

NEW EMA CENTER FOR

RUSSELL COUNTY, ALABAMA

5TH STREET SOUTH, PHENIX CITY AL 36869

RUSSELL COUNTY COMMISSION



OWNER RUSSELL COUNTY COMMISSION
1000 BROAD STREET
PHENIX CITY, ALABAMA 36867

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2447 ALTON ROAD, SUITE 101
BIRMINGHAM, ALABAMA 35210

STRUCTURAL LBYD, INC.
880 MONTCLAIR ROAD SUITE 600
BIRMINGHAM, ALABAMA 35213

MECHANICAL / PLUMBING PINNACLE ENGINEERING, INC.
2031 SHADES CREST DRIVE
BIRMINGHAM, ALABAMA 35216

ELECTRICAL STEWART ENGINEERING, INC.
P.O. BOX 2233
ANNISTON, ALABAMA 36202

DRAWING INDEX (SET - 70 TOTAL SHEETS)

GENERAL

(4 SHEETS)

- T1 - TITLE AND INDEX
- LS1.1 - LIFE SAFETY PLAN
- SH1.1 - SHELTER PLAN
- SH1.2 - SHELTER SIGNAGE

CIVIL DRAWINGS

(9 SHEETS)

- C0.1 - GENERAL NOTES
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- C1.0 - SITE LAYOUT PLAN
- C2.0 - GRADING AND DRAINAGE PLAN
- C2.1 - STORM PROFILES
- C3.0 - SITE UTILITY PLAN
- C4.0 - EROSION CONTROL PLAN
- C4.1 - EROSION CONTROL DETAILS
- C5.0 - CONSTRUCTION DETAILS

ARCHITECTURAL DRAWINGS

(24 SHEETS)

- A1.0 - ARCHITECTURAL SITE PLAN
- A2.1 - OVERALL FLOOR PLAN
- A2.2 - ROOF PLAN & DETAILS
- A2.3.1 - TYPICAL ROOF DETAILS
- A2.3.2 - TYPICAL ROOF DETAILS
- A2.4 - DOOR AND WINDOW SCHEDULES
- A2.5 - PLAN DETAILS
- A3.1 - EXTERIOR ELEVATIONS
- A3.2.1 - BUILDING SECTIONS
- A3.2.2 - BUILDING SECTIONS
- A3.3.1 - WALL SECTIONS
- A3.3.2 - WALL SECTIONS
- A5.1 - ENLARGED TOILET PLANS AND ELEVATIONS
- A5.2 - INTERIOR ELEVATIONS AND ADA DETAILS
- A6.1 - CASEWORK PLAN AND DETAIL
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- A6.5 - DETAILS
- A7.1 - REFLECTED CEILING PLAN AND CEILING DETAILS
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- A8.1 - FINISH FLOOR PLAN AND PARTIAL ENLARGED PLAN
- A8.2 - FINISH SCHEDULE AND TRANSITION DETAILS
- A9.1 - SIGNAGE PLAN

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(16 SHEETS)

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- S1.2 - GENERAL NOTES
- S1.3 - GENERAL NOTES
- S1.4 - GENERAL NOTES
- S1.5 - SPECIAL INSPECTIONS
- S1.6 - SPECIAL INSPECTIONS
- S1.7 - TYPICAL DETAILS
- S1.8 - TYPICAL DETAILS
- S1.9 - TYPICAL DETAILS
- S1.10 - TYPICAL DETAILS
- S2.1 - FOUNDATION PLAN
- S2.2 - ROOF FRAMING PLAN
- S3.1 - SECTIONS
- S3.2 - SECTIONS
- S3.3 - SECTIONS
- S3.4 - SECTIONS

PLUMBING DRAWINGS

(6 SHEETS)

- P0.1 - PLUMBING LEGENDS, ABBREVIATIONS, SCHEDULES AND DETAILS
- P0.2 - PLUMBING LEGENDS, ABBREVIATIONS, SCHEDULES AND DETAILS
- P1.1 - PLUMBING GRAVITY FLOOR PLAN
- P1.2 - PLUMBING PRESSURE FLOOR PLAN
- P2.1 - PLUMBING ROOF PLAN
- P3.1 - PLUMBING RISERS

MECHANICAL DRAWINGS

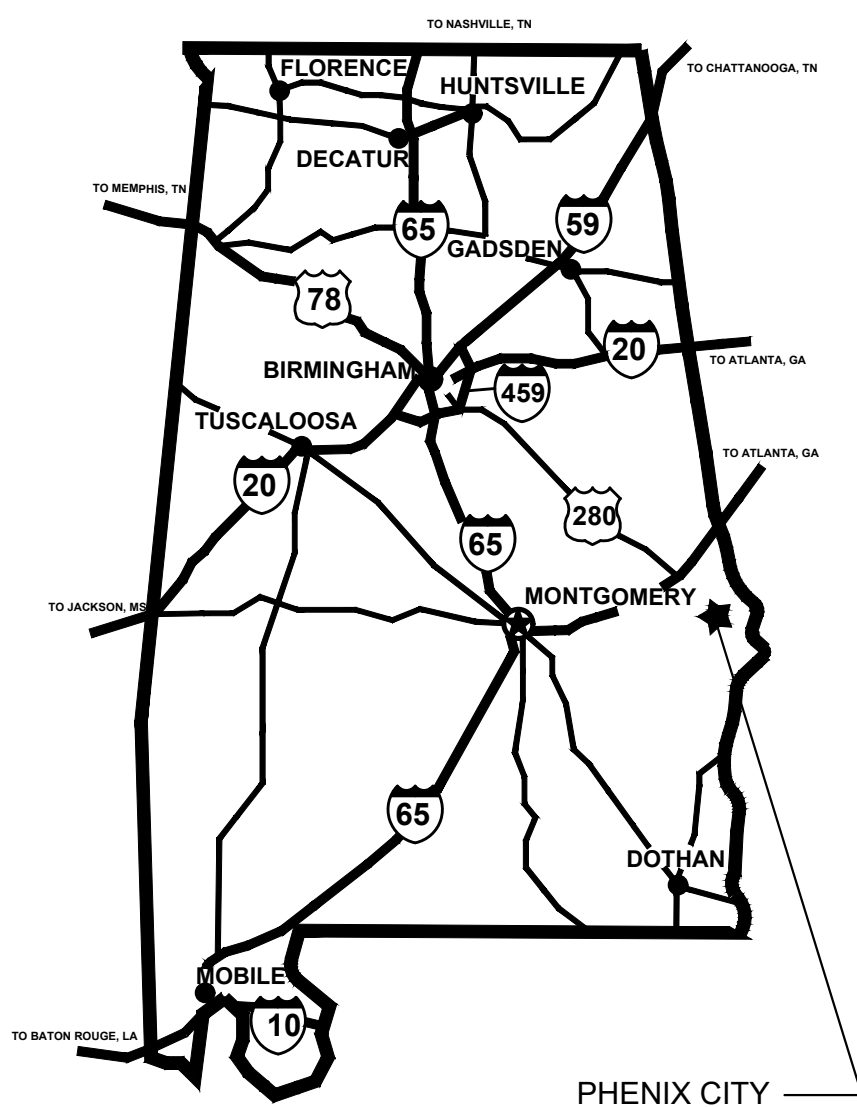
(6 SHEETS)

- M0.1 - MECHANICAL LEGENDS, ABBREVIATIONS, SCHEDULES AND DETAILS
- M0.2 - MECHANICAL DETAILS
- M0.3 - MECHANICAL DETAILS
- M0.4 - MECHANICAL DETAILS
- M1.1 - MECHANICAL FLOOR PLAN
- M1.2 - MECHANICAL PIPING PLAN

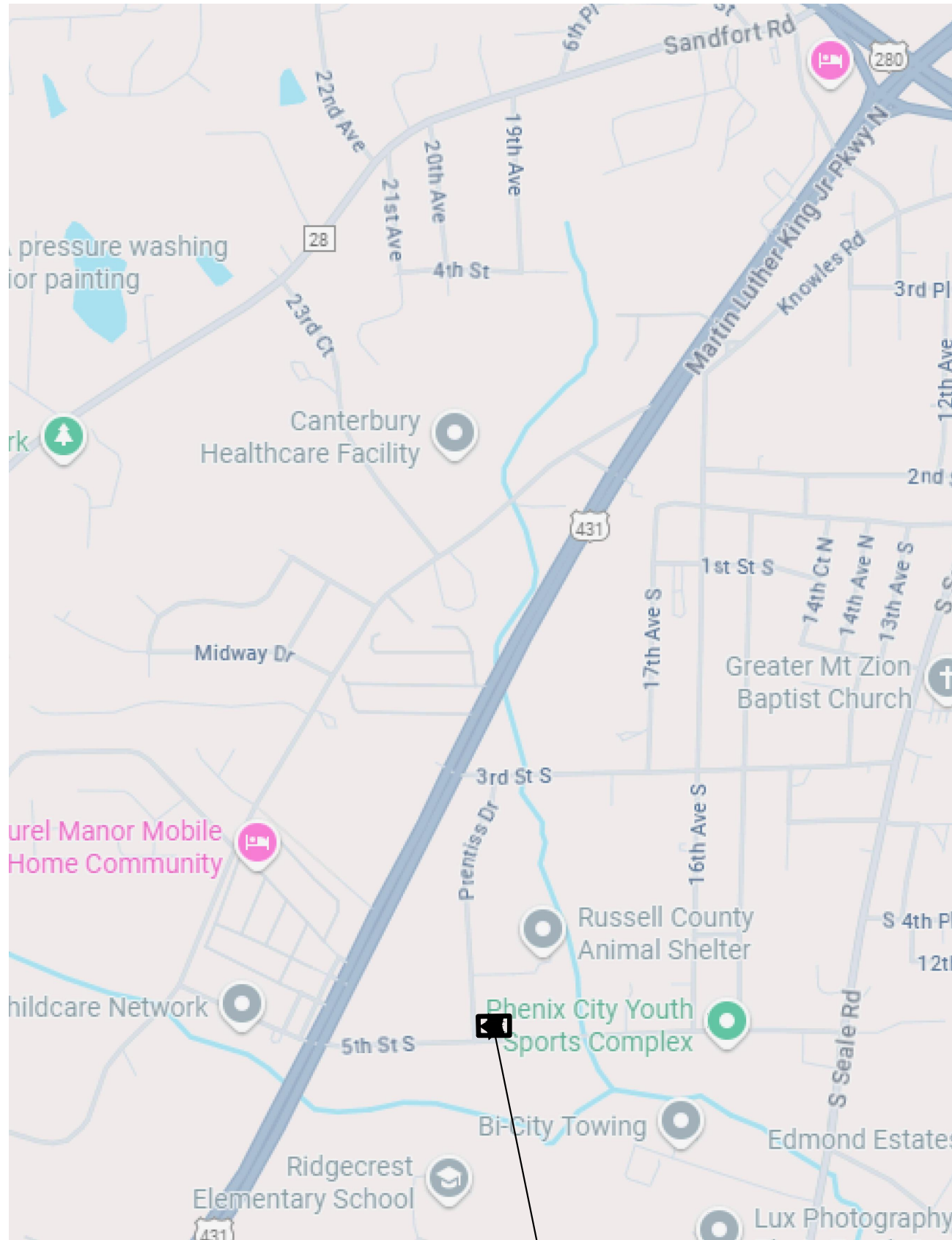
ELECTRICAL DRAWINGS

(5 SHEETS)

- E1.1 - SCHEDULES, SYMBOLS AND NOTES
- E2.1 - SITE PLAN AND SINGLE LINE DIAGRAM
- E3.1 - FLOOR PLAN - LIGHTING
- E4.1 - FLOOR PLAN - POWER
- E5.1 - FLOOR PLAN AUXILIARIES



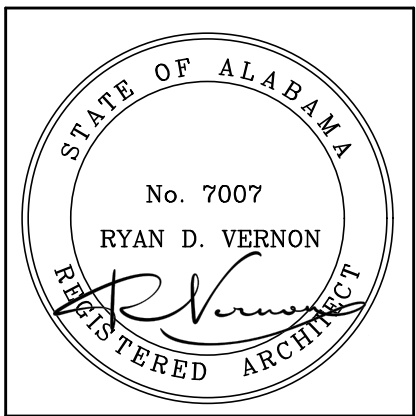
AREA MAP
STATE OF ALABAMA



VICINITY MAP
PHENIX CITY, ALABAMA

NEW EMA CENTER FOR
RUSSELL COUNTY, ALABAMA
5TH STREET SOUTH, PHENIX CITY AL 36869
RUSSELL COUNTY COMMISSION

SHEET TITLE:
TITLE AND INDEX



PROJ. MGR.: R. VERNON

DRAWN: -

DATE: 10-24-2025

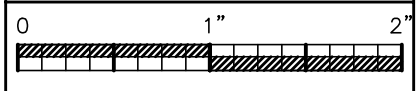
REVISIONS

JOB NO. 25-13

SHEET NO:

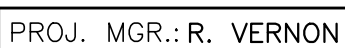
T1

1 OF 4





SHEET TITLE:
LIFE SAFETY PLAN



DRAWN: HDR

DATE: 10-24-2025

REVISIONS

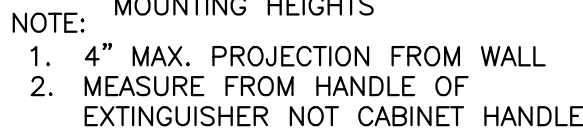
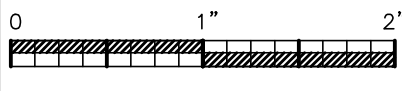
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JOB NO. 25-13

SHEET NO

LS1.1

2 OF 4

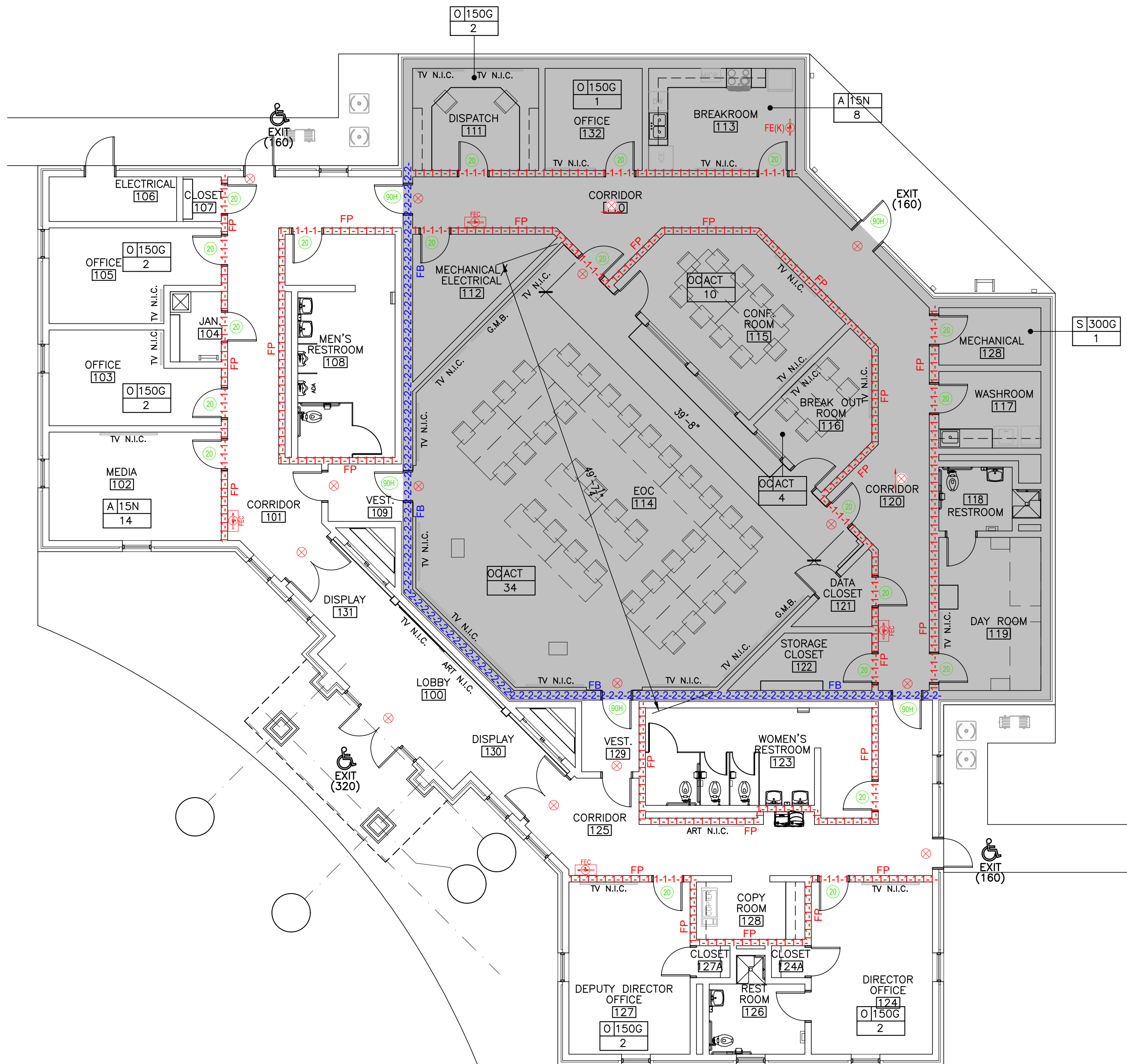


NOTE:

1. 4" MAX. PROJECTION FROM WALL
2. MEASURE FROM HANDLE OF EXTINGUISHER NOT CABINET HANDLE

2 MOUNTING HEIGHTS

SCALE: $3/8" = 1'-0"$



2021 IBC BUILDING DATA				
OCCUPANCY CLASSIFICATION:		MIXED GROUP B		
TYPE OF CONSTRUCTION:		TYPE IIB (NS)		
BUILDING AREA:		7,000 S.F.		
TABLE 504.4 ALLOWABLE NUMBER OF STORIES: GROUP A3		ALLOWABLE STORIES: 2	ACTUAL STORIES: 1	
TABLE 506.2 ALLOWABLE AREA: GROUP A3		AREA FACTOR: NS	9,500 S.F.	
TABLE 601 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS: OCCUPANCY - GROUP A3		CONSTRUCTION TYPE: IIB		
		STRUCTURAL FRAME: 0		
		BEARING WALLS:		
			EXTERIOR: 0	
			INTERIOR: 0	
		NONBEARING WALLS:		
			EXTERIOR: SEE 705.5	
			INTERIOR: 0	
		FLOOR CONSTRUCTION:		0
		ROOF CONSTRUCTION:		0
TABLE 705.5 FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS:		OCCUPANCY: GROUP B		
		SEPARATION DISTANCE:	< 5'	1
			≥ 5' < 10'	1
			≥ 10' < 30'	0
			≥ 30'	0
TABLE 1020.2 CORRIDOR FIRE-RESISTANCE RATING PARTITIONS AND OPENING PROTECTIVES		GROUP B UNSPRINKLERED	1	

WALL TYPE LEGEND

1-1-1-1-1-1-1-1-1-1-1-1-1-1-1- 1 HR WALL
2-2-2-2-2-2-2-2-2-2-2-2-2-2-2- 2 HR WALL
4-4-4-4-4-4-4-4-4-4-4-4-4-4-4- 4 HR WALL

LIFE SAFETY NOTES

 FIRE EXTINGUISHER AND CABINET (PROVIDE FIRE RATED CABINETS IN RATED WALLS.)	
 FIRE EXTINGUISHER	 — ACCESSIBLE  — EXIT  (320) — EXIT CAPACITY
 K-TYPE FIRE EXTINGUISHER	
 EXIT SIGN  DIRECTION	
EXTEND AND KEY ALL RATED WALLS TO SHAFT WALL SYSTEM, AND/OR BOTTOM OF ROOF ASSEMBLY	
STENCIL LABEL ALL RATED WALLS & DRAFT STOPS ABOVE CEILING EACH SIDE @ 20" O.C. MAX.	
ALL RATED DOORS AND FRAMES TO BE LABELED WITH EMBOSSED LABELS INDICATING RATING IN MINUTES	
HE - HORIZONTAL EXIT	XHE - EXISTING HORIZONTAL EXIT
FB - FIRE BARRIER	XFB - EXISTING FIRE BARRIER
FP - FIRE PARTITION	XFP - EXISTING FIRE PARTITION
FW - FIRE WALL	XFW - EXISTING FIRE WALL

200' ————— DISTANCE

————— START

EGRESS TRAVEL DISTANCE

————— PATH

————— DIRECTION

FUNCTION — S | 300G — LOAD FACTOR:
OCCUPANT LOAD — 35 — N = NET
G = GROSS

O - OFFICE
S - STORAGE
A - ASSEMBLY
OC - CONCENT

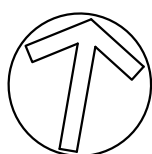
LOCATION OF TORNADO STORM SHELTER

DOOR/WINDOW RATING LEGEND

20 20 MINUTE DOOR AND FRAME

CHAPTER 29 - PLUMBING SYSTEMS

OCCUPANCY		WATERCLOSETS				LAVATORIES				DRINKING FOUNTAINS		SERVICE SINKS
USE	LOAD	RATIO	MALE	RATIO	FEMALE	RATIO	MALE	RATIO	FEMALE	RATIO	ALL	ALL
B	83	1/25 FIRST 50 1/30 REMAINDER EXCEEDING 50.	1.66	1/25 FIRST 50 1/30 REMAINDER EXCEEDING 50.	1.66	1/40 FIRST 80 1/60 EXCEED 80.	1.04	1/40 FIRST 80 1/60 EXCEED 80.	1.04	1/100	.83	
REQUIRED TOTALS			1.66		1.66		1.04		1.04		.83	1
PROVIDED TOTALS			4		4		3		3		2	1

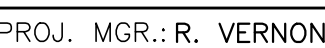


1 LIFE SAFETY PLAN

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



SHEET TITLE:
SHELTER PLAN



DRAWN: HDR

DATE: 10-24-2025

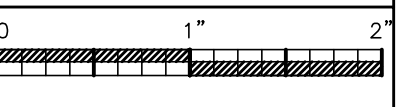
REVISIONS

JOB NO. 25-13

SHEET NO:

SH1.1

OF 4



FIRE RATED WALLS INDICATED ON THIS SHEET ARE TORNADO STORM SHELTER WALLS ONLY. SEE LIFE SAFETY PLANS ON SHEET LS1.1 FOR ALL OTHER REQUIRED FIRE RATED WALLS.

1. ALL PENETRATIONS 2" OR GREATER MUST BE PROTECTED WITH A STORM SHELTER BAFFLE OR STORM SHELTER LOUVER SYSTEM. SEE ENGINEER FOR CONDITIONS AND DETAILS.
2. PROVIDE A COLD JOINT AT ALL AREAS WHERE STORM SHELTER SLAB MEETS THE NORMAL SLAB CONDITION, SEE DETAIL.
3. ALL SIGNS SHALL BE IN ACCORDANCE WITH 2010 ADA STANDARD. VERIFY EXACT PLACEMENT WITH ARCHITECT PRIOR TO INSTALLATION.
4. ALL TORNADO RESISTANT DOOR, FRAMES, AND WINDOWS SHALL RECEIVE BOTH FEMA 361/ICC-500 2020 LABEL AND THE 90 MINUTE FIRE LABEL.

LOCATION	DOOR TYPE	TRAVEL DISTANCE
		 200' ————— DISTANCE START — < — < — < — PATH DIRECTION
2 HR FIRE BARRIER	<u>2-2-2-2-2-2-2-2-2-2-2-2-2-2-</u>	
FIRE EXT. & CAB.		

SYMBOL	DESCRIPTION
A	SECTION 508 STORM SHELTER PLAQUE WALL MOUNTED PER ADA 703 (3/SH1.2)
B	SECTION 508 STORM SHELTER SIGN WALL MOUNTED PER ADA 703 (4/SH1.2)
C	SECTION 508 STORM SHELTER LOCATION SIGN WALL MOUNTED PER ADA 703 (5/SH1.2)
D	SIGN "D" OPEN DURING SHELTER (6/SH1.2)
E	SIGN "E" LEAVING SHELTER SIGN (7/SH1.2)
F	SIGN "F" FAN SWITCH SIGN (8/SH1.2)
G	SIGN "G" CLOSE DURING SHELTER EVENT SIGN (9/SH1.2)
H	SIGN "H" DO NOT OPEN DURING SHELTER EVENT SIGN (10/SH1.2)
	FIRST AID KIT

NOTE: FINAL PLACEMENT OF ALL SIGNS SHALL BE COORDINATED WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION.

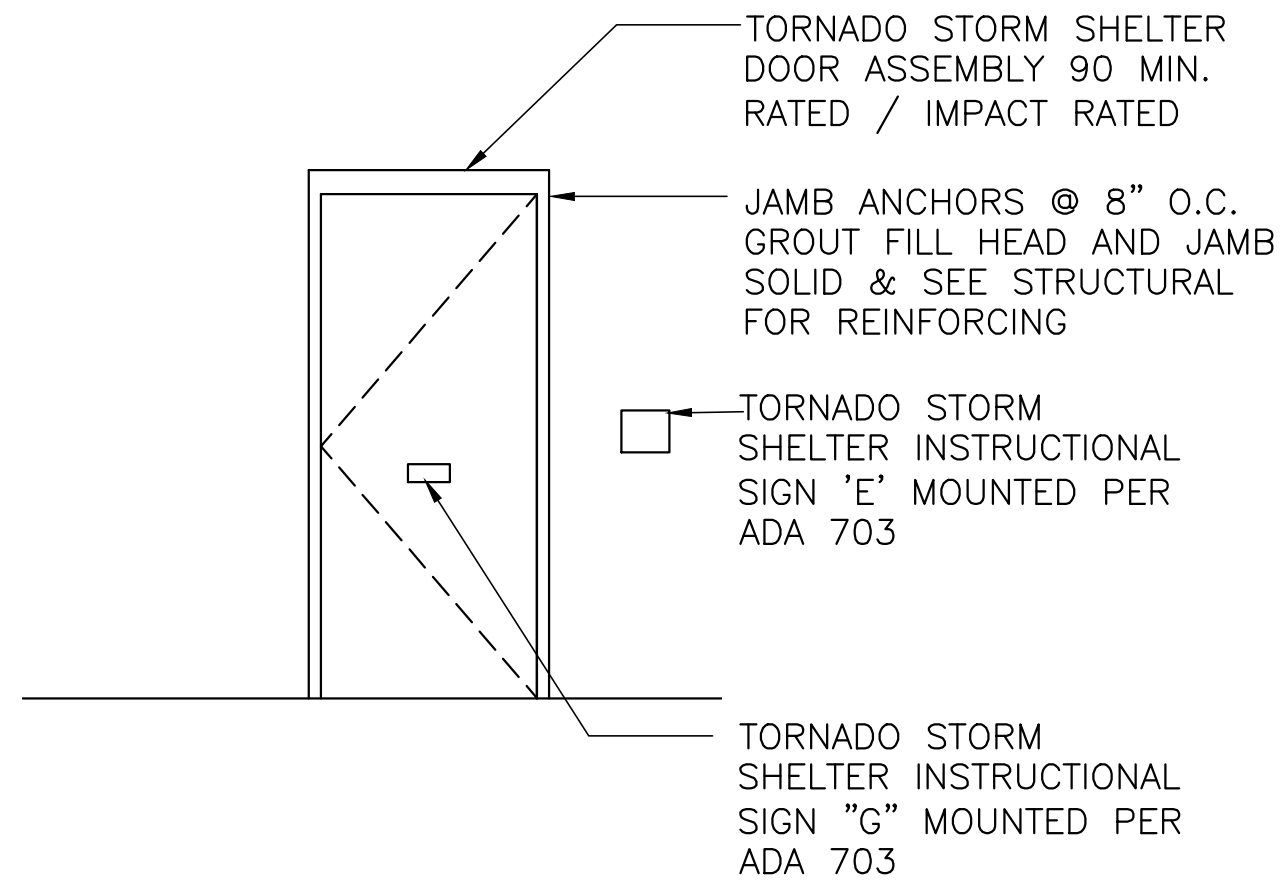
REQUIRED SANITATION FACILITIES COMMUNITY TORNADO STORM SHELTER > 50: CAPACITY OF SHELTER IS 418 PERSONS		
REQUIRED TOILET FACILITIES		2
PROVIDED TOILET FACILITIES		2
REQUIRED LAVATORIES		1
PROVIDED LAVATORIES		1

COMBINED OCCUPANCY OF BUILDING: 169 PERSONS
REQUIRED USEABLE SHELTER FLOOR AREA: $168(5) = 840 \text{ S.F.} + 10 \text{ S.F. (1- WHEELCHAIR)} = 850 \text{ S.F.}$

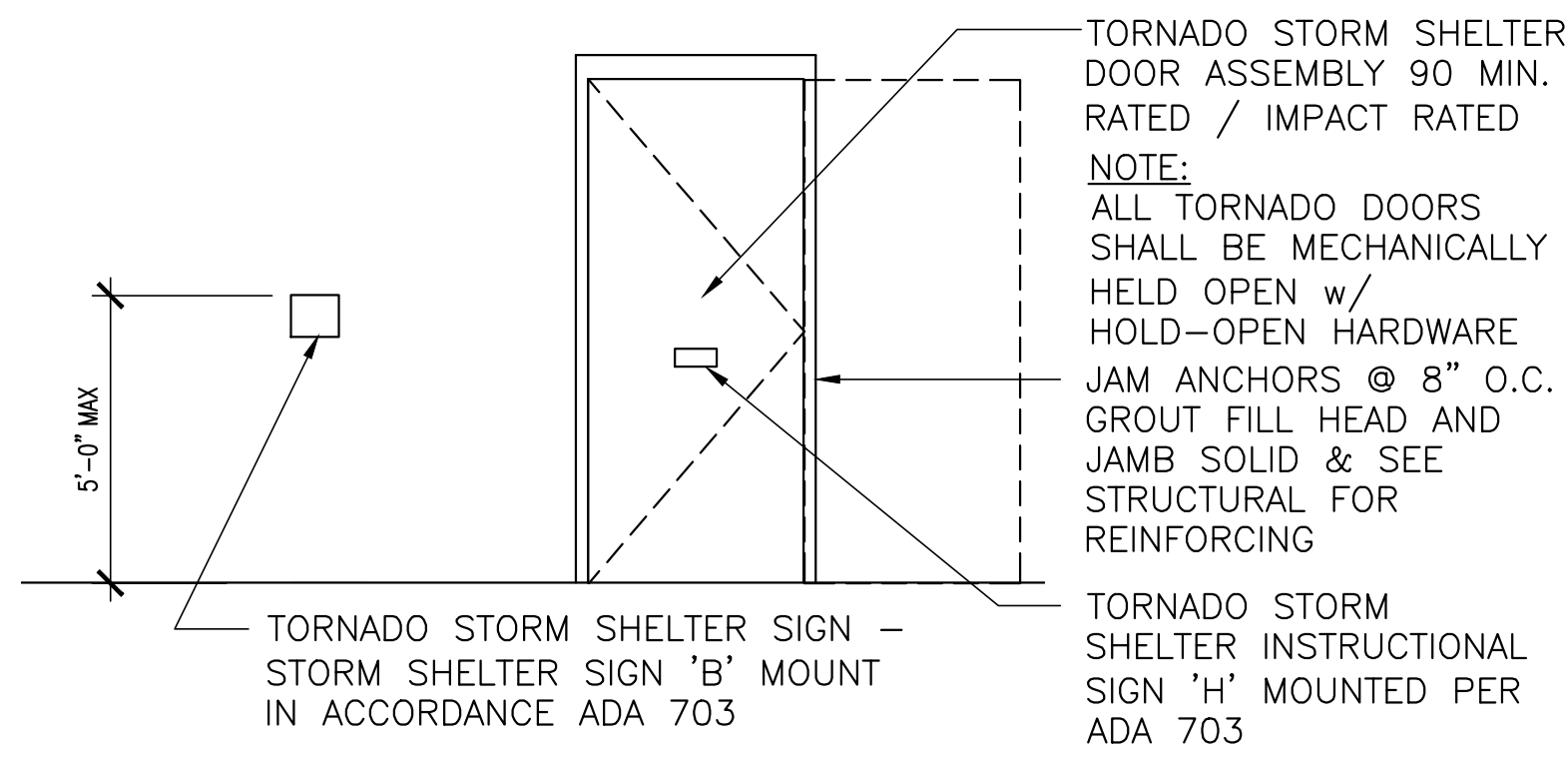
COMBINED OCCUPANCY OF BUILDING: REQUIRED USEABLE SHELTER FLOOR AREA:	169 PERSONS 168(5) = 840 S.F. + 10 S.F. (1- WHEELCHAIR) = 850 S.F.
USEABLE SHELTER FLOOR AREA PROVIDED IN SHELTER:	GROSS AREA - 35%: 2,134.71 S.F. -35% = 1,387.56 S.F. GROSS AREA - 50%: 249.03 - 50% = 124.5 S.F. CLEAR SPACE (100% USEABLE) = 590.23 S.F.
	TOTAL USEABLE PROVIDED = 2,102.29 S.F.
ACTUAL CAPACITY OF STORM SHELTER:	418 ÷ 416(5) + 2 WHEELCHAIRS (20) = 2,100 S.F.



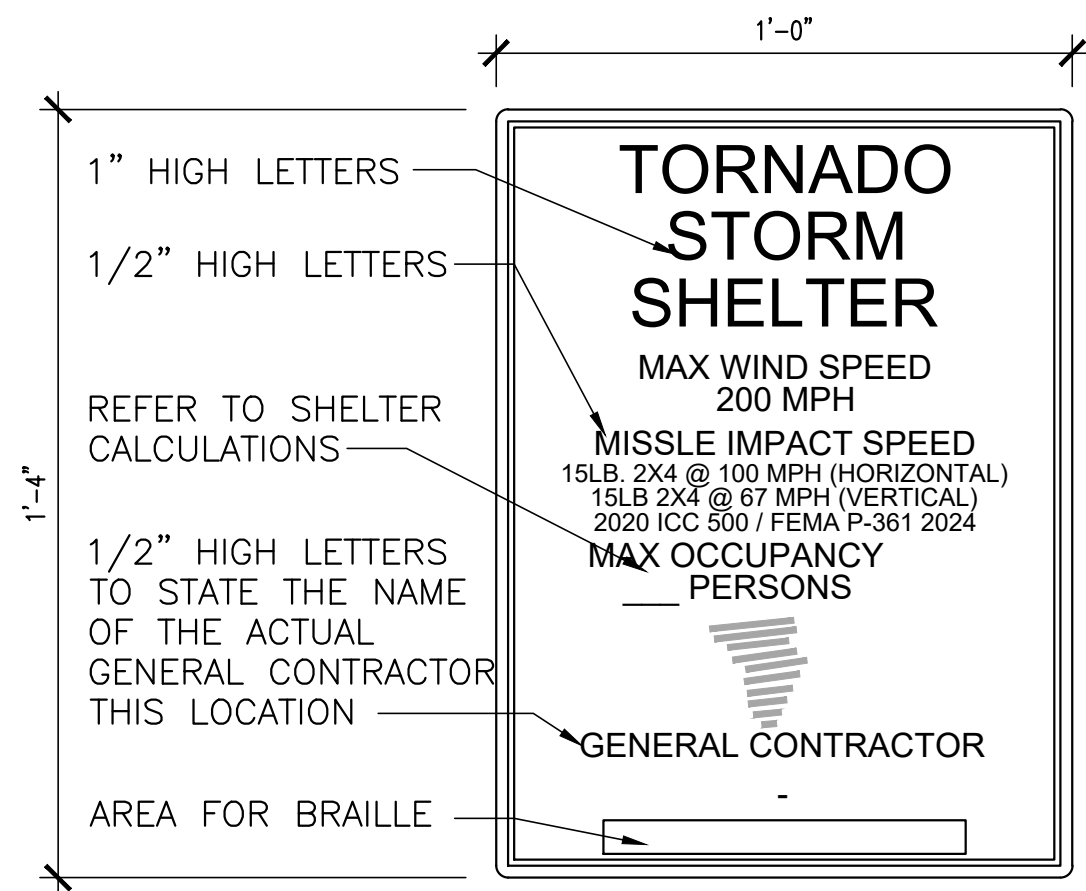
SCALE: $1/8" = 1'-0"$



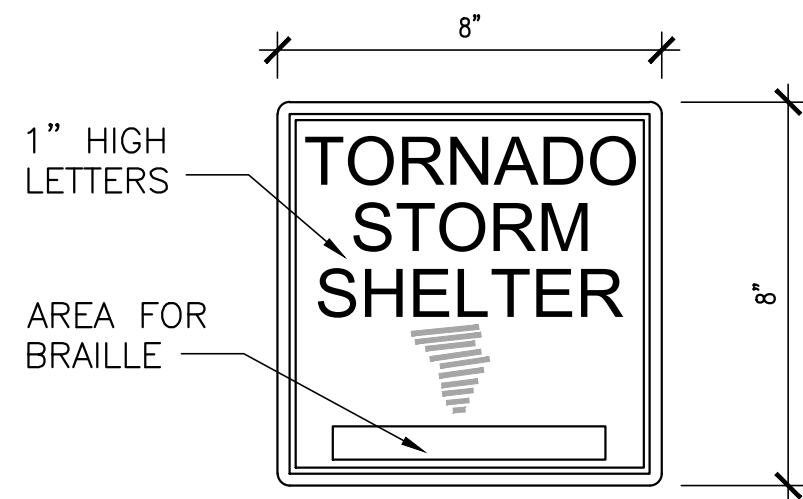
1 TORNADO DOOR ELEVATION
SCALE: 3/8" = 1'-0" INDICATED IN CLOSED POSITION
INSIDE SHELTER



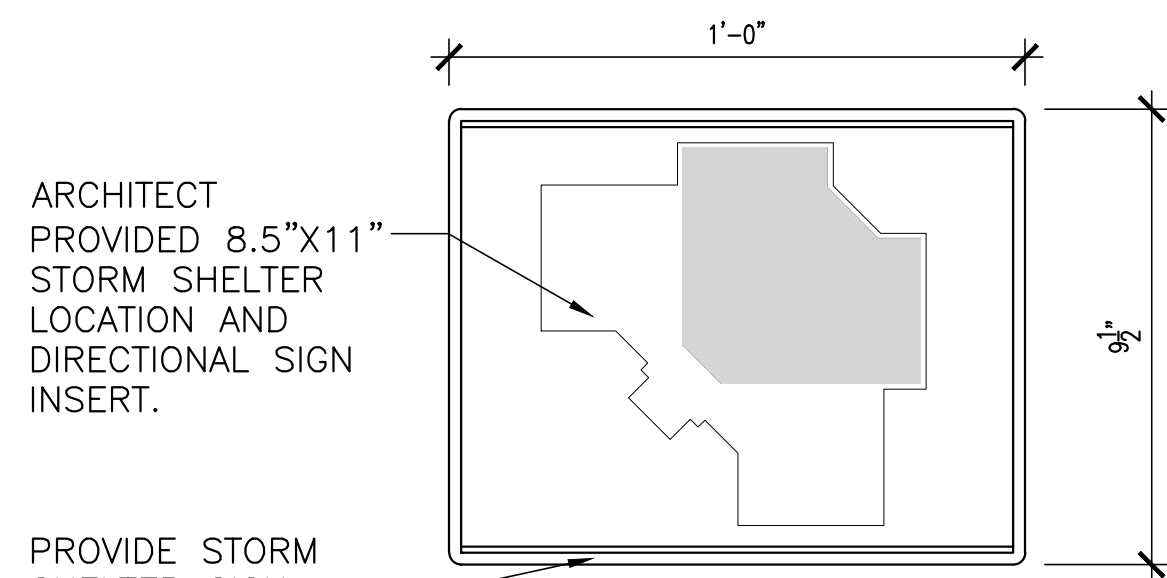
2 TORNADO DOOR ELEVATION
SCALE: 3/8" = 1'-0" INDICATED IN CLOSED POSITION
OUTSIDE SHELTER



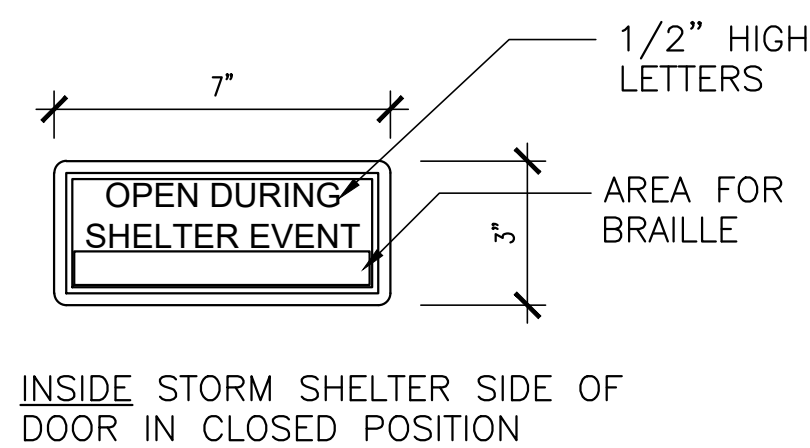
3 TORNADO STORM SHELTER PLAQUE- A
SCALE: 3" = 1'-0"



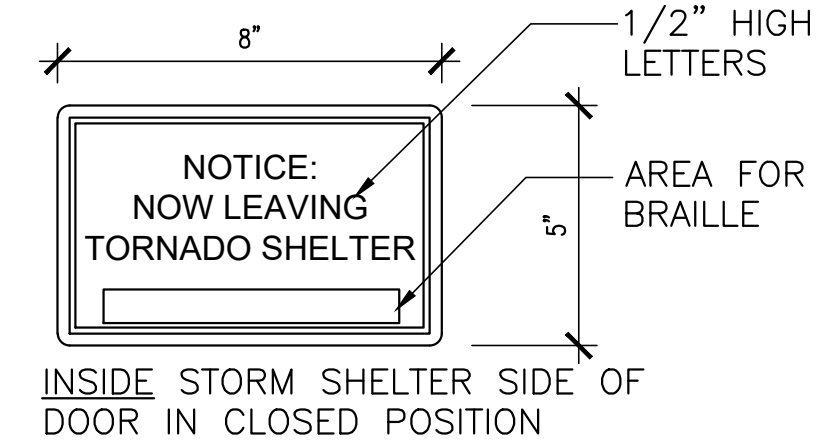
4 TORNADO STORM SHELTER SIGN - B
SCALE: 3" = 1'-0"



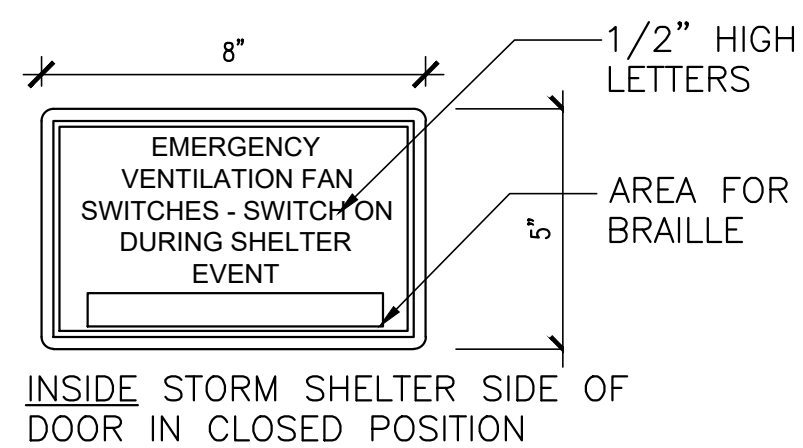
5 TORNADO STORM SHELTER LOCATION SIGN FRAME - C
SCALE: 3" = 1'-0"



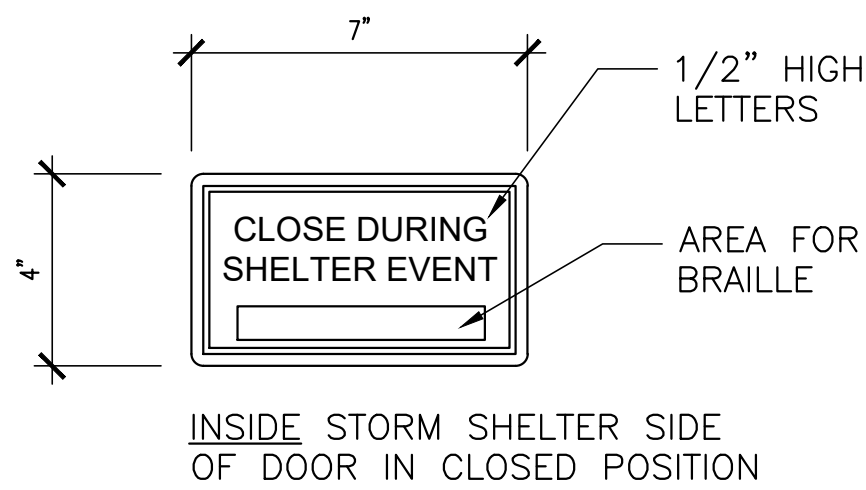
6 TORNADO STORM SHELTER INSTRUCTIONAL SIGN -D
SCALE: 3" = 1'-0"



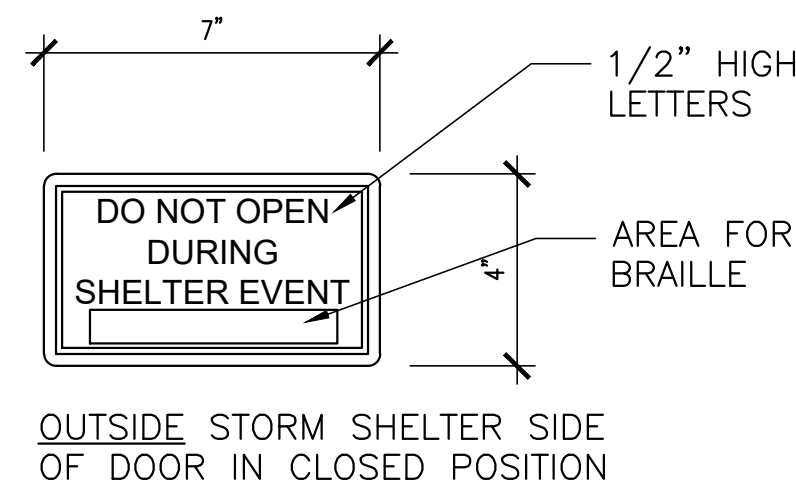
7 TORNADO STORM SHELTER INSTRUCTIONAL SIGN -E
SCALE: 3" = 1'-0"



8 TORNADO STORM SHELTER INSTRUCTIONAL SIGN -F
SCALE: 3" = 1'-0"

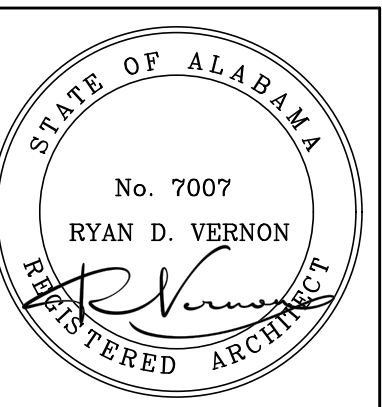


9 TORNADO STORM SHELTER INSTRUCTIONAL SIGN - G
SCALE: 3" = 1'-0"



10 TORNADO STORM SHELTER INSTRUCTIONAL SIGN - H
SCALE: 3" = 1'-0"

SHEET TITLE:
SHELTER SIGNAGE



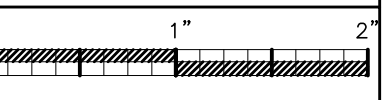
PROJ. MGR.: R. VERNON
DRAWN: HDR
DATE: 10-24-2025
REVISIONS

JOB NO. 25-13

SHEET NO:

SH1.2

4 OF 4



GENERAL NOTES:

- BOUNDARY AND TOPOGRAPHIC SURVEY WAS PROVIDED BY THE OWNER AND PREPARED BY BSI ENGINEERING SURVEYING, DATED 08/18/2025. TOPOGRAPHIC INFORMATION WAS PERFORMED VIA GROUND RUN FORMAT. CONTRACTOR SHOULD VISIT THE SITE AS NECESSARY TO VERIFY SITE BOUNDARY AND EXISTING TOPOGRAPHY PRIOR TO BIDDING OR CONSTRUCTION. NOTIFY KADRE ENGINEERING OF ANY DISCREPANCIES PRIOR TO SUBMITTING BIDS OR ORDERING OF MATERIALS.
- THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION SITE LAYOUT. IN THE EVENT THE CONTRACTOR WILL PERFORM THEIR OWN LAYOUT AND/OR UTILIZE GPS GRADING CONTROLS, THE CONTRACTOR WILL BE RESPONSIBLE FOR HIRING A LICENSED SURVEYOR TO PROVIDE THE NECESSARY CONTROL POINTS AND PROVIDE 3RD/ PARTY VERIFICATION OF LAYOUT AND GRADE CONTROL WORK PERFORMED BY THE CONTRACTOR.
- ALL NECESSARY PERMITS AND APPROVALS FROM AGENCIES GOVERNING THE CONSTRUCTION OF THIS WORK WILL BE SECURED PRIOR TO BEGINNING CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE ALL FEES ARE PAID PRIOR TO COMMENCING CONSTRUCTION AND THE CONSTRUCTION INSPECTION SCHEDULED IS ADHERED TO PER AGENCY REQUIREMENTS.
- ALL WORK PERFORMED MUST COMPLY WITH THE REGULATIONS AND ORDINANCES OF THE VARIOUS GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE WORK, INCLUDING LANDSCAPING.
- THE CONTRACTOR MUST USE EACH PLAN IN CONJUNCTION WITH THE ENTIRE SET OF DRAWINGS AND JOB SPECIFICATIONS. DO NOT REMOVE OR DEMOLISH ANYTHING WITHOUT VERIFYING AND COORDINATION WITH ALL ELECTRICAL, PLUMBING, MECHANICAL, GENERAL TRADES, AND UTILITY COMPANIES AS THEY EFFECT THE OVERALL PROJECT.
- PRIOR TO ANY WORK ON-SITE, THE CONTRACTOR MUST CONTACT THE ONE CALL SYSTEM. THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY REMOVALS WHETHER LOCATED BY THE ONE CALL SYSTEM OR NOT.
- THE CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ANY DAMAGE TO ANY EXISTING IMPROVEMENTS DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB, ETC. ALL REPAIRS MUST BE MADE IN A MANNER THAT ENSURES THE REPAIRED ITEM TO BE BE EQUAL TO OR BETTER THAN THE ORIGINAL CONDITION.
- ALL WORK MUST BE DONE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AND MUST COMPLY WITH ALL REGULATORY AGENCY'S REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
- THE CONTRACTOR MUST REVIEW SOIL REPORTS AND BORINGS PRIOR TO BIDDING THE PROJECT AND COMMENCING CONSTRUCTION.
- EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND ADDITIONAL UTILITIES MAY EXIST WITHIN OR ADJACENT TO THE LIMITS OF CONSTRUCTION. ALL UTILITIES MUST BE LOCATED BY UNDERGROUND LINE LOCATORS AS WELL AS FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION COMMENCEMENT. REPORT DISCREPANCIES IMMEDIATELY.
- WORK PERFORMED UNDER THIS CONTRACT MUST BE COORDINATED WITH OTHER WORK BEING PERFORMED OR SCHEDULED ON SITE BY OTHER CONTRACTORS AND UTILITY COMPANIES. IT IS NECESSARY FOR THE CONTRACTOR TO COORDINATE AND SCHEDULE ACTIVITIES, WHERE NECESSARY, WITH OTHER CONTRACTOR'S AND UTILITY COMPANIES.

SITE DEMOLITION NOTES:

- THE CONTRACTOR IS RESPONSIBLE FOR ALL REGISTRATIONS, NOTIFICATIONS, PERMITS, FEES, DUMP FEES AND CHAIN OF CUSTODY TRACKING REQUIRED TO REMOVE AND LEGALLY DISPOSE OF ALL DEMOLITION MATERIALS OFF OF THE OWNER'S PROPERTY.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING PERMITS AND COMPLYING WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS IN THE REMOVAL/DEMOLITION/DISPOSAL OF ALL DEMOLITION MATERIALS.
- THE CONTRACTOR IS RESPONSIBLE FOR VISITING THE PROJECT SITE AND VERIFYING EXTENTS AND ASSOCIATED QUANTITIES OF REQUIRED DEMOLITION WORK AND UTILITY REMOVAL PRIOR TO BID DATE.
- SALVAGE RIGHTS FOR ALL DEMOLISHED MATERIALS MUST BE FIRST GIVEN TO THE OWNER. ANY MATERIALS NOT RETAINED BY THE OWNER MUST BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
- ALL EXISTING PAVING, CURBS, HARDSCAPE, ETC. MUST BE SAW CUT AT THE LIMITS OF REMOVAL IN ORDER TO PROVIDE A CLEAN EDGE. EXISTING PAVING AT EDGE MUST BE MILLED BACK A MINIMUM OF 1.5" TO ENSURE SMOOTH TRANSITION. LIMITS OF REMOVALS SHOWN ARE APPROXIMATE AND THE CONTRACTOR WILL REMOVE PAVING AS REQUIRED TO INSTALL PROPOSED IMPROVEMENTS.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR THE DISCONNECTION OF UTILITY SERVICES TO THE EXISTING STRUCTURES PRIOR TO DEMOLITION OF ANY BUILDINGS. THE CONTRACTOR MUST COORDINATE WITH OWNER, KADRE ENGINEERING, AND RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION AND REMOVAL OF ALL STRUCTURES, UTILITIES AND OTHER EXISTING ITEMS AS REQUIRED TO INSTALL IMPROVEMENTS SHOWN IN THE CONSTRUCTION DOCUMENTS. IF REMOVAL OF EXISTING IMPROVEMENTS RESULTS IN AN LOOSE, SOFT OR OTHERWISE UNSTABLE SUBGRADE CONDITION, UNSUITABLE MATERIALS MUST BE UNDERCUT TO FIRM AND STABLE SUBGRADE AND BROUGHT TO GRADE WITH COMPACTED STRUCTURAL FILL PER THE GEOTECHNICAL ENGINEER, GRADING NOTES, AND/OR SPECIFICATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS INVOLVED IN THE REMOVAL OR RELOCATION OF ANY UTILITY. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH APPLICABLE UTILITY COMPANIES.
- THE CONTRACTOR MUST MAINTAIN ALL UTILITY SERVICES TO THE EXISTING ADJACENT PROPERTIES OR TENANTS AT ALL TIMES. THE CONTRACTOR MUST COORDINATE WITH THE OWNER, TENANT AND UTILITY COMPANY FOR THE RELOCATION AND/OR REMOVAL OF UTILITIES IF NECESSARY. SERVICES MUST NOT BE INTERRUPTED WITHOUT APPROVAL.
- THE CONTRACTOR MUST PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE. ALL DEMOLITION AND CONSTRUCTION DEBRIS MUST BE TRANSPORTED AND DISPOSED OF AT LEAST WEEKLY IN A LEGAL AND APPROVED MANNER.
- IT IS UNDERSTOOD THAT ALL ABOVE GROUND ITEMS TO BE REMOVED INCLUDE THEIR ASSOCIATED BELOW GROUND COMPONENTS (I.E. FOUNDATIONS, UTILITY CONNECTIONS, ETC.).
- ALL TREES INSIDE THE LIMITS OF DISTURBANCE ARE TO BE REMOVED UNLESS NOTED OTHERWISE.
- THE CONTRACTOR MUST PROTECT ALL AREAS INDICATED TO REMAIN UNDISTURBED OR TO REMAIN AS BUFFERS, ALL PROPERTY CORNERS, AND ANY REQUIRED COORDINATION OF REGISTERED LAND SURVEYOR TO REPLACE ALL PINS ELIMINATED OR DAMAGED DURING CONSTRUCTION.

SITE LAYOUT NOTES:

- CONSTRUCTION MUST COMPLY WITH, AND BE CONSTRUCTED IN ACCORDANCE WITH, ALL REQUIRED AND GOVERNING CODES.
- ALL ADA AREAS, ROUTES, AND PARKING INCLUDING RAMPS, SIGNS, SYMBOLS, AND PAINTED ISLANDS MUST CONFORM TO THE LATEST ADA REQUIREMENTS.
- ADA PARKING AREAS MUST NOT EXCEED 2.0% GRADE IN ANY DIRECTION. ADA ACCESS ROUTES MUST NOT EXCEED 5.0% RUNNING SLOPE AND 2.0% CROSS SLOPE.
- DIMENSIONS SHOWN WITHIN THESE DOCUMENTS ARE TO THE BACK OF CURB OR EDGE OF HARDSCAPE UNLESS NOTED OTHERWISE.
- DIMENSIONS TO BUILDINGS ARE TO THE OUTSIDE FACE OF BUILDING OR COLUMN LINES AS NOTED. THE CONTRACTOR MUST VERIFY EXTERIOR BUILDING FACING THICKNESSES PRIOR TO LAYOUT. REFER TO ARCHITECTURAL PLANS FOR SPECIFIC BUILDING INFORMATION.
- ALL PAVEMENT STRIPING AND ROADWAY SIGNAGE MUST BE PER THE LATEST EDITION OF THE MUTCD UNLESS SPECIFICALLY NOTED.
- THE CONTRACTOR MUST REPAIR ANY DAMAGE TO ANY EXISTING IMPROVEMENTS DURING CONSTRUCTION, NOT LIMITED TO DRAINAGE CONVEYANCE OR STRUCTURES, UTILITIES, HARDSCAPE, PAVING, STRIPING, LANDSCAPE, ETC. ALL REPAIRS MUST RETURN THE DAMAGED AREA TO BETTER THAN EXISTING CONDITIONS.
- THE CONTRACTOR MUST COORDINATE THE INSTALLATION OF UNDERGROUND WORK WITH FINISHED GRADE. ALL UNDERGROUND INFRASTRUCTURE MUST BE IN PLACE PRIOR TO THE PLACEMENT OF BASE COURSE MATERIALS.
- THE CONTRACTOR IS RESPONSIBLE FOR PREPARING ANY REQUIRED CONSTRUCTION TRAFFIC CONTROL PLANS AND ANY REQUIRED APPROVALS FOR GOVERNING AUTHORITIES. ALL TRAFFIC CONTROL PLANS MUST BE PER THE LATEST EDITION OF THE MUTCD.
- ALL MATERIALS REQUIRED FOR PAVING IMPROVEMENTS MUST BE TESTED BY A 3RD PARTY AGENCY, APPROVED OR PROVIDED BY THE OWNER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THE WORK CONSTRUCTED MEETS THE REQUIREMENTS OF THE PROJECT ACCORDING TO STANDARD TESTING PROCEDURES INCLUDING ANY AUTHORITIES HAVING JURISDICTION TESTING REQUIREMENTS.
- ALL PAVEMENT STRIPING WITHIN RIGHTS-OF-WAY MUST BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
- ALL PAINT STRIPING MUST BE APPLIED IN TWO EQUAL COATS WITH A MINIMUM TOTAL THICKNESS OF 15 MILS.

GRADING NOTES:

- THE CONTRACTOR MUST ADJUST THE FINAL ELEVATIONS OF ALL EXISTING AT-GRADE STRUCTURES AND

UTILITIES TO MATCH PROPOSED FINISHED GRADES.

- THE CONTRACTOR MUST VISIT THE SITE AND DO ANY REQUIRED SITE RECONNAISSANCE TO VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND OR PREPARING A QUOTE.
- A GEOTECHNICAL INVESTIGATION REPORT PREPARED BY TERRACON, PROJECT NUMBER HP255050, DATED 08/25/2025 IS AVAILABLE FOR REFERENCE. THE CONTRACTOR MUST REVIEW THE REPORT, VISIT THE SITE AND COMPLETE ANY ADDITIONAL EXPLORATIONS / INVESTIGATIONS THAT IT DEEMS NECESSARY IN ORDER TO PROVIDE A COMPLETE BID.
- THE CONTRACTOR MUST VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING INFRASTRUCTURE PRIOR TO CONSTRUCTION.
- THE CONTRACTOR MUST NOTIFY KADRE ENGINEERING OF ANY EXISTING CONDITION OR UTILITY CONFLICT WITH PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
- CLEARING LIMITS ARE DEFINED AS 5' OUTSIDE OF ALL PROPOSED GRADED AREAS OR NOT BEYOND THE PROPERTY LINES WHICHEVER IS LESS.
- CLEARING AND GRUBBING LIMITS INCLUDE ALL AREAS DISTURBED BY CONSTRUCTION OPERATIONS. CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UNDISTURBED AREAS, ALL PROPERTY MONUMENTS, AND RESTORATION OF ANY AREAS CLEARED OR DEMOLISHED WITHOUT AUTHORIZATION.
- ALL TOPSOIL MUST BE STRIPPED PER GEOTECHNICAL RECOMMENDATIONS WITHIN THE LIMITS OF GRADING AND STOCKPILED FOR LATER USE WITH ALL EXCESS TO BE DISPOSED OF OFF-SITE UNLESS OTHERWISE NOTED ON THE PLANS.
- PROOF ROLL SUBGRADE WITH A LOADED DUMP TRUCK IN A MANNER APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING FILL. ANY DEFICIENT AREAS, OR ANY UNSUITABLE (ORGANIC, SOFT, LOOSE) MATERIAL FOUND MUST BE UNDERCUT AND REPLACED OR MOISTURE CONDITIONED PER THE GEOTECHNICAL ENGINEER.
- SCARIFY SUBGRADE TO A MINIMUM DEPTH OF 10". MOISTURE CONDITION AND RECOMPACT AS REQUIRED TO ACHIEVE REQUIRED DENSITY AND MOISTURE CONTENT.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROTECTING PREPARED SUBGRADES. RESTORE TO PROJECT SPECIFICATIONS IF DAMAGED OR COMPROMISED DUE TO INCLEMENT WEATHER AND/OR CONSTRUCTION TRAFFIC.
- DEWATERING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. PREVENT SURFACE WATER AND GROUND WATER FROM ENTERING EXCAVATIONS AND PONDING ON PREPARED SUBGRADES. PROTECT SUBGRADES FROM DAMAGE BY RAIN OR WATER ACCUMULATION. INSTALL A DEWATERING SYSTEM AS REQUIRED TO KEEP SUBGRADES DRY AND CONVEY GROUND WATER AWAY FROM GRADING OPERATIONS. MAINTAIN UNTIL DEWATERING IS NO LONGER REQUIRED. CONTRACTOR IS RESPONSIBLE FOR TREATING ANY DISCHARGE FROM DEWATERING OPERATIONS TO ENSURE NO SEDIMENT IS DISCHARGED FROM THE PROJECT SITE. CONTRACTOR IS REQUIRED TO OBTAIN ALL NECESSARY PERMITS FOR THE DISCHARGE OF DEWATERING EFFLUENT.
- WHERE ROCK IS ENCOUNTERED WITHIN 18" OF PAVING SUBGRADE AND 36" OF BUILDING SUBGRADE, THE "CUT LINE" WILL BE PER THE SPECIFICATIONS. SEE THE SPECIFICATIONS FOR "CUT LINE" DIMENSIONS BELOW BUILDING PADS AND PARKING AREAS. SUITABLE MATERIAL WILL BE REPLACED TO THE PROPOSED SUBGRADE ELEVATION.
- FILL MATERIAL MUST MAINTAIN THE FOLLOWING PROPERTIES: VIRTUALLY FREE OF ORGANICS, NO ROCK FRAGMENTS GREATER THAN 6" WITHIN 4' OF FINISH GRADE, MAX LIQUID LIMIT OF 40, MAX PLASTICITY INDEX OF 20, MAX DRY DENSITY GREATER THAN 100PCF PER ASTM D-698, STANDARD PROCTOR, AND WITHIN +/- 3.0% OF OPTIMUM MOISTURE CONTENT DURING COMPACTION OPERATIONS.
- PLACE FILL MATERIAL IN 8" MAXIMUM LOOSE LIFTS AND COMPACT TO PROJECT REQUIREMENTS.
- COMPACTION TESTS MUST BE TAKEN AT A MINIMUM EVERY 2,500 SQUARE FEET OF AREA PER 8" LIFT OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
 - STRUCTURAL AREAS 98%
 - DEFINED AS ZONES OF INFLUENCE AROUND BUILDING, PAVEMENT AREAS, FILL SLOPES, ETC.
 - LANDSCAPE AREAS 85% TOP 2' (95%)
 - LIMITED SPACES 98%
 - DEFINED AS MANHOLES, INLETS, UTILITY TRENCHES
- STONE BACKFILL MUST BE INSTALLED IN 12" MAX LOOSE LIFTS AND COMPACTED BY VIBRATORY COMPACTOR.
- ALL UN-SURFACED AREAS DISTURBED BY GRADING OPERATIONS MUST RECEIVE FOUR INCHES (4") OF TOPSOIL, SEED, MULCH, WATER, ETC. TO ENSURE THE ESTABLISHMENT OF A PERMANENT STAND OF GRASS. CONTRACTOR MUST GRASS DISTURBED AREAS IN ACCORDANCE WITH THE LANDSCAPE PLAN AND CITY/COUNTY SPECIFICATIONS UNTIL HEALTHY STAND OF GRASS IS OBTAINED.
- PROPOSED ELEVATIONS REPRESENT FINISHED PAVEMENT OR GROUND SURFACE GRADE UNLESS OTHERWISE NOTED ON DRAWINGS.
- THE CONTRACTOR MUST MILL, TACK, AND ENSURE FLUSH CONDITION WITH NO PONDING OF WATER AT LOCATIONS WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT.
- EXISTING MANHOLE TOPS, VALVE BOXES, ETC. TO REMAIN ARE TO BE ADJUSTED AS REQUIRED TO MATCH PROPOSED GRADES. IF NECESSARY, RE-ADJUSTMENTS WILL BE PERFORMED UPON COMPLETION OF PAVING AND FINE GRADING TO ENSURE A SMOOTH TRANSITION.
- EXISTING DRAINAGE STRUCTURES TO REMAIN WITHIN THE PROJECT LIMITS ARE TO BE INSPECTED AND REPAIRED AS NECESSARY. EXISTING PIPES TO BE CLEANED OF ANY SILTS AND DEBRIS.
- THE CONTRACTOR MUST ASSURE POSITIVE DRAINAGE AWAY FROM BUILDING AND FOR ALL NATURAL AND PAVED AREAS.
- MAXIMUM FILL AND CUT SLOPE GRADES MUST BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.
- FILL SLOPES MUST BE BENCHED INTO EXISTING SLOPES PER THE GEOTECHNICAL ENGINEER.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING COMPACTION TESTING.

STORM DRAINAGE NOTES:

- EXISTING STORM INFRASTRUCTURE SHOWN ON PLANS IS APPROXIMATE. THE CONTRACTOR MUST VERIFY EXISTING CONDITIONS AND CONNECTION POINTS PRIOR TO ORDERING OF MATERIALS AND CONSTRUCTION.
- SUBMIT PROJECT SPECIFIC SHOP DRAWINGS TO THE ENGINEER FOR ALL STORM PIPE MATERIALS AND STRUCTURES PRIOR TO FABRICATION.
- STORM DRAINAGE CONVEYANCE SYSTEMS MUST BE CONSTRUCTED FROM DOWNSTREAM TO UPSTREAM WITH ALL INLETS BEING LOCATED AT LOWPOINTS.
- ALDOT REFERENCE SPECIFICATIONS:
 - RIP RAP: CLASS 2 PER SECTION 610
 - STORM MANHOLES (PRECAST WITH GASKETS): SPECIAL DWG MH-621-2
 - SLOPE PAVED HEADWALLS: SPECIAL DWG HW-614-SP
 - FLARED END SECTIONS: SPECIAL DWG FE-619
 - PRECAST HEADWALLS: HW-614-B (PC)
 - IMPACT DISSIPATING HEADWALLS: ID-621
 - WING CURB INLETS: SPECIAL DWG I-621-S
 - TYPE S3 FOR 15" TO 30" STORM PIPES
 - TYPE S4 FOR 36" TO 54" STORM PIPES
 - ROADSIDE DITCH INLETS: SPECIAL DWG I-621-C
 - CONCRETE COLLARS: SPECIAL DWG CC-530
 - BURIED JUNCTION BOX: JB-620-B/TB-620-C ACCORDING TO FILL HEIGHT
- STORM PIPES:
 - 15" AND LESS:
 - HDPE (SMOOTH LINED) OR PVC SCHD 40 WITH WATERTIGHT JOINTS
 - 18" AND GREATER:
 - RCP CLASS 3 BELL AND SPIGOT WATERTIGHT JOINTS
 - SEE PLANS FOR SPECIFIC PIPE MATERIAL VARIATIONS NOTED.
 - BEDDING:
 - 24" AND LESS BEDDED IN 4" OF CRUSHED AGGREGATE
 - 30" AND GREATER BEDDED IN 6" OF CRUSHED AGGREGATE
- PROVIDE DOWNSPOUT BOOTS, CLEANOUTS AND ROOF DRAIN PIPING FROM DOWNSPOUTS TO CONNECT TO STORM CONVEYANCE SYSTEM. COORDINATE WITH ARCHITECTURAL PLANS FOR DOWNSPOUT LOCATION AND BOOT MODEL. COORDINATE WITH STRUCTURAL PLANS FOR FOOTING ELEVATIONS TO ENSURE A MINIMUM ROOF

DRAIN PIPING COVER OF 18".

- INSTALL DRAINAGE PIPING (4" MIN PVC) AS REQUIRED FROM BELOW GRADE UTILITY VAULTS TO NEAREST INLET OR DAYLIGHT.
- THE CONTRACTOR MUST ENSURE THAT POSITIVE AND ADEQUATE DRAINAGE IS MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT CONSTRUCTION. THIS MAY INCLUDE, BUT NOT LIMITED TO, PHASED CONSTRUCTION SEQUENCING WITH GRADING AND STORM DRAINAGE WORK.

EROSION CONTROL NOTES:

- ALL WORK PERFORMED MUST BE IN CONFORMANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.
- ALL PROJECT SITES WITH GREATER THAN 1 ACRE OF DISTURBANCE WILL REQUIRE A "NOTICE OF INTENT" (NOI) FROM ADEM. THE [CONTRACTOR][OWNER] IS RESPONSIBLE FOR OBTAINING THE NOI AND ANY LOCAL EROSION CONTROL PERMITTING INCLUDING ALL APPLICATION AND PERMITTING FEES. CONTRACTOR IS RESPONSIBLE TO ENSURE COMPLIANCE WITH ALL PERMIT REQUIREMENTS INCLUDING BUT NOT LIMITED TO INSPECTION REQUIREMENTS.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL EROSION CONTROL DEVICES IN ACCEPTABLE OPERATING CONDITION PER ADEM REQUIREMENTS DURING ALL CONSTRUCTION ACTIVITIES. THIS INCLUDES ALL MAINTENANCE REQUIRED INCLUDING CLEAN-UP, REPAIRS, OR REPLACEMENT AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR MUST REVIEW AND COORDINATE PROPOSED GRADING SEQUENCE TO LIMIT AS PRACTICAL THE AMOUNT OF LAND DISTURBED AT ANY ONE TIME WITHOUT PERMANENT STABILIZATION.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR MUST AT A MINIMUM INSTALL TEMPORARY CONSTRUCTION ENTRANCE AND INITIAL SEDIMENT CONTROL MEASURES SHOWN IN THE PLANS. CLEARING AND GRUBBING MUST ONLY BE ENGAGED AS NECESSARY TO INSTALL INITIAL MEASURES. MINIMIZE LAND DISTURBANCE AND NO LAND DISTURBANCE MAY OCCUR BEYOND LIMITS SHOWN WITHIN THE PLANS.
- EROSION CONTROL PHASING SHOWN WITHIN THE PLANS ARE INDEPENDENT OF THE CONTRACTOR'S CONSTRUCTION PHASING. CONTRACTOR MUST REVIEW PLANS AND ADJUST PHASING AS REQUIRED BASED ON THEIR CONSTRUCTION SCHEDULE. ADDITIONAL MEASURES MAY BE REQUIRED TO PREVENT EROSION, CONVEYANCE OF SILTS, DEGRADATION, OR POLLUTION THROUGHOUT THE SITE OR TO ADJACENT PROPERTIES OR CONVEYANCE SYSTEMS. ANY ADDITIONAL MEASURES TO MEET THE REQUIREMENTS OF THE ADEM PERMIT ARE THE RESPONSIBILITY OF THE CONTRACTOR AND ARE NO ADDITIONAL COST TO THE OWNER.
- SEDIMENT AND EROSION CONTROL MEASURES MUST BE INSPECTED ON A DAILY BASIS AND PER ADEM REQUIREMENTS. ALL MEASURES MUST BE REPAIRED, ADJUSTED AND MAINTAINED AS NEEDED OR REQUIRED BY GOVERNING AGENCIES AT NO ADDITIONAL EXPENSE TO THE OWNER TO PROVIDE EROSION AND SEDIMENT CONTROL FOR THE DURATION OF CONSTRUCTION AND UNTIL ALL DISTURBED AREAS ARE STABILIZED.
- ALL UNSURFACED AREAS MUST RECEIVE 4 INCHES OF TOPSOIL AND TEMPORARY GRASS OR SOD UNLESS OTHERWISE INDICATED ON THE LANDSCAPE PLAN. IF TEMPORARY GRASS IS APPLIED, IT IS THE CONTRACTOR'S RESPONSIBILITY TO APPLY PERMANENT SEED OR SOD AT THE APPROPRIATE TIME OF YEAR.
- ALL DISTURBED AREAS LEFT UNDISTURBED FOR 13 DAYS MUST BE SEEDED AND MULCHED PER ADEM REQUIREMENTS AND PER ALDOT SPECIFICATION SECTION 652 AND 656.
- INLET PROTECTION MUST BE INSTALLED AT INLETS UPON THE COMPLETION OF EACH INLET.
- OUTLET PROTECTION MUST BE INSTALLED AT EACH HEADWALL UPON THE COMPLETION OF EACH HEADWALL.
- FILL SLOPES SHOULD BE PLANTED AT THE TIME THE SLOPE IS BROUGHT TO FINAL GRADE. SURFACE RUNOFF MUST BE INTERCEPTED AT THE TOP OF TEMPORARY AND PERMANENT SLOPES AS TO NOT ALLOW WATER FLOW OVER THE SLOPE FACE. GEOTEXTILE MUST BE PLACED ON SLOPE FACES AS FOLLOWS: 2:1 SLOPES - NORTH AMERICAN GREEN SC150; 3:1 SLOPES - NORTH AMERICAN GREEN S150 OR APPROVED EQUALS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- STORMWATER CONVEYANCE DITCHES MUST BE STABILIZED AT THE TIME OF INSTALLATION TO PREVENT SILTATION AND THE TRANSPORT OF POLLUTANTS. GEOTEXTILE MUST BE PLACED ON ALL DITCH BOTTOMS AND SIDES. AT A MINIMUM GEOTEXTILE MUST BE NORTH AMERICAN GREEN SC150.
- ALL TEMPORARY EROSION CONTROL MEASURES MUST BE REMOVED AT THE COMPLETION OF CONSTRUCTION ONCE ALL AREAS ARE STABILIZED. COMPLETION OF CONSTRUCTION IS NOT DEFINED AS THE COMPLETION OF GRADING AND STORM DRAINAGE CONSTRUCTION ACTIVITIES.
- ALL CONSTRUCTION WASTE AND TEMPORARY BMPS MUST BE REMOVED FROM THE SITE UPON PROJECT COMPLETION.
- THE CONTRACTOR MUST REMOVE DEBRIS AND SEDIMENT FROM TEMPORARY SEDIMENT PONDS AND PERMANENT PONDS AS REQUIRED BY THE ENGINEER OR LOCAL JURISDICTION INSPECTOR.
- DUST CONTROL MUST BE MAINTAINED PER ADEM REQUIREMENTS TO REDUCE MOVEMENT OF WIND-BORNE PARTICLES DURING LAND DISTURBANCE ACTIVITIES. TEMPORARY METHODS MAY INCLUDE MULCHES, TEMPORARY SEEDING AND VEGETATIVE COVER, SPRINKLING OR IRRIGATION, AND BARRIERS. SPRAY-ON ADHESIVES OR CHEMICAL STABILIZATION MAY BE REQUIRED DUE TO EXCESSIVE DUST AND IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. PERMANENT METHODS MAY INCLUDE VEGETATIVE COVER, TOPSOILING, OR STONE AS REQUIRED.



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RUSSELL COUNTY COMMISSION

SHEET TITLE:
GENERAL NOTES



10/24/25

PROJ. MGR.: D. DICHAIRA
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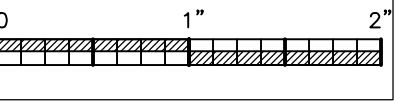
REVISIONS

JOB NO. 25-13

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UTILITY NOTES:

- LOCATIONS AND/OR ELEVATIONS OF EXISTING UTILITIES (ABOVE AND BELOW GROUND) SHOWN IN THE PLANS ARE APPROXIMATE AND BASED UPON AVAILABLE DATA. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATION OF EXISTING UTILITIES (ABOVE AND BELOW GROUND) BEFORE BEGINNING ANY CONSTRUCTION. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. THE CONTRACTOR WILL UTILIZE GPR, HYDRO VAC AND OR POTHOLING TO VERIFY HORIZONTAL AND VERTICAL LOCATION OF UTILITIES. ANY AND ALL DAMAGE MADE TO ANY EXISTING UTILITY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE OR REMOVE ANY UTILITIES REQUIRED TO CONSTRUCT PROPOSED IMPROVEMENTS. ANY DEVIATIONS FROM DESIGN PLANS MUST BE REPORTED TO THE OWNER AND ENGINEER PRIOR TO CONSTRUCTION.
- REFER TO ARCHITECTURAL AND MEP PLANS AND SPECIFICATIONS FOR ACTUAL LOCATION OF ALL UTILITY ENTRANCES INCLUDING BUT NOT LIMITED TO SANITARY, DOMESTIC AND FIRE WATER, ELECTRICAL, COMMUNICATIONS, ETC. COORDINATE AND SCHEDULE UTILITY INSTALLATION TO ENSURE REQUIRED DEPTHS ARE MET AND TO AVOID CONFLICTS WITH OTHER UTILITIES AND BELOW GRADE CONSTRUCTION.
- THE CONTRACTOR MUST COORDINATE INSTALLATION AND FINAL SITE ROUTING WITH AUTHORITIES HAVING JURISDICTION FOR POWER, COMMUNICATIONS, AND GAS SERVICE ROUTINGS PRIOR TO INSTALLATION OF OTHER SUBSURFACE UTILITIES. INFORMATION SHOWN ON THE PLANS IS FOR REFERENCE ONLY.
- UNDERGROUND ELECTRICAL AND COMMUNICATIONS MUST BE INSTALLED IN PVC SCHD 40 CONDUIT OR DUCT BANK WITH PULL WIRE PER AUTHORITY HAVING JURISDICTION REQUIREMENT. INFORMATION SHOWN ON THE PLANS IS FOR REFERENCE ONLY.
- THE CONTRACTOR MUST REVIEW AND UNDERSTAND AUTHORITIES HAVING JURISDICTION REQUIREMENTS FOR OBSERVATION AND OVERSIGHT ON ALL UTILITIES. COORDINATE INSPECTION WITH THE APPROPRIATE AUTHORITIES PRIOR TO COVERING TRENCHES AT INSTALLATION.
- THE CONTRACTOR IS REQUIRED TO CONDUCT ALL REQUIRED WORK AND TESTING TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION AT NO ADDITIONAL COST TO THE OWNER.
- THE MINIMUM SEPARATION BETWEEN WATER AND SEWER LINES MUST BE TEN (10) FEET HORIZONTALLY OR TWO (2) FEET VERTICALLY.
- SANITARY SEWER LINES MUST BE PVC SDR 26 UNLESS OTHERWISE REQUIRED BY AUTHORITY HAVING JURISDICTION.
- GRAVITY SANITARY SEWER SYSTEMS MUST BE CONSTRUCTED FROM DOWNSTREAM TO UPSTREAM AND IN ACCORDANCE WITH ALL UTILITY COMPANY STANDARDS AND REQUIREMENTS. ALL EXCAVATION, SHORING AND BRACING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- ALL PIPE ENTRANCE CONNECTIONS TO SANITARY SEWER MANHOLES MUST BE MADE WITH NEOPRENE BOOTS INSTALLED PER MANUFACTURER'S RECOMMENDATIONS TO ASSURE CONNECTION IS WATER TIGHT.
- WATER LINES MUST BE THE FOLLOWING MATERIALS:
 - 4" DIAMETER AND LARGER: DIP (CL 350)
 - LESS THAN 4" DIAMETER: TYPE K COPPER
- WATER LINES MUST BE INSTALLED PER AUTHORITY HAVING JURISDICTION REQUIREMENTS. ALL MAINS AND SERVICES MUST BE MAINTAIN 36" OF MINIMUM COVER UNLESS SPECIFICALLY NOTED OTHERWISE.
- METERING AND BACKFLOW PREVENTION MUST BE PROVIDED ON ALL WATER SERVICES PER AUTHORITY HAVING JURISDICTION REQUIREMENTS.
 - DOMESTIC SYSTEM: DOUBLE CHECK VALVE (DCV)
 - METERS AND BACKFLOW PREVENTION DEVICES MUST BE IN BELOW GRADE BOXES OR ABOVE GRADE HEATED ENCLOSURES PER LOCAL AUTHORITY REQUIREMENTS.
 - CONTRACTOR MUST INCLUDE AND COORDINATE ALL POWER AND COMMUNICATION REQUIREMENTS TO BOXES INCLUDING BUT NOT LIMITED TO SUMP PUMPS, HEATERS, SCADA, ETC.
- PROVIDE TAMPER SWITCHES AND ASSOCIATED INFRASTRUCTURE ON FIRE SERVICE POST INDICATOR VALVES AND VALVES IN PIT PER LOCAL AUTHORITY REQUIREMENTS. CONTRACTOR IS RESPONSIBLE FOR CONDUIT, WIRING, ETC FROM ANY TAMPER SWITCH LOCATION TO POWER SERVICE AND/OR REPORTING LOCATION. COORDINATE WITH FIRE PROTECTION AND ELECTRICAL PLANS FOR POWER SERVICE AND/OR REPORTING LOCATIONS.
- TRENCHES IN EXISTING UNSURFACED AREAS MUST BE BACKFILLED PER GEOTECHNICAL ENGINEERS RECOMMENDATIONS OR AT A MINIMUM WITH FILL PLACED IN MAX 6" LOOSE LIFTS, COMPACTED TO 98% STANDARD PROCTOR AT +/- 2.0% OPTIMUM MOISTURE CONTENT.
- TRENCHES IN EXISTING PAVED AREAS MUST BE NEATLY SAWCUT AND BACKFILLED FULL DEPTH WITH CRUSHED AGGREGATE. REPLACE SURFACING AND PAVEMENT SECTION IN LIKE KIND AND RESTRIPE AS NECESSARY TO RETURN AREA TO PRE-CONSTRUCTION CONDITION.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL MODIFICATIONS REQUIRED TO ENSURE ALL AT-GRADE EXISTING AND PROPOSED UTILITY STRUCTURES (MANHOLES, VAULTS, VALVE BOXES, ETC.) MATCH FINISHED GRADE UPON CONSTRUCTION COMPLETION.

TRAFFIC CONTROL NOTES:

- THE CONTRACTOR MUST ESTABLISH AND MAINTAIN TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE LATEST EDITION AND REVISION OF PART VI OF THE FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE APPROVED TRAFFIC CONTROL PLAN FOR ALL CONSTRUCTION WITHIN WORK AREAS SHOWN AND DESCRIBED IN PART VI OF THE MUTCD.
- PERMANENT ROADWAY SIGNS OR TEMPORARY CONSTRUCTION SIGNS WHICH ARE NOT APPLICABLE OR INAPPROPRIATE FOR THE CURRENT CONDITIONS WILL BE COVERED OR REMOVED.
- THE DIMENSIONS SHOWN OR DESCRIBED FOR LOCATING CONSTRUCTION SIGNS ARE NOMINAL. THE ACTUAL DIMENSIONS MUST BE ADJUSTED TO BEST FIT LOCAL CONDITIONS AND PROVIDE MAXIMUM VISIBILITY.
- IF TRAFFIC CONTROL DEVICES ARE NECESSARY FOR PROPER WARNING AND TRAFFIC CONTROL AFTER SUNSET, THEN AS A MINIMUM, TYPE "B" WARNING LIGHTS WILL BE PLACED ON THE FIRST WARNING SIGN AND CHANNELIZING DRUM AND TYPE "A" REFLECTIVE SHEETING WILL BE REQUIRED ON ALL SIGNS.
- HAZARDOUS CONDITIONS ON OPEN ROADWAYS SUCH AS PAVEMENT DROP-OFFS IN EXCESS OF 2"; CONSTRUCTION MATERIALS, VEHICLES, OR EQUIPMENT STORED OR PLACED WITHIN THE ROADWAY RIGHT-OF-WAY; AND OPEN TRENCHES ACROSS OR NEAR THE ROADWAY WILL NOT BE ALLOWED UNLESS THE CONTRACTOR IS ON SITE AND WORKING, AND PROPER TRAFFIC CONTROL MEASURES ARE BEING TAKEN.
- THE CONTRACTOR MUST KEEP OPEN ROADWAYS CLEAN AND FREE OF CONSTRUCTION DEBRIS, DIRT, LOOSE GRAVEL OR OTHER MATERIAL THAT MAY CAUSE HAZARDOUS DRIVING CONDITIONS.
- TRAFFIC CONTROL DEVICES MUST MEET THE STANDARD MATERIAL AND INSTALLATION REQUIREMENTS SPECIFIED IN THE CURRENT EDITION OF THE AL.D.O.T. STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
- ROADWAYS AND DRIVEWAYS WILL REMAIN OPEN DURING CONSTRUCTION. CHANNELIZING DEVICES MUST BE PLACED AT 10' ON CENTER ALONG MINIMUM 20' RADII TO CHANNELIZE TRAFFIC INTO AND OUT OF INTERSECTING ROAD AND DRIVES WITHIN AREAS WHERE CHANNELIZING DEVICES ARE REQUIRED. TEMPORARY REGULATORY SIGNS SUCH AS STOP SIGNS AND YIELD SIGNS MUST BE PLACED AS NECESSARY FOR PROPER TRAFFIC CONTROL IN ACCORDANCE WITH THE MUTCD.

QUALITY CONTROL TESTING, INSPECTIONS AND APPROVALS:

- IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO UNDERSTAND AND COMPLY WITH THE TESTING REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS AS WELL AS ANY AND ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT, TO PERFORM ALL NECESSARY QUALITY CONTROL TESTING, AND TO OBTAIN ANY NECESSARY INSPECTIONS AND APPROVALS OF WORK PERFORMED OR MATERIALS UTILIZED.
- THE CONTRACTOR MUST PAY ALL COSTS ASSOCIATED WITH TESTING, INSPECTION, AND APPROVAL OF WORK AND WILL PROVIDE TO THE OWNER AND ENGINEER THE REQUIRED CERTIFICATES FOR TESTING, INSPECTIONS, OR APPROVALS. ALL TEST RESULTS (PASSING AND FAILING) WILL BE PROVIDED TO THE OWNER AND ENGINEER IMMEDIATELY UPON RECEIPT.
- TESTING MUST INCLUDE AT A MINIMUM:
 - CONCRETE AND ASPHALT PAVING QUALITY CONTROL TESTING INCLUDING DESIGN MIX REVIEW, MATERIALS, FIELD SLUMP AND AIR CONTENT, AND FIELD AND LAB CURED STRENGTH SAMPLES AND TESTING;
 - PIPING AND STRUCTURAL EXCAVATION, BEDDING AND BACKFILL MATERIALS AND DENSITY TESTS;
 - DETERMINATION OF COMPACTIVE EFFORT NEEDED FOR COMPLIANCE WITH THE DENSITY REQUIREMENTS;
 - PRESSURE AND LEAKAGE TESTING AS REQUIRED FOR WATER DISTRIBUTION, SANITARY SEWER, AND STORM SEWER LINES.
 - FOR ALL INSTALLED GRAVITY SANITARY SEWERS AND GRAVITY STORM SEWERS, THE CONTRACTOR MUST HAVE INTERNAL TELEVISION INSPECTION PERFORMED BY A QUALIFIED SUBCONTRACTOR.
- THE CONTRACTOR MUST CLEAN ALL INSTALLED LINES AND STRUCTURES PRIOR TO ANY TESTING PROCEDURES.

- ANY DESIGN OR TESTING LABORATORY UTILIZED BY THE CONTRACTOR MUST BE AN INDEPENDENT LABORATORY ACCEPTABLE TO THE OWNER AND THE ENGINEER, AND MUST BE APPROVED IN WRITING BY THE ENGINEER PRIOR TO BEGINNING WORK. THE LAB MUST COMPLY WITH THE LATEST EDITION OF THE "RECOMMENDED REQUIREMENTS FOR INDEPENDENT LABORATORY QUALIFICATION", PUBLISHED BY THE AMERICAN COUNCIL OF INDEPENDENT LABORATORIES.

AS-BUILT DRAWING REQUIREMENTS:

- PRIOR TO FINAL INSPECTION, THE CONTRACTOR MUST PROVIDE TO THE ENGINEER AN AS-BUILT SURVEY DOCUMENTING AS-BUILT CONDITIONS. ALL AS-BUILT DATA MUST BE PREPARED BY AND SIGNED, SEALED AND DATED BY A LICENSED SURVEYOR REGISTERED IN THE APPLICABLE STATE OF WORK.
- THE AS-BUILT INFORMATION IS TO INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:
 - SPECIFY THE HORIZONTAL AND VERTICAL DATUM REFERENCED. DATUM MUST BE THE SAME AS THAT UTILIZED IN THESE CONSTRUCTION PLANS;
 - WHERE THE PLANS CONTAIN SPECIFIC HORIZONTAL LOCATION AND/OR VERTICAL ELEVATION DATA, THE AS-BUILT DRAWINGS MUST SHOW THE CORRESPONDING HORIZONTAL LOCATION AND/OR VERTICAL ELEVATION AS MEASURED IN THE FIELD;
 - FINISHED FLOOR ELEVATIONS OF ALL STRUCTURES;
 - FOR ROADWAY AND DRIVE AISLES, PROVIDE PAVEMENT WIDTH AND ELEVATIONS AT THE CENTERLINE AND EDGE OF PAVEMENT EVERY 100 FEET PLUS ALL CHANGES IN LONGITUDINAL SLOPE OR CROSS SLOPE, AT INLET LOCATIONS, AND AT ALL DRIVEWAY AND STREET INTERSECTIONS;
 - FOR PARKING LOTS, RECORD CENTERLINE AND EDGE OF PAVEMENT ELEVATIONS ALONG ALL DRIVE AISLES AND ISLANDS AND SHOW THE DEPTH AND WIDTH OF PARKING STALLS;
 - PROVIDE HORIZONTAL AND VERTICAL MEASUREMENTS FOR ALL PARKING AREAS AND SIDEWALK RAMPS DESIGNATED AS HANDICAP ACCESSIBLE ROUTES IN ORDER TO VERIFY REQUIRED WIDTHS AND SLOPES HAVE BEEN MET;
 - STORMWATER DRAINAGE SYSTEMS (BOTH OPEN CONVEYANCE AND PIPED SYSTEMS) INCLUDING DIMENSIONS, ELEVATIONS, CONTOURS AT ONE FOOT INTERVALS, AND CROSS SECTIONS OF OUTFALL CONTROL STRUCTURE (S);
 - STORMWATER CONTROL STRUCTURE INFORMATION (INCLUDING BOX STRUCTURES, FLUMES, AND SPILLWAYS) MUST INCLUDE DIMENSIONS AND ELEVATIONS OF ALL PIPES, WEIRS, SLOTS, ORIFICES, GRATES, AND SKIMMERS, AS SHOWN ON CONSTRUCTION DETAILS AS A MINIMUM;
 - FOR ALL STORMWATER PONDS AND OPEN CONVEYANCE SYSTEMS, PROVIDE TOP OF BANK ELEVATIONS, BOTTOM ELEVATIONS, AND HORIZONTAL DIMENSIONS MEASURED AT LOCATIONS AS SHOWN ON THE CONSTRUCTION PLANS. A MINIMUM OF 10 LOCATIONS PER POND WILL BE REQUIRED AND MORE MAY BE NECESSARY TO ACCURATELY SHOW THE FOOTPRINT AND VOLUME OF THE POND. HORIZONTAL POND DIMENSIONS ARE ALSO TO BE TIED TO PROPERTY CORNERS, EASEMENTS, RIGHTS-OF-WAY, OR OTHER POINTS ON THE PROPERTY;
 - HORIZONTAL LOCATIONS AND VERTICAL ELEVATIONS INCLUDING STRUCTURE TOPS, INVERT ELEVATIONS, AND PIPE SIZES FOR ALL UTILITY AND STORM STRUCTURES INCLUDING BUT NOT LIMITED TO MANHOLES, INLETS, CLEANOUTS, VALVES, FITTINGS, AND CONNECTION POINTS;
 - LENGTHS OF PIPELINES BETWEEN STRUCTURES;
 - UTILITY LOCATIONS TIED HORIZONTALLY TO EDGE OF PAVEMENT AND RIGHT-OF-WAY LINES, LOCATED EVERY 100-FT PLUS ALL CHANGES IN HORIZONTAL OFFSET;
 - VERTICAL ELEVATIONS OF ALL PIPELINES WHERE THERE IS A CROSSING OF NEW AND EXISTING DOMESTIC AND FIRE WATER MAINS, SANITARY SEWER MAINS, AND STORM SEWER LINES IN ORDER TO DOCUMENT THAT THE MINIMUM REQUIRED VERTICAL SEPARATIONS HAVE BEEN MET;
 - HORIZONTAL AND VERTICAL DATA FOR ANY CONSTRUCTION THAT DEVIATES FROM THE APPROVED ENGINEERING DRAWINGS.
- FOR ALL INSTALLED GRAVITY SANITARY SEWERS AND GRAVITY STORM SEWERS, THE CONTRACTOR MUST HAVE INTERNAL TELEVISION INSPECTION PERFORMED BY A QUALIFIED SUBCONTRACTOR. THE INSPECTION MUST BE RECORDED AND ALL FEATURES MUST BE MEASURED AND LOGGED AS THE CAMERA PROGRESSES THROUGH THE PIPE. INSPECTION REPORTS MUST INCLUDE PIPE SIZE, PIPE MATERIAL, LOCATION OF CHANGES IN MATERIAL, BRANCH OR CONNECTION LOCATIONS AND LOCATIONS OF DEFECTS.



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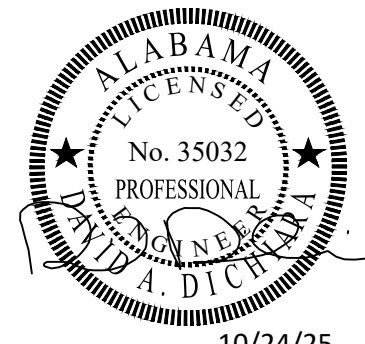
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RUSSELL COUNTY COMMISSION

SHEET TITLE:
GENERAL NOTES

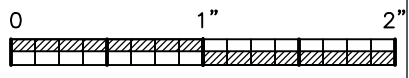


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DRAWN:	W. FULMER
DATE:	10/24/2025
REVISIONS	

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SHEET NO:

C0.2

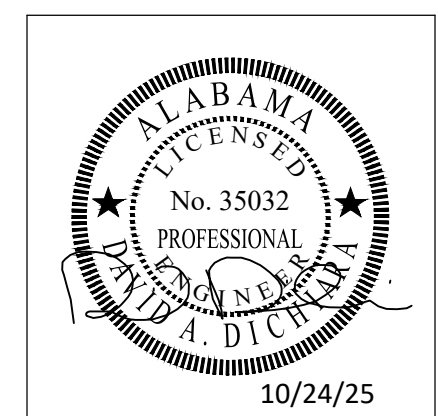
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SHEET TITLE:
SITE LAYOUT PLAN



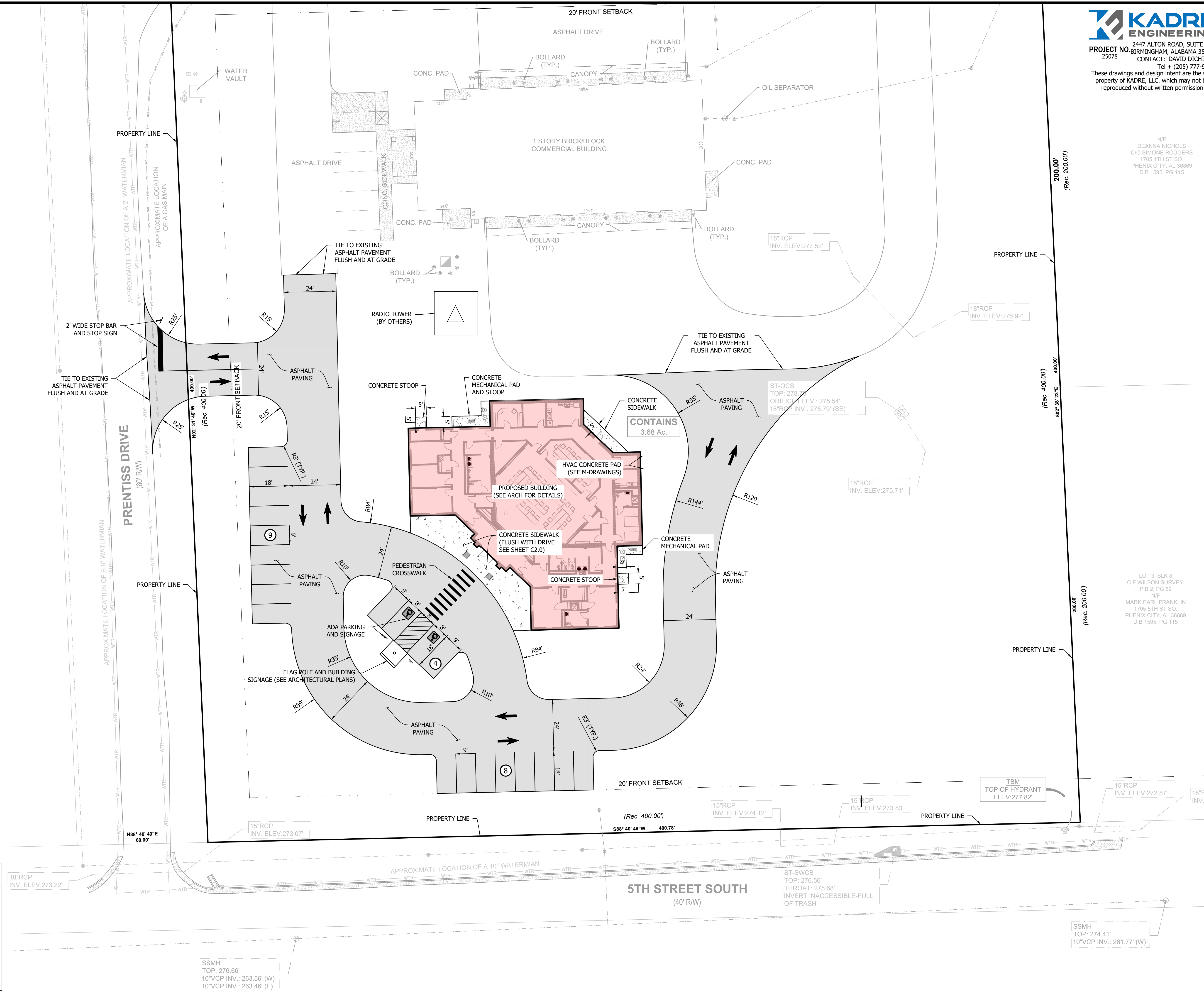
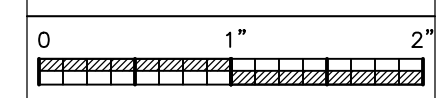
PROJ. MGR.: D. DICHAIRA
DRAWN: W. FULMER
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REVISIONS

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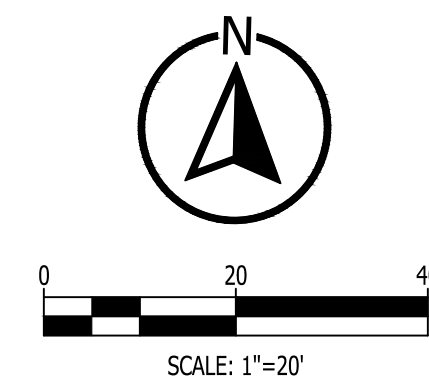
SHEET NO:

C1.0

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SPECIAL NOTES:
1. SEE SHEET C0.1 & C0.2 FOR APPLICABLE GENERAL NOTES



SITE LAYOUT LEGEND	
	STANDARD DUTY ASPHALT PAVING
	CONCRETE PAVING
	CONCRETE SIDEWALK
	PARKING COUNT



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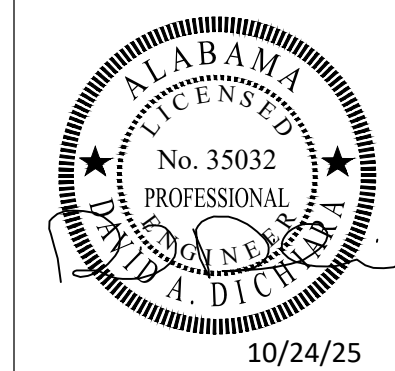


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SHEET TITLE:
GRADING AND
DRAINAGE PLAN



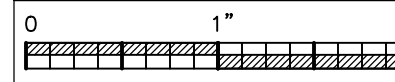
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DRAWN: W. FULMER
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JOB NO. 25-13

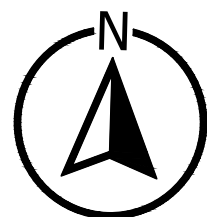
SHEET NO:

C2.0

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SPECIAL NOTES:
1. SEE SHEET C0.1 & C0.2 FOR
APPLICABLE GENERAL NOTES



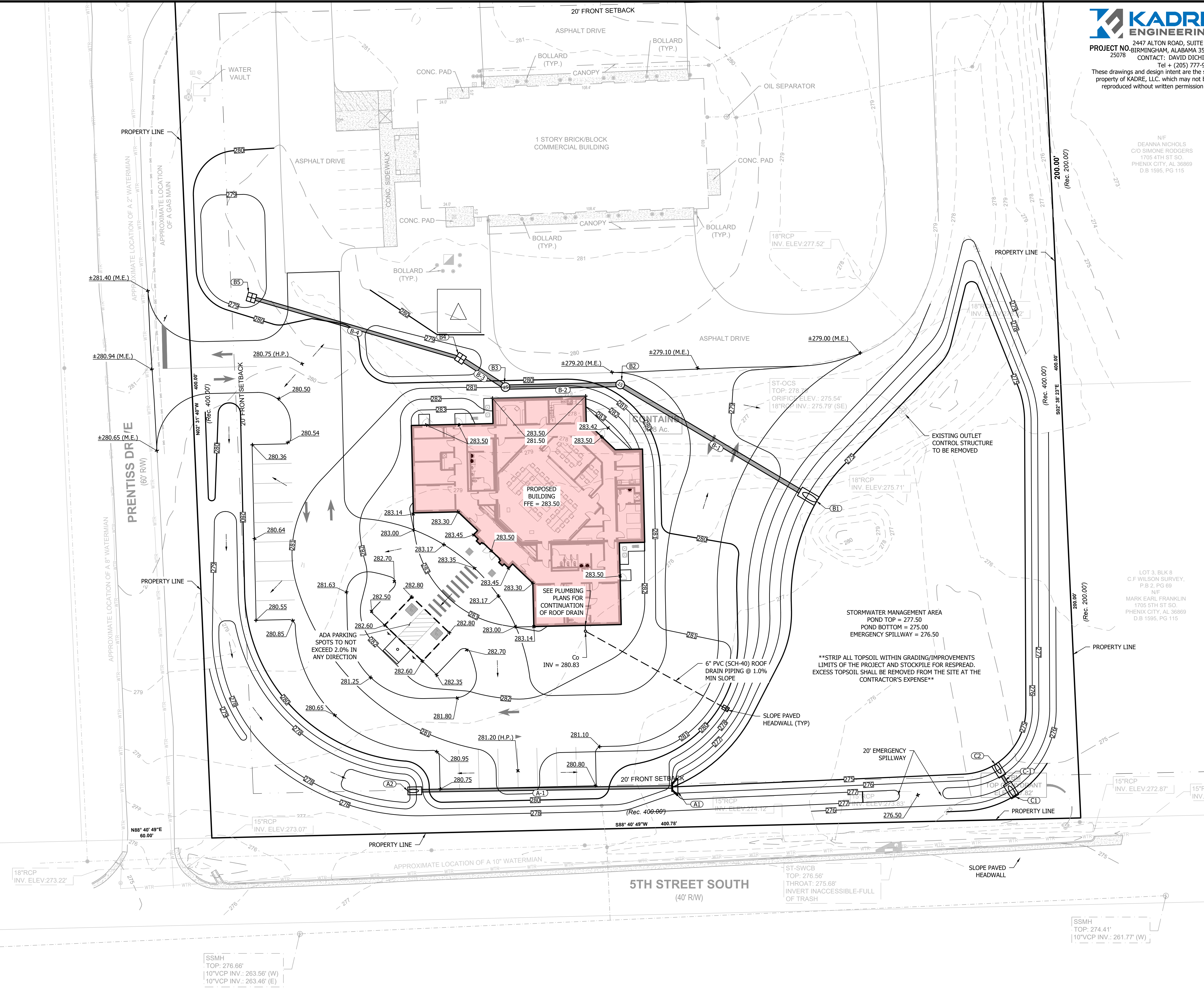
0 20 40
SCALE: 1"=20'

STORM DRAINAGE LEGEND

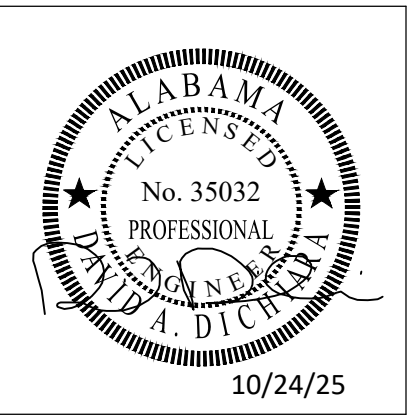
- STORM DRAINAGE PIPING (15"Ø OR MORE)
- STMH STORM SEWER MANHOLE
- YI YARD INLET
- GI GRATE INLET
- SWCI SINGLE WING CURB INLET
- DWCI DOUBLE WING CURB INLET
- HGI HOODED GRATE INLET

GRADING LEGEND

- MINOR CONTOUR
- MAJOR CONTOUR
- SPOT ELEVATION
- TOP OR CURB ELEV
- 500.00 BOTTOM OF CURB ELEV
- TW TOP OF WALL ELEV
- GTW FINISHED GRADE ELEV ON HIGH SIDE OF WALL
- GBW FINISHED GRADE ELEV ON LOW SIDE OF WALL
- ME MATCH EXISTING ELEV



SHEET TITLE:
STORM PROFILES



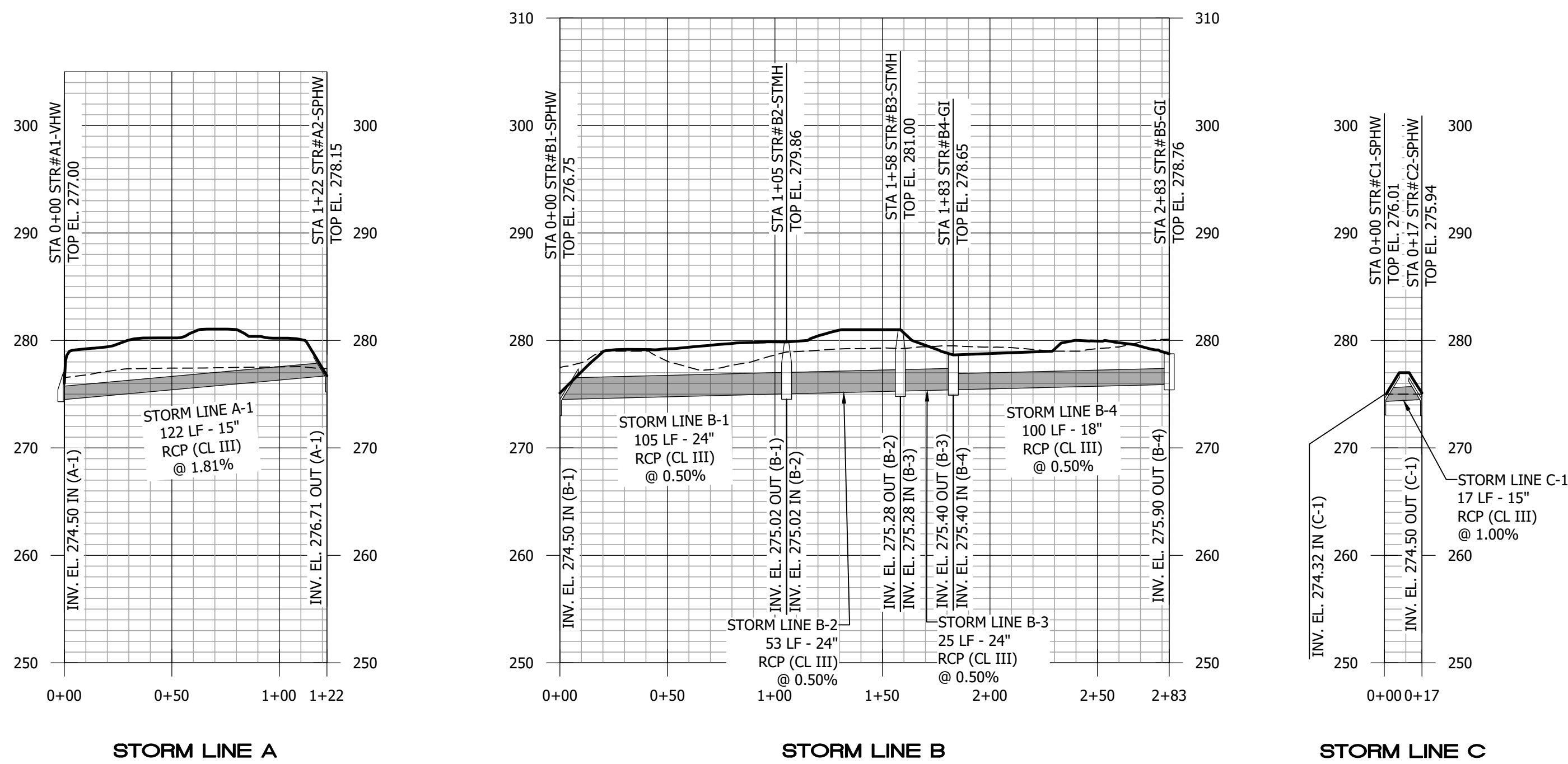
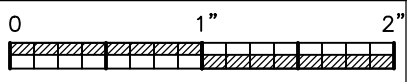
PROJ. MGR.: D. DICHAIARA
DRAWN: W. FULMER
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SHEET NO:

C2.1

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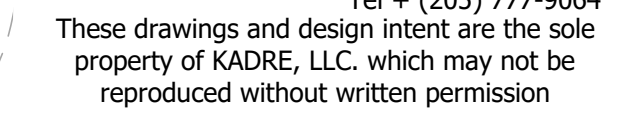


PROFILE LEGEND

----- EXISTING GRADE
————— PROPOSED GRADE

NOTES:
1. SEE SHEET C0.1 & C0.2 FOR APPLICABLE GENERAL NOTES.

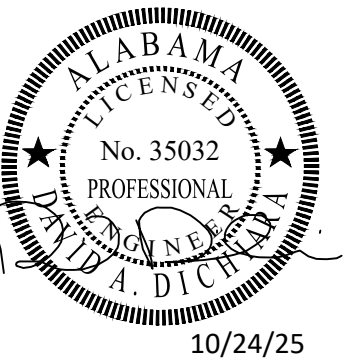
SCALE:
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 10'



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SHEET TITLE:
SITE UTILITY PLAN



ROJ. MGR.: D. DICHAIRA

RAWN: W. FULMER

DATE: 10/24/2025

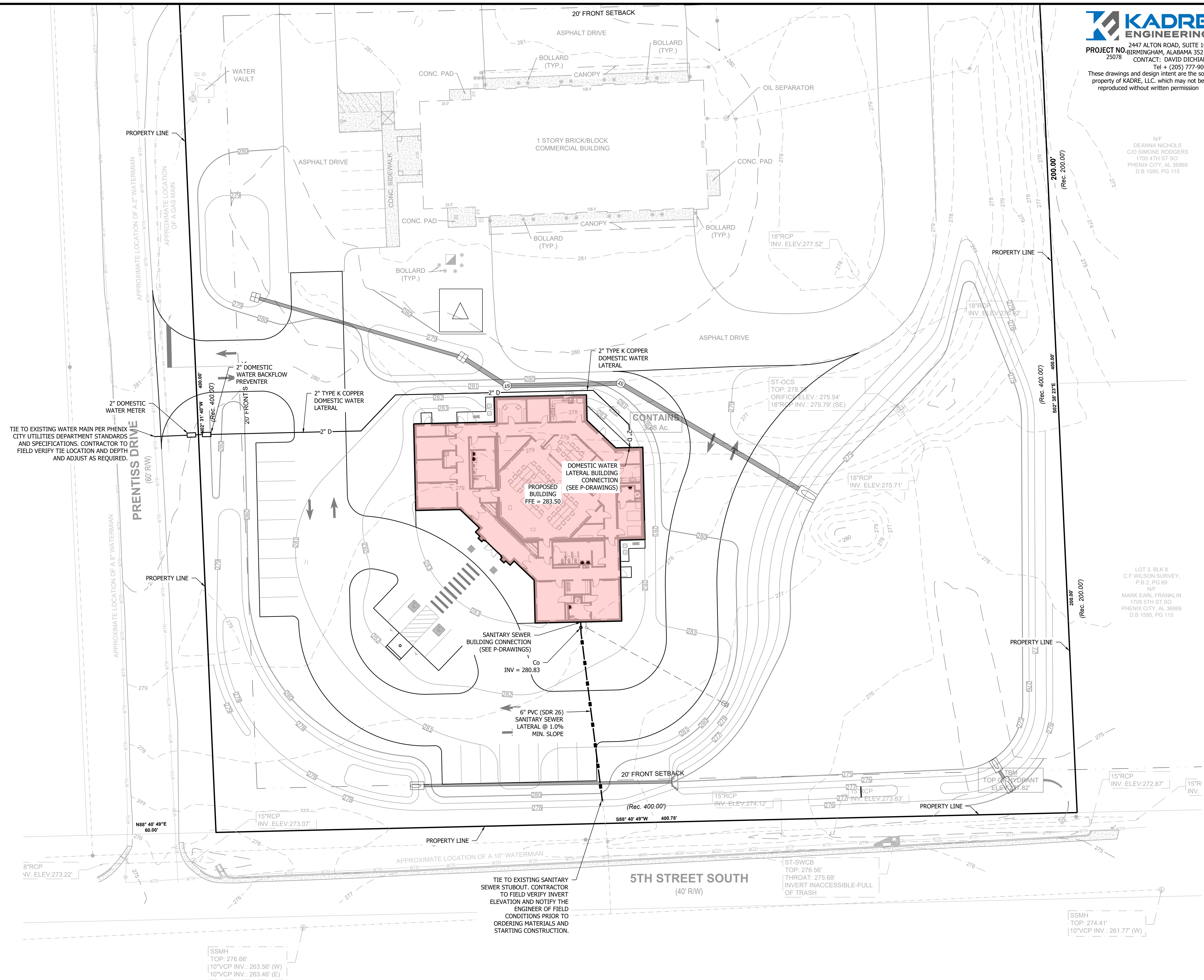
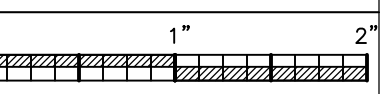
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SHEET NO:

C3.0

DF 9





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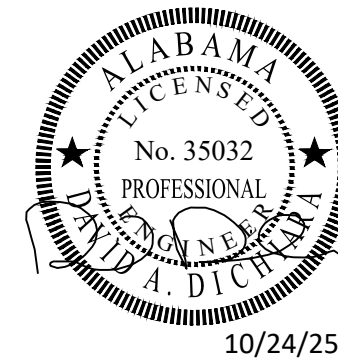


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SHEET TITLE:
EROSION CONTROL PLAN

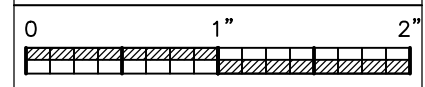


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DRAWN: W. FULMER
DATE: 10/24/2025
REVISIONS

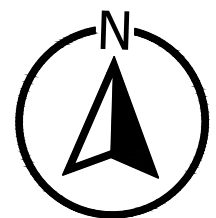
JOB NO. 25-13
SHEET NO:

C4.0

7 OF 9



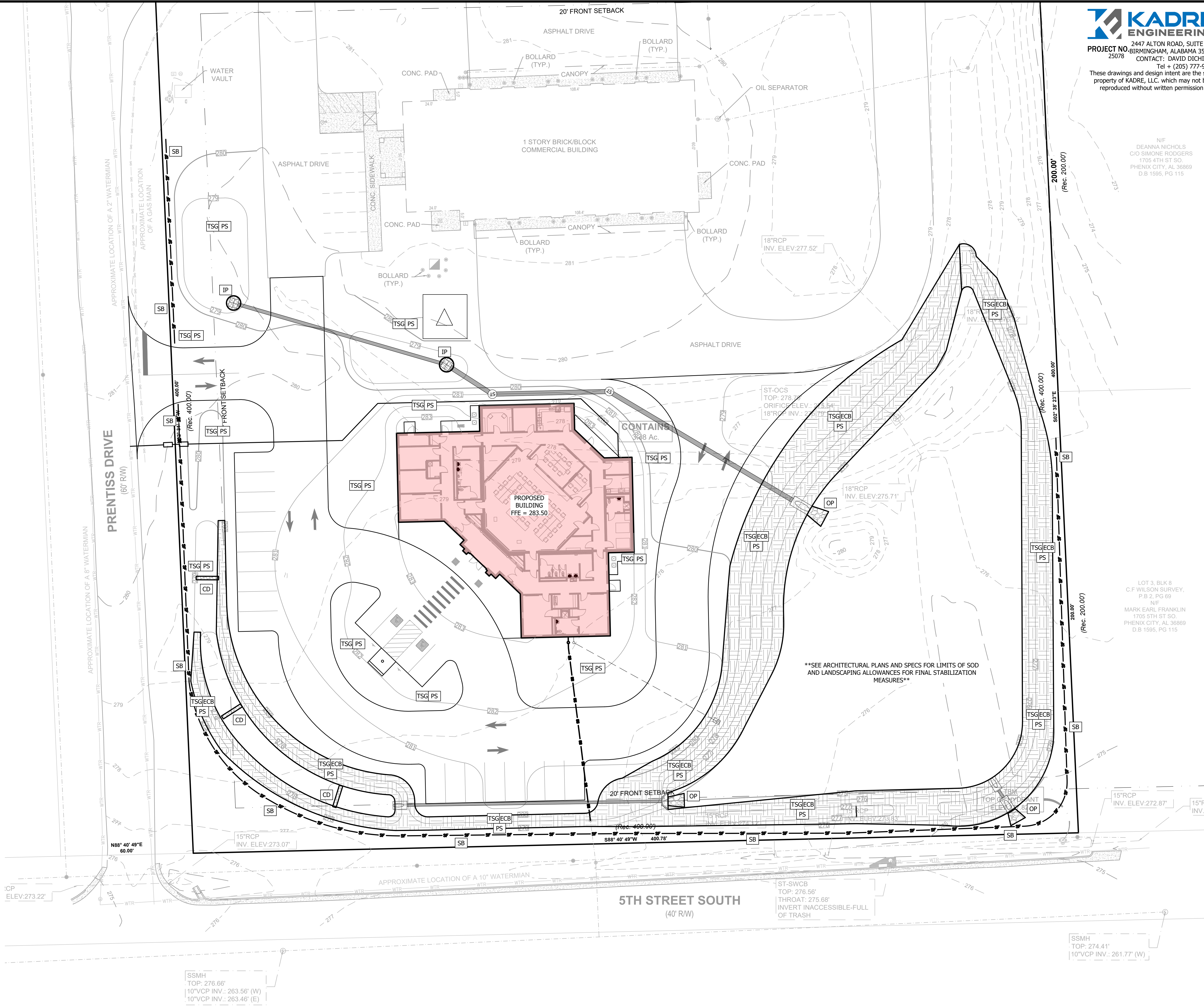
SPECIAL NOTES:
1. SEE SHEET C0.1 & C0.2 FOR APPLICABLE GENERAL NOTES

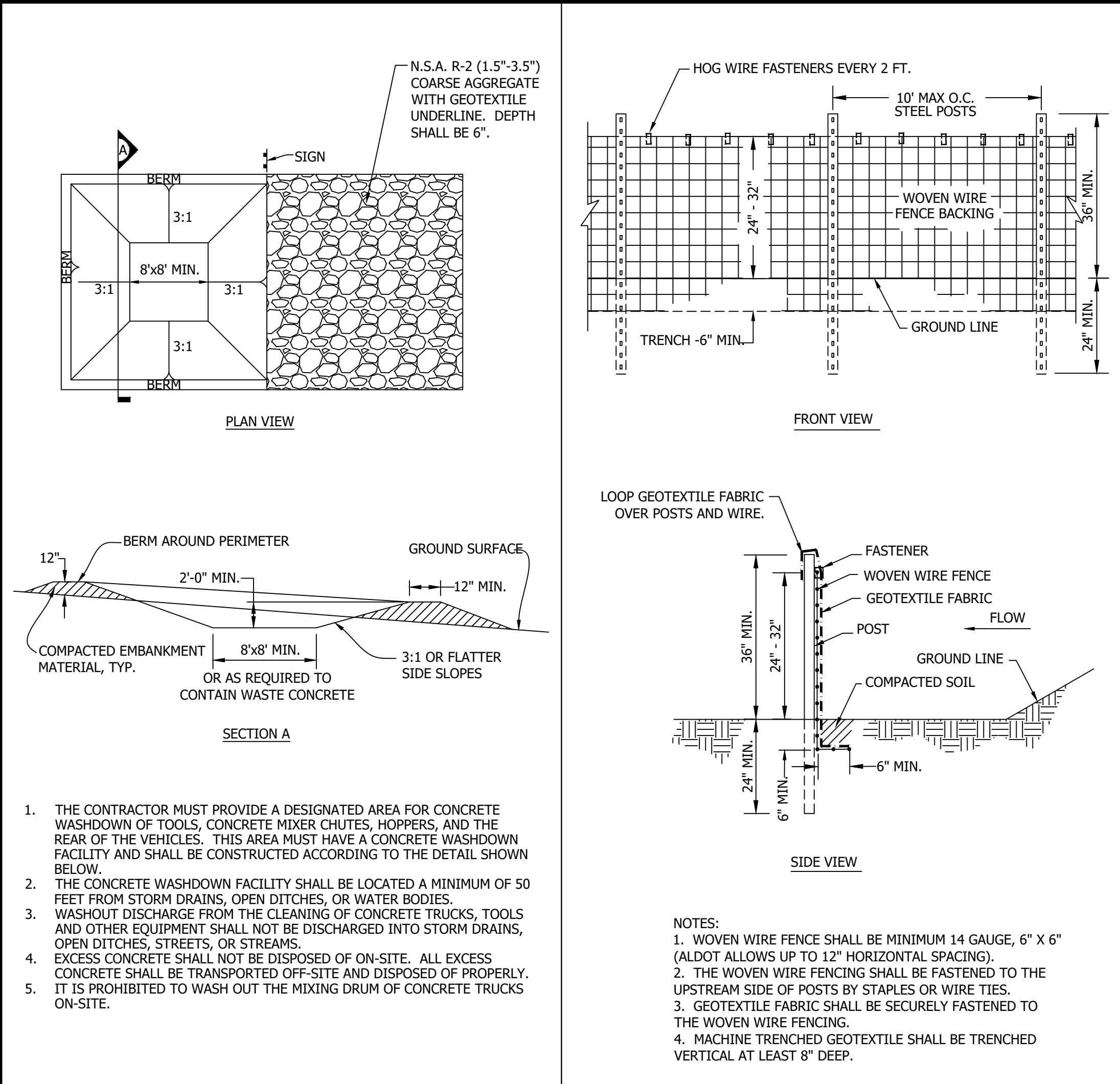


SCALE: 1"=20'

EROSION CONTROL LEGEND

- SB SILT FENCING
- SS SILT SOXX
- IP SILT SAVER / DANDY SACK INLET PROTECTION
- CD CHECK DAM
- CEP CONSTRUCTION EXIT PAD
- OP OUTLET PROTECTION
- TSG TOPSOIL
- ECB EROSION CONTROL BLANKET
- DV DIVERSION BERM
- PS PERMANENT SEEDING
- TS TEMPORARY SEEDING
- MU MULCHING





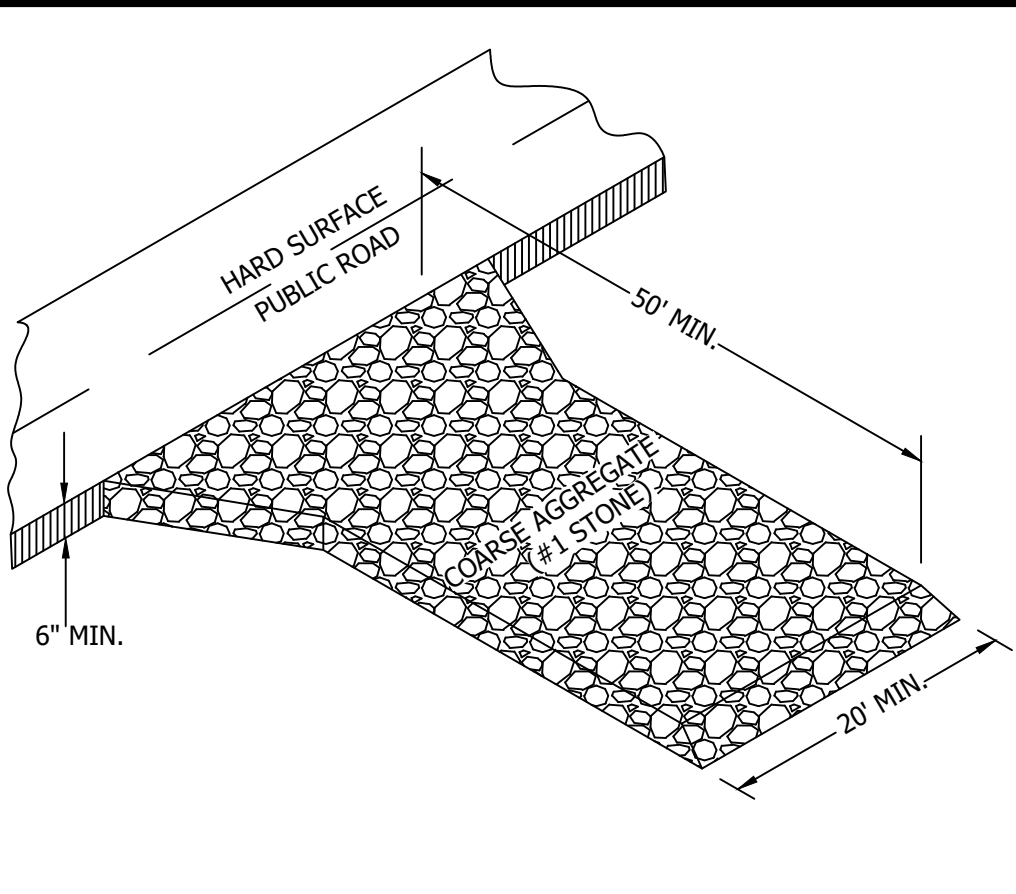
CW CONCRETE WASHOUT AREA **SB SILT FENCE WITH WIRE BACKING**

TABLE MU-1: MULCHING MATERIALS AND APPLICATION RATES			TABLE TS-1: COMMONLY USED PLANTS FOR TEMPORARY COVER					TABLE PS-1: COMMONLY USED PLANTS FOR PERMANENT COVER WITH SEEDING RATES AND DATES				
MATERIAL	RATE PER ACRE (PER 1,000 SQ.FT.)	NOTES	SPECIES	SEEDING RATE PER AC PLS	NORTH	CENTRAL	SOUTH	SPECIES	SEEDING RATE PER AC PLS	NORTH	CENTRAL	SOUTH
STRAW WITH SEED	1 1/2 - 2 TONS (70 LBS - 90 LBS)	SPREAD BY HAND OR MACHINE TO ATTAIN 75% GROUND COVER; ANCHOR WHEN SUBJECT TO BLOWING.	MILLET, BROWNTOP, OR RYE	40 LBS	MAY 1 - AUG 1	APR 1 - AUG 15	APR 1 - AUG 15	BAHIA GRASS, PENSACOLA	40 LBS	--	MAR 1 - JULY 1	FEB 1 - NOV 1
				3 BU	SEPT 1 - NOV 15	SEPT 15 - NOV 15	SEPT 15 - NOV 15	BERMUDAGRASS, COMMON	10 LBS	APR 1 - JULY 1	MAR 15 - JULY 15	MAR 1 - JULY 15
STRAW ALONE (NO SEED)	2 1/2 - 3 TONS (115 LBS - 160 LBS)	SPREAD BY HAND OR MACHINE; ANCHOR WHEN SUBJECT TO BLOWING.	RYEGRASS	30 LBS	AUG 1 - SEPT 15	SEPT 1 - OCT 15	SEPT 1 - OCT 15	BAHIA GRASS, PENSACOLA	30 LBS	--	MAR 1 - JULY 1	MAR 1 - JULY 15
WOOD CHIPS	5-6 TONS (225 LBS - 270 LBS)	TREAT WITH 12 LBS. NITROGEN/TON.	SORGHUM - SUDAN HYBRIDS	40 LBS	MAY 1 - AUG 1	APR 15 - AUG 1	APR 1 - AUG 15	BERMUDAGRASS, COMMON	5 LBS	--	MAR 1 - JULY 1	MAR 1 - JULY 15
BARK	35 CUBIC YARDS (0.8 CUBIC YARD)	CAN APPLY WITH MULCH BLOWER.	SUDANGRASS	40 LBS	MAY 1 - AUG 1	APR 15 - AUG 1	APR 1 - AUG 15	BERMUDAGRASS, HYBRID (LAWN TYPES)	SOLID SOD	ANYTIME	ANYTIME	ANYTIME
			WHEAT	3 BU	SEPT 1 - NOV 1	SEPT 15 - NOV 15	SEPT 15 - NOV 15	BERMUDAGRASS, HYBRID (LAWN TYPES)	SPRIGS 1/SQ FT	MAR 1 - AUG 1	MAR 1 - AUG 1	FEB 15 - SEPT 1
PINE STRAW	1-2 TONS (45 LBS - 90 LBS)	SPREAD BY HAND OR MACHINE; WILL NOT BLOW LIKE STRAW.	COMMON BERMUDAGRASS	10 LBS	APR 1 - JULY 1	MAR 15 - JULY 15	MAR 1 - JULY 15	FESCUE, TALL	40 - 50 LBS	SEPT 1 - NOV 1	SEPT 1 - NOV 1	--
PEANUT HULLS	10-20 TON (450 LBS - 900 LBS)	WILL WASH OFF SLOPES. TREAT WITH 12 LBS. NITROGEN/TON.	CRIMSON CLOVER	10 LBS	SEPT 1 - NOV 1	SEPT 1 - NOV 1	SEPT 1 - NOV 1	SERICEA	40 - 60 LBS	MAR 15 - JULY 15	MAR 1 - JULY 15	FEB 15 - JULY 15
								SERICEA & COMMON BERMUDAGRASS	40 - 60 LBS 10 LBS	MAR 15 - JULY 15	MAR 1 - JULY 15	FEB 15 - JULY 15
								SWITCHGRASS, ALAMO	4 LBS	APR 1 - JUN 15	MAR 15 - JUN 15	MAR 15 - JUN 15

NOTES:

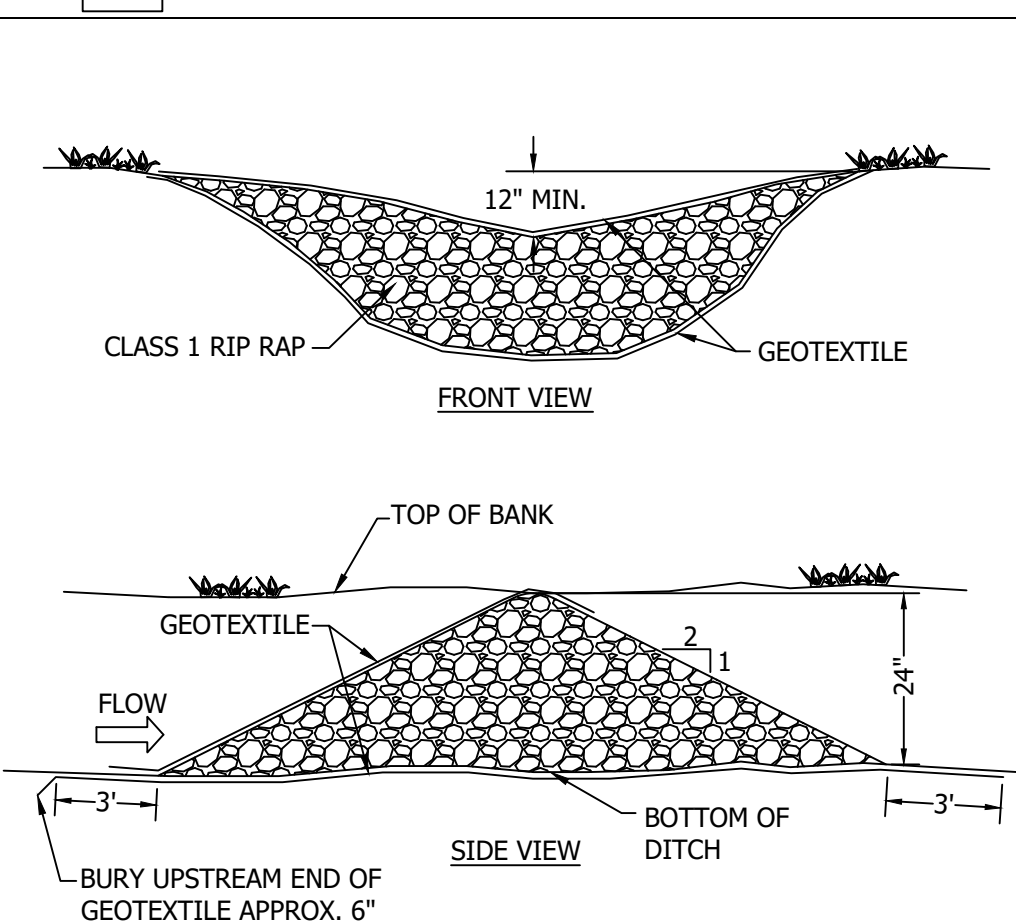
- ANY DISTURBED AREA MUST BE PLANTED OR OTHERWISE PROVIDED WITH GROUND COVER, MATERIALS, DEVICES, AND/OR STRUCTURES SUFFICIENT TO RESTRAIN ALL FORMS OF EROSION, TO THE MAXIMUM EXTENT PRACTICABLE WITHIN FOURTEEN (14) DAYS OF STOPPING WORK.
- CONTRACTOR TO COORDINATE PERMANENT SEEDING WITH OWNER.
- PLS MEANS PURE LIVE SEED AND IS USED TO ADJUST SEEDING RATES. FOR EXAMPLE: TO PLANT 10 LBS PLS OF A SPECIES WITH GERMINATION OF 80% AND 10% INERT MATERIAL -> 10 LBS / 0.70 = 14.3 LBS.

MU TS PS MULCHING, TEMPORARY SEEDING, & PERMANENT SEEDING TABLES

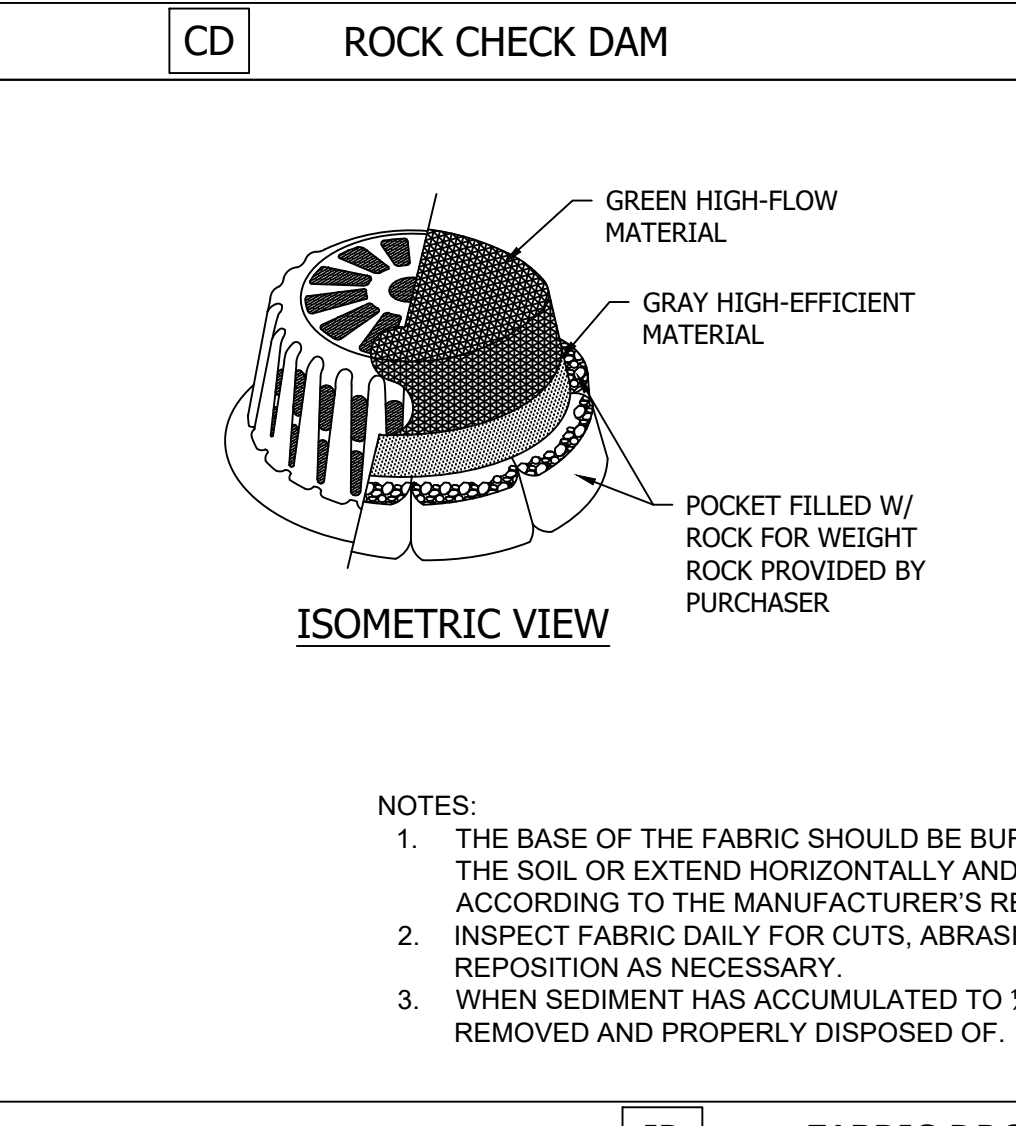


NOTE: INSTALL GEOTEXTILE FABRIC UNDER THE #1 STONE TO EXTEND THE LIFE OF THE ENTRANCE.

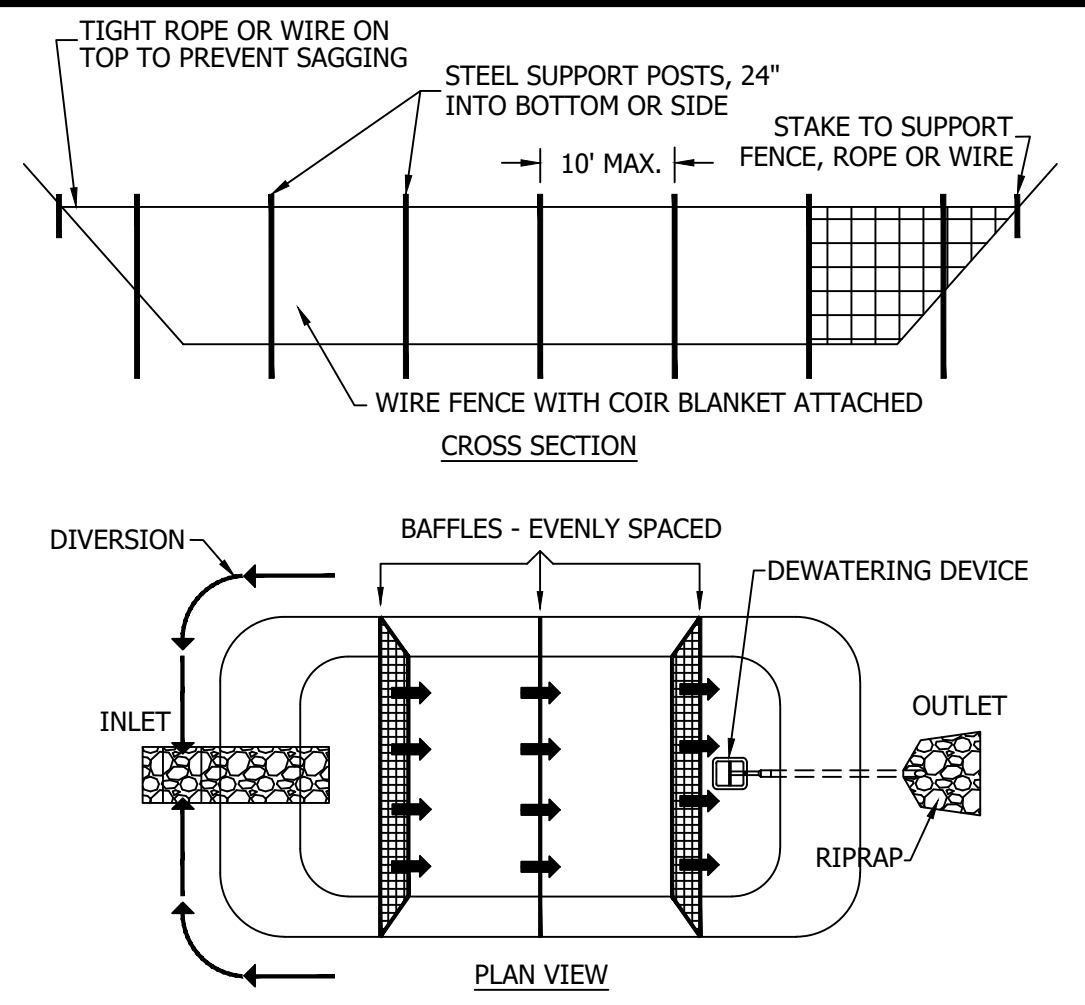
CEP CONSTRUCTION EXIT PAD



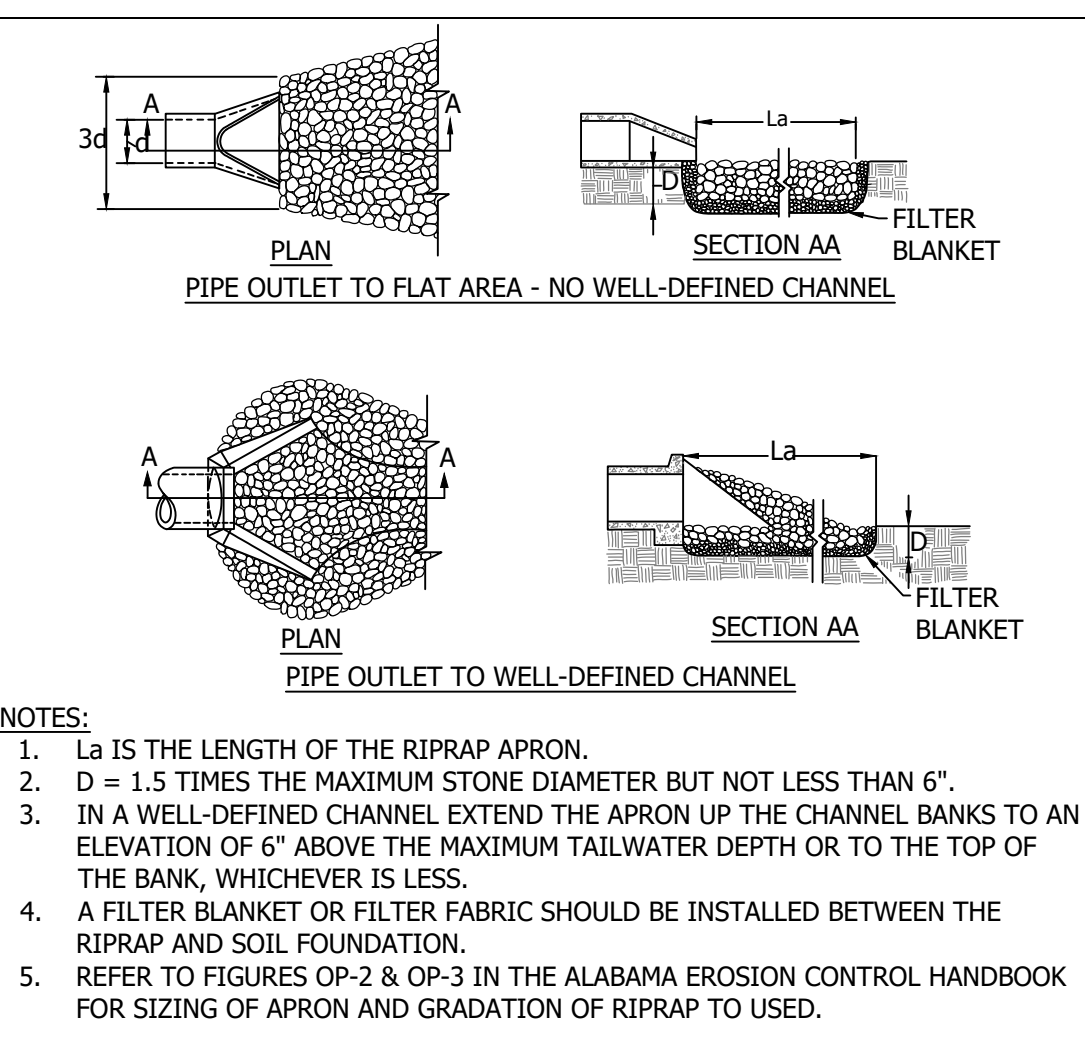
CD ROCK CHECK DAM



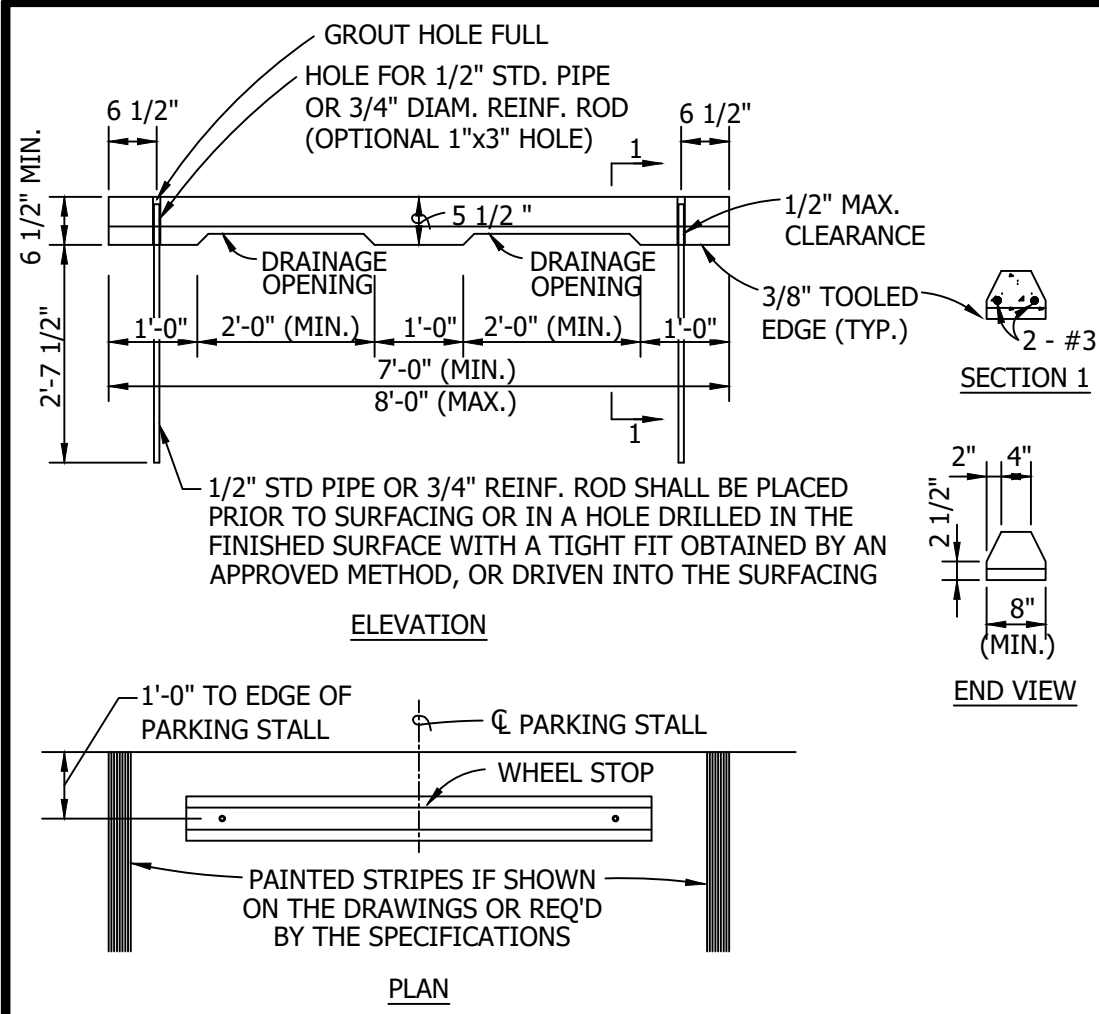
IP FABRIC DROP INLET PROTECTION



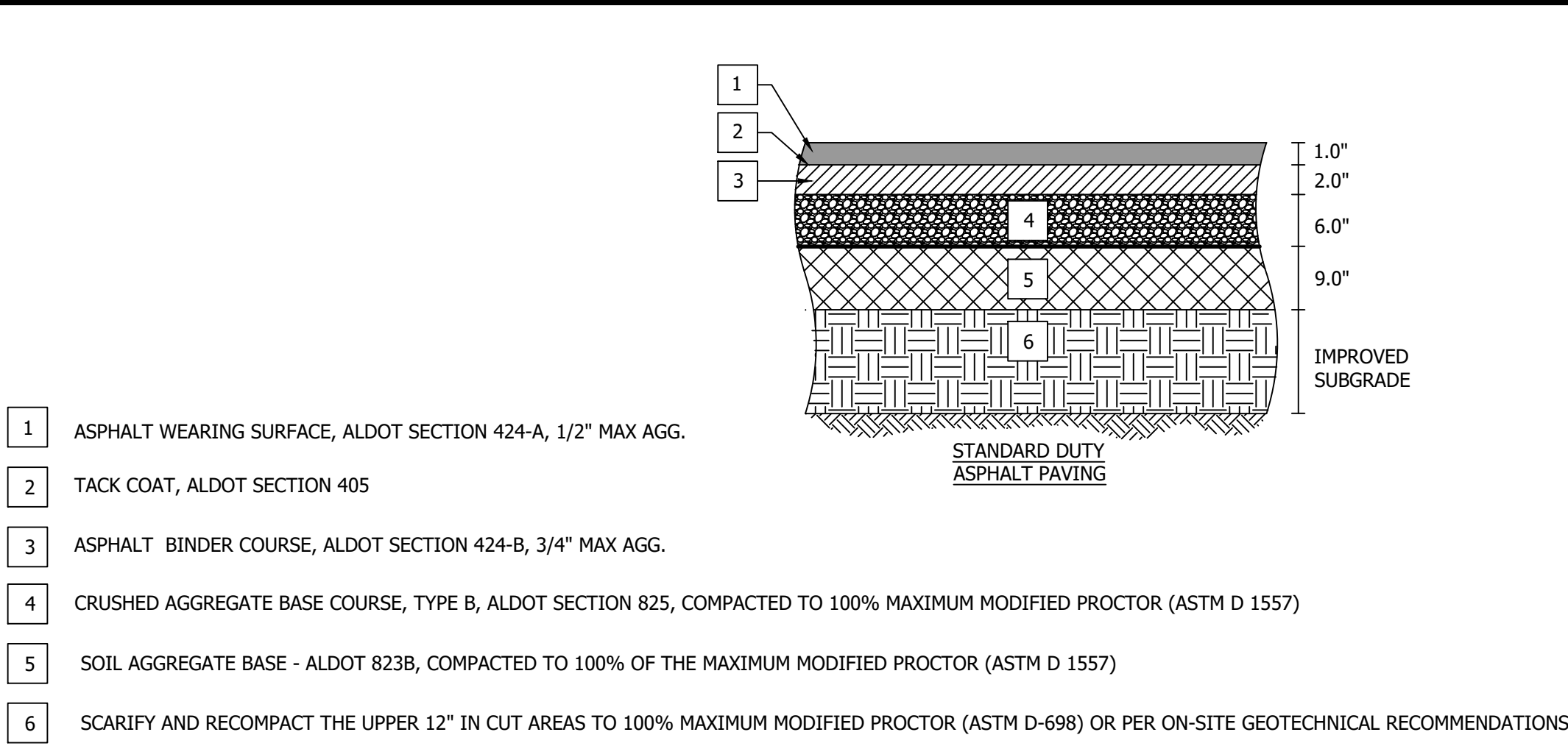
OP OUTLET PROTECTION



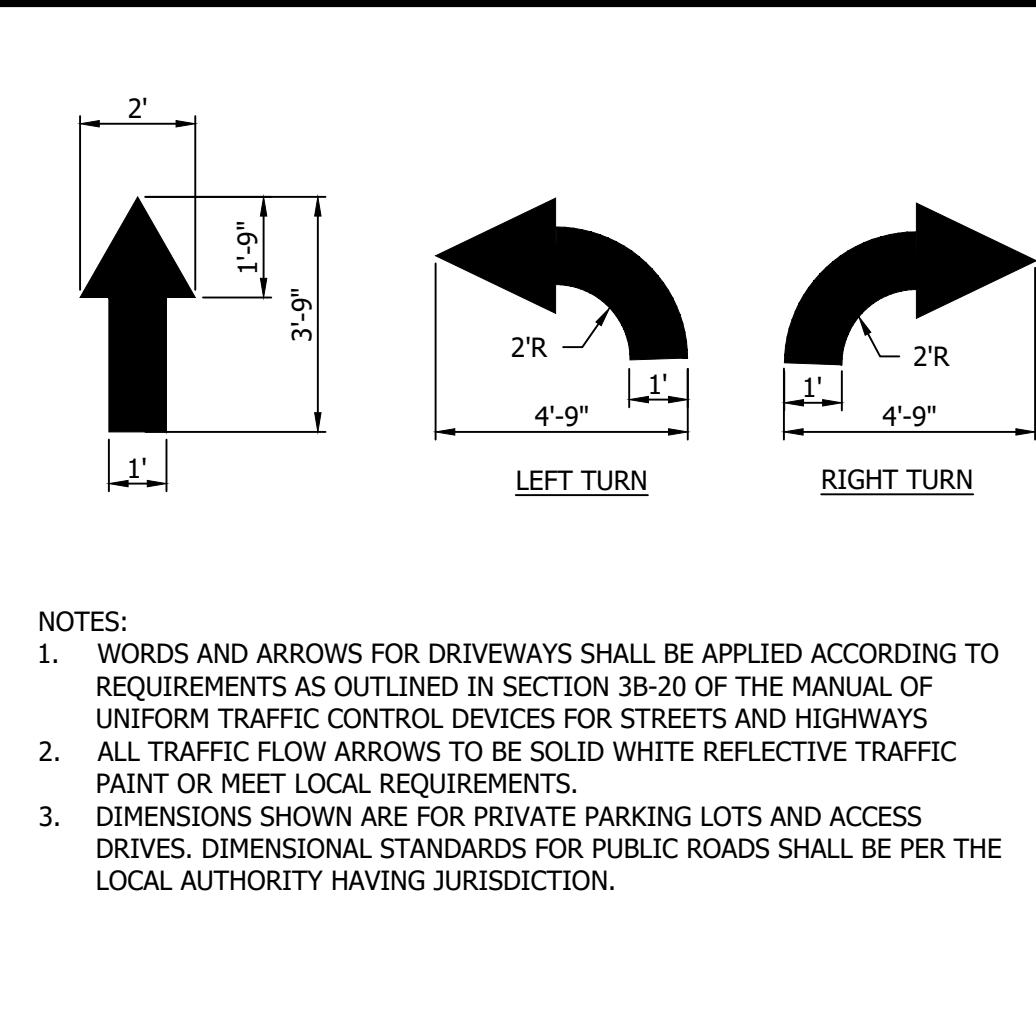
OP OUTLET PROTECTION



PRECAST CONCRETE WHEEL STOP



ASPHALT PAVING



PAVEMENT STRIPING DIRECTIONAL ARROWS

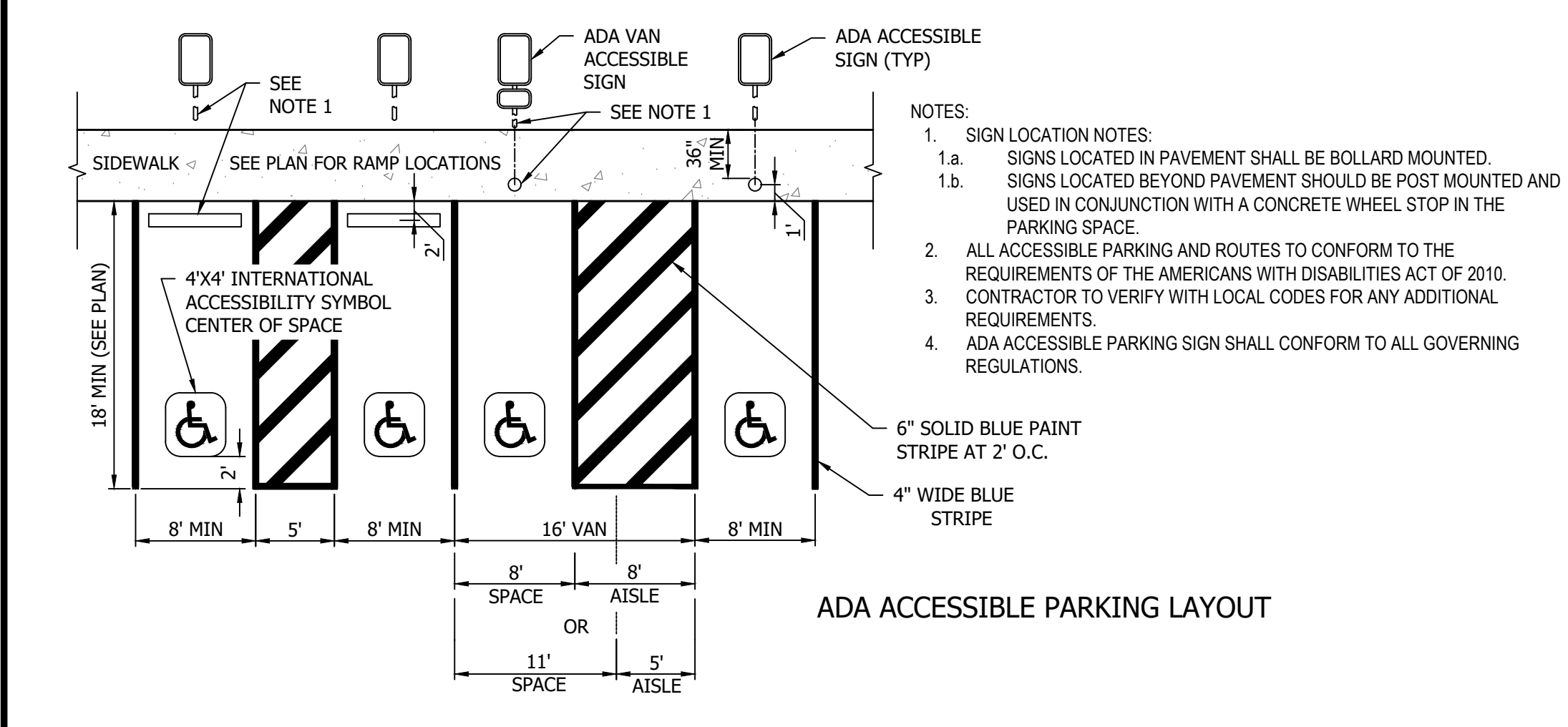


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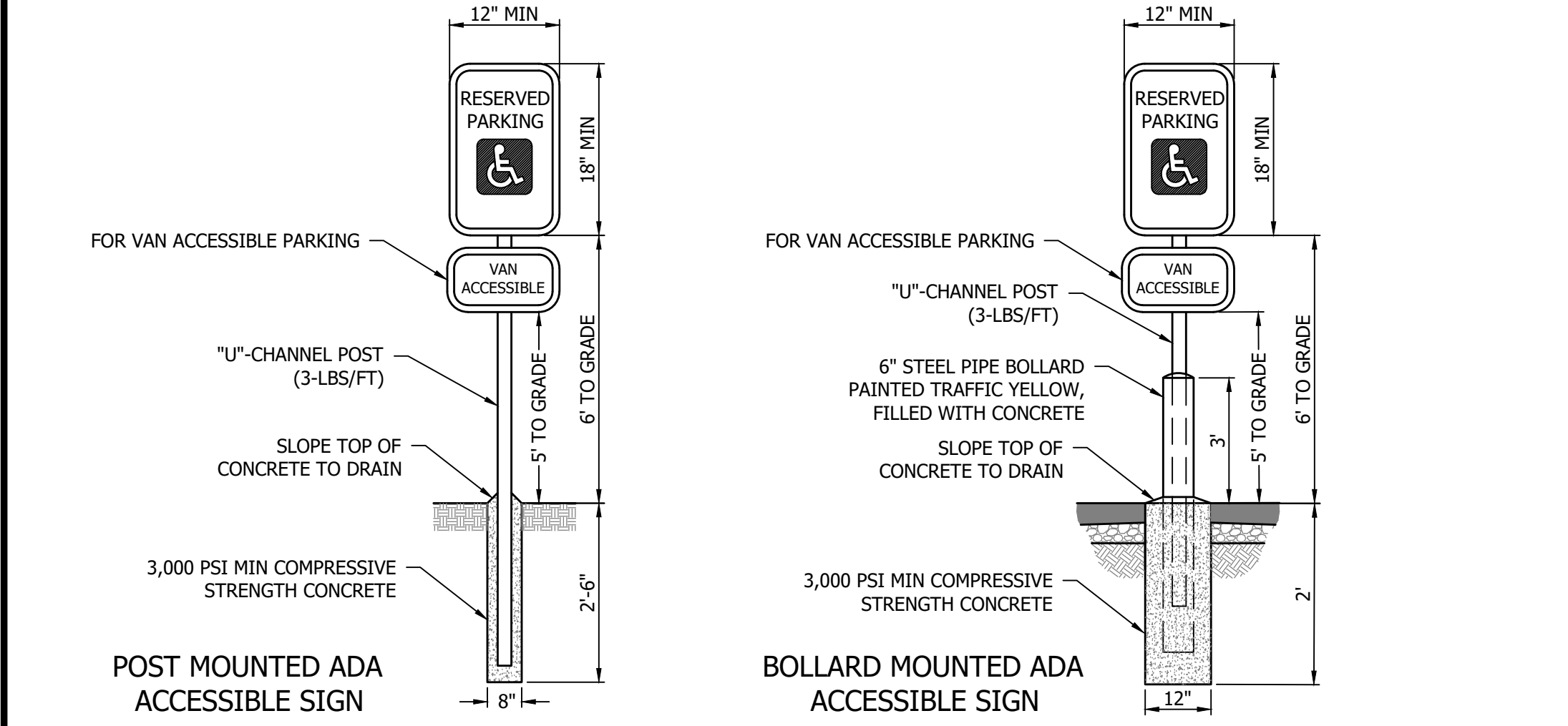
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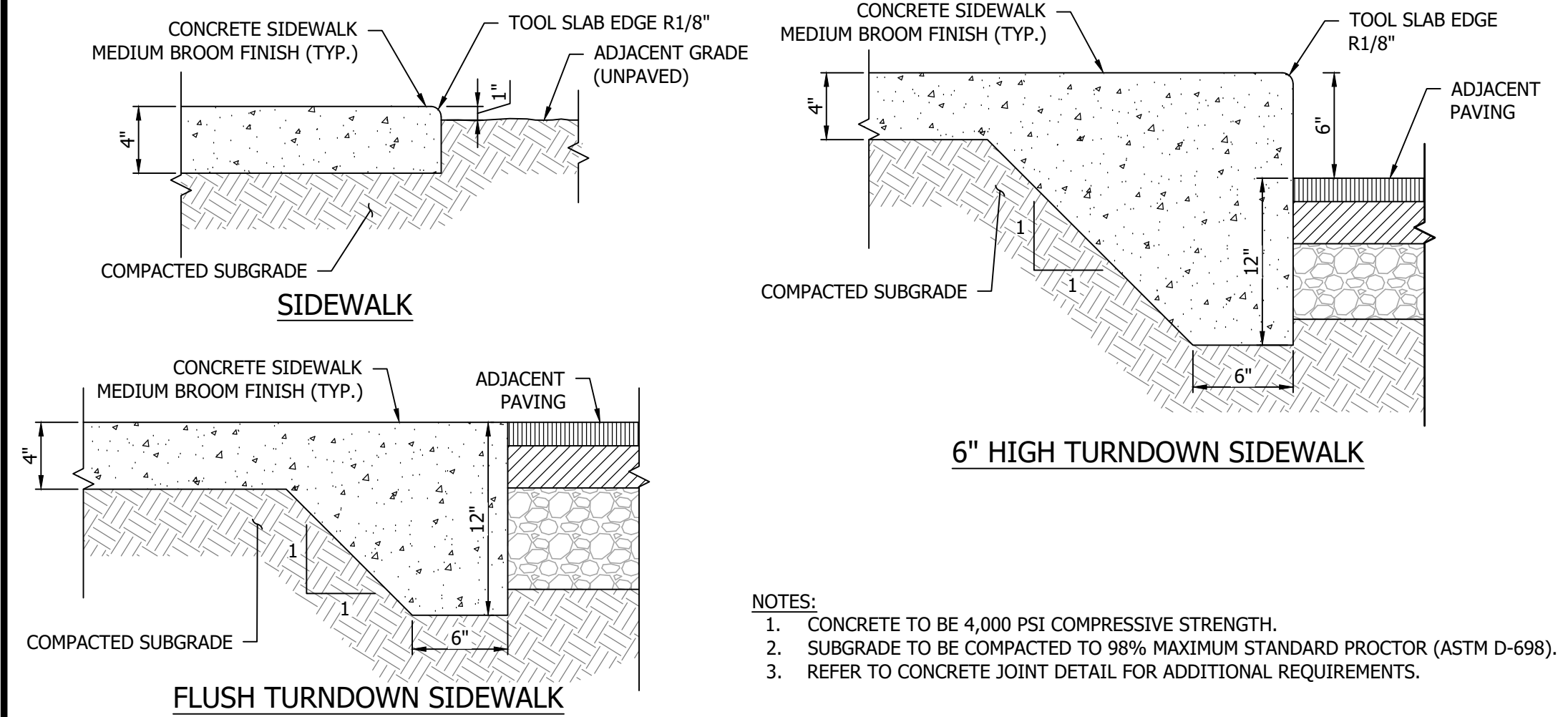
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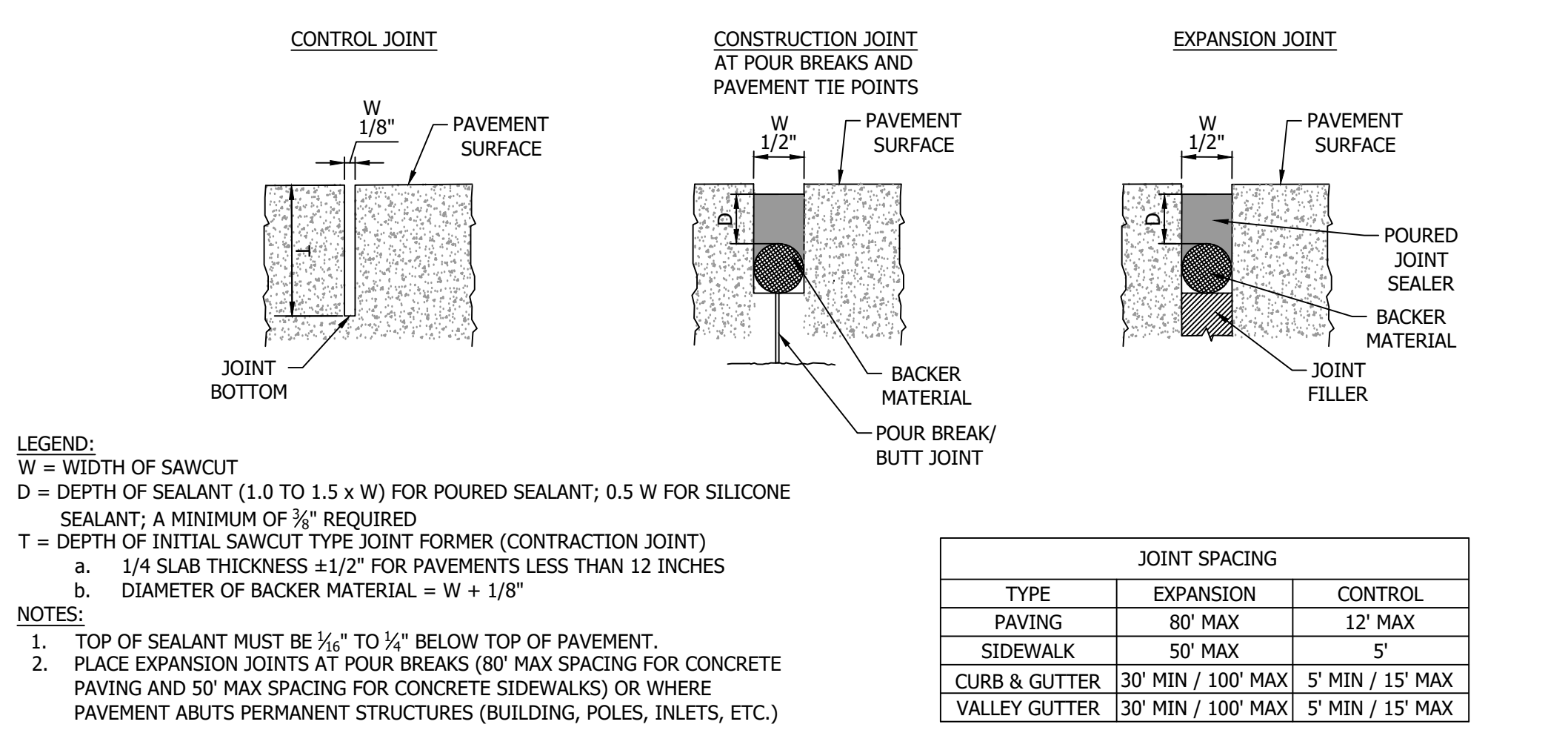
ADA ACCESSIBLE PARKING LAYOUT



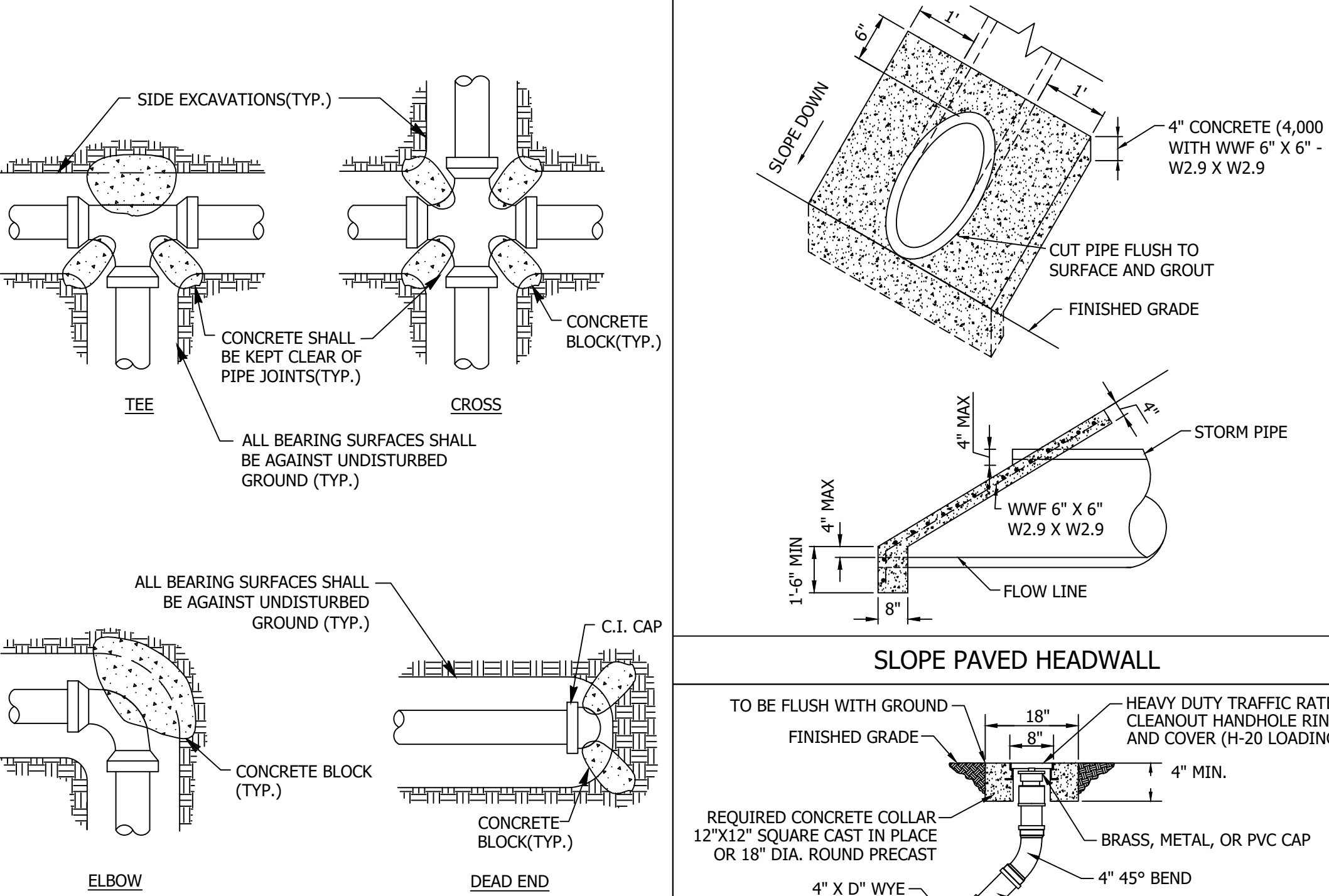
ADA ACCESSIBLE PARKING & SIGNAGE



CONCRETE SIDEWALK

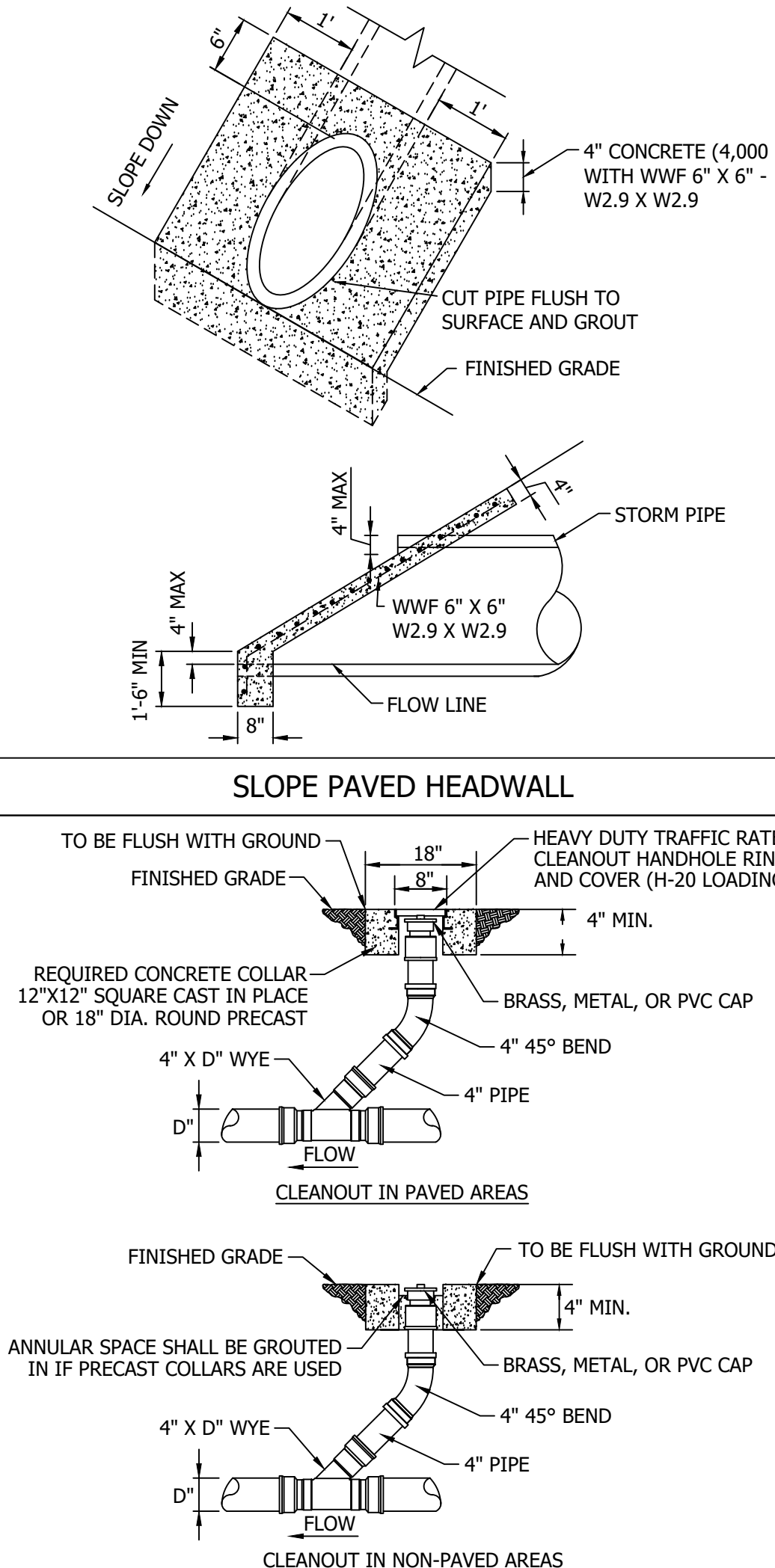


CONCRETE JOINTS

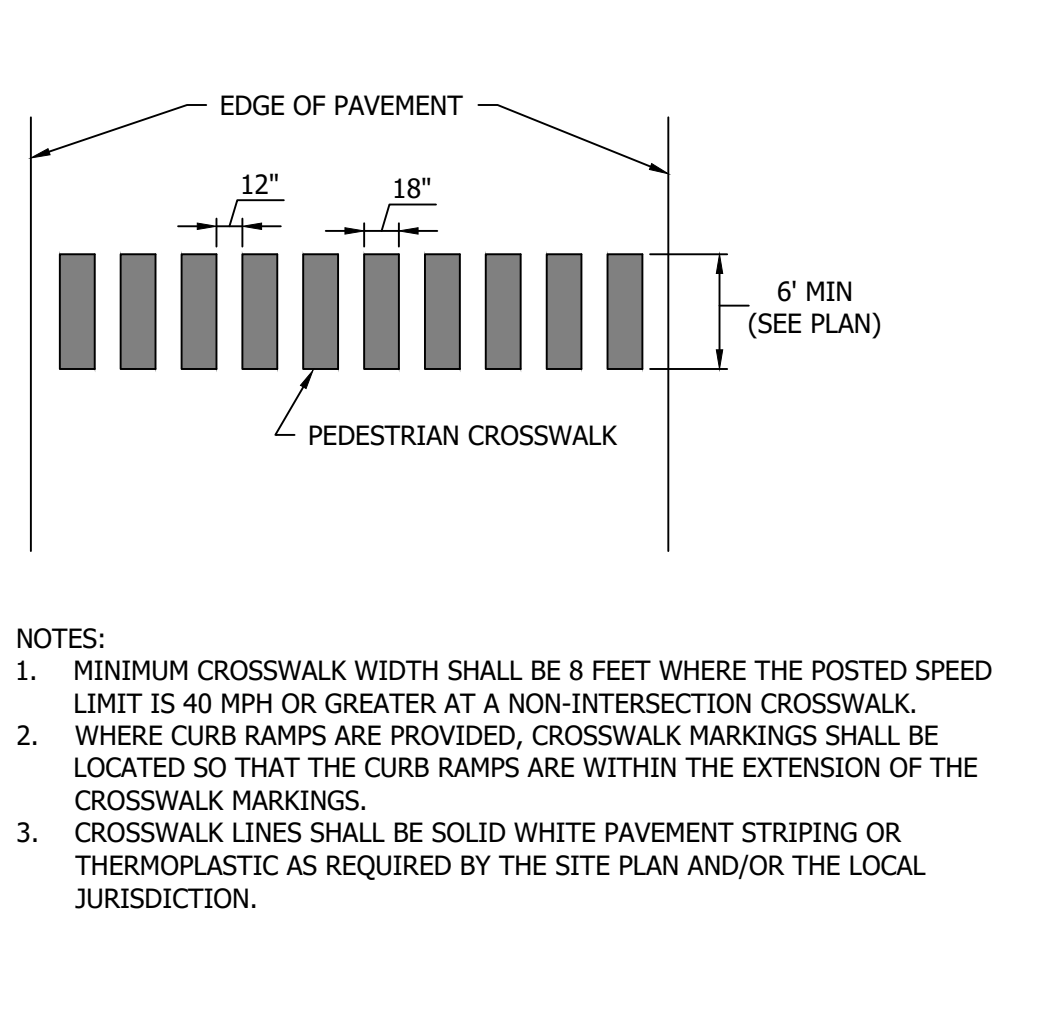


THRUST BLOCK

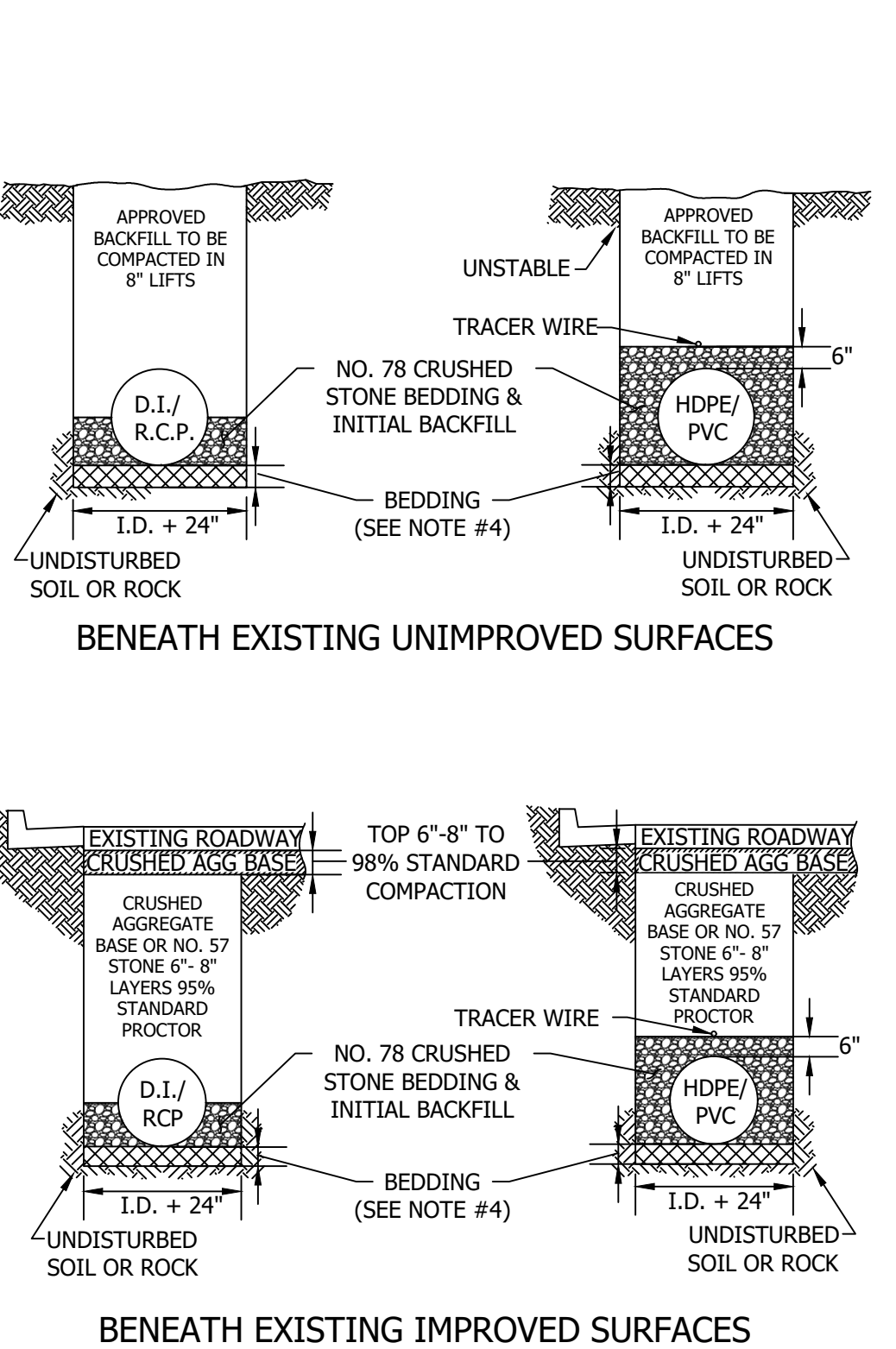
BEARING AREAS EACH DIRECTION OF THRUST IN SQUARE FEET				
PIPE SIZE	TEES & DEADENDS	90° ELBOWS	45° ELBOW CROSSES IN DIRECTION OF FLOW	22-1/2° ELBOWS
6"	4.0	5.5	3.0	2.0
8"	7.0	9.5	5.0	3.0
10"	9.5	13.5	7.0	4.0
12"	13.5	19.0	10.0	5.0
14"	18.0	23.5	14.0	7.0
16"	23.0	33.0	18.0	9.0



SANITARY SEWER CLEANOUT



PEDESTRIAN CROSSWALK

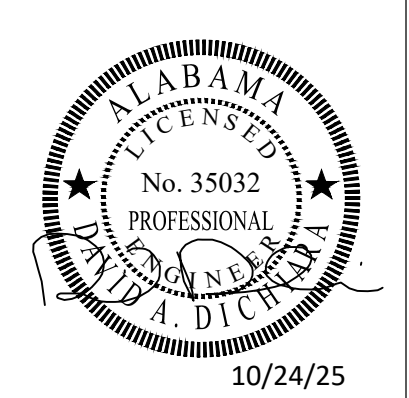


PIPE BEDDING

- NOTES:
- TRENCH WALL WIDTH VARIES BASED ON WALL STABILITY. STABLE TRENCH WALLS: WIDTH AS NEEDED TO JOIN PIPE AND COMPACT HAUNCHING AND INITIAL BACKFILL. UNSTABLE TRENCH WALLS: WIDTH TO BE A MINIMUM OF FIVE TIMES PIPE DIAMETER.
 - FLOWABLE FILL CAN BE USED AS BACKFILL, BUT MUST HAVE PRIOR APPROVAL AND MUST BE ALLOWED TO SETUP FOR 24 HOURS PRIOR TO TOPPING.
 - APPROVED BACKFILL MATERIAL INCLUDES CRUSHED AGGREGATE BASE, FLOWABLE FILL AND APPROVED DIRT. ALTERNATIVE MATERIAL MUST BE APPROVED BY PROJECT MANAGER PRIOR TO USE.
 - PIPE BEDDING MUST BE 4" THICK FOR 24"Ø AND LESS, AND 6" THICK FOR 30"Ø AND GREATER.

NEW EMA CENTER FOR
RUSSELL COUNTY, ALABAMA
5TH STREET SOUTH, PHOENIX CITY AL 36869
RUSSELL COUNTY COMMISSION

SHEET TITLE:
CONSTRUCTION DETAILS

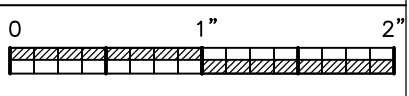


PROJ. MGR.: D. DICHAIRA
DRAWN: W. FULMER
DATE: 10/24/2025
REVISIONS

JOB NO. **25-13**

SHEET NO:
C5.0

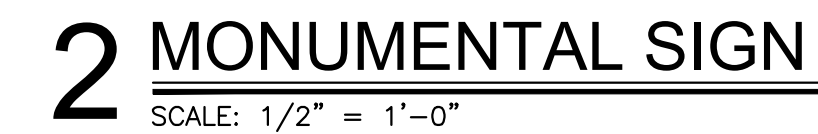
9 OF 9





RUSSELL COUNTY, ALABAMA
5TH STREET SOUTH, PHENIX CITY AL 36869
RUSSELL COUNTY COMMISSION

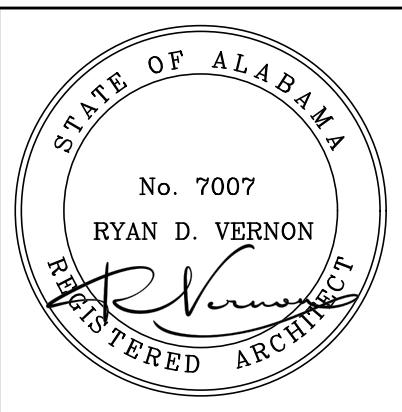
STATE OF ALABAMA
No. 7007
RYAN D. VERNON
REGISTERED ARCHITECT





NEW EMA CENTER FOR
RUSSELL COUNTY, ALABAMA
 5TH STREET SOUTH, PHENIX CITY AL 36869
 RUSSELL COUNTY COMMISSION

SHEET TITLE:
OVERALL FLOOR PLAN



PROJ. MGR.: R. VERNON

DRAWN: ELM

DATE: 10-24-2025

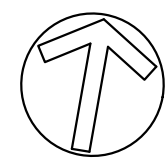
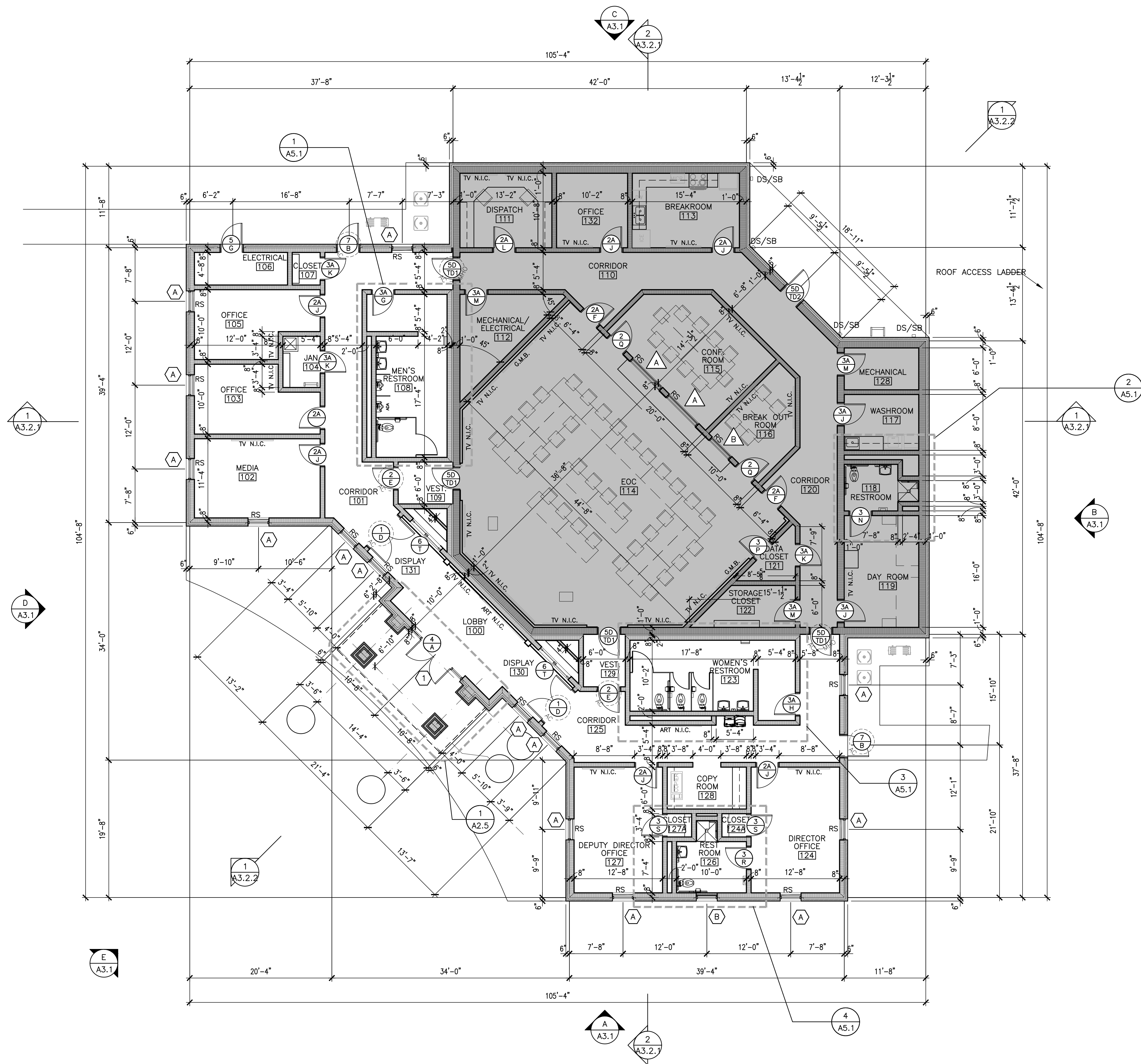
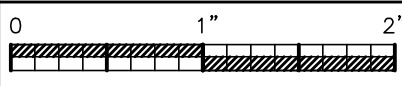
REVISIONS

JOB NO. 25-13

SHEET NO:

A2.1

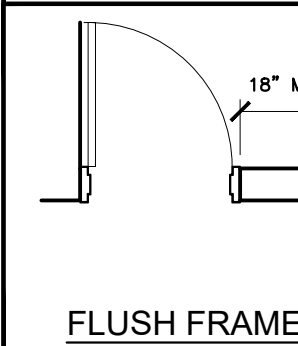
2 OF 24



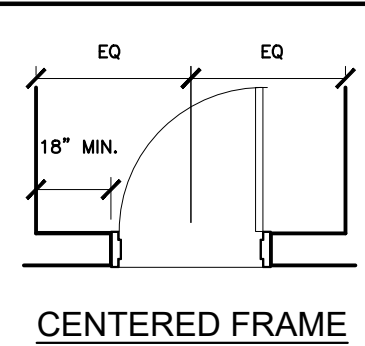
1 OVERALL FLOOR PLAN

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

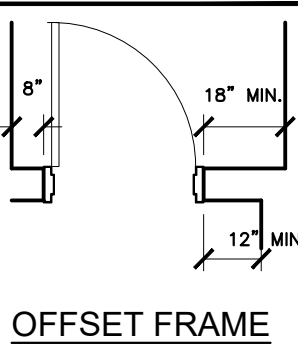
DOOR PLACEMENT LEGEND



FLUSH FRAME



CENTERED FRAME

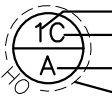
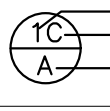
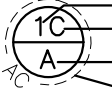
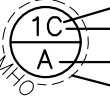
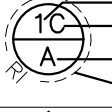
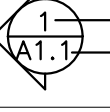
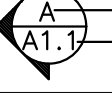
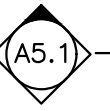
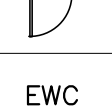
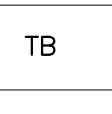
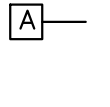
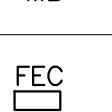
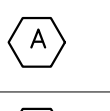
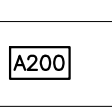
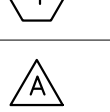
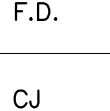
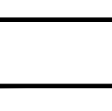
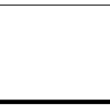


OFFSET FRAME

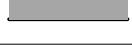
DOOR FIRE RATING LEGEND

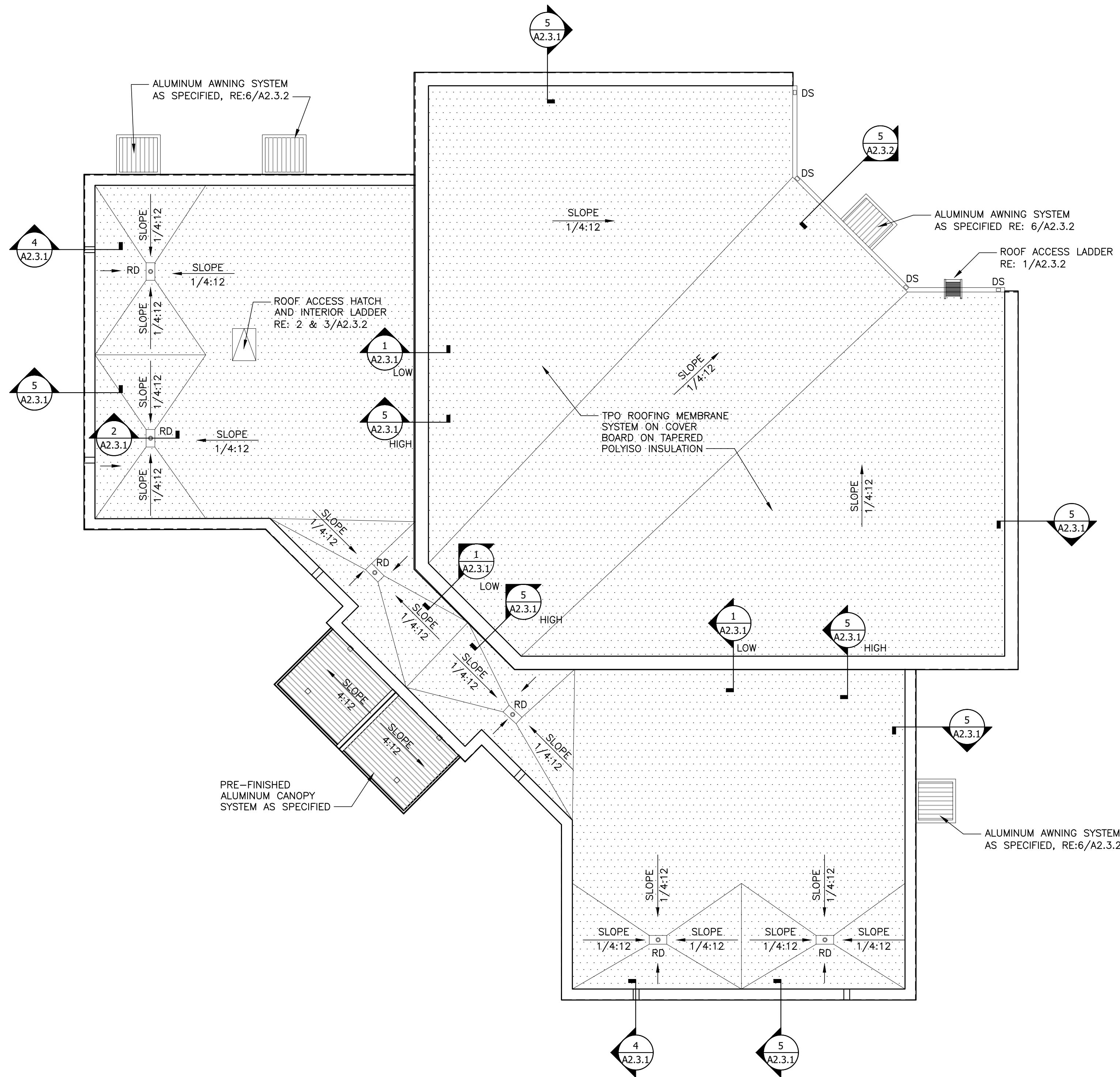
DOOR TYPE	(2)	NO RATING
DOOR TYPE + A	(2A)	20 MINUTE RATING
DOOR TYPE + B	(2B)	45 MINUTE RATING
DOOR TYPE + C	(2C)	60 MINUTE RATING
DOOR TYPE + D	(2D)	90 MINUTE RATING
DOOR TYPE + E	(2E)	180 MINUTE RATING

SYMBOLS LEGEND

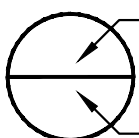
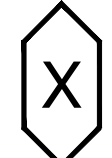
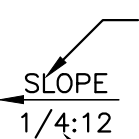
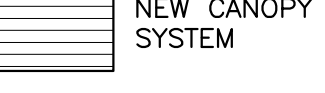
	DOOR TYPE DOOR RATING HARDWARE SYMBOL HOLD OPEN		DOOR TYPE DOOR RATING HARDWARE SYMBOL
	DOOR TYPE DOOR RATING HARDWARE SYMBOL ACCESS CONTROL		DOOR TYPE DOOR RATING HARDWARE SYMBOL MANUAL HOLD OPEN
	DOOR TYPE DOOR RATING HARDWARE SYMBOL ROUGH IN ELECTRICAL		SECT. MARK SHEET NUMBER
	ELEV. MARK SHEET NUMBER		5 ELEV. MARK — SHEET NUMBER
	NEW DOOR AND SWING	INTERIOR ELEVATION	
	ELECTRIC WATER COOLER		TYPE 'A' FOR NEW WALLS NOT KEYPED. CONTACT ARCHITECT FOR ALL INQUIRIES
	TACK BOARD		<u>WALL PARTITION TYPE</u> EXTERIOR WINDOW
	MARKER BOARD		STOREFRONT
	RECESSED FIRE EXTINGUISHER CABINET WITH EXTINGUISHER		INTERIOR WINDOW
	ROOM NUMBER		AREA OF STORM SHELTER
	EXPANSION JOINT		FLOOR DRAIN
	SURFACE MOUNT FIRE EXTINGUISHER		CONTROL JOINT
	WINDOW ROLLER SHADE (INSIDE FRAME)		

WALL TYPE LEGEND

	NEW 4" BRICK VENEER W/ AIR SPACE AND RIGID INSULATION ON REINFORCED CMU WITH DAMP-PROOFING, PROVIDE BRICK WALL TIES @ 16" O.C.
EXTERIOR WALL	
	NEW 4" BRICK VENEER W/ AIR SPACE AND RIGID INSULATION ON REINFORCED 12" REINFORCED CMU WITH DAMPROOFING, PROVIDE BRICK WALL TIES @ 16" O.C., SEE STRUCTURAL
EXTERIOR WALL (STORM SHELTER)	
	8" OR 12" CONCRETE MASONRY WALL. SEE PLAN FOR WALL WIDTH CHANGES. SEE LIFE SAFETY PLAN FOR FIRE RATING
CMU WALL	
	8" OR 12" CONCRETE MASONRY WALL WITH 3-5/8" METAL STUDS AT 16" O.C. WITH 5/8" GYPSUM BOARD
CMU WALL	
	8" OR 12" CONCRETE MASONRY WALL, WITH 5/8" GYPSUM BOARD LAMINATED TO CMU
CMU WALL	
	12" REINFORCED CONCRETE MASONRY WALL AT STORM SHELTER, SEE STRUCTURAL
CMU WALL (STORM SHELTER)	
	FIRE RATED 8" OR 12" CONCRETE MASONRY WALL. SEE LIFE SAFETY PLAN FOR UL DESIGN
1 HOUR CMU WALL	
	FIRE RATED 8" OR 12" CONCRETE MASONRY WALL. SEE LIFE SAFETY PLAN FOR UL DESIGN
2 HOUR CMU WALL	
	FIRE RATED 8" OR 12" CONCRETE MASONRY WALL. SEE LIFE SAFETY PLAN FOR UL DESIGN
3 HOUR CMU WALL	
	FIRE RATED 8" OR 12" CONCRETE MASONRY WALL. SEE LIFE SAFETY PLAN FOR UL DESIGN
4 HOUR CMU WALL	
	8" OR 12" CONCRETE MASONRY WALL WITH SOUND ATTENUATION
SOUND ATTENUATION PARTITION	



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

ROOF LEGEND			
	DETAIL NUMBER		AREA OF WORK
	ROOF DETAIL MARKER		NEW TPO ROOF SYSTEM
	DIRECTION OF DOWNWARD SLOPE		NEW CANOPY SYSTEM
	RISE:RUN ROOF SLOPE MARKER		
TYP	TYPICAL	RD	ROOF DRAIN
N.I.C.	NOT IN CONTRACT	PP	PIPE PENETRATION
RS	ROOF SCUPPER	EJ	EXPANSION JOINT
SP	SPLASH PAN	CR	CRICKET
BT	BOOT		

ROOF GENERAL NOTES	
1. EACH INDIVIDUAL EQUIPMENT CONDITION ETC. MAY NOT HAVE A DETAIL DESIGNATION BUBBLE FOR CLARITY PURPOSES, HOWEVER, EACH DETAIL APPLIES TO ALL EQUIPMENT, CONDITIONS, ETC. OF THAT TYPE.	
2. CONTRACTOR TO COORDINATE LOCATIONS OF ROOF PENETRATIONS WITH ENGINEERING AND/OR ARCHITECT. ROOFING CONTRACTOR SHALL MAINTAIN SINGLE SOURCE RESPONSIBILITY FOR WEATHER TIGHTNESS OF ROOF PENETRATIONS AS PART OF ROOFING SYSTEM ENVELOPE.	
3. PROVIDE CRICKET ON UP-SLOPE SIDE OF ALL CURBS OVER 30".	
4. ALL MATERIALS SHALL BE NEW EXCEPT WHERE NOTED OTHERWISE.	
5. DO NOT CONCENTRATE MATERIAL LOADS ON THE ROOF.	
6. REMOVE AND LEGALLY DISPOSE OF ALL CONSTRUCTION DEBRIS FROM ROOF AND GROUNDS DAILY.	

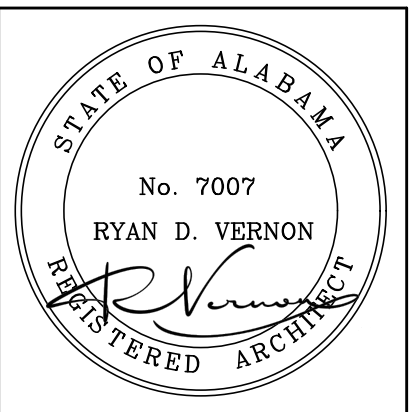
TPO ROOF SCOPE OF WORK	
1. PROVIDE POLYISOCYANURATE INSULATION SYSTEM WITH 5" MINIMUM START FULLY ADHERED IN MANUFACTURER'S RECOMMENDED SEALANT AS SPECIFIED.	
2. PROVIDE COVER BOARD FULLY ADHERED IN MANUFACTURER'S APPROVED SEALANT AS SPECIFIED.	
3. PROVIDE ICE AND WATER SHIELD ALONG PARAPET WALLS AS INDICATED IN SPECIFICATIONS.	
4. PROVIDE TPO ROOFING SYSTEM AS SPECIFIED. INSTALL IN ACCORDANCE WITH SPECIFICATIONS AND MANUFACTURER'S RECOMMENDATIONS.	
5. PROVIDE FLASHING AS REQUIRED AT ALL MECHANICAL, PLUMBING, AND ELECTRICAL PENETRATIONS WHETHER INDICATED OR NOT. MAKE ALL PENETRATIONS WEATHER TIGHT COORDINATE WITH ENGINEERING.	
6. PROVIDE PREFINISHED SHEET METAL AND FLASHING COMPONENTS INCLUDING: EDGE METAL, PIPE FLASHING, EAVE DRIPS, COPING CAPS, REGLET FLASHING, ETC.	



LATHAN
McKEE
ARCHITECTS

NEW EMA CENTER FOR
RUSSELL COUNTY, ALABAMA
5TH STREET SOUTH, PHOENIX CITY AL 36869
RUSSELL COUNTY COMMISSION

SHEET TITLE:
TYPICAL ROOF DETAILS



PROJ. MGR.: R. VERNON

DRAWN: ELM

DATE: 10-24-2025

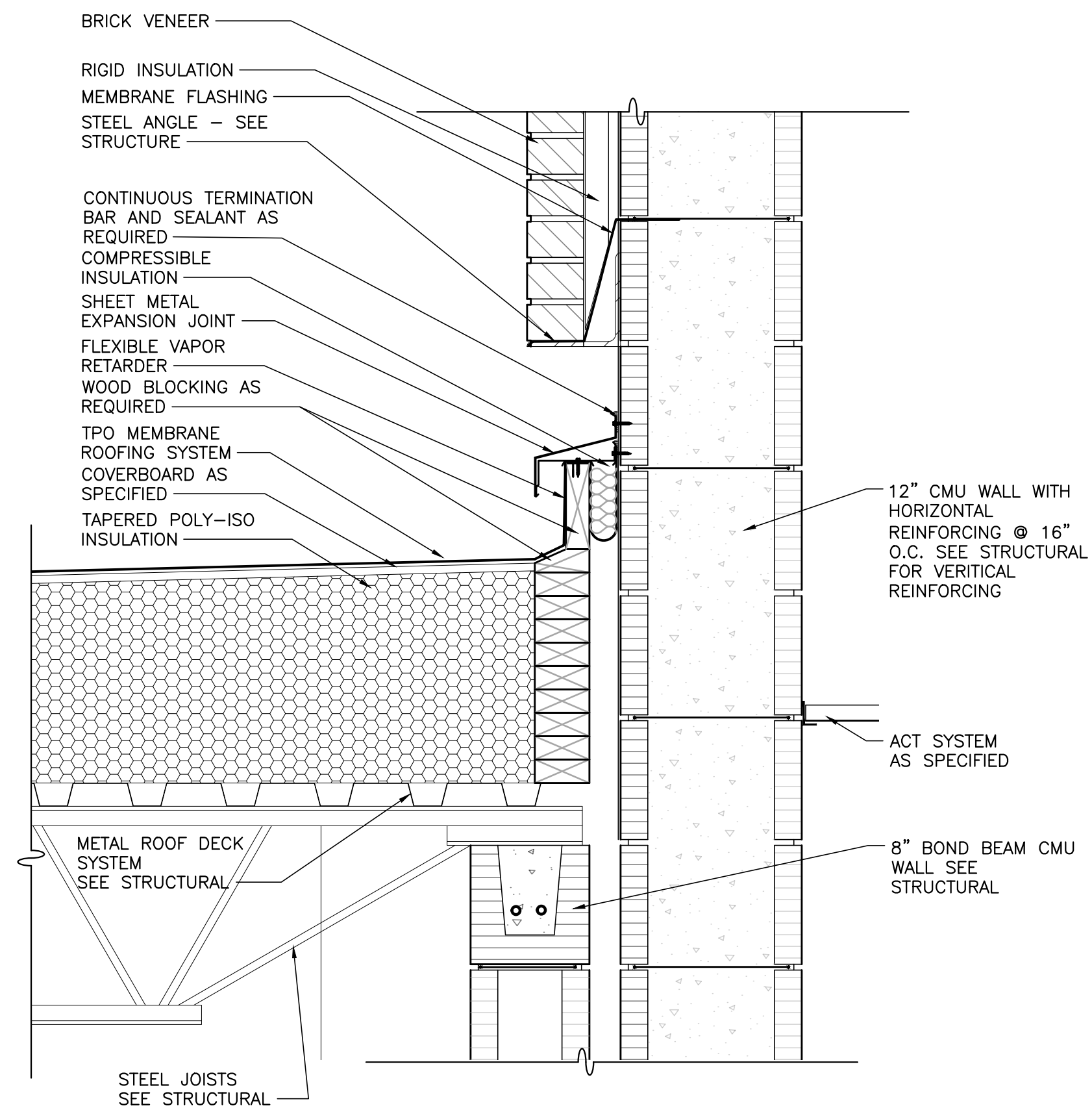
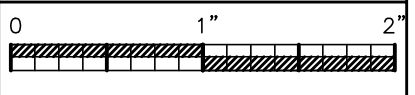
REVISIONS

JOB NO. 25-13

SHEET NO:

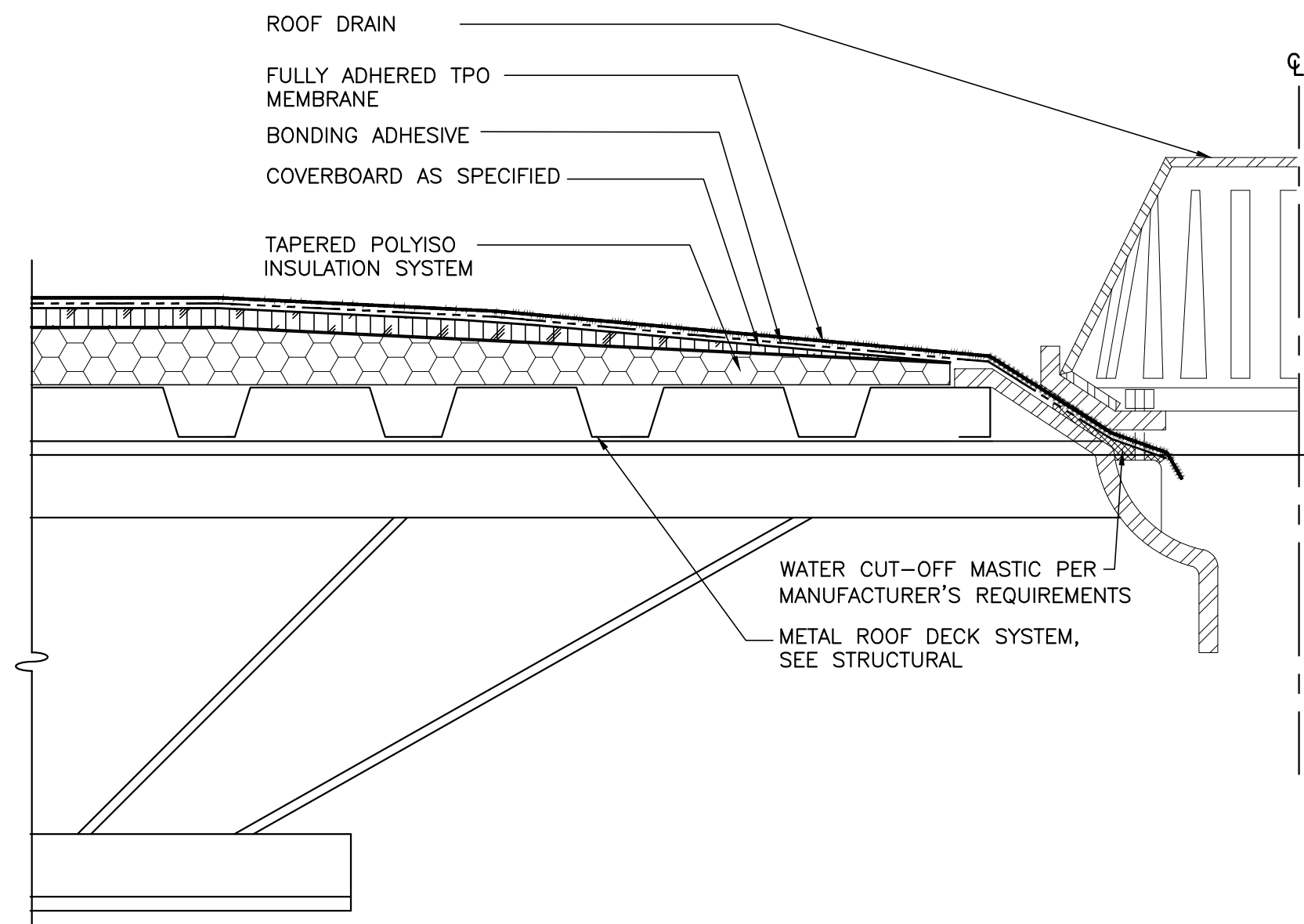
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4 OF 24



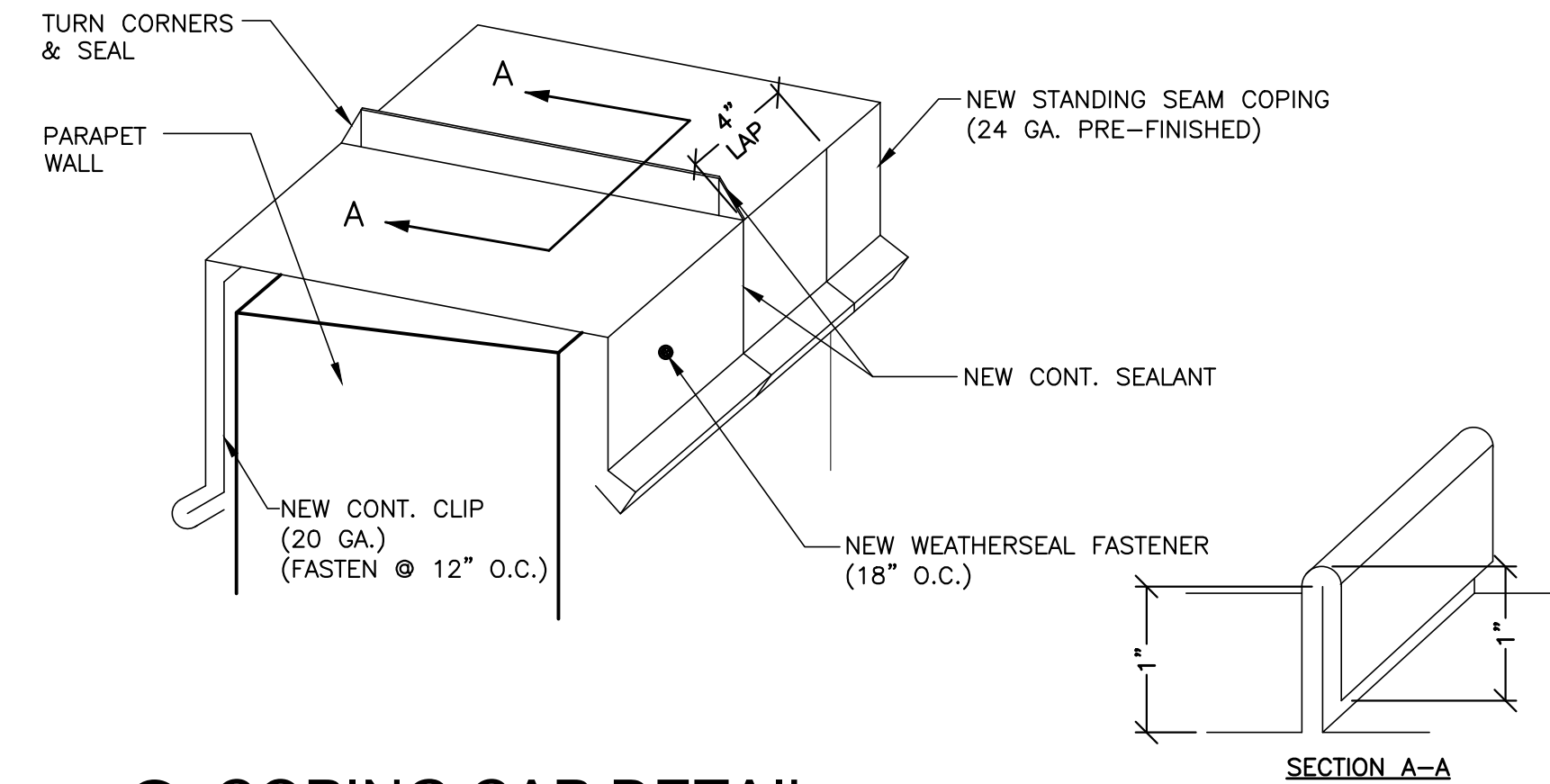
1 ROOF TO WALL DETAIL

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



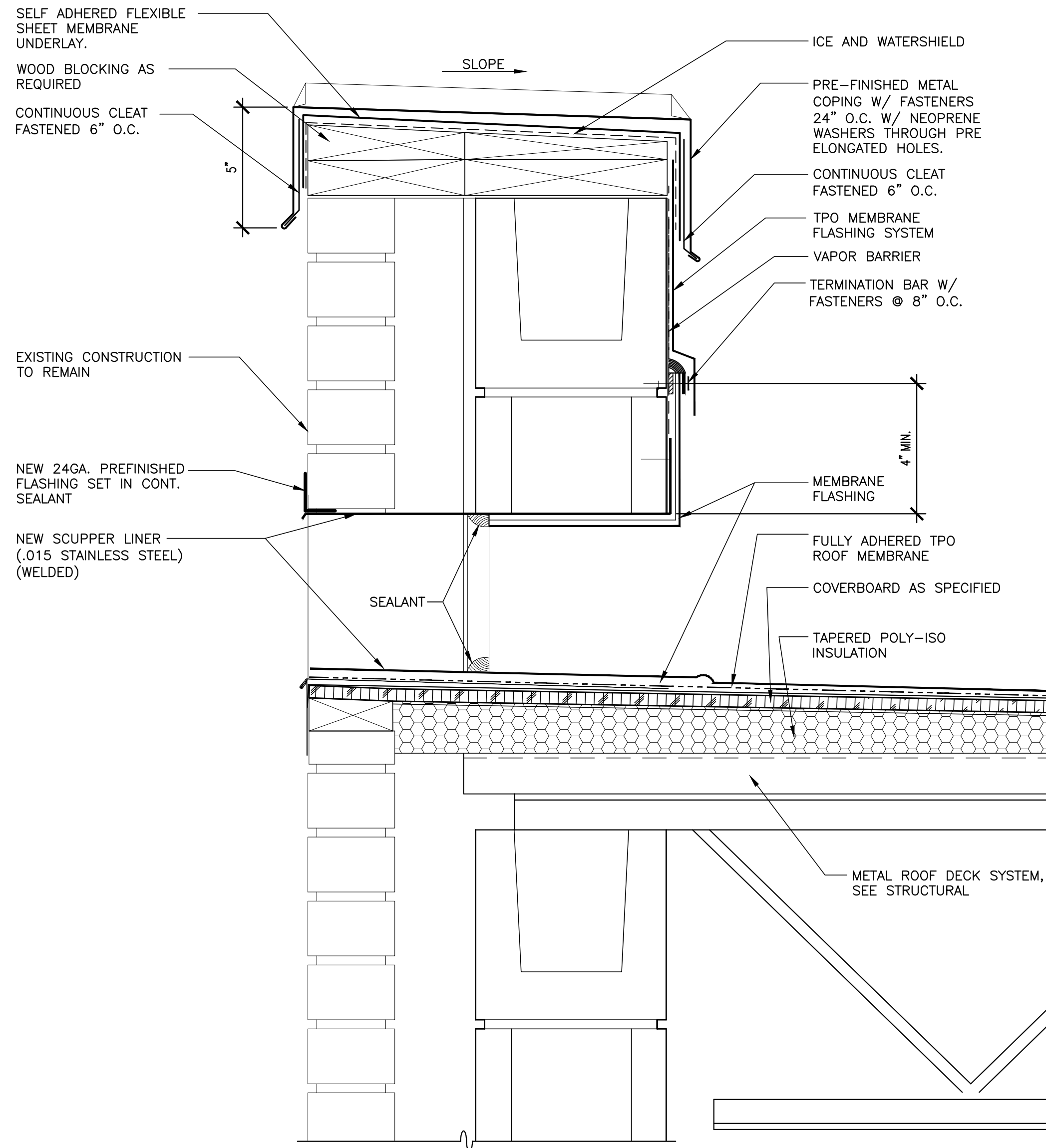
2 ROOF DRAIN DETAIL

SCALE: 3" = 1'-0"



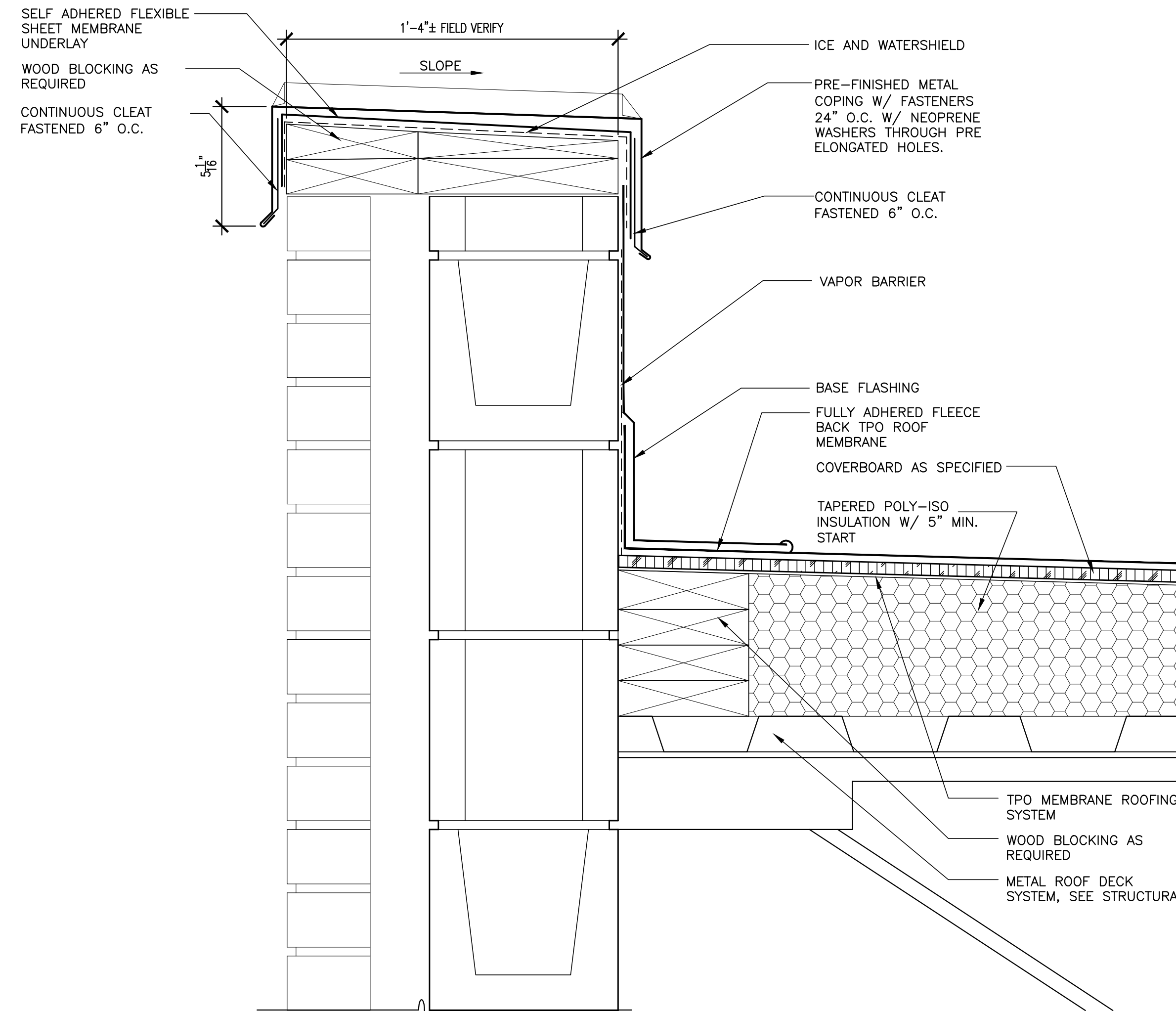
3 COPING CAP DETAIL

SCALE: 3" = 1'-0"



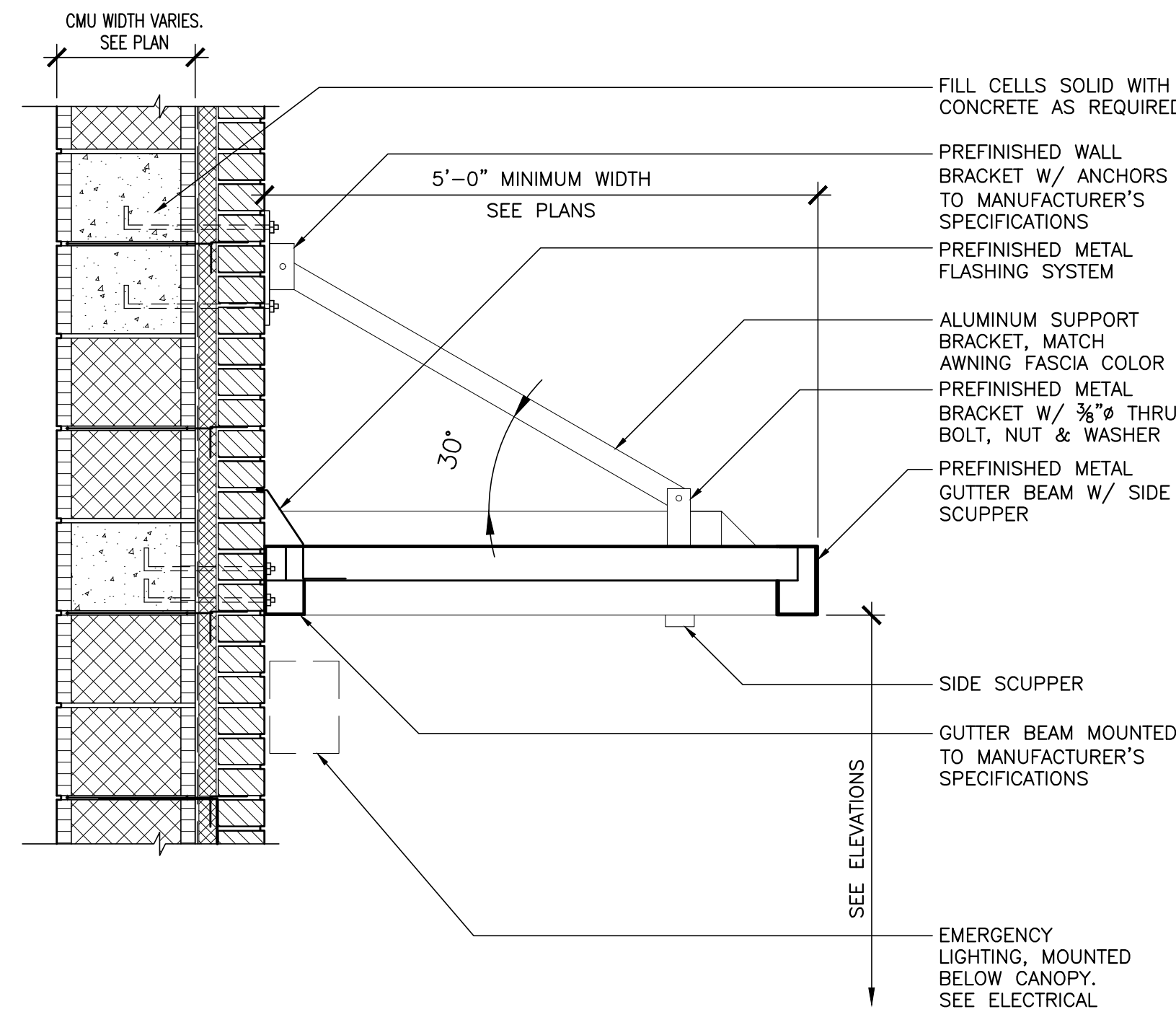
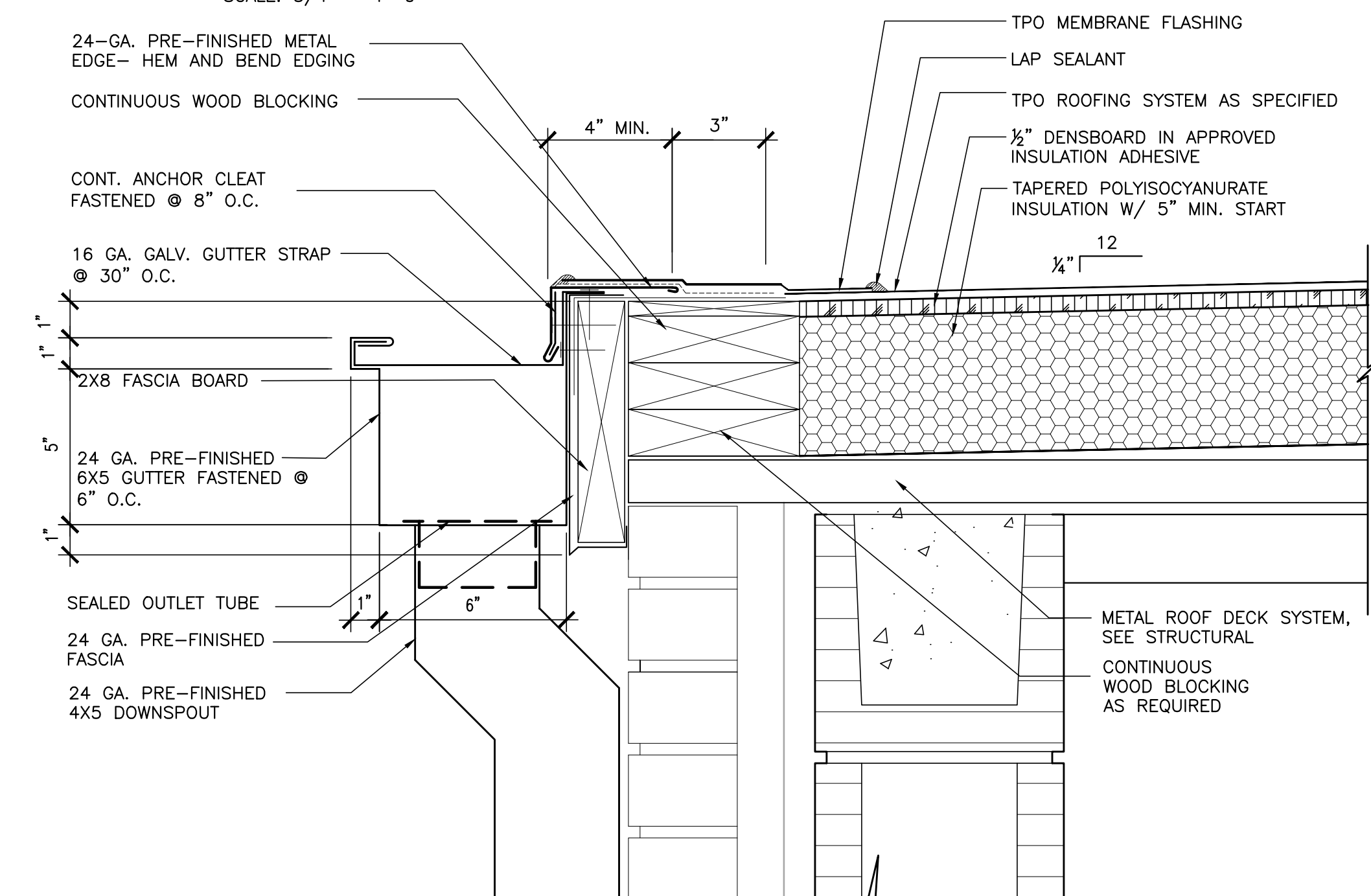
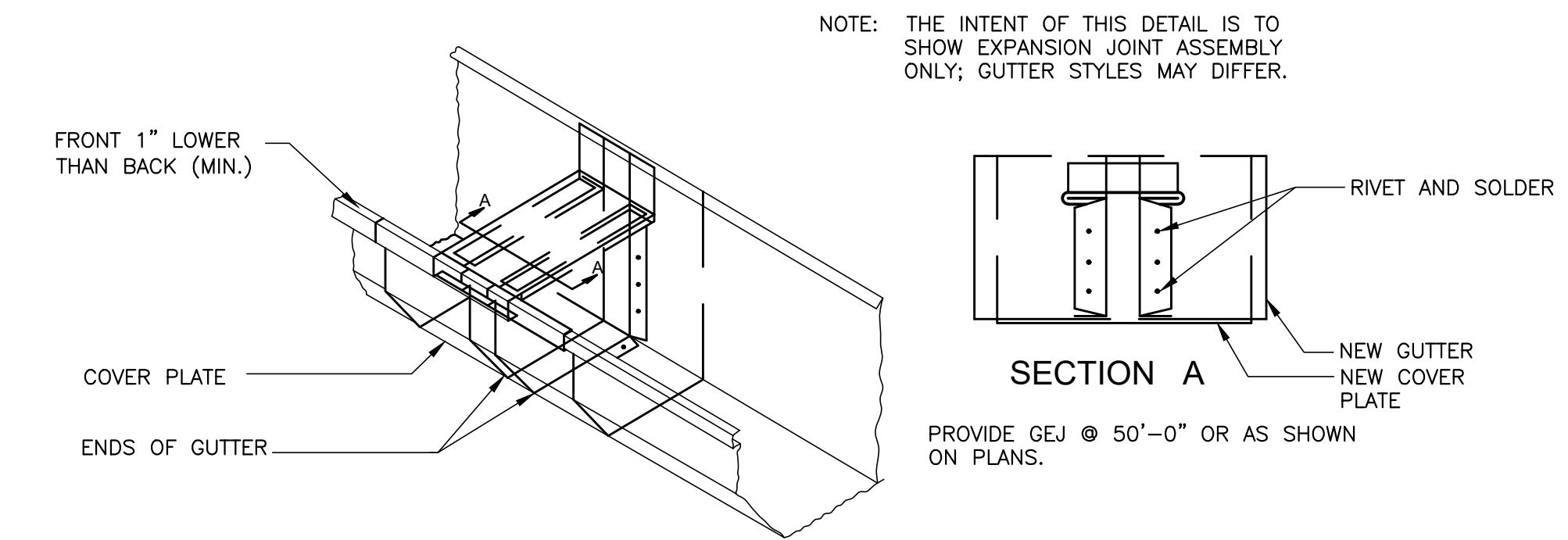
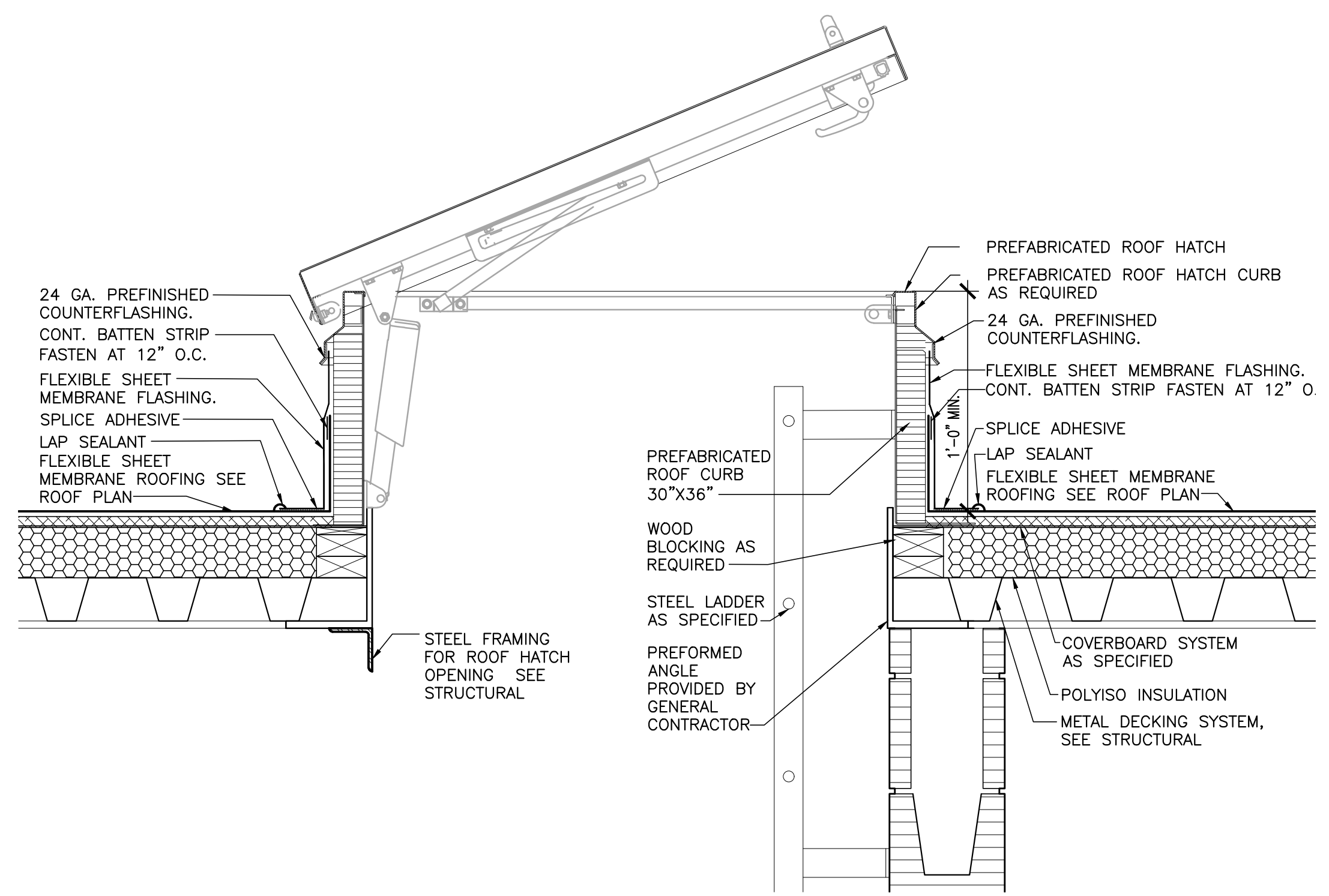
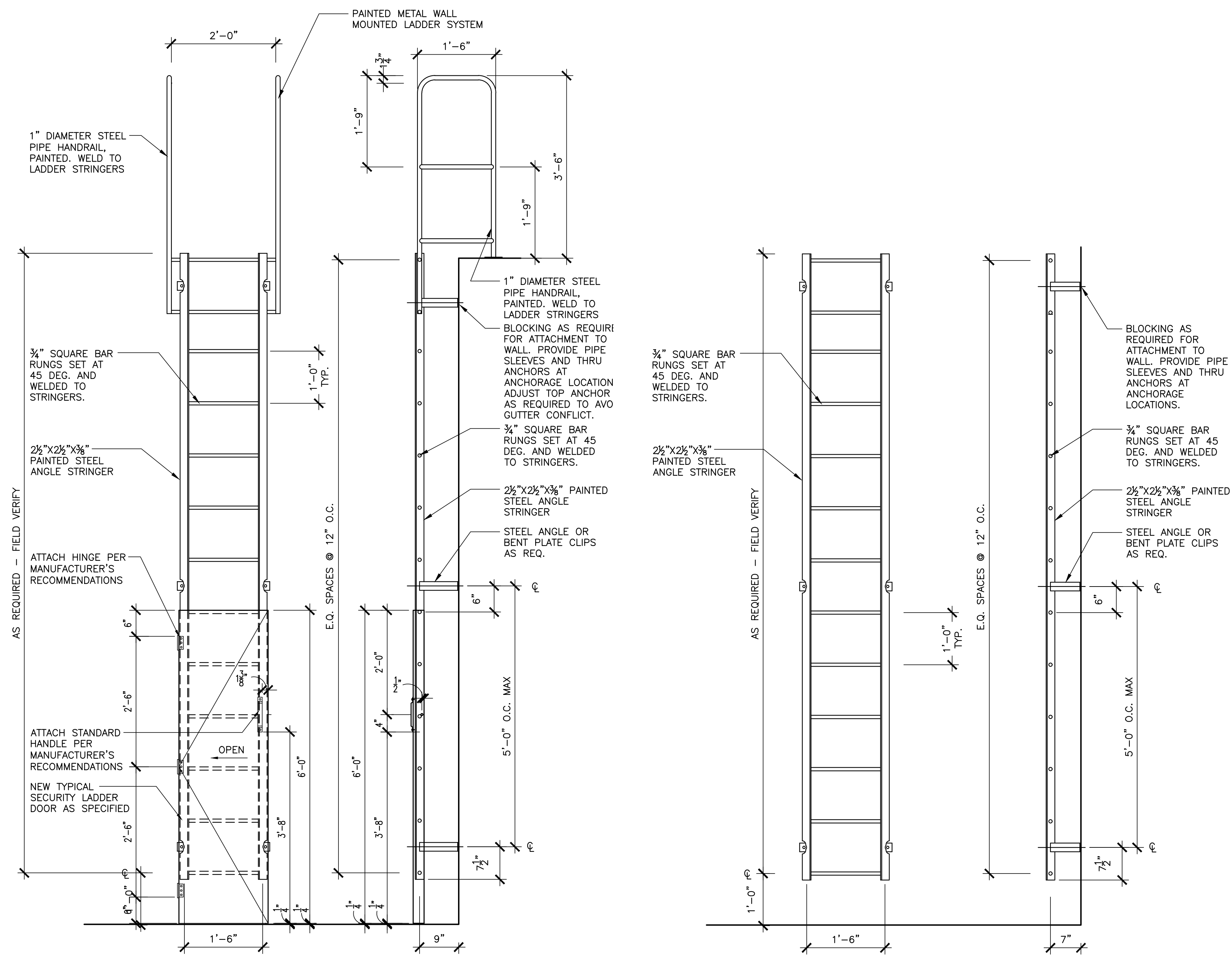
4 SCUPPER DETAIL

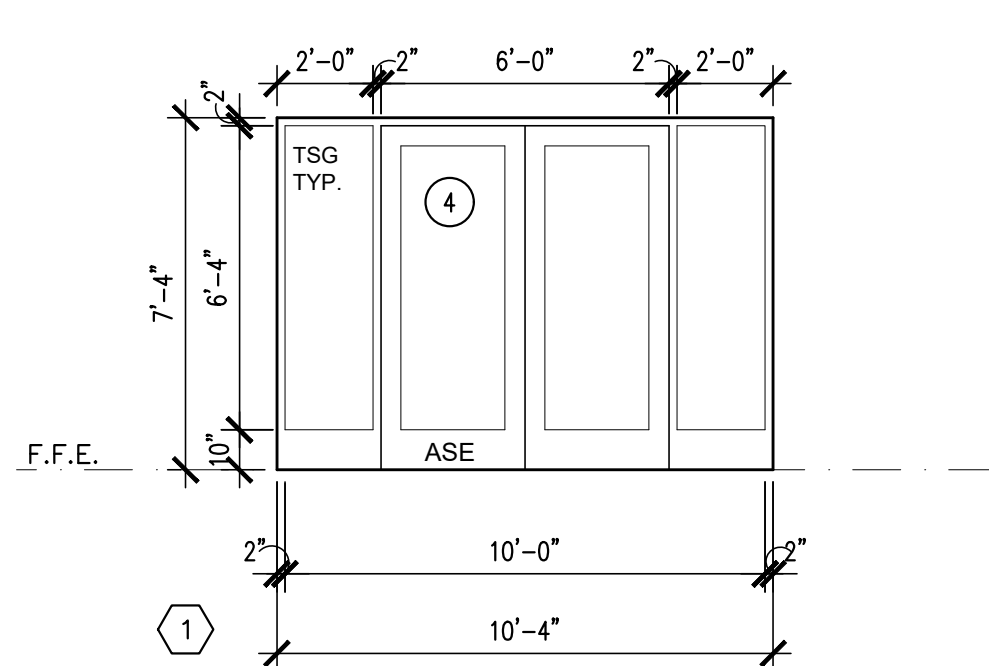
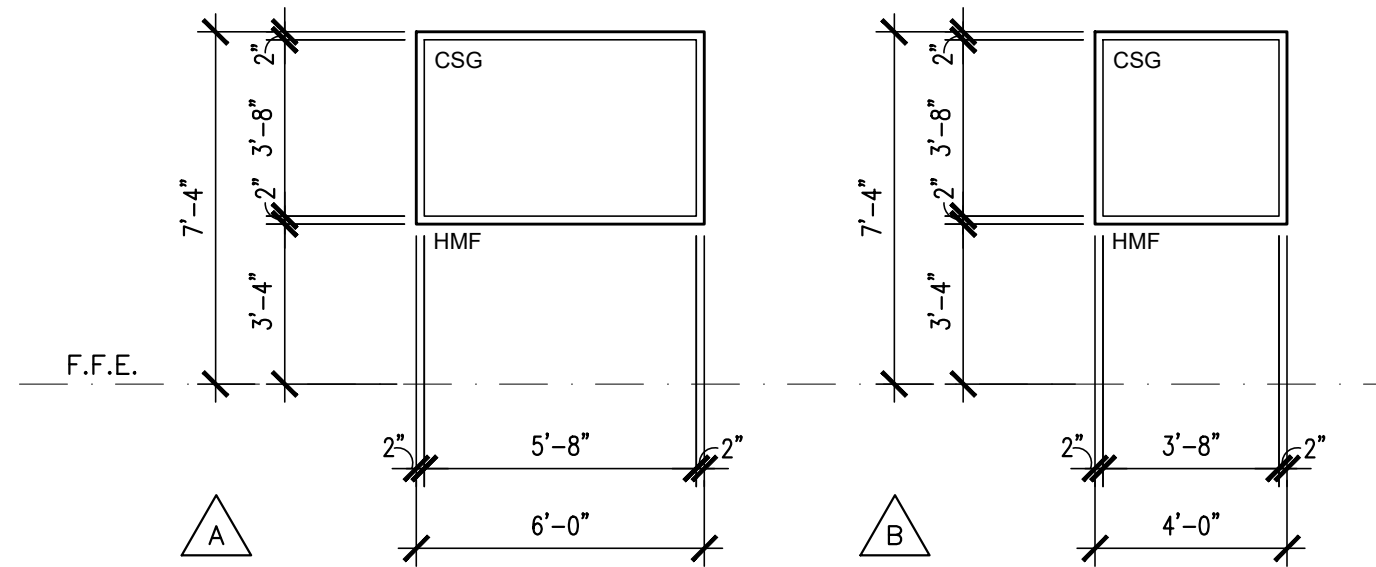
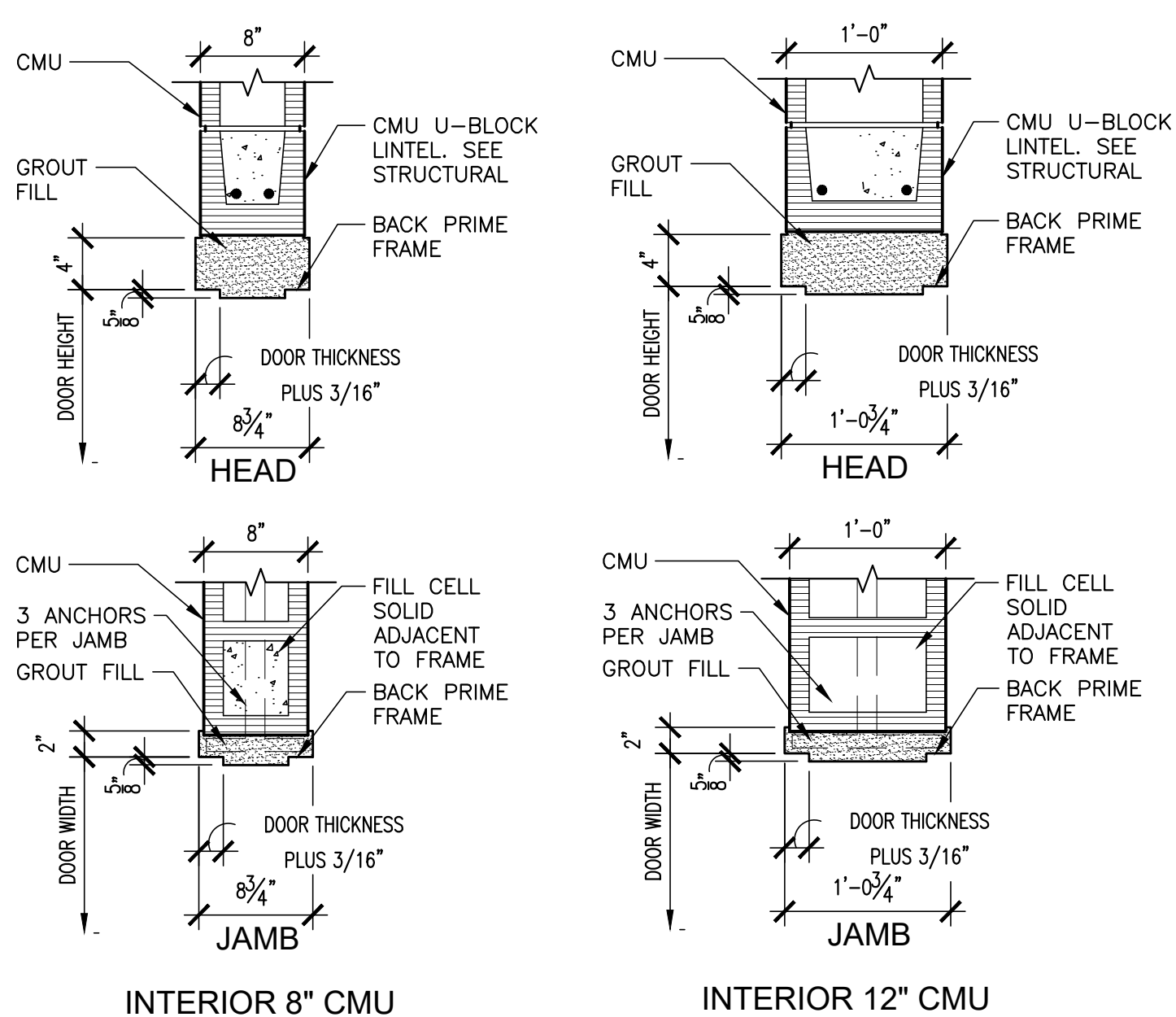
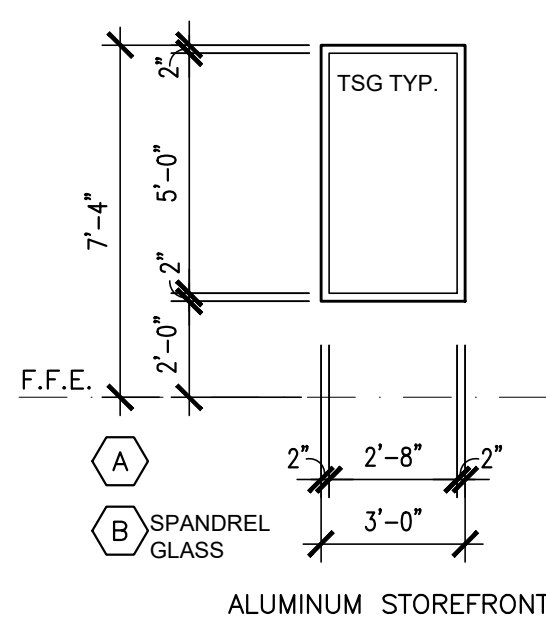
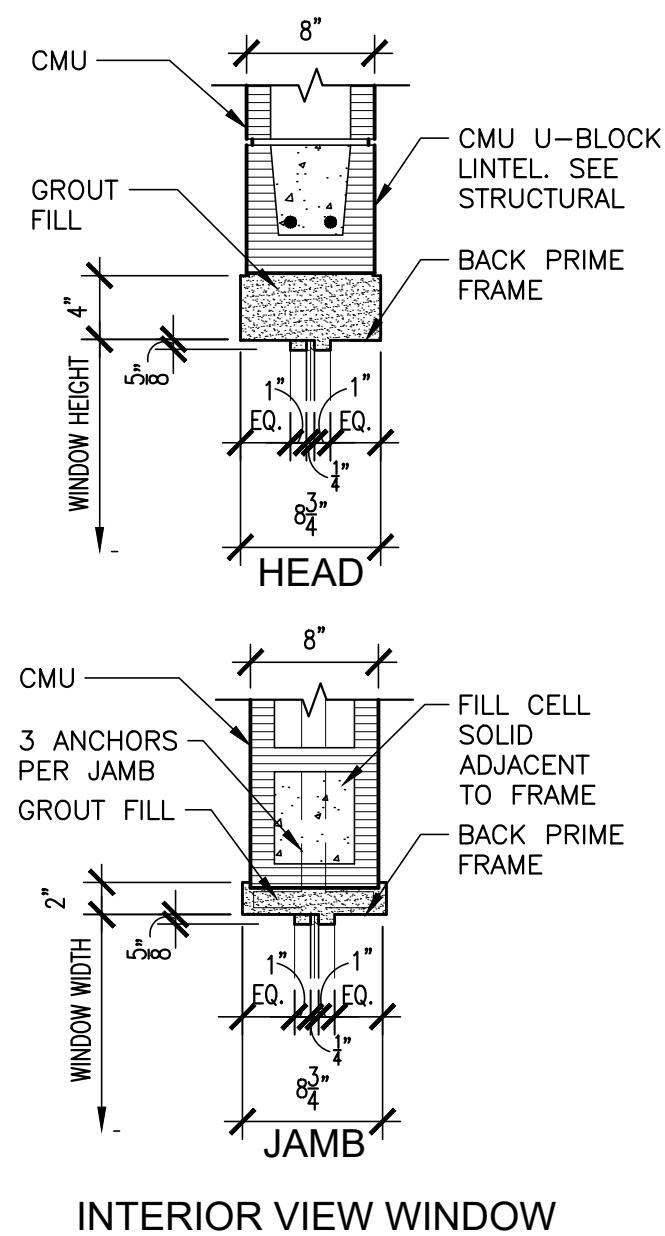
SCALE: 3" = 1'-0"



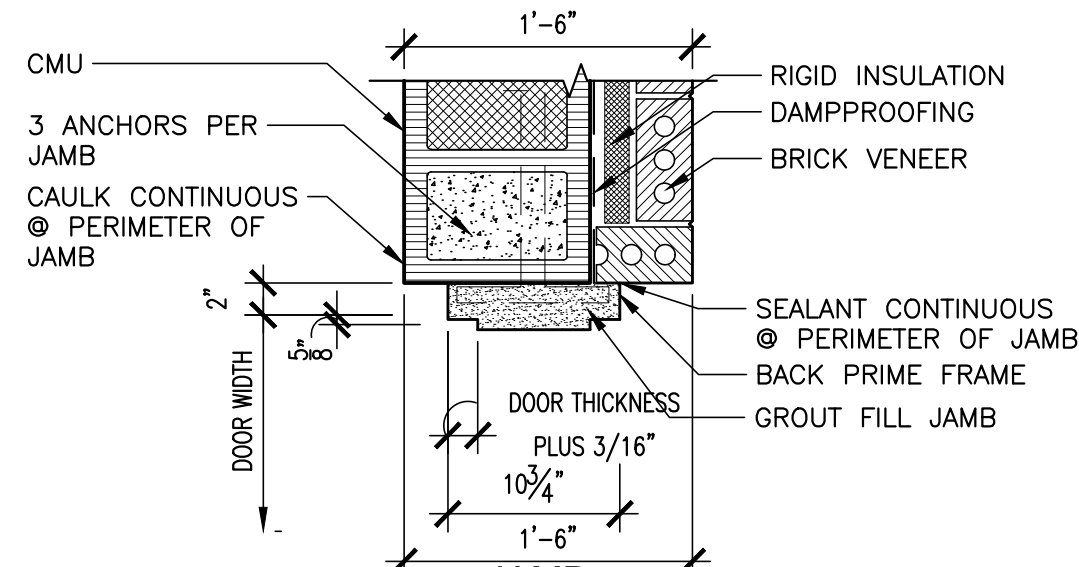
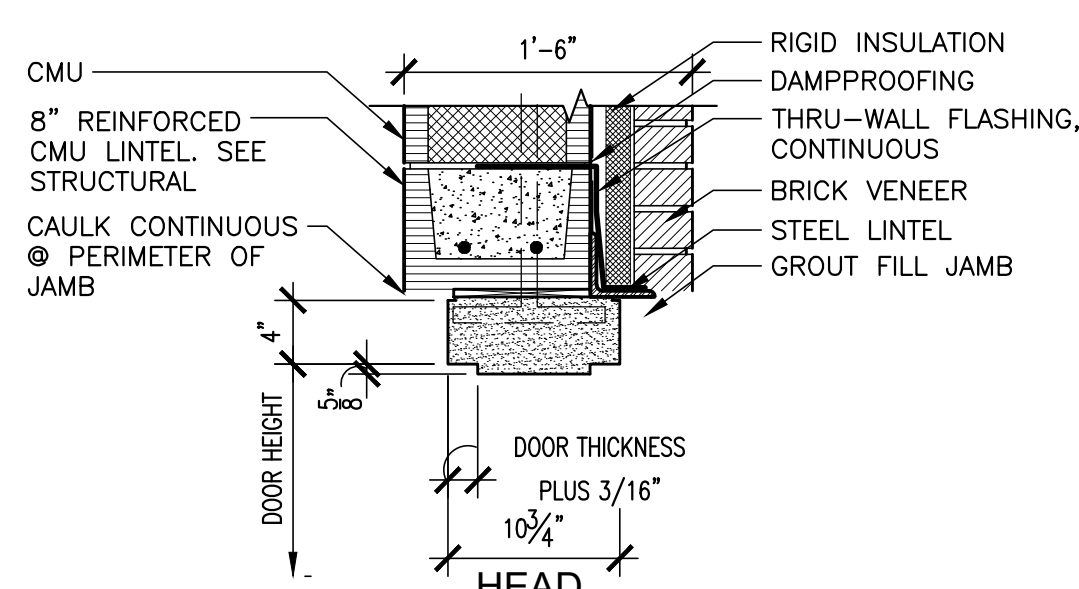
5 PARAPET DETAIL

SCALE: 3" = 1'-0"

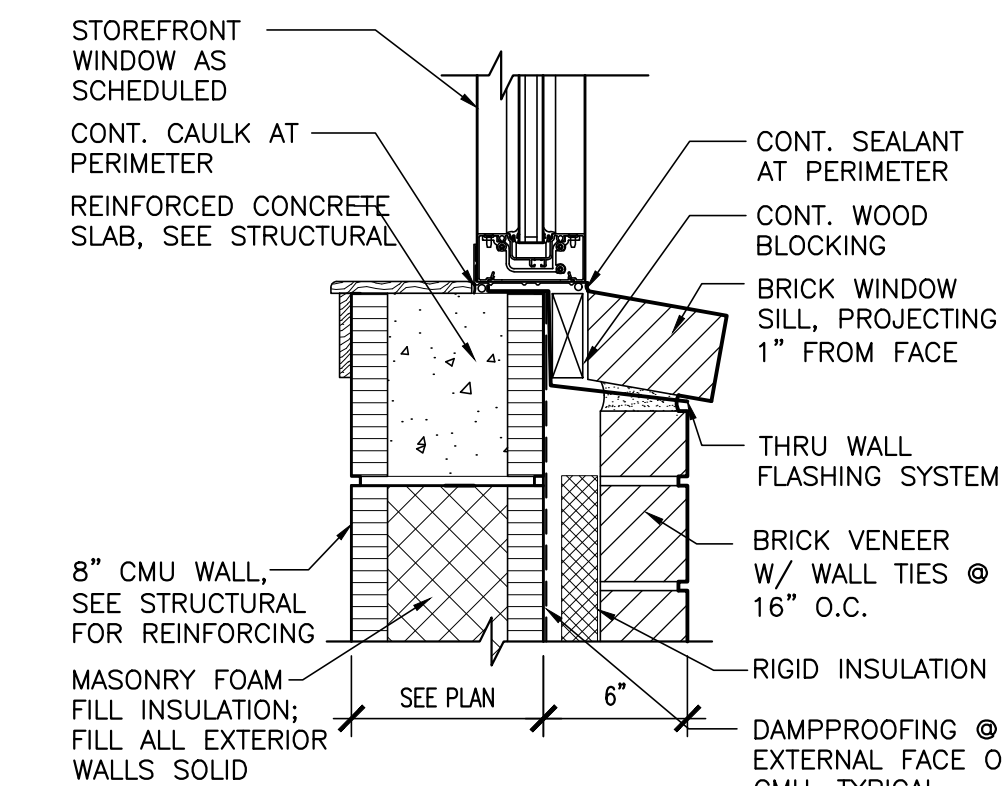
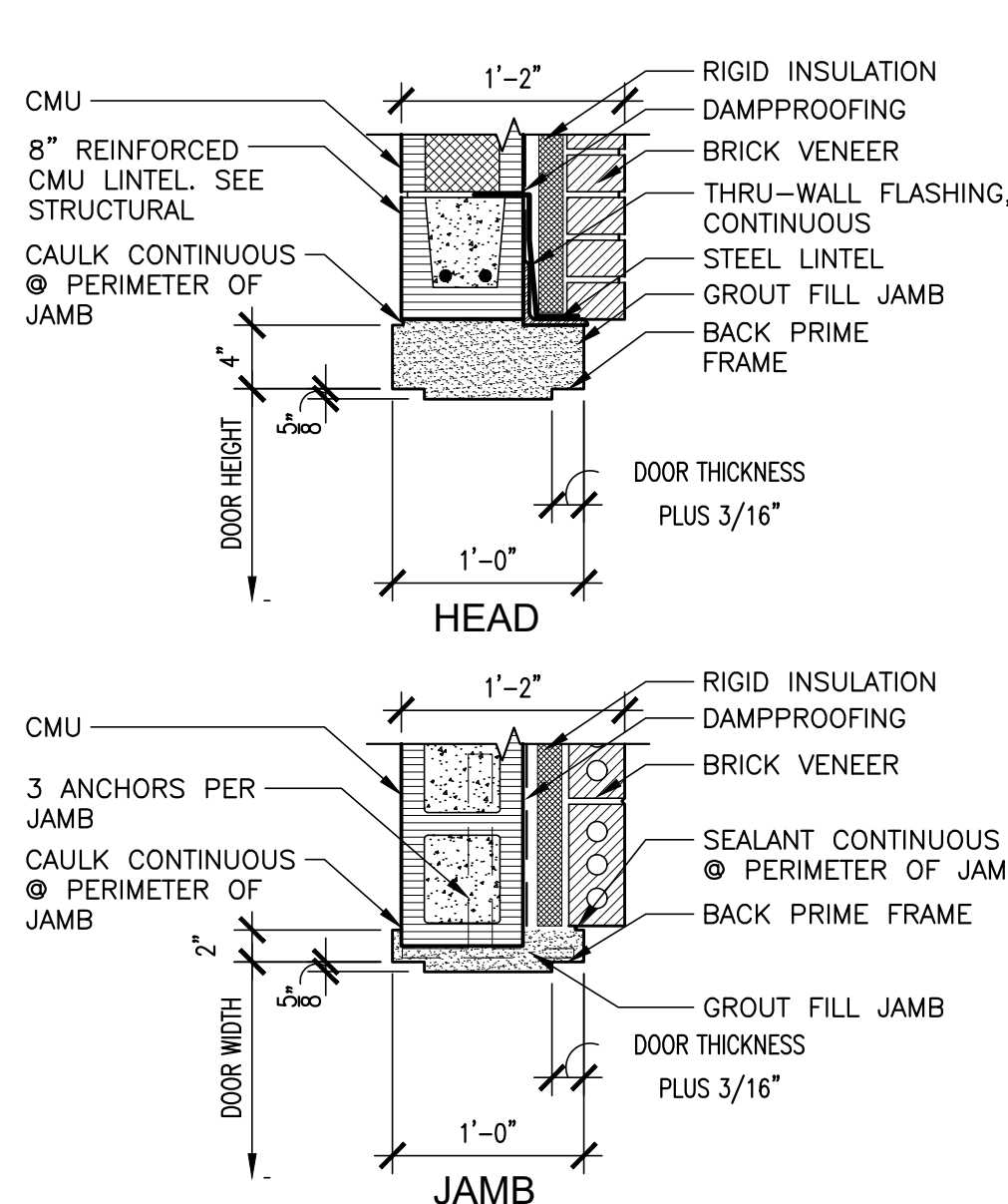



$$1/4'' = 1'-0''$$

$$1/4'' = 1'-0''$$

$$1'' = 1' - 0''$$
$$1/4'' = 1'-0''$$

$$1/4'' = 1'-0''$$


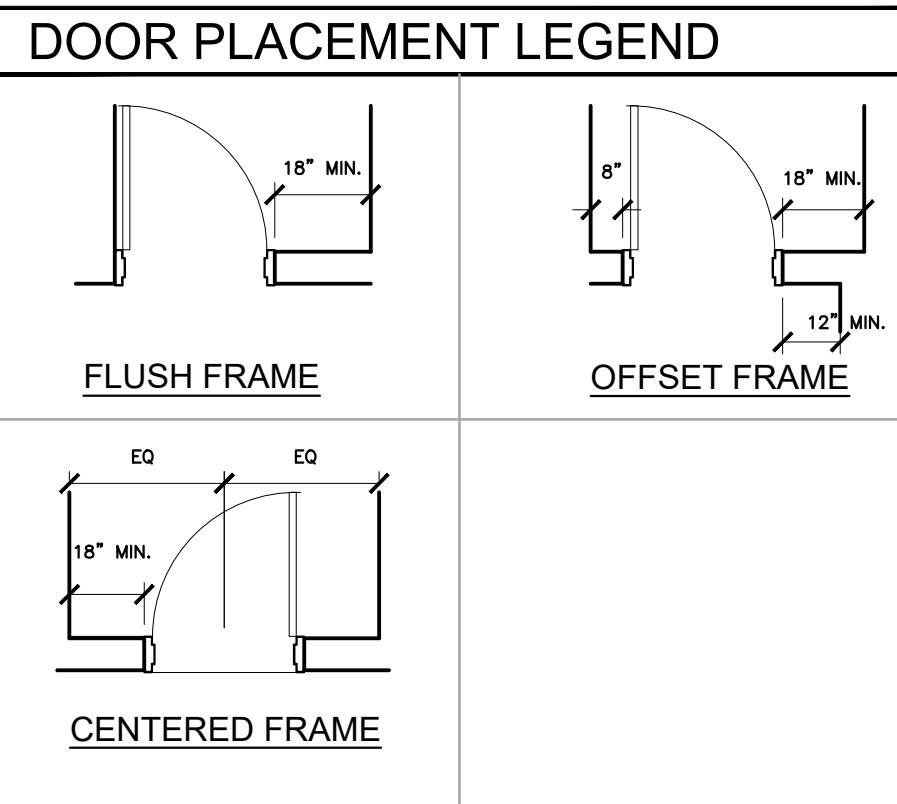
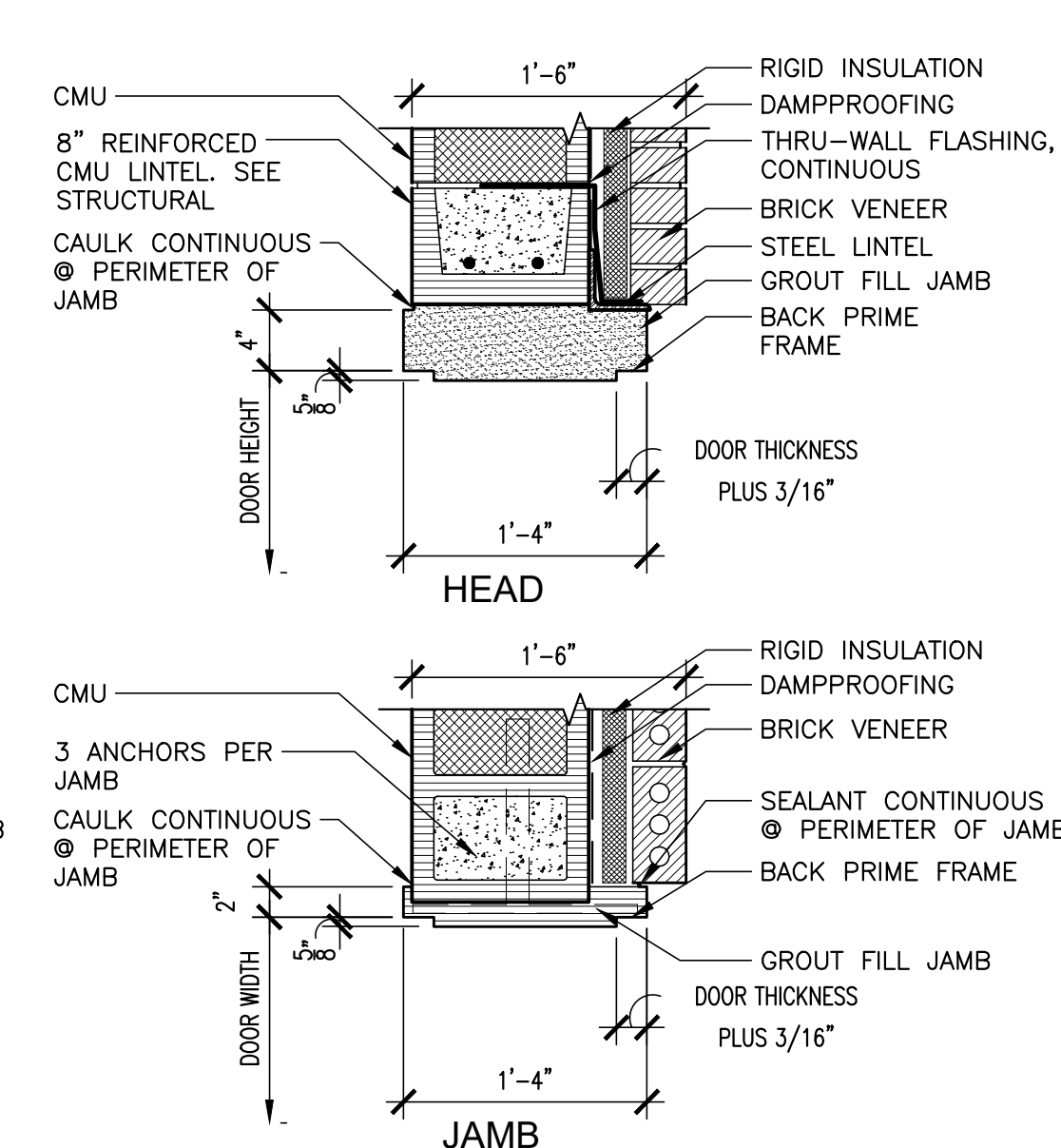
EXTERIOR
12" CMU W/ BRICK VENEER



STORM SHELTER
DOORS @ EXTERIOR
12" CMU W/ BRICK
VENEER



SILL

$$1\ 1/2'' = 1'-0''$$


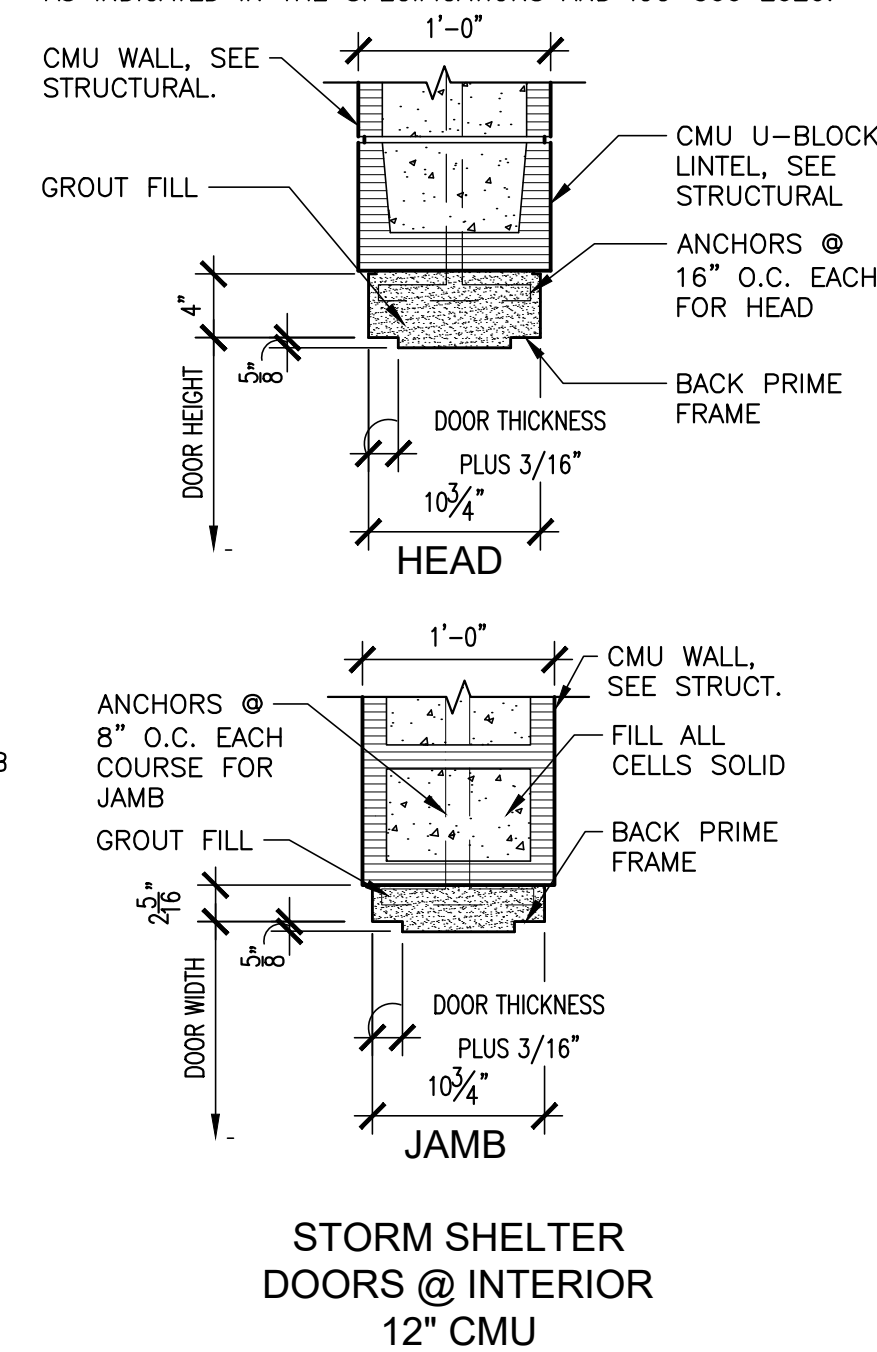
DOOR TYPE	(2)	NO RATING
DOOR TYPE + A	(2A)	20 MINUTE RATING
DOOR TYPE + B	(2B)	45 MINUTE RATING
DOOR TYPE + C	(2C)	60 MINUTE RATING
DOOR TYPE + D	(2D)	90 MINUTE RATING
DOOR TYPE + E	(2E)	180 MINUTE RATING

DOOR AND WINDOW LEGEND	
CSG	½" THICK CLEAR TEMPERED SAFETY GLASS.
CFG	CLEAR FIRE RATED SAFETY GLASS AS SPECIFIED.
TSG	1" TINTED INSULATED LOW-E TEMPERED SAFETY GLASS AS SPEC.
SCWD	SOLID CORE WOOD DOOR
HMD	HOLLOW METAL DOOR
HMF	HOLLOW METAL FRAME
ASE	PREFINISHED ALUMINUM STOREFRONT ENTRANCE SYSTEM AS SPECIFIED.
TDS	TORNADO STORM DOOR SYSTEM
HO	HOLD OPENS TIED TO FIRE ALARM SYSTEM
MHO	MANUAL HOLD OPEN

NOTES:

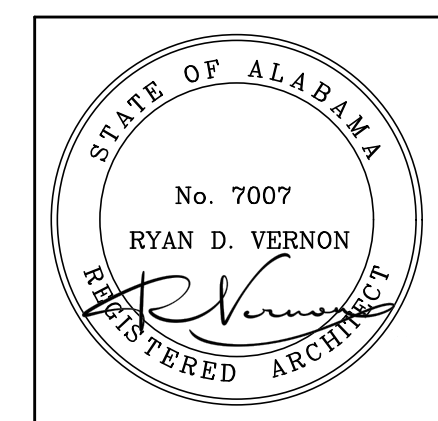
1. PROVIDE LOW-E TSG GLAZING AT ALL WESTERN, EASTERN, AND SOUTHERN FACING GLAZING. PROVIDE TSG AT ALL NORTHERN FACING GLAZING.
2. PROVIDE CFG WHERE GLASS IS INDICATED IN RATED DOORS AND WINDOWS.
3. WINDOW WIDTH AND HEIGHT DIMENSIONS ARE ROUGH OPENING.

NOTE: SEE STRUCTURAL FOR TORNADO STORM SHELTER
CMU AND REINFORCING INFORMATION. DOORS AND FRAMES
MUST HAVE BOTH THE FEMA 361/ICC-500 2020 LABEL
AND THE 90 MIN. FIRE LABEL AS SPECIFIED. MEET ALL
TORNADO STORM SHELTER DOOR AND FRAME REQUIREMENTS
AS INDICATED IN THE SPECIFICATIONS AND ICC-500 2020.



NEW EMA CENTER FOR
RUSSELL COUNTY, ALABAMA
5TH STREET SOUTH, PHENIX CITY AL 36869
RUSSELL COUNTY COMMISSION

SHEET TITLE:
DOOR AND WINDOW
SCHEDULES



PROJ. MGR.: R. VERNON

DRAWN: ELM

DATE: 10-24-2025

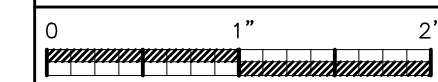
REVISIONS

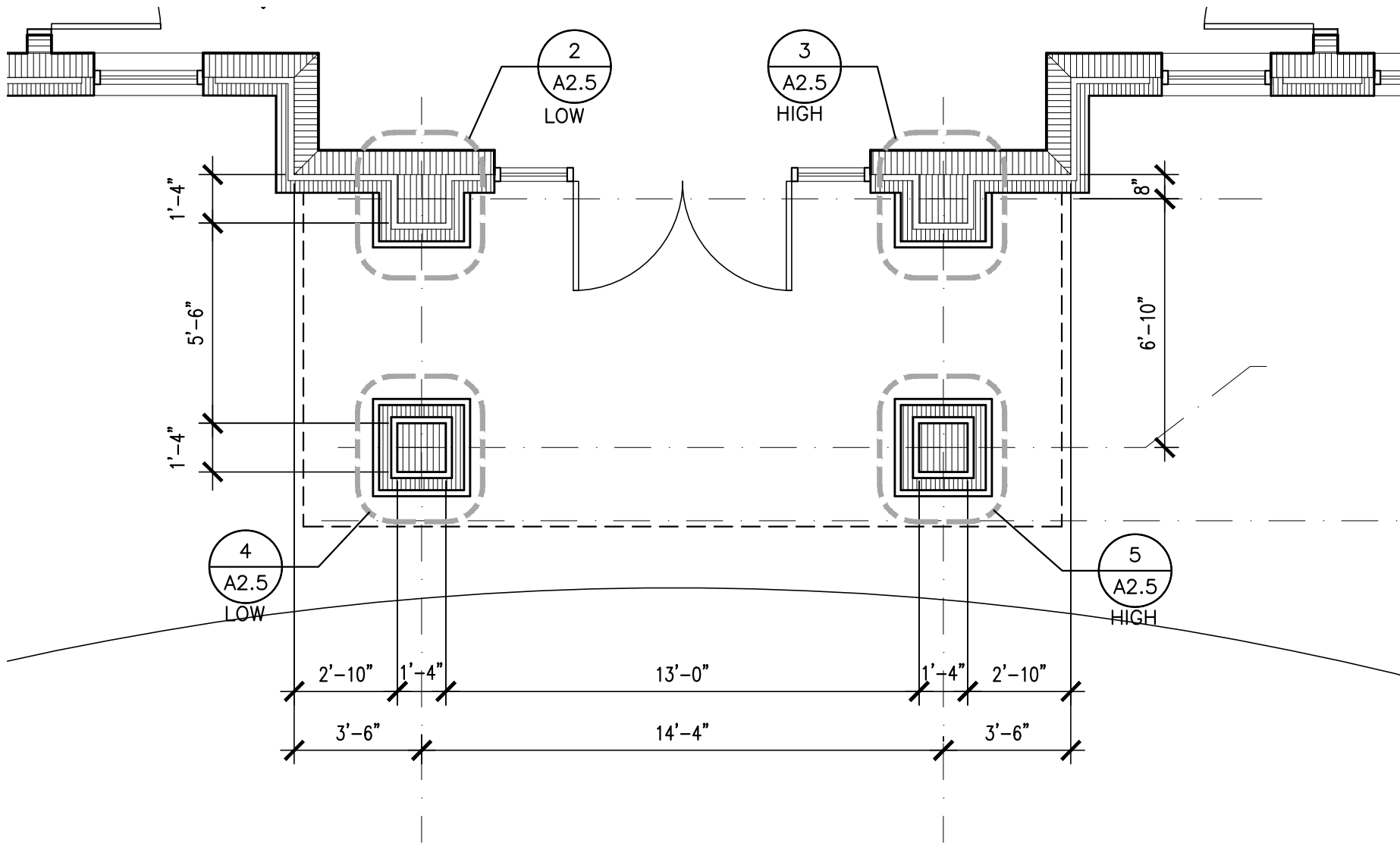
JOB NO. 25-13

SHEET NO:

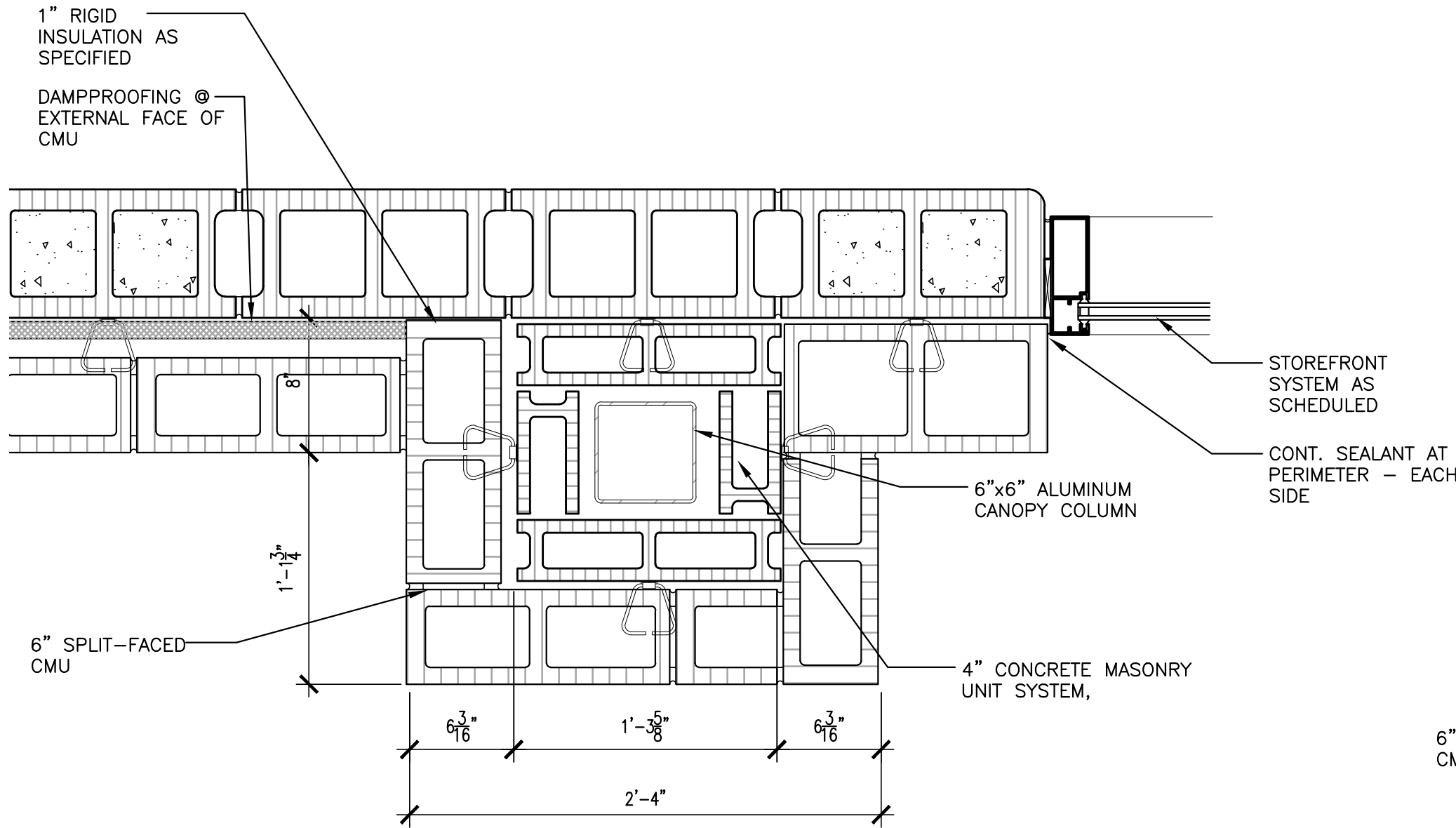
A2.4

6 OF 24

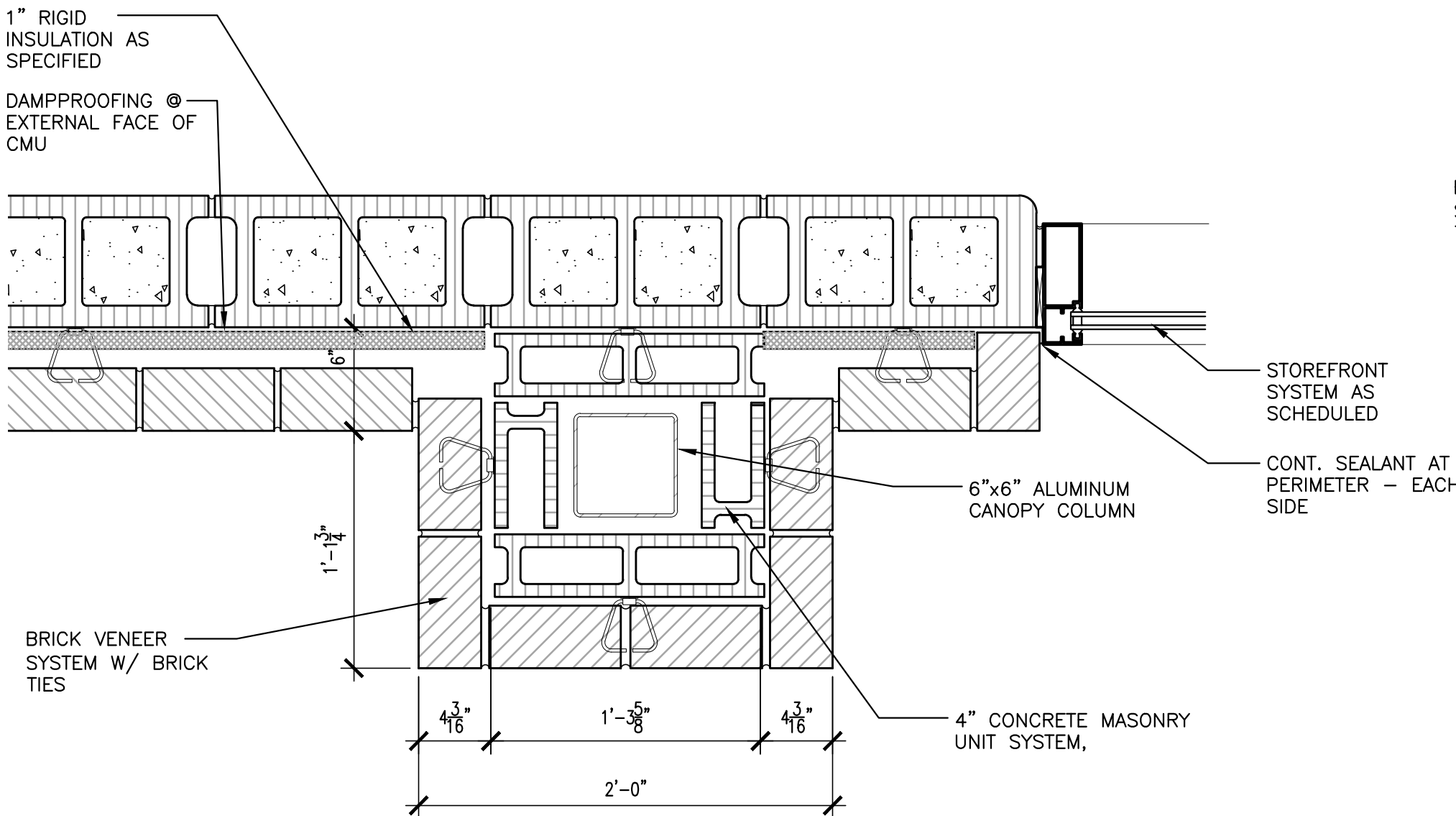




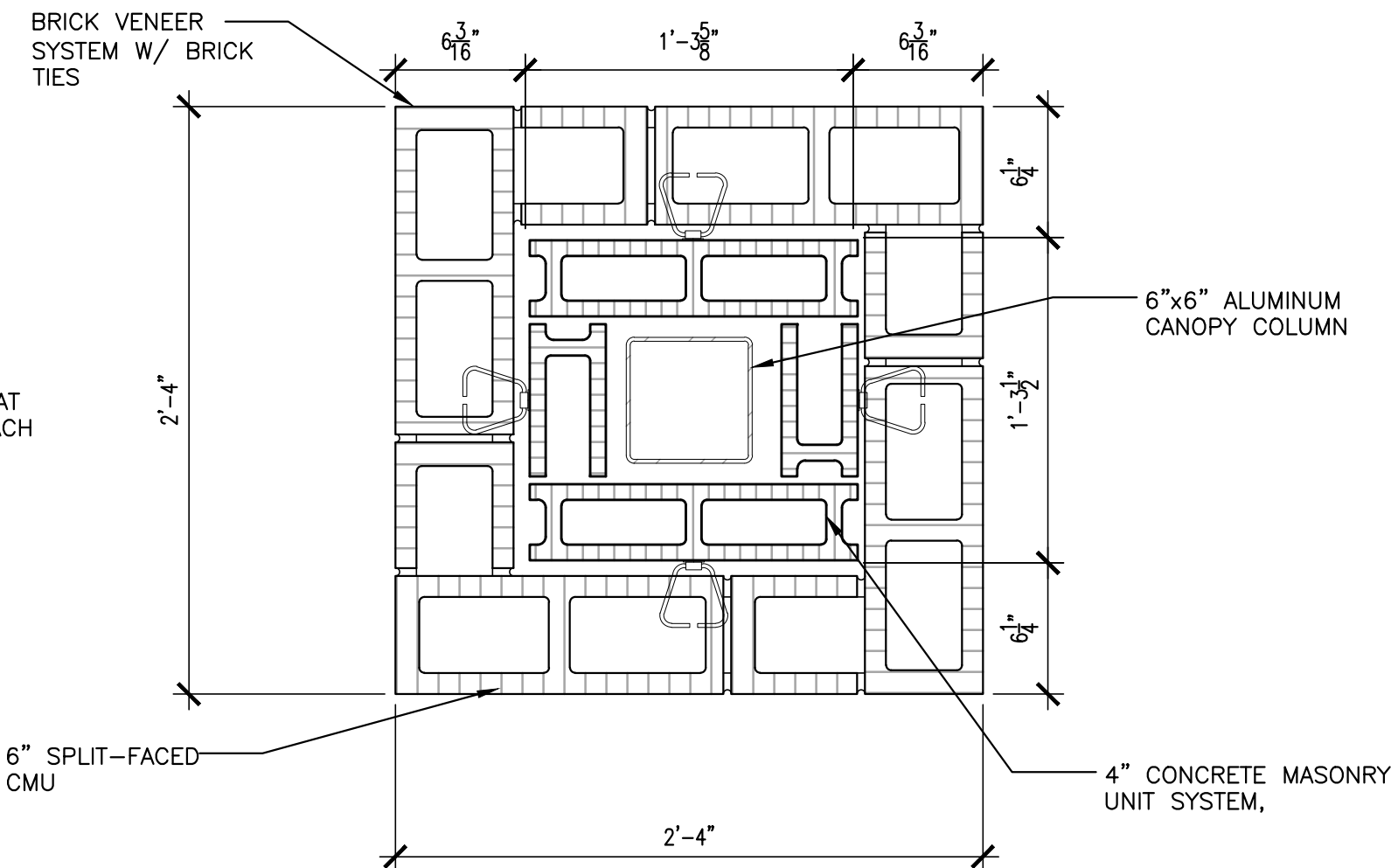
1 ENLARGED CANOPY PLAN
SCALE: 1/4" = 1'-0"



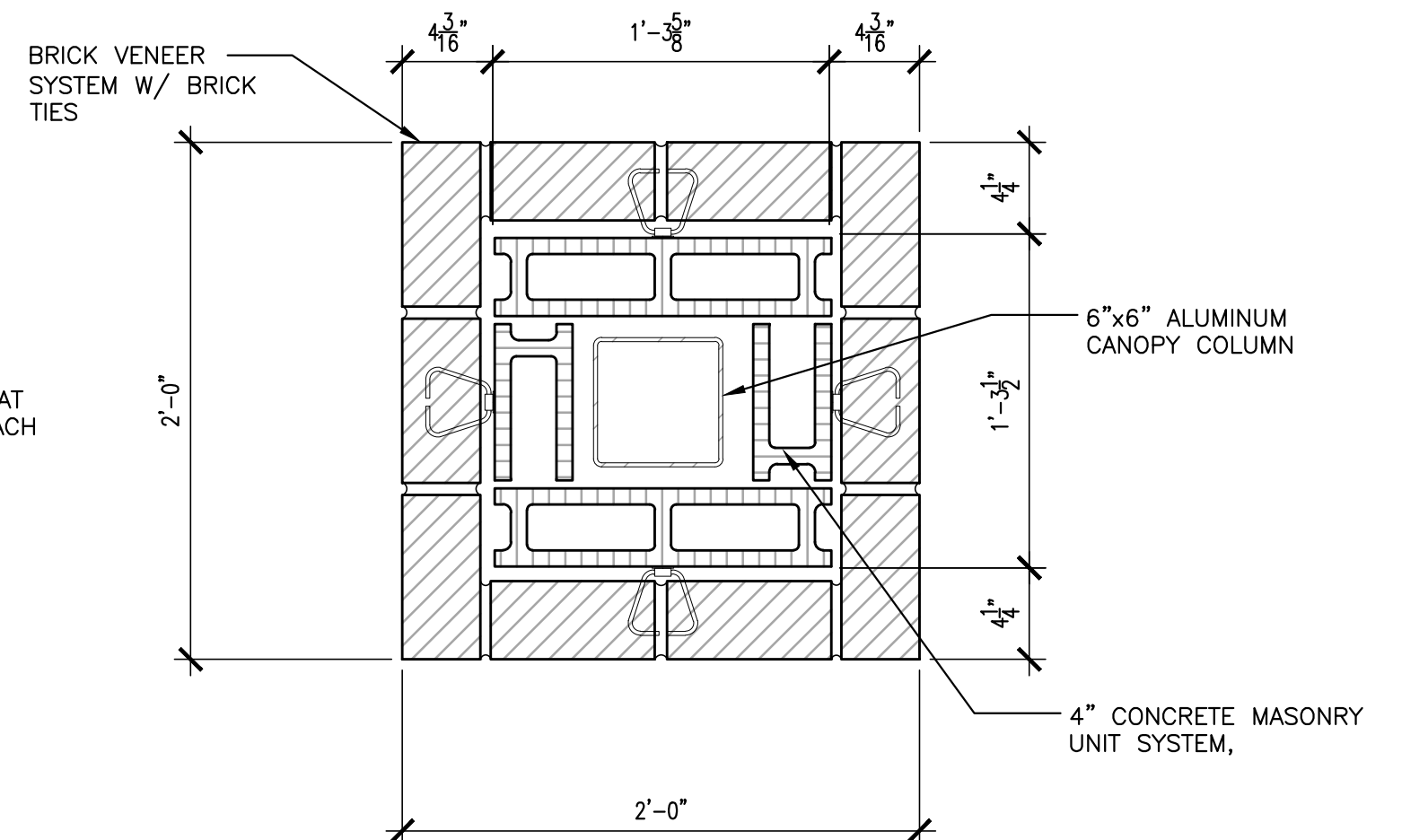
2 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



3 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



4 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



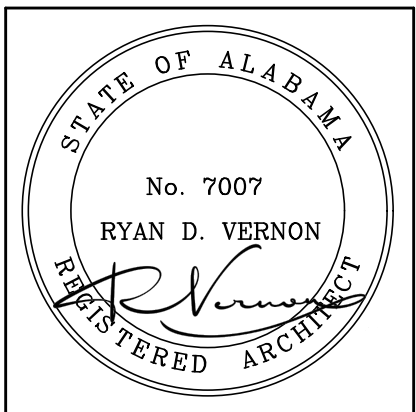
5 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



LATHAN
McKEE
ARCHITECTS

NEW EMA CENTER FOR
RUSSELL COUNTY, ALABAMA
5TH STREET SOUTH, PHENIX CITY AL 36869
RUSSELL COUNTY COMMISSION

SHEET TITLE:
EXTERIOR ELEVATIONS



PROJ. MGR.: R. VERNON

DRAWN: ELM

DATE: 10-24-2025

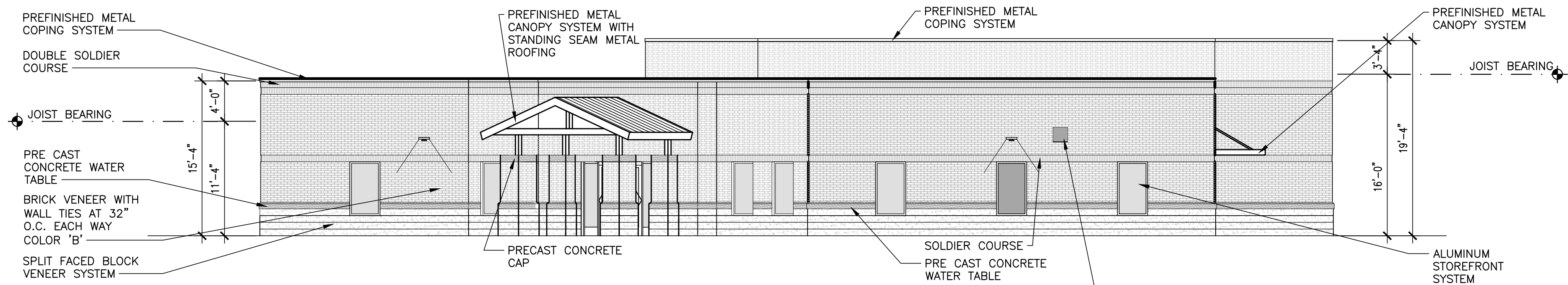
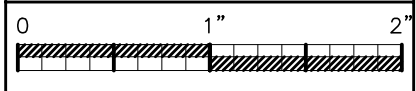
REVISIONS

JOB NO. 25-13

SHEET NO:

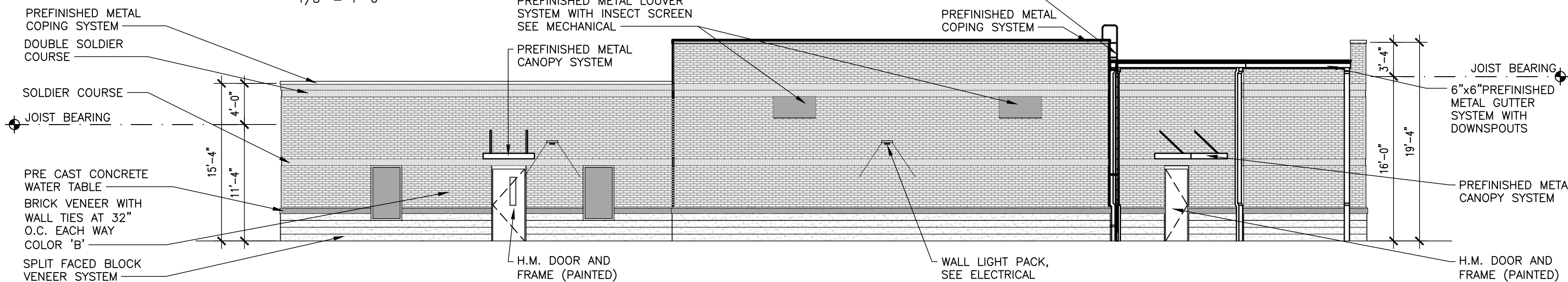
A3.1

8 OF 24



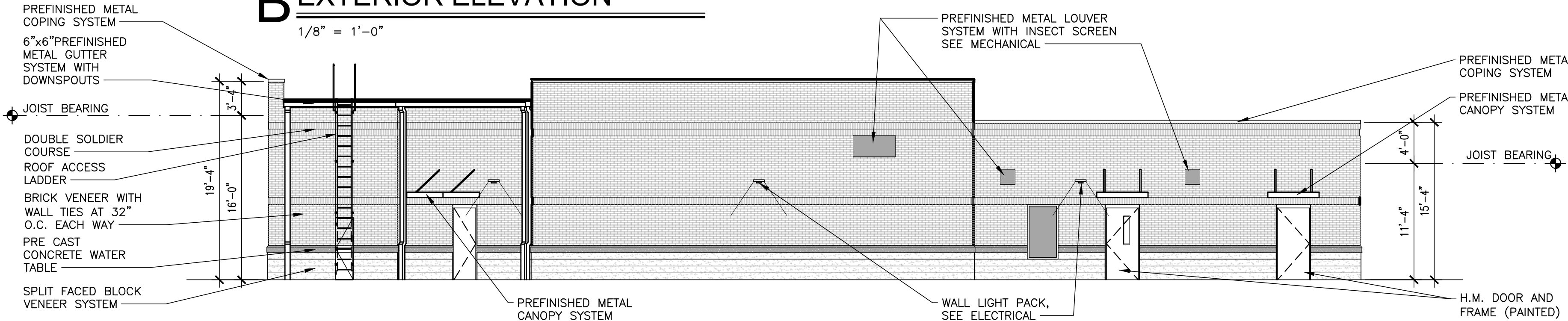
A EXTERIOR ELEVATION

1/8" = 1'-0"



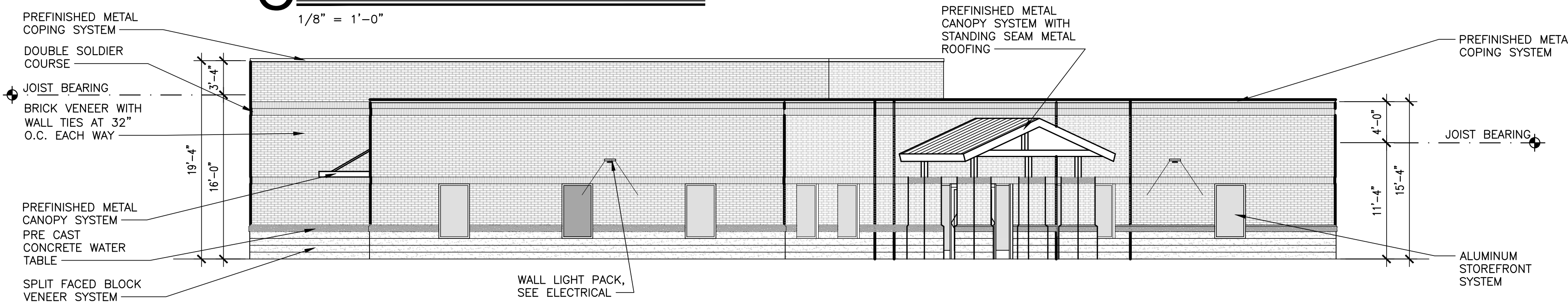
B EXTERIOR ELEVATION

1/8" = 1'-0"



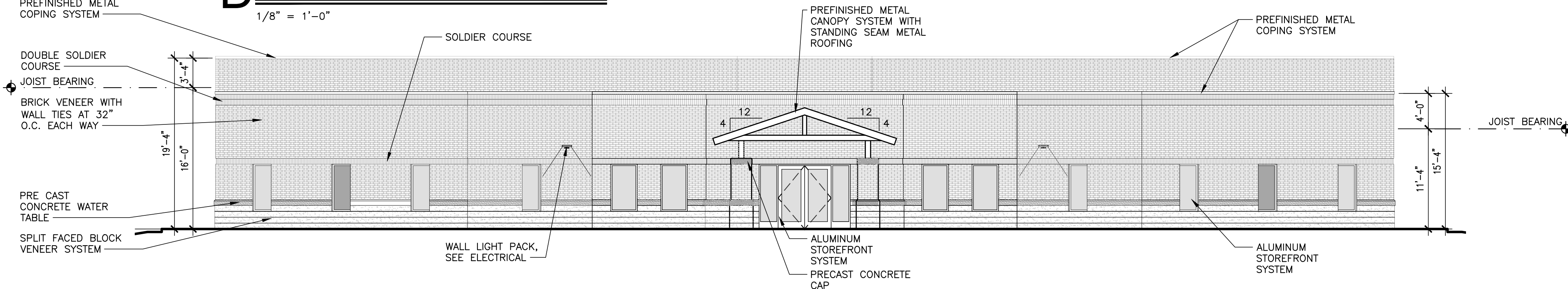
C EXTERIOR ELEVATION

1/8" = 1'-0"



D EXTERIOR ELEVATION

1/8" = 1'-0"



E EXTERIOR ELEVATION

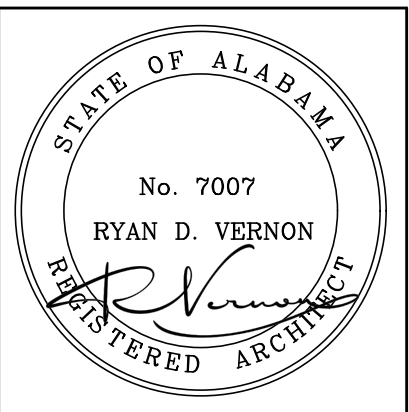
1/8" = 1'-0"



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5TH STREET SOUTH, PHENIX CITY AL 36869
RUSSELL COUNTY COMMISSION

SHEET TITLE:
BUILDING SECTIONS



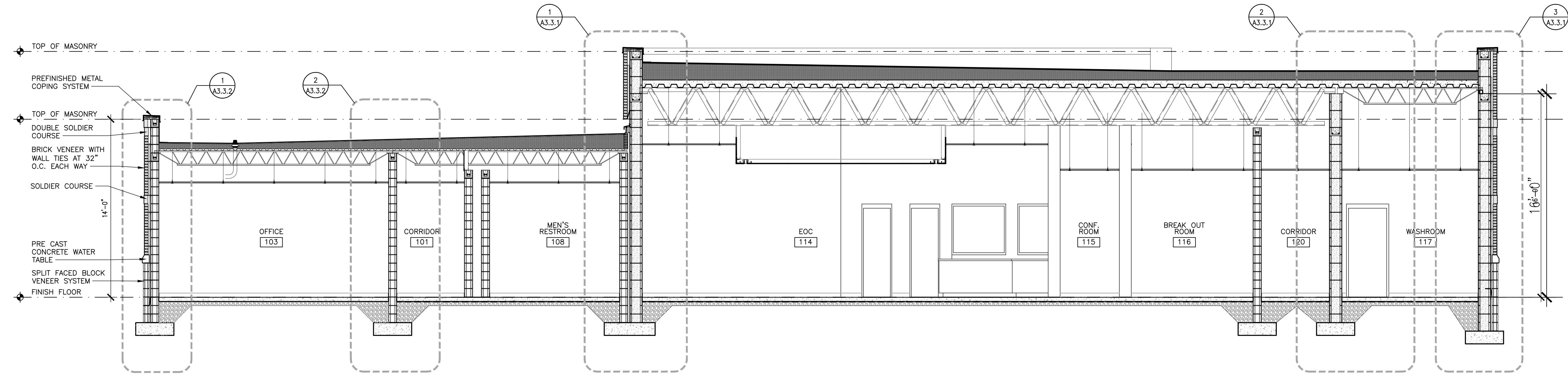
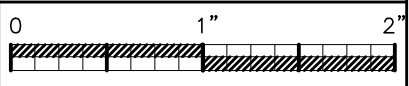
PROJ. MGR.: R. VERNON
DRAWN: ELM
DATE: 10-24-2025
REVISIONS

JOB NO. 25-13

SHEET NO:

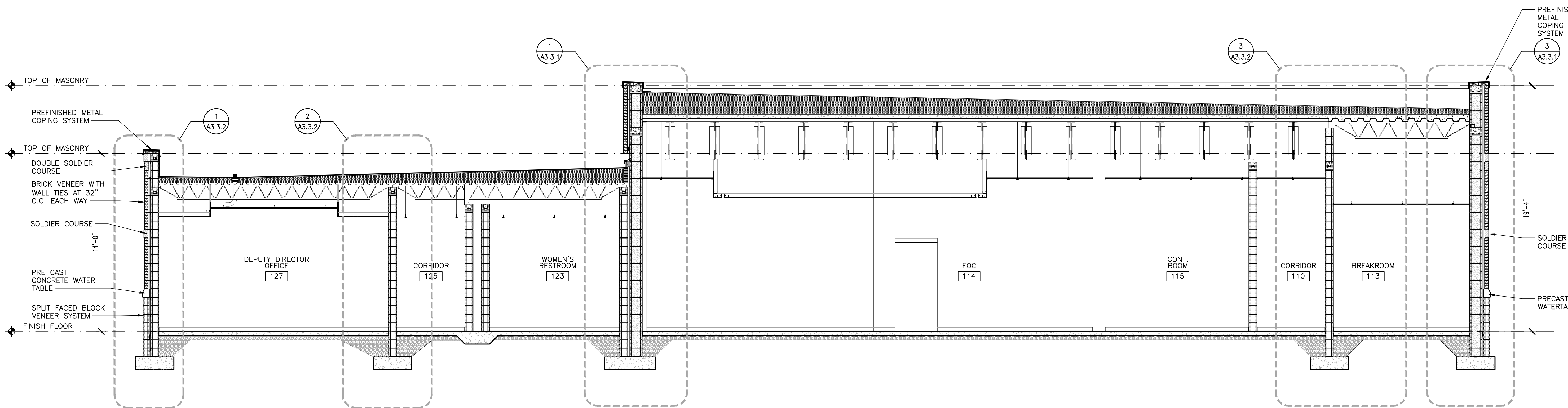
A3.2.1

9 OF 24



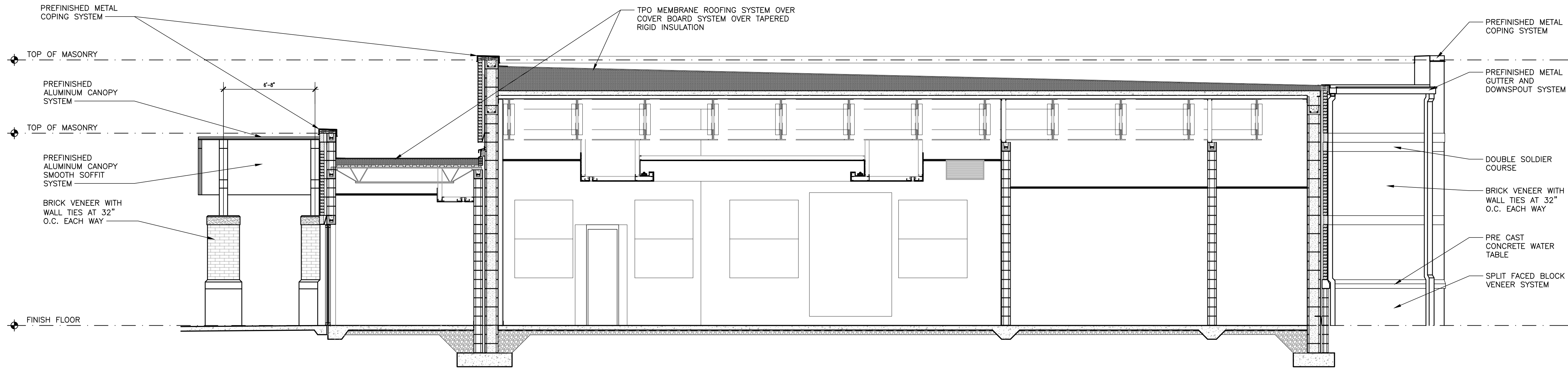
1 BUILDING SECTION

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



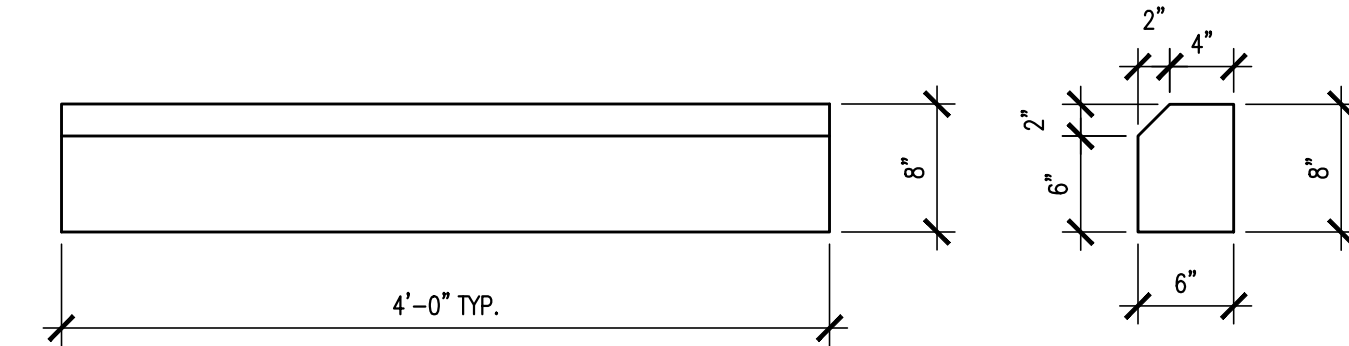
2 BUILDING SECTION

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



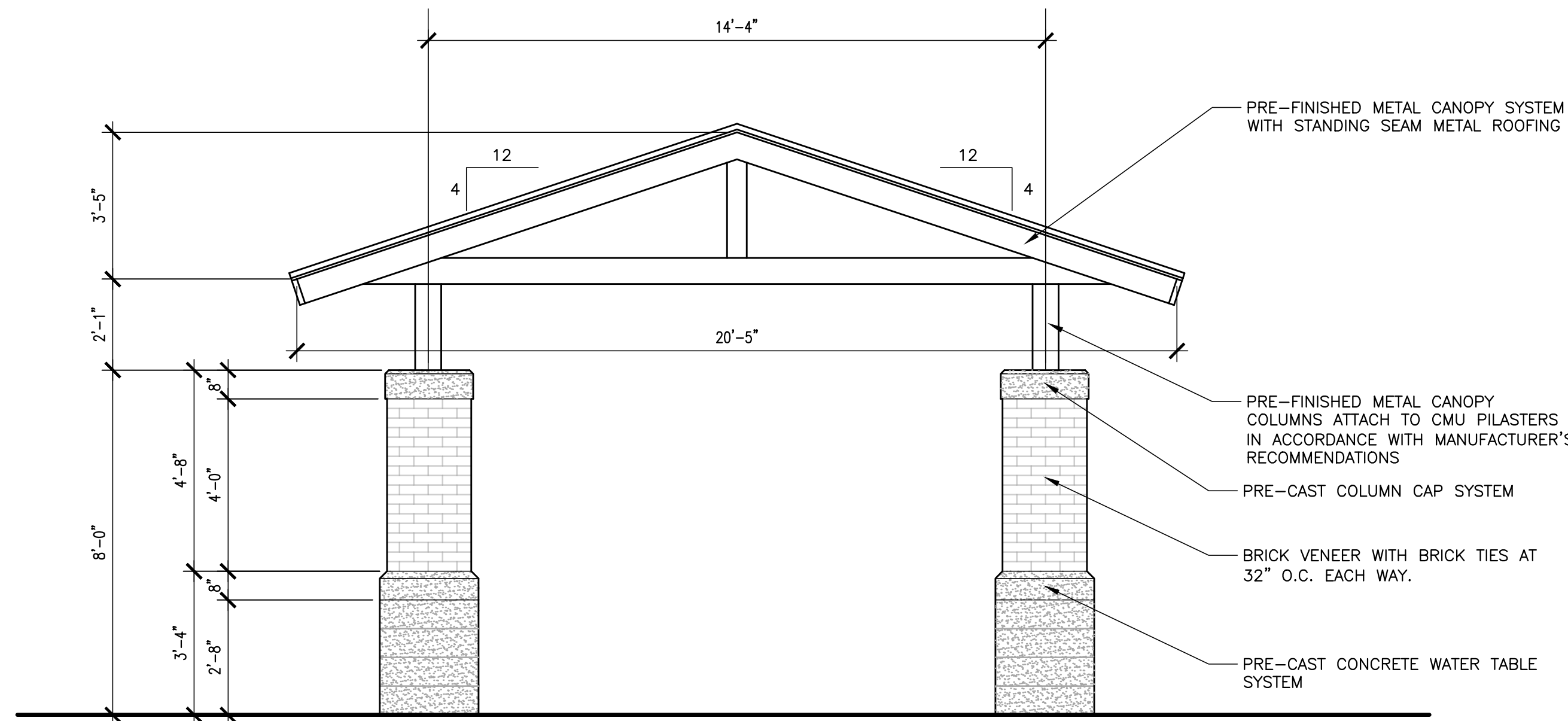
1 BUILDING SECTION

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



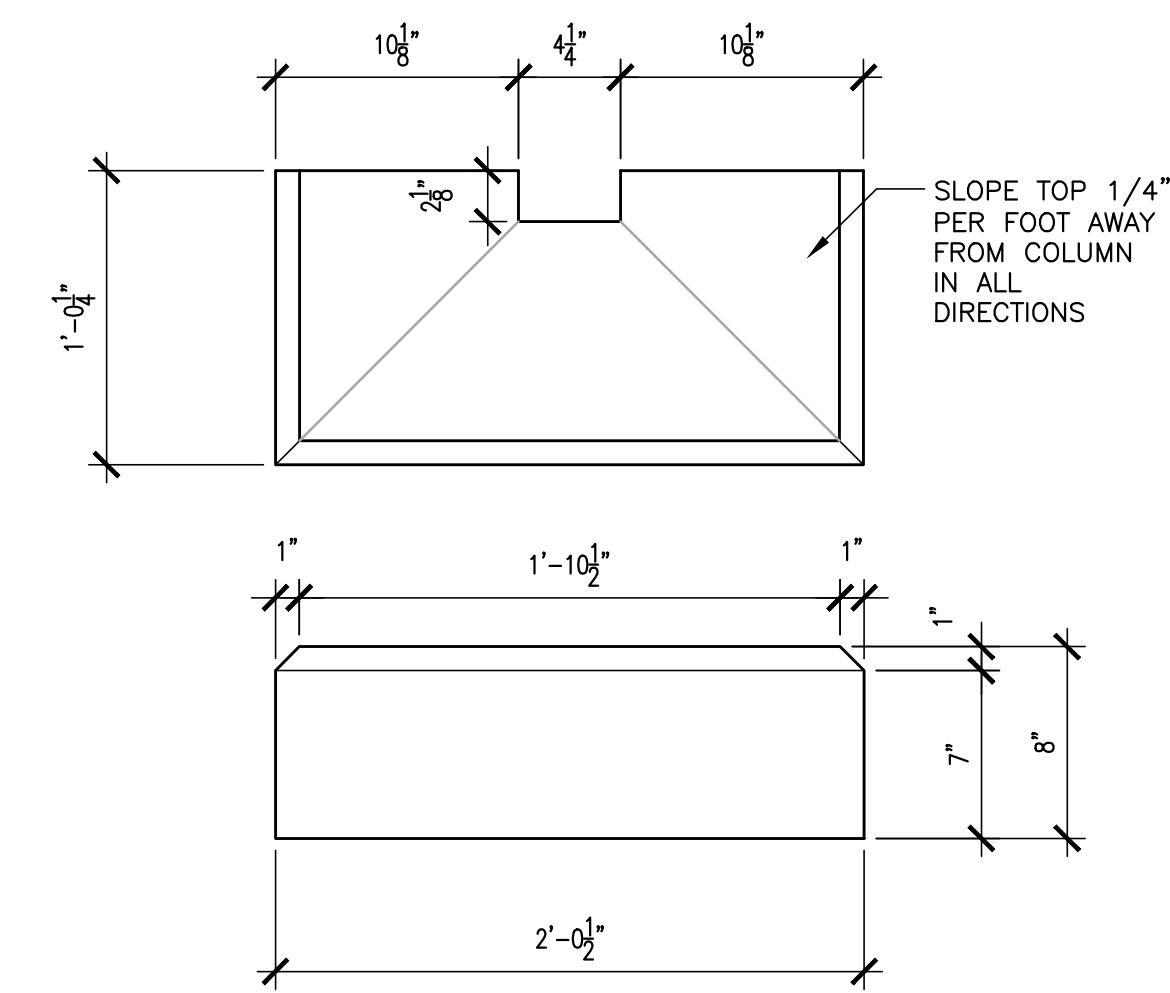
3 PRECAST BAND DETAILS

SCALE: 1" = 1'-0"



2 ENLARGED ELEVATION

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

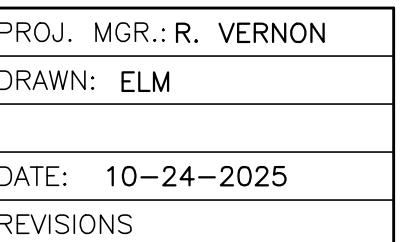


4 PRECAST CAP DETAILS

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

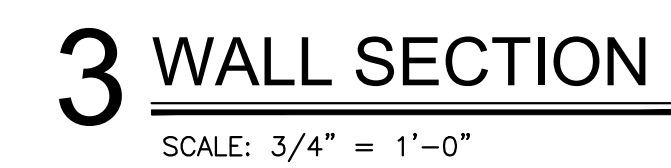
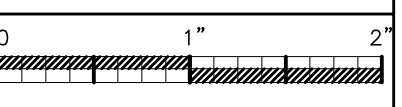


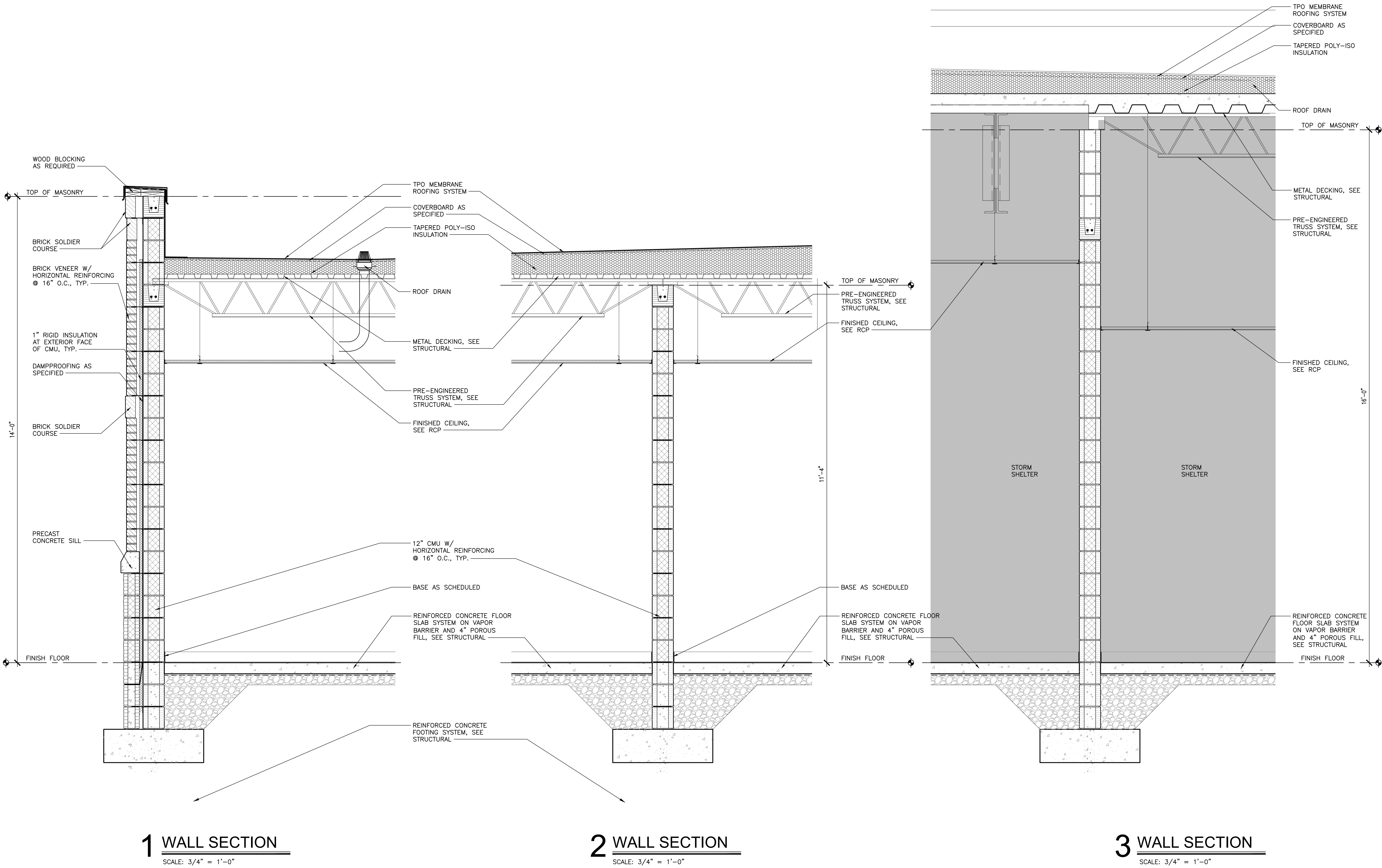
SHEET TITLE:
WALL SECTIONS

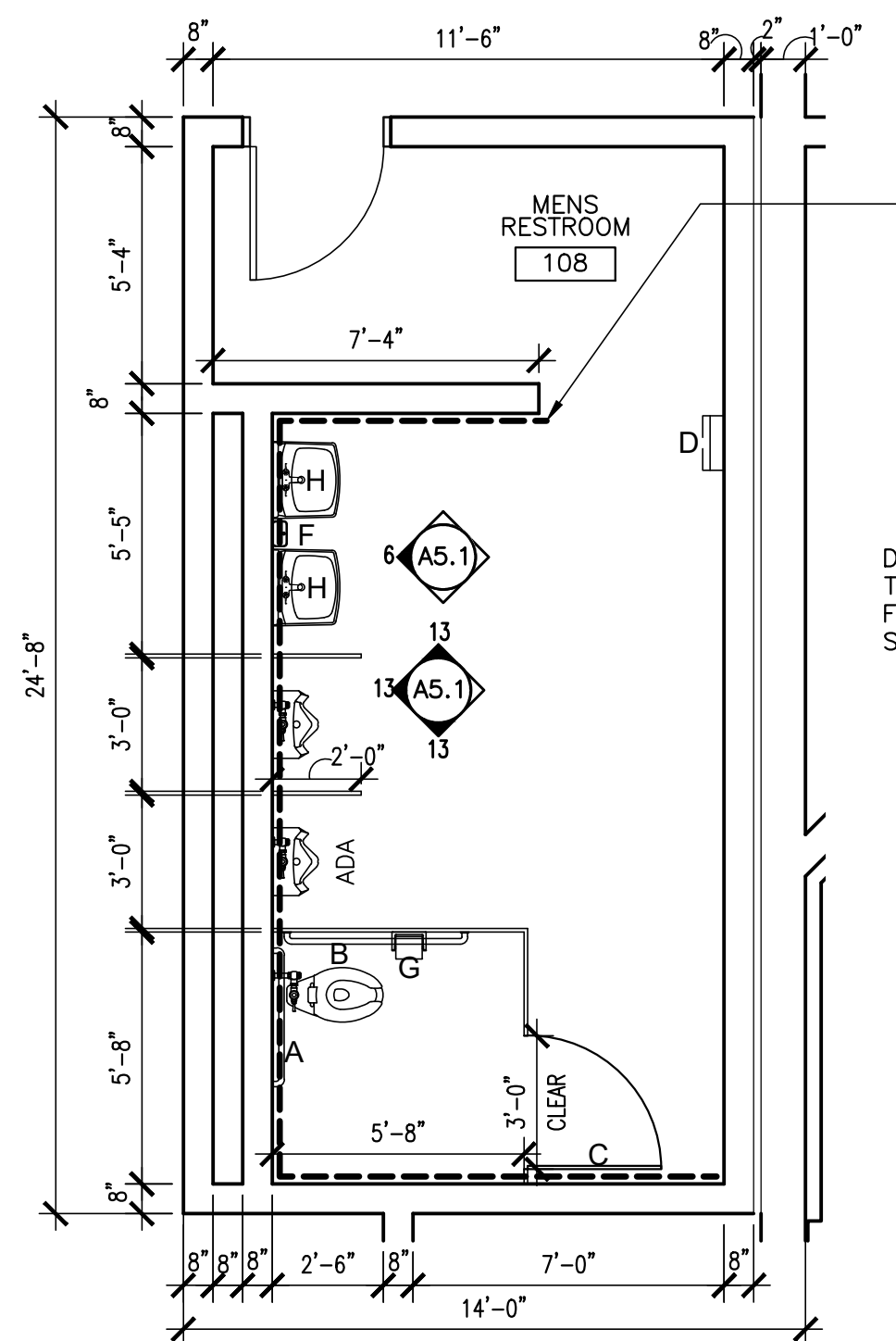
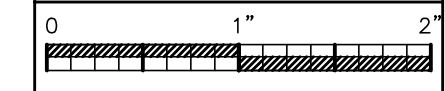
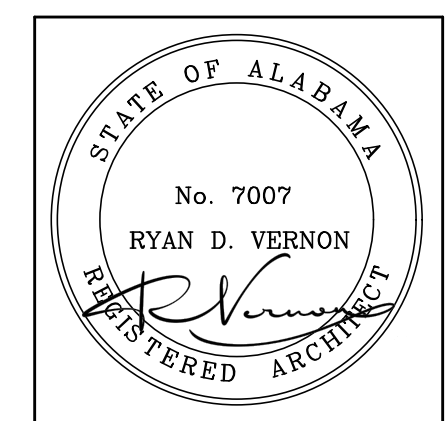


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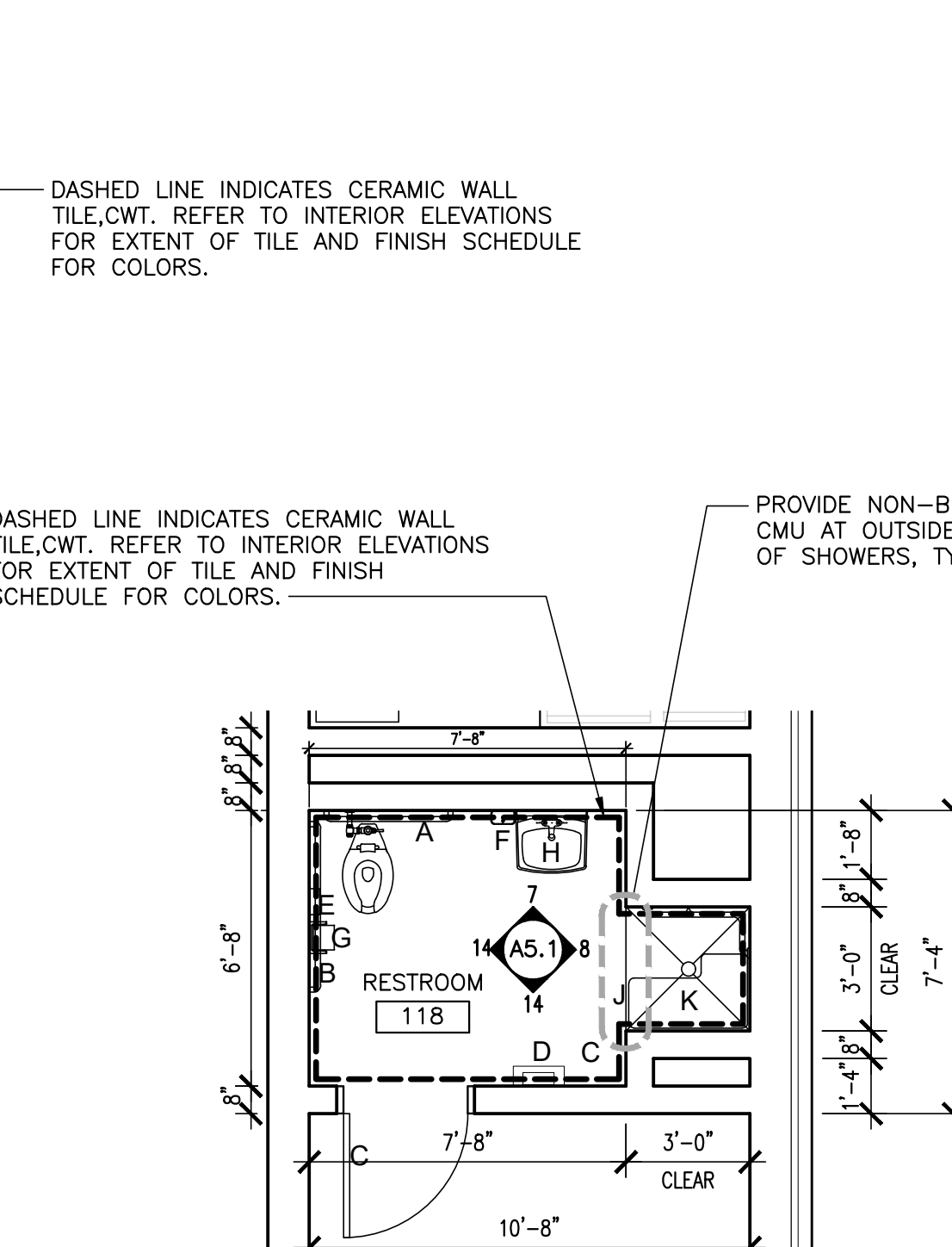
OF 24



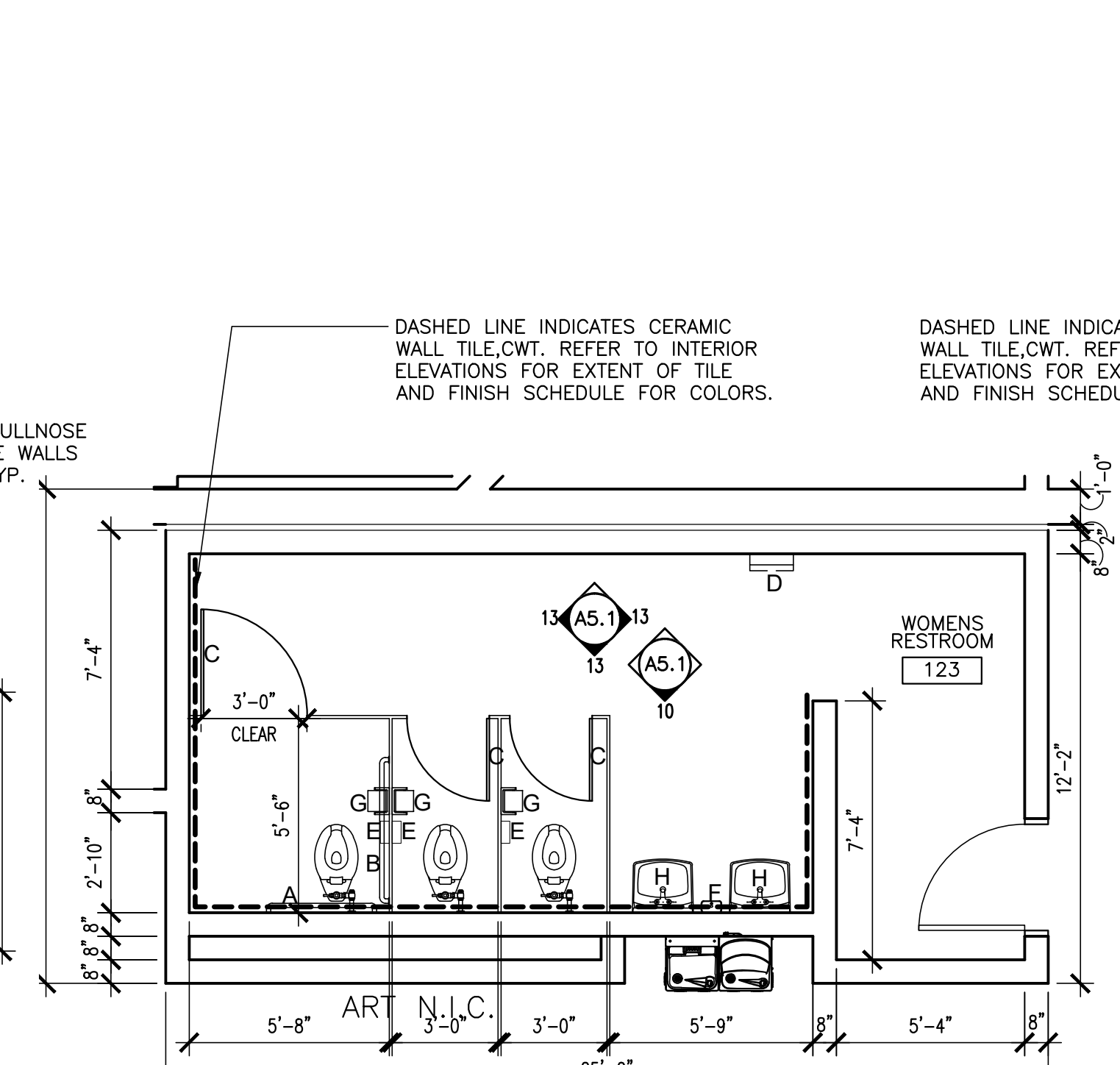




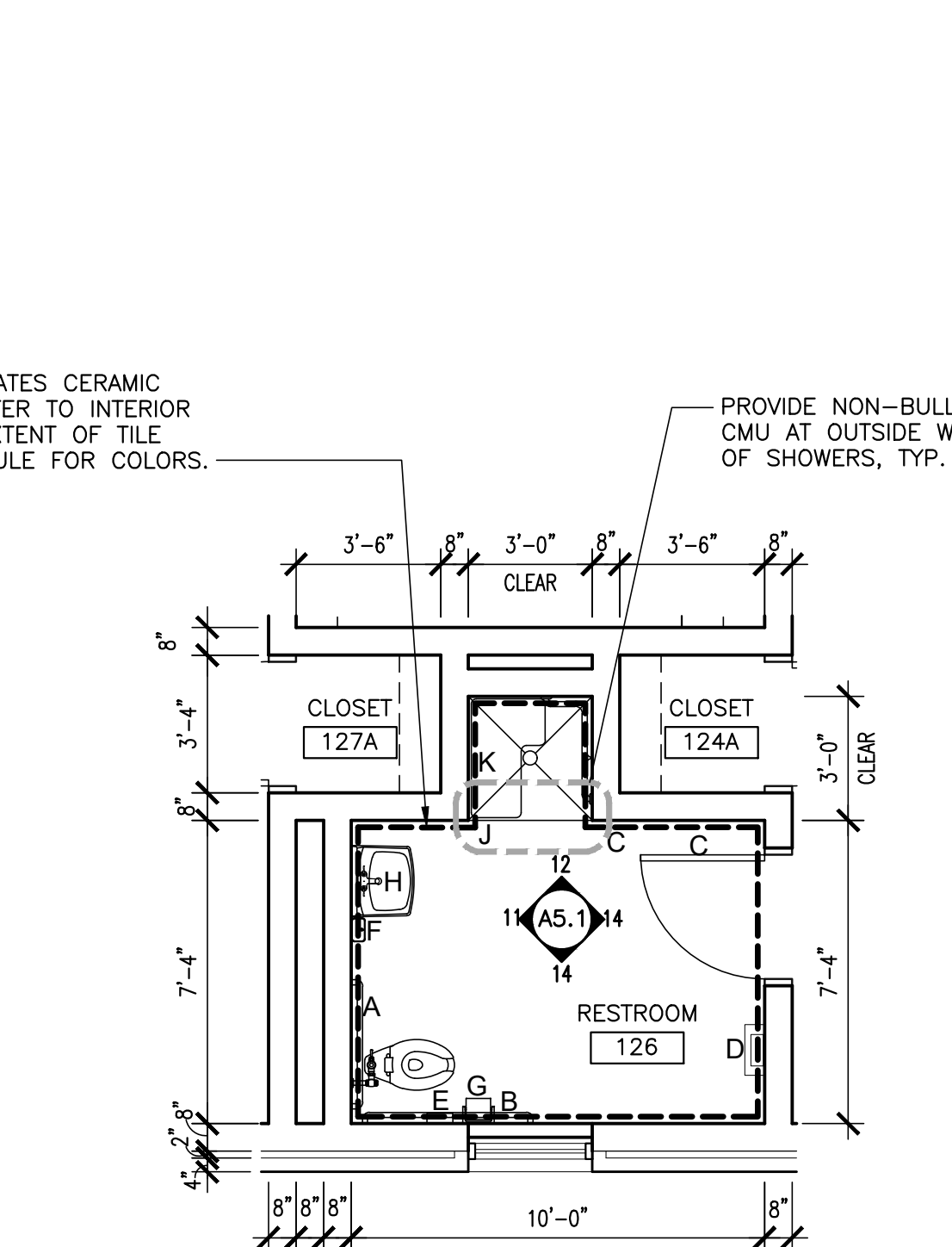
1 ENLARGED TOILET PLAN
SCALE: 1/4" = 1'-0"
MEN'S 108



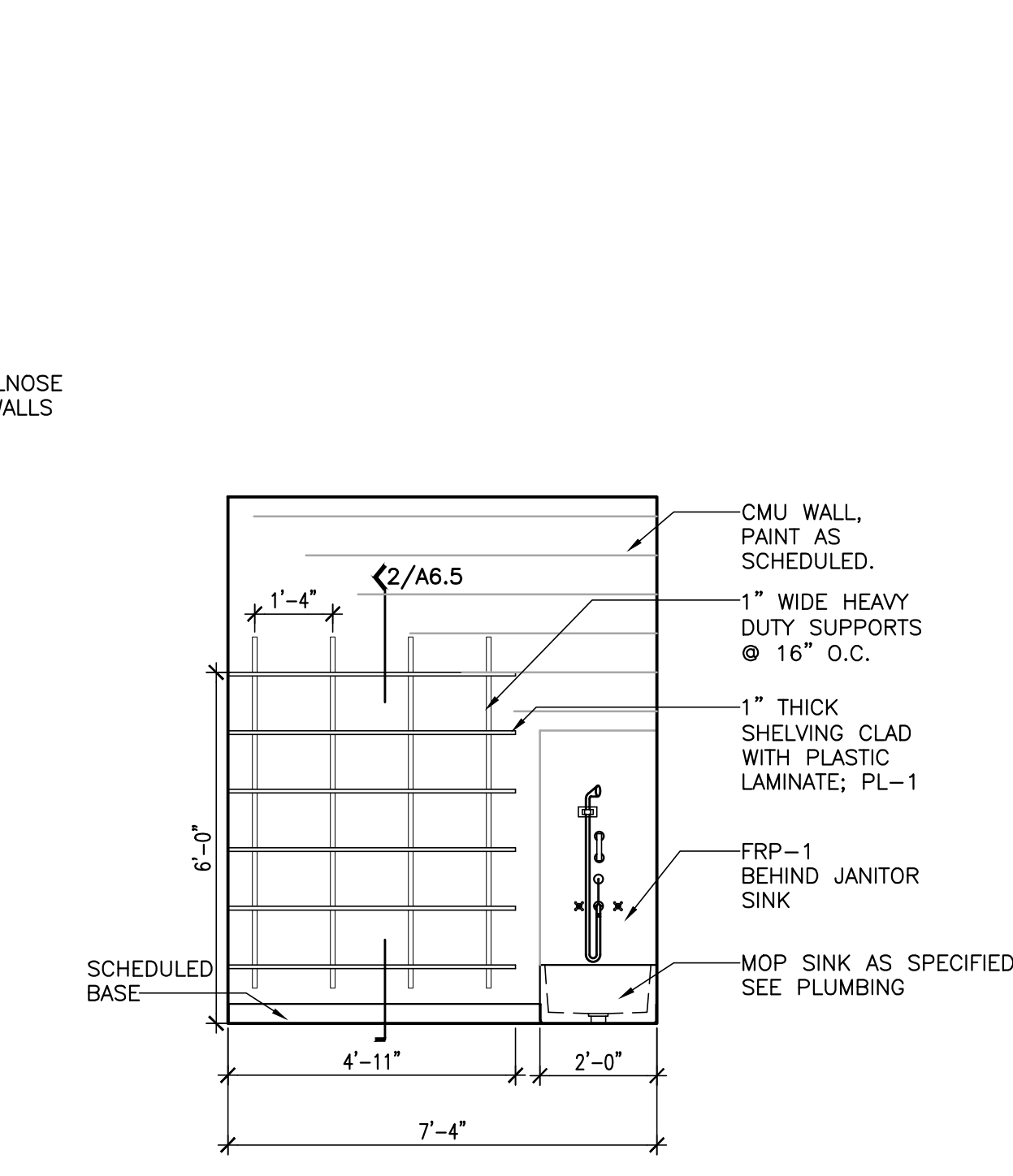
2 ENLARGED TOILET PLAN
SCALE: 1/4" = 1'-0"
RESTROOM 118



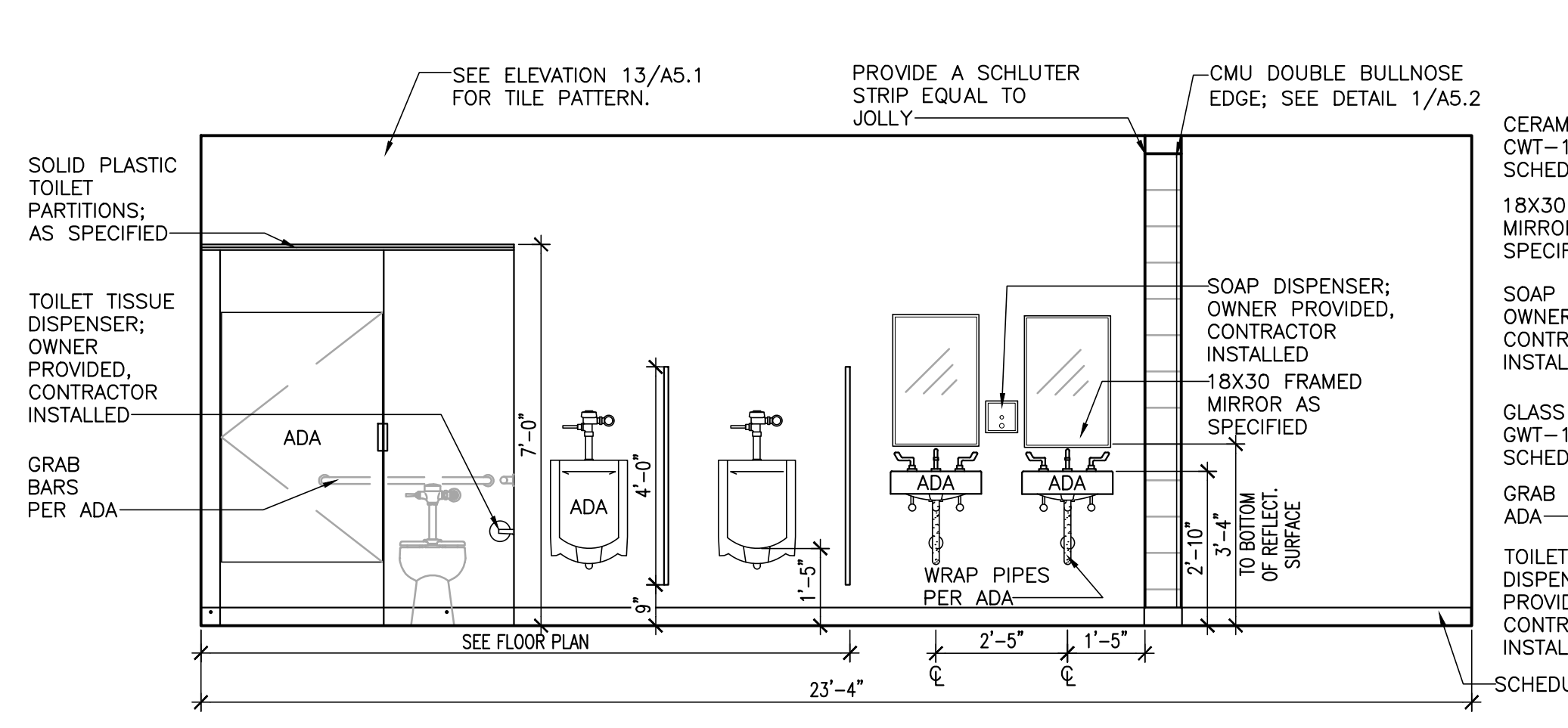
3 ENLARGED TOILET PLAN
SCALE: 1/4" = 1'-0"
WOMEN'S 123



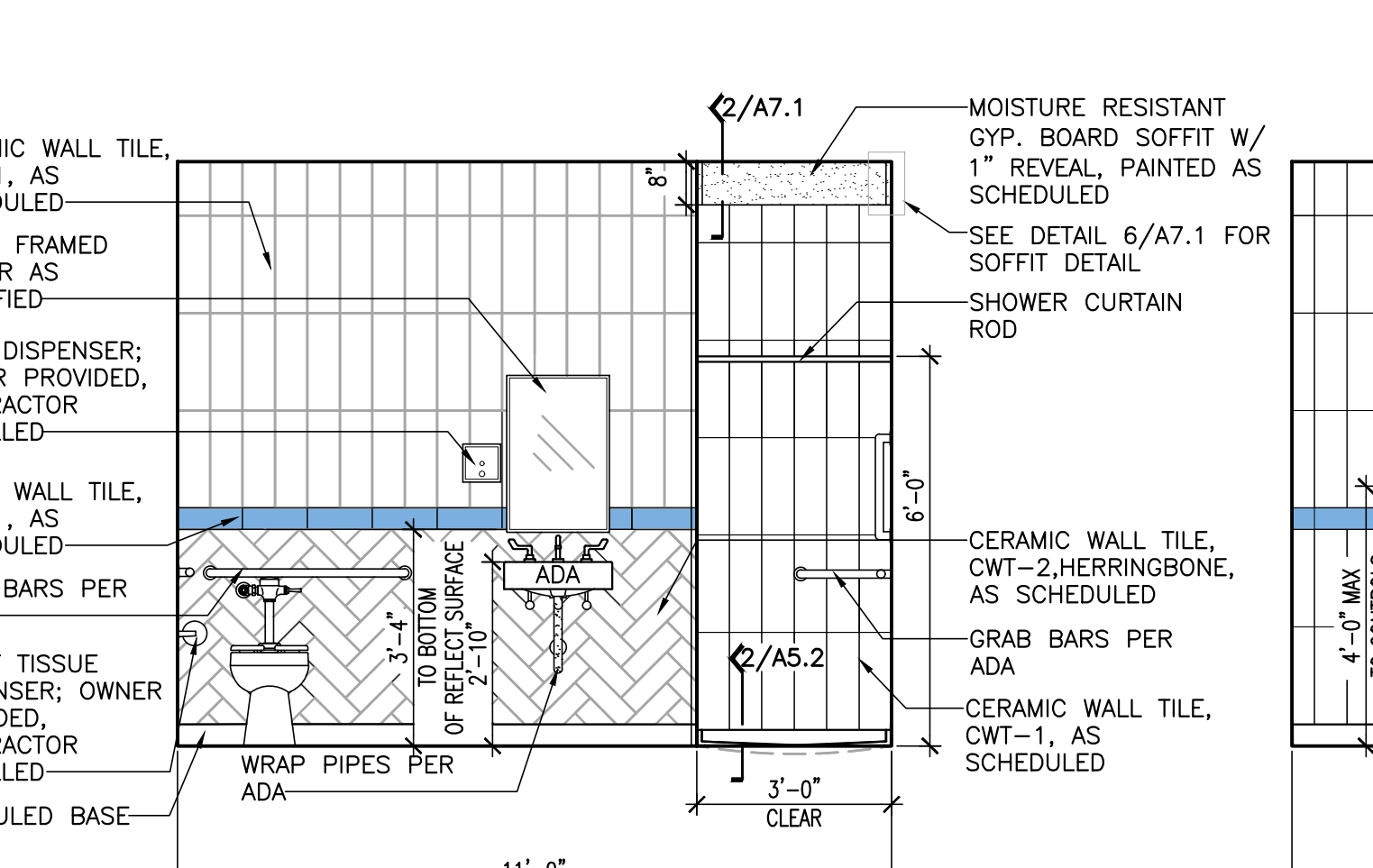
4 ENLARGED TOILET PLAN
SCALE: 1/4" = 1'-0"
RESTROOM 126



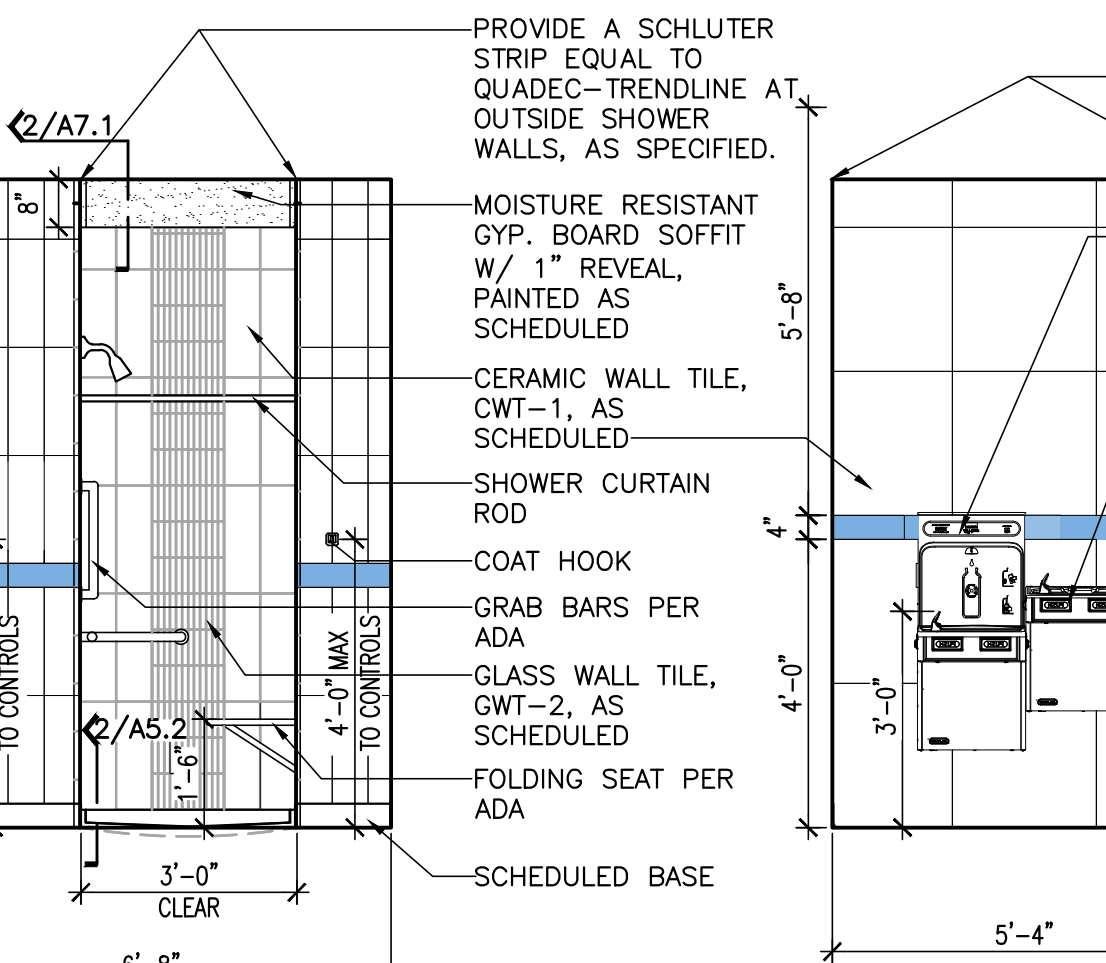
5 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0"
JAN 104



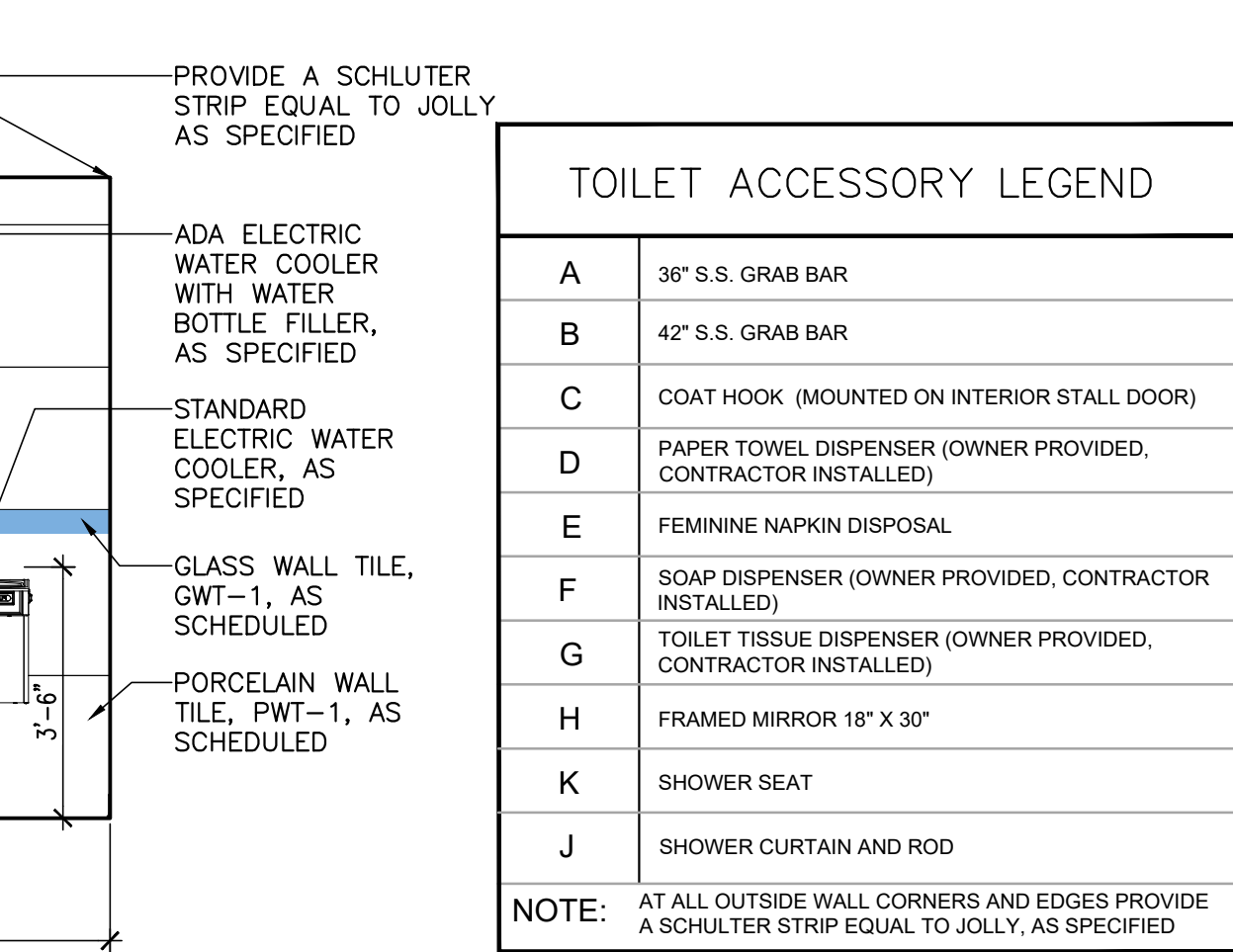
6 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0"
MEN'S 108



7 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0"
RESTROOM 118



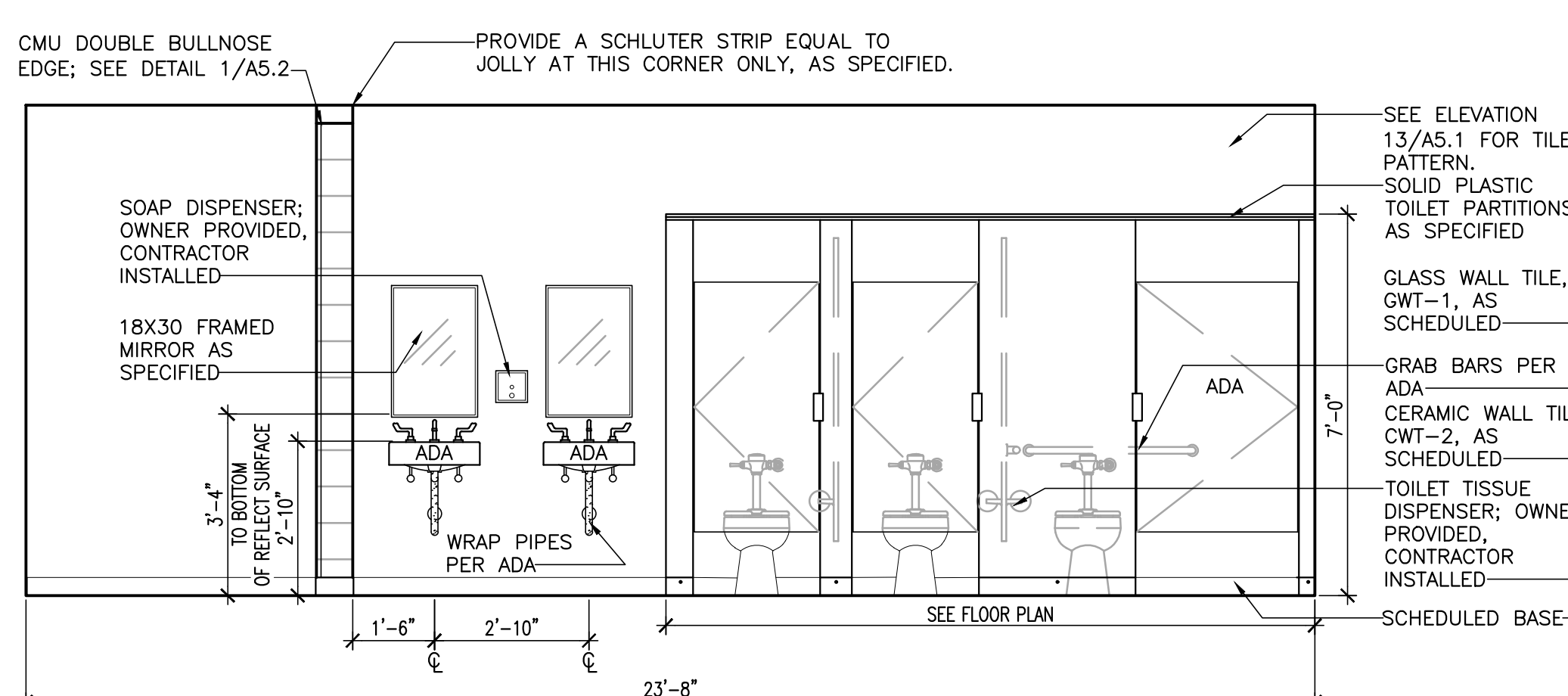
8 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0"
RESTROOM 118



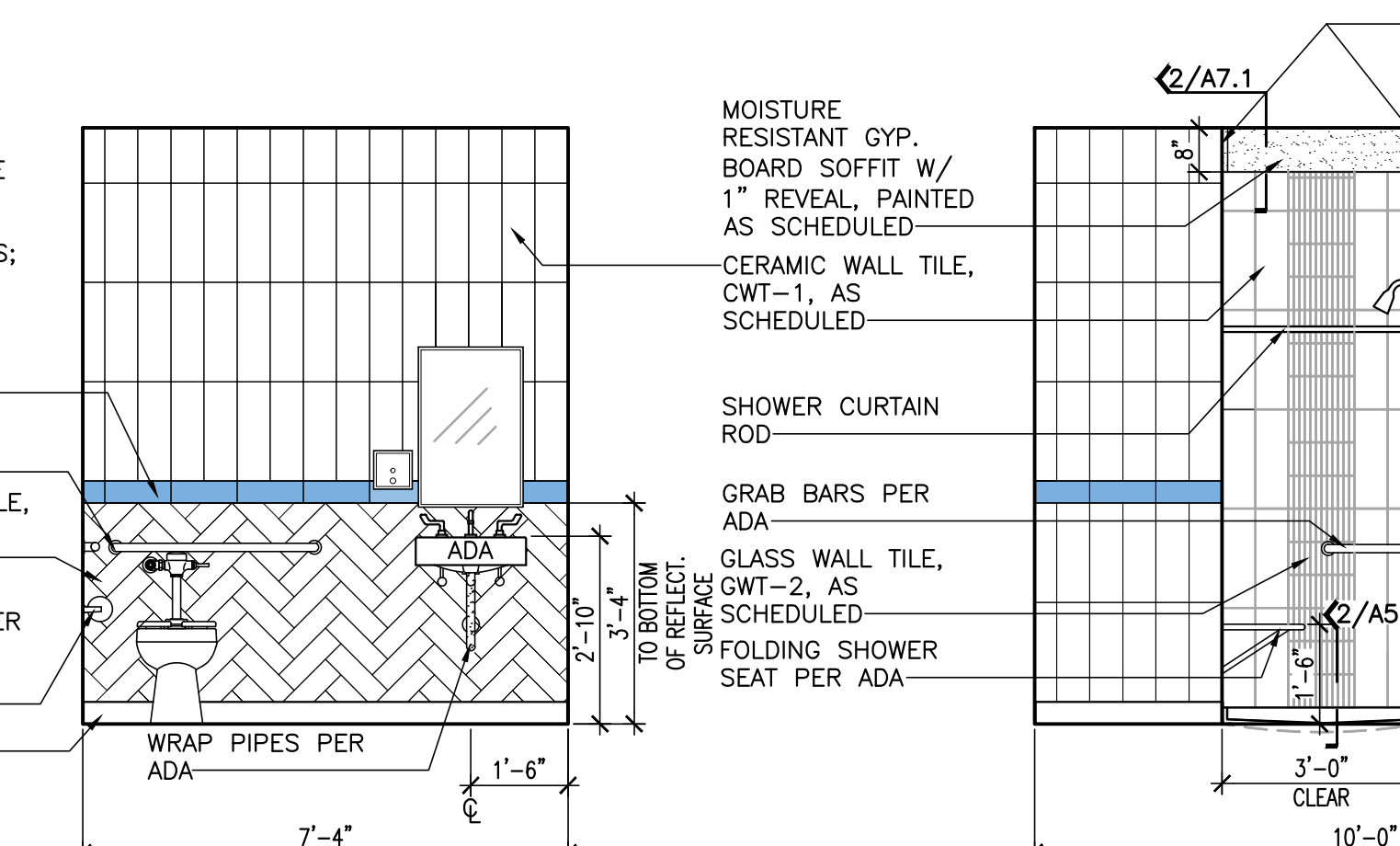
9 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0"
EWC CORRIDOR 125

TOILET ACCESSORY LEGEND	
A	36" S.S. GRAB BAR
B	42" S.S. GRAB BAR
C	COAT HOOK (MOUNTED ON INTERIOR STALL DOOR)
D	PAPER TOWEL DISPENSER (OWNER PROVIDED, CONTRACTOR INSTALLED)
E	FEMININE NAPKIN DISPOSAL
F	SOAP DISPENSER (OWNER PROVIDED, CONTRACTOR INSTALLED)
G	TOILET TISSUE DISPENSER (OWNER PROVIDED, CONTRACTOR INSTALLED)
H	FRAMED MIRROR 18" X 30"
K	SHOWER SEAT
J	SHOWER CURTAIN AND ROD

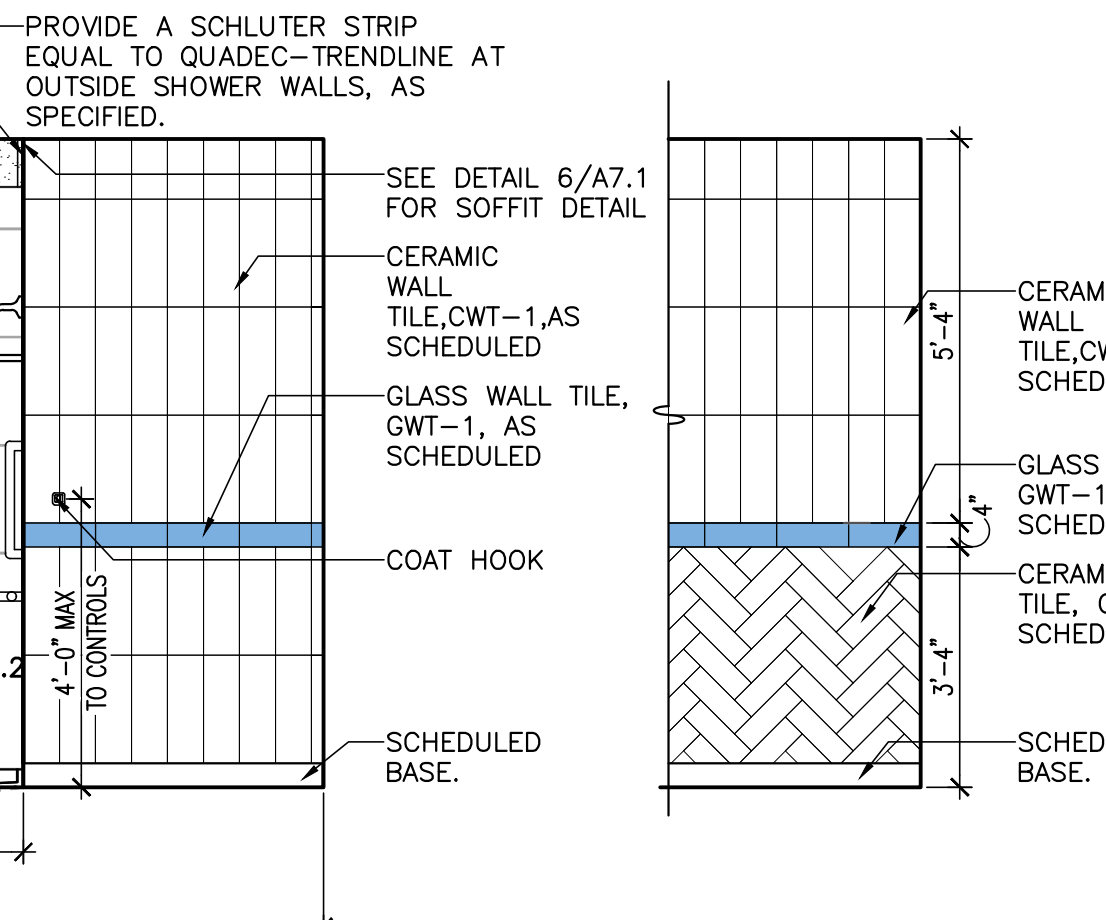
NOTE: AT ALL OUTSIDE WALL CORNERS AND EDGES PROVIDE A SCHLUTER STRIP EQUAL TO JOLLY, AS SPECIFIED



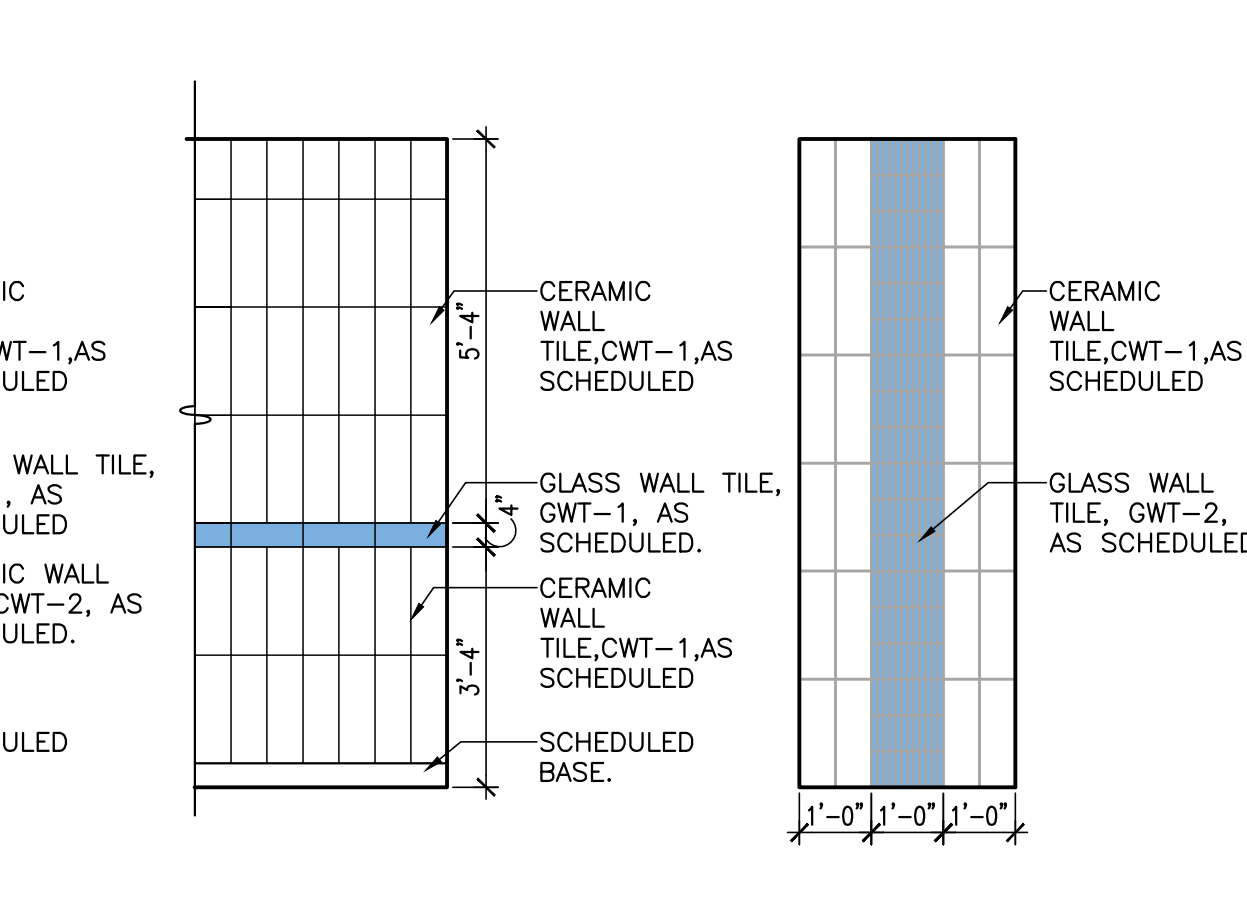
10 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0"
WOMEN'S 123



11 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0"
RESTROOM 126



12 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0"
RESTROOM 126



13 INT.ELEV. TYPICAL TILE PATTERN
SCALE: 3/8" = 1'-0"
RESTROOM 118 AND RESTROOM 126

14 INT.ELEV. TYPICAL TILE PATTERN
SCALE: 3/8" = 1'-0"
RESTROOM 118 AND RESTROOM 126

15 INT.ELEV. TYPICAL TILE PATTERN
SCALE: 3/8" = 1'-0"
RESTROOM 118 AND RESTROOM 126



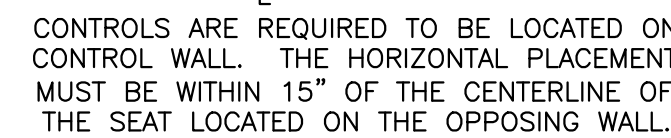
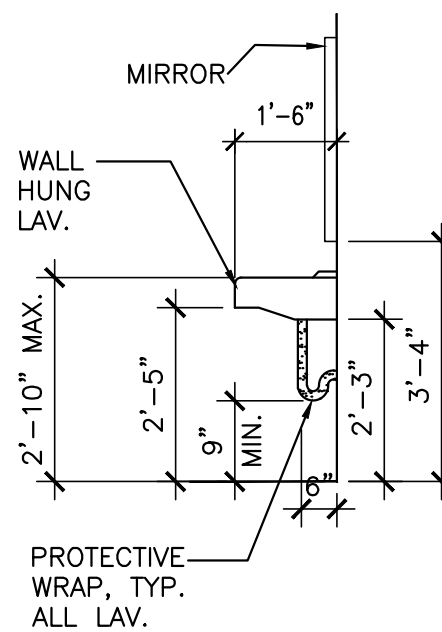
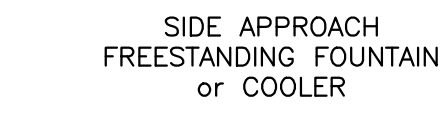
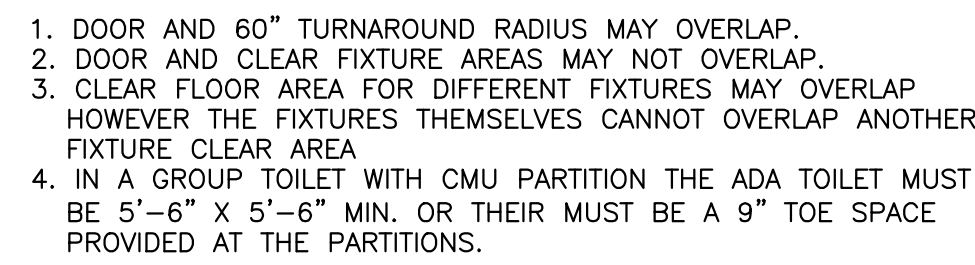
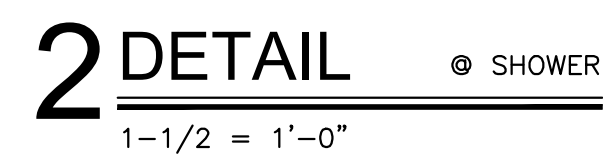
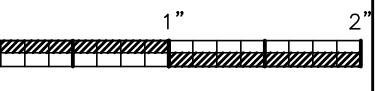
NEW EMMR CENTER FOR
RUSSELL COUNTY, ALABAMA
 5TH STREET SOUTH, PHENIX CITY AL 36869
 RUSSELL COUNTY COMMISSION

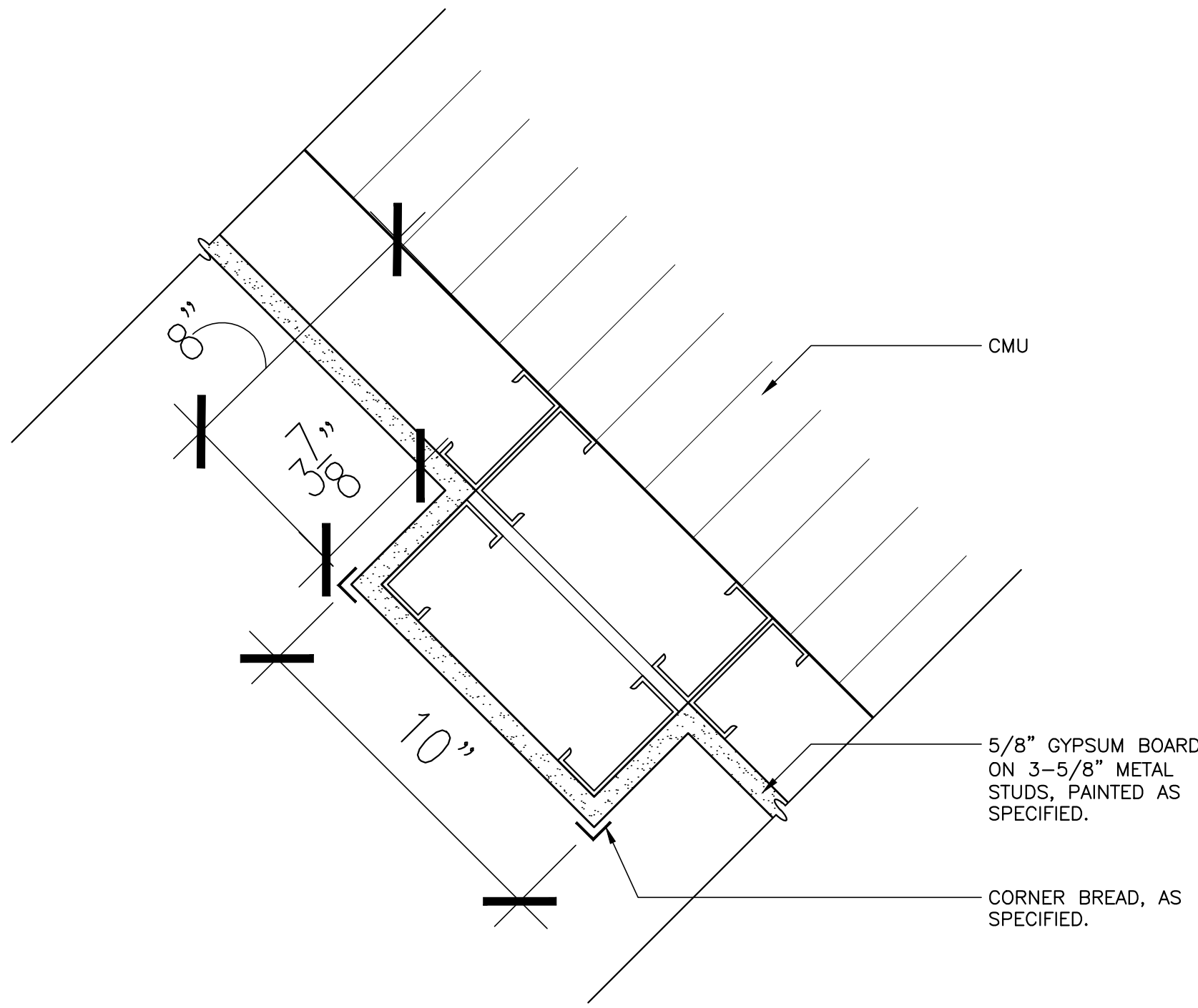
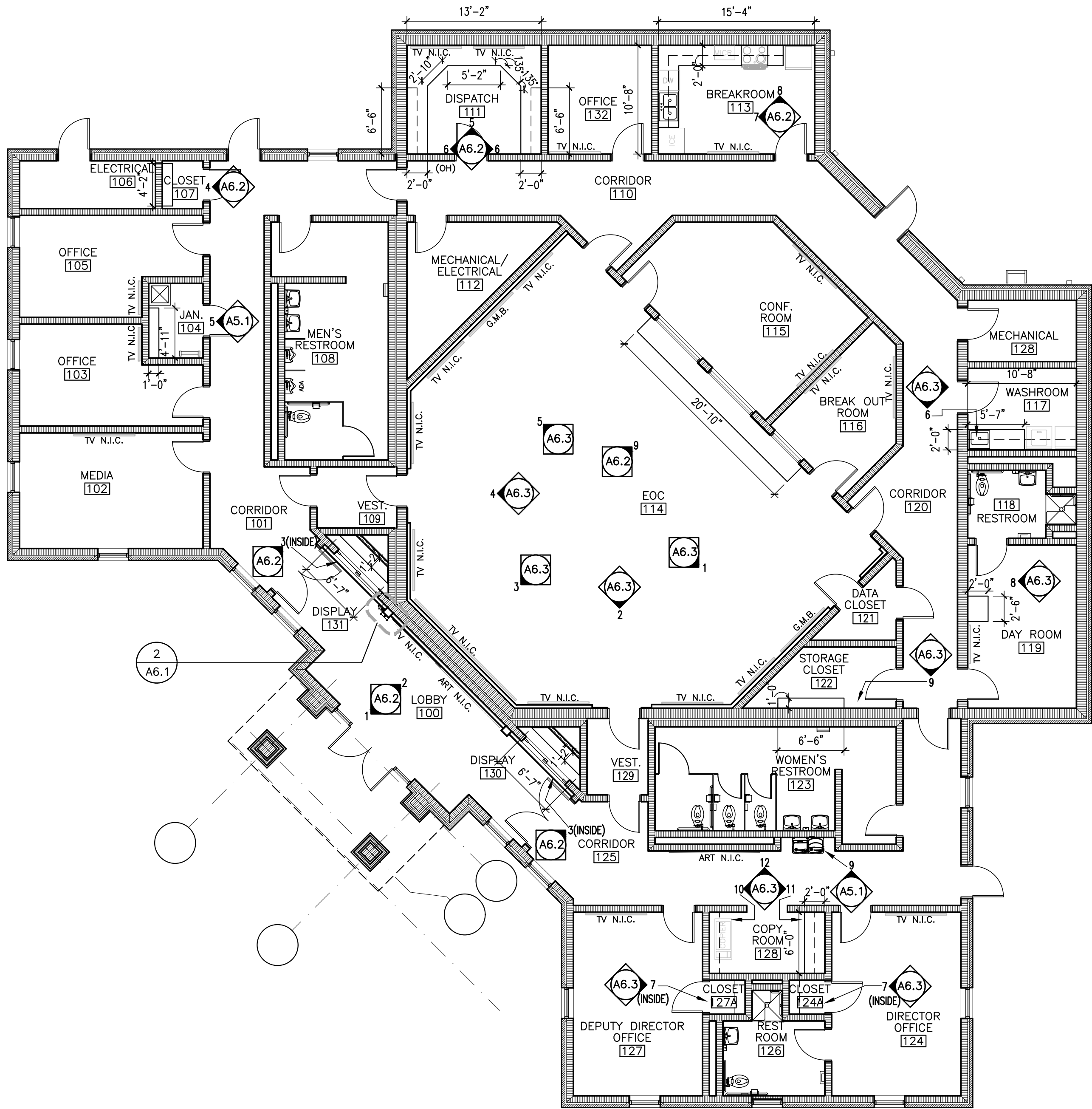
STATE OF ALABAMA
No. 7007
RYAN D. VERNON
REGISTERED ARCHITECT

1000

A5.2

4 OF 24





2 ENLARGED PLAN DETAIL • LOBBY PILASTER
SCALE: 3" = 1'-0"

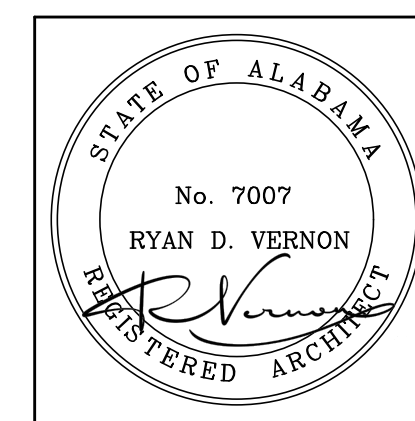
1 CASEWORK PLAN
SCALE: 1/8" = 1'-0"



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NEW EMA CENTER FOR
RUSSELL COUNTY, ALABAMA
5TH STREET SOUTH, PHENIX CITY AL 36869
RUSSELL COUNTY COMMISSION

SHEET TITLE:
INTERIOR ELEVATIONS



PROJ. MGR.: R. VERNON

DRAWN: LKB

DATE: 10-24-2025

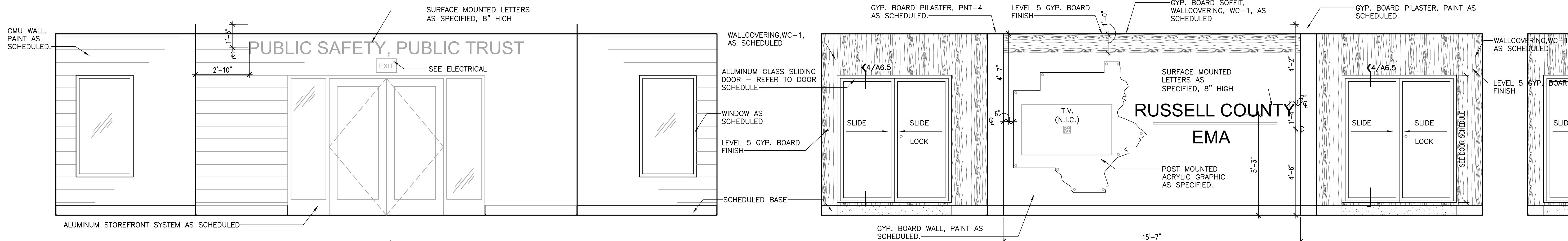
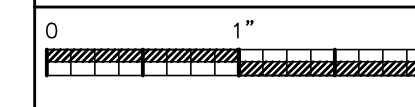
REVISIONS

JOB NO. 25-13

SHEET NO:

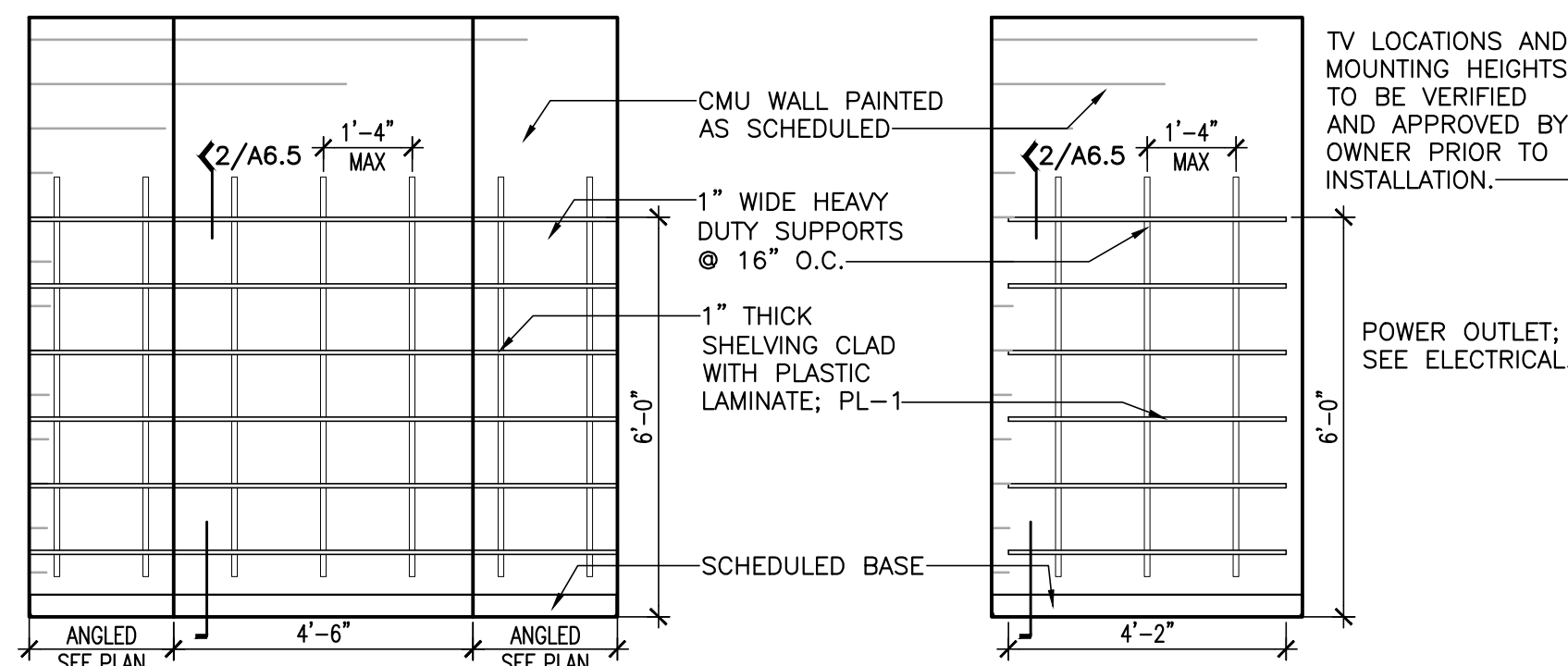
A6.2

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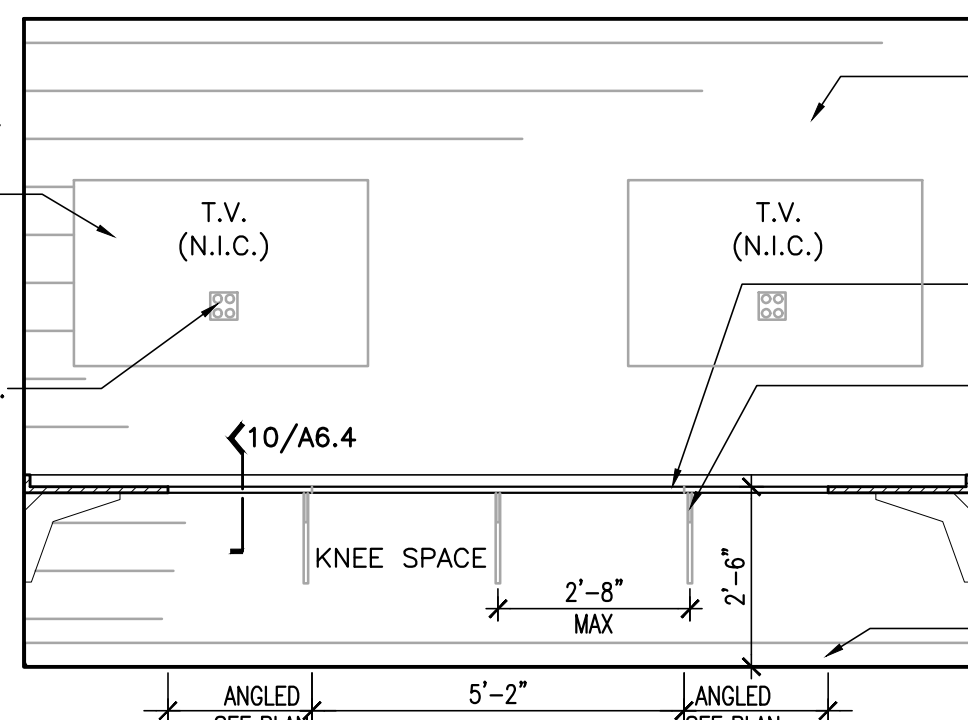
INTERIOR
1 ELEVATION @ LOBBY 100
SCALE: 3/8" = 1'-0"

INTERIOR
2 ELEVATION @ LOBBY 100
SCALE: 3/8" = 1'-0"

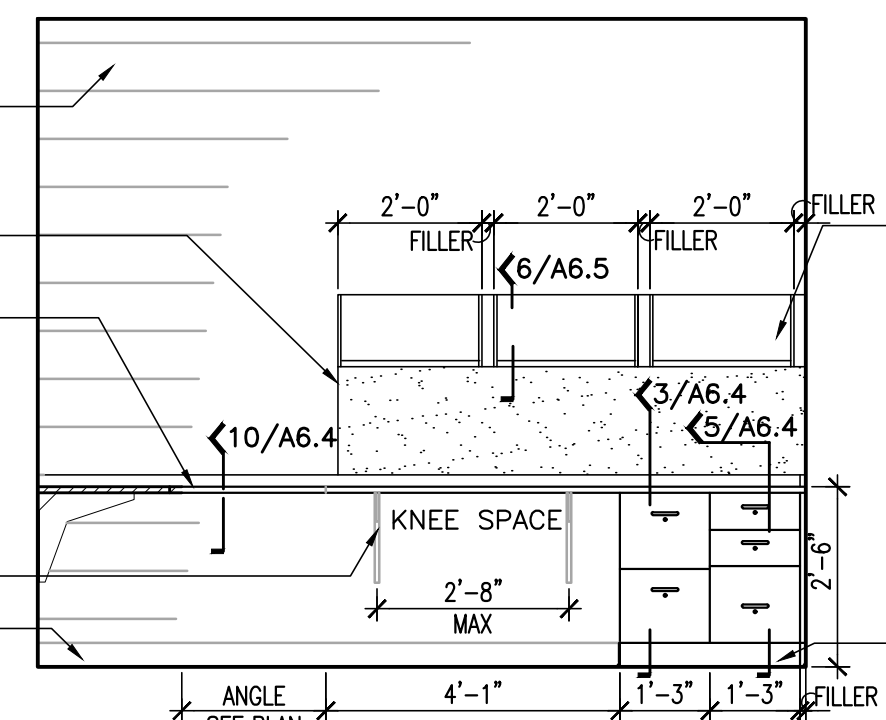


INTERIOR
3 ELEVATION @ DISPLAY 130 & DISPLAY 131 (OH)
SCALE: 3/8" = 1'-0"

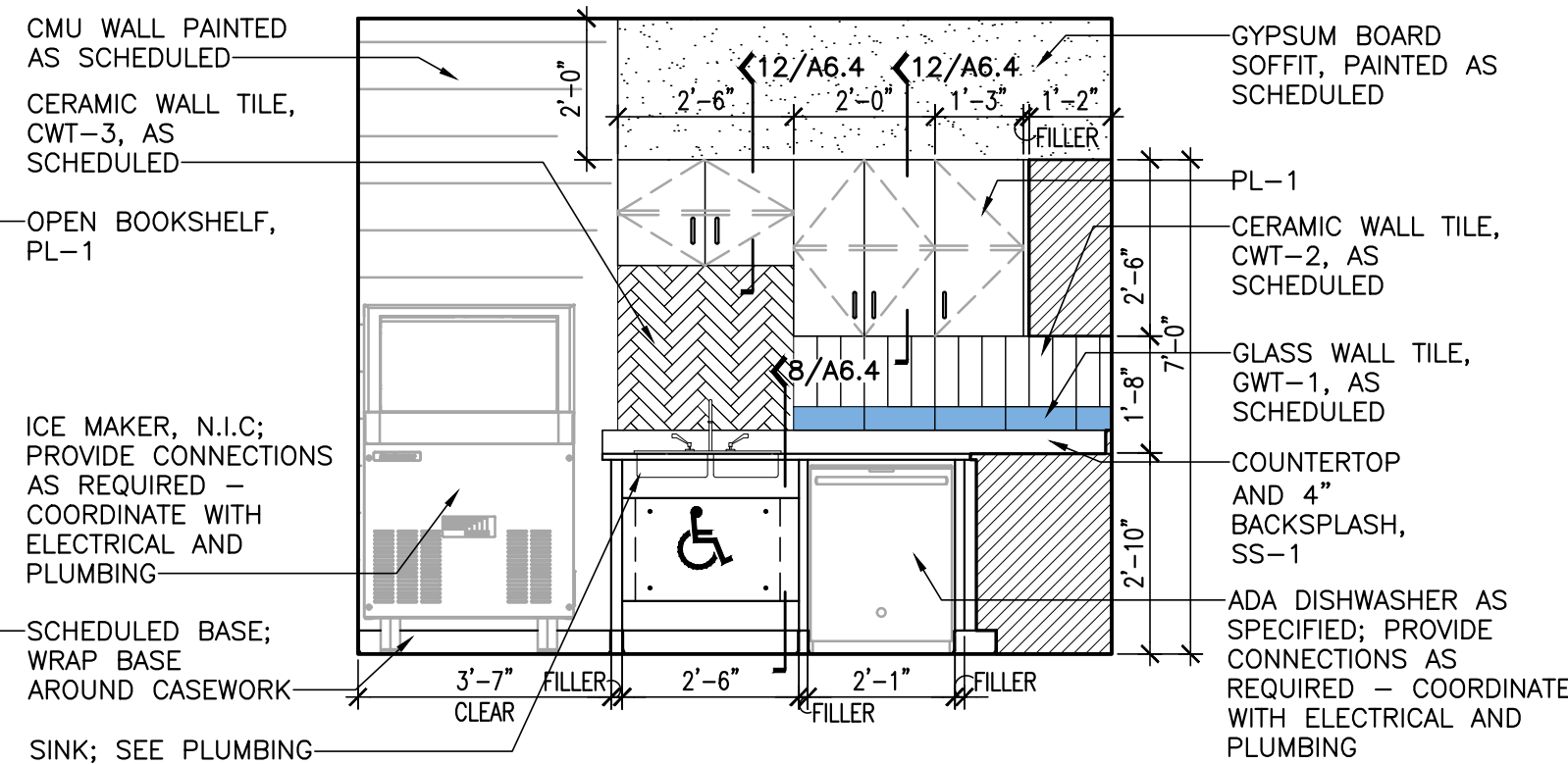
INTERIOR
4 ELEVATION @ CLOSET 107
SCALE: 3/8" = 1'-0"



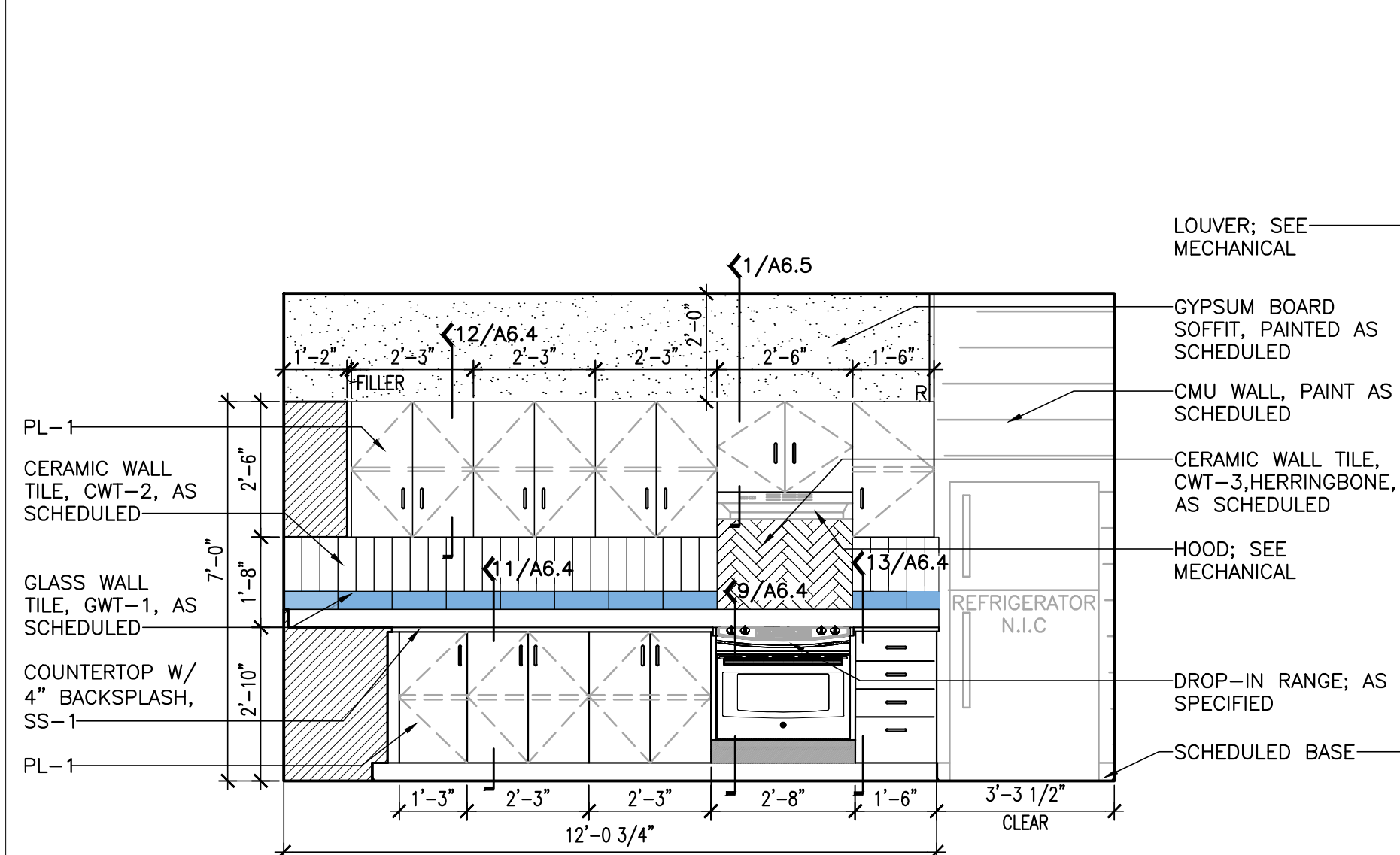
INTERIOR
5 ELEVATION @ DISPATCH 111
SCALE: 3/8" = 1'-0"



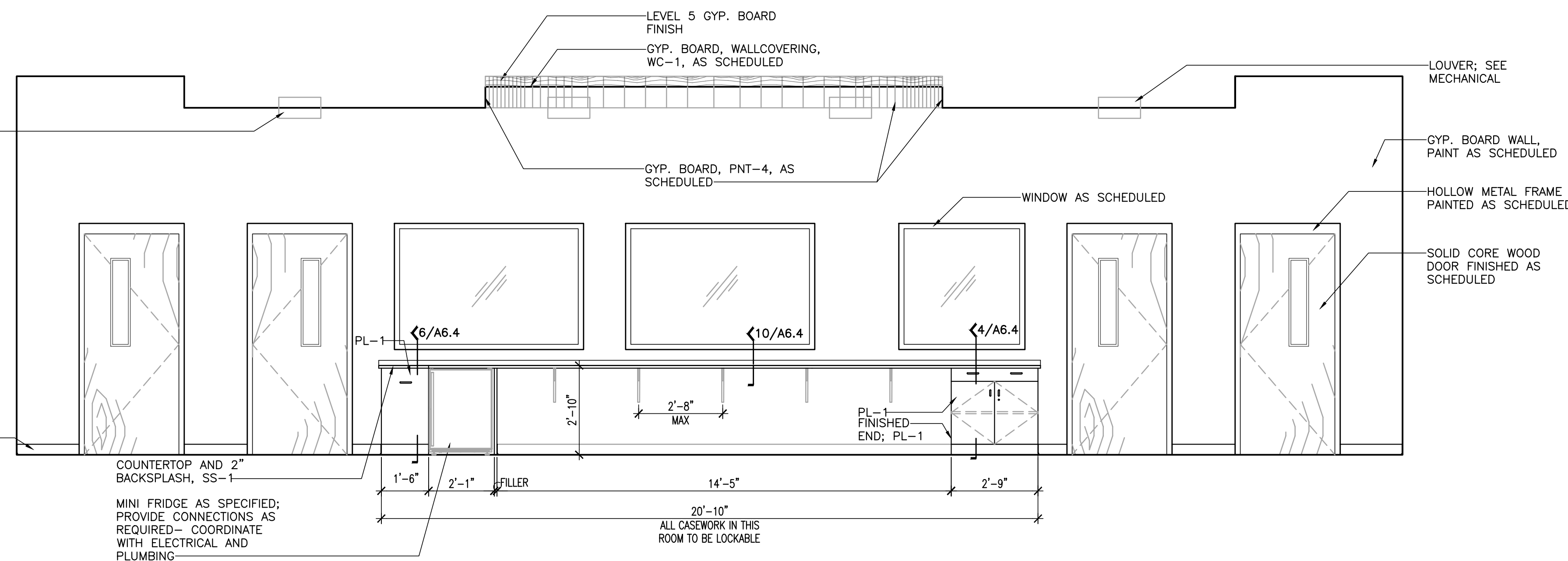
INTERIOR
6 ELEVATION @ DISPATCH 111
SCALE: 3/8" = 1'-0"



INTERIOR
7 ELEVATION @ BREAK ROOM 113
SCALE: 3/8" = 1'-0"



INTERIOR
8 ELEVATION @ BREAK ROOM 113
SCALE: 3/8" = 1'-0"



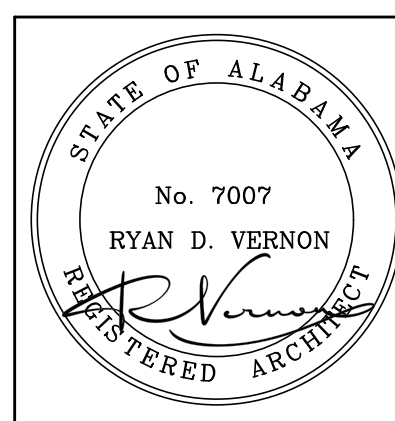
INTERIOR
9 ELEVATION @ EOC 114
SCALE: 3/8" = 1'-0"



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RUSSELL COUNTY, ALABAMA
5TH STREET SOUTH, PHENIX CITY AL 36869
RUSSELL COUNTY COMMISSION

SHEET TITLE:
INTERIOR ELEVATIONS



PROJ. MGR.: R. VERNON

DRAWN: LKB

DATE: 10-24-2025

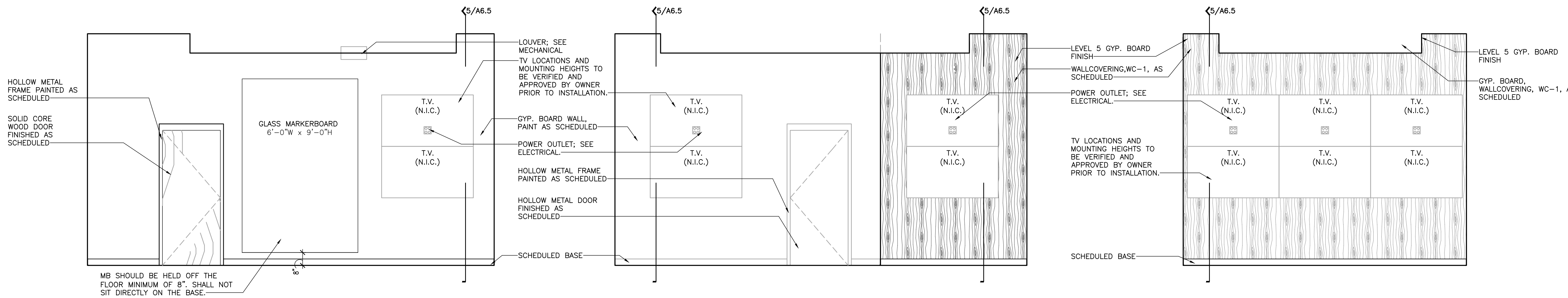
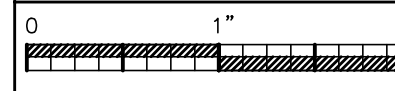
REVISIONS

JOB NO. 25-13

SHEET NO:

A6.3

17 OF 24

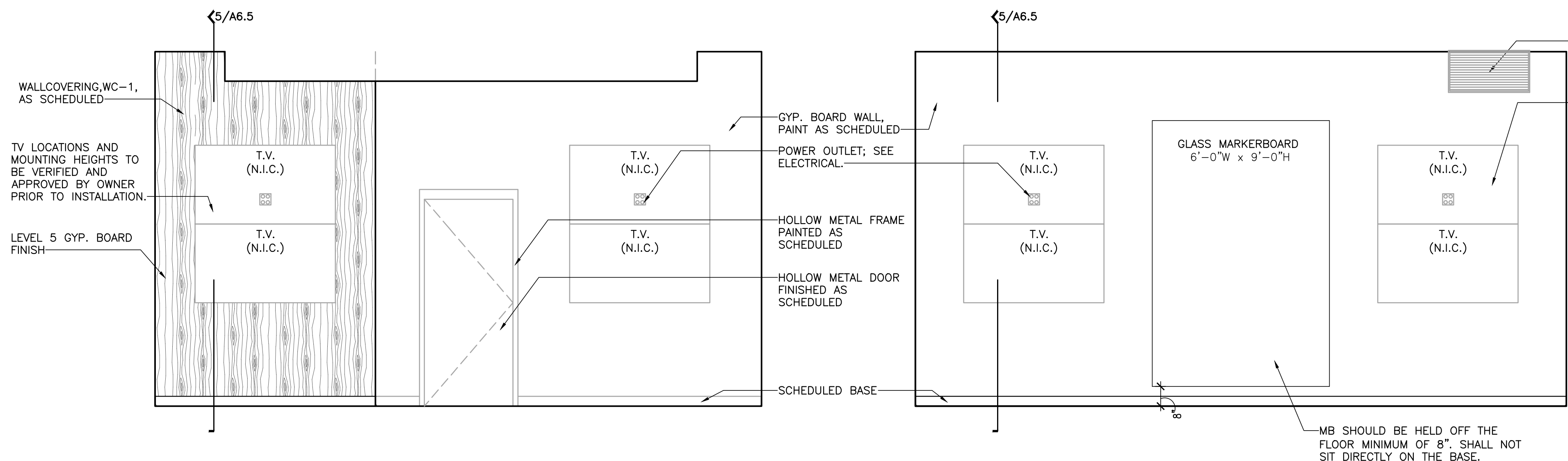


INTERIOR
1 ELEVATION © EOC 114
SCALE: 3/8" = 1'-0"

INTERIOR
2 ELEVATION © EOC 114
SCALE: 3/8" = 1'-0"

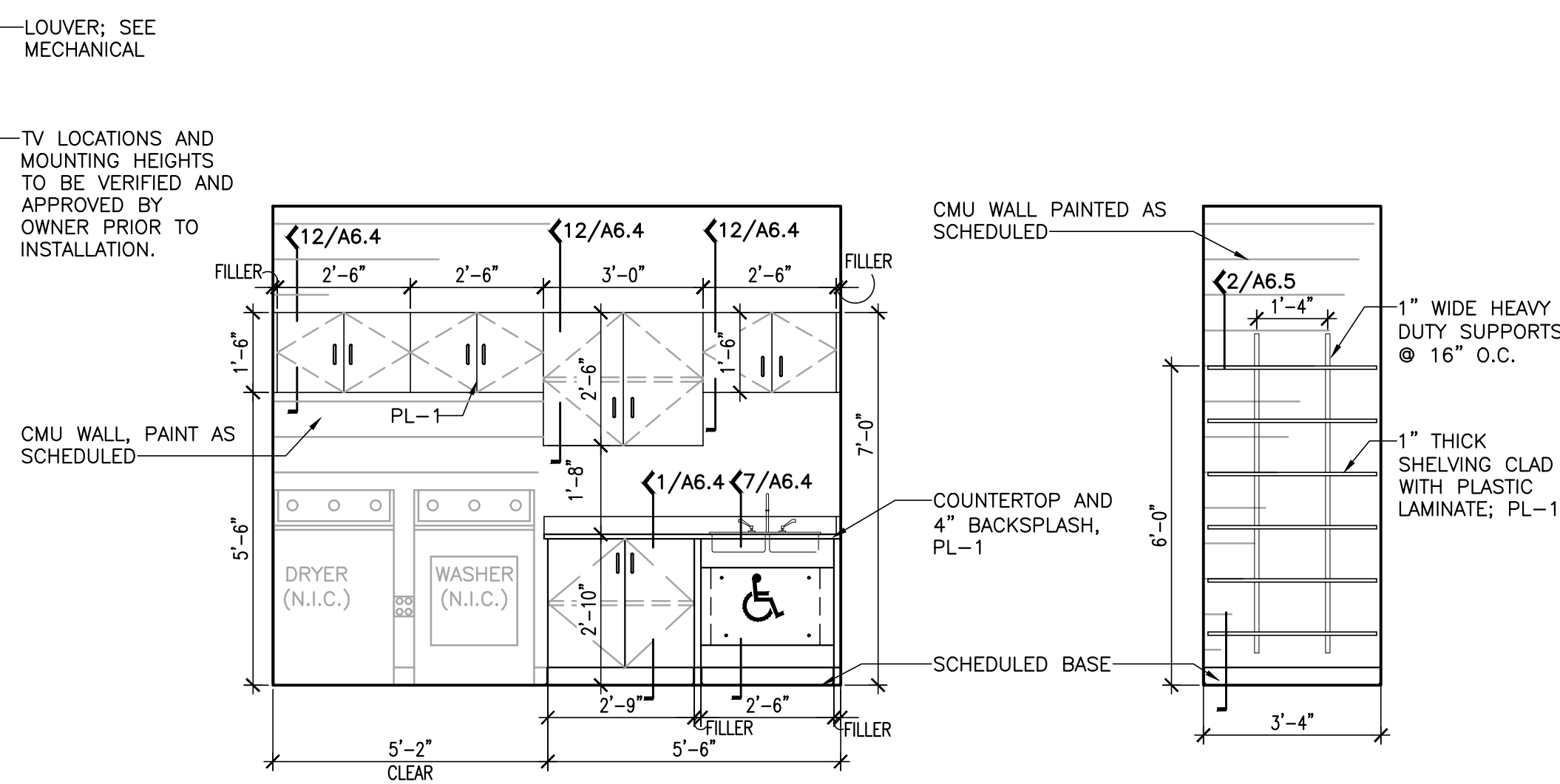
INTERIOR
3 ELEVATION © EOC 114
SCALE: 3/8" = 1'-0"

NOTE: ALL TV LOCATIONS AND MOUNTING HEIGHTS TO BE VERIFIED AND APPROVED BY OWNER PRIOR TO INSTALLATION.



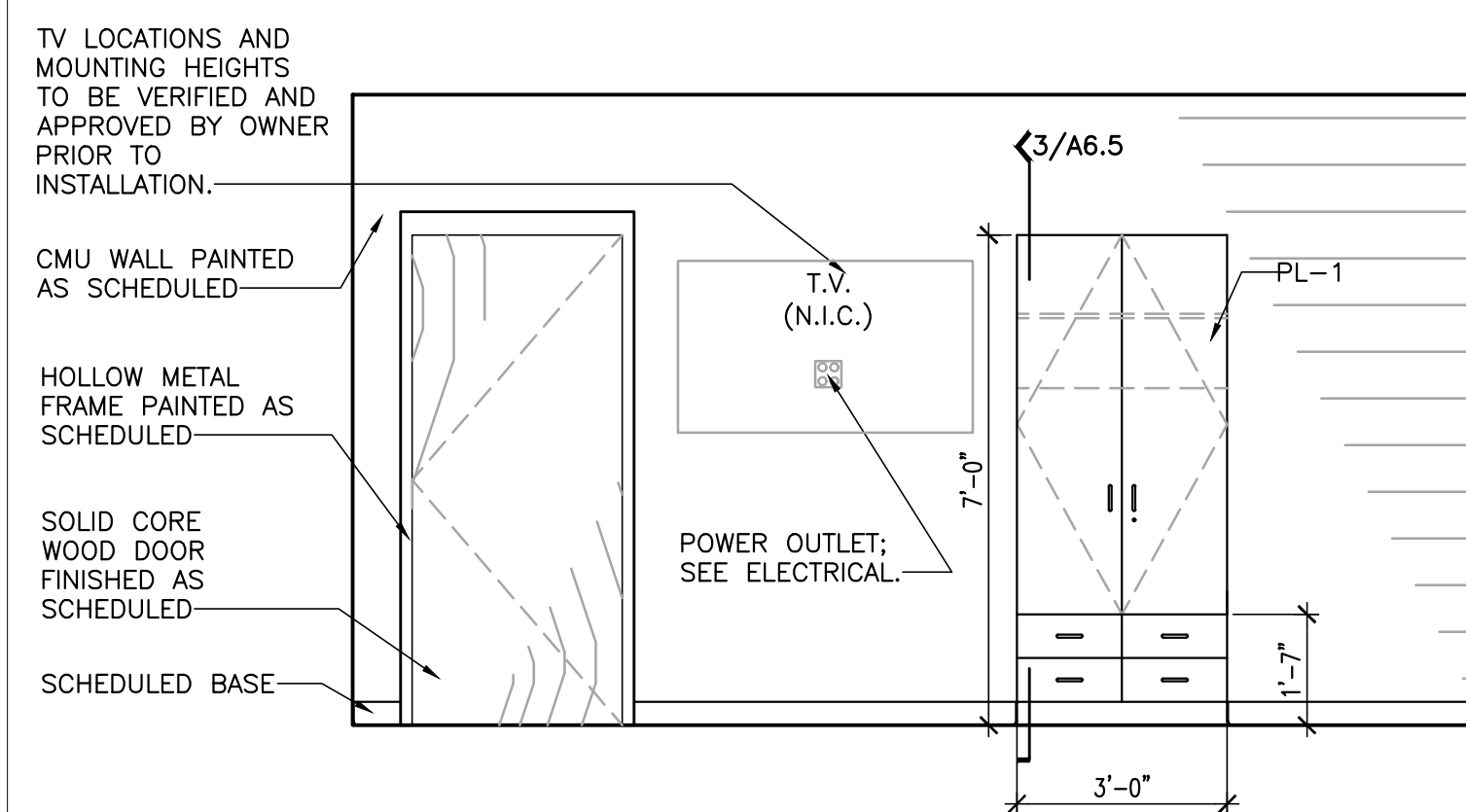
INTERIOR
4 ELEVATION © EOC 114
SCALE: 3/8" = 1'-0"

INTERIOR
5 ELEVATION © EOC 114
SCALE: 3/8" = 1'-0"

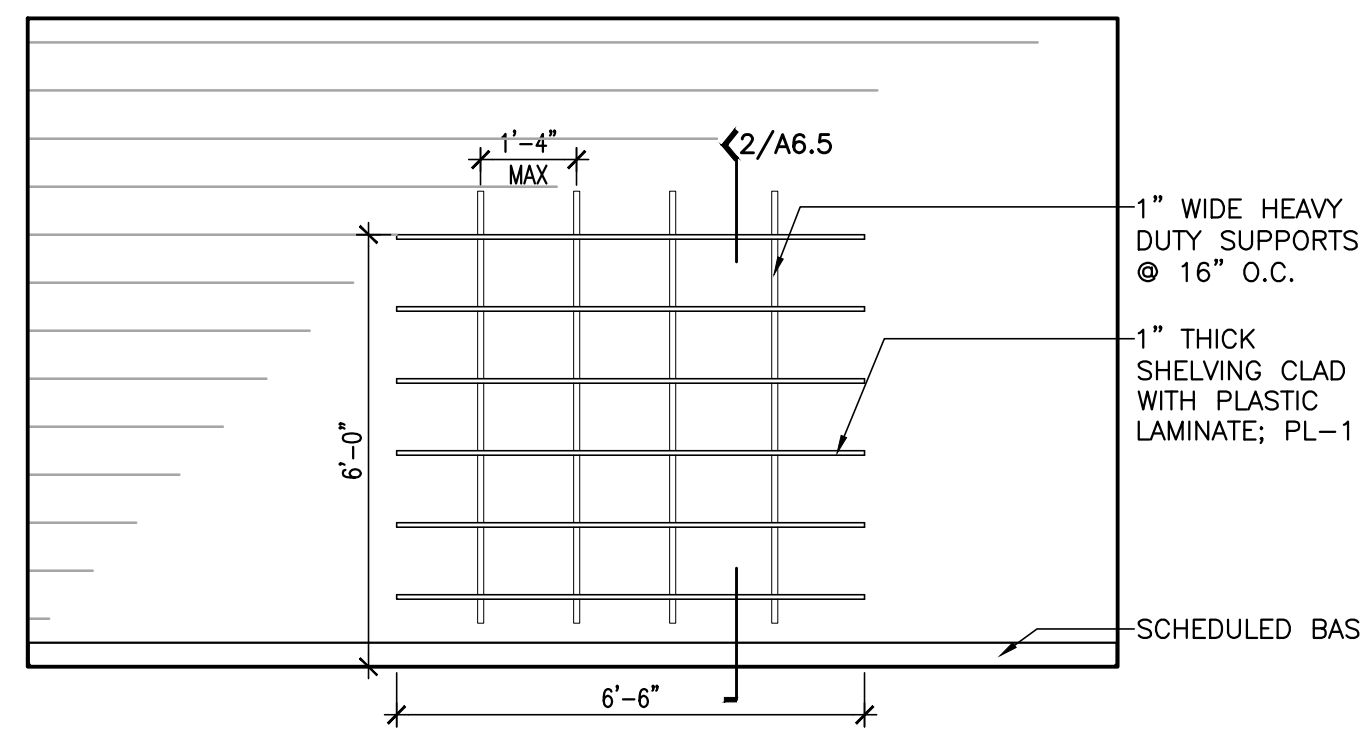


INTERIOR
6 ELEVATION © WASHROOM 117
SCALE: 3/8" = 1'-0"

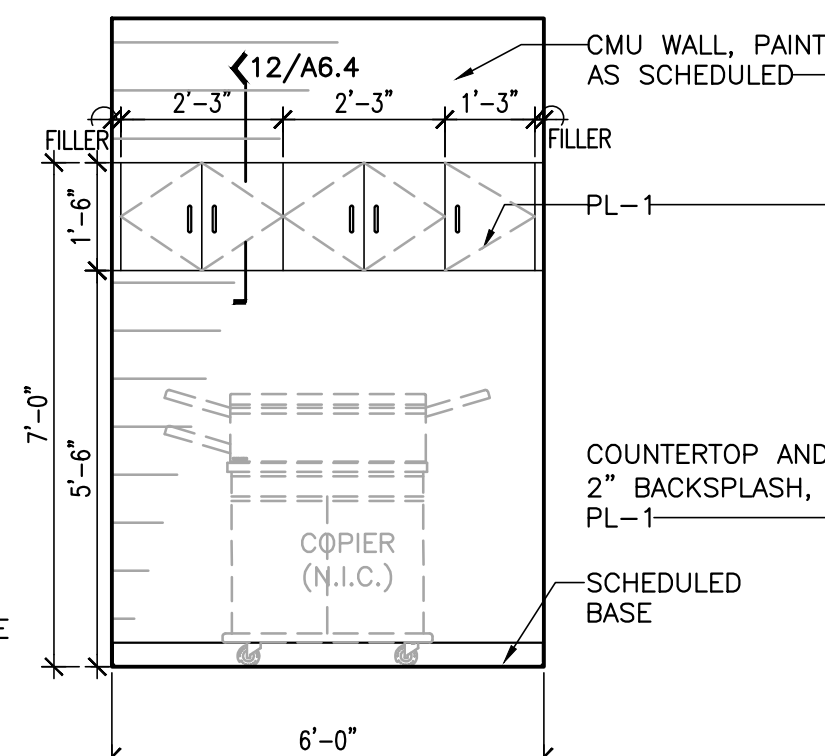
INTERIOR
7 ELEVATION © CLOSET 127A & CLOSET 124A
SCALE: 3/8" = 1'-0"



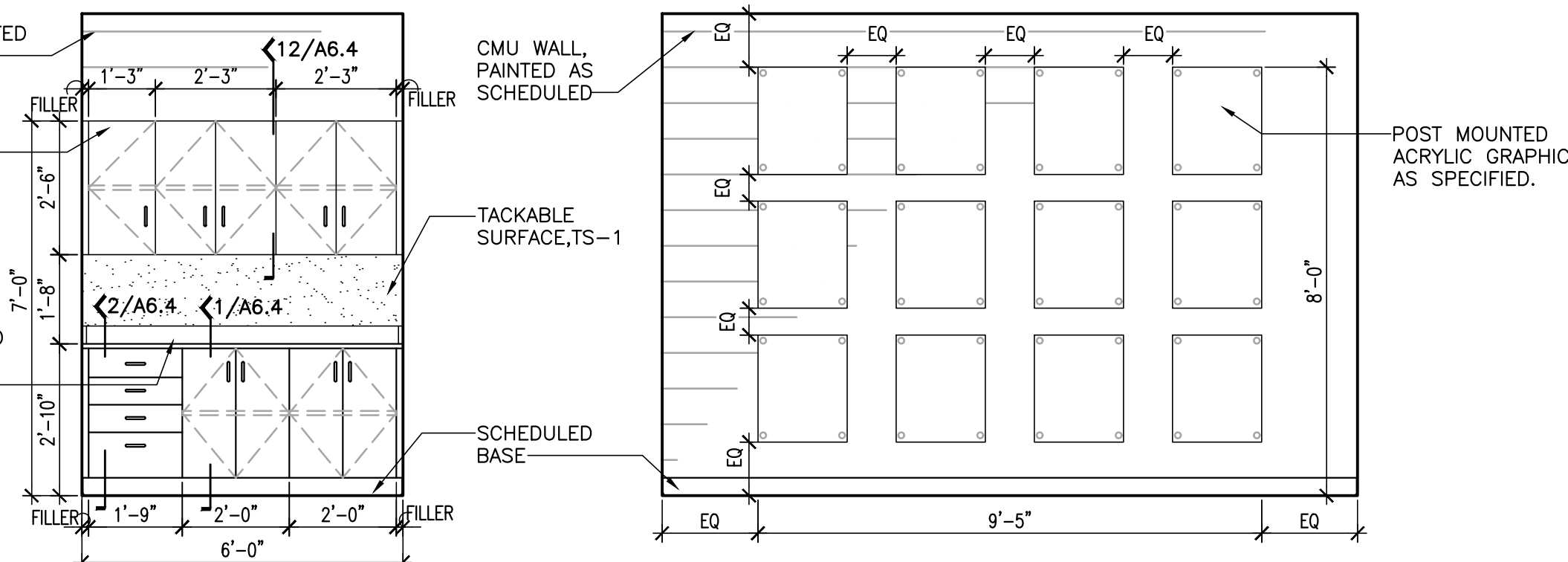
INTERIOR
8 ELEVATION © DAYROOM 119
SCALE: 3/8" = 1'-0"



INTERIOR
9 ELEVATION © STORAGE CLOSET 122
SCALE: 3/8" = 1'-0"



INTERIOR
10 ELEVATION © COPY ROOM 128
SCALE: 3/8" = 1'-0"



INTERIOR
11 ELEVATION © COPY ROOM 128
SCALE: 3/8" = 1'-0"

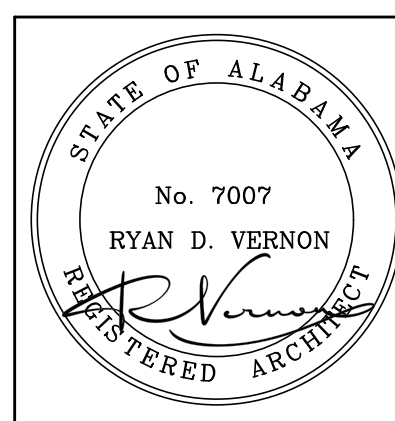
INTERIOR
12 ELEVATION © CORRIDOR 125
SCALE: 3/8" = 1'-0"



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NEW EWA CENTER FOR
RUSSELL COUNTY, ALABAMA
5TH STREET SOUTH, PHENIX CITY AL 36869
RUSSELL COUNTY COMMISSION

SHEET TITLE:
DETAILS



PROJ. MGR.: R. VERNON

DRAWN: LKB

DATE: 10-24-2025

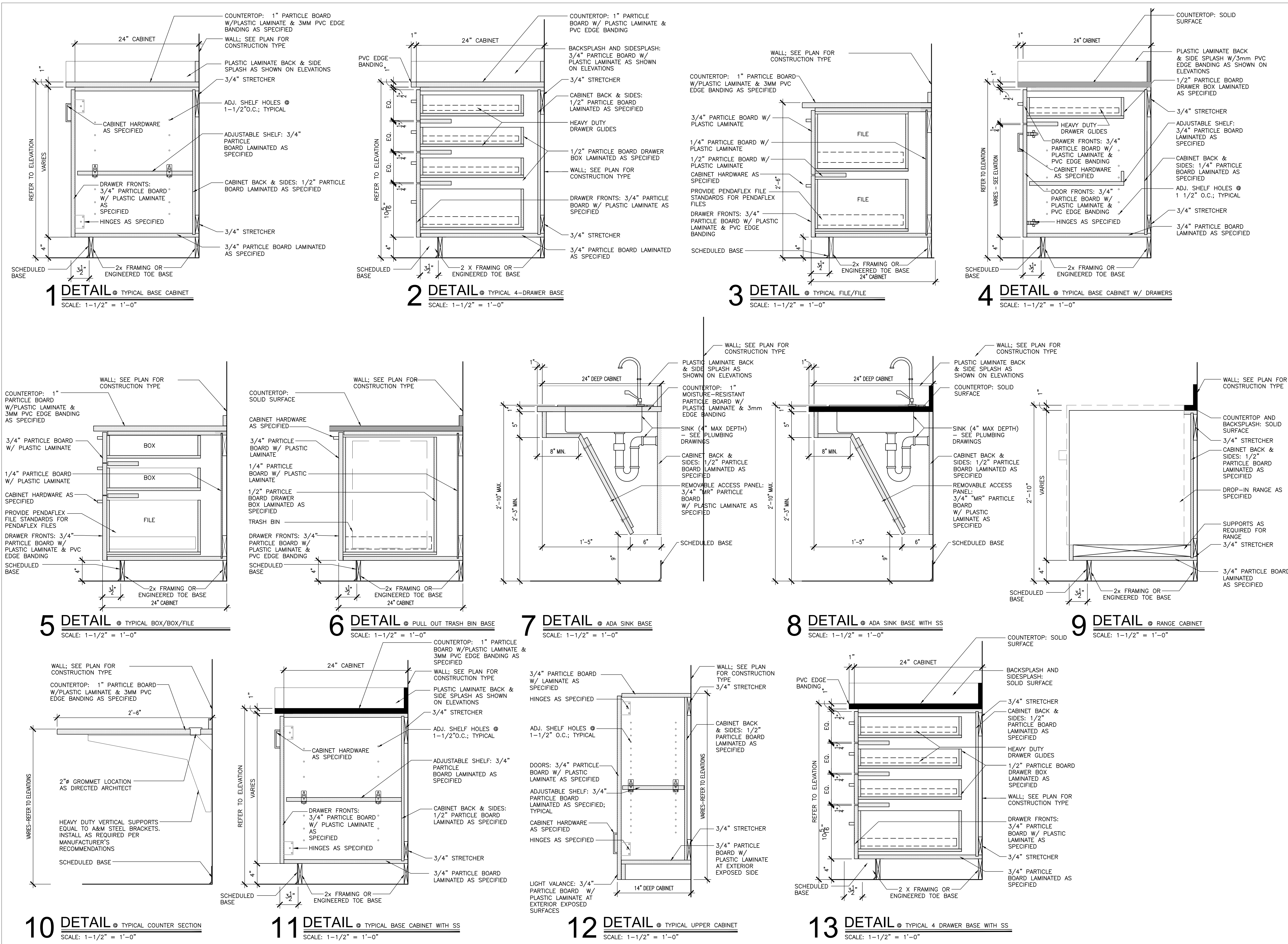
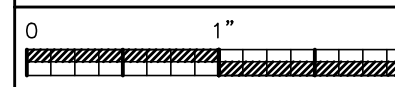
REVISIONS

JOB NO. 25-13

SHEET NO:

A6.4

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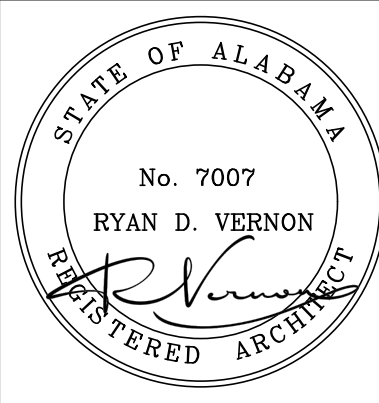




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RUSSELL COUNTY COMMISSION

SHEET TITLE:
DETAILS



PROJ. MGR.: R. VERNON

DRAWN: LKB

DATE: 10-24-2025

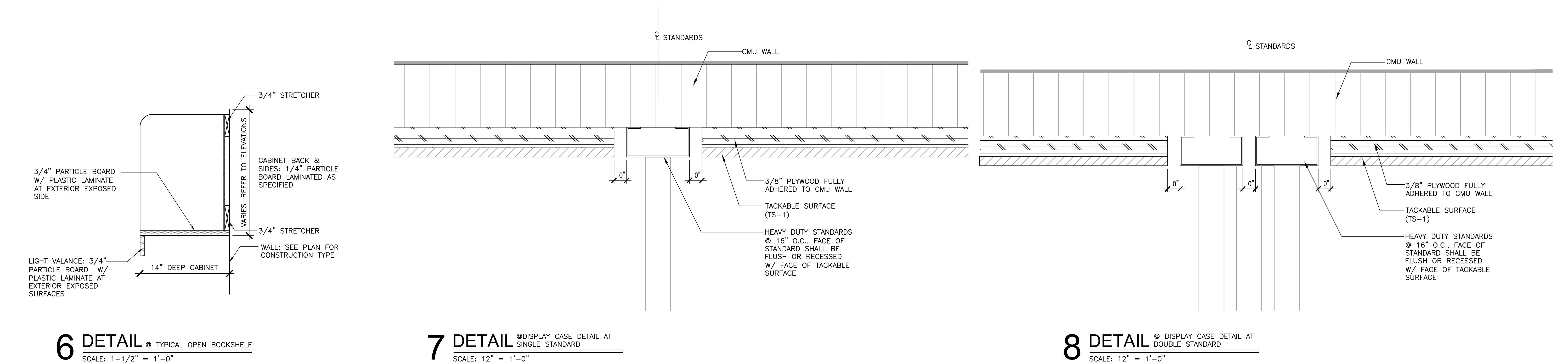
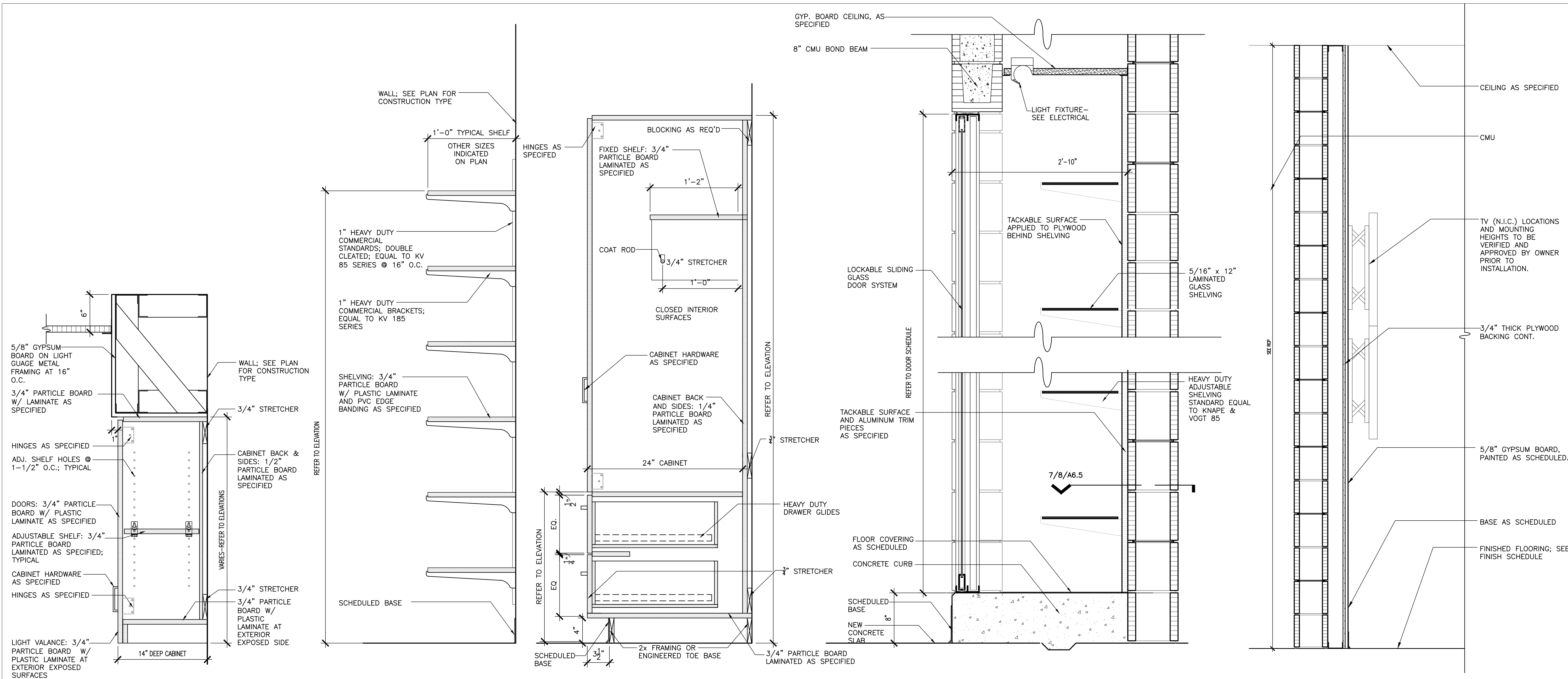
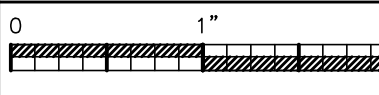
REVISIONS

JOB NO. 25-13

SHEET NO:

A6.5

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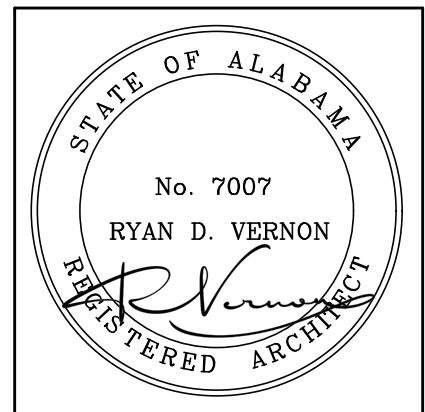




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RUSSELL COUNTY COMMISSION

SHEET TITLE:
REFLECTED CEILING PLAN
AND CEILING DETAILS



PROJ. MGR.: R. VERNON

DRAWN: LKB

DATE: 10-24-2025

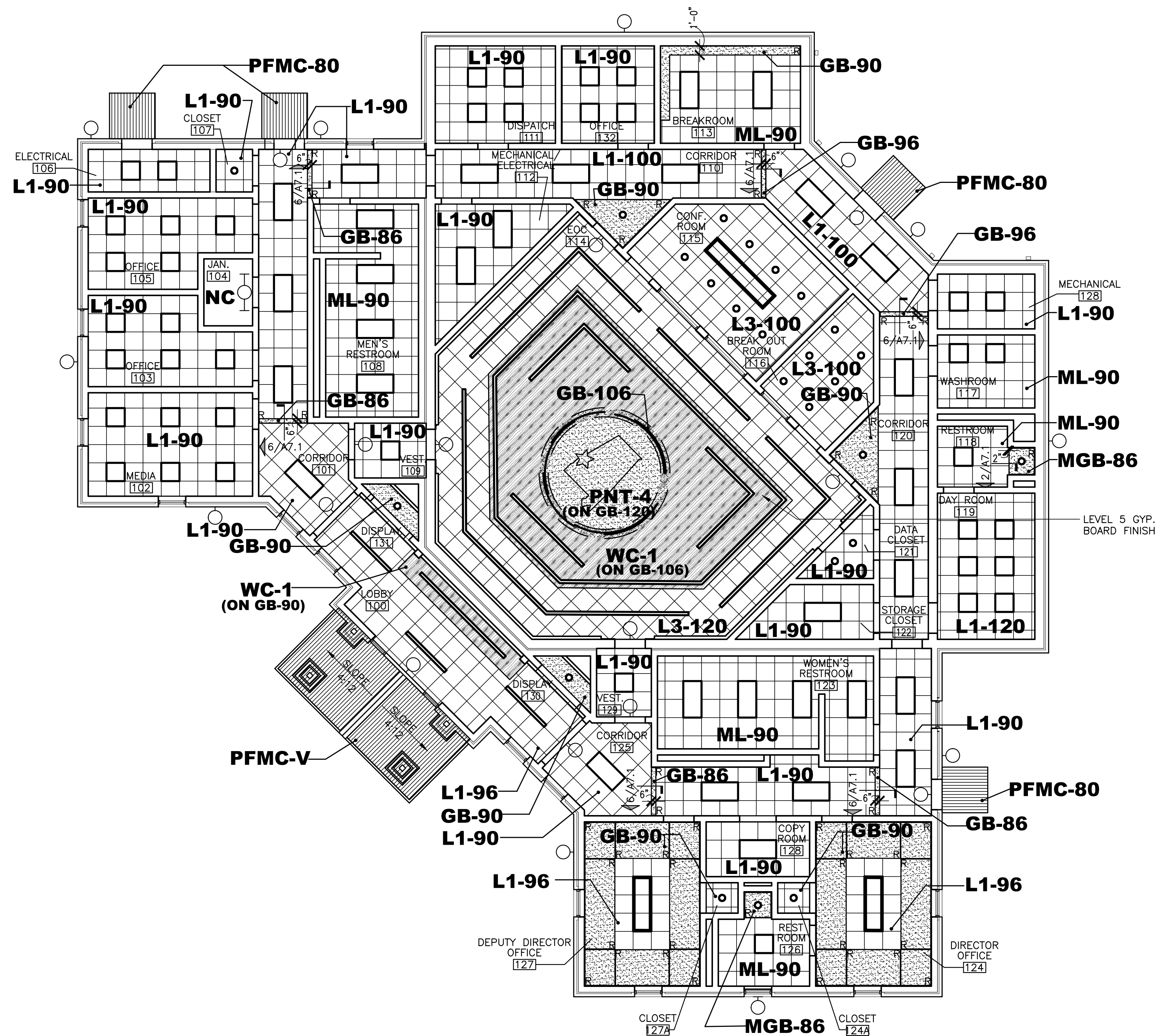
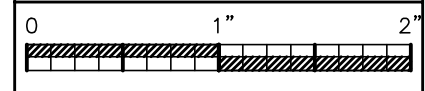
REVISIONS

JOB NO. 25-13

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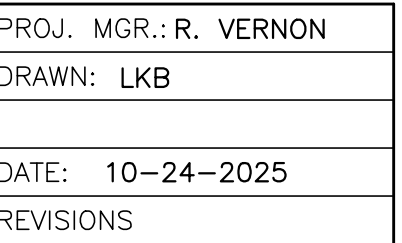
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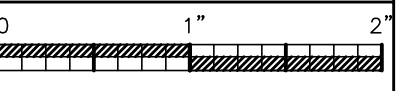


SHEET TITLE:
PARTIAL ENLARGED
REFLECTED CEILING PLAN



SHEET NO:

1 OF 24



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

© LOBBY 100 AND EOC 114

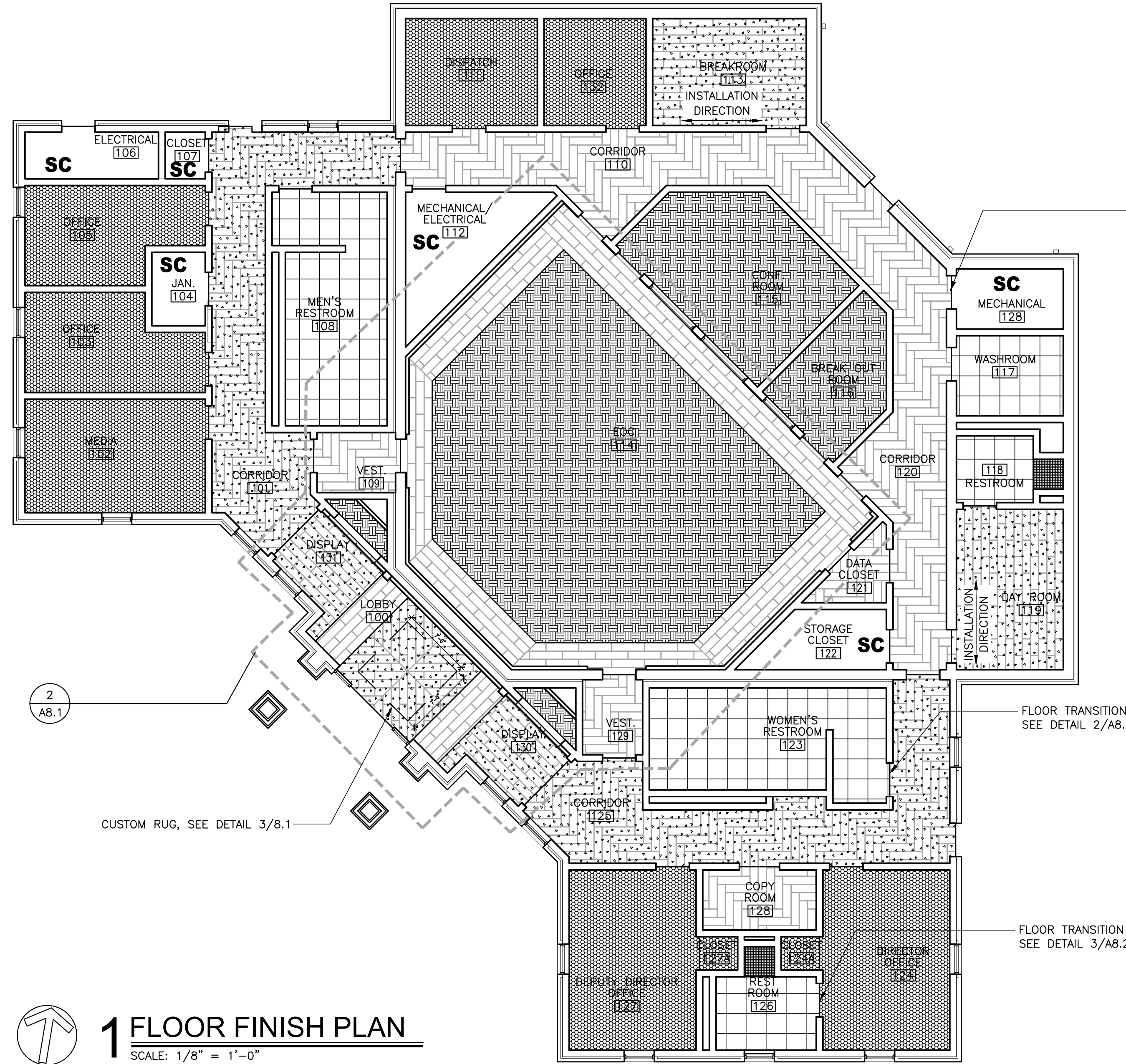


SCALE: $1/4" = 1'-0"$

④ DIRECTOR OFFICE 124 AND
DEPUTY DIRECTOR OFFICE 127

CEILING NOTES	
AFF = ABOVE FINISH FLOOR	
ALL CEILING HEIGHTS ARE FROM ADJACENT FINISHED FLOOR	
CEILING HEIGHTS INDICATED ARE MINIMUM HEIGHTS. COORDINATE W/ PLUMBING, MECHANICAL, AND ELECTRICAL TO INSTALL CEILINGS AS HIGH AS POSSIBLE.	
ALL CEILING GRIDS ARE TO BE CENTERED IN ROOM UNLESS SHOWN OR NOTED OTHERWISE	
USE 2x4 LAF IN CEILING TIE OUT TO FIT AT ALL LOCATIONS LESS THAN 24" AT PERIMETER OF ROOM. WHERE 2x4S OCCUR THEY SHALL MATCH SPECIFIED TIE AS INDICATED FOR EACH ROOM.	
COORDINATE W/ PLUMBING, MECHANICAL AND PLUMBING DRAWINGS AND PROVIDE FRAMING AS REQUIRED TO ACCOMMODATE MECHANICAL/PLUMBING SYSTEMS	
* REVERSAL SHALL BE REQUIRED AT ALL AREAS WHERE GYPSUM INTERSECTS CMU.	

LIGHTING/ELECTRICAL NOTES	
COORDINATE LIGHTING LAYOUTS WITH ELECTRICAL DRAWINGS. CONTACT ARCHITECT WITH ANY DISCREPANCIES	



1 FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"

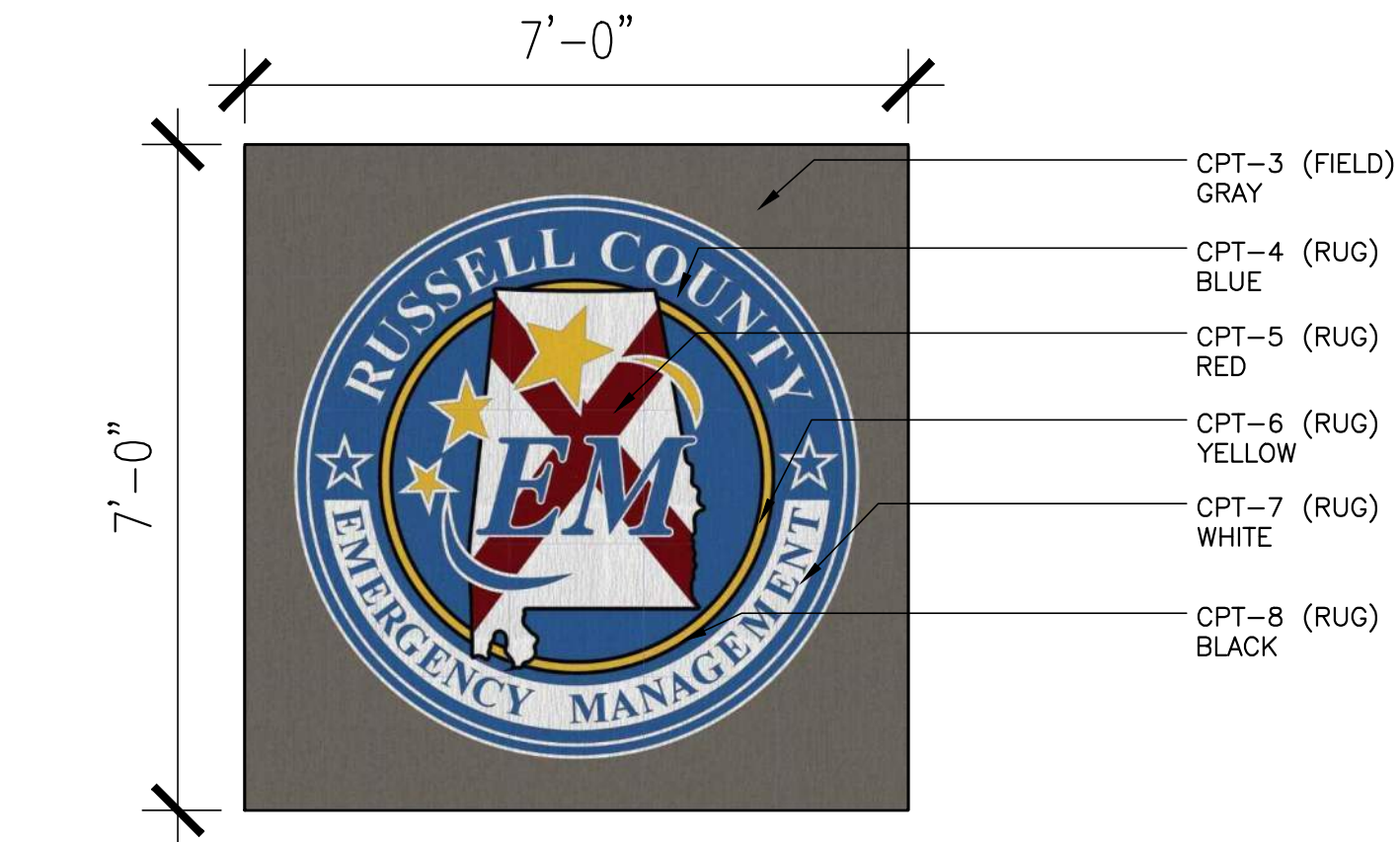
FLOOR TRANSITION
SEE DETAIL 1/A8.2

FLOOR TRANSITION
SEE DETAIL 2/A8.2

FLOOR TRANSITION
SEE DETAIL 3/A8.2

CUSTOM RUG, SEE DETAIL 3/8.1

2 PARTIAL ENLARGED PLAN © LOBBY 100 & EOC 114
SCALE: 1/4" = 1'-0"



3 CUSTOM RUG DETAIL © LOBBY 100
SCALE: 1/2" = 1'-0"

FINISH PATTERN LEGEND			
	LVT-1 LUXURY VINYL TILE		PFT-1 PORCELAIN FLOOR TILE
	LVT-2 LUXURY VINYL TILE		PFT-2 PORCELAIN FLOOR TILE
	CPT-1 CARPET		SC SEALED CONCRETE
	CPT-2 CARPET		

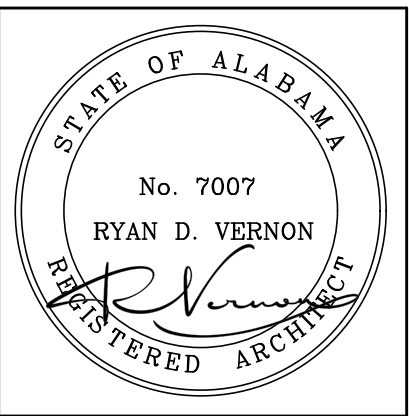


FINISH SCHEDULE												
ROOM NO.	ROOM NAME	FLOOR	BASE	MILLWORK FACE TOP	WALLS		DOOR FRAME	CEILING/SOFFIT PAINT	NOTES			
					NORTH	SOUTH				EAST	WEST	
100	LOBBY	LVT-1,2	RB-1	-	-	PNT-1/PNT-4/WC-1	PNT-1	PNT-1	PNT-1	PNT-2	PNT-3/WC-1	
101	CORRIDOR	LVT-1	RB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		
102	MEDIA	CPT-2	RB-2	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		
103	OFFICE	CPT-2	RB-2	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		
104	JAN.	SC	RB-2	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		EPOXY PAINT ON ALL WALLS
105	OFFICE	CPT-2	RB-2	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		
106	ELECTRICAL	SC	RB-2	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		
107	CLOSET	LVT-1	RB-2	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		
108	MEN'S RESTROOM	PFT-1	CTB-1	-	-	CWT-1/GWT-1	CWT-1/GWT-1	CWT-1/GWT-1	CWT-1/CWT-2/GWT-1	PNT-2		EPOXY PAINT ON ALL WALLS
109	VESTIBULE	LVT-1	RB-2	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		
110	CORRIDOR	LVT-2	RB-2	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		
111	DISPATCH	CPT-2	RB-2	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		
112	MECHANICAL/ELECTRICAL	SC	RB-2	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		
113	BREAK ROOM	LVT-1	RB-2	PL-1	SS-1	PNT-1/CWT-2/CWT-3/GWT-1	PNT-1	PNT-1	PNT-1/CWT-2/CWT-3/GWT-1	PNT-2		
114	EOC	LVT-1 & CPT-1	RB-2	PL-1	SS-1	PNT-1	WC-1	PNT-1/WC-1	PNT-1/WC-1	PNT-2	PNT-3/PNT-4/WC-1	
115	CONFERENCE ROOM	CPT-1	RB-2	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		
116	BREAKOUT ROOM	CPT-1	RB-2	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		
117	WASHROOM	PFT-1	CTB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		EPOXY PAINT ON ALL WALLS
118	RESTROOM	PFT-1/PFT-2	CTB-1	-	-	CWT-1/CWT-2/GWT-1	CWT-1/GWT-1	CWT-1/GWT-1/GWT-2	CWT-1/GWT-1	PNT-2		EPOXY PAINT ON ALL WALLS
119	DAY ROOM	LVT-1	RB-2	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		
120	CORRIDOR	LVT-2	RB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		
121	DATA CLOSET	LVT-2	RB-2	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		
122	STORAGE CLOSET	SC	RB-2	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		
123	WOMEN'S RESTROOM	PFT-1	CTB-1	-	-	CWT-1/GWT-1	CWT-1/GWT-2/GWT-1	CWT-1/GWT-1	CWT-1/GWT-1	PNT-2		EPOXY PAINT ON ALL WALLS
124	DIRECTOR OFFICE	CPT-2	RB-2	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		
124A	CLOSET	CPT-2	RB-2	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		
125	CORRIDOR	LVT-1	RB-1	-	-	PNT-1/PWT-1/GWT-1	PNT-1	PNT-1	PNT-1	PNT-2		
126	RESTROOM	PFT-1/PFT-2	CTB-1	-	-	CWT-1/GWT-1/GWT-2	CWT-1/GWT-1	CWT-1/GWT-1	CWT-1/CWT-2/GWT-1	PNT-2		EPOXY PAINT ON ALL WALLS
127	DEPUTY DIRECTOR OFFICE	CPT-2	RB-2	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		
127A	CLOSET	CPT-2	RB-2	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		
128	COPY ROOM	LVT-1	RB-2	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		
129	VESTIBULE	LVT-1	RB-2	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		
130	DISPLAY	CPT-1	RB-2	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		
131	DISPLAY	CPT-1	RB-2	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		
132	OFFICE	CPT-2	RB-2	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		

BASE (RUBBER/EPOXY/PORCELAIN TILE)				PAINT			
ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION	ITEM	MANUFACTURER	ITEM NUMBER/NAME	TYPE/LOCATION
RB-1	JOHNSONITE	6" MILLWORK WALL BASE SYSTEM PROFILE: RECESSED WH-YA-1463 COLOR: 6:3 BRUNT UMBER B	SEE FINISH SCHEDULE	PNT-1	SHERWIN WILLIAMS	COLOR: AGREEABLE GRAY SW7029	GENERAL WALLS
RB-2	JOHNSONITE	4" BURKE BASE COLOR: 6:3 BRUNT UMBER B	SEE FINISH SCHEDULE	PNT-2	SHERWIN WILLIAMS	COLOR: DORIAN GRAY SW7017	GENERAL TRIM
CBT-1	DALTILE	4"x12" BULLNOSE COLOR: ARCTIC WHITE	SEE FINISH SCHEDULE	PNT-3	SHERWIN WILLIAMS	COLOR: CEILING BRIGHT WHITE SW7000	GENERAL CEILING AND SOFFIT
				PNT-4	SHERWIN WILLIAMS	COLOR: (BLUE)	ACCENT
LUXURY VINYL TILE				PLASTIC LAMINATE			
ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION	ITEM	MANUFACTURER	ITEM NUMBER/NAME	TYPE/LOCATION
LVT-1	INTERFACE	COLLECTION: LEVEL SET STYLE: NATURAL WOODGRAINS COLOR: WASHED WHEAT AO0207 SIZE: 25CM X 1M	SEE FINISH FLOOR PLAN	PL-1	STEVENSWOOD	COLOR: G86 GREGIO NOTTE EDGE/BAND: INCLUDED	HORIZONTAL SURFACES: 11 SOFTEX FINISH VERTICAL SURFACES: 30 ARTIKA FINISH
LVT-2	INTERFACE	COLLECTION: LEVEL SET STYLE: NATURAL WOODGRAINS COLOR: STORM AO0205 SIZE: 25CM X 1M	SEE FINISH FLOOR PLAN	SOLID SURFACE			
				ITEM	MANUFACTURER	ITEM NUMBER/NAME	TYPE/LOCATION
				SS-1	BPI DURASEIN	COLOR: BLOSSOMING	SEE FINISH SCHEDULE
CERAMIC TILE				TACKABLE SURFACE			
ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION	ITEM	MANUFACTURER	ITEM NUMBER/NAME	TYPE/LOCATION
CWT-1	DALTILE	COLLECTION: COLOR WHEEL LINEAR COLOR: ARCTIC WHITE 0190 SIZE: 6X18	MENS RESTROOM 108, RESTROOM 118, WOMENS RESTROOM 123, RESTROOM 126	TS-1	KORESEAL	COLOR: EARTHEN 08	SEE FINISH SCHEDULE
CWT-2	DALTILE	COLLECTION: COLOR WHEEL LINEAR COLOR: ARCTIC WHITE 0190 SIZE: 4X12	MENS RESTROOM 108, BREAK ROOM 113, RESTROOM 118, WOMENS RESTROOM 123, AND RESTROOM 126	CONCRETE FLOORING			
CWT-3	DALTILE	COLLECTION: COLOR WHEEL LINEAR COLOR: ARCTIC WHITE 0910 SIZE: 2X8	BREAK ROOM 113	ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION
				SC	SHERWIN WILLIAMS	SEE SPEC	SEE FINISH FLOOR PLAN
GLASS TILE				WALL COVERING			
ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION	ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION
GWT-1	CREATIVE MATERIALS CORPORATION	COLLECTION: FACETS COLOR: MEDIUM BLUE SIZE: 4X12	MENS RESTROOM 108, BREAK ROOM 113, RESTROOM 118, WOMENS RESTROOM 123, AND RESTROOM 126	WC-1	KOROSEAL	COLLECTION: REATEC ARCHITECTURAL FILM STYLE: OAK STRAIGHT GRAIN 11 COLOR: RW-5622	LOBBY 100 AND EOC 114
GWT-2	DALTILE	COLLECTION: COLOR WAVE COLOR: BLUE LAGOON CW13 SIZE: 1X6	RESTROOM 118 AND RESTROOM 126	FIBERGLASS REINFORCED PANEL			
				ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION
				FRP-1	KEMUTE COMPANY INC.	COLOR: WHITE SIZE: 4' X 9'	LOBBY 100 AND EOC 114
PORCELAIN FLOOR TILE				CARPET			
ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION	ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION
PFT-1	DALTILE	COLLECTION: BRYNE COLOR: COASTLINE BR30 SIZE: 24X24	MENS RESTROOM 108, WASHROOM 117, RESTROOM 118, WOMENS RESTROOM 123, AND RESTROOM 126	CPT-1	INTERFACE	COLLECTION: NIGHT LIGHTS STYLE: SOFT GLOW COLOR: 107262 IRON AZURE SIZE: 25CM X 1M INSTALLATION DIRECTION: ASHLAR	EOC 114, CONF. ROOM 115, BREAKOUT ROOM 116, DISPLAY 130, AND DISPLAY 131
PFT-2	DALTILE	COLLECTION: BRYNE COLOR: COASTLINE BR30 SIZE: 2X2	SHOWER FLOOR: RESTROOM 118, AND RESTROOM 126	CPT-2	INTERFACE	COLLECTION: DRESSED LINES STYLE: COMES AROUND COLOR: 108518 CHARCOAL SIZE: 25CM X 1M INSTALLATION DIRECTION: ASHLAR	MEDIA 102, OFFICE 103, OFFICE 105, DISPATCH 111, DIRECTOR OFFICE 124, CLOSET 124A, DEPUTY DIRECTOR OFFICE 127, CLOSET 127A, AND OFFICE 132
PORCELAIN WALL TILE				CPT-3	INTERFACE	COLLECTION: VIVA COLORES COLOR: 101171 CANO SIZE: 50CM X 50CM	LOBBY 100
ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION	CPT-4	INTERFACE	COLLECTION: VIVA COLORES COLOR: 101147 AZUL SIZE: 50CM X 50CM	LOBBY 100
PWT-1	DALTILE	COLLECTION: BRYNE COLOR: COASTLINE BR30 SIZE: 24X24	CORRIDOR 125	CPT-5	INTERFACE	COLLECTION: VIVA COLORES COLOR: 101155 ESCARLITA SIZE: 50CM X 50CM	LOBBY 100
				CPT-6	INTERFACE	COLLECTION: VIVA COLORES COLOR: 108640 CANARIO SIZE: 50CM X 50CM	LOBBY 100
				CPT-7	INTERFACE	COLLECTION: VIVA COLORES COLOR: BRIGHT WHITE SIZE: 50CM X 50CM	LOBBY 100
				CPT-8	INTERFACE	COLLECTION: VIVA COLORES COLOR: 101177 OSCURO SIZE: 50CM X 50CM	LOBBY 100
FINISH ABBREVIATION LEGEND				FINISH NOTES			
APF ACOUSTIC PANEL FABRIC	GYP GYPSUM BOARD	SS SOLID SURFACE	ALL WALLS TO BE PAINTED PNT-1 UNLESS NOTED OTHERWISE. ALL WALLS AND CEILINGS LOCATED IN WET AREAS SHALL HAVE EPOXY BASED PAINT ALL SOFFITS SHALL BE PNT-3, UNLESS OTHERWISE DIRECTED BY ARCHITECT				
BFC BROOM FINISHED CONCRETE	LVT LUXURY VINYL TILE	ST STAIN					
CFT CERAMIC FLOOR TILE	PC POLISHED CONCRETE	STC STAINED CONCRETE					
CWT CERAMIC WALL TILE	PL PLASTIC LAMINATE	TP TACKABLE ACOUSTIC PANEL					
CTB CERAMIC TILE BASE	PNT PAINT	TS TACKABLE SURFACE					
CM COATED CONCRETE	PTT PORCELAIN FLOOR TILE	VCT VINYL COMP. TILE					
CPT CARPET	PTB PORCELAIN TILE BASE	WB WOOD BASE					
CR CHAIR RAIL	PWT PORCELAIN WALL TILE	WC WALLCOVERING					
DP DIGITAL ACOUSTIC PANEL	PWF PRE-ENG. WOOD	WD WOOD FLOORING (GYM)					
ERB EPOXY RESIN BASE	QRF QUARTZ RESIN FLOOR	WF WOOD FLOORING (STAGE)					
ESD STATIC CONTROL TILE	QRB QUARTZ RESIN BASE	WP WOOD PANELING					
	RB RUBBER BASE	WW WOOD VENEER					
	RST RUBBER STAIR TREAD	ZA ZINTRIA ACOUSTICS					
	SC SEALED CONCRETE						

NEW EMA CENTER FOR
RUSSELL COUNTY, ALABAMA
 5TH STREET SOUTH, PHENIX CITY AL 36869
 RUSSELL COUNTY COMMISSION

SHEET TITLE:
FINISH SCHEDULES AND
TRANSITION DETAILS



DRAWN: LKB

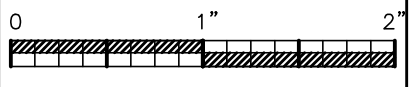
REVISIONS

[illegible]

JOB NO. 25-13

A8.2

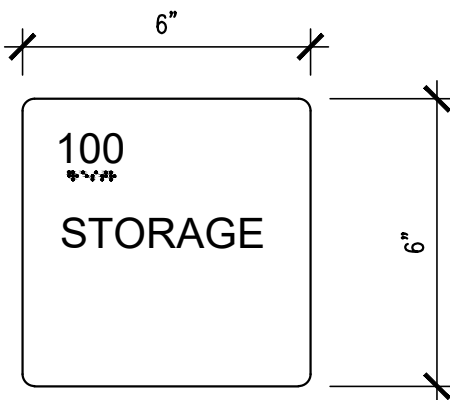
23 OF 24





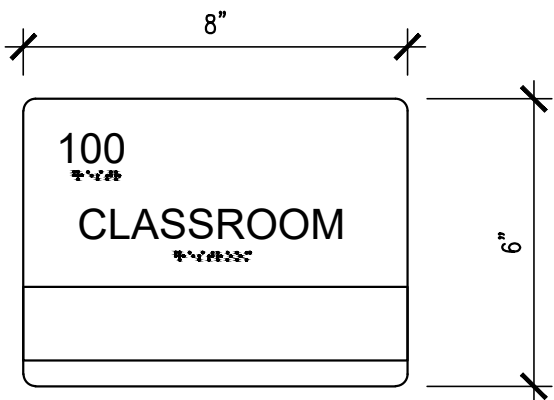
INTERIOR SIGNAGE
(SIGN TYPE - C)

SCALE: 3" = 1'-0"



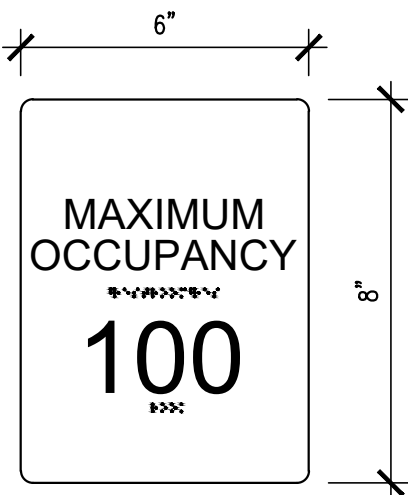
INTERIOR SIGNAGE
(SIGN TYPE - B)

SCALE: 3" = 1'-0"



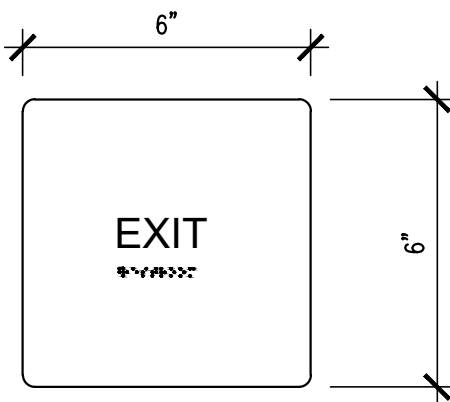
INTERIOR SIGNAGE
(SIGN TYPE - A)

SCALE: 3" = 1'-0"



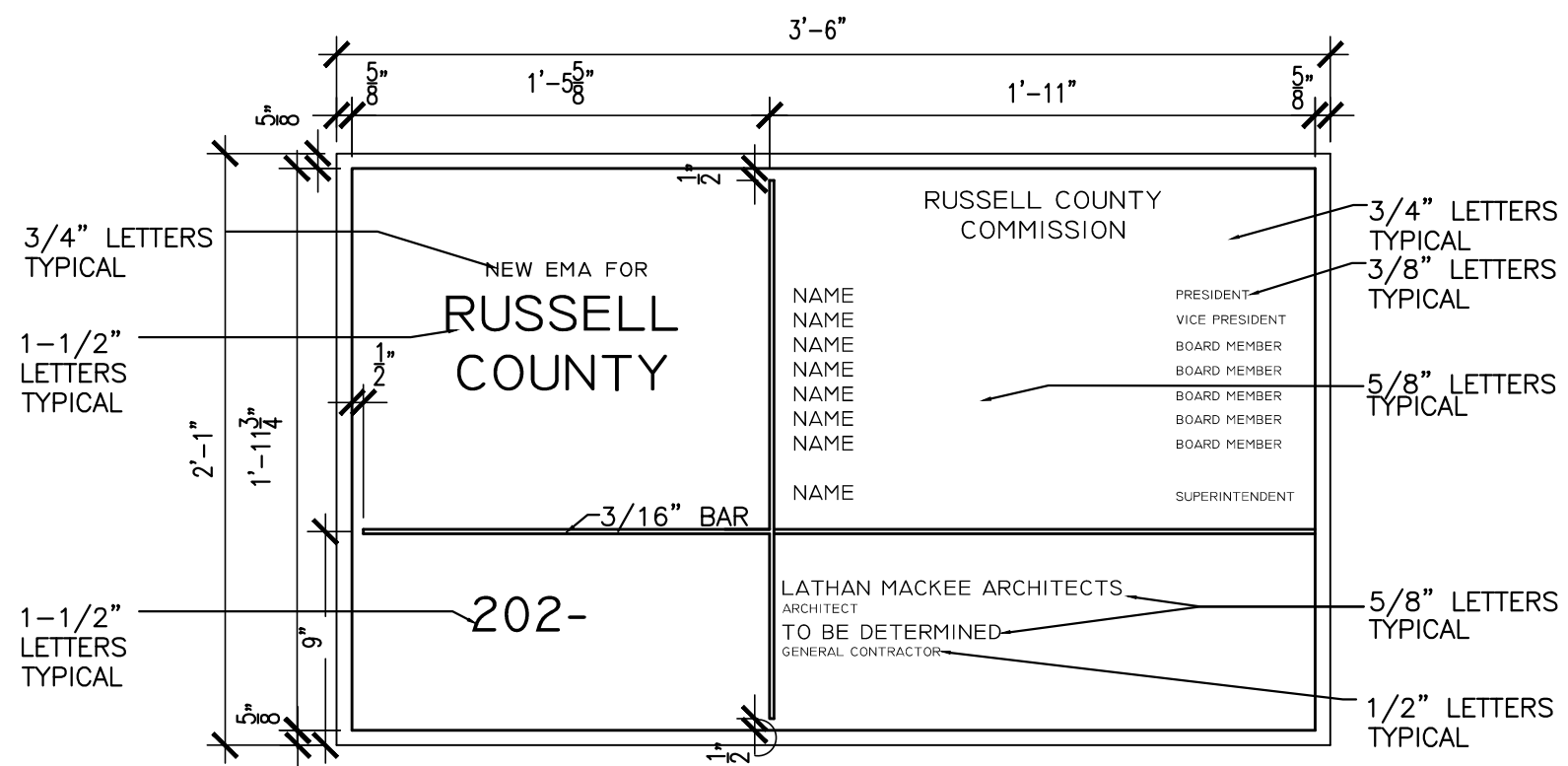
INTERIOR SIGNAGE
(SIGN TYPE - J)

SCALE: 3" = 1'-0"



INTERIOR SIGNAGE
(SIGN TYPE - H)

SCALE: 3" = 1'-0"

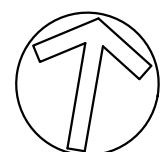
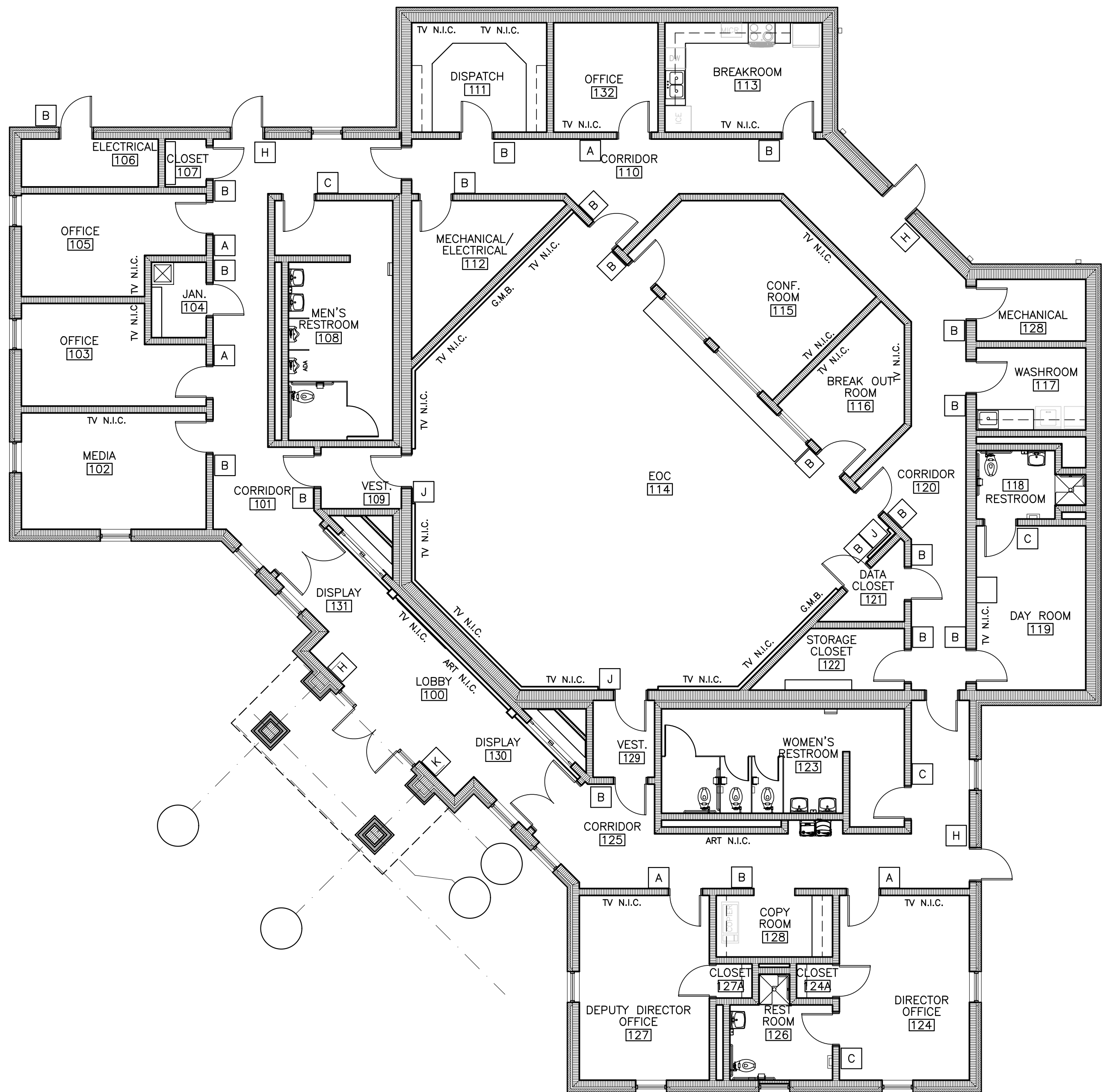


BUILDING PLAQUE (SIGN - TYPE K)

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

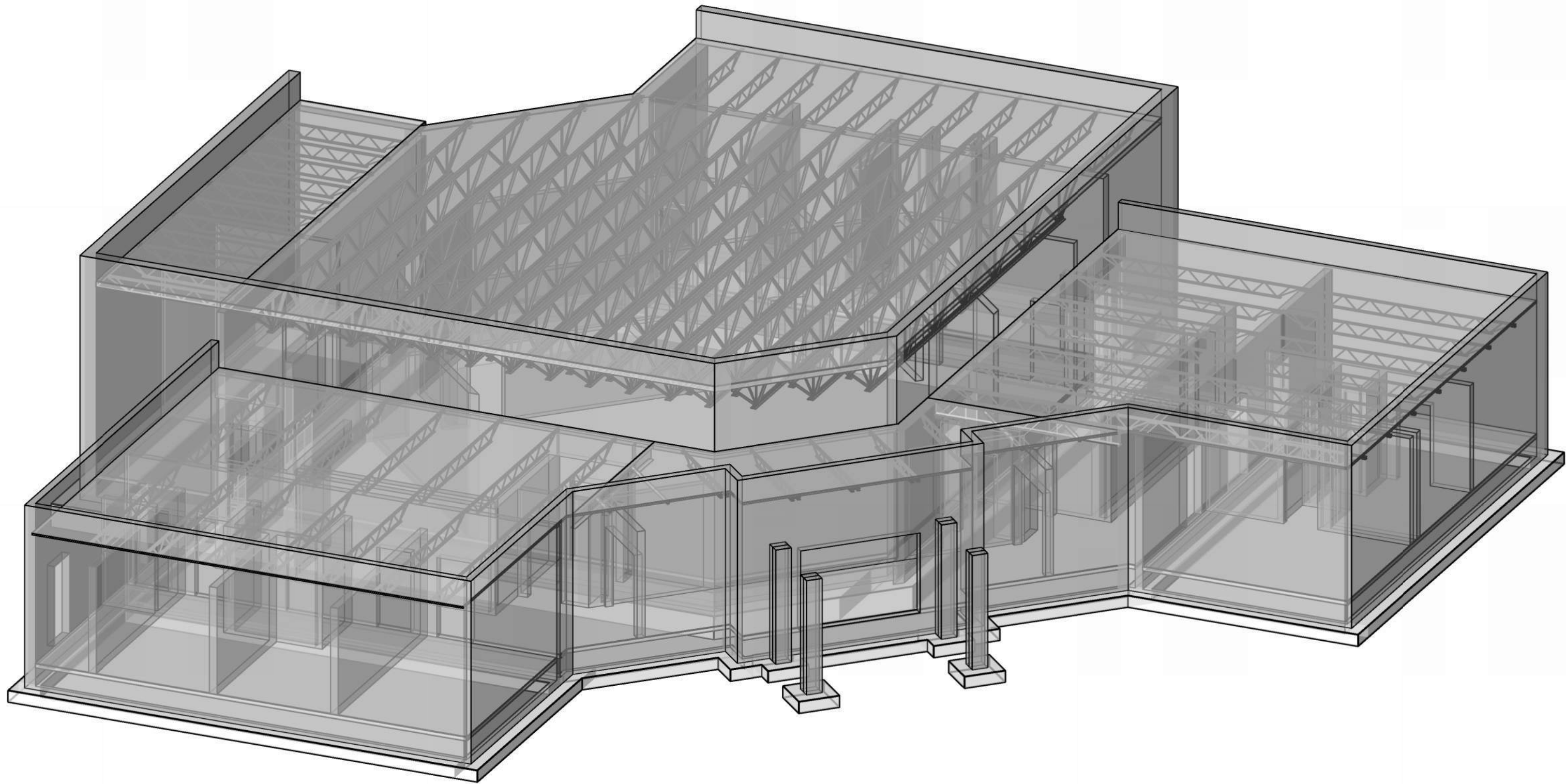
FINAL VERBIAGE SHALL BE VERIFIED
PRIOR TO FABRICATION

INTERIOR SIGNAGE LEGEND	
A	SIGN WITH MESSAGE STRIP (OFFICES/CLASSROOM/INSTRUCTIONAL AREA)
B	ROOM NUMBER AND NAME (STORAGE, ELECTRICAL, ETC)
C	RESTROOM SIGNAGE WITH PICTOGRAM/BRAILLE
G	FRAMED CLEAR VIEW SIGNAGE (8.5X11)
H	TACTILE EXIT SIGN TO EXTERIOR (EXIT)
J	OCCUPANT LOAD SIGN (ASSEMBLY SPACES)
K	BUILDING DEDICATION PLAQUE



1 MAIN LEVEL SIGNAGE PLAN

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



LBYP Isometric View

NOTE:
 ISOMETRIC IS SHOWN FOR VISUAL PURPOSES ONLY.
 NOT ALL ELEMENTS AND MEMBERS HAVE BEEN SHOWN
 FOR CLARITY. ISOMETRICS SHALL NOT BE USED FOR
 FABRICATION OR CONSTRUCTION.

Sheet Number	Sheet Name	Current Revision	Current Revision Date	Current Revision Description
S1.1	ISOMETRIC			
S1.2	GENERAL NOTES			
S1.3	GENERAL NOTES			
S1.4	GENERAL NOTES			
S1.5	SPECIAL INSPECTIONS			
S1.6	SPECIAL INSPECTIONS			
S1.7	TYPICAL DETAILS			
S1.8	TYPICAL DETAILS			
S1.9	TYPICAL DETAILS			
S1.10	TYPICAL DETAILS			
S2.1	FOUNDATION PLAN			
S2.2	ROOF FRAMING PLAN			
S3.1	SECTIONS			
S3.2	SECTIONS			
S3.3	SECTIONS			
S3.4	SECTIONS			

SYMBOL	DESCRIPTION
	New Grid Bubble
	Existing Grid Bubble
	Section SIM - similar situation usually noted with a note on section REF - same situation
	Elevation SIM - similar situation usually noted with a note on section REF - same situation
	Detail SIM - similar situation usually noted with a note on section REF - same situation
	Level and Elevation Indicator
	Spot Elevation
	Revision Cloud and Number
	Slab Recess
	X-Bracing
	Cantilevered Moment Connection
	Moment Connection
	Beam Splice
	North Arrow
	Section/Detail/Elevation Title

Material Designations

- Brick
- Grout
- Gravel
- Earth
- Rock
- Concrete
- Masonry (Plan)
- Continuous Wood Framing
- Wood Blocking or Shims

Line Type and Weight Examples

- New Construction
- Existing Construction
- Demo Construction
- Grid Lines
- Center Lines

NEW EMA CENTER FOR
RUSSELL COUNTY, ALABAMA
 5TH STREET SOUTH, PHENIX CITY AL 36869
 RUSSELL COUNTY COMMISSION

SHEET TITLE:
 ISOMETRIC



PROJ. MGR.: PJL
 DRAWN: ELP
 DATE: 10/24/2025
 REVISIONS

JOB NO. 25-13

SHEET NO:
S1.1

GN. GENERAL

GN.1 THE STRUCTURAL DRAWINGS AND SPECIFICATIONS ARE A PORTION OF THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR AND SUBCONTRACTORS SHALL REFERENCE AND COORDINATE WITH ALL OTHER DISCIPLINES' DRAWINGS. ANY DISCREPANCIES OR OMISSIONS SHALL BE REPORTED TO THE STRUCTURAL ENGINEER AND ARCHITECT.

GN.2 DESIGN CRITERIA:

A. CODES AND SPECIFICATIONS:

1. GENERAL BUILDING CODE:
INTERNATIONAL BUILDING CODE, IBC 2021 EDITION.

2. DESIGN LOAD CRITERIA:
MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, AMERICAN SOCIETY OF CIVIL ENGINEERS, ASCE 7-16.

3. CONCRETE:
BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, AMERICAN CONCRETE INSTITUTE, ACI 318.

4. STRUCTURAL STEEL:
SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, AMERICAN INSTITUTE OF STEEL CONSTRUCTION, AISC 360.

5. STEEL JOISTS:
STANDARD SPECIFICATIONS, LOAD TABLES AND WEIGHT TABLES FOR STEEL JOISTS AND JOIST GIRDERS, STEEL JOIST INSTITUTE, SJI.

6. STEEL DECK:
STEEL DECK INSTITUTE DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS, ROOF DECKS AND CELLULAR METAL FLOOR DECK WITH ELECTRICAL DISTRIBUTION.

7. MASONRY:
BUILDING CODE REQUIREMENTS AND SPECIFICATION FOR MASONRY STRUCTURES, TMS 402/602.

B. DESIGN LOADS (PSF):

1. DEAD LOADS:
ANY CHANGES IN CONSTRUCTION MATERIALS FROM THOSE SHOWN ON THE ARCHITECTURAL OR STRUCTURAL DRAWINGS SHALL BE REPORTED BY THE CONTRACTOR TO THE STRUCTURAL ENGINEER FOR VERIFICATION OF LOAD-CARRYING CAPACITY OF THE STRUCTURE.

2. LIVE LOADS:
ROOF (REDUCIBLE)-----20
SHELTER CAP SLAB-----100
SLAB ON GRADE-----125

LIVE LOAD REDUCTIONS HAVE BEEN APPLIED IN ACCORDANCE WITH THE BUILDING CODE, UNLESS NOTED.

3. SNOW LOAD:
GROUND SNOW LOAD (Pg)-----5.0
FLAT-ROOF SNOW LOAD (Pf)-----3.5
SNOW EXPOSURE FACTOR (Ce)-----0.9
SNOW LOAD IMPORTANCE FACTOR (Is)-----1.1
THERMAL FACTOR (Ct)-----1.0

4. WIND LOADS:
ULTIMATE DESIGN WIND SPEED, V_{ult} -----117 MPH
(3 – SECOND GUST)
NOMINAL DESIGN WIND SPEED, V_{asd} -----93 MPH
(3 – SECOND GUST)
RISK CATEGORY-----IV
WIND EXPOSURE CATEGORY-----C
INTERNAL PRESSURE COEFFICIENT-----±0.18

WALL COMPONENT AND CLADDING WIND PRESSURE-SEE DRAWINGS

C. SEISMIC LOADS:
SEISMIC IMPORTANCE FACTOR (I_e)-----1.5

MAPPED SPECTRAL RESPONSE ACCELERATIONS:
 S_s -----0.121
 S_1 -----0.071
SITE CLASS-----D
SITE COEFFICIENTS:
 F_a -----1.60
 F_v -----2.40
DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS:
 S_{ds} -----0.129
 S_{d1} -----0.113
SEISMIC DESIGN CATEGORY-----C
BASIC SEISMIC-FORCE-RESISTING SYSTEM:
INTERMEDIATE REINFORCED MASONRY SHEAR WALLS
DESIGN BASE SHEAR-----70 KIPS
SEISMIC RESPONSE COEFFICIENT (C_s)-----0.054
RESPONSE MODIFICATION FACTOR(R)-----3.5
OVER-STRENGTH FACTOR (ϕ_o)-----2.5
DEFLECTION AMPLIFICATION FACTOR (C_d)-----2.25
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE METHOD
REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR SEISMIC SUPPORT AND ATTACHMENT REQUIREMENTS FOR UTILITIES.

GN.3 CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO FABRICATION/CONSTRUCTION. NOTIFY STRUCTURAL ENGINEER AND ARCHITECT OF ANY DISCREPANCIES PRIOR TO FABRICATION/CONSTRUCTION.

GN.4 TORNADO SHELTER LOADS AND CRITERIA:

A. THE WIND DESIGN CONFORMS TO THE PROVISIONS OF THE ICC/NSSA STANDARD FOR THE DESIGN AND CONSTRUCTION OF STORM SHELTERS, ICC 500-2020.
DESIGN WIND SPEED (VT)-----200 MPH
WIND EXPOSURE CATEGORY-----C
INTERNAL PRESSURE COEFFICIENT (PARTIALLY ENCLOSED)-----±0.55
TOPOGRAPHIC FACTOR (KZT)-----1.0
WIND DIRECTIONALITY FACTOR (Kd)-----1.0

B. ENVELOPE ASSEMBLIES:

1. DEBRIS IMPACT REQUIREMENTS:

a. DESIGN MISSILE SIZE: 15 LB 2x4

b. DESIGN MISSILE SPEED, VERTICAL SURFACE: 90 MPH

c. DESIGN MISSILE SPEED, HORIZONTAL SURFACE: 60 MPH

2. WALL ASSEMBLY: FULLY GROUTED 12" CONCRETE MASONRY UNITS.

a. ROOF ASSEMBLY: 4" THICK CONCRETE SLAB REINFORCED WITH #4@12 EA WAY. CONCRETE SLAB IS SUPPORTED ON 1-1/2" METAL DECK.

b. WALL ASSEMBLY AND ROOF ASSEMBLY MEET OR EXCEED THE THICKNESS AND REINFORCING FOR THE FOLLOWING TESTED ASSEMBLY: "4IN THICK PEA-GRAVEL CONCRETE WITH #4 REBAR REINFORCEMENT 12IN O.C. EACH WAY"; "8 IN CMU REINFORCED WITH CONCRETE AND #4 REBAR IN EVERY CELL". TEST DATA FOR THIS ASSEMBLY, PUBLISHED IN THE "CONSTRUCTION MATERIALS THRESHOLD TESTING" DATA DATED NOVEMBER 2004 AND PREPARED BY THE WIND SCIENCE AND ENGINEERING RESEARCH CENTER AT TEXAS TECH UNIVERSITY, INDICATES ADEQUATE PERFORMANCE UNDER IMPACT TESTING OF A 15 LB 2x4 MISSILE WITH THRESHOLD MISSILE SPEEDS THAT EXCEED 100 MPH.

GN.5 SPECIAL INSPECTIONS/STRUCTURAL ENGINEER'S SITE VISITS:

A. SPECIAL INSPECTIONS ARE REQUIRED FOR THIS PROJECT IN ACCORDANCE WITH INTERNATIONAL BUILDING CODE. REFER TO DRAWINGS.

B. SITE VISITS BY STRUCTURAL ENGINEER:

1. STRUCTURAL ENGINEER'S SITE VISITS ARE FOR VISUAL OBSERVATION OF THE IN-PLACE STRUCTURE FOR GENERAL CONFORMANCE TO THE APPROVED CONSTRUCTION DOCUMENTS AT THE TIME OF THE OBSERVATION.

2. CONTRACTOR SHALL NOTIFY STRUCTURAL ENGINEER AND ARCHITECT, PER THE SCHEDULE STATED BELOW, WHEN SUCH ITEMS HAVE PROGRESSED TO THE POINT WHERE THEY WILL BE IN PLACE AND READY FOR REVIEW. FAILURE TO NOTIFY MAY REQUIRE REMOVAL OF COMPLETED CONSTRUCTION.

NOTIFY PRIOR TO THE FOLLOWING SCHEDULED TASKS	REQUIRED DAYS NOTIFICATION
FIRST FOUNDATION POUR	5 DAYS
GROUTING MASONRY WALL CONSTRUCTION	5 DAYS
ELEVATED SLAB POUR	5 DAYS
COVERING METAL ROOF DECK	5 DAYS

C. SITE VISITS BY THE STRUCTURAL ENGINEER'S OFFICE DO NOT REPLACE INSPECTIONS AND TESTING BY THE TESTING AGENCY OR SPECIAL INSPECTOR.

GN.6 SUBMITTALS:

A. REVIEW OF SHOP DRAWINGS AND OTHER SUBMITTALS BY THE STRUCTURAL ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO REVIEW AND CHECK SHOP DRAWINGS BEFORE SUBMITTING TO THE STRUCTURAL ENGINEER. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS. ALL SHOP DRAWINGS MUST BE REVIEWED AND "APPROVED" BY THE CONTRACTOR PRIOR TO SUBMITTAL.

B. ELECTRONIC SHOP DRAWING SUBMITTALS: SUBMIT ALL ELECTRONIC SHOP DRAWINGS IN .PDF FORMAT. REVIEWED SHOP DRAWINGS WILL BE RETURNED IN .PDF FORMAT. ALL PRINTS REQUIRED BY THE CONTRACTOR ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE MADE AFTER APPROVED SHOP DRAWINGS ARE RETURNED.

C. RESUBMITTED SHOP DRAWINGS: RESUBMITTED SHOP DRAWINGS SHALL HAVE ALL CHANGES SINCE THE PREVIOUS SUBMISSION IDENTIFIED BY CLOUDING OR OTHER CLEAR COMMUNICATION. RE-REVIEWED SHOP DRAWINGS WILL ONLY BE REVIEWED FOR IDENTIFIED CHANGES.

D. SHOP DRAWINGS: THE CONTRACTOR SHALL SUBMIT FOR STRUCTURAL ENGINEER REVIEW SHOP DRAWINGS FOR THE FOLLOWING ITEMS. ITEMS MARKED (*) SHALL HAVE SHOP DRAWINGS SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED. ITEMS MARKED (#) SHALL BE SUBMITTED FOR STRUCTURAL ENGINEER'S RECORD ONLY.

1. CONCRETE MIX DESIGNS

2. CONCRETE REINFORCING

3. STRUCTURAL STEEL

4. STEEL JOIST

5. STEEL DECK

6. MASONRY MORTAR MIX DESIGNS

7. MASONRY GROUT MIX DESIGNS

8. MASONRY REINFORCING

E. DESIGN CALCULATIONS: THE CONTRACTOR SHALL SUBMIT FOR STRUCTURAL ENGINEER'S RECORD, DESIGN CALCULATIONS SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED FOR THE FOLLOWING ITEMS.

1. STEEL JOIST (SEE STEEL JOIST SECTION OF GENERAL NOTES)

GN.7 ALL DETAILS SHOWN ARE TYPICAL. SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS, UNLESS NOTED.

GN.8 THE CONTRACTOR IS RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION.

GN.9 CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED FLOORS/ROOFS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT LOADS DO NOT EXCEED THE DESIGN LIVE LOAD.

FD. FOUNDATION

FD.1 GEOTECHNICAL REPORT: FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL REPORT BY TERRACON, TITLED "RUSSELL COUNTY EMA CENTER GEOTECHNICAL ENGINEERING REPORT PHENIX CITY, AL" WITH PROJECT NO. HP255050 DATED AUGUST 25, 2025. THE CONTRACTOR SHALL OBTAIN A COPY OF THE GEOTECHNICAL REPORT FROM THE OWNER AND FOLLOW ALL REQUIREMENTS AND RECOMMENDATIONS.

FD.2 DESIGN BEARING PRESSURES (PSF): 2000

FD.3 ALL FOUNDATION BEARING SURFACES SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE TO ENSURE COMPLIANCE WITH PRESSURES NOTED. THE FINAL BEARING ELEVATIONS MAY VARY AS REQUIRED TO PROVIDE PROPER BEARING CAPACITY IN AN APPROVED BEARING STRATUM AS DETERMINED BY THE GEOTECHNICAL ENGINEER.

FD.4 FOOTINGS SHALL BE PLACED THE SAME DAY AS INSPECTION BY THE GEOTECHNICAL ENGINEER UNLESS EXTENDED TIME IS APPROVED BY THE GEOTECHNICAL ENGINEER.

FD.5 FOOTINGS SHALL BE NEATLY EXCAVATED WHERE POSSIBLE WITH SIDES AND TOP EDGES FREE OF LOOSE OR WET MATERIALS. WHERE NEAT EXCAVATION IS NOT POSSIBLE, FOOTING EXCAVATION SHALL BE FILLED WITH CONCRETE TO THE TOP OF FOOTING. THE BOTTOM EXCAVATION SHALL BE CLEAN AND DRY WITH ALL LOOSE MATERIAL REMOVED FOR AN ESSENTIALLY FLAT BEARING SURFACE. WHERE SOFT OR UNSUITABLE BEARING SURFACES ARE ENCOUNTERED, THE AREA SHALL BE UNDERCUT AS REQUIRED AND REPLACED WITH LEAN CONCRETE OR COMPACTED DENSE GRADED CRUSHED STONE AS DIRECTED BY THE GEOTECHNICAL ENGINEER.

FD.6 COMPACTED FILL SHALL MEET THE REQUIREMENTS NOTED IN THE GEOTECHNICAL REPORT. EXCAVATED MATERIAL MAY BE USED AS BACKFILL MATERIAL WITH WRITTEN APPROVAL FROM THE GEOTECHNICAL ENGINEER STATING THAT SUCH MATERIAL IS SUITABLE AS BACKFILL AND INSTRUCTIONS ARE GIVEN FOR PROPER MOISTURE CONTENT AND COMPACTION.

FD.7 BACKFILL FOR FOUNDATION AND RETAINING WALLS SHALL BE A FREE DRAINING GRANULAR MATERIAL. BACKFILL SHALL BE COMPACTED SUFFICIENTLY TO PREVENT SUBSIDENCE OF SURFACE ADJACENT TO WALL. THE GRANULAR MATERIAL SHALL BE PLACED IN A 45 DEGREE WEDGE EXTENDING FROM THE HEEL OF FOOTING.

FD.8 FOUNDATION SHALL NOT BE BACKFILLED UNTIL CONCRETE HAS ATTAINED THE REQUIRED 28 DAY COMPRESSIVE STRENGTH.

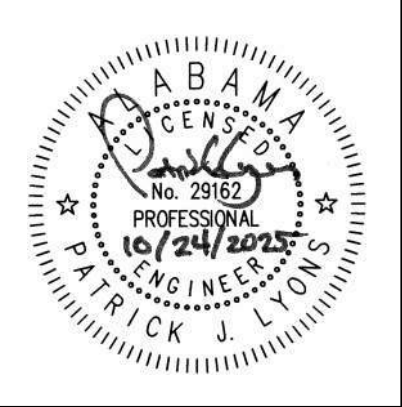
FD.9 WHERE FOUNDATION WALLS HAVE EARTH PLACED ON EACH SIDE, PLACE FILL TO KEEP A COMMON ELEVATION ON EACH SIDE OF THE WALL.

FD.10 PROVIDE 4" OF COMPACTED GRANULAR FILL BENEATH ALL SLABS ON GRADE. PROVIDE 15 MIL VAPOR RETARDER BETWEEN BOTTOM OF SLAB AND TOP OF GRANULAR FILL.

FD.11 FOUNDATIONS SHALL BE CENTERED ABOUT COLUMN LINES, UNLESS NOTED.



SHEET TITLE:
GENERAL NOTES



PROJ. MGR.:	PJL
DRAWN:	ELP
DATE:	10/24/2025
REVISIONS	

JOB NO.	25-13
SHEET NO:	S1.2
2 OF 16	

PA.1

POST INSTALLED ANCHORS SHALL COMPLY WITH ACI-318 **CHAPTER 17.**

PA.2

ACCEPTABLE MANUFACTURERS SHALL INCLUDE BUT ARE NOT LIMITED TO HILTI, INC. AND SIMPSON STRONG-TIE COMPANY, INC. AND DEWALT ANCHORS.

PA.3

CARE SHALL BE TAKEN IN PLACING POST INSTALLED ANCHORS TO AVOID CONFLICTS WITH EXISTING REBAR.

PA.4

HOLES SHALL BE DRILLED AND CLEANED IN ACCORDANCE WITH THE MANUFACTURER’S WRITTEN INSTRUCTIONS. SUBSTITUTION REQUESTS, FOR PRODUCTS OTHER THAN THOSE SHOWN SHALL BE SUBMITTED BY THE CONTRACTOR ALONG WITH PREPARED DOCUMENTATION DEMONSTRATING THAT THE PRODUCT IS CAPABLE OF ACHIEVING EQUIVALENT PERFORMANCE VALUES (MINIMUM) OF THE SPECIFIED PRODUCT USING THE APPROPRIATE DESIGN PROCEDURE AND/OR STANDARD(S) AS REQUIRED BY THE BUILDING CODE.

PA.5

THE CONTRACTOR SHALL FOLLOW ALL MANUFACTURER'S INSTALLATION GUIDELINES, SPECIFICATIONS, AND RECOMMENDATIONS.

PA.6

ADHESIVE ANCHORS MUST BE INSTALLED IN CONCRETE AGED A MINIMUM OF 21 DAYS.

PA.7

A REPRESENTATIVE OF THE POST-INSTALLED ANCHOR MANUFACTURER SHALL BE PRESENT FOR THE FIRST INSTALLATION OF EACH TYPE OF ANCHOR USED TO DEMONSTRATE AND INSTRUCT TO THE CONTRACTOR’S INSTALLATION CREW AND PERSONNEL THE PROPER METHOD OF INSTALLATION. SHOULD THE CONTRACTOR CHANGE INSTALLATION CREW OR INDIVIDUALS INSTALLING THE ANCHOR, THE MANUFACTURER’S REPRESENTATIVE SHALL BE NOTIFIED BY THE CONTRACTOR TO RETURN AND PROVIDE INSTRUCTION TO THE NEW INSTALLER(S).

PA.8

CONCRETE ANCHORS:

1.

MECHANICAL ANCHORS FOR USE IN CRACKED AND UNCRACKED CONCRETE SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI-355.2 AND ICC-ES AC193.

2.

ADHESIVE ANCHORS FOR USE IN CRACKED AND UNCRACKED CONCRETE SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI355.4 AND ICC-ES AC308.

PA.9

MASONRY ANCHORS:

1.

ANCHORAGE TO SOLID-GROUTED CONCRETE MASONRY:

A.

MECHANICAL AND CONCRETE SCREW ANCHORS FOR USE IN SOLID-GROUTED CONCRETE MASONRY SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC01 OR ICC-ES AC106, RESPECTIVELY.

B.

ADHESIVE ANCHORS FOR USE IN SOLID-GROUTED CONCRETE MASONRY SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC58 OR AC60.

2.

ANCHORAGE TO HOLLOW CONCRETE MASONRY/UNREINFORCED CLAY BRICK MASONRY:

A.

SCREW ANCHORS FOR USE IN HOLLOW CONCRETE MASONRY SHALL HAVE BEEN TESTED AND QUALIFIED IN ACCORDANCE WITH ICC-ES AC106.

B.

ADHESIVE ANCHORS WITH SCREEN TUBES SHALL BE TESTED AND QUALIFIED IN ACCORDANCE WITH ICC-ES AC58 OR AC60, AS APPROPRIATE. THE APPROPRIATE SCREEN TUBE SHALL BE USED AS RECOMMENDED BY THE ADHESIVE MANUFACTURER.

Abbreviations

&	AND	K	KIPS (1000 LBS)
@	AT (WHEN INDICATING SPACING ONLY)	KLF	KIPS PER LINEAL FOOT
		KSF	KIPS PER SQUARE FOOT
		KSI	KIPS PER SQUARE INCH
ADDNL	ADDITIONAL		
ADJ	ADJACENT		
AFF	ABOVE FINISH FLOOR	L	ANGLE
AHU	AIR HANDLING UNIT	LBS	POUNDS
ALT	ALTERNATE	LL	LIVE LOAD
APPROX	APPROXIMATE	LLH	LONG LEG HORIZONTAL
APPRV	APPROVED	LLV	LONG LEG VERTICAL
ARCH.	ARCHITECTURAL	LONG.	LONGITUDINAL
ASD	ALLOWABLE STRESS DESIGN	LRFD	LOAD AND RESISTANCE FACTOR DESIGN
BAL	BALANCE		
BCX	BOTTOM CHORD EXTENSION	M	MOMENT
BFF	BELOW FINISH FLOOR	MAX	MAXIMUM
BLDG	BUILDING	MC	MOMENT CONNECTION(S)
BOT	BOTTOM	MECH	MECHANICAL
BRDG	BRIDGING	MFR	MANUFACTURE(R)
BRG	BEARING	MID	MIDDLE
BTWN	BETWEEN	MIN	MINIMUM
		MISC	MISCELLANEOUS
C	CHANNEL		
C TO C	CENTER TO CENTER	NF	NEAR FACE
CIP	CAST IN PLACE	NO. OR #	NUMBER
CJ	CONTROL JOINT	NS	NEAR SIDE
CL	CENTERLINE	NTS	NOT TO SCALE
CMU	CONCRETE MASONRY UNIT		
COL	COLUMN	OC	ON CENTER
CONC	CONCRETE	OD	OUTSIDE DIAMETER
CONN(S)	CONNECTION(S)	OPNG(S)	OPENING(S)
CONST	CONSTRUCTION	OPP	OPPOSITE
CONT	CONTINUOUS		
CONTR	CONTRACTOR	PAR.	PARALLEL
COORD	COORDINATE	PCI	POUNDS PER CUBIC INCH
CTR	CENTER	PCY	POUNDS PER CUBIC YARD
		PERP	PERPENDICULAR
DBL	DOUBLE	PL	PLATE
DEG OR °	DEGREE	PLBG	PLUMBING
DET	DETAIL	PLF	POUNDS PER LINEAL FOOT
DIA OR Ø	DIAMETER	PREFAB	PREFABRICATED
DIAG	DIAGONAL	PRELIM	PRELIMINARY
DIM(S)	DIMENSION(S)	PROJ	PROJECTION
DL	DEAD LOAD	PSF	POUNDS PER SQUARE FOOT
DWG(S)	DRAWING(S)	PSI	POUNDS PER SQUARE INCH
DWL(S)	DOWEL(S)	PT	POST-TENSION
EA	EACH	R	RADIUS
EF	EACH FACE	REF	REFERENCE
EL	ELEVATION	REINF	REINFORCING
ELEC	ELECTRICAL	REQD	REQUIRED
EMBED.	EMBEDMENT	RND	ROUND
ENGR	ENGINEER	RTU	ROOF TOP UNIT
EOS	EDGE OF SLAB		
EQ	EQUAL	SCHED	SCHEDULE
EQUIP.	EQUIPMENT	SECT	SECTION
EW	EACH WAY	SHT	SHEET
EXIST.	EXISTING	SIM	SIMILAR
EXP	EXPANSION	SPEC(S)	SPECIFICATION(S)
EXT	EXTERIOR	SQ	SQUARE
		STD	STANDARD
FDN	FOUNDATION	STIFF.	STIFFENER
FF	FINISHED FLOOR	STL	STEEL
FIN.	FINISH(ED)	STRUCT	STRUCTURE OR STRUCT'L
FLG	FLANGE	SYM	SYMMETRICAL
FLR	FLOOR		
FS	FAR SIDE	T&B	TOP AND BOTTOM
FT	FOOT	T.O.P.	TOP OF PIER OR PEDESTAL
FTG	FOOTING	T.O.W.	TOP OF WALL
FV	FIELD VERIFY	TCX	TOP CHORD EXTENSION
		TEMP	TEMPERATURE
GA	GAGE OR GAUGE	TOF	TOP OF FOOTING
GALV	GALVANIZED	TOJ	TOP OF JOIST
GC	GENERAL CONTRACTOR	TOS	TOP OF STEEL
GEN	GENERAL	TYP	TYPICAL
GR	GRADE		
GRD	GROUND	U.N.	UNLESS NOTED
H STUD(S)	HEADED STUD(S)	V	SHEAR
HK	HOOK	VERT	VERTICAL
HORZ	HORIZONTAL		
HT	HEIGHT	W/	WITH
		W/O	WITHOUT
I.F.	INSIDE FACE	WF	WIDE FLANGE
ID	INSIDE DIAMETER	WL	WIND LOAD
INFO	INFORMATION	WP	WORK POINT
INT	INTERIOR	WT	WEIGHT
		WWR	WELDED WIRE REINFORCEMENT
JG	JOIST GIRDER		
JST(S)	JOIST(S)	XS	EXTRA STRONG
JT	JOINT	XXS	DOUBLE EXTRA STRONG

PA.1

POST INSTALLED ANCHORS SHALL COMPLY WITH ACI-318 **CHAPTER 17.**

PA.2

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PA.5

THE CONTRACTOR SHALL FOLLOW ALL MANUFACTURER'S INSTALLATION GUIDELINES, SPECIFICATIONS, AND RECOMMENDATIONS.

PA.6

ADHESIVE ANCHORS MUST BE INSTALLED IN CONCRETE AGED A MINIMUM OF 21 DAYS.

PA.7

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PA.8

CONCRETE ANCHORS:

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2.

ADHESIVE ANCHORS FOR USE IN CRACKED AND UNCRACKED CONCRETE SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI355.4 AND ICC-ES AC308.

PA.9

MASONRY ANCHORS:

1.

ANCHORAGE TO SOLID-GROUTED CONCRETE MASONRY:

A.

MECHANICAL AND CONCRETE SCREW ANCHORS FOR USE IN SOLID-GROUTED CONCRETE MASONRY SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC01 OR ICC-ES AC106, RESPECTIVELY.

B.

ADHESIVE ANCHORS FOR USE IN SOLID-GROUTED CONCRETE MASONRY SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC58 OR AC60.

2.

ANCHORAGE TO HOLLOW CONCRETE MASONRY/UNREINFORCED CLAY BRICK MASONRY:

A.

SCREW ANCHORS FOR USE IN HOLLOW CONCRETE MASONRY SHALL HAVE BEEN TESTED AND QUALIFIED IN ACCORDANCE WITH ICC-ES AC106.

B.

ADHESIVE ANCHORS WITH SCREEN TUBES SHALL BE TESTED AND QUALIFIED IN ACCORDANCE WITH ICC-ES AC58 OR AC60, AS APPROPRIATE. THE APPROPRIATE SCREEN TUBE SHALL BE USED AS RECOMMENDED BY THE ADHESIVE MANUFACTURER.

Abbreviations

&	AND	K	KIPS (1000 LBS)
@	AT (WHEN INDICATING SPACING ONLY)	KLF	KIPS PER LINEAL FOOT
		KSF	KIPS PER SQUARE FOOT
		KSI	KIPS PER SQUARE INCH
ADDNL	ADDITIONAL		
ADJ	ADJACENT		
AFF	ABOVE FINISH FLOOR	L	ANGLE
AHU	AIR HANDLING UNIT	LBS	POUNDS
ALT	ALTERNATE	LL	LIVE LOAD
APPROX	APPROXIMATE	LLH	LONG LEG HORIZONTAL
APPRV	APPROVED	LLV	LONG LEG VERTICAL
ARCH.	ARCHITECTURAL	LONG.	LONGITUDINAL
ASD	ALLOWABLE STRESS DESIGN	LRFD	LOAD AND RESISTANCE FACTOR DESIGN
BAL	BALANCE		
BCX	BOTTOM CHORD EXTENSION	M	MOMENT
BFF	BELOW FINISH FLOOR	MAX	MAXIMUM
BLDG	BUILDING	MC	MOMENT CONNECTION(S)
BOT	BOTTOM	MECH	MECHANICAL
BRDG	BRIDGING	MFR	MANUFACTURE(R)
BRG	BEARING	MID	MIDDLE
BTWN	BETWEEN	MIN	MINIMUM
		MISC	MISCELLANEOUS
C	CHANNEL		
C TO C	CENTER TO CENTER	NF	NEAR FACE
CIP	CAST IN PLACE	NO. OR #	NUMBER
CJ	CONTROL JOINT	NS	NEAR SIDE
CL	CENTERLINE	NTS	NOT TO SCALE
CMU	CONCRETE MASONRY UNIT		
COL	COLUMN	OC	ON CENTER
CONC	CONCRETE	OD	OUTSIDE DIAMETER
CONN(S)	CONNECTION(S)	OPNG(S)	OPENING(S)
CONST	CONSTRUCTION	OPP	OPPOSITE
CONT	CONTINUOUS		
CONTR	CONTRACTOR	PAR.	PARALLEL
COORD	COORDINATE	PCI	POUNDS PER CUBIC INCH
CTR	CENTER	PCY	POUNDS PER CUBIC YARD
		PERP	PERPENDICULAR
DBL	DOUBLE	PL	PLATE
DEG OR °	DEGREE	PLBG	PLUMBING
DET	DETAIL	PLF	POUNDS PER LINEAL FOOT
DIA OR Ø	DIAMETER	PREFAB	PREFABRICATED
DIAG	DIAGONAL	PRELIM	PRELIMINARY
DIM(S)	DIMENSION(S)	PROJ	PROJECTION
DL	DEAD LOAD	PSF	POUNDS PER SQUARE FOOT
DWG(S)	DRAWING(S)	PSI	POUNDS PER SQUARE INCH
DWL(S)	DOWEL(S)	PT	POST-TENSION
EA	EACH	R	RADIUS
EF	EACH FACE	REF	REFERENCE
EL	ELEVATION	REINF	REINFORCING
ELEC	ELECTRICAL	REQD	REQUIRED
EMBED.	EMBEDMENT	RND	ROUND
ENGR	ENGINEER	RTU	ROOF TOP UNIT
EOS	EDGE OF SLAB		
EQ	EQUAL	SCHED	SCHEDULE
EQUIP.	EQUIPMENT	SECT	SECTION
EW	EACH WAY	SHT	SHEET
EXIST.	EXISTING	SIM	SIMILAR
EXP	EXPANSION	SPEC(S)	SPECIFICATION(S)
EXT	EXTERIOR	SQ	SQUARE
		STD	STANDARD
FDN	FOUNDATION	STIFF.	STIFFENER
FF	FINISHED FLOOR	STL	STEEL
FIN.	FINISH(ED)	STRUCT	STRUCTURE OR STRUCT'L
FLG	FLANGE	SYM	SYMMETRICAL
FLR	FLOOR		
FS	FAR SIDE	T&B	TOP AND BOTTOM
FT	FOOT	T.O.P.	TOP OF PIER OR PEDESTAL
FTG	FOOTING	T.O.W.	TOP OF WALL
FV	FIELD VERIFY	TCX	TOP CHORD EXTENSION
		TEMP	TEMPERATURE
GA	GAGE OR GAUGE	TOF	TOP OF FOOTING
GALV	GALVANIZED	TOJ	TOP OF JOIST
GC	GENERAL CONTRACTOR	TOS	TOP OF STEEL
GEN	GENERAL	TYP	TYPICAL
GR	GRADE		
GRD	GROUND	U.N.	UNLESS NOTED
H STUD(S)	HEADED STUD(S)	V	SHEAR
HK	HOOK	VERT	VERTICAL
HORZ	HORIZONTAL		
HT	HEIGHT	W/	WITH
		W/O	WITHOUT
I.F.	INSIDE FACE	WF	WIDE FLANGE
ID	INSIDE DIAMETER	WL	WIND LOAD
INFO	INFORMATION	WP	WORK POINT
INT	INTERIOR	WT	WEIGHT
		WWR	WELDED WIRE REINFORCEMENT
JG	JOIST GIRDER		
JST(S)	JOIST(S)	XS	EXTRA STRONG
JT	JOINT	XXS	DOUBLE EXTRA STRONG

PA.1

POST INSTALLED ANCHORS SHALL COMPLY WITH ACI-318 **CHAPTER 17.**

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CARE SHALL BE TAKEN IN PLACING POST INSTALLED ANCHORS TO AVOID CONFLICTS WITH EXISTING REBAR.

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THE CONTRACTOR SHALL FOLLOW ALL MANUFACTURER'S INSTALLATION GUIDELINES, SPECIFICATIONS, AND RECOMMENDATIONS.

PA.6

ADHESIVE ANCHORS MUST BE INSTALLED IN CONCRETE AGED A MINIMUM OF 21 DAYS.

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A REPRESENTATIVE OF THE POST-INSTALLED ANCHOR MANUFACTURER SHALL BE PRESENT FOR THE FIRST INSTALLATION OF EACH TYPE OF ANCHOR USED TO DEMONSTRATE AND INSTRUCT TO THE CONTRACTOR’S INSTALLATION CREW AND PERSONNEL THE PROPER METHOD OF INSTALLATION. SHOULD THE CONTRACTOR CHANGE INSTALLATION CREW OR INDIVIDUALS INSTALLING THE ANCHOR, THE MANUFACTURER’S REPRESENTATIVE SHALL BE NOTIFIED BY THE CONTRACTOR TO RETURN AND PROVIDE INSTRUCTION TO THE NEW INSTALLER(S).

PA.8

CONCRETE ANCHORS:

1.

MECHANICAL ANCHORS FOR USE IN CRACKED AND UNCRACKED CONCRETE SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI-355.2 AND ICC-ES AC193.

2.

ADHESIVE ANCHORS FOR USE IN CRACKED AND UNCRACKED CONCRETE SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI355.4 AND ICC-ES AC308.

PA.9

MASONRY ANCHORS:

1.

ANCHORAGE TO SOLID-GROUTED CONCRETE MASONRY:

A.

MECHANICAL AND CONCRETE SCREW ANCHORS FOR USE IN SOLID-GROUTED CONCRETE MASONRY SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC01 OR ICC-ES AC106, RESPECTIVELY.

B.

ADHESIVE ANCHORS FOR USE IN SOLID-GROUTED CONCRETE MASONRY SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC58 OR AC60.

2.

ANCHORAGE TO HOLLOW CONCRETE MASONRY/UNREINFORCED CLAY BRICK MASONRY:

A.

SCREW ANCHORS FOR USE IN HOLLOW CONCRETE MASONRY SHALL HAVE BEEN TESTED AND QUALIFIED IN ACCORDANCE WITH ICC-ES AC106.

B.

ADHESIVE ANCHORS WITH SCREEN TUBES SHALL BE TESTED AND QUALIFIED IN ACCORDANCE WITH ICC-ES AC58 OR AC60, AS APPROPRIATE. THE APPROPRIATE SCREEN TUBE SHALL BE USED AS RECOMMENDED BY THE ADHESIVE MANUFACTURER.

Abbreviations

&	AND	K	KIPS (1000 LBS)
@	AT (WHEN INDICATING SPACING ONLY)	KLF	KIPS PER LINEAL FOOT
		KSF	KIPS PER SQUARE FOOT
		KSI	KIPS PER SQUARE INCH
ADDNL	ADDITIONAL		
ADJ	ADJACENT		
AFF	ABOVE FINISH FLOOR	L	ANGLE
AHU	AIR HANDLING UNIT	LBS	POUNDS
ALT	ALTERNATE	LL	LIVE LOAD
APPROX	APPROXIMATE	LLH	LONG LEG HORIZONTAL
APPRV	APPROVED	LLV	LONG LEG VERTICAL
ARCH.	ARCHITECTURAL	LONG.	LONGITUDINAL
ASD	ALLOWABLE STRESS DESIGN	LRFD	LOAD AND RESISTANCE FACTOR DESIGN
BAL	BALANCE		
BCX	BOTTOM CHORD EXTENSION	M	MOMENT
BFF	BELOW FINISH FLOOR	MAX	MAXIMUM
BLDG	BUILDING	MC	MOMENT CONNECTION(S)
BOT	BOTTOM	MECH	MECHANICAL
BRDG	BRIDGING	MFR	MANUFACTURE(R)
BRG	BEARING	MID	MIDDLE
BTWN	BETWEEN	MIN	MINIMUM
		MISC	MISCELLANEOUS
C	CHANNEL		
C TO C	CENTER TO CENTER	NF	NEAR FACE
CIP	CAST IN PLACE	NO. OR #	NUMBER
CJ	CONTROL JOINT	NS	NEAR SIDE
CL	CENTERLINE	NTS	NOT TO SCALE
CMU	CONCRETE MASONRY UNIT		
COL	COLUMN	OC	ON CENTER
CONC	CONCRETE	OD	OUTSIDE DIAMETER
CONN(S)	CONNECTION(S)	OPNG(S)	OPENING(S)
CONST	CONSTRUCTION	OPP	OPPOSITE
CONT	CONTINUOUS		
CONTR	CONTRACTOR	PAR.	PARALLEL
COORD	COORDINATE	PCI	POUNDS PER CUBIC INCH
CTR	CENTER	PCY	POUNDS PER CUBIC YARD
		PERP	PERPENDICULAR
DBL	DOUBLE	PL	PLATE
DEG OR °	DEGREE	PLBG	PLUMBING
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GRD	GROUND	U.N.	UNLESS NOTED
H STUD(S)	HEADED STUD(S)	V	SHEAR
HK	HOOK	VERT	VERTICAL
HORZ	HORIZONTAL		
HT	HEIGHT	W/	WITH
		W/O	WITHOUT
I.F.	INSIDE FACE	WF	WIDE FLANGE
ID	INSIDE DIAMETER	WL	WIND LOAD
INFO	INFORMATION	WP	WORK POINT
INT	INTERIOR	WT	WEIGHT
		WWR	WELDED WIRE REINFORCEMENT
JG	JOIST GIRDER		
JST(S)	JOIST(S)	XS	EXTRA STRONG
JT	JOINT	XXS	DOUBLE EXTRA STRONG

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Special Inspection General Notes

SPECIAL INSPECTIONS

SI.1 ALL SPECIAL INSPECTIONS SHALL BE PERFORMED IN CONFORMANCE WITH THE APPLICABLE INTERNATIONAL BUILDING CODE AND ITS REFERENCED SPECIFICATIONS.

SI.2 THE SPECIAL INSPECTOR SHALL BE EMPLOYED BY THE OWNER OR THE OWNER’S AGENT AND NOT BY THE CONTRACTOR OR SUBCONTRACTOR WHOSE WORK IS TO BE INSPECTED OR TESTED. ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE BUILDING OFFICIAL PRIOR TO COMMENCING WORK.

SI.3 THE SPECIAL INSPECTOR SHALL BE QUALIFIED PER THE INTERNATIONAL BUILDING CODE AND SHALL BE EDUCATED IN THE TASKS REQUIRED TO CONDUCT, SUPERVISE, AND EVALUATE THE INSPECTIONS. THE SPECIAL INSPECTOR MUST ALSO BE OBJECTIVE, COMPETENT, AND HAVE ACCESS TO THE APPROPRIATE TESTING EQUIPMENT WHICH SHALL BE MAINTAINED AND PERIODICALLY CALIBRATED. THE QUALIFICATIONS OF THE SPECIAL INSPECTOR MAY BE SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL.

SI.4 SPECIAL INSPECTION AGENTS:

1. APPROVED TESTING AGENCY
2. GEOTECHNICAL ENGINEER OF RECORD:
TERRACON
5031 MILGEN COURT
COLUMBUS, GA 31907

EOR: ENGINEER OF RECORD:
LBYD INC.
1525 PERIMETER PARKWAY NW
SUITE 510
HUNTSVILLE, AL 35806

SI.5 THE SPECIAL INSPECTIONS SHALL BE PERFORMED IN ADDITION TO ANY OBSERVATIONS PERFORMED BY THE ENGINEER OF RECORD AND ANY INSPECTIONS PERFORMED BY THE BUILDING OFFICIAL.

SI.6 THE SPECIAL INSPECTOR SHALL MAINTAIN RECORDS AND PROVIDE THE REQUIRED DOCUMENTATION AS PRESCRIBED IN THE INTERNATIONAL BUILDING CODE, INCLUDING THE SUBMITTAL OF REPORTS TO THE BUILDING OFFICIAL AND THE DESIGNER OF RECORD.

SI.7 THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION SCHEDULE WITH THE SPECIAL INSPECTOR TO ALLOW FOR SPECIAL INSPECTIONS.

SI.8 CONSTRUCTION WHICH REQUIRES SPECIAL INSPECTIONS SHALL BE MAINTAINED IN SUCH A STATE AS TO ALLOW ACCESS FOR THE SPECIAL INSPECTOR UNTIL THE REQUIRED INSPECTIONS OR TESTS HAVE BEEN COMPLETED.

SI.9 ANY DEVIATIONS FOUND DURING THE SPECIAL INSPECTION PROCESS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE DESIGNER OF RECORD. ALL DEVIATIONS MUST BE ADDRESSED PRIOR TO COMPLETION OF THE WORK.

SI.10 INSPECTION FREQUENCY:

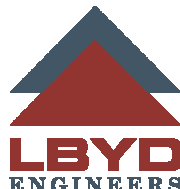
- A. CONTINUOUS – SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS PRESENT WHEN AND WHERE THE WORK TO BE INSPECTED IS BEING PERFORMED.
- B. PERIODIC – SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS INTERMITTENTLY PRESENT WHERE THE WORK TO BE INSPECTED HAS BEEN OR IS BEING PERFORMED.
- C. OBSERVE – OBSERVE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
- D. PERFORM – PERFORM TASKS FOR EACH JOINT, MEMBER, AND CONNECTION.

SI.11 SPECIAL INSPECTIONS FOR STRUCTURAL, LOAD-BEARING, OR LATERAL LOAD BEARING FABRICATED ITEMS SHALL BE PERFORMED FOR THE FABRICATED ITEMS AT THE FABRICATOR’S SHOP. SPECIAL INSPECTIONS FOR FABRICATED ITEMS MAY BE WAIVED WHEN THE FABRICATOR IS REGISTERED AND HAS APPROVAL TO PERFORM THE WORK WITHOUT SPECIAL INSPECTIONS. IF THE INSPECTIONS ARE WAIVED, THE FABRICATOR MUST SUBMIT A CERTIFICATE OF COMPLIANCE TO THE BUILDING OFFICIAL SHOWING COMPLIANCE WITH THE APPROVED STRUCTURAL DRAWINGS.

Composite Deck				
NO.	INSPECTION TASK	FREQUENCY	REFERENCE FOR CRITERIA	AGENT
1.00	INSPECTION OF STEEL ELEMENTS OF COMPOSITE CONSTRUCTION PRIOR TO CONCRETE PLACEMENT:		AISC SEC N6.1	
1.01	PLACEMENT AND INSTALLATION OF STEEL DECK	PERFORM		ATA
1.02	PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS	PERFORM		ATA
1.03	DOCUMENT ACCEPTANCE OR REJECTION OF STEEL ELEMENTS	PERFORM		ATA

Concrete				
NO.	INSPECTION TASK	FREQUENCY	REFERENCE STANDARD	AGENT
1.00	INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	PERIODIC	ACI 318 CH 20, 25.2, 25.3, 26.5.1-26.5.3; IBC 1908.4	ATA
2.00	REINFORCING BAR WELDING:			ATA
2.01	VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A 706.	PERIODIC	AWS D1.4	ATA
2.02	INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16".	PERIODIC	ACI 318: 26.5.4	ATA
2.03	INSPECT ALL OTHER WELDS.	CONTINUOUS		ATA
3.00	INSPECT ANCHORS CAST IN CONCRETE.	PERIODIC	ACI 318: 17.8.2	ATA
4.00	INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.			ATA
4.01	INSPECT ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	CONTINUOUS	ACI 318: 17.8.2.4	ATA
4.02	INSPECT MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.01.	PERIODIC	ACI 318: 17.8.2	ATA
5.00	VERIFY USE OF REQUIRED DESIGN MIX.	PERIODIC	ACI 318: CH 19, 26.4.3, 26.4.4; IBC 1904.1, 1904.2, 1908.2, 1908.3	ATA
6.00	PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE. DETERMINE UNIT WEIGHT OF LIGHTWEIGHT CONCRETE.	CONTINUOUS	ASTM C 172; ASTM C 31; ACI 318:26.4.5, 26.12; IBC 1908.10	ATA
7.00	INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	CONTINUOUS	ACI 318: 26.4.5; IBC 1908.6, 1908.7, 1908.8	ATA
8.00	VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	PERIODIC	ACI 318: 26.4.7-26.4.9; IBC 1908.9	ATA
9.00	INSPECT PRESTRESSED CONCRETE FOR:			ATA
9.01	APPLICATION OF PRESTRESSING FORCES.	CONTINUOUS	ACI 318: 26.9.2.1	ATA
9.02	GROUTING OF BONDED PRESTRESSING TENDONS.	CONTINUOUS	ACI 318: 26.9.2.3	ATA
10.00	INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.	PERIODIC	ACI 318: CH 26.8	ATA
11.00	VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	PERIODIC	ACI 318: 26.10.2	ATA
12.00	INSPECT FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	PERIODIC	ACI 318: 26.10.1(B)	ATA
13.00	ISOLATED CONCRETE FOOTINGS OF BUILDINGS THREE STORIES OR LESS ARE EXCEPTED FROM INSPECTIONS BUT NOT FROM MATERIALS TESTING.		IBC 1705.3 (1)	ATA
14.00	CONTINUOUS CONCRETE FOOTINGS SUPPORTING WALLS OF LIGHT-FRAME CONSTRUCTION OR THOSE THAT ARE DESIGNED IN ACCORDANCE WITH IBC 2015 TABLE 1809.7 ARE EXCEPTED FROM INSPECTIONS BUT NOT FROM MATERIALS TESTING.		IBC 1705.3 (2)	ATA
15.00	SLABS ON GRADE ARE EXCEPTED FROM INSPECTIONS BUT NOT FROM MATERIALS TESTING.		IBC 1705.3 (3)	ATA
16.00	CONCRETE FOUNDATION WALLS CONSTRUCTED IN ACCORDANCE WITH IBC 2015 TABLE 1807.1.6.2 ARE EXCEPTED FROM INSPECTIONS BUT NOT FROM MATERIALS TESTING.		IBC 1705.3 (4)	ATA

Masonry - Level C				
NO.	INSPECTION TASK	FREQUENCY	REFERENCE FOR CRITERIA TMS 402/ACI 530/ASCE 5 TMS 602/ACI 530.1/ASCE 6	AGENT
1.00	VERIFICATION OF F'M AND F'AAc PRIOR TO CONSTRUCTION AND FOR EVERY 5,000 SQUARE FEET DURING CONSTRUCTION.	PERIODIC	TMS 602 ART. 1.4 B	ATA
2.00	VERIFICATION OF PROPORTIONS OF MATERIALS IN PREMIXED OR PREBLENDED MORTAR, PRESTRESSING GROUT, AND GROUT OTHER THAN SELF-CONSOLIDATING GROUT, AS DELIVERED TO THE PROJECT SITE	PERIODIC		ATA
3.00	VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) AS DELIVERED TO THE PROJECT SITE FOR SELF-CONSOLIDATING GROUT	PERIODIC	TMS 602 ART. 1.5 B.1.b.3	ATA
4.00	VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS.	PERIODIC	TMS 602 ART. 1.5	ATA
5.00	VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:			
5.01	PROPORTIONS OF SITE-MIXED MORTAR, GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS	PERIODIC	TMS 602 ART. 2.1, 2.6 A, 2.6 B, 2.6 C, 2.4 G.1.b	ATA
5.02	GRADE, TYPE, AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS, AND PRESTRESSING TENDONS AND ANCHORAGES	PERIODIC	TMS 402 SEC. 6.1; TMS 602 ART. 2.4, 3.4	ATA
5.03	PLACEMENT OF MASONRY UNITS AND CONSTRUCTION OF MORTAR JOINTS	PERIODIC	TMS 602 ART. 3.3 B	ATA
5.04	PLACEMENT OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES	CONTINUOUS	TMS 402 SEC. 6.1, 6.2.1, 6.2.6, 6.2.7; TMS 602 ART. 3.2 E, 3.4, 3.6 A	ATA
5.05	GROUT SPACE PRIOR TO GROUTING	CONTINUOUS	TMS 602 ART. 3.2 D, 3.2 F	ATA
5.06	PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS	CONTINUOUS	TMS 602 ART. 3.5, 3.6 C	ATA
5.07	SIZE AND LOCATION OF STRUCTURAL ELEMENTS	PERIODIC	TMS 602 ART. 3.3 F	ATA
5.08	TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION	CONTINUOUS	TMS 402 SEC. 1.2.1(e), 6.1.4.3, 6.2.1	ATA
5.09	WELDING OF REINFORCEMENT	CONTINUOUS	TMS 402 SEC. 8.1.6.7.2, 9.3.3.4(c), 11.3.3.4(b)	ATA
5.10	PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F)	PERIODIC	TMS 602 ART. 1.8 C, 1.8 D	ATA
5.11	APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE	CONTINUOUS	TMS 602 ART. 3.6 B	ATA
5.12	PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS	CONTINUOUS	TMS 602 ART. 3.3 B.9, 3.3 F.1.b	ATA
5.13	PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY	CONTINUOUS	TMS 602 ART. 2.1 C.1	ATA
6.00	OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS.	CONTINUOUS	TMS 602 ART. 1.4 B.2.a.3, 1.4 B.2.b.3, 1.4 B.2.c.3, 1.4 B.3, 1.4 B.4	ATA



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Civil and Structural Engineers
880 Montclair Road
Suite 600
Birmingham, AL 35213
Phone (205) 251-4500
Project No. 133946
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**LATHAN
McKEE**
ARCHITECTS

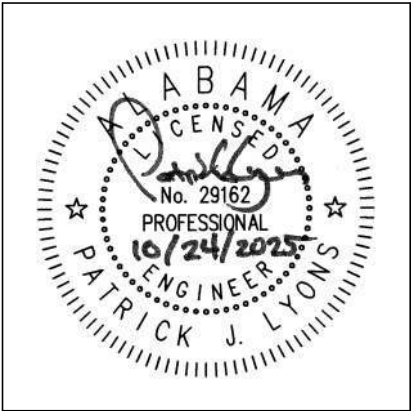
NEW EMA CENTER FOR

RUSSELL COUNTY, ALABAMA

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RUSSELL COUNTY COMMISSION

SHEET TITLE:
SPECIAL
INSPECTIONS



PROJ. MGR.: PJL

DRAWN: ELP

DATE: 10/24/2025

REVISIONS

JOB NO. 25-13

SHEET NO: S1.5

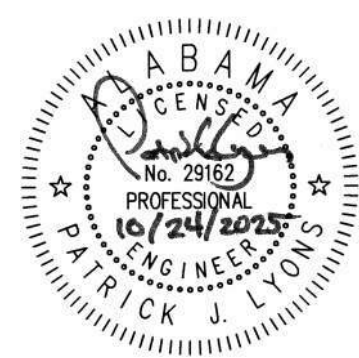
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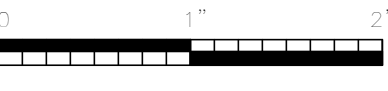
REVISIONS

JOB NO. 25-13

SHEET NO:

S1.6

6 OF 16



Structural Steel

NO.	INSPECTION TASK	FREQUENCY	REFERENCE FOR CRITERIA	AGENT
1.00	INSPECTOR SHALL BE ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT OF ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL		AISC 360 SEC. N5.7	ATA
1.01	DIAMETER, GRADE, TYPE, LENGTH, AND EMBEDMENT DEPTH OF ANCHOR RODS AND OTHER EMBEDDED ITEMS	PERFORM		ATA
1.02	INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS APPROPRIATE, TO VERIFY COMPLIANCE WITH THE DETAILS SHOWN, SUCH AS BRACES, STIFFENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CONNECTION.	PERFORM		ATA
2.00	INSPECTION TASKS PRIOR TO WELDING:		AISC 360 SEC. N5.4	
2.01	WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE	PERFORM		ATA
2.02	MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	PERFORM		ATA
2.03	MATERIAL IDENTIFICATION (TYPE/GRADE)	OBSERVE		ATA
2.04	WELDER IDENTIFICATION SYSTEM (a)	OBSERVE		ATA
2.05	FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY), JOINT PREPARATION, DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL), CLEANLINESS (CONDITION OF STEEL SURFACES), TACKING (TACK WELD QUALITY AND LOCATION), AND BACKING TYPE AND FIT (IF APPLICABLE)	OBSERVE		ATA
2.06	CONFIGURATION AND FINISH OF ACCESS HOLES	OBSERVE		ATA
2.07	CHECK WELDING EQUIPMENT	OBSERVE		ATA
3.00	INSPECTION TASKS DURING WELDING:		AISC 360 SEC. N5.4	
3.01	USE OF QUALIFIED WELDERS	OBSERVE		ATA
3.02	CONTROL AND HANDLING OF WELDING CONSUMABLE PACKAGING AND EXPOSURE CONTROL	OBSERVE		ATA
3.03	NO WELDING OVER CRACKED TACK WELDS	OBSERVE		ATA
3.04	ENVIRONMENTAL CONDITIONS INCLUDING WIND SPEED WITHIN LIMITS, PRECIPITATION, AND TEMPERATURE	OBSERVE		ATA
3.05	WPS FOLLOWED INCLUDING SETTINGS ON WELDING EQUIPMENT, TRAVEL SPEED, SELECTED WELDING MATERIALS, SHIELDING GAS TYPE/FLOW RATE, PREHEAT APPLIED, INTERPASS TEMPERATURE MAINTAINED (MIN/MAX), AND PROPER POSITION (F, V, H, OH)	OBSERVE		ATA
3.06	WELDING TECHNIQUES INCLUDING: INTERPASS AND FINAL CLEANING, EACH PASS WITHIN PROFILE LIMITATIONS, EACH PASS MEETS QUALITY REQUIREMENTS	OBSERVE		ATA
4.00	INSPECTION TASKS AFTER WELDING:		AISC 360 SEC. N5.4	
4.01	WELDS CLEANED	OBSERVE		ATA
4.02	SIZE, LENGTH, AND LOCATION OF WELDS	PERFORM		ATA
4.03	WELDS MEET VISUAL ACCEPTANCE CRITERIA FOR: CRACK PROHIBITION, WELD/BASE-METAL FUSION, CRATER CROSS SECTION, WELD PROFILES, WELD SIZE, UNDERCUT, AND POROSITY	PERFORM		ATA
4.04	ARC STRIKES	PERFORM		ATA
4.05	K-AREA (b)	PERFORM		ATA
4.06	BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	PERFORM		ATA
4.07	REPAIR ACTIVITIES	PERFORM		ATA
5.00	INSPECTION TASKS PRIOR TO BOLTING:		AISC 360 SEC. N5.6	
5.01	MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	PERFORM		ATA
5.02	FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	OBSERVE		ATA
5.03	PROPER FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)	OBSERVE		ATA
5.04	PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	OBSERVE		ATA
5.05	CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	OBSERVE		ATA
5.06	PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	OBSERVE		ATA
5.07	PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS	OBSERVE		ATA
6.00	INSPECTION TASKS DURING BOLTING:		AISC 360 SEC. N5.6	
6.01	FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED	OBSERVE		ATA
6.02	JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	OBSERVE		ATA
6.03	FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	OBSERVE		ATA
6.04	FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	OBSERVE		ATA
7.00	INSPECTION TASKS AFTER BOLTING:		AISC 360 SEC. N5.6	
7.01	DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	PERFORM		ATA
NOTES:	(a) THE FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED. STAMPS, IF USED, SHALL BE THE LOW-STRESS TYPE.			
	(b) WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3 IN. (75MM) OF THE WELD.			

Steel Joists

NO.	INSPECTION TASK	FREQUENCY	REFERENCE FOR CRITERIA	AGENT
1.00	INSTALLATION OF OPEN-WEB STEEL JOISTS AND JOIST GIRDERS.			
1.01	END CONNECTIONS - WELDED OR BOLTED.	PERIODIC	SJI SPECIFICATIONS LISTED IN IBC 2207.1	ATA
1.02	HORIZONTAL OR DIAGONAL STANDARD BRIDGING OR BRIDGING THAT DIFFERS FROM SJI SPECIFICATIONS LISTED IN SECTION 2207.1.	PERIODIC	SJI SPECIFICATIONS LISTED IN IBC 2207.1	ATA

Steel Deck

NO.	INSPECTION TASK	FREQUENCY	REFERENCE FOR CRITERIA	AGENT
1.00	INSPECTION OR EXECUTION TASKS PRIOR TO DECK PLACEMENT:		SDI STD QA/QC TABLE 1.1	
1.01	VERIFY COMPLIANCE OF MATERIALS (DECK AND ALL DECK ACCESSORIES) WITH CONSTRUCTION DOCUMENTS, INCLUDING PROFILES, MATERIAL PROPERTIES, AND BASE METAL THICKNESS.	PERFORM		ATA
1.02	DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES.	PERFORM		ATA
2.00	INSPECTION OR EXECUTION TASKS AFTER DECK PLACEMENT:		SDI STD QA/QC TABLE 1.2	
2.01	VERIFY COMPLIANCE OF DECK AND ALL DECK ACCESSORIES INSTALLATION WITH CONSTRUCTION DOCUMENTS.	PERFORM		ATA
2.02	VERIFY DECK MATERIALS ARE REPRESENTED BY THE MILL CERTIFICATIONS THAT COMPLY WITH THE CONSTRUCTION DOCUMENTS.	PERFORM		ATA
2.03	DOCUMENT ACCEPTANCE OR REJECTION OF INSTALLATION OF DECK AND DECK ACCESSORIES.	PERFORM		ATA
3.00	INSPECTION OR EXECUTION TASKS PRIOR TO WELDING:		SDI STD QA/QC TABLE 1.3	
3.01	WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE.	OBSERVE		ATA
3.02	MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE.	OBSERVE		ATA
3.03	MATERIAL INDENTIFICATION (TYPE/GRADE).	OBSERVE		ATA
3.04	CHECK WELDING EQUIPMENT.	OBSERVE		ATA
4.00	INSPECTION OR EXECUTION TASKS DURING WELDING:		SDI STD QA/QC TABLE 1.4	
4.01	USE QUALIFIED WELDERS.	OBSERVE		ATA
4.02	CONTROL AND HANDLING OF WELDING CONSUMABLES.	OBSERVE		ATA
4.03	ENVIRONMENTAL CONDITIONS (WIND SPEED, MOISTURE, TEMPERATURE).	OBSERVE		ATA
4.04	WPS FOLLOWED.	OBSERVE		ATA
5.00	INSPECTION OR EXECUTION TASKS AFTER WELDING:		SDI STD QA/QC TABLE 1.5	
5.01	VERIFY SIZE AND LOCATION OF WELDS, INCLUDING SUPPORT, SIDELAP, AND PERIMETER WELDS.	PERFORM		ATA
5.02	WELDS MEET VISUAL ACCEPTANCE CRITERIA.	PERFORM		ATA
5.03	VERIFY REPAIR ACTIVITIES.	PERFORM		ATA
5.04	DOCUMENT ACCEPTANCE OR REJECTION OF WELDS.	PERFORM		ATA
6.00	INSPECTION OR EXECUTION TASKS PRIOR TO MECHANICAL FASTENING:		SDI STD QA/QC TABLE 1.6	
6.01	MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHANICAL FASTENERS.	OBSERVE		ATA
6.02	PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION.	OBSERVE		ATA
6.03	PROPER STORAGE FOR MECHANICAL FASTENERS.	OBSERVE		ATA
7.00	INSPECTION OR EXECUTION TASKS DURING MECHANICAL FASTENING:		SDI STD QA/QC TABLE 1.7	
7.01	FASTENERS ARE POSITIONED AS REQUIRED.	OBSERVE		ATA
7.02	FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.	OBSERVE		ATA
8.00	INSPECTION OR EXECUTION TASKS AFTER MECHANICAL FASTENING:		SDI STD QA/QC TABLE 1.8	
8.01	CHECK SPACING, TYPE, AND INSTALLATION OF SUPPORT FASTENERS.	PERFORM		ATA
8.02	CHECK SPACING, TYPE, AND INSTALLATION OF SIDELAP FASTENERS.	PERFORM		ATA
8.03	CHECK SPACING, TYPE, AND INSTALLATION OF PERIMETER FASTENERS.	PERFORM		ATA
8.04	VERIFY REPAIR ACTIVITIES.	PERFORM		ATA
8.05	DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS.	PERFORM		ATA

Soils

NO.	INSPECTION TASK	FREQUENCY	REFERENCE FOR CRITERIA	AGENT
1.00	VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	PERIODIC		GEOR
2.00	VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	PERIODIC		GEOR
3.00	PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	PERIODIC		GEOR
4.00	VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT, AND COMPACTION OF COMPACTED FILL.	CONTINUOUS		GEOR
5.00	PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	PERIODIC		GEOR

Wind Resistance for Storm Shelter

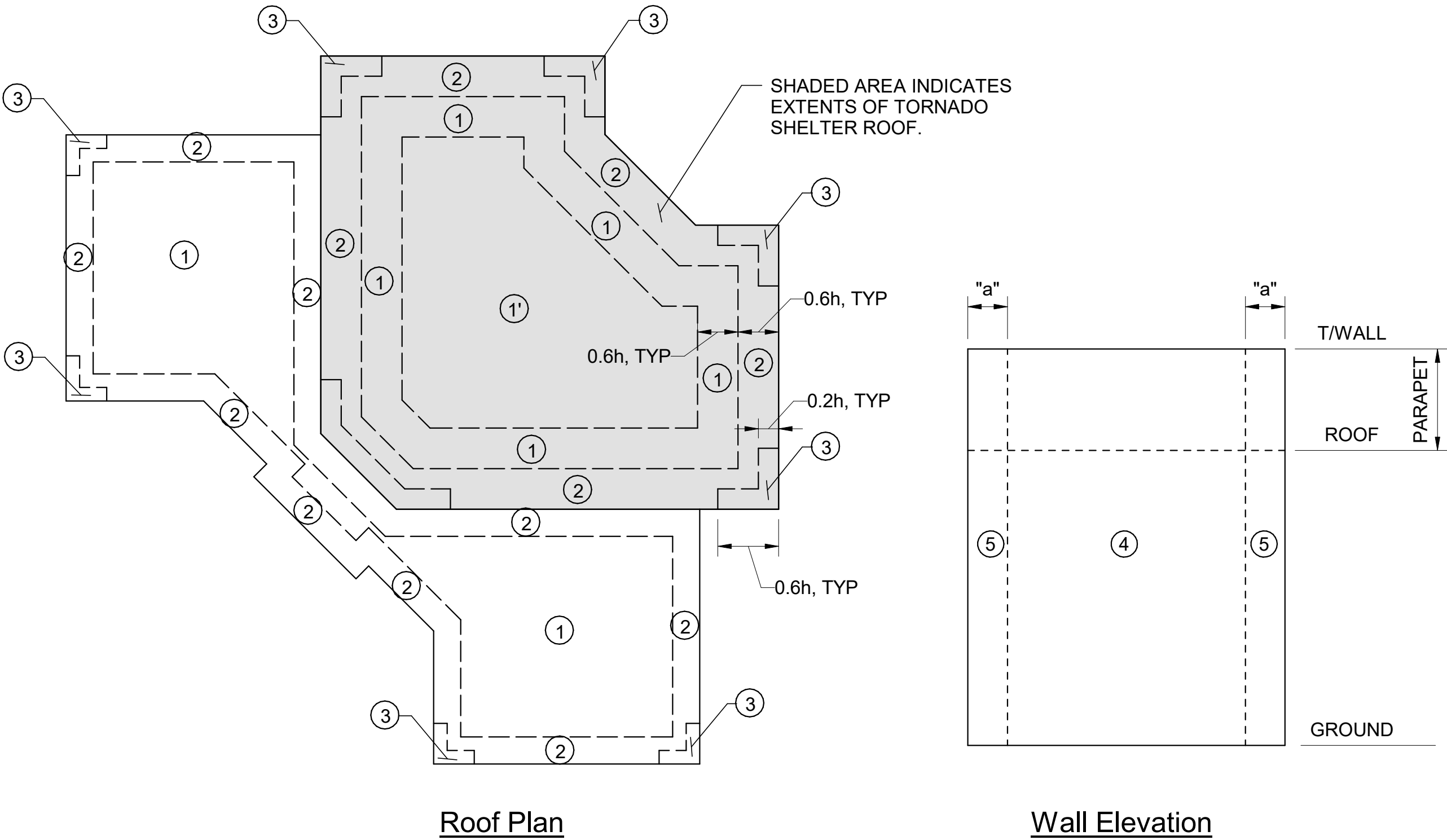
NO.	INSPECTION TASK	FREQUENCY	REFERENCE FOR CRITERIA	AGENT
1.00	WIND RESISTING COMPONENTS		IBC 1705.11.3	
1.01	ROOF COVERINGS, ROOF DECK, AND ROOF FRAMING CONNECTIONS	PERIODIC		ATA
1.02	EXTERIOR WALL COVERING AND CONNECTIONS TO ROOF AND FLOOR DIAPHRAGMS AND FRAMING	PERIODIC		ATA

Components and Cladding Gross Ultimate Wind Pressures			
ZONE	EFFECTIVE WIND AREA (SQ FT)	MAX POSITIVE PRESSURE (PSF)	MAX NEGATIVE PRESSURE (PSF)
ZONE 1' ROOF INTERIOR ZONE	10	78.34	-133.63
	20	78.34	-133.63
	50	73.73	-133.63
	100	69.12	-133.63
ZONE 1 ROOF INTERMEDIATE ZONE	10	78.34	-207.36
	20	78.34	-198.14
	50	73.73	-179.71
	≥100	69.12	-170.50
ZONE 2 ROOF EDGE ZONE	10	78.34	-262.66
	20	78.34	-244.22
	50	73.73	-225.79
	≥100	69.12	-216.58
ZONE 3 ROOF CORNER ZONE	10	78.34	-345.60
	20	78.34	-317.95
	50	73.73	-276.48
	≥100	69.12	-248.83
ZONE 4 WALL INTERIOR ZONE	10	142.85	-152.06
	20	138.24	-147.46
	50	133.63	-142.85
	100	129.02	-133.63
ZONE 5 WALL EDGE ZONE	≥500	115.20	-124.42
	10	142.85	-179.71
	20	138.24	-170.50
	50	133.63	-156.67
	100	129.02	-147.46
	≥500	115.20	-124.42
INTERNAL PRESSURE COEFFICIENT = ± 0.55 WIDTH OF WALL STRIP, a = 4' - 6" RELIABLE ROOF DEAD LOAD FOR UPLIFT = 60.0 PSF WORST CASE ROOF DEAD LOAD = 71.0 PSF			

Roof: Shelter Loads

Components and Cladding Gross Ultimate Wind Pressures			
ZONE	EFFECTIVE WIND AREA (SQ FT)	MAX POSITIVE PRESSURE (PSF)	MAX NEGATIVE PRESSURE (PSF)
ZONE 1' ROOF INTERIOR ZONE	10	12.96	-29.16
	20	12.96	-29.16
	50	11.61	-29.16
	100	10.26	-29.16
ZONE 1 ROOF INTERMEDIATE ZONE	10	12.96	-50.76
	20	12.96	-48.06
	50	11.61	-42.66
	≥100	10.26	-39.96
ZONE 2 ROOF EDGE ZONE	10	12.96	-66.96
	20	12.96	-61.56
	50	11.61	-56.16
	≥100	10.26	-53.46
ZONE 3 ROOF CORNER ZONE	10	12.96	-91.26
	20	12.96	-83.16
	50	11.61	-71.01
	≥100	10.26	-62.91
ZONE 4 WALL INTERIOR ZONE	10	31.86	-34.56
	20	30.51	-33.21
	50	29.16	-31.86
	100	27.81	-29.16
ZONE 5 WALL EDGE ZONE	≥500	23.76	-26.46
	10	31.86	-42.66
	20	30.51	-39.96
	50	29.16	-35.91
	100	27.81	-33.21
	≥500	23.76	-26.46
INTERNAL PRESSURE COEFFICIENT = ± 0.18 WIDTH OF WALL STRIP, a = 3' - 9" RELIABLE ROOF DEAD LOAD FOR UPLIFT = 10 PSF WORST CASE ROOF DEAD LOAD = 20 PSF			

Roof: Non-Shelter Loads



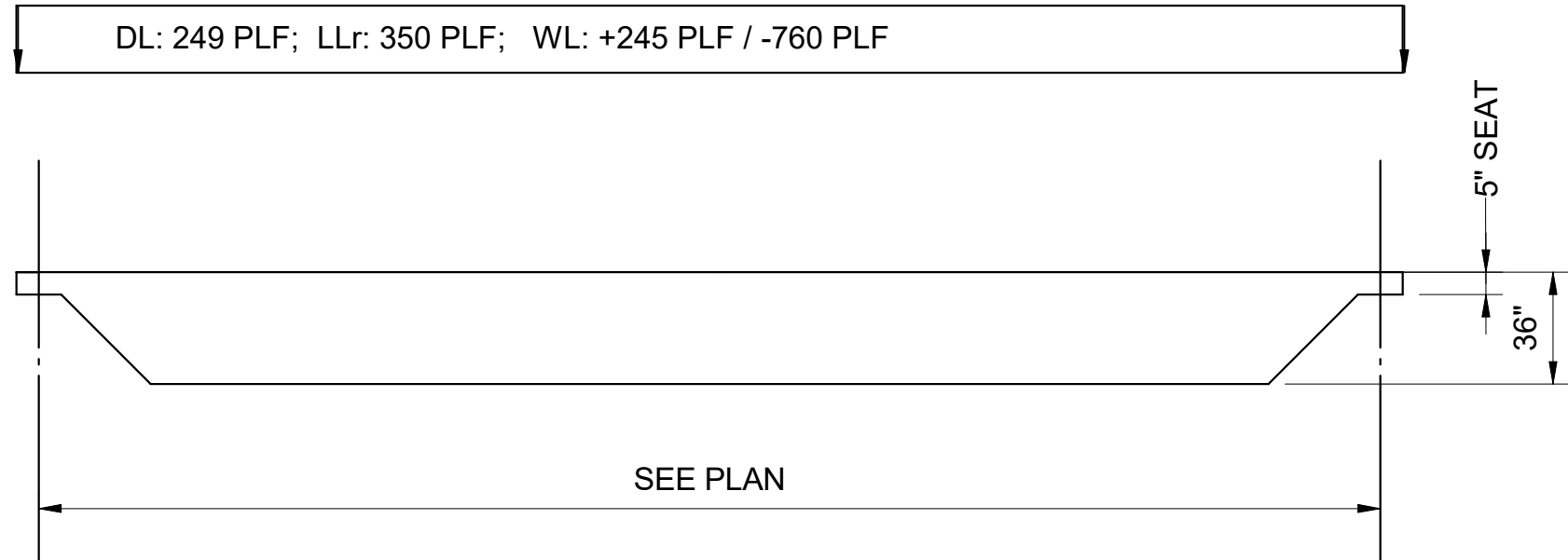
Components and Cladding Wind Pressures

Masonry Tension Lap Splice Lengths			
BAR SIZE	f _m = 2000		
	8" CMU	12" CMU	2" COVER
#3	18"	18"	18"
#4	24"	24"	24"
#5	30"	30"	36"
#6	38"	36"	72"
#7	52"	42"	87"

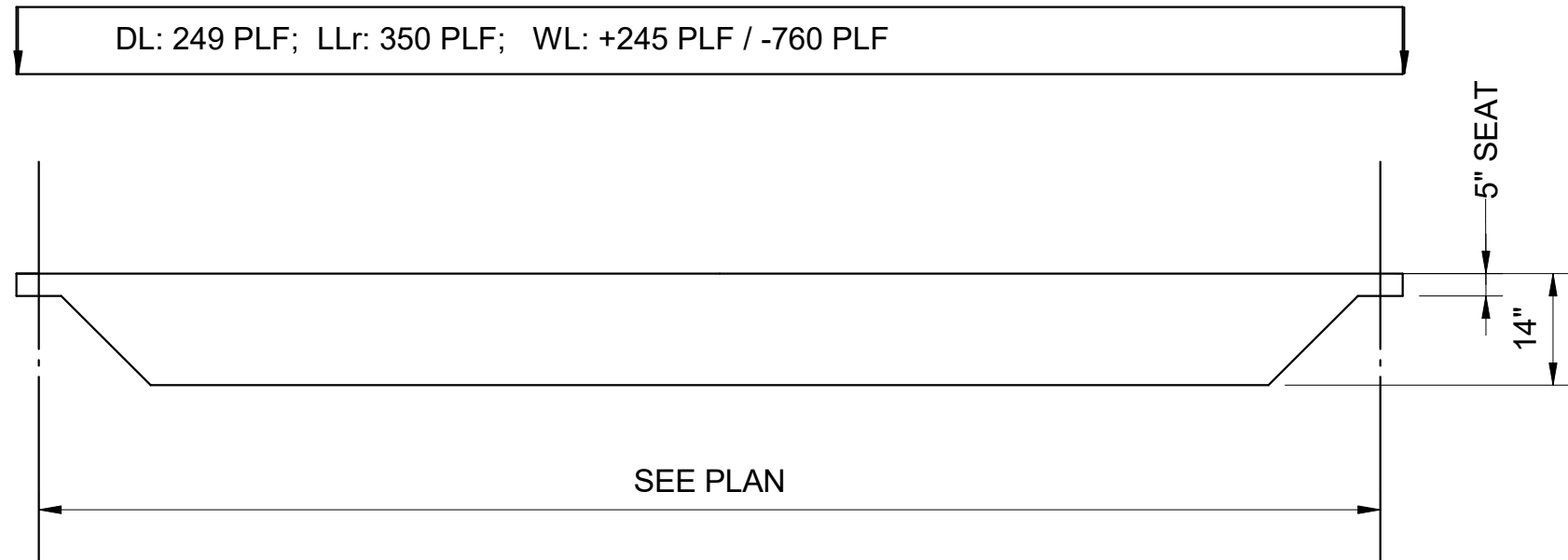
- THIS TABLE CONTAINS DEVELOPMENT AND SPLICE LENGTHS FOR REINFORCEMENT IN CMU ACCORDING TO TMS 402-16.
- VALUES FOR 8" AND 12" CMU TO BE USED FOR BARS CENTERED IN WALL. VALUES FOR 2" COVER TO BE USED FOR DOUBLY REINFORCED WALLS AND BOND BEAMS/LINTELS W/ (2) BARS IN A SINGLE LAYER.
- WHERE VERTICAL BAR IS INTERRUPTED BY A BEARING PLATE OR OTHER OBSTRUCTION, PROVIDE BACK DOWEL MATCHING VERTICAL REINFORCEMENT W/ 8" MAXIMUM OFFSET.
- VALUES IN THIS TABLE SHALL APPLY UNLESS NOTED OTHERWISE ELSEWHERE IN THESE DRAWINGS.

Tension Lap Splice Lengths								
BAR SIZE	f _C = 3000				f _C = 4500			
	TOP BARS		OTHER BARS		TOP BARS		OTHER BARS	
	A	B	A	B	A	B	A	B
#3	22"	28"	17"	22"	19"	24"	15"	19"
#4	29"	37"	22"	29"	25"	37"	19"	25"
#5	36"	47"	28"	36"	31"	40"	24"	31"
#6	43"	56"	33"	43"	37"	48"	29"	37"
#7	63"	81"	48"	63"	54"	70"	42"	54"
#8	72"	93"	55"	72"	62"	80"	48"	62"
#9	81"	105"	62"	81"	70"	91"	54"	70"
#10	91"	118"	70"	91"	79"	102"	61"	79"
#11	101"	131"	78"	101"	87"	113"	67"	87"

TOP BARS ARE HORIZONTAL REINFORCEMENT WITH MORE THAN 12" OF CONCRETE CAST BELOW THE REINFORCEMENT.



PROVIDE STANDARD JOIST CAMBER
JOIST IS TO BE DESIGNED AS NON-COMPOSITE
DESIGN TOP CHORD FOR THE FOLLOWING BEND-CHECK LOAD: WL: 3055 LB



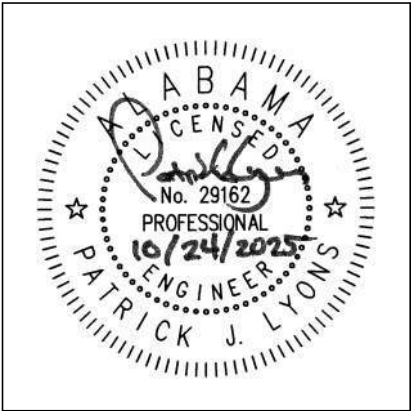
PROVIDE STANDARD JOIST CAMBER
JOIST IS TO BE DESIGNED AS NON-COMPOSITE
DESIGN TOP CHORD FOR THE FOLLOWING BEND-CHECK LOAD: WL: 3055 LB

JOIST DIAGRAM NOTES:

- SEE GENERAL NOTES SHEET FOR ADDITIONAL STEEL JOIST NOTES.
- SEE PLANS, SECTIONS, AND DETAILS FOR ADDITIONAL DESIGN LOADS.
- LOADS: DL: DEAD LOAD
LLr: ROOF LIVE LOAD
WL: WIND LOAD (+ INDICATES DOWNWARD, - INDICATES UPWARD)

NEW EMA CENTER FOR
RUSSELL COUNTY, ALABAMA
5TH STREET SOUTH, PHENIX CITY AL 36869
RUSSELL COUNTY COMMISSION

SHEET TITLE:
TYPICAL DETAILS

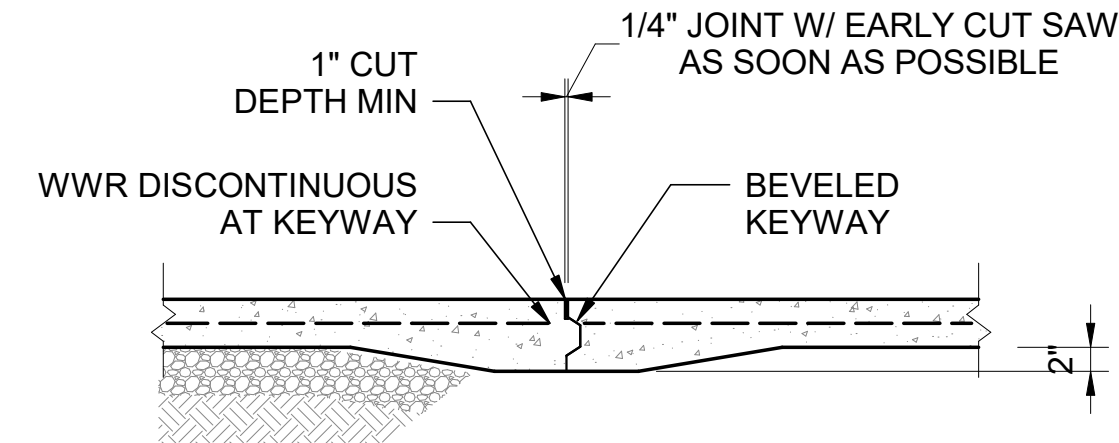
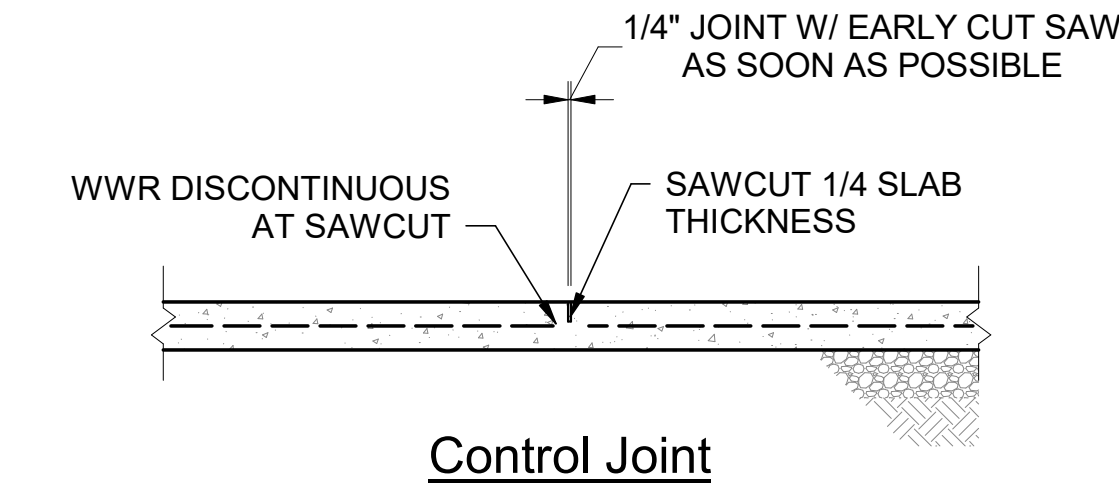


PROJ. MGR.: PJL
DRAWN: ELP
DATE: 10/24/2025
REVISIONS

JOB NO. 25-13

SHEET NO:

S1.7



- NOTES:
- CONTROL JOINT FILLER SEMI-RIGID EPOXY.
 - SAWCUT TO TAKE PLACE WITHIN 4-12 HOURS OF FINISHING CONCRETE: 4 HOURS IN HOT WEATHER, 12 HOURS IN COLD WEATHER.

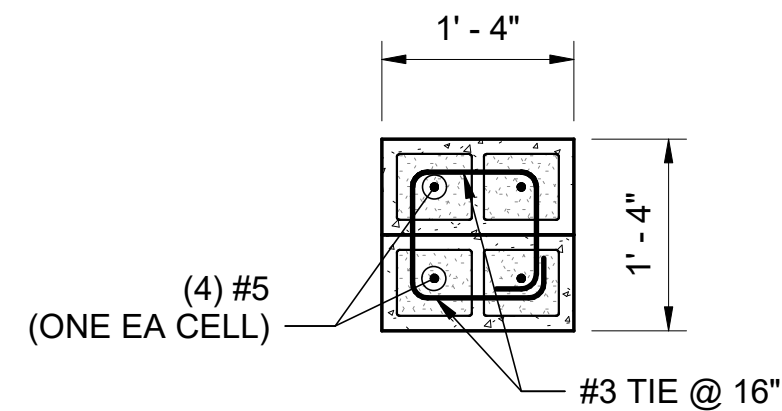
Slab Control Joint Details

JOINT TYPE IS OPTIONAL

Masonry Wall Schedule

WALL DESIGNATION	A	B	C
SIZE	12" CMU	12" CMU	8" CMU
WALL REINFORCING	#5 @ 8"	#5 @ 16"	#5 @ 16"
NOTES	3	---	---

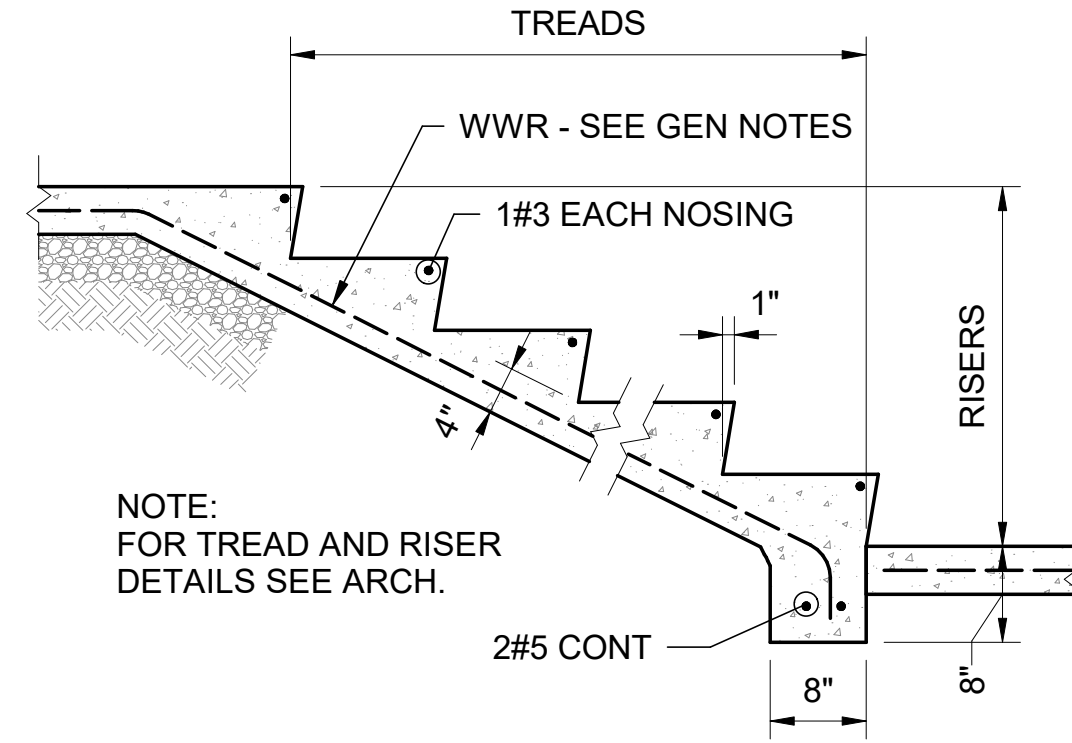
- NOTES:
- ALL MASONRY WALLS SHALL BE REINFORCED WITH #5@48" REGARDLESS OF SIZE, UNLESS NOTED ON PLANS BY WALL TAG.
 - SEE TYPICAL DETAILS FOR TYPICAL CONSTRUCTION OF MASONRY WALLS.
 - PROVIDE #6 HORIZONTAL BARS @ 32" VERTICAL SPACING AT NOTED WALLS.



MASONRY PILASTER - MP1
16"x16" PILASTER

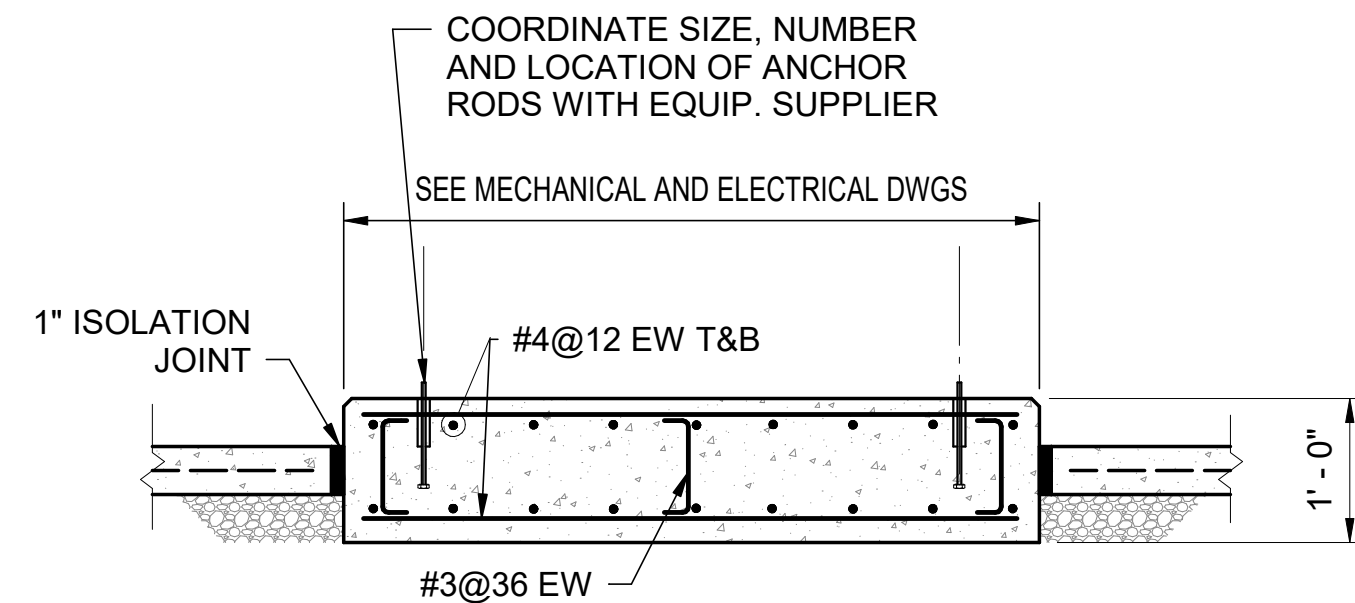
Masonry Pilaster Details

- DIMENSIONS SHOWN ARE NOMINAL.
- GROUT ALL CELLS WITH VERT REINF.
- TIES ARE SET IN MORTAR JOINTS.
- ALL MASONRY IS RUNNING BOND.
- REFER TO ARCH DRAWINGS FOR ROUNDED CORNERS AND FINISH OF MASONRY BLOCKS.

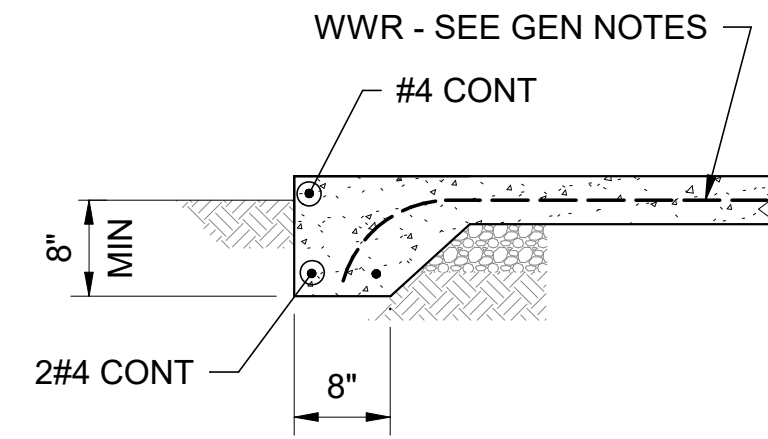


NOTE:
FOR TREAD AND RISER
DETAILS SEE ARCH.

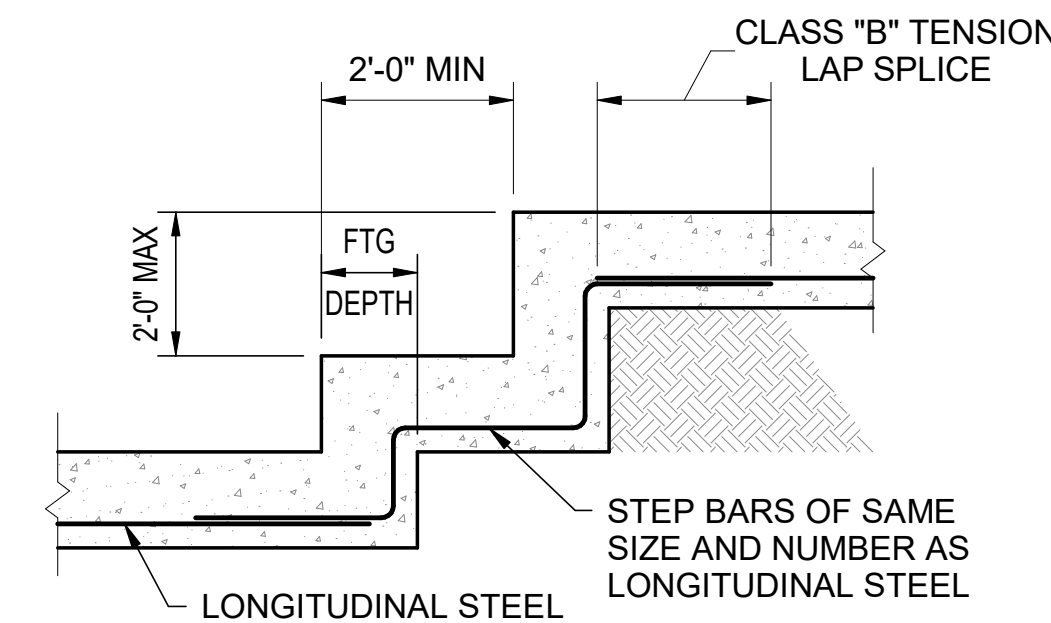
Stair on Grade Detail



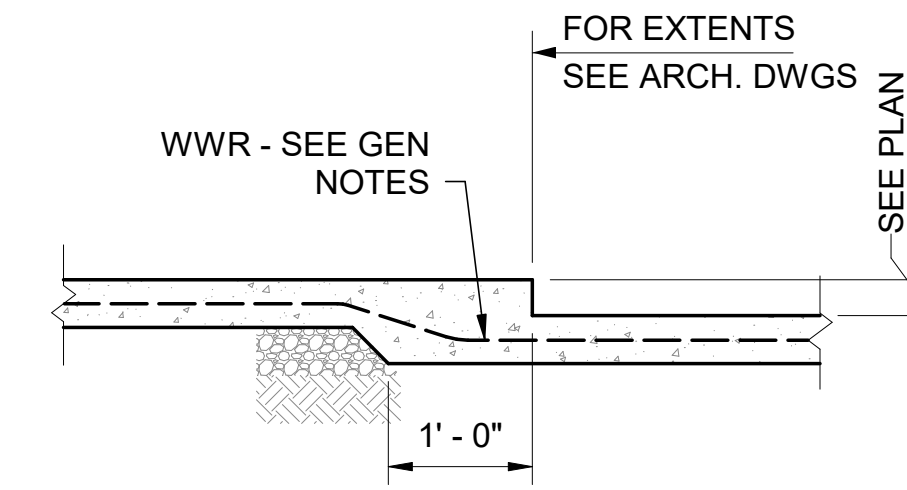
Equipment Pad Foundation Detail



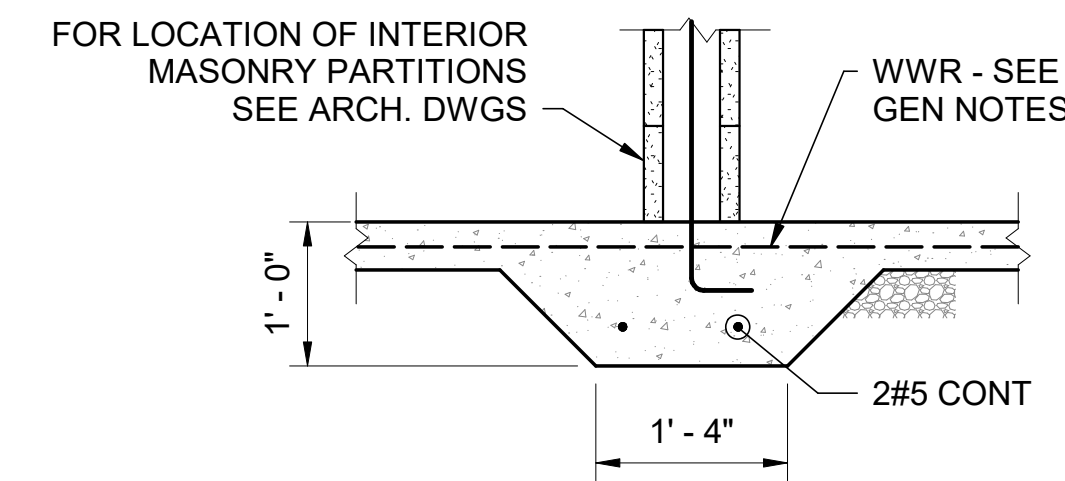
Thickened Slab Edge Detail



Footing Step Detail

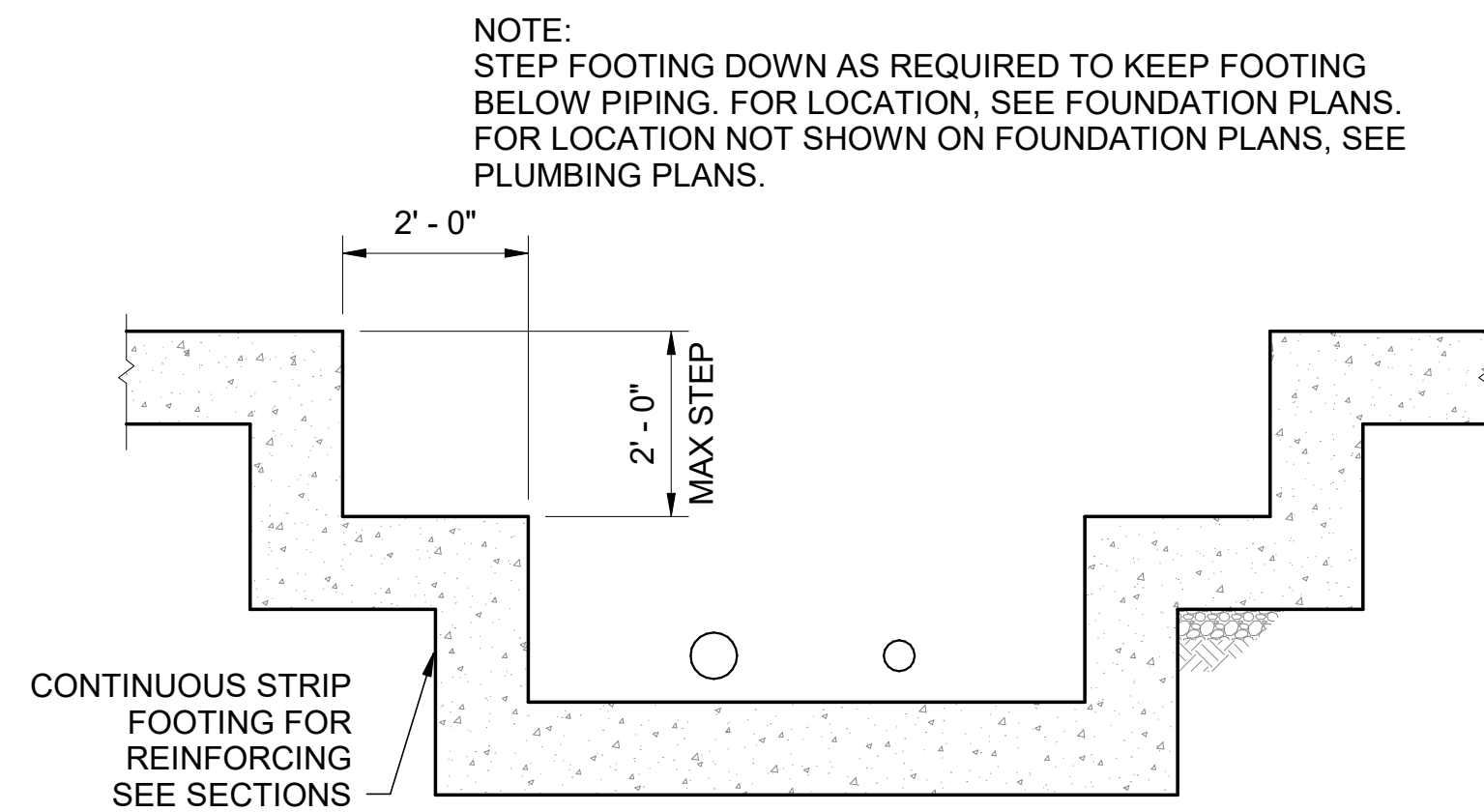


Depressed Slab on Grade Detail

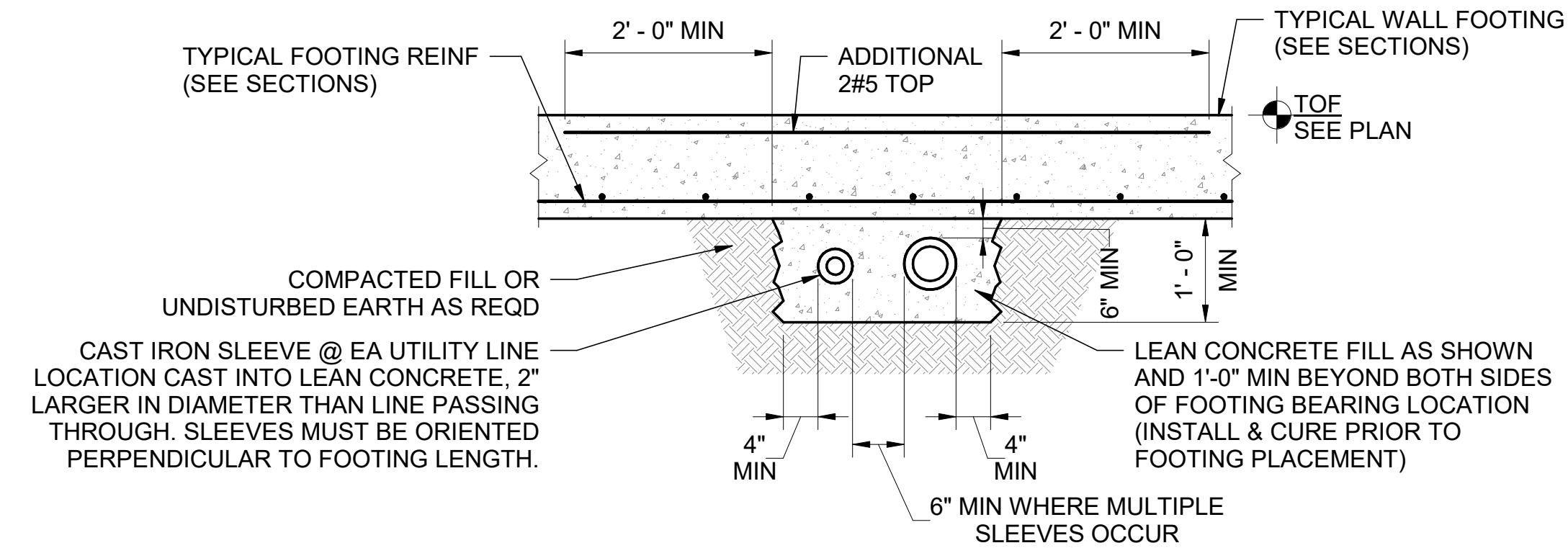


Typical Thickened Slab Detail

PROVIDE THICKENED SLAB AT ALL MASONRY WALLS THICKER THAN 4" THAT DO NOT HAVE A FOOTING

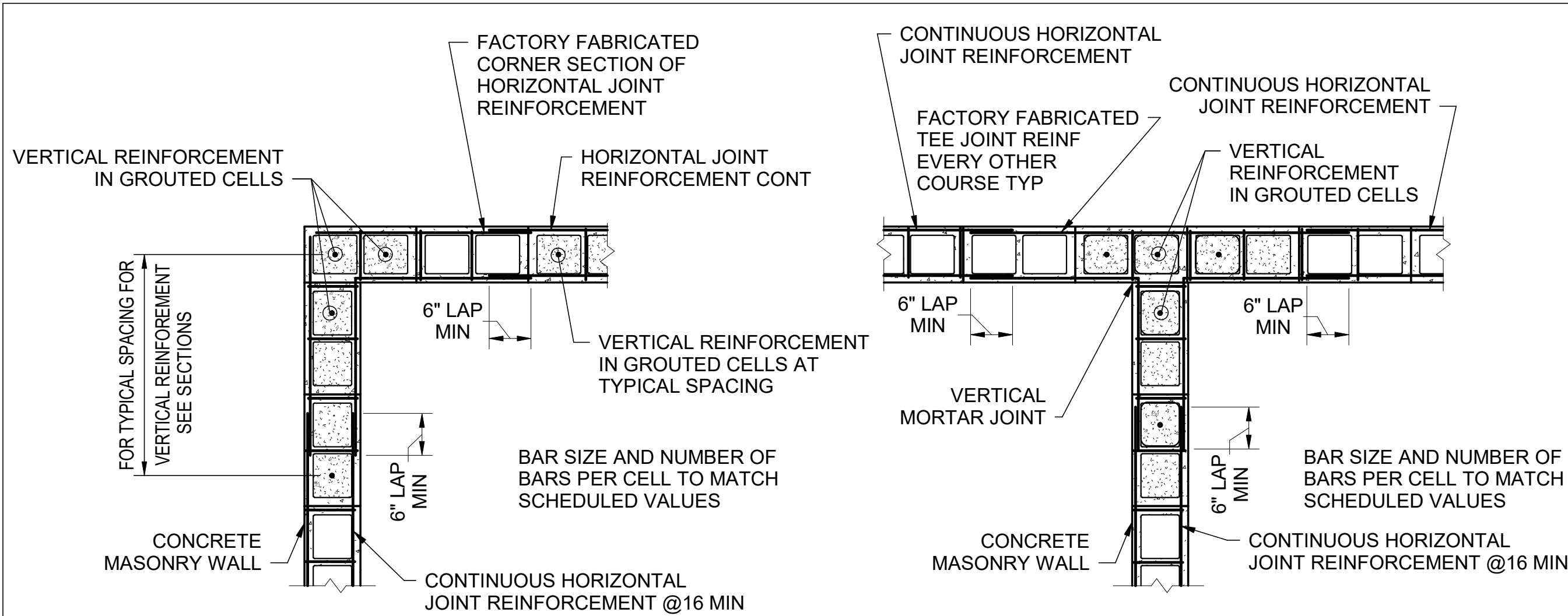


Foundation Wall at Piping



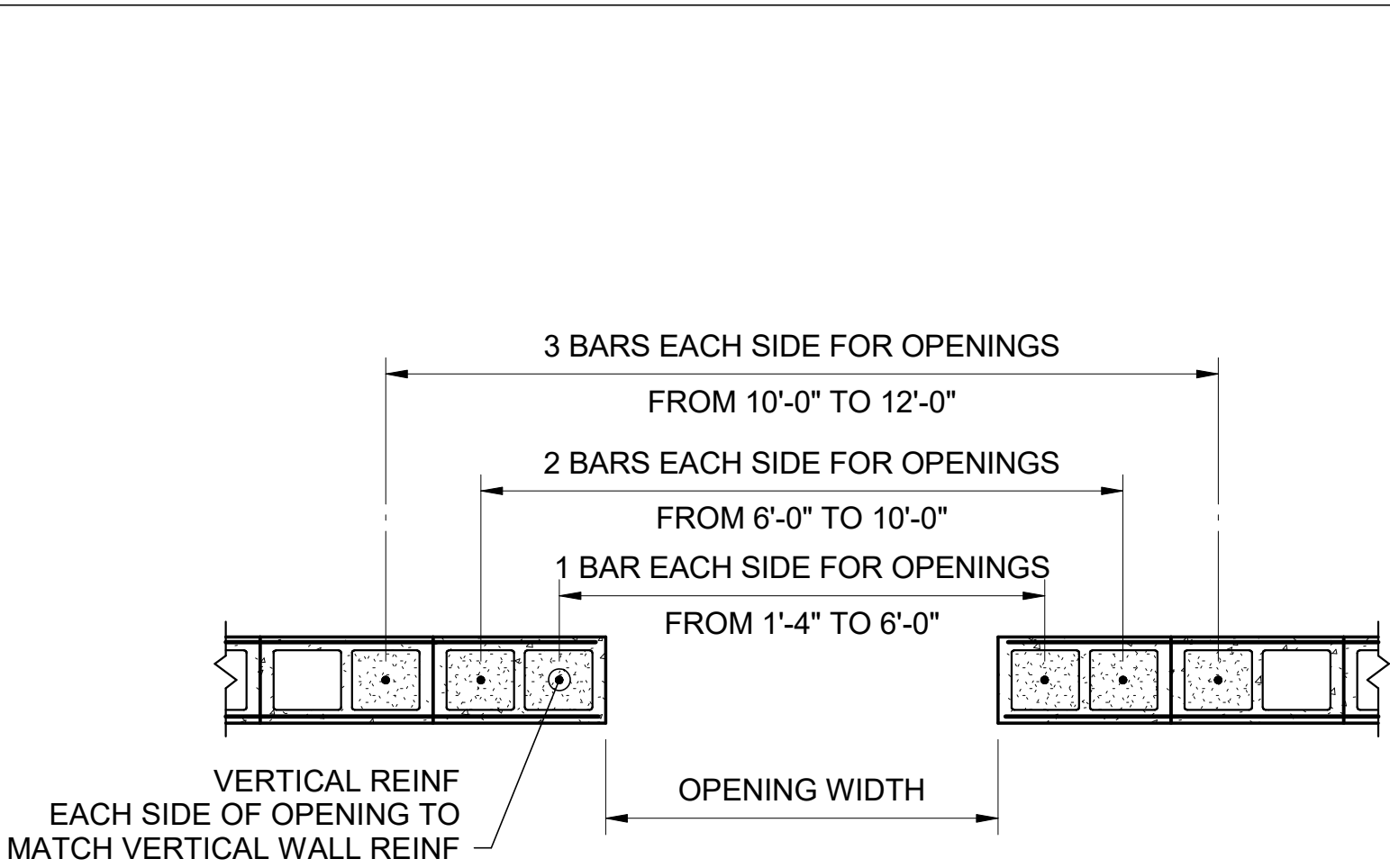
Typical Detail for Utilities Passing Below Wall Footings

- CONTRACTOR'S OPTION TO STEP FOOTINGS BELOW UTILITIES IN LIEU OF THIS DETAIL.
- COORDINATE UTILITY LOCATIONS W/ CIVIL, MECHANICAL, PLUMBING, & ELECTRICAL DRAWINGS.
- UTILITIES SHALL NOT PASS BELOW COLUMN FOOTINGS.



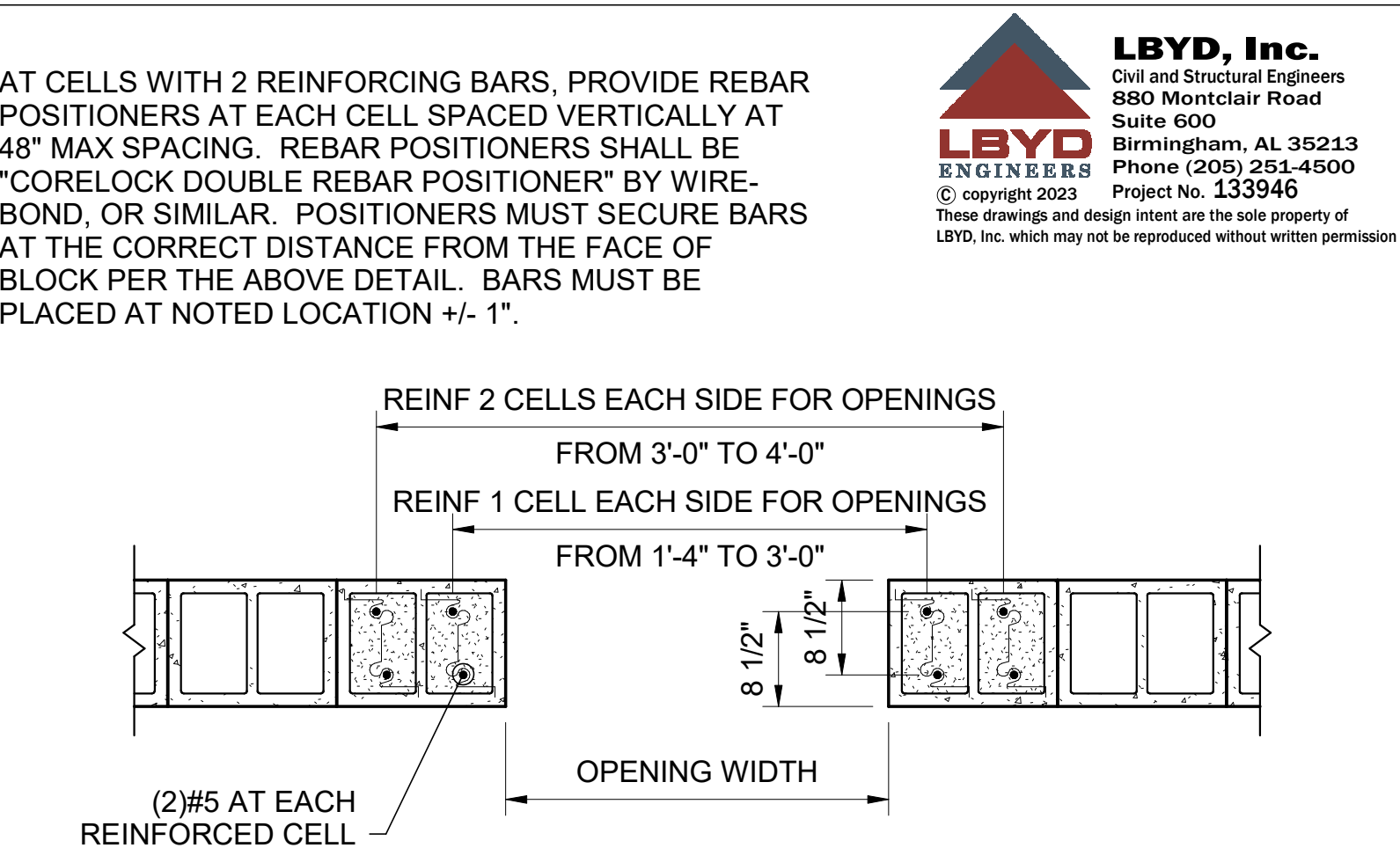
Plan Showing Joint Reinforcement at Wall Corner

Plan Showing Joint Reinforcement at Structural Wall Intersection



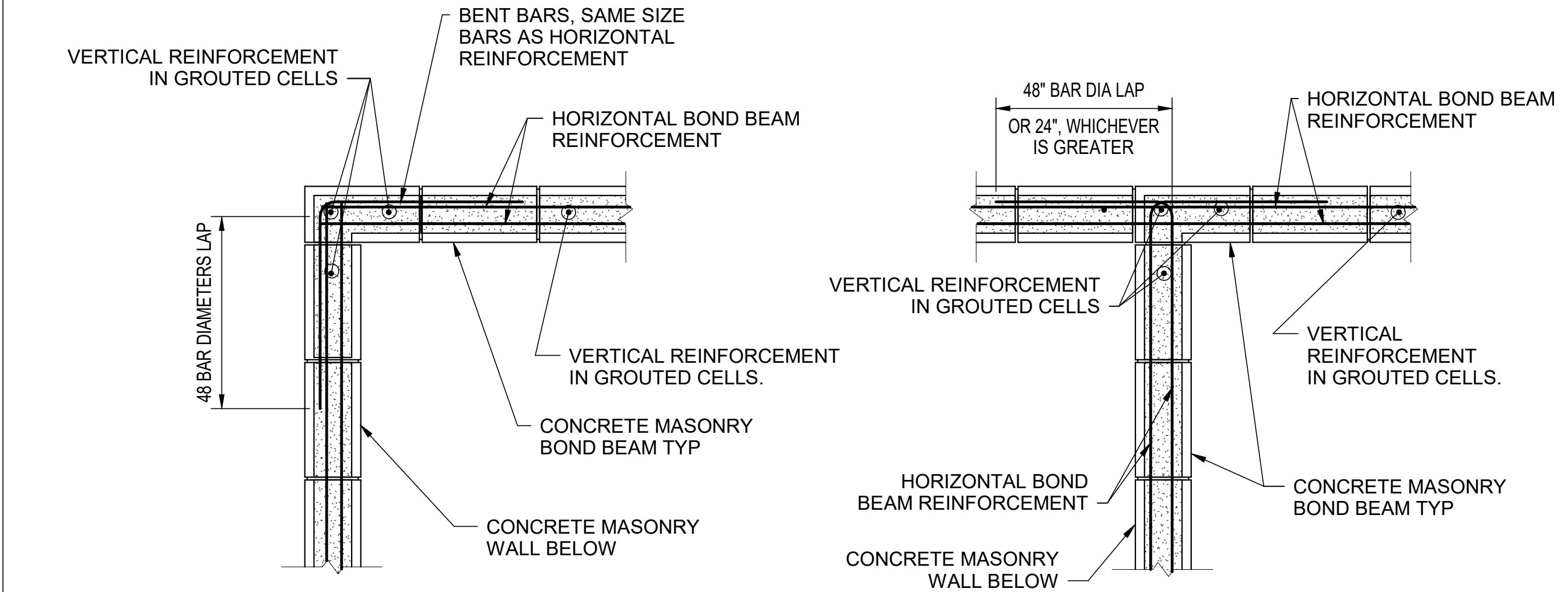
8" CMU Wall Opening Detail

THIS DETAIL APPLIES UNLESS NOTED OTHERWISE



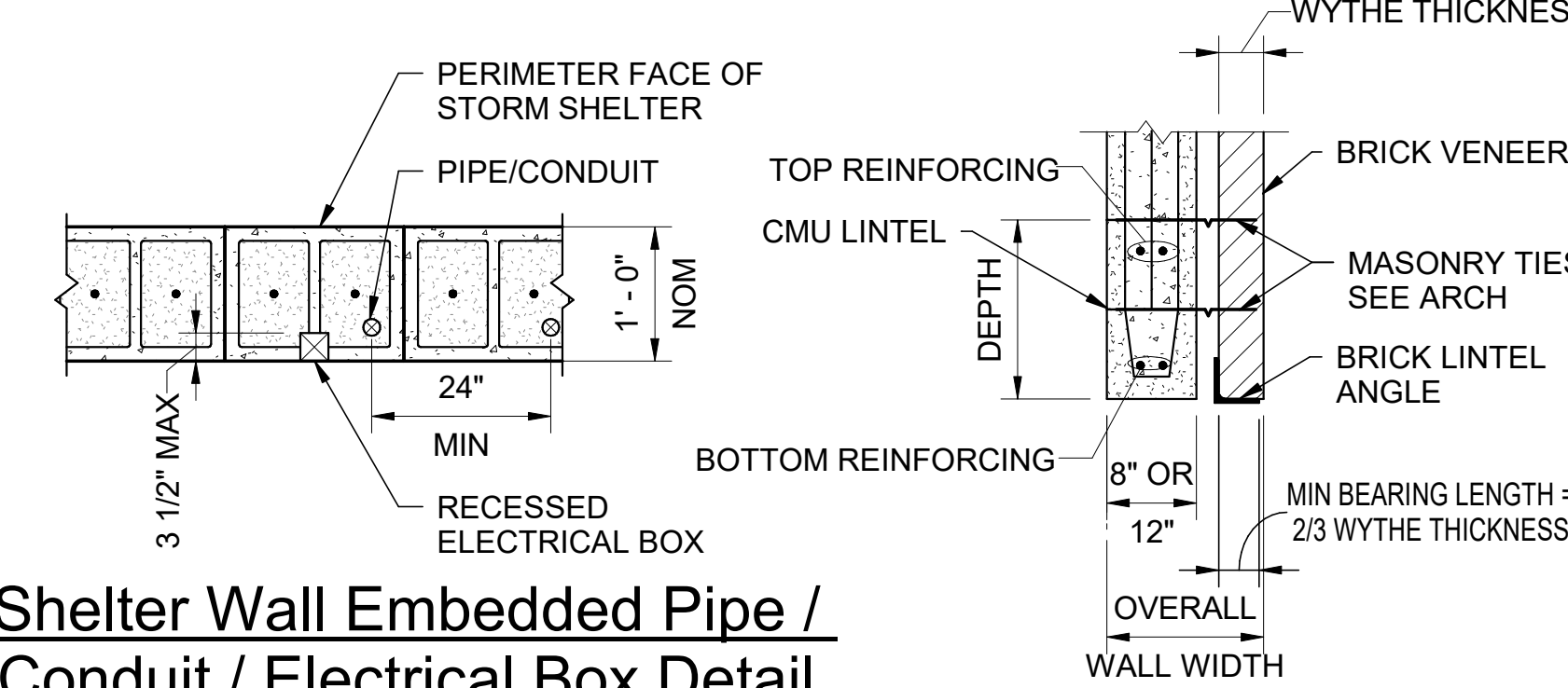
12" CMU Wall Opening Detail

THIS DETAIL APPLIES UNLESS NOTED OTHERWISE



Plan Showing Bond Beam Reinforcement at Wall Corner

Plan Showing Bond Beam Reinforcement at Structural Wall Intersection



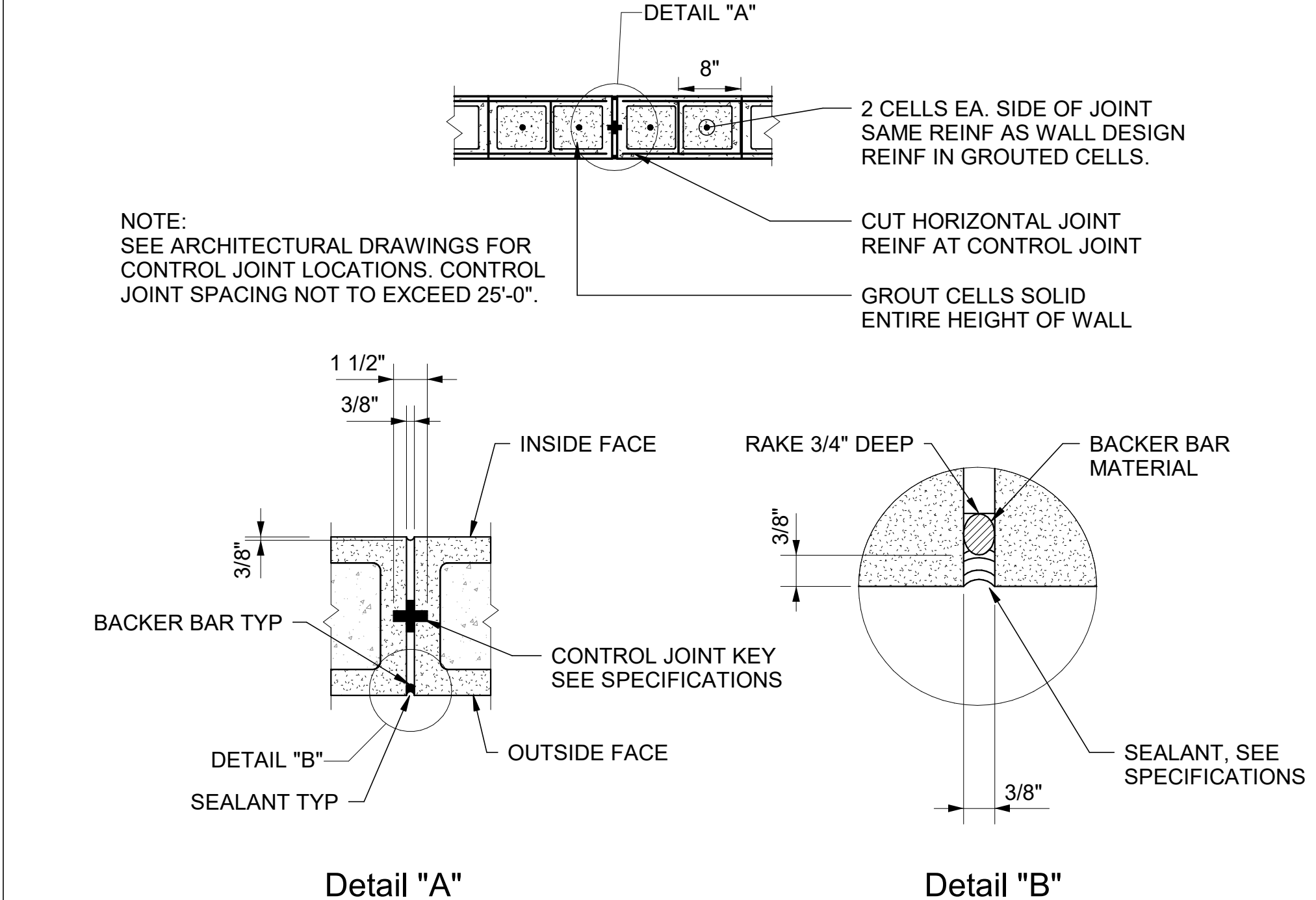
Shelter Wall Embedded Pipe / Conduit / Electrical Box Detail

- NOTES:
1. CONDUIT IS NOT TO DISPLACE VERTICAL REINFORCING BARS.
 2. NO MORE THAN ONE VERTICAL CONDUIT IS ALLOWED PER CELL.
 3. RECESSED BOXES MUST OCCUR AT MIDPOINT BETWEEN CELLS.
 4. RECESSED BOXES CANNOT BE PLACED AT OPPOSITE SIDES OF WALL UNLESS SPACED AT LEAST 24 INCHES APART.
 5. MINIMUM SPACING OF VERTICAL CONDUIT SHALL BE 24 INCHES.
 6. MAXIMUM CONDUIT/PIPE SIZE SHALL BE 2 INCHES IN DIAMETER INCLUDING INSULATION.
 7. NO OTHER EMBEDDED ITEMS ALLOWED IN WALL WITHOUT PRIOR WRITTEN APPROVAL OF STRUCTURAL ENGINEER.

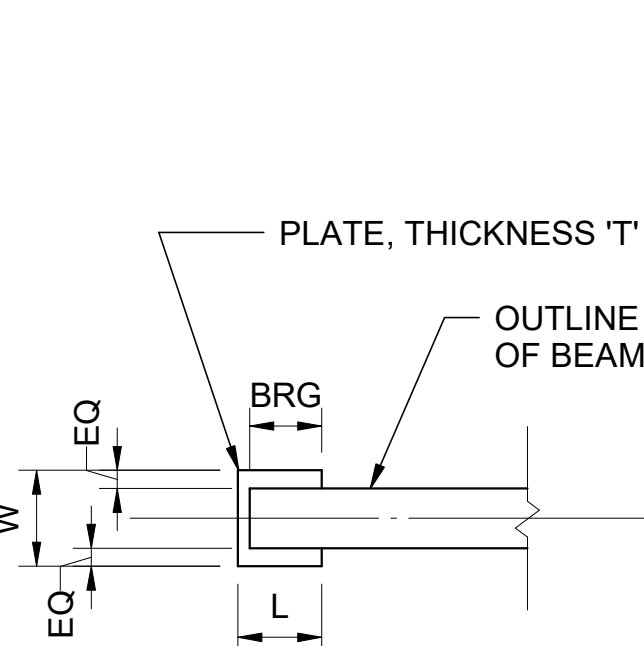
MAXIMUM OPENING WIDTH	BRICK LINTEL ANGLE	CMU LINTEL DIMENSIONS AND REINFORCING		
		DEPTH	8" WALL	12" WALL
3'-4"	L3 1/2x3 1/2x3/8	16	2#5 BOT	2#5 BOT
6'-4"	L6x3 1/2x3/8	16	2#5 BOT & 2#5 TOP	2#5 BOT & 2#5 TOP
8'-0"	L7x4x3/8	24	2#5 BOT & 2#5 TOP	2#5 BOT & 2#5 TOP
10'-4"	L7x4x3/8	32	2#5 BOT & 2#5 TOP	2#5 BOT & 2#5 TOP

1. PROVIDE MASONRY LINTELS AT OPENINGS PER THIS SCHEDULE UNLESS NOTED OTHERWISE ON PLAN OR IN SECTION.
2. PROVIDE 8" MINIMUM BEARING FOR 16" DEEP LINTELS. PROVIDE 24" MINIMUM BEARING FOR DEEPER LINTELS.
3. SHORE LINTEL UNTIL MORTAR AND GROUT HAVE SET AND CURED.
4. IF MASONRY WALL OPENING EXCEEDS MAXIMUM WIDTHS NOTED ABOVE, ASSUME 72" DEEP MASONRY LINTEL REINFORCED WITH 2#7 TOP AND BOTTOM AND CONTACT STRUCTURAL ENGINEER FOR VERIFICATION.
5. IF BRICK OPENING EXCEEDS MAXIMUM WIDTHS NOTED ABOVE, ASSUME L7x4x3/8 LINTEL AND CONTACT STRUCTURAL ENGINEER FOR VERIFICATION.
6. PROVIDE ADDITIONAL L4x3x1/4 ANGLE (LLH) ANGLE W/ LINTEL ANGLE TO COVER GAP BETWEEN BRICK AND CMU WALL AS REQD. WELD ANGLES B-TO-B W/ 3/16"x2" LONG WELDS AT 16"

Masonry Lintel Detail and Schedule

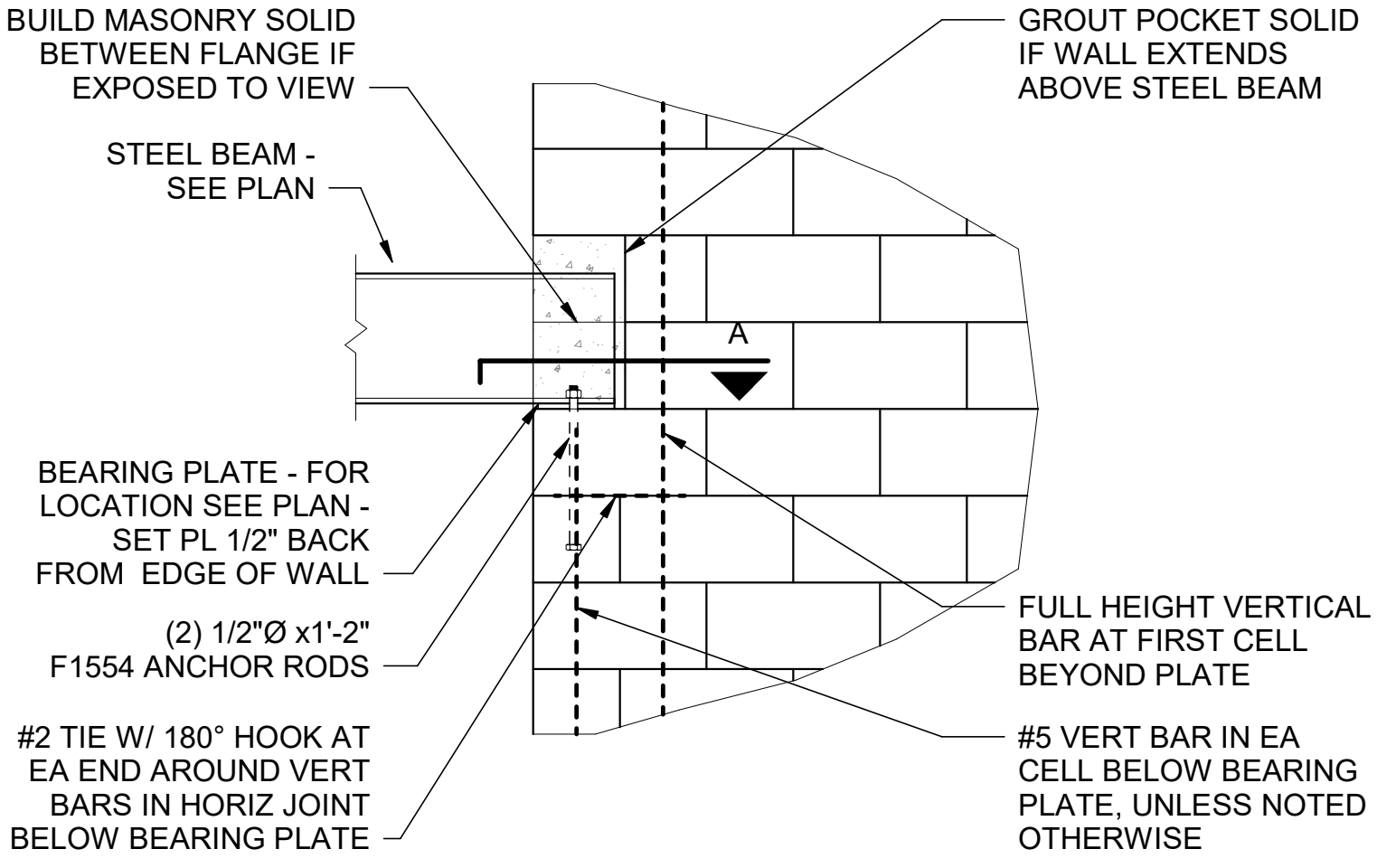


Masonry Control Joint

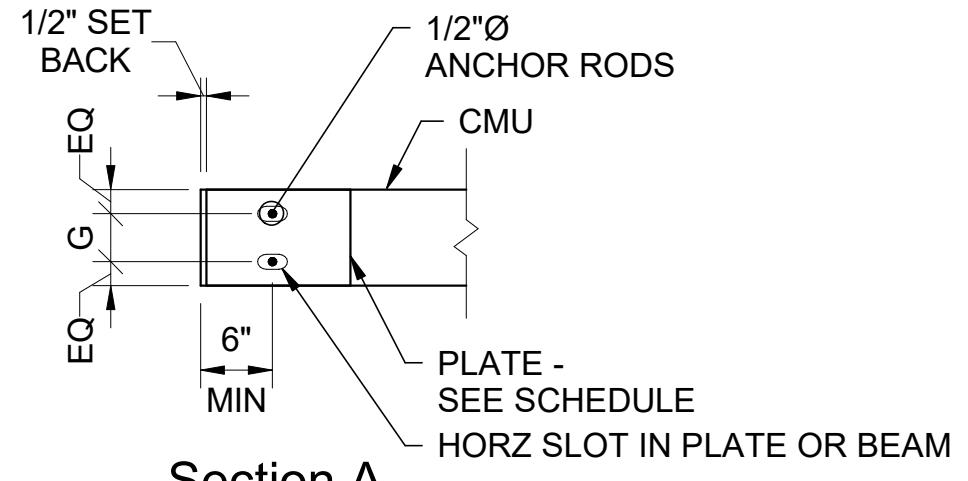


Mark	W	L	T	BRG
BP1	7 1/2"	7"	1/2"	6"

1. ALL BEAM BEARING PLATES NOT SPECIFICALLY LABELED ON PLAN OR IN SECTIONS SHALL BE TYPE BP1

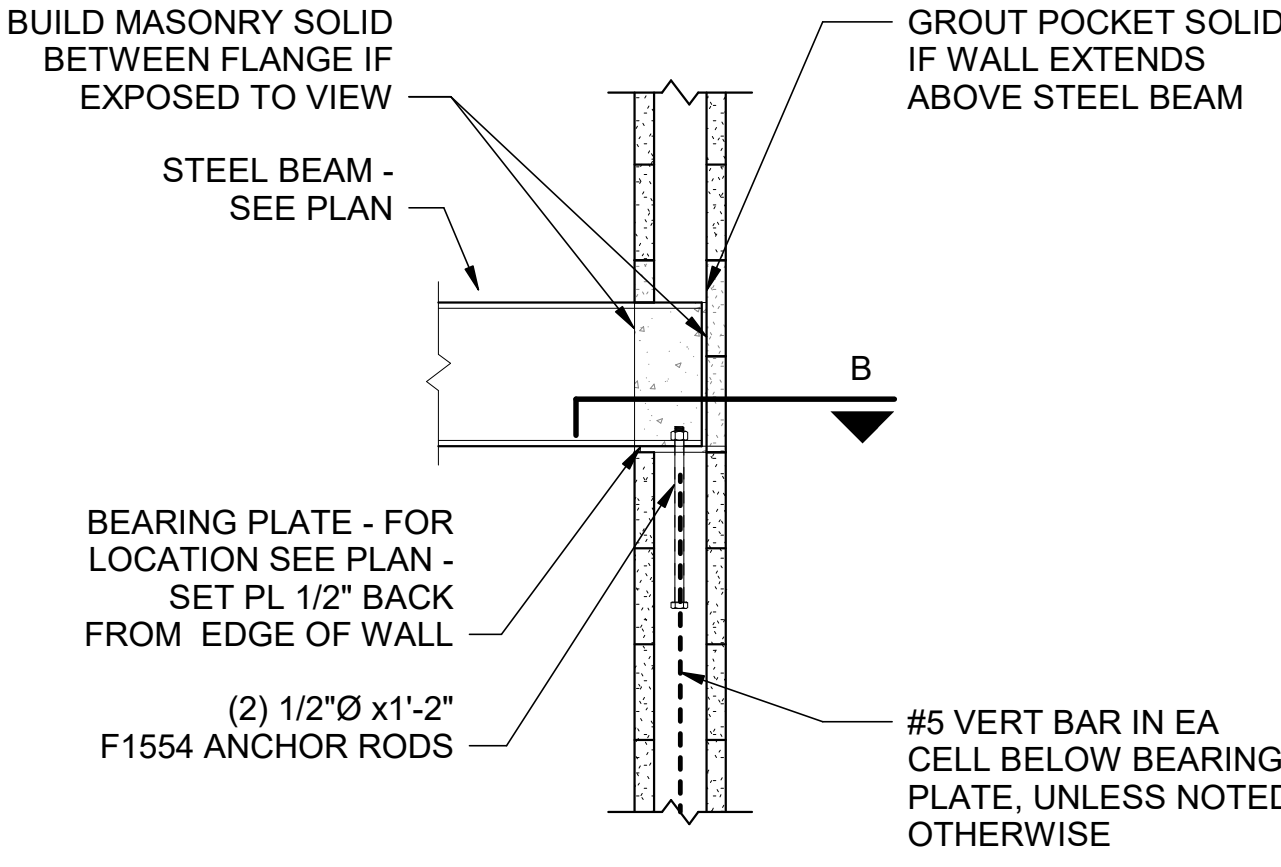


Beam Bearing Perp to Wall

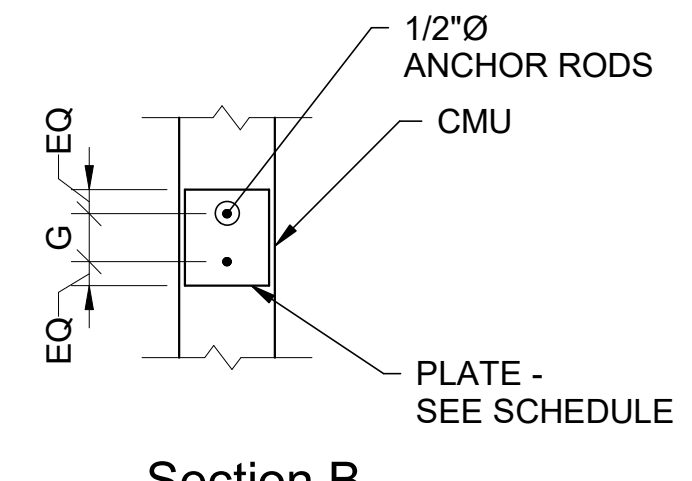


Section A

G: 1/2 x BEAM FLANGE WIDTH

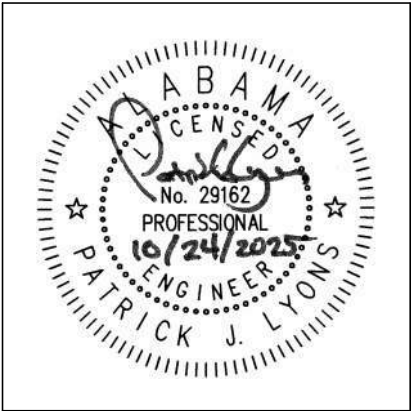


Beam Bearing Parallel to Wall



Section B

G: 1/2 x BEAM FLANGE WIDTH



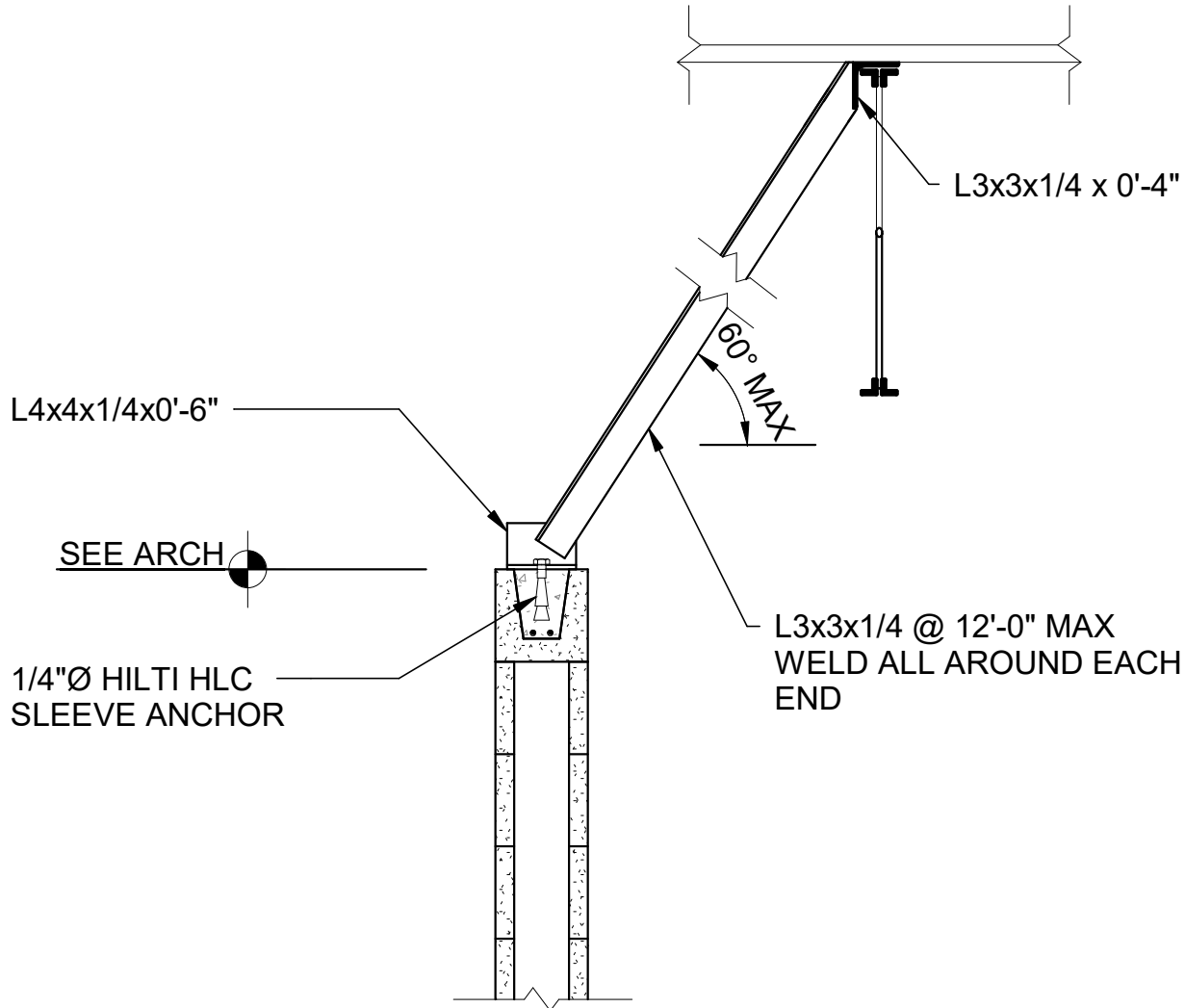
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DRAWN:	ELP
DATE:	10/24/2025
REVISIONS	

JOB NO. 25-13

SHEET NO:

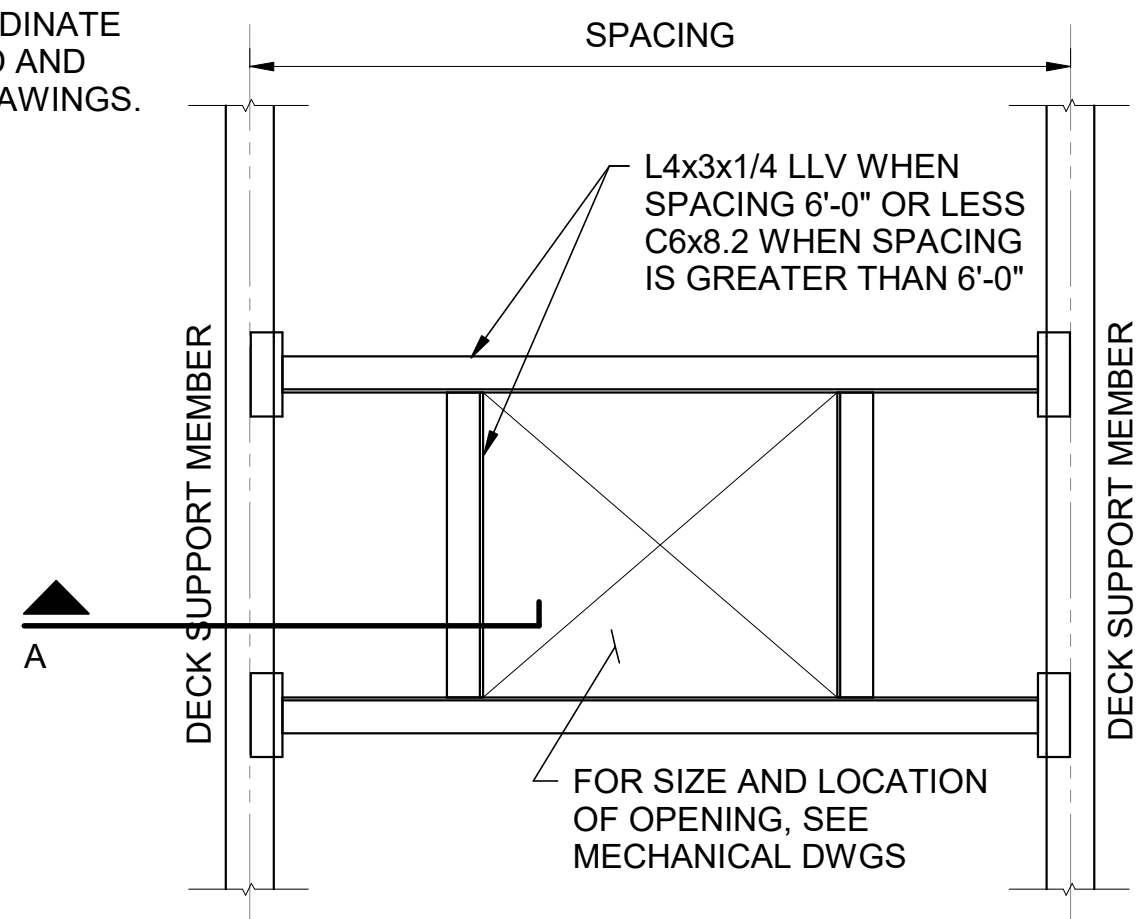
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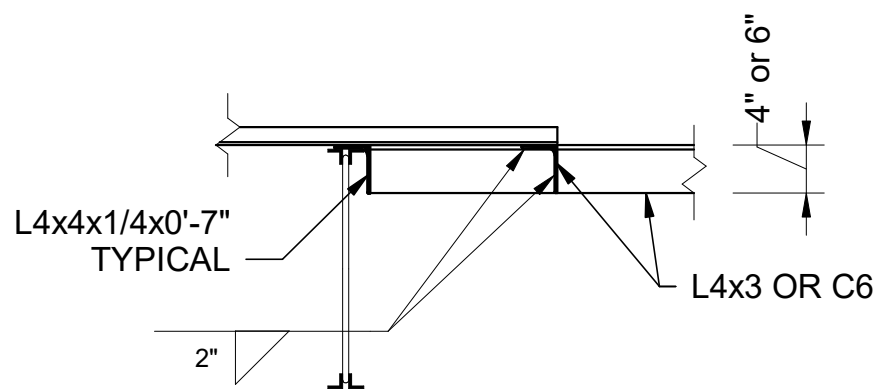


Interior Masonry Wall Bracing Details

BRACE IS REQUIRED AT TOP OF INTERIOR NON-BEARING MASONRY WALLS THAT RUN 20'-0" WITHOUT INTERSECTING A PERPENDICULAR MASONRY WALL THAT IS TIED TO THE WALL WITH TEE JOINT REINFORCING EVERY OTHER COURSE.



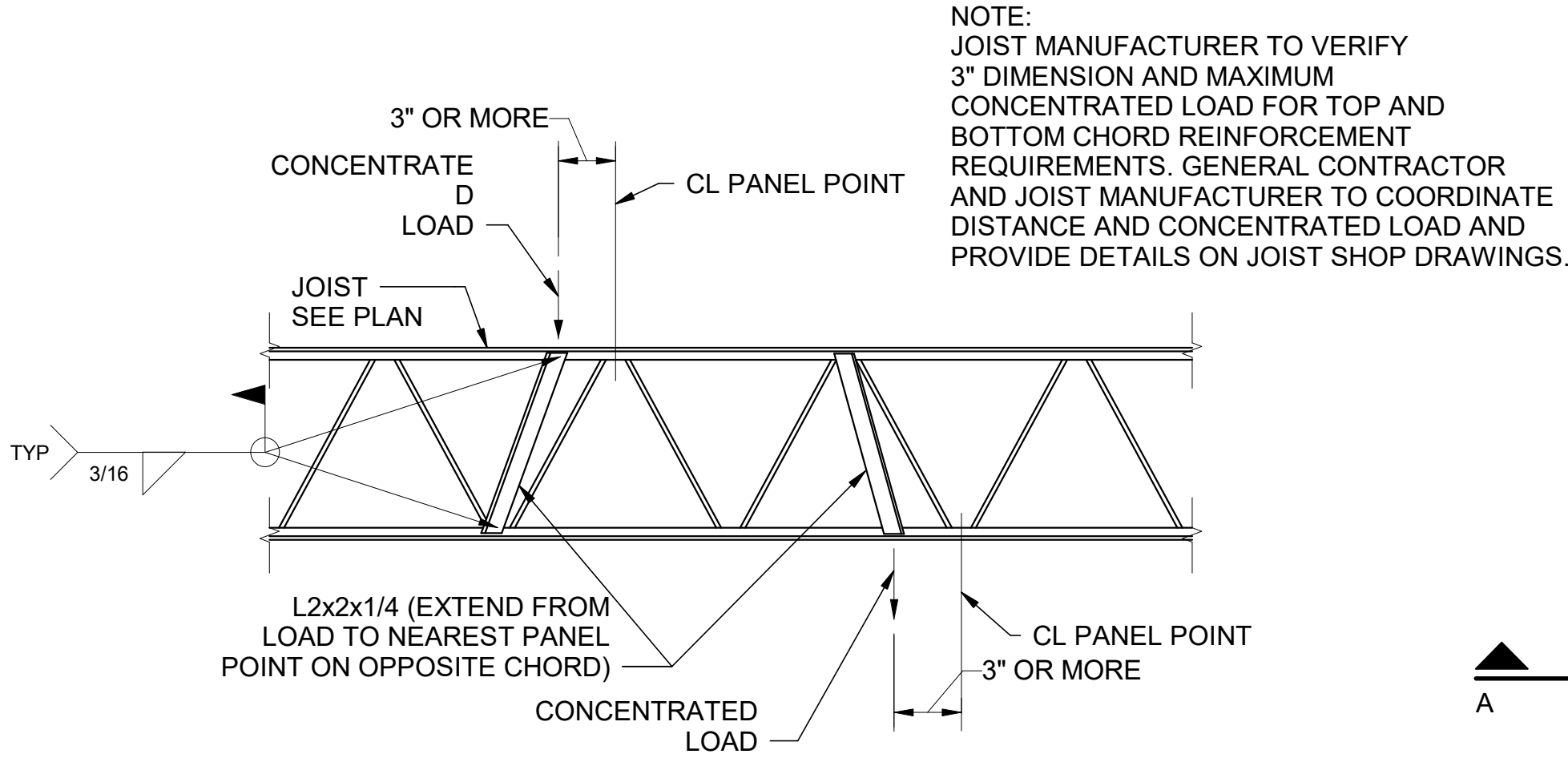
Plan



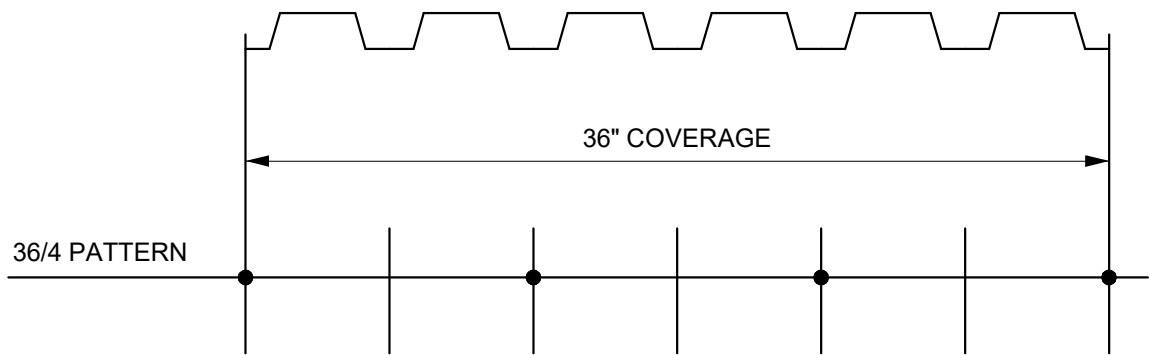
Section A

Roof Opening Frame Detail

AT ALL OPENINGS IN ROOF LARGER THAN 8"

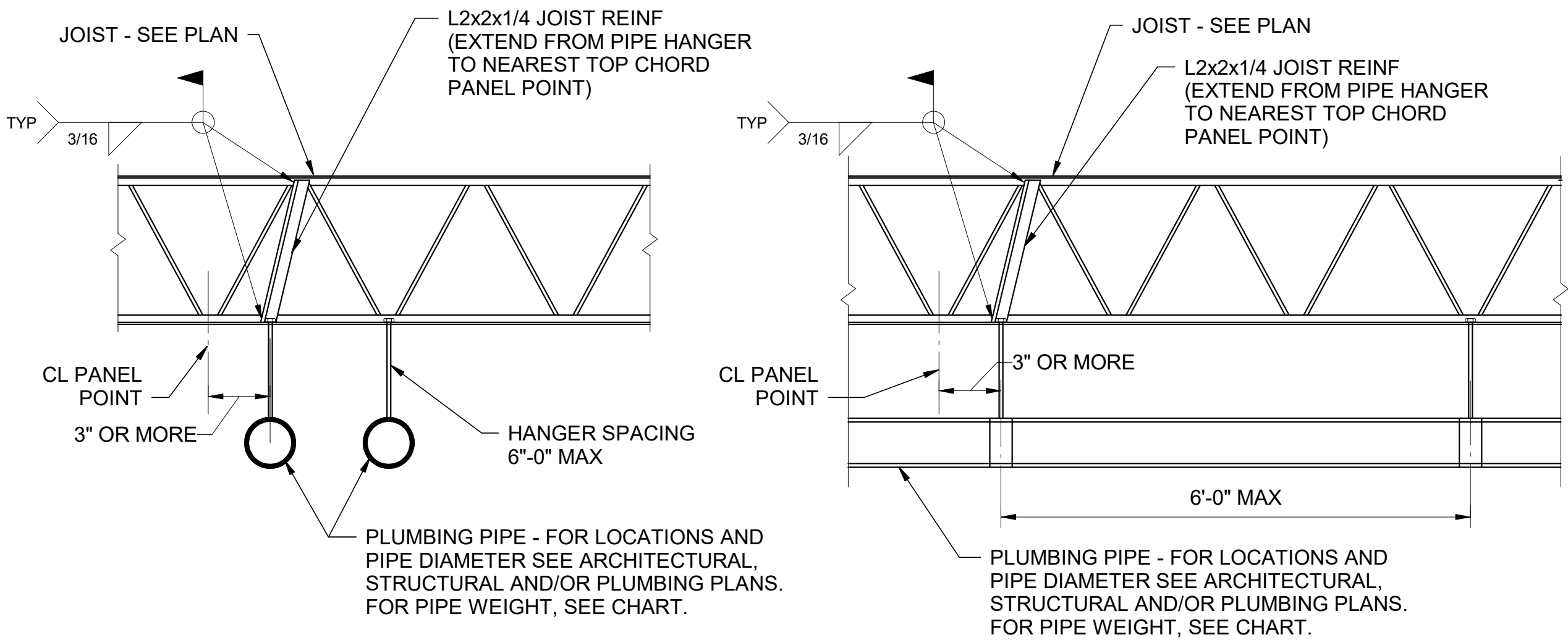


Joist Reinforcement Detail



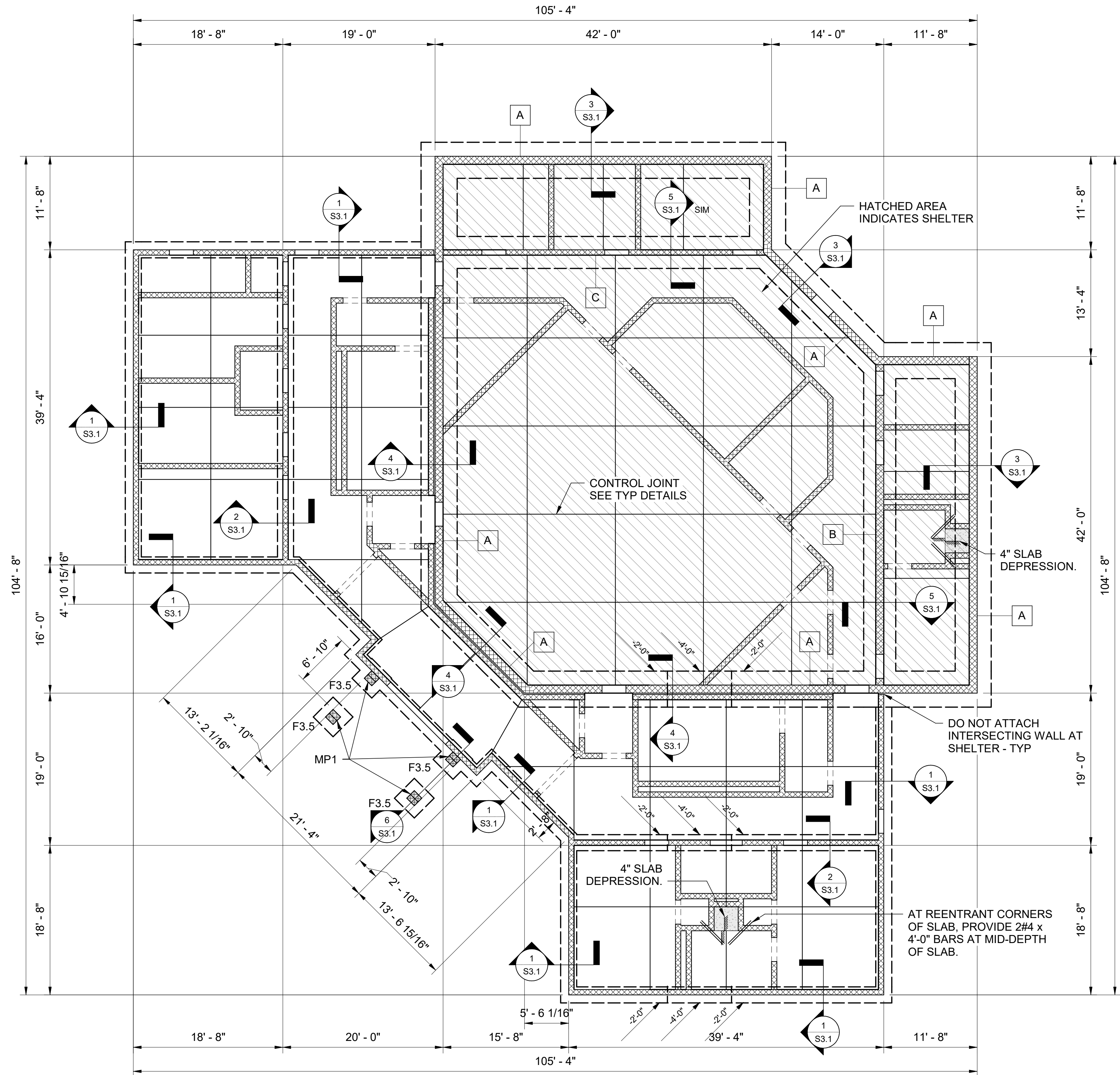
Attachment Pattern Layouts

DECK ATTACHMENT:
AT NON-SHELTER AREAS:
5/8"Ø PUDDLE WELDS W/ (4)#10 SCREW SIDE LAPS PER SPAN
AT SHELTER AREAS:
SEE GENERAL NOTES



NOMINAL PIPE Ø (IN)	WEIGHT OF PIPE&WATER(pl)
4	17.9
5	25.5
6	34.7
8	55.3
10	82.1

Joist Reinforcement Pipe Hanger Detail



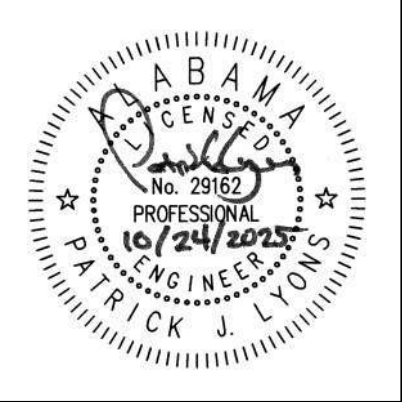
- FOUNDATION NOTES**
1. FINISH FLOOR (TOP OF SLAB) ELEVATION: 0' - 0", UNLESS NOTED.
 2. TOP OF FOOTING: -2' - 0" BELOW FINISHED FLOOR OR -1' - 0" BELOW FINISH GRADE,WHICHEVER IS LOWER, UNLESS NOTED.
 3. FOR SLAB ON GRADE CONSTRUCTION, SEE GENERAL NOTES AND TYPICAL DETAILS.
 4. FOR SLAB RECESS AND RAMP LOCATIONS, SEE ARCHITECTURAL DRAWINGS.
 5. FOOTING STEP ELEVATIONS AND LOCATIONS ARE APPROXIMATE. GENERAL CONTRACTOR SHALL COORDINATE ALL FOOTING STEPS WITH CIVIL, PLUMBING, AND UTILITY DRAWINGS.
 6. ALL MASONRY WALLS SHALL BE REINFORCED WITH #5@48 VERTICAL BARS UNLESS TAGGED OTHERWISE ON PLANS. SEE MASONRY WALL SCHEDULE FOR TAGGED WALL REINFORCING. SEE GENERAL NOTES AND TYPICAL DETAILS FOR ADDITIONAL REINFORCING REQUIREMENTS.
 7. ALL MASONRY WALLS THICKER THAN 4" MUST BE SUPPORTED ON EITHER A FOOTING OR A THICKENED SLAB. WALL FOOTINGS ARE SHOWN ON THIS PLAN. THICKENED SLABS SUPPORTING MASONRY WALLS ARE NOT SHOWN ON THIS PLAN. REFER TO TYPICAL DETAILS FOR THICKENED SLAB DIMENSIONS AND REINFORCING.
 8. MASONRY WALL DIMENSIONS AND LOCATIONS SHOWN ARE APPROXIMATE. SEE ARCH. DWGS FOR DIMENSIONS AND LAYOUT OF MASONRY WALLS.



Foundation Plan
1/8" = 1'-0"

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RUSSELL COUNTY COMMISSION

SHEET TITLE:
FOUNDATION PLAN



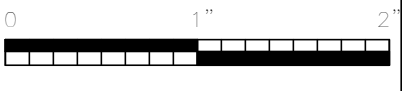
PROJ. MGR.: PJL
DRAWN: ELP
DATE: 10/24/2025
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JOB NO. 25-13

SHEET NO:

S2.1

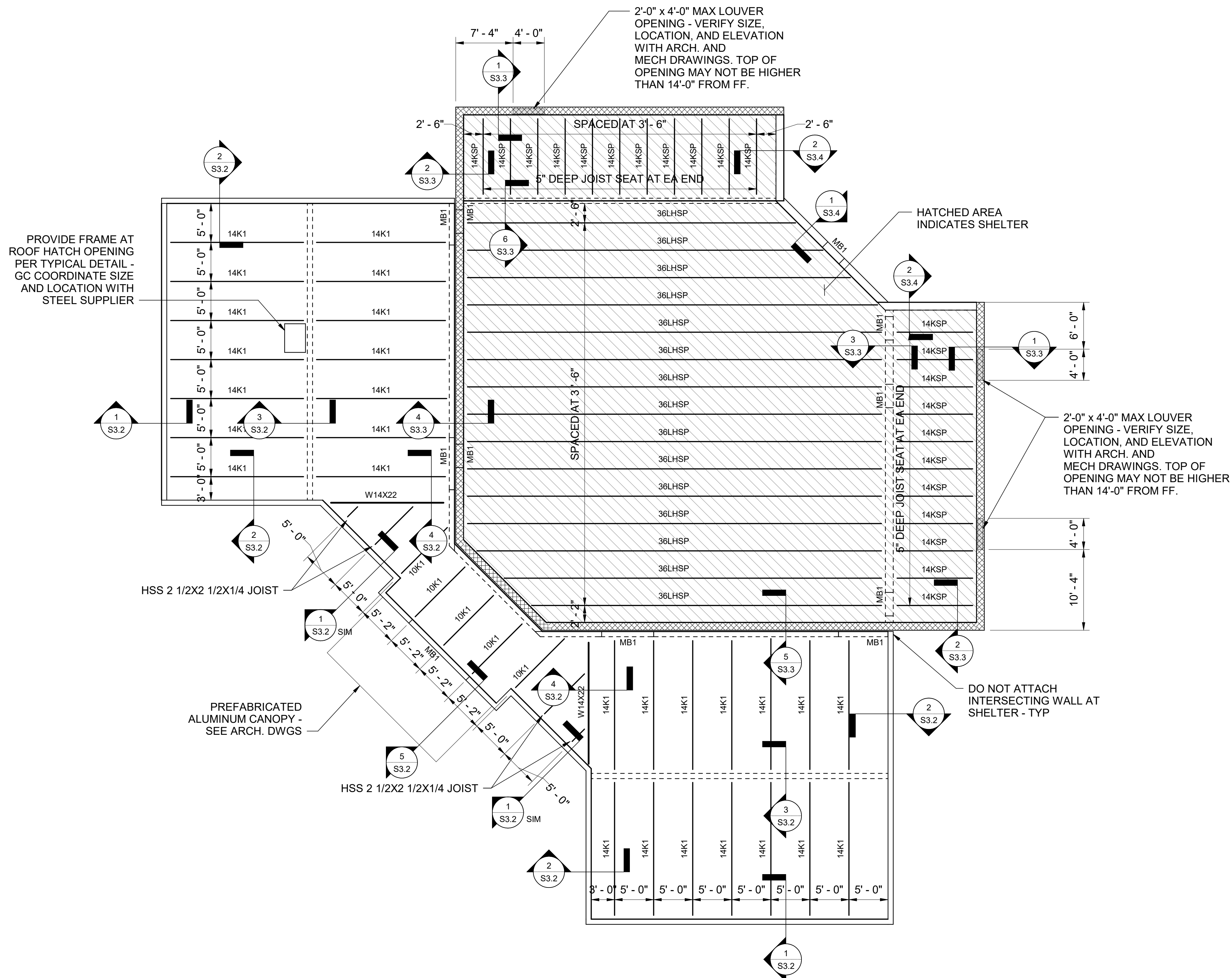
11 OF 16





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DATE:	10/24/2025
REVISIONS	

JOB NO.	25-13
SHEET NO:	S2.2
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NOTES ON PENETRATIONS THROUGH SHELTER PERIMETER WALLS AND ROOF:

1. ALL HOLES OR OPENINGS THROUGH THE SHELTER PERIMETER WALLS OR ROOF GREATER THAN 3.5 SQUARE INCHES OR 2-1/2"Ø MUST BE PROTECTED PER ICC 500-2020. HOLES THROUGH WALLS THAT OCCUR AT LEAST 1'-0" BELOW ADJACENT GRADE DO NOT REQUIRE PROTECTION.
2. SEE ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR LOCATIONS OF ALL SHELTER PENETRATIONS.
3. SEE PLUMBING DRAWINGS FOR FABRICATED STEEL BOX REQUIRED FOR PIPE PENETRATIONS EXCEEDING 2-1/2"Ø.
4. SEE MECHANICAL DRAWINGS FOR PROTECTION DEVICES REQUIRED FOR WALL AND ROOF OPENINGS. GC COORDINATE WITH OPENING DEVICE SUPPLIER FOR REQUIRED STEEL AND ANCHORAGE.
5. ALL HOLES THROUGH SHELTER PERIMETER WALLS OR ROOFS FOR PIPES OR CONDUIT SHALL BE CORE DRILLED WITHOUT CUTTING THROUGH REINFORCING BARS. PROVIDE 2" MINIMUM CLEAR SPACING BETWEEN HOLES.
6. RATED OPENING PROTECTION ASSEMBLIES, SUCH AS DOORS AND LOUVERS, MUST BE INSTALLED AS SPECIFIED BY THE ASSEMBLY SUPPLIER. GENERAL CONTRACTOR TO COORDINATE WITH ASSEMBLY SUPPLIER FOR ANY ADDITIONAL STEEL OR ANCHORS THAT MUST BE PROVIDED FOR THE SPECIFIED ATTACHMENTS.

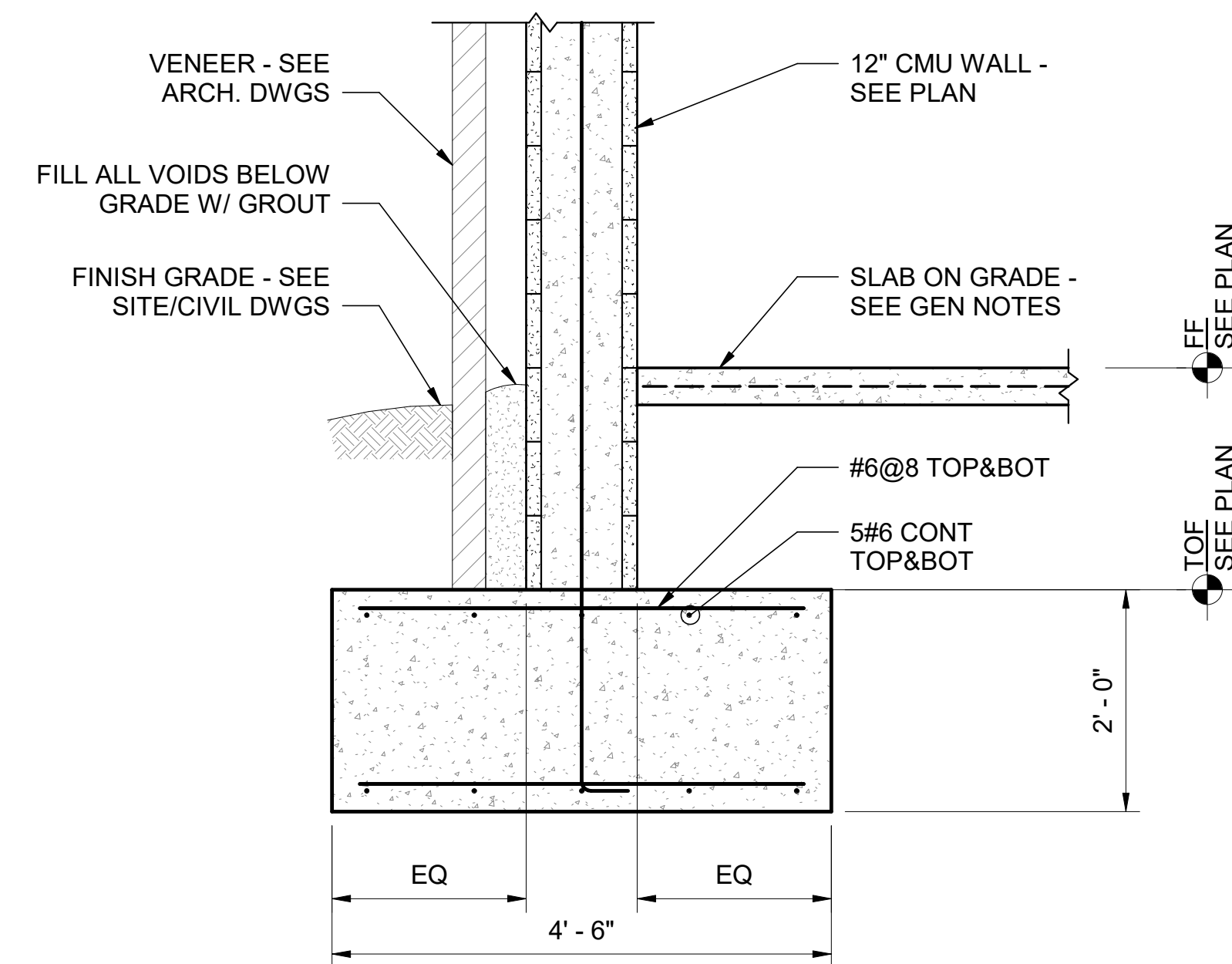


Roof Framing Plan

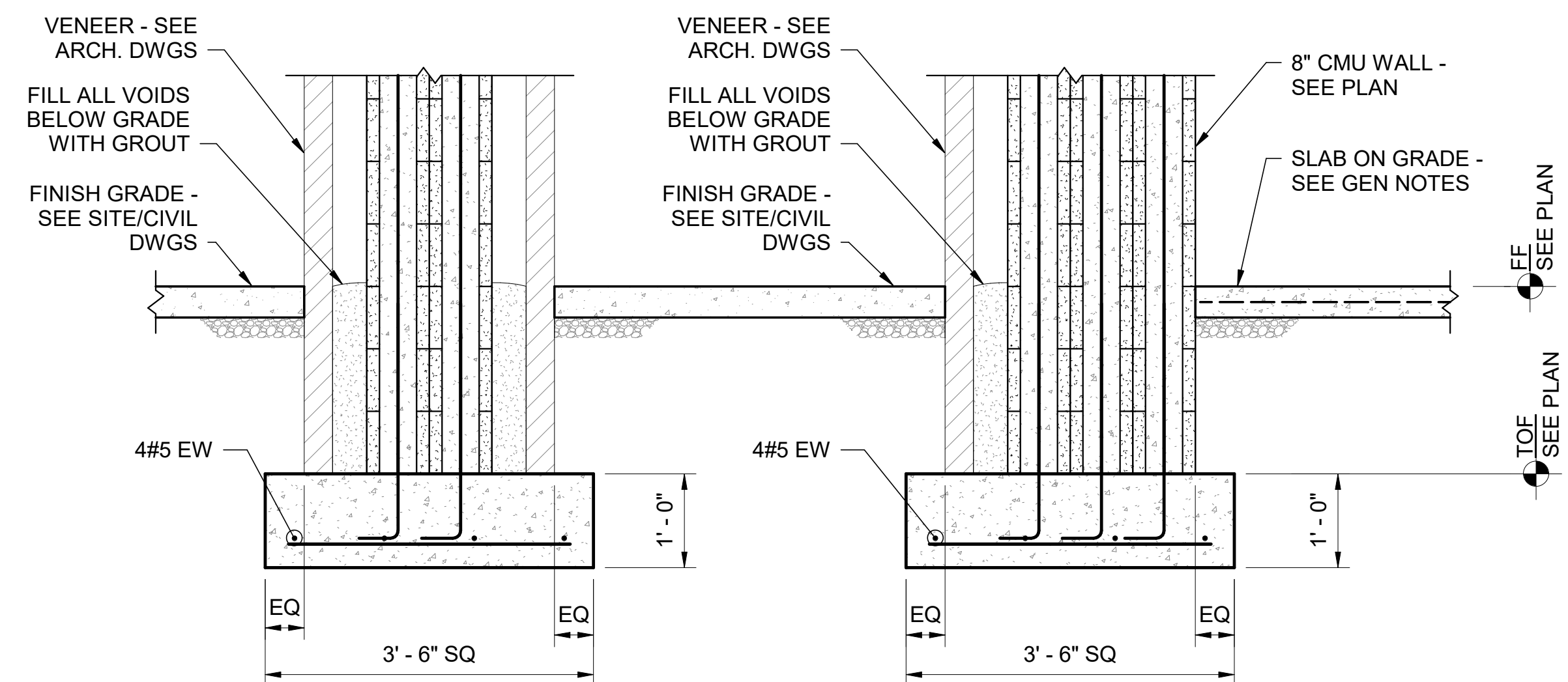
1/8" = 1'-0"

ROOF PLAN NOTES:

1. LOW ROOF CONSTRUCTION: 1 1/2" TYPE 'B', 22 GAGE ROOF DECK ON STEEL JOISTS AND BEAMS, SEE GENERAL NOTES.
2. SHELTER ROOF CONSTRUCTION: 4" THICK CONCRETE SLAB ON 1 1/2" DEEP COMPOSITE STEEL DECK (TOTAL THICKNESS = 5 1/2"). REINFORCE SLAB WITH #4@12 EACH WAY WITH TOP CLEAR COVER = 1 1/2" (± 1/4"). PROVIDE 3/4"Ø X 4" LONG HEADED STUDS AT EA JOIST SPACED AT 24". JOISTS ARE TO BE DESIGNED AS NON-COMPOSITE.
3. JOIST BEARING ELEVATION (JBRG) AT SHELTER: 16' - 0". UNLESS NOTED; AT LOW ROOF: 11' - 4". UNLESS NOTED
4. HANGER LOCATIONS FOR PIPING LARGER THAN 3 INCHES IN DIAMETER MUST BE COORDINATED BY THE GENERAL CONTRACTOR WITH THE JOIST MANUFACTURER. FOR WEIGHT OF PIPING AND ANY ADDITIONAL JOIST REINFORCING, SEE TYPICAL DETAIL.
5. ALL ROOF PENETRATIONS ARE NOT SHOWN. GC COORDINATE WITH MECHANICAL DRAWINGS FOR ALL REQUIRED ROOF PENETRATION LOCATIONS AND SIZES.
6. PROVIDE ROOF EQUIPMENT/OPENING FRAME AT ALL ROOF DRAINS.
7. MB1 INDICATES 32" DEEP MASONRY BEAM WITH 2#5 CONT TOP AND BOTTOM. PROVIDE 8" MINIMUM BEARING EACH END. SEE TYPICAL DETAILS.



3 Section



6 Section

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RUSSELL COUNTY COMMISSION

SHEET TITLE:
SECTIONS



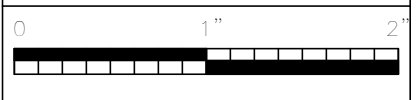
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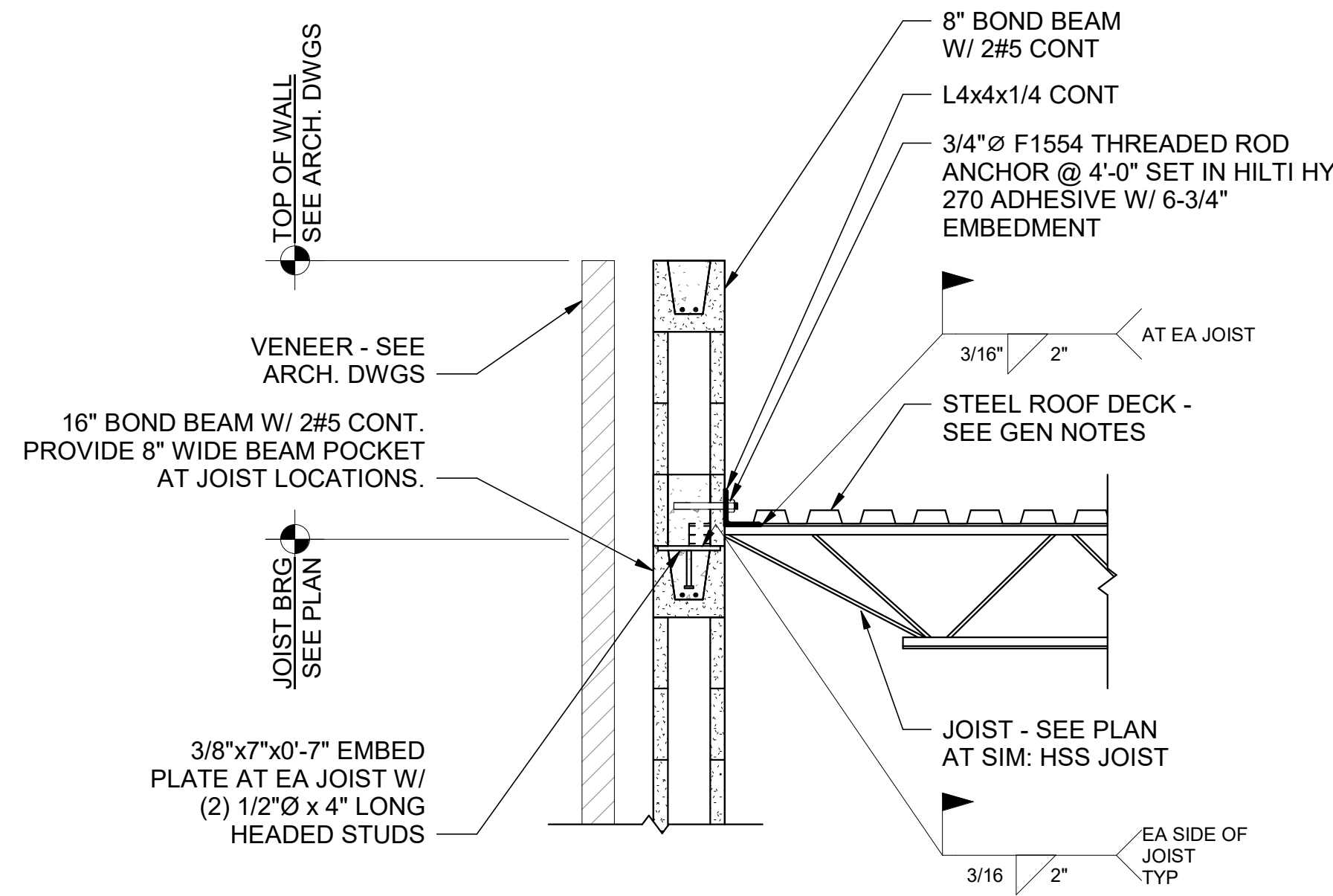
JOB NO. 25-13

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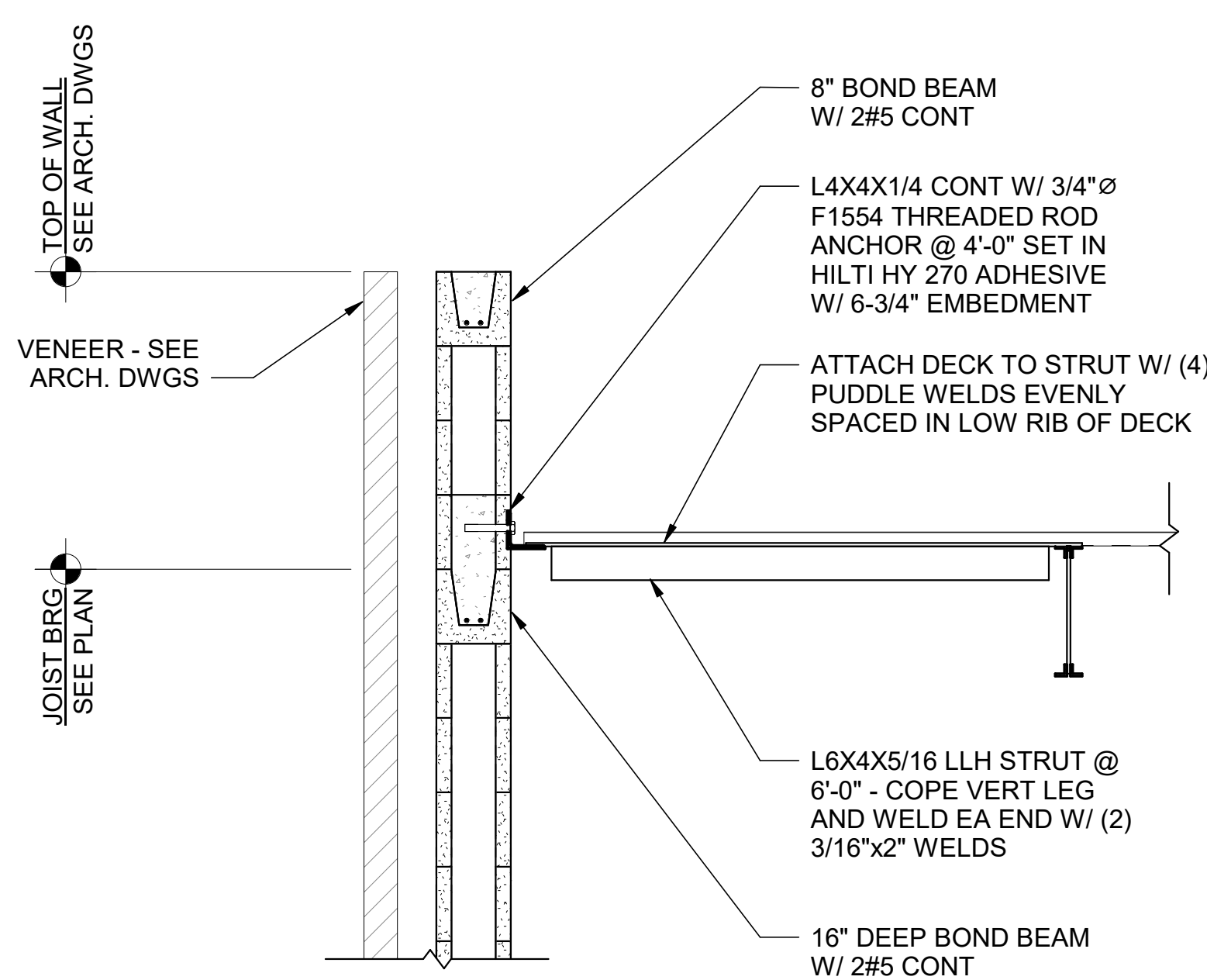
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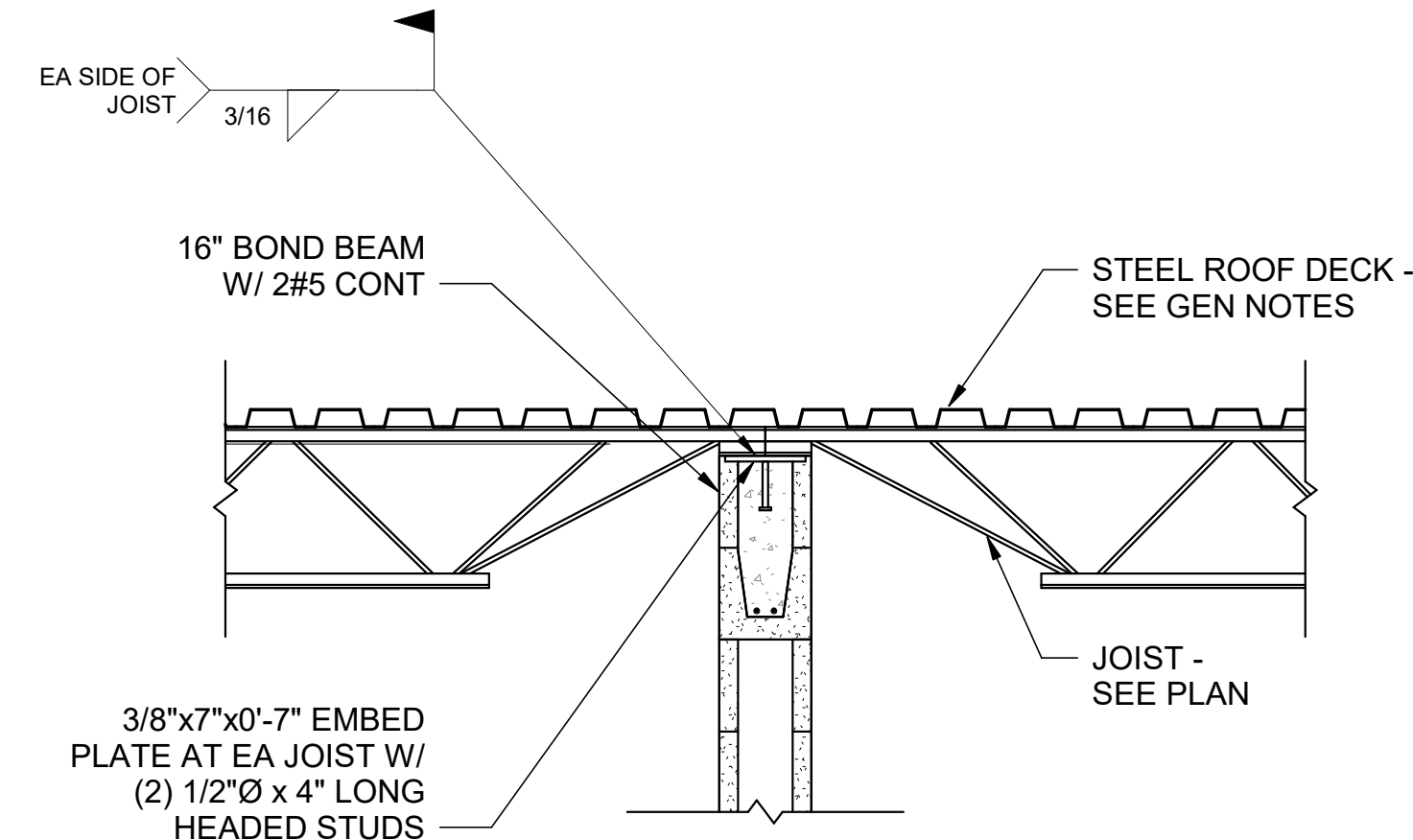




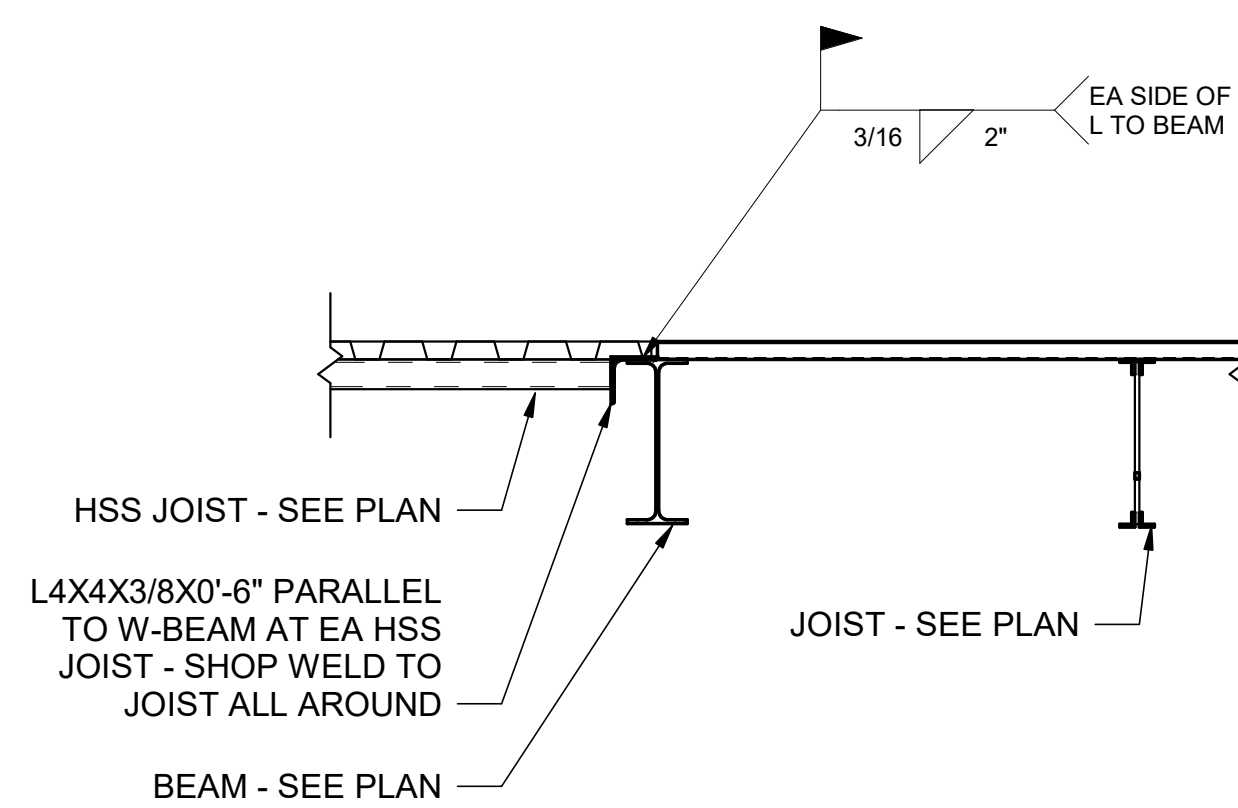
1 Section
S3.2 3/4" = 1'-0"



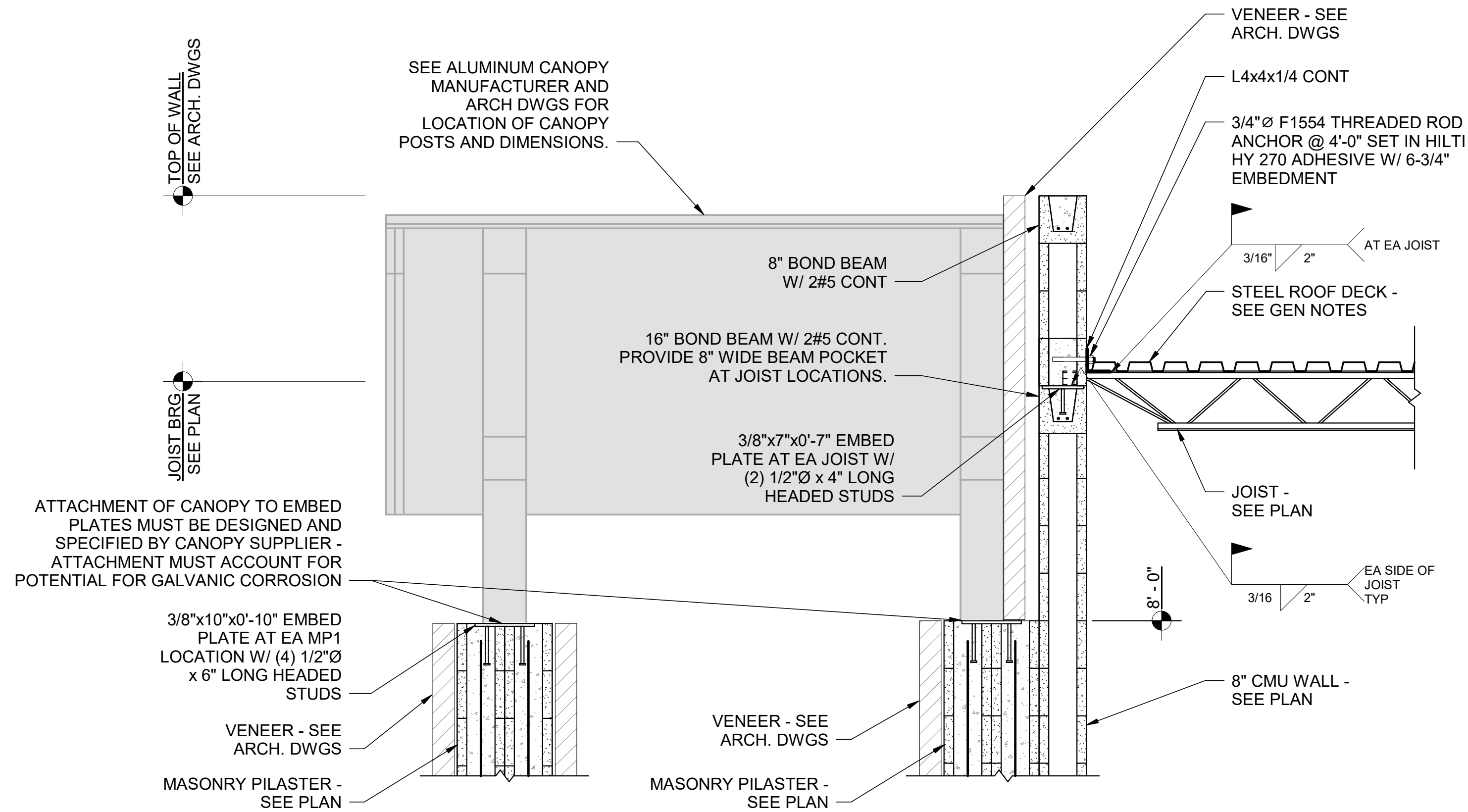
2 Section
S3.2 3/4" = 1'-0"



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



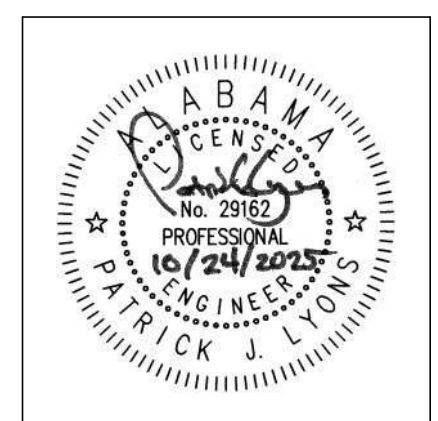
4 Section
S3.2 3/4" = 1'-0"



5 Section
S3.2 3/4" = 1'-0"

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SHEET TITLE:
SECTIONS



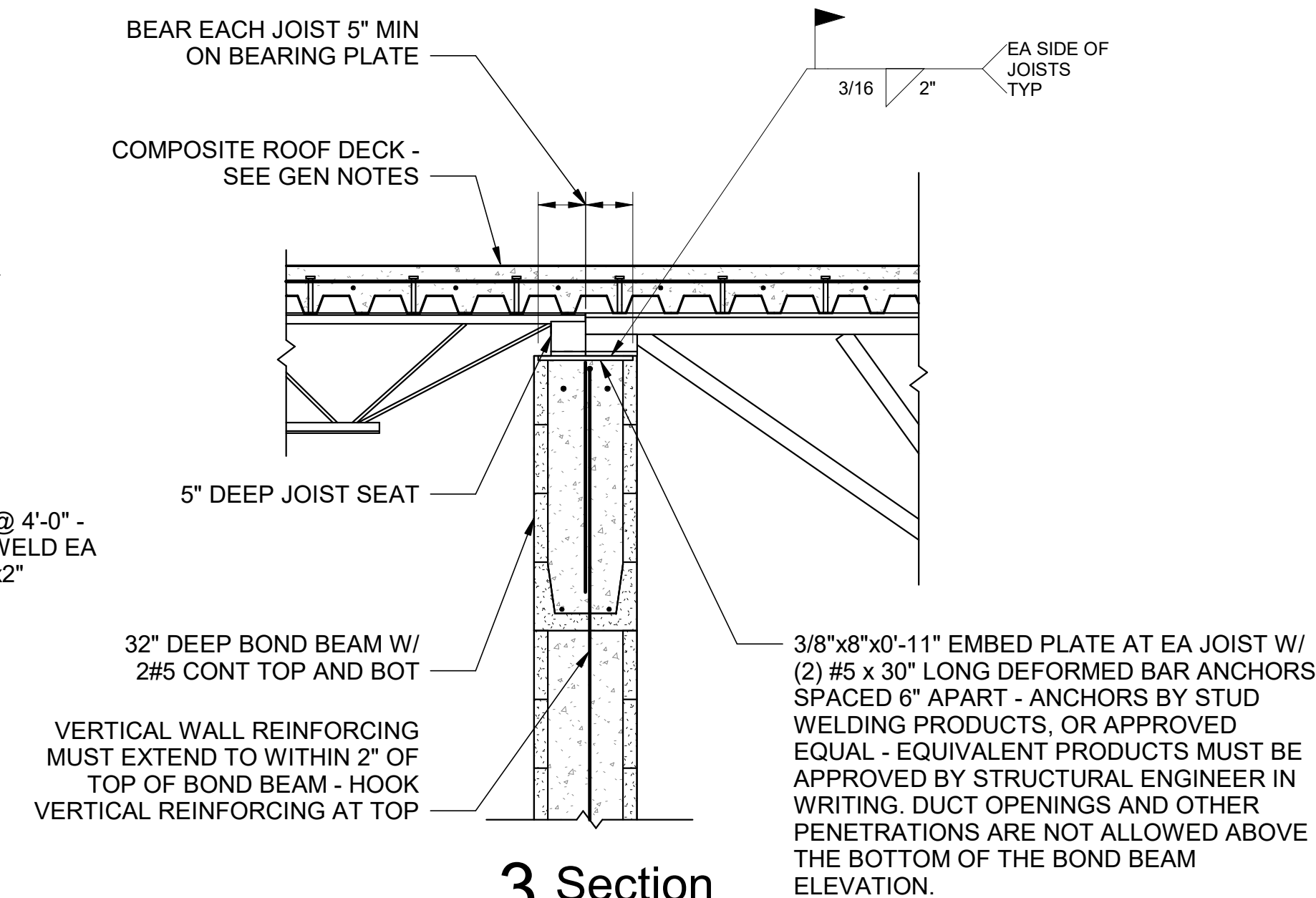
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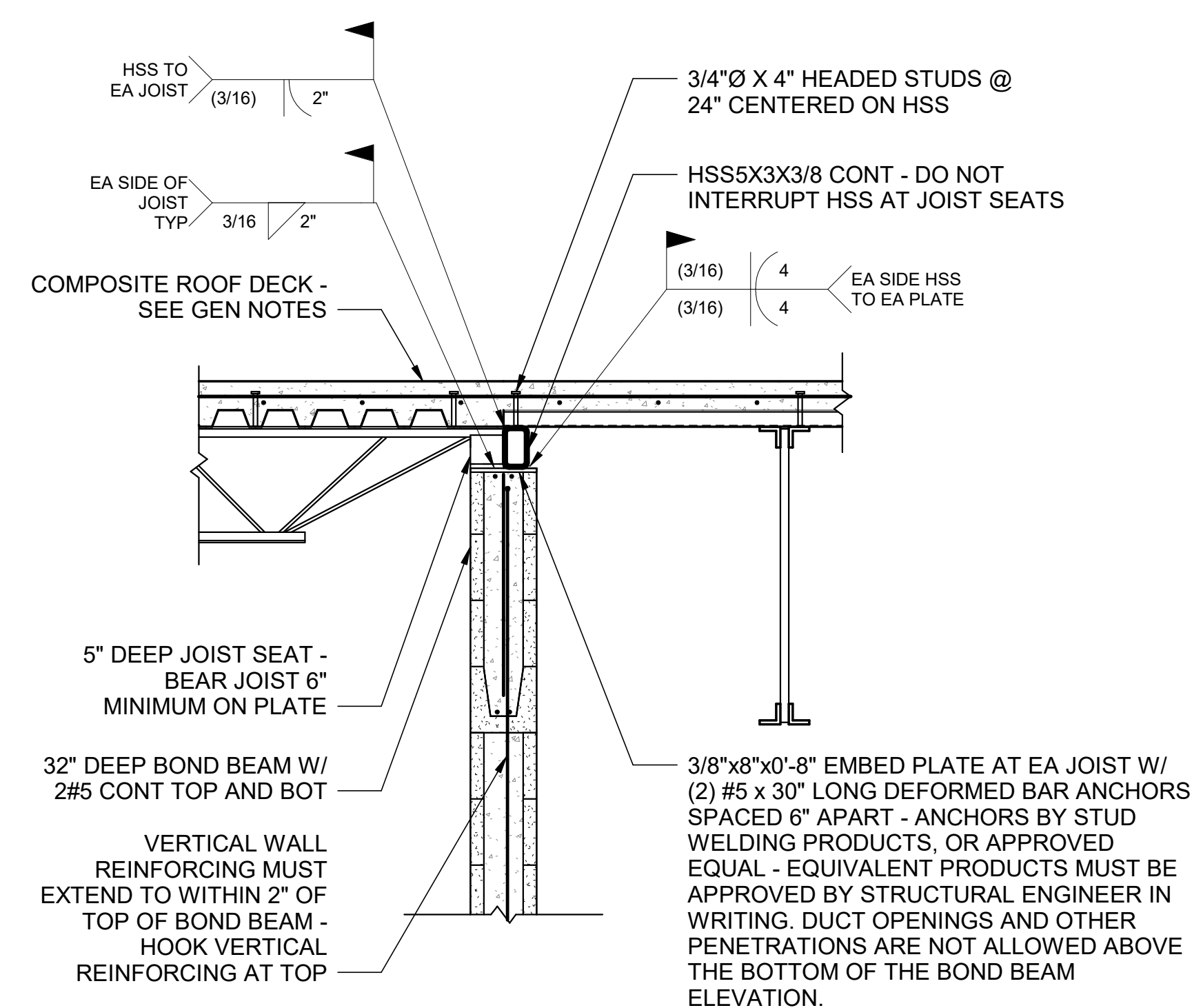
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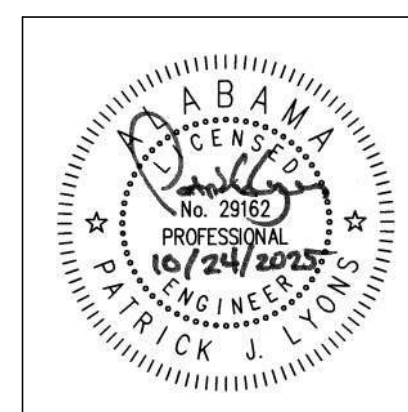
3 Section



6 Section
S3.3 $\frac{3}{4}" = 1'-0"$

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SECTIONS



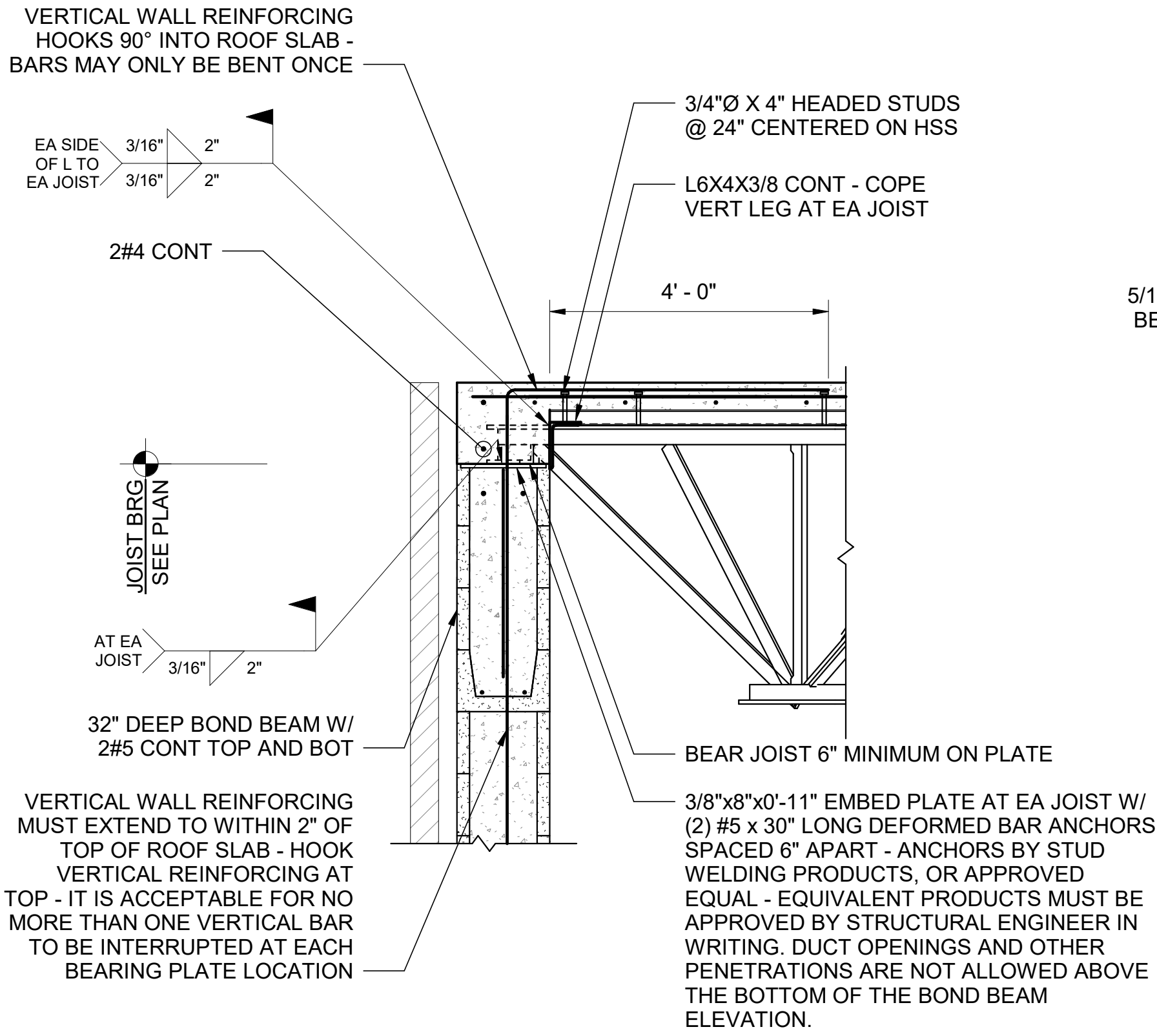
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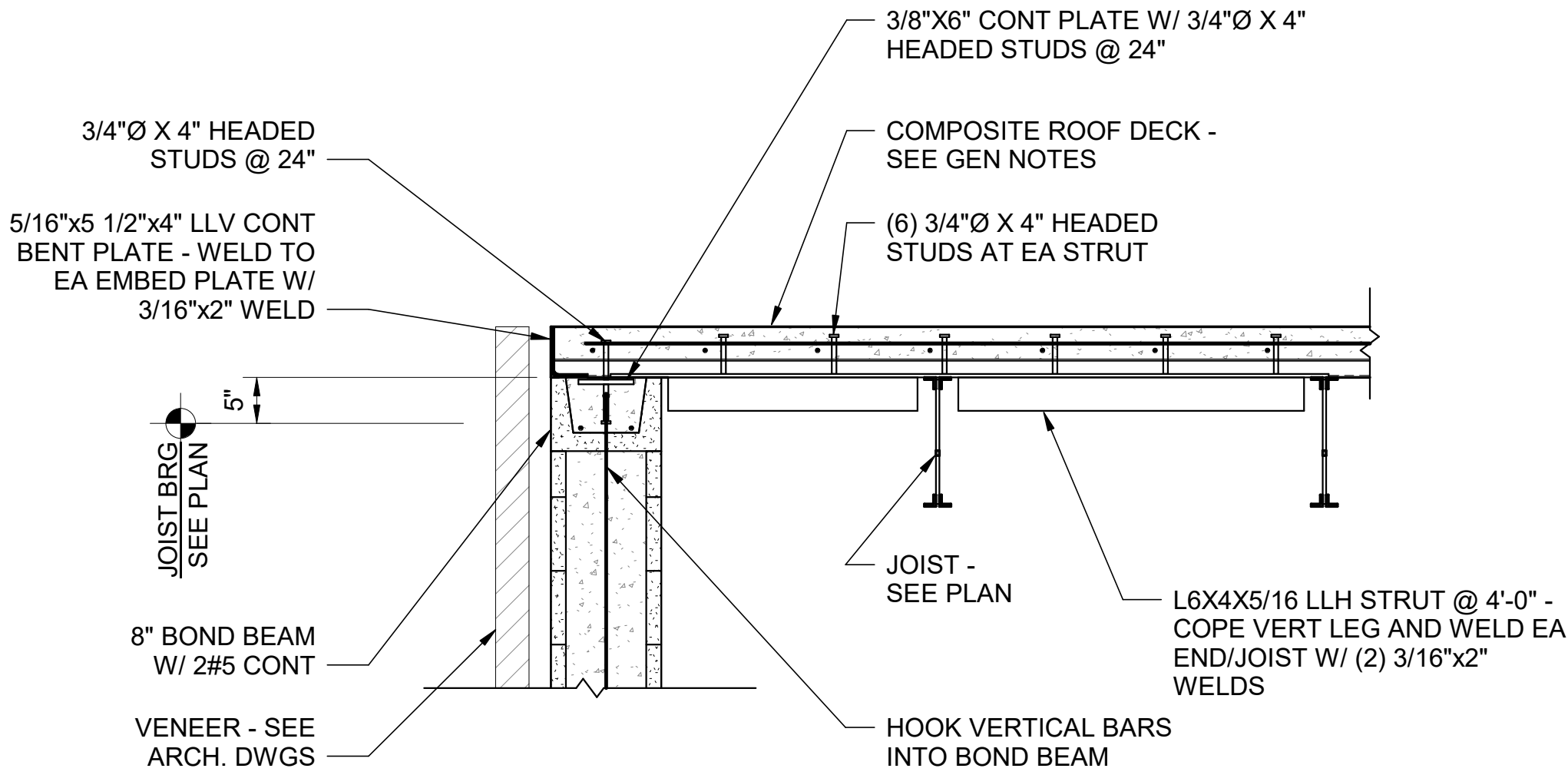
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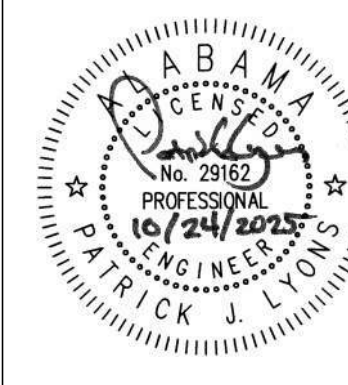
1 Section
S3.4 3/4" = 1'-0"



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

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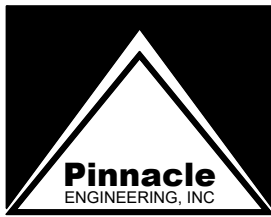
JOB NO. **25-13**

SHEET NO:
S3.4

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PLUMBING LEGEND SYMBOLS AND ABBREVIATIONS					
	DOMESTIC COLD WATER		BALL VALVE	ABV	ABOVE
	DOMESTIC HOT WATER		VALVE IN VERTICAL	AFF	ABOVE FINISHED FLOOR
	DOMESTIC HOT WATER RETURN		CAP ON END OF PIPE	INV	INVERT
	SANITARY VENT		CLEANOUT - FLOOR TYPE	BFF	BELOW FINISHED FLOOR
	SANITARY WASTE		CLEANOUT - WALL TYPE	CW	COLD WATER
	STORM DRAINAGE		P-TRAP	DN	DOWN
			PIPE TURNING DOWN	EX	EXISTING
			PIPE TURNING UP	HW	HOT WATER
			TEE DOWN	WS	WASTE STACK
			TEE UP	VS	VENT STACK
			TIE NEW INTO EXISTING	AC	ABOVE CEILING
			PLUMBING FIXTURE NUMBER	WHA	WATER HAMMER ARRESTOR
			PLUG TYPE CLEANOUT	BFG	BELOW FINISHED GRADE
			BALANCING VALVE	TMV	THERMOSTATIC MIXING VALVE
			CHECK VALVE	TP	TRAP PRIMER
			REDUCED PRESSURE ZONE BFP		
			THERMOSTATIC MIXING VALVE		
			FLOOR SINK		
			FLOOR DRAIN		

PLUMBING FIXTURE CONNECTION SCHEDULE						
EQUIPMENT NO.	DESCRIPTION	HOT WATER	COLD WATER	WASTE	VENT	REMARKS
WC-1	WATER CLOSET, ADA	--	1"	4"	2"	FLOOR MOUNTED, SENSOR FLUSH VALVE, BATTERY POWERED
WC-2	WATER CLOSET	--	1"	4"	2"	FLOOR MOUNTED, SENSOR FLUSH VALVE, BATTERY POWERED
UR-1	URINAL	--	3/4"	2"	2"	WALL MOUNTED, SENSOR FLUSH VALVE, BATTERY POWERED
UR-2	URINAL, ADA	--	3/4"	2"	2"	WALL MOUNTED, SENSOR FLUSH VALVE, BATTERY POWERED
LAV-1	LAVATORY, ADA	1/2"	1/2"	2"	2"	WALL MOUNTED, HARDWIRED SENSOR, PROVIDE MIXING VALVE
SH-1	SHOWER, ADA	1/2"	1/2"	2"	2"	FIBERGLASS INSERT
SK-1	SINK	1/2"	1/2"	2"	2"	--
SK-2	SINK, DOUBLE BOWL	1/2"	1/2"	2"	2"	DOUBLE BOWL, STAINLESS STEEL, TOP MOUNT
DW	DISHWASHER	--	3/4"	--	--	--
IMVB	ICE MAKER VALVE BOX	--	1/4"	--	--	--
JMB-1	JANITOR MOP BASIN	3/4"	3/4"	3"	2"	FLOOR/CORNER MOUNTED
WMVB	WASHING MACHINE VALVE BOX	1/2"	1/2"	2"	2"	--
EWC-1	ELECTRIC WATER COOLER	--	1/2"	2"	2"	BI-LEVEL WITH BOTTLE FILLER
FD-1	FLOOR DRAIN	--	--	2"	2"	PROVIDE WITH TRAP SEAL
FD-2	FLOOR DRAIN, MEDIUM DUTY	--	--	2"	2"	PROVIDE WITH TRAP SEAL
WH-1	WALL HYDRANT	--	3/4"	--	--	PROVIDE VACUUM BREAKER
RD	ROOF DRAIN	--	--	VARIES	--	--
CWB	CONDENSATE WALL BOX	--	--	2"	2"	--



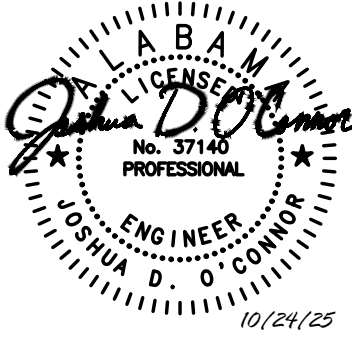
Engineering & Design Consultants
2031 Shady Crest Drive
Birmingham, AL 35216
(205) 733-6912 FAX: (205) 733-6913
Job No.: 25200 File No.: 25200W01



LATHAN
McKEE
ARCHITECTS

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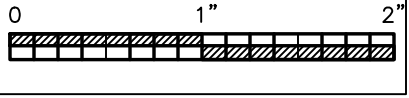
SHEET TITLE:
PLUMBING LEGENDS,
ABBREVIATIONS,
SCHEDULES, AND DETAILS

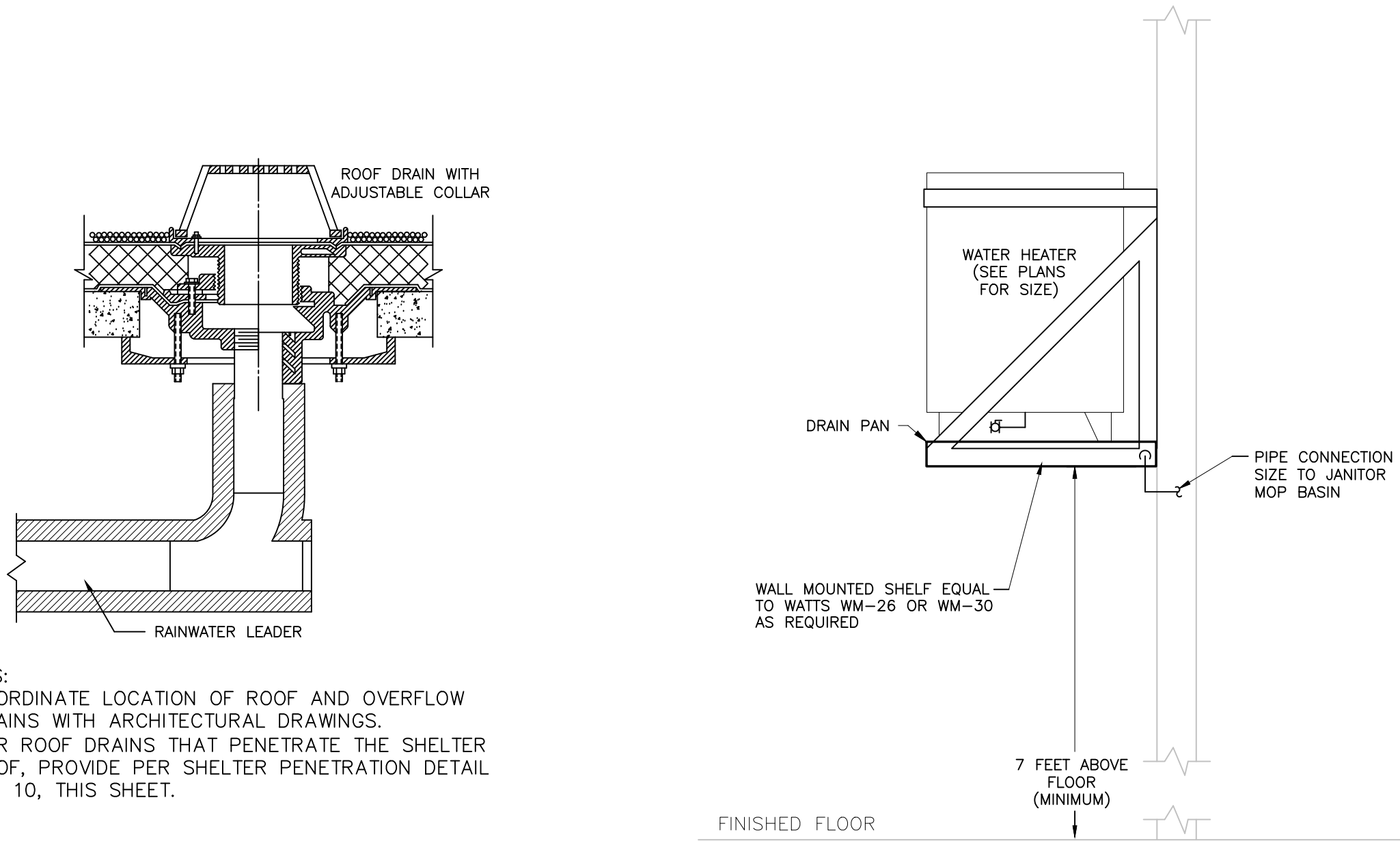


10/24/25

PROJ. MGR.: J. O'CONNOR
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DATE: 10/24/2025
REVISIONS

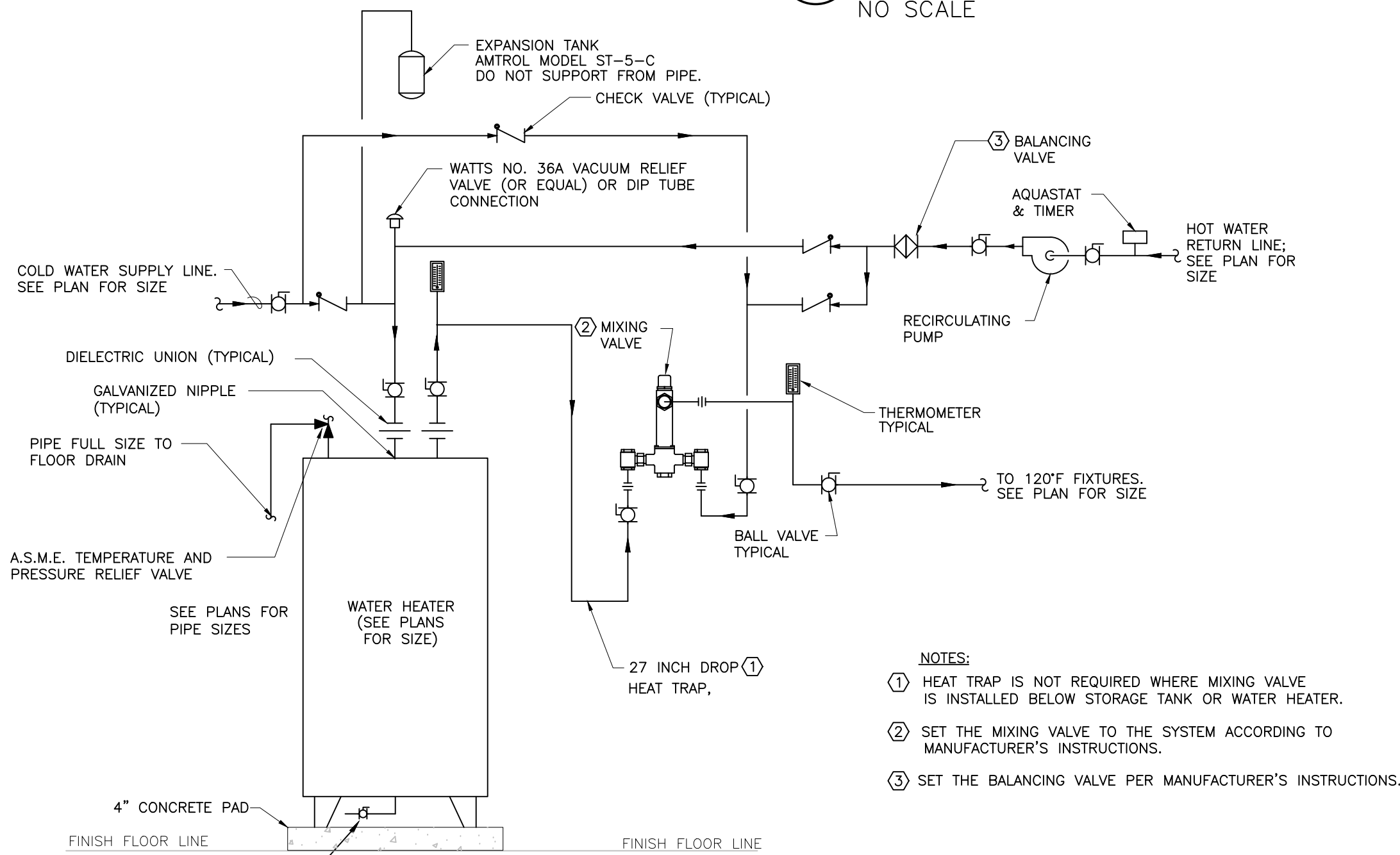
JOB NO. 25-13
SHEET NO:
P0.1
1 OF 6




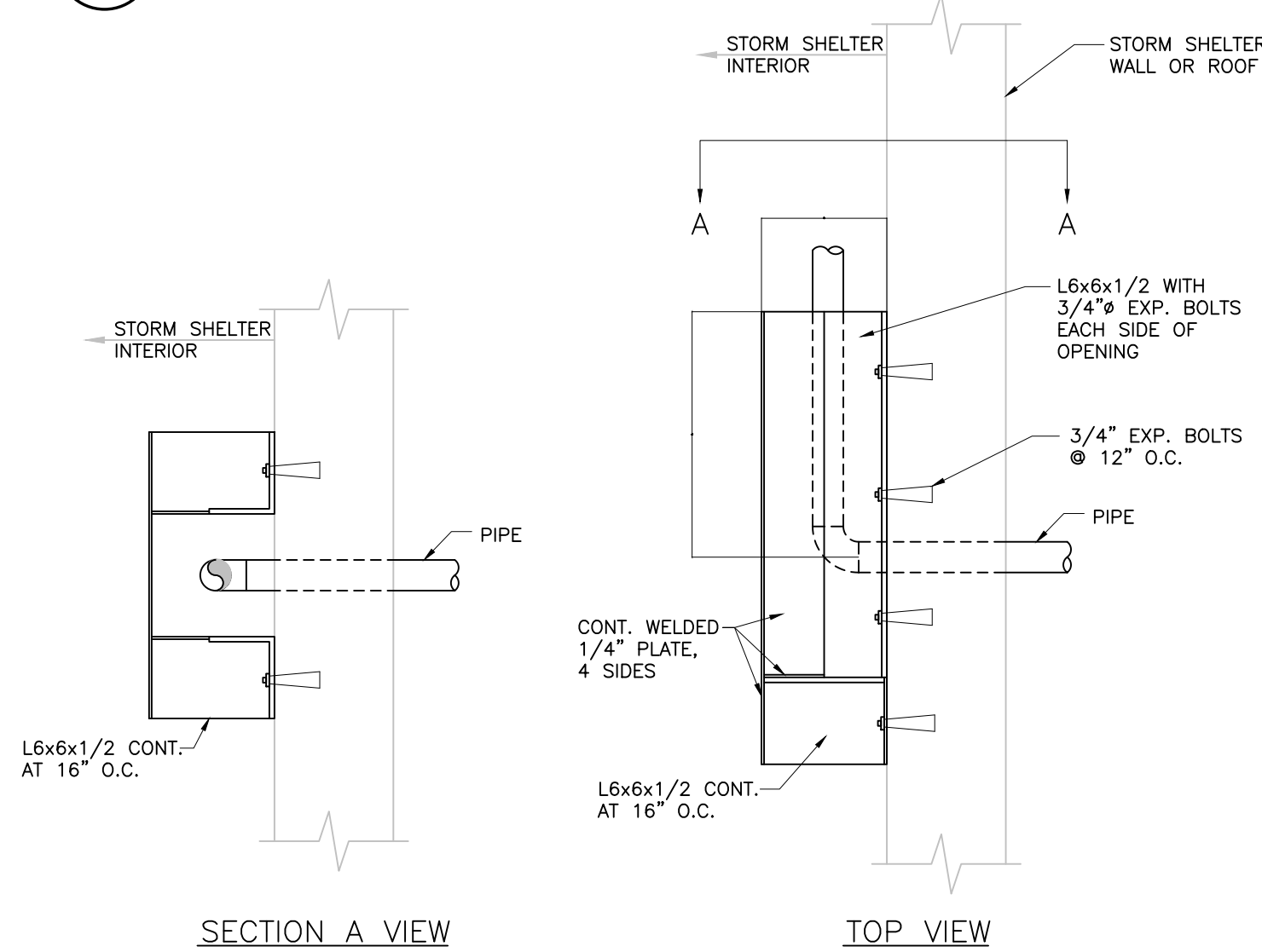
NOTES:
1. COORDINATE LOCATION OF ROOF AND OVERFLOW DRAINS WITH ARCHITECTURAL DRAWINGS.
2. FOR ROOF DRAINS THAT PENETRATE THE SHELTER ROOF, PROVIDE PER SHELTER PENETRATION DETAIL NO. 10, THIS SHEET.

11 ROOF DRAIN AND PIPING DETAIL
P0.2 NO SCALE

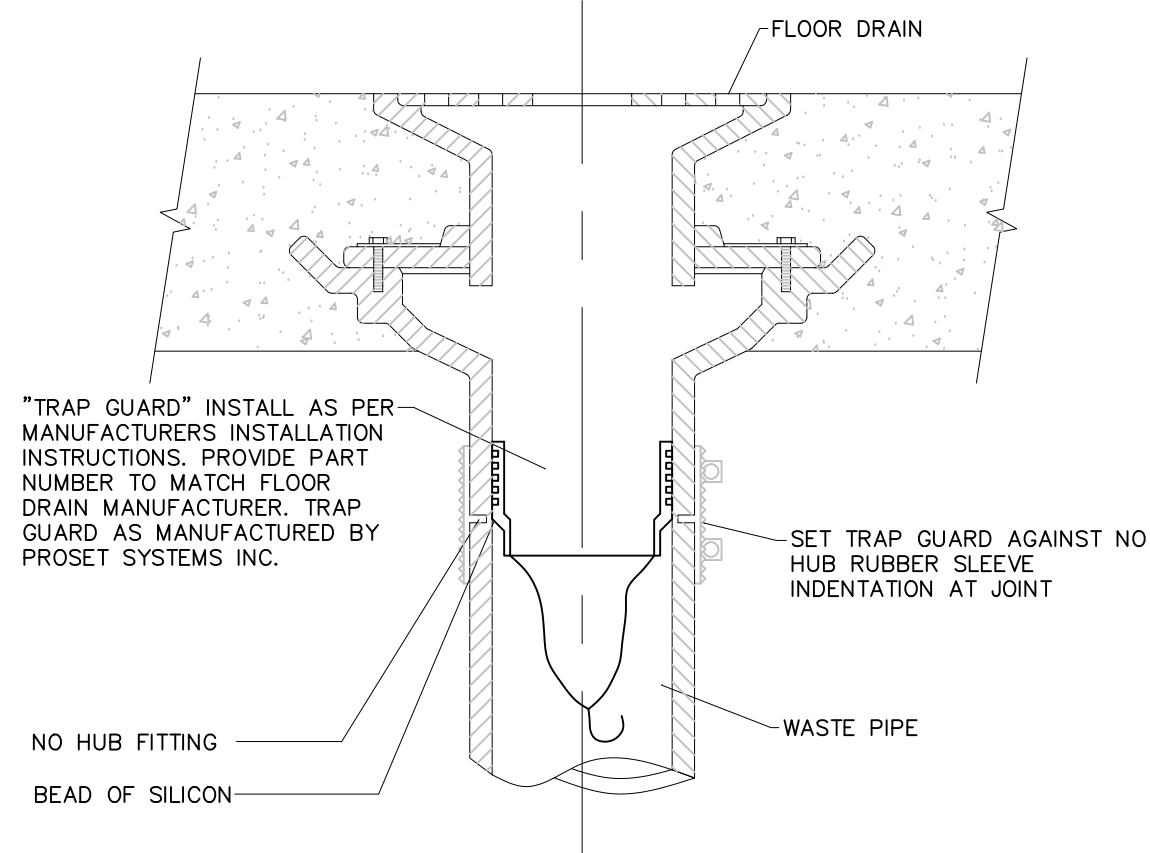
8 WATER HEATER MOUNTING DETAIL
P0.2 EWH-1 NO SCALE



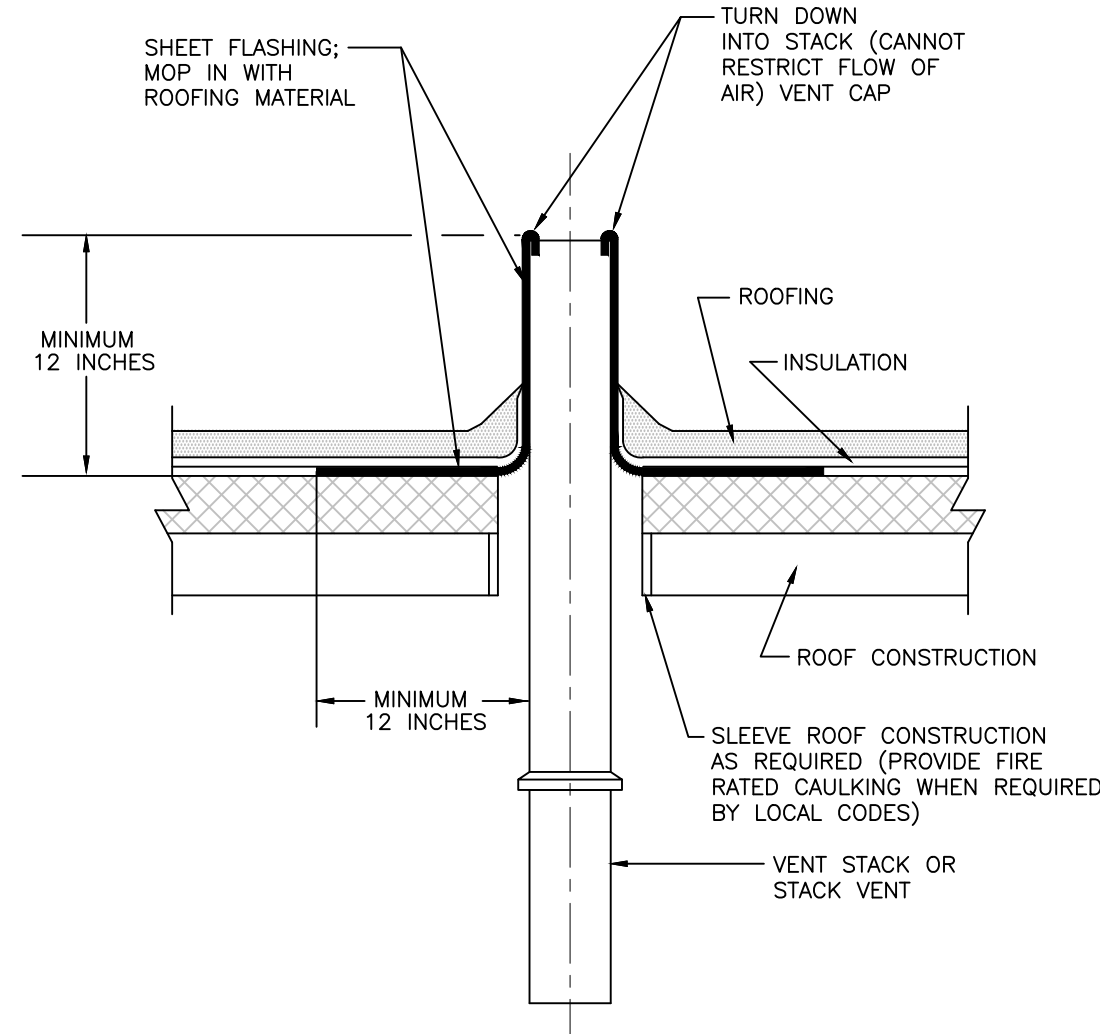
9 WATER HEATER PIPING DETAIL
P0.2 NO SCALE



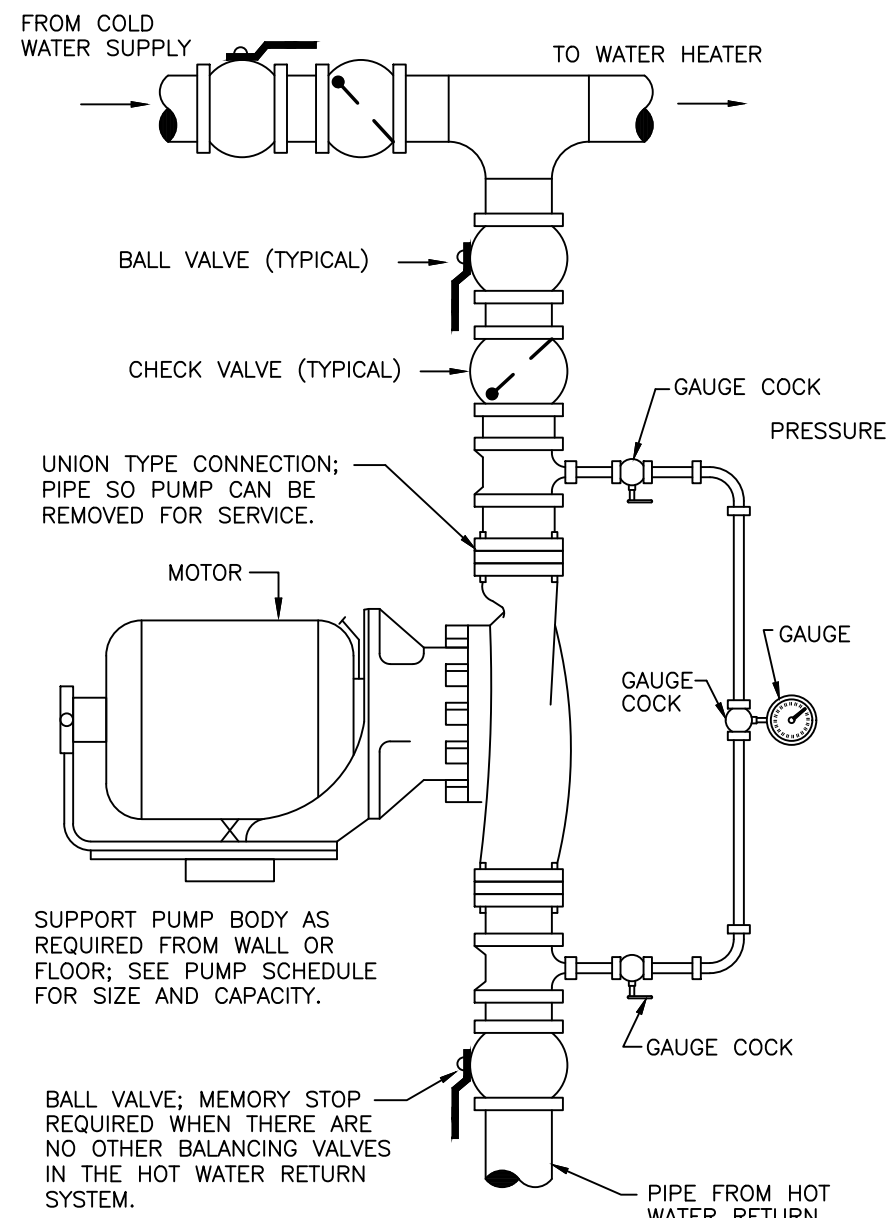
10 STORM SHELTER PENETRATION PROTECTION DETAIL
P0.2 NOTE: REQUIRED ONLY FOR PENETRATIONS GREATER THAN 2-1/2" IN DIAMETER NO SCALE



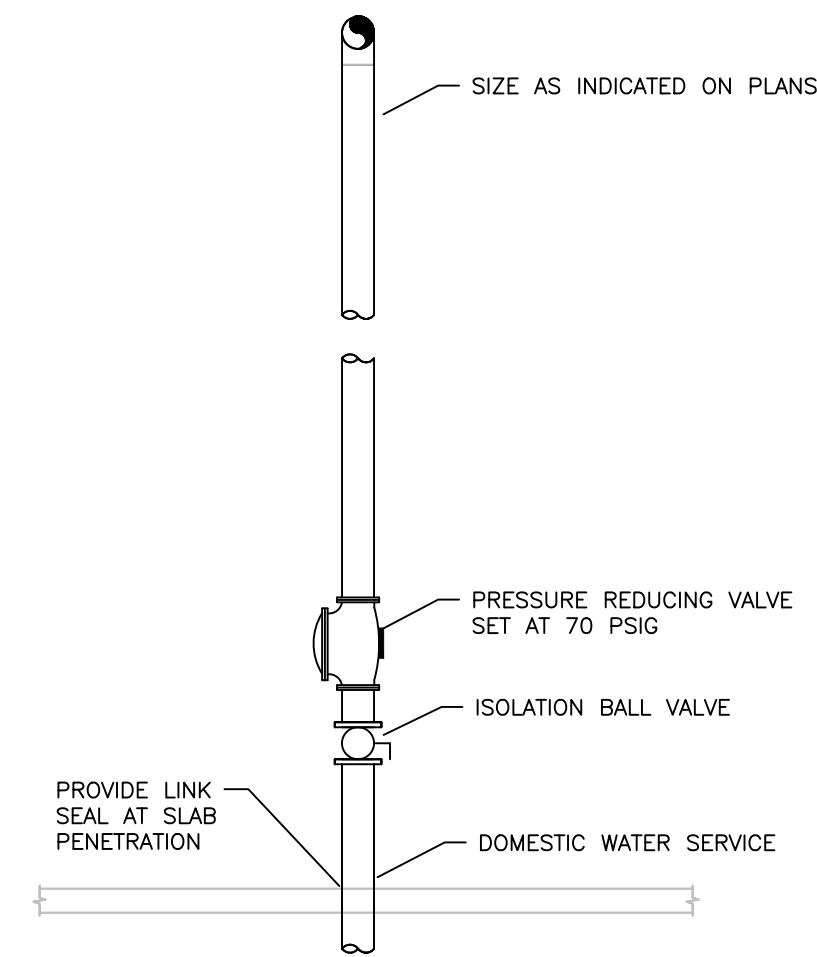
5 TRAP GUARD SEAL DETAIL
P0.2 NO SCALE



6 VENT THROUGH ROOF DETAIL
P0.2 NO SCALE

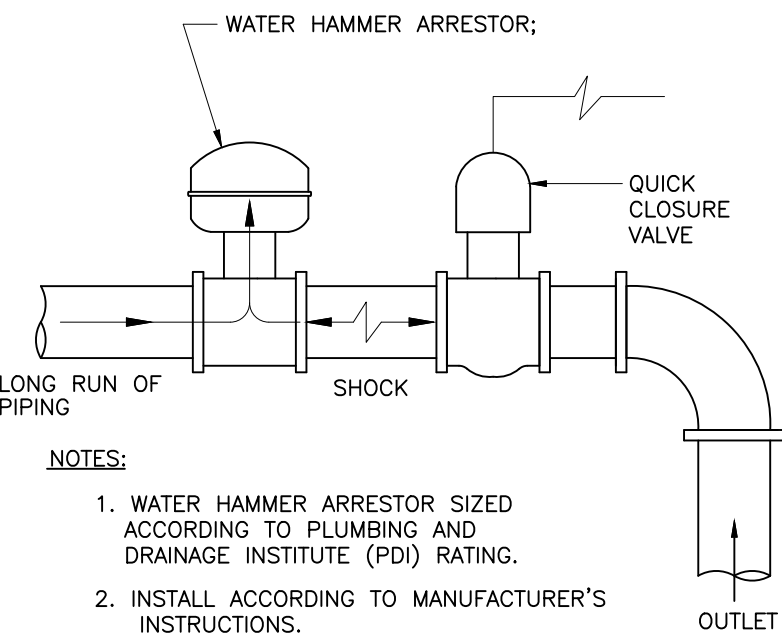


7 IN-LINE CIRCULATION PUMP
P0.2 NO SCALE

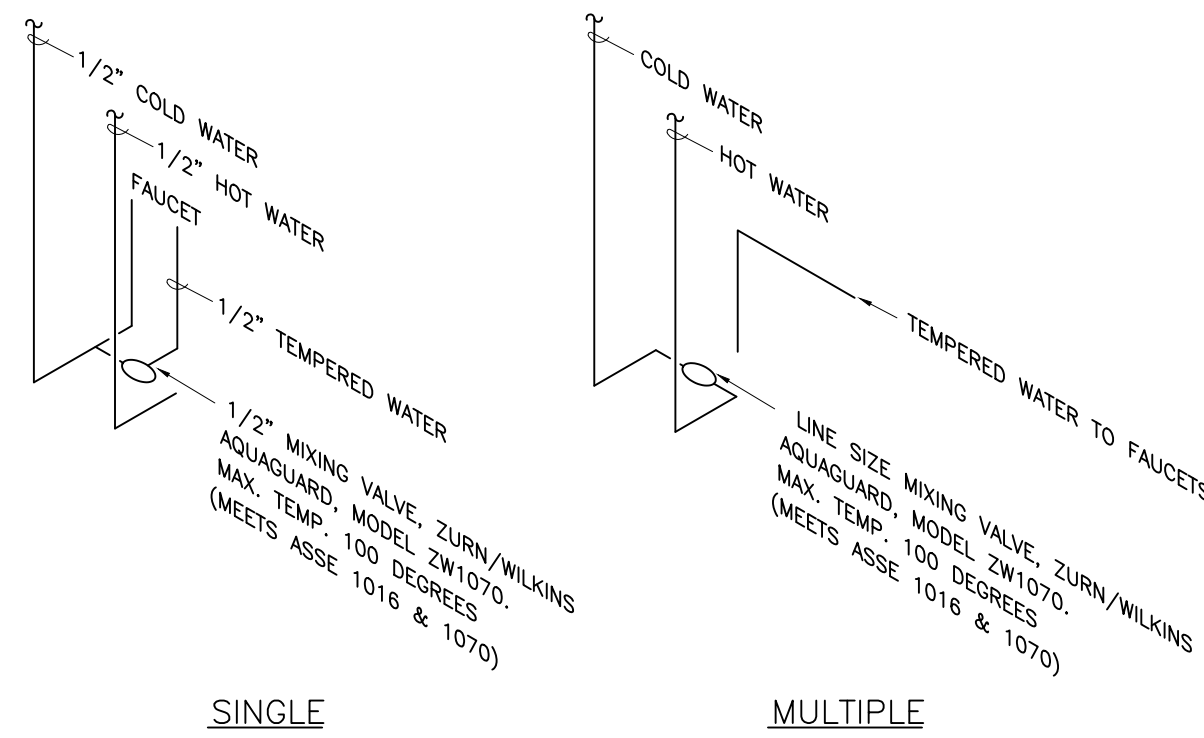


1 DOMESTIC WATER ENTRANCE DETAIL
P0.2 NO SCALE

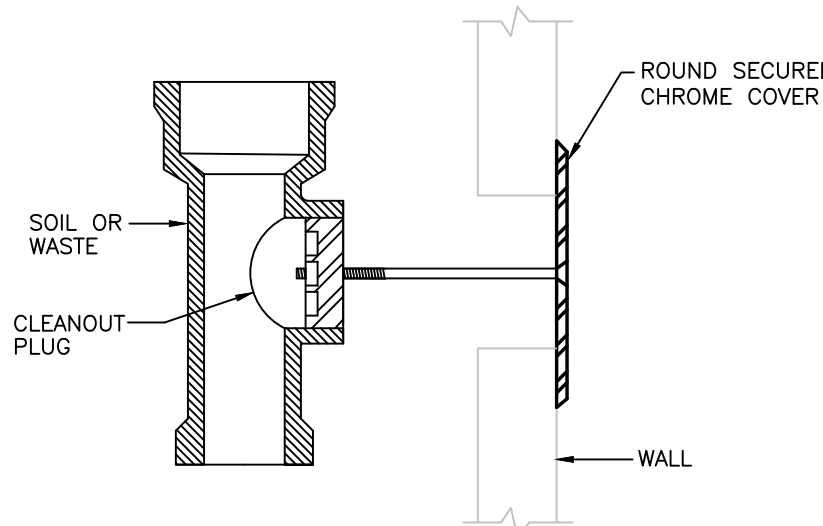
W.H.A. SCHEDULE			
MANUFACTURER AND MODEL NO.	P.D.I. SYMBOL	FIXTURE UNIT RATING	PIPE SIZE
WADE SHOKSTOP	A	(1-11)	1/2"
WADE SHOKSTOP	B	(12-32)	3/4"
WADE SHOKSTOP	C	(33-60)	1"
WADE SHOKSTOP	D	(61-113)	1"
WADE SHOKSTOP	E	(114-154)	1"
WADE SHOKSTOP	F	(155-330)	1"



2 WATER HAMMER ARRESTOR
P0.2 NO SCALE

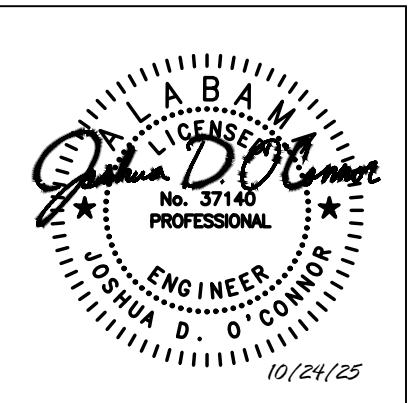


3 TYPICAL LAVATORY MIXING VALVE
P0.2 SCALE: NONE

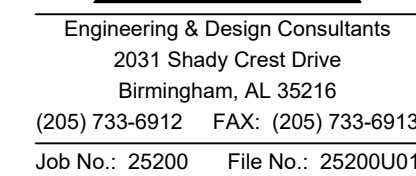


4 WALL CLEANOUT
P0.2 NO SCALE

SHEET TITLE:
PLUMBING LEGENDS,
ABBREVIATIONS,
SCHEDULES, AND DETAILS



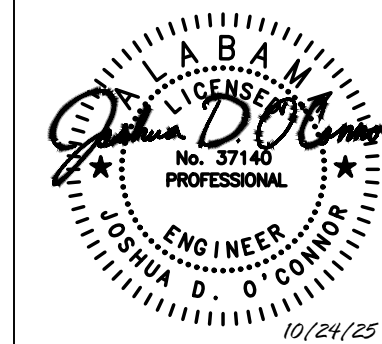
PROJ. MGR.: J. O'CONNOR
DRAWN: —
DATE: 10/24/2025
REVISIONS



LATHAN
McKEE
ARCHITECTS

NEW EMA CENTER FOR
RUSSELL COUNTY, ALABAMA
5TH STREET SOUTH, PHENIX CITY AL 36869
RUSSELL COUNTY COMMISSION

SHEET TITLE:
PLUMBING GRAVITY FLOOR
PLAN



PROJ. MGR.: J. O'CONNOR

DRAWN: -

DATE: 10/24/2025

REVISION:

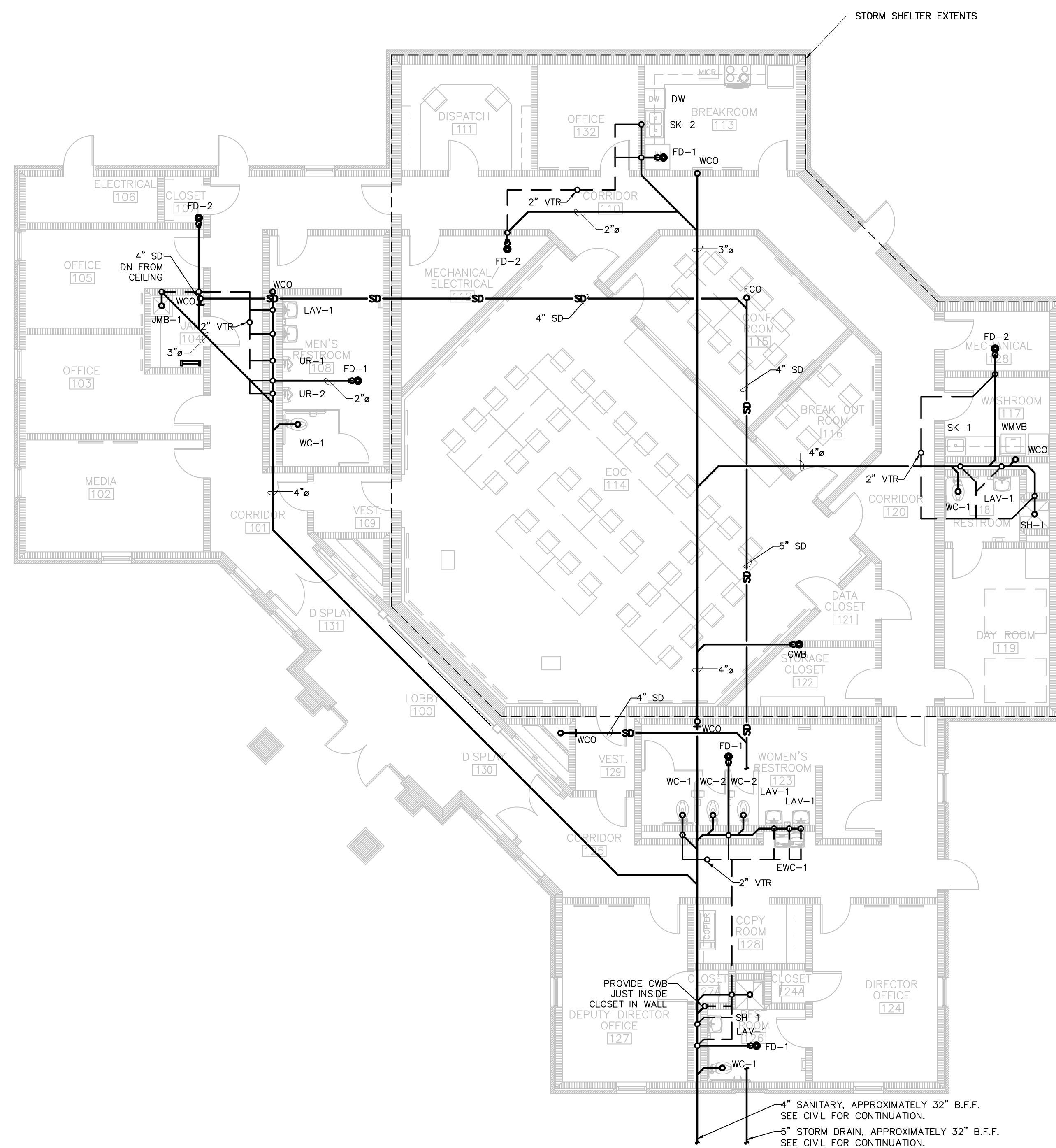
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JOB NO. 25-13

SHEET NO

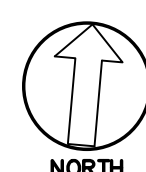
P1.1

3 OF 6



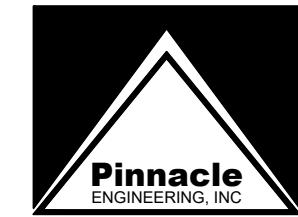
GENERAL NOTES:

- ① CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD PRIOR TO BEGINNING WORK.
- ② SPACE ABOVE CEILING IS LIMITED. CAREFUL COORDINATION WITH LIGHTING, ELECTRICAL, MECHANICAL, FIRE PROTECTION, STRUCTURAL AND ARCHITECTURAL WORK IS CRITICAL FOR COMPLETE PIPING INSTALLATION. CONTRACTOR SHALL PROVIDE NECESSARY QUOTE FOR NEW WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR AS REQUIRED TO ACCOMMODATE NEW WORK. CONTRACTOR SHALL ALLOW FOR ANY CONFLICTS ENCOUNTERED.
- ③ COORDINATION SHOP DRAWINGS SHALL BE PREPARED FOR THE ENTIRE PROJECT DRAWN TO 1/4" = 1" SCALE (MINIMUM). DRAWINGS SHALL BE FULLY DIMENSIONED, INCLUDING ELEVATIONS OF DUCTWORK AND PIPING, SHOWING CEILING GRIDS, LIGHTING LAYOUTS, PIPING UNDER OTHER DIVISIONS, CABLE TRAYS AND MAJOR ELECTRICAL CONDUIT (2" AND LARGER).
- ④ PIPING LAYOUTS ARE DIAGRAMMATIC AND DO NOT SHOW ALL ELEMENTS OF CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CHANGES ON DIRECTION, ELEVATION AND MINOR OFFSETS NECESSARY FOR COMPLETE INSTALLATION OF ELEMENTS SHOWN.
- ⑤ ALL WASTE PIPING SHOWN IS BELOW FINISHED FLOOR UNLESS OTHERWISE NOTED. MECHANICAL PIPING SHOWN IS ABOVE CEILING UNLESS OTHERWISE NOTED.
- ⑥ REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF ALL CEILING MOUNTED DEVICES. REFER TO ARCHITECTURAL FLOOR PLANS FOR ALL DIMENSIONS.
- ⑦ SPACE ABOVE CEILING SHOWN BE USED AS A RETURN AIR PLENUM.
- ⑧ DOWNSPOUT BOOTS SHALL BE INSTALLED AT ALL TRANSITION POINTS FROM ROOF GUTTERS TO UNDERGROUND STORM DRAINAGE PIPING. CONTRACTOR SHALL BE RESPONSIBLE FOR PIPING DOWNSPOUT BOOTS. DOWNSPOUT BOOT LOCATIONS SHALL BE COORDINATED IN THE FIELD. PROVIDED UNIT PRICE FOR DOWNSPOUT BOOTS IN BID.
- ⑨ COORDINATE ACCESS DOOR LOCATIONS WITH GENERAL CONTRACTOR AND ARCHITECT.
- ⑩ MECHANICAL ROOM FLOOR DRAINS HAVE BEEN COORDINATED WITH EQUIPMENT IN MECHANICAL ROOM. SPECIFICATION FIRE LOCATION MAY NEED TO BE ADJUSTED BASED ON INSTALLED EQUIPMENT.
- ⑪ RESTROOM FLOOR DRAINS HAVE BEEN COORDINATED WITH PARTITIONS AND FIXTURES. CONSULT ARCHITECTURAL PLANS TO ENSURE FINAL LOCATION OF PARTITIONS DOES NOT INTERFERE WITH FLOOR DRAINS.

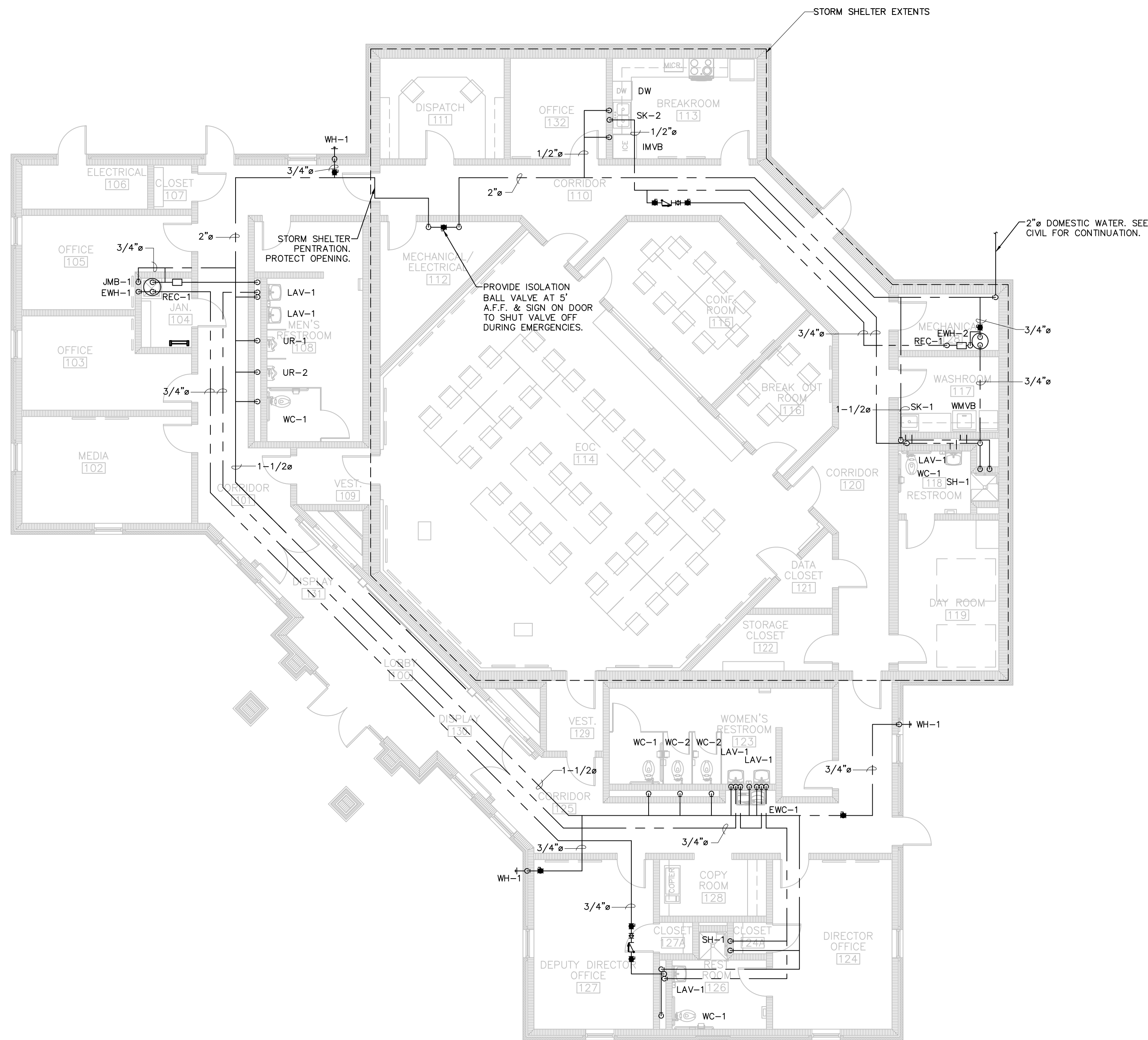


FLOOR PLAN
PLUMBING — GRAVITY
0 2 4 6 8 16

GRAPHIC SCALE (FEET)



Engineering & Design Consultants
2031 Shady Crest Drive
Birmingham, AL 35216
(205) 733-6912 FAX: (205) 733-6913
Job No.: 25200 File No.: 25200P01



GENERAL NOTES:

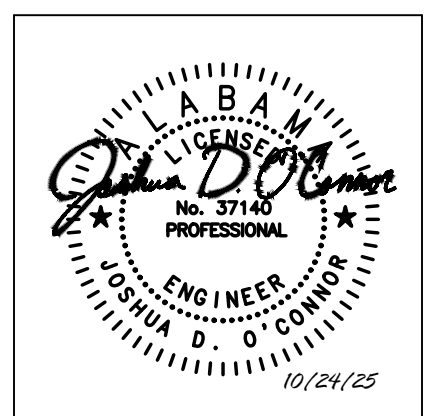
- CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD PRIOR TO BEGINNING WORK.
- SPACE ABOVE CEILING IS LIMITED. CAREFUL COORDINATION WITH LIGHTING, ELECTRICAL, MECHANICAL, FIRE PROTECTION, STRUCTURAL AND ARCHITECTURAL WORK IS CRITICAL FOR COMPLETE PIPING INSTALLATION. CONTRACTOR SHALL PROVIDE NECESSARY OFFSETS IN NEW AND EXISTING PIPING AND ELECTRICAL CONDUIT AS REQUIRED TO ACCOMMODATE NEW WORK. CONTRACTOR SHALL ALLOW FOR ANY CONFLICTS ENCOUNTERED.
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- PIPING LAYOUTS ARE DIAGRAMMATIC AND DO NOT SHOW ALL ELEMENTS OF CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CHANGES ON DIRECTION, ELEVATION AND MINOR OFFSETS NECESSARY FOR COMPLETE INSTALLATION OF ELEMENTS SHOWN.
- ALL PRESSURE PIPING SHOWN IS ABOVE THE CEILING UNLESS OTHERWISE NOTED. ALL TRAP PRIMER LINES AND HOT WATER RETURN LINES SHALL BE 1/2" UNLESS OTHERWISE NOTED.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF ALL CEILING MOUNTED DEVICES. REFER TO ARCHITECTURAL FLOOR PLANS FOR ALL DIMENSIONS.
- COORDINATE ACCESS DOOR LOCATIONS WITH GENERAL CONTRACTOR AND ARCHITECT.
- SHELTER PENETRATIONS LESS THAN OR EQUAL TO 2.5" DO NOT REQUIRE PROTECTION. ALL SHELTER PENETRATIONS SHALL COMPLY WITH ICC500-2020. PROVIDE PVC SLEEVE THROUGH CORE-DRILLED HOLE, CENTRALLY INSTALL PRESSURE PIPING THROUGH SLEEVE AND FILL INTERSTITIAL SPACE(S) WITH FOAM INSULATION. OTHERWISE, INSULATE AS PER SPECIFICATIONS.



FLOOR PLAN
PLUMBING - PRESSURE
0 2 4 6 8 16
GRAPHIC SCALE (FEET)

NEW EMA CENTER FOR
RUSSELL COUNTY, ALABAMA
5TH STREET SOUTH, PHENIX CITY AL 36869
RUSSELL COUNTY COMMISSION

SHEET TITLE:
PLUMBING PRESSURE
FLOOR PLAN



PROJ. MGR.: J. O'CONNOR

DRAWN: —

DATE: 10/24/2025

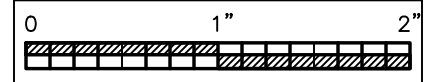
REVISIONS

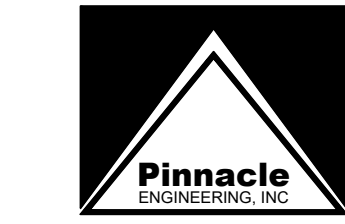
JOB NO. 25-13

SHEET NO:

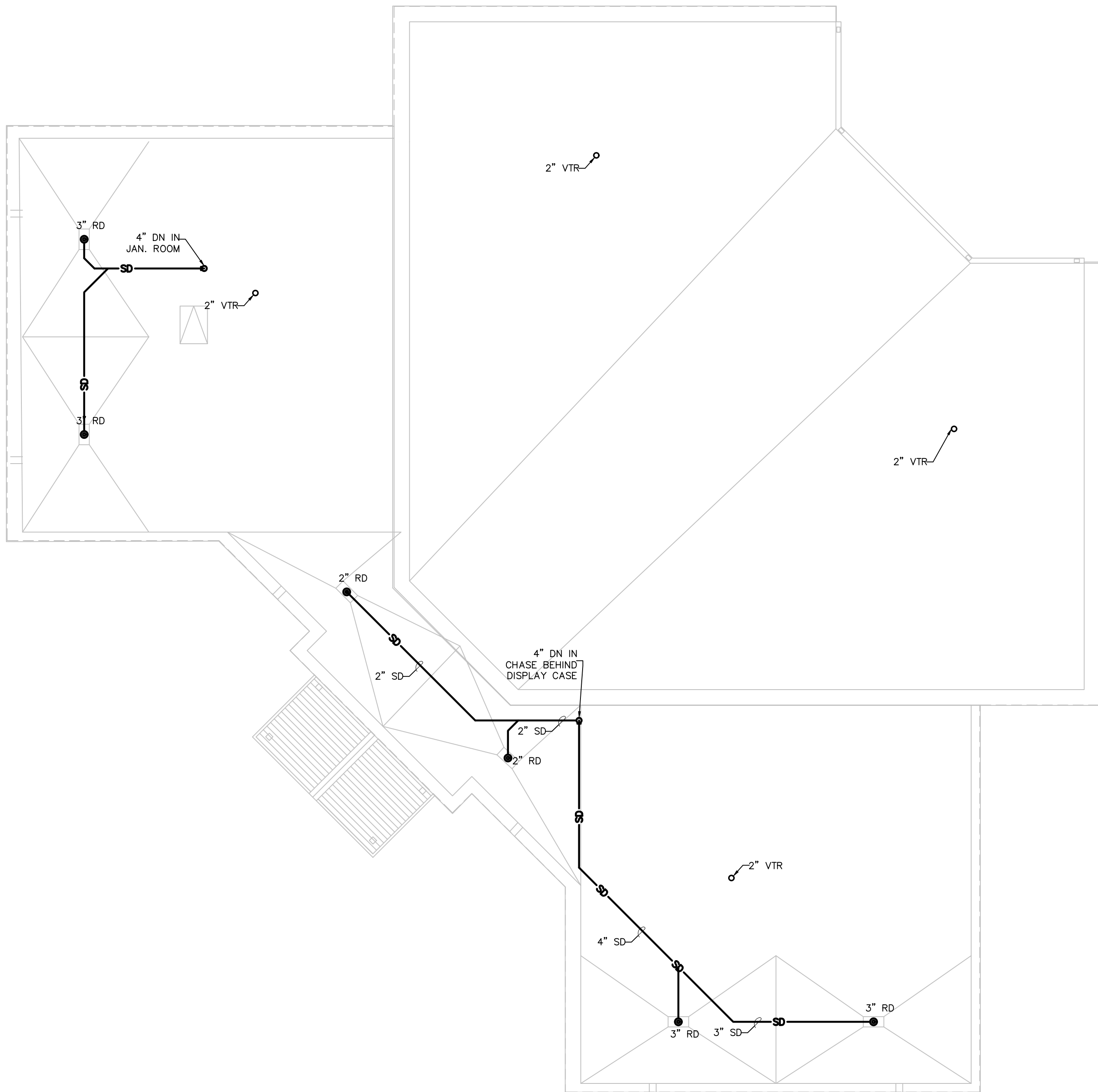
P1.2

4 OF 6





Engineering & Design Consultants
2031 Shady Crest Drive
Birmingham, AL 35216
(205) 733-6912 FAX: (205) 733-6913
Job No.: 25200 File No.: 25200U01



GENERAL NOTES:

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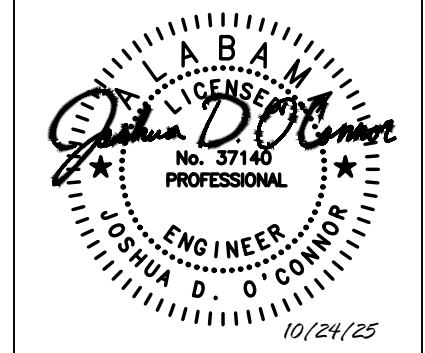
ROOF PLAN

PLUMBING

0 2 4 6 8 16

GRAPHIC SCALE (FEET)

SHEET TITLE:
PLUMBING ROOF PLAN



PROJ. MGR.: J. O'CONNOR

DRAWN: —

DATE: 10/24/2025

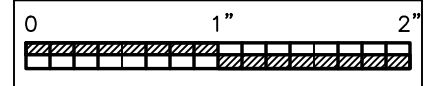
REVISIONS

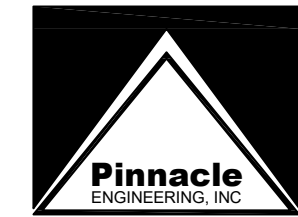
JOB NO. 25-13

SHEET NO:

P2.1

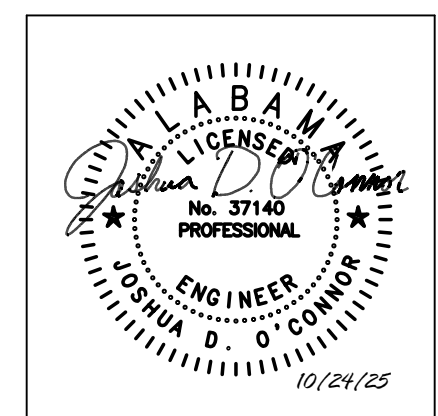
5 OF 6





Engineering & Design Consultants
2031 Shady Crest Drive
Birmingham, AL 35216
(205) 733-6912 FAX: (205) 733-6913
Job No.: 25200 File No.: 25200U01

SHEET TITLE:
PLUMBING RISERS



PROJ. MGR.: J. O'CONNOR

DRAWN: —

DATE: 10/24/2025

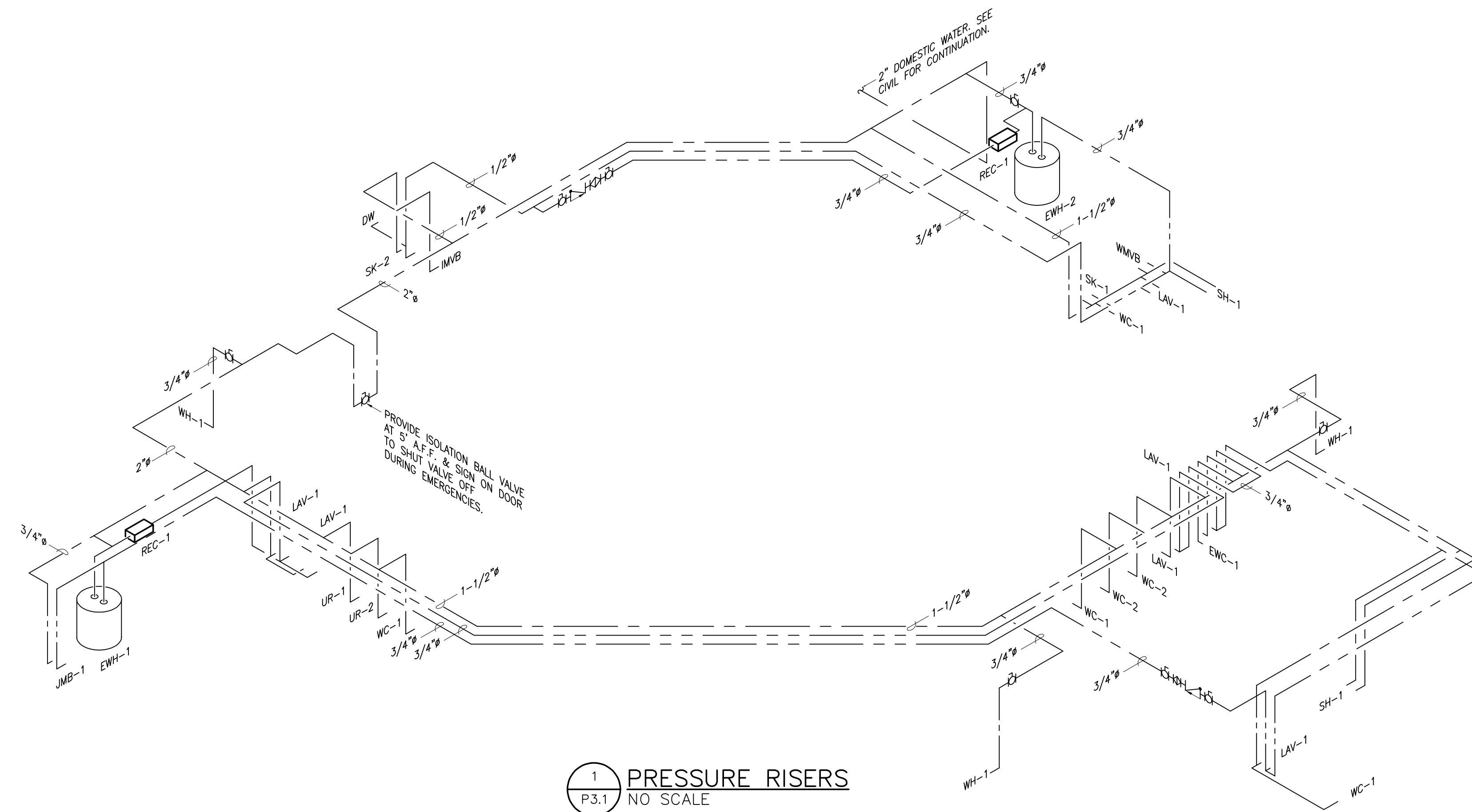
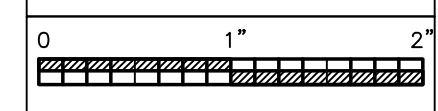
REVISIONS

JOB NO. 25-13

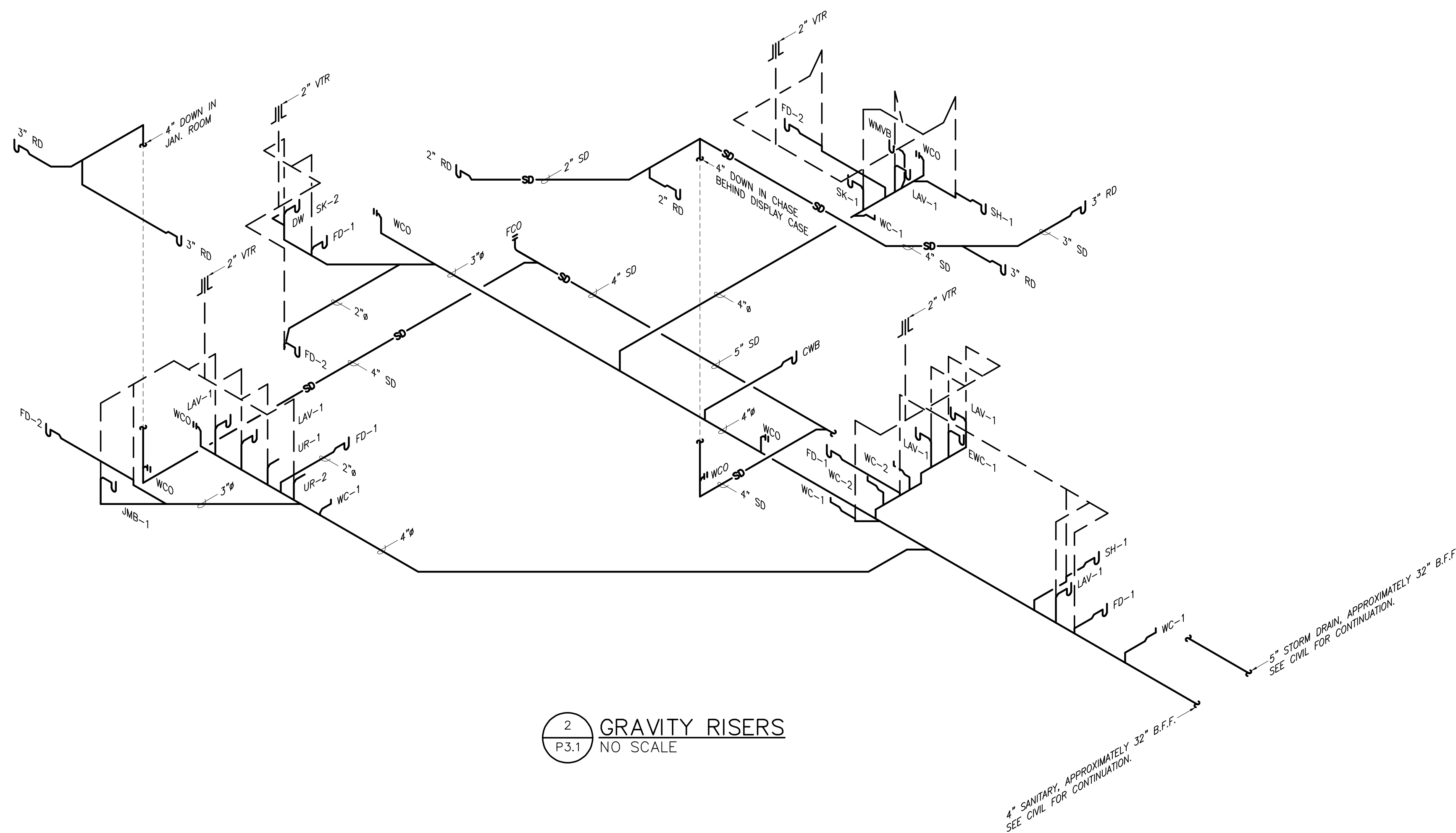
SHEET NO:

P3.1

6 OF 6



1 PRESSURE RISERS
NO SCALE

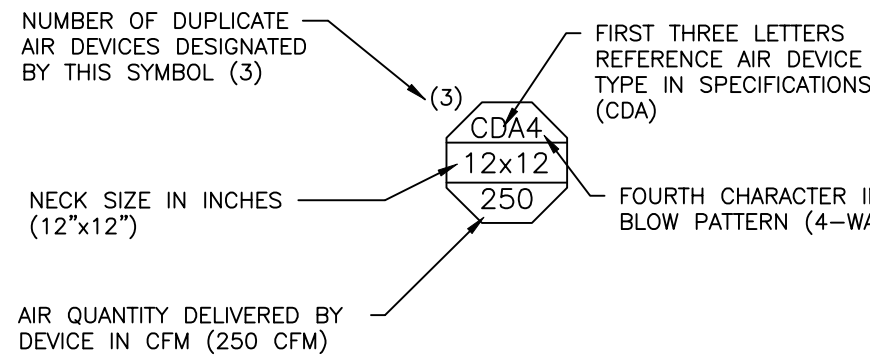


2 GRAVITY RISERS
NO SCALE

LEGEND

	DUCT SIZE, FIRST FIGURE IS SIDE SHOWN INSIDE CLEAR DIMENSION UNLESS NOTED OTHERWISE
	LOW PRESSURE, RECTANGULAR (GALVANIZED STEEL)
	DUCT RISE
	DUCT DROP
	EXISTING DUCTWORK TO REMAIN
	DUCT TRANSITION
	RECTANGULAR TO ROUND DUCT TRANSITION
	TURNING VANES
	CHILLED WATER SUPPLY PIPING
	CHILLED WATER RETURN PIPING
	HOT WATER SUPPLY PIPING
	HOT WATER RETURN PIPING
	CONDENSATE DRAIN PIPING
	AUXILIARY CONDENSATE DRAIN PIPING
	REFRIGERANT PIPING (2 LINES TOTAL)
	LOW PRESSURE STEAM SUPPLY
	LOW PRESSURE STEAM CONDENSATE RETURN
	MEDIUM PRESSURE STEAM SUPPLY
	MEDIUM PRESSURE STEAM CONDENSATE RETURN
	EXISTING PIPING
	EXISTING PIPING TO BE DEMOLISHED
	ELBOW, 90° (LONG RADIUS)
	TEE
	TEE, TURNED UP
	TEE TURNED DOWN
	ELBOW, TURNED DOWN
	ELBOW, TURNED UP
	GATE VALVE
	GLOBE VALVE
	BALL VALVE
	BUTTERFLY VALVE
	UNION
	WALL MOUNTED THERMOSTAT
	WALL MOUNTED HUMIDISTAT
	WALL MOUNTED TEMPERATURE SENSOR
	WALL MOUNTED CARBON DIOXIDE SENSOR
	WALL MOUNTED DEVICE W/ COVER GAURD
	SMOKE DETECTOR
	TIE NEW INTO EXISTING
	UNDERCUT DOOR 3/4 INCHES
	SUPPLY AIR FLOW
	RETURN OR EXHAUST AIR FLOW

NOTE: THIS LEGEND IS FOR REFERENCE ONLY.
ALL SYMBOLS WHICH APPEAR WITHIN THE
LEGEND MAY NOT APPLY TO THIS PROJECT.



1 **AIR_DEVICE LEGEND**
M0.1 NO SCALE

ABBREVIATIONS

AB,CL'G	ABOVE CEILING
ABV.	ABOVE
AC	ALTERNATING CURRENT
A/C	AIR COMPRESSOR
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AI	ANALOG INPUT
ALT.	ALTERNATE
AMP	AMPERE
AO	ANALOG OUTPUT
APPROX.	APPROXIMATELY
ARCH.	ARCHITECTURAL
AVG	AVERAGE
B	BOILER
BTU	BRITISH THERMAL UNIT
CFM	CUBIC FEET PER MINUTE
CH	CHILLER
CHWP	CHILLED WATER PUMP
CLG	CEILING
CT	COOLING TOWER
CU	CONDENSING UNIT
CWP	CONDENSER WATER PUMP
DEFL	DEFLECTION
DET	DETAIL
DI	DIGITAL INPUT
DIA	DIAMETER
Ø	DIAMETER
DO	DIGITAL OUTPUT
EDB	ENTERING DRY BULB
ELEC.	ELECTRICAL
ELEV.	ELEVATION
EWB	ENTERING WET BULB
EWI	ENTERING WATER TEMPERATURE
EXH	EXHAUST
EXIST.	EXISTING
°F	DEGREES FAHRENHEIT
GFF	GAS FIRED FURNACE
GPM	GALLONS PER MINUTE
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FT	FOOT OR FEET
HD.	HEAD
HP	HORSE POWER
HR	HOURL(S)
HT.	HEIGHT
HTR	HEATER
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
HWP	HOT WATER PUMP
HX	HEAT EXCHANGER
HZ	FREQUENCY (HERTZ)
ID	INSIDE DIAMETER
IN.	INCHES
KW	KILOWATT
KWH	KILOWATT HOUR
MAX	MAXIMUM
MBH.	1000 BTU PER HOUR
MECH.	MECHANICAL
MFR.	MANUFACTURER
MIN	MINIMUM
NO.	NUMBER
N/A	NOT APPLICABLE
NC	NOISE CRITERIA
O.D.	OUTSIDE DIAMETER
OA	OUTSIDE AIR
Ø	ORIGINAL
ORIG.	PHASE
PH.	POWERED INDUCTION UNIT
PIU	PRESSURE
PRESS	RETURN AIR
RTN	ROOFTOP AIR HANDLING UNIT
RTU	STAND ALONE DIGITAL CONTROLLER
SDC	SENSIBLE
SENS.	SQUARE
SQ.	SUPPLY
SPLY	TEMPERATURE
TEMP	VARIABLE AIR VOLUME
WAV	WATT
W	WITH
W/P.D.	WATER PRESSURE DROP

AIR HANDLING UNIT SCHEDULE

EQUIPMENT NO.	MANUFACTURER/ MODEL NO.	CFM	OA CFM	E.S.P. (IN. W.C.)	FAN		COOLING COIL					ELECTRIC HEAT				AIR HANDLER ONLY				ELECTRICAL				DISCONNECT	VIBRATION ISOLATION		MOUNTING	WEIGHT (LBS.)	REMARKS
					H.P.	DRIVE	EAT		LAT		TOTAL CAPACITY (MBH)	TOTAL (KW)	STAGES	AMPS	MCA	MOCP	VOLTS/PH./HZ.	SINGLE POINT/ELEC		HEAT VOLT/PH./HZ.	CKT								
							'F DB	'F WB	'F DB	'F WB								MCA	MOCP			VOLTS/PH./HZ.							
IHP-1	TRANE 5TAM5D05AC31	1080	100	0.75	0.5	ECM	78	65	57	55	33.0	10.8	3	--	--	--	--	42.6	45	208/3/60	BY DIV. 16	3	0.75	A	HORIZONTAL	160	2), 3)		
IHP-2	TRANE 5TEM4D04AC31	960	140	0.75	0.5	ECM	78	65	57	56	27.0	10.8	3	--	--	--	--	41	45	208/3/60	BY DIV. 16	--	--	--	VERTICAL	160	2), 3)		
IHP-3	TRANE 5TAM5D06AC41	1600	260	0.75	0.5	ECM	78	65	58	56	45.4	14.4	3	40	7	15	208/1/60	--	--	208/3/60	BY DIV. 16	--	--	--	VERTICAL	175	1), 3)		
IHP-4	TRANE 5TAM5D06AC41	1600	225	0.75	0.5	ECM	78	65	58	56	45.4	14.4	3	40	7	15	208/1/60	--	--	208/3/60	BY DIV. 16	--	--	--	VERTICAL	175	1), 3)		
IHP-5	TRANE TPKAA0A018	375	0	--	30 W	ECM	--	--	--	--	18	--	--	--	--	--	208/1/60	--	--	--	BY DIV. 16	--	--	--	WALL	50	4), 5)		
IHP-6	TRANE TPKAA0A018	375	0	--	30 W	ECM	--	--	--	--	18	--	--	--	--	--	208/1/60	--	--	--	BY DIV. 16	--	--	--	WALL	50	4), 5)		

REMARKS:

- 1) PROVIDE SEPARATE CIRCUIT FOR ELECTRIC HEAT. AIR HANDLER FAN & CONTROLS SHALL BE ON EMERGENCY POWER.
- 2) PROVIDE SINGLE POINT POWER CONNECTION.
- 3) SEE FLOOR PLANS AND DETAILS FOR UNIT CONFIGURATION AND INSTALLATION.

- 4) THIS UNIT POWERED FROM OUTDOOR UNIT.
- 5) PROVIDE HARD WIRED, WALL MOUNTED CONTROLLER.

OUTDOOR HEAT PUMP SCHEDULE

EQUIPMENT NO.	MANUFACTURER/ MODEL NO.	SERVICE	COOLING CAPACITY		HEATING CAPACITY		UNIT MCA	UNIT MOCP	ELECTRICAL DISCONNECT	VOLTS/PH./HZ.	SEER	HSPF	REMARKS
			NOMINAL (TONS)	AMBIENT TEMP. (°F)	MBH	AMBIENT TEMP. (°F)							
OHP-1	TRANE 5TWA4036A3	IHP-1	3	95	21.2	17	16.6	25	BY DIV. 16	208/3/60	15.2	8.2	1), 2), 3)
OHP-2	TRANE 5TWR4030A1	IHP-2	2.5	95	17.0	17	16.3	25	BY DIV. 16	208/1/60	15.2	8.2	1), 2), 3)
OHP-3	TRANE TWA4048A3	IHP-3	4	95	28.2	17	18.1	30	BY DIV. 16	208/3/60	15.5	8.2	1), 2), 3)
OHP-4	TRANE TWA4048A3	IHP-4	4	95	28.2	17	18.1	30	BY DIV. 16	208/3/60	15.5	8.2	1), 2), 3)
OHP-5	TRANE TRUZA018	IHP-5	1.5	95	13.6	17	11	28	BY DIV. 16	208/1/60	20.2	9.2	1), 2), 3), 4)
OHP-6	TRANE TRUZA018	IHP-6	1.5	95	13.6	17	11	28	BY DIV. 16	208/1/60	20.2	9.2	1), 2), 3), 4)

REMARKS:

- 1) INSTALL UNIT ON AND ANCHOR TO CONCRETE PAD. COORDINATE EXACT LOCATION WITH OTHER DISCIPLINES.
- 2) OUTDOOR HEAT PUMP MATCHED TO INDOOR AC UNIT.
- 3) REFRIGERANT TYPE: R-454B
- 4) POWER FOR INDOOR UNIT IS FED FROM THIS UNIT.

POWER VENTILATOR SCHEDULE

EQUIPMENT NO.	MANUFACTURER/ MODEL NO.	SERVICE	CFM	E.S.P. (IN. W.C.)	RPM	MAX. SONES	DISCONNECT	ELECTRICAL MOTOR STARTER	WATTS	LOCATION	TYPE	DRIVE	VIBRATION TYPE	ISOLATION DEFL. (IN.)	BASE	WGT (LBS.)	REMARKS
EF-1	COOK GC-542	108 -- MEN'S RESTROOM	210	.25	1100	2.0	BY DIV. 16	BY DIV. 15	74	115/1/60	CEILING	CENTRIFUGAL	ECM	2	0.5	A	30 1), 2)
EF-2	COOK GC-542	123 -- WOMEN'S RESTROOM	210	.25	1100	2.0	BY DIV. 16	BY DIV. 15	74	115/1/60	CEILING	CENTRIFUGAL	ECM	2	0.5	A	30 1), 2)
EF-3	COOK GC-128	104 -- JANITOR	50	.25	673	1.0	BY DIV. 16	BY DIV. 15	25	115/1/60	CEILING	CENTRIFUGAL	ECM	2	0.5	A	15 1), 2)
EF-4	COOK GC-168	117 -- WASHROOM	100	.33	842	2.0	BY DIV. 16	BY DIV. 15	39	115/1/60	CEILING	CENTRIFUGAL	ECM	2	0.5	A	15 1), 2), 3)
EF-5	COOK GC-186	118 -- RESTROOM	120	.33	897	2.0	BY DIV. 16	BY DIV. 15	58	115/1/60	CEILING	CENTRIFUGAL	ECM	2	0.5	A	15 1), 2), 3)
EF-6	COOK GC-168	126 -- RESTROOM	120	.33	897	2.0	BY DIV. 16	BY DIV. 15	58	115/1/60	CEILING	CENTRIFUGAL	ECM	2	0.5	A	15 1), 2)

REMARKS:

- 1) PROVIDE MANUFACTURER'S FAN SPEED CONTROLLER, BACKDRAFT DAMPER, AND VIBRATION ISOLATORS.
- 2) INTERLOCK WITH LOCAL LIGHTING CONTROLS.
- 3) FAN SHALL BE ON EMERGENCY POWER.

KITCHEN RANGE HOOD

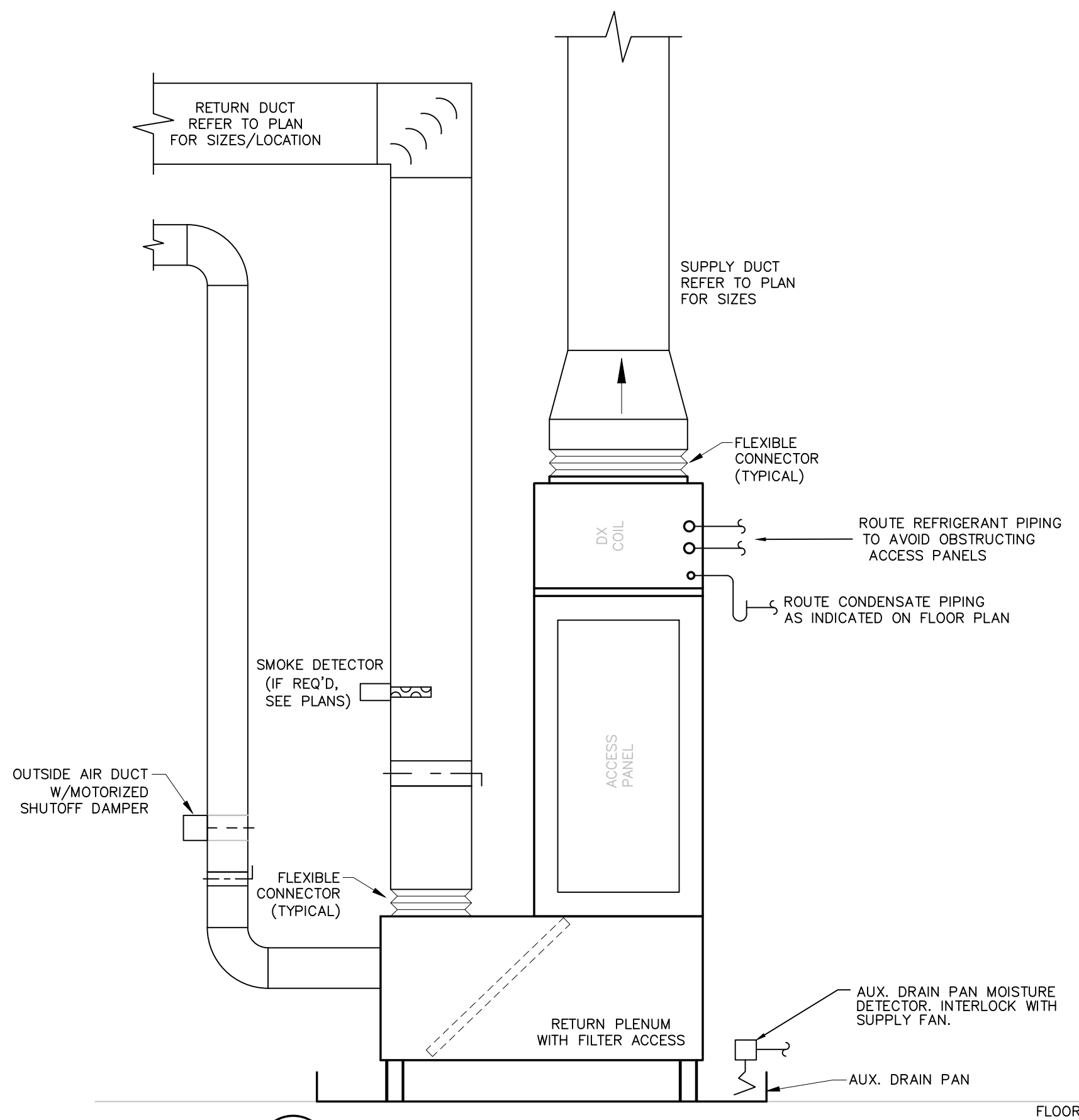
EQUIPMENT NO.	MANUFACTURER/ MODEL NO.	TYPE	CFM	ELECTRICAL		HOOD DIMENSION			REMARKS
				AMPS	MOTOR VOLTS/PH./HZ.	LENGTH (IN.)	WIDTH (IN.)	HEIGHT (IN.)	
KEH-1	BROAN 40000 SERIES	VERTICAL DISCHARGE	140	2	120/1/60	30	17.5	6	1)

REMARKS:

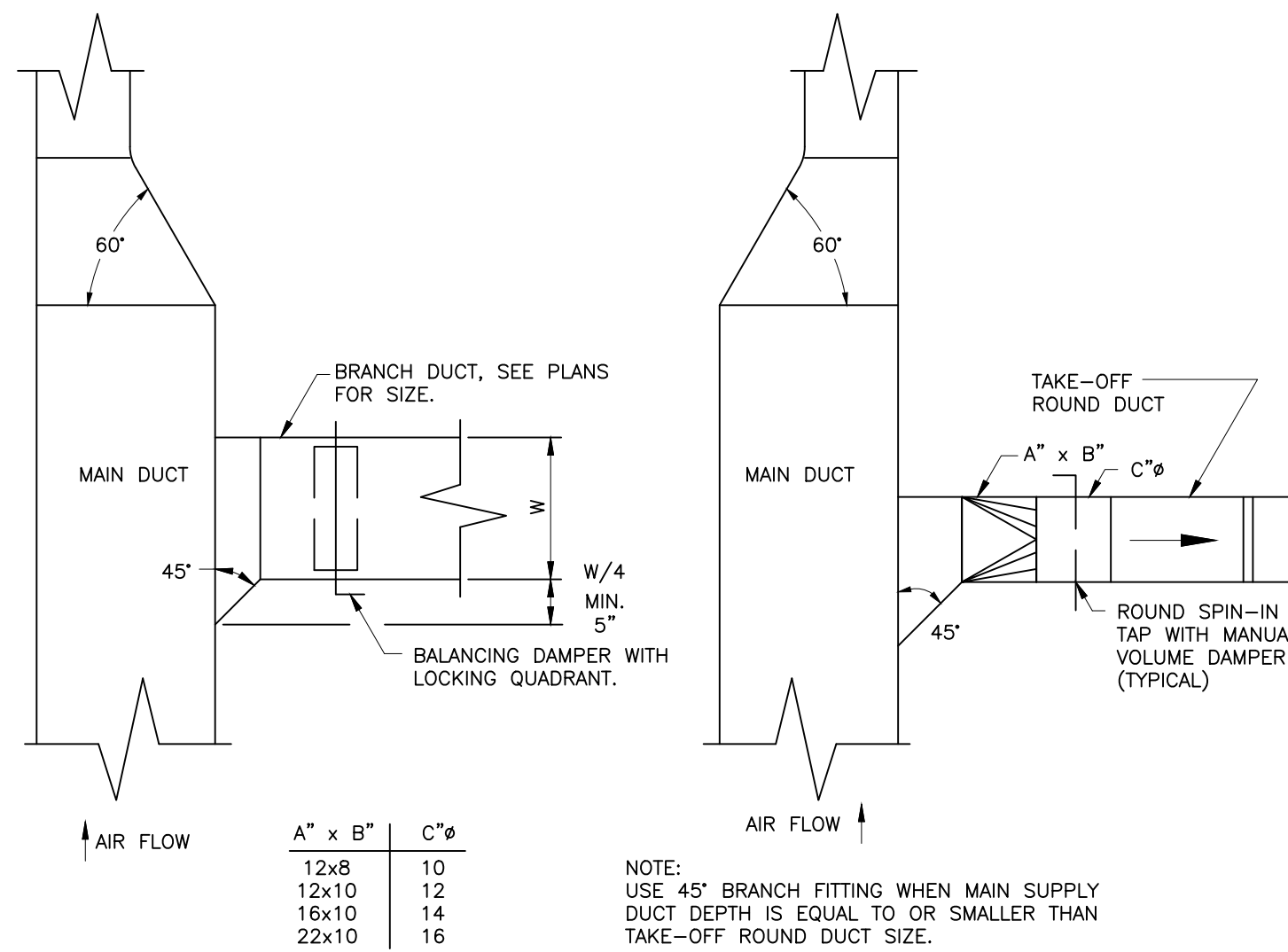
- 1) PROVIDE WITH CANISTER TYPE SUPPRESSION SYSTEM EQUAL TO AUTO-OUT AOV-1V.

OUTSIDE AIR AND VENTILATION CALCULATIONS

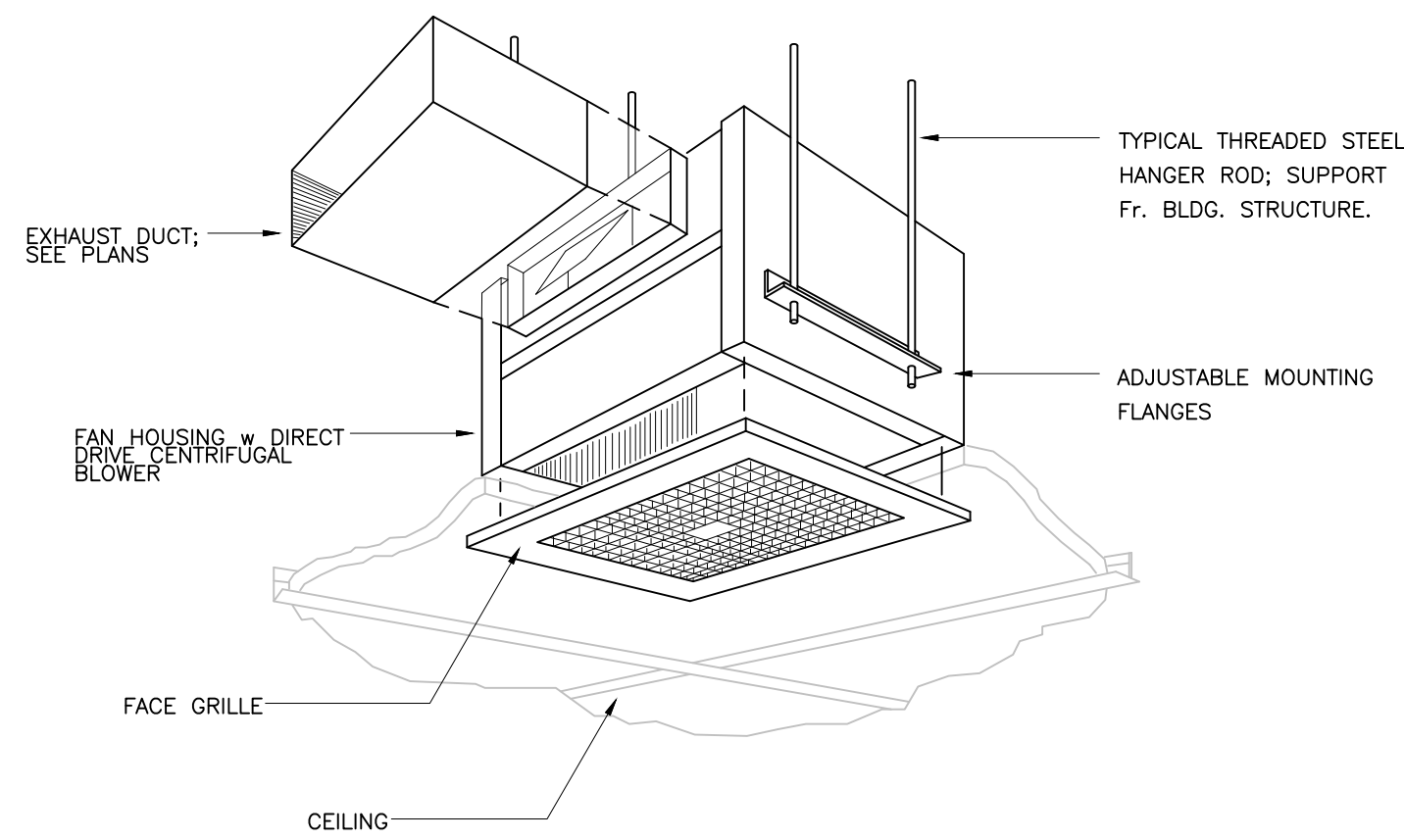
Space Name	Area (sq. ft)	Occupancy Classification	Occupants R/p	OSA RATE (cfm / sq. ft)	OSA RATE (cfm/person)	OSA (cfm) Vuz	Zone Effectiveness Ez	OSA (cfm) Vuz	Fixtures	EXH RATE (cfm/fixture)	EXHAUST REQUIRED CFM	EXHAUST PROVIDED CFM	Remarks
100 - LOBBY	100	Lobbies	1	0.06	5	11	0.8	14					
125 - CORRIDOR	334	Corridors	0	0.06	0	20	0.8	25					
123 - WOMEN'S RESTROOM	244	Toilet rooms	0	0	0	0	0.8	0	3	70	210	210	Exhaust Provided by EF-2.
124 - DEP. DRCTR. OFFICE	228	Office Space	1	0.06	5	19	0.8	23					
127 - DIRECTOR OFFICE	228	Office Space	1	0.06	5	19	0.8	23					
126 - RESTROOM	86	Toilet rooms	0	0	0	0	0.8	0					
128 - COPY ROOM	68	Office Space	1	0.06	5	9	0.8	11					
	1288		4			77		97					OSA Provided by IHP-1: 100 CFM
102 - MEDIA ROOM	204	Media Center	2	0.12	10	44	0.8	56					
101 - CORRIDOR	328	Corridors	0	0.06	0	20	0.8	25					
103 - OFFICE	156	Office Space	1	0.06	5	14	0.8	18					
105 - OFFICE	156	Office Space	1	0.06	5	14	0.8	18					
108 - MEN'S RESTROOM	241	Toilet rooms	0	0	0	0	0.8	0	3	70	210	210	Exhaust Provided by EF-1.
100 - LOBBY	100	Lobbies	1	0.06	5	11	0.8	14					
104 - JAN	39	Janitor's Closet	0	0	0	0	0.8	0		1	39	50	Exhaust Provided by EF-3.
	1224		5			104		130					OSA Provided by IHP-2: 140 CFM
114 - EOC	1408	Office Space	34	0.06	5	254	1.0	254					
	1408		34			254		254					OSA Provided by IHP-3: 260 CFM
111 - DISPATCH	141	Office Space	2	0.06	5	18	0.8	23					
112 - OFFICE	109	Office Space	1	0.06	5	12	0.8	14					
113 - BREAKROOM	164	Breakroom	1	0.06	0	10	0.8	12					
117 - WASHROOM	85	Janitor's Closet	0	0	0	0	0.8	0		1.0	85	100	Exhaust Provided by EF-4.
118 - RESTROOM	63	Toilet rooms	0	0	0	0	0.8	0	2	70/50	120	120	Exhaust Provided by EF-5.
119 - BUNKROOM	156	Living Quarters	2	0.06	5	19	0.8	24					
120 - CORRIDOR	306	Corridors	0	0.06	0	18	0.8	23					
115 - CONF. ROOM	263	Conference rooms	10	0.06	5	66	0.8	82					
116 - BREAK OUT ROOM	120	Conference rooms	4	0.06	5	27	0.8	34					
	1407		20			171		213				220	OSA Provided by IHP-4: 225 CFM



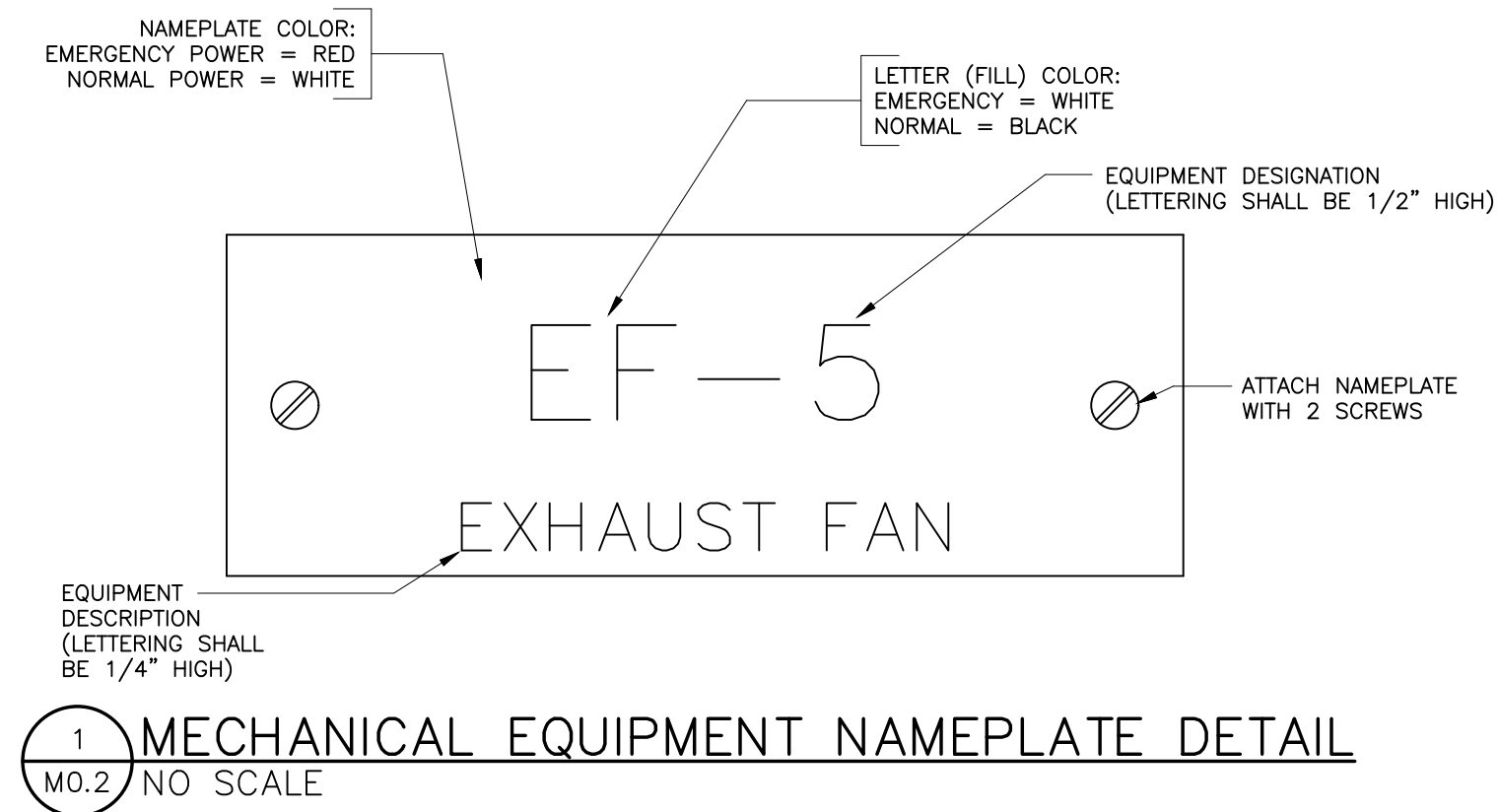
7 INDOOR HEAT PUMP UNIT DETAIL
M0.2 TYP. FOR IHP-2, IHP-3, & IHP-4
NO SCALE



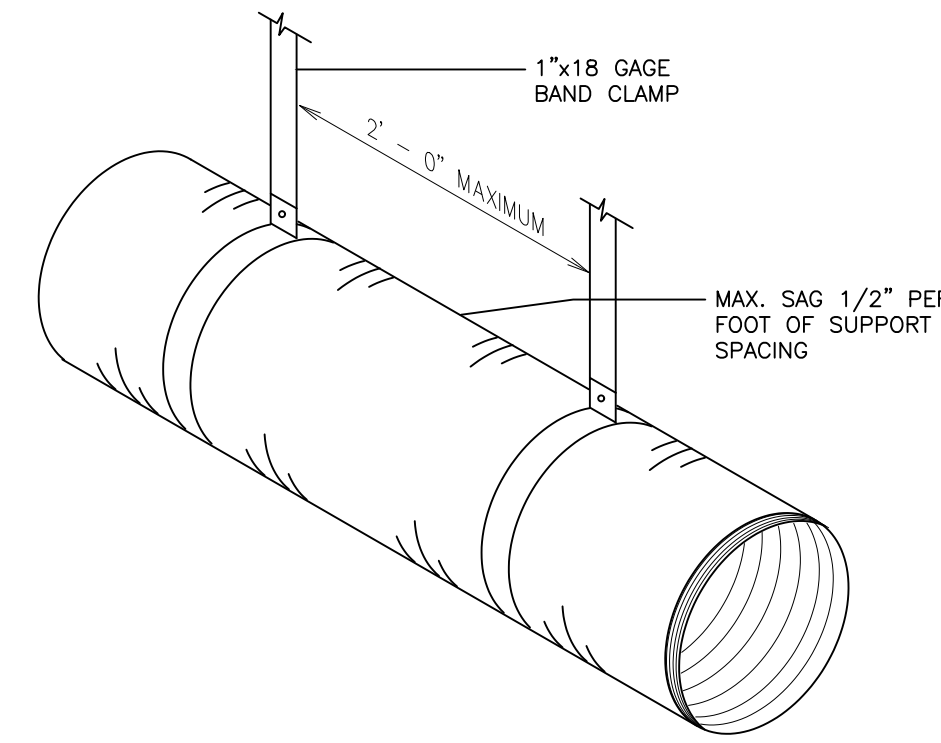
5 TYPICAL DUCT TAKEOFF DETAIL
M0.2 NO SCALE



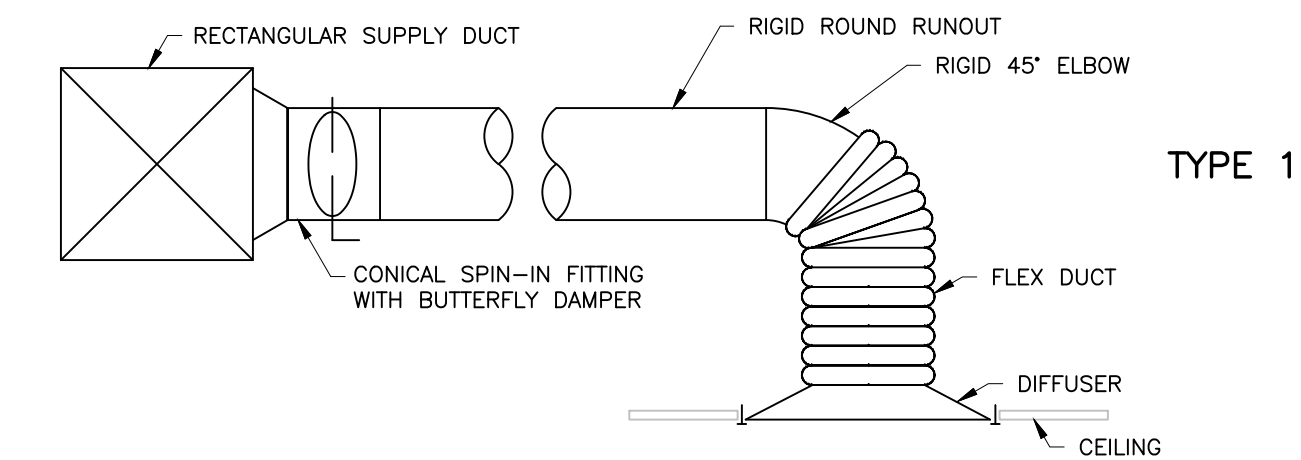
6 EXHAUST FAN INSTALLATION DETAIL(CEILING)
M0.2 NO SCALE



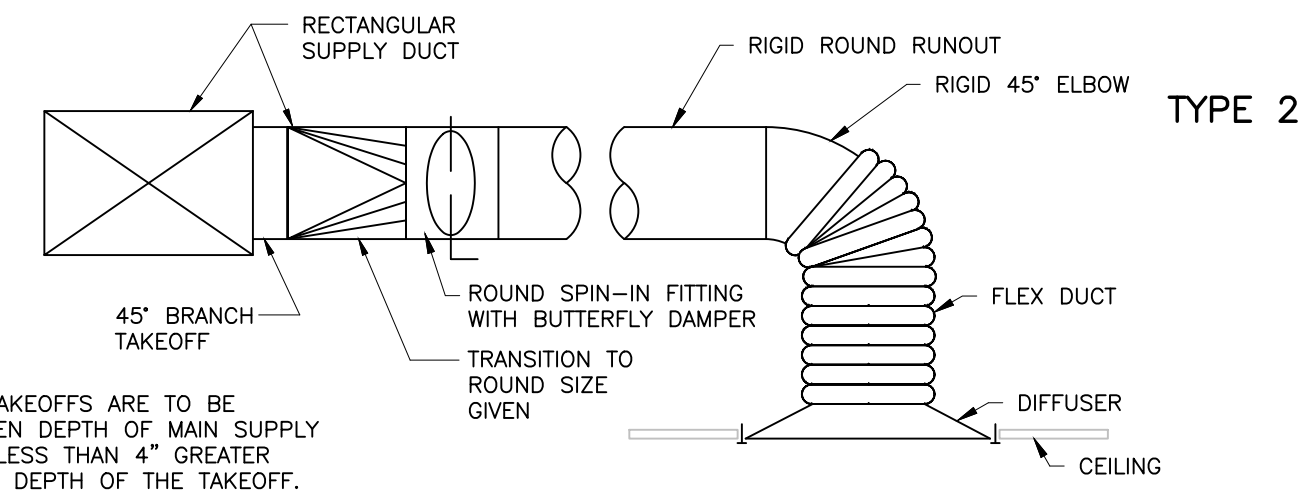
1 MECHANICAL EQUIPMENT NAMEPLATE DETAIL
M0.2 NO SCALE



2 FLEXIBLE DUCT SUPPORT DETAIL
M0.2 NO SCALE



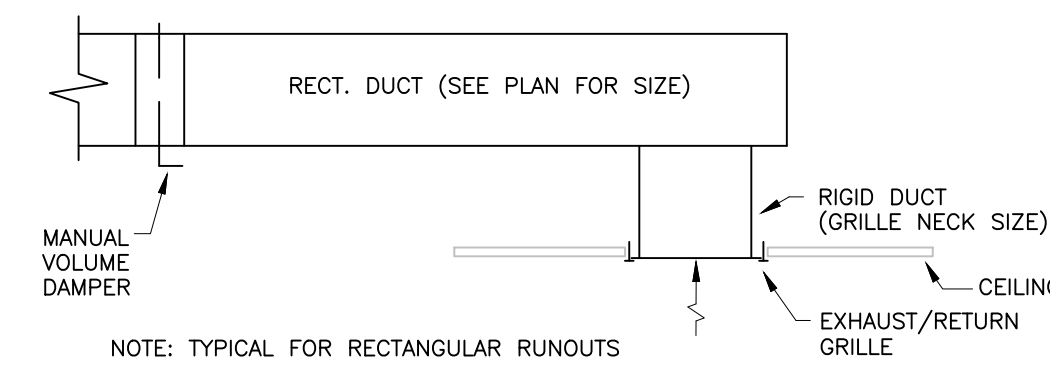
TYPE 1



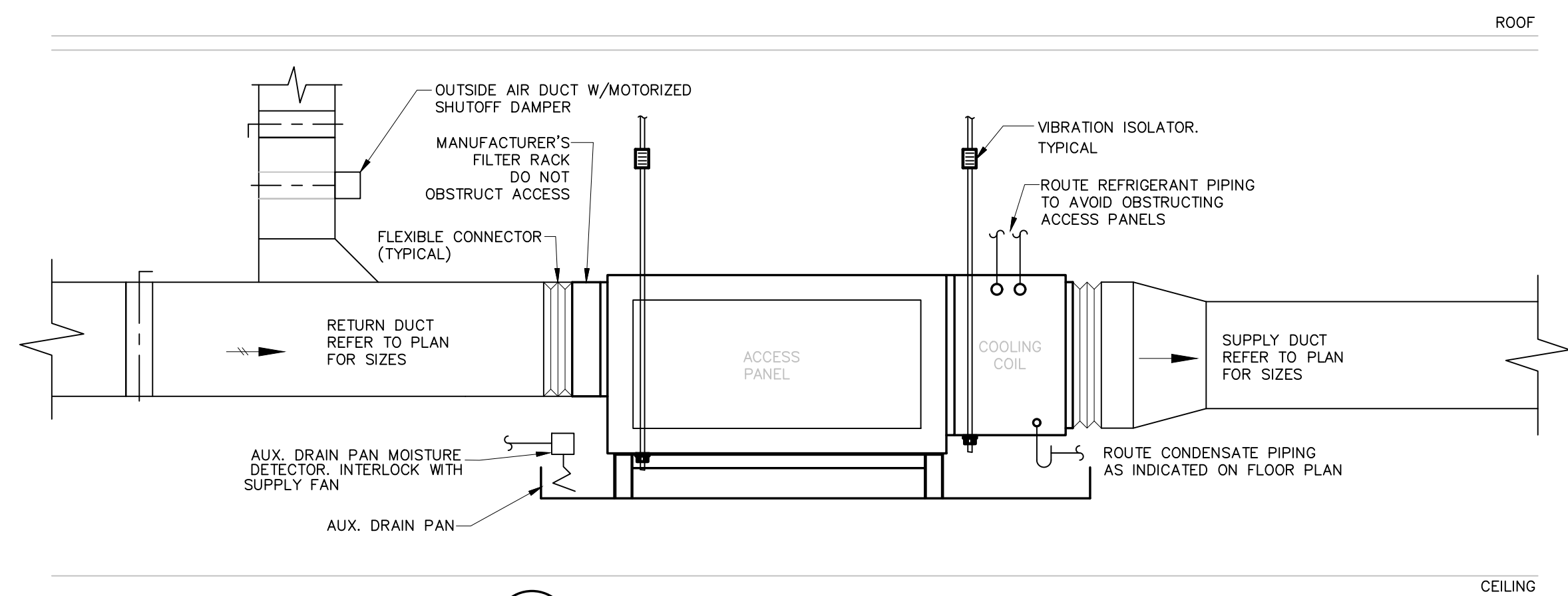
TYPE 2

NOTE: TYPE 2 TAKEOFFS ARE TO BE USED WHEN DEPTH OF MAIN SUPPLY DUCT IS LESS THAN 4" GREATER THAN THE DEPTH OF THE TAKEOFF.

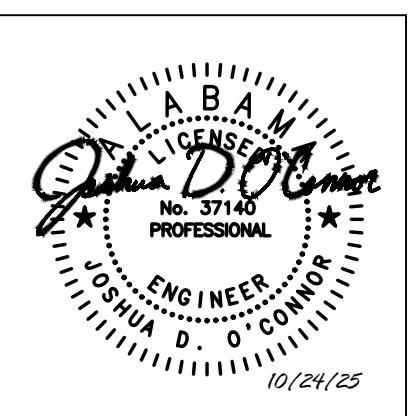
3 TYPICAL DIFFUSER RUN-OUT DETAIL
M0.2 NO SCALE

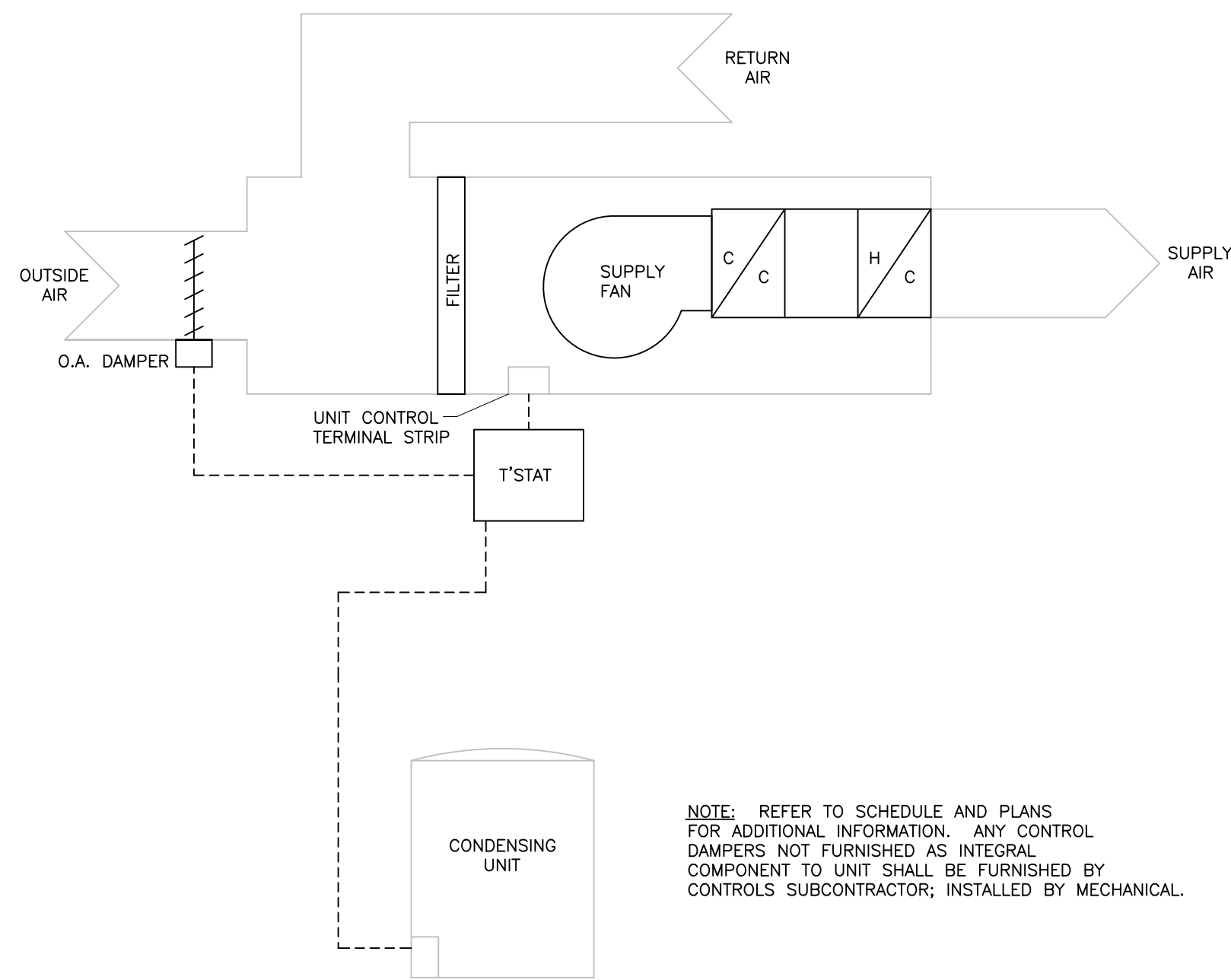


4 TYPICAL RETURN AND EXHAUST RUN-OUT DETAIL
M0.2 NO SCALE

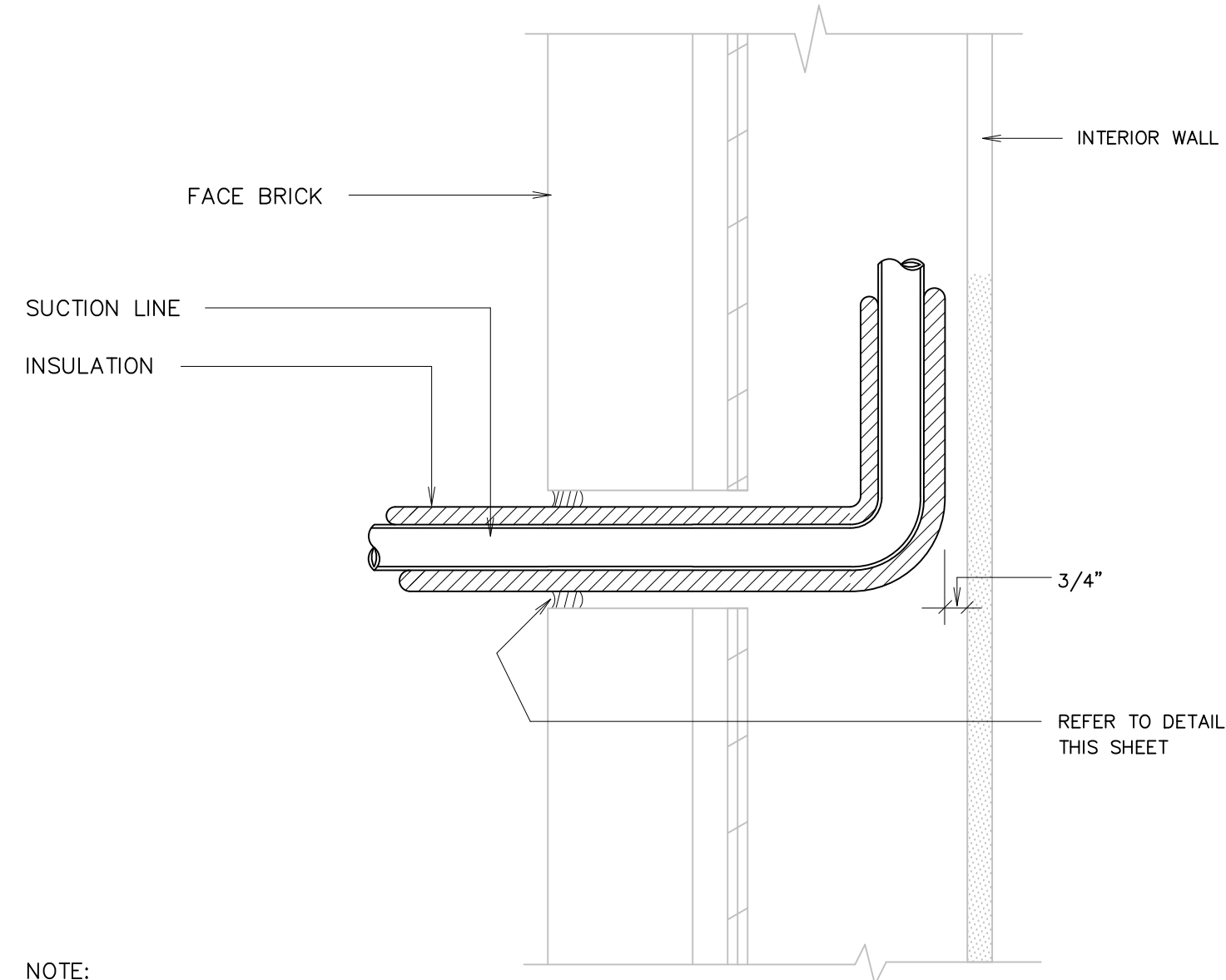


8 INDOOR HEAT PUMP UNIT DETAIL
M0.2 FOR IHP-1
NO SCALE



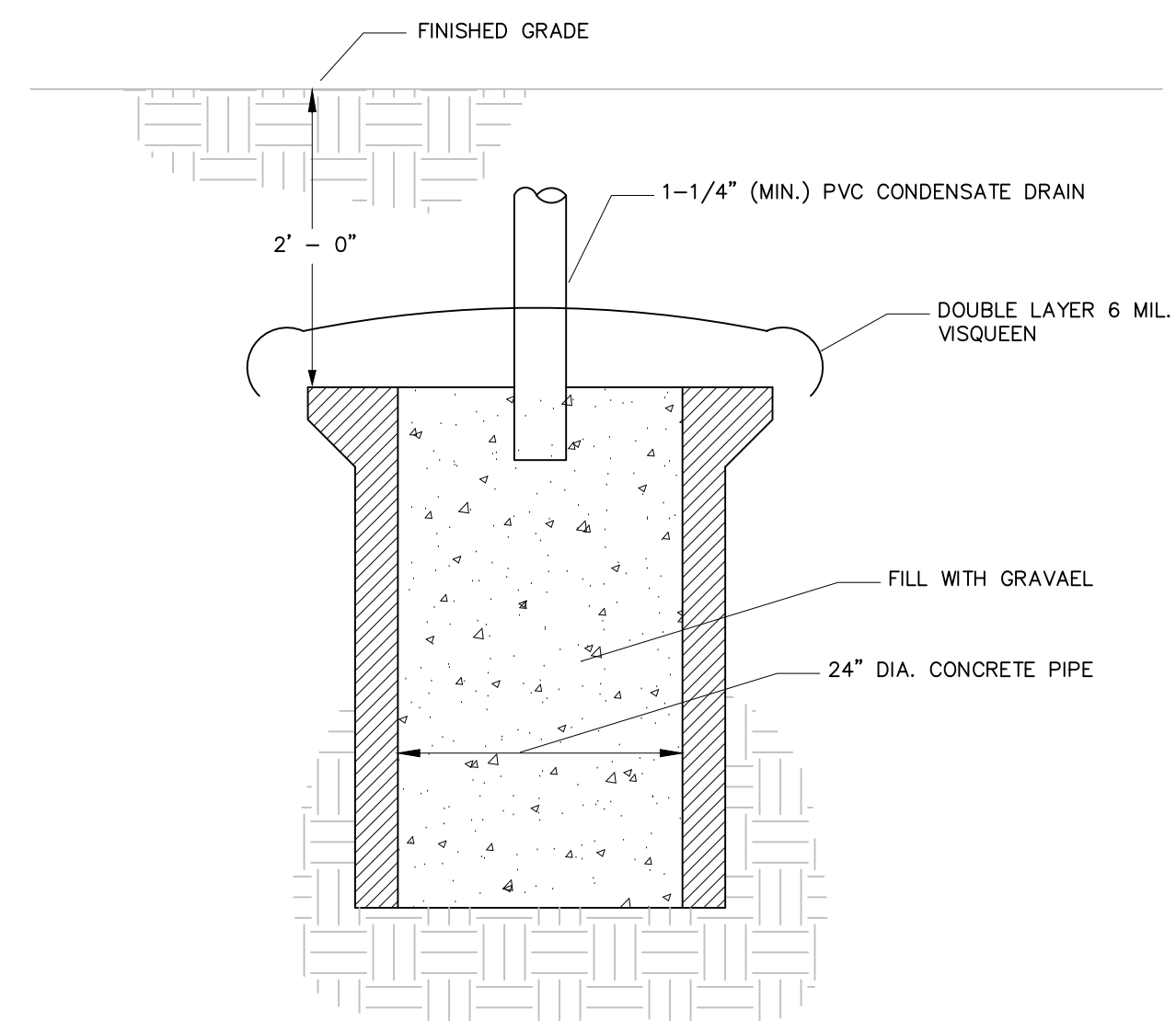


6 HVAC CONTROL DIAGRAM
M0.3 TYPICAL OF IHP-1 & IHP-2
NO SCALE

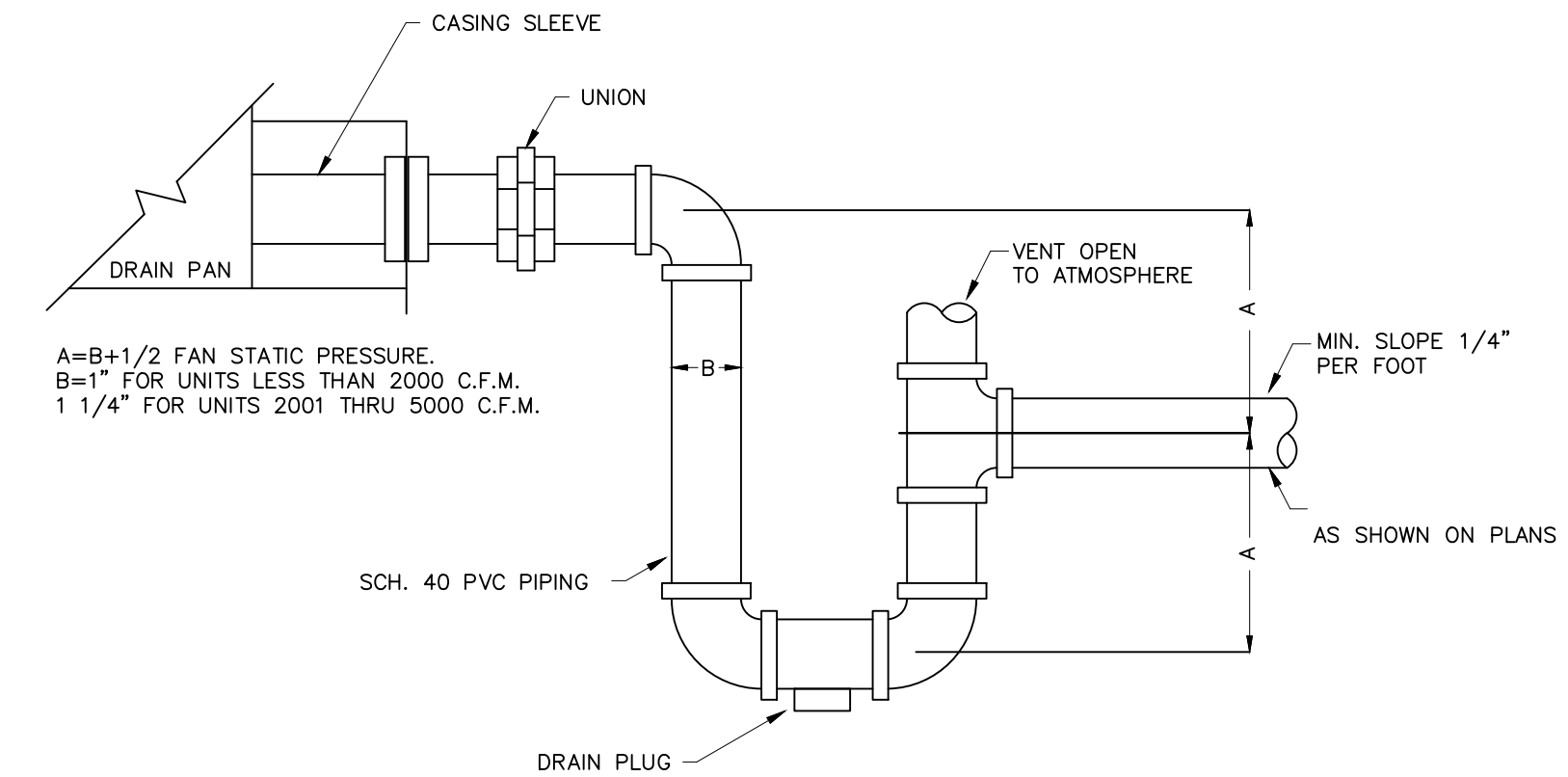


NOTE:
LIQUID LINE SIMILAR

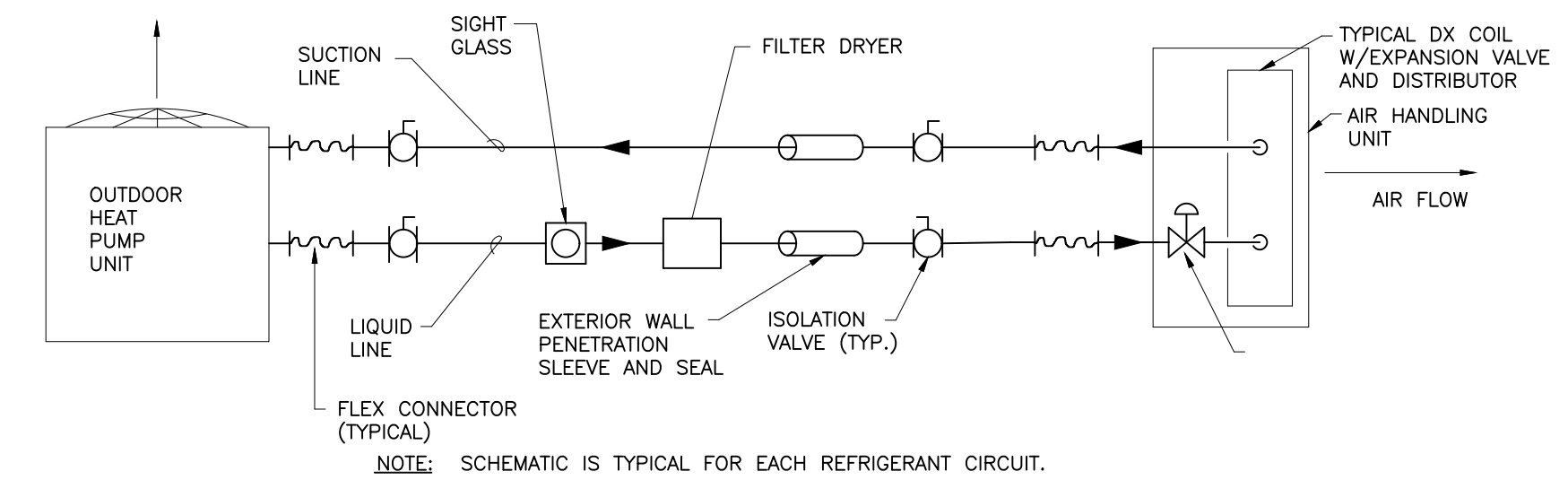
4 REFRIGERANT PIPE AT WALL PENETRATION
M0.3 NO SCALE



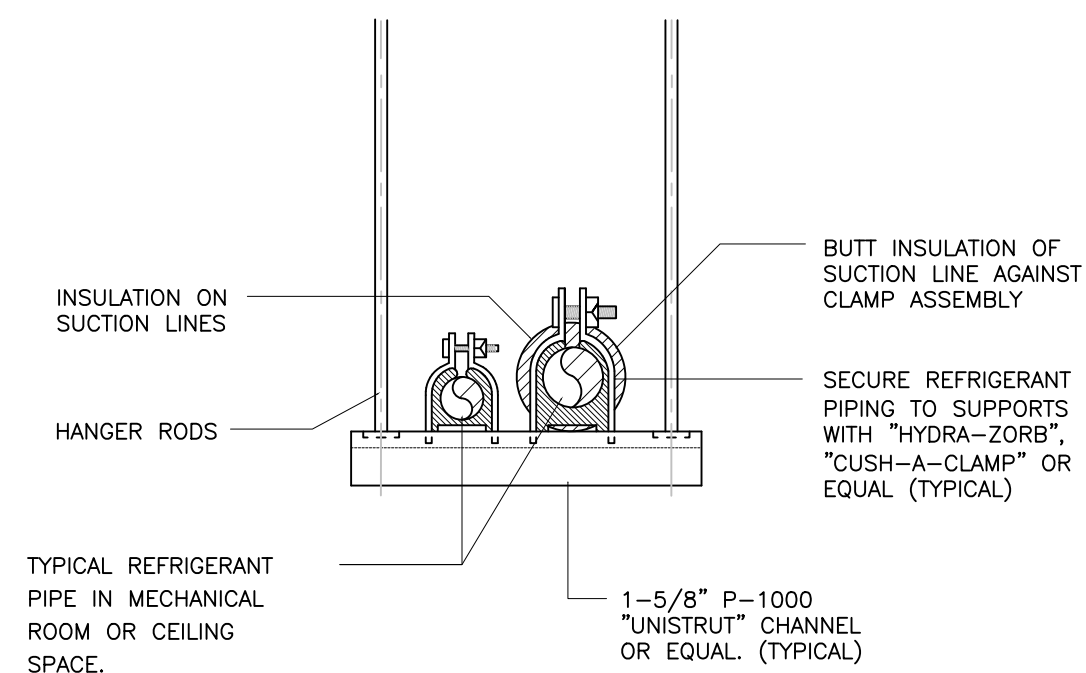
5 CONDENSATE DISPOSAL WELL DETAIL
M0.3 NO SCALE



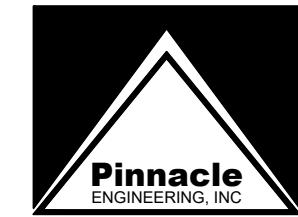
1 CONDENSATE DRAIN TRAP DETAIL
M0.3 NO SCALE



2 REFRIGERANT PIPING DETAIL
M0.3 NO SCALE



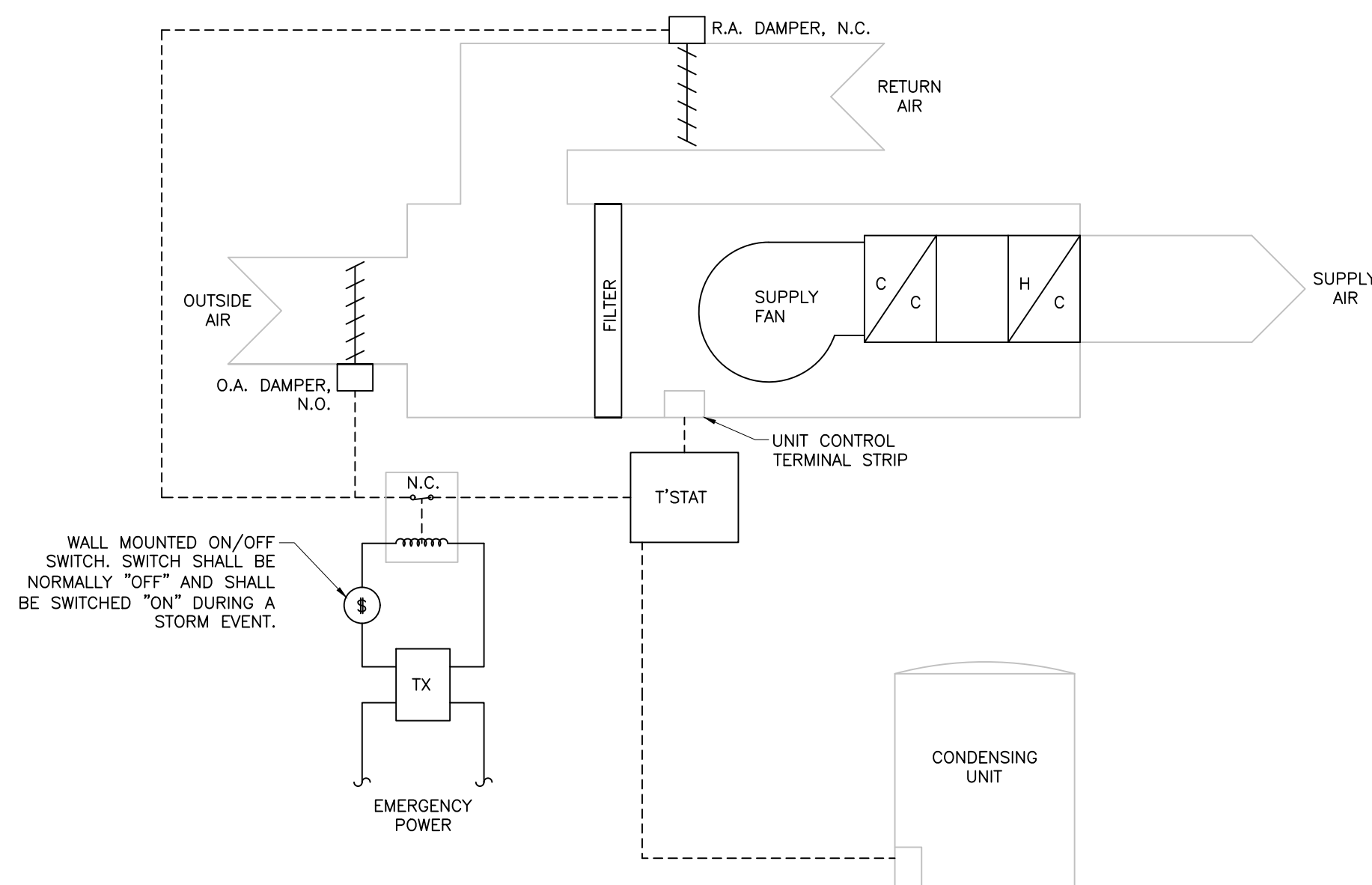
3 REFRIGERANT PIPING SUPPORT DETAIL
M0.3 TYPICAL FOR PIPING SUSPENDED FROM STRUCTURE
NO SCALE



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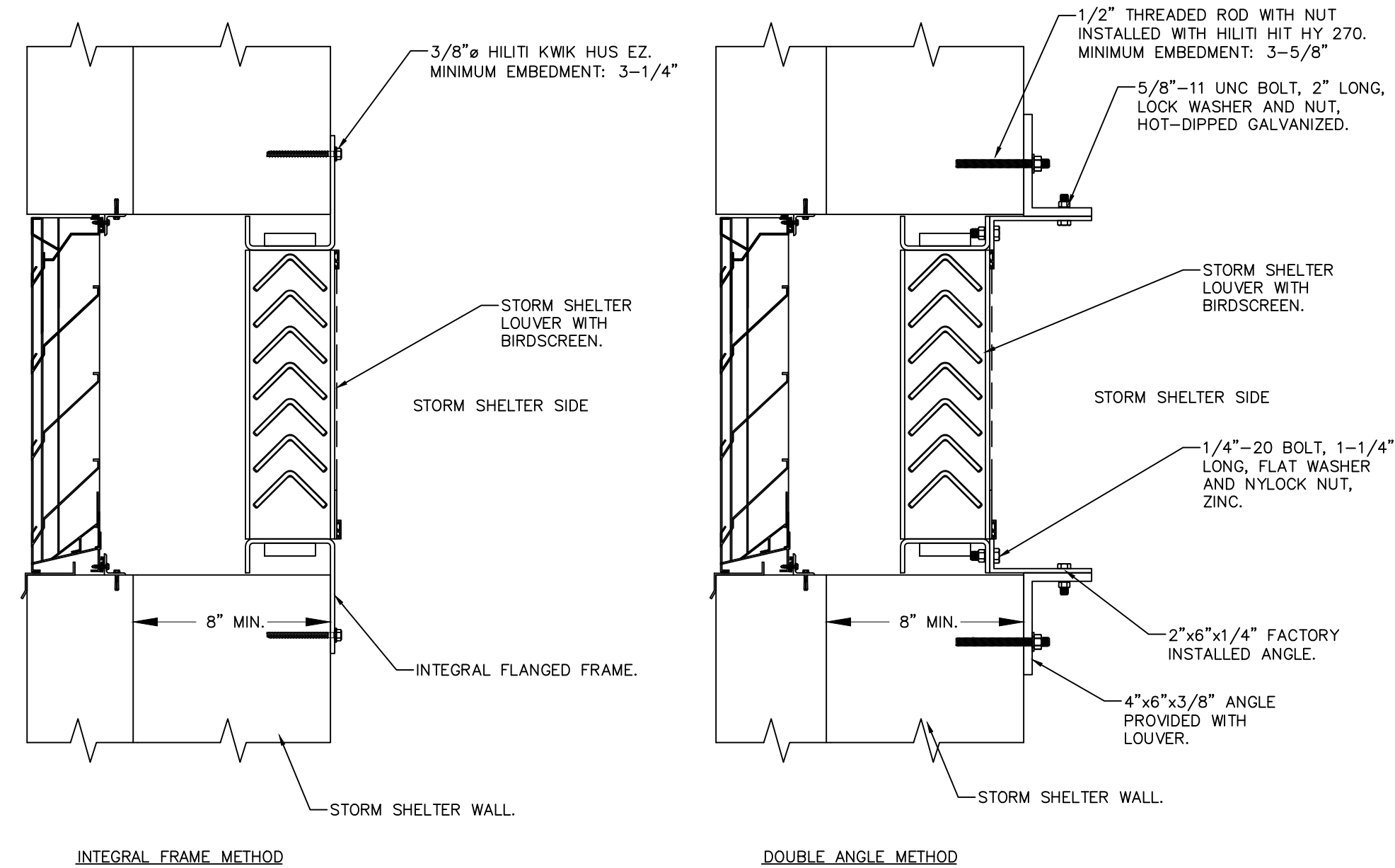


LATHAN
McKEE
ARCHITECTS

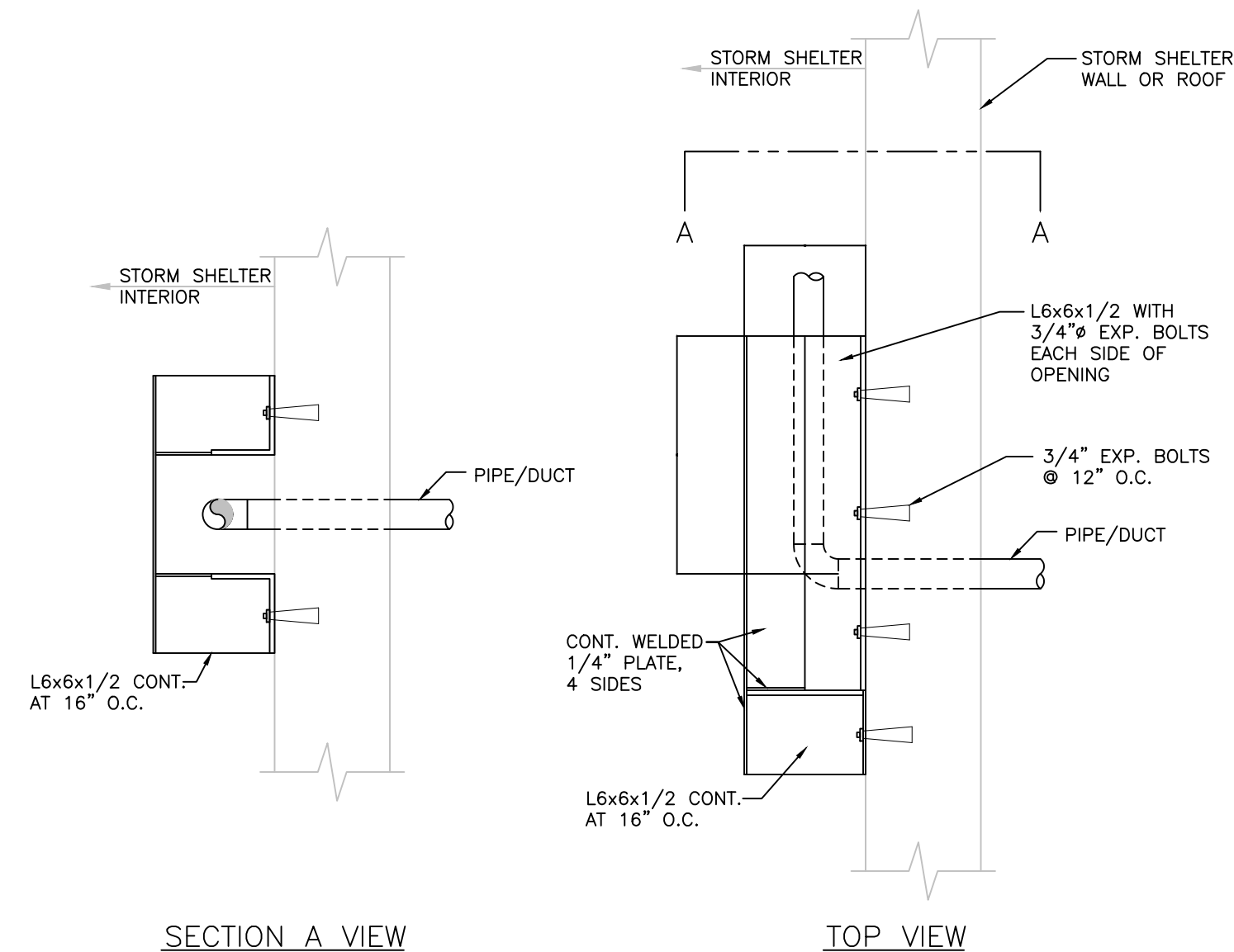


- NOTES:
- 1) DURING NORMAL OPERATION, UNITS SHALL BE CONTROLLED BY SPACE THERMOSTAT. FAN SHALL OPERATE CONTINUOUSLY DURING OCCUPIED MODE AND INTERMITTENTLY DURING UNOCCUPIED MODE. HEATING AND COOLING OPERATION SHALL BE CONTROLLED BY THERMOSTAT. OUTSIDE AIR DAMPER SHALL BE OPENED TO A MINIMUM POSITION DURING OCCUPIED HOURS, AND SHALL BE CLOSED DURING UNOCCUPIED MODE. RETURN AIR DAMPER SHALL BE OPEN.
 - 2) DURING A STORM EVENT AND LOSS OF GENERATOR POWER (OPERATING ON INVERTER POWER ONLY). THE WALL MOUNTED SWITCH SHALL BE SWITCHED "ON". THE OUTSIDE AIR DAMPER SHALL BE FULLY OPEN, AND THE RETURN AIR DAMPER SHALL BE FULLY CLOSED. THE FAN SHALL BE SET TO RUN CONTINUOUSLY.

5 HVAC CONTROL DIAGRAM
M0.3 TYPICAL OF IHP-3 & IHP-4
NO SCALE



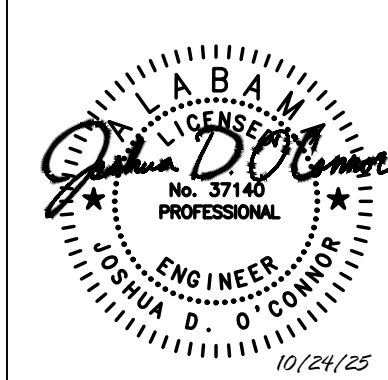
1 STORM SHELTER LOUVER DETAIL
M0.4 NO SCALE



2 STORM SHELTER PENETRATION DETAIL
M0.4 NO SCALE

NEW EMA CENTER FOR
RUSSELL COUNTY, ALABAMA
5TH STREET SOUTH, PHENIX CITY AL 36869
RUSSELL COUNTY COMMISSION

SHEET TITLE:
MECHANICAL DETAILS



PROJ. MGR.: J. O'CONNOR

DRAWN: —

DATE: 10/24/2025

REVISIONS

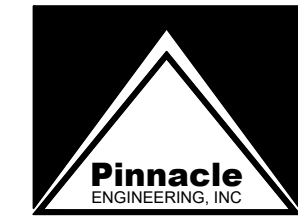
JOB NO. 25-13

SHEET NO:

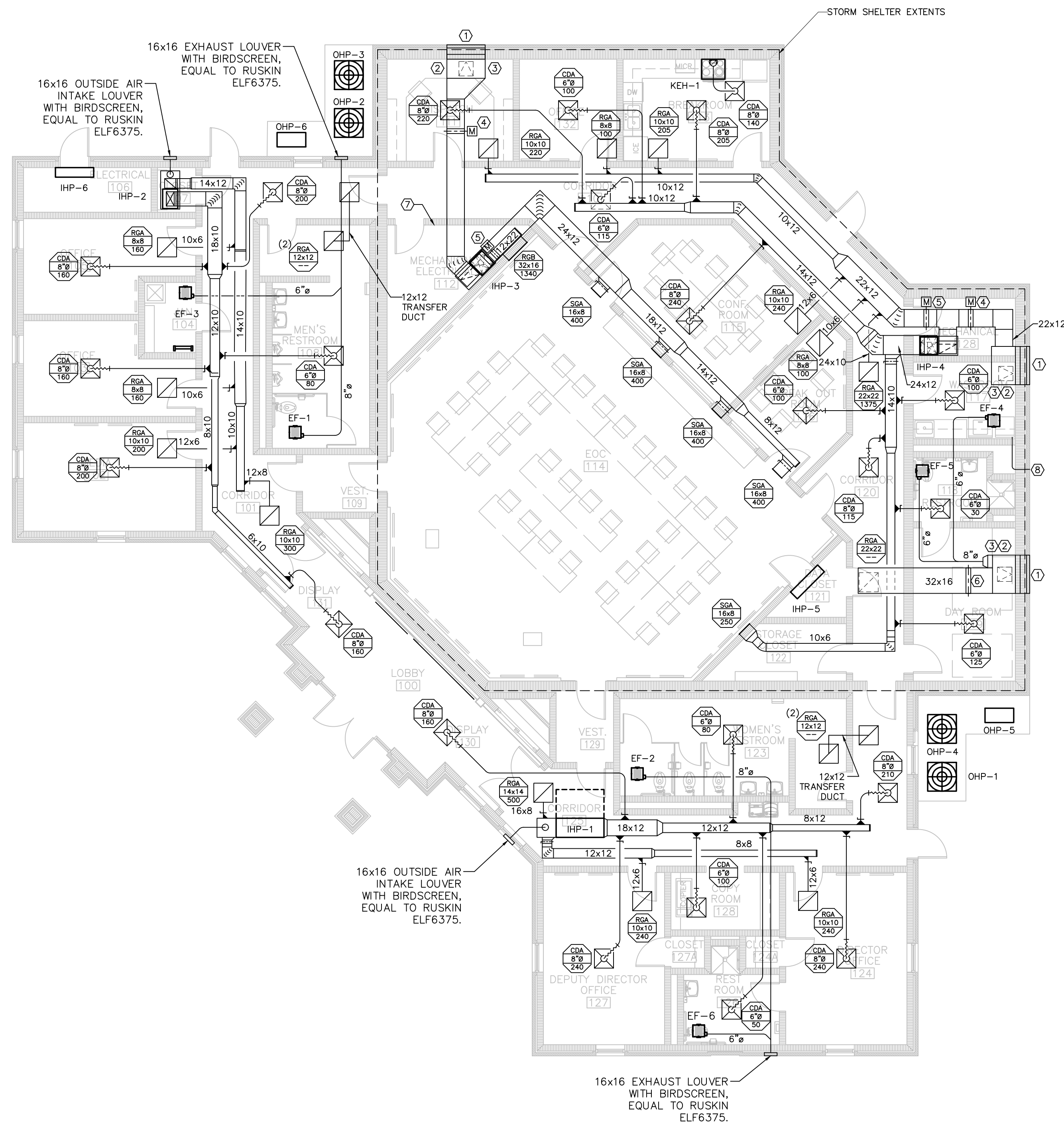
M0.4

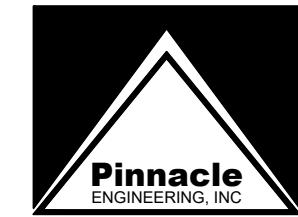
4 OF 6

0 1" 2"



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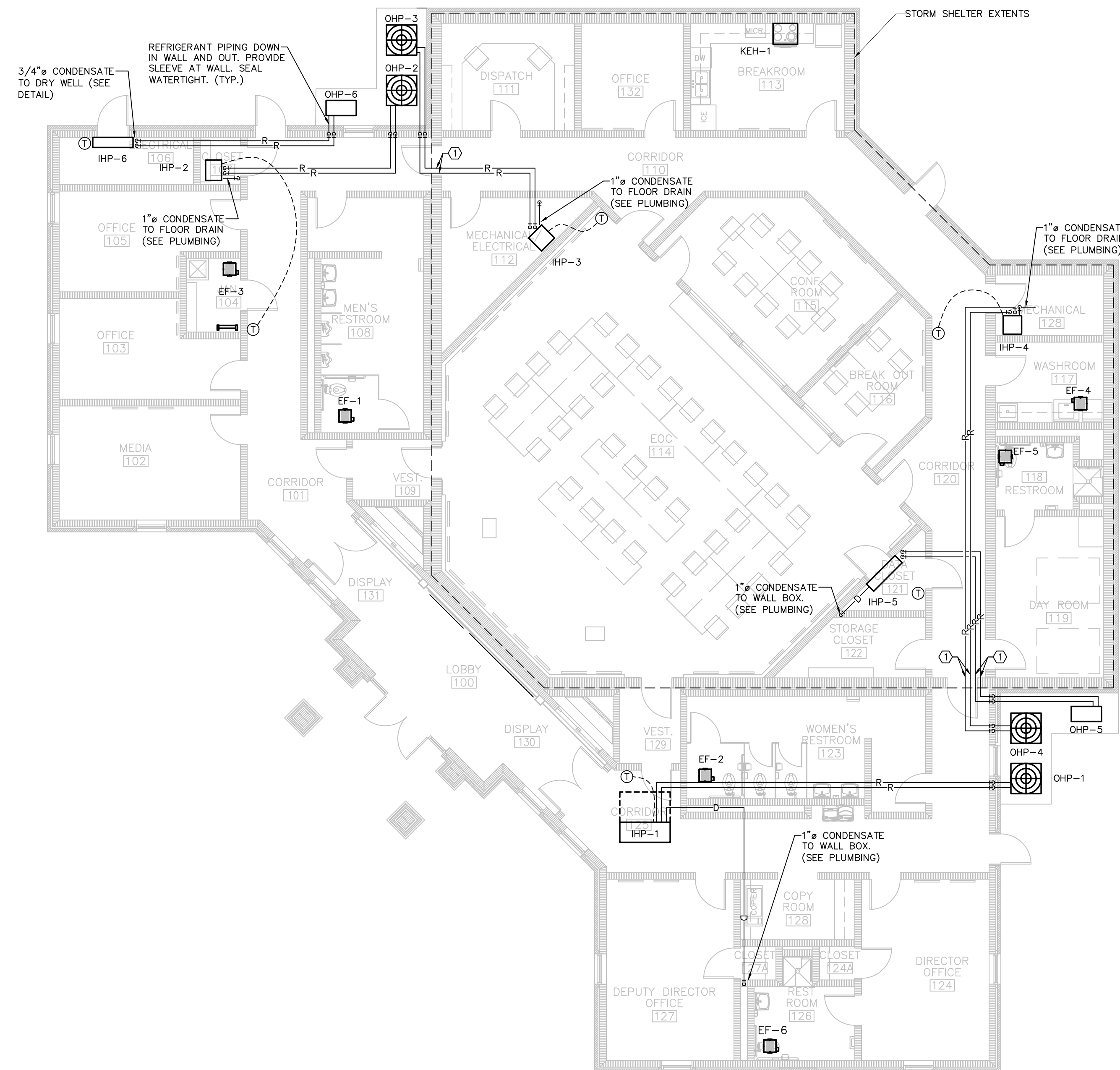




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McKEE
ARCHITECTS

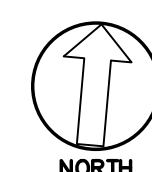


GENERAL NOTES:

1. VERIFY EXISTING CONDITIONS IN FIELD PRIOR TO BEGINNING WORK.
2. SPACE ABOVE CEILING IS LIMITED. CAREFUL COORDINATION WITH LIGHTING, ELECTRICAL, PLUMBING, STRUCTURAL, AND ARCHITECTURAL WORK IS CRITICAL TO DUCTWORK AND PIPING INSTALLATION.
3. PROVIDE NECESSARY OFFSETS IN PIPING, ELECTRICAL CONDUIT, AND DUCTWORK AS REQUIRED TO ACCOMMODATE NEW WORK. DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW ALL DETAILS NOR CHANGES IN DUCTWORK AND PIPING ELEVATIONS NECESSARY FOR COMPLETE INSTALLATION.
4. COORDINATE EXACT SIZE, LOCATION, AND COLOR OF WALL MOUNTED LOUVERS WITH ARCHITECT PRIOR TO ORDERING.
5. MOUNT TEMPERATURE CONTROLS 48" ABOVE FINISHED FLOOR. COORDINATE EXACT LOCATION WITH ARCHITECT.
6. PROVIDE AUXILIARY CONDENSATE DRAIN PAN, SUSPENDED FROM STRUCTURE (WHERE APPLICABLE BELOW AHU). PANS SHALL BE 14 GA. GALVANIZED STEEL WELDED CONSTRUCTION, 2" DEEP, EXTENDING 3" BEYOND THE PERIMETER OF THE UNIT.
7. COORDINATION SHOP DRAWINGS SHALL BE PREPARED FOR THE ENTIRE PROJECT DRAWN TO 1/4" = 1'-0" SCALE (MINIMUM). DRAWINGS SHALL BE FULLY DIMENSIONED, INCLUDING ELEVATIONS OF DUCTWORK AND PIPING SHOWING CEILING GRIDS, LIGHTING LAYOUT, PIPING UNDER OTHER DIVISIONS, CABLE TRAYS, AND MAJOR ELECTRICAL CONDUIT (2 INCHES IN DIAMETER AND LARGER).

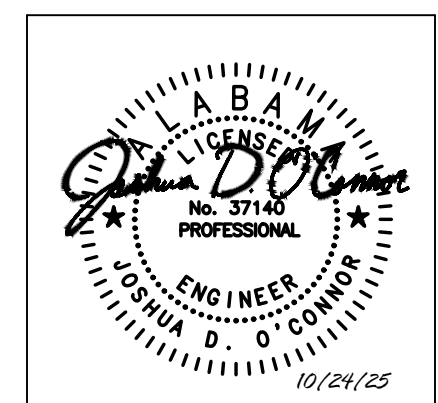
DRAWING NOTES:

1. ROUTE PIPING THRU SHELTER WALL. PENETRATIONS THRU SHELTER WALL TO BE CORE DRILLED. FILL ANNULAR SPACE AROUND PIPE WITH FIRE CAULKING. PENETRATIONS LARGER THAN 2-1/2" SHALL BE PROTECTED. REFER TO DETAIL ON SHEET M0.4. SHELTER PENETRATIONS SHALL COMPLY WITH ICC500 - 2020.



FLOOR PLAN
MECHANICAL - PIPING
0 2 4 6 8 16
GRAPHIC SCALE (FEET)

SHEET TITLE:
MECHANICAL PIPING PLAN



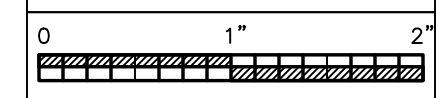
PROJ. MGR.: J. O'CONNOR
DRAWN: —
DATE: 10/24/2025
REVISIONS

JOB NO. 25-13

SHEET NO:

M1.2

6 OF 6



LIGHTING FIXTURE SCHEDULE

MARK	MANUFACTURER	CATALOG NO.	LAMPS			MOUNTING HEIGHT	TYPE MOUNTING	RECESS DEPTH	REMARKS
			NO.	WATTS	TYPE				
A	METALUX	22CGT4535C	FURNISHED WITH FIXTURE			CEILING	RECESSED	2-1/8"	
A (EM)	METALUX	22CGT4535C-EL14W	FURNISHED WITH FIXTURE			CEILING	RECESSED	2-1/8"	SEE NOTE 1
B	METALUX	24CGT4535C	FURNISHED WITH FIXTURE			CEILING	RECESSED	2-1/8"	
B (EM)	METALUX	24CGT4535C-EL14W	FURNISHED WITH FIXTURE			CEILING	RECESSED	2-1/8"	SEE NOTE 1
C	PATHWAY LIGHTING	6VLFL2X-3000-35K-DA-6VLEDMO-SCLPF	FURNISHED WITH FIXTURE			CEILING	RECESSED	6"	
C (EM)	PATHWAY LIGHTING	6VLFL2X-3000-35K-DA-6VLEDMO-SCLPF-EM	FURNISHED WITH FIXTURE			CEILING	RECESSED	6"	SEE NOTE 1
D	LUMENWERX	VIA1SP-D-HLO-PH-NA-SW-80CR-X-NA-35K-6FT-UNV-D1-10-M-KCS-2-KA-NA-NA	FURNISHED WITH FIXTURE			VERIFY	PENDANT		ARCHITECT TO SELECT COLOR
F	LUMENWERX	VIA1SP-D-HLO-PH-NA-SW-80CR-X-NA-35K-6FT-UNV-D1-10-M-KCS-2-KA-NA-NA	FURNISHED WITH FIXTURE			CEILING	SURFACE		ARCHITECT TO SELECT COLOR
G	LUMENWERX	VIA1SP-D-HLO-PH-NA-SW-80CR-X-NA-35K-6FT-UNV-D1-10-M-KCS-2-KA-NA-NA	FURNISHED WITH FIXTURE			CEILING	SURFACE		ARCHITECT TO SELECT COLOR
H1	LUMENWERX	VIA1SP-D-HLO-PH-NA-SW-80CR-X-NA-35K-6FT-UNV-D1-10-M-KCS-2-KA-NA-NA	FURNISHED WITH FIXTURE			VERIFY	PENDANT		ARCHITECT TO SELECT COLOR VERIFY LENGTHS
H2	LUMENWERX	VIA1SP-D-HLO-PH-NA-SW-80CR-X-NA-35K-6FT-UNV-D1-10-M-KCS-2-KA-NA-NA	FURNISHED WITH FIXTURE			VERIFY	PENDANT		ARCHITECT TO SELECT COLOR VERIFY LENGTHS
H3	LUMENWERX	VIA1SP-D-HLO-PH-NA-SW-80CR-X-NA-35K-6FT-UNV-D1-10-M-KCS-2-KA-NA-NA	FURNISHED WITH FIXTURE			VERIFY	PENDANT		ARCHITECT TO SELECT COLOR
K	AXIS LIGHTING	WWR-SL-XX-80-35-MAL-X-W-UNV-DP-1-X	FURNISHED WITH FIXTURE			CEILING	RECESSED	4"	ARCHITECT TO SELECT COLOR
L1	LUMENWERX	VIA1SP-D-HLO-PH-NA-SW-80CR-X-NA-35K-6FT-UNV-D1-10-M-KCS-2-KA-NA-NA	FURNISHED WITH FIXTURE			CEILING	RECESSED		ARCHITECT TO SELECT COLOR VERIFY LENGTHS
L2	LUMENWERX	VIA1SP-D-HLO-PH-NA-SW-80CR-X-NA-35K-6FT-UNV-D1-10-M-KCS-2-KA-NA-NA	FURNISHED WITH FIXTURE			CEILING	RECESSED		ARCHITECT TO SELECT COLOR VERIFY LENGTHS
L3	LUMENWERX	VIA1SP-D-HLO-PH-NA-SW-80CR-X-NA-35K-6FT-UNV-D1-10-M-KCS-2-KA-NA-NA	FURNISHED WITH FIXTURE			CEILING	RECESSED		ARCHITECT TO SELECT COLOR VERIFY LENGTHS
M	OMNI	HVR-NEOS-35-HO-XX-EF-H2-HVRNS	FURNISHED WITH FIXTURE			CEILING	COVE		VERIFY LENGTHS
N (EM)	MCGRAW-EDISON	TT-D2-740-U-MQ-XX-F-TR-IBP	FURNISHED WITH FIXTURE			CEILING	SURFACE		SEE NOTE 1
P	NLS LIGHTING	NV-1-T4-64L-1-40K-UNV-ASA-BRONZE	FURNISHED WITH FIXTURE			+35'	POLE		HAPCO POLE SSS3505-4-GC/82351 (1 HEAD) BRONZE
R	MCGRAW-EDISON	ISW-E02-LED-E1-BL4-BZ-TR	FURNISHED WITH FIXTURE			+9'	BRACKET		
R (EM)	MCGRAW-EDISON	ISW-E02-LED-E1-BL4-BZ-TR-BBB	FURNISHED WITH FIXTURE			+9'	BRACKET		SEE NOTE 1
S	HALO	SLD405-8-35-WH-UNV	FURNISHED WITH FIXTURE			CEILING	RECESSED	1.5"	
T	INVUE	VFS-K-B40-7-LED-E1-MSR-DBZ	FURNISHED WITH FIXTURE			GROUND	FLOOD		
U	INVUE	VFS-K-B40-7-LED-E1-WST-DBZ-VFS-BD-DBZ	FURNISHED WITH FIXTURE			GROUND	FLOOD		
V	METALUX	4SNLED-LDA-4600SL-LW-UNV-L835-GD1	FURNISHED WITH FIXTURE			CEILING	BRACKET		
X	SURE-LITES	LPX-7-R	FURNISHED WITH FIXTURE			CEILING	BRACKET		SEE NOTE 1
X1	SURE-LITES	APC-7-R-SQ	FURNISHED WITH FIXTURE			CEILING	BRACKET		SEE NOTE 1

- NOTES:
- FEED ALL "EM" FIXTURES WITH SWITCHED AND UNSWITCHED HOT LEGS. UNSWITCHED HOT LEG IS USED FOR VOLTAGE SENSING.
 - VERIFY ALL FIXTURE COLORS AND MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO SUBMITTALS.
 - EQUAL REQUESTS MUST BE SUBMITTED FOR REVIEW, AND THEN APPROVED BY OWNER.

GENERAL NOTES

- SERVICE TO BUILDING IS 120/208 VOLTS, 3 PHASE, 4 WIRE.
- VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL DRAWINGS BEFORE ROUGHING IN SWITCHES.
- VERIFY EXACT LOCATION OF ALL MOTORS AND EQUIPMENT BEFORE ROUGHING IN.
- CONTRACTOR TO VERIFY LOCATION OF ALL OUTLETS PRIOR TO INSTALLATION.
- THE ELECTRICAL CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF COUNTERTOPS AND BACKSPLASHES ON ARCHITECTURAL DETAILS AND/OR CASEWORK SHOP DRAWINGS AND ADJUST SPECIFIED MOUNTING HEIGHT OF WALL OUTLETS AS REQUIRED TO AVOID CONFLICTS.
- CONTRACTOR WILL CHECK ALL LIGHTING FIXTURES FOR EXACT TYPE MOUNTING AND SPACE REQUIRED BEFORE ROUGHING IN.
- FURNISH AND INSTALL PLASTER FRAMES FOR ALL RECESSED FIXTURES AS REQUIRED.
- SUPPORT OF ALL LIGHTING FIXTURES TO BE THE RESPONSIBILITY OF THIS CONTRACTOR. FIXTURES TO BE SUPPORTED INDEPENDENT OF CEILING FROM STRUCTURAL MEMBERS OF THE BUILDING.
- ELECTRICAL CONTRACTOR MUST CHECK THE CORRESPONDING MECHANICAL SHEETS AND BE RESPONSIBLE FOR INCLUDING PROPER SERVICE AND CONNECTIONS TO ALL MECHANICAL ITEMS SHOWN THEREON REGARDLESS OF ITS BEING OR NOT BEING SHOWN ON ELECTRICAL SHEETS.
- ALL CONDUIT CONCEALED UNLESS SPECIFICALLY SHOWN EXPOSED.
- COORDINATE SERVICES WITH POWER AND COMMUNICATIONS COMPANIES. REMOVE OR RELOCATE ALL POWER AND COMMUNICATIONS CIRCUITS ABOVE OR BELOW GRADE THAT WOULD OBSTRUCT THE CONSTRUCTION OF THE PROJECT OR CONFLICT IN ANY MANNER WITH COMPLETION OF THE PROJECT OR ANY CODE PERTAINING THERETO. IF UTILITY COMPANY REQUIREMENTS ARE AT VARIANCE WITH THESE DRAWINGS AND SPECIFICATIONS, THE CONTRACT PRICE SHALL INCLUDE THE ADDITIONAL COST.
- IT IS INTENDED THAT SPECIFICATIONS AND PLANS SHALL INCLUDE EVERYTHING REQUIRED AND NECESSARY FOR PROPER AND COMPLETE INSTALLATION OF THE COMPLETE SYSTEMS SHOWN EVEN THOUGH EVERY ITEM MAY NOT BE PARTICULARLY MENTIONED IN DETAIL. THE CONTRACTOR SHALL DELIVER TO OTHER TRADES ANY EQUIPMENT THAT MUST BE INSTALLED DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD MEASUREMENTS AND COORDINATION OF THE PHYSICAL SIZE OF ALL EQUIPMENT WITH THE ARCHITECTURAL REQUIREMENTS OF THE SPACES INTO WHICH THE EQUIPMENT WILL BE INSTALLED.
- THIS CONTRACTOR SHALL INSTALL EQUIPMENT GROUNDS THROUGHOUT THIS PROJECT, USING GREEN INSULATED GROUND WIRE. USE OF CONDUIT AS THE ONLY GROUND CONDUCTOR WILL NOT BE ALLOWED. (SIZE GROUND WIRES PER N.E.C.)

ELECTRICAL SYMBOLS



CEILING OUTLET - FIXTURE "A", CIRCUIT 1, SWITCH a.
CEILING OUTLET - FLUORESCENT FIXTURE.
CEILING OUTLET - FLUORESCENT INDUSTRIAL OR STRIP TYPE.
WALL OUTLET - INCANDESCENT BRACKET TYPE.
WALL OUTLET - FLUORESCENT BRACKET TYPE.
WALL OUTLET - DUPLEX OUTLET, 20A, 125V, GROUNDED, PASS & SEYMOUR PT5362A-GRY WITH PT6STR PLUG TAIL CONNECTOR.
WALL OUTLET - DUPLEX OUTLET, 20A, 125V, GROUNDED, PASS & SEYMOUR PT5362A-GRY WITH PT6STR PLUG TAIL CONNECTOR - MOUNT AT 6" ABOVE COUNTER.
WALL OUTLET - DUPLEX OUTLET, 20A, 125V, GROUNDED, PASS & SEYMOUR PT2095-GRY WITH PT6STR PLUG TAIL CONNECTOR.
WALL OUTLET - DUPLEX OUTLET, 20A, 125V, GROUNDED, WEATHERPROOF, PASS & SEYMOUR PT2095-GRY WITH PT6STR PLUG TAIL CONNECTOR. INSTALL #WUC10-CAGV WEATHERPROOF COVER. DEVICE SHALL BE LABELED AS "EXTRA DUTY".
WALL OUTLET - SINGLE OUTLET, 30A, 125/250V, 4W, BY HUBBELL OR APPROVED EQUAL.
WALL OUTLET - SINGLE OUTLET, 50A, 125/250V, 4W, BY HUBBELL OR APPROVED EQUAL.
FLOOR OUTLET - CONDUIT STUB UP.
CEILING OUTLET - JUNCTION BOX.
WALL OUTLET - JUNCTION BOX WITH FLEXIBLE CONNECTION TO EQUIPMENT.
SWITCH OUTLET - AC TYPE, SINGLE POLE, 20A, 120/277V, HUBBELL #1221 - GREY.("N" DENOTES NARROW)
SWITCH OUTLET - FLUORESCENT DIMMER - LUTRON NOVA-T SERIES #NTF-103P.
SWITCH OUTLET - AC TYPE, TWO POLE, 20A, 120/277V, HUBBELL #1222 - GREY.
SWITCH OUTLET - AC TYPE, THREE WAY, 20A, 120/277V, HUBBELL #1223 - GREY.
SWITCH OUTLET - AC TYPE, FOUR WAY, 20A, 120/277V, HUBBELL #1224 - GREY.
SWITCH MANUAL MOTOR STARTER, SINGLE POLE WITH OVERLOAD PROTECTION.
SWITCH OUTLET - AC TYPE, SINGLE POLE, 20A, 120/277V, HUBBELL #12211LC.
LIGHTING PANEL - SEE SPECIFICATIONS AND SCHEDULE.
POWER PANELS - SEE SPECIFICATIONS AND SCHEDULE.
BRANCH CIRCUIT CONCEALED IN WALL OR CEILING.
BRANCH CIRCUIT CONCEALED IN FLOOR OR GROUND.
HOMERUN TO PANELBOARD - ANY CIRCUIT WITHOUT FURTHER DESIGNATION 2 # 12 & 1 # 12(G) - 1/2" CONDUIT.
3 # 12 & 1 # 12(G) - 3/4" CONDUIT.
4 # 12 & 1 # 12(G) - 3/4" CONDUIT.
EMPTY CONDUIT - 3/4".
BRANCH CIRCUIT EXPOSED.
CONDUIT RUN DOWN WALLS, CONCEALED
CONDUIT RUN UP WALLS, CONCEALED
MOTOR SHOWN 5hp (TYPICAL) OR 40 AMPS (TYPICAL).
EXHAUST FAN MOTOR - FRACTIONAL HORSEPOWER.
MAGNETIC MOTOR STARTER.
NON-FUSED DISCONNECT SWITCH. (RT - RAINIGHT).
FUSED DISCONNECT SWITCH.
ABOVE FINISHED FLOOR.
VERIFY LOCATION.
NATIONAL ELECTRICAL CODE.
GROUND FAULT CIRCUIT INTERRUPTER
WEATHER PROOF
ISOLATED GROUND
3/4" EMPTY CONDUIT SLEEVE INSTALLED ABOVE CEILING - WITH BUSHINGS
COMPUTER OUTLET - 3/4" CONDUIT WITH CABLING-SEE SPEC.
COMPUTER OUTLET - 3/4" CONDUIT WITH CABLING-MOUNT 6" ABOVE COUNTER-SEE SPEC.
DATA CONDUIT - BELOW GRADE DATA CONDUIT WITH DATA CABLES (3/4" UNLESS OTHERWISE SPECIFIED)
FUTURE CAMERA LOCATION - CONTRACTOR SHALL SUPPLY AND INSTALL 1 CAT 6 CABLE CONNECTED TO MDF/DF RACK (IN 3/4" CONDUIT WHEN NOT ABOVE CEILING).
CAMERAS WILL BE ADDED BY OWNER IN THE FUTURE. CONTRACTOR SHALL ONLY INSTALL CABLE AND LEAVE AT LOCATION AS REQUIRED.
WALL STATION - COOPER #RC-4TSB-0S3 WITH WALL PLATE
LIGHTING CONTROL PANEL OVERRIDE SWITCH - DIGITA 5-1B
WALL SWITCH WITH BUILT IN MOTION SENSOR - COOPER #OSW-P-0451-W WITH WALL PLATE
FLOOR BOX - COMBINATION EMPTY / DATA / POWER OUTLET. PROVIDE WITH TWO DUPLEX OUTLETS AND EMPTY COMPARTMENTS FOR DATA AND POWER (WIREMOLD EFB10S BOX WITH EFB10SM COMPARTMENTS EFB10-B, EFB10-DP, EFB10-DEC PLATES AS REQUIRED AND EFB10S-DIVIDERS AS REQUIRED AND EFB610BTBZ COVER).

COLOR CODE FOR JUNCTION BOXES

NOTE:
PAINT ALL JUNCTION BOXES AND COVERS WITH COLORS AS SHOWN BELOW. PAINTING COVERS ONLY IS NOT ACCEPTABLE.

FUNCTION:	COLOR:
LIGHTING	BLUE
POWER	GREEN
MISC. AUXILIARIES	BROWN

COLOR CODE FOR ELECTRICAL WIRING

- 120/208 V, 60Hz, 3 PHASE, 4 WIRE SYSTEM
PHASE A-BLACK
B-RED
C-BLUE
N-WHITE
- GROUND-GREEN

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Engineer: J. Lance Junkin, P.E. Alabama Reg. 14817	Project Number: 2599

PANELBOARD SCHEDULE

MARK	TYPE	MANS			BRANCHES					LUG LOCATION	TYPE MOUNTING	AREA PANEL LOCATED	AVAILABLE FAULT CURRENT	REMARKS
		TYPE	AMPS	SERVICE	1 POLE	2 POLE	3 POLE	SPARES	SPACES					
MPA	I-LINE	M/B	800	120/208V 3ø, 4W			1-60 1-100 2-400		6-3PS	BOTTOM	SURFACE	ELEC 106	38,000	SEE NOTES 1, 2, 3, 4, & 5
RPA	NQOD	LUGS	100	120/208V 3ø, 4W	17-20			6-20/1	7-1PS	BOTTOM	SURFACE	ELEC 106	18,000	SEE NOTES 1, 2, & 5
PPA	NQOD	LUGS	400	120/208V 3ø, 4W		1-20 1-25 2-30	1-25 2-30 2-45 2-50	6-20/1	19-1PS	BOTTOM	SURFACE	ELEC 106	28,000	SEE NOTES 1, 2, & 5 54 SPACE PANEL
DPEM	I-LINE	M/B	400	120/208V 3ø, 4W			1-100 1-225		4-3PS	BOTTOM	SURFACE	ELEC 112	31,000	SEE NOTES 1, 2, 3, & 5
LPEM	NQOD	LUGS	100	120/208V 3ø, 4W	17-20	1-20		6-20/1	5-1PS	BOTTOM	SURFACE	ELEC 112	14,000	SEE NOTES 1, 2, & 5
RPEM	NQOD	LUGS	225	120/208V 3ø, 4W	53-20	2-20 3-30 1-50		12-20/1	7-1PS	BOTTOM	SURFACE	ELEC 112	21,000	SEE NOTES 1, 2, & 5 DOUBLE PANEL

NOTES:

- ALL PANELBOARDS SHALL BE CAPABLE OF WITHSTANDING AND INTERRUPTING THE AVAILABLE FAULT CURRENTS AS LISTED ABOVE.
- ALL PANELBOARDS SHALL HAVE MICARTA LABELS SHOWING PANELBOARD DESIGNATION, AND OPERATING VOLTAGE. I-LINE PANELBOARDS SHALL ALSO HAVE MICARTA LABELS AT EACH BREAKER.
- SHALL BE RATED FOR SERVICE ENTRANCE EQUIPMENT.
- SHALL BE EQUIPPED WITH BUILT-IN SURGE PROTECTION, CAPABLE OF WITHSTANDING A TRANSIENT SURGE OF 160,000 AMPS. (PROVIDE BREAKER AS REQUIRED FOR THIS PURPOSE IN MPA).
- NO SERIES RATING WILL BE ALLOWED ON ANY PANELBOARDS.

PANELBOARD NOTES:

- MANUFACTURER OF SWITCHBOARDS AND/OR PANELBOARDS SHALL PERFORM FAULT CURRENT CALCULATIONS, COORDINATION STUDY, AND ARC FLASH HAZARD ANALYSIS, AND LABEL ALL SWITCHBOARDS AND/OR PANELBOARDS, IN ACCORDANCE WITH NFPA 70E-2009 (ARTICLE 130) AND NFPA 70-2008 (ARTICLE 110.16).
- CONTRACTOR SHALL FIELD MARK ELECTRICAL SERVICE EQUIPMENT WITH A CONSPICUOUS AND PERMANENT LABEL THAT INDICATES THE AVAILABLE FAULT CURRENT PER NEC 110.24.
- CONTRACTOR SHALL FIELD MARK ELECTRICAL PANELS WITH A CONSPICUOUS AND PERMANENT LABEL THAT INDICATES WHERE PANELS ARE FED FROM PER NEC 408.4(B).

APCO NOTES

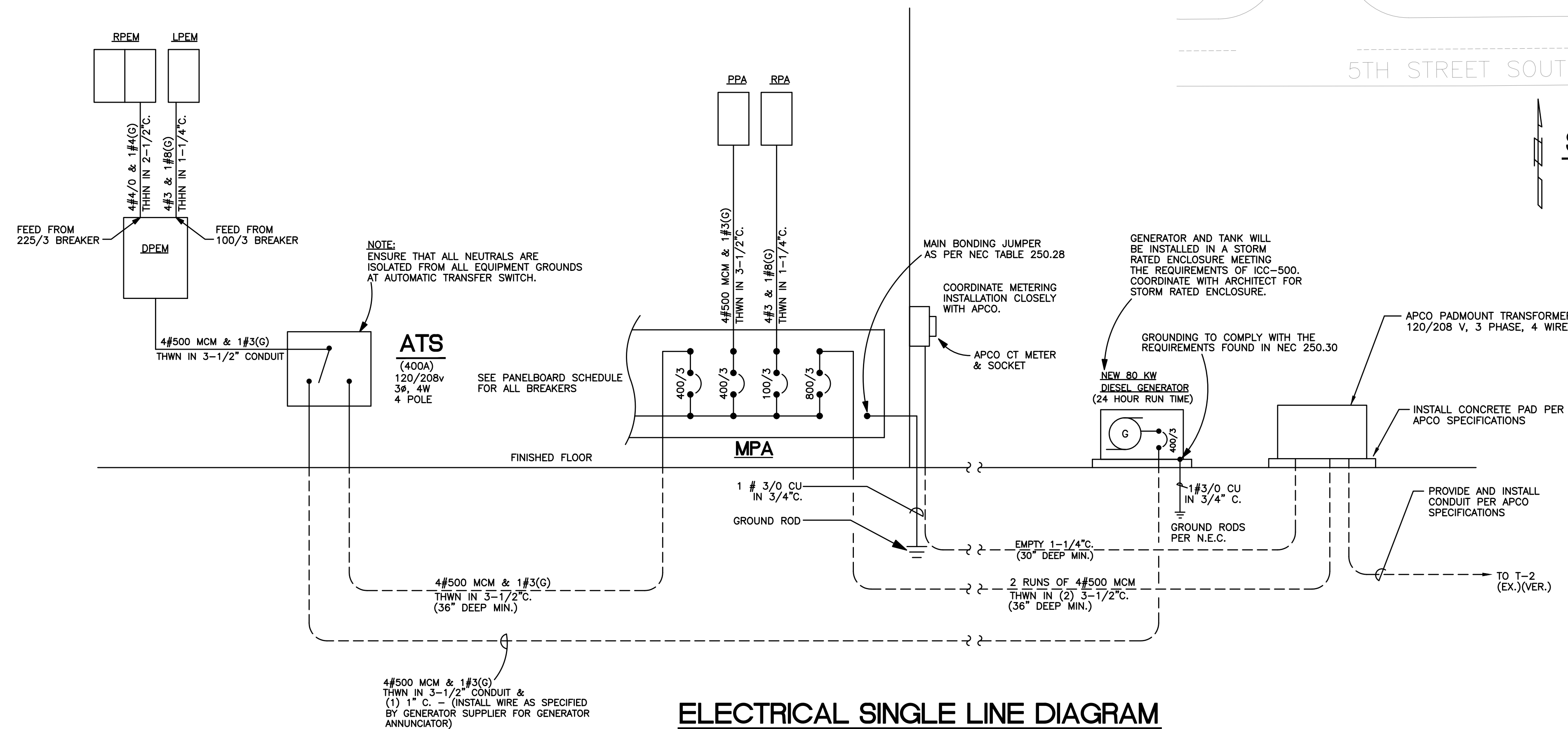
- CONTRACTOR SHALL COORDINATE CLOSELY WITH ALABAMA POWER, AND SHALL PROVIDE AND INSTALL ANY AND ALL LABOR AND/OR MATERIAL, AS REQUIRED BY ALABAMA POWER, REGARDLESS OF ITS BEING OR NOT BEING SHOWN ON ELECTRICAL DRAWINGS.
- ANY AND ALL COSTS ASSOCIATED WITH PROVIDING THIS LABOR AND/OR MATERIAL SHALL BE INCLUDED IN BID PRICE.
- CONTRACTOR SHALL OBTAIN ALL DIRECT CHARGES FROM ALABAMA POWER, AND INCLUDE THESE CHARGES IN BID PRICE. CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALABAMA POWER DURING THE BID PROCESS.
- APCO ELECTRICAL LINE DESIGN ON DRAWING IS DIAGRAMATIC. AS STATED ABOVE, CONTRACTOR MUST COORDINATE PRICING, MATERIALS, LABOR, ETC. CLOSELY WITH APCO.

ALUMINUM NOTE

THE CONTRACTOR SHALL HAVE THE CHOICE OF INSTALLING FEEDERS WITH ALL COPPER WIRE AS SPECIFIED, OR INSTALLING ALUMINUM FEEDERS ON ALL WIRE SIZED #3/0 AND LARGER. ALL WIRING SMALLER THAN #3/0 SHALL BE COPPER WITH NO EXCEPTIONS.

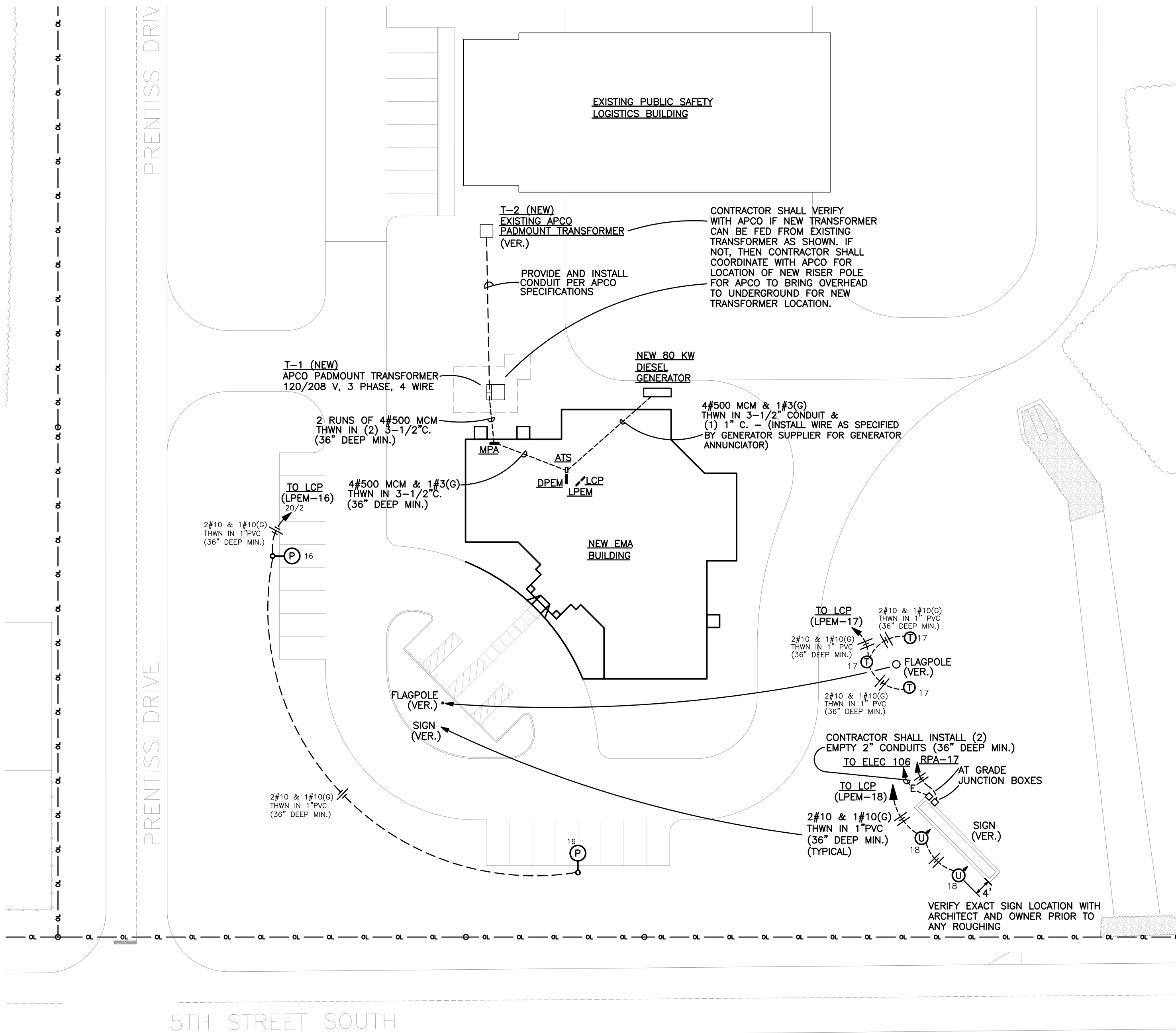
COPPER SIZE:	ALUMINUM SIZE:
3/0	250 MCM
4/0	300 MCM
350 MCM	500 MCM
500 MCM	750 MCM

CONTRACTOR SHALL INCREASE CONDUIT SIZES ACCORDINGLY TO MEET N.E.C. FILL REQUIREMENTS.



ELECTRICAL SINGLE LINE DIAGRAM

N.T.S.

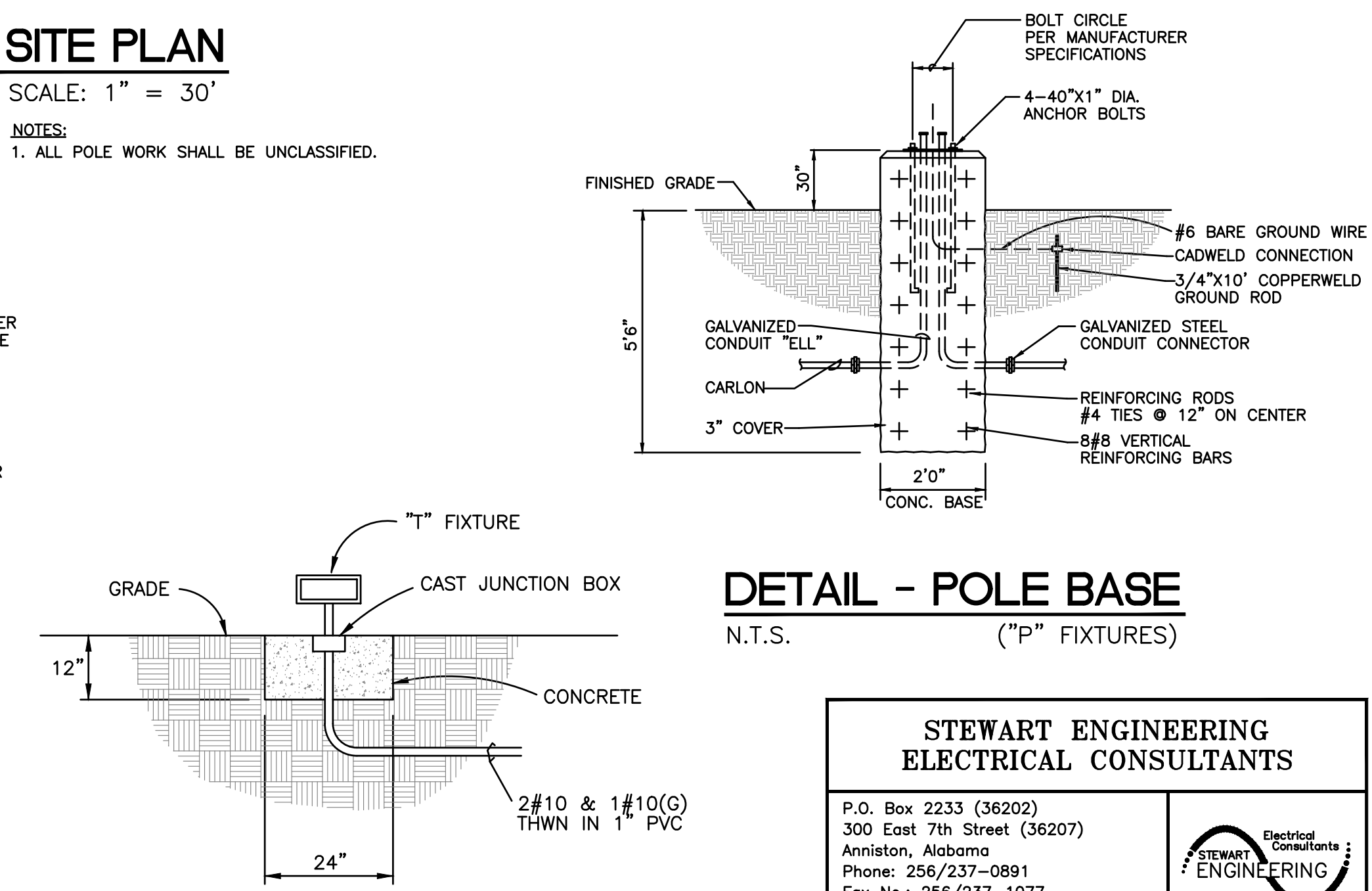


SITE PLAN

SCALE: 1" = 30'

NOTES:

- ALL POLE WORK SHALL BE UNCLASSIFIED.



DETAIL - POLE BASE

N.T.S. ("P" FIXTURES)

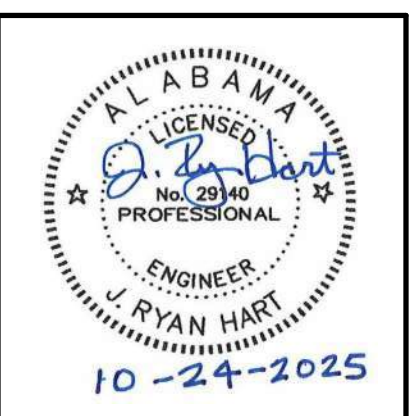
DETAIL - GROUND FIXTURES

N.T.S. ("U" FIXTURES SIMILAR)

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Engineer: J. Lance Junkin, P.E. Alabama Reg. 14817	Project Number: 2599

SHEET TITLE:

SITE PLAN AND
SINGLE LINE DIAGRAM



PROJ. MGR.: LANCE JUNKIN
DRAWN: SEC
DATE: OCTOBER 24, 2025
REVISIONS

JOB NO. 25-13

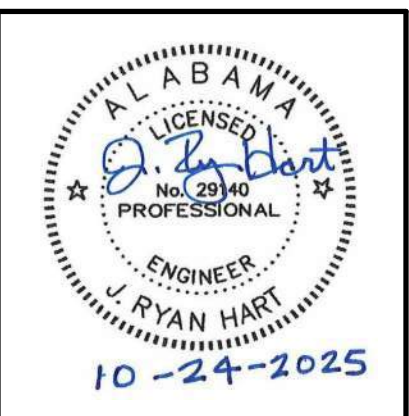
SHEET NO:

E21

2 OF 5

SHEET TITLE:

FLOOR PLAN -
LIGHTING



PROJ. MGR.: LANCE JUNKIN
DRAWN: SEC

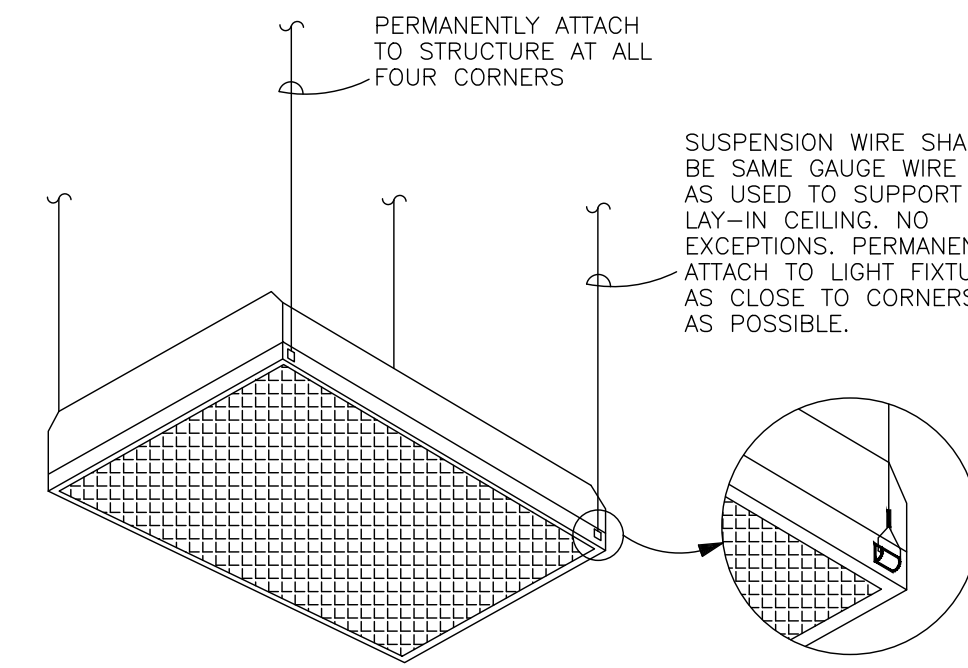
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REVISIONS

JOB NO. 25-13

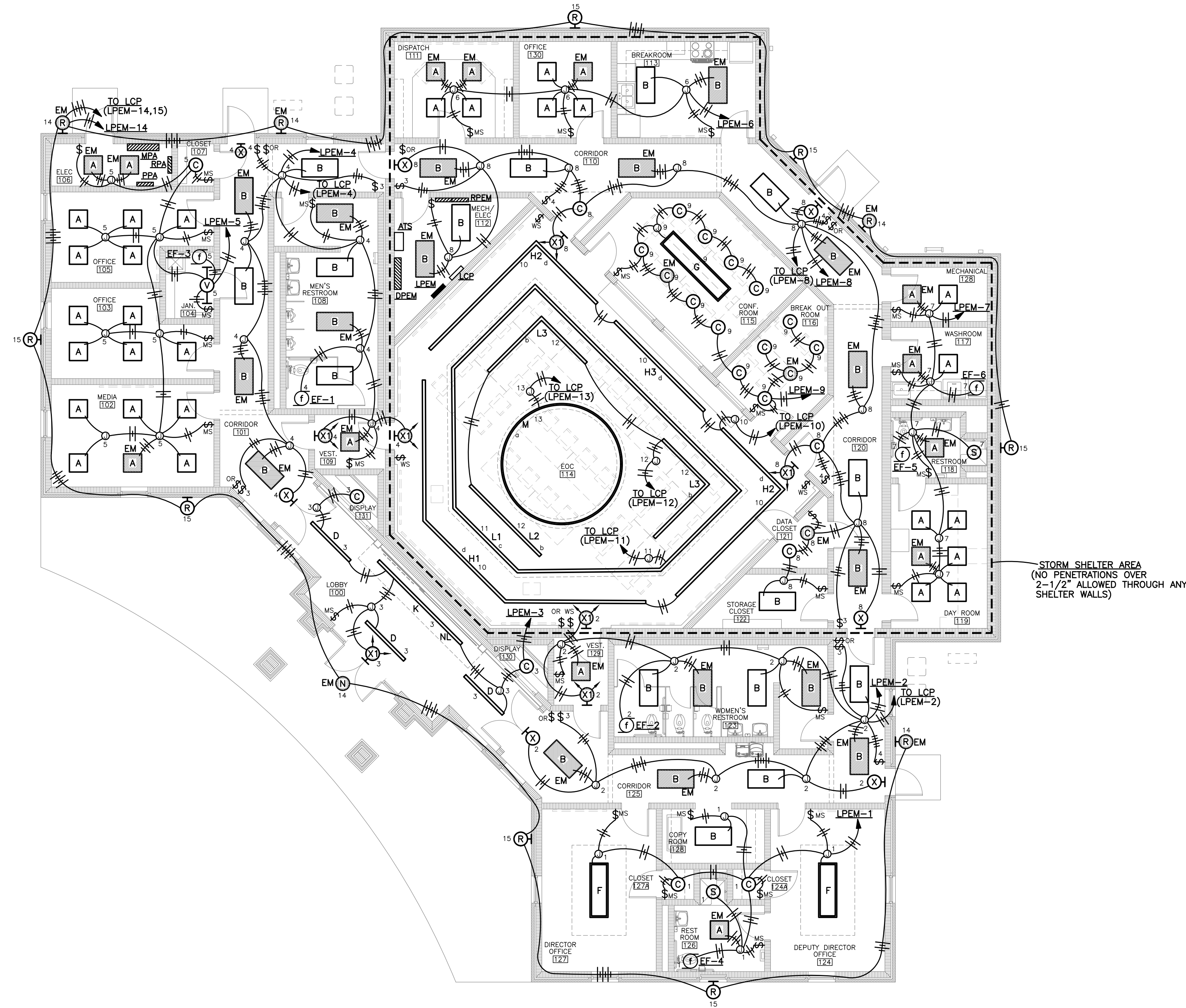
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E3.1

3 OF 5



DETAIL - LIGHT FIXTURE SUPPORT
N.T.S.



FLOOR PLAN - LIGHTING

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

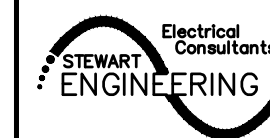
NOTES:
1. ALL WIRING SHOWN FEEDING EXTERIOR FIXTURES SHALL BE #10 THWN.

RELAY PANEL LCP			
R	PANEL	CIRCUIT	PROGRAM MODE
1	LPEM	2	NORMAL DAY-TO-DAY
2	LPEM	4	NORMAL DAY-TO-DAY
3	LPEM	8	NORMAL DAY-TO-DAY
4	LPEM	10 ZONE 1	NORMAL DTD (SWITCH "a")
5	LPEM	11 ZONE 2	NORMAL DTD (SWITCH "b")
6	LPEM	12 ZONE 3	NORMAL DTD (SWITCH "c")
7	LPEM	13 ZONE 4	NORMAL DTD (SWITCH "d")
8	LPEM	14	EXTERIOR DUSK TO DAWN
9	LPEM	15	EXTERIOR DUSK TO MIDN.
10	LPEM	16	EXTERIOR DTD (2 POLE)
11	LPEM	17	EXTERIOR DUSK TO DAWN
12	LPEM	18	EXTERIOR DUSK TO MIDN.
13			
14			
15			
16			
COOPER GREENGATE RELAY CABINET (NETWORKABLE) CONTROLKEEPER 16 (CKT16) WITH 16 RELAYS			

SITE VISIT NOTE:
CONTRACTOR SHALL INCLUDE IN BID PRICE A TOTAL OF (3) SITE VISITS FROM FACTORY TRAINED REPRESENTATIVE FOR LIGHTING CONTROL SYSTEM INSTALLATION, PROGRAMMING, AND TRAINING.

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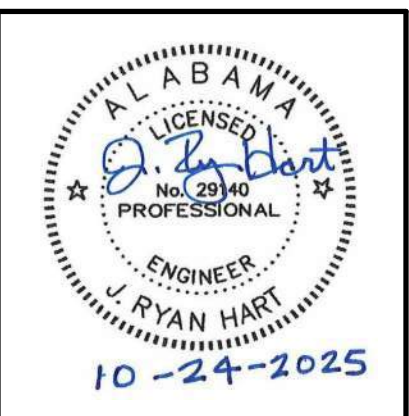


Engineer:
J. Lance Junkin, P.E.
Alabama Reg. 14817

Project Number:
2599

SHEET TITLE:

FLOOR PLAN -
POWER



PROJ. MGR.: LANCE JUNKIN
DRAWN: SEC

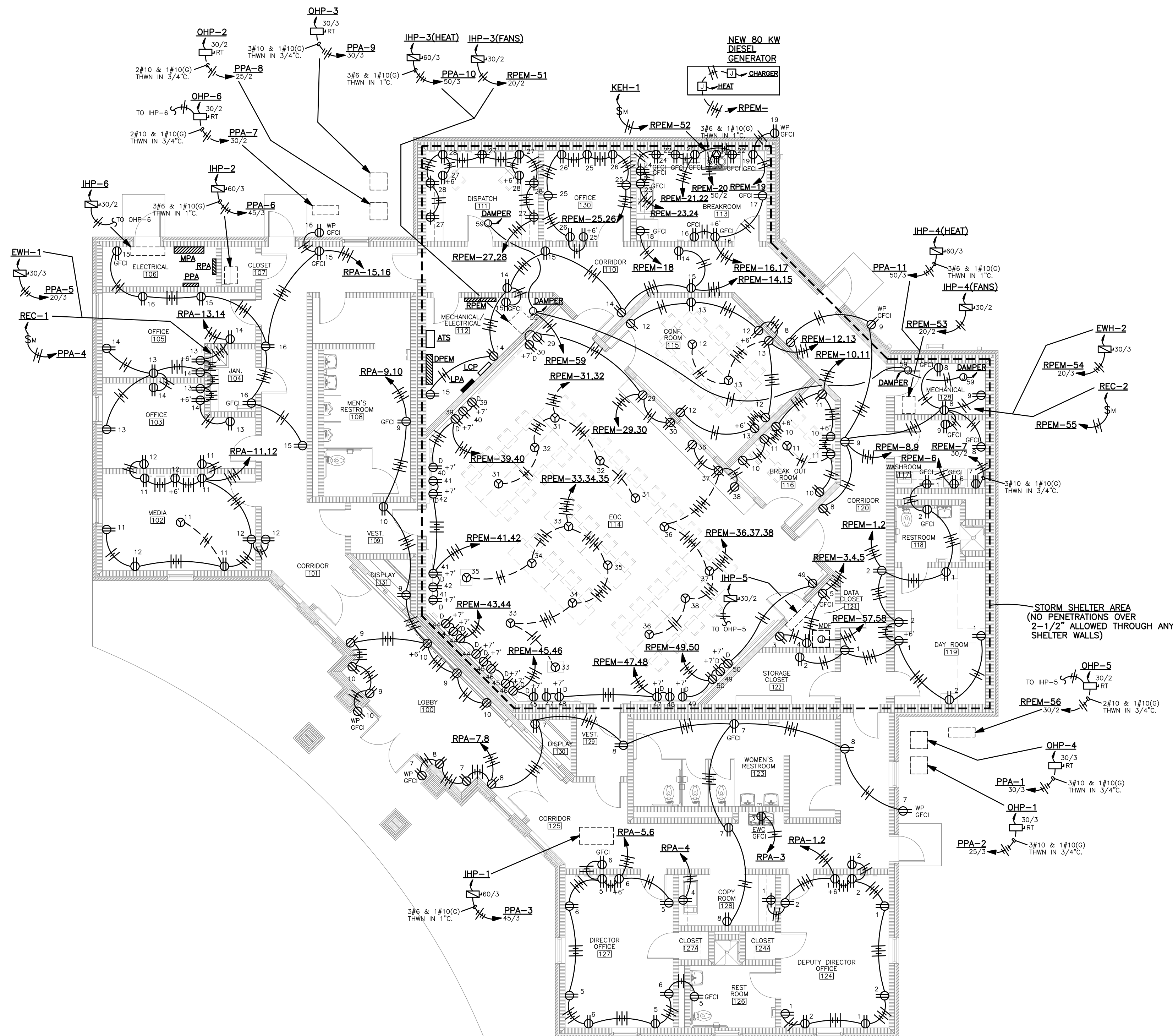
DATE: OCTOBER 24, 2025
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JOB NO. 25-13

SHEET NO:

E4.1

4 OF 5



FLOOR PLAN - POWER

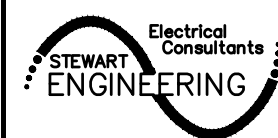
SCALE: 1/8" = 1'-0"

NOTES:

- COORDINATE ALL OUTLETS AT COUNTER AREAS CLOSELY WITH ARCHITECTURAL CASEWORK DRAWINGS. PLACE OUTLETS BELOW COUNTERS, AT STANDARD MOUNTING HEIGHT, WHEN KNEE SPACE PERMITS ACCESS (COORDINATE INSTALLATION OF HOLES WITH RUBBER GROMMETS IN THOSE CASES).
- COORDINATE INSTALLATION OF OUTLETS CLOSELY WITH EQUIPMENT SUPPLIER.
- ALL BRANCH CIRCUIT HOME RUNS THAT EXCEED 100' IN LENGTH SHALL BE #10 THWN.

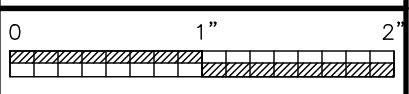
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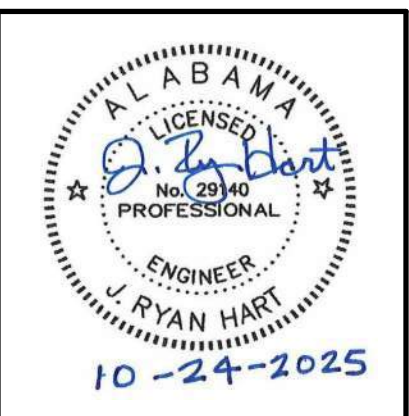
Engineer:
J. Lance Junkin, P.E.
Alabama Reg. 14817

Project Number:
2599



SHEET TITLE:

FLOOR PLAN -
AUXILIARIES



PROJ. MGR.: LANCE JUNKIN
DRAWN: SEC

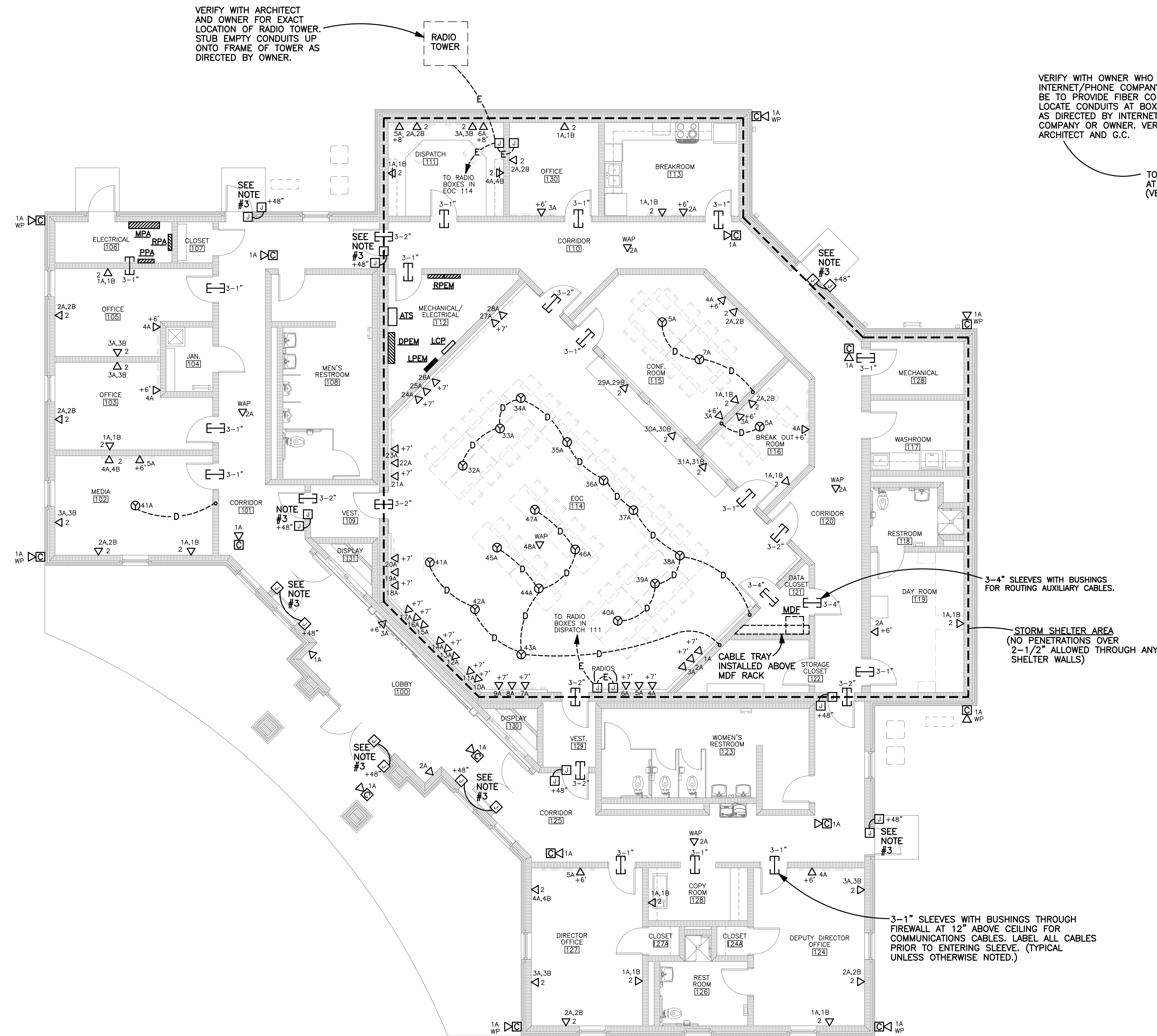
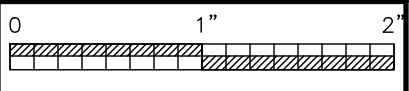
DATE: OCTOBER 24, 2025
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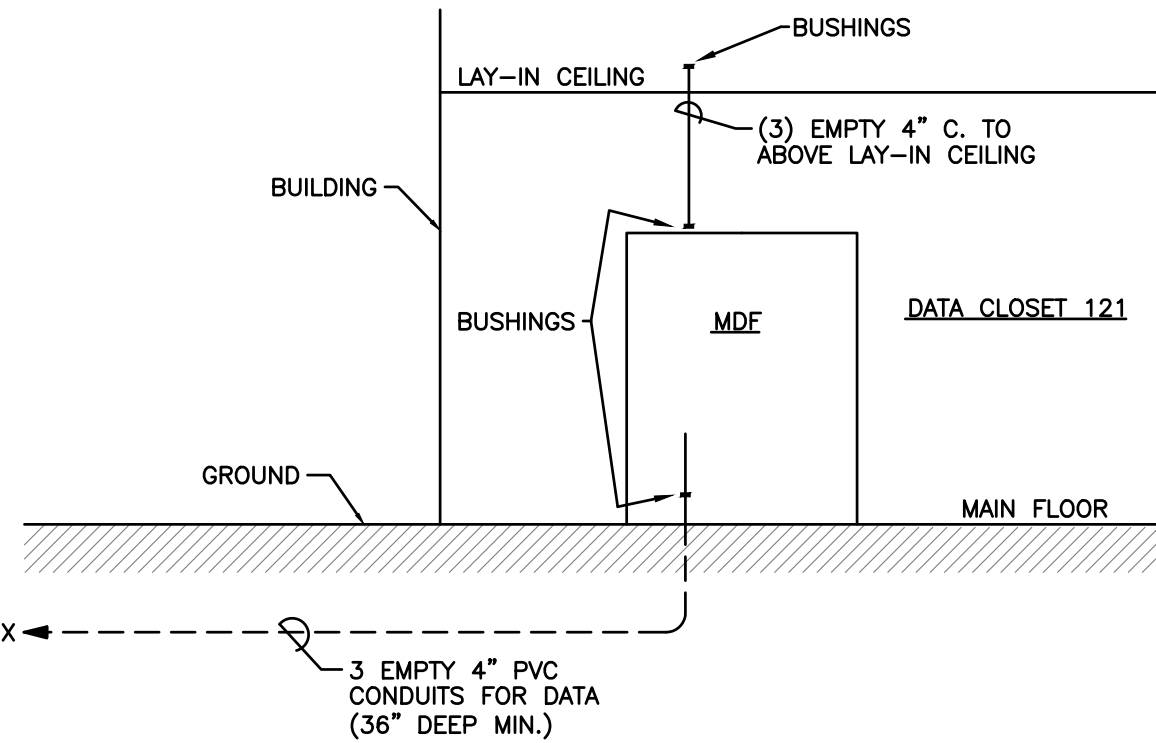
E5.1

5 OF 5



TELCO/MDF RISER DIAGRAM

N.T.S.



AUXILIARY CIRCUIT LEGEND

DATA OUTLETS 2A, 2B
(2 CAT. 6 CABLES PULLED TO JUNCTION BOX
AND TERMINATED, LEAVE 12" SLACK ON
EACH CABLE)

OUTLET NUMBER:	ROOM NUMBER:
2A	105
IDF NUMBER:	PATCH PANEL/PORT #:
MDF	1 / 1

DETAIL - DATA CABLE LABEL

N.T.S.

- NOTES:
- LABEL ALL CABLES EVERY 50' AND AT EACH END.
 - EXACT LABEL METHOD SHALL BE COORDINATED WITH, AND APPROVED BY, ENGINEER PRIOR TO PURCHASE AND INSTALLATION.
 - IF ONLY ONE (1) OUTLET IN A ROOM, LABEL OUTLET AS 1A.
 - ROOM NUMBERS ON LABELS SHALL CORRESPOND TO FINAL ROOM NUMBERS IN FIELD (NOT NECESSARILY SAME AS ON CONSTRUCTION DRAWINGS).

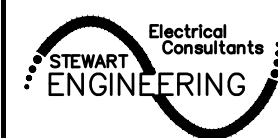
FLOOR PLAN - AUXILIARIES

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

- NOTES:
- ALL COMPUTER OUTLETS SHOWN ON THIS PLAN ARE SERVED FROM MDF.
 - COORDINATE FINAL LOCATIONS OF ALL CEILING DEVICES, WAP, CAMERAS, ETC. TO AVOID CONFLICT WITH LIGHT FIXTURES AND MECHANICAL DIFFUSERS. PLACE THESE DEVICES AS CLOSE AS POSSIBLE TO LOCATION SHOWN ON THESE DRAWINGS.
 - AT THESE DOOR LOCATIONS, CONTRACTOR SHALL INSTALL EMPTY JUNCTION BOX WITH 3/4" EMPTY CONDUIT WITH PULL STRING TO ABOVE LAY-IN CEILING FOR FUTURE CARD ACCESS SYSTEM. COORDINATE CLOSELY WITH ARCHITECT FOR DOOR HARDWARE CONFIGURATION.

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