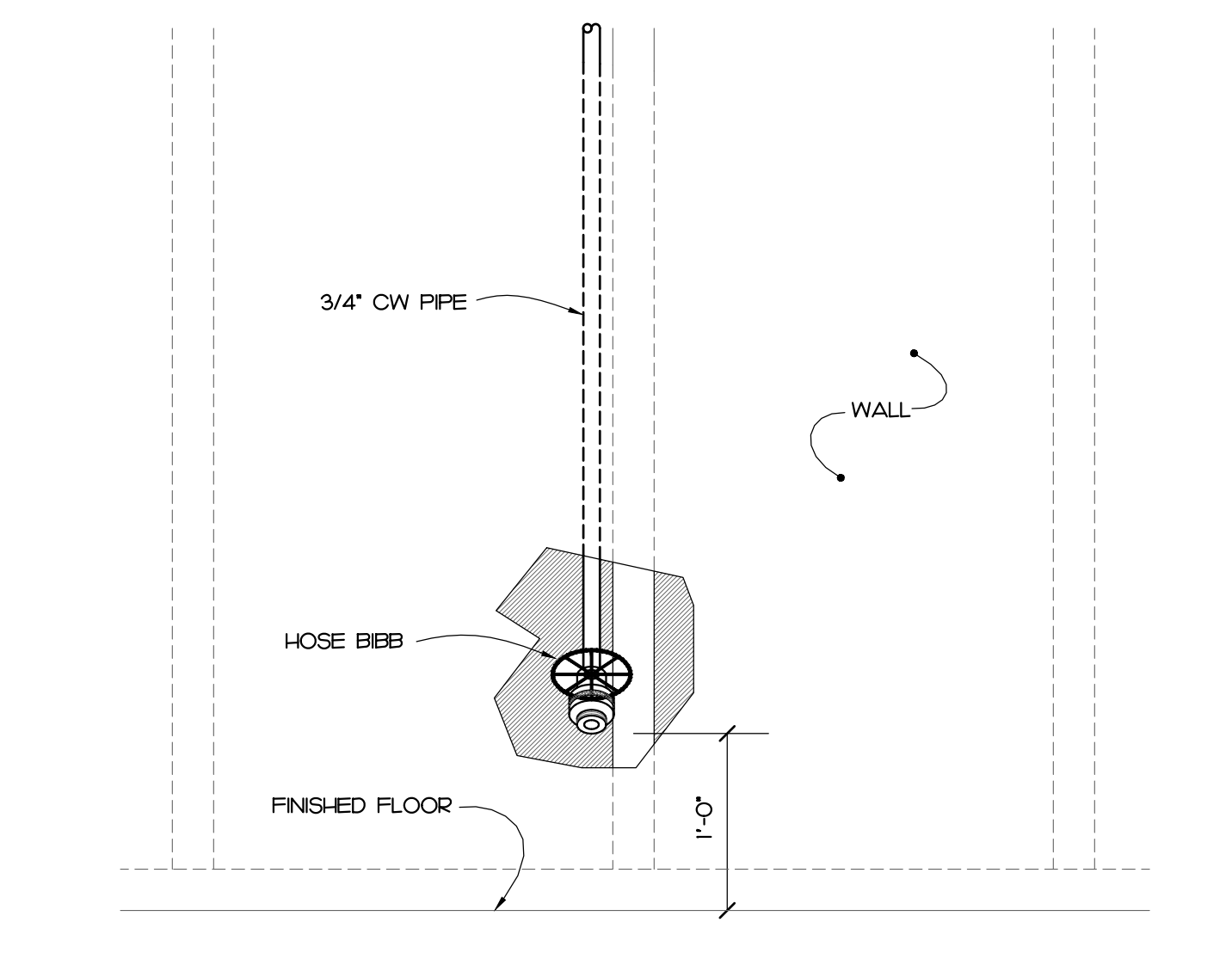
8 WATER CLOSET DETAIL
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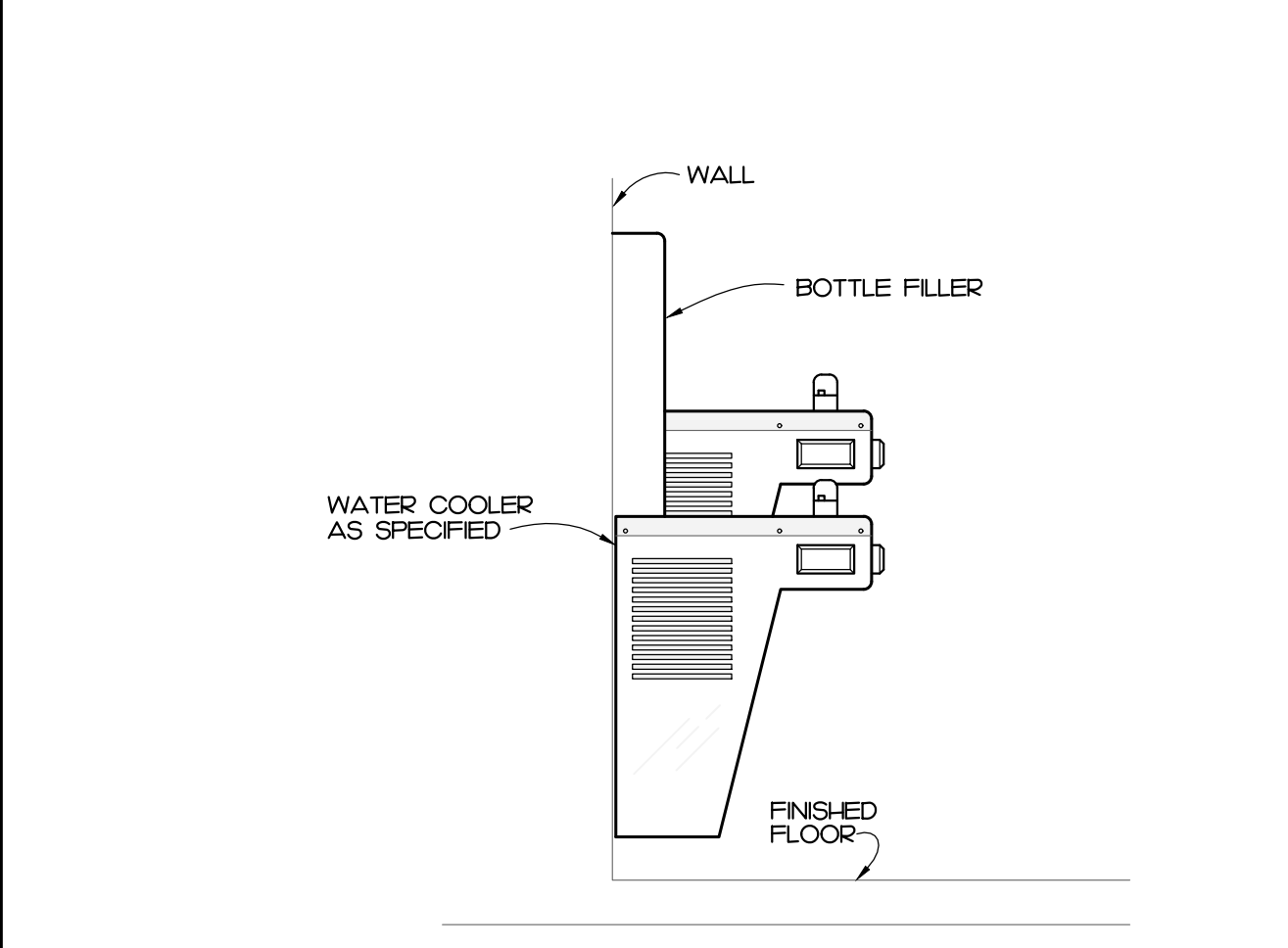
5 VENT THROUGH ROOF DETAIL
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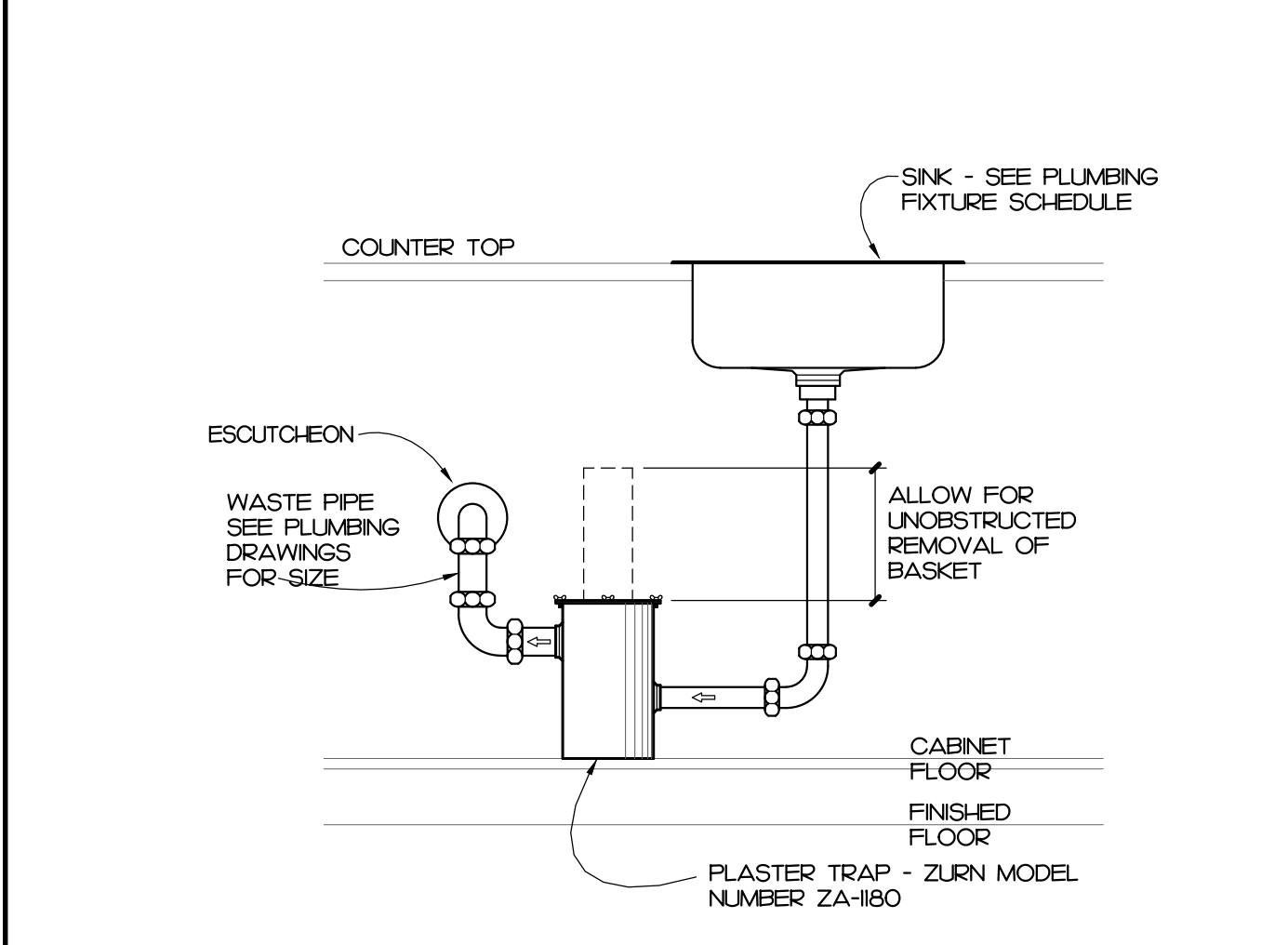
2 WALL CLEANOUT DETAIL
P2.2 NOT TO SCALE



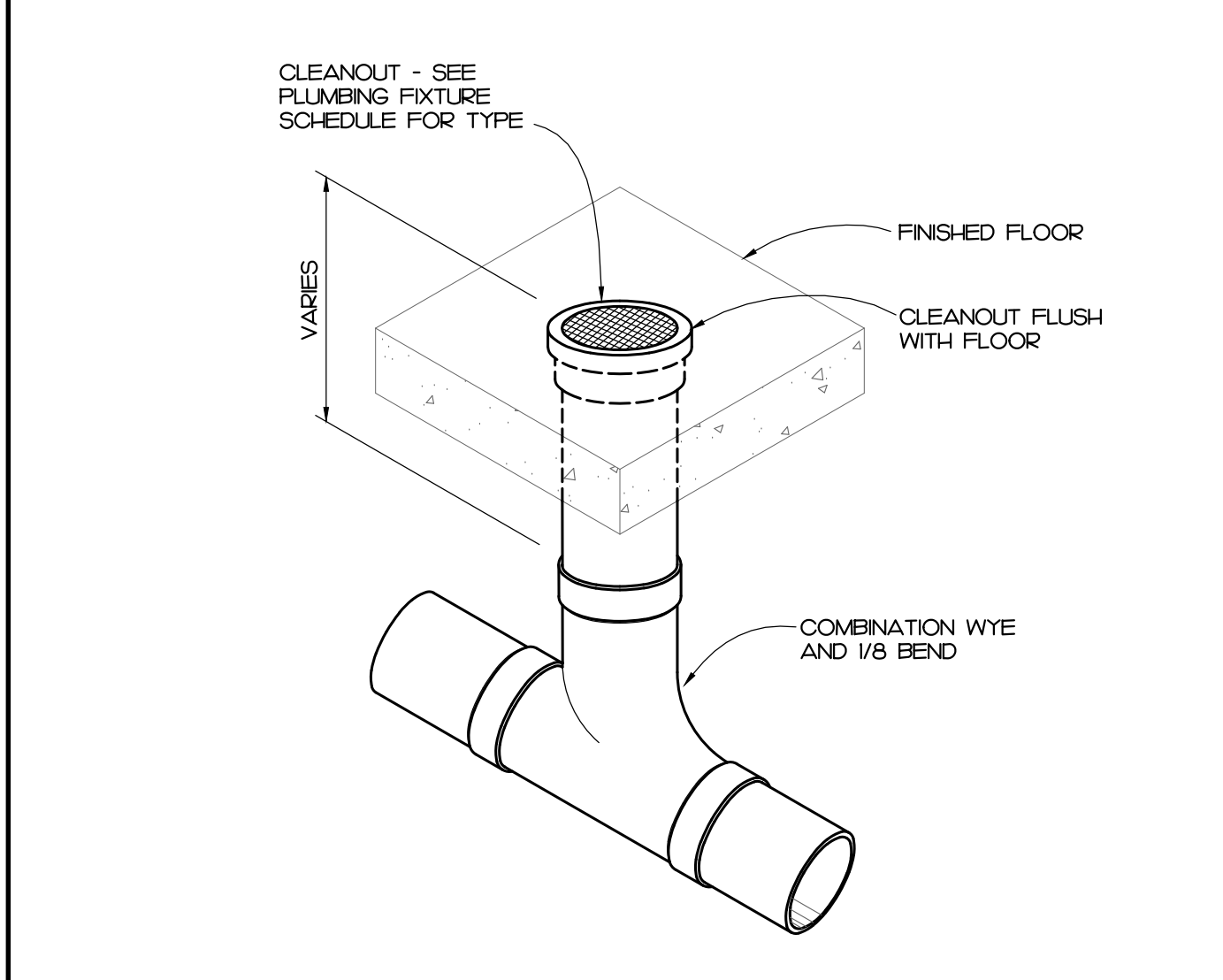
12 HOSE BIBB DETAIL
P2.2 NOT TO SCALE



9 ELECTRIC WATER COOLER DETAIL
P2.2 NOT TO SCALE



6 PLASTER TRAP DETAIL
P2.2 NOT TO SCALE



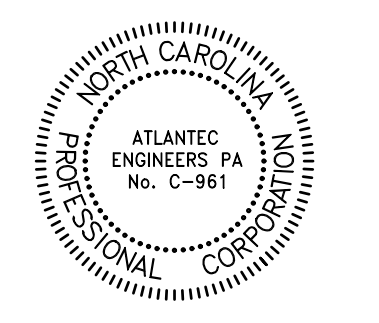
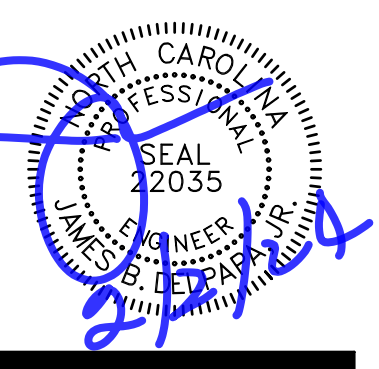
3 FLOOR CLEANOUT DETAIL
P2.2 NOT TO SCALE

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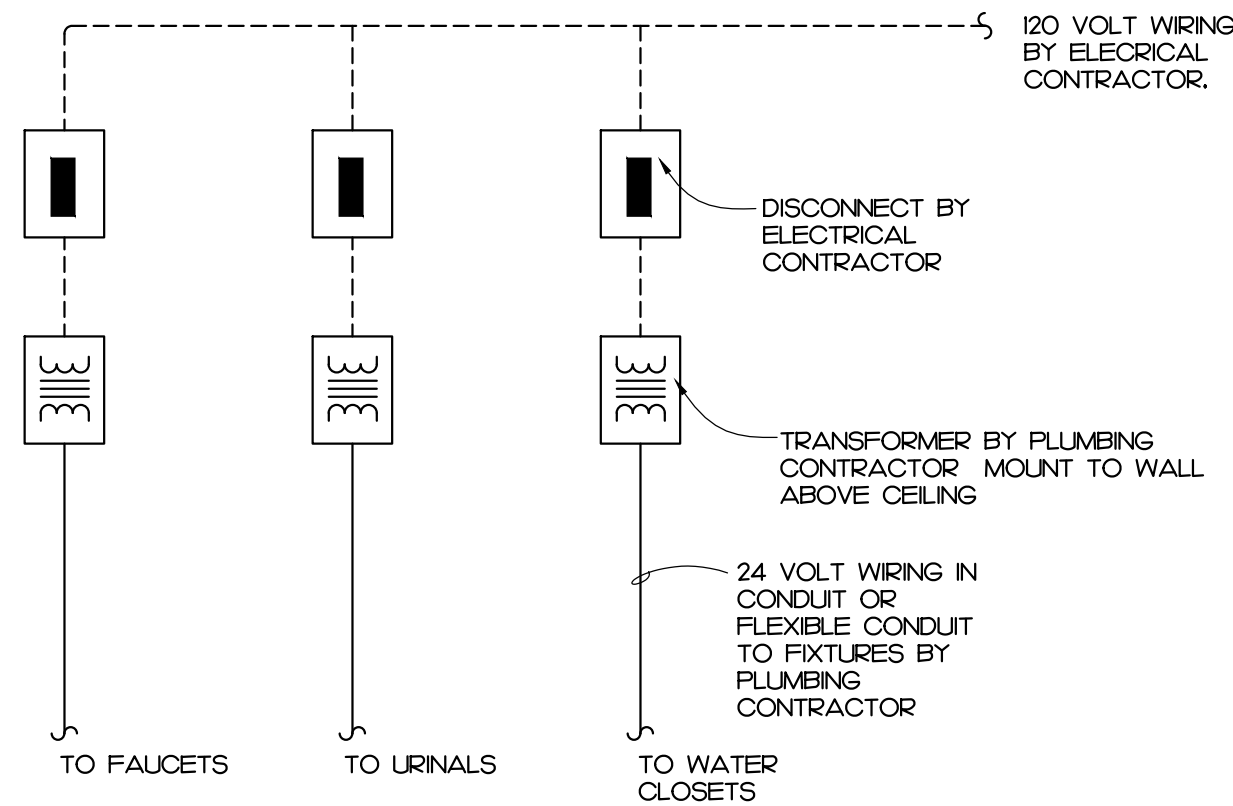
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NEW CONSTRUCTION FOR:
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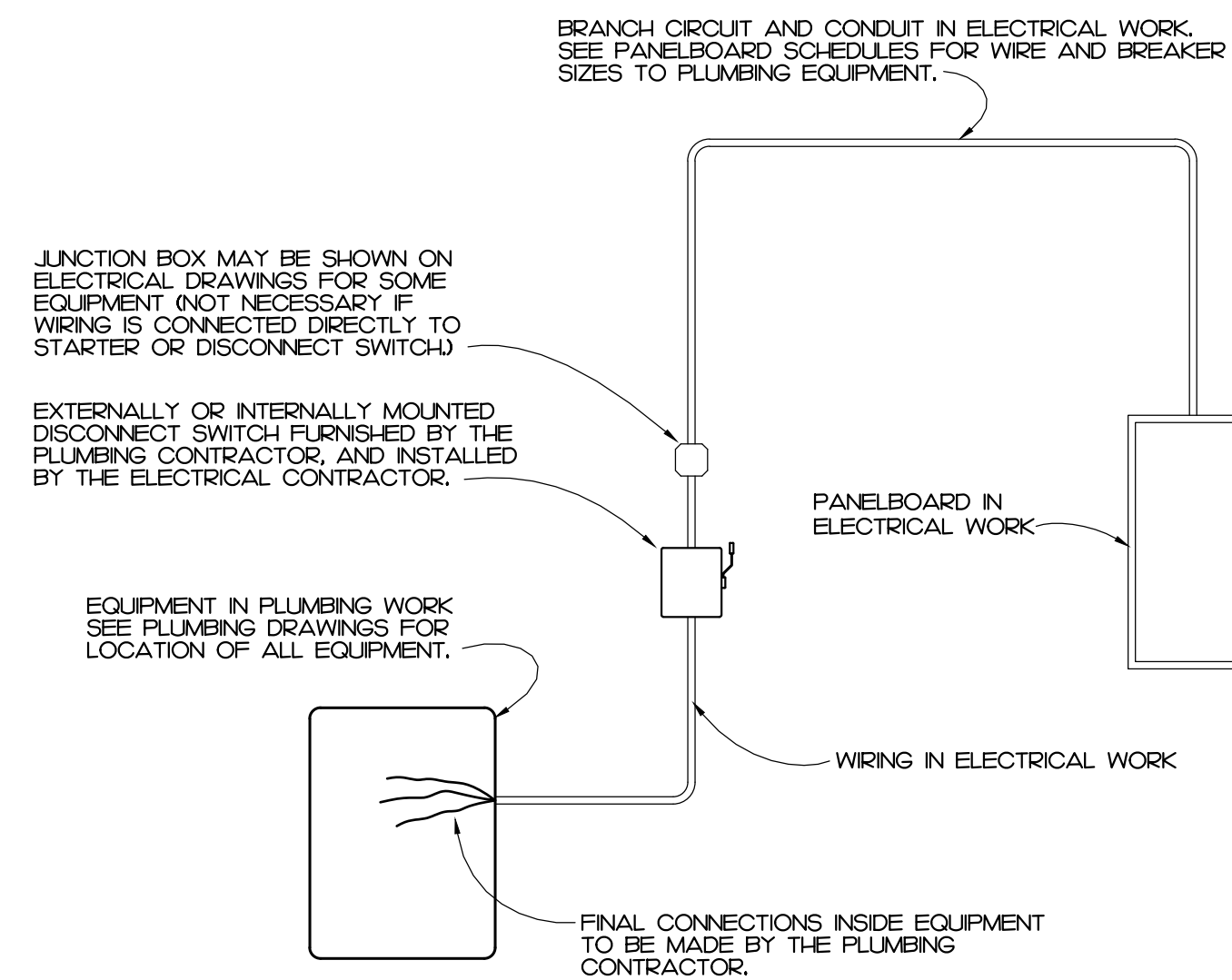


GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

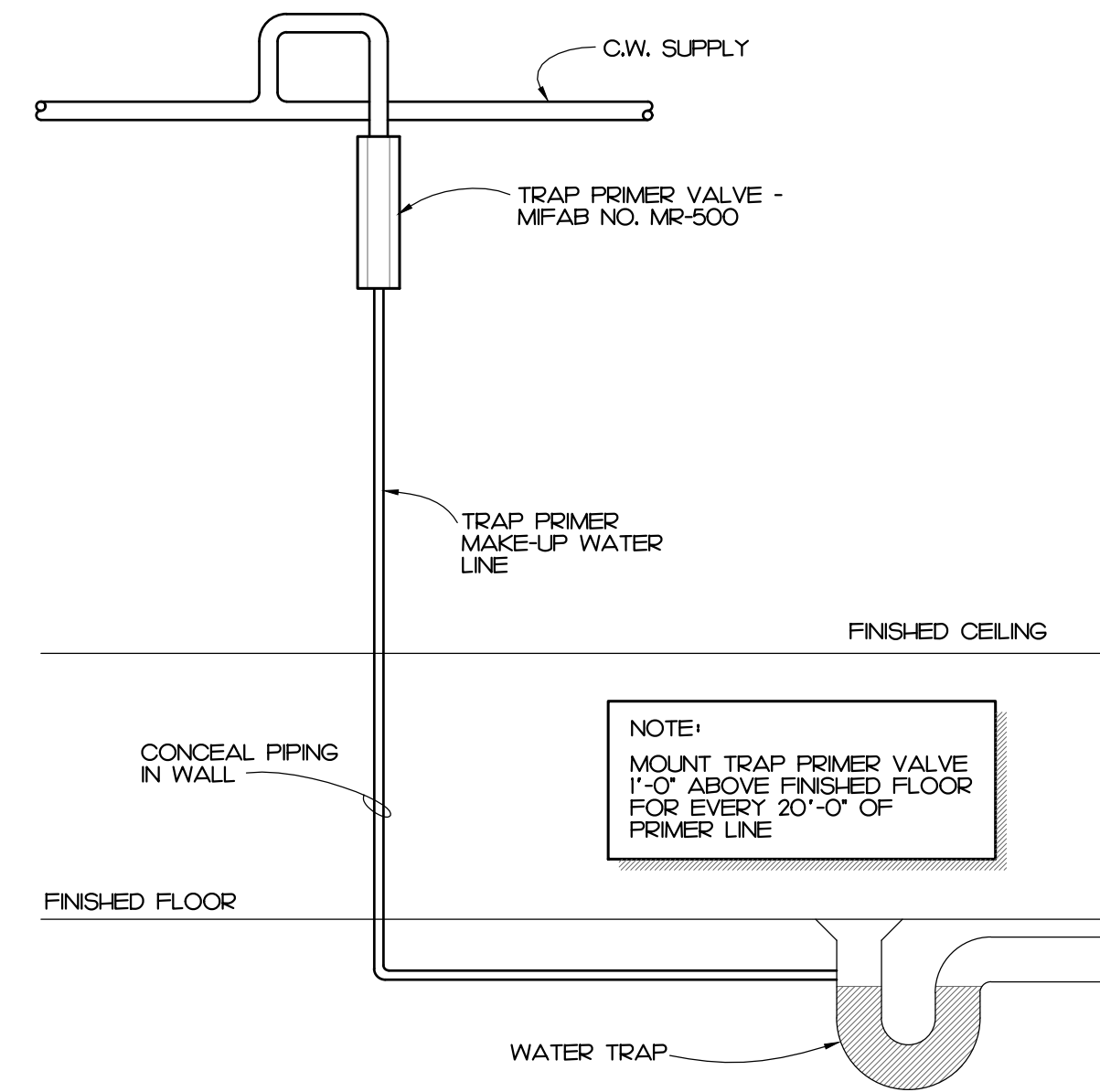
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PLUMBING DETAILS	



3 HARD WIRED PLUMBING FIXTURES
P2.3 NOT TO SCALE

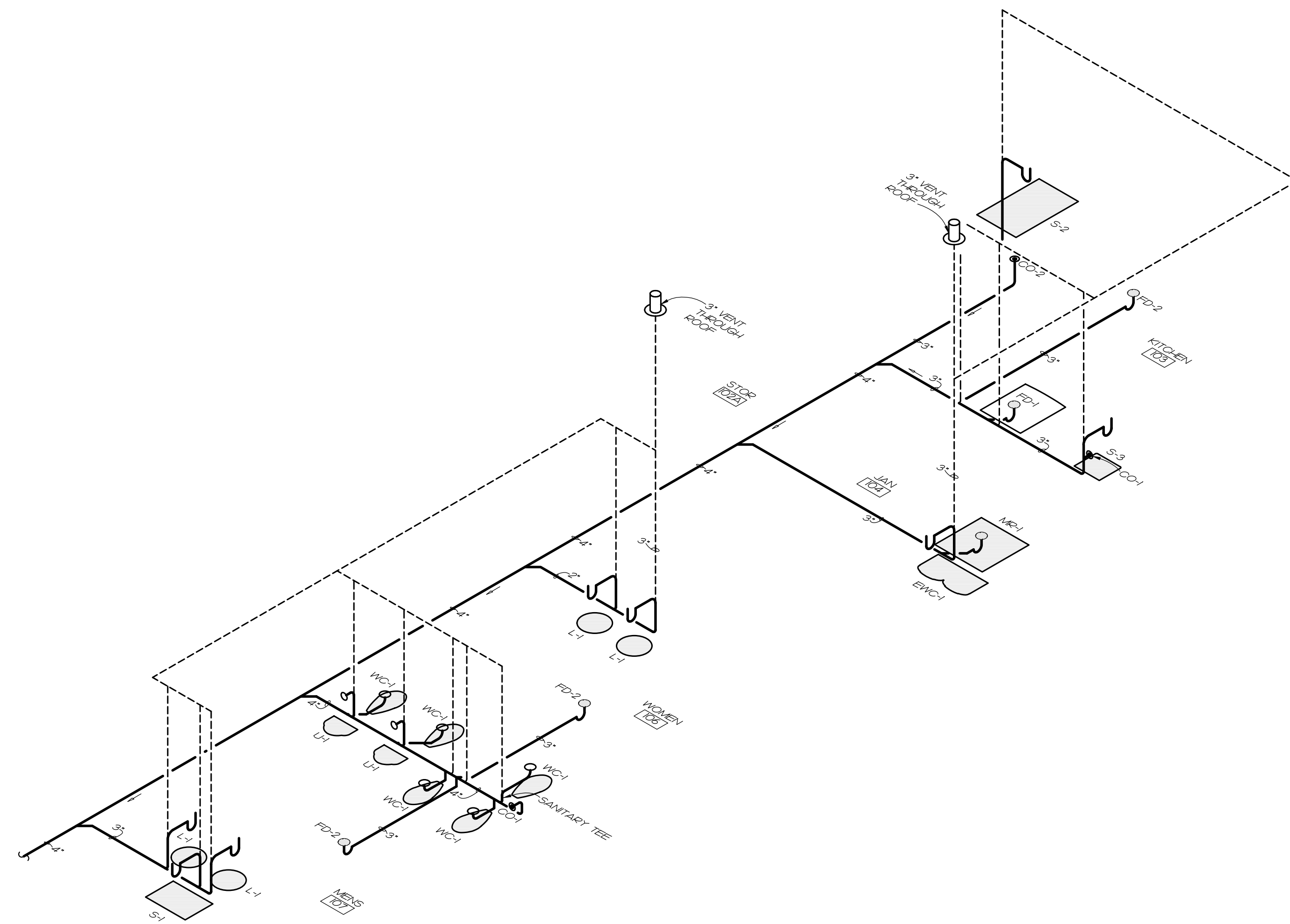


2 ELECTRICAL WIRING DETAIL
P2.3 NOT TO SCALE



1 TRAP PRIMER DETAIL
P2.3 NOT TO SCALE

ALL VENT PIPING IS TO BE 2" UNLESS NOTED OTHERWISE.



2 WASTE PIPING RISER
P2.3 NOT TO SCALE

PLUMBING GENERAL NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE CODE, ALL LOCAL AND OTHER APPLICABLE CODES.
- ANY PERMITS AND INSPECTION FEES SHALL BE SECURED AND PAID FOR BY THE PLUMBING CONTRACTOR.
- ALL WORK SHALL BE PERFORMED BY EXPERIENCED AND SKILLED CRAFTSMAN. THE PLUMBING CONTRACTOR SHALL COORDINATE ALL OF HIS WORK WITH ALL OTHER CONTRACTORS.
- THE PLUMBING PLANS AND SPECIFICATIONS SHALL BE THOROUGHLY REVIEWED PRIOR TO PURCHASING MATERIALS AND INSTALLATION. ALL DISCREPANCIES OR INTERFERENCES SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION.
- THESE PLANS ARE DIAGRAMMATIC AND MAY NOT SHOW MINOR DETAILS AND LOCATIONS. FOR DIMENSIONS, REFER TO THE ARCHITECTURAL PLANS.
- THE PLUMBING CONTRACTOR SHALL PROVIDE ALL OPENINGS REQUIRED FOR THE PLUMBING WORK. THE PATCHING SHALL BE BY THE PLUMBING CONTRACTOR AND FINISHING BY GENERAL CONTRACTOR.
- WATER PIPING BELOW GRADE SHALL BE TYPE "K" COPPER (NO JOINTS BELOW GRADE) AND ABOVE GRADE TYPE "L" COPPER, SUPPORTED AS REQUIRED AND SHALL BE HYDROSTATICALLY TESTED FOR ONE HOUR AT 150 PSI. TEST TO COMPLY WITH ALL EPA STANDARDS. THE ENTIRE WATER DISTRIBUTION SYSTEM SHALL BE DISINFECTED PRIOR TO PLACING IN SERVICE.
- ALL PIPE, FITTINGS, FIXTURES, AND SOLDER TO BE LEAD FREE.
- WATER PIPING LOCATED ABOVE CEILINGS AND IN EXTERIOR WALLS SHALL BE ROUTED ON HEATED SIDE OF CEILING INSULATION (UNDERSIDE) AND WALL INSULATION (INSIDE).
- ALL COLD AND HOT WATER PIPING SHALL BE INSULATED. INSULATE WASTE PIPING AS DESIGNATED ON PLUMBING DRAWINGS. INSULATION SHALL BE FIBERGLASS. EXPOSED PIPING TO BE WRAPPED WITH ALUMINUM JACKET.
- DO NOT SUPPORT PIPING FROM BAR JOIST BRIDGING AND/OR ROOF DECK.
- WATER SHUT-OFF VALVES ABOVE FINISHED CEILING ARE TO BE FREE FROM OBSTRUCTIONS SUCH AS DUCTWORK, LIGHTS, WIRING AND OTHER PIPING SO AS TO PROVIDE EASY ACCESS. MOUNT NO MORE THAN 2'-0" ABOVE FINISHED CEILING.
- IF THE WATER PRESSURE EXCEEDS 80 PSI A PRESSURE REDUCING VALVE SHALL BE INSTALLED WHERE THE WATER ENTERS THE BUILDING.
- PLUMBING CONTRACTOR SHALL PROVIDE A DIELECTRIC UNION WHEN CONNECTING DISSIMILAR MATERIAL.
- WATER HEATERS SHALL HAVE AN EFFICIENCY MEETING REQUIREMENTS OF THE NORTH CAROLINA BUILDING CODE.
- THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL AND CONTROL CONNECTIONS TO THE EQUIPMENT FURNISHED UNDER HIS CONTRACT.
- SANITARY SEWER AND VENT PIPING SHALL BE SCHEDULE 40 PVC, CELLULAR CORE (FOAM CORE) IS NOT ALLOWED. SANITARY SEWER AND VENT PIPING SHALL BE GAS AND AIR TIGHT.
- THE PLUMBING CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION OF ANY WORK.
- THE PLUMBING CONTRACTOR SHALL REVIEW ALL UTILITY SITE PLANS FOR WORK BY OTHERS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE HIS WORK WITH WORK BY OTHERS AND AVOID ALL CONFLICTS.
- LOCATIONS OF UTILITIES (WASTE AND WATER PIPING, ETC) PROVIDED BY OTHERS, THAT ARE TO BE CONNECTED TO ARE ASSUMED. IT SHALL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO VERIFY THESE LOCATIONS AND MAKE FINAL CONNECTIONS AS REQUIRED.
- VERIFY THE LOCATION OF ALL EQUIPMENT SUPPLIED BY OTHERS.
- PROVIDE VACUUM BREAKERS ON ALL EQUIPMENT DIRECTLY CONNECTED TO THE WATER SYSTEM.
- ALL VENT PIPING THROUGH THE ROOF SHALL BE A MINIMUM OF 15'-0" FROM ALL MAKE-UP AIR INLETS OR A MINIMUM OF 2'-0" ABOVE THE TOP OF ALL MAKE-UP AIR INLETS. VENTS THROUGH ROOF ARE TO BE ON REAR OF BUILDING.
- SEE ARCHITECTURAL DRAWINGS FOR PLUMBING MINIMUM FACILITY CALCULATIONS.
- ALL INDIRECT WASTE IS TO BE PROVIDED WITH AN AIR GAP 2 TIMES THE SIZE OF THE WASTE INLET.
- THE PLUMBING CONTRACTOR SHALL VERIFY BUILDING FLOOR ELEVATION IS ABOVE MAN-HOLE RIM ELEVATION OR PROVIDE A BACKWATER VALVE AS REQUIRED.
- THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR MINOR DEMOLITION AT NO COST TO THE OWNER.
- THE PLUMBING CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A SET OF AS-BUILT DRAWINGS UPON COMPLETION OF PROJECT.

PLUMBING SYMBOL LEGEND

SYMBOL	DESCRIPTION
	COLD WATER PIPING
	WATER PIPING DIRECTION OF FLOW
	COLD WATER PIPING BELOW FINISHED FLOOR
	HOT WATER PIPING BELOW FINISHED FLOOR
	120' F HOT WATER PIPING
	BALL VALVE
	WATER PIPING TURNED DOWN
	WATER PIPING TURNED UP
	PIPING SIDE CONNECTION
	TRAP PRIMER
	SANITARY SEWER / WASTE PIPING
	SANITARY SEWER / WASTE PIPING DIRECTION OF FLOW
	VENT PIPING
	VENT PIPE UP
	PLUMBING FIXTURE PROVIDED AND INSTALLED BY PLUMBING CONTRACTOR
	PLUMBING FIXTURE PROVIDED BY OTHERS AND INSTALLED BY PLUMBING CONTRACTOR

PLUMBING LOAD SUMMARY

WATER DEMAND FU	WATER DEMAND GPM	SANITARY SEWER DEMAND FU
94	65	56

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GRANVILLE COUNTY
303 OXFORD ST., STOVALL, NC 27582

PROFESSIONAL SEAL
JAMES B. DEWANEY
REGISTERED PROFESSIONAL ENGINEER
PLUMBING
STATE OF NORTH CAROLINA
EXPIRES 12/31/2025
NO. 22035

PROFESSIONAL CORP. STATION
ATLANTEC ENGINEERS, PA
No. C-981

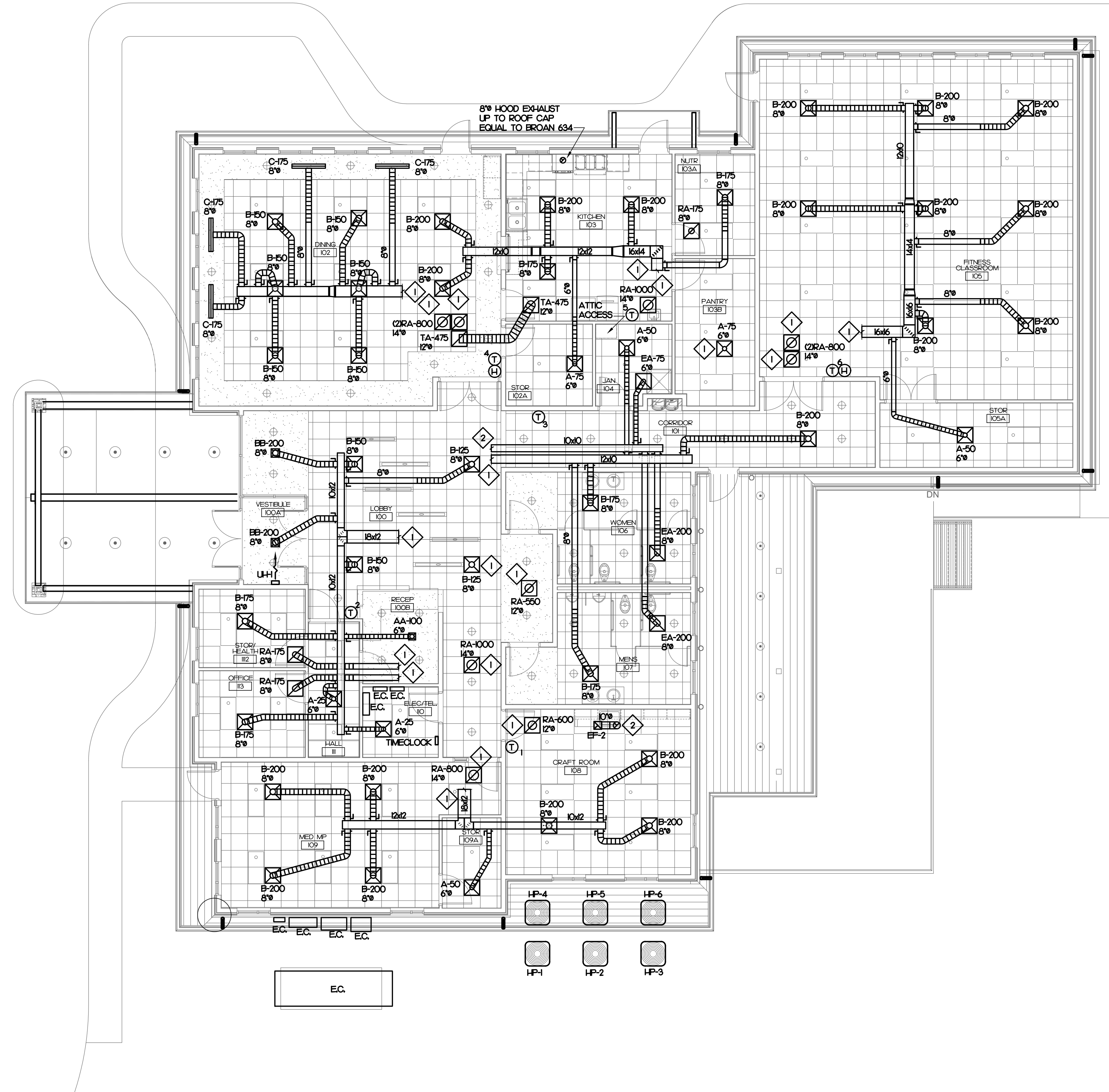
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PLUMBING NOTES LEGEND, LOAD RISER AND DETAILS	

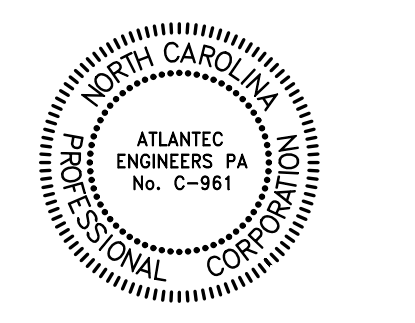
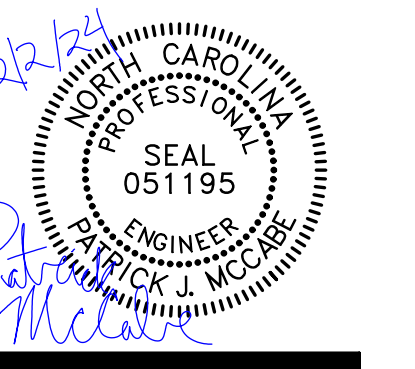
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MECHANICAL KEY NOTES

- 1 RETURN/SUPPLY DUCT TO/FROM ATTIC. SEE M2 FOR CONTINUATION
- 2 EXHAUST DUCT TO ATTIC. SEE M2 FOR CONTINUATION



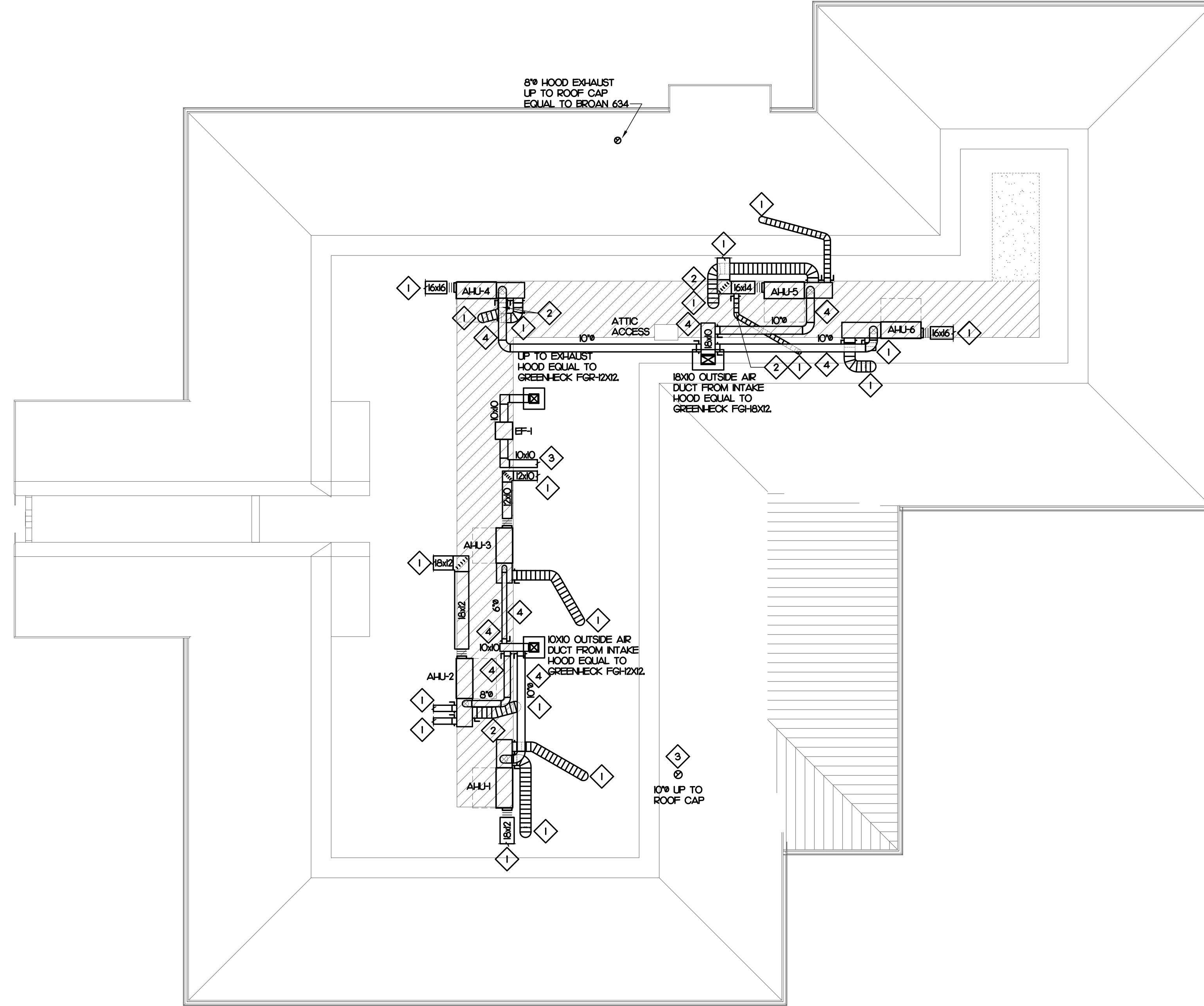
1 MECHANICAL PLAN
M1.1 SCALE: 1/8" = 1'-0"



GENERAL NOTE:
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Sheet Title	
MECHANICAL PLAN	

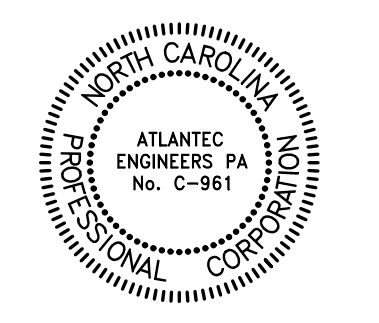
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MECHANICAL KEY NOTES

- 1 SUPPLY/RETURN DUCT TO/FROM FIRST FLOOR. SEE M1 FOR CONTINUATION.
- 2 DUCTWORK LOCATED BELOW ATTIC PLATFORM.
- 3 EXHAUST DUCT FROM FIRST FLOOR. SEE M1 FOR CONTINUATION.
- 4 ROUTE OUTSIDE AIR DUCT AS HIGH AS POSSIBLE.

1 MECHANICAL ATTIC PLAN
M1.2 SCALE: 1/8" = 1'-0"



GENERAL NOTE:
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MECHANICAL ATTIC PLAN	

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT METHOD OF COMPLIANCE

PRESCRIPTIVE ENERGY COST BUDGET

THERMAL ZONE 4A

EXTERIOR DESIGN CONDITIONS
 winter dry bulb: 16°F
 summer dry bulb: 93°F
 relative humidity: 46%

INTERIOR DESIGN CONDITIONS
 winter dry bulb: 70°F
 summer dry bulb: 74°F
 relative humidity: 50%

BUILDING HEATING LOAD: BLOCK LOAD = 120.0 MBH
 BUILDING COOLING LOAD: BLOCK LOAD = 252.2 MBH (2.0 TONS)

MECHANICAL SPACING CONDITIONING SYSTEM
 Unitary:
 description of unit:
 heating efficiency:
 cooling efficiency:
 heat output of unit:
 cooling output of unit:
 SEE SCHEDULES ON SHEET(S) THIS SHEET

Boiler: NA
 total boiler capacity, if oversized state reason.

Chiller: NA
 total chiller capacity, if oversized state reason.

LIST EQUIPMENT EFFICIENCIES: SEE SCHEDULES ON SHEET(S) THIS SHEET

EQUIPMENT SCHEDULES WITH MOTORS (MECHANICAL SYSTEMS)
 motor horsepower:
 number of phases:
 minimum efficiency:
 motor type:
 # of poles:
 SEE SCHEDULES ON SHEET(S) THIS SHEET

DESIGNER STATEMENT
 To the best of my knowledge and belief, the design of this building complies with the mechanical systems, service systems and equipment requirements of the North Carolina State Energy Code.

SIGNED: *Patrick McCabe*

NAME: Patrick J. McCabe, PE

TITLE: Professional Engineer

SPLIT-SYSTEM HEAT PUMP SCHEDULE

INSIDE UNIT						OUTSIDE UNIT													
MARK	BASIS OF DESIGN	FAN CFM	SUPP. HEAT LFP	ELECTRICAL POWER FLA	MOOP	MARK	BASIS OF DESIGN	TOTAL CAPACITY	HEATING CAPACITY	ELECTRICAL POWER FLA	MOOP	EFFICIENCY COOLING	HEATING	NOTES					
AHJ-1	TRANE GAMEBOC48	1450	0.5	3/4	9.6 kW	230/1	46.0	60	HP-1	TRANE 4TWR4048	48.2 MBH	35.4 MBH	29.2 MBH	230/1	20.7	45	14.5 SEER	8.5 HSPFF	I-7
AHJ-2	TRANE GAMEBOC48	1450	0.5	3/4	9.6 kW	230/1	46.0	60	HP-2	TRANE 4TWR4048	48.2 MBH	35.4 MBH	29.2 MBH	230/1	20.7	45	14.5 SEER	8.5 HSPFF	I-7
AHJ-3	TRANE GAMEBOA18	600	0.5	1/3	4.8 kW	230/1	22.8	30	HP-3	TRANE 4TWR4018	18.5 MBH	13.4 MBH	10.6 MBH	230/1	9.5	20	14.5 SEER	8.5 HSPFF	I-7
AHJ-4	TRANE GAMEBOC60	1600	0.5	1	9.6+4.8	230/1	47.6	60+25	HP-4	TRANE 4TWR5060	57.5 MBH	44.4 MBH	36.0 MBH	230/1	26.5	50	14.5 SEER	8.5 HSPFF	I3-9
AHJ-5	TRANE GAMEBOC48	1300	0.5	3/4	9.6 kW	230/1	46.0	60	HP-5	TRANE 4TWR4048	48.2 MBH	35.4 MBH	29.2 MBH	230/1	20.7	45	14.5 SEER	8.5 HSPFF	I-7
AHJ-6	TRANE GAMEBOC60	1650	0.5	1	9.6 kW	230/1	47.6	60	HP-6	TRANE 4TWR5060	57.5 MBH	44.4 MBH	36.0 MBH	230/1	26.5	50	14.5 SEER	8.5 HSPFF	I-8

- NOTES:
- PROVIDE WITH FUSIBLE DISCONNECT ON INDOOR AND OUTDOOR UNITS.
 - PROVIDE WITH SINGLE POINT ELECTRICAL CONNECTION.
 - PROVIDE WITH PROGRAMMABLE THERMOSTAT WITH 10 HR BATTERY BACKUP AND 2 HOUR OVERRIDE.
 - SEE OUTSIDE AIR SUMMARY FOR OUTSIDE AIR INTAKE FLOW SETTINGS.
 - ROUTE CONDENSATE TO EXTERIOR SPLASH BLOCK.
 - PROVIDE WITH LOW AMBIENT CONTROLS FOR OPERATION DOWN TO 0 DEGREES FAHRENHEIT.
 - PROVIDE WITH 2" PLEATED FILTER RACK AND FILTER AT UNIT.
 - PROVIDE SIMPLE ENGINEERED SOLUTIONS DEHUMIDIFICATION CONTROL MODULE WITH WALL MOUNTED HUMIDISTAT.
 - PROVIDE WITH (2) CIRCUITS FOR ELECTRIC HEAT. CIRCUIT ONE CONTAINS 9.6 KW AND MOTOR AMPS OF 7.6 AMPS. CIRCUIT TWO CONTAINS 4.8 KW OF ELECTRIC HEAT.

GRILLE & DIFFUSER SCHEDULE

MARK	BASIS OF DESIGN	SERVICE	TYPE	MAX. CFM	FACE SIZE	NECK SIZE	NOTES
A	PRICE SCD 4 CONE	SUPPLY	LOUVERED LAY-IN	100	24X24	6"	I-3
AA	PRICE SMD	SUPPLY	SURFACE MOUNT	100	8X8	6"	I-5
B	PRICE SCD 4 CONE	SUPPLY	LOUVERED LAY-IN	200	24X24	8"	I-3
BB	PRICE SMD	SUPPLY	SURFACE MOUNT	200	10X10	8"	I-5
C	PRICE LPH 6B	SUPPLY	LINEAR BAR GRILLE	200	10X10	8"	I-5
RA	PRICE S30	RETURN	LOUVERED LAY-IN	1000	24X24	SEE DWG	I-3
TA	PRICE S30	TRANSFER	LOUVERED LAY-IN	1000	24X24	SEE DWG	I-3
EA	PRICE S30	EXHAUST	LOUVERED LAY-IN	1000	24X24	SEE DWG	I-3

- NOTES:
- COORDINATE FINISH WITH ARCHITECT.
 - GRILLE TO HAVE FULLY LOUVERED FACE.
 - PROVIDE WITH INSULATED SHEET METAL PLENUM.
 - FRAME FOR SURFACE MOUNTING.
 - PROVIDE WITH OPPOSED BLADE DAMPER.

EXHAUST FAN SCHEDULE

MARK	BASIS OF DESIGN	SERVICE	TYPE	CFM	RPM	HP/AMPS	S.P.	POWER	NOTES
EF-1	COOK 100 SQN-D	TOILETS	INLINE FAN	475	1200	1/6 HP	0.5"	120/1	I-3
EF-2	COOK 60-320	CRAFT	CABINET FAN	330	1200	1/3 Watts	0.25"	120/1	I2,4

- NOTES:
- PROVIDE WITH DISCONNECT SWITCH.
 - PROVIDE WITH BACKDRAFT DAMPER.
 - CONTROL VIA TIMECLOCK.
 - CONTROL VIA WALL SWITCH BY EC.

ELECTRIC UNIT HEATER SCHEDULE

MARK	BASIS OF DESIGN	LOCATION	CFM	CAPACITY (BTU)	ELECTRICAL (A) (W) POWER	NOTES
UH	QMARK CW-180DF	VESTIBULE	65	5/20	12.5 15 120/1	I-3

- NOTES:
- PROVIDE WITH POWER DISCONNECT.
 - PROVIDE WITH INTEGRAL THERMOSTAT.
 - PROVIDE WITH SURFACE MOUNTING KIT.

GENERAL NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE CODE, ALL LOCAL AND OTHER APPLICABLE CODES.
- ANY PERMITS AND INSPECTION FEES SHALL BE SECURED AND PAID FOR BY THE MECHANICAL CONTRACTOR (M.C.).
- ALL WORK SHALL BE PERFORMED BY EXPERIENCED AND SKILLED CRAFTSMAN. THE M.C. SHALL COORDINATE ALL OF HIS WORK WITH ALL OTHER CONTRACTORS.
- THE MECHANICAL PLANS AND SPECIFICATIONS SHALL BE THOROUGHLY REVIEWED PRIOR TO PURCHASING MATERIALS AND INSTALLATION. ALL DISCREPANCIES OR INTERFERENCES SHALL BE BROUGHT TO THE ENGINEERS' ATTENTION.
- THESE PLANS ARE DIAGRAMMATIC AND MAY NOT SHOW MINOR DETAILS AND LOCATIONS. FOR DIMENSIONS, REFER TO THE ARCHITECTURAL PLANS.
- THE M.C. SHALL BE RESPONSIBLE FOR ALL ELECTRICAL STARTERS, INTERLOCKS, CONTROL WIRING. THE ELECTRICAL CONTRACTOR SHALL PROVIDE POWER WIRING, CONDUIT FROM THE DISCONNECT TO M.C. EQUIPMENT. THE M.C. SHALL BE RESPONSIBLE FOR ALL FINAL CONNECTION TO HIS EQUIPMENT.
- INSTALL FLEXIBLE CONNECTORS ON SUPPLY AND RETURN DUCTWORK AT ALL AIR HANDLING UNITS.
- INSTALL TURNING VANES IN ALL DUCTS AT ELBOWS. PROVIDE BALANCING AND SPLITTER DAMPERS WHERE SHOWN AND AS REQUIRED FOR SYSTEM BALANCING.
- ALL THERMOSTATS, WIRING AND CONDUIT ARE TO BE FURNISHED BY THE M.C. MOUNT THERMOSTATS 4'-0" ABOVE THE FLOOR, UNLESS OTHERWISE NOTED.
- THE M.C. SHALL INSURE THAT ALL MECHANICAL EQUIPMENT INSTALLED UNDER HIS CONTRACT SHALL OPERATE FREE OF OBJECTIONABLE NOISE AND VIBRATION.
- THE M.C. SHALL KEEP THE PREMISES CLEAR OF DEBRIS FROM HIS WORK DURING CONSTRUCTION AND LEAVE THE AREA AND BUILDING CLEAN AT THE COMPLETION OF HIS WORK. HE SHALL ALSO LEAVE CLEAN ALL EXPOSED EQUIPMENT IN HIS CONTRACT.
- FLEXIBLE DUCT RUNOUTS SHALL BE A MAXIMUM OF 10'-0".
- ALL FLEXIBLE DUCT RUNOUTS SHALL INCLUDE INSULATED DAMPERED BOOTS AT THE POINT OF CONNECTION WITH RECTANGULAR DUCT. PROVIDE ALL FLEXIBLE DUCTWORK WITH FOIL-BACKED, EXTERNALLY WRAPPED INSULATION FOR A MINIMUM OF R-8.
- ALL DUCTWORK SIZES SHOWN ARE ACTUAL SHEET METAL DIMENSIONS. EXTERNALLY WRAP ALL DUCT WITH 3" FOIL-BACKED INSULATION FOR A MINIMUM OF R-8.
- ALL GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL INSTALLED IN ACCORDANCE WITH ALL CODES. THE M.C. SHALL COORDINATE GAS PIPE CONNECTION SIZE WITH EQUIPMENT.
- MECHANICAL CONTRACTOR SHALL WORK WITH TEST AND BALANCE CONTRACTOR TO REMEDY ANY DIFFERENCES TO INCLUDE FAN DRIVE CHANGES, INSTALLATION OF DAMPERS OR OTHER MINOR DUCT MODIFICATIONS TO PROVIDE AIRFLOW TO WITHIN +/- 10% OF THE DESIGN VALUES LISTED ON THESE PLANS.
- THE AIR HANDLING UNIT SHALL OPERATE AT ALL TIMES DURING OCCUPIED HOURS.
- THE MECHANICAL CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A SET OF AS-BUILT DRAWINGS UPON COMPLETION OF JOB.
- THE MECHANICAL CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A SET OF DUCT SHOP DRAWINGS FOR APPROVAL.
- THE MECHANICAL CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A BALANCE REPORT BY A CERTIFIED TEST AND BALANCE COMPANY.
- PROVIDE PERMIT LABEL ENGRAVED PLASTIC LAMINATE MECHANICALLY FASTENED TO OUTDOOR UNITS.
- LABEL CEILING GRID WHERE EQUIPMENT IS LOCATED ABOVE LAY-IN CEILING WITH EQUIPMENT IDENTIFIER. ALSO LABEL ALL TEMPERATURE SENSORS AND THERMOSTATS WITH EQUIPMENT IDENTIFIER.

SYMBOL LEGEND

SYMBOL	DESCRIPTION
	SHEET METAL DUCT
	FLEXIBLE DUCT
	SUPPLY DIFFUSER - LETTER & NUMBER INDICATES TYPE & CFM
	RETURN GRILLE - LETTER & NUMBER INDICATES TYPE & CFM
	EXHAUST GRILLE - LETTER & NUMBER INDICATES TYPE & CFM
	EXHAUST FAN
	THERMOSTAT - MOUNTED 48" ABOVE FINISHED FLOOR
	BALANCING DAMPER
	ELBOW WITH TURNING VANES
	HUMIDISTAT - MOUNTED 48" ABOVE FINISHED FLOOR
	CONDENSATE DRAIN
	PPING TURNED DOWN
	PPING TURNED UP
	PPING SIDE CONNECTION

OUTSIDE AIR SUMMARY

REQUIRED:

CRAFT = 442 SQFT • 0.18 CFM/SQFT • 12 PERSONS • 10.0 CFM/PERSON • 200 CFM
 MED/IMP = 578 SQFT • 0.06 CFM/SQFT • 15 PERSONS • 5.0 CFM/PERSON • 110 CFM
 OFFICES = 2764 SQFT • 0.06 CFM/SQFT • 8 PERSONS • 5.0 CFM/PERSON • 206 CFM
 DINING = 1044 SQFT • 0.18 CFM/SQFT • 60 PERSONS • 7.5 CFM/PERSON • 638 CFM
 KITCHEN = 386 SQFT • 0.12 CFM/SQFT • 3 PERSONS • 7.5 CFM/PERSON • 70 CFM
 FITNESS = 1606 SQFT • 0.06 CFM/SQFT • 12 PERSONS • 20 CFM/PERSON • 336 CFM

TOTAL REQUIRED = 1660 CFM

PROVIDED:

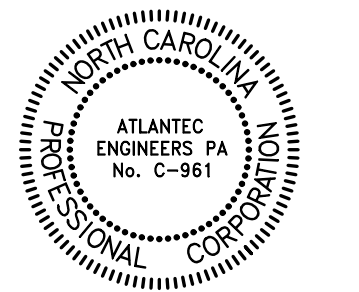
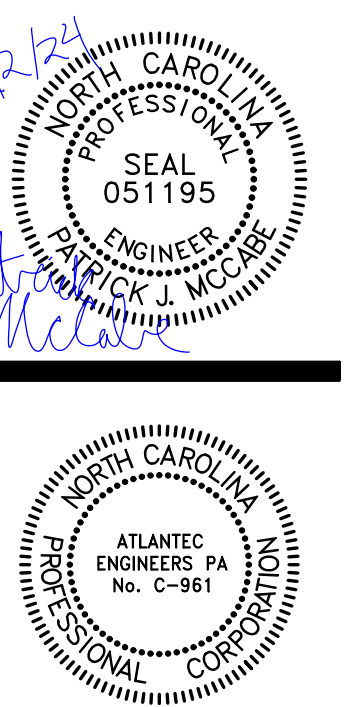
AHJ-1 = 325 CFM
 AHJ-2 = 175 CFM
 AHJ-3 = 50 CFM
 AHJ-4 = 400 CFM
 AHJ-5 = 325 CFM
 AHJ-6 = 350 CFM

TOTAL PROVIDED = 1625 CFM

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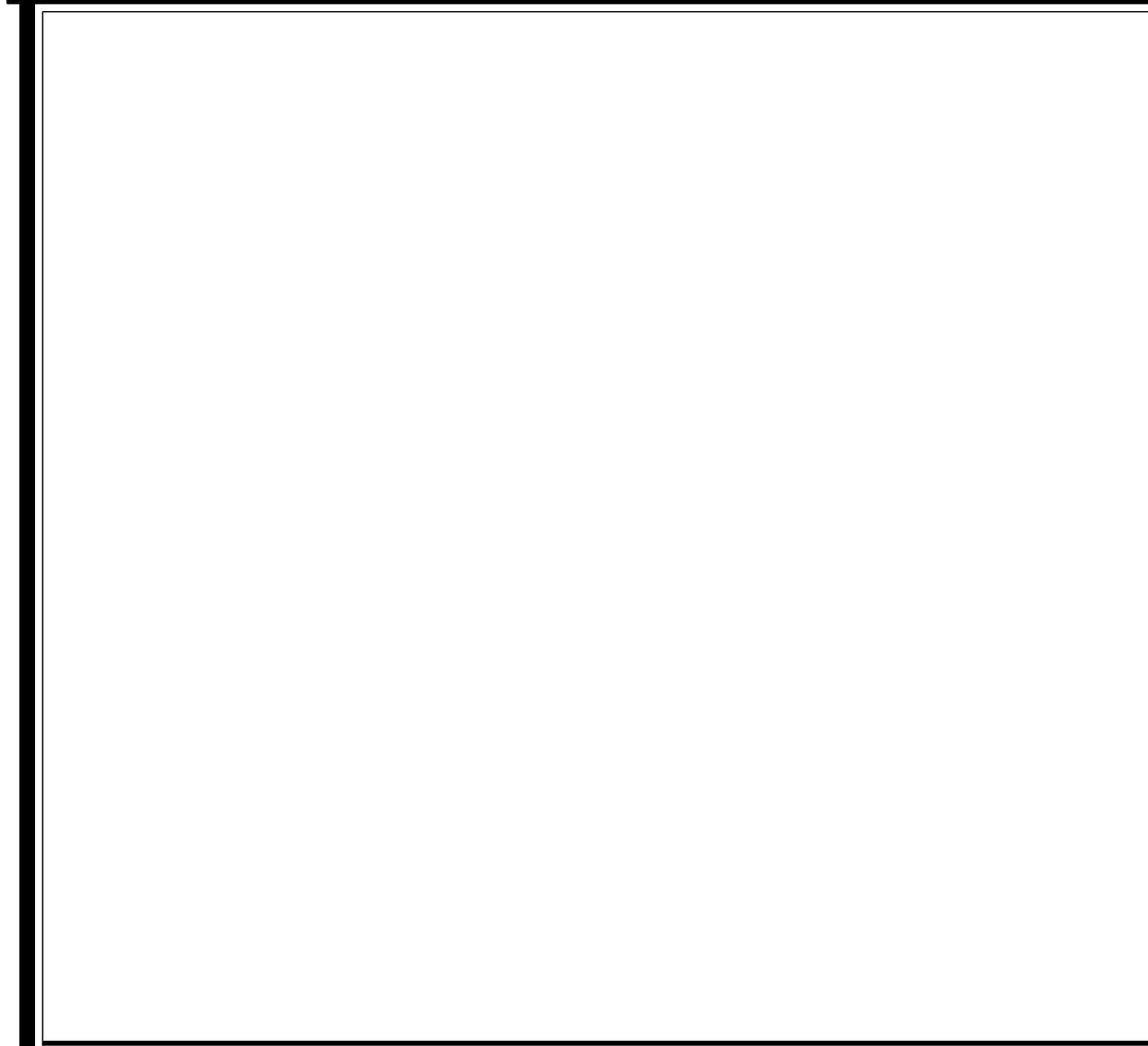
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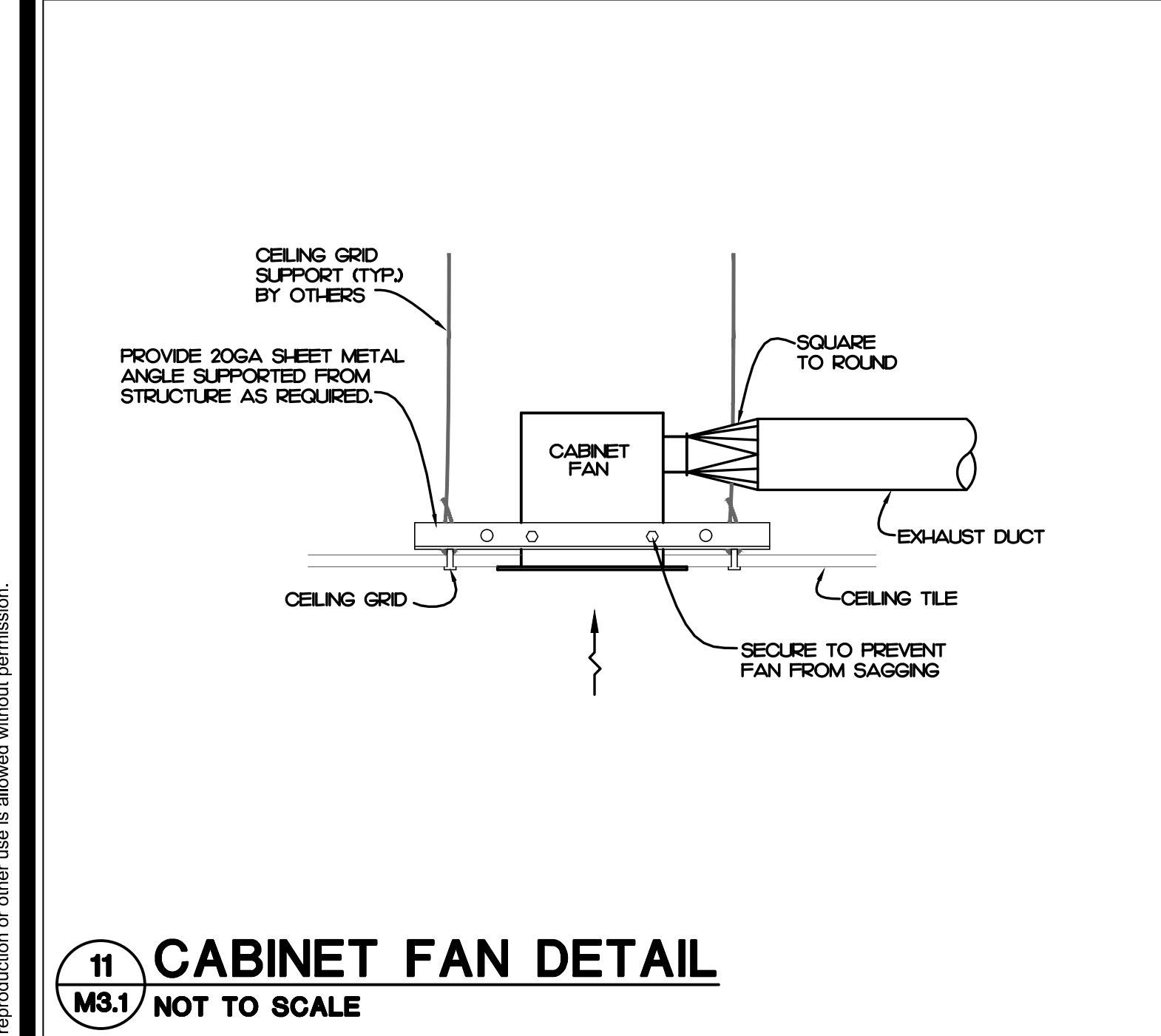
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MECHANICAL NOTES, LEGEND, AND SCHEDULES	

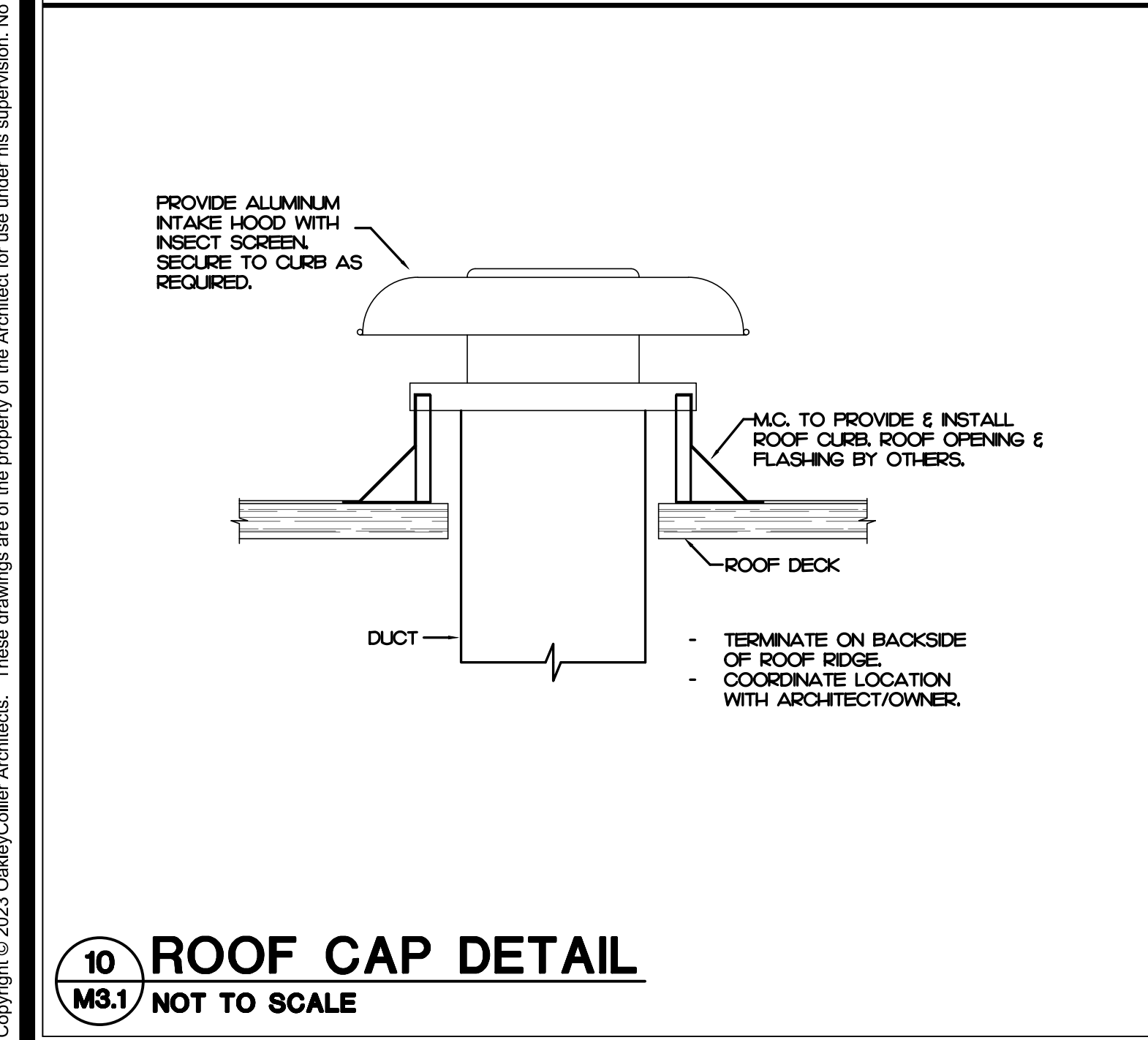
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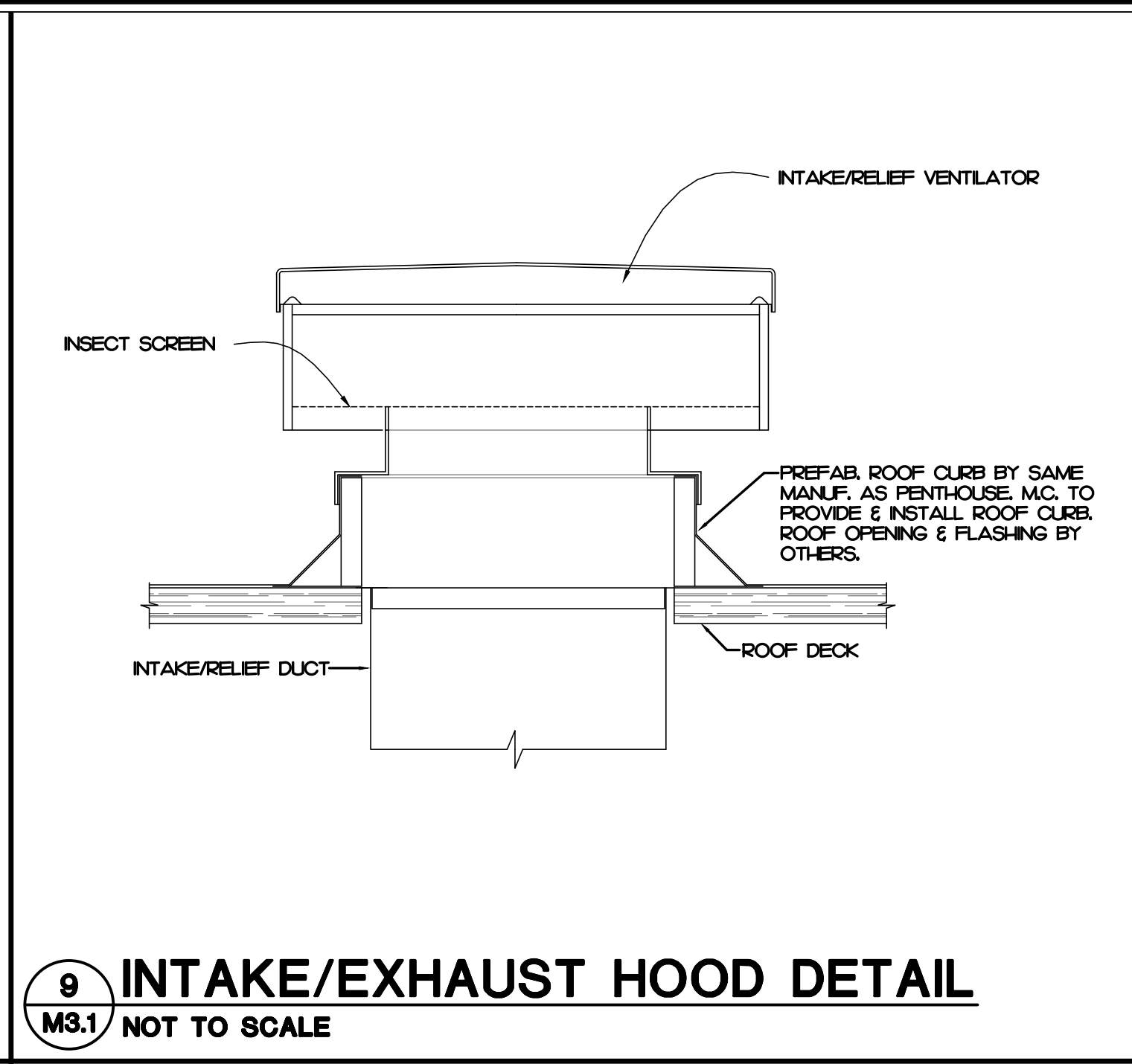
9 INTAKE/EXHAUST HOOD DETAIL
M3.1 NOT TO SCALE



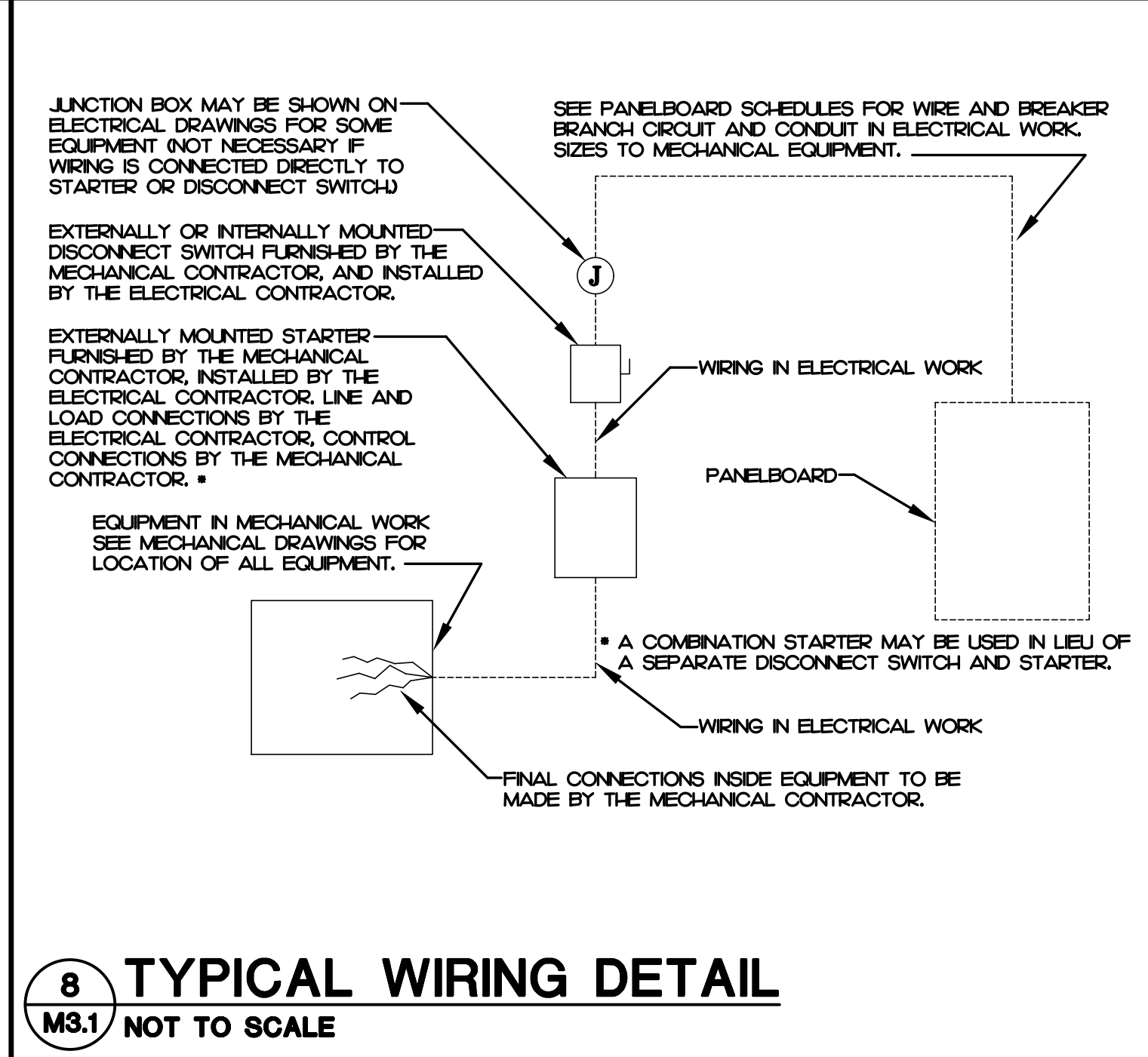
11 CABINET FAN DETAIL
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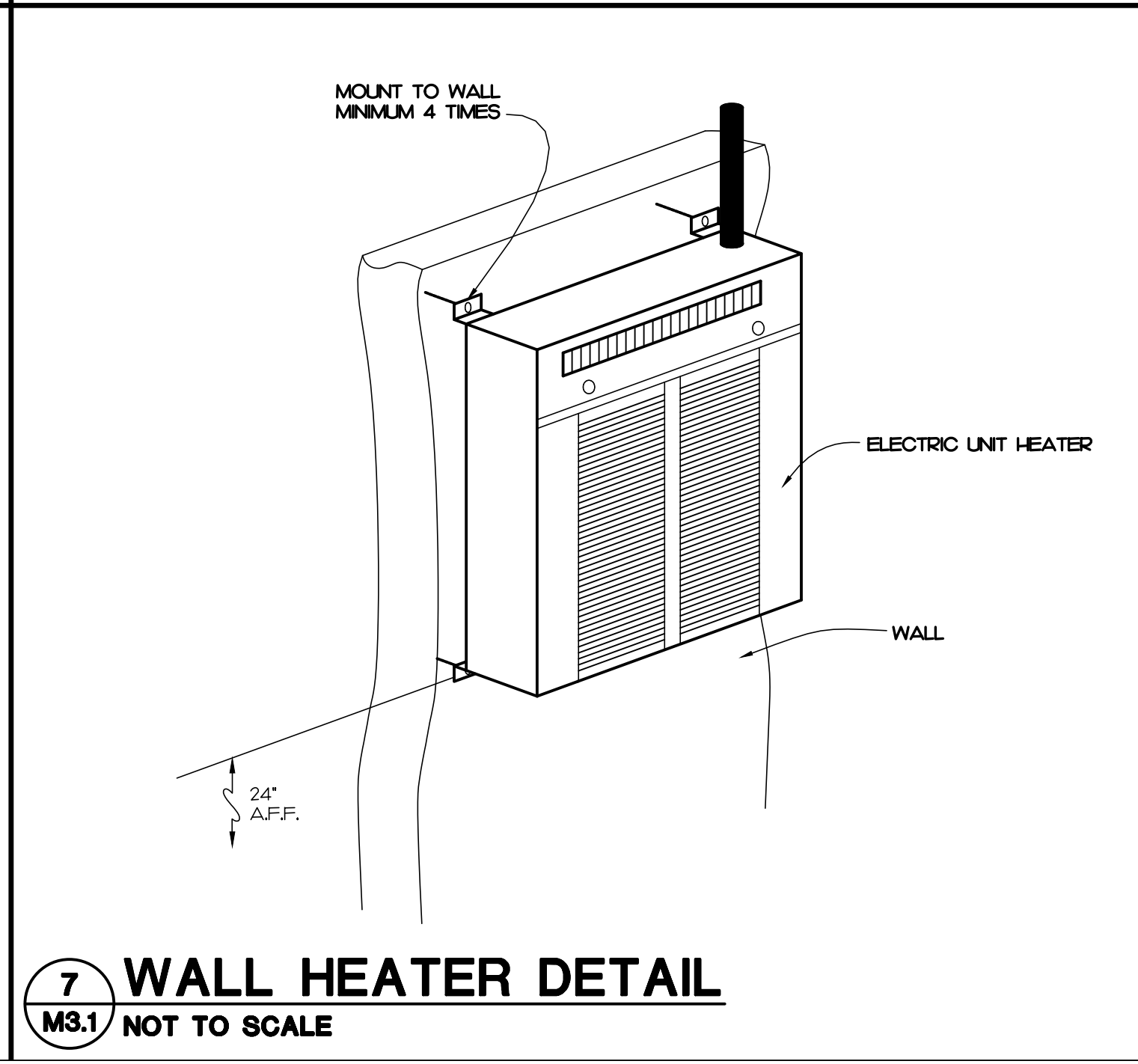
10 ROOF CAP DETAIL
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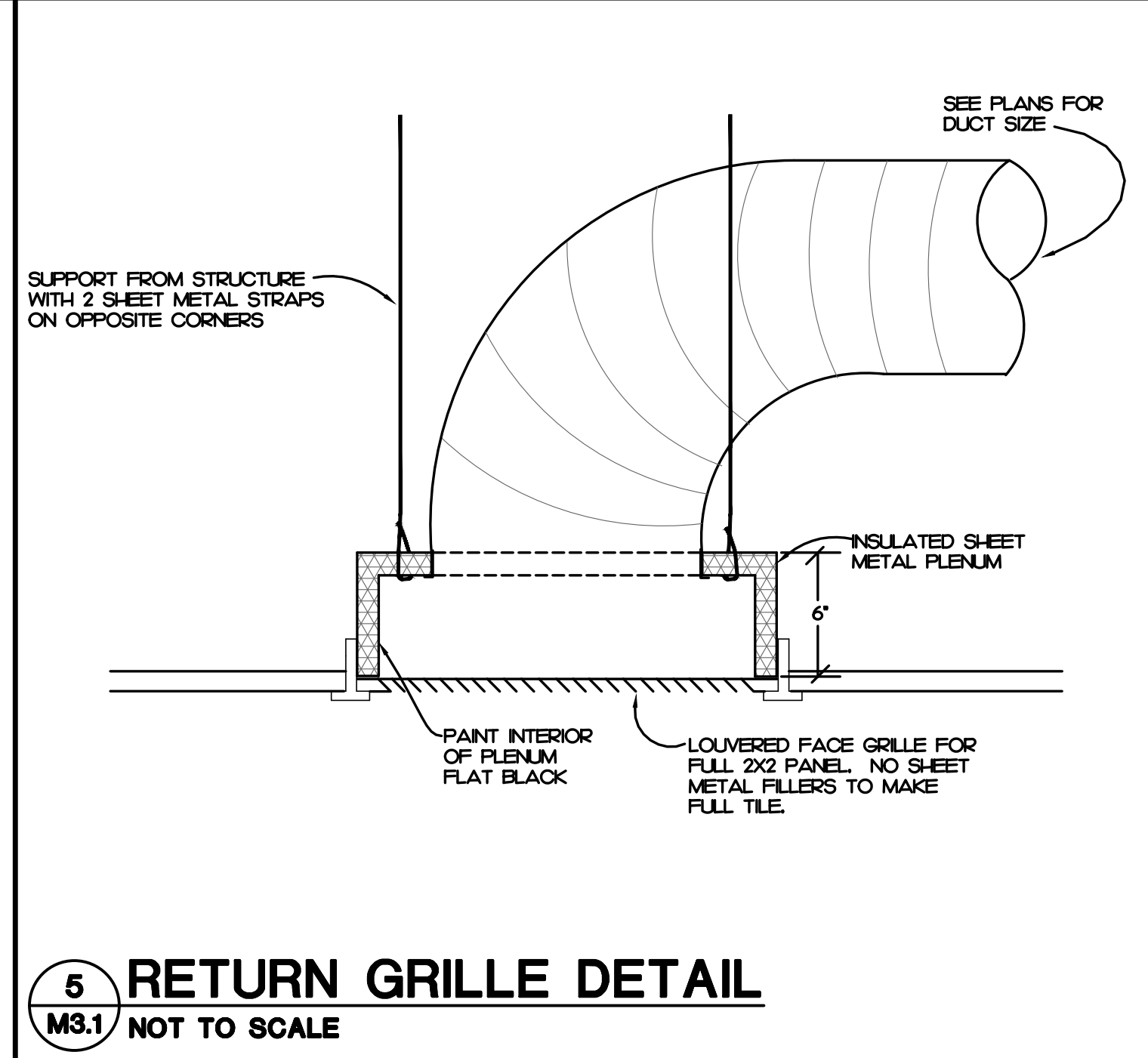
6 HARD CEILING DIFFUSER DETAIL
M3.1 NOT TO SCALE



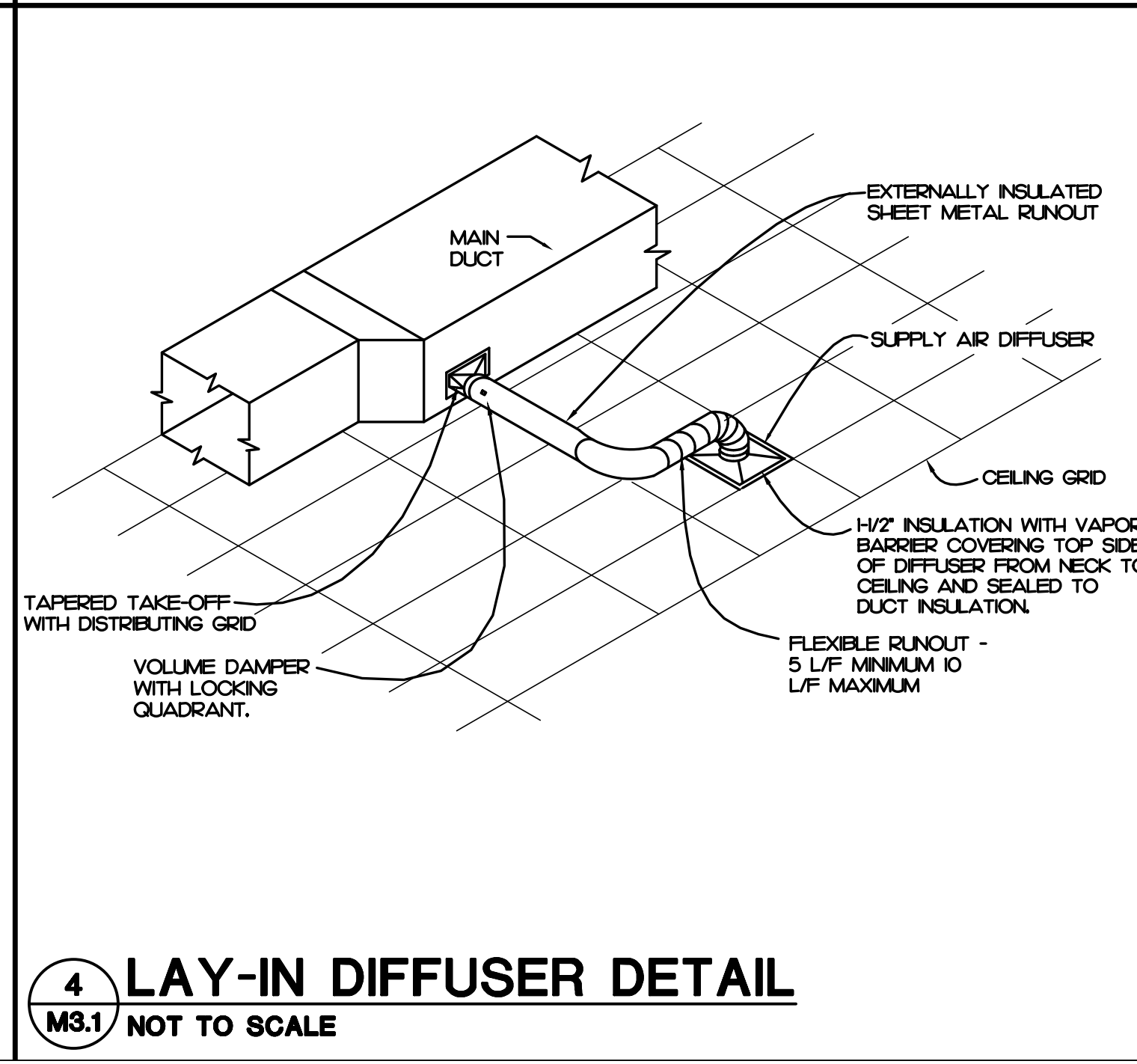
8 TYPICAL WIRING DETAIL
M3.1 NOT TO SCALE



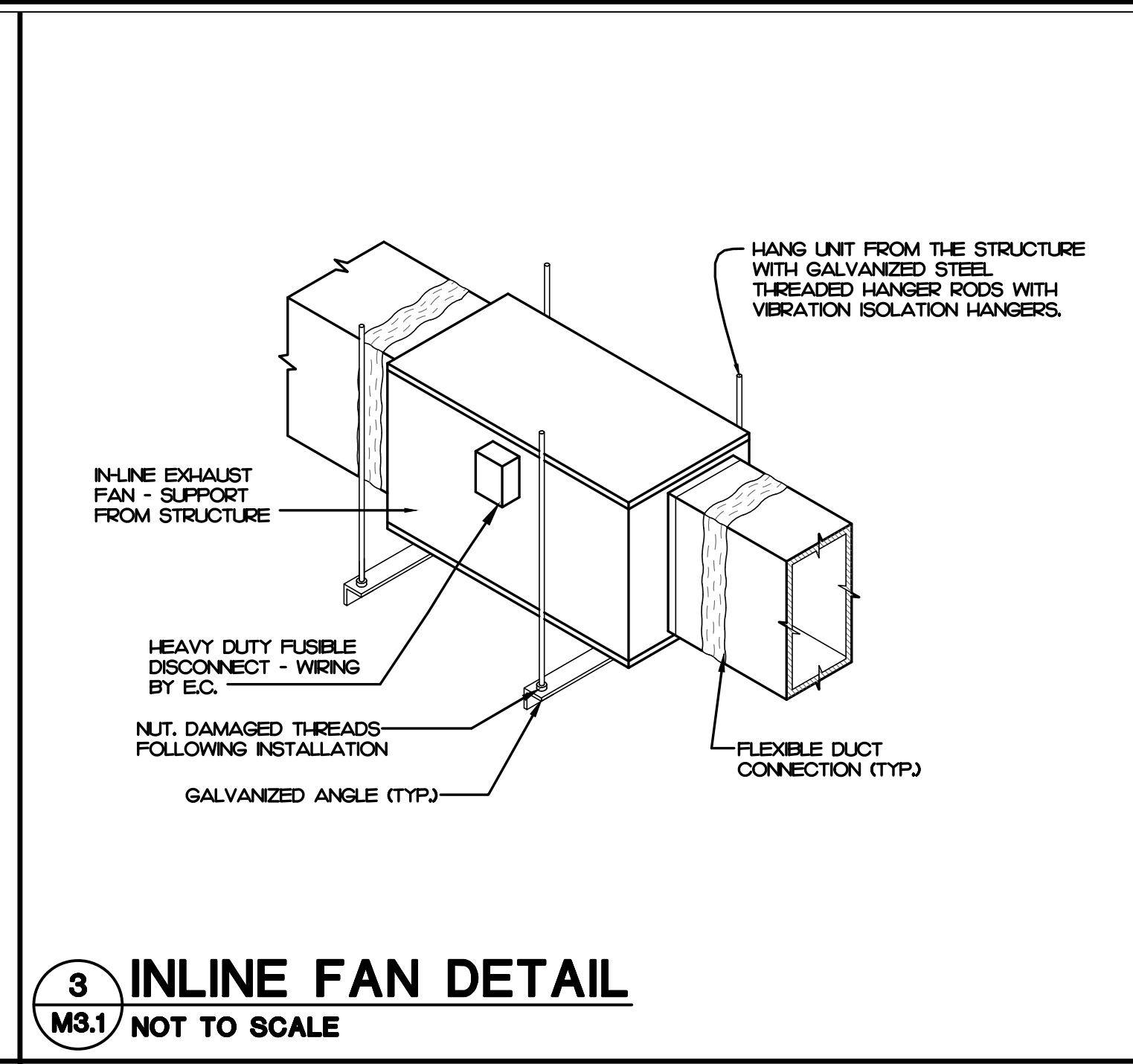
7 WALL HEATER DETAIL
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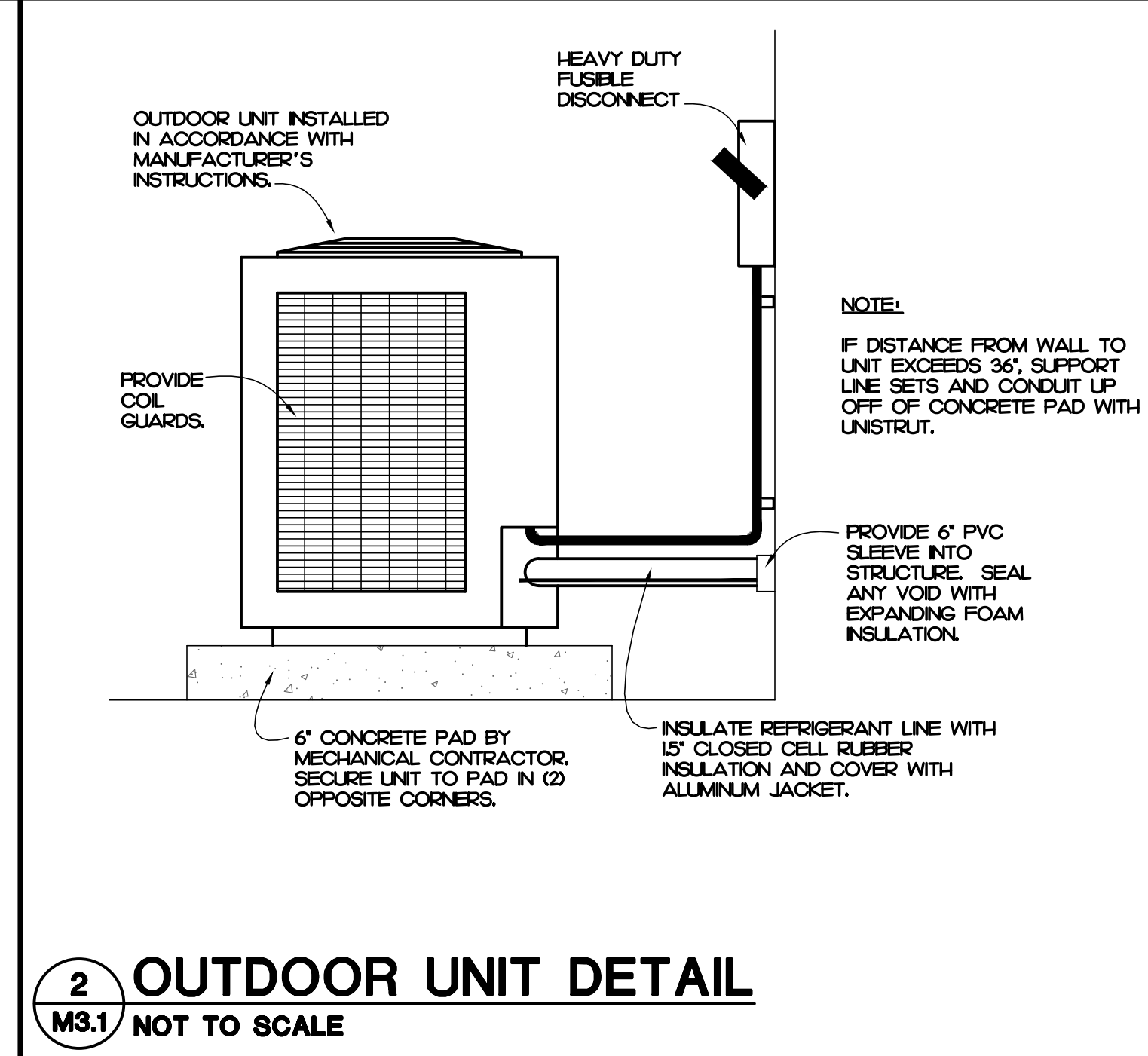
5 RETURN GRILLE DETAIL
M3.1 NOT TO SCALE



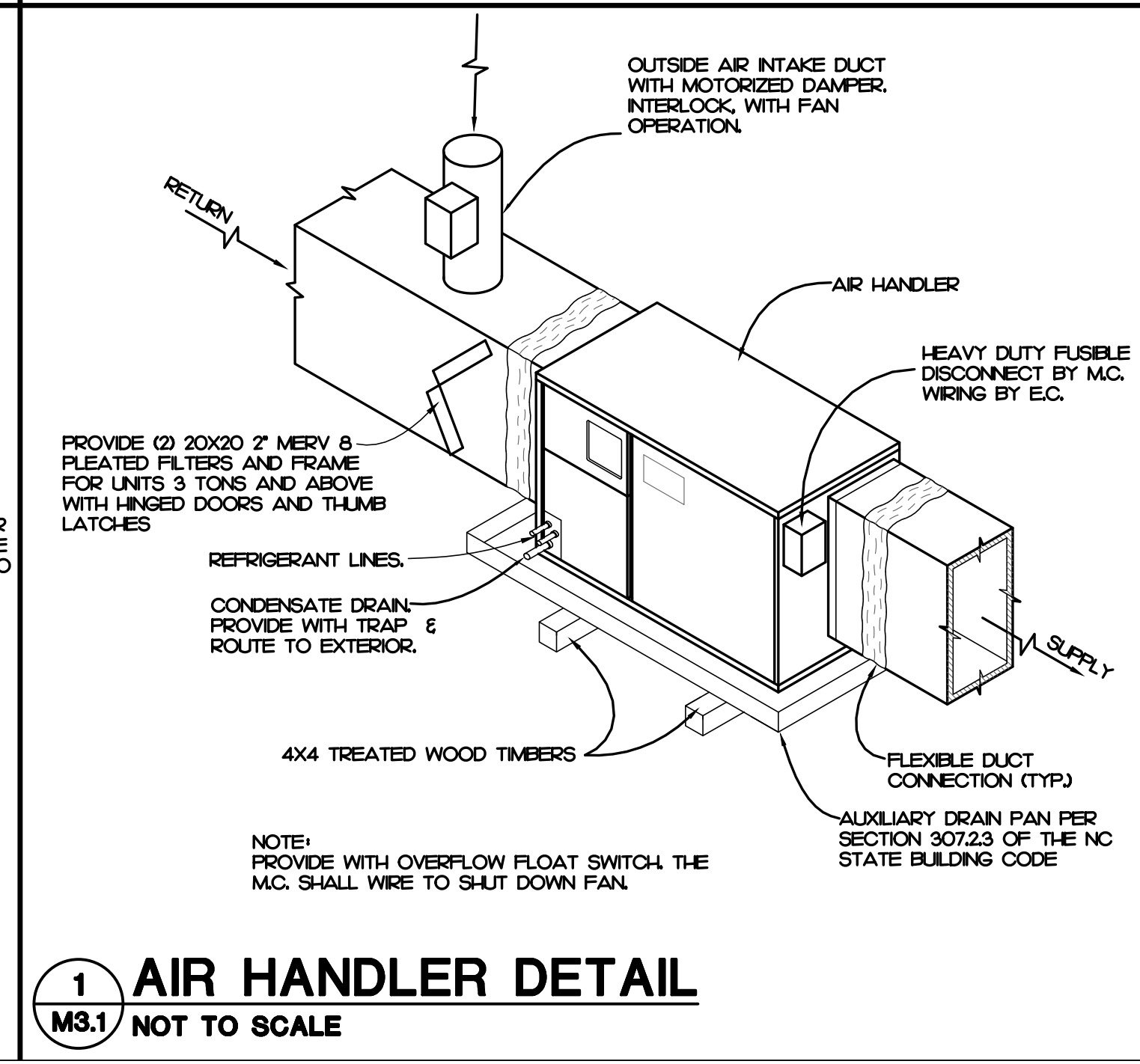
4 LAY-IN DIFFUSER DETAIL
M3.1 NOT TO SCALE



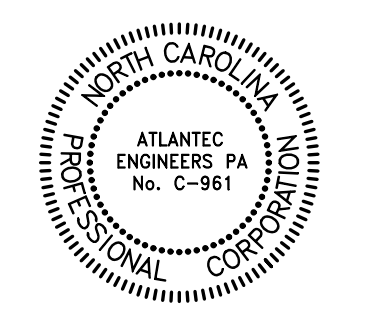
3 INLINE FAN DETAIL
M3.1 NOT TO SCALE



2 OUTDOOR UNIT DETAIL
M3.1 NOT TO SCALE



1 AIR HANDLER DETAIL
M3.1 NOT TO SCALE

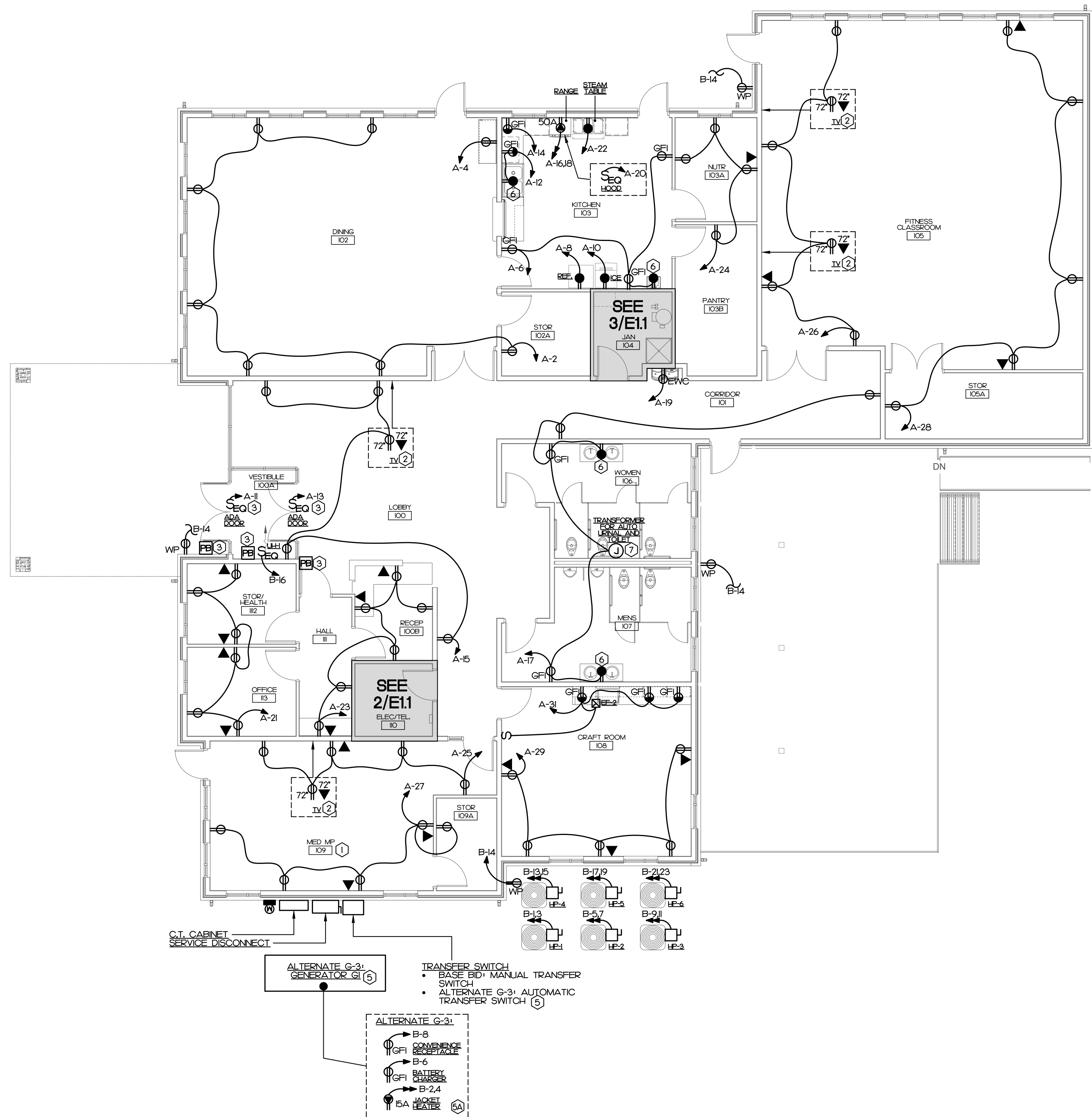


GENERAL NOTE:
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MECHANICAL DETAILS	

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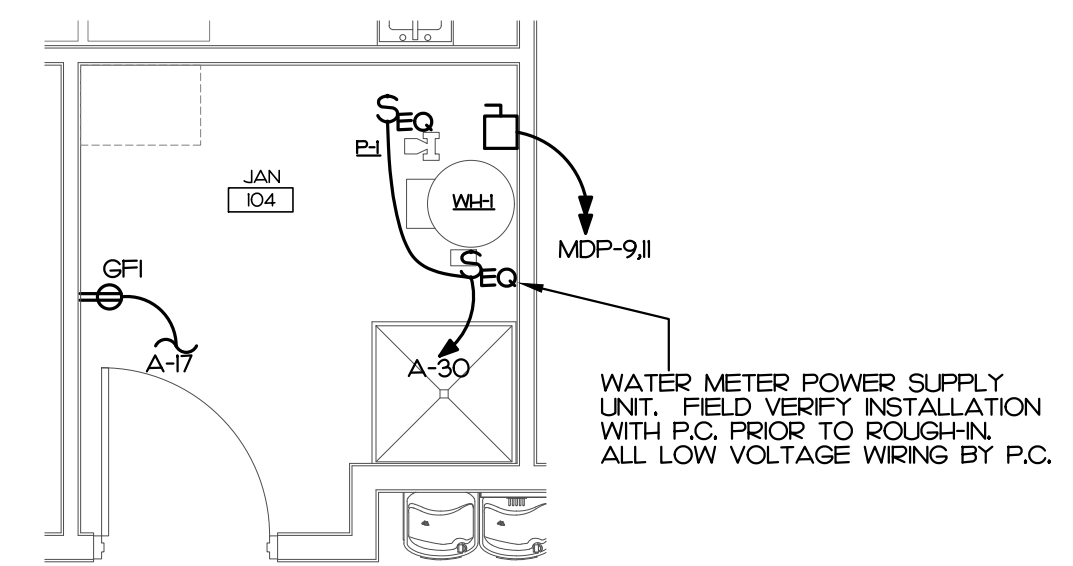
1 POWER PLAN
E11 1/8" = 1'-0"



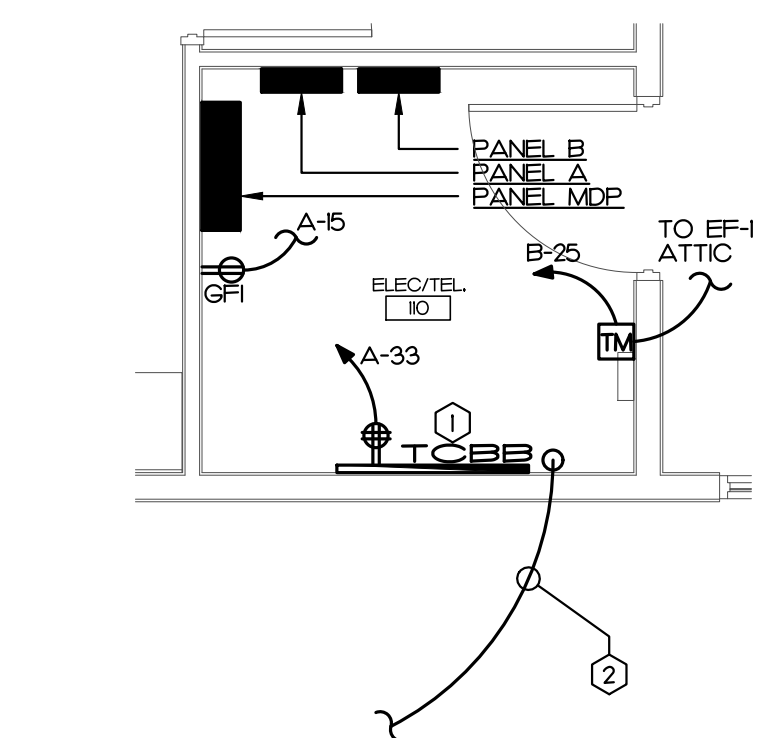
KEY NOTES

- ① ROOM TO BE USED FOR GENERAL PATIENT CARE AREA. ALL INSTALLATION IN THIS ROOM SHALL COMPLY WITH NEC 517.7.
- ② RECEPTACLE AND COMMUNICATION OUTLET FOR TV. FIELD VERIFY EXACT LOCATION AND HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
- ③ CONNECTION FOR ADA DOOR.
 - E.C. SHALL PROVIDE WITH DISCONNECT SWITCH.
 - E.C. SHALL INSTALL OPERATOR PUSH BUTTON AND WIRE PER MANUFACTURER INSTRUCTION.
- ④ RECEPTACLE LOCATED IN HOT BOX FOR HEAT TRACE TO PLUG-IN. SEE SITE PLAN FOR LOCATION.
- ⑤ ALTERNATE G-3:
 - ⑤A FIELD COORDINATE INSTALLATION INSIDE GENERATOR ENCLOSURE.
- ⑥ RECEPTACLE FOR AUTO FAUCET.
 - FIELD VERIFY LOCATION WITH P.C. UNDER SINK FOR POWER SUPPLY TO PLUG-IN.
 - CONNECT TO LOAD SIDE OF NEARBY GFCI RECEPTACLE AS INDICATED.
- ⑦ TRANSFORMER FOR AUTO URINAL AND TOILET.
 - LOCATED IN ACCESSIBLE CEILING SPACE.
 - FIELD VERIFY LOCATION WITH P.C.
 - PROVIDE WITH DISCONNECT SWITCH.
 - LOW VOLTAGE WIRING TO URINALS AND TOILETS BY P.C.

3 ENLARGED POWER PLAN
E1.1 1/4" = 1'-0"



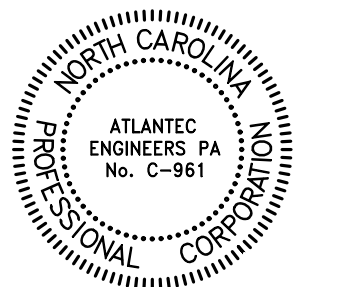
WATER METER POWER SUPPLY UNIT. FIELD VERIFY INSTALLATION WITH P.C. PRIOR TO ROUGH-IN. ALL LOW VOLTAGE WIRING BY P.C.



KEY NOTES

- ① COMMUNICATION DEMARC BOARD:
 - PROVIDE 4' X 8' 3/4" THICK FIREPROOF PLYBOARD.
 - PROVIDE GROUND BAR AND #6G CU IN 1/2" TO MAIN GROUND BAR AT SERVICE DISCONNECT.
- ② COMMUNICATION SERVICE CONDUITS:
 - 2 - 2" CONDUITS. RUN TO THE PROPERLY LINE.
 - FIELD COORDINATE SITE STUB OUT POINT WITH THE LOCAL VOICE/DATA PROVIDER.
 - TERMINATE 1/2" AFF IN ELEC/TEL I/O.
 - PROVIDE WITH PULL WIRES.
 - AFTER COMMUNICATION SERVICE COMPANY INSTALL THE SERVICE CABLE, E.C. SHALL SEAL BOTH ENDS AS REQUIRED.

2 ENLARGED POWER PLAN
E1.1 1/4" = 1'-0"



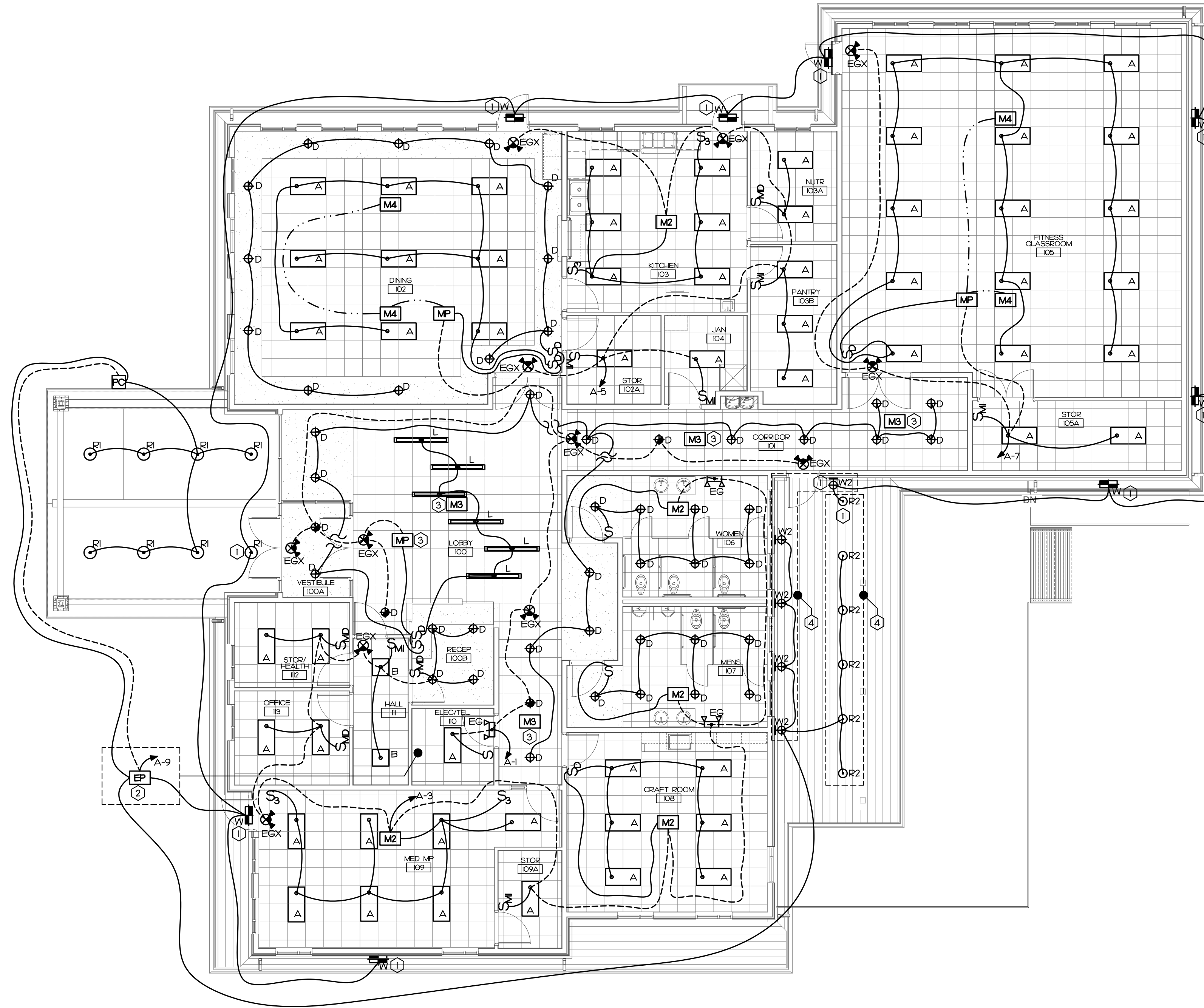
GENERAL NOTE:
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POWER PLAN

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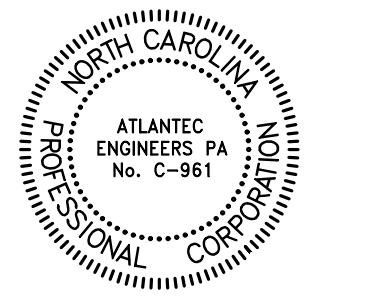
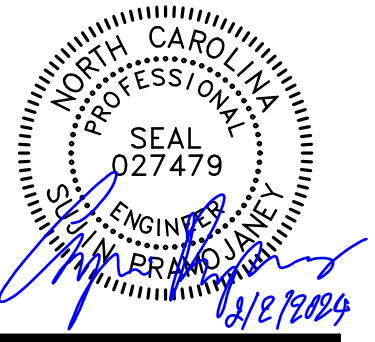
KEY NOTES

- ① EXTERIOR LIGHT FIXTURE TO BE USED AS EXTERIOR EMERGENCY LIGHT. CONTROL BY EMERGENCY POWER BACKUP UNIT PER KEY NOTE #2.
- ② EMERGENCY POWER BACKUP UNIT FOR EXTERIOR EMERGENCY LIGHT.
 - CONNECT EMERGENCY CIRCUIT UNSWITCHED TO CKT# A-9.
 - CONNECT NORMAL SWITCHED CIRCUIT VIA PHOTOCELL.
 - LOCATE ADJACENT TO PANEL BOARD.
- ③ MOTION SENSORS AND POWER PACK FOR:
 - LOBBY 100
 - VESTIBULE 100A
 - CORRIDOR 101
 PROVIDE LOW VOLTAGE WIRES BETWEEN DEVICES PER MANUFACTURER INSTRUCTION.
- ④ BASE BID INSTALLATION:
 - INSTALLATION IS REQUIRED, IF ALTERNATE G-I IS NOT ACCEPTED, SEE KEY NOTE #5.
- ⑤ ALTERNATE G-I:
 - INSTALLATION IS REQUIRED, IF ALTERNATE G-I IS ACCEPTED.

NOTES

1. TYPE 'A' FIXTURE LUMEN SETTING:
 - 4000 LUMEN: 103B,
 - 5000 LUMEN: 103A, 108, 109, 109A, 110, 112, 113
 - 6000 LUMEN: 102, 102A, 103, 104, 105, 105A
2. TYPE 'D' FIXTURE LUMEN SETTING:
 - 500 LUMEN: 100, 100A, 101, 106, 107
 - 2000 LUMEN: 102

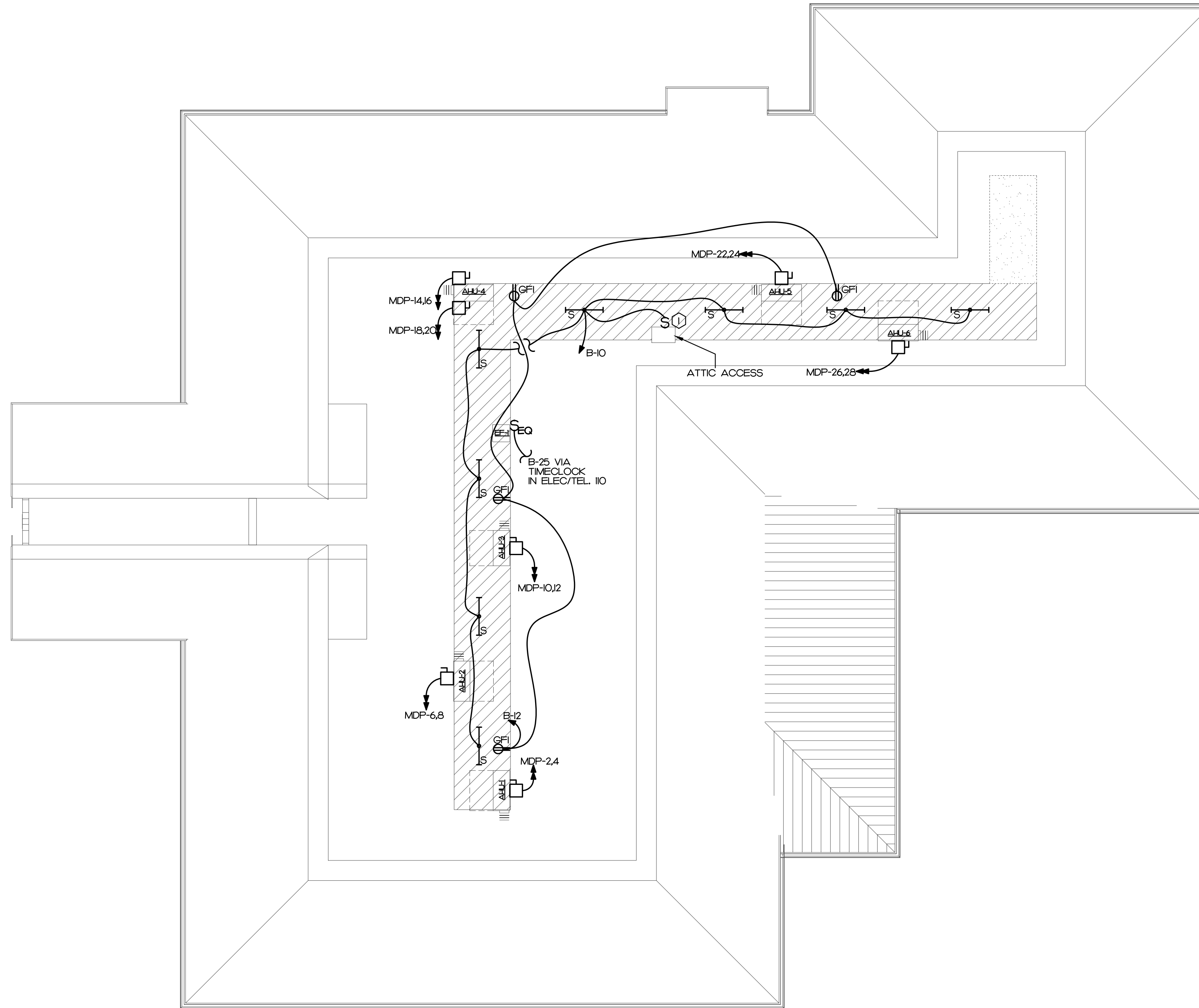
1 LIGHTING PLAN
E1.2 1/8" = 1' - 0"



GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

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SP	LIGHTING PLAN

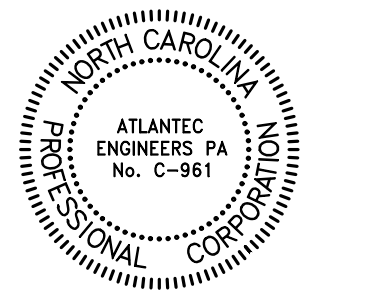
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KEY NOTES

① FIELD COORDINATE TO LOCATE LIGHT SWITCH NEAR ATTIC ACCESS.

1 ELECTRICAL ATTIC PLAN
E1.2 1/8" = 1' - 0"



GENERAL NOTE:
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ELECTRICAL ATTIC PLAN	

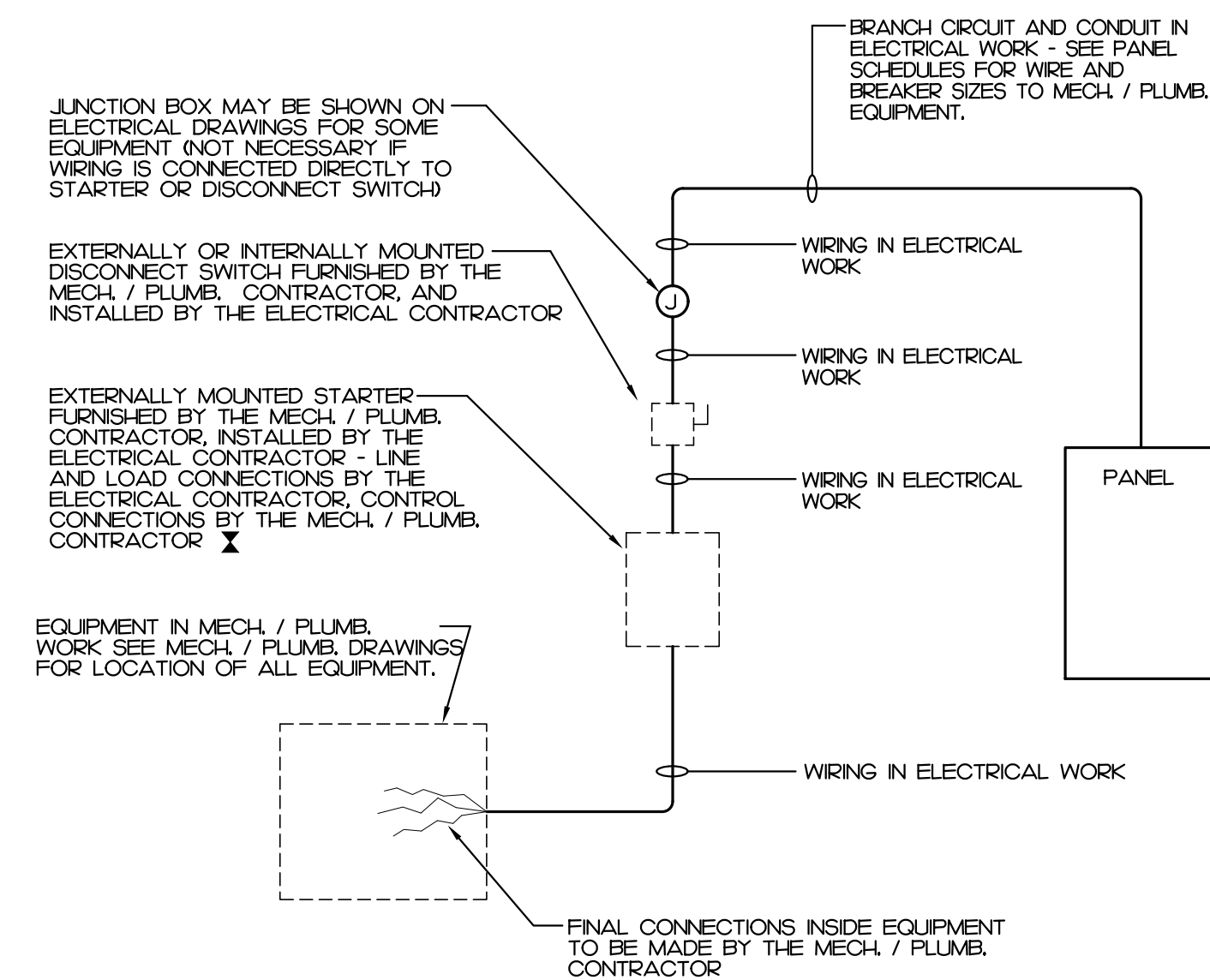
LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	CATALOG	ELECTRICAL DATA	NOTES
A	2x4 LED FLAT PANEL FIXTURE RECESSED MOUNTED 4000/5000/6000 LUMEN	LITHONIA ¹ CPX-2X4-AL08-SWW7-M2	4000/5000/6000 LUMEN LED, 3500K/4000K/5000K 0-10V ELECTRONIC DIMMING DRIVER 29/31/32 W - 33/42/55 VA, I20-277V	SET COLOR TO 3500K SEE NOTE ON PLAN FOR LUMEN SETTING.
B	2x2 LED FLAT PANEL FIXTURE RECESSED MOUNTED 2400/3300/4000 LUMEN	LITHONIA ¹ CPX-2X2-AL07-SWW7-M4	2400/3300/4000 LUMEN LED, 3500K/4000K/5000K 0-10V ELECTRONIC DIMMING DRIVER 20/28/34 W - 23/32/38 VA, I20-277V	SET COLOR TO 3500K SET LUMEN TO 2400 LUMEN
D	6" LED CAN LIGHT FIXTURE RECESSED MOUNTED 1000/1500/2000 LUMEN	LITHONIA ¹ LDN6-AL02-SWWHL06-AR-LD-MVOLT-LGZ	1000/1500/2000 LUMEN LED, 3500K/4000K/5000K 0-10V ELECTRONIC DIMMING DRIVER 12/19/25 W - 14/22/29 VA, I20-277V	SET COLOR TO 3500K SEE NOTE ON PLAN FOR LUMEN SETTING.
L	6 FT. LINEAR PENDANT LIGHT FIXTURE PENDANT MOUNTED DIRECT ¹ 2400 LUMEN INDIRECT ¹ 1650 LUMEN	ALW ¹ HEMCS-56-H/80/3500-0/10/S-EXT -MED/80/3500-0/10/S-EXT-***-LUNV	4050 LUMEN LED (TOTAL), 3500K 0-10V ELECTRONIC DIMMING DRIVER 67.5 W - 75 VA, I20-277V	** FINISH COLOR PER ARCHITECT INSTRUCTION. HANG BOTTOM 10 FT. AFF.
R1	18" LED ROUND SURFACE LIGHT FIXTURE SURFACE MOUNTED, WHITE FINISH, 1800 LUMEN LISTED FOR WET LOCATION	JUNO ¹ JSP-18IN-H8LM-SWW5-90CR-I20-FRPC -WH	1800 LUMEN LED, 2700K/3000K/3500K/4000K/5000K ELECTRONIC PHASE DIMMING DRIVER 20 WATTS - 23 VA, I20-277V	SET COLOR TO 3500K
R2	ALTERNATE G-I 18" LED ROUND SURFACE LIGHT FIXTURE SURFACE MOUNTED, WHITE FINISH, 1800 LUMEN LISTED FOR WET LOCATION	JUNO ¹ JSP-18IN-H4LM-SWW5-90CR-I20-FRPC -WH	1800 LUMEN LED, 2700K/3000K/3500K/4000K/5000K ELECTRONIC PHASE DIMMING DRIVER 14.4 WATTS - 16 VA, I20-277V	SET COLOR TO 3500K
S	4 FT. LED STRIP FIXTURE SURFACE MOUNTED 4000 LUMEN	LITHONIA ¹ CSS-L48-4000LM-MVOLT-40K-80CRI	4000 LUMEN LED, 4000K 0-10V ELECTRONIC DIMMING DRIVER 35 W - 38 VA, I20-277V	
W	EXTERIOR WALL MOUNTED OUT-OFF 1800 LUMEN LISTED FOR WET LOCATION AND OF	LITHONIA ¹ WDGE-I-P2-35K-80CRI-VW-MVOLT-**	1800 LUMEN LED, 3500K ELECTRONIC DRIVER 5 WATTS - 17 VA, I20-277V	** FINISH COLOR PER ARCHITECT INSTRUCTION. SEE ARCHITECT ELEVATION.
W2	BASE BID: IF AN ALTERNATE G-I IS NOT ACCEPTED, EXTERIOR CYLINDER WALL MOUNTED WITH UP (200 LUMEN) AND DOWN (200 LUMEN) LIGHT. LISTED FOR WET LOCATION AND OF	COL LIGHTING ¹ VA2-010A-05-WF-***LED2-35K-UNV-DMI	2400 LUMEN LED, 3500K ELECTRONIC DRIVER 30 WATTS - 33 VA, I20-277V	** FINISH COLOR PER ARCHITECT INSTRUCTION. MOUNT BOTTOM ABOVE 6 FT. AFF. AND PER ARCHITECT INSTRUCTION.
EG	EMERGENCY LIGHT	LITHONIA ¹ EU2L-M2	(2) 0.75W LED HEADS, 0.33 WATTS - 6 VA, I20/277V	
EGX	EMERGENCY WITH EXIT LIGHT 1 SIDE RED LETTER	LITHONIA ¹ EORG-RD-M6	(2) 0.75W LED HEADS, LED FOR PANEL 1 WATTS - 11 VA, I20/277V	

NOTES:

- SEE ARCHITECTURAL PLAN FOR MOUNTING LOCATION AND HEIGHT. FIELD COORDINATE MOUNTING HEIGHT WITH ARCHITECT IF NOT SHOWN ON ARCHITECTURAL PLAN.
- E.C. SHALL SUBMIT CATALOG TO ARCHITECT FOR APPROVAL PRIOR TO ORDERING. FINISH COLOR/TRIM SUBJECT TO BE CHANGED PER ARCHITECT.
- FOR BID PURPOSES LED COLOR SHALL BE 3500K. FIELD VERIFY LED COLOR WITH ARCHITECT PRIOR TO ORDERING.
- EQUAL PRODUCTS ARE ACCEPTABLE UPON ARCHITECT AND ENGINEER APPROVAL. THE ACCEPTABLE MANUFACTURERS ARE:
• ALL FIXTURES - ACQUITY BRAND GROUP, HUBBELL LIGHTING GROUP, COOPER LIGHTING GROUP, ELITE LIGHTING GROUP.

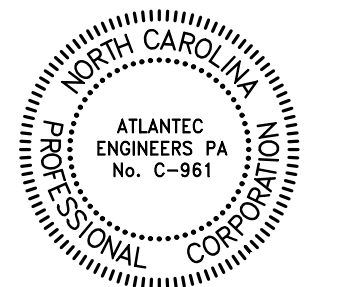
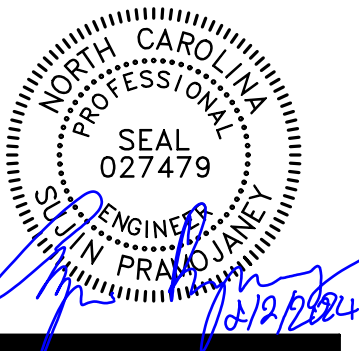
1 FIXTURE SCHEDULE E2.2 NO SCALE



NOTES:

- A COMBINATION STARTER MAY BE USED IN LIEU OF A SEPARATE DISCONNECT SWITCH AND STARTER.
- E.C. SHALL FURNISH ALL REQUIRED FUSES.

2 WIRING TO MECH./PLUMB. EQUIPMENT E2.2 NO SCALE



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FIXTURE SCHEDULE DETAILS	

SYMBOL LEGEND

SYMBOL	DESCRIPTION	REMARKS	SYMBOL	DESCRIPTION	REMARKS
	2 X 4 LAY-IN FIXTURE - LETTER DESIGNATES TYPE	SEE FIXTURE SCHEDULE		CEILING PANEL CABINET FAN, FURNISHED AND INSTALLED BY M.C. WIRED BY E.C.	SEE MECH. PLAN
	2 X 2 LAY-IN FIXTURE - LETTER DESIGNATES TYPE	SEE FIXTURE SCHEDULE		TIMELOCK FOR MECHANICAL EQUIPMENT OPERATION FURNISHED BY M.C. AND INSTALLED BY E.C. PER M.C. INSTRUCTION.	SEE MECH. PLAN
	LINEAR PENDANT FIXTURE - LETTER DESIGNATES TYPE	SEE FIXTURE SCHEDULE		JUNCTION BOX SIZED PER N.E.C.	
	LINEAR STRIP FIXTURE - LETTER DESIGNATES TYPE	SEE FIXTURE SCHEDULE		DISCONNECT SWITCH SEE PLANS FOR SIZE AND TYPE	SQUARE D HEAVY DUTY
	RECESSED CAN LIGHT FIXTURE - LETTER DESIGNATES TYPE	SEE FIXTURE SCHEDULE		NEW CONCEALED WIRING	PER N.E.C.
	PENDANT/SURFACE MOUNT FIXTURE - LETTER DESIGNATES TYPE	SEE FIXTURE SCHEDULE		LOW VOLTAGE WIRING FOR OCCUPANCY SWITCH AND POWER PACK.	PER N.E.C.
	WALL MOUNT FIXTURE - LETTER DESIGNATES TYPE	SEE FIXTURE SCHEDULE		UNSWITCHED LIGHTING CONDUCTOR	PER N.E.C.
	EXTERIOR WALL LIGHT FIXTURE - LETTER DESIGNATES TYPE	SEE FIXTURE SCHEDULE		HOME RUN TO PANEL BOARD NUMBERS OF ARROW INDICATE CIRCUITS	PER N.E.C.
	EMERGENCY WITH EXIT LIGHT - CONNECT UNSWITCHED	SEE FIXTURE SCHEDULE		120/240V 1R, 3W PANEL BOARD - SEE PANEL SCHEDULES	SQUARE D NQ/4-LINE
	BATTERY BACKUP EMERGENCY LIGHT - CONNECT UNSWITCHED	SEE FIXTURE SCHEDULE		UTILITY METER BASE	SEE POWER RISER
	LIGHT FIXTURE ON UNSWITCHED CIRCUIT FOR NIGHT LIGHT. THE SHADE DESIGNATED THE NIGHT LIGHT.	SEE FIXTURE SCHEDULE		COMMUNICATION OUTLET - MOUNT 16" AFF. UNLESS OTHERWISE NOTED. STUB 3/4" CONDUIT TO ACCESSIBLE CEILING OR ATTIC SPACE. OUTLET COVER PLATE AND WIRING BY OTHERS.	SINGLE GANG BOX HUBBELL S83 COVER PLATE
	PHOTOCELL, 105-305VAC, 50/60HZ, 1800VA BALLAST LOAD 1000W TUNGSTEN LOAD, 8A LED LOAD (UP TO 220W @277V)	TORX ZSS924		COMMUNICATION BACKBOARD - 3/4" THICK FIREPROOFED PLYBOARD MOUNTED TO WALL PROVIDE GROUND BAR AND CONNECT 1-#6 AWG GROUND IN 1/2" G. TO PANEL.	
	EMERGENCY POWER UNIT (INVERTER) FOR EMERGENCY LIGHT FIXTURES. 120V INPUT, 120V OUTPUT, 220W WITH 90 MIN. BACKUP TIME.	EELP- PS-220-HP		ADA PUSH BUTTON, MOUNT 42" AFF. UNLESS NOTED OTHERWISE.	FURNISHED BY G.C. INSTALLED BY E.C.
	SINGLE POLE TOGGLE SWITCH MOUNT 42" AFF. UNLESS NOTED OTHERWISE.	HUBBELL 122-TR WITH S1 COVER PLATE		ABOVE FINISHED CEILING	
	THREE WAY TOGGLE SWITCH MOUNT 42" AFF. UNLESS NOTED OTHERWISE.	HUBBELL 123-TR WITH S1 COVER PLATE		ABOVE FINISHED FLOOR - NOTE ALL MOUNTING DIMENSIONS GIVEN ARE TO THE BOTTOM OF THE OUTLET BOX	
	SINGLE POLE TOGGLE SWITCH FOR EQUIPMENT DISCONNECT MOUNT ADJACENT TO EQUIPMENT. FIELD VERIFY LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.	HUBBELL 122-TR WITH STEEL COVER PLATE		BELOW FINISHED FLOOR	
	WALL MOUNTED OCCUPANCY SENSOR SWITCH PASSIVE INFRARED MOUNT 42" AFF. UNLESS NOTED OTHERWISE. 800W/120VAC OR 1200W/277VAC	SENSORSWITCH WSX-TR S26 COVER PLATE		BELOW FINISHED GRADE	
	WALL MOUNTED 0-10V DIMMING SWITCH WITH OCCUPANCY SENSOR. DUAL TECHNOLOGIES. 1000W/120VAC OR 1200W/277VAC MOUNT 42" AFF. UNLESS NOTED OTHERWISE. PROVIDE SWITCHED WIRE AND 0-10V CONTROL WIRE TO FIXTURE AS REQUIRED.	SENSORSWITCH WSX-PDT-D-TR S26 COVER PLATE			
	CEILING MOUNTED OCCUPANCY SENSOR, DUAL TECHNOLOGIES. 800W/120VAC OR 1200W/277VAC, 28 FT. RADIIUS	SENSORSWITCH CMR-PDT-10			
	CEILING MOUNTED OCCUPANCY SENSOR, PASSIVE INFRARED LOW VOLTAGE. PROVIDE LOW VOLTAGE WIRING TO POWER PACK AS REQUIRED. 28 FT. RADIIUS	SENSORSWITCH CM-10			
	CEILING MOUNTED OCCUPANCY SENSOR, DUAL TECHNOLOGIES. LOW VOLTAGE. PROVIDE LOW VOLTAGE WIRING TO POWER PACK AS REQUIRED. 28 FT. RADIIUS	SENSORSWITCH CM-PDT-10			
	POWER PACK FOR LOW VOLTAGE OCCUPANCY SENSOR. 120/277VAC, 20A 1 POLE CONTACTOR.	SENSORSWITCH PP-20			
	DIMMING SWITCH WITH PRESET TO MATCH TYPE 'A', 'D' AND 'L' FIXTURES. 0-10V DIMMING. MOUNT 42" AFF. UNLESS NOTED OTHERWISE. PROVIDE SWITCHED WIRE AND 0-10V CONTROL WIRE TO FIXTURE AS REQUIRED.	SYNERGY SD-BC-120/277-TR NP-26 COVER PLATE			
	SPECIFICATION GRADE DUPLEX TAMPER RESISTANT RECEPTACLE. MOUNT 16" AFF. UNLESS OTHERWISE NOTED.	HUBBELL HEL5362-TR WITH S8 COVER PLATE			
	SPECIFICATION GRADE TAMPER RESISTANT GFCI RECEPTACLE MOUNT 16" AFF. UNLESS NOTED OTHERWISE.	HUBBELL GFTR120-TR WITH S26 COVER PLATE			
	SPECIFICATION GRADE TAMPER RESISTANT, WEATHER RESISTANT AND GFCI DUPLEX RECEPTACLE WITH IN-USE WEATHER PROOF COVER. MOUNT 16" AFF. UNLESS OTHERWISE NOTED.	HUBBELL GFTRW120-TR WITH WP26M COVER PLATE			
	SPECIFICATION GRADE DUPLEX RECEPTACLE FOR WATER COOLER. MOUNT 24" AFF. FOR CONCEALMENT OF CORD. FED FROM GFCI CIRCUIT BREAKER.	HUBBELL HEL5362 WITH S8 COVER PLATE			
	SPECIFICATION GRADE DUPLEX TAMPER RESISTANT RECEPTACLE. MOUNT 16" AFF. UNLESS OTHERWISE NOTED. FED FROM GFCI CIRCUIT BREAKER OR CONNECTED TO LOAD SIDE OF OTHER GFCI RECEPTACLE.	HUBBELL HEL5362-TR WITH S8 COVER PLATE			
	SPECIFICATION GRADE WEATHER RESISTANT DUPLEX RECEPTACLE WITH IN-USE WEATHER PROOF COVER FOR HOT BOX. PER NEC 407.22. SEE NOTE ON PLAN FOR INSTALLATION. FED FROM GROUND FAULT PROTECTION FOR EQUIPMENT BREAKER.	HUBBELL HEL5362-TR WITH WP26M COVER PLATE			
	SPECIFICATION GRADE QUAD TAMPER RESISTANT RECEPTACLE MOUNT 16" AFF. UNLESS OTHERWISE NOTED.	HUBBELL Q HEL5362-TR WITH S82 COVER PLATE			
	SPECIFICATION GRADE TAMPER RESISTANT GFCI RECEPTACLE. MOUNT 4" ABOVE COUNTER/BACKSLASH.	HUBBELL GFTR120-TR WITH S26 COVER PLATE			
	POWER RECEPTACLE WITH GROUND. 'XX' DESIGNATES TYPE OR RATING. FIELD VERIFY NUMBER OF POLE AND NEUTRAL MOUNT 16" AFF. UNLESS OTHERWISE NOTED.	HUBBELL TO MATCH EQUIPMENT STAINLESS COVER PLATE			

NOTE:
1. MANUFACTURERS AND PART NUMBERS SHOWN IN LEGEND ARE FOR GUIDELINE. EQUIVALENT PRODUCTS ARE ACCEPTABLE.

GENERAL NOTES

- THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR FLOOR PLAN DIMENSIONS. DO NOT SCALE THESE DRAWINGS.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE ANY AND ALL WORK WITH OTHER TRADES INVOLVED IN THE PROJECT, PRIOR TO THE INSTALLATION OF HIS EQUIPMENT SO AS TO AVOID CONFLICTS DURING CONSTRUCTION AND TO ALLOW FOR OPTIMUM MAINTENANCE AND WORKING SPACE.
- USE OF THE CONDUIT SYSTEM FOR EQUIPMENT GROUNDING SHALL NOT BE ACCEPTABLE. A SEPARATE GREEN GROUND WIRE SHALL BE RUN WITH THE CIRCUIT CONDUCTORS IN EACH CONDUIT.
- ALL BREAKER SIZES, SHOWN FOR MECHANICAL EQUIPMENT, SHALL BE VERIFIED BEFORE THE PURCHASE OR INSTALLATION OF SAID EQUIPMENT, WITH THE EQUIPMENT SUPPLIER AND THE MECHANICAL CONTRACTOR.
- ALL WORK AND MATERIAL SHALL BE PROVIDED IN ACCORDANCE WITH THE STATE, LOCAL AND NATIONAL CODES, ORDINANCES AND 2020 NATIONAL ELECTRICAL CODE (NFPA 70).
- EACH CONTRACTOR SHALL PROVIDE HIS OWN SUPPORT OF ALL DEVICES AND EQUIPMENT PROVIDED BY HIM AND SHALL SUPPORT SUCH EQUIPMENT PER APPROVED GOVERNING CODES OR PER APPROVAL OF THE ENGINEER. UNACCEPTABLE WORKMANSHIP OR MATERIALS SHALL BE REPLACED AT THE REQUEST OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- THE MOUNTING HEIGHTS AND LOCATIONS OF ALL WALL MOUNTED OUTLETS AND JUNCTION BOXES SHALL BE REVIEWED AND COORDINATED WITH THE ARCHITECT, PRIOR TO INSTALLATION FOR USE WITH THE ACTUAL EQUIPMENT, CASEWORK, AND MILLWORK TO BE FURNISHED.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY DISCONNECTS, SWITCHES, AND RECEPTACLES UNDER THE ELECTRICAL BID AND SHALL INCLUDE ALL NECESSARY CIRCUITS TO AND FINAL CONNECTIONS TO THE EQUIPMENT PROVIDED BY ALL SUPPLIERS. SEE DETAILS FOR CONNECTION TO EQUIPMENT PROVIDED BY MECHANICAL AND PLUMBING CONTRACTORS.
- PENETRATION:
 - WHERE ELECTRICAL EQUIPMENT PENETRATES RATED WALLS AND CEILINGS, EXTERIOR WALLS, THEY SHALL BE PROPERLY SEALED PER APPROVED UL METHODS.
 - WHERE ELECTRICAL EQUIPMENT PENETRATES EXTERIOR WALLS, THEY SHALL BE PROPERLY SEALED WITH METHODS APPROVED BY THE ENGINEER. SUBMIT DETAIL OF PROPOSED SEALING METHODS.
- ALL PERMITS AND INSPECTION FEES SHALL BE SECURED AND PAID BY THE ELECTRICAL CONTRACTOR.
- ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR.
- THE CONTRACTOR SHALL PROVIDE COMPLETE UPDATED TYPEWRITTEN PANEL SCHEDULES FOR ALL PANELBOARDS.
- AS BUILT DRAWINGS SHALL BE GIVEN TO THE OWNER AT THE COMPLETION OF THE PROJECT.
- THE CONTRACTOR SHALL VERIFY THE CEILING TYPES WITH THE GENERAL CONTRACTOR PRIOR TO THE PURCHASE OF ANY LIGHT FIXTURES SO THAT THE PROPER TRIM WILL BE PROVIDED FOR ALL FIXTURES. ANY DIFFERENCES WILL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
- ALL WIRE SIZES INDICATED ON THE PANEL SCHEDULES ARE BASED ON 75 DEGREE COPPER THIN-WALL WIRE. ALL WIRE TERMINALS AND EQUIPMENT SHALL BE LISTED AND APPROVED FOR 75°C. ONLY THIN-WALL WIRE SHALL BE INSTALLED IN WET AND EXTERIOR LOCATIONS.
- MINIMUM CONDUIT SIZE SHALL BE 1/2" AND MINIMUM WIRE SIZE SHALL BE #12 AWG.
- ARMORED CABLE (TYPE AC) AND METAL-CLAD CABLE (TYPE MC) ARE ACCEPTABLE WIRING METHODS SUBJECT TO THE FOLLOWING RESTRICTIONS:
 - SEE NEC 320 AND 330 FOR RESTRICTIONS.
 - PENETRATIONS OF RATED WALLS SHALL BE IN ACCORDANCE WITH APPROVED UL PENETRATION METHODS.
 - CABLE SHALL NOT BE USED FOR HOME RUN TO PANEL BOARD.
 - CABLE SHALL ONLY BE INSTALLED IN CONCEALED SPACE AND FURRED AREAS. MAX. LENGTH OF EACH SECTION IN ACCESSIBLE CONCEALED CEILING SPACES SHALL NOT EXCEED 10 FT.
 - WHERE REQUIRED BY NEC 571.3, CABLE SHALL BE LISTED FOR THE USE.
- THE MAXIMUM NUMBER OF HOMERUNS IN A CONDUIT SHALL NOT EXCEED THREE (3). FEEDING CIRCUITS WITH SHARED NEUTRAL SHALL BE SWITCHED TOGETHER.
- WHERE OUTLETS ARE SHOWN BACK TO BACK ON RATED WALLS, STAGGER OUTLETS SO THAT THEY ARE SEPARATED BY A MINIMUM OF 24".
- ALL DISCONNECTS SHALL HAVE SEPARATE NEUTRAL AND GROUND BARS.
- ALL PANELS SHALL BE SINGLE PHASE, THREE WIRE UNLESS OTHERWISE NOTED.
- BOXES AND CONDUITS SHALL NOT BE INSTALLED RECESSED IN A 3-HOUR OR HIGHER RATED WALL. WHEN OUTLETS ARE INDICATED ON THESE WALLS, FIELD COORDINATE CONDUIT AND BOX INSTALLATION.
- FOR ALL RECEPTACLES LOCATED ABOVE COUNTER TOP, MOUNTING HEIGHT SHALL COMPLY WITH ANSI A171, SECTION 308. E.C. SHALL FIELD VERIFY CASEWORK DETAIL WITH ARCHITECT PRIOR TO ROUGH-IN.
- ELECTRICAL IDENTIFICATION:
 - FURNISH AND INSTALL ENGRAVED LAMINATED PHENOLIC NAMEPLATES FOR ALL SAFETY SWITCHES, PANEL BOARDS, TRANSFORMERS, SWITCHBOARDS, MOTOR CONTROL CENTERS AND OTHER ELECTRICAL EQUIPMENT SUPPLIED FOR THE PROJECT FOR IDENTIFICATION.
 - FURNISH AND INSTALL SELF-ADHESIVE PLASTIC TAPE FOR ALL RECEPTACLE AND WALL SWITCH COVER PLATES INDICATING CIRCUIT NUMBERS.
- THE ELECTRICAL CONTRACTOR SHALL FIELD COORDINATE THE INSTALLATION OF THE NEW UNDERGROUND ELECTRICAL SERVICE WITH THE LOCAL UTILITY. THE OWNER SHALL PAY ALL CHARGES FOR THE INSTALLATION OF THE NEW UNDERGROUND UTILITY SERVICE.
- THE ELECTRICAL CONTRACTOR SHALL FIELD COORDINATE THE LOCATION OF COMMUNICATION SERVICE CONDUIT STUB OUTS WITH THE LOCAL COMMUNICATION SERVICE COMPANY PRIOR TO INSTALLING ANY CONDUITS.
- E.C. SHALL LOCATE EXISTING UNDER GROUND UTILITY PRIOR TO EXCAVATING.

2018 NORTH CAROLINA ENERGY CODE

LAMP TYPE REQUIRED ¹	ELECTRICAL SYSTEM AND EQUIPMENT METHOD OF COMPLIANCE ¹ - PRESCRIPTIVE LIGHTING SCHEDULE ¹			
	FLUORESCENT T8/T5	LED	OFL	NCAN
NUMBER OF LAMPS ¹	N/A	SEE	N/A	N/A
BALLAST TYPE USED ¹	N/A	FIXTURE	N/A	N/A
NUMBER OF BALLASTS ¹	N/A	SCHEDULE	N/A	N/A
TOTAL WATTAGE PER FIXTURE ¹	N/A		N/A	N/A

	SPECIFIED	ALLOWED BY CODE
INTERIOR WATTAGE		
LOBBY		549
CORRIDOR		488
OFFICE		522
TOILETS		490
ELEC/MECH		76
STORAGE		384
EXAM ROOM		830
MULTI PURPOSE		554
EXERCISE		1080
FOOD PREP		484
DINING		683
TOTAL	4786	5525 **
EXTERIOR WATTAGE	ZONE 3	
BLDG. ALLOWANCE	351	750

NOTES:

- ** PER SECTION C406.3, THE WHOLE AREA ALLOWED BY CODE IS REQUIRED TO BE 10% LOWER THAN THOSE CALCULATED PER SECTION C405.4.2.
 - VALUE CALCULATE PER SECTION C405.4.2: 639 WATTS
 - VALUE PER SECTION C406.3: 5525 WATTS
- ALL EXTERIOR LIGHTS:
 - CONTROLLED BY PHOTOCELL THAT WILL NOT INTENDED TO BE ON FOR 24 HOUR OPERATION.

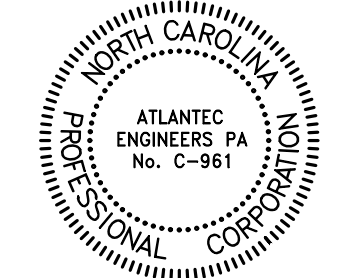
DESIGNER STATEMENT:
TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE DESIGN OF THIS BUILDING COMPLIES WITH THE ELECTRICAL SYSTEM AND EQUIPMENT REQUIREMENTS OF THE NORTH CAROLINA STATE BUILDING CODE, 2018 - ENERGY.

SIGNED:
NAME: SUN PRAMOJANEY, PE
TITLE: ENGINEER

OAKLEY COLLIER ARCHITECTS
OCA ARCHITECTS

ATLANTEC ENGINEERS, PA
322 BLUE RIDGE ROAD, SUITE 103
RALEIGH, NC 27612
(919) 571-1111

NEW CONSTRUCTION FOR:
NORTH GRANVILLE COUNTY SENIOR CENTER
GRANVILLE COUNTY
303 OXFORD ST., STOVALL, NC 27582



GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions	
Date	Project No.
FEB 2, 2024	22042
Drawn By	Sheet No.
SP	E3.1
Checked By	
SP	
Sheet Title	
LEGEND NOTES	