

**CHOCTAW COUNTY JAIL
BUTLER, ALABAMA**

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FILE NAME: W:\JMRH Projects 2022\22-1189 Choctaw County Jail\T1-130X42_Cover_Template2014.dwg

ABBREVIATIONS			
A	A.B. ANCHOR BOLT ABOVE A.C. AIR CONDITIONING ACCESS A.C.T. ACOUSTICAL TILE (CLG) AFF. ABOVE FINISH FLOOR A.D. AREA DRAIN ADD. ADDENDUM ADH. ADHESIVE ADJ. ADJUSTABLE AGG. AGGREGATE A.H.U. AIR HANDLING UNIT ALT. ALTERNATE ALUM. ALUMINUM A.P. ACCESS PANEL APP. APPROXIMATE ARCH. ARCHITECT (URAL) ASPH. ASPHALT A.T. ASPHALT TILE AUTO. AUTOMATIC AVG. AVERAGE AWING. AWNING	F FAS. FASTENER F.B.O. FACE BRICK F.D. FLOOR DRAIN F.E. FIRE EXTINGUISHER F.F. FINISH FLOOR F.G. FIXED GLASS FGL. FIBERGLASS FIN. FINISH FLG. FLASHING FLR. FLOOR FLUR. FLOURESCENT FN. FENCE FND. FOUNDATION F.O. FACE OF FP. FIRE PROOF FPHB. FIRE PROOF HOSE BIBB FR. FRERLACE FS. FRAME FR. FULL SIZE FTG. FOOTING FUR. FURRING F.V. FIELD VERIFY	P PAR. PARALLEL P.B.O. PARTICLE BOARD PCC. PRECAST CONCRETE P.E. PORCELAIN ENAMEL PEDESTAL (SINK) PERI. PERIMETER PKG. PARKING PL. PLATE PLAM. PLASTIC LAMINATE PLAS. PLASTER PNL. PANEL PNT. PAINT P.TILE. PORCELAIN TILE PREFAB. PREFABRICATED PSF. POUNDS PER SQUARE FOOT PSI. POUNDS PER SQUARE INCH PARTITION PTN. PARTITION PVC. PRESSURE TREATED PAVED OR PAVING POLYVINYL CHLORIDE (PIPE) PAVEMENT P.V.M.T. PLYWOOD Q.T. QUARRY TILE
B	B36. 3/8" WIDE BASE CAB. BD. BOARD BIFOLD (DOOR) BIT. BITUMINOUS BLKG. BLOCKING BLDG. BUILDING BLK. BLOCK (CMU) BLK. BLOCKING BLK. BEAM B.M. BENCH MARK BP. B-PASS (DOOR) BRG. BRICK BRK. BRICK B.S. BOTH SIDES BSMT. BASEMENT BOT. BOTTOM BTWN. BETWEEN BU. BUVELED B.W. BOTH WAYS	G GA. GAUGE G.B. GYPSUM BOARD G.C. GENERAL CONTRACTOR GD. GRADE OR GRADING G.D.O. GARAGE DOOR OPENER GFI. GROUND FAULT INTERRUPTER GL. GLASS OR GLAZING GLBK. GLASS BLOCK G.I. GALVANIZED IRON GT. GROUT H. HIGH HB. HOSE BIBB H.C. HOLLOW CORE HD. HEAD OR HARD H.D. HEAT DETECTOR OR HEAVY DUTY HDR. HEADER HW. HARDWARE HT. HEIGHT H.M. HOLLOW METAL HR. HORIZONTAL HUR. HOUR H.R. HALF ROUND HS. HORIZONTAL SLIDER HTG. HEATING HVC. HEATING/VENTILATING/AIR COND. HW. HARDWOOD	R R. RISER RA. RETURN AIR R.B. RUBBER BASE RAD. RADIUS RUBBLE R.D. ROOF DRAIN REF. REFRIGERATOR REQ. REQUIRED RES. RESILIENT REV. REVISION, REVED REINFORCING RFG. ROOFING R.F.B. REINFORCED JUNCTION BOX R.L. RAILING R&M. RANGE W/ MICROWAVE R.W. ROOF WATER LEADER R.O. ROUGH OPENING R.O.W. RIGHT OF WAY R&S. ROD AND SHELF(S)
C	CAB. CABINET C.B. CATCH BASIN CEM. CEMENT CEM. CERAMIC CF. CUBIC FOOT CHAM. CHAMFER CL. CAST IRON C.I.P. CONCAST-IN-PLACE CONC. OR. ORCILE CIRC. CIRCUMFERENCE C.J. CONTROL JOINT C.K. CALKING (CALKING) CLG. CLOSET OR CENTER LINE CLG. CEILING CLR. CLEARANCE NT. INTERIOR CLS. CLOSURE OR CLOSER CM. CONCRETE MASONRY UNIT C.O. CASED OPENING COL. COLUMN COMB. COMBINATION CONC. CONCRETE COND. (AC) CONDENSER CONC. CONSTRUCTION CONT. CONTINUOUS CONTR. CONTRACTOR CORR. CORRUGATED CPR. COPPER CQR CPT. CARPET CQB. COURSES CSMT. CASEMENT CST. CAST STONE CT. CERAMIC TILE CTR. CENTER OR COUNTER CX. CONNECTION CY. CUBIC YARD	H H.C. HOLLOW CORE HD. HEAD OR HARD H.D. HEAT DETECTOR OR HEAVY DUTY HDR. HEADER HW. HARDWARE HT. HEIGHT H.M. HOLLOW METAL HR. HORIZONTAL HUR. HOUR H.R. HALF ROUND HS. HORIZONTAL SLIDER HTG. HEATING HVC. HEATING/VENTILATING/AIR COND. HW. HARDWOOD	S SCH. SCHEDULE SD. SMOKE DETECTOR SEC. SECTION S.F. SQUARE FEET S.F. SAFETY GLASS S.G.D. SLIDING GLASS DOOR S.H. SINGLE HUNG OR SHELF (DRAWING) SHEET SHT. SHEATHING SML. SKYLIGHT SKL. SKYLIGHT OR SLEEVE SL. SEALANT SNT. SNT SPC. SPACER SPEC. SPECIFICATIONS SPK. SPEAKER S.S.T. STAINLESS STEEL STD. STANDARD STOR. STORAGE STL. STEEL STR. STRUCTURAL SQ. SQUARE SUS. SUSPENDED SW. SHEAR WALL T. TREAD T.B. TOWEL BAR T.B.D. TO BE DETERMINED TERR. TERRA COTTA T.C. TROWELED CONTROL JOINT T.C.J. TROWELED CONTROL JOINT TEMP. TEMPERED (GLASS) T&G. TONGUE & GROOVE TEL. TELEPHONE TEL. TELEPHONE THK. THICKNESS THRESH. THRESHOLD T.O.C. TOP OF CONCRETE T.O.F. TOP OF FOUNDATION T.O.M. TOP OF MASONRY T.O.W. TOP OF WINDOW TR. TRANSOM T.P. TOILET PAPER HOLDER TV. TELEVISION OUTLET TYP. TYPICAL UP. UNDERCUT UNFIN. UNFINISHED UNF. UNLESS NOTED OTHERWISE U.N.O. UNLESS NOTED OTHERWISE
D	D. 12" DEEP DRYER, OR DRAIN DBL. DOUBLE DEM. DEMOLITION DEM. DEMOLISH, DEMOLITION DEP. DEPRESSED DET. DETAIL D.F. DRINKING FOUNTAIN DH. DOUBLE HUNG DIM. DIMETER DIM. DIMENSION D.L. DEAD LOAD D.M. DOWN D.P. DAMP-PROOFING DR. DOOR DRY. DRYER MACHINE DS. DOWNSPOUT DST. DRAINER STACK D.T. DRAIN TILE D.T. DETAIL D.W. DISH WASHER DWR. DRAWING DWR. DRAWER	I I.B. IRONING BOARD I.D. INSIDE DIAMETER IN. INCH I.M. INSULATED METAL INS. INSULATION (TYP) INT. INTERIOR JST. JOIST JOINT K. KID KID. KNOCKDOWN KIT. KITCHEN KO. KNOCKOUT KPL. KICKPLATE K/S. KNEE SPACE	T T. TREAD T.B. TOWEL BAR T.B.D. TO BE DETERMINED TERR. TERRA COTTA T.C. TROWELED CONTROL JOINT T.C.J. TROWELED CONTROL JOINT TEMP. TEMPERED (GLASS) T&G. TONGUE & GROOVE TEL. TELEPHONE TEL. TELEPHONE THK. THICKNESS THRESH. THRESHOLD T.O.C. TOP OF CONCRETE T.O.F. TOP OF FOUNDATION T.O.M. TOP OF MASONRY T.O.W. TOP OF WINDOW TR. TRANSOM T.P. TOILET PAPER HOLDER TV. TELEVISION OUTLET TYP. TYPICAL UP. UNDERCUT UNFIN. UNFINISHED UNF. UNLESS NOTED OTHERWISE U.N.O. UNLESS NOTED OTHERWISE
E	EACH E.F. EMBROW E.F. EACH FACE E.J. EXPANSION JOINT ELEV. ELEVATION ELEC. ELECTRICAL E.P. ELECTRICAL PANEL EQU. EQUAL EST. ESTIMATE E.W.C. ELECTRIC WATER COOLER EXG. EXISTING EXH. EXHAUST EXT. EXTERIOR	J JST. JOIST JOINT K. KID KID. KNOCKDOWN KIT. KITCHEN KO. KNOCKOUT KPL. KICKPLATE K/S. KNEE SPACE	V V.B. VANITY BASE V.B. VAPOR BARRIER V.B. VANITY BASE WIDTH VERT. VERTICAL VIN. VINYL(SHEET) V.S. VESTIBLE SINK V.C.T. VINYL COMPOSITION TILE
F	FAS. FASTENER F.B.O. FACE BRICK F.D. FLOOR DRAIN F.E. FIRE EXTINGUISHER F.F. FINISH FLOOR F.G. FIXED GLASS FGL. FIBERGLASS FIN. FINISH FLG. FLASHING FLR. FLOOR FLUR. FLOURESCENT FN. FENCE FND. FOUNDATION F.O. FACE OF FP. FIRE PROOF FPHB. FIRE PROOF HOSE BIBB FR. FRERLACE FS. FRAME FR. FULL SIZE FTG. FOOTING FUR. FURRING F.V. FIELD VERIFY	M M. METER(S) MAX. MAXIMUM MAS. MASONRY MAT. MATERIAL MC. MEDICINE CABINET MECH. MECHANICAL MFR. MANUFACTURER MH. MANHOLE MIN. MINIMUM MISC. MISCELLANEOUS MID. MIDDLING MLN. MILLINERY M.M. MMB MEMBRANE M.O. MASONRY OPENING MOD. MODULAR MRB. MARBLE M.T. METAL MNT. MOUNTING MULL. MULLION OR MULLED	W W. WIDE OR WASHING MACHINE W.C. WATER CLOSET WF. WIFE WH. WATER HEATER W.H. WROUGHT IRON W.W. WALK-IN CLOSET W.W. WINDOW W.W. WITH OR WITHOUT WP. WATERPROOF W.R. WATER RESISTANT W.S. WATER SOFTENER W.SCT. WAINSCOT W.T.W. WALL TO WALL W.W.M. WELDED WIRE MESH



OWNER: CHOCTAW COUNTY COMMISSION
445 WALLACE MCNEELEY ROAD
BUTLER, AL 36904

DESIGN TEAM CONTACTS

ARCHITECT: JMR+H ARCHITECTURE, P.C.
445 DEXTER AVENUE
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JEFF CAHILL

PLUMBING & MECHANICAL: WHORTON ENGINEERING, INC.
25 SUMMERLAND GATE ROAD,
BLDG. 2120
ANNISTON, AL 36205

CIVIL: CDG ENGINEERS & ASSOCIATES
1830 HARTFORD HIGHWAY
DOTHAN, AL 36301
P. (334) 726-0549

ELECTRICAL: MCCARTER ENGINEERING
878 AVALON LANE
ANNISTON, AL 36207

STRUCTURAL: JOHNSON & ASSOCIATES
ENGINEERING
200 GROVE PARK LANE, #820
DOTHAN, AL 36305

ARCHITECTURAL SYMBOLS		ALTERNATES	
	DOOR MARK		DETAIL
	WINDOW MARK		ROOM FINISH MARK
	LOUVER MARK		BRACKET MOUNTED FIRE EXTINGUISHER
	FIRE EXTINGUISHER CABINET		LARGE SCALE PLAN OR DETAIL ENLARGEMENT
	FINISH FLOOR ELEVATION		FINISH GRADE ELEVATION

GENERAL NOTES

- DRAWINGS AND SPECIFICATIONS OF ALL DISCIPLINES INCLUDED HEREIN ARE GRAPHIC AND TEXT REPRESENTATIONS INTENDED TO ESTABLISH THE FULL SCOPE OF THIS PROJECT AND THE FULL CONTRACTUAL OBLIGATION OF THE GENERAL CONTRACTOR TO COMPLETE THE WORK SHOWN, IMPLIED, AND SPECIFIED IT SHALL BE THE GENERAL CONTRACTOR'S ULTIMATE RESPONSIBILITY TO COORDINATE THE PROPOSALS AND WORK OF ALL TRADES TO ENSURE ALL MATERIALS AND WORK REQUIRED BY THE CONTRACT DOCUMENTS ARE INCLUDED IN THE GENERAL CONTRACTOR'S PROPOSAL AND ARE ULTIMATELY FURNISHED AND INSTALLED IN THE FINISHED PRODUCT, WHETHER EXPLICIT OR IMPLIED BY THESE DOCUMENTS.
- THE FOLLOWING PRIORITIES ARE ESTABLISHED WITH REFERENCE TO DISCIPLINE COORDINATION:
A. ALL PLUMBING WORK AND INSTALLATION SHALL BE COORDINATED FULLY TO ALLEVIATE CONFLICTS.
B. NO TRADE WILL TAKE UNNECESSARY ADVANTAGE OF AVAILABLE PLENUM SPACE OVER OTHER TRADES. RELOCATION OF ANY ITEMS VIOLATING THIS PRINCIPLE SHALL BE AT THE TRADES' EXPENSE.
C. ALL STRUCTURAL DESIGN & DETAILING SHALL GOVERN OVER ARCHITECTURAL GRAPHIC REPRESENTATION WHERE APPLICABLE.
D. ALL CIVIL DESIGN & DETAILING SHALL GOVERN OVER ARCHITECTURAL REPRESENTATION WHERE APPLICABLE.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FOR THIS WORK. IF PROBLEMS ARE ENCOUNTERED WHILE ATTEMPTING TO OBTAIN PERMITS, THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY AND WILL ASSIST AS NECESSARY.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BECOME FAMILIAR WITH THE CONTRACT DOCUMENTS APPLICABLE TO THIS PROJECT PRIOR TO CONSTRUCTION. THE DRAWINGS AND SPECIFICATIONS ARE COMPLIMENTARY AND BOTH DOCUMENTS SHALL BE BINDING.
- THE CONTRACTOR IS TO MAINTAIN A COMPLETE SET OF AS-BUILT DRAWINGS AT THE JOB SITE. AS-BUILTS SHALL BE AVAILABLE FOR FIELD OBSERVATION BY THE ARCHITECT OR ENGINEER.
- THESE DRAWINGS ARE SCHEMATIC IN NATURE AND NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS, PROCEDURES, OR METHODS OF CONSTRUCTION. IT IS INTENDED THAT A COMPLETE \$8 BED JAIL BUILDING BE PROVIDED WITH ALL NECESSARY EQUIPMENT APPURTENANCES, AND CONTROLS, COMPLETELY COORDINATED WITH ALL DISCIPLINES, ALL PARAMETERS GIVEN IN THESE DOCUMENTS SHALL BE STRICTLY CONFORMED WITH ANY ITEMS AND LABOR REQUIRED FOR A COMPLETE PROJECT IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS, AND THESE CONTRACT DOCUMENTS. ALL ITEMS, SYSTEMS, ETC. OUTLINED HEREIN SHALL BE FURNISHED WITHOUT INCURRING ANY ADDITIONAL COST TO THE CONTRACTOR. CAREFULLY REVIEW ALL CONTRACT DOCUMENTS AND THE DESIGN OF OTHER TRADES BEFORE PREPARING SHOP DRAWINGS.
- COORDINATE PIPING WITH STRUCTURAL AND PLUMBING. MAKE OFFSETS AND TRANSITIONS TO COORDINATE WITH OTHER TRADES WITHOUT ADDITIONAL EXPENSE TO THE OWNER.
- COORDINATE ALL REVIEWS OF WORK IN PLACE PRIOR TO CONCEALMENT OF ALL INTERIOR AND EXTERIOR WORK.
- CONTRACTOR SHALL CHECK AND COORDINATE ALL DIMENSIONS PRIOR TO PROJECT LAYOUT. CONFIRM EXISTING CONDITIONS WILL ACCOMMODATE DIMENSIONAL CRITERIA SHOWN FOR NEW WORK. CONSTRUCTION, AND INSTALLATION. THIS CONFIRMATION WILL BE THE RESPONSIBILITY OF THE PRECAST CONCRETE CELL MODULE CONTRACTOR.

ALTERNATES

ALTERNATE #1 - PRICE FOR FURNISHING ONE ADDITIONAL WASHER/EXTRACTOR IN THE LAUNDRY ROOM.
ALTERNATE #2 - PRICE FOR FURNISHING AND INSTALLING THE INMATE PROPERTY HIGH DENSITY STORAGE ELEMENTS
ALTERNATE #3 - PRICE FOR THE ELECTRONIC SECURITY WATCHTOUR SYSTEM
ALTERNATE #4 - PRICE FOR FURNISHING AND INSTALLING ALUMINUM CANOPY AT THE LOADING DOCK
ALTERNATE #5 - PRICE FOR FURNISHING AND INSTALLING 2' X 2' CEILING ACOUSTICAL SOUND TREATMENT PANELS
ALTERNATE #6 - PRICE FOR FURNISHING AND INSTALLING SECURITY TENNIS COURT SCREENS
ALTERNATE #7 - PRICE TO SUBSTITUTE GALVANIZED FINISH ON ALL FRAMING, SECURITY MESH AND ALL EXERCISE YARD COVER COMPONENTS IN LIEU OF PRIMED AND PAINTED IN THE BASE BID.
ALTERNATE #8 - PRICE TO SUBSTITUTE GLAZED CMU UNITS AT 4' FIXTURE WALL WAINSCOT AT ALL TOILET AND DRYING AREAS IN LIEU OF EPOXY FINISH UNDER THE BASE BID.
ALTERNATE #9 - PRICE FOR FURNISHING AND INSTALLING THE DIAMOND POLISHED CONCRETE FLOOR FINISH IN LIEU OF SEALED CONCRETE FLOOR FINISH
ALTERNATE #10 - PRICE FOR FURNISHING AND INSTALLING PAN-TILT-ZOOM CAMERAS AT ALL LOCATIONS WHERE SHOWN ON 6S DRAWINGS.

INDEX OF DRAWINGS		INDEX OF DRAWINGS			
SEQ. NO.	DWG. NO.	SHEET TITLE	SEQ. NO.	DWG. NO.	SHEET TITLE
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CIVIL					
2	C1.1	NOTES & BMP PLAN	64	P3.2	WATER PLUMBING RISER DIAGRAM
3	C1.2	EXISTING CONDITIONS & DEMOLITION PLAN	65	P3.3	GAS PLUMBING RISER DIAGRAM
4	C3.1	SITE PLAN	66	P4.1	CONDENSATE & STORM DRAIN PLUMBING PLAN
5	C3.2	GRADING & DRAINAGE PLAN	67	P5.1	ROOF FRAMING PLAN
6	C3.3	UTILITY PLAN	68	SP1.1	FIRE SPRINKLER PLUMBING LEGEND, NOTES, AND DETAILS
7	C3.4	EROSION & SEDIMENT CONTROL PLAN	69	SP2.1	FIRE SPRINKLER PLUMBING PLAN
8	C8.1	CONSTRUCTION DETAILS	70	M1.1	HVAC LEGEND, NOTES, AND SCHEDULES
9	C8.2	CONSTRUCTION DETAILS	71	M1.2	HVAC SCHEDULES
10	C8.3	CONSTRUCTION DETAILS	72	M1.3	HVAC SCHEDULES
ARCHITECTURAL					
11	LS1.1	LIFE SAFETY PLAN	73	M1.4	HVAC SCHEDULES & DETAILS
12	A1.1	FIRST FLOOR DIMENSIONAL PLAN	74	M1.5	HVAC SCHEDULES & DETAILS
13	A1.2	FIRST FLOOR KEY & SYMBOL PLAN	75	M1.6	HVAC SCHEDULES & DETAILS
14	A1.3	FLOOR PLAN	76	M1.7	HVAC SCHEDULES AND DETAILS
15	A1.4	PLAN DETAILS	77	M2.1	HVAC DETAILS
16	A2.1	FINISH SCHEDULE	78	M2.2	HVAC DETAILS
17	A3.1	DOOR SCHEDULE & DETAILS	79	M2.3	HVAC DETAILS
18	A3.2	HOLLOW METAL WINDOW SCHEDULE & DETAILS	80	M2.4	HVAC DETAILS
19	A4.1	EXTERIOR ELEVATIONS	81	M2.5	HVAC DETAILS
20	A5.1	BUILDING SECTIONS	82	M2.6	HVAC DETAILS
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23	A6.1	WALL SECTIONS	85	M2.9	HVAC VARIABLE REFRIGERANT FLOW DIAGRAM
24	A6.2	WALL SECTIONS	86	M3.1	FIRST LEVEL HVAC PLAN
25	A6.3	WALL SECTIONS	87	M3.2	ATTIC LEVEL HVAC PLAN
26	A6.4	WALL SECTIONS	88	M3.3	HVAC ROOF PLAN
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28	A7.2	INTERIOR ELEVATIONS	90	E2.1	SINGLE LINE DIAGRAMS, DETAIL AND SCHEDULES
29	A7.3	INTERIOR ELEVATIONS	91	E2.2	ELECTRICAL SITE PLAN
30	A7.4	INTERIOR ELEVATIONS	92	E3.1	FIRST LEVEL AND ATTIC LIGHTING PLANS
31	A7.5	CABINET SECTIONS	93	E3.2	FIRST LEVEL AND ATTIC POWER PLANS
32	A8.1	FIRST FLOOR REFLECTED CEILING PLAN	94	E3.3	FIRST LEVEL AND ATTIC AUXILIARIES PLANS
33	A9.1	ROOF PLAN	95	E4.1	ELECTRICAL DETAILS
34	A10.1	SECURITY KEY PLAN	96	ES1.1	ELECTRONIC SECURITY SITE PLAN
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36	A10.3	SECURITY DETAILS	98	ES1.3	FIRST LEVEL AND ATTIC ELECTRONIC SECURITY CCTV PLAN
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38	A11.1	SIGNAGE PLAN			
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39	QF0.0	FOOD SERVICE GENERAL NOTES			
40	QF1.0	FOOD SERVICE EQUIPMENT PLAN - OVERALL			
41	QF1.1	FOOD SERVICE EQUIPMENT PLAN			
42	QF1.2	FOOD SERVICE EQUIPMENT SCHEDULE			
43	QF2.1	FOOD SERVICE EQUIPMENT ELEVATIONS & KEY SYMBOL PLAN			
44	QF3.1	FOOD SERVICE EQUIPMENT PLUMBING SUPPLY & DRAIN PLAN			
45	QF4.1	FOOD SERVICE EQUIPMENT ELECTRICAL PLAN			
46	QF5.1	FOOD SERV. EQUIP. SLAB PENETRATE & SPECIAL CONDITIONS PLAN			
47	QF6.1	FOOD SERVICE WALK-IN VENDOR DETAILS			
48	QF7.1	FOOD SERVICE EQUIPMENT STANDARD DETAILS			
49	LE0.0	LAUNDRY EQUIPMENT GENERAL NOTES			
50	LE1.1	LAUNDRY EQUIPMENT PLAN			
51	LE1.2	LAUNDRY EQUIPMENT DETAILS			
STRUCTURAL					
52	S0.1	GENERAL STRUCTURAL NOTES			
53	S0.2	DETAILS			
54	S0.3	SECTIONS			
55	S0.4	SECTIONS			
56	S1.1	FOUNDATION PLAN			
57	S1.2	ROOF FRAMING PLAN			
MECHANICAL					
58	P1.1	PLUMBING SCHEDULES, LEGEND, AND NOTES			
59	P1.2	PLUMBING DETAILS			
60	P1.3	PLUMBING SCHEDULES AND DETAILS			
61	P2.1	WASTE PLUMBING PLAN			
62	P2.2	WASTE PLUMBING RISER DIAGRAM			

CONSTRUCTION DOCUMENTS

Project Number: 22-1189
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Revisions:

Sheet Description

COVER, INDEX, LEGEND, & NOTES

Sheet Number

T1.1

LEGEND			
GENERAL		UTILITIES	
BENCHMARK		POWER POLE	
PROPERTY CORNER		LIGHT POLE	
CONCRETE MARKER		ANCHOR	
PROPERTY LINE		OVERHEAD ELECTRIC LINE	
SETBACK LINE		BURIED ELECTRIC LINE	
EASEMENT LINE		TELEPHONE MANHOLE	
FENCE LINE		TELEPHONE PEDESTAL	
CONSTRUCTION LIMITS		OVERHEAD TELECOM CABLE	
DEMOLITION LINE		BURIED TELECOM CABLE	
SIGN		BURIED FIBER OPTIC CABLE	
LIGHT DUTY ASPHALT		GAS METER	
CONCRETE		GAS VALVE	
AGGREGATE		GAS LINE	
EARTHWORK & GRADING		WATER METER	
PROPOSED CONTOUR MAJOR		WATER VALVE	
PROPOSED CONTOUR MINOR		FIRE HYDRANT	
EXISTING CONTOUR MAJOR		WATER LINE	
EXISTING CONTOUR MINOR		SANITARY SEWER MANHOLE	
PROPOSED SPOT ELEVATION		SANITARY SEWER CLEANOUT	
STORM DRAINAGE		SANITARY SEWER GRAVITY LINE	
STORM STRUCTURE		SANITARY SEWER FORCE MAIN	
STORM PIPE		PROPOSED ITEMS SHOWN IN BLACK EXISTING ITEMS SHOWN IN GRAY.	
CHANNEL FLOW LINE			

GENERAL NOTES:

- CDG, INC. (CDG) SHALL NOT HAVE AUTHORITY OVER THE SITE OR BUILDING CONTRACTOR'S WORK OR RESPONSIBILITIES. CDG IS NOT RESPONSIBLE FOR SITE SAFETY PROCEDURES OR METHODS OF CONSTRUCTION.
- ALL EXISTING IMPROVEMENTS SHALL REMAIN UNLESS SPECIFICALLY NOTED HEREON. UPON FIELD VERIFICATION, IF ANY OF THESE IMPROVEMENTS CONFLICT WITH PROPOSED DESIGN, CONSULT WITH CDG PRIOR TO REMOVAL.
- CDG SHALL NOT BE RESPONSIBLE FOR ERRORS AND OMISSIONS RESULTING FROM DESIGN MODIFICATIONS MADE AFTER THE RECORD DATE OF THESE PLANS SHOWN HEREON. ADJUSTMENTS TO THESE PLANS MAY BE NECESSARY, PER OWNER REQUEST.
- THE CONTRACTOR IS RESPONSIBLE FOR THE PURCHASE OF A CONTRACTOR'S LICENSE AND BUSINESS LICENSE FROM THE CITY AND / OR COUNTY AS APPLICABLE, AS WELL AS, ALL OTHER LICENSES AND PERMITS REQUIRED FOR COMPLETION OF THE WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTATION OF PRE-EXISTING CONDITIONS PRESENT WITHIN AND ADJACENT TO THE CONSTRUCTION AREA. DOCUMENTATION OF EXISTING CONDITIONS SHALL CONSIST OF DATE-STAMPED VIDEO, PHOTOGRAPHS, AND WRITTEN RECORDS. COPIES OF ALL DOCUMENTATION SHALL BE DELIVERED TO THE OWNER OR REPRESENTATIVE PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES. DOCUMENTATION OF PRE-EXISTING CONDITIONS IS REQUIRED TO AVOID CLAIMS FOR DAMAGE TO PROPERTY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED BY HIS ACTIVITIES IN THE PROJECT AREA, WHETHER ON PUBLIC OR PRIVATE PROPERTY. DAMAGE SHALL BE REPAIRED TO PRE-CONSTRUCTION CONDITIONS OR BETTER, AND TO THE SATISFACTION OF THE ENGINEER AND LAND OWNER(S). REPAIRS SHALL BE MADE AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITY IN THE PROJECT AREA WITH THE COUNTY, CITY, STATE, AND AFFECTED LANDOWNERS/PARTIES, AS APPLICABLE.
- WHERE APPLICABLE, THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING TRAFFIC CONTROL IN ACCORDANCE WITH THE REQUIREMENTS OF PART 6 OF THE MUTCD, LATEST EDITION, AND IN ACCORDANCE WITH ANY ATTACHED TRAFFIC CONTROL PLAN.
- UNLESS APPROVED IN ADVANCE BY THE ENGINEER, THE CONTRACTOR SHALL MAINTAIN ACCESS FOR THE TRAVELING PUBLIC AND EMERGENCY VEHICLES ALONG THE PAVED DRIVE. IF A ROAD CLOSURE IS ALLOWED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING SUCH CLOSURES WITH CITY AND EMERGENCY AGENCIES, IN ACCORDANCE WITH THOSE PARTIES' REQUIREMENTS.
- DRIVEWAYS WHICH MAY HAVE BEEN CUT OR OTHERWISE DAMAGED DURING THE CONSTRUCTION ACTIVITIES SHALL BE MAINTAINED IN A USABLE CONDITION FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL MAKE A REASONABLE EFFORT TO RE-OPEN DRIVEWAYS AS SOON AS POSSIBLE, IN NO CASE SHALL DRIVEWAYS BE CLOSED OVERNIGHT.
- ALL EQUIPMENT SHALL BE PARKED AND ALL MATERIALS SHALL BE STORED AT A LOCATION WITHIN CONSTRUCTION LIMITS, AND APPROVED BY SURROUNDING OR AFFECTED LANDOWNERS/PARTIES.
- EXISTING DRAINAGE SYSTEMS SHALL REMAIN FULLY OPEN THROUGHOUT THE PROJECT DURATION. ANY DISTURBANCE OR DAMAGE TO EXISTING DRAINAGE SYSTEMS AND STRUCTURES SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AND THE CITY, COUNTY, AND/OR STATE AT NO ADDITIONAL COST TO THE OWNER.
- JOB SITE SHALL BE CLEANED ON A DAILY BASIS. THE CONTRACTOR SHALL RESTORE ALL AREAS, WHETHER PUBLIC OR PRIVATE, AS SOON AS PRACTICABLE FOLLOWING COMPLETION OF PARTICULAR CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR SHALL REPAIR ALL EXCAVATED AREAS, BACKFILLS, EMBANKMENTS, TRENCHES, AND DITCHES WHICH MAY HAVE SETTLED AT NO ADDITIONAL COST TO THE CLIENT UNTIL FINAL ACCEPTANCE OF THE PROJECT AND THROUGHOUT THE WARRANTY PERIOD.

SITE NOTES:

- IT IS CONTRACTOR'S RESPONSIBILITY TO PROVIDE CONSTRUCTION LAYOUT AND GRADE STAKING. UPON REQUEST, CDG WILL PROVIDE ELECTRONIC CIVIL DESIGN FILES IN DWG FORMAT.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL BENCHMARKS AND PROPERTY CORNERS. ANY REPLACEMENT WILL BE AT THE CONTRACTOR'S EXPENSE.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS REQUIRED TO CONSTRUCT THIS PROJECT. ALL PERMITS MUST BE IN-HAND PRIOR TO CONSTRUCTION.
- ALL ADA ACCESSIBLE ROUTES, PARKING, RAMPS, CROSSWALKS, SIGNS, SYMBOLS, AND PAINTED ISLANDS MUST CONFORM TO THE LATEST ADA REQUIREMENTS.
- TOPOGRAPHICAL SURVEY PERFORMED BY LINDER SURVEYING CONSULTANTS, LLC.
- ALL PAVEMENT MARKINGS SHALL CONFORM TO MUTCD SPECIFICATIONS.
- NOTIFY ENGINEER IMMEDIATELY IF ANY ERRORS OR OMISSIONS ARE FOUND.
- HORIZONTAL AND VERTICAL DATUMS USED IN DESIGN ARE NAD83 AL STATE PLANE EAST AND NAVD88 RESPECTIVELY.
- COORDINATE ALL ELECTRICAL IMPROVEMENTS TO AVOID CLASH WITH PROPOSED DESIGN AND EXISTING UTILITIES. ENGINEER SHALL APPROVE FINAL POLE LOCATION.
- PROPERTY/LOT LINES EXIST THAT ARE NOT SHOWN HEREIN. ALL WORK AND CONSTRUCTION ACTIVITIES SHALL BE APPROVED BY SURROUNDING AND/OR AFFECTED LANDOWNERS.

GRADING AND DRAINAGE NOTES:

- COORDINATE THE SEQUENCING OF ALL GRADING OPERATIONS WITH THE BMP PLAN.
- ALL SITE GRADING ACTIVITIES, INCLUDING MUCK AND BORROW EXCAVATION, SHALL BE COORDINATED AND APPROVED BY A REGISTERED GEOTECHNICAL ENGINEER.
- NO GRADING OFF-SITE OR IN ANY ROAD RIGHT-OF-WAY WITHOUT PROPER APPROVALS.
- ALL GRADING ADJACENT TO EXISTING OR PROPOSED BUILDINGS SHALL BE SLOPED AWAY FROM STRUCTURES.
- THE CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM THE STRUCTURES. NOTIFY CDG OF ANY DISCREPANCIES.
- PROPOSED GRADES INDICATED ON THIS PLAN ARE TO FINISH GRADE. THE CONTRACTOR SHALL MAKE SUBGRADE ADJUSTMENTS FOR TOPSOIL, PAVEMENT, BUILDING PAD, ETC.
- ALL HDPE PIPE SHALL BE DUAL WALL WITH A SMOOTH INTERIOR CORE HAVING AN n-VALUE OF 0.012.
- CDG RECOMMENDS THE CITY PERFORM A DOWNSTREAM STORMWATER ANALYSIS IF DETENTION POND IS NOT CONSTRUCTED TO ENSURE NO ADVERSE EFFECTS WILL OCCUR FROM INCREASED STORMWATER RUNOFF.

UTILITY NOTES:

- NEITHER THE OWNER NOR THE ENGINEER MAKES ANY EXPRESSED OR IMPLIED GUARANTEE OF THE ACCURACY OF UTILITIES SHOWN, OR ANY GUARANTEE THAT ALL UTILITIES LOCATED WITHIN THE CONSTRUCTION AREA ARE SHOWN HEREIN.
- THE CONTRACTOR SHALL CALL ALABAMA ONE CALL AT 811 FOR UTILITY MARKING PRIOR TO COMMENCING CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES BEFORE COMMENCING WORK. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL COORDINATE ALL WORK ADJACENT TO EXISTING UTILITY POLES AND GUY WIRES WITH THE LOCAL POWER COMPANY. THE CONTRACTOR SHALL CONTACT THE LOCAL POWER COMPANY TO HOLD SAID UTILITY POLES/GUY WIRES DURING BORING OR OPEN CUT OPERATIONS. THE COST OF THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL PAYMENT WILL BE MADE.
- THE CONTRACTOR SHALL COORDINATE ALL TIE-INS, CONNECTIONS, OUTAGES, AND VALVING OPERATIONS WITH THE UTILITY OWNER. THE CONTRACTOR SHALL GIVE 72 HOURS NOTICE TO THE UTILITY OWNER OF WHEN SUCH OPERATIONS ARE TO TAKE PLACE.
- THE CONTRACTOR SHALL COORDINATE WITH AND PROVIDE REASONABLE NOTICE TO RESIDENTS AND BUSINESSES OF UTILITY SERVICE OUTAGES PRIOR TO BEGINNING SUCH OPERATIONS. NO RESIDENT OR BUSINESS SHALL BE LEFT WITH OUT SERVICE OVERNIGHT.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL UTILITY LOCATIONS WITH THE LOCAL UTILITIES. CONTACT WITH EACH UTILITY SHOULD BE MADE BEFORE ANY CONSTRUCTION BEGINS ON THIS PROJECT.

EROSION AND SEDIMENT CONTROL NOTES:

- SITE EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL LAWS, CODES, AND REGULATIONS.
- ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT NPDES GENERAL PERMIT FOR CONSTRUCTION ACTIVITIES TO BE OBTAINED **PRIOR** TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MONITORING, INSPECTIONS, ETC. TO ENSURE THE OWNER THAT THE SITE IS AT ALL TIMES IN ACCORDANCE WITH ADEM RULES AND REGULATIONS.
- FOR ADDITIONAL NOTES, SEE **BEST MANAGEMENT PRACTICES**.

BEST MANAGEMENT PRACTICES

- CONSTANTLY CHANGED TO MEET THE CURRENT CONDITIONS. THE FOLLOWING WILL APPLY TO THIS STAGE OF CONSTRUCTION.
- I. GENERAL:**
- THE INTENT OF THIS GENERIC PLAN IS TO PREVENT EROSION AND RESULTING SILT TRANSPORTATION OFF SITE. THE ITEMS INDICATED ARE ENGINEERS BEST ESTIMATE OF REQUIREMENTS; MORE OR LESS MAY BE NEEDED DEPENDING ON THE SITE CONDITION, SEASONS, ETC. CONTRACTOR SHALL INSTALL ADDITIONAL MEASURES AS NECESSARY AS THE PROJECT DEVELOPS AND SITE CONDITIONS CHANGE. ALL EROSION AND SEDIMENT CONTROL STRUCTURES, SYSTEMS, DEVICES, ETC. SHALL MEET OR EXCEED THE GUIDELINES, SCENARIOS, AND PRACTICES OUTLINED IN "THE ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL, AND STORMWATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS" LATEST EDITION. A COPY OF THE DOCUMENT MAY BE OBTAINED FROM THE FOLLOWING WEBSITE: <https://alconservationdistricts.gov/resources/erosion-and-sediment-control/>
- A. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE CONSTRUCTED PRIOR TO ANY LAND DISTURBING ACTIVITY TAKING PLACE.**
- B. PLANNED PHASES OF CONSTRUCTION**
- DEMOLITION/TREE/STUMP REMOVAL (AS PER PLAN)
 - STRIPING AND STOCKPILING OF TOPSOIL
 - GRADING OPERATIONS
 - STORM DRAINAGE AND UTILITY INSTALLATION
 - FINISH GRADING, CURB & GUTTERS, PAVEMENT AND LANDSCAPING.
- C. SPECIAL REQUIREMENTS FOR SENSITIVE AREAS OF THE SITE.**
- INTERCEPT OFFSITE DRAINAGE, FILTER THROUGH RIPRAP FILTER BERMS OR TEMPORARY SEDIMENT
 - TRAPS, AND DISCHARGE THROUGH THE STORM SEWER SYSTEM.
 - RIE-RAP OUTLET PROTECTION SHALL BE INSTALLED AT ALL DOWNSTREAM OUTFALLS, EXCEPT THOSE IN ALDOT RIGHT-OF-WAYS.
- II. IMPLEMENTATION:**
- PLANNED CONSTRUCTION PHASING AND REQUIRED SPECIFIC SEDIMENT AND EROSION CONTROL MEASURES.
- A. PHASE 1**
- STUMP REMOVAL:** THIS PHASE OF CONSTRUCTION INVOLVES THE DIGGING UP AND REMOVAL OF STUMPS FROM THE SITE. THIS PHASE COULD ALSO INVOLVE THE BURNING OF STUMPS AS WELL AS HAULING THEM AWAY. THE FOLLOWING WILL APPLY DURING THIS PHASE.
- CONSTRUCTION OF A "STONE" CONSTRUCTION ENTRANCE/EXIT SHALL BE DONE TO PREVENT SILT FROM BEING DEPOSITED ON ROADWAYS.
 - TEMPORARY CULTVERTS SHALL BE PLACED IN DITCHES AND WATERWAYS IF NECESSARY TO GAIN ACCESS INTO THE SITE.
 - SILT FENCES SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER DURING ANY PHASE OF CONSTRUCTION.
 - ALL TREES AND DEBRIS WILL BE KEPT AWAY FROM DITCHES AND STREAMS SO RUN-OFF ACCUMULATING IN THE DITCHES AND STREAMS WILL NOT CARRY BRANCHES AND LIMBS DOWNSTREAM.
 - SWALES OR TEMPORARY DIVERSION SHALL BE CONSTRUCTED AS NECESSARY AND AS SHOWN TO DIVERT RUN-OFF AWAY FROM THE WORK AREA.
 - SILT TRAPS, SEDIMENT BASINS, AND DETENTION PONDS SHALL BE INSTALLED WHERE SHOWN ON THE PLANS IN AND ACCORDANCE WITH DETAILS SHOWN TO CATCH RUNOFF AND FILTER IT PRIOR TO DISCHARGE FROM THE SITE.
- B. PHASE 2**
- TOPSOIL STRIPPING AND STOCKPILING:** THIS IS THE PHASE AFTER ALL TREE REMOVAL, STUMP AND DEBRIS REMOVAL. TOPSOIL SHALL BE STRIPPED, SCREENED OF DEBRIS, AND STOCK PILED AT AN APPROVED LOCATION ON SITE.
- ALL REQUIREMENTS OF PHASE 1 NOTED ABOVE FOR STUMP REMOVAL WILL ALSO APPLY FOR THIS PHASE OF CONSTRUCTION.
- C. PHASE 3**
- GRADING OPERATIONS:** THIS PHASE IS THAT TIME WHEN THE EARTH IS BEING MOVED FROM ONE PORTION OF THE SITE TO ANOTHER OR IS BEING HAULED INTO OR HAULED OFF FROM THE SITE. THIS IS A CRITICAL TIME WHEN SEDIMENT AND EROSION CONTROL FACILITIES MUST BE CONSTANTLY CHECKED TO BE SURE THEY ARE EFFECTIVE AND

- E. PHASE 5**
- FINISH GRADING, CURB AND PAVEMENT INSTALLATION, AND LANDSCAPING: THIS IS THE WRAP-UP STAGE WHEN ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES WILL BE PHASED OUT. THE FOLLOWING WILL APPLY TO THIS PHASE:
- ALL FACILITIES FROM PHASE 1 THROUGH PHASE 4 WILL BE MAINTAINED AS APPROPRIATE AND REMOVED ONLY WHEN NO LONGER NEEDED OR REPLACED WITH PHASE APPROPRIATE BMP.
 - SILT TRAPS AROUND DRAINAGE INLETS/FLUMES WILL BE MAINTAINED, MODIFIED AS NECESSARY AND REMOVED WHEN NEED IS GONE.
 - ALL AREAS NOT RECEIVING PAVEMENT OR BUILDINGS SHALL HAVE 4" OF TOPSOIL SPREAD OVER AREA AND GRASSED PER PLAN, OR HAVE LANDSCAPING, MULCHING AND OR SOD INSTALLED AS APPLICABLE.
 - CONTRACTOR MAY COVER SOME AREAS WITH 2 1/2" THICK GRADED AGGREGATE FOR EROSION CONTROL IN LIEU OF GRASSING. MUST BE APPROVED BY THE ENGINEER
 - TERRACES, BERMS, SWALES SHALL BE CONSTRUCTED AT INTERMEDIATE LOCATIONS THROUGHOUT THE SITE AS NECESSARY TO CONTROL EROSION AND SEDIMENT TRANSPORT. THESE DIVERSION FACILITIES SHALL BE SUPPLEMENTED AS NECESSARY WITH SILT FENCES AND RIP-RAP FILTER BERMS TO FILTER ACCUMULATED SEDIMENT FROM RUNOFF PRIOR TO DISCHARGE FROM THE SITE.
 - SEDIMENT BASINS SHALL BE INSTALLED IF NECESSARY.
 - SLOPES (CUT AND FILL) THAT ARE CONSTRUCTED IN THE FINAL CONFIGURATION SHALL BE COVERED WITH 4" OF TOPSOIL AND GRASSED AND MULCHED AS SOON AS GRADING IS COMPLETED SO VEGETATION CAN PROTECT SLOPE.
 - PORTIONS OF THE SITE THAT ARE GRADED TO FINAL GRADE AND ARE NOT TO RECEIVE PAVEMENT OR BUILDINGS SHOULD HAVE 4" OF TOPSOIL SPREAD OVER THE SURFACE AND GRASSED AS SOON AS POSSIBLE IN CONSTRUCTION PROCESS. SLOPES STEEPER THAN 3:1 SHALL BE TRAP WALKED PRIOR TO SEEDING. USE PERMANENT RIP-RAP ON ALL SLOPES 2:1 AND STEEPER. THIS PHASE OF CONSTRUCTION IS CRITICAL IN THE EROSION AND SILT CONTROL PROCESS.
 - STORM SEWERS NEED TO BE INSTALLED AS SOON AS POSSIBLE IN THE CONSTRUCTION PROCESS AND CONCURRENT WITH GRADING OPERATIONS TO ENSURE A SUCCESSFUL PROGRAM. RUNOFF SHALL BE DIRECTED TO STORM SEWER SYSTEM AS SOON AS POSSIBLE.
 - TEMPORARY RIPRAP CHECK DAMS SHALL BE INSTALLED IN DITCHES AS SHOWN ON PLANS. CHECK DAMS SHALL BE INSPECTED PERIODICALLY AND SEDIMENT BUILDUP REMOVED TO ENSURE PERFORMANCE. CHECK DAMS MAY BE REMOVED FOLLOWING INSTALLATION OF PERMANENT EROSION CONTROL BLANKETS AND VEGETATION IS PROPERLY ESTABLISHED.
- D. PHASE 4**
- STORM DRAINAGE AND UTILITY INSTALLATION PLAN: THIS PHASE WILL BE DONE AFTER OR CONCURRENT WITH THE GRADING PHASE. STORM SEWERS SHALL BE INSTALLED AND PUT INTO SERVICE AS EARLY IN THE GRADING PROCESS AS POSSIBLE. THE FOLLOWING WILL APPLY TO THIS PHASE OF CONSTRUCTION:
- ALL ASPECTS OF THE PREVIOUS PHASES SHALL BE MAINTAINED AS APPLICABLE.
 - STORM SEWERS THAT ARE INSTALLED SHALL BE PUT INTO SERVICE IMMEDIATELY. THE INLETS/FLUMES OF ALL STORM SEWERS SHALL BE PROTECTED WITH SILT TRAPS THAT PREVENT SEDIMENT FROM ENTERING PIPE. THIS PROTECTION CAN BE SILT FENCES AND HAYBALES OR RIP-RAP FILTER BERMS AS APPLICABLE AND AS SHOWN ON THE PLANS.
 - RIE-RAP AS SHOWN ON THE PLANS AND AS REQUIRED ON THE SITE WILL BE INSTALLED AT PIPE OUTLETS TO PREVENT EROSION DUE TO VELOCITIES OF WATER IN THE PIPES. THE RIP-RAP SHALL BE EXTENDED DOWNSTREAM AS NEEDED TO PREVENT EROSION.
 - ADDITIONAL SILT FENCINGS SHALL BE INSTALLED AS NECESSARY TO PREVENT EROSION AND SILTATION RESULTING FROM STOCKPILED EXCAVATION MATERIAL FROM UTILITY INSTALLATION OPERATION.
 - WATTLES SHALL BE INSTALLED IN ALL NEWLY CONSTRUCTED DITCHES AND SWALES AS NECESSARY TO PREVENT EROSION AND SILTATION FROM WASHING DOWNSTREAM.

- III. LANDSCAPING/SEEDING:**
- REFER TO THIS SHEET, SECTION VII., SEEDING NOTES FOR ACTUAL REQUIREMENTS FOR THE INSTALLATION OF LIME, FERTILIZER, SEED AND MULCH. GRASSING OPERATIONS SHALL BE DONE THROUGHOUT CONSTRUCTION PROCESS AT THOSE TIMES WHEN PORTIONS OF THE SITE ARE FINISHED AND READY FOR PERMANENT GROUND COVER. THIS WILL REQUIRE MULTIPLE EFFORTS BY THE GRASSING SUBCONTRACTOR TO STABILIZE ALL IMPACTED AREAS OF THE SITE IN AN ORDERLY FASHION. **NO DISTURBED AREA SHALL BE LEFT FOR MORE THAN FOURTEEN (14) DAYS WITHOUT RECEIVING A TEMPORARY OR PERMANENT SEEDING APPLICATION.**
- IV. INSPECTION AND MAINTENANCE INSTRUCTIONS:**
- ALL EROSION AND SEDIMENT CONTROL FACILITIES SHALL BE INSPECTED REGULARLY TO BE SURE THEY ARE EFFECTIVE IN THE EVENT OF RAINFALL. THEY SHALL BE INSPECTED ONCE A WEEK (MINIMUM) AND WITHIN 24 HOURS AFTER EACH RAINFALL EVENT. ANY DAMAGED OR NON-FUNCTIONAL FACILITY SHALL BE REPAIRED IMMEDIATELY. THE FOLLOWING WILL APPLY TO MAINTAINING EROSION AND SEDIMENT CONTROL FACILITIES.
- SEDIMENT BASINS AND/OR DETENTION PONDS SHALL BE CLEANED OUT WHEN THE LEVEL OF SEDIMENT BUILDUP REACHES THE CLEANOUT POINT INDICATED ON THE DETAIL. SEDIMENT SHALL BE DISPOSED IN SUITABLE AREAS AND IN SUCH A MANNER THAT WILL NOT ERODE OR CAUSE SEDIMENTATION PROBLEMS. THE BASIN EMBANKMENT SHALL BE CHECKED REGULARLY TO ENSURE THAT IT IS STRUCTURALLY SOUND AND HAS NOT BEEN DAMAGED BY EROSION OR CONSTRUCTION EQUIPMENT. EMERGENCY SPILLWAYS SHALL BE CHECKED REGULARLY TO ENSURE THAT THEIR LININGS ARE WELL ESTABLISHED AND EROSION RESISTANT.
 - SEDIMENT TRAPS WILL BE CHECKED REGULARLY FOR SEDIMENT CLEANOUT. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED. SEDIMENT REMOVED FROM THE TRAP SHALL BE DEPOSITED IN SUITABLE AREAS AND IN SUCH A MANNER THAT IT WILL NOT ERODE AND CAUSE SEDIMENTATION PROBLEMS.
 - WATTLES WILL BE CHECKED REGULARLY FOR SEDIMENT BUILDUP WHICH WILL

- PREVENT DRAINAGE. IF THE WATTLE IS CLOGGED OR DAMAGED, IT SHALL BE REMOVED AND CLEANED OR REPLACED.
- SILT FENCE BARRIERS WILL BE CHECKED REGULARLY FOR UNDERMINING OR DETERIORATION OF THE FABRIC. SEDIMENT SHALL BE REMOVED WHEN THE LEVEL OF SEDIMENT DEPOSITION REACHES HALF WAY TO THE TOP OF THE BARRIER.
 - SEEDED AREAS WILL BE CHECKED REGULARLY TO ENSURE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED AND RESEED AS NEEDED.
 - IF ANY FACILITY IS DAMAGED DURING MAINTENANCE, OR OTHERWISE, THE DAMAGED PORTION SHALL BE REMOVED AND REPLACED ACCORDING TO THE INDICATED DETAIL.
 - IF SILT HAS CLOGGED SEDIMENT CONTROL FACILITY AND IT IS NO LONGER EFFECTIVE IN FILTERING SILT, THE STRUCTURE SHALL BE REMOVED AND REPLACED WITH A NEW STRUCTURE IN ACCORDANCE WITH APPLICABLE DETAIL.
 - CONSTRUCTION ENTRANCE SHALL HAVE ADDITIONAL STONE ADDED AS MUD COVERS STONE. DURING MUDDY TIMES, TIRES SHALL BE WASHED PRIOR TO GOING INTO THE STREET.
 - MAINTAINING EFFECTIVENESS: CONTRACTORS QCI SHALL INSPECT OVERALL PERFORMANCE OF EROSION AND SEDIMENT CONTROL FACILITIES AND AREAS DOWNSTREAM. IF SILT IS APPARENT DOWNSTREAM FROM STRUCTURES, SOME FAILURE HAS OCCURRED. IF SEDIMENT IS OBSERVED DOWNSTREAM, IMMEDIATELY NOTIFY THE ENGINEER. ENGINEER WILL INSPECT THE CONDITION AND AFTER INSPECTION, WILL DIRECT THE REMOVAL OF ACCUMULATED SEDIMENT DOWNSTREAM AND INSTALLATION OF ADDITIONAL STRUCTURAL MEASURES AS NECESSARY. CONTRACTOR SHALL IMPLEMENT RECOMMENDED SOLUTIONS TO PROBLEM AREAS AS RECOMMENDED.
- V. COMPLETION**
- PROJECT CLOSE OUT: THE FOLLOWING SHALL BE DONE AT THE END OF THE PROJECT.
- INSPECT SITE TO BE SURE THAT GROUND COVER IS COMPLETE AND ADEQUATE. IN OTHER WORDS, ALL AREAS ARE EITHER PAVED OR HAVE GOOD GROUND COVER WITH NO EROSION APPARENT. GENERALLY GOOD GROUND COVERAGE OF VEGETATION IS DEFINED AS 85% VEGETATIVE COVER WITH NO AREAS OF EROSION APPARENT
 - IF ABOVE INSPECTION IS MADE AND APPROVED, ALL STRUCTURAL FACILITIES SHALL BE REMOVED ALONG WITH ANY ACCUMULATED SILT. THE AREAS DISTURBED BY REMOVAL OF STRUCTURES SHALL BE FINE GRADED, GRASSED AND MULCHED.
 - IF INSPECTION IS MADE AND PROBLEMS EXIST, RESOLVE THE PROBLEM, MAKE THE REPAIR, AND MAKE SUBSEQUENT INSPECTION PRIOR TO REMOVAL.
- VI. MISCELLANEOUS ISSUES:**
- NO FUEL OR OIL WILL BE STORED ON SITE.
 - NO OILS OR GAS WILL BE DUMPED ON SITE.
 - LOCATION OF TRAILER AND PORT-A-JOHN WILL BE FIELD DETERMINED TO AVOID CONSTRUCTION ACTIVITIES. LOCATION WILL CHANGE DURING CONSTRUCTION AS APPROPRIATE.
 - DEWATERING OPERATIONS MAY BE REQUIRED ON THIS PROJECT. IF REQUIRED, PUMPED GROUND WATER SHALL BE ROUTED THROUGH SILT CONTROL FACILITY TO FILTER WATER PRIOR TO DISCHARGE.
 - PROJECT SITE SHALL BE KEPT CLEAR OF ALL HUMAN AND CONSTRUCTION DEBRIS. CONTRACTOR SHALL HAVE TRASH COLLECTED WEEKLY AND PLACED IN DUMPSTER TO BE HAULED OFF THE SITE.
 - ALL WATER SUPPLY WILL BE PROVIDED FROM PUBLIC WATER SUPPLY.
 - ALL HUMAN WASTE WILL BE IN PORT-A-JOHN OR PUBLIC SEWER SYSTEM TOILET AND DISPOSED OF BY A LICENSED VENDOR OR IN A PUBLIC SANITARY SEWER SYSTEM.
 - ANY SPILLED OIL, GAS, ETC., RESULTING FROM CONSTRUCTION ACTIVITIES SHALL BE CONTAINED AND CLEANED IMMEDIATELY AND CONTAMINATED SOILS SHALL BE DISPOSED OF IN AN APPROVED MANNER AT A LICENSED LANDFILL.
 - DUST SUPPRESSION OPERATIONS WILL BE DONE BY MEANS OF A WATER TRUCK SPRAYING WATER ON THE SURFACE OF THE SITE.
- VII. SEEDING NOTES:**
- A. PRIOR TO SEEDING, TREAT SOIL AS FOLLOWS:
- THE CONTRACTOR SHALL BE REQUIRED TO HAVE SOIL TESTED AND FOLLOW RECOMMENDATIONS FOR AMENDING THE SOIL WITH ITEMS SUCH AS LIME, FERTILIZER, ETC. TESTING AND AMENDMENTS SHALL BE A SUBSIDIARY OBLIGATION OF THE APPLICABLE EROSION AND SEDIMENTATION CONTROL ITEM.
 - THOROUGHLY INCORPORATE THE ABOVE AMENDMENTS INTO THE FIRST TWO TO

- THREE INCHES OF SOIL. AFTER SEEDING, FIRM THE SEEDS INTO THE TOP 1/4" OF SOIL. GRADE AREAS TO BE SEED TO INSURE PROPER DRAINAGE WITH EVEN GRADES. MULCH IMMEDIATELY AFTER SEEDING WITH EITHER STRAW, HAY OR WOOD CELLULOSE FIBER. STRAW OR HAY SHALL BE APPLIED AT A RATE OF 100 LBS./1000 SF. HAY OR STRAW SHALL BE STABILIZED WITH AN ADHESIVE. ALL SLOPES WHICH 3:1 OR STEEPER SHALL BE HYDROSEED AT A MINIMUM. WATER AS REQUIRED TO ESTABLISH SEED. ALL AREAS THAT DO NOT SHOW 85% COVER SHALL BE RESEED UNTIL PERMANENT GRASS HAS BEEN ESTABLISHED WITH NO BARE AREAS OR WASHOUTS. AFTER GRASS HAS SHOWN GROWTH (APPROXIMATELY 40 DAYS) AND WHILE SOIL SURFACE IS MOIST, THE CONTRACTOR SHALL ADD ANY RECOMMENDED TOP DRESSING FROM SOIL TEST.
- B. TEMPORARY SEEDING SHALL BE PERFORMED IF A DISTURBED AREA IS LEFT UNATTENDED FOR (13) OR MORE DAYS. APPLY SEED AS FOLLOWS:**
- | | ANNUAL RYE GRASS | 50 LB./AC. | KENTUCKY 31 TALL FESCUE | 30 LB./AC. |
|-----------------------------------|------------------|------------|-------------------------|------------|
| MARCH THROUGH AUGUST | | | | |
| BERMUDA GRASS (HULLED) | 20 LB./AC. | | | |
| KENTUCKY 31 TALL FESCUE | 30 LB./AC. | | | |
| ANNUAL RYE GRASS | 50 LB./AC. | | | |
| SEPTEMBER THROUGH FEBRUARY | | | | |
| BERMUDA GRASS (UNHULLED) | 20 LB./AC. | | | |
| KENTUCKY 31 TALL FESCUE | 30 LB./AC. | | | |
| ANNUAL RYE GRASS | 50 LB./AC. | | | |
- C. ALL DISTURBED AREAS SHALL RECEIVE PERMANENT SEEDING UNLESS OTHERWISE NOTED. PERMANENT SEEDING SHALL BE PERFORMED UPON COMPLETION OF FINAL GRADING AND TOPSOIL PLACEMENT. APPLY SEED AS FOLLOWS:**
- NOTE:** DISTURBED AREAS WITH LIMITED SUNLIGHT MAY REQUIRE SHADE MIXES FOR THE PERMANENT ESTABLISHMENT OF GRASS. SPECIALIZED MIXES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO SEEDING.
- D. ALL TEMPORARY/PERMANENT SEEDING AND MULCHING SHALL BE PERFORMED USING HYDRO-SEEDING AND/OR MECHANICAL MULCH SPREADER METHODS.**
- E. HYDRO-SEEDING AND/OR EROSION CONTROL BLANKETS ARE REQUIRED ON ALL SLOPES 3:1 AND STEEPER, OR AS SITE CONDITIONS DICTATE FOR FOR THE PERMANENT ESTABLISHMENT OF GRASS.**
- F. ALL PERMANENT SEEDING AREAS SHALL RECEIVE 4" MIN. TOPSOIL LAYER.**

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**CHOCTAW COUNTY JAIL
BUTLER,
ALABAMA**

CONSTRUCTION DOCUMENTS

Project Number: 22-1189
Date: 3 JUNE 2024
Revisions:

NOTES & BMP PLAN

Sheet Description

Sheet Number

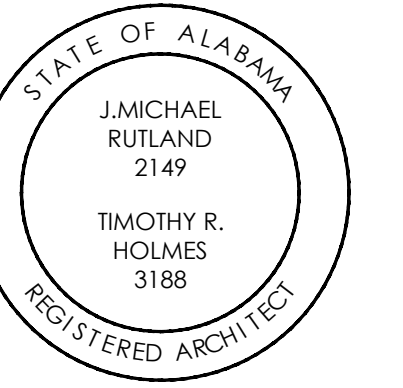
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224 BROAD ST. SUITE 201
GADSDEN, AL 35901

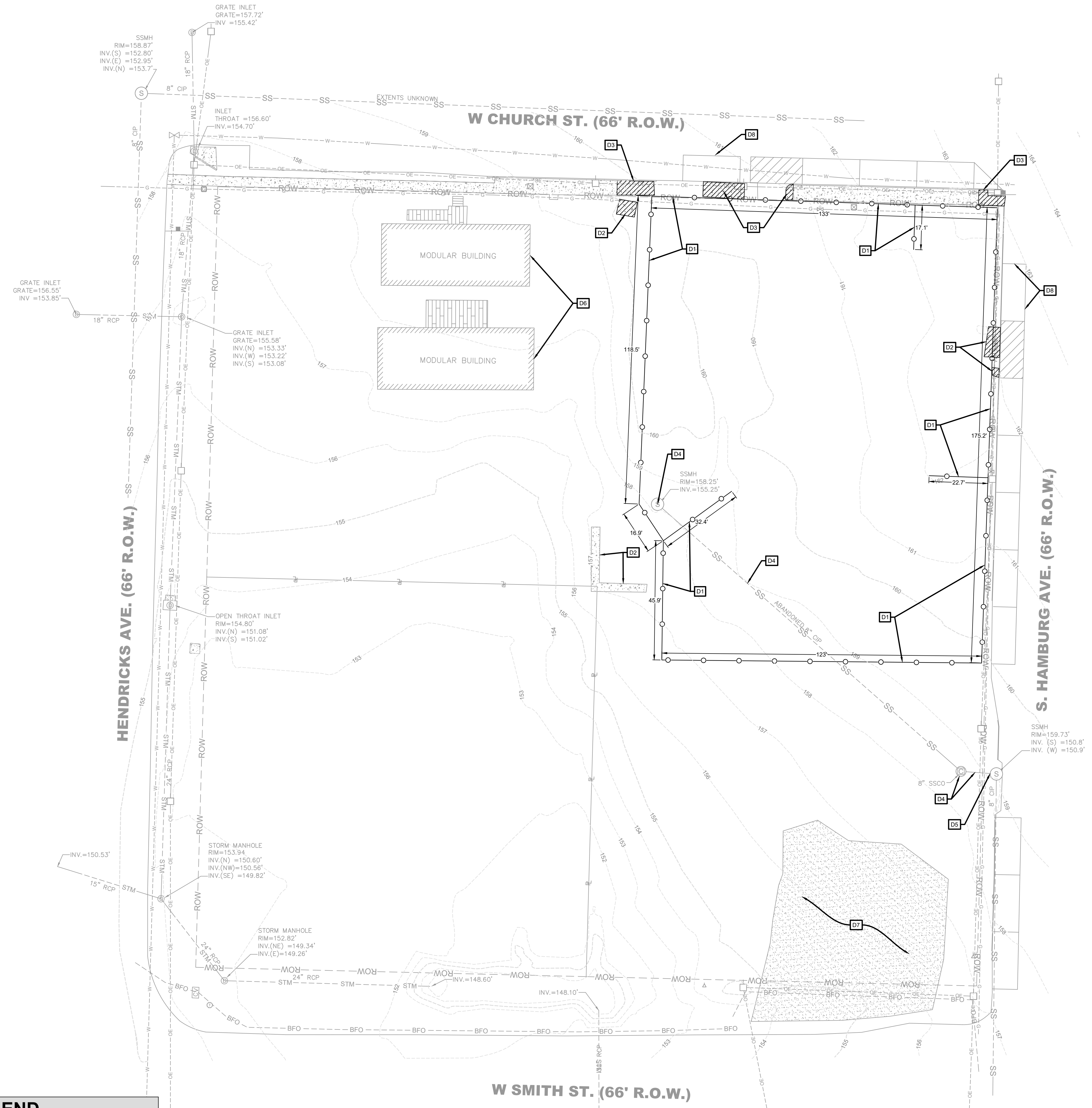
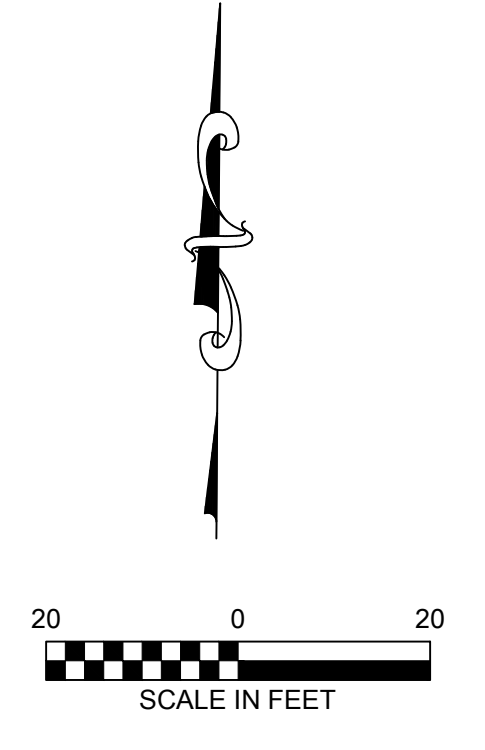
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**CHOCTAW COUNTY JAIL
BUTLER, ALABAMA**



DEMOLITION KEY NOTE LEGEND	
D1	FENCING - REMOVE EXISTING FENCING AS SHOWN, INCLUDING RAZOR WIRE
D2	MISC CONCRETE REMOVAL - REMOVE EXISTING CONCRETE INCLUDING BASE MATERIAL WHERE APPLICABLE
D3	SIDEWALK CONCRETE REMOVAL - REMOVE EXISTING SIDEWALK & ADJACENT CURBS, INCLUDING BASE MATERIAL, TO INSTALL NEW DRIVEWAY. COORDINATE WITH SITE PLAN FOR EXACT LOCATIONS.
D4	SANITARY SEWER - REMOVE EXISTING MANHOLE & CLEANOUT - REMOVE EXISTING SEWER LATERAL (8" CIP)
D5	SANITARY SEWER MANHOLE - GROUT FILL & SEAL PENETRATION FROM EXISTING 8" CIP LATERAL BEING REMOVED ON THE EXISTING MANHOLE
D6	PORTABLE BUILDINGS - TO BE REMOVED BY OWNER
D7	ASPHALT AREA - ALL ASPHALT TO BE REMOVED - ADD TOPSOIL & GRASSING AS NEEDED PER BMP PLAN.
D8	PAVEMENT MARKING - REMOVE OR BLACK-OUT PARKING SPACE STRIPING

NOTES
-COORDINATE ALL WORK WITH SHEET D1.1 "DEMOLITION PLAN"
-DEMOLITION WORK LISTED ABOVE IS THE REQUIRED MINIMUM. KEY NOTE LABELS SHOWN HEREON ARE TYPICAL IN NATURE AND DO NOT IDENTIFY ALL LOCATIONS FOR REQUIRED DEMOLITION. ITEMS IN CONFLICT WITH PROPOSED IMPROVEMENTS SHALL BE REMOVED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
-LIMITS OF CONSTRUCTION IS DEFINED AS THE MINIMUM AREA NECESSARY FOR A COMPLETE JOB. ALL EFFORTS SHALL BE MADE TO PRESERVE VEGETATION ADJACENT TO REQUIRED WORK THROUGHOUT THE PROJECT. KEEP DISTURBANCE TO A MINIMUM.
-ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE SPECIFICATION SECTIONS.

CONSTRUCTION DOCUMENTS

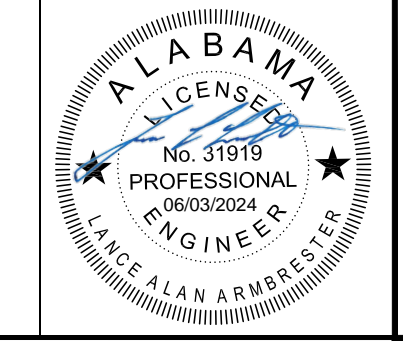
Project Number: 22-1189
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Revisions:

Sheet Description
EXISTING CONDITIONS & DEMOLITION PLAN

Sheet Number

C1.2

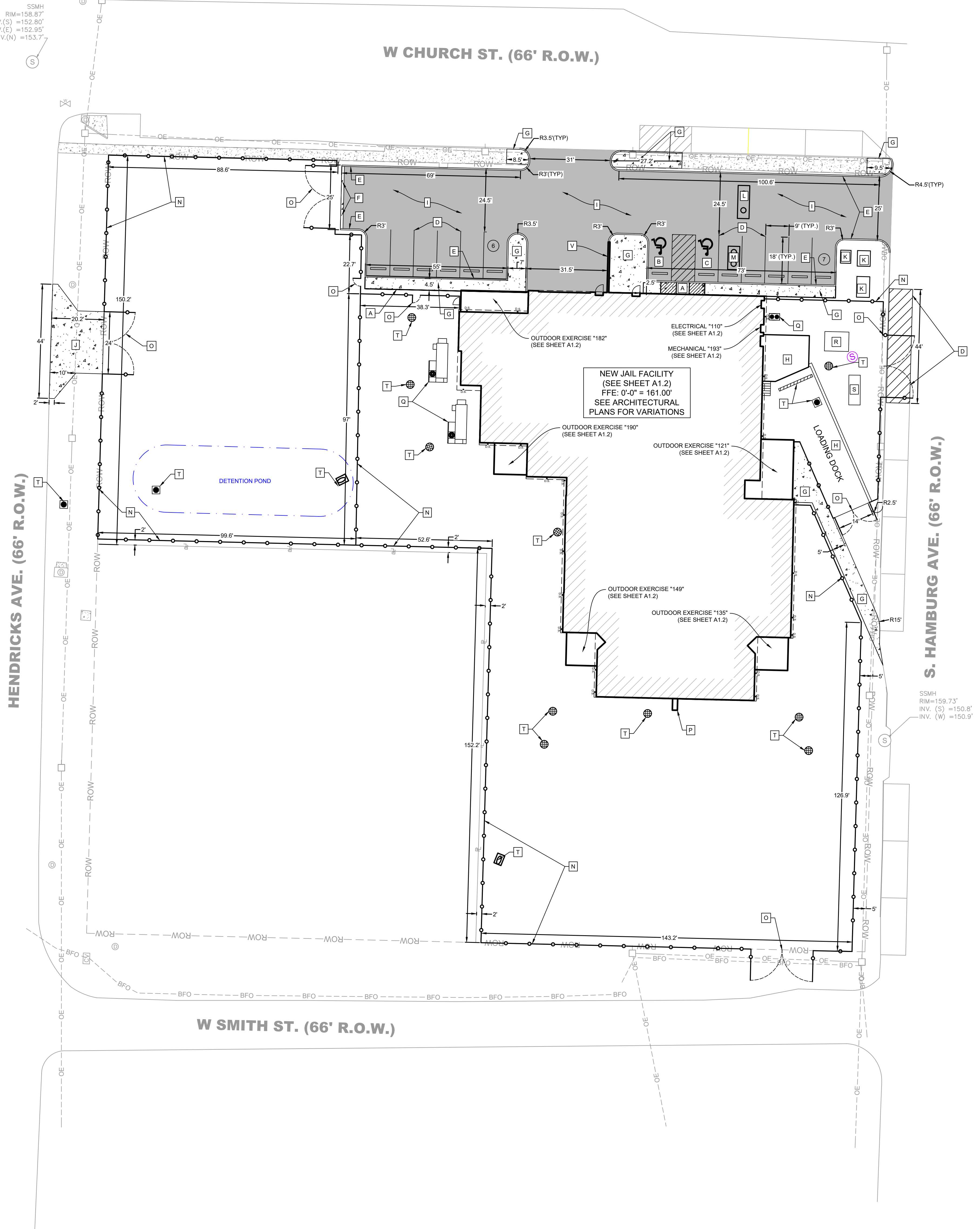
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KEY NOTE LEGEND

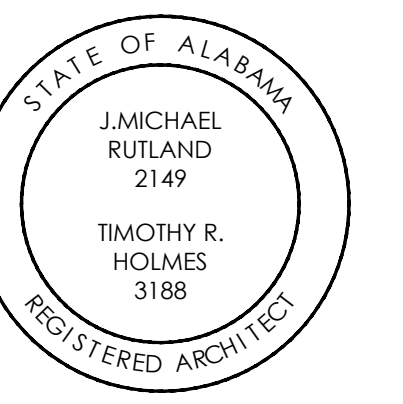
A	ADA PARALLEL RAMP, SEE DETAIL
B	ADA ACCESSIBLE PARKING, AISLES, AND WALL MOUNTED SIGNAGE, SEE DETAIL
C	ADA VAN ACCESSIBLE PARKING, AISLES, AND SIGNAGE, SEE DETAIL
D	PARKING STRIPING AS SHOWN, SEE DETAIL
E	CONCRETE TYPE "N" CURB, SEE DETAIL
F	CONCRETE RIBBON CURB, SEE DETAIL
G	CONCRETE SIDEWALK, SEE DETAIL
H	LOADING DOCK, SEE ARCHITECTURAL & STRUCTURAL PLANS FOR DETAILS
I	HEAVY-DUTY ASPHALT PAVEMENT (PER GEOTECHNICAL REPORT BY TTL, INC.)
J	RIGID CONCRETE PAVEMENT (PER GEOTECHNICAL REPORT BY TTL, INC.)
K	UTILITY VAULT, SEE SHEET C-303
L	DETENTION CENTER SEPARATION BASIN, SEE SHEET P1.3
M	2000 GALLON GREASE TRAP, SEE SHEET P1.3
N	FENCING, SEE ARCHITECTURAL PLANS FOR DETAIL
O	GATE, SEE ARCHITECTURAL PLANS FOR DETAIL
P	ALTERNATING STAIR, SEE SHEET A4.1
Q	HVAC, SEE SHEET M3.1
R	PAD MOUNT TRANSFORMER, SEE SHEET E2.1
S	NATURAL GAS GENERATOR, SEE SHEET E2.1
T	STORM STRUCTURE, SEE GRADING AND DRAINAGE PLAN
U	CONCRETE PARKING BUMPER (TYPICAL EACH PARKING STALL), SEE DETAIL
V	DOUBLE SIDED SPLITFACE CMU, SEE SHEET A1.1



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**CHOCTAW
COUNTY JAIL
BUTLER,
ALABAMA**

**CONSTRUCTION
DOCUMENTS**

Project Number: 22-1189
Date: 3 JUNE 2024
Revisions:

Sheet Description

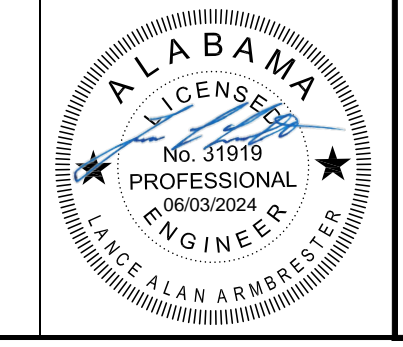
SITE PLAN

Sheet Number

C3.1

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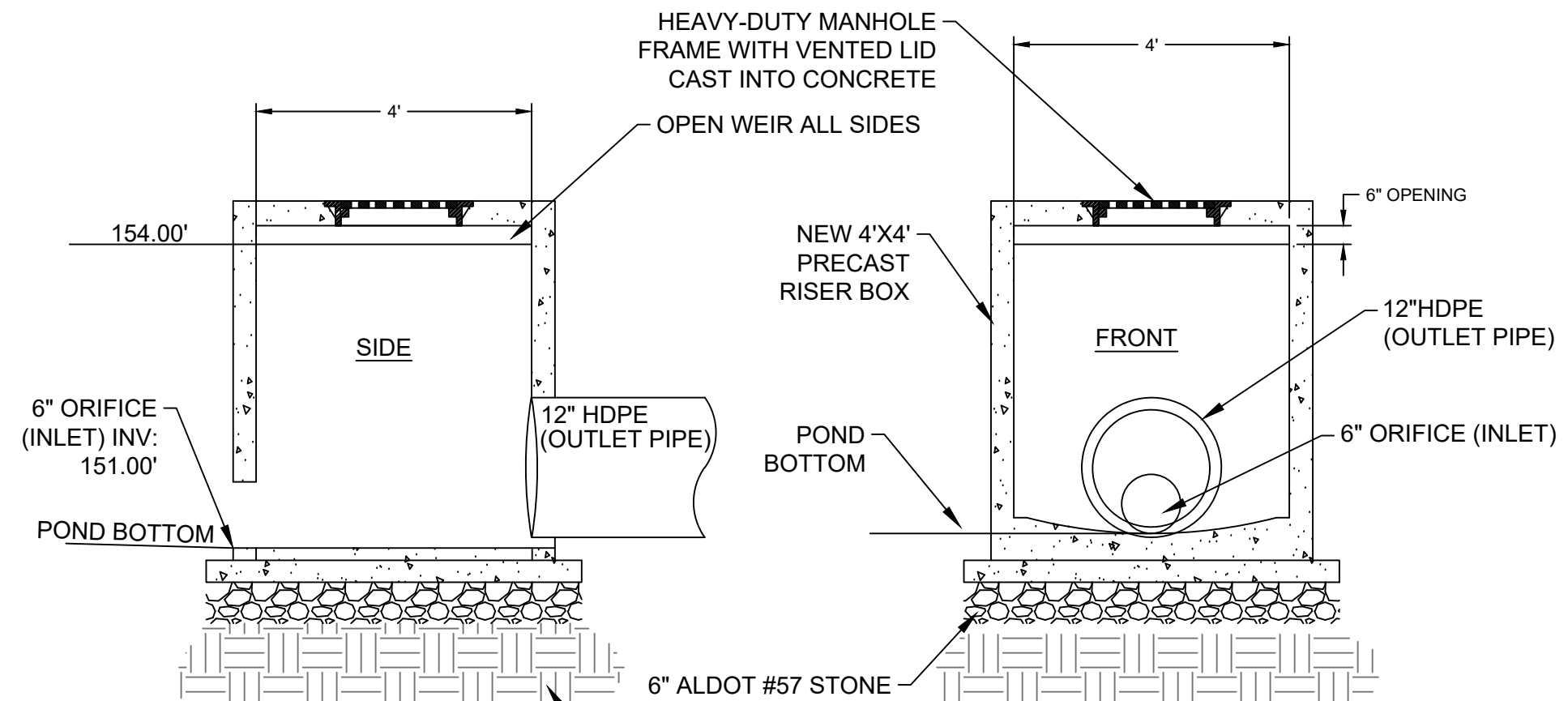
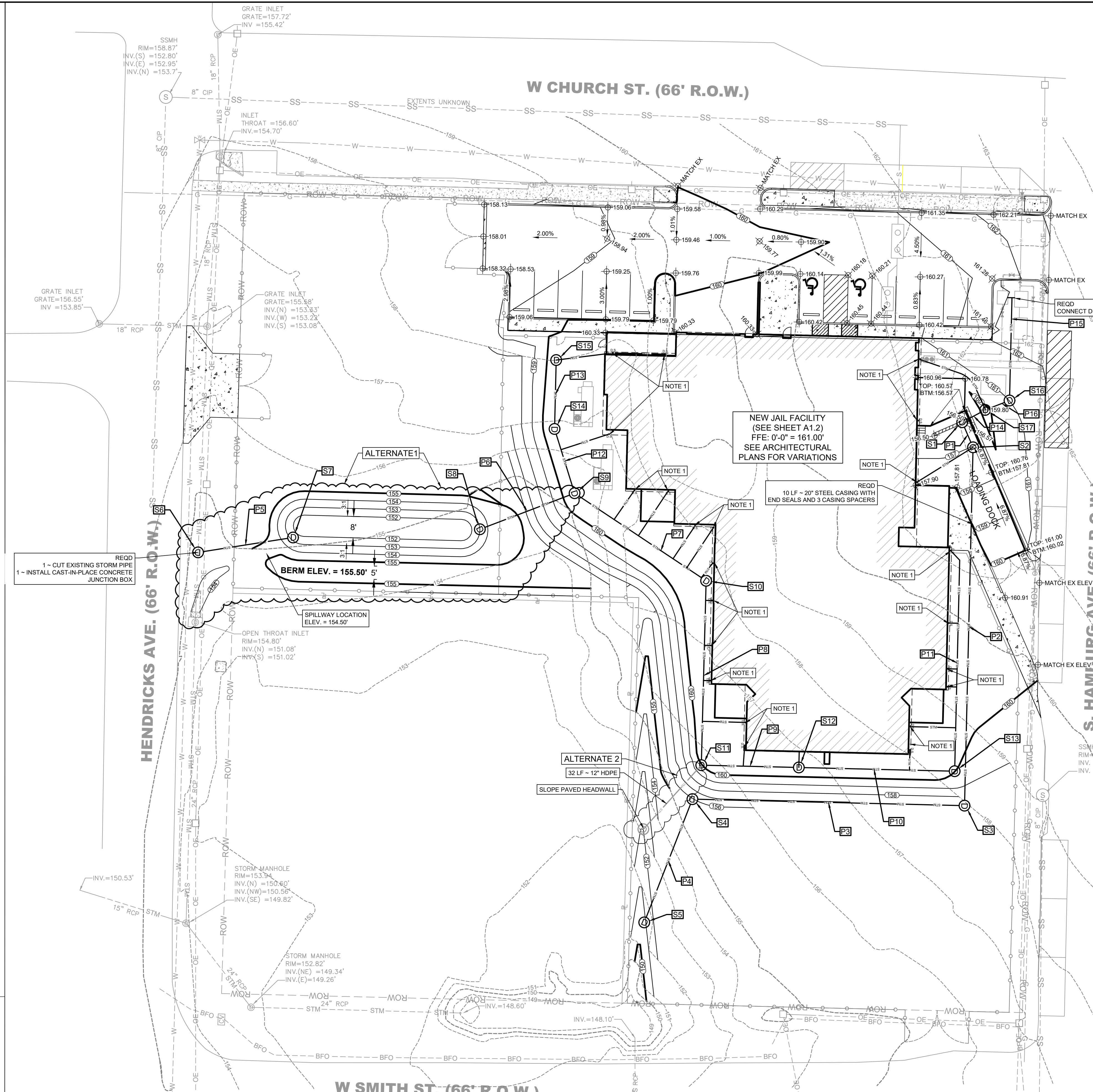


STORM STRUCTURE TABLE				
ID	TYPE	ELEVATIONS	PIPES IN	PIPES OUT
S1	2'x2' CONCRETE JUNCTION BOX W/ TRENCH DRAIN	RIM = 156.50 SUMP = 153.90 INV IN = 154.00 INV OUT = 153.90	P14 - INV IN =154.00	P1 - INV OUT =153.90
S2	CONCRETE JUNCTION BOX W/SOLID LID	RIM = 157.03 SUMP = 153.68 INV IN = 153.79 INV OUT = 153.68	P1 - INV IN =153.79	P2 - INV OUT =153.68
S3	PVC DRAIN BASIN W/SOLID LID	RIM = 157.96 SUMP = 152.23 INV IN = 152.34 INV OUT = 152.23	P2 - INV IN =152.34	P3 - INV OUT =152.23
S4	PVC DRAIN BASIN W/SOLID LID	RIM = 155.91 SUMP = 151.10 INV IN = 151.21 INV OUT = 151.10	P3 - INV IN =151.21	P4 - INV OUT =151.10
S5	SLOPE PAVED HEADWALL	INV IN = 150.20	P4 - INV IN =150.20	
S6	CONCRETE JUNCTION BOX W/SOLID LID	RIM = 157.72 SUMP = 151.50 INV IN = 151.50	P5 - INV IN =151.50	
S7	OUTLET STRUCTURE SEE DETAIL FOR ADDITIONAL INFO	RIM = 154.10 SUMP = 152.00 INV OUT = 152.00		P5 - INV OUT =152.00
S8	SLOPE PAVED HEADWALL	INV IN = 153.00	P6 - INV IN =153.00	
S9	PVC DRAIN BASIN W/18" GRATE INLET	RIM = 160.47 SUMP = 154.91 INV IN = 157.04 INV IN = 155.02 INV OUT = 154.91	P12 - INV IN =157.04 P7 - INV IN =155.02	P6 - INV OUT =154.91
S10	PVC DRAIN BASIN W/SOLID LID	RIM = 160.69 SUMP = 155.57 INV IN = 155.68 INV OUT = 155.57	P8 - INV IN =155.68	P7 - INV OUT =155.57
S11	PVC DRAIN BASIN W/SOLID LID	RIM = 159.90 SUMP = 156.35 INV IN = 156.45 INV OUT = 156.35	P9 - INV IN =156.45	P8 - INV OUT =156.35
S12	PVC DRAIN BASIN W/SOLID LID	RIM = 160.33 SUMP = 156.82 INV IN = 156.93 INV OUT = 156.82	P10 - INV IN =156.93	P9 - INV OUT =156.82
S13	PVC DRAIN BASIN W/SOLID LID	RIM = 160.01 SUMP = 157.49 INV IN = 157.60 INV OUT = 157.49	P11 - INV IN =157.60	P10 - INV OUT =157.49
S14	PVC DRAIN BASIN W/SOLID LID	RIM = 160.42 SUMP = 157.46 INV IN = 157.56 INV OUT = 157.46	P13 - INV IN =157.56	P12 - INV OUT =157.46
S15	PVC DRAIN BASIN W/SOLID LID	RIM = 160.19 SUMP = 158.00 INV OUT = 158.00		P13 - INV OUT =158.00
S16	4" WYE W / CLEANOUT	INV IN = 156.00 INV OUT = 156.00	P15 - INV IN =156.00	P16 - INV OUT =156.00
S17	PVC DRAIN BASIN W/ 18" GRATE	RIM = 159.80 SUMP = 154.90 INV IN = 155.00 INV OUT = 154.90	P16 - INV IN =155.00	P14 - INV OUT =154.90

THE ELEVATIONS AND SLOPES SHOWN IN THE STORM STRUCTURES AND PIPES TABLES ARE REPRESENTATIVE OF THE ACCEPTANCE OF ALTERNATE 1. IF ALTERNATE 2 IS ACCEPTED IN LIEU OF ALTERNATE 1, A NEW DRAWING WILL BE ISSUED UPDATING THE TABLES.

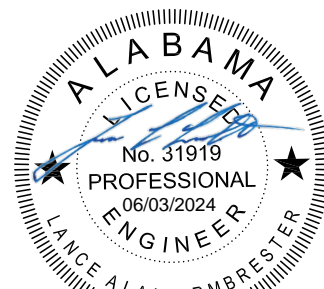
STORM PIPE TABLE				
ID	SIZE	LENGTH	SLOPE	MATERIAL
P1	12"	10'	1.12%	Corrugated HDPE Pipe
P2	12"	134'	1.00%	Corrugated HDPE Pipe
P3	12"	102'	1.00%	Corrugated HDPE Pipe
P4	18"	50'	1.81%	Corrugated HDPE Pipe
P5	12"	36'	1.39%	Corrugated HDPE Pipe
P6	12"	38'	5.02%	Corrugated HDPE Pipe
P7	12"	55'	1.00%	Corrugated HDPE Pipe
P8	12"	67'	1.00%	Corrugated HDPE Pipe
P9	12"	37'	1.00%	Corrugated HDPE Pipe
P10	12"	56'	1.00%	Corrugated HDPE Pipe
P11	12"	77'	1.17%	Corrugated HDPE Pipe
P12	12"	21'	2.00%	Corrugated HDPE Pipe
P13	12"	22'	2.00%	Corrugated HDPE Pipe
P14	8"	10'	9.21%	DUCTILE IRON
P15	4"	39'	2.08%	CL 200 PVC
P16	4"	10'	10.22%	CL 200 PVC

ROOF DRAIN NOTES:
 NOTE 1: CONNECT ALL NEW DOWNSPOUT TO ADJACENT 12" HDPE STORM DRAINS USING 6" HDPE LATERAL PIPING ALONG WITH INSERTA TEES OR TEE FITTINGS. COORDINATE LOCATIONS WITH SHEET A6.4 "WALL SECTIONS" & A9.1 "ROOF PLAN"
 NOTE 2: SEE ARCHITECTURAL PLANS AND SPOT ELEVATIONS IMMEDIATELY OUTSIDE OF THE BUILDING INCLUDING EXERCISE YARDS.

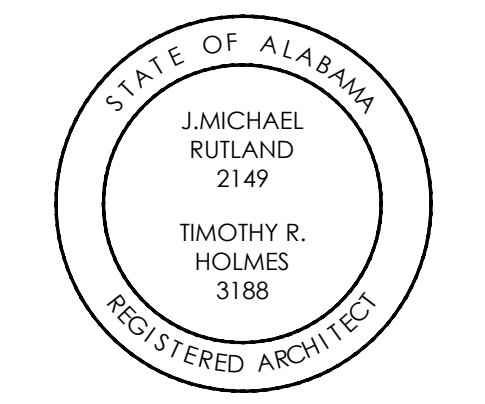


NOTE:
 1. CONTRACTOR SHALL COMPLETELY SEAL AND GROUT SIDEWALL OF JUNCTION BOX AT PIPE TIE LOCATIONS TO INSURE WATERTIGHT CONNECTION.
DETENTION OUTLET STRUCTURE
 NOT TO SCALE

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**CHOCTAW COUNTY JAIL
 BUTLER,
 ALABAMA**

CONSTRUCTION DOCUMENTS

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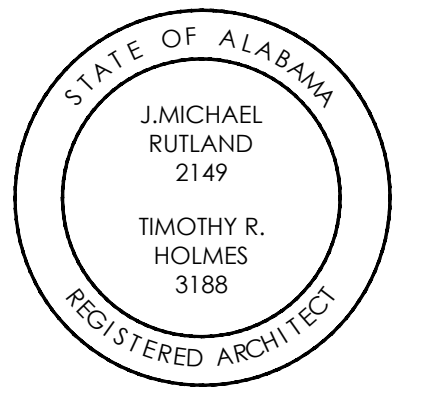
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**GRADING &
 DRAINAGE
 PLAN**

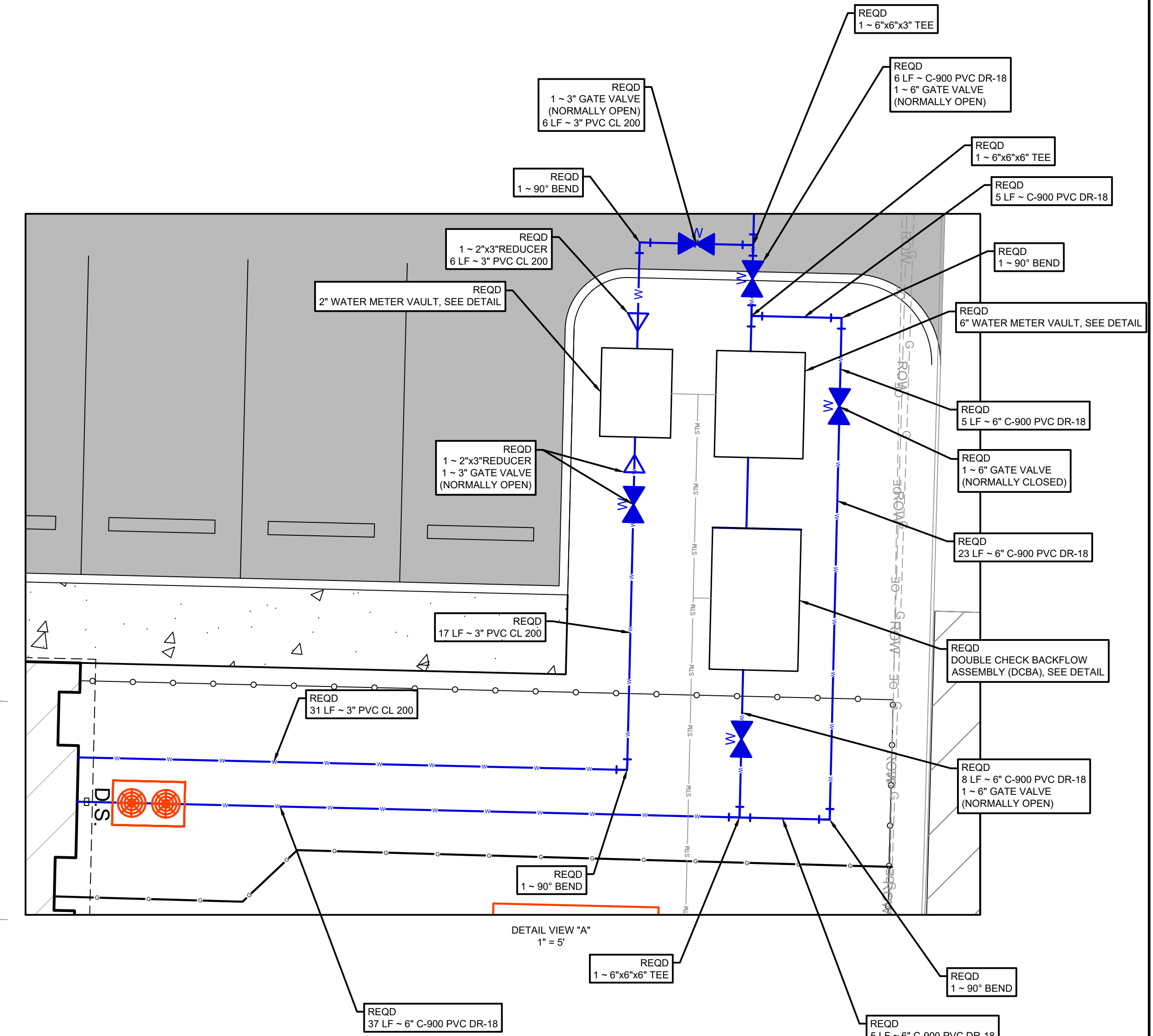
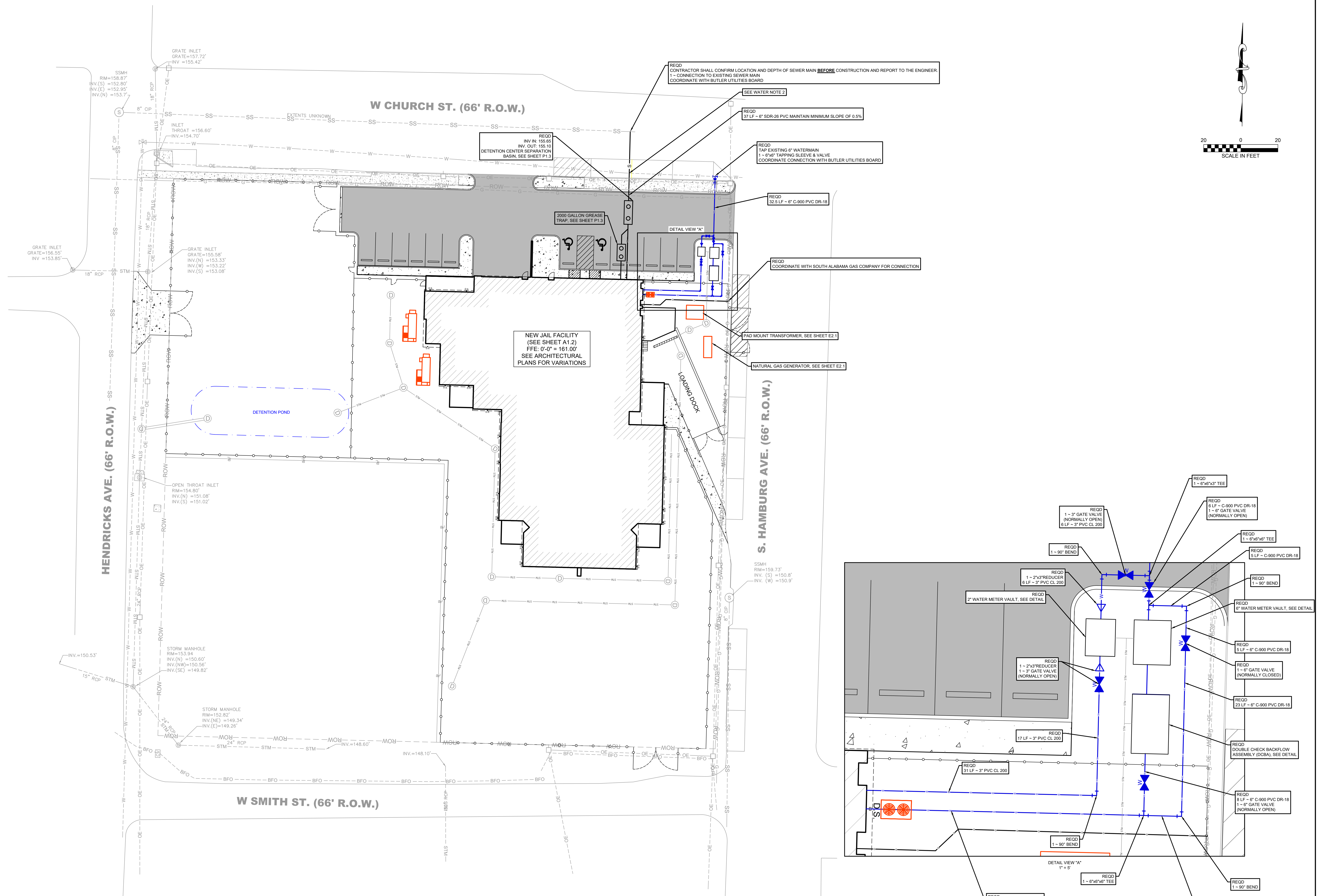
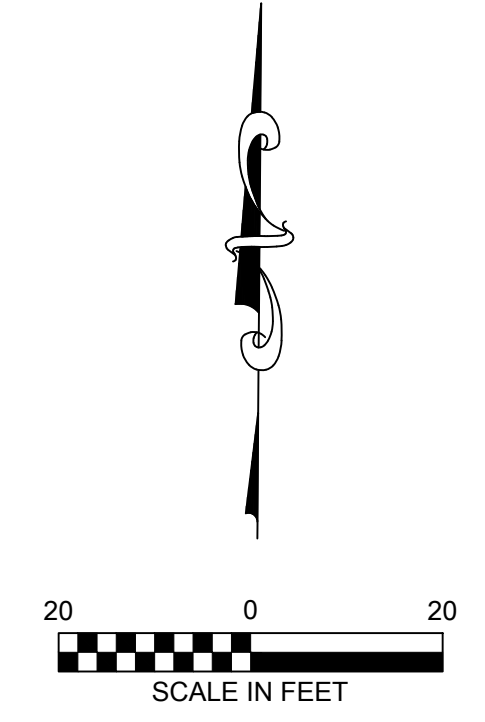
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PRINTED: 6/3/2024 @ 4:57PM FILE NAME: C:\Users\jrh101\OneDrive\Documents\Projects\2023\Choctaw County Jail\Civil_Construction Plans\C-302 GRADING & DRAINAGE PLAN.dwg



**CHOCTAW COUNTY JAIL
BUTLER,
ALABAMA**



CONSTRUCTION DOCUMENTS

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Sheet Description

UTILITY PLAN

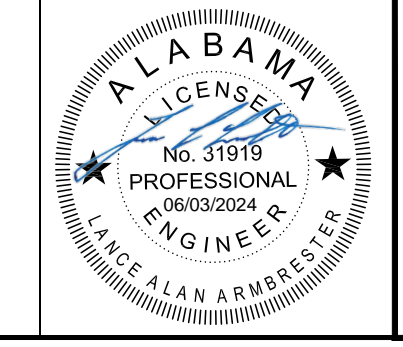
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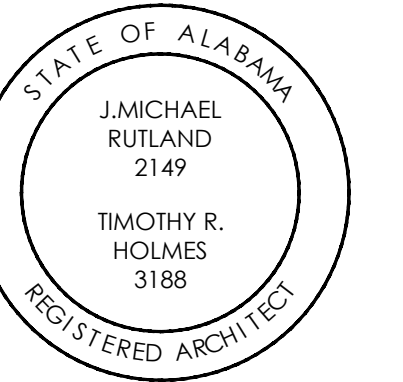
WATER NOTES	
1.	EXISTING UTILITIES: THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE OWNER AND FIELD MEASUREMENTS. NEITHER THE OWNER NOR THE ENGINEER MAKES ANY EXPRESSED OR IMPLIED GUARANTEE OF THE ACCURACY OF UTILITIES SHOWN OR ANY GUARANTEE THAT ALL UTILITIES LOCATED WITHIN THE CONSTRUCTION AREA ARE SHOWN HEREIN. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES PRIOR TO INSTALLATION OF ANY NEW LINES.
2.	WATER LINES SHALL BE: - INSTALLED WITH A MINIMUM HORIZONTAL SEPARATION OF 5 FEET FROM SANITARY SEWERS, WHEN CROSSING GRAVITY SEWERS OR FORCE MAINS, WATER LINES SHALL BE INSTALLED WITH A MINIMUM VERTICAL SEPARATION OF 1 FOOT AND THE WATER LINE SHALL BE CASED WITH 10 LINEAR FEET OF STEEL PIPE. SEE UTILITY CROSSING DETAIL.
3.	WATER MAIN SIZES 6" SHALL BE: - C900 DR-18 PVC - MARKED WITH NO. 10 COPPER LOCATOR WIRE - 36" MINIMUM COVER <i>NOTE: SEE TYPICAL TRENCH DETAIL FOR ADDITIONAL INFORMATION</i>
4.	WATER MAIN SIZES 2" & 3" SHALL BE: - CL 200 PVC - MARKED WITH NO. 10 COPPER LOCATOR WIRE - 36" MINIMUM COVER <i>NOTE: SEE TYPICAL TRENCH DETAIL FOR ADDITIONAL INFORMATION</i>
5.	CONTRACTOR SHALL FURNISH ALL BENDS AND FITTINGS AS REQUIRED FOR WATER MAIN INSTALLATION: - 6" C900 PVC - ALL BENDS AND FITTINGS SHALL BE DUCTILE IRON (D.I.) MECHANICAL JOINT (M.J.) - ALL VALVES, BENDS, FITTINGS, AND TAPPING SLEEVES AND VALVES SHALL HAVE CONCRETE THRUST BLOCKS. SEE DETAIL. - ALL FITTINGS SHALL BE THE SAME SIZE AND PRESSURE RATING AS THE PIPE. - ALL VALVES SHALL BE DUCTILE IRON (D.I.)

SANITARY SEWER NOTES	
1.	EXISTING UTILITIES: THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE OWNER AND FIELD MEASUREMENTS. NEITHER THE OWNER NOR THE ENGINEER MAKES ANY EXPRESSED OR IMPLIED GUARANTEE OF THE ACCURACY OF UTILITIES SHOWN OR ANY GUARANTEE THAT ALL UTILITIES LOCATED WITHIN THE CONSTRUCTION AREA ARE SHOWN HEREIN. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES PRIOR TO INSTALLATION OF ANY NEW LINES.
2.	6" SANITARY SEWER MAINS SHALL BE: - SDR-26 PVC - INSTALLED AT LOCATIONS AND SLOPE STATED ON PLANS - MARKED WITH NO. 10 COPPER LOCATOR WIRE - 36" MINIMUM COVER <i>NOTE: SEE TYPICAL TRENCH DETAIL FOR ADDITIONAL INFORMATION</i>
3.	CONTRACTOR SHALL FURNISH ALL BENDS, FITTINGS, AND CLEANOUTS AS REQUIRED FOR SEWER MAIN & LATERAL INSTALLATION: - PIPE LENGTHS AND SLOPES CAN BE FOUND ON PLANS <i>NOTE: SEE TYPICAL CLEANOUT DETAILS FOR ADDITIONAL INFORMATION</i>

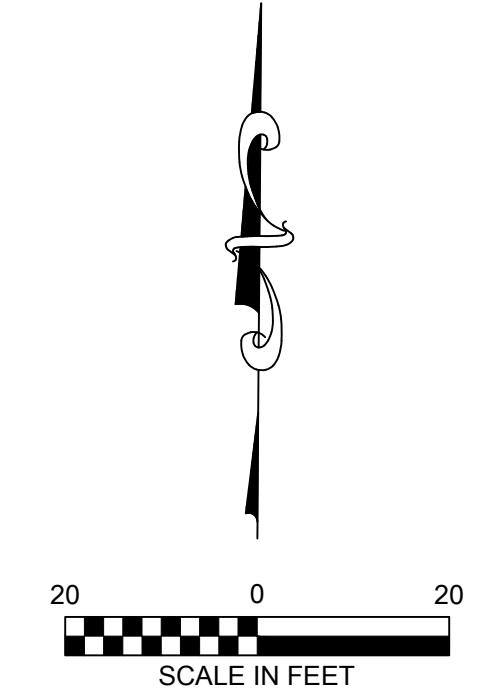
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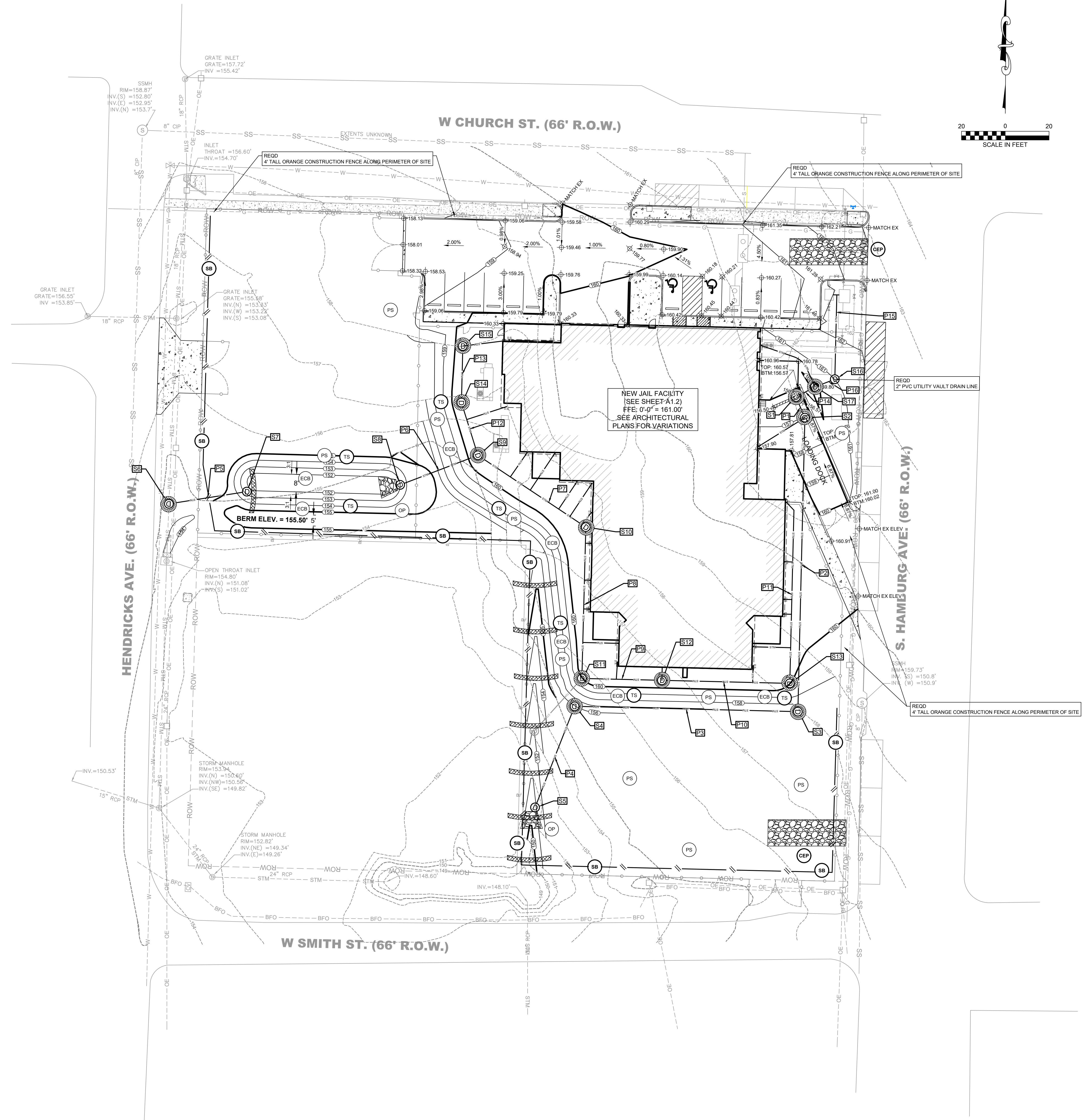


**CHOCTAW COUNTY JAIL
BUTLER, ALABAMA**



EROSION CONTROL		
SEDIMENT BARRIER (SILT FENCE)	SB	
CONSTRUCTION EXIT PAD	CEP	
OUTLET PROTECTION	OP	
INLET PROTECTION	IP	
WATTLE CHECK DAM	WCD	
EROSION CONTROL BLANKET	ECB	
SAND BAG INLET PROTECTION	SBP	
SEDIMENT BARRIER (STRAW WATTLE)	SB	
PERMANENT SEEDING	PS	
PERMANENT SEEDING	TS	

RIPRAP TABLE			
ID	MATERIAL	TONNAGE	DIMENSIONS (NOT TO SCALE)
OP	CLASS 2 RIPRAP, 18" DEPTH, SEE DETAIL	10 TONS	



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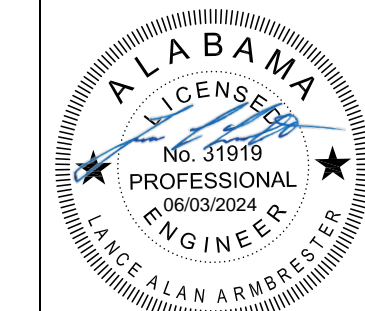
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EROSION & SEDIMENT CONTROL PLAN

Sheet Number

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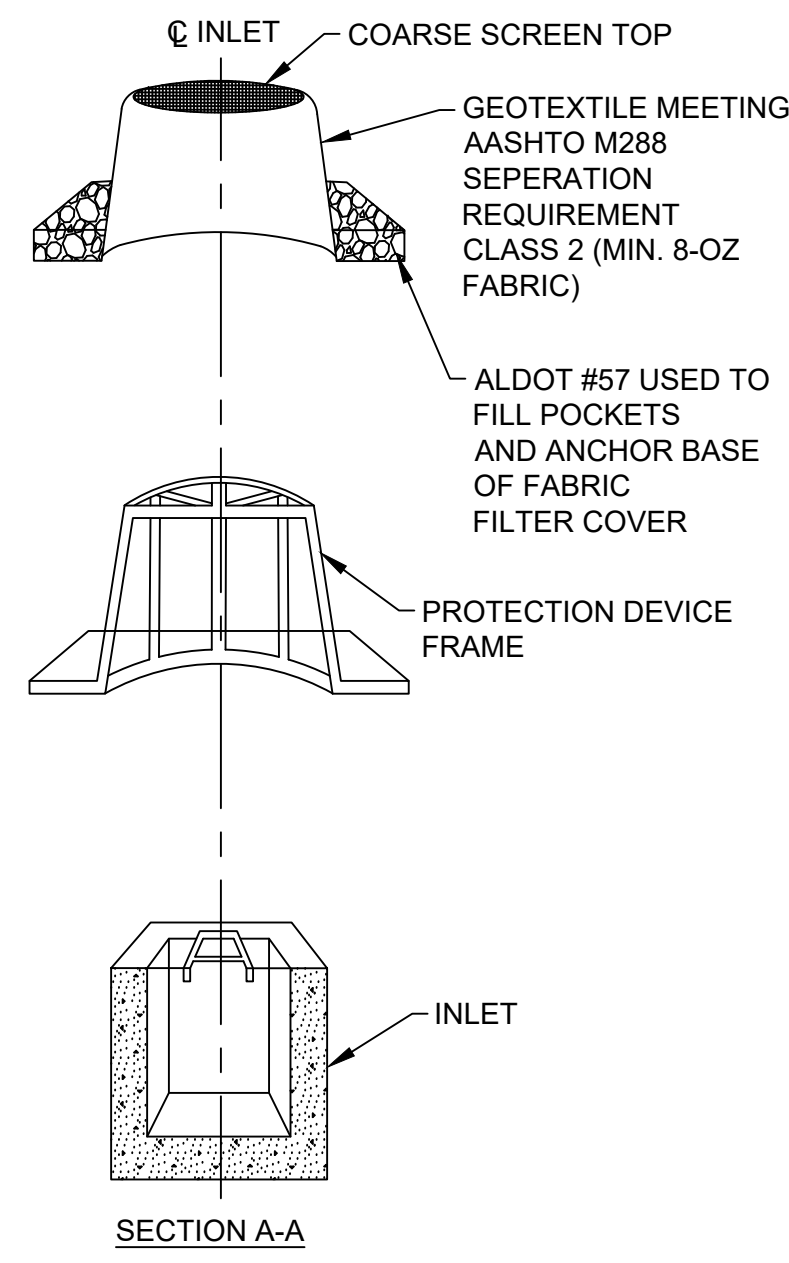
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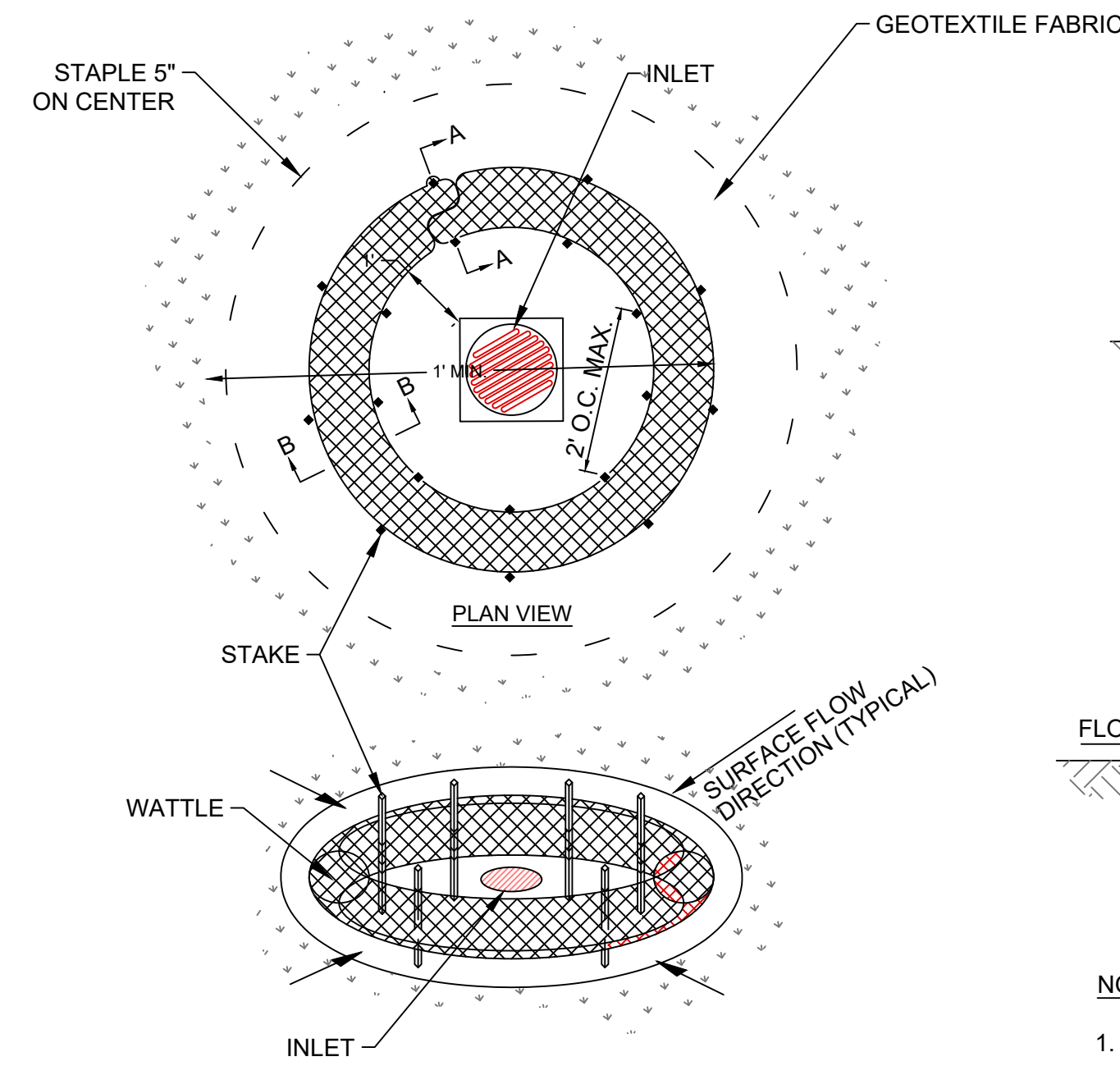


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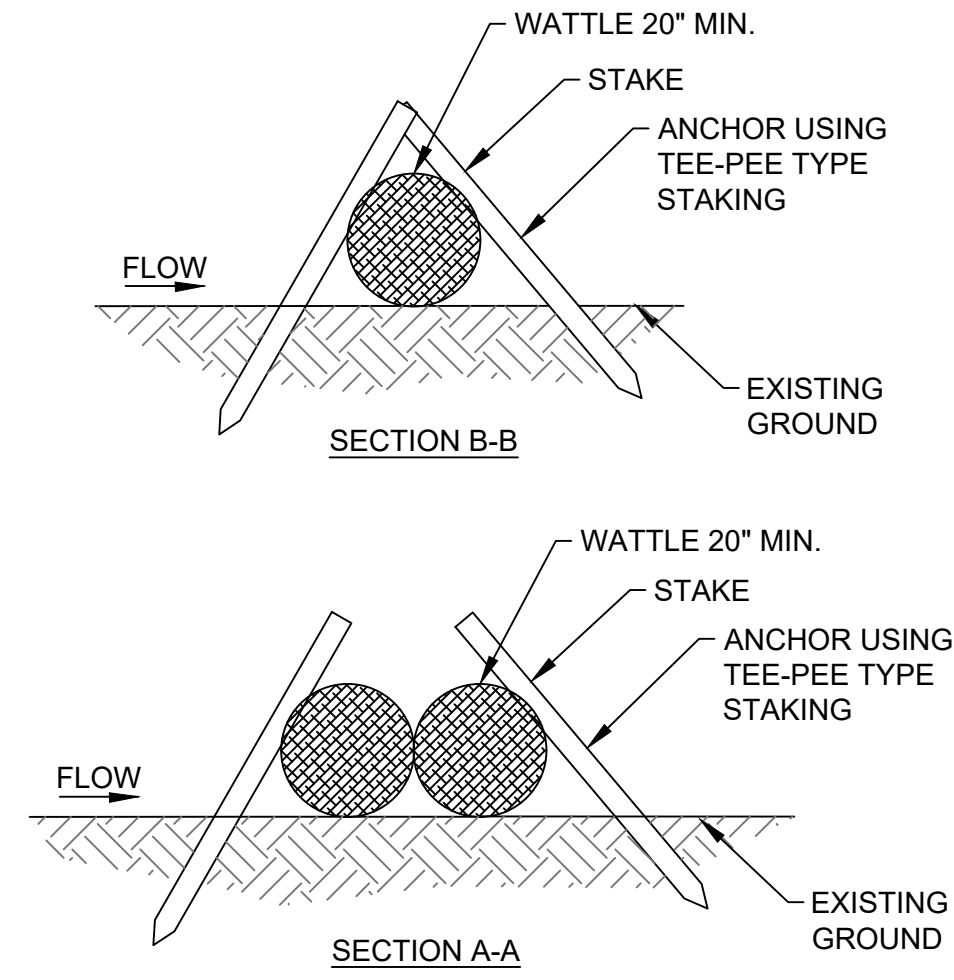
- FRAMES WITH EITHER SQUARE OR CIRCULAR BASES MAY BE USED. SELECTED FRAME BASE SHOULD PROVIDE BEST SEAL AROUND INLET AS DIRECTED BY OWNER'S REPRESENTATIVE.
- FILL POCKETS AROUND BASE OF FILTER COVER WITH ALDOT #57 STONE OR SOIL. STONE IS REQUIRED WHEN ANCHORING THE MANUFACTURED INLET PROTECTION DEVICE OVER PAVED DITCH OR FLUME.
- USE ONLY DURING STAGE 3 AND 4 INLET CONSTRUCTION.
- REMOVE SEDIMENT FROM AROUND THE MANUFACTURED INLET PROTECTION DEVICE WHEN SEDIMENT HAS REACHED 1/2 THE FABRIC HEIGHT TAKING CARE NOT TO DAMAGE THE FABRIC DURING SEDIMENT REMOVAL.
- REPLACE FABRIC WHEN DAMAGED OR BECOMES CLOGGED WITH SEDIMENT AND DOES NOT DRAIN PROPERLY.



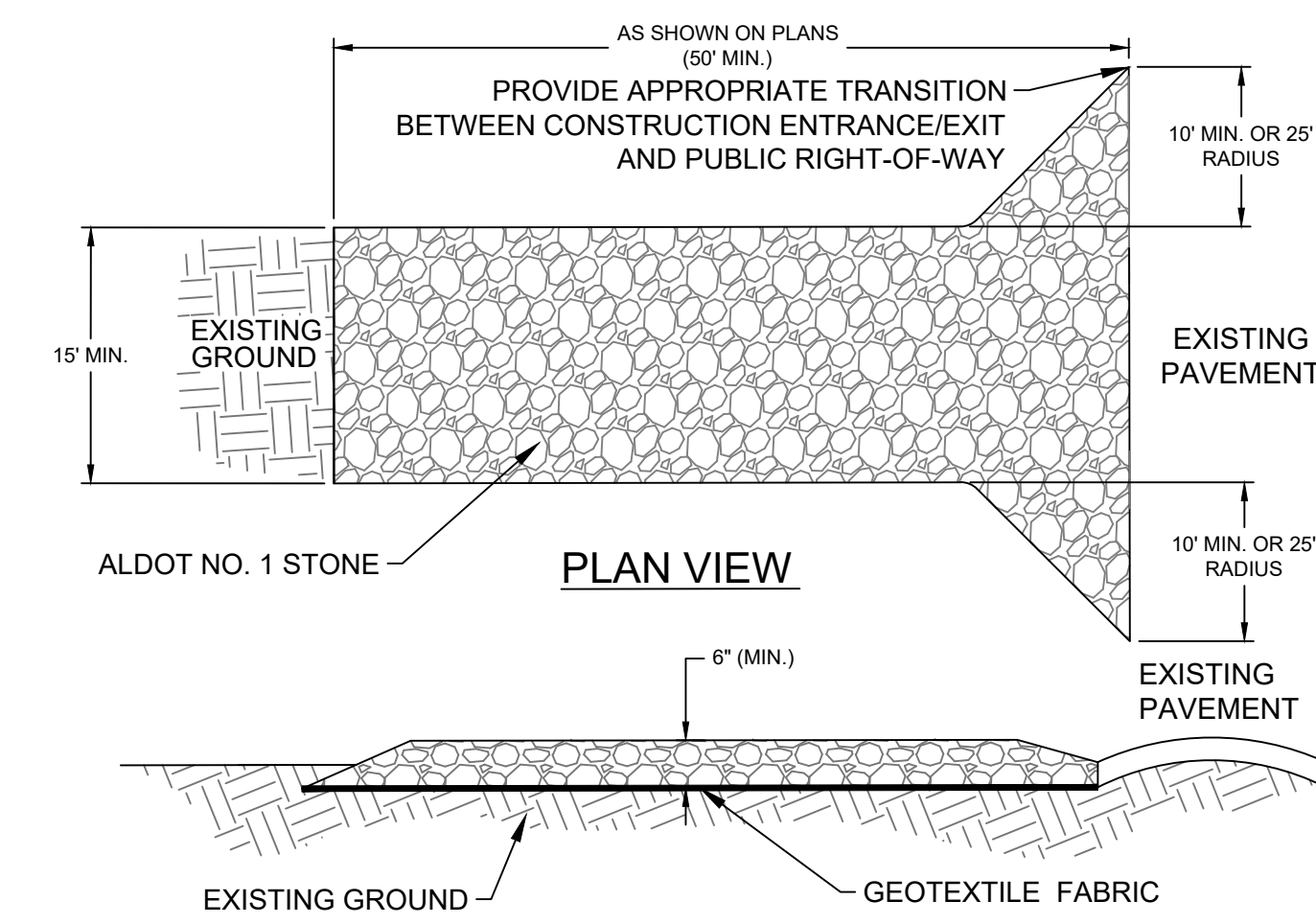
MANUFACTURED DEVICE INLET PROTECTION
NOT TO SCALE



WATTLE INLET PROTECTION
NOT TO SCALE

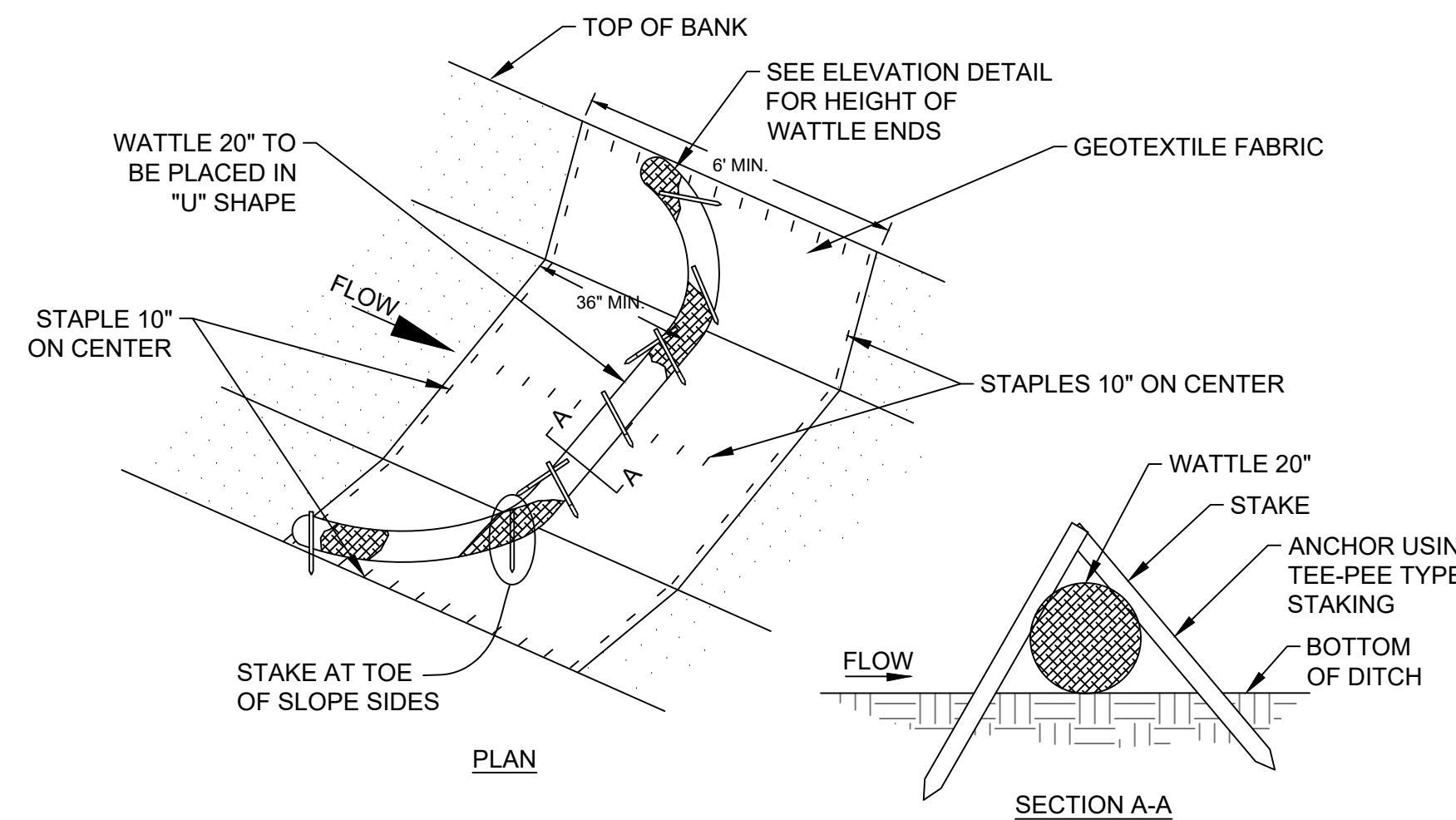


- NOTES:**
- ANCHORING STAKES SHALL BE SIZED, SPACED, AND BE A MATERIAL THAT EFFECTIVELY SECURES THE WATTLE. STAKE SPACING SHALL BE A MAXIMUM OF THREE FEET.
 - OVERLAP ENDS OF WATTLES PER MANUFACTURERS RECOMMENDATIONS (1" MIN., 3" MAX.)
 - SEDIMENT DEPOSITS MUST BE REMOVED AND STABILIZED WHEN THEY REACH A DEPTH OF 1/2 THE HEIGHT OF THE WATTLE TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN EVENT.
 - WORN, DAMAGED, OR ROTTEN WATTLES MUST BE REPLACED.



- NOTES:**
- STONE - ALDOT NO. 1 (2 - 3 INCHES)
 - LENGTH - 50' MIN
 - THICKNESS - 6" MIN.
 - WASHING - WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH, OR WATERCOURSE THROUGH USE OF SAND BAGS, GRAVEL, BOARDS OR OTHER APPROVED METHODS.
 - MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.

STONE CONSTRUCTION EXIT PAD
NOT TO SCALE



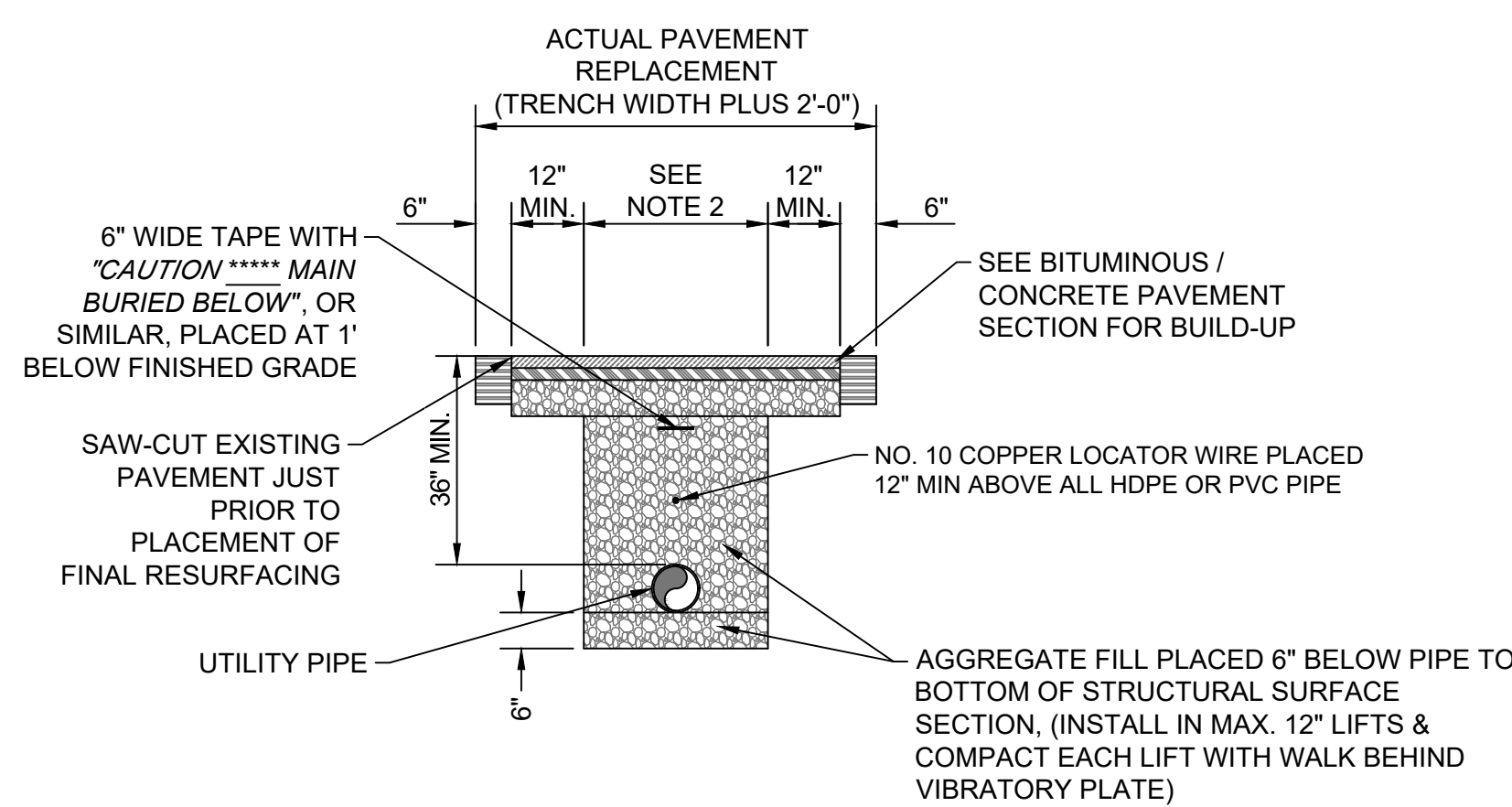
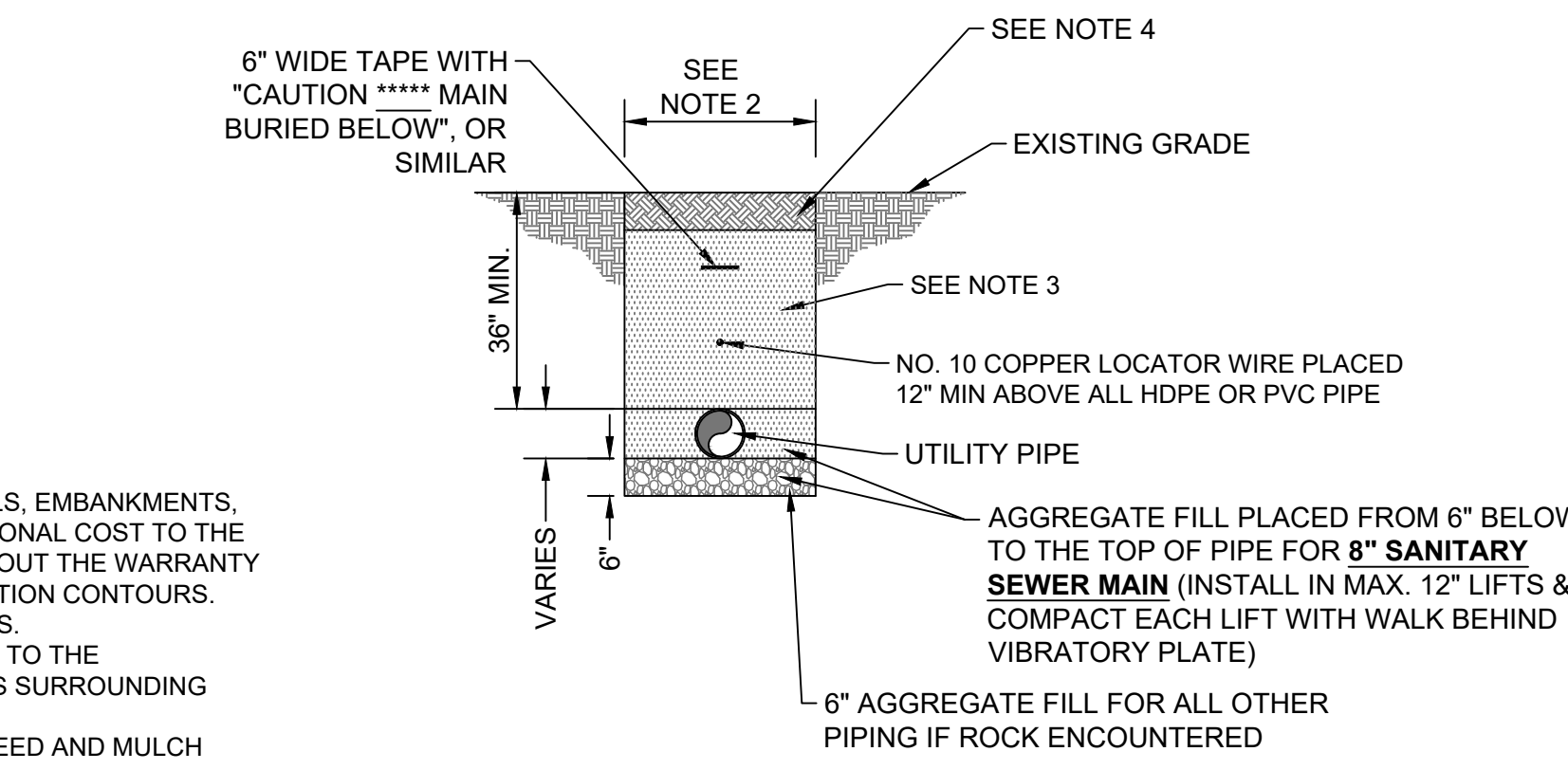
ELEVATION DETAIL

- NOTES:**
- MINIMUM RECOMMEND PLACEMENT INTERVAL BETWEEN WATTLE DITCH CHECK IS 100' UNLESS SHOWN OTHERWISE ON THE PLANS OR APPROVED BY THE ENGINEER.
 - ANCHORING STAKE SHALL BE SIZED, SPACED, DRIVEN AND BE OF A MATERIAL THAT EFFECTIVELY SECURES THE WATTLE. STAKE SPACING SHALL BE A MAXIMUM OF THREE FEET AND USE NON-DESTRUCTIVE TEE-PEE TYPE STAKING. ALL NON-DEGRADABLE MATERIALS SHALL BE REMOVED WHEN NO LONGER NEEDED.
 - WATTLES MUST BE STAPLED WITH SOD STAPLES ON 10-INCH CENTERS ON EACH SIDE OF THE WATTLE TO PREVENT FLOATION.
 - WATTLES SHOULD NOT BE USED IN HARD BOTTOM CHANNELS.
 - FOR USE IN LOW TO MEDIUM FLOW CONDITIONS.

STRAW WATTLE CHECK DAM
NOT TO SCALE

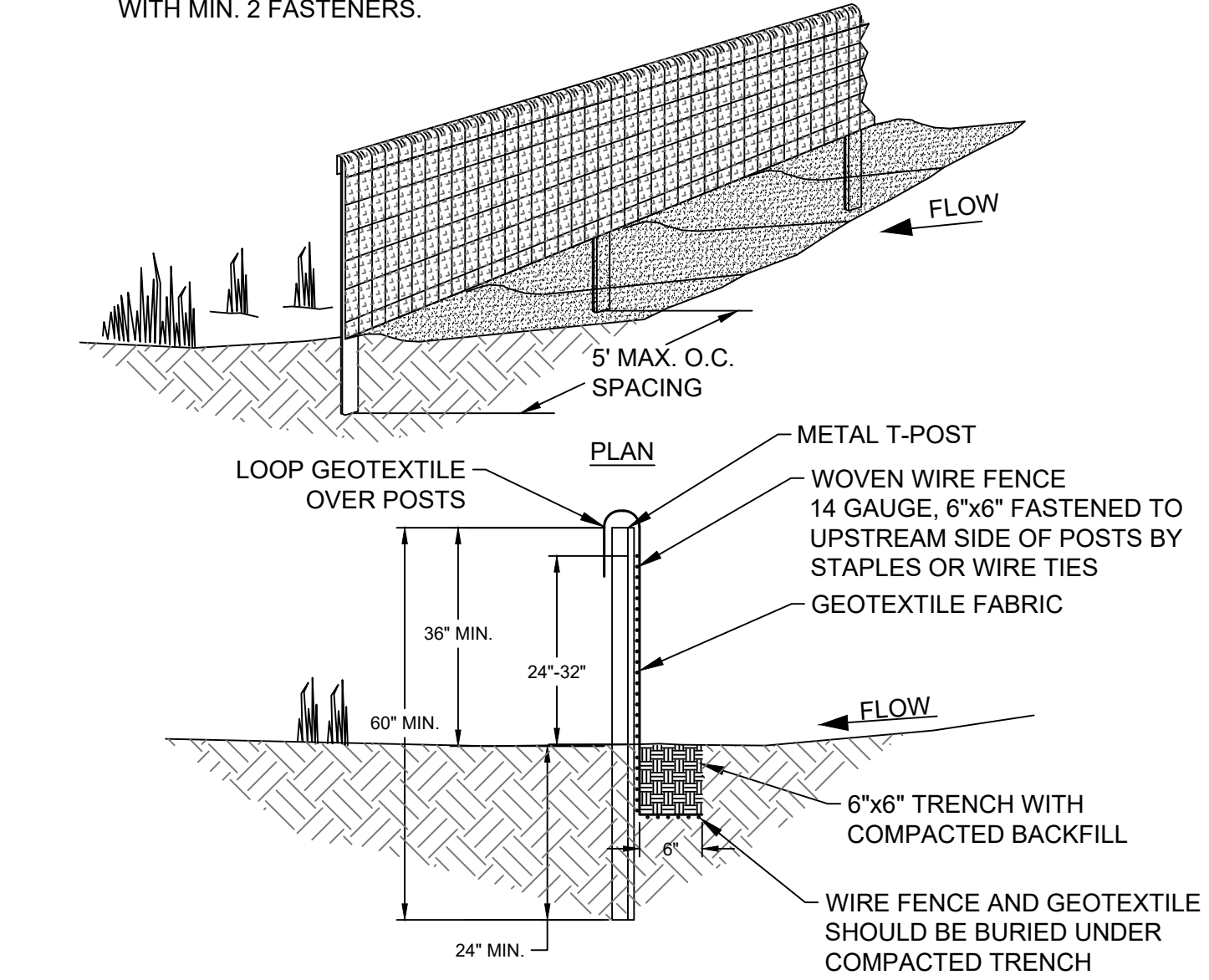
- NOTES:**
- THE CONTRACTOR SHALL REPAIR ALL EXCAVATED AREAS, BACKFILLS, EMBANKMENTS, TRENCHES, AND DITCHES WHICH MAY HAVE SETTLED, AT NO ADDITIONAL COST TO THE OWNER UNTIL FINAL ACCEPTANCE OF THE PROJECT AND THROUGHOUT THE WARRANTY PERIOD. ALL SUCH AREAS SHALL BE RESTORED TO PRE-CONSTRUCTION CONTOURS.
 - TRENCH WIDTHS SHALL BE IN ACCORDANCE WITH OSHA STANDARDS.
 - BACKFILL WITH EXCAVATED MATERIAL OR MATERIAL CONFORMING TO THE REQUIREMENTS FOR GENERAL FILL. COMPACT TO SAME DENSITY AS SURROUNDING MATERIAL.
 - 6" THICK TOPSOIL FREE OF ROCKS, SUITABLE FOR MOWING, WITH SEED AND MULCH

UTILITY TRENCH DETAIL - NON STRUCTURAL AREAS
NOT TO SCALE

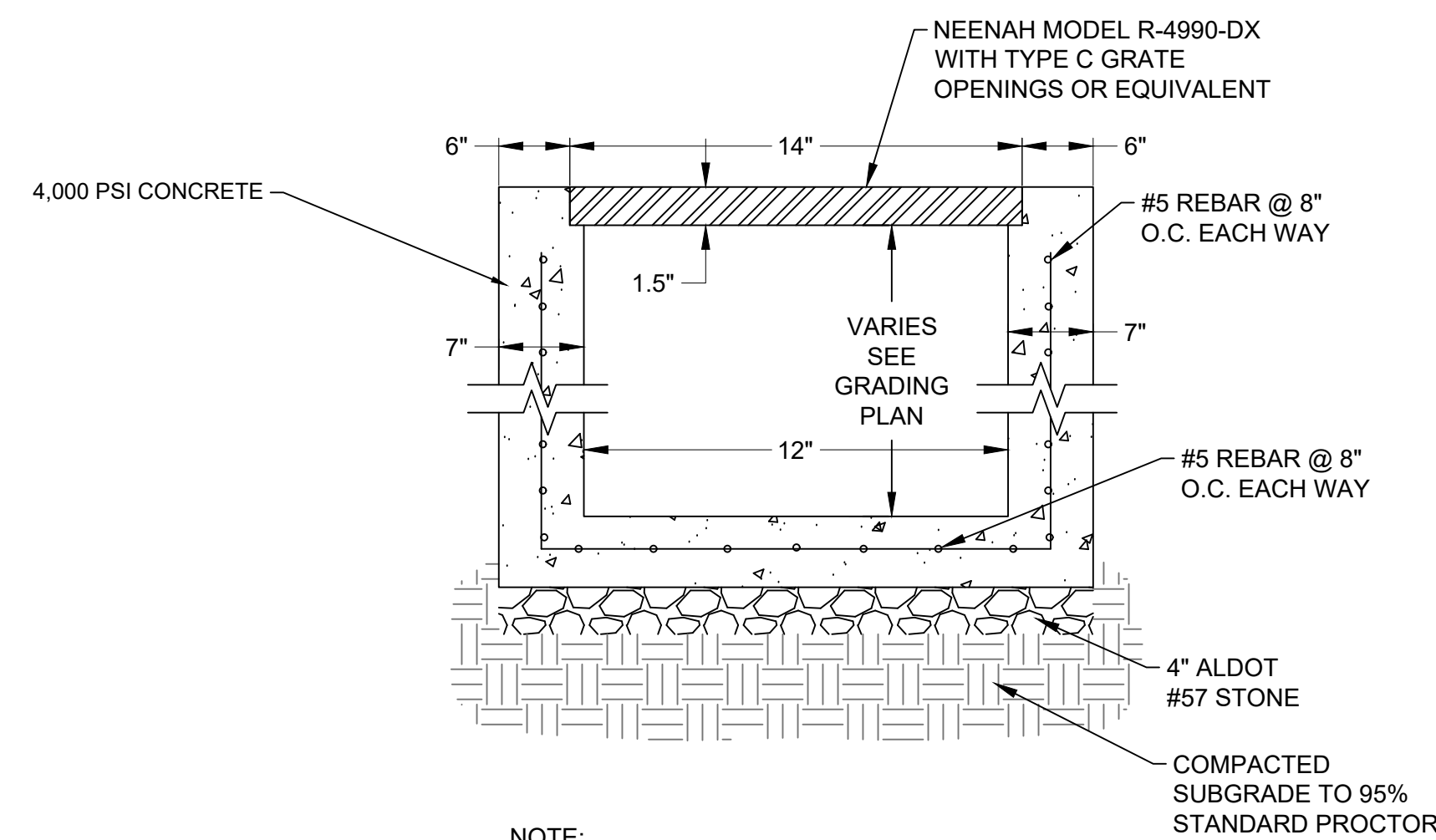


UTILITY TRENCH DETAIL STRUCTURAL AREAS
NOT TO SCALE

- NOTES:**
- INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 9' MAX. RECOMMENDED STORAGE HEIGHT.
 - REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
 - SILT FENCE WIRE FABRIC JOINTS SHALL OVERLAP A MIN. OF 2' AT POST AND FASTENED WITH MIN. 3 FASTENERS AND FILTER FABRIC SHALL OVERLAP A MIN. 2' AND FASTENED WITH MIN. 2 FASTENERS.



TYPE "A" SILT FENCE DETAIL
NOT TO SCALE

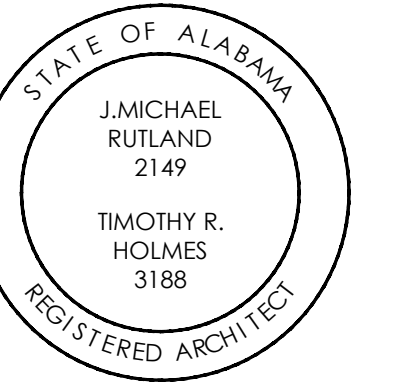


- NOTE:**
- CONTRACTOR SHALL COMPLETELY SEAL AND GROUT SIDEWALL OF TRENCH DRAIN AT PIPE TIE LOCATIONS TO INSURE WATERTIGHT CONNECTION.

HEAVY DUTY TRENCH DRAIN
CAST-IN-PLACE
NOT TO SCALE

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CHOCTAW COUNTY JAIL
BUTLER,
ALABAMA

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CONSTRUCTION DETAILS

Sheet Number

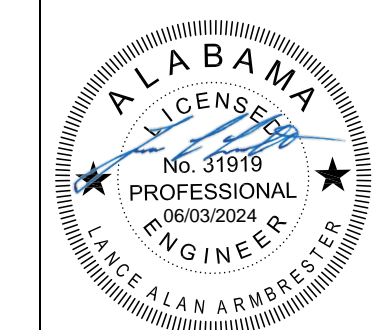
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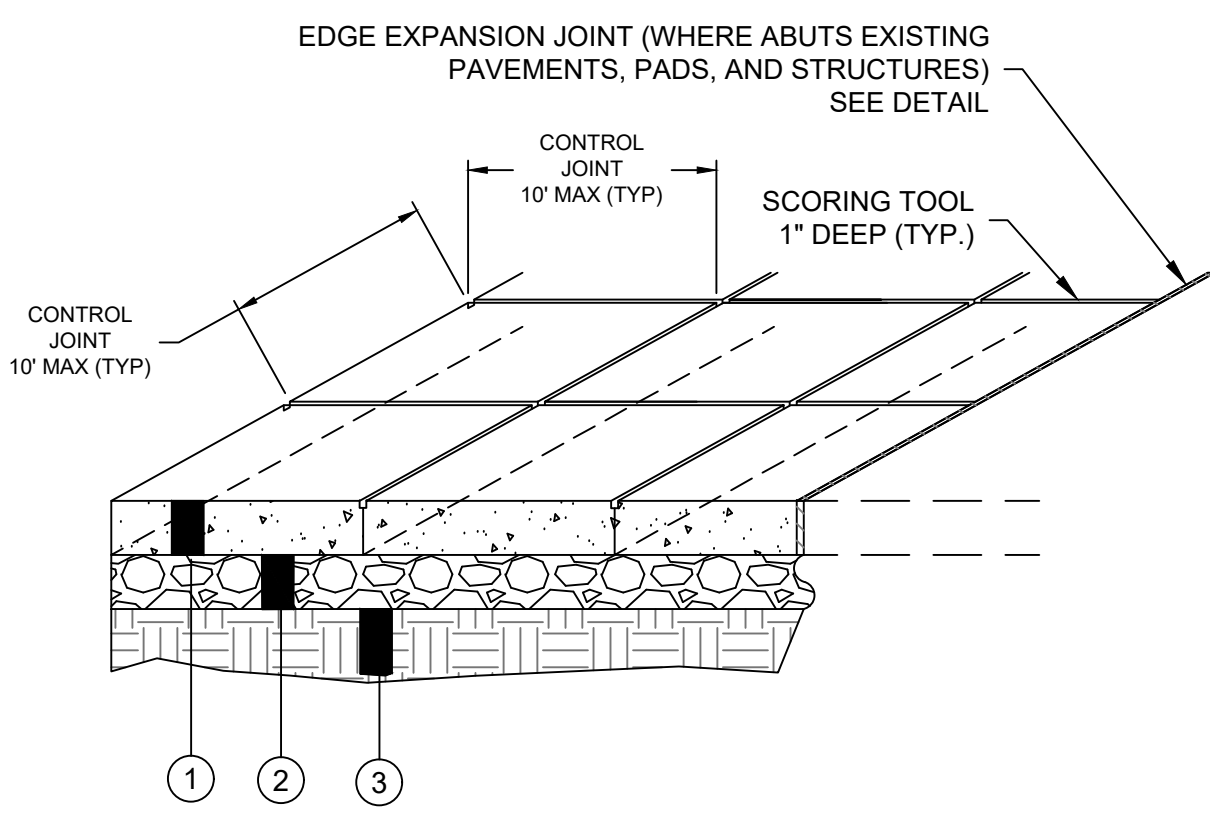
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224 BROAD ST. SUITE 201
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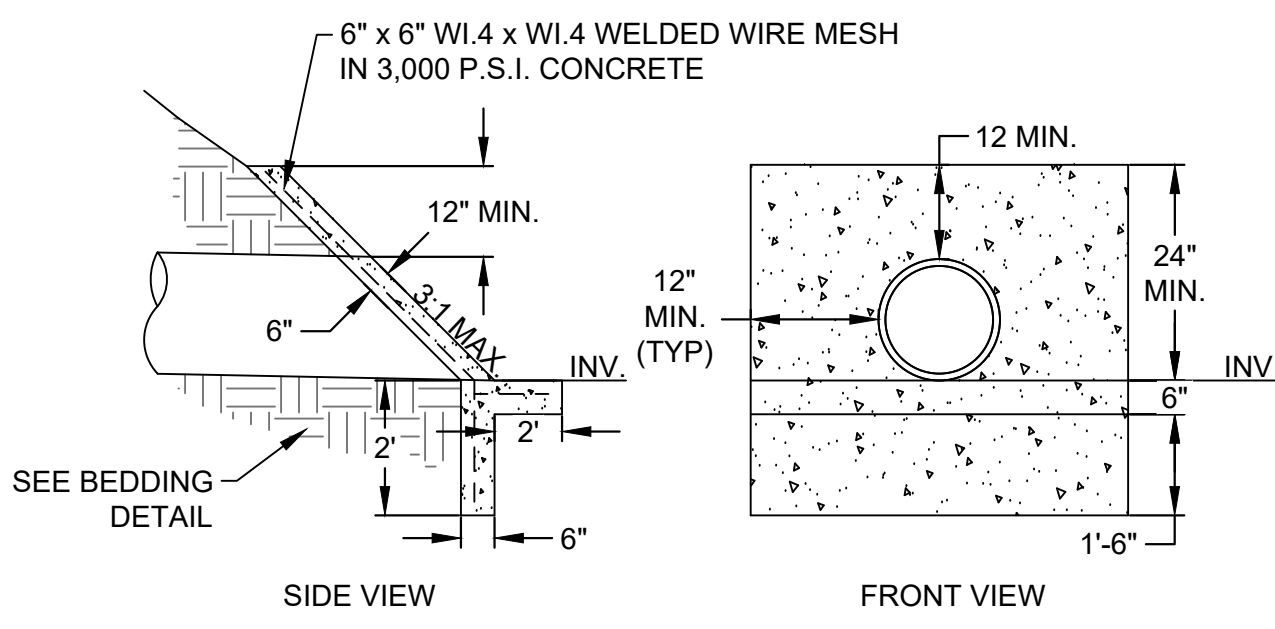
CDG PROJECT NUMBER: R60132251



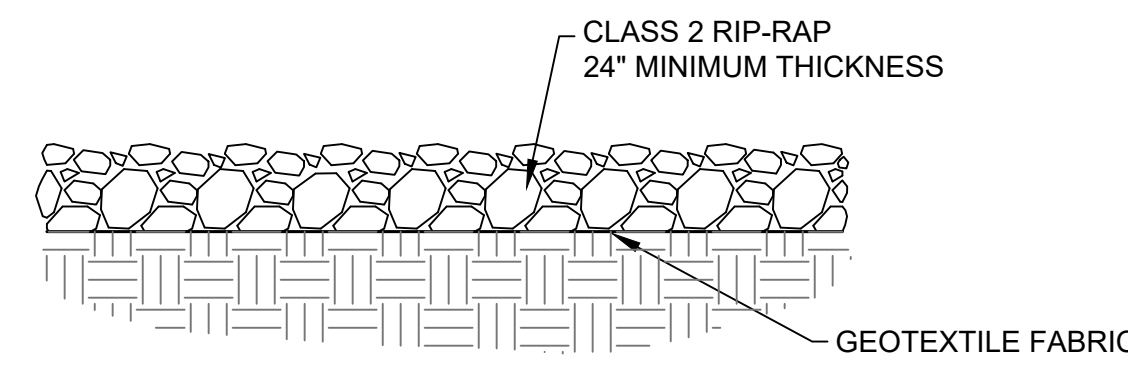


- 4" - 4,000 PSI FIBER REINFORCED COMPRESSIVE STRENGTH (550 PSI FLEXURAL STRENGTH) CONCRETE, MAXIMUM 4" SLUMP.
- 6" - CRUSHED AGGREGATE BASE COURSE, ALDOT 825, TYPE B, 6" COMPACTED THICKNESS
- SUB-GRADE (COMPACTED TO 98% STANDARD PROCTOR)

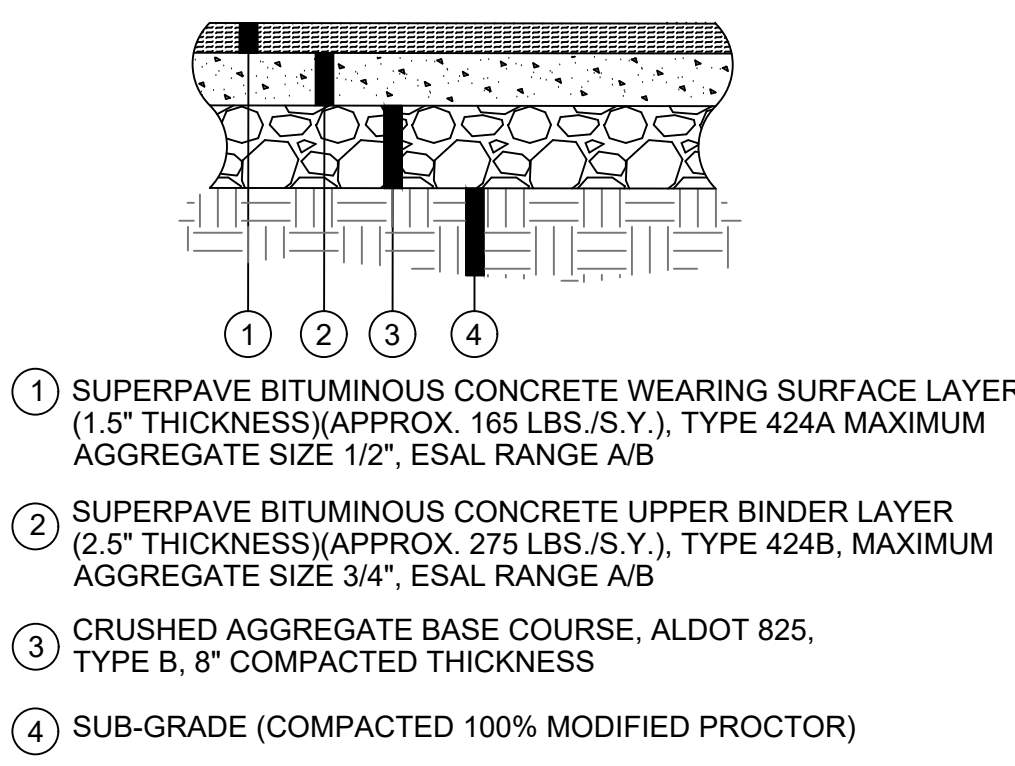
CONCRETE PAVEMENT SECTION
NOT TO SCALE



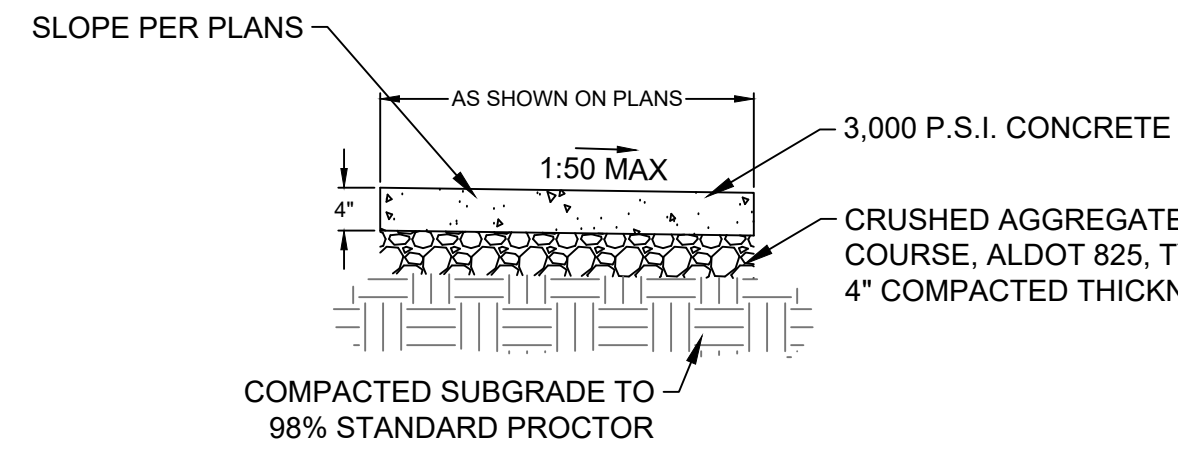
SLOPED PAVED HEADWALL
NOT TO SCALE



RIP RAP
NOT TO SCALE

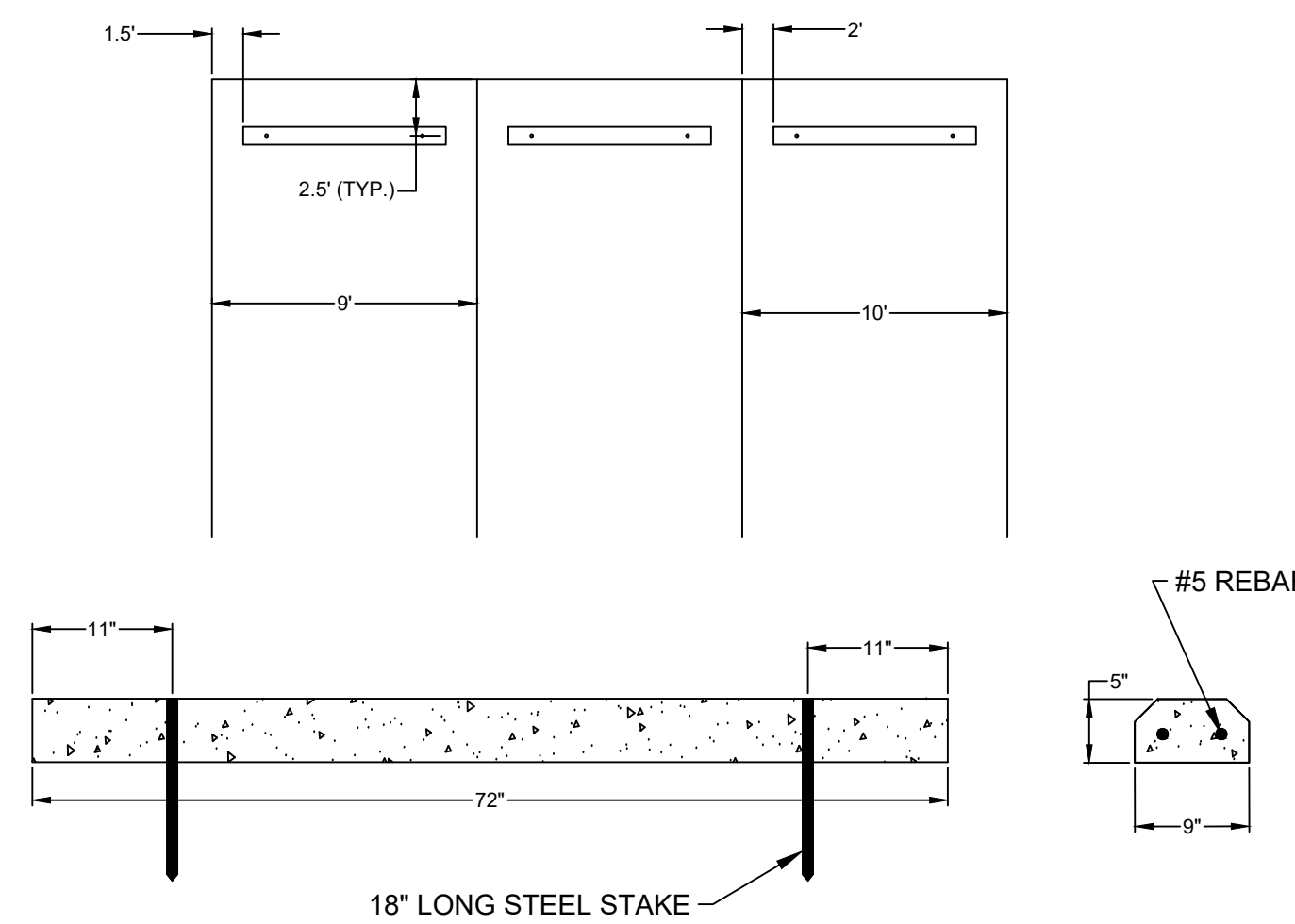


HEAVY DUTY BITUMINOUS PAVEMENT SECTION
NOT TO SCALE



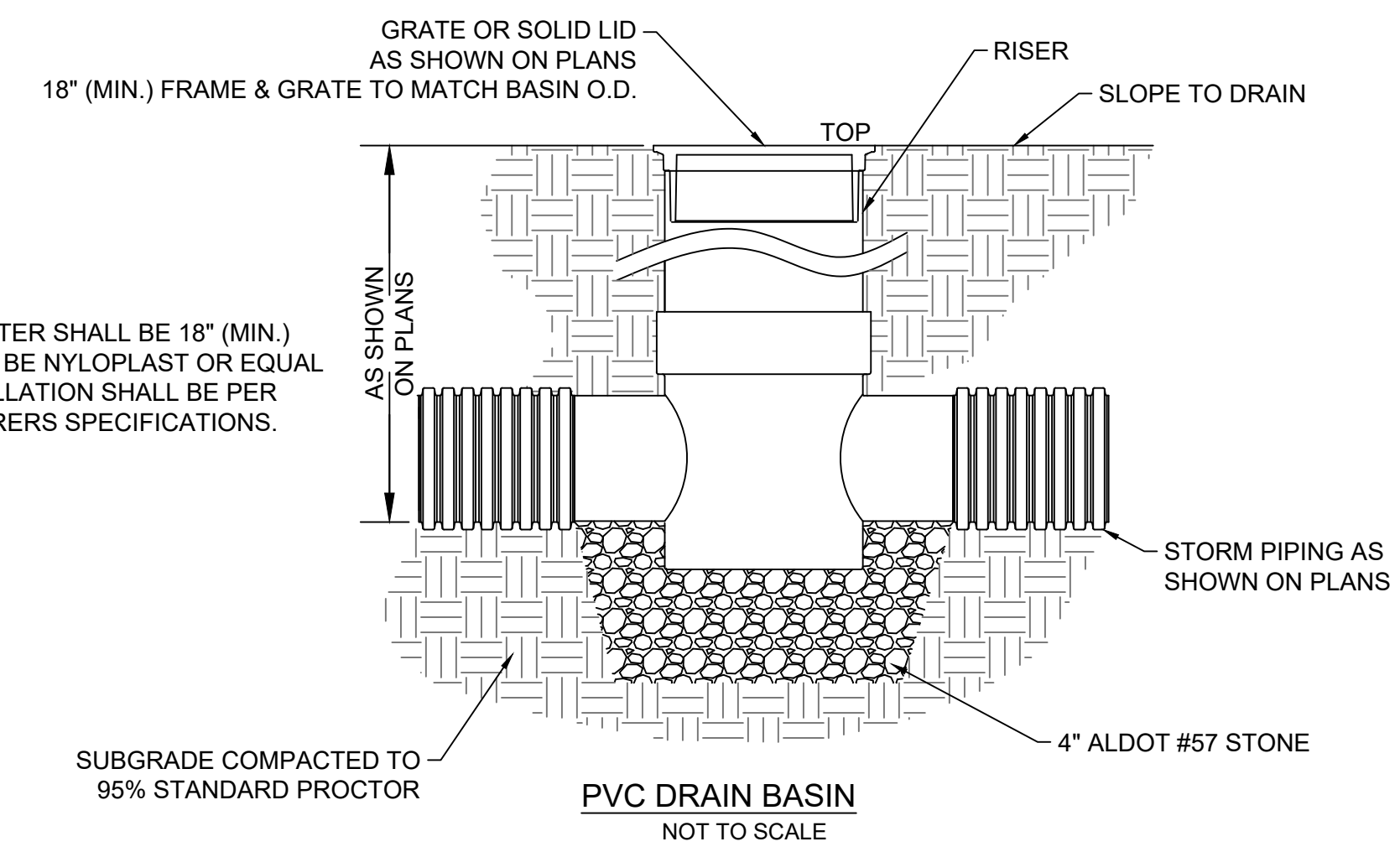
CONCRETE SIDEWALK
NOT TO SCALE

- NOTES:
- CUT 1/2" TRANSVERSE DUMMY JOINTS AT 6'-0" O.C.
 - EXPANSION JOINTS REQUIRED AT 30' O.C.
 - CRUSHED AGGREGATE BASE COURSE IS NOT REQUIRED IF SUBGRADE MATERIALS ARE AASHTO A-4 OR BETTER AND APPROVED BY PROFESSIONAL ENGINEER.

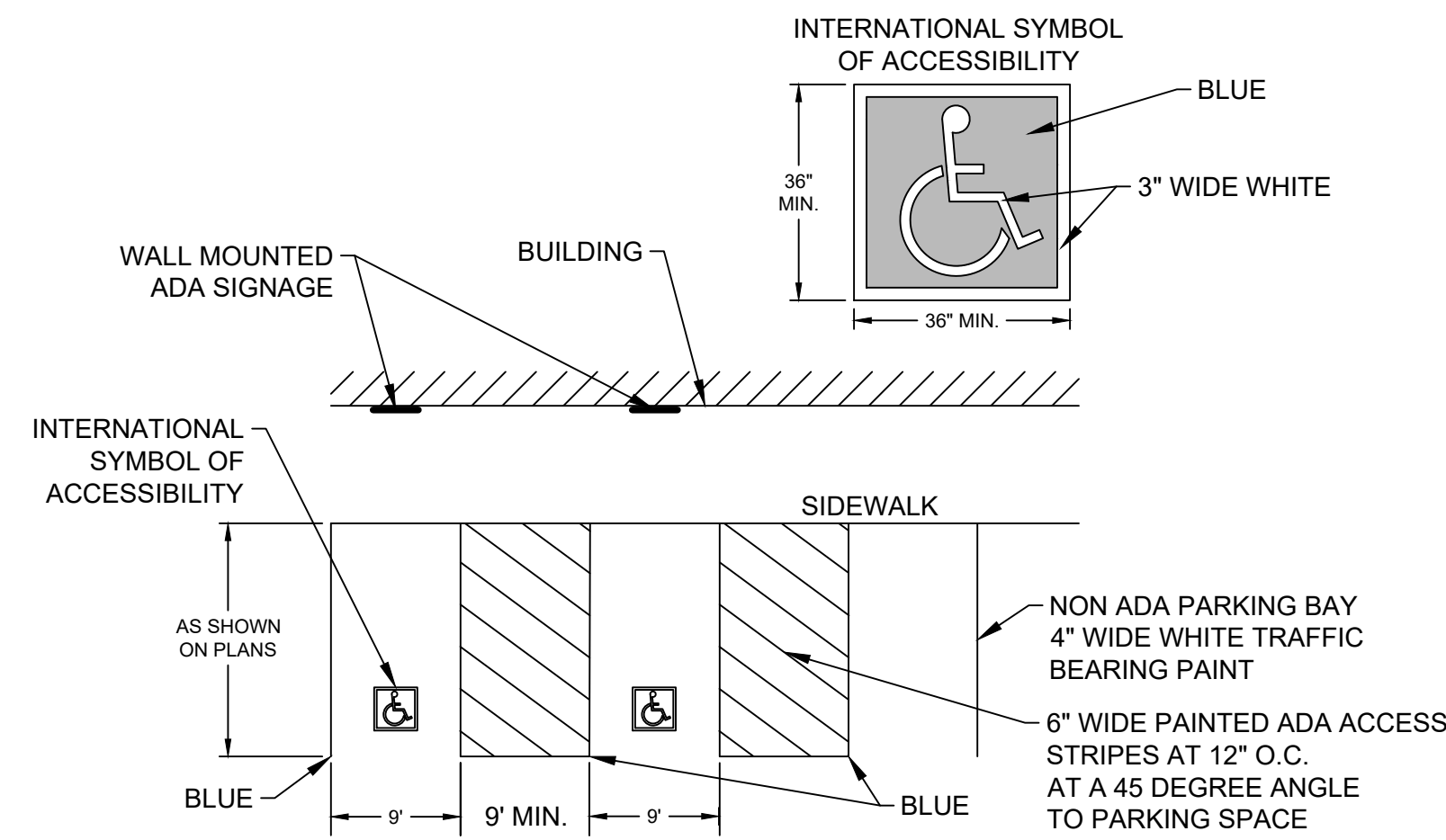


CONCRETE PARKING BUMPER
NOT TO SCALE

- NOTES:
- BASIN DIAMETER SHALL BE 18" (MIN.)
 - BASIN SHALL BE NYLOPLAST OR EQUAL
 - BASIN INSTALLATION SHALL BE PER MANUFACTURERS SPECIFICATIONS.



PVC DRAIN BASIN
NOT TO SCALE

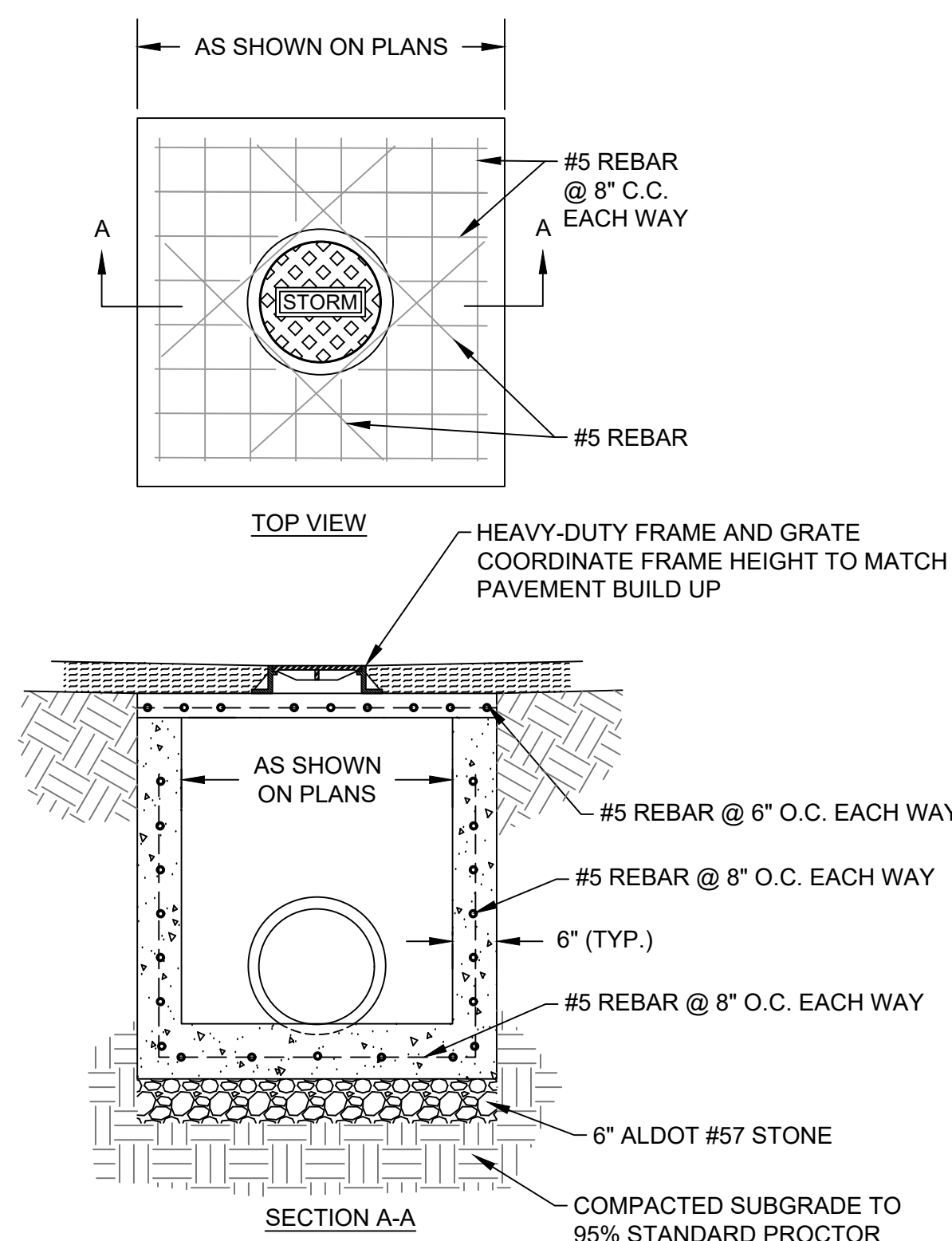


TYPICAL STRIPING DETAILS
NOT TO SCALE

- NOTES:
- ALL PARKING LOT STRIPING TO BE TRAFFIC BEARING PAINT.
 - ALL PARKING LOT STRIPING SHALL BE INSTALLED USING MANUFACTURERS SPECIFICATIONS.
 - PAINT COLOR TO BE ADA COMPLIANT BLUE
 - ALL PARKING LOT STRIPING TO BE A MIN. OF 4" WIDE UNLESS OTHERWISE NOTED.
 - ALL OTHER PARKING LOT STRIPING TO BE WHITE UNLESS OTHERWISE NOTED

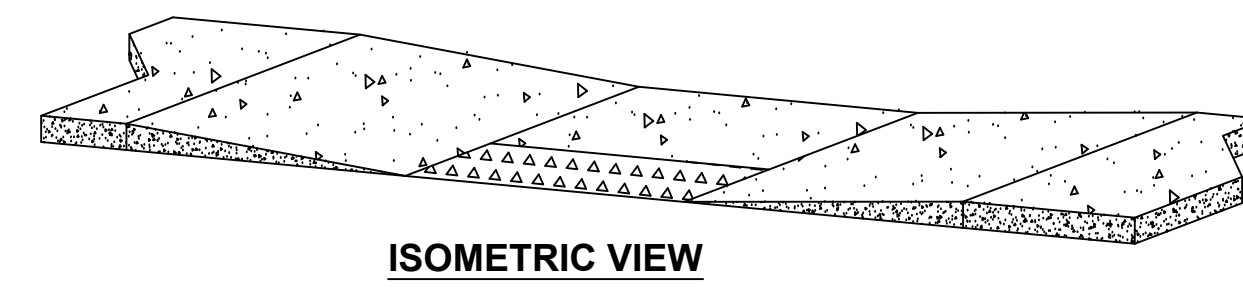


ADA SIGNAGE WALL MOUNT
NOT TO SCALE

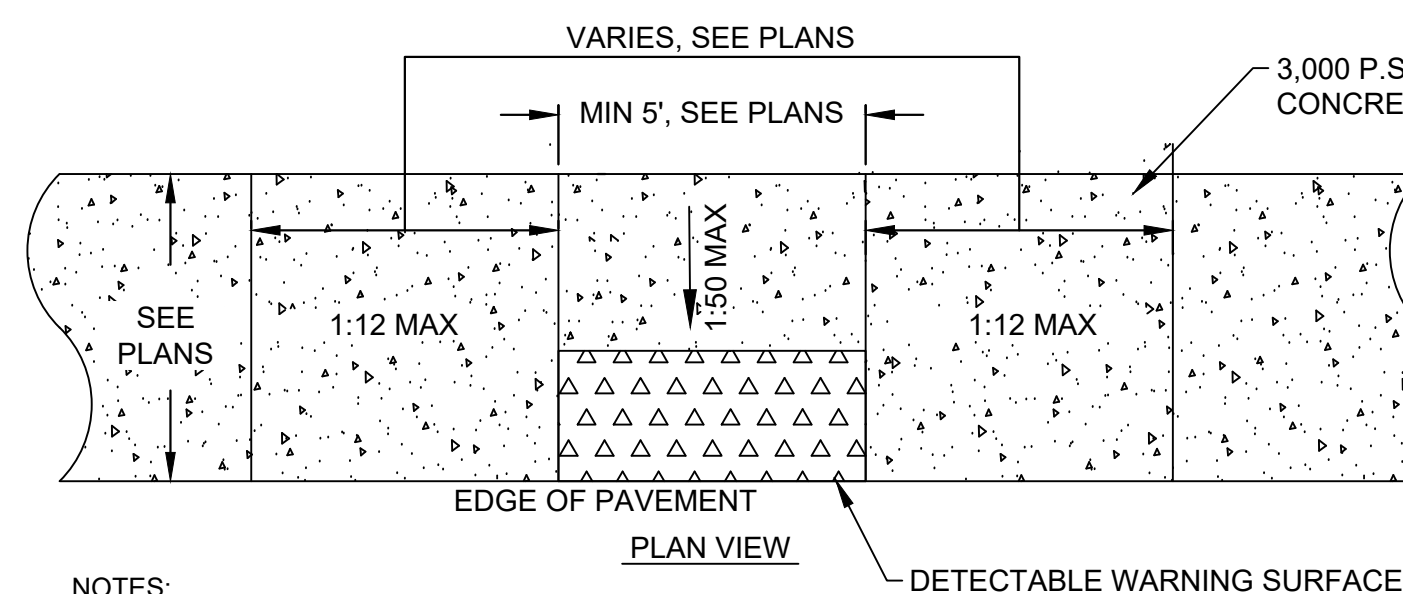


- NOTE:
- CONTRACTOR SHALL COMPLETELY SEAL AND GROUT SIDEWALL OF JUNCTION BOX AT PIPE TIE LOCATIONS TO INSURE WATERTIGHT CONNECTION.
 - FRAME AND GRATE SHOULD BE 24"

CONCRETE JUNCTION BOX WITH MANHOLE
NOT TO SCALE

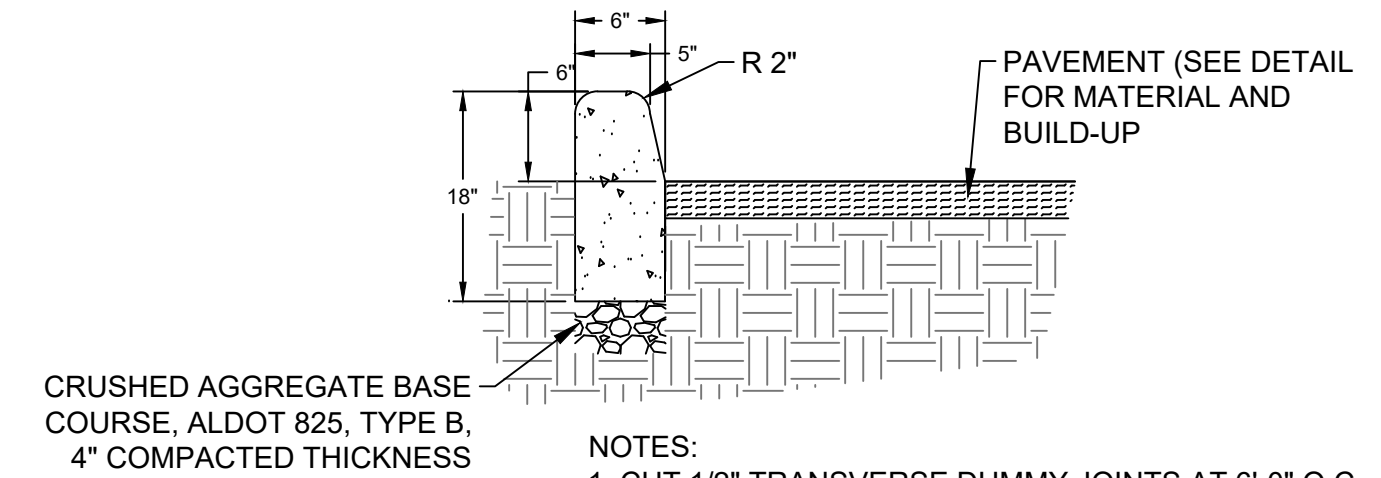


ISOMETRIC VIEW

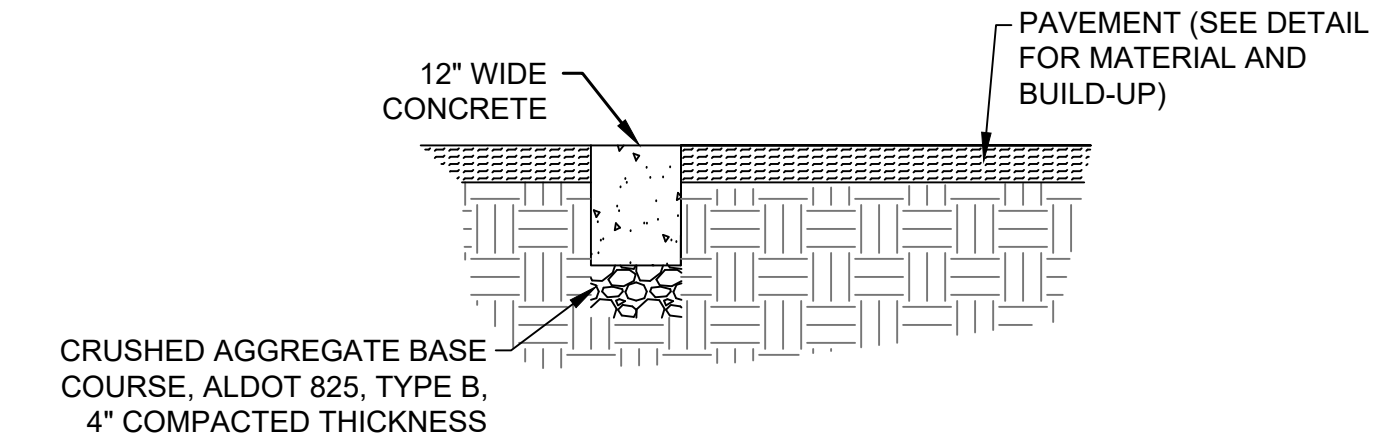


- NOTES:
- CROSS SLOPE SHALL NOT EXCEED 1:50
 - PROVIDE FLUSH TRANSITIONS ON AND OFF RAMP.
 - SURFACE TEXTURE TO BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF CURB RAMP.
 - DETECTABLE WARNING SURFACE SHALL EXTEND THE FULL WIDTH OF RAMP AND 2' IN THE DIRECTION OF PEDESTRIAN TRAVEL. ARMOR TILE, HERCULITE, FEDERAL RED, OR APPROVED EQUAL.

ADA ACCESSIBLE PARALLEL RAMP
NOT TO SCALE



TYPE "N" CURB
NOT TO SCALE

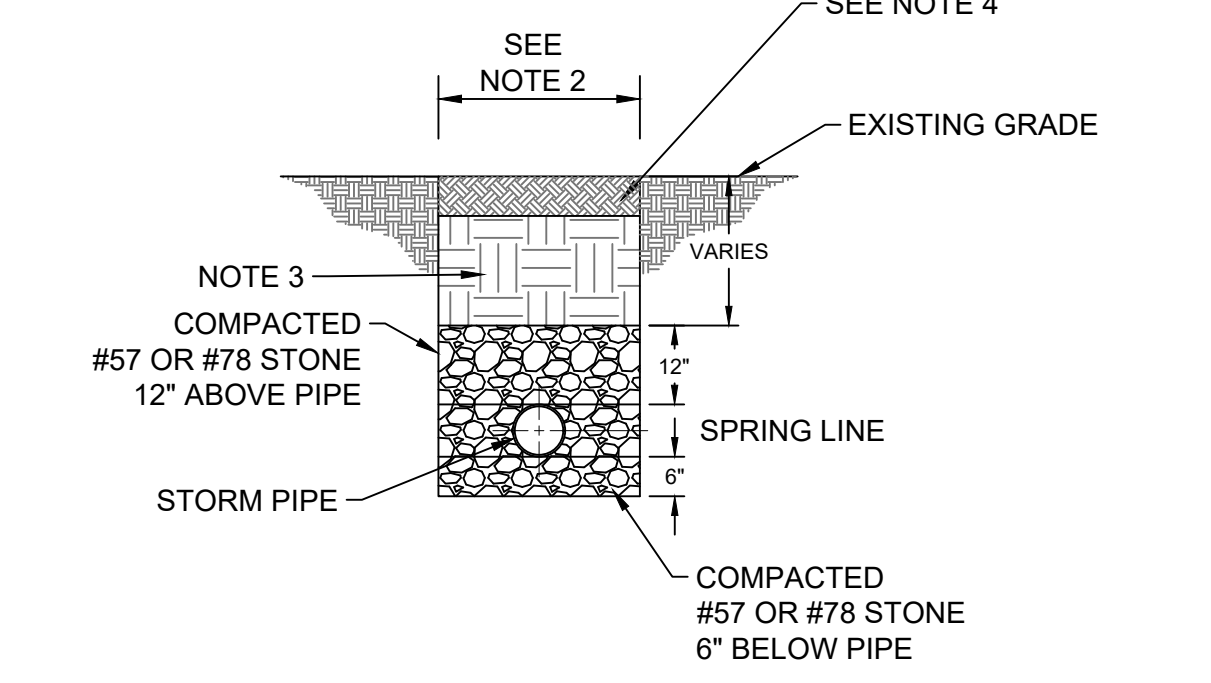


- NOTES:
- CUT 1/2" TRANSVERSE DUMMY JOINTS AT 6'-0" O.C.
 - EXPANSION JOINTS REQUIRED AT 30' O.C.
 - CRUSHED AGGREGATE BASE COURSE IS NOT REQUIRED IF SUBGRADE MATERIALS ARE AASHTO A-4 OR BETTER AND APPROVED BY PROFESSIONAL ENGINEER.

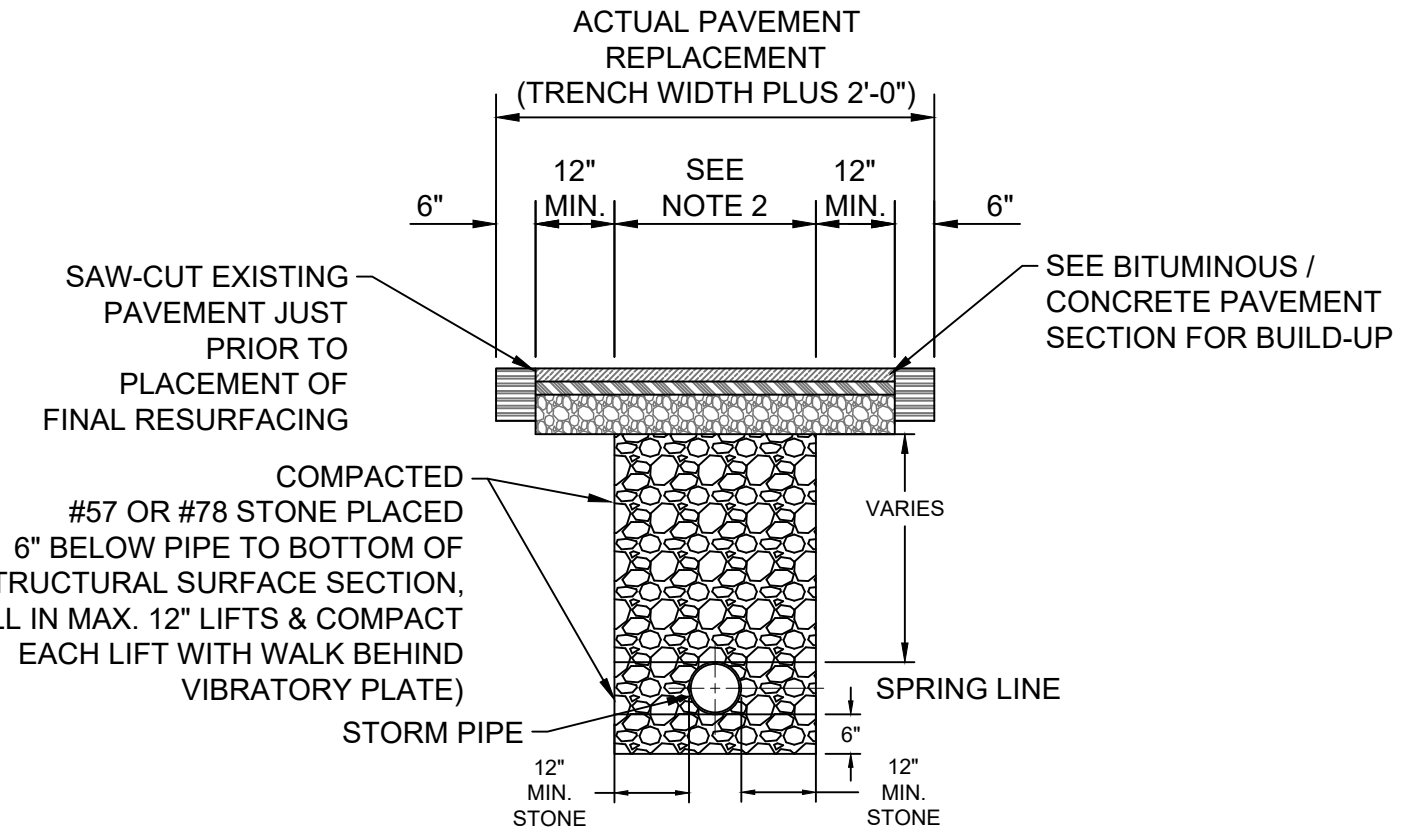
RIBBON CURB
NOT TO SCALE

NOTES:

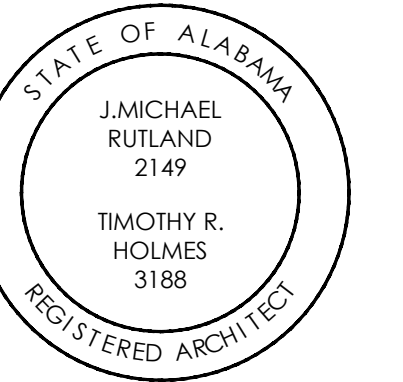
- THE CONTRACTOR SHALL REPAIR ALL EXCAVATED AREAS, BACKFILLS, EMBANKMENTS, TRENCHES, AND DITCHES WHICH MAY HAVE SETTLED, AT NO ADDITIONAL COST TO THE OWNER UNTIL FINAL ACCEPTANCE OF THE PROJECT AND THROUGHOUT THE WARRANTY PERIOD. ALL SUCH AREAS SHALL BE RESTORED TO PRE-CONSTRUCTION CONTOURS.
- TRENCH WIDTHS SHALL BE IN ACCORDANCE WITH OSHA STANDARDS.
- BACKFILL WITH EXCAVATED MATERIAL, OR MATERIAL, CONFORMING TO THE REQUIREMENTS FOR GENERAL FILL. COMPACT TO SAME DENSITY AS SURROUNDING MATERIAL.
- 6" THICK TOPSOIL FREE OF ROCKS, SUITABLE FOR MOWING, WITH SEED AND MULCH



STORM PIPE EMBEDMENT DETAIL - NON STRUCTURAL AREA
FOR RCP AND HDPE PIPE AT ALL DEPTHS NOT UNDER PAVEMENT NOT TO SCALE



STORM PIPE EMBEDMENT DETAIL - STRUCTURAL AREA
FOR RCP AND HDPE PIPE AT ALL DEPTHS UNDER PAVEMENT NOT TO SCALE



CONSTRUCTION DOCUMENTS

Project Number: 22-1189
Date: 3 JUNE 2024
Revisions:

Sheet Description

CONSTRUCTION DETAILS

Sheet Number

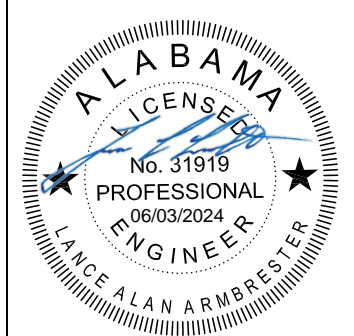
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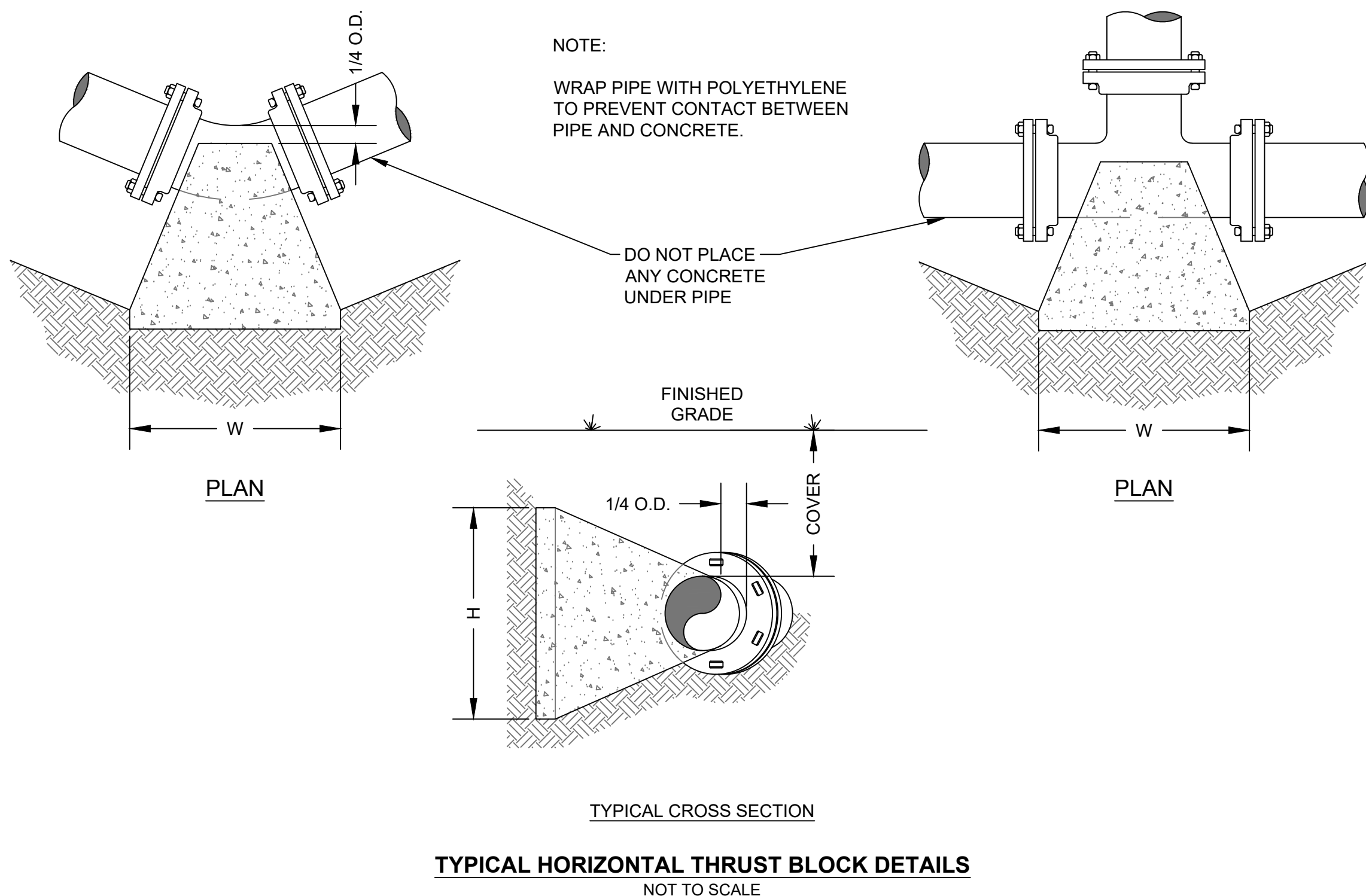


CDG PROJECT NUMBER: R601322571

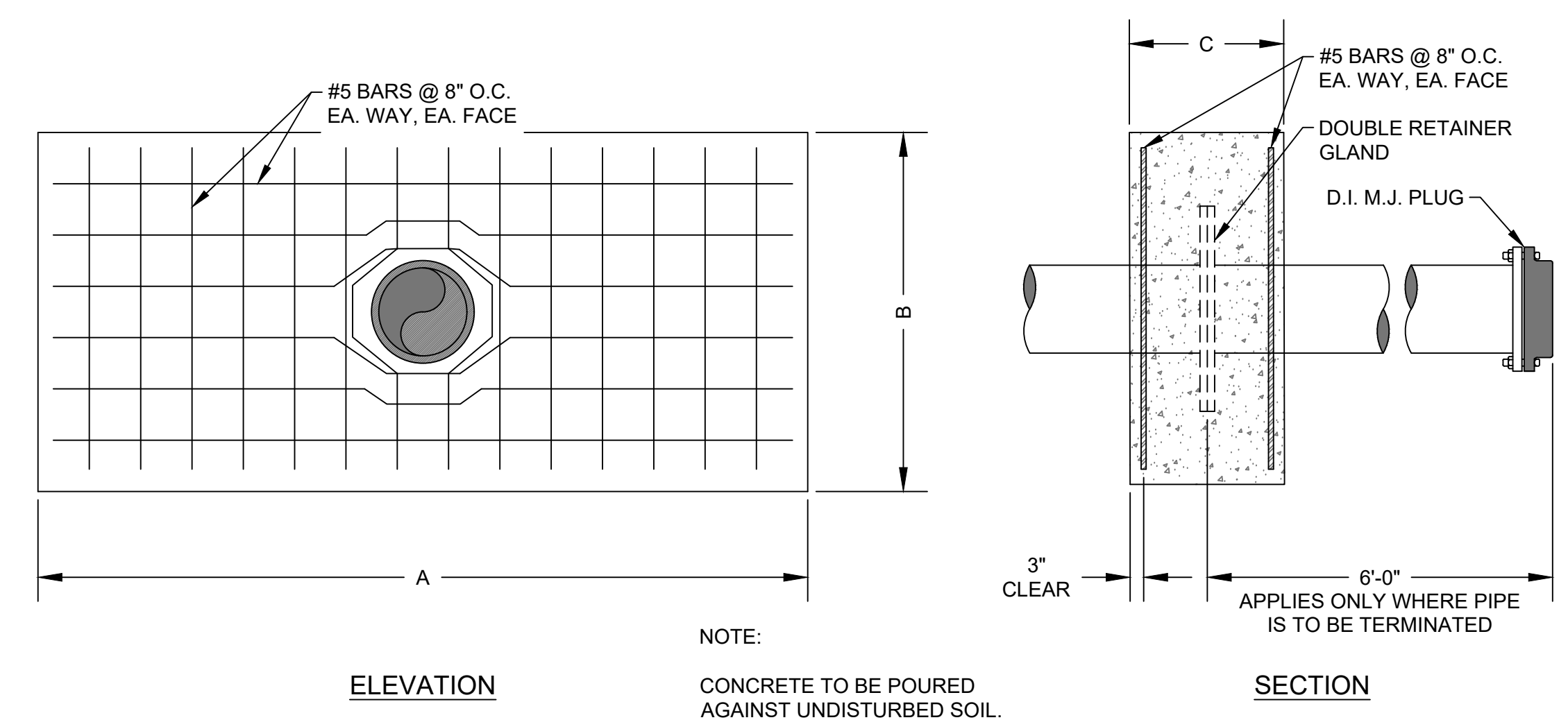


CONCRETE THRUST BLOCK SPECIFICATIONS AND DIMENSIONS																				
FITTING SIZES (IN)	TEES				90° BENDS				45° BENDS				22.5° BENDS				11.25° BENDS			
	W (FT)	H (FT)	Min. Area (SF)	Min. Vol (CY)	W (FT)	H (FT)	Min. Area (SF)	Min. Vol (CY)	W (FT)	H (FT)	Min. Area (SF)	Min. Vol (CY)	W (FT)	H (FT)	Min. Area (SF)	Min. Vol (CY)	W (FT)	H (FT)	Min. Area (SF)	Min. Vol (CY)
2-4	2.2	0.8	1.8	0.05	3.1	0.8	2.5	0.07	1.7	0.8	1.3	0.04	0.9	0.8	0.7	0.02	0.4	0.8	0.3	0.01
6	2.2	1.8	4.0	0.27	3.1	1.8	5.6	0.38	1.7	1.8	3.0	0.21	0.8	1.8	1.5	0.10	0.4	1.8	0.8	0.05
8	3.5	2.0	7.0	0.52	5.0	2.0	10.0	0.74	2.7	2.0	5.4	0.40	1.4	2.0	2.7	0.20	0.7	2.0	1.4	0.10
10	5.1	2.2	11.0	0.88	7.2	2.2	15.6	1.25	3.9	2.2	8.4	0.68	2.0	2.2	4.3	0.34	1.0	2.2	2.2	0.17
12	6.8	2.3	15.8	1.37	9.6	2.3	22.4	1.94	5.2	2.3	12.1	1.05	2.6	2.3	6.2	0.53	1.3	2.3	3.1	0.27
14	8.6	2.5	21.6	2.00	12.2	2.5	30.5	2.82	6.6	2.5	16.5	1.53	3.4	2.5	8.4	0.78	1.7	2.5	4.2	0.39
16	10.6	2.7	28.1	2.78	14.9	2.7	39.8	3.93	8.1	2.7	21.5	2.13	4.1	2.7	11.0	1.08	2.1	2.7	5.5	0.54
18	12.6	2.8	35.6	3.74	17.8	2.8	50.4	5.29	9.6	2.8	27.3	2.86	4.9	2.8	13.9	1.46	2.5	2.8	7.0	0.73
20	14.7	3.0	44.0	4.89	20.7	3.0	62.2	6.91	11.2	3.0	33.7	3.74	5.7	3.0	17.2	1.91	2.9	3.0	8.6	0.96
24	19.0	3.3	63.3	7.82	26.9	3.3	89.6	11.06	14.5	3.3	48.5	5.98	7.4	3.3	24.7	3.05	3.7	3.3	12.4	1.53

- NOTES:
- BASED ON 200 PSI STATIC PRESSURE PLUS AWWA WATER HAMMER ALLOWANCE ASSUMING 1,500 PSF BEARING CAPACITY OF SOIL. COORDINATE ACTUAL DIMENSIONS WITH ENGINEER PRIOR TO INSTALLATION.
 - ALL BEARING SURFACES TO BE CARRIED TO UNDISTURBED GROUND.
 - THRUST BLOCKS TO BE USED AT ALL LINES OPERATING UNDER PRESSURE.
 - THESE DETAILS IN NO WAY LIMIT THE SIZE OR LOCATION OF ADDITIONAL BLOCKING WHEN REQUESTED BY THE ENGINEER, OR IF DEEMED NECESSARY BY CONTRACTOR.
 - DEPTH FROM GROUND SURFACE TO TOP OF BLOCKING SHALL BE GREATER THAN HEIGHT OF BLOCKING.
 - ALL FITTINGS SHALL BE WRAPPED WITH VISQUEEN OR POLYWRAP BEFORE CONCRETE IS PLACED, TO PREVENT CORROSION OR BONDING OF THE CONCRETE TO THE BOLTS, FITTINGS, OR PIPE.
 - CONTRACTOR MAY BE ALLOWED TO INSTALL MECHANICAL JOINT RESTRAINTS INSTEAD OF THRUST BLOCKS WITH APPROVAL BY THE ENGINEER.

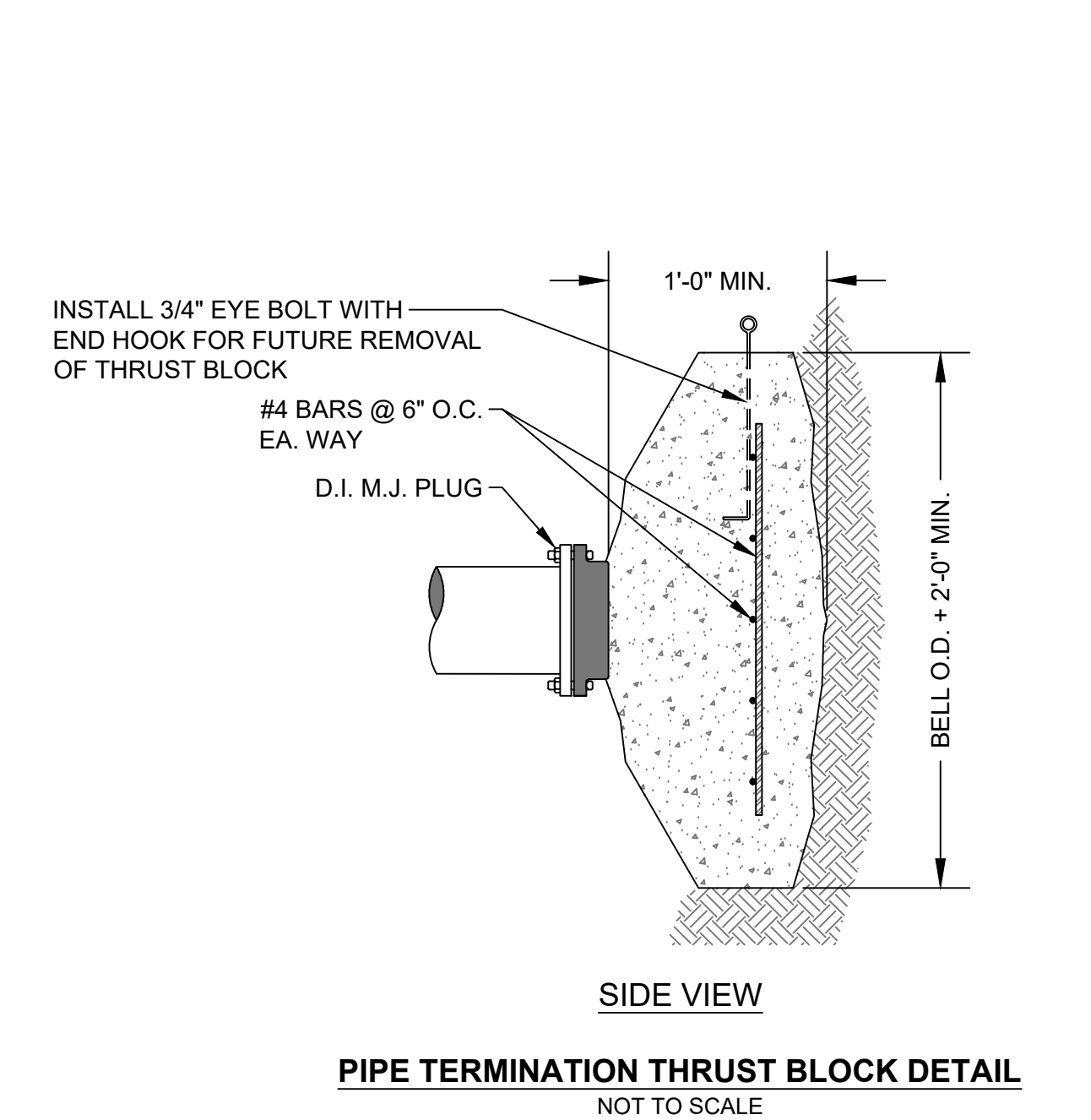


TYPICAL HORIZONTAL THRUST BLOCK DETAILS
NOT TO SCALE

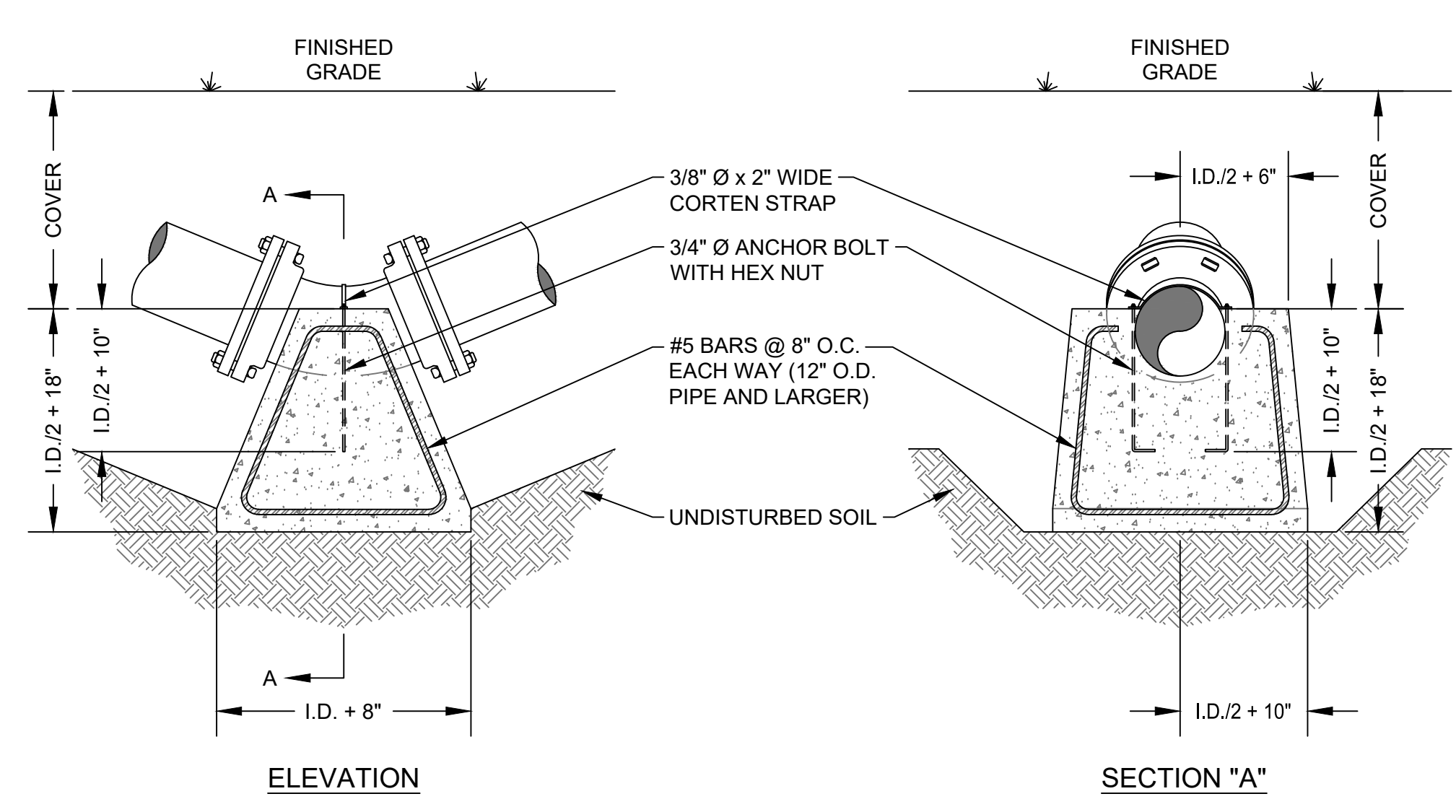


PIPE DIA.	A	B	C
4" - 8"	6'-0" MIN.	3'-0" MIN.	1'-6"
10" & 12"	8'-0" MIN.	4'-0" MIN.	1'-8"
16" - 24"	10'-0" MIN.	5'-0" MIN.	2'-0"

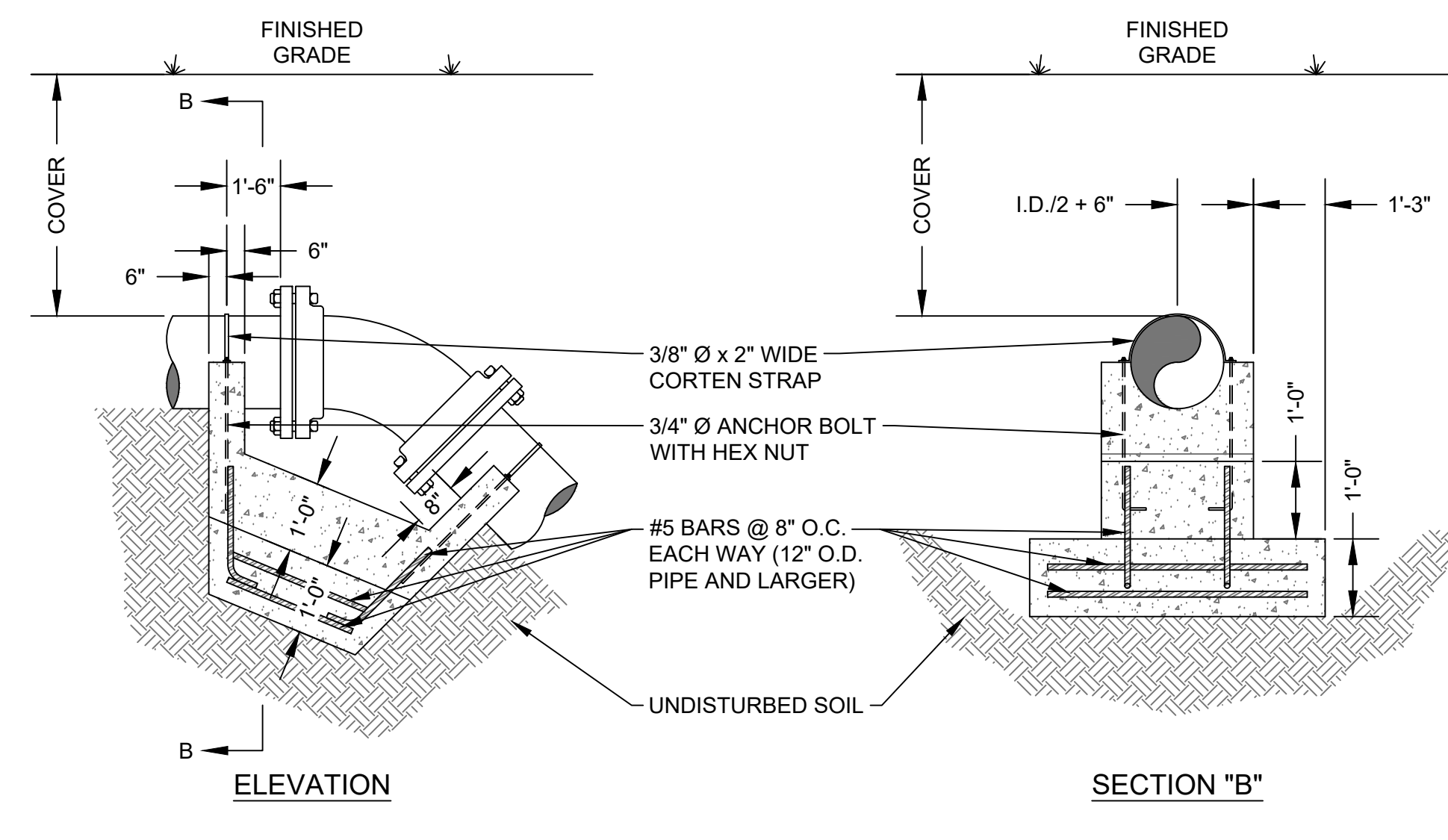
TYPICAL LONGITUDINAL ANCHOR DETAIL
NOT TO SCALE



PIPE TERMINATION THRUST BLOCK DETAIL
NOT TO SCALE

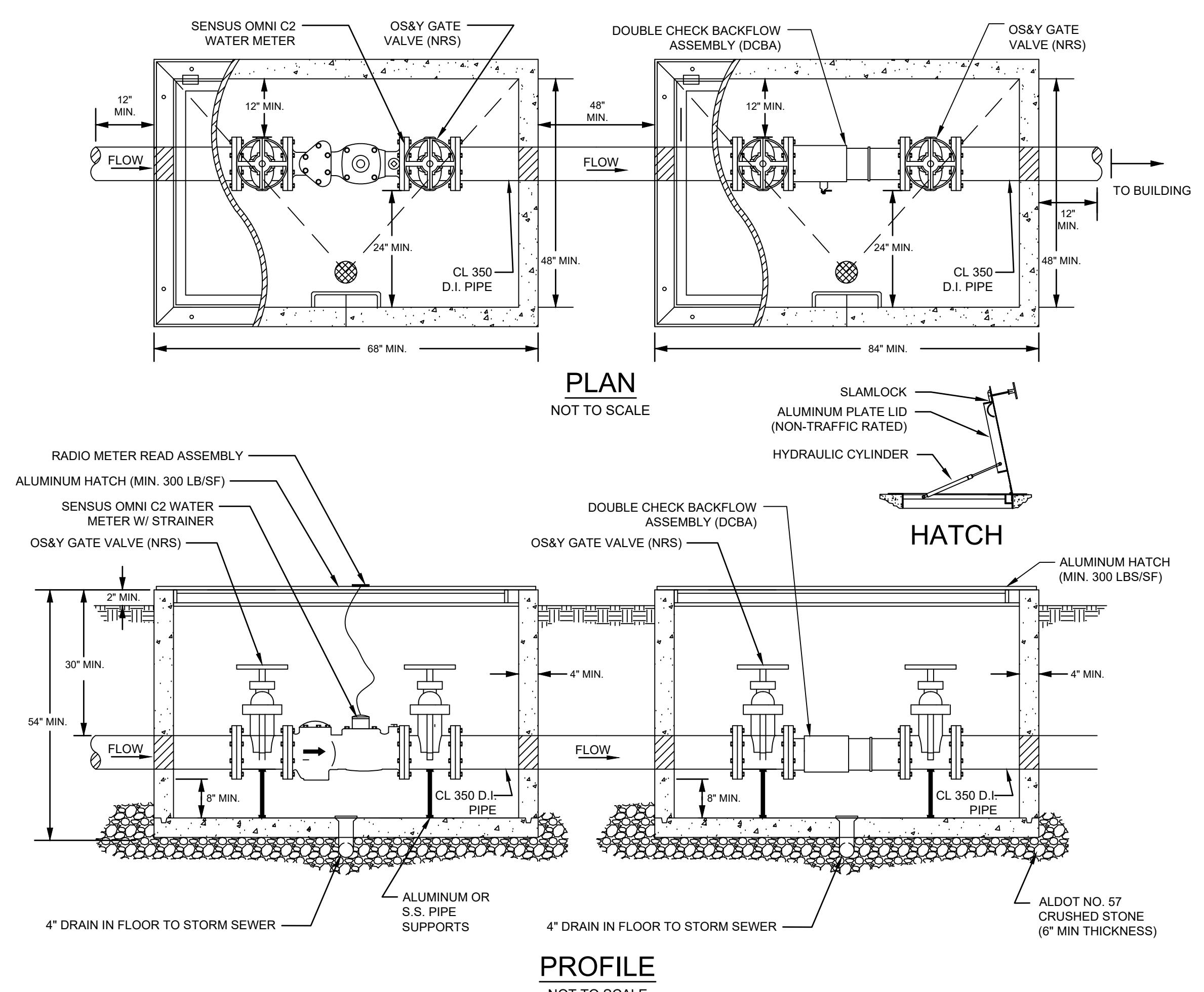


TYPICAL UPWARD VERTICAL BEND THRUST BLOCK DETAILS
NOT TO SCALE



TYPICAL DOWNWARD VERTICAL BEND THRUST BLOCK DETAILS
NOT TO SCALE

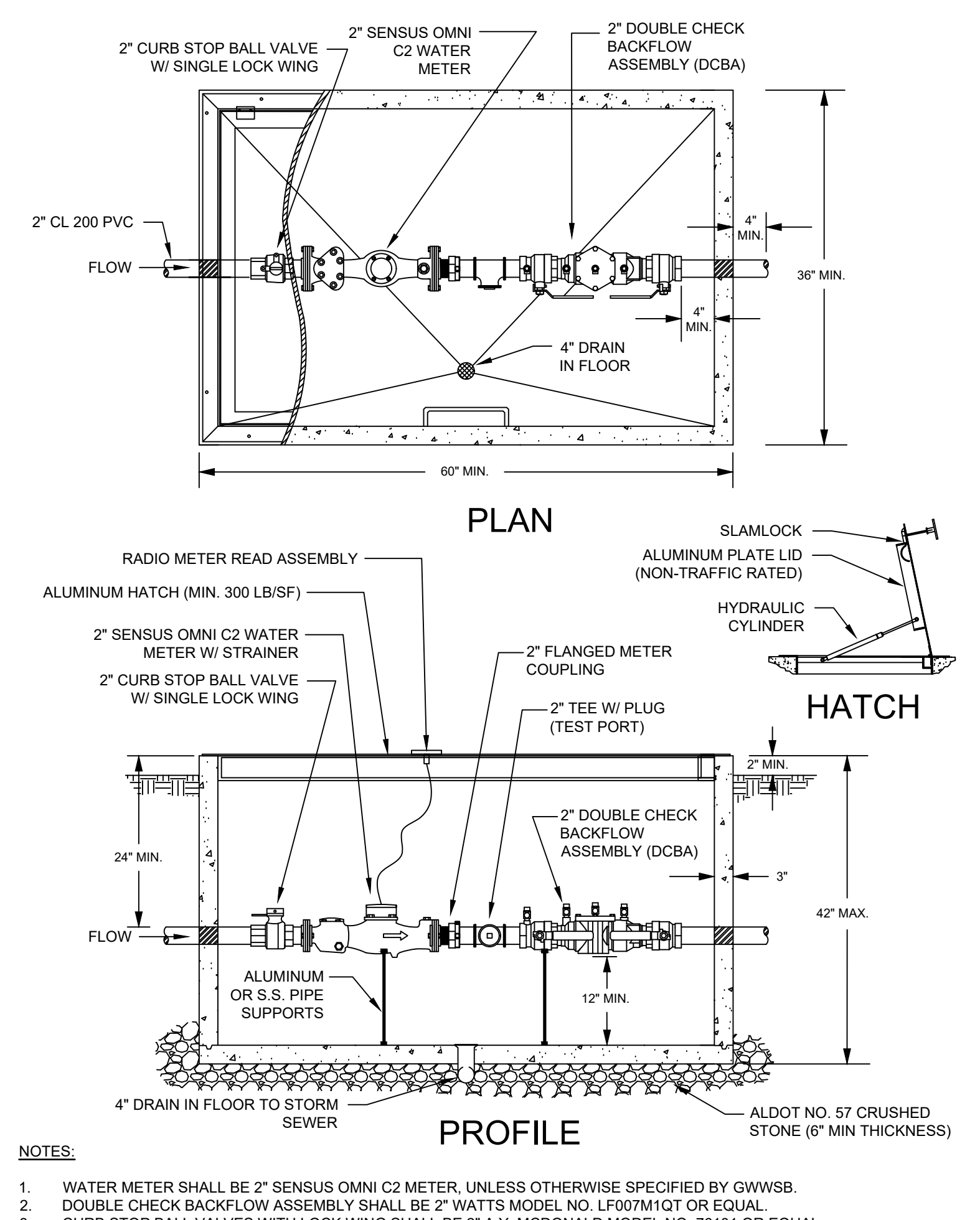
6" METER VAULT & DOUBLE CHECK BACKFLOW ASSEMBLY (DCBA)
NOT TO SCALE



PROFILE
NOT TO SCALE

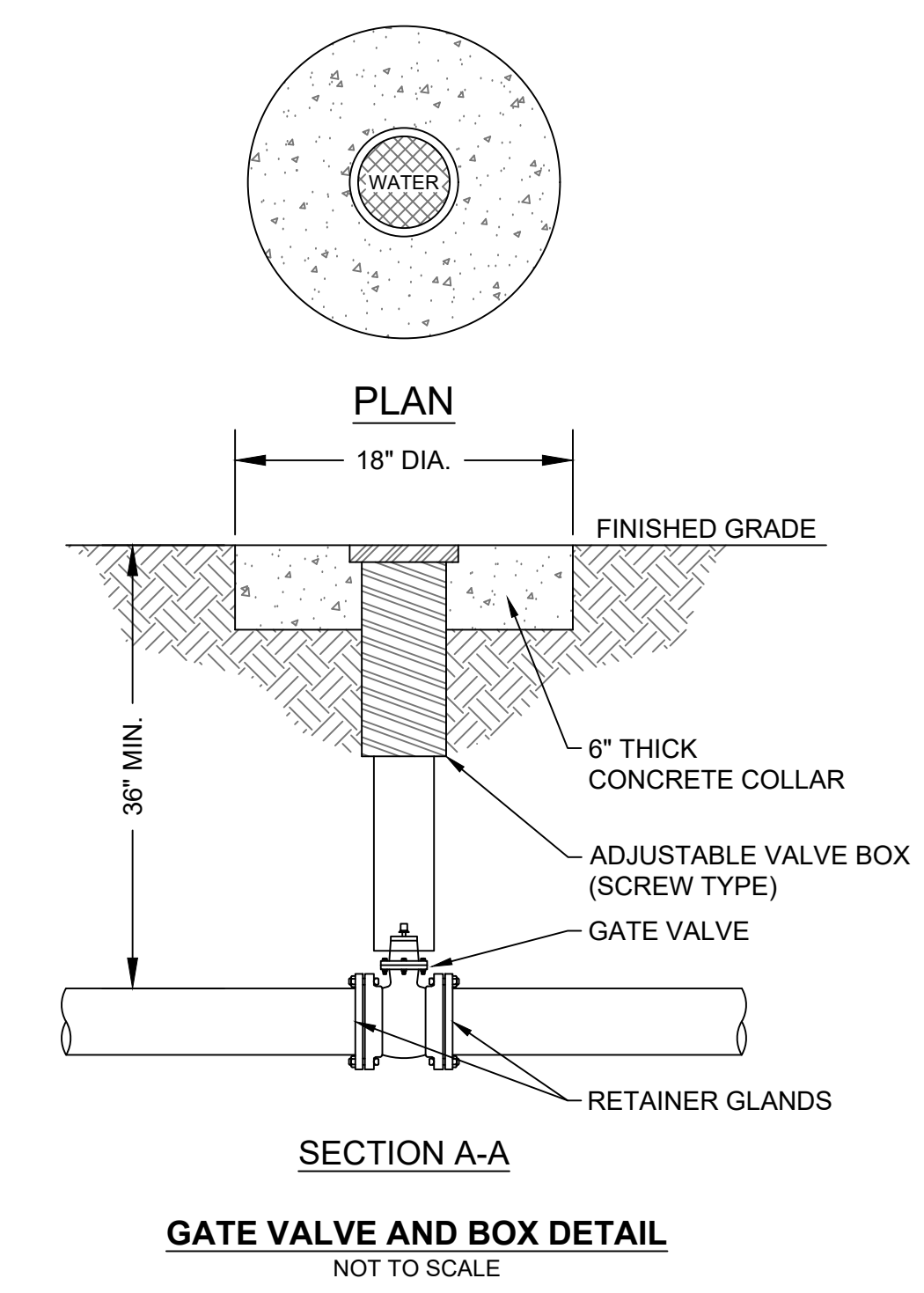
- NOTES:
- WATER METER SHALL BE SENSUS OMNI C2 METER, UNLESS OTHERWISE SPECIFIED BY LOCAL UTILITY BOARD.
 - DOUBLE CHECK DETECTOR ASSEMBLY SHALL BE MANUFACTURED BY AMES, WATTS, OR AN APPROVED EQUAL.
 - ALL CONCRETE SHALL BE CLASS "A" (4,000 PSI) IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
 - ALL PIPE AND FITTINGS SHALL BE DUCTILE IRON, PRESSURE CLASS 350.

2" METER VAULT & DOUBLE CHECK BACKFLOW ASSEMBLY (DCBA)
NOT TO SCALE



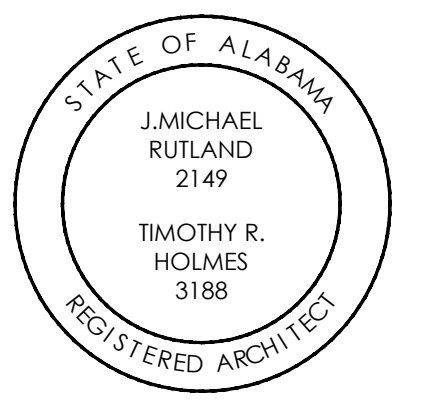
PROFILE
NOT TO SCALE

- NOTES:
- WATER METER SHALL BE 2" SENSUS OMNI C2 METER, UNLESS OTHERWISE SPECIFIED BY GWWSB.
 - DOUBLE CHECK BACKFLOW ASSEMBLY SHALL BE 2" WATTS MODEL NO. LF007M1Q1 OR EQUAL.
 - CURB STOP BALL VALVES WITH LOCK WING SHALL BE 2" A.Y. McDONALD MODEL NO. 761011 OR EQUAL.
 - FLANGED METER COUPLING SHALL BE FORD METER BOX LOK-PAK COUPLING OR EQUAL.
 - ALL CONCRETE SHALL BE CLASS "A" (4,000 PSI) IN ACCORDANCE WITH THE GWWSB STANDARD SPECIFICATIONS.



GATE VALVE AND BOX DETAIL
NOT TO SCALE

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CHOCTAW COUNTY JAIL
BUTLER, ALABAMA

CONSTRUCTION DOCUMENTS

Project Number: 22-1189
Date: 3 JUNE 2024
Revisions:

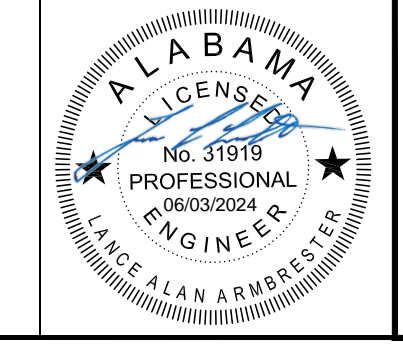
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CONSTRUCTION DETAILS

Sheet Number

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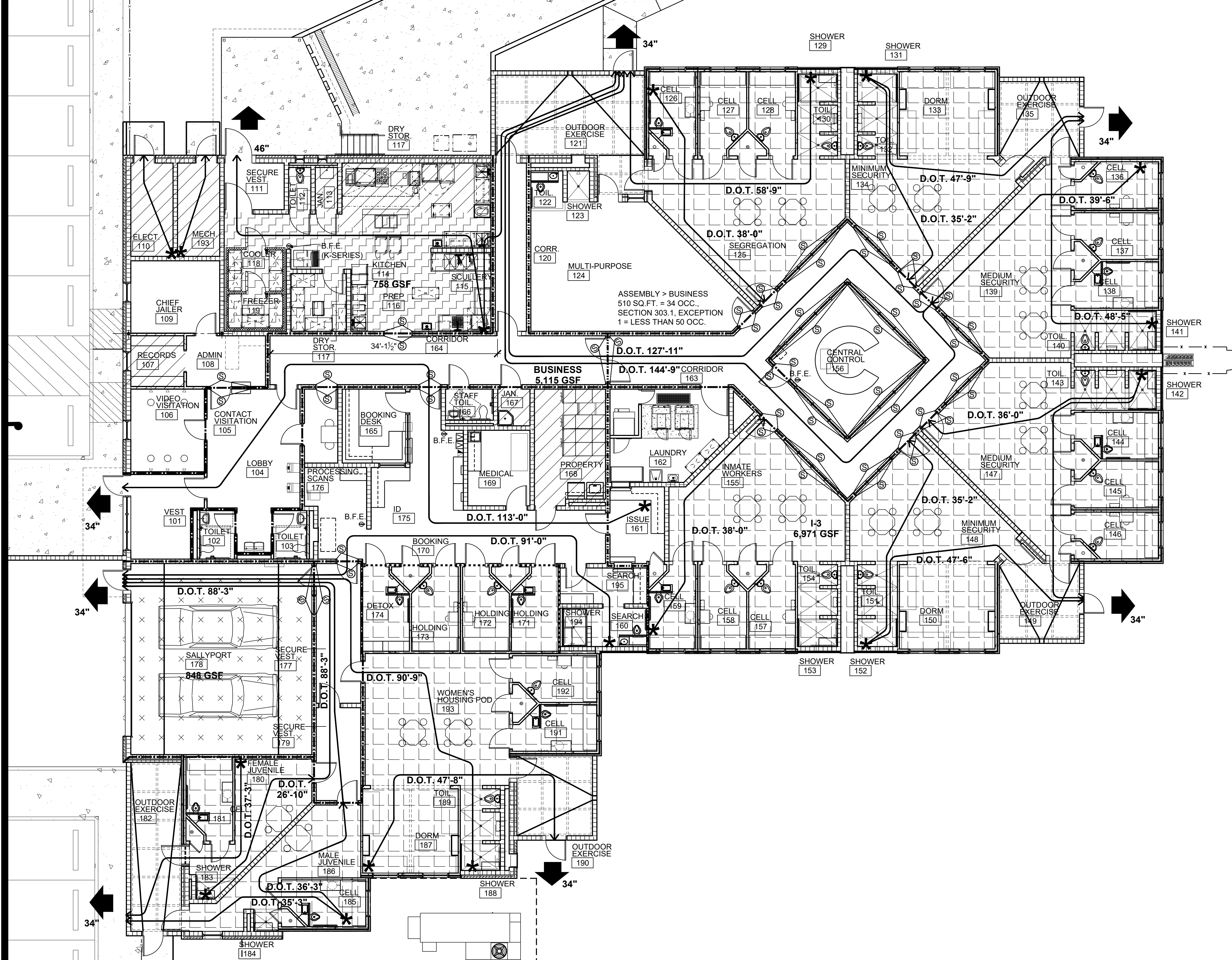
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PRINTED: 6/14/2024 @ 9:19AM

FILE NAME: W:\JMRH Projects 2022\22-1189 Choctaw County Jail\LS1.1 - Life Safety Plan.dwg



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

IBC / LIFE SAFETY CODE ANALYSIS

APPLICABLE CODES		
2015 INTERNATIONAL BUILDING CODE WITH LOCAL AMENDMENTS 2015 INTERNATIONAL ENERGY CONSERVATION CODE WITH LOCAL AMENDMENTS 2015 INTERNATIONAL PLUMBING CODE WITH LOCAL AMENDMENTS 2015 INTERNATIONAL MECHANICAL CODE WITH LOCAL AMENDMENTS 2015 INTERNATIONAL FUEL GAS CODE WITH LOCAL AMENDMENTS 2015 INTERNATIONAL EXISTING BUILDING CODE WITH LOCAL AMENDMENTS 2014 NATIONAL ELECTRICAL CODE WITH LOCAL AMENDMENTS 2015 NFPA 101 - STD FOR PORTABLE FIRE EXTINGUISHER 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN (DOJ)		
GENERAL	CODE REVIEW	2015 INTERNATIONAL BUILDING CODE
GENERAL	OCCUPANCY CLASSIFICATION	PRIMARY OCCUPANCY - INSTITUTIONAL I-3 CONDITION 3: DORMS CONDITION 4: CELLS STORAGE / MECHANICAL / ELECTRICAL OCCUPANCY S LOW HAZARD STORAGE S-2 (CHAPTER 3, SECTION 308.5, 308.5.3, 308.5.4)
GENERAL	CONSTRUCTION TYPE	TYPE IIB, SPRINKLERED CHAPTER 6, SECTION 602.2 AND TABLE 601
GENERAL	BUILDING HEIGHT LIMIT	N/A - REFER TO 2015 INTERNATIONAL BUILDING CODE
GENERAL	BUILDING AREA	N/A - REFER TO 2015 INTERNATIONAL BUILDING CODE
GENERAL	AUTOMATIC SPRINKLER SYSTEM	FULLY-SPRINKLERED (IN ACCORDANCE WITH CHAPTER 9, SECTION 903 & SECTION 903.2)
GENERAL	OCCUPANCY LOADS	INSTITUTIONAL I-3 OCCUPANCY: 40,000 G.S.F. "S1" DESIGN: 15,271 G.S.F. (CHAPTER 5, TABLE 506.2) INSTITUTIONAL I-3 OCCUPANCY: 100 GSF/PERSON STORAGE / MECHANICAL / ELECTRICAL & S-2: 300 GSF/PERSON (CHAPTER 10, TABLE 1004.1.2)
MEANS OF EGRESS	CODE REVIEW	2015 INTERNATIONAL BUILDING CODE
MEANS OF EGRESS	MAXIMUM TRAVEL TO EXIT	COMMON PATH OF TRAVEL: BUSINESS: 100' FT. MAX. (> 49 OCC.) (CH. 10, TABLE 1006.2.1 & SECTION 1006.2.1) NOTE a: APPROVED SPRINKLER TRAVEL DISTANCE TO EXISTS W/ APPROVED SPRINKLER SYSTEM: BUSINESS: 200' FT. MAX. (CHAPTER 10, TABLE 1017.2, NOTE B & C: APPROVED SPRINKLER) SECTION 408: INSTITUTIONAL I-3 DISTANCE OF TRAVEL THROUGH COMMON AREA TO CORRIDOR: > 50FT (SMOKE RATED) DISTANCE OF TRAVEL TO A DOOR IN A SMOKE BARRIER FROM ANY POINT IN A ROOM SHALL NOT BE GREATER THAN 200FT
MEANS OF EGRESS	MAXIMUM DEAD END HALLWAY	BUSINESS: 50'-0" (CHAPTER 10, SECTION 1020.4, EXCEPTION 1)
MEANS OF EGRESS	EGRESS WIDTH PER PERSON SERVED (IN)	LEVEL: 0.20 - (CHAPTER 10, 1005.3.2) STAIRS: 0.30 FOR STAIRS HAVING TREAD DEPTHS > 11" AND RISER HT BETWEEN 4" MIN. AND 8" MAX. - (CHAPTER 10, 1005.3.1)
MEANS OF EGRESS	MINIMUM CORRIDOR WIDTH	8'-4" MIN. (CHAPTER 10, TABLE 1020.2) / 24" MIN. ACCESS TO MECH. ELEC. PLUMBING SYSTEMS OR EQUIPMENT (CHAPTER 10, TABLE 1020.2)
MEANS OF EGRESS	MINIMUM CLR. OPENING OF EXIT DOORS	32" MINIMUM WIDTH / 48" MAX. DOOR LEAF SIZE (CHAPTER 10, SECTION 1010.1.1)
BUILDING CONSTRUCTION	CODE REVIEW	2015 INTERNATIONAL BUILDING CODE
BUILDING CONSTRUCTION	FIRE RESISTANCE RATINGS	BUILDING ELEMENT AS CLASSIFIED IN (CH. 6, SECTION 602.2 & TABLE 601) TYPE IIB CONSTRUCTION. CHAPTER 6 - IBC 2009 STRUCTURAL FRAME COLUMNS, GIRDERS, TRUSSES - 0 BEARING WALLS EXTERIOR - 0 INTERIOR - 0 NON BEARING WALLS AND PARTITIONS EXTERIOR AND INTERIOR - 0 FLOOR CONSTRUCTION BEAMS & JOISTS - 0 ROOF CONSTRUCTION BEAMS & JOISTS - 0 (FIRE RETARDANT-TREATED WOOD)
BUILDING CONSTRUCTION	WALLS AND PARTITIONS	- WALLS AND PARTITIONS FIRE WALLS: BUSINESS: 3a-HR (CHAPTER 7, TABLE 706.4) NOTE a: IN TYPE II CONSTRUCTION, WALLS SHALL BE PERMITTED TO HAVE A 2-HOUR FIRE-RESISTANCE RATING. - HORIZONTAL EXIT: 2 HR. (CHAPTER 10, SECTION 1026.2) - EXIT ENCLOSURES: (STAIR) < 4 STORIES) 1-HR. SEPARATION (CHAPTER 10, SECTION 1023.2) - EXIT ACCESS CORRIDOR: 0 HR WITH APPROVED SPRINKLER (CHAPTER 10, TABLE 1020.1) - SUBDIVISION OF RESIDENT HOUSING AREAS, OCCUPANCY CONDITIONS 3 AND 4, EACH SLEEPING AREA IN OCCUPANCY CONDITIONS 3 AND 4 SHALL BE SEPARATED FROM THE ADJACENT COMMON SPACES BY A SMOKE-TIGHT PARTITION WHERE THE DISTANCE OF TRAVEL FROM THE SLEEPING AREA THROUGH THE COMMON SPACE TO THE CORRIDOR EXCEEDS 50 FEET. (CHAPTER 4, TABLE 408)

NOTE:
1. CONTRACTOR TO VERIFY EXISTING EXIT LIGHTS, F.E., AND/OR F.E.C. CABINETS, IN AREA OF WORK TO BE PERFORMED, TO COMPLY WITH NFPA 10, STANDARD FOR PORTABLE FIRE EXTINGUISHERS AND IBC 2015, SECTION 906, TO THE MOST STRINGENT CODE CRITERIA.

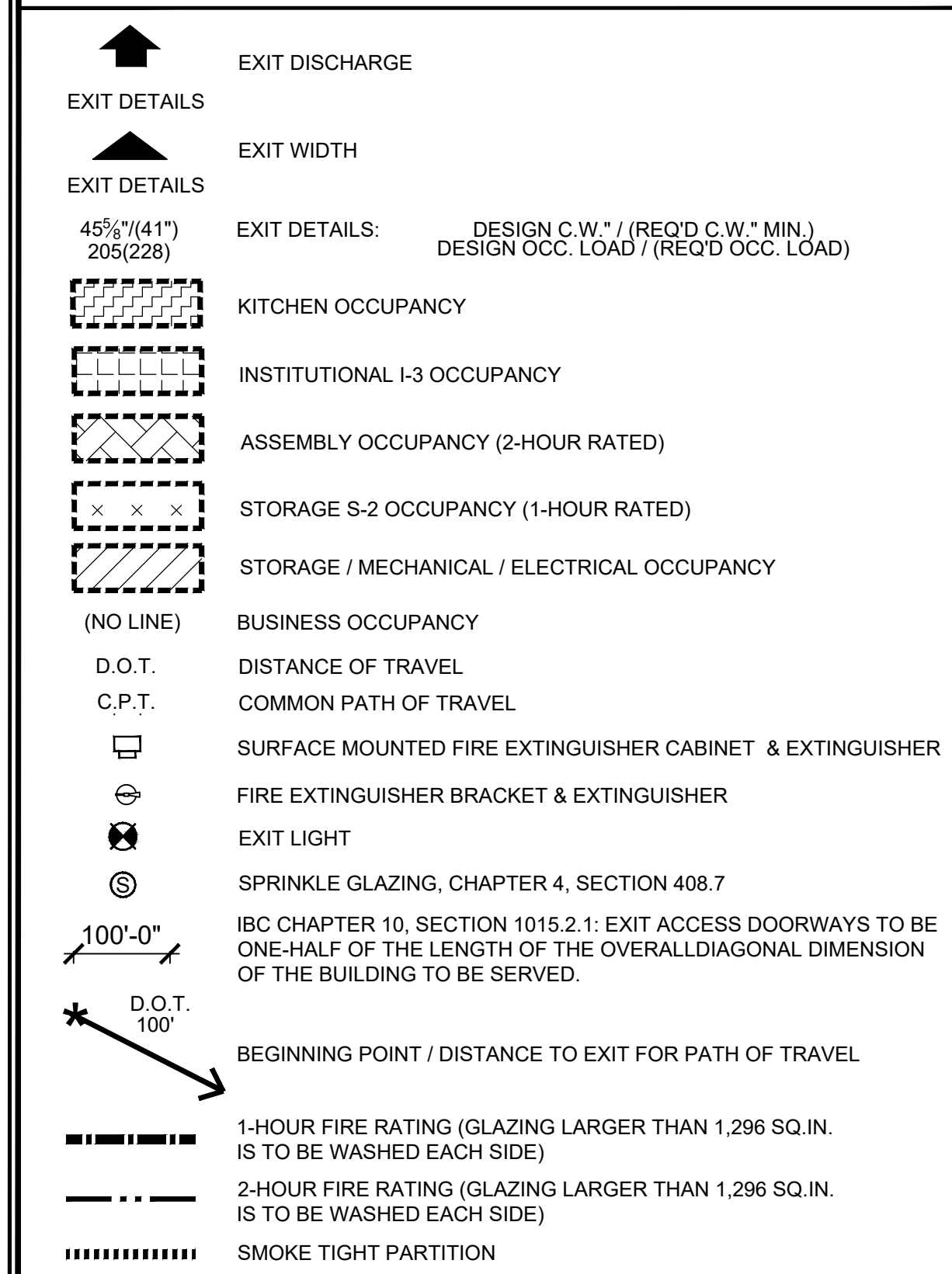
FIRST FLOOR RECAPITULATIONS
 INSTITUTIONAL I-3 OCCUPANCY: 6,971 G.S.F. / 120 G.S.F. / OCC. = 58 OCC.
 BUSINESS OCCUPANCY: 5,115 G.S.F. / 100 G.S.F. / OCC. = 52 OCC.
 KITCHEN OCCUPANCY: 758 G.S.F. / 200 G.S.F. / OCC. = 4 OCC.
 ACCESSORY S-2 STORAGE: 848 G.S.F. / 300 G.S.F. / OCC. = 3 OCC.
 STORAGE / MECHANICAL / ELECTRICAL: 1,972 G.S.F. = 16 AREAS = 16 OCC.
 RECORDS 107: 79 G.S.F. / 300 G.S.F. / OCC. = 1 OCC.
 ELECTRICAL 110: 122 G.S.F. / 300 G.S.F. / OCC. = 1 OCC.
 MECH 193: 108 G.S.F. / 300 G.S.F. / OCC. = 1 OCC.
 JANITOR 113: 34 G.S.F. / 300 G.S.F. / OCC. = 1 OCC.
 DRY STORAGE 117: 72 G.S.F. / 300 G.S.F. / OCC. = 1 OCC.
 COOLER 118: 71 G.S.F. / 300 G.S.F. / OCC. = 1 OCC.
 FREEZER 119: 70 G.S.F. / 300 G.S.F. / OCC. = 1 OCC.
 JANITOR 167: 35 G.S.F. / 300 G.S.F. / OCC. = 1 OCC.
 PROPERTY 168: 206 G.S.F. / 300 G.S.F. / OCC. = 1 OCC.
 DESIGN OCCUPANCY THIS FLOOR = 126
 TOTAL G.S.F. THIS PLAN: 15,271 G.S.F.

DESIGN OCCUPANCY: 126 OCC
 126 OCC EGRESS X 0.20 = 25" REQUIRED EGRESS THIS FLOOR

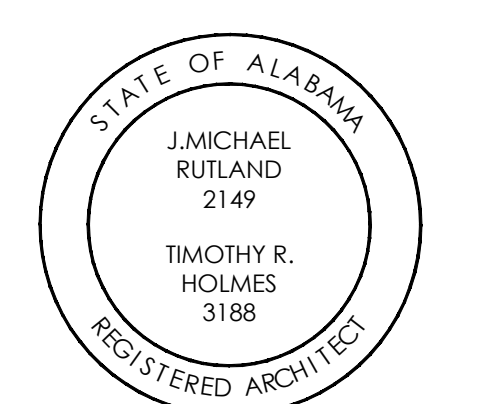
REQUIRED EGRESS = 25"
 PROVIDED EGRESS = 284"

TOTAL DESIGN OCCUPANCY = 1,454 OCCUPANTS
 (7) 34.625" DESIGN EGRESS / 0.20 = 173 OCC. @ EACH SINGLE EXIT
 (1) 48.625" DESIGN EGRESS / 0.20 = 243 OCC. @ EACH SINGLE EXIT

LIFE SAFETY LEGEND



JMR+H
 Architecture, P.C.
 445 Dexter Avenue
 Suite 5050
 Montgomery, AL 36104
 Phone: (334) 420-5672
 Fax: (334) 420-5692



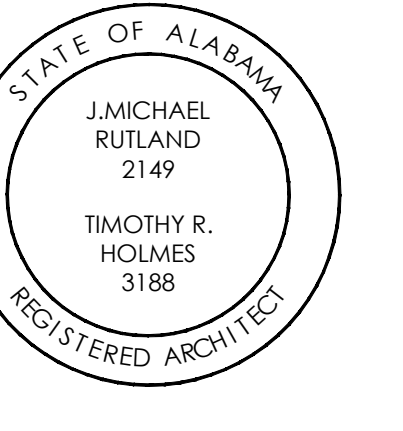
**CHOCTAW COUNTY JAIL
 BUTLER,
 ALABAMA**

CONSTRUCTION DOCUMENTS

Project Number: 22-1189
 Date: 30 MAY 2024
 Revisions:

Sheet Description
LIFE SAFETY PLAN
 Sheet Number

LS1.1



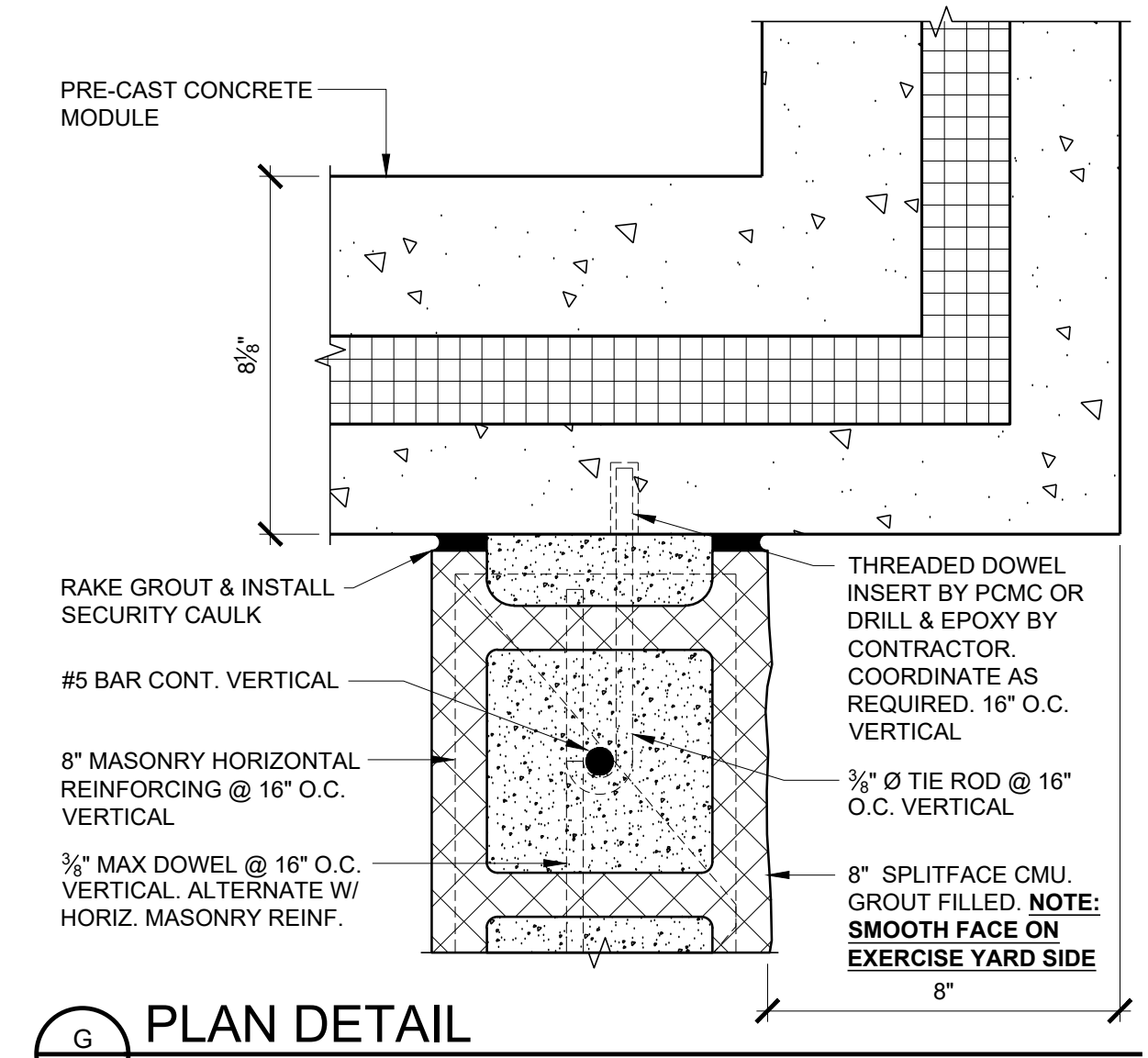
**CHOCTAW COUNTY JAIL
 BUTLER, ALABAMA**

CONSTRUCTION DOCUMENTS

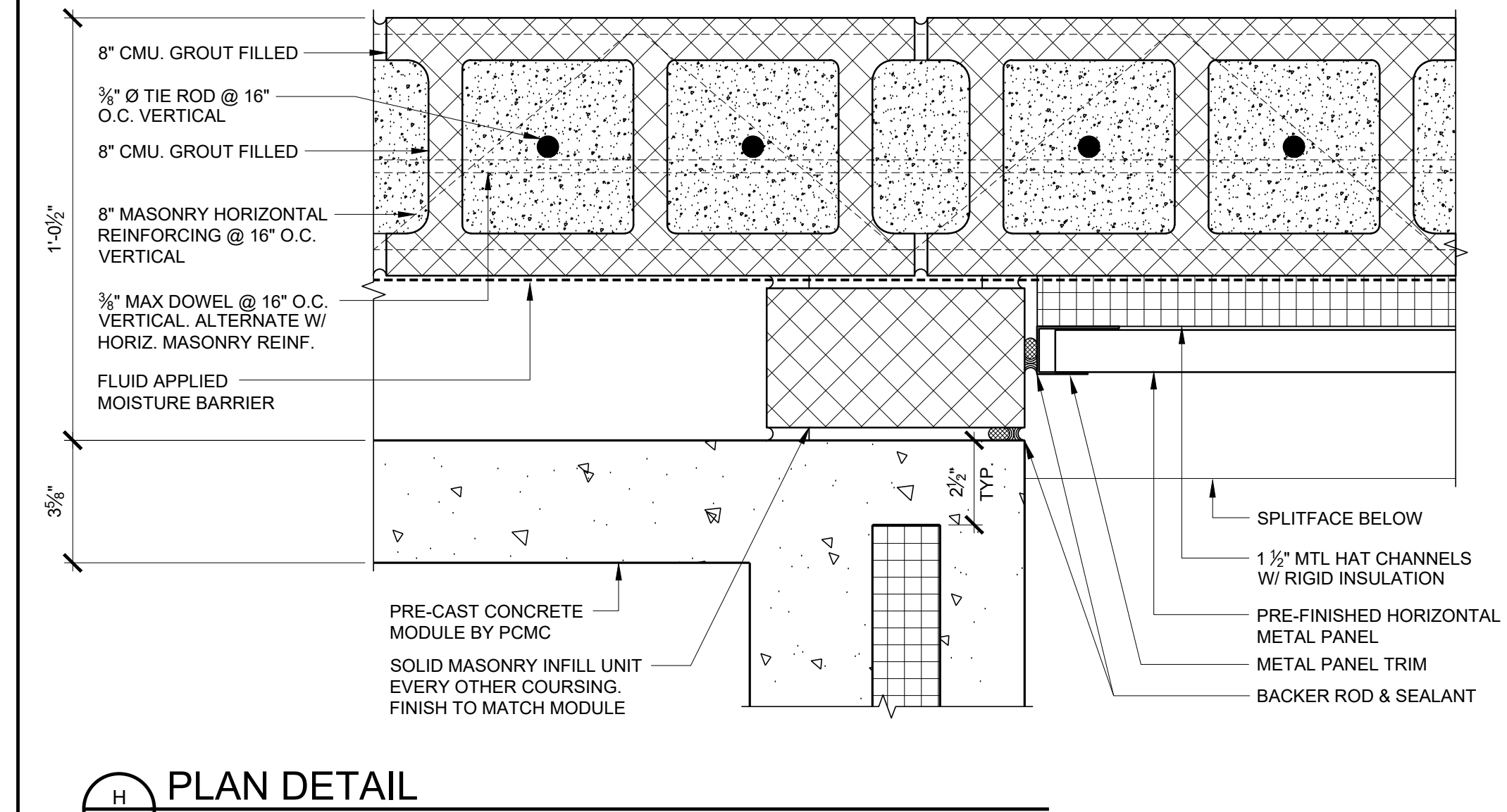
Project Number: 22-1189
 Date: 30 MAY 2024
 Revisions:

KEY & SYMBOL FLOOR PLAN

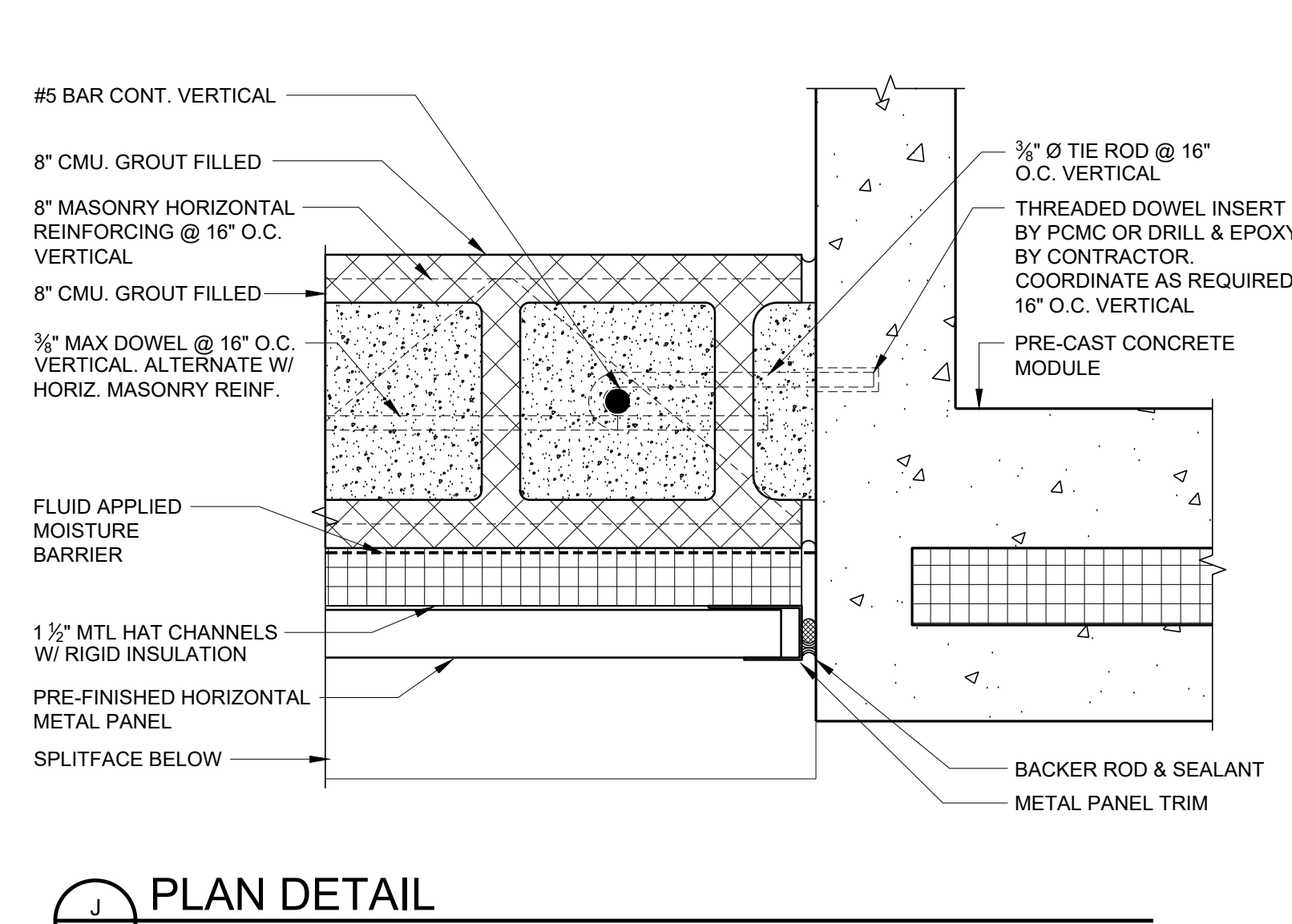
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A1.2



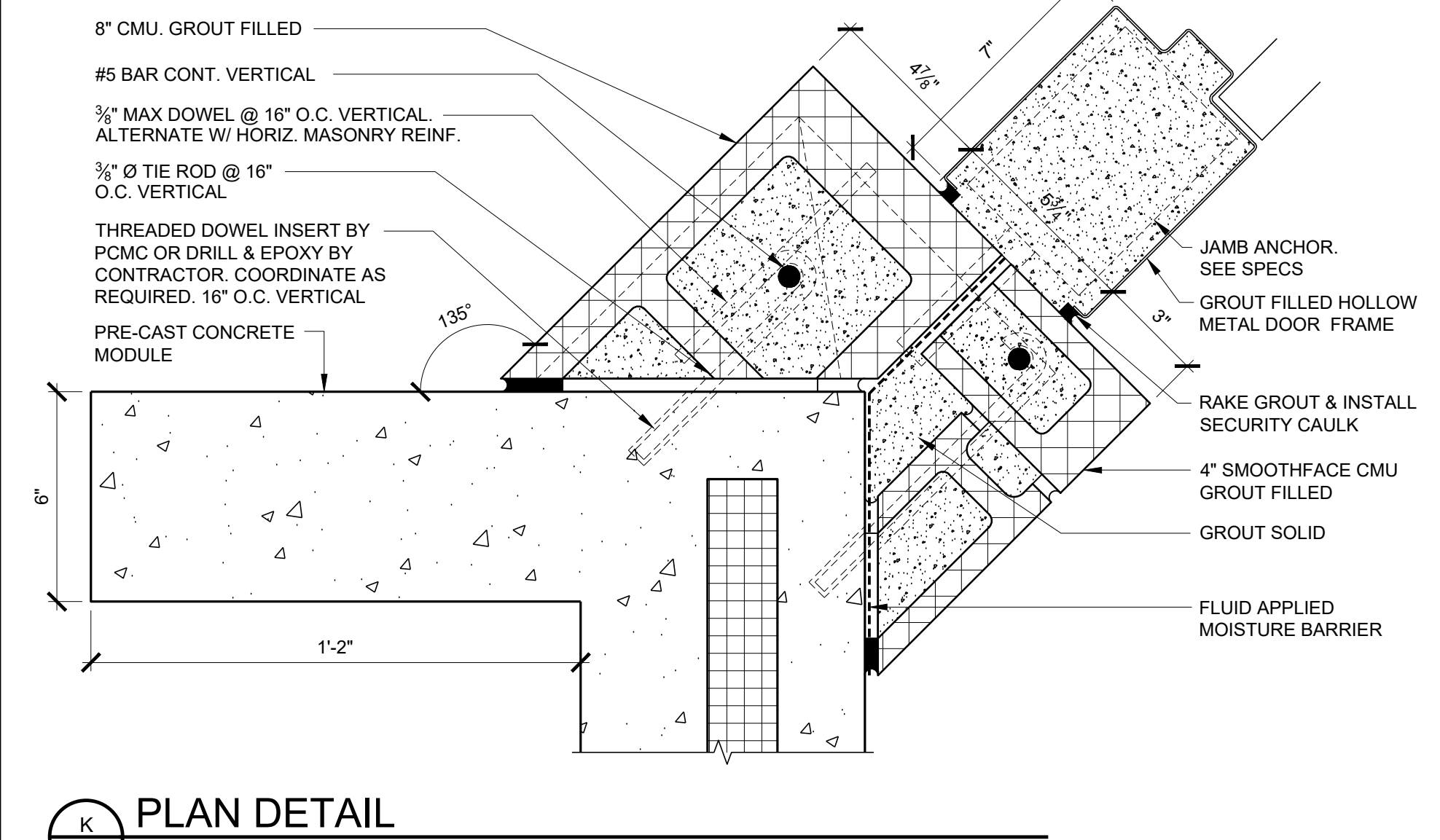
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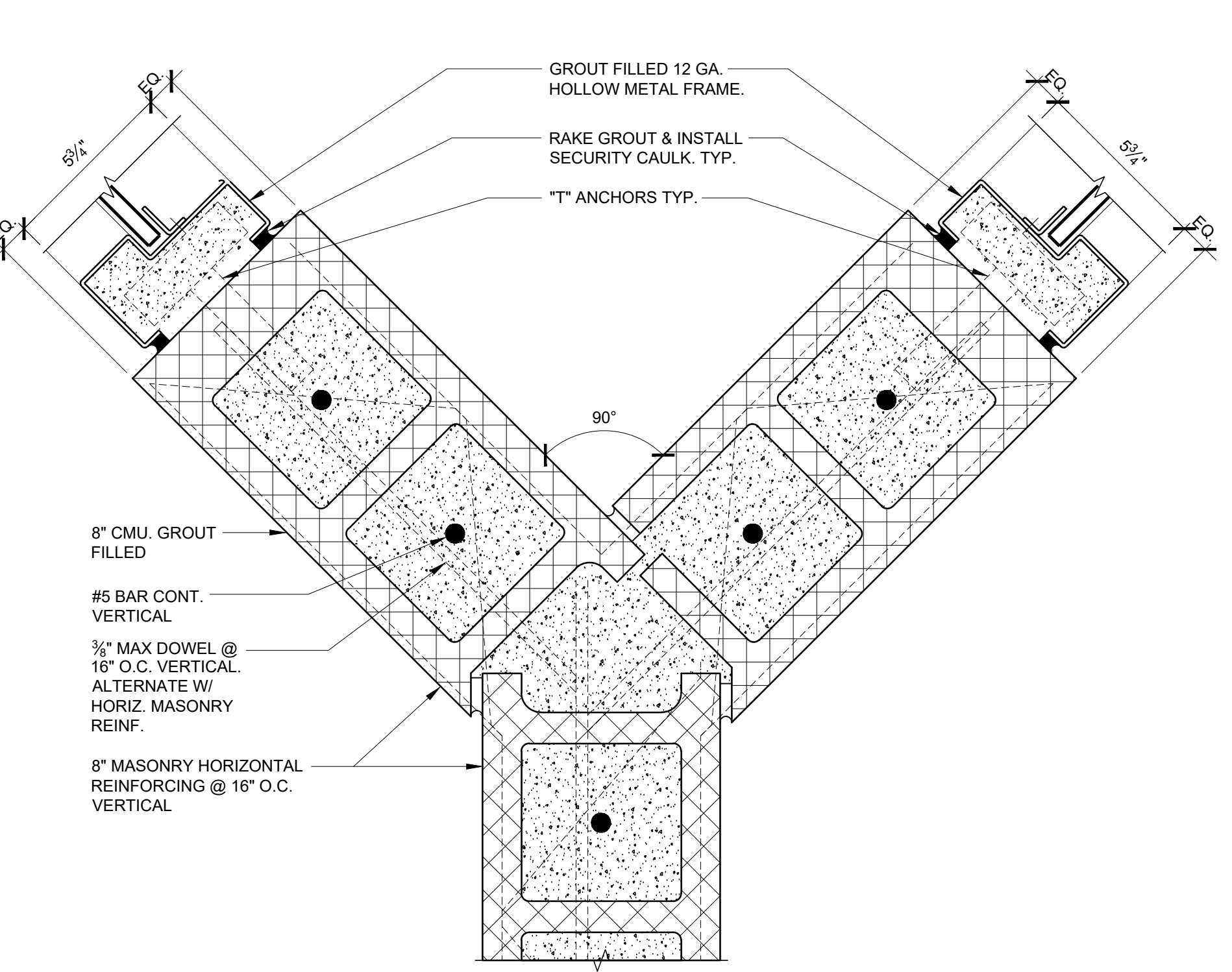
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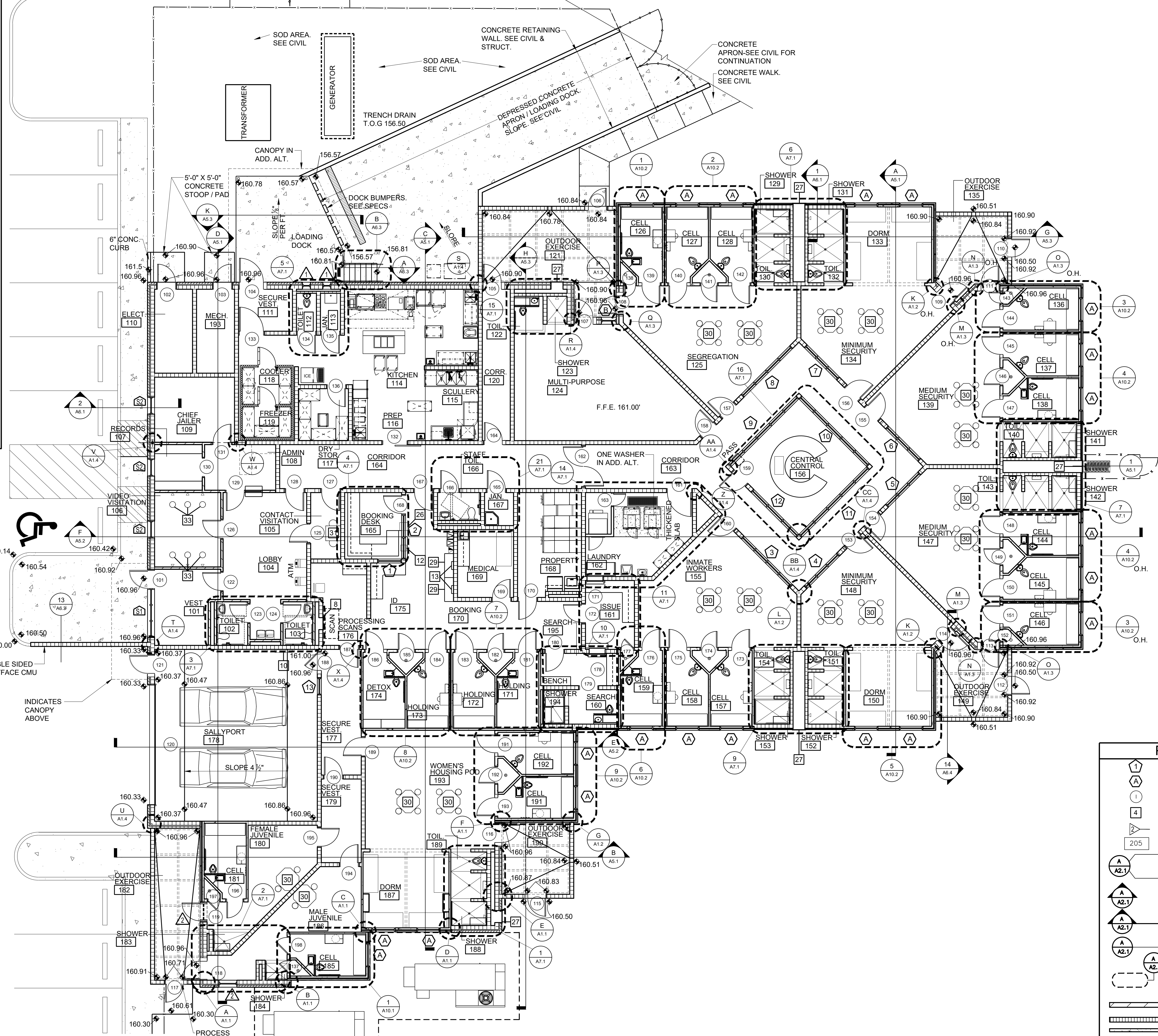
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K PLAN DETAIL
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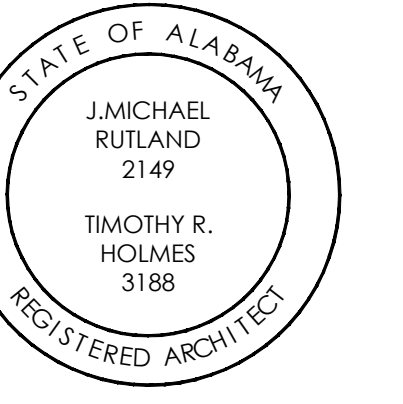
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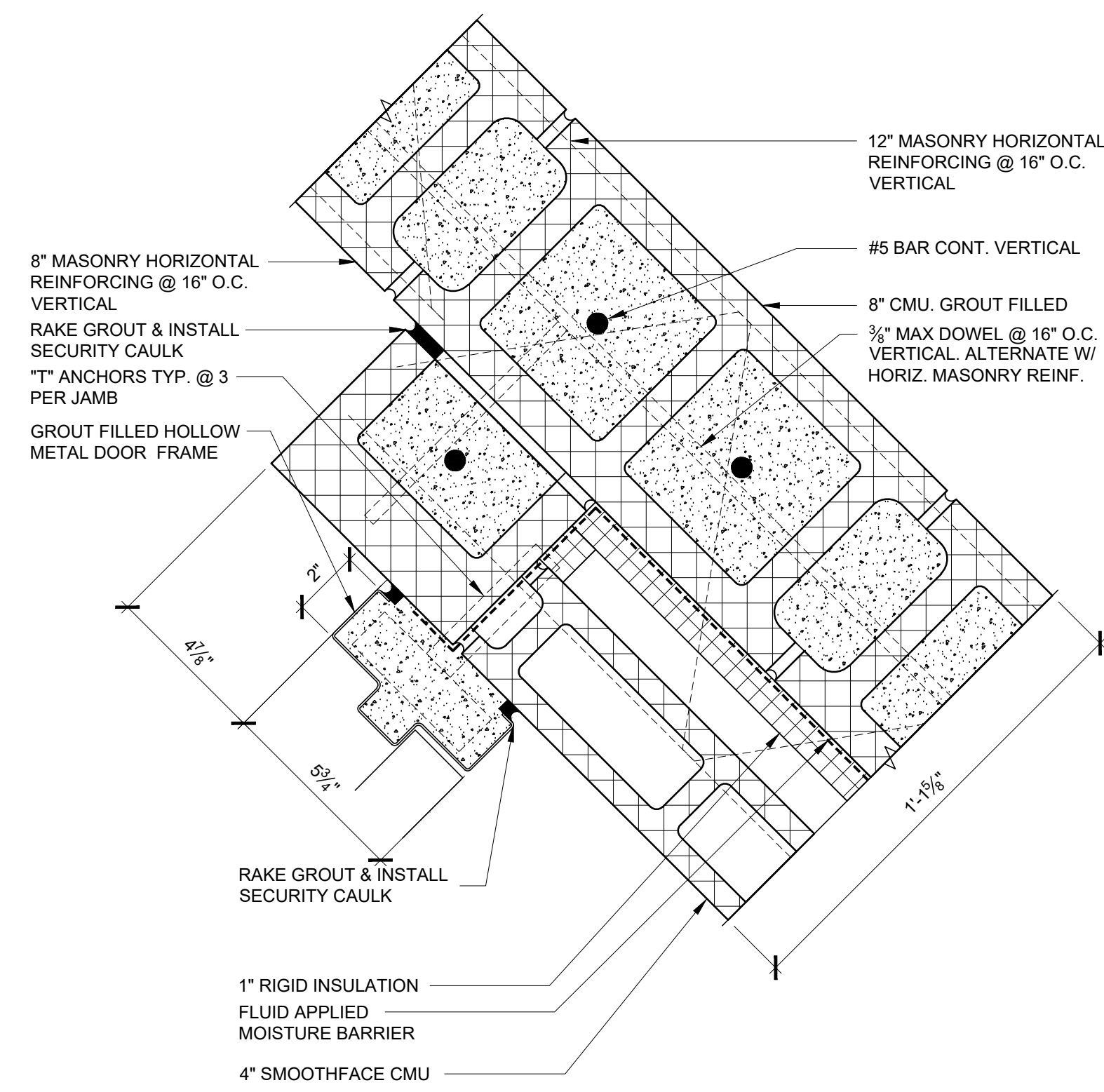
KEY & SYMBOL FLOOR PLAN
 SCALE: 1/8"=1'-0"

PLAN LEGEND	
	HOLLOW METAL MARK
	SECURITY WINDOW MARK
	DOOR MARK
	SECURITY FIXTURE MARK (REFER TO SECURITY DETAILS)
	WALL TYPE MARK
	ROOM FINISH MARK
	DETAIL OR ELEVATION NUMBER
	SHEET NUMBER
	ELEVATION KEY
	SECTION KEY
	DETAIL KEY
	PLAN OR SECTION ENLARGEMENT
	METAL STUD WALL
	CMU
	CONCRETE/MODULE
	EXTERIOR WALL CONC. MODULE
	EXTERIOR WALL CMU/VENER WATER TABLE/HORIZONTAL METAL PANEL

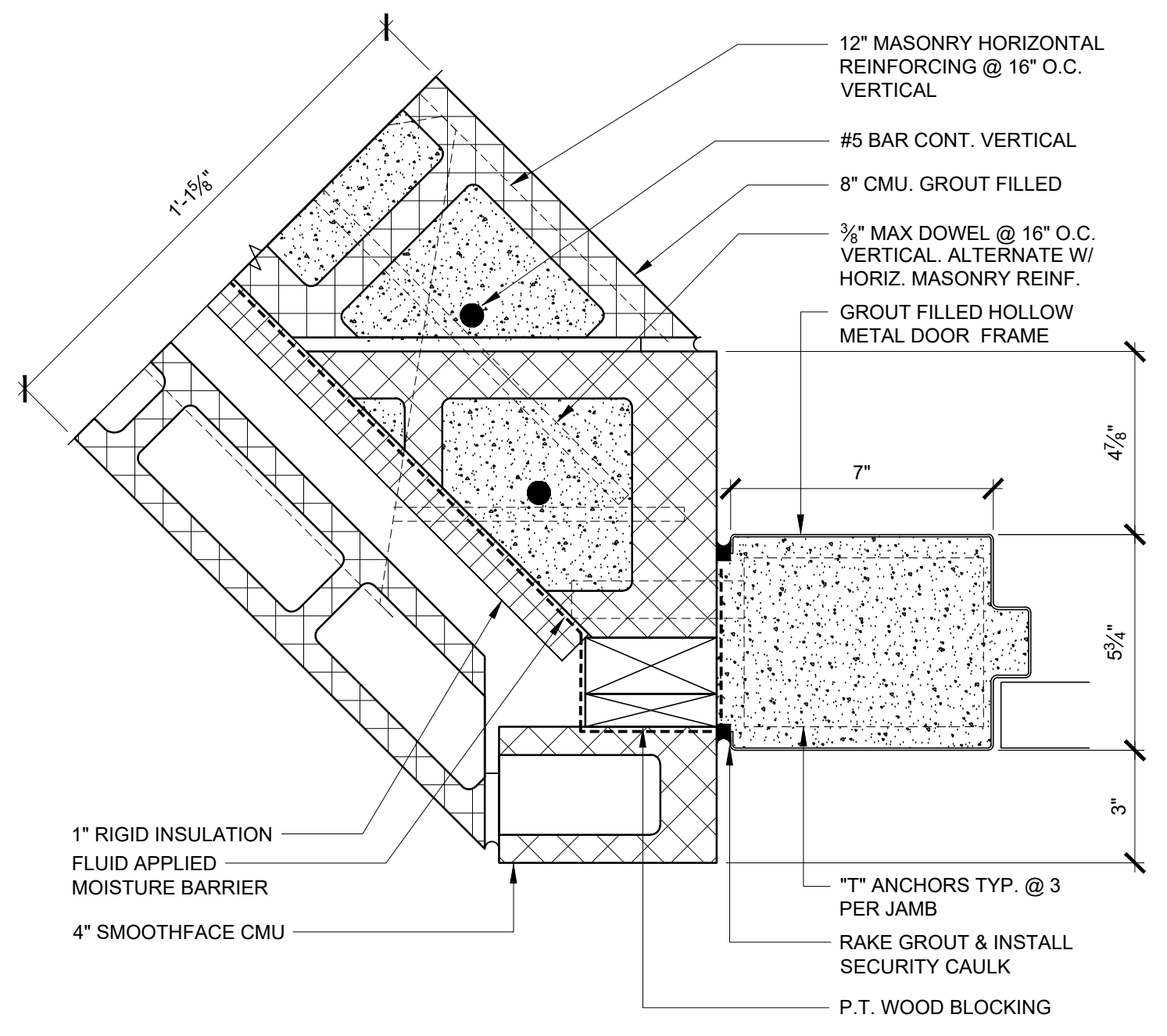
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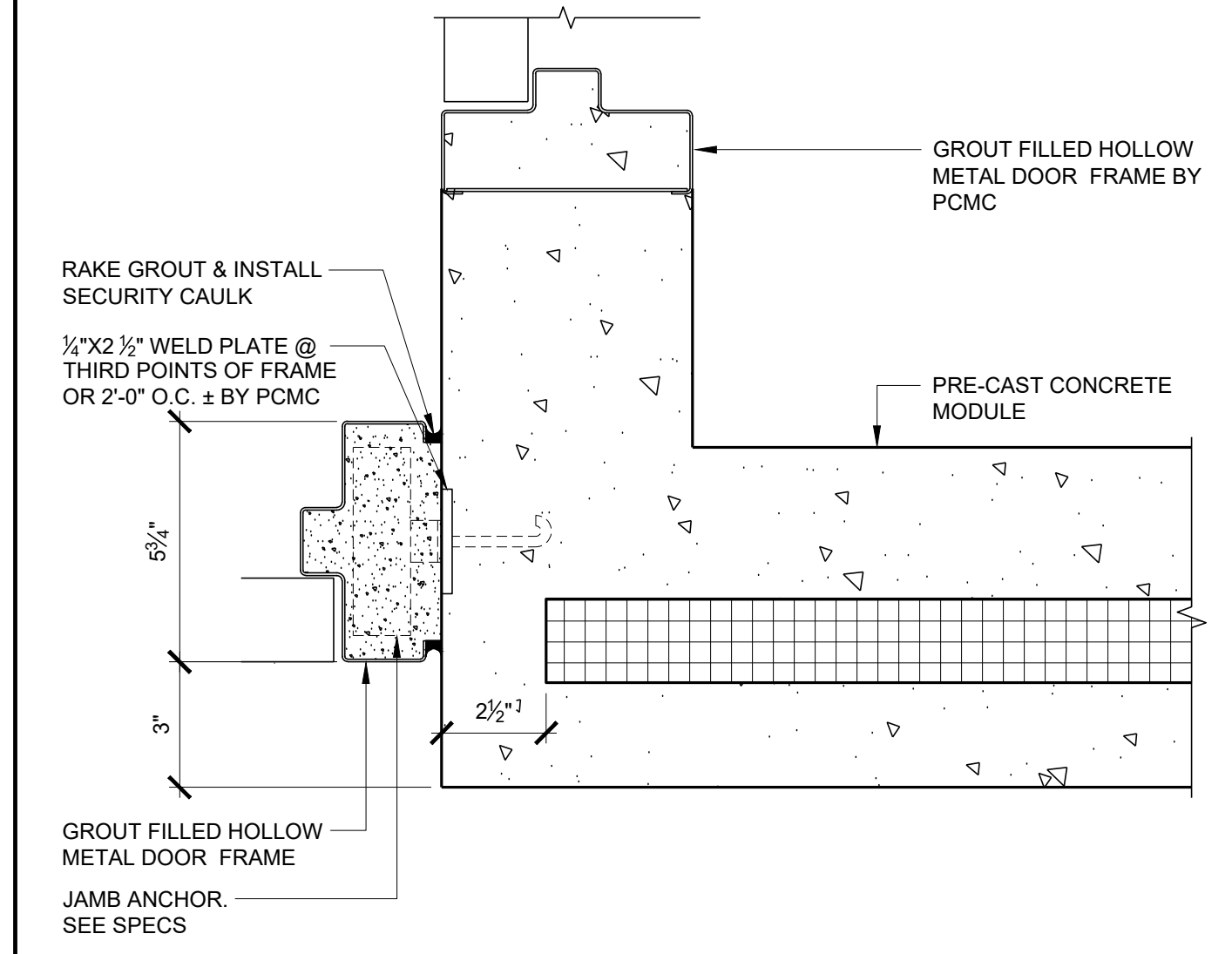
**CHOCTAW COUNTY JAIL
 BUTLER,
 ALABAMA**



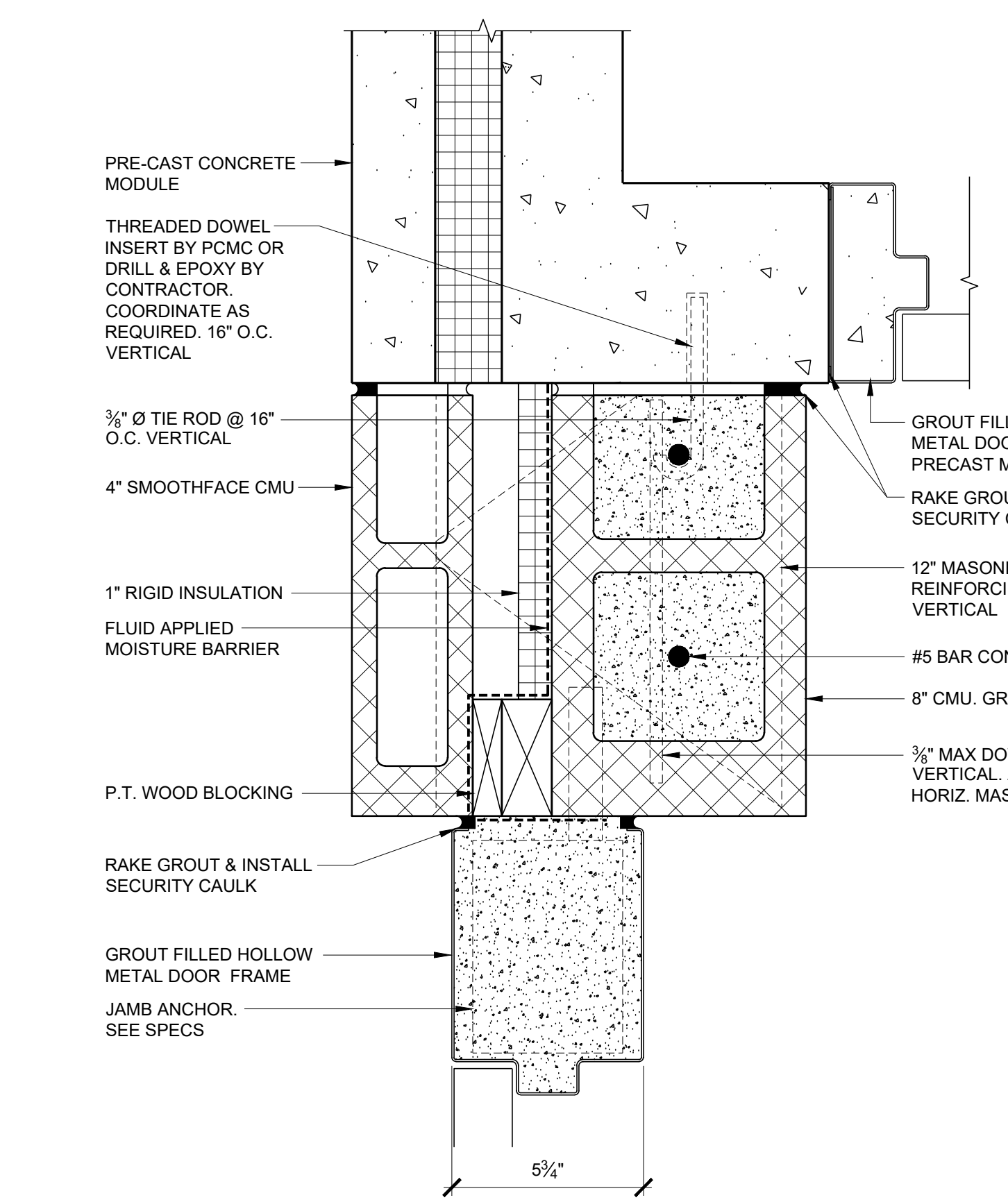
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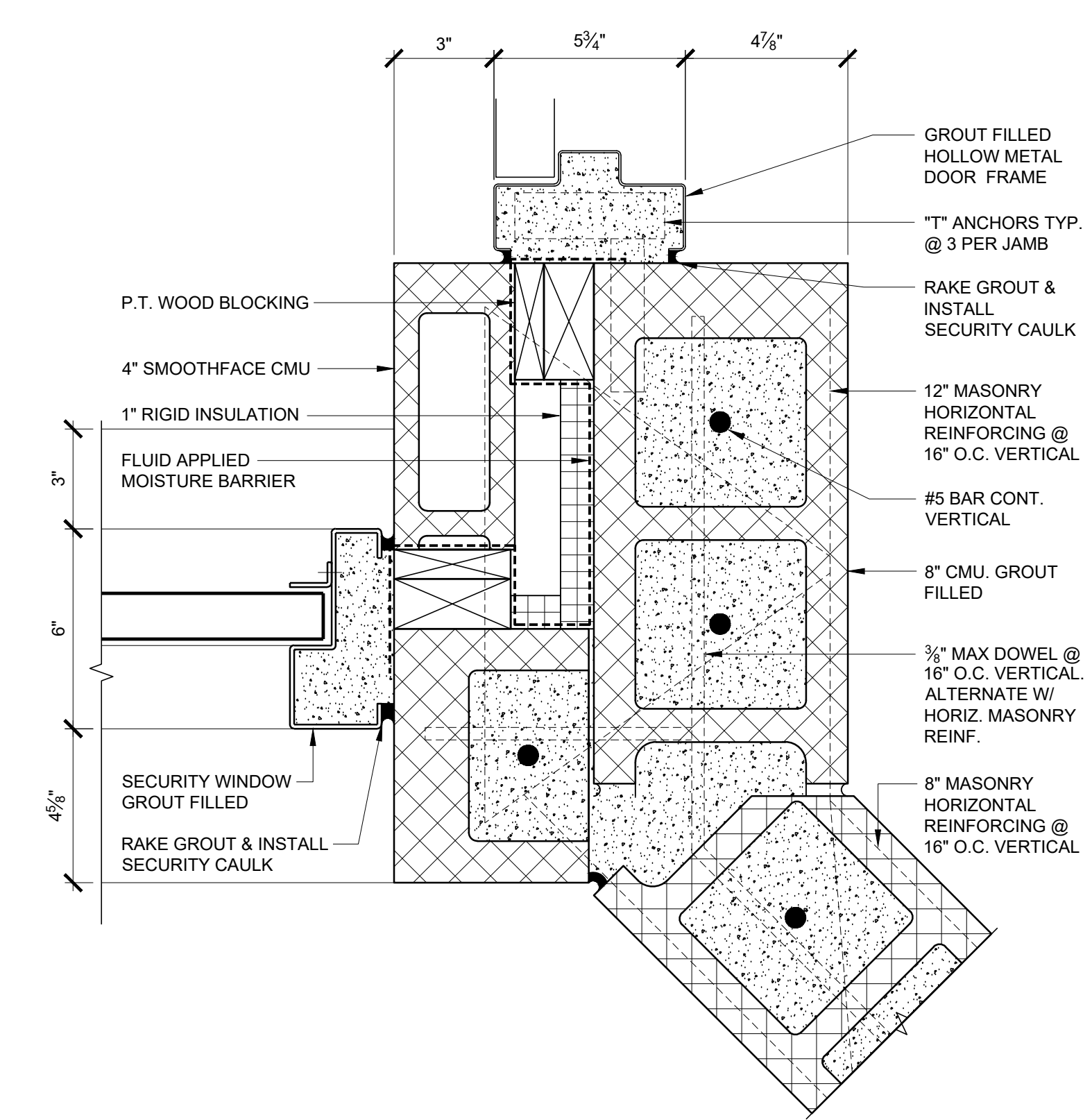
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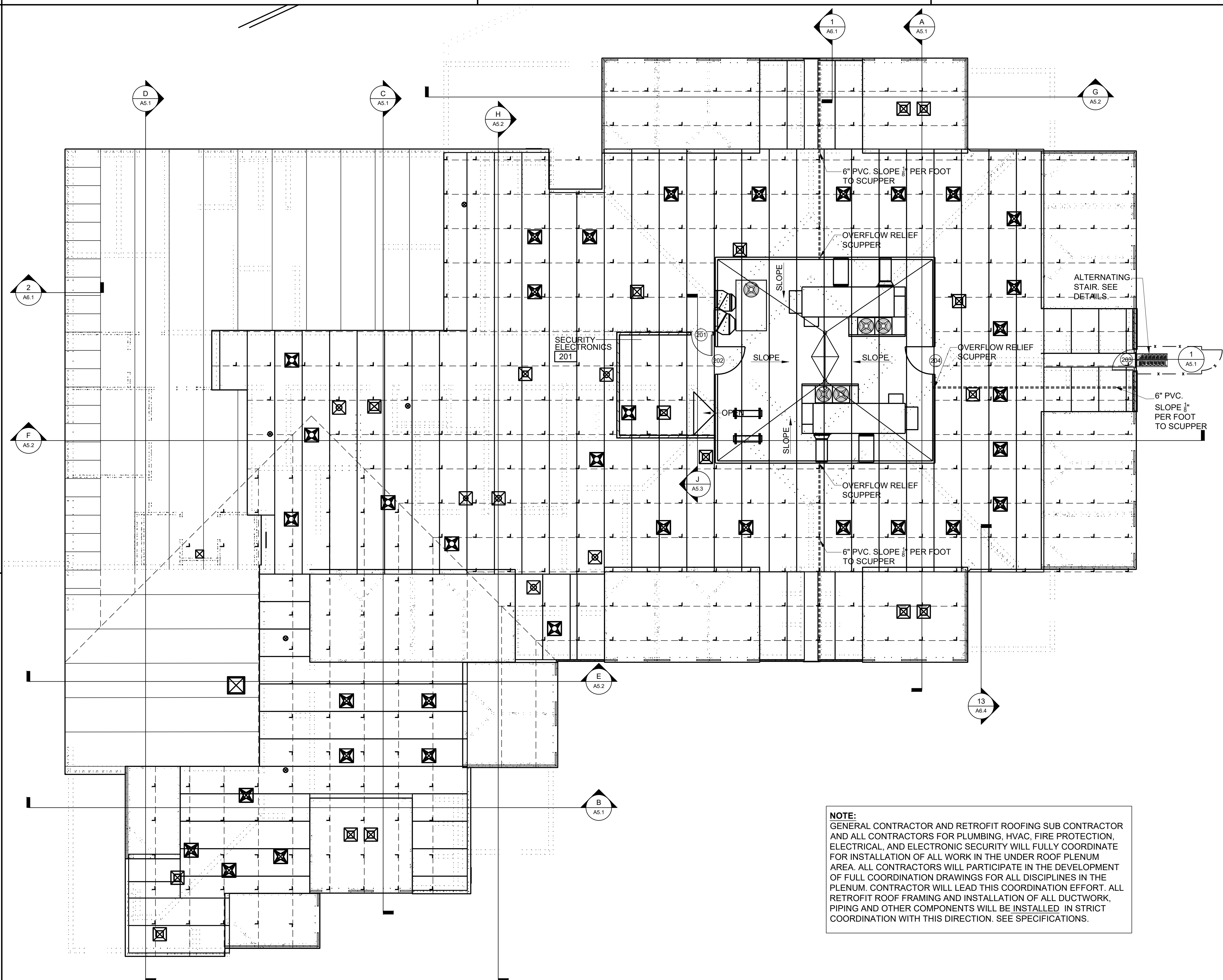
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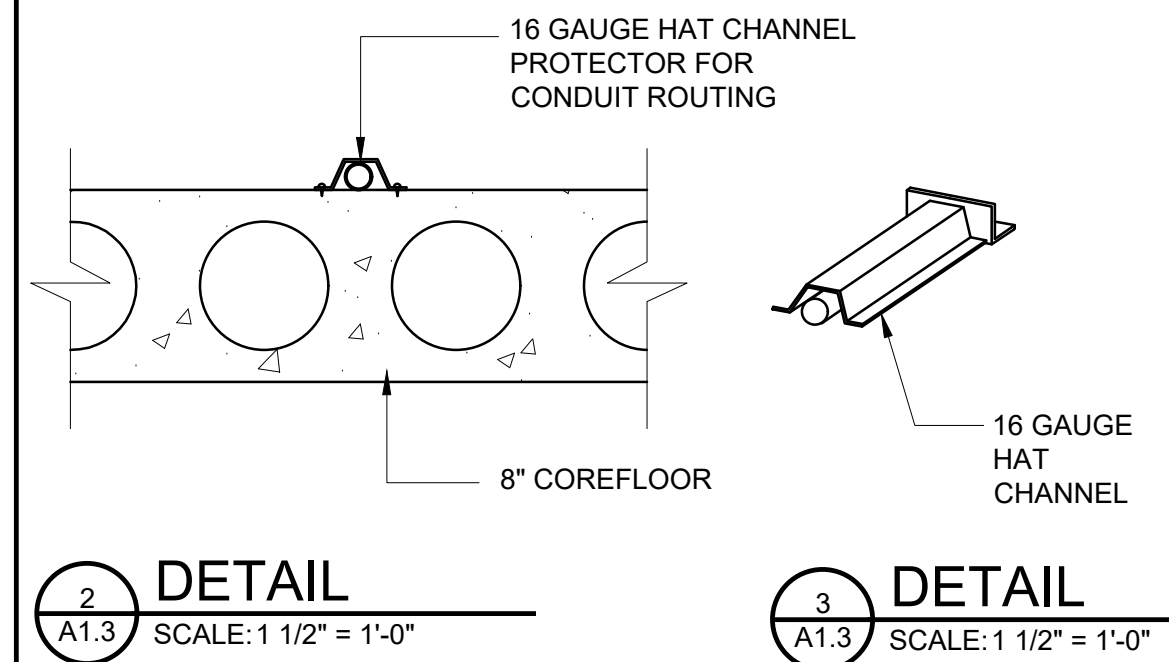
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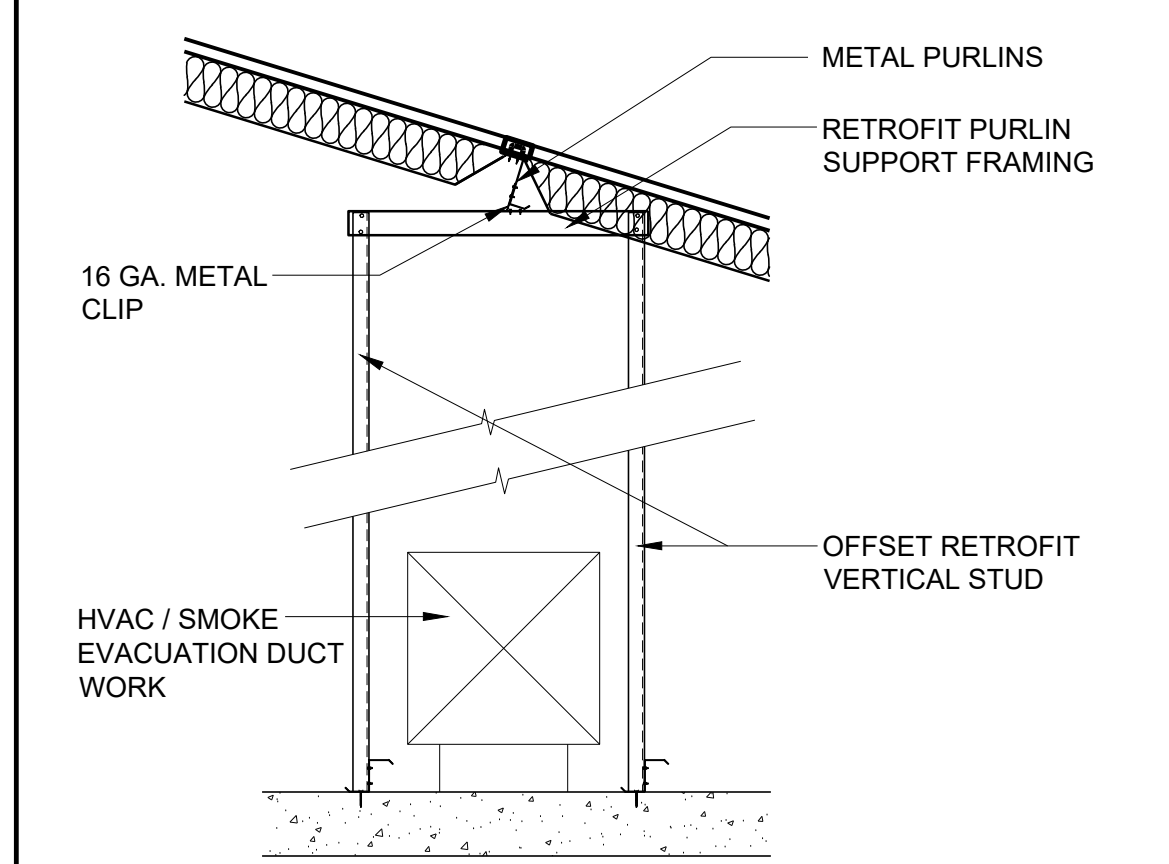
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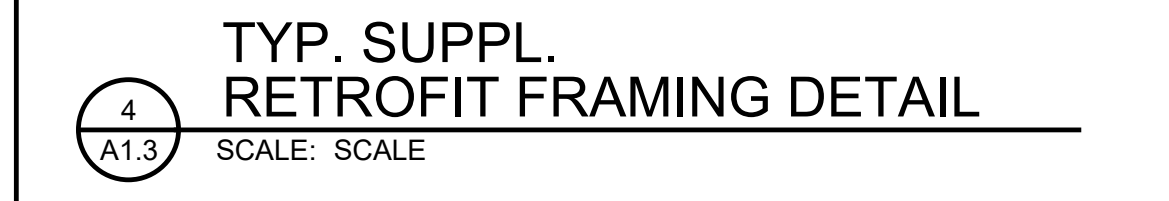
PLENUM PLAN
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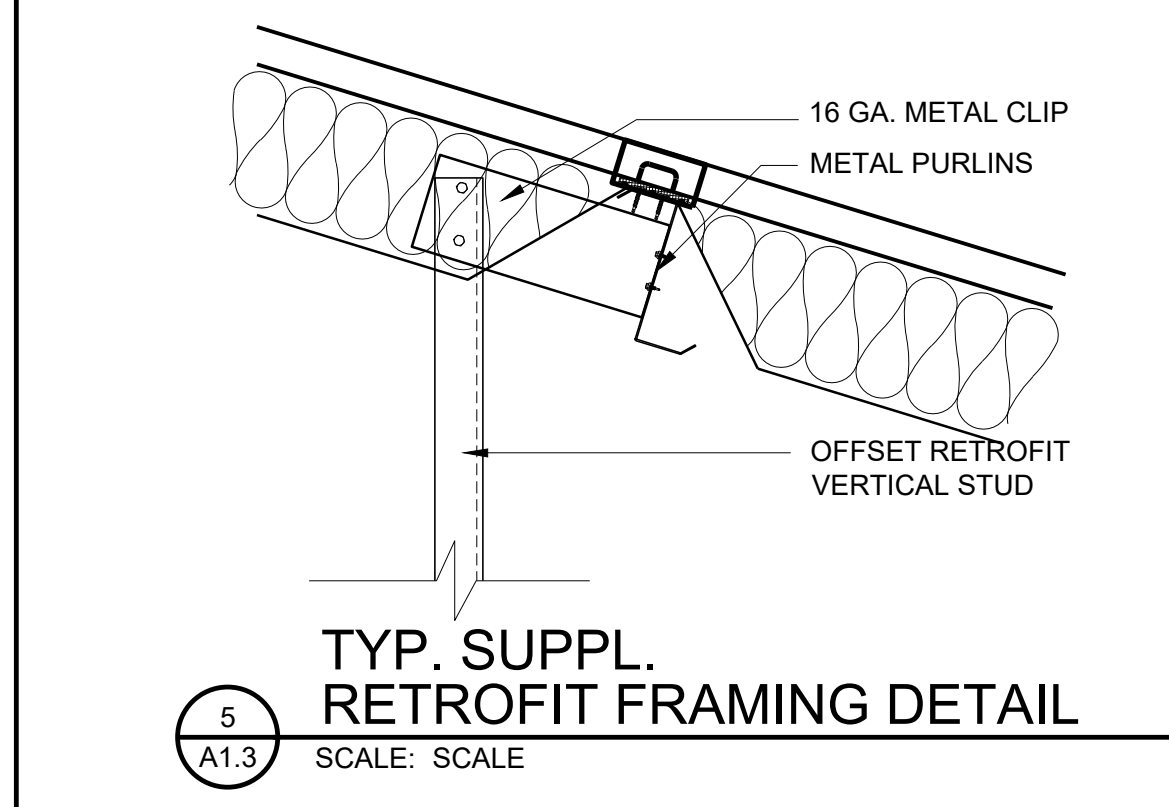
2 DETAIL
 SCALE: 1 1/2" = 1'-0"



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



TYP. SUPPL. RETROFIT FRAMING DETAIL
 SCALE: SCALE



TYP. SUPPL. RETROFIT FRAMING DETAIL
 SCALE: SCALE

NOTE:
 GENERAL CONTRACTOR AND RETROFIT ROOFING SUB CONTRACTOR AND ALL CONTRACTORS FOR PLUMBING, HVAC, FIRE PROTECTION, ELECTRICAL, AND ELECTRONIC SECURITY WILL FULLY COORDINATE FOR INSTALLATION OF ALL WORK IN THE UNDER ROOF PLENUM AREA. ALL CONTRACTORS WILL PARTICIPATE IN THE DEVELOPMENT OF FULL COORDINATION DRAWINGS FOR ALL DISCIPLINES IN THE PLENUM. CONTRACTOR WILL LEAD THIS COORDINATION EFFORT. ALL RETROFIT ROOF FRAMING AND INSTALLATION OF ALL DUCTWORK, PIPING AND OTHER COMPONENTS WILL BE INSTALLED IN STRICT COORDINATION WITH THIS DIRECTION. SEE SPECIFICATIONS.

CONSTRUCTION DOCUMENTS

Project Number: 22-1189
 Date: 30 MAY 2024
 Revisions:

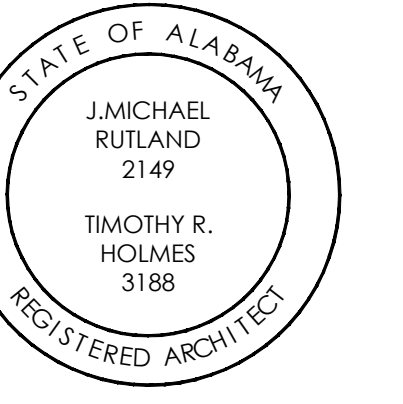
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PLENUM PLAN

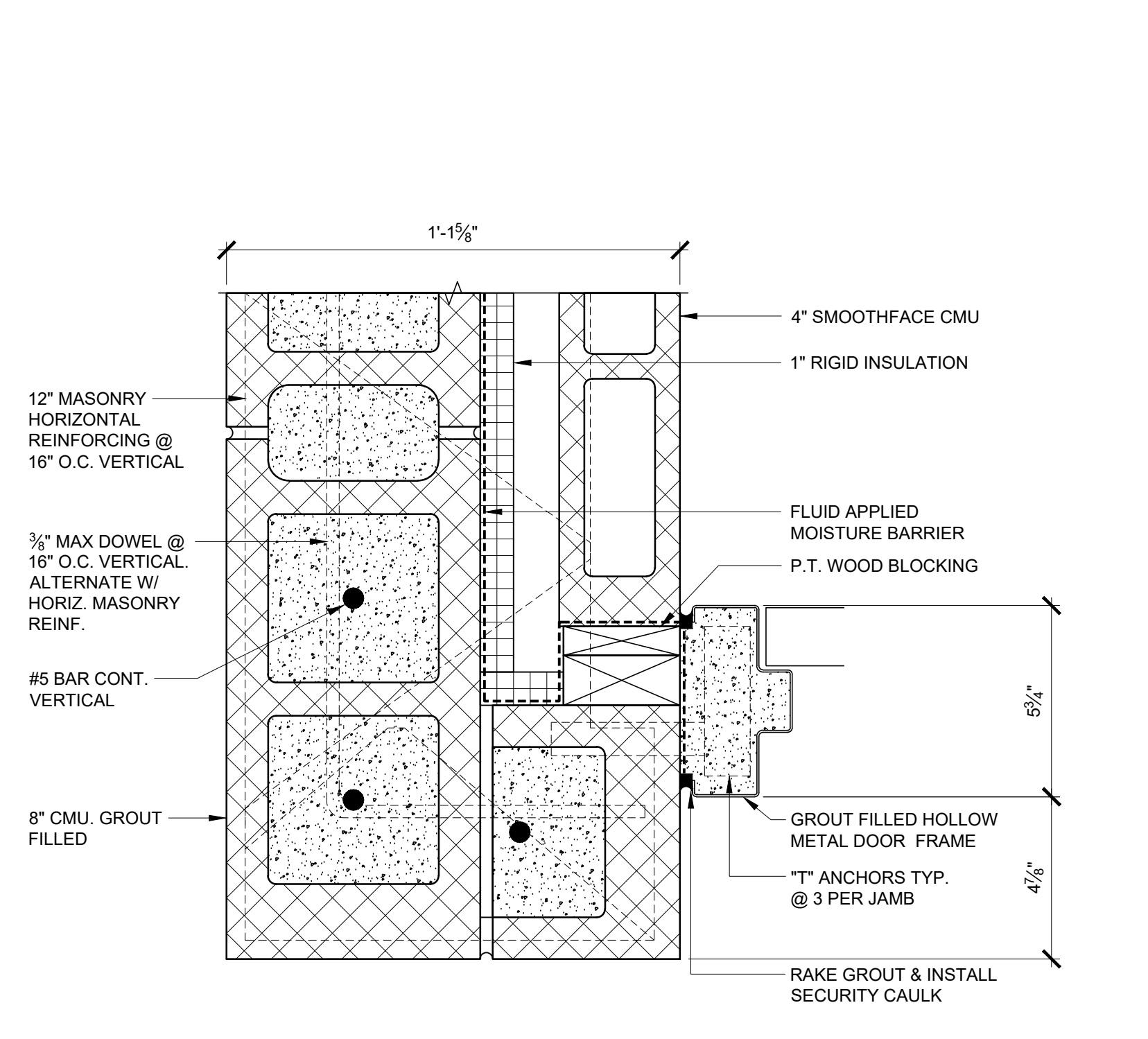
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A1.3

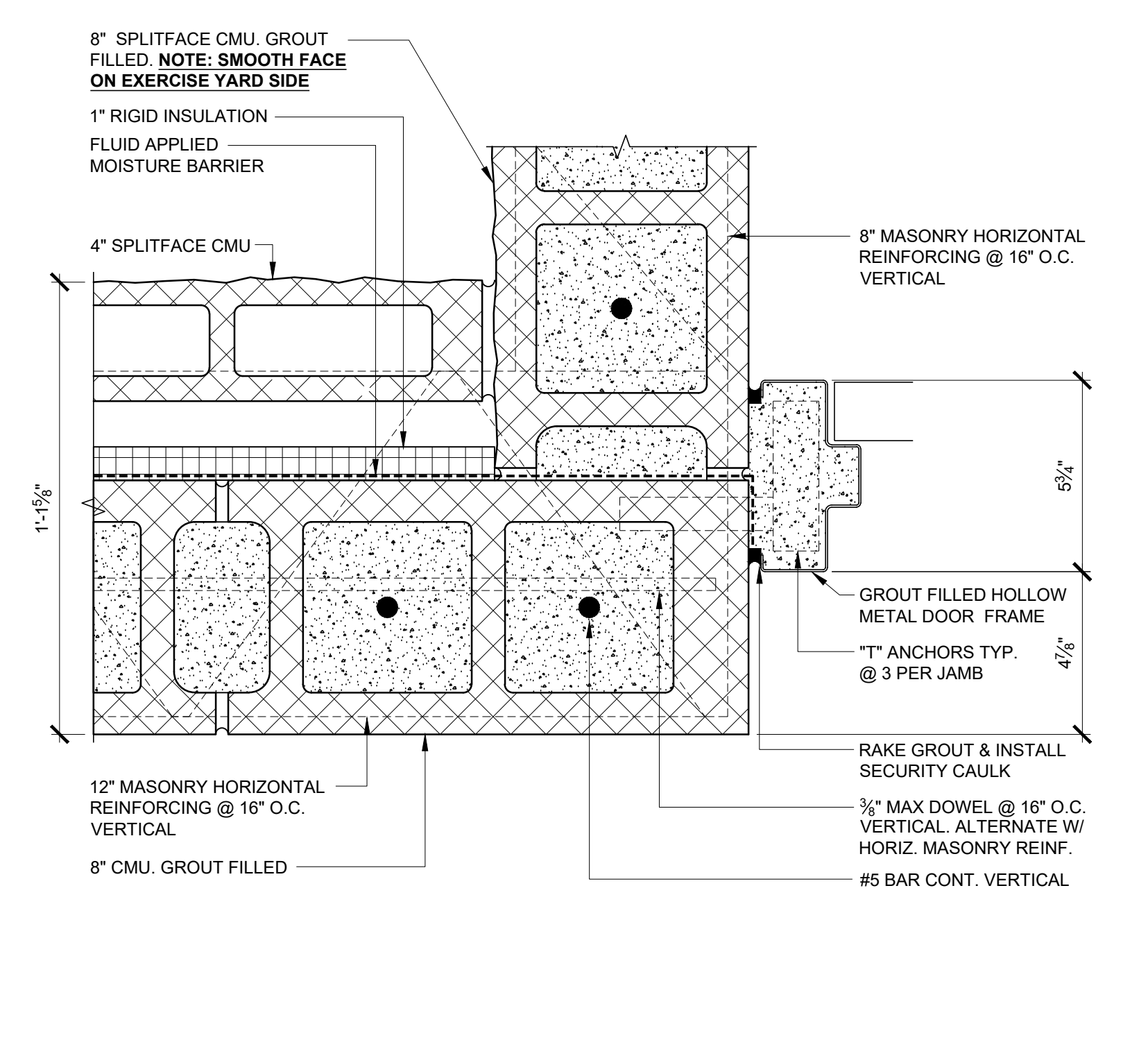
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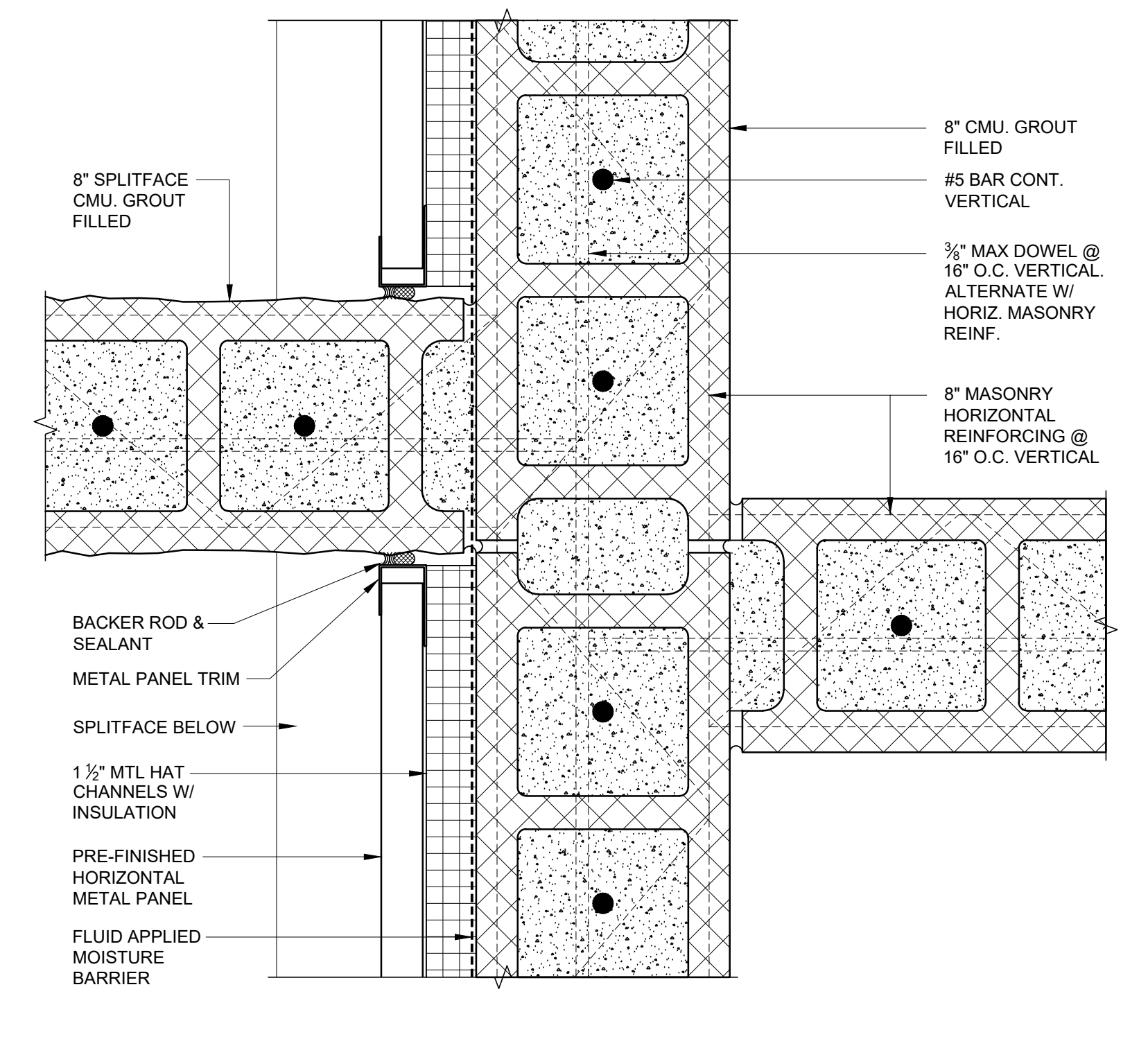
**CHOCTAW COUNTY JAIL
 BUTLER,
 ALABAMA**



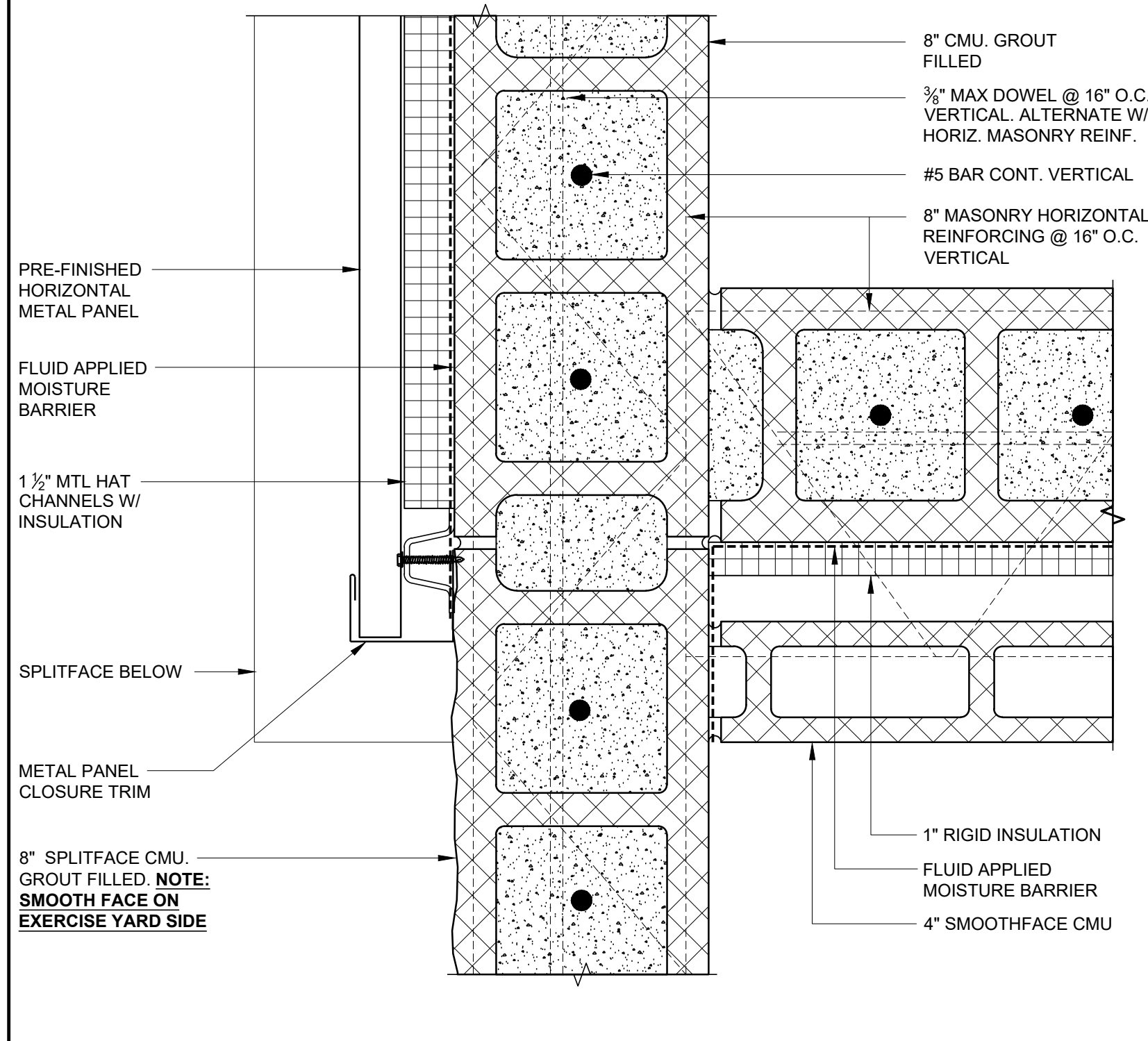
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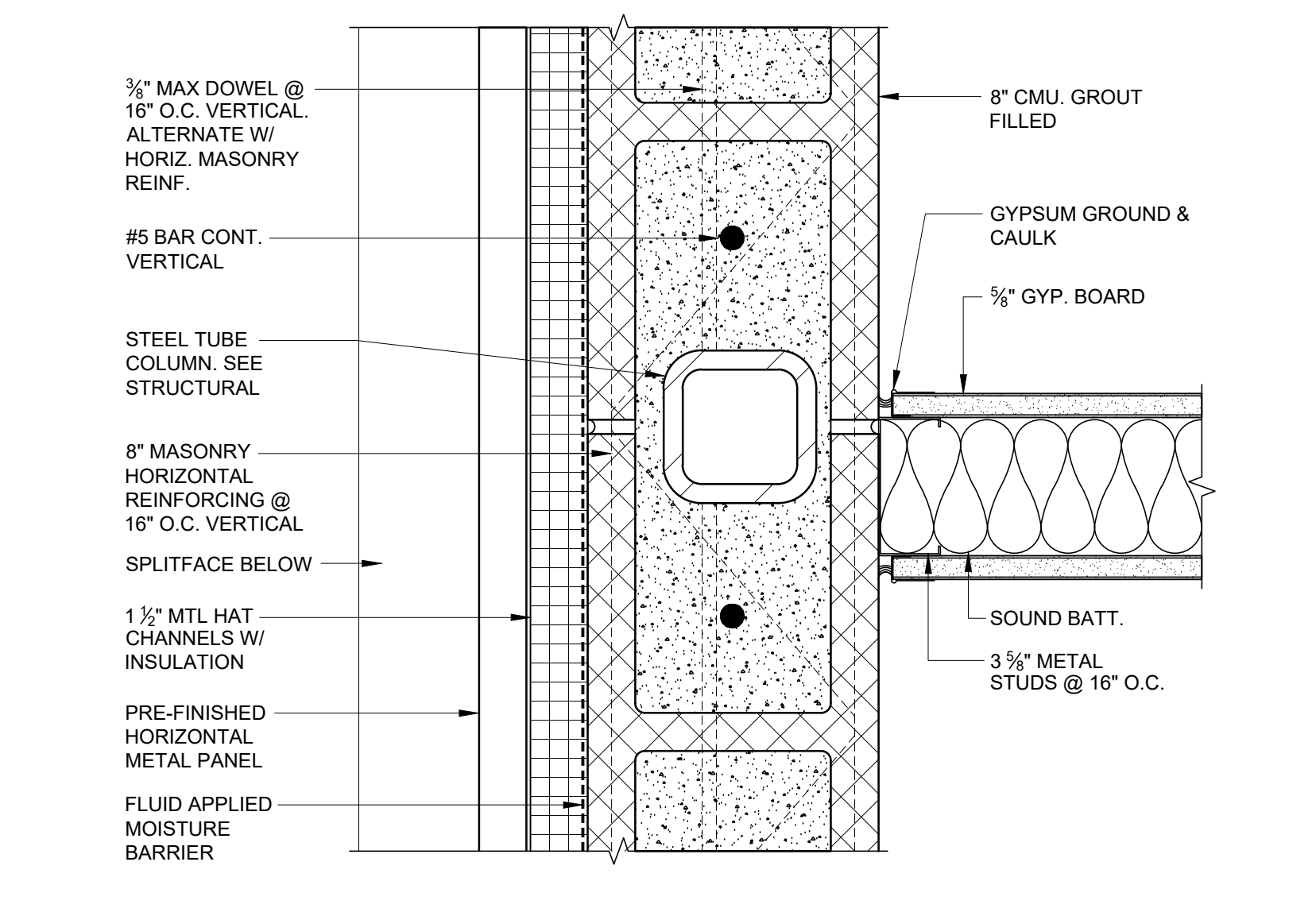
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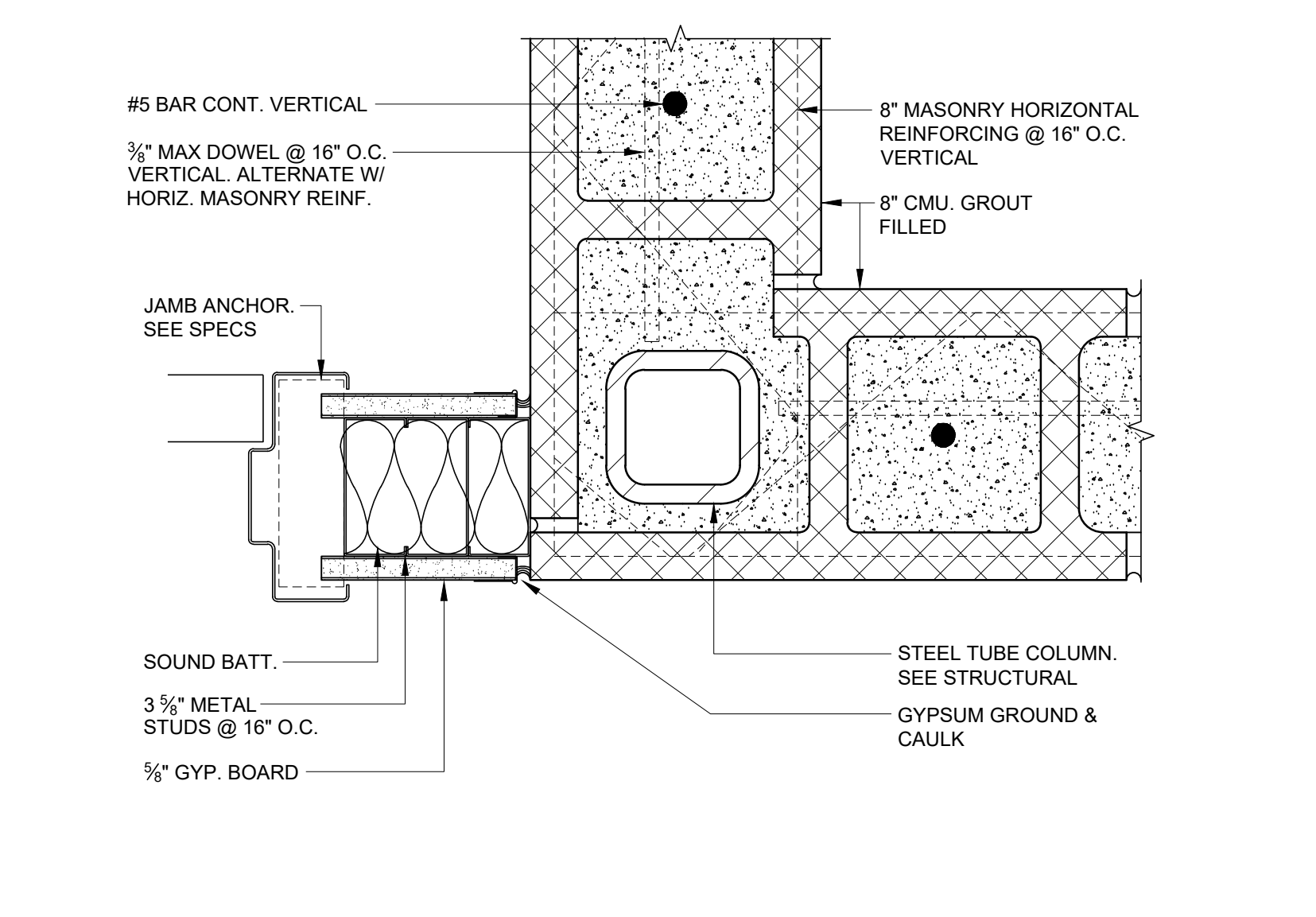
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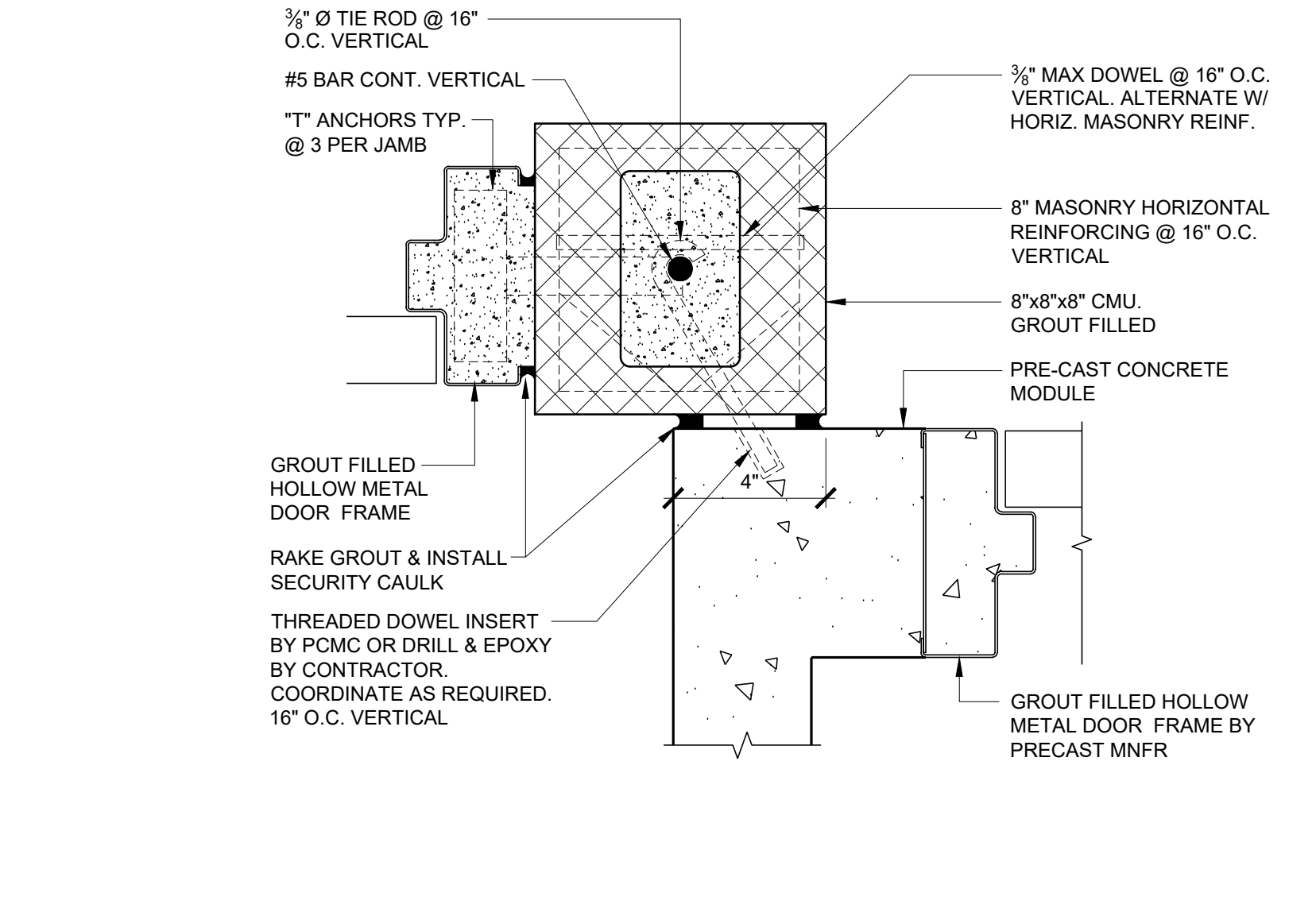
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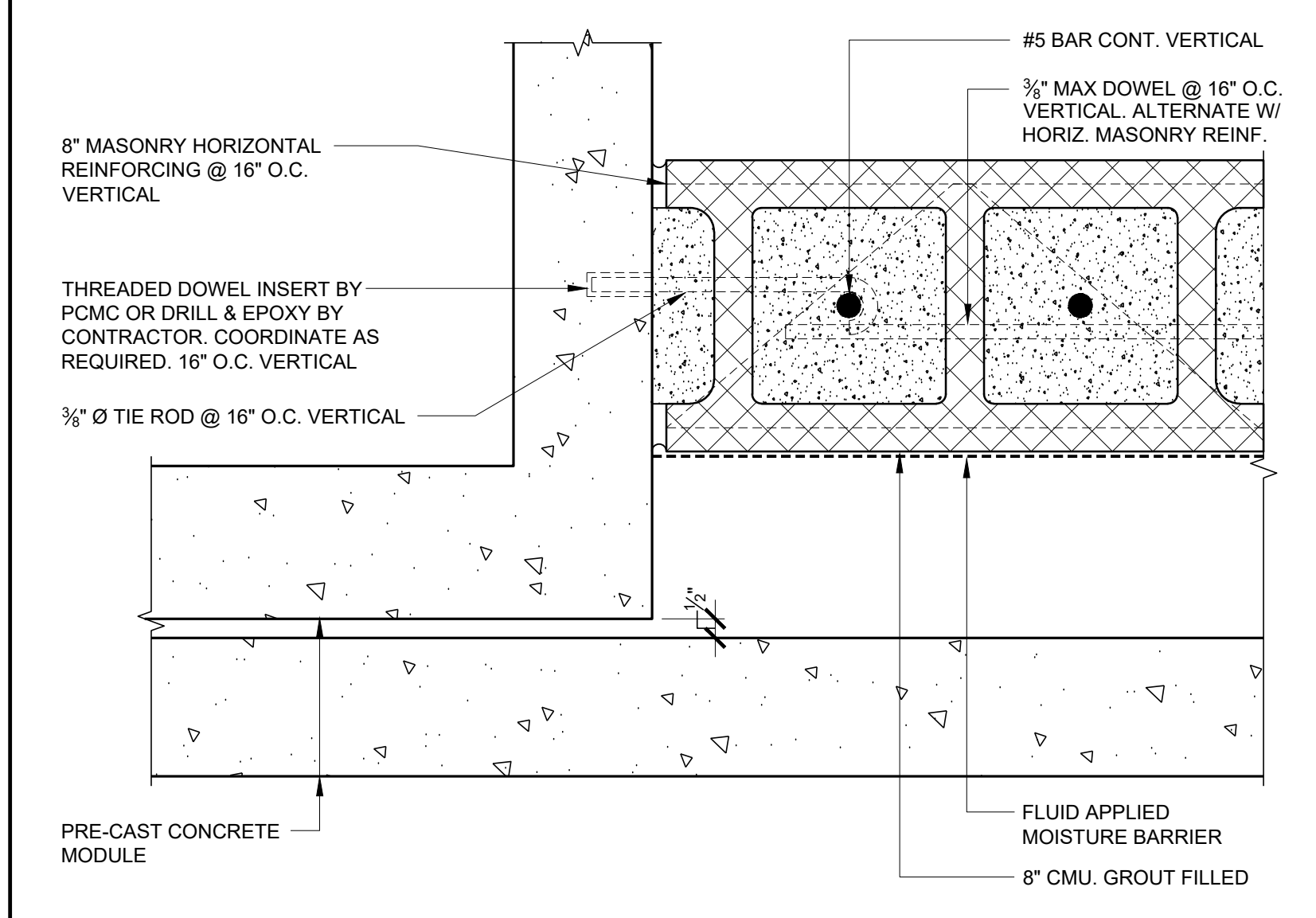
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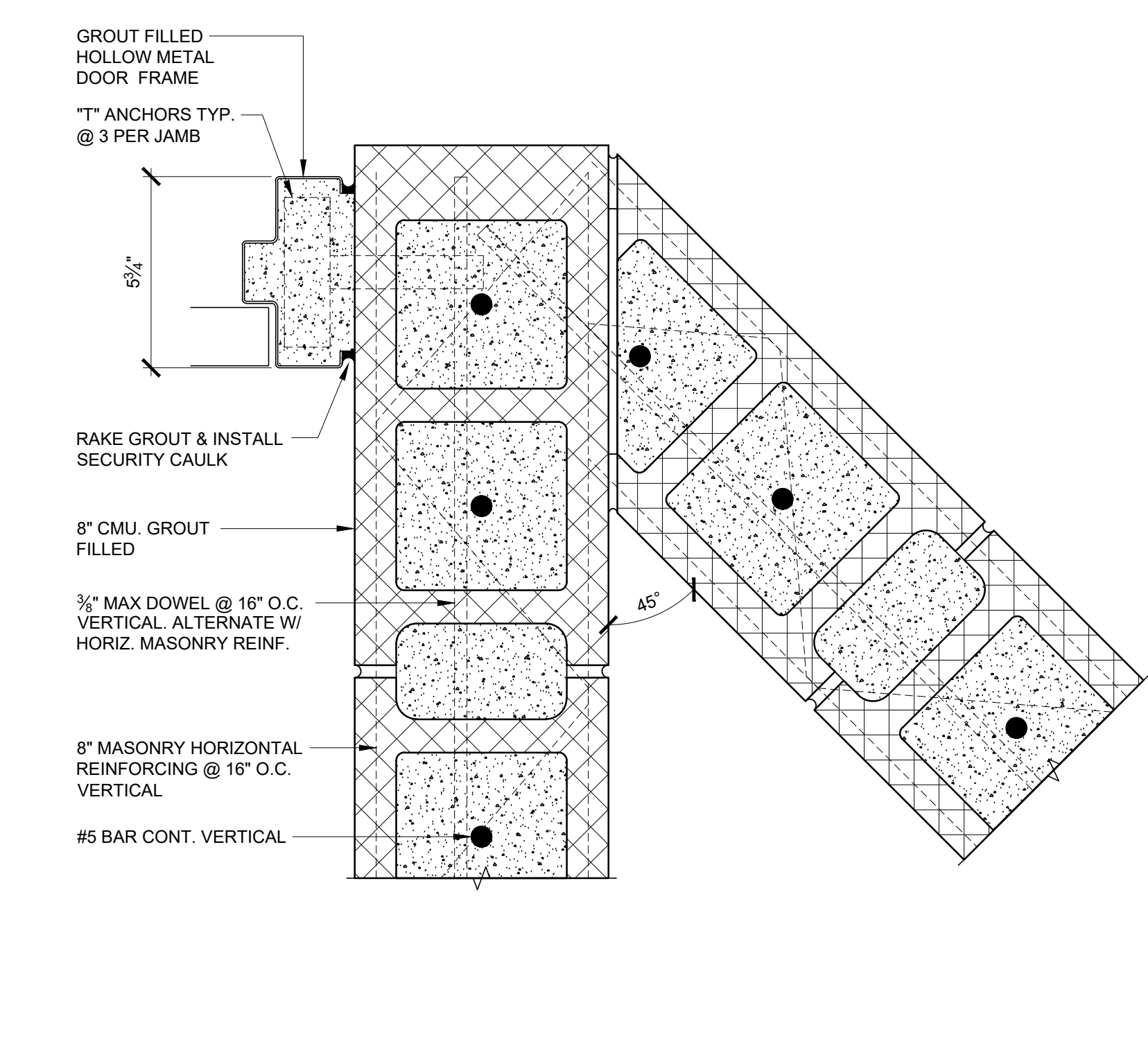
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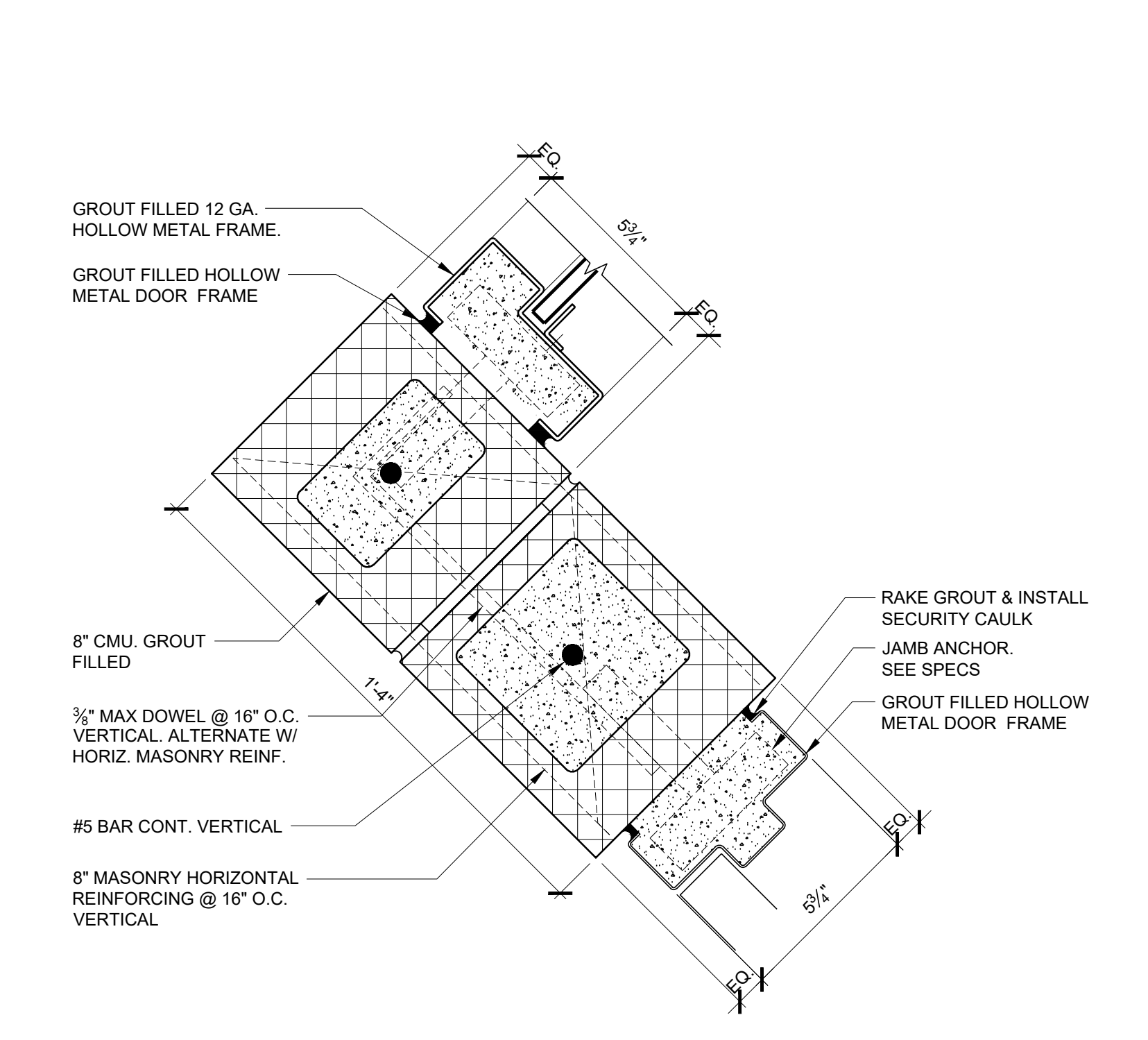
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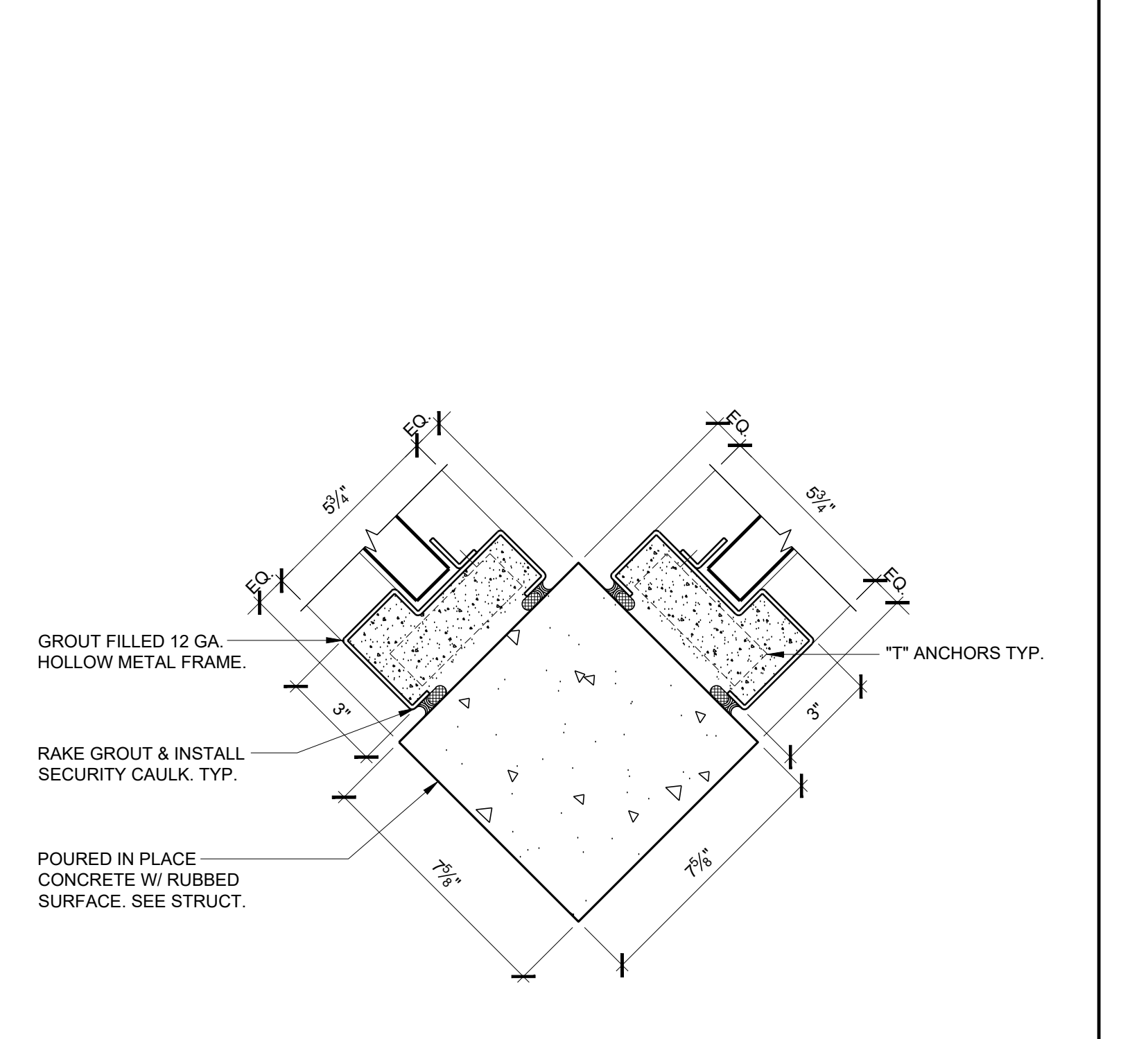
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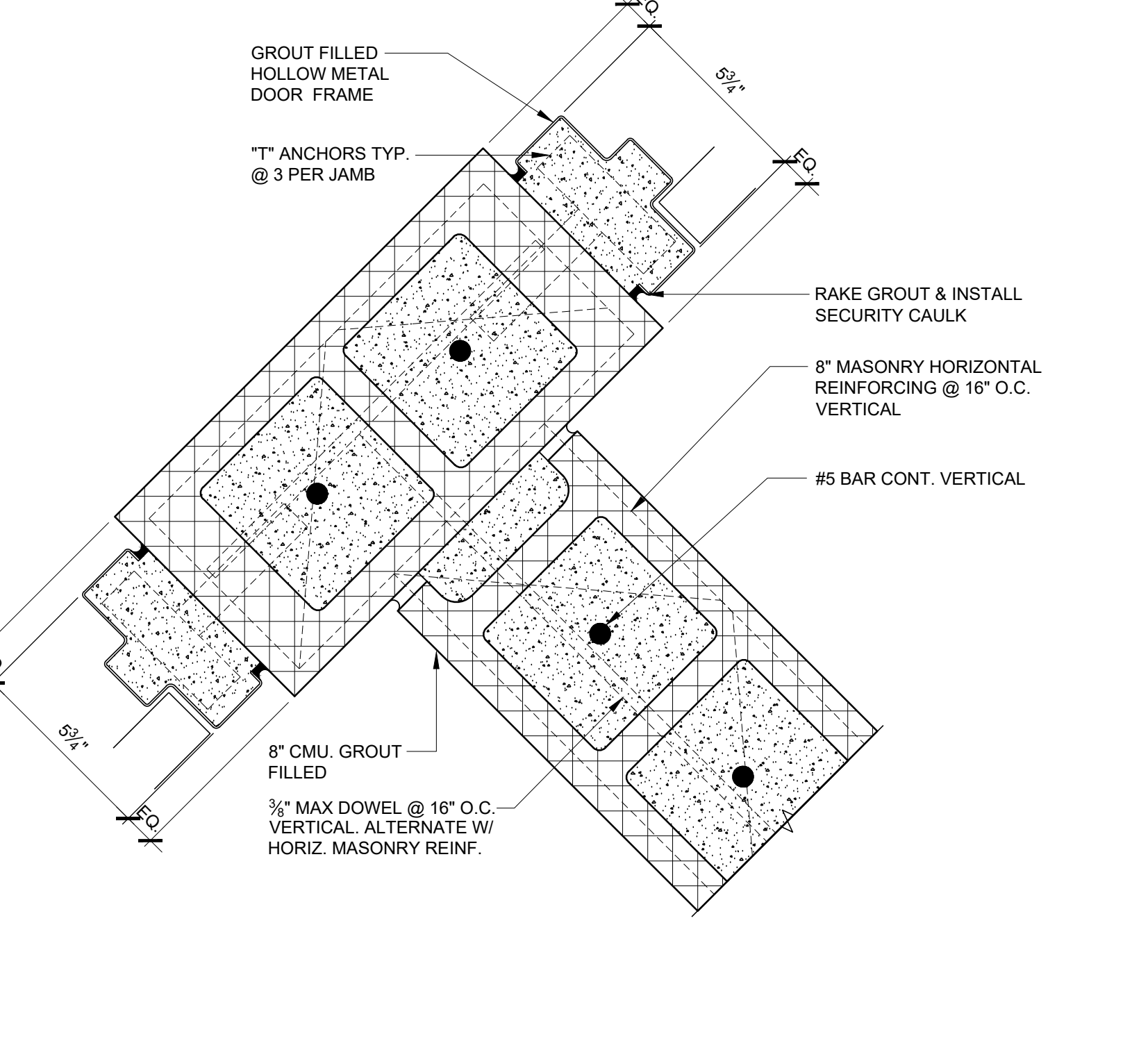
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AA
 PLAN DETAIL
 SCALE: 3"=1'-0"



BB
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 SCALE: 3"=1'-0"



CC
 PLAN DETAIL
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CONSTRUCTION DOCUMENTS

Project Number: 22-1189
 Date: 30 MAY 2024
 Revisions:

Sheet Description

PLAN DETAILS

Sheet Number

A1.4

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PRINTED: 6/4/2024 @ 11:42AM

PRINTED: 6/4/2024 @ 11:45AM

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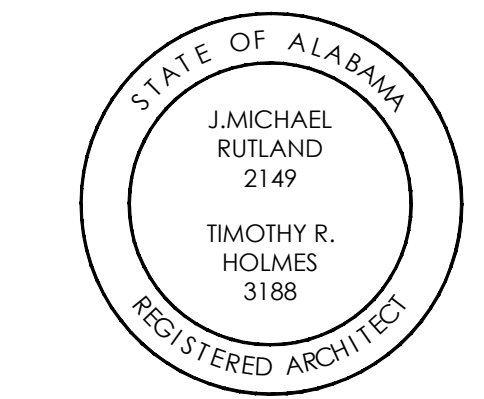
FINISH SCHEDULE									FINISH LEGEND				
ROOM NO.	ROOM NAME	FLOORS	BASE	WALLS	WAINSCOT	CEILINGS	HEIGHT	REMARKS	SYMBOL	MATERIAL	MANUFACTURER	COLOR	REMARKS
FIRST FLOOR									FLOORING				
101	VEST	LVT	RB-1	GYP-1/CMU-2	----	ACT-1	9'-0"		SC-1	HARDENED / SEALED CONCRETE (BASE BID)	ASHFORD FORMULA BY CURECREEK		1
102	TOILET	LVT	RB-1	GYP-2/CMU-1	----	ACT-1	9'-0"		CON-1	CONCRETE BROOM FINISH	----		
103	TOILET	LVT	RB-1	GYP-2/CMU-1	----	ACT-1	9'-0"		CON-2	CONCRETE NON-SLIP EPOXY SYSTEM	----		
104	LOBBY	LVT	RB-1	GYP-1/CMU-2	----	ACT-1	9'-0"		CON-3	DIAMOND GROUND POLISHED CONCRETE	----		
105	CONTACT VISITATION	SC-1	CMU-2	CMU-2	----	CON-2/ACT-2	10'-0"	1	LVT	LINEAR VINYL TILE	----		
106	VIDEO VISITATION	LVT	RB-1	GYP-1/CMU-2	----	ACT-1	9'-0"		MAN	MANUFACTURERS FINISH	----		
107	RECORDS	LVT	RB-1	GYP-1/CMU-2	----	ACT-1	9'-0"						
108	ADMIN	LVT	RB-1	GYP-1/CMU-2	----	ACT-1	9'-0"						
109	CHIEF JAILER	LVT	RB-1	GYP-1/CMU-2	----	ACT-1	9'-0"						
110	ELECT.	SC-1	----	CMU-3	----	GWB-2	10'-6 3/4"	1					
111	SECURE VEST.	SC-1	CMU-2	CMU-2	----	GWB-1	10'-6 3/4"	1	CMU-1	8" EPOXY PAINTED CMU	SHERWIN WILLIAMS		
112	TOILET	CON-2	CON-2	CMU-1	----	GWB-1	10'-6 3/4"		CMU-2	8" PAINTED CMU (ACCENT COLOR)	SHERWIN WILLIAMS		
113	JAN.	CON-2	CON-2	CMU-1	----	GWB-1	10'-6 3/4"		CMU-3	UNFINISHED CMU	SHERWIN WILLIAMS		
114	KITCHEN	CON-2	CON-2	CMU-1	SS-1	GWB-1	10'-6 3/4"		CON-1	8" PAINTED CONCRETE	SHERWIN WILLIAMS		
115	SCULLERY	CON-2	CON-2	CMU-1	SS-1	GWB-1	10'-6 3/4"		CON-2	8" COVE EPOXY BASE (EPOXY SYSTEM)	----		
116	PREP	CON-2	CON-2	CMU-1	SS-1	GWB-1	10'-6 3/4"		CON-3	8" EPOXY PAINTED CONCRETE (ACCENT COLOR)	SHERWIN WILLIAMS		
117	DRY STOR	CON-2	CON-2	CMU-1	----	GWB-1	10'-6 3/4"		GLAZ-1	8" FACTORY GLAZED CMU COVE BASE	SPECTRA GLAZE		
118	COOLER	MAN	MAN	MAN	----	MAN			MAN	MANUFACTURERS FINISH	----		
119	FREEZER	MAN	MAN	MAN	----	MAN			RB-1	4" RESILIENT BASE	----		
120	CORR.	SC-1	CMU-2	CMU-2	----	CON-2/ACT-2	10'-0"	1					
121	OUTDOOR EXERCISE	CON-1	----	CON-4/CMU-3	----	STL	10'-4"						
122	TOILET	SC-1	CMU-1	CMU-1	----	CON-1	10'-0"						
123	SHOWER	CON-2	GLAZ-1	CMU-1	GLAZ-2	CON-1	10'-0"						
124	MULTI-PURPOSE	SC-1	CMU-2	CMU-2	----	CON-2/ACT-2	10'-0"						
125	SEGREGATION	SC-1	CMU-2/CON-3	CMU-2/CON-2	----	CON-2/ACT-2	10'-0"	3					
126	CELL	MAN	MAN	MAN	----	MAN	8'-6 5/8"		CMU-1	CMU EPOXY PAINTED	SHERWIN WILLIAMS		
127	CELL	MAN	MAN	MAN	----	MAN	8'-6 5/8"		CMU-2	CMU PAINTED	SHERWIN WILLIAMS		
128	CELL	MAN	MAN	MAN	----	MAN	8'-6 5/8"		CMU-3	CMU UNFINISHED	----		
129	SHOWER	CON-2	GLAZ-1	CMU-1	GLAZ-2	CON-1	10'-0"		CMU-4	SMOOTH FACE CMU W/ ELASTOMERIC COATING	SHERWIN WILLIAMS		
130	TOILET	SC-1	CMU-1/CON-3	CON-2/CMU-1	EP-1	CON-1	10'-0"	2	CON-1	CONCRETE PAINTED	SHERWIN WILLIAMS		
131	SHOWER	CON-2	GLAZ-1	CMU-1	GLAZ-2	CON-1	10'-0"		CON-2	CONCRETE PAINTED EPOXY	SHERWIN WILLIAMS		
132	TOILET	SC-1	CMU-1/CON-3	CON-2/CMU-1	EP-1	CON-1	10'-0"	2	CON-3	CONCRETE W/ ELASTOMERIC COATING	SHERWIN WILLIAMS		
133	DORM	MAN	MAN	MAN	----	MAN	8'-6 5/8"		CON-4	UNFINISHED CONCRETE	----		
134	MINIMUM SECURITY	SC-1	CMU-2/CON-3	CMU-2/CON-2	----	CON-2/ACT-2	10'-0"	1, 3	SCMU	SPLITFACE CMU W/ ELASTOMERIC COATING	SHERWIN WILLIAMS		
135	OUTDOOR EXERCISE	CON-1	----	CMU-3/CON-4	----	STL	10'-4"		GLAZ-1	FACTORY GLAZED CMU	SPECTRA GLAZE		
136	CELL	MAN	MAN	MAN	----	MAN	8'-6 5/8"		PAD	PADDED WALL SYSTEM	PADDED SURFACES BY B & E		
137	CELL	MAN	MAN	MAN	----	MAN	8'-6 5/8"		GYP-1	GYP SUM WALL BOARD PAINTED	SHERWIN WILLIAMS		
138	CELL	MAN	MAN	MAN	----	MAN	8'-6 5/8"		GYP-2	GYP SUM WALL BOARD EPOXY PAINTED	SHERWIN WILLIAMS		
139	MEDIUM SECURITY	SC-1	CMU-2/CON-3	CMU-2/CON-2	----	CON-2/ACT-2	10'-0"	1, 3					
140	TOILET	SC-1	CMU-1/CON-3	CON-2/CMU-1	EP-1	CON-1	10'-0"	1, 2					
141	SHOWER	CON-2	GLAZ-1	CMU-1	GLAZ-2	CON-1	10'-0"						
142	SHOWER	CON-2	GLAZ-1	CMU-1	GLAZ-2	CON-1	10'-0"						
143	TOILET	SC-1	CMU-1/CON-3	CON-2/CMU-1	EP-1	CON-1	10'-0"	1, 2					
144	CELL	MAN	MAN	MAN	----	MAN	8'-6 5/8"		PT-1	PORCELAIN WALL TILE @ 4'-0"	DALTILE		2
145	CELL	MAN	MAN	MAN	----	MAN	8'-6 5/8"		GLAZ-1	FACTORY GLAZED CMU @ 4'-0"	SPECTRA GLAZE		2
146	CELL	MAN	MAN	MAN	----	MAN	8'-6 5/8"		GLAZ-2	FACTORY GLAZED CMU @ 7'-4"	SPECTRA GLAZE		4
147	MEDIUM SECURITY	SC-1	CMU-2/CON-3	CMU-2/CON-2	----	CON-2/ACT-2	10'-0"	1, 3	SS-1	STAINLESS STEEL	----		
148	MINIMUM SECURITY	SC-1	CMU-2/CON-3	CMU-2/CON-2	----	CON-2/ACT-2	10'-0"	1, 3	EP-1	EPOXY PAINTED CMU @ 4'-0"	SHERWIN WILLIAMS		5
149	OUTDOOR EXERCISE	CON-1	----	CMU-3/CON-4	----	STL	10'-4"						
150	DORM	MAN	MAN	MAN	----	MAN	8'-6 5/8"						
151	TOILET	SC-1	CMU-1/CON-3	CON-2/CMU-1	EP-1	CON-1	10'-0"	1, 2					
152	SHOWER	CON-2	GLAZ-1	CMU-1	GLAZ-2	CON-1	10'-0"						
153	SHOWER	CON-2	GLAZ-1	CMU-1	GLAZ-2	CON-1	10'-0"						
154	TOILET	SC-1	CMU-1/CON-3	CON-2/CMU-1	EP-1	CON-1	10'-0"	1, 2					
155	INMATE WORKERS	SC-1	CMU-2/CON-3	CMU-2/CON-2	----	CON-2/ACT-2	10'-0"	1	GWB-2	(1) LAYER OF 3/2" ULTRA CODE GYP. BD. PAINTED @ BOTTOM OF TRUSS	SHERWIN WILLIAMS		
156	CENTRAL CONTROL	SC-1	CMU-2	CMU-2	----	ACT-1	9'-0"	1	CON-1	CONCRETE PAINTED EPOXY	SHERWIN WILLIAMS		
157	CELL	MAN	MAN	MAN	----	MAN	8'-6 5/8"		CON-2	ACOUSTICAL SPRAY FINISH ON CONCRETE	GEORGIA PACIFIC		
158	CELL	MAN	MAN	MAN	----	MAN	8'-6 5/8"		CON-3	CONCRETE PAINTED	SHERWIN WILLIAMS		
159	CELL	MAN	MAN	MAN	----	MAN	8'-6 5/8"		STL	STEEL MESH PAINTED W/ TENNIS COURT SCREEN	SHERWIN WILLIAMS		
160	SEARCH	SC-1	CMU-1/CON-3	CMU-1	----	CON-1	10'-0"	1	MAN	MANUFACTURER FINISH	----		
161	ISSUE	SC-1	CMU-2/CON-1	CMU-2/CON-1	----	CON-3	10'-0"	1	MTL	METAL SOFFIT PANEL	----		
162	LAUNDRY	SC-1	CMU-1	CMU-1	----	CON-1	10'-0"	1					
163	CORRIDOR	SC-1	CMU-2	CMU-2	----	CON-2/ACT-2	10'-0"	1					
164	CORRIDOR	SC-1	CMU-2	CMU-2	----	CON-2/ACT-2	10'-0"	1					
165	BOOKING DESK	SC-1	CMU-2	CMU-2	----	ACT-1	9'-0"	1					
166	STAFF TOILET	SC-1	CMU-1	CMU-1	----	ACT-1	9'-0"	1					
167	JAN.	SC-1	CMU-1	CMU-1	----	CON-1	10'-0"	1					
168	PROPERTY	SC-1	CMU-2	CMU-2	----	CON-3	10'-0"	1					
169	MEDICAL	SC-1	CMU-2	CMU-2	----	CON-3	10'-0"	1					
170	BOOKING	SC-1	CMU-2/CON-1	CMU-2/CON-1	----	CON-2/ACT-2	10'-0"	1, 3					
171	HOLDING	MAN	MAN	MAN/ PAD	----	MAN	8'-6 5/8"						
172	HOLDING	MAN	MAN	MAN	----	MAN	8'-6 5/8"						
173	HOLDING	MAN	MAN	MAN	----	MAN	8'-6 5/8"						
174	DETOX	MAN	MAN	MAN	----	MAN	8'-6 5/8"						
175	ID	SC-1	CMU-2/CON-1	CMU-2/CON-1	----	CON-2/ACT-2	10'-0"	1, 3					
176	PROCESSING SCANS	SC-1	CMU-2	CMU-2	----	CON-2/ACT-2	10'-0"	1					
177	SECURE VEST.	SC-1	CMU-2/CON-1	CMU-2/CON-1	----	CON-2/ACT-2	10'-0"	1					
178	SALLYPORT	CON-1	CMU-3	CMU-3	----	MTL	10'-5 1/2"						
179	SECURE VEST.	SC-1	CMU-2/CON-1	CMU-2/ CON-1	----	CON-2/ACT-2	10'-0"	1					
180	FEMALE JUVENILE	SC-1	CMU-2/CON-2	CMU-2/CON-2	----	CON-2/ACT-2	10'-0"	1, 3					
181	CELL	MAN	MAN	MAN	----	MAN	8'-6 5/8"						
182	OUTDOOR EXERCISE	CON-1	----	CMU-3/CMU-4	----	STL	10'-4"						
183	SHOWER	CON-2	GLAZ-1	GLAZ-1/CON-2	GLAZ-2	CON-1	10'-0"						
184	SHOWER	CON-2	GLAZ-1	GLAZ-1/CON-2	GLAZ-2	CON-1	10'-0"						
185	CELL	MAN	MAN	MAN	----	MAN	8'-6 5/8"						
186	MALE JUVENILE	SC-1	CMU-2/CON-2	CMU-2/CON-2	----	CON-2/ACT-2	10'-0"	1, 3					
187	DORM	MAN	MAN	MAN	----	MAN	8'-6 5/8"						
188	SHOWER	CON-2	GLAZ-1	CMU-1/CON-2	GLAZ-2	CON-1	10'-0"						
189	TOILET	SC-1	CMU-1/CON-1	CMU-1/CON-3	EP-1	CON-1	10'-0"	1					
190	OUTDOOR EXERCISE	CON-1	----	CON-4/CMU-3	----	STL	10'-4"						
191	CELL	MAN	MAN	MAN	----	MAN	8'-6 5/8"						
192	CELL	MAN	MAN	MAN	----	MAN	8'-6 5/8"						
193	MECHANICAL	SC-1	----	CMU-3	----	GWB-2	10'-6 3/4"	1					
194	SHOWER	SC-1	GLAZ-1	CMU-1/CON-2	GLAZ-2	CON-1	10'-0"	1					
195	SEARCH	SC-1	CMU-1/CON-2	CMU-1	----	CON-1	10'-0"	1					
SECOND FLOOR													
201	SECURITY ELECTRONICS	SC-1	RB-1	GYP-1	----	EXP							

REMARKS	
1	THIS AREA TO RECEIVE DIAMOND GROUND CONCRETE FLOOR FINISH UNDER ALTERNATE
2	SUBSTITUTE 8" CMU FACTORY GLAZED WAINSCOT (4'-0" HIGH) AND FACTORY GLAZED COVE BASE AT FIXTURE WALL ONLY UNDER ALTERNATE
3	FIELD PAINT MODULE FACE
4	REFER TO FOOD SERVICE DRAWINGS FOR COORDINATION
5	FURNISH AND INSTALL NEW STAINLESS STEEL FROM 3'-0" A.F.F. TO BOTTOM OF HOOD

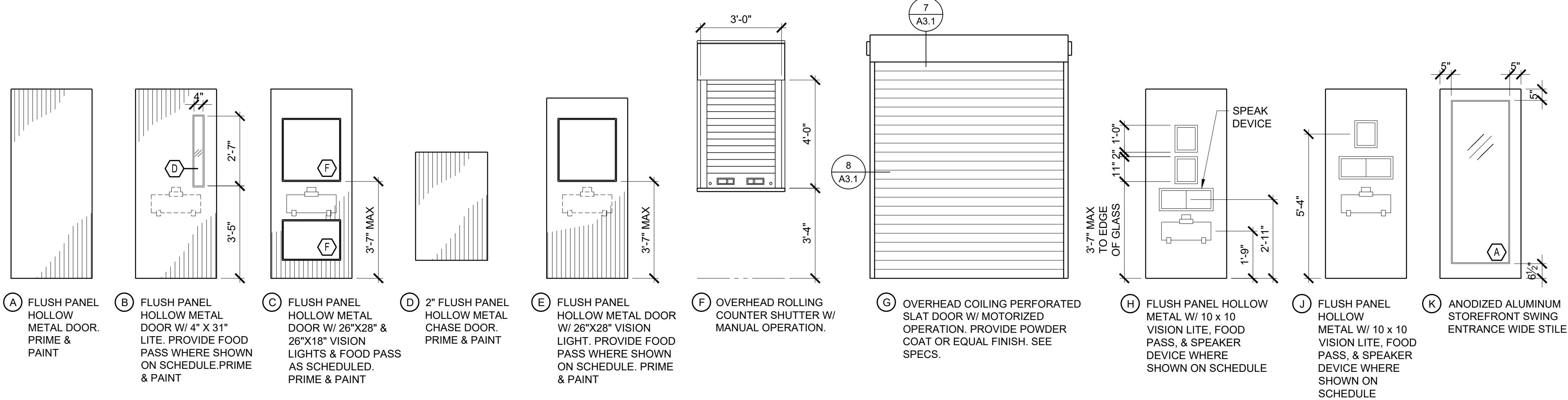
JMR+H Architecture, P.C

445 Dexter Avenue
Suite 5050
Montgomery, AL 36104

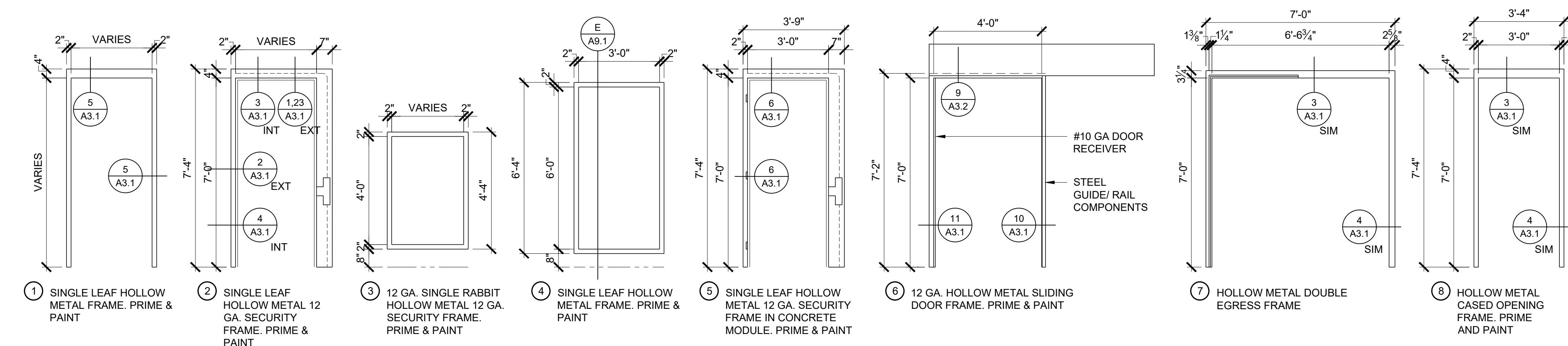
Phone: (334) 420-5672
Fax: (334) 420-5692



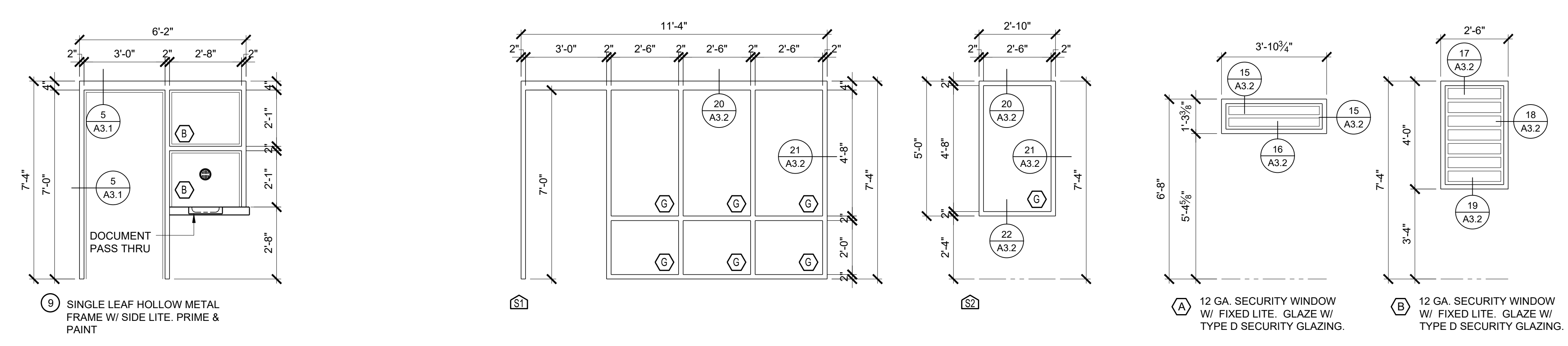
CHOCTAW COUNTY J



DOOR TYPES
SCALE: 3/8"=1'-0"



FRAME TYPES
SCALE: 3/8"=1'-0"

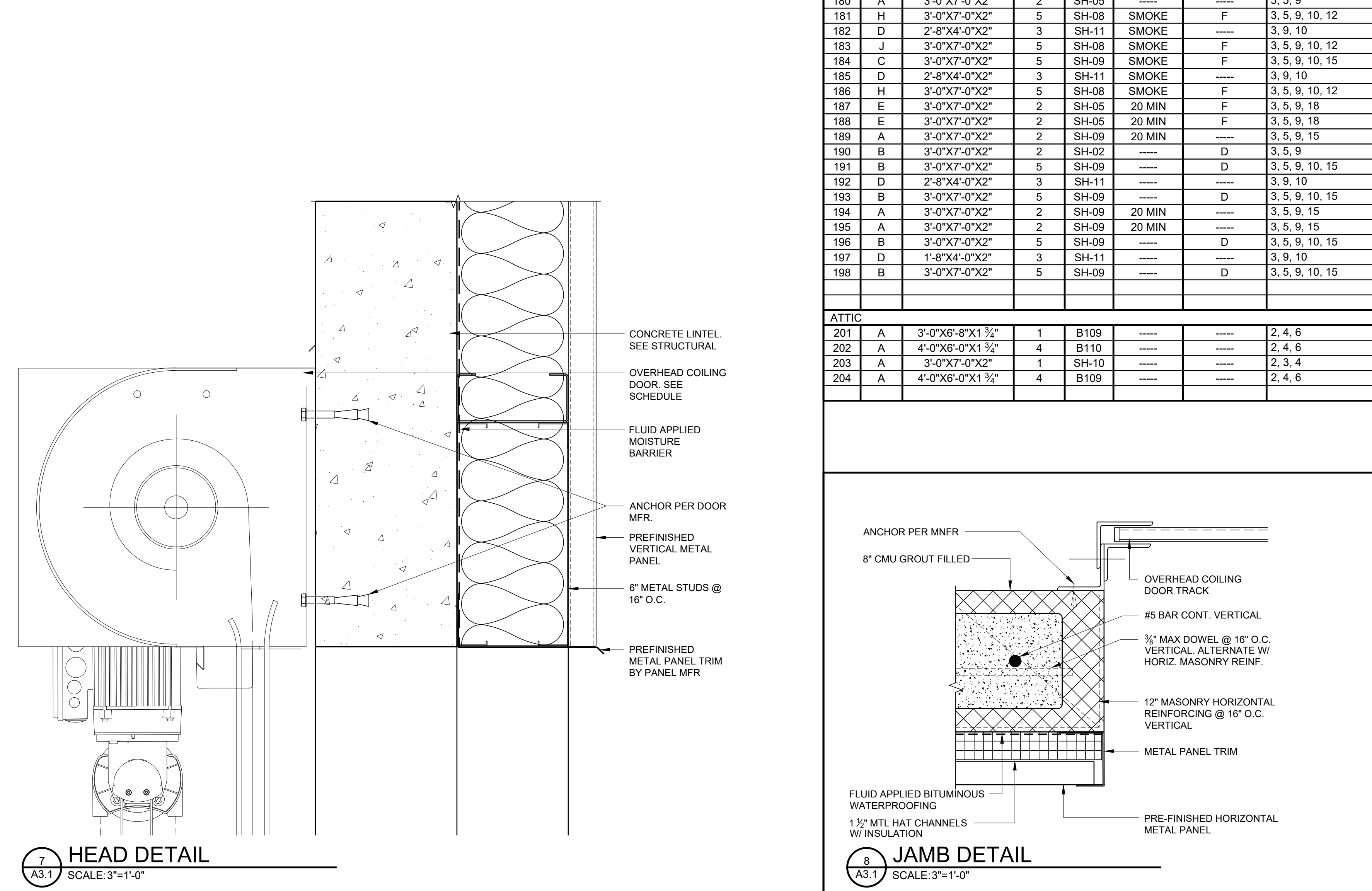
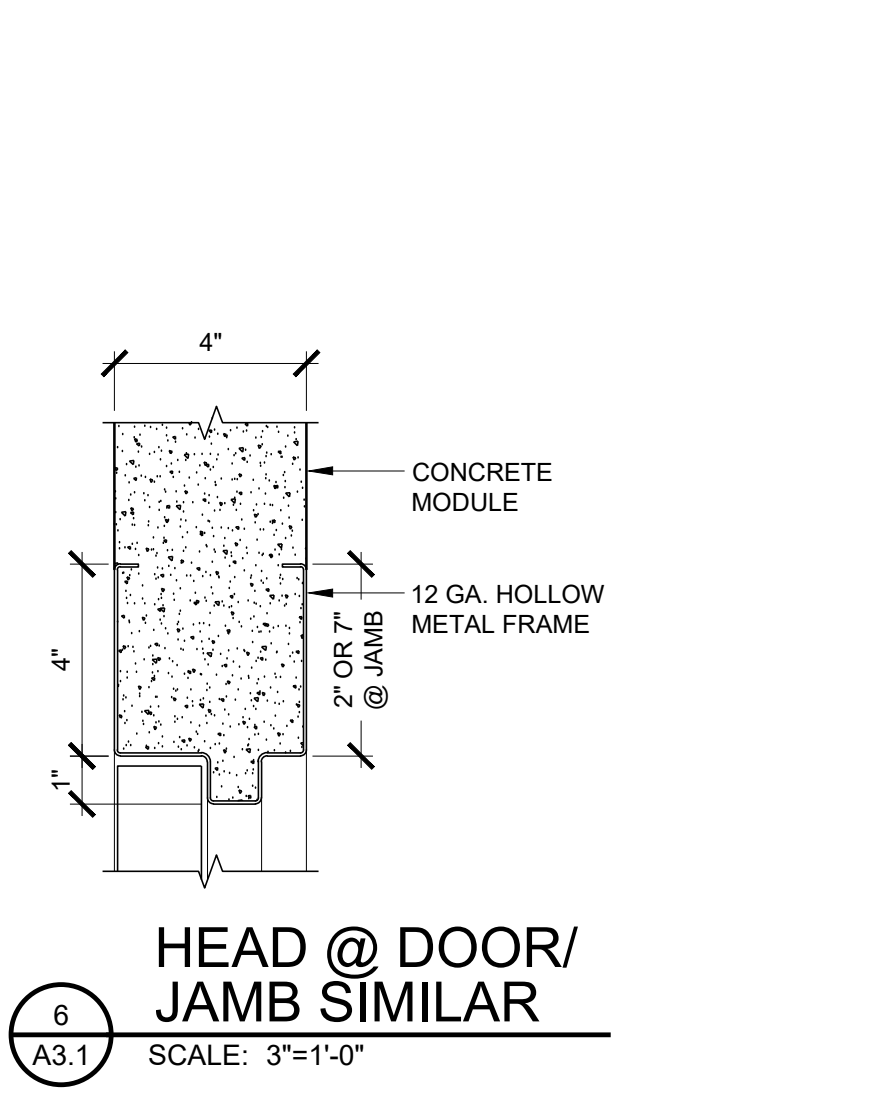
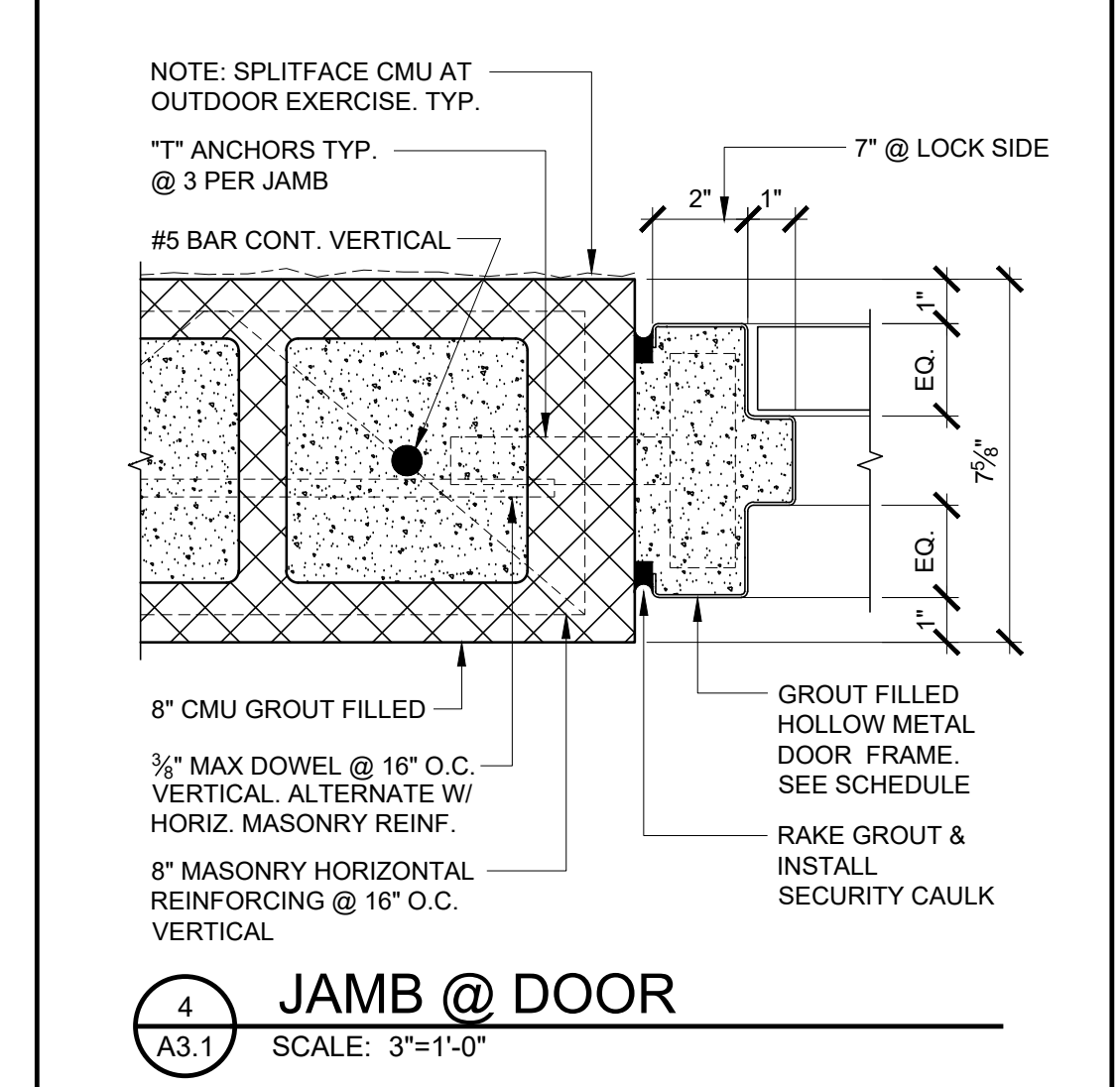
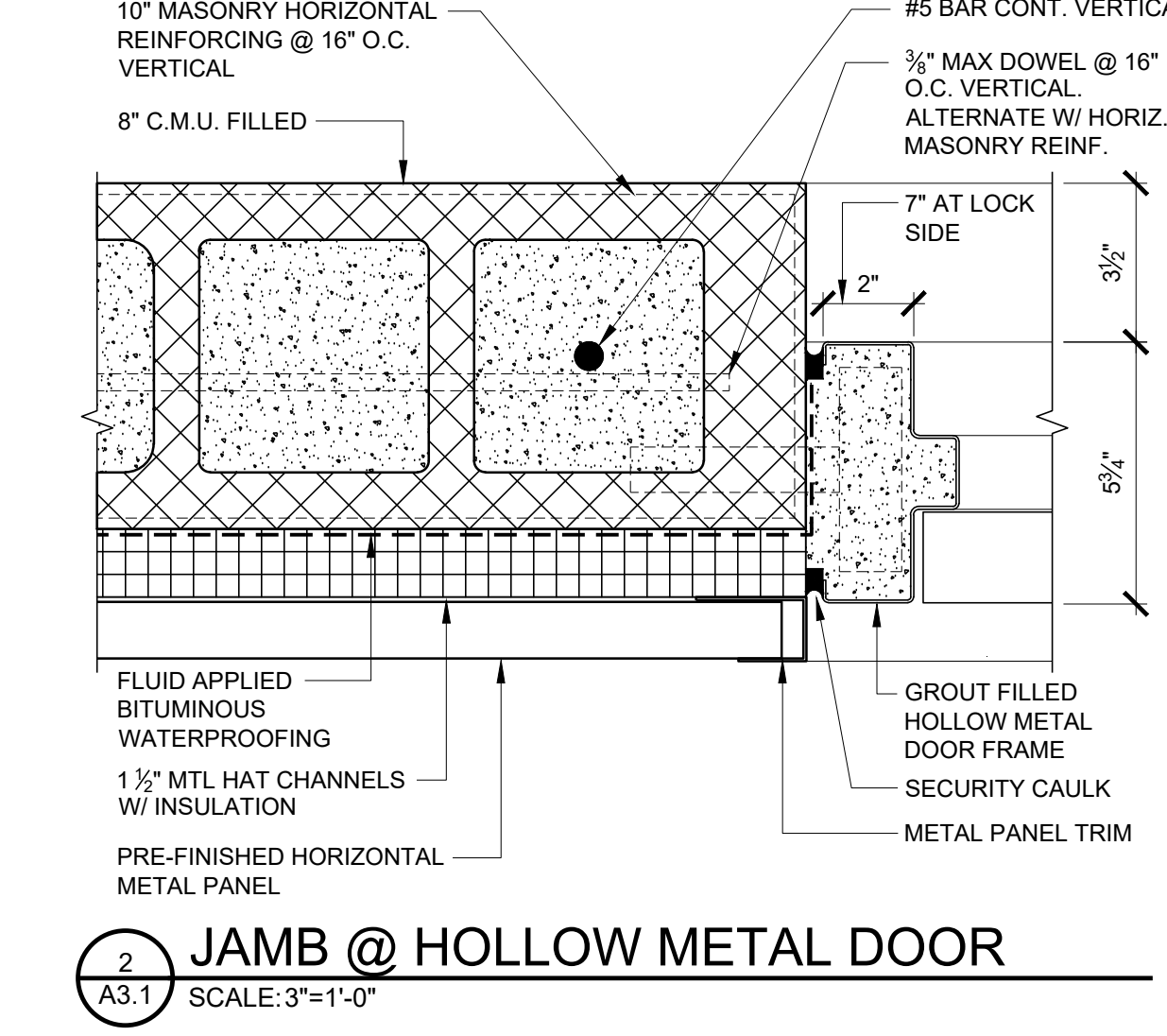
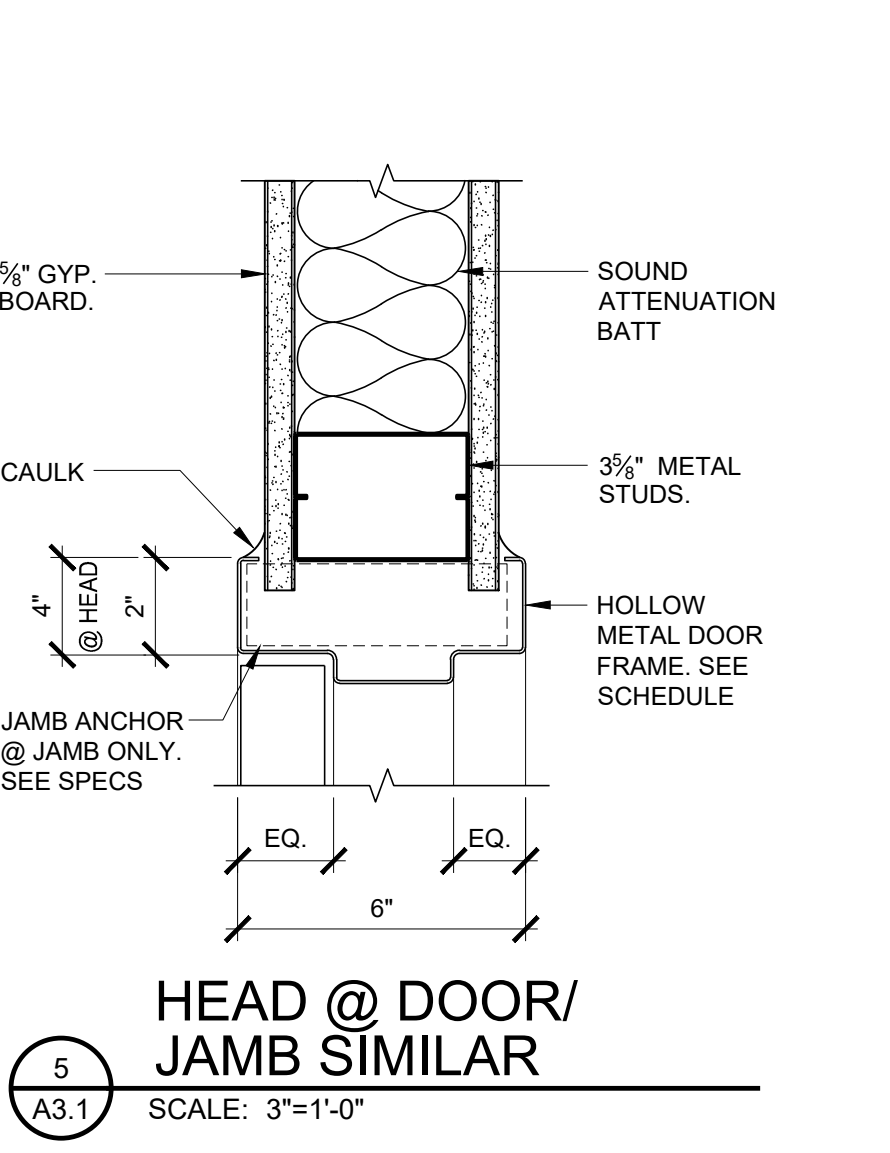
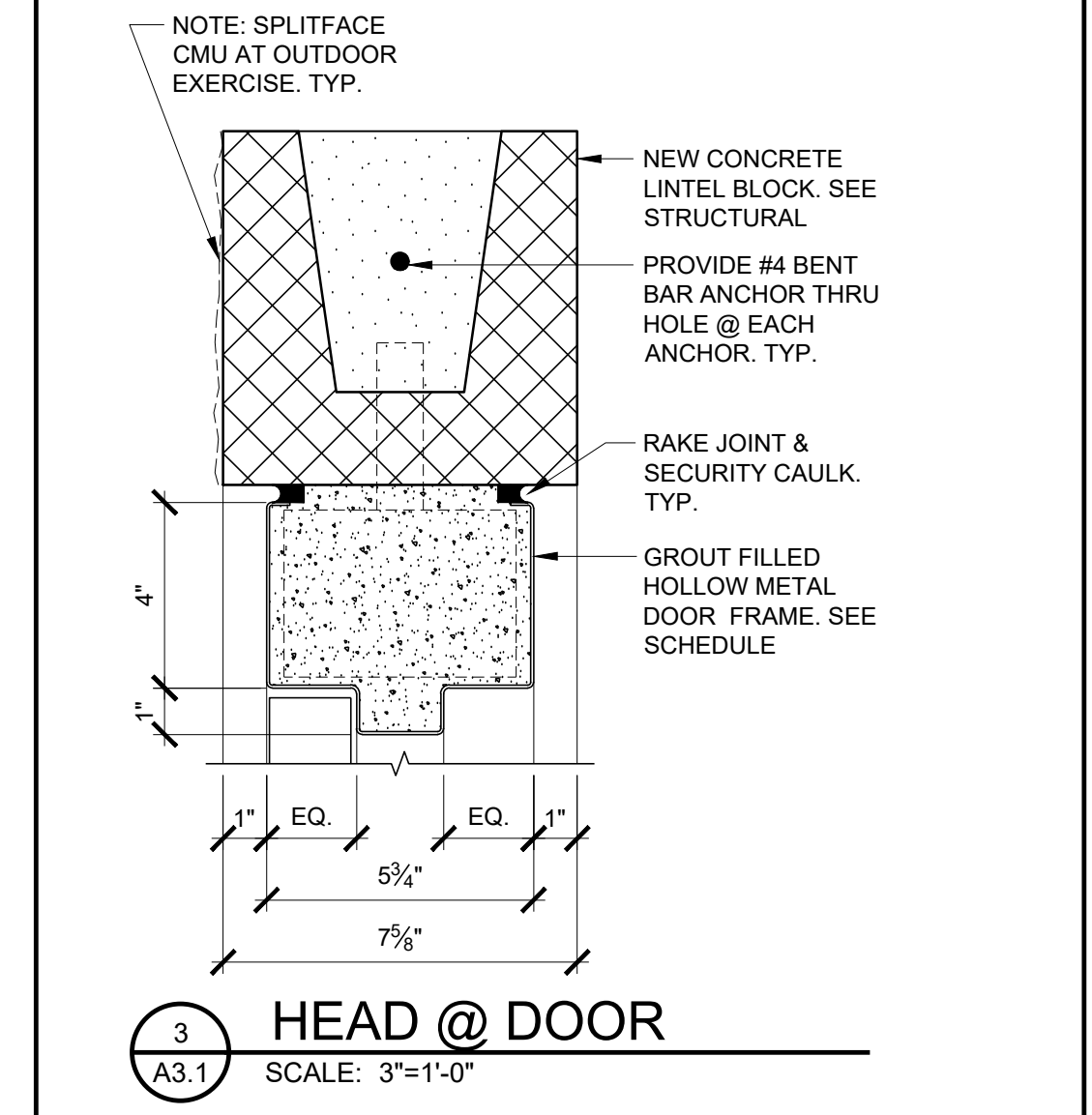
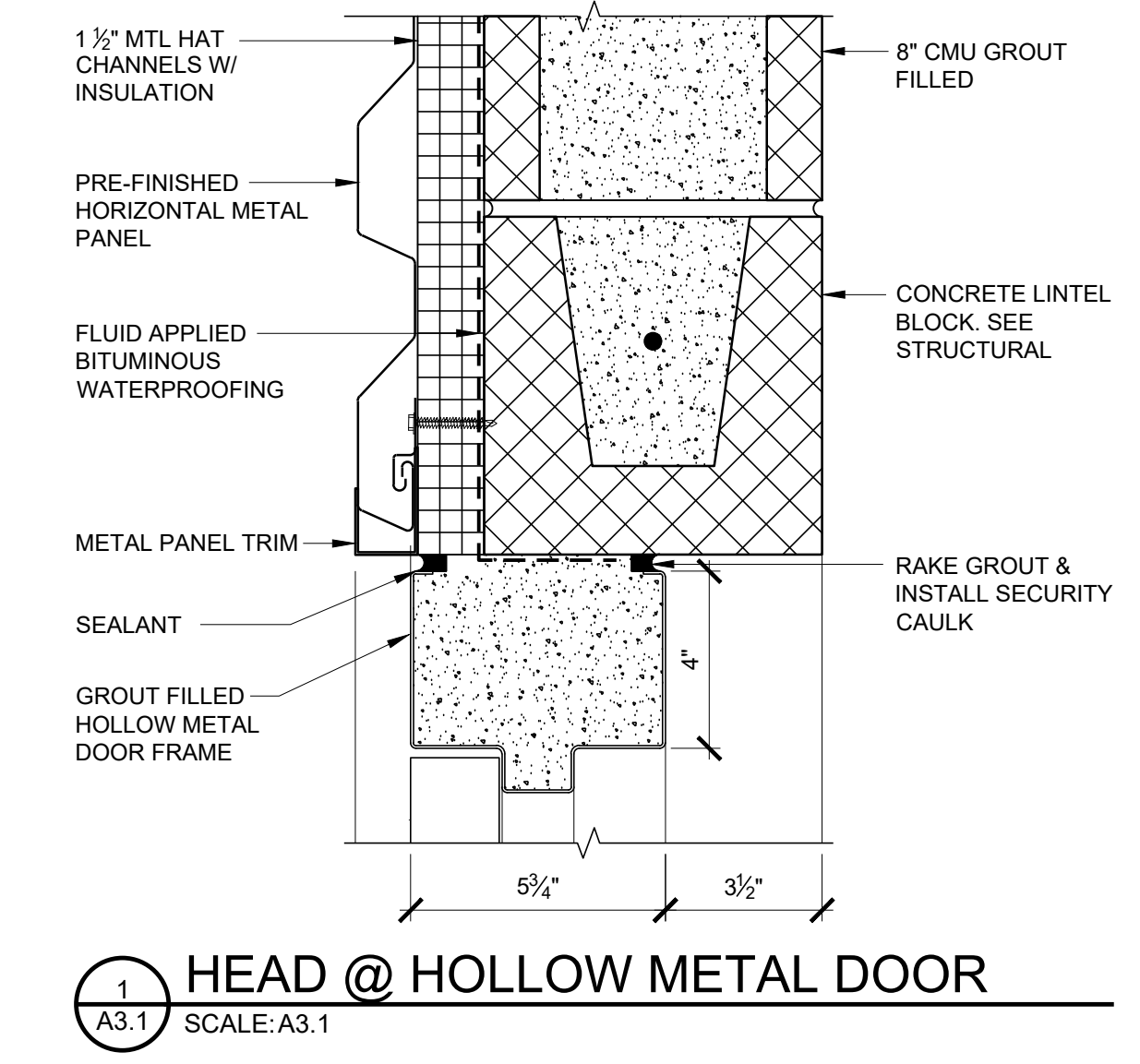


FRAME TYPES
SCALE: 3/8"=1'-0"

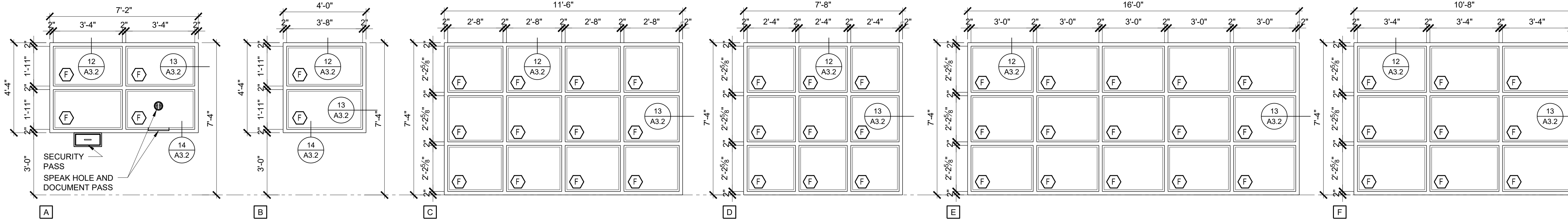
STOREFRONT SCHEDULE
SCALE: 3/8"=1'-0"

SECURITY WINDOW TYPES
SCALE: 3/8"=1'-0"

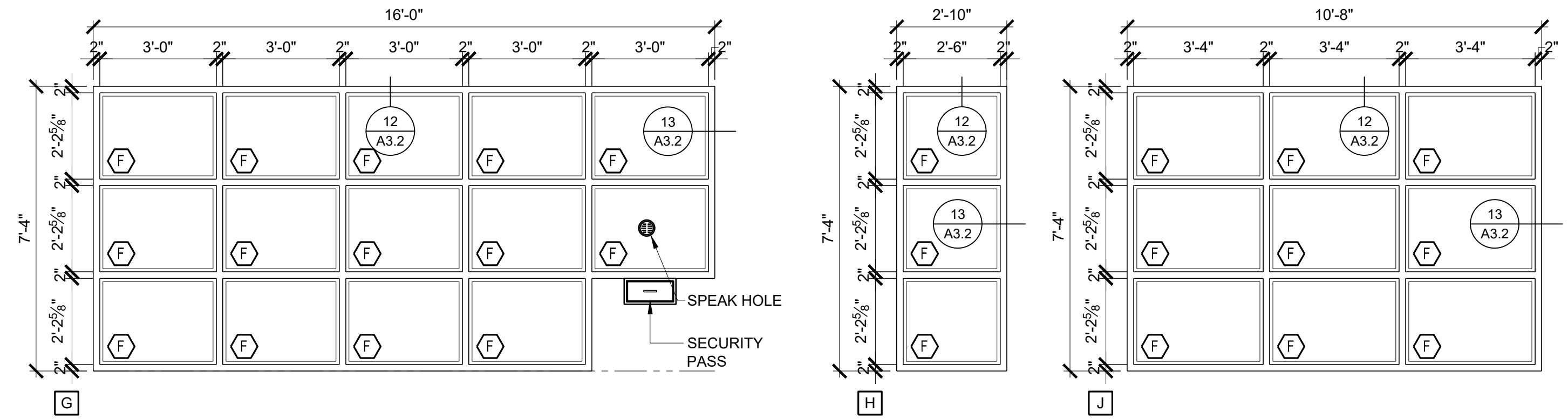
REMARKS		DOOR SCHEDULE					
NO.	TYPE	SIZE	FRAME TYPE	HDW SET	F. RATING/LABEL	GLASS TYPE	REMARKS
ALL SECURITY DOORS, GLASS & FRAMES IN CONCRETE MODULES WILL BE FURNISHED & INSTALLED BY THE MODULE MANUFACTURER AT THE PLANT. ALL HARDWARE TO INCLUDE CONCEALED CLOSERS & DOOR POSITION SWITCHES, LOCKING DEVICES, ETC. AS SCHEDULED IN SECURITY HARDWARE SCHEDULE WILL BE FURNISHED & INSTALLED BY THE DEC CONTRACTOR AS SPECIFIED IN THIS CONTRACT. ALL ELECTRONIC SECURITY TERMINATIONS AT THE MODULES ARE TO BE MADE BY DIVISION 17 UNDER THIS CONTRACT.							
STOREFRONT DOOR AND FRAMING SHALL HAVE MAGNETIC GENERAL HARDWARE LOCKING AND ELECTRIC STRIKE AS SCHEDULED. (THIS DOOR CONTROL INTERFACED TO ESC. CONTROL PANELS @ CENTRAL CONTROL, 156 & ADMIN 108) GENERAL CONTRACTOR, STOREFRONT, ELECTRICAL, ELECTRONIC SECURITY & BUILDERS HARDWARE. SUB-CONTRACTORS SHALL COORDINATE FULLY FOR A COMPLETE OPERATING SYSTEM. EACH ENTITY ABOVE WILL PROVIDE INPUT INTO A COORDINATED SUBMITTAL INDICATING WIRING DIAGRAMS, INSTALLATION, OPERATING SEQUENCE AND ALL CONTROL AND POWER INTERFACE. A PRE-WORK CONFERENCE INVOLVING ALL OF THE ABOVE GROUPS WILL BE CONDUCTED PRIOR TO INSTALLATION OF ANY PART OF THE SYSTEM.							
THIS DOOR HAS A MANUAL LOCKING OPERATION WITH DOOR POSITION SWITCH WHERE SHOWN ON SCHEDULE & ELECTRONIC SECURITY DRAWINGS.							
12 GAUGE DOOR FRAME AND DOOR WITH 12 GAUGE FACEPLATES.							
ALL HOLLOW METAL DOOR & FRAME PARTS THIS OPENING SHALL BE "PAINT GRIP" GALVANIZED, PRIMED AND PAINTED. SEE SPECS.							
THIS DOOR HAS ELECTRONIC LOCKING OPERATION WITH DOOR POSITION SWITCH INTERLOCK WITH ADJACENT DOORS AS SHOWN ON ELECTRONIC SECURITY DRAWINGS. ALL EXTERIOR ELECTRONIC LOCKING HARDWARE AND CONTROLS SHALL BE UL LABELED WATERPROOF.							
THIS DOOR AND FRAME IS GENERAL CONSTRUCTION WITH BUILDERS HARDWARE. THE DOOR & FRAME IS 16 GAUGE.							
THIS DOOR AND FRAME IS GENERAL CONSTRUCTION WITH BUILDERS HARDWARE. THE FRAME IS 18 GAUGE AND THE DOOR IS 18 GAUGE.							
THIS DOOR FRAME IS A GENERAL CONSTRUCTION DOOR WITH BUILDERS HARDWARE WITH ELECTRIC STRIKE GENERAL HARDWARE LOCKING IN COMPLETE SYSTEM AS SCHEDULED. GENERAL CONTRACTOR, ELECTRICAL, & BUILDERS HARDWARE SUB-CONTRACTORS SHALL COORDINATE FULLY FOR A COMPLETE OPERATING SYSTEM. EACH ENTITY ABOVE WILL PROVIDE INPUT INTO A COORDINATED SUBMITTAL INDICATING WIRING DIAGRAMS, INSTALLATION, OPERATING SEQUENCE AND ALL CONTROL AND POWER INTERFACE. A PRE-WORK CONFERENCE INVOLVING ALL OF THE ABOVE GROUPS WILL BE CONDUCTED PRIOR TO INSTALLATION OF ANY PART OF THE SYSTEM. (THIS DOOR CONTROL INTERFACED TO ESC. CONTROL PANELS @ ADMIN 108)							
PRIME AND PAINT DOOR AND FRAME							
THIS DOOR, FRAME, CLOSURES, BUTTS, GLASS, ELECTRONICS & HARDWARE ROUGH IN AND INSTALLATION SHALL BE FURNISHED BY THE DETENTION MODULE MANUFACTURER. DOOR LOCKSET TO BE FURNISHED BY DIV. 11							
THIS DOOR IS A MOTORIZED OVERHEAD ROLLING DOOR W/ PERFORATED SLATS. SEE SPECS. IT SHALL BE INTERFACED WITH ELECTRONIC SYSTEM GRAPHIC PANELS OPERATION AND IT SHALL HAVE LOCAL KEYPAD AND CHAIN OPERATION AT DOOR. PROVIDE 9'-3" MINIMUM CURTAIN HEIGHT. COORDINATE WITH SALLYPORT GRADE.							
THIS DOOR HAS SECURITY FOOD PASS & SPEAKER DEVICE.							
THIS DOOR HAS SECURITY SLIDER OPERATION							
THIS DOOR AND FRAME SHALL BE RATED FOR BOTH SMOKE AND FIRE. PROVIDE MAGNETIC HOLD OPEN DEVICES / INTERFACE W/ FIRE ALARM.							
THIS DOOR TO RECEIVE A SECURITY FOOD PASS							
THIS DOOR AND/OR FULL FRAME OPENING W/ SIDE LITES TO RECEIVE A FIRE PROTECTION SPRINKLER WASH @ EACH SIDE OF OPENING							
THIS DOOR HAS ELECTRONIC LOCKING OPERATION WITH DOOR POSITION SWITCH INTERLOCK WITH ADJACENT DOORS AS SHOWN ON ELECTRONIC SECURITY DRAWINGS. (THIS DOOR CONTROL INTERFACED TO ESC. CONTROL PANELS @ CENTRAL CONTROL 156 & ADMIN 108)							
THIS DOOR / FRAME OPENING IS FIRE RATED AND SHALL HAVE A SPRINKLER WASH AS SHOWN ON LIFESAFETY PLAN SHEET L5-1							
GLAZING LEGEND							
(A)	1/4" CLEAR GLASS/ TEMPERED						
(B)	3/8" LAMINATED FIRE RATED GLAZING (NOT USED)						
(C)	3/4" FIRE RATED AND IMPACT SAFETY GLAZING (NOT USED)						
(D)	1/2" MONOLITHIC POLYCARBONATE SHEET						
(E)	3/8" LAMINATED POLYCARBONATE (NOT USED)						
(F)	1/2" LAMINATED POLYCARBONATE						
(G)	1" INSULATED GLAZING - 1/2" CLEAR GLASS OUTBOARD, 1/2" AIRSPACE & 1/2" CLEAR INBOARD						
101	K	3'-0"x7'-0"x1 1/2"	S1	AL-01	----	D	1
102	A	3'-0"x7'-0"x1 1/2"	1	B114	----	----	2, 4, 6
103	A	3'-0"x7'-0"x1 1/2"	1	B113	----	----	2, 4, 6
104	B	4'-0"x7'-0"x2"	2	SH-03	----	D	3, 4, 5
105	B	3'-0"x7'-0"x2"	2	SH-01	----	D	3, 4, 5
106	A	3'-0"x7'-0"x2"	2	SH-02	----	----	3, 4, 5
107	B	3'-0"x7'-0"x2"	2	SH-01	----	D	3, 4, 5
108	B	3'-0"x7'-0"x2"	2	SH-01	----	D	3, 4, 5
109	B	3'-0"x7'-0"x2"	2	SH-01	----	D	3, 4, 5
110	A	3'-0"x7'-0"x2"	2	SH-02	----	----	3, 4, 5
111	B	3'-0"x7'-0"x2"	2	SH-01	----	D	3, 4, 5
112	A	3'-0"x7'-0"x2"	2	SH-02	----	----	3, 4, 5
113	B	3'-0"x7'-0"x2"	2	SH-01	----	D	3, 4, 5
114	B	3'-0"x7'-0"x2"	2	SH-01	----	D	3, 4, 5
115	A	3'-0"x7'-0"x2"	2	SH-02	----	----	3, 4, 5
116	A	3'-0"x7'-0"x2"	2	SH-01	----	D	3, 4, 5
117	A	3'-0"x7'-0"x2"	2	SH-02	----	----	3, 4, 5
118	A	3'-0"x7'-0"x2"	2	SH-01	----	----	3, 4, 5
119	A	3'-0"x7'-0"x2"	2	SH-01	----	----	3, 4, 5
120	G	2'-0"x9'-3"	N/A	B112	----	----	11
121	B	3'-0"x7'-0"x2"	2	SH-01	----	D	3, 4, 5
122	B	3'-0"x7'-0"x1 1/2"	1	B111	----	----	7, 9, 17
123	A	3'-0"x7'-0"x1 1/2"	1	B104	20 MIN	----	7, 9
124	A	3'-0"x7'-0"x1 1/2"	1	B104	20 MIN	----	7, 9
125	A	3'-0"x7'-0"x2"	2	SH-05	20 MIN	----	3, 5, 9
126	B	3'-0"x7'-0"x1 1/2"	1	B107	20 MIN	B	7, 9, 17
127	B	3'-0"x7'-0"x2"	2	SH-05	20 MIN	D	3, 5, 9, 18
128	A	3'-0"x7'-0"x2"	2	SH-05	----	----	3, 5, 9
129	B	3'-0"x7'-0"x1 1/2"	9	B111	20 MIN	B	8, 9, 18
130	N/A	3'-0"x7'-0"	8	B108	----	----	7, 9
131	A	3'-0"x7'-0"x1 1/2"	1	B106	----	----	7, 9
132	B	4'-0"x7'-0"x2"	6	SH-04	20 MIN	D	3, 5, 9, 13, 18
133	B	4'-0"x7'-0"x2"	2	SH-06	----	D	3, 5, 9
134	A	3'-0"x7'-0"x1 1/2"	1	B104	----	----	6, 9, 104
135	A	3'-0"x7'-0"x1 1/2"	1	B102	----	----	6, 9
136	A	3'-0"x7'-0"x1 1/2"	1	B115	----	----	2, 6, 9
137	D	1'-8"x4'-0"x2"	3	SH-11	----	----	3, 9, 10
138	D	1'-10"x4'-0"x2"	3	SH-11	----	----	3, 9, 10
139	H	3'-0"x7'-0"x2"	5	SH-08	----	F	3, 5, 9, 10, 12
140	J	3'-0"x7'-0"x2"	5	SH-08	----	F	3, 5, 9, 10, 12
141	D	2'-8"x4'-0"x2"	3	SH-11	----	----	3, 9, 10
142	J	3'-0"x7'-0"x2"	5	SH-08	----	F	3, 5, 9, 10, 12
143	D	1'-10"x4'-0"x2"	3	SH-11	----	----	3, 9, 10
144	B	3'-0"x7'-0"x2"	5	SH-09	----	D	3, 5, 9, 10, 15
145	B	3'-0"x7'-0"x2"	5	SH-09	----	D	3, 5, 9, 10, 15
146	D	2'-8"x4'-0"x2"	3	SH-11	----	----	3, 9, 10
147	B	3'-0"x7'-0"x2"	5	SH-09	----	D	3, 5, 9, 10, 15
148	B	3'-0"x7'-0"x2"	5	SH-09	----	D	3, 5, 9, 10, 15
149	D	2'-8"x4'-0"x2"	3	SH-11	----	----	3, 9, 10
150	B	3'-0"x7'-0"x2"	5	SH-09	----	D	3, 5, 9, 10, 15
151	B	3'-0"x7'-0"x2"	5	SH-09	----	D	3, 5, 9, 10, 15
152	D	1'-10"x4'-0"x2"	3	SH-11	----	----	3, 9, 10
153	E	3'-0"x7'-0"x2"	2	SH-07	20 MIN	F	3, 5, 9, 15, 18
154	E	3'-0"x7'-0"x2"	2	SH-07	20 MIN	F	3, 5, 9, 15, 18
155	E	3'-0"x7'-0"x2"	2	SH-07	20 MIN	F	3, 5, 9, 15, 18
156	E	3'-0"x7'-0"x2"	2	SH-07	20 MIN	F	3, 5, 9, 15, 18
157	E	3'-0"x7'-0"x2"	2	SH-07	20 MIN	F	3, 5, 9, 15, 18
158	E	3'-0"x7'-0"x2"	2	SH-07	20 MIN	F	3, 5, 9, 15, 18
159	E	3'-0"x7'-0"x2"	2	SH-05	20 MIN	F	3, 5, 9, 18
160	E	3'-0"x7'-0"x2"	2	SH-07	20 MIN	F	3, 5, 9, 15, 18
161	A	4'-0"x7'-0"x1 1/2"	1	B107	20 MIN	----	6, 9
162	E	FR. 3-3/4"x7'-0"x1 1/2"	7	B101	1 1/2 HR "B"	D	6, 9, 14, 18
163	A	2'-0"x7'-0"x1 1/2"	1	B103	----	----	6, 9
164	B	3'-0"x7'-0"x2"	2	SH-05	----	D	3, 5, 9
165	A	3'-0"x7'-0"x1 1/2"	1	B102	20 MIN	----	7, 9
166	A	3'-0"x7'-0"x1 1/2"	1	B105	20 MIN	----	7, 9
167	B	3'-0"x7'-0"x2"	2	SH-05	20 MIN	D	3, 5, 9, 18
168	E	3'-0"x7'-0"x2"	2	SH-05	----	F	3, 5, 9
169	A	3'-0"x7'-0"x1 1/2"	1	B106	----	----	6, 9
170	A	3'-0"x7'-0"x1 1/2"	1	B102	----	----	2, 6, 9
171	F	2'-8"x4'-0"	N/A	B112	20 MIN	----	6, 9
172	A	3'-0"x7'-0"x1 1/2"	1	B116	1 1/2 HR "B"	----	6, 9
173	B	3'-0"x7'-0"x2"	5	SH-09	----	D	3, 5, 9, 10, 15
174	D	2'-8"x4'-0"x2"	3	SH-11	----	----	3, 9, 10
175	B	3'-0"x7'-0"x2"	5	SH-09	----	D	3, 5, 9, 10, 15
176	B	3'-0"x7'-0"x2"	5	SH-09	----	D	3, 5, 9, 10, 15
177	D	2'-0"x4'-0"x2"	3	SH-11	----	----	3, 9, 10
178	F	2'-8"x4'-0"	N/A	B112	1 1/2 HR "B"	----	6, 9
179	N/A	3'-0"x7'-0"	8	B108	----	----	7, 9
180	A	3'-0"x7'-0"x2"	2	SH-05	----	----	3, 5, 9
181	H	3'-0"x7'-0"x2"	5	SH-08	SMOKE	F	3, 5, 9, 10, 12
182	D	2'-8"x4'-0"x2"	3	SH-11	SMOKE	----	3, 9, 10
183	J	3'-0"x7'-0"x2"	5	SH-08	SMOKE	F	3, 5, 9, 10, 12
184	C	3'-0"x7'-0"x2"	5	SH-09	SMOKE	F	3, 5, 9, 10, 15
185	D	2'-8"x4'-0"x2"	3	SH-11	SMOKE	----	3, 9, 10
186	H	3'-0"x7'-0"x2"	5	SH-08	SMOKE	F	3, 5, 9, 10, 12
187	E	3'-0"x7'-0"x2"	2	SH-05	20 MIN	F	3, 5, 9, 18
188	E	3'-0"x7'-0"x2"	2	SH-05	20 MIN	F	3, 5, 9, 18
189	A	3'-0"x7'-0"x2"	2	SH-09	20 MIN	----	3, 5, 9, 15
190	B	3'-0"x7'-0"x2"	2	SH-02	----	D	3, 5, 9
191	B	3'-0"x7'-0"x2"	5	SH-09	----	D	3, 5, 9, 10, 15
192	D	2'-8"x4'-0"x2"	3	SH-11	----	----	3, 9, 10
193	B	3'-0"x7'-0"x2"	5	SH-09	----	D	3, 5, 9, 10, 15
194	A	3'-0"x7'-0"x2"	2	SH-09	20 MIN	----	3, 5, 9, 15
195	A	3'-0"x7'-0"x2"	2	SH-09	20 MIN	----	3, 5, 9, 15
196	B	3'-0"x7'-0"x2"	5	SH-09	----	D	3, 5, 9, 10, 15
197	D	1'-8"x4'-0"x2"	3	SH-11	----	----	3, 9, 10
198	B	3'-0"x7'-0"x2"	5	SH-09	----	D	3, 5, 9, 10, 15
ATTIC							
201	A	3'-0"x6'-8"x1 1/2"	1	B109	----	----	2, 4, 6
202	A	4'-0"x6'-0"x1 1/2"	4	B110	----	----	2, 4, 6
203	A	3'-0"x7'-0"x2"	1	SH-10	----	----	2, 3, 4
204	A	4'-0"x6'-0"x1 1/2"	4	B109	----	----	2, 4, 6



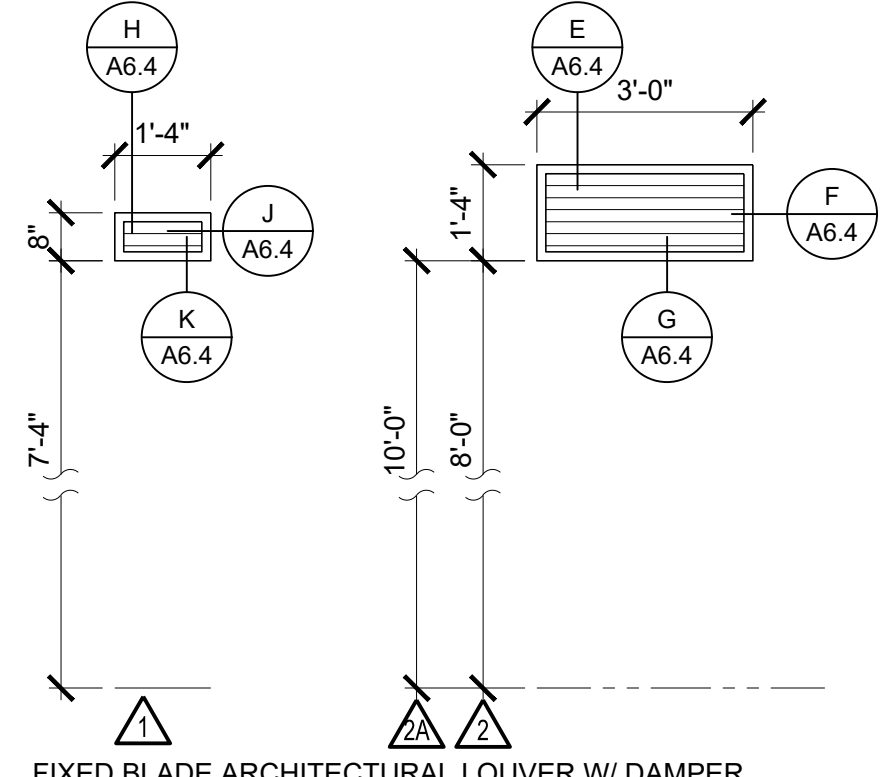
NO.	TYPE	SIZE	FRAME TYPE	HDW SET	F. RATING/LABEL	GLASS TYPE	REMARKS
201	A	3'-0"x6'-8"x1 1/2"	1	B109	----	----	2, 4, 6
202	A	4'-0"x6'-0"x1 1/2"	4	B110	----	----	2, 4, 6
203	A	3'-0"x7'-0"x2"	1	SH-10	----	----	2, 3, 4
204	A	4'-0"x6'-0"x1 1/2"	4	B10			



NO.	TYPE	SIZE	NO. OF LITES	GLASS TYPE	METAL GAUGE	HEAD HEIGHT, ROUGH OPENING	LABEL	REMARKS
1	B	4'-0"X4'-4"	2	F	12	7'-4"	----	
2	A	7'-2"X4'-4"	4	F	12	7'-4"	----	
3	C	11'-6"X7'-4"	12	F	12	7'-4"	SMOKE	
4	D	7'-8"X7'-4"	9	F	12	7'-4"	SMOKE	
5	D	7'-8"X7'-4"	9	F	12	7'-4"	SMOKE	
6	D	7'-8"X7'-4"	9	F	12	7'-4"	SMOKE	
7	D	7'-8"X7'-4"	9	F	12	7'-4"	SMOKE	
8	C	11'-6"X7'-4"	12	F	12	7'-4"	SMOKE	
9	G	16'-0"X7'-4"	14	F	12	7'-4"	SMOKE	
10	E	16'-0"X7'-4"	15	F	12	7'-4"	SMOKE	
11	E	16'-0"X7'-4"	15	F	12	7'-4"	SMOKE	
12	J	10'-8"X7'-4"	9	F	12	7'-4"	SMOKE	
13	H	2'-10"X7'-4"	3	F	12	7'-4"	----	



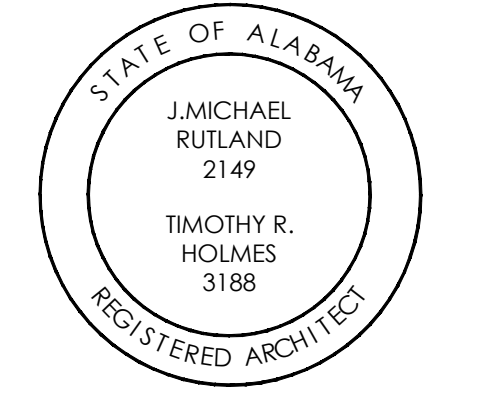
HOLLOW METAL SCHEDULE
SCALE: 3/8"=1'-0"



LOUVER SCHEDULE
SCALE: 3/8"=1'-0"

FIXED BLADE ARCHITECTURAL LOUVER W/ DAMPER.
FINISH SHALL BE KYNAR OR EQUAL IN COLOR.
COORDINATE FULLY WITH MECHANICAL FOR SIZES
AND DUCTWORK CONNECTION/ INTERFACE.

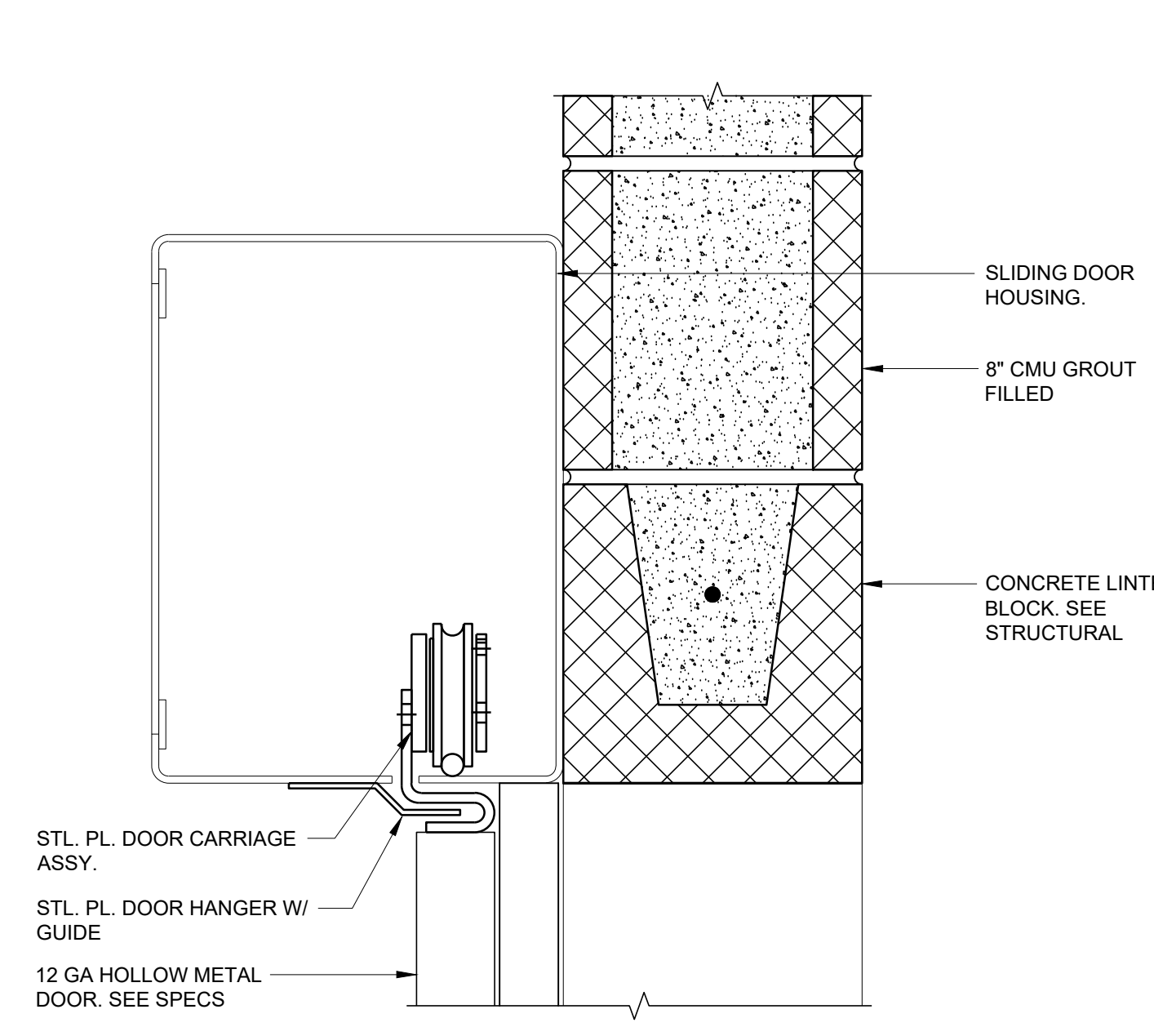
JMR+H
Architecture, P.C.
445 Dexter Avenue
Suite 5050
Montgomery, AL 36104
Phone: (334) 420-5672
Fax: (334) 420-5692



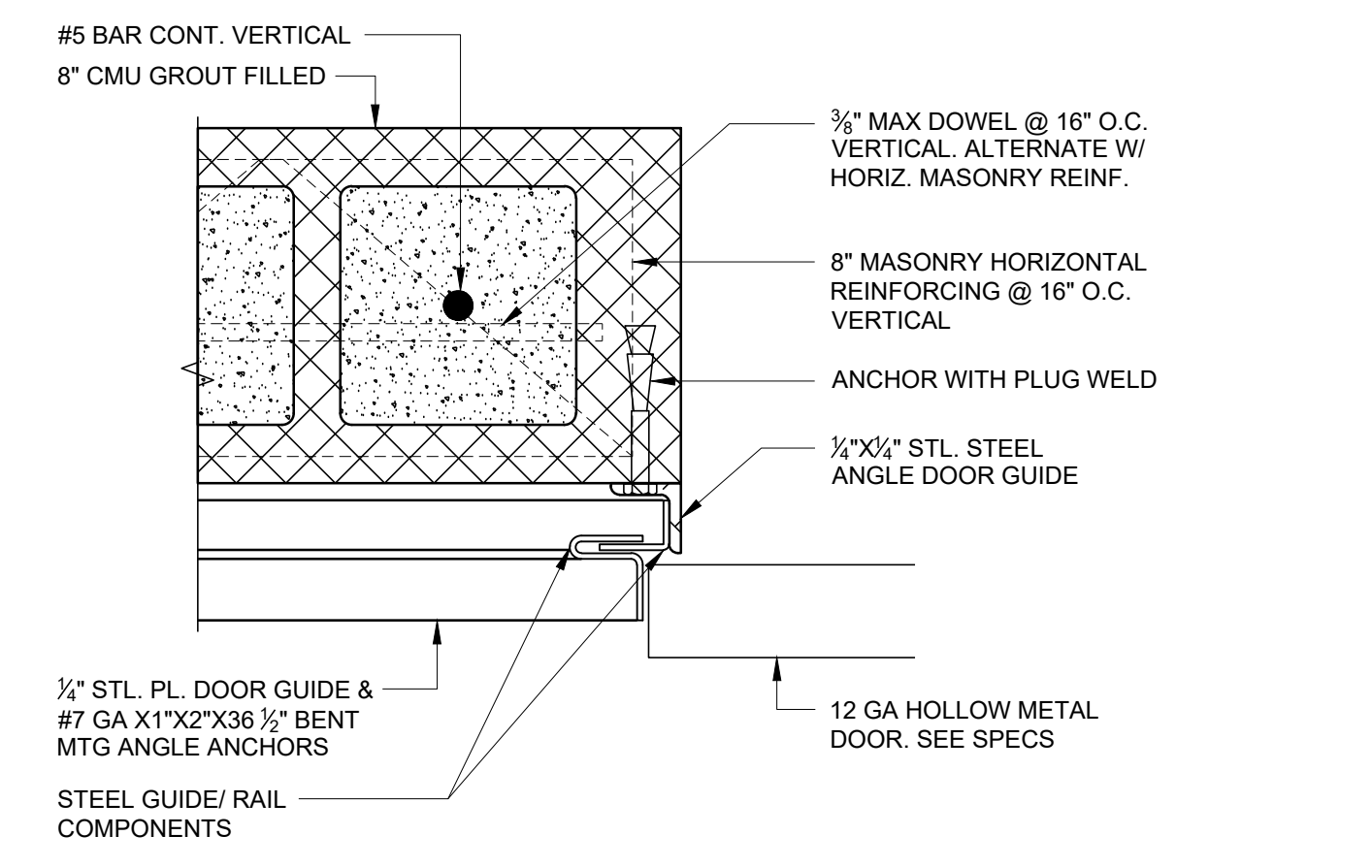
**CHOCTAW COUNTY JAIL
BUTLER,
ALABAMA**

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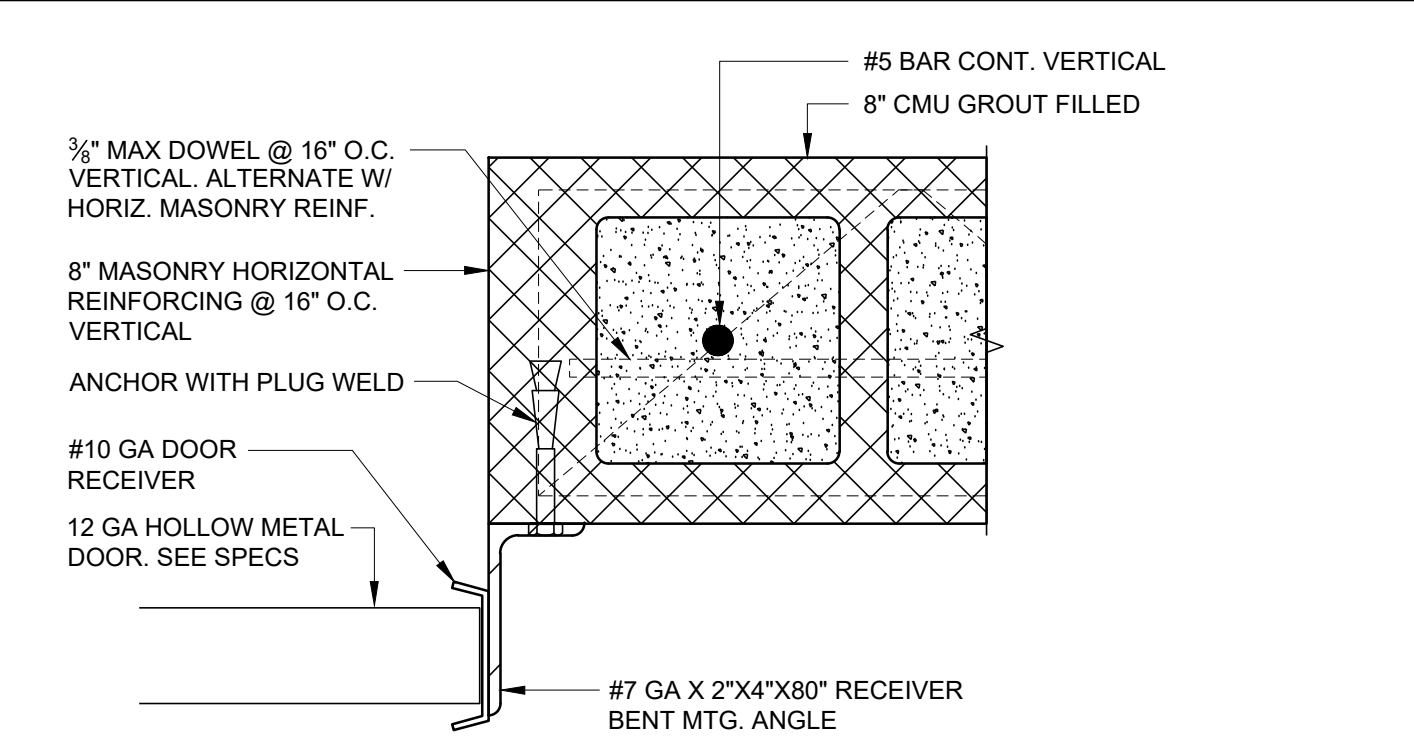
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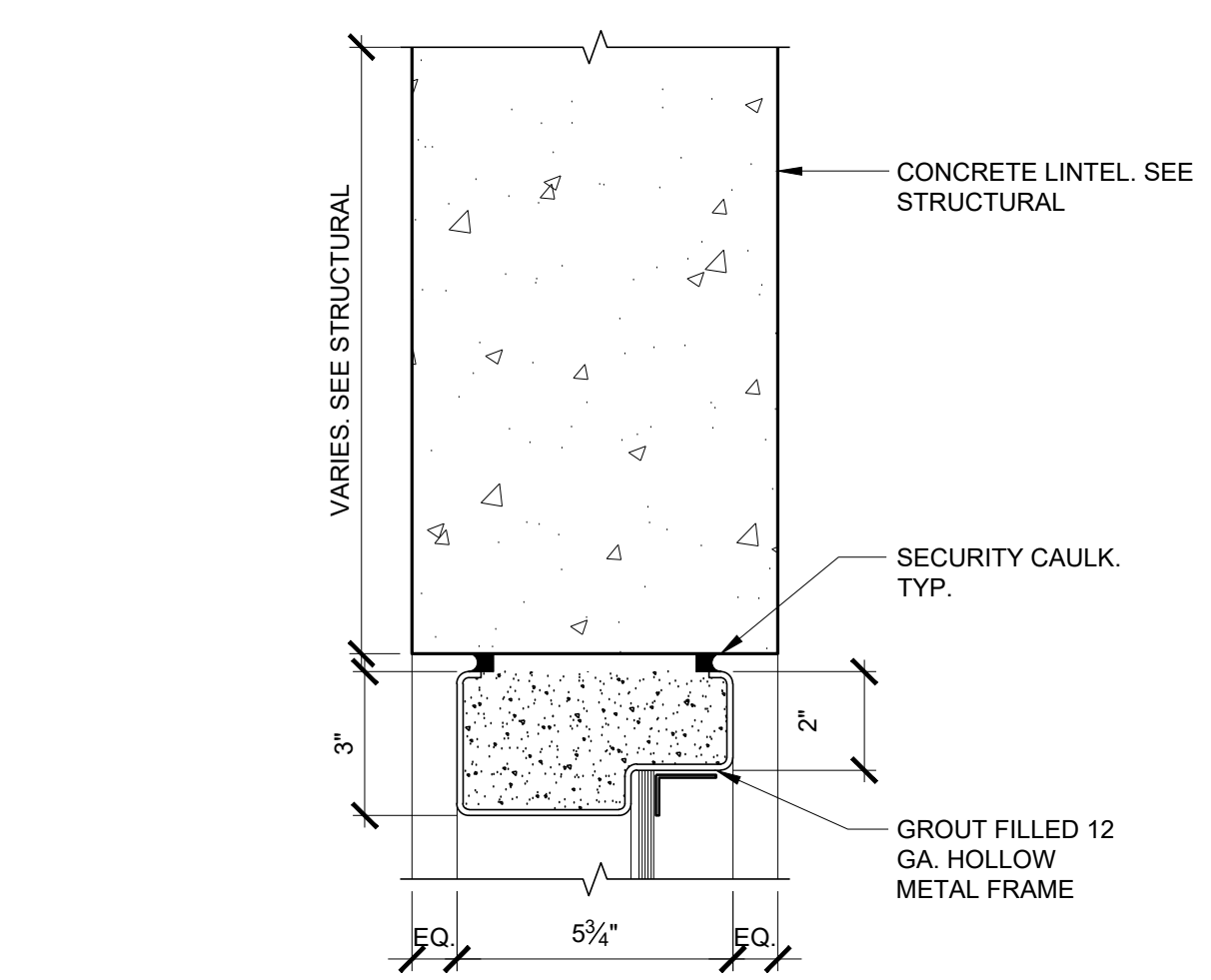
9 HEAD @ SLIDING DOOR
SCALE: 3"=1'-0"



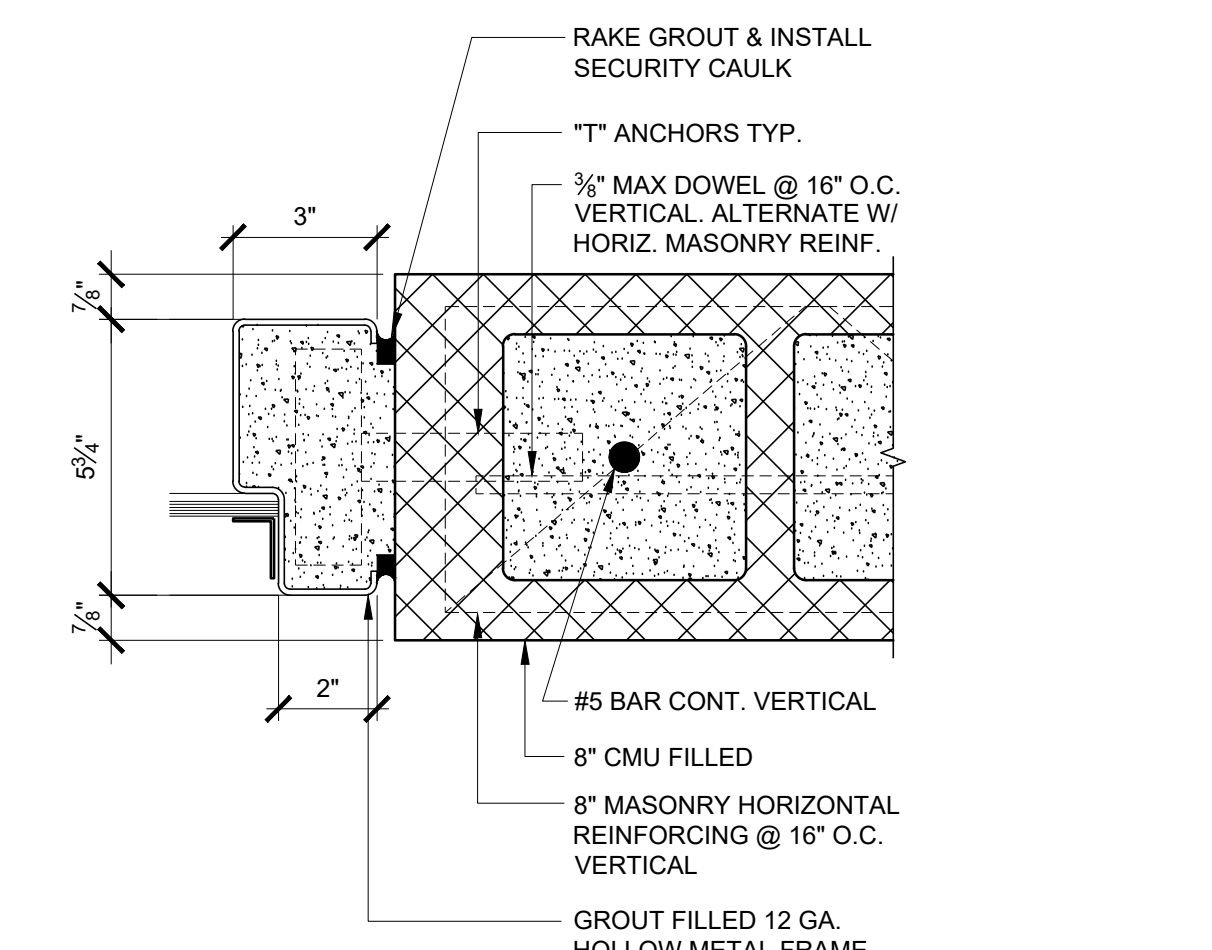
10 JAMB @ SLIDING DOOR
SCALE: 3"=1'-0"



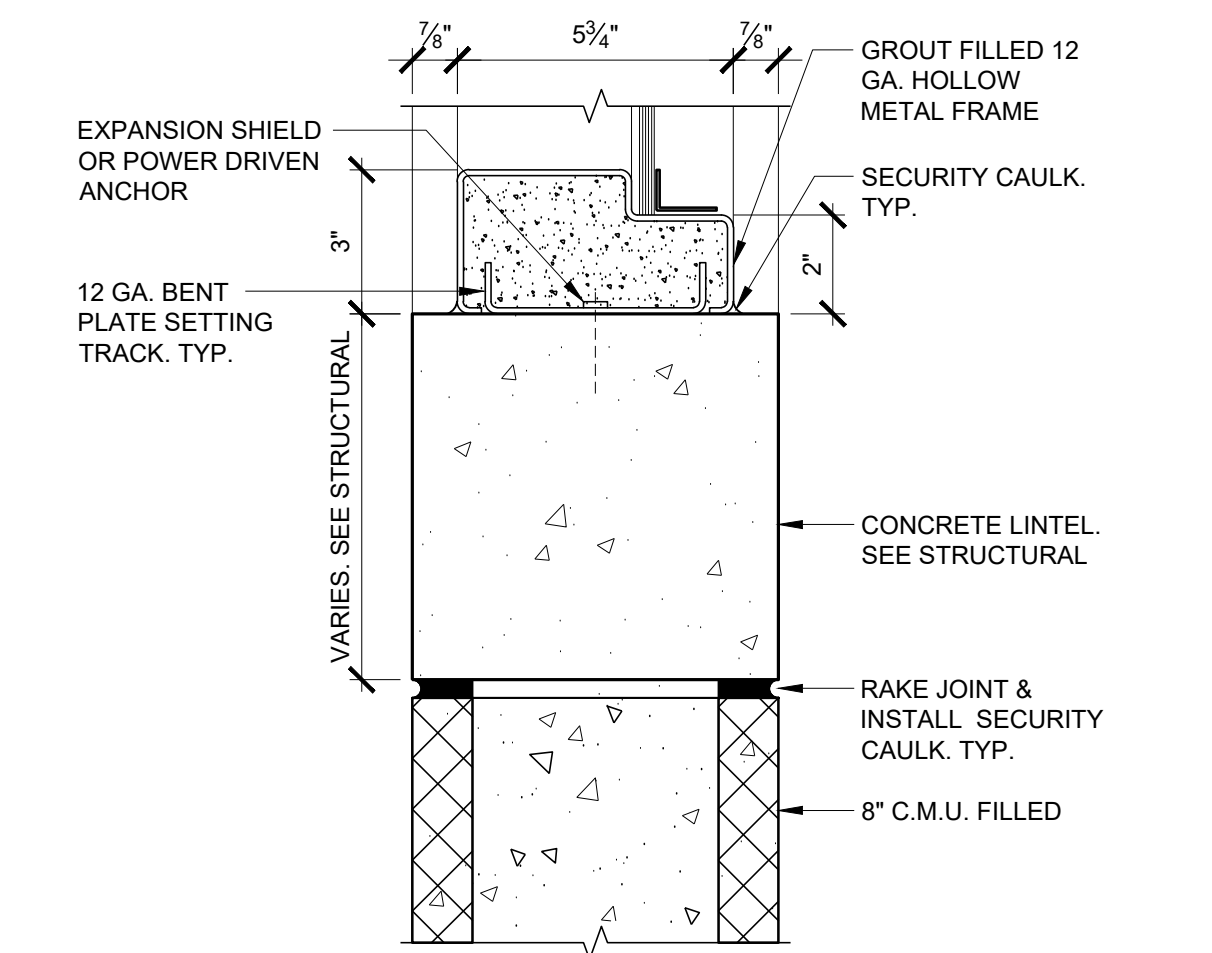
11 JAMB @ SLIDING DOOR
SCALE: 3"=1'-0"



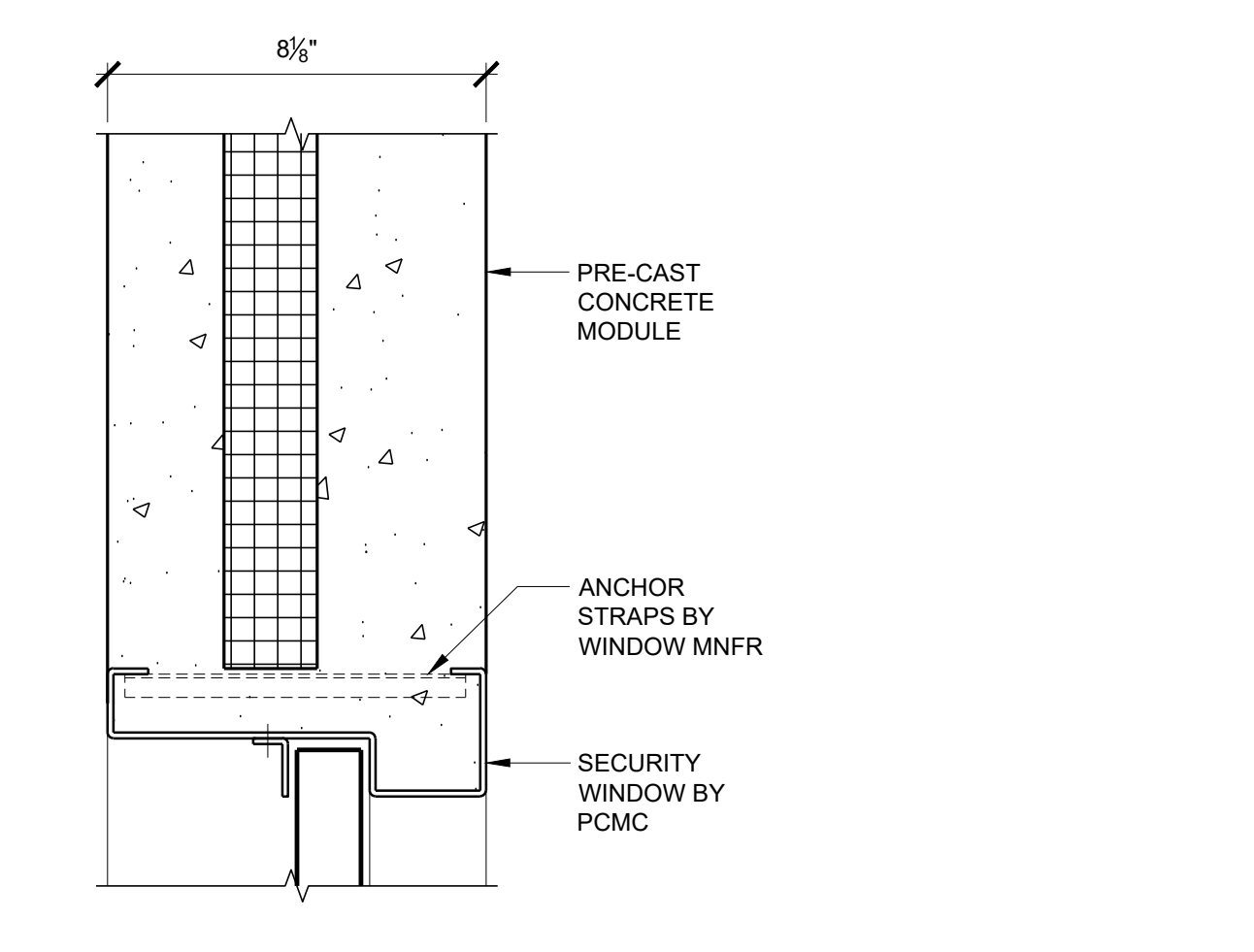
12 HEAD DETAIL
SCALE: 3"=1'-0"



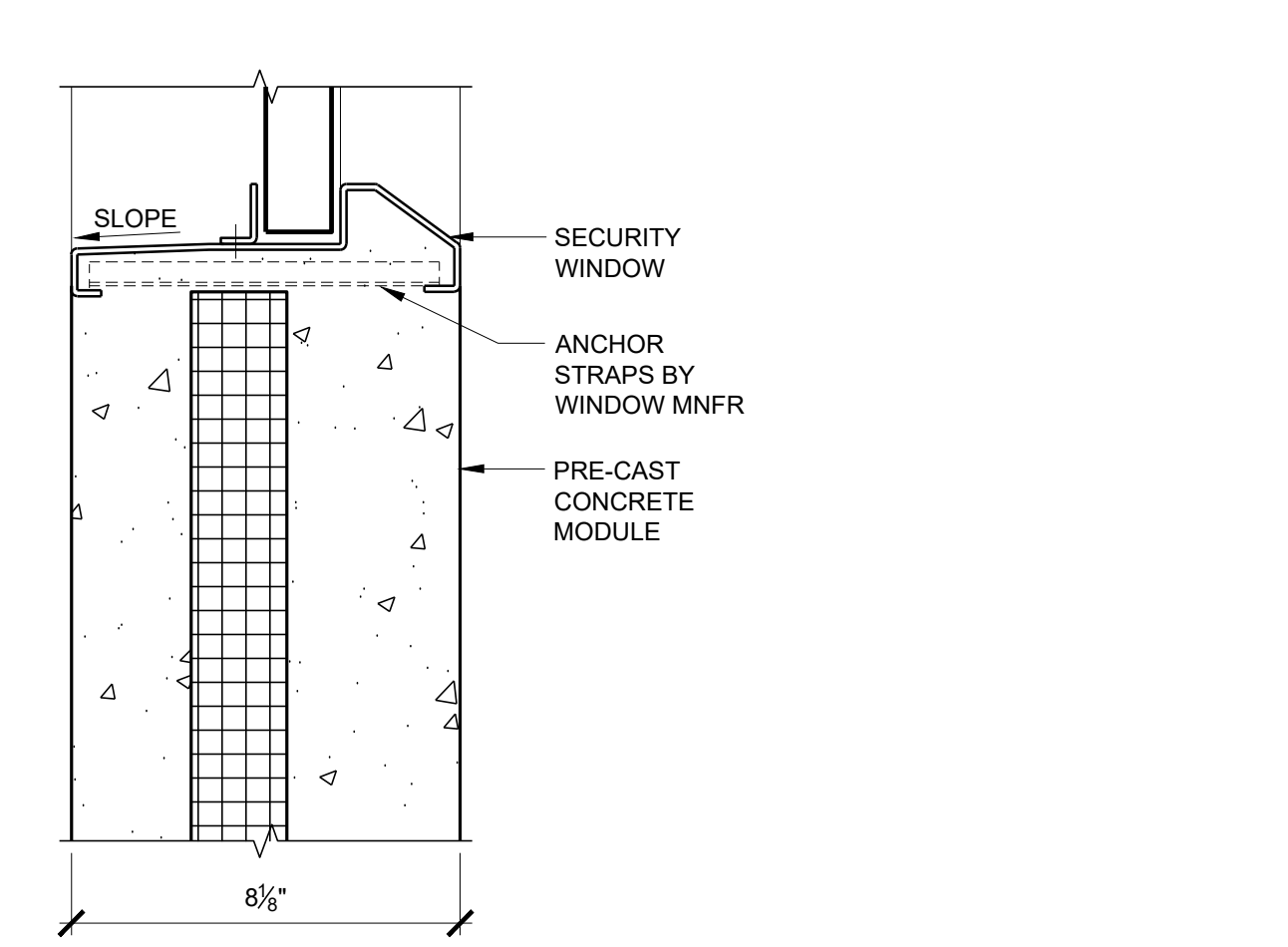
13 JAMB DETAIL
SCALE: 3"=1'-0"



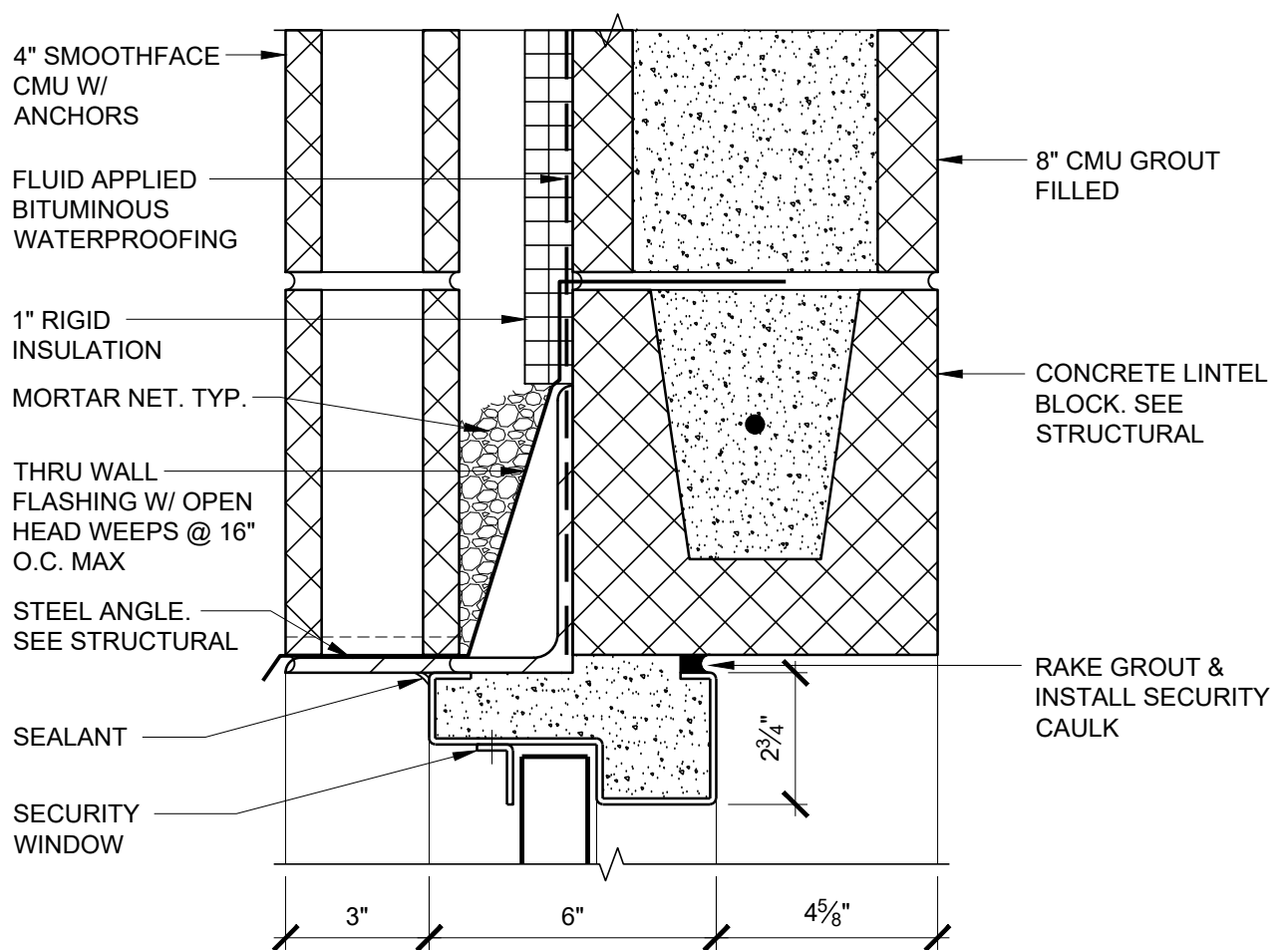
14 SILL DETAIL
SCALE: 3"=1'-0"



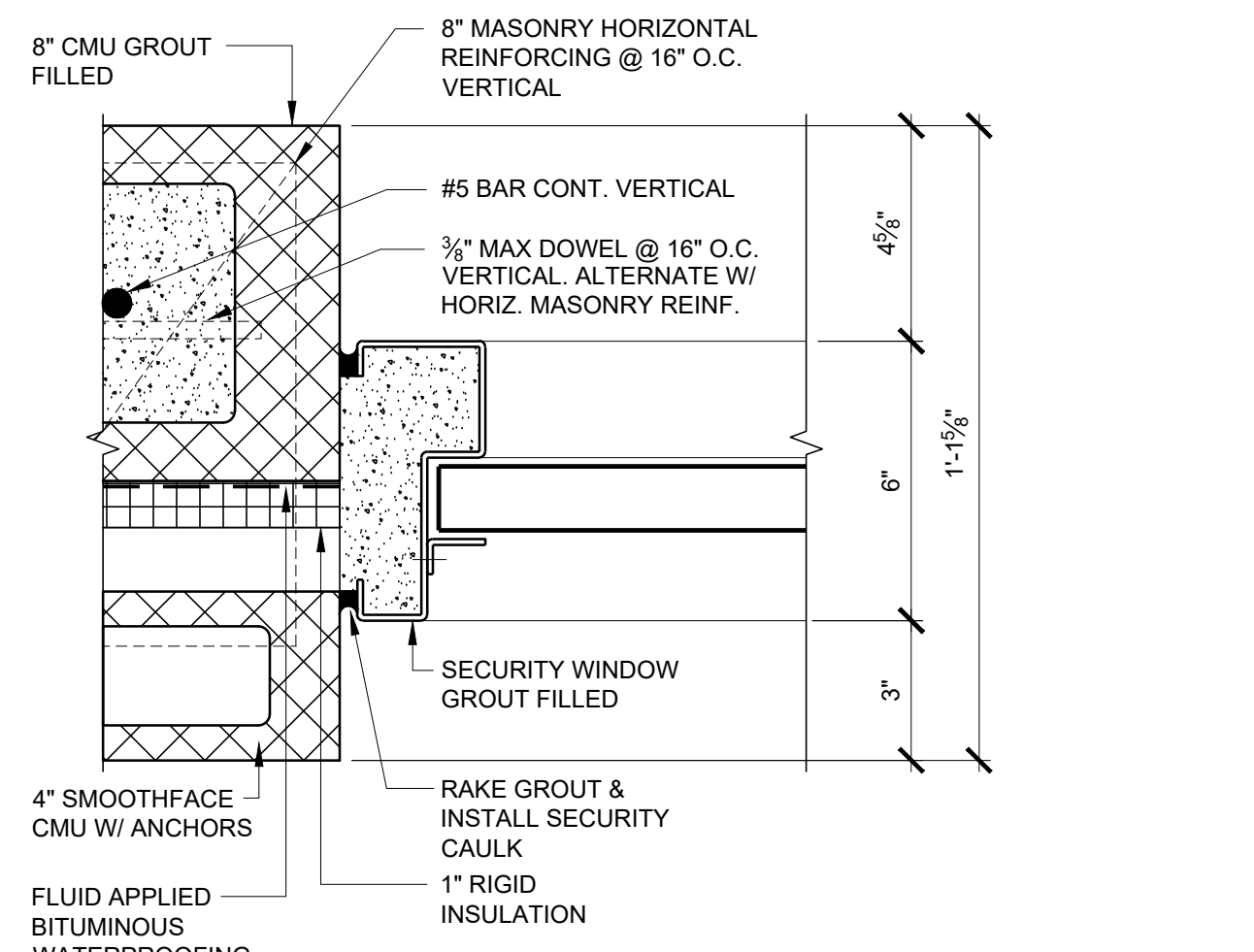
**15 HEAD @ MODULE/
JAMB SIMILAR BY PCMC**
SCALE: 3"=1'-0"



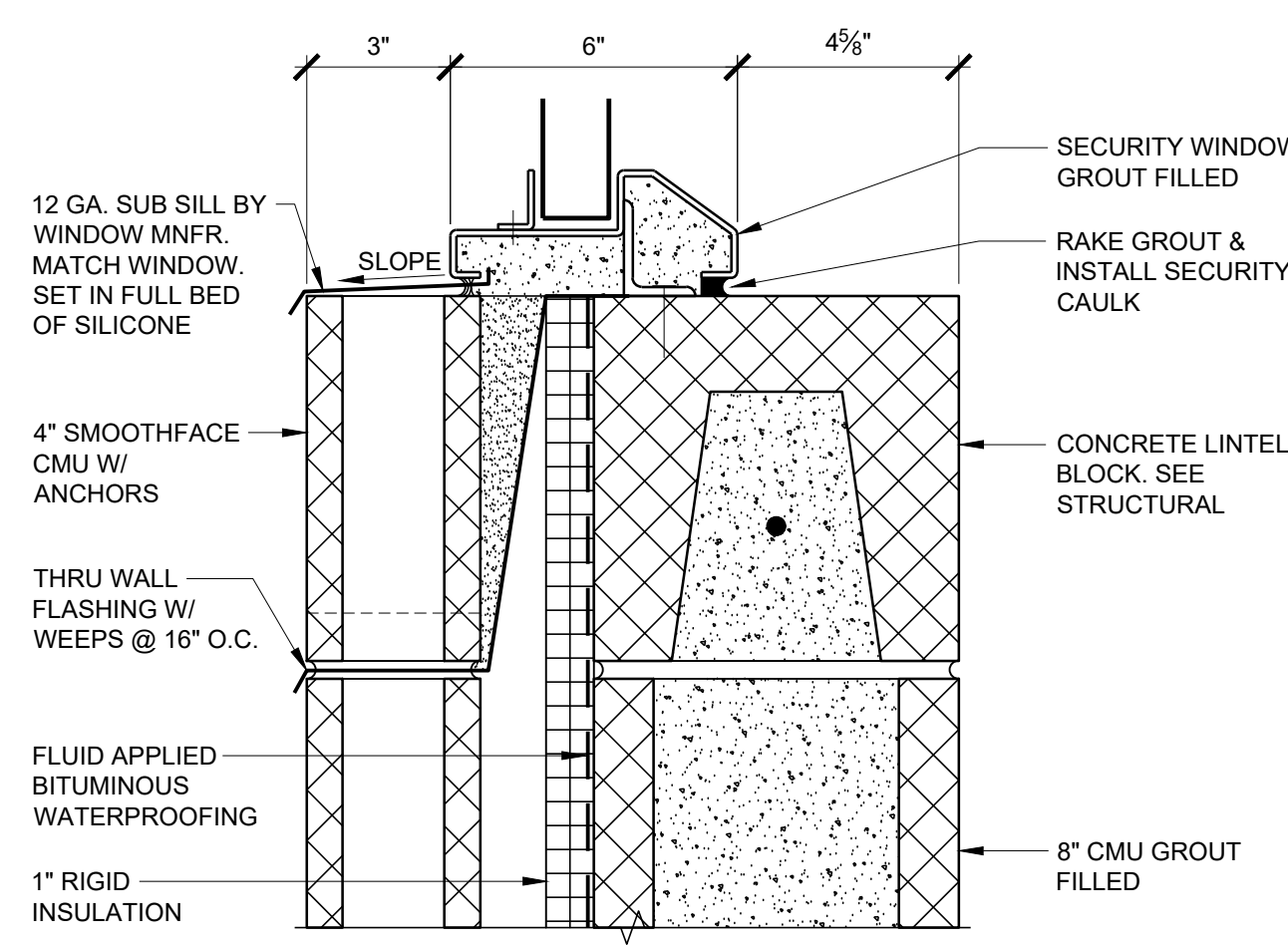
16 SILL @ MODULE BY PCMC
SCALE: 3"=1'-0"



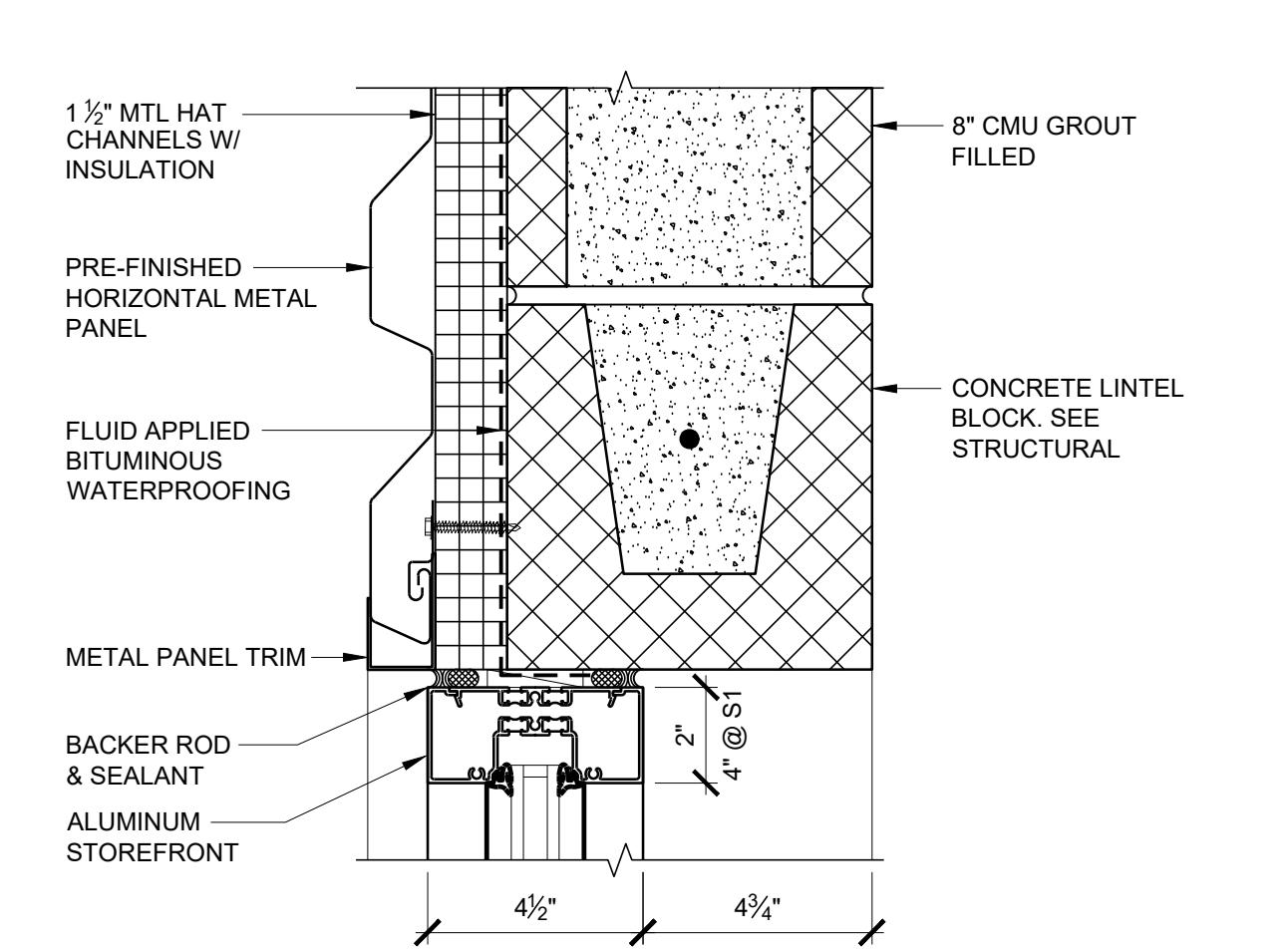
17 HEAD DETAIL
SCALE: 3"=1'-0"



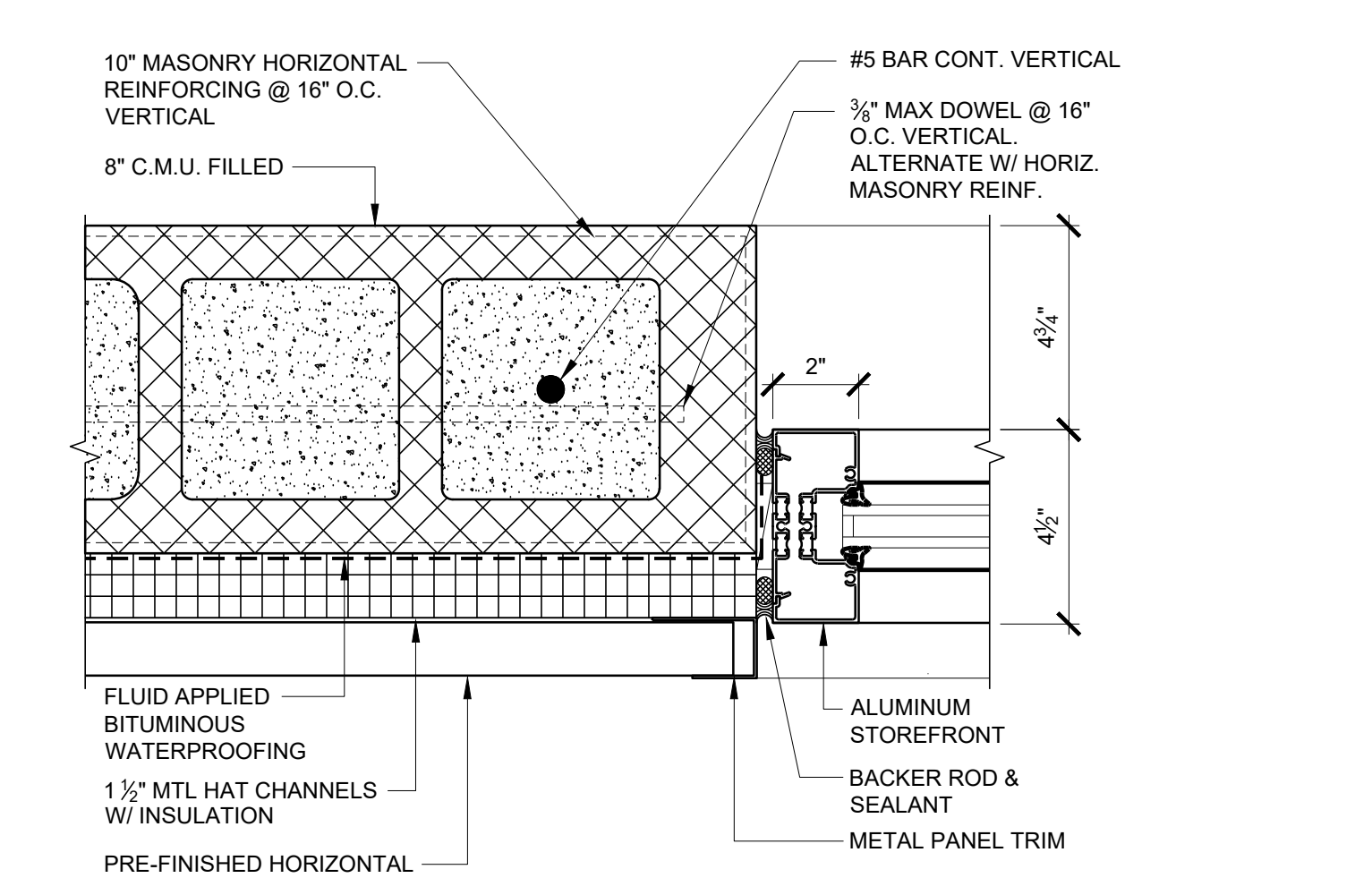
18 JAMB DETAIL
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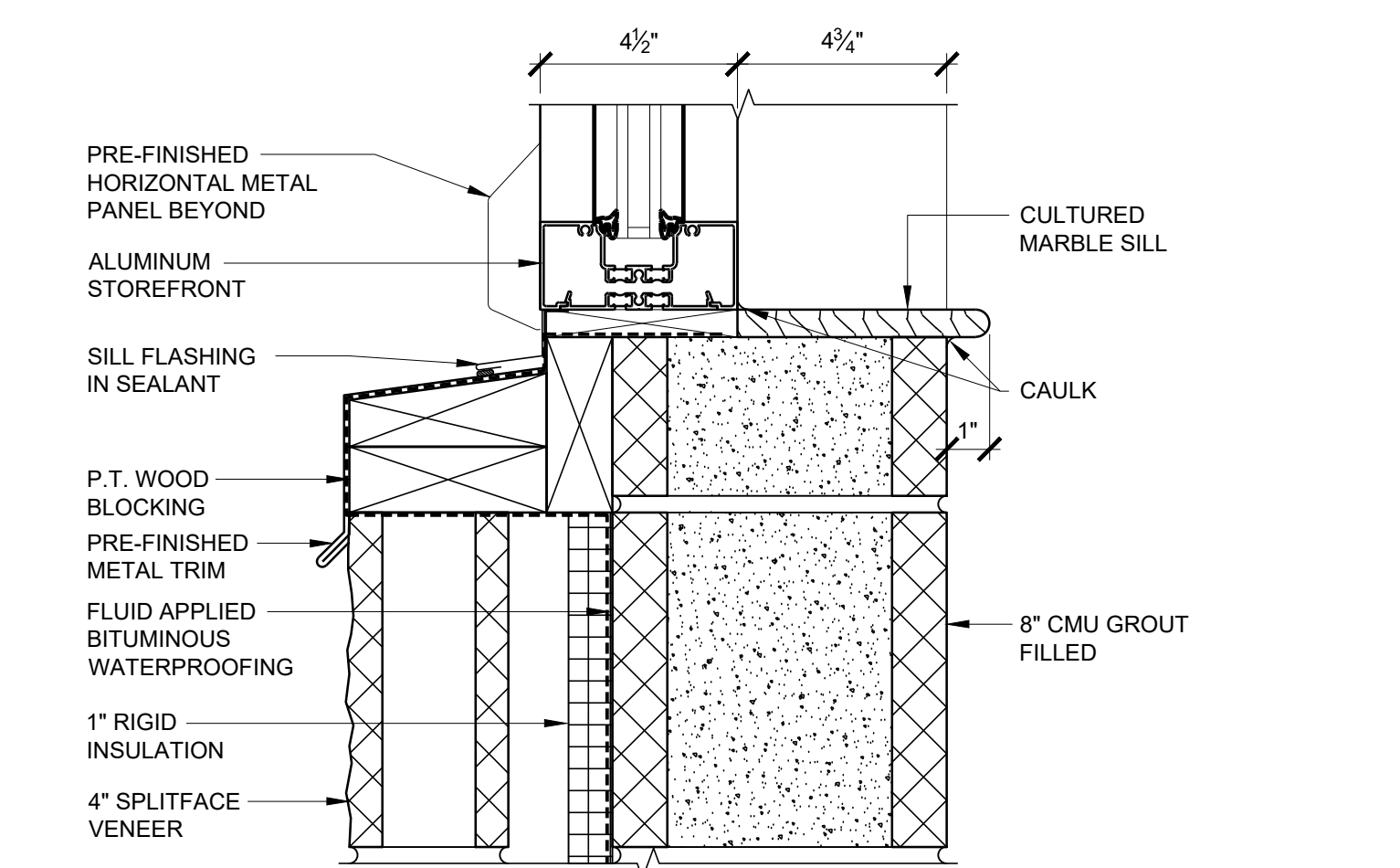
19 SILL DETAIL
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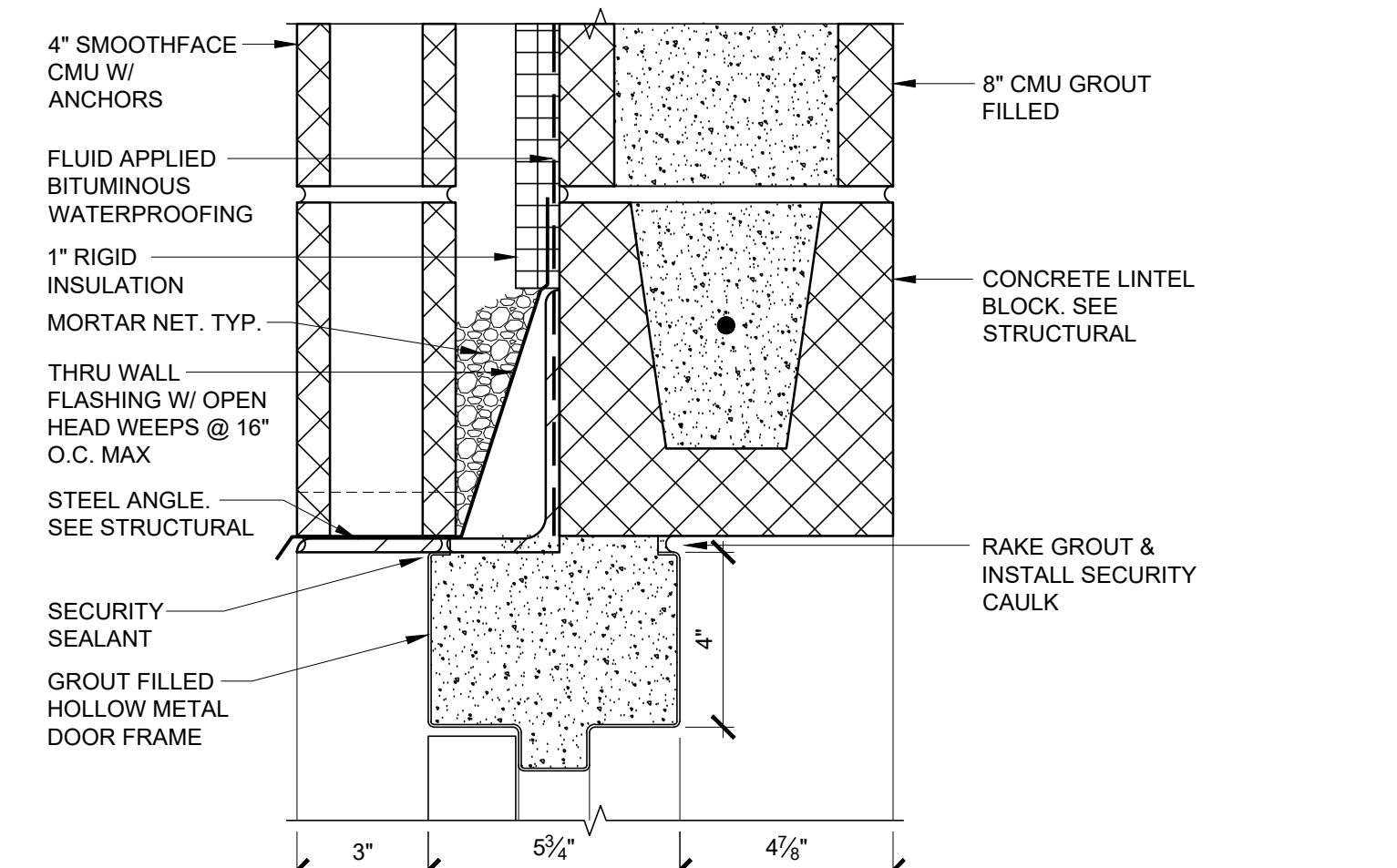
20 HEAD @ STOREFRONT
SCALE: A3.1



21 JAMB @ STOREFRONT
SCALE: 3"=1'-0"



22 SILL @ STOREFRONT
SCALE: 3"=1'-0"



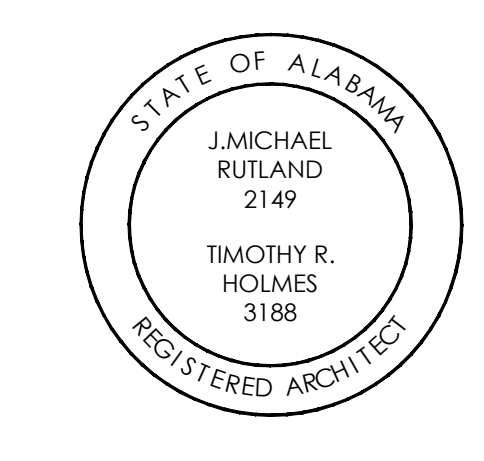
23 HEAD DETAIL
SCALE: 3"=1'-0"

CONSTRUCTION DOCUMENTS

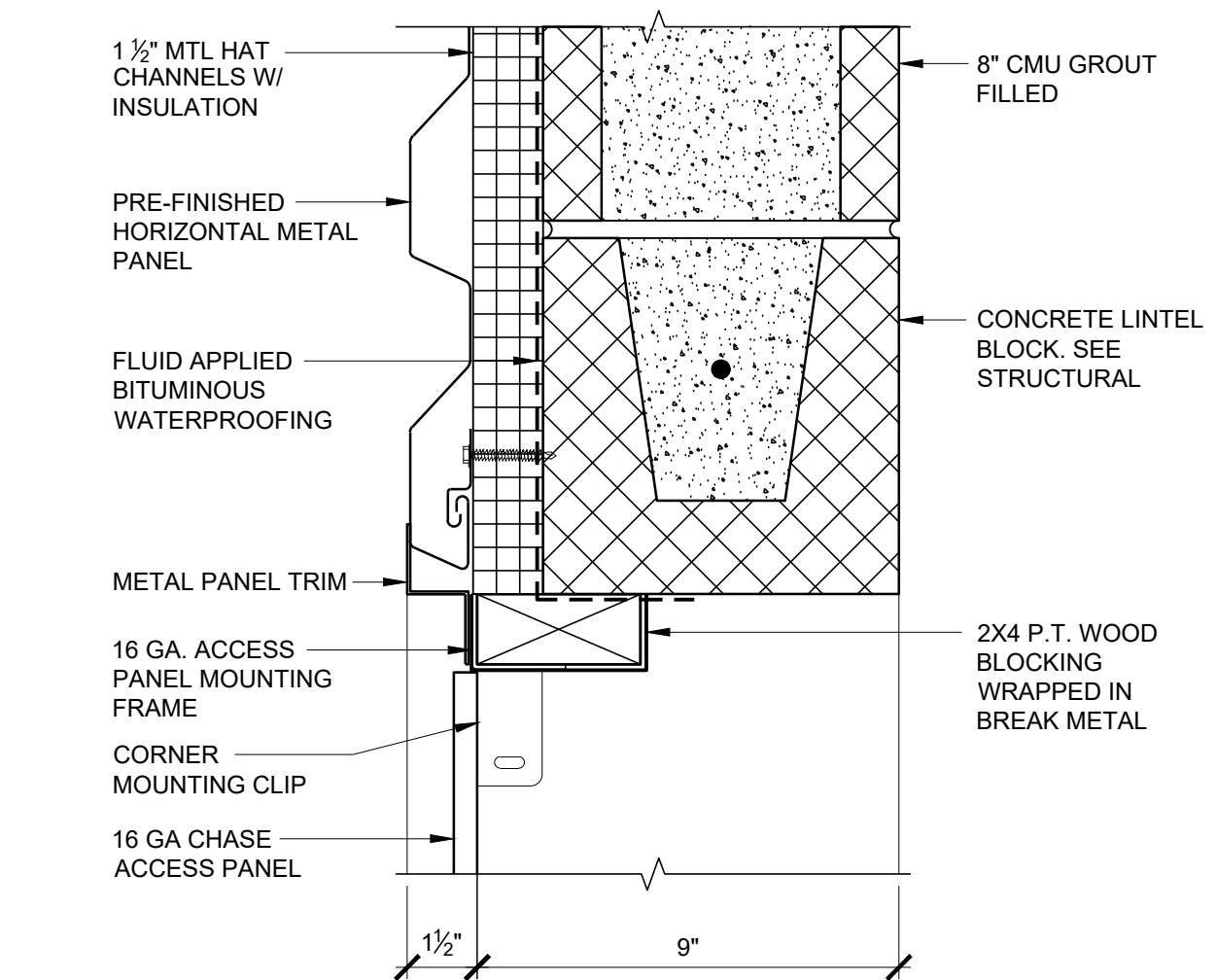
Project Number: 22-1189
Date: 30 MAY 2024
Revisions:

Sheet Description
HOLLOW METAL WINDOW SCHEDULE, DETAILS

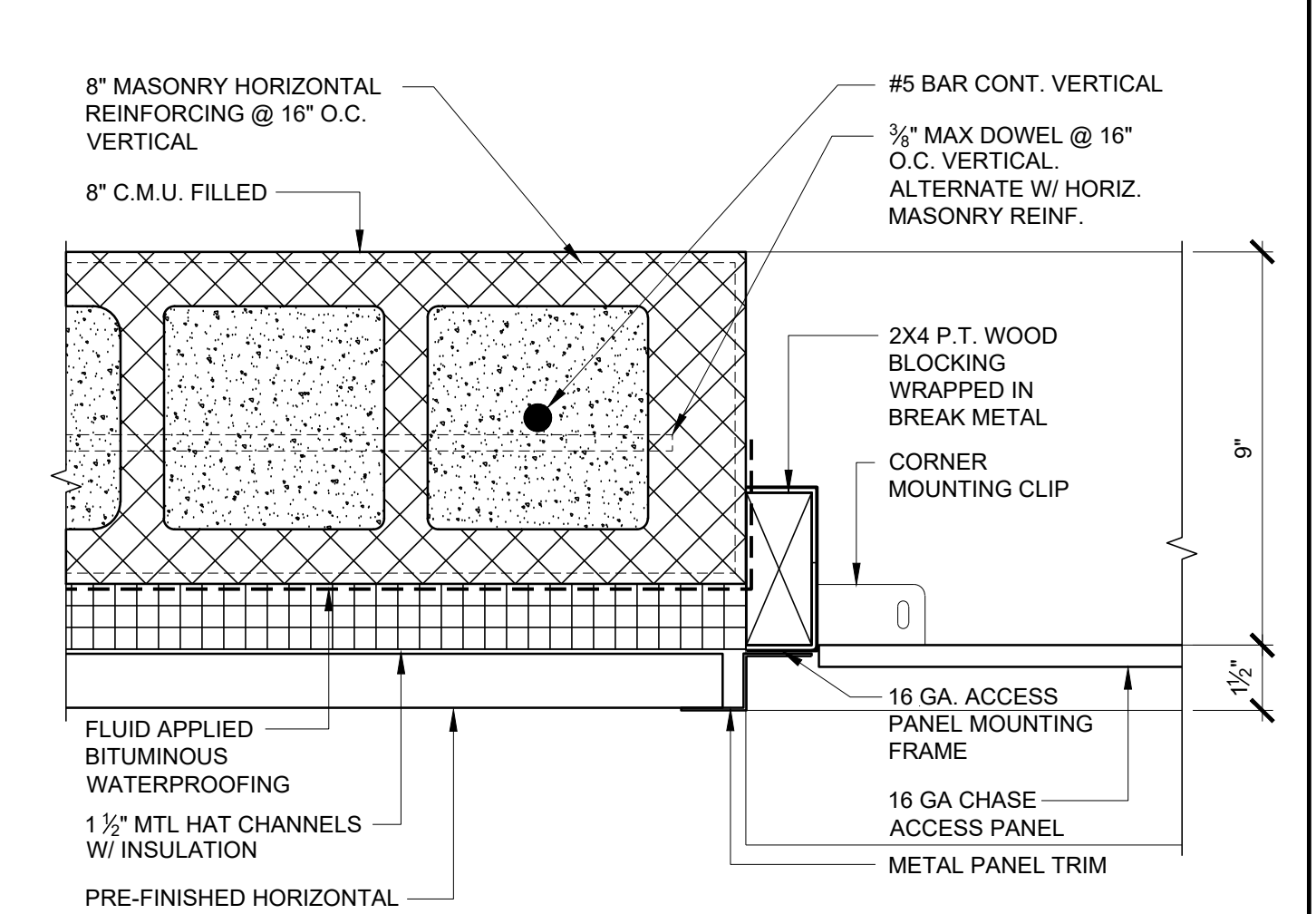
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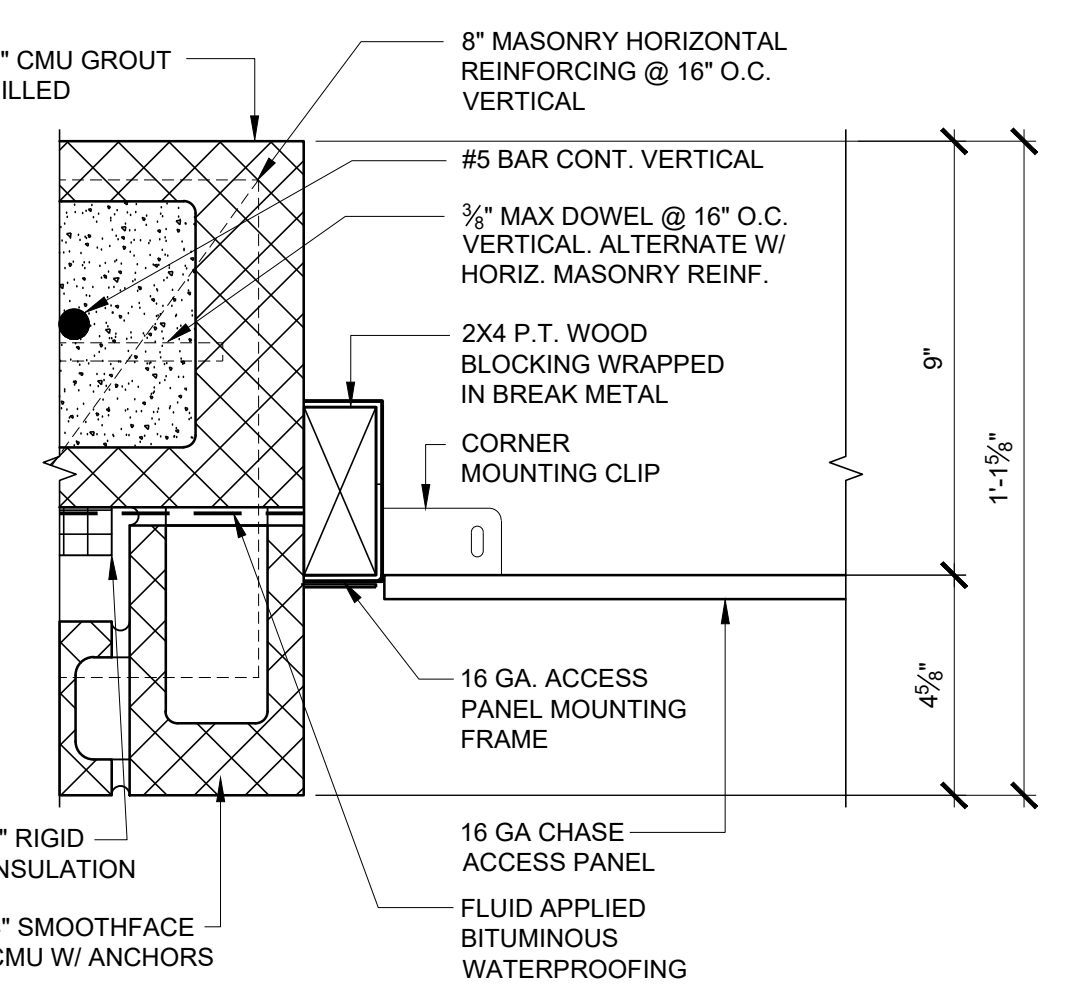
**CHOCTAW COUNTY JAIL
BUTLER,
ALABAMA**



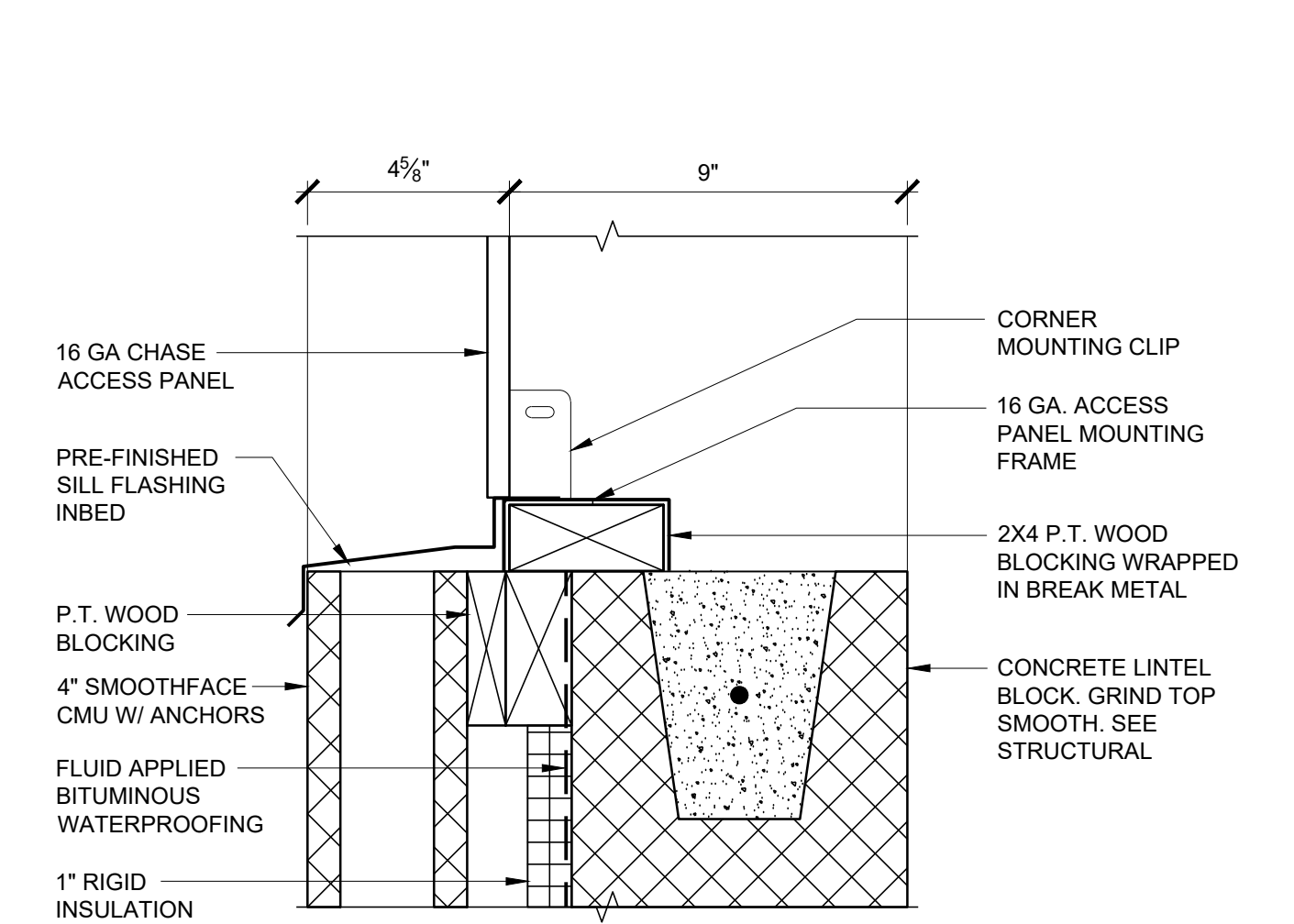
HEAD DETAIL
SCALE: 3"=1'-0"



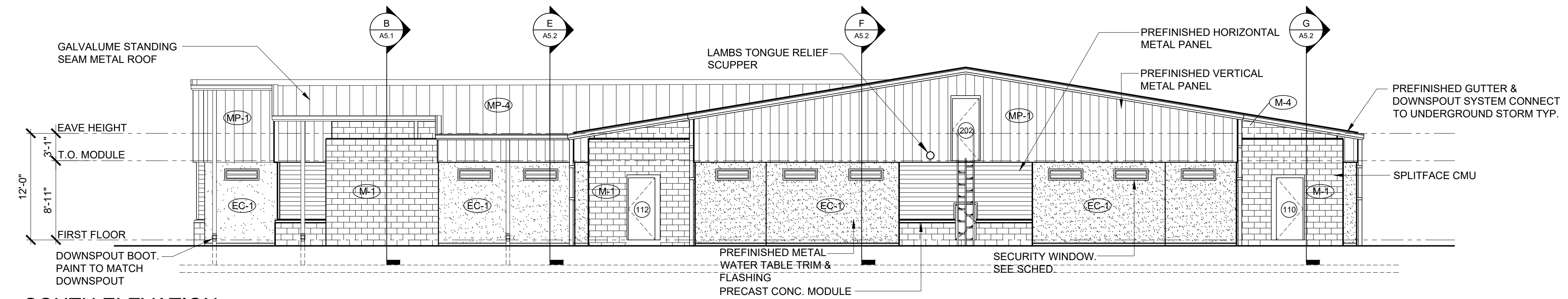
JAMB DETAIL - HIGH
SCALE: 3"=1'-0"



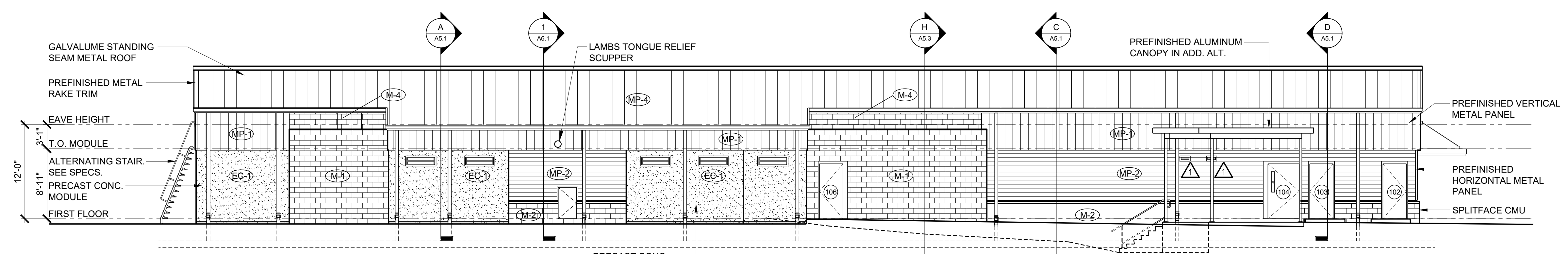
JAMB DETAIL - LOW
SCALE: 3"=1'-0"



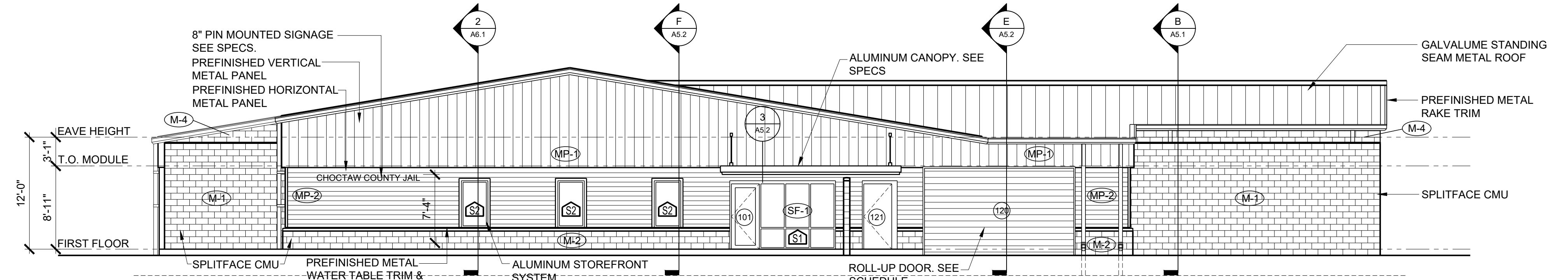
SILL DETAIL
SCALE: 3"=1'-0"



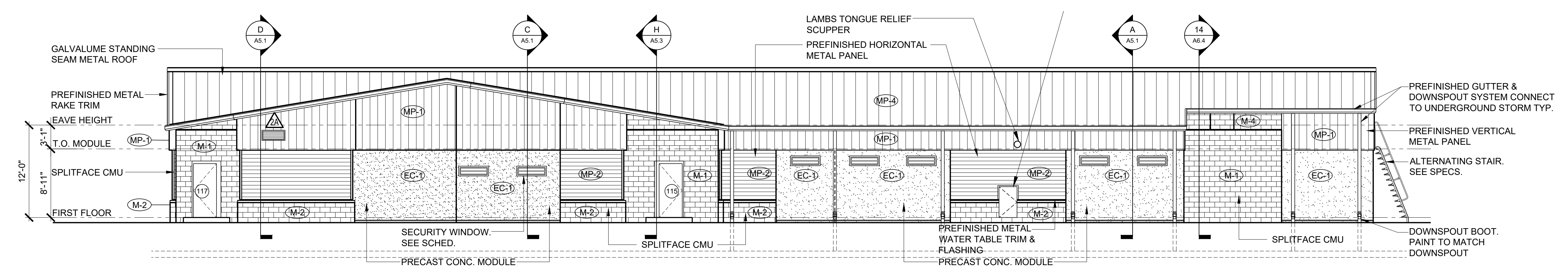
SOUTH ELEVATION
SCALE: 1/8"=1'-0"



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



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



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

CONSTRUCTION DOCUMENTS

Project Number: 22-1189
Date: 30 MAY 2024
Revisions:

COLOR/ MATERIAL SCHEDULE			
KEY	MANUFACTURE	PRODUCT	COLOR / FINISH
(EC-1)	SHERWIN WILLIAMS	ELASTOMERIC COATING	
(MP-1)	PAC-CLAD	METAL PANEL FASCIA	SMOOTH/ FLUSH
(MP-2)	PAC-CLAD	METAL PANEL WALL	HORIZONTAL RIB
(MP-3)	PAC-CLAD	METAL PANEL SOFFIT	
(MP-4)	PAC-CLAD	METAL PANEL ROOF	GALVALUME STANDING SEAM
(SF-1)	KAWNEER	ALUMINUM STOREFRONT	
(M-1)	SHERWIN WILLIAMS	8" SPLITFACE CMU	COLOR TBD BY ARCHITECT
(M-2)	SHERWIN WILLIAMS	4" SPLITFACE CMU VENEER	COLOR TBD BY ARCHITECT
(M-3)	SHERWIN WILLIAMS	8" SMOOTH FACE CMU	COLOR TBD BY ARCHITECT
(M-4)	SHERWIN WILLIAMS	4" SMOOTH FACE CMU VENEER	COLOR TBD BY ARCHITECT

NOTE:
1. ALL COLOR / MATERIAL SELECTIONS FROM MANUFACTURER STANDARD COLORS SUBJECT TO FINAL REVIEW AND APPROVAL BY OWNER / ARCHITECT. VERIFY ALL COLORS W/ OWNER / ARCHITECT PRIOR TO MATERIAL ORDER AND PROCUREMENT.
2. SUBMIT ALL COLOR / MATERIAL SELECTIONS IN ONE (1) GROUP OF SUBMITTALS FOR OWNER / ARCHITECT REVIEW AND APPROVAL. SINGULAR SUBMITTALS WILL NOT BE CONSIDERED.
3. WHERE COLOR / FINISH IS DESIGNATED TO "MATCH EXISTING", CONFIRM COLOR AND MATERIAL WITH EXISTING BUILDINGS AND FORWARD TO ARCHITECT FOR REVIEW / CONFIRMATION.

Sheet Description

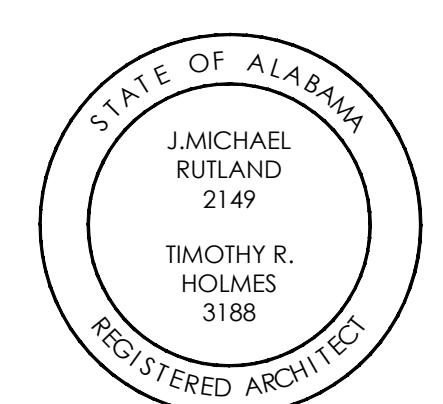
EXTERIOR ELEVATIONS

Sheet Number

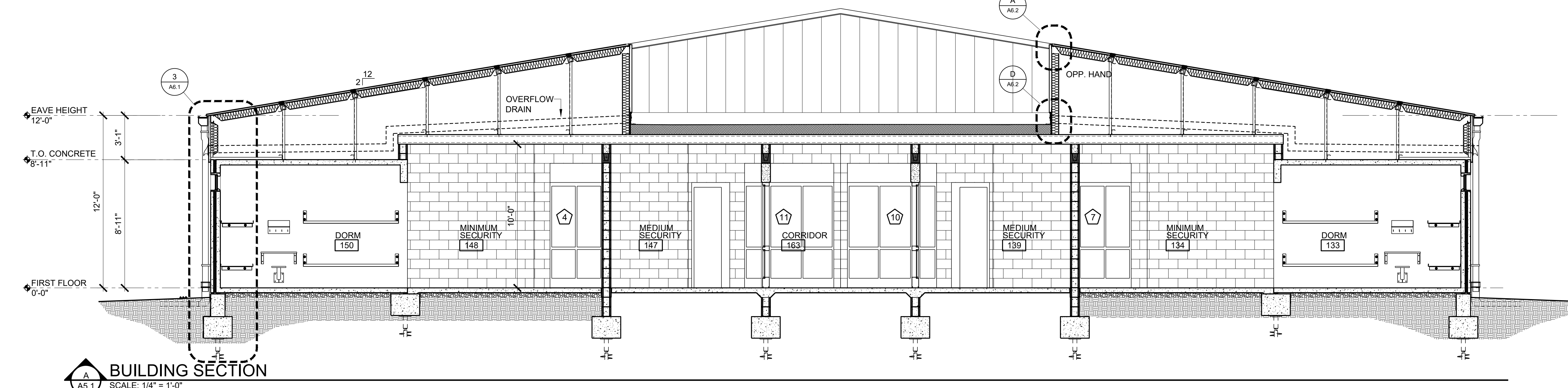
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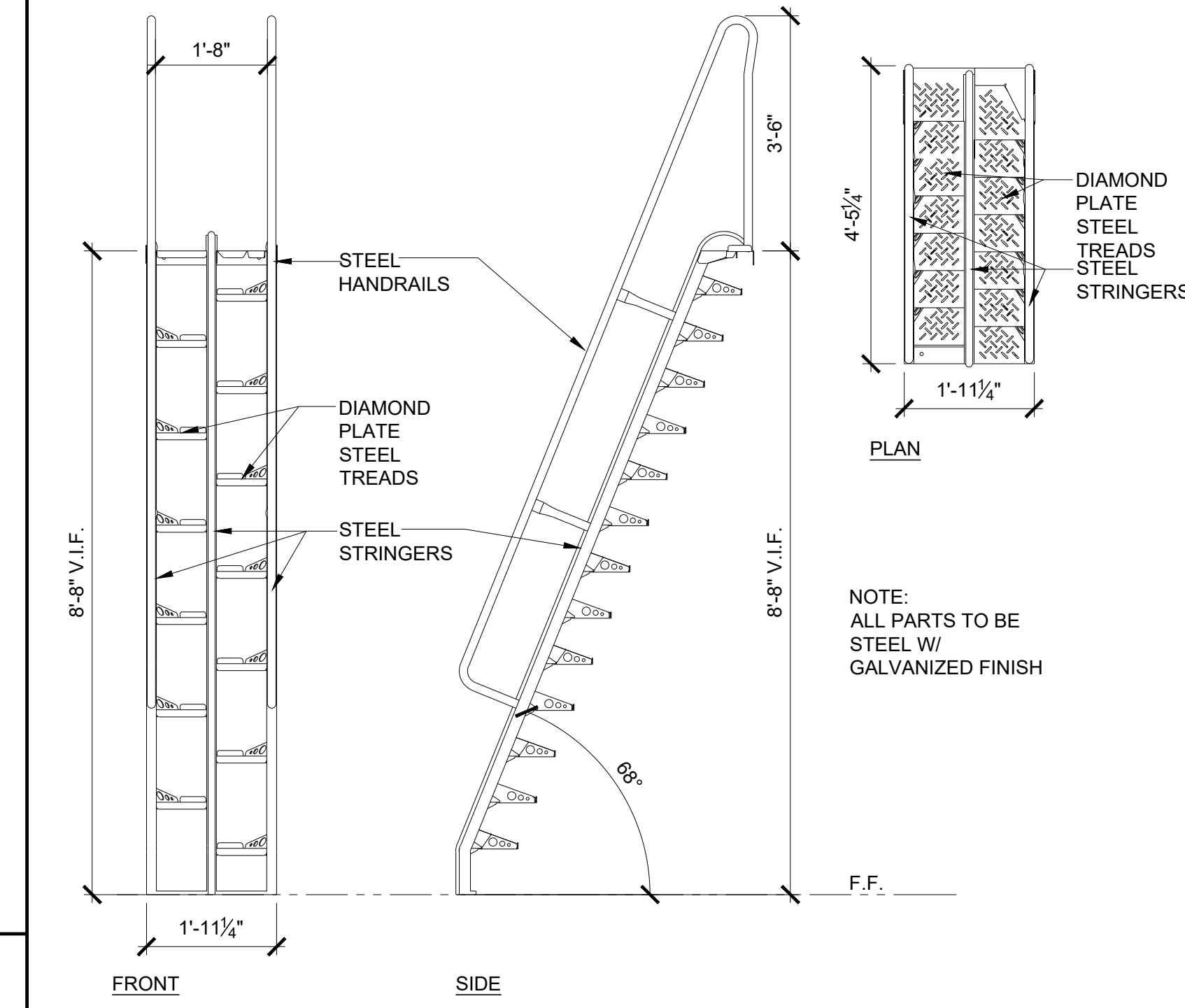
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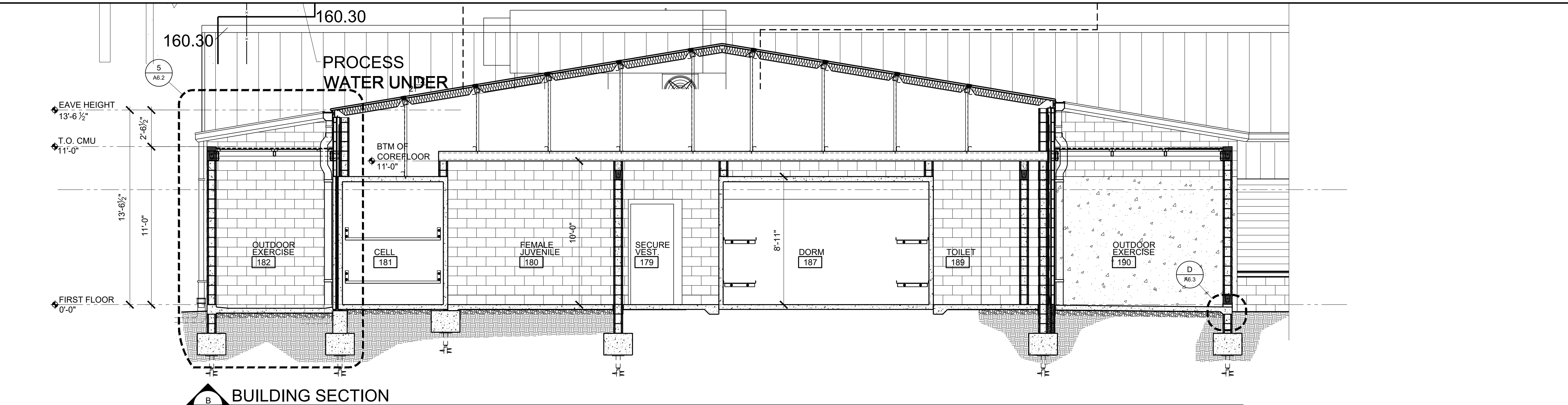
**CHOCTAW COUNTY JAIL
BUTLER,
ALABAMA**



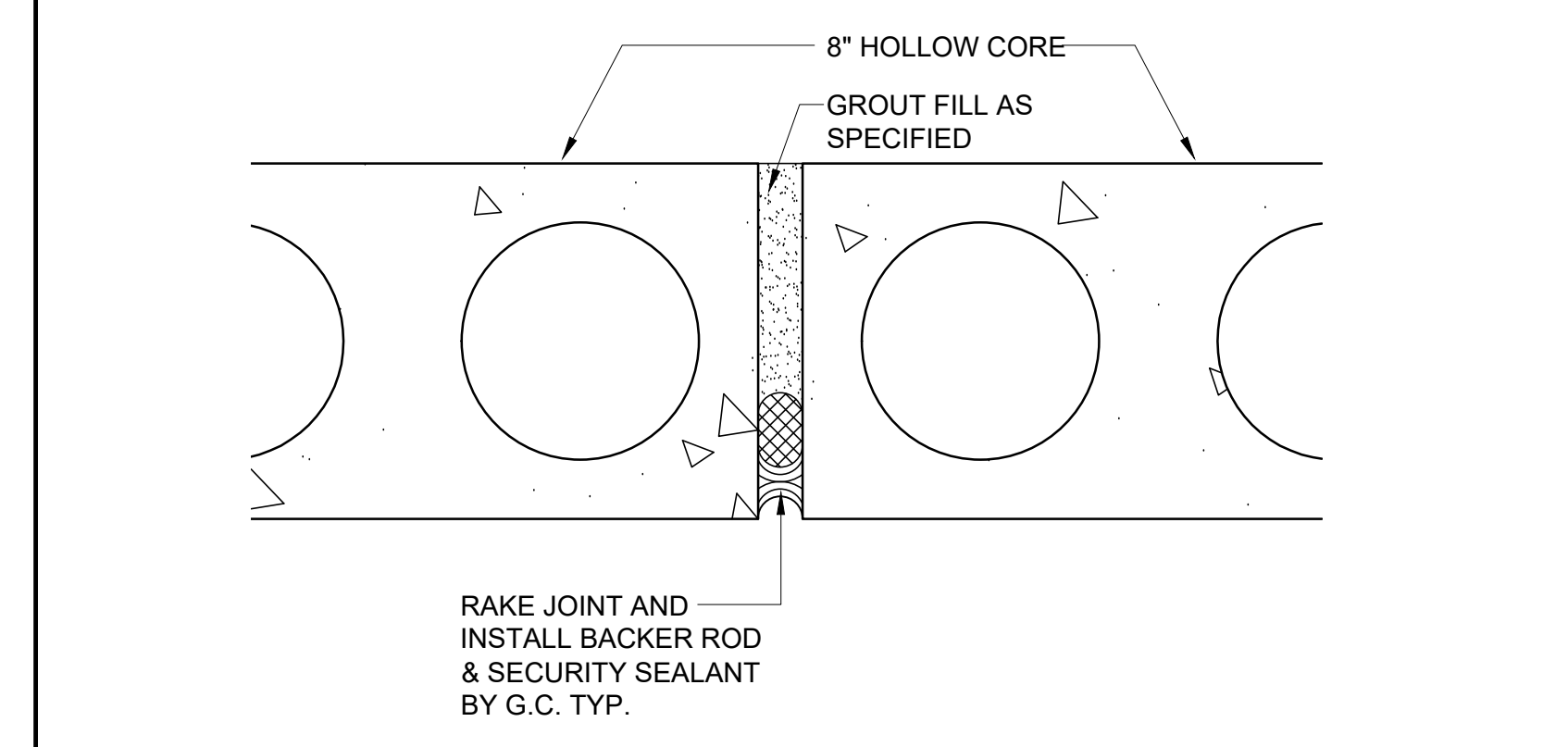
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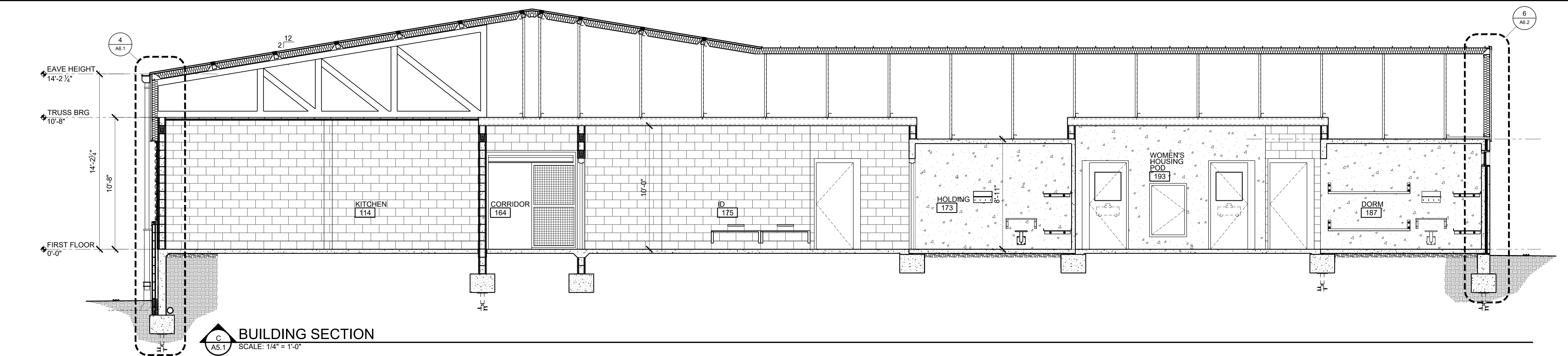
ALTERNATING STAIR DETAILS
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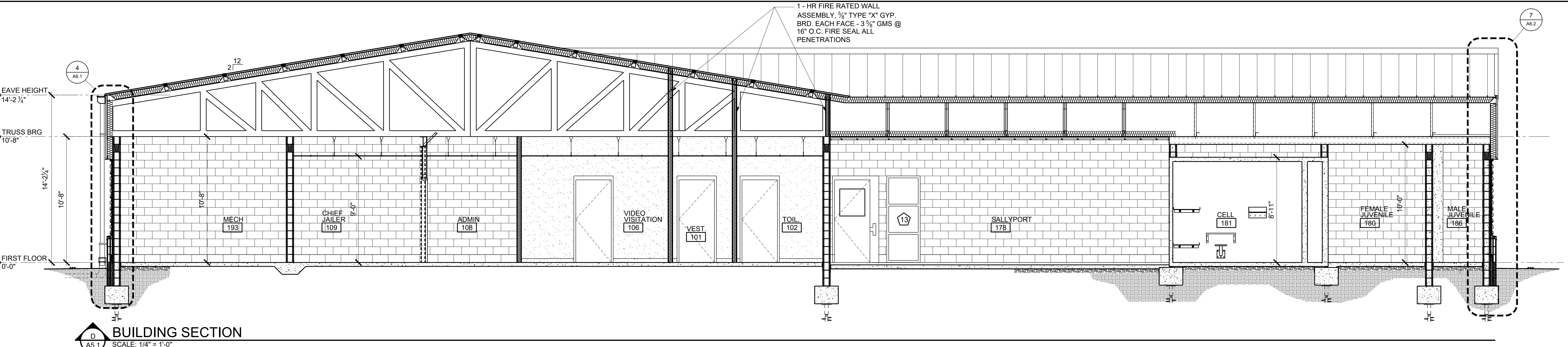
BUILDING SECTION
SCALE: 1/4" = 1'-0"



TYPICAL HOLLOW CORE JOINT
SCALE: 3" = 1'-0"



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



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

CONSTRUCTION DOCUMENTS

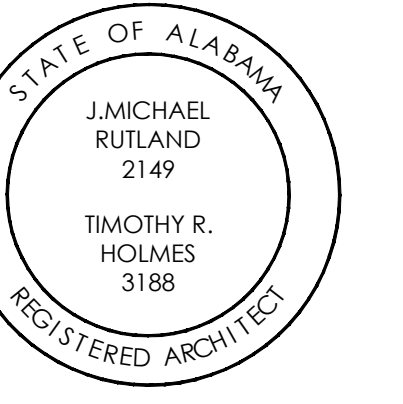
Project Number: 22-1189
Date: 30 MAY 2024
Revisions:

BUILDING SECTIONS

Sheet Number
A5.1

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PRINTED: 6/14/2024 @ 5:00PM



**CHOCTAW COUNTY JAIL
 BUTLER,
 ALABAMA**

**CONSTRUCTION
 DOCUMENTS**

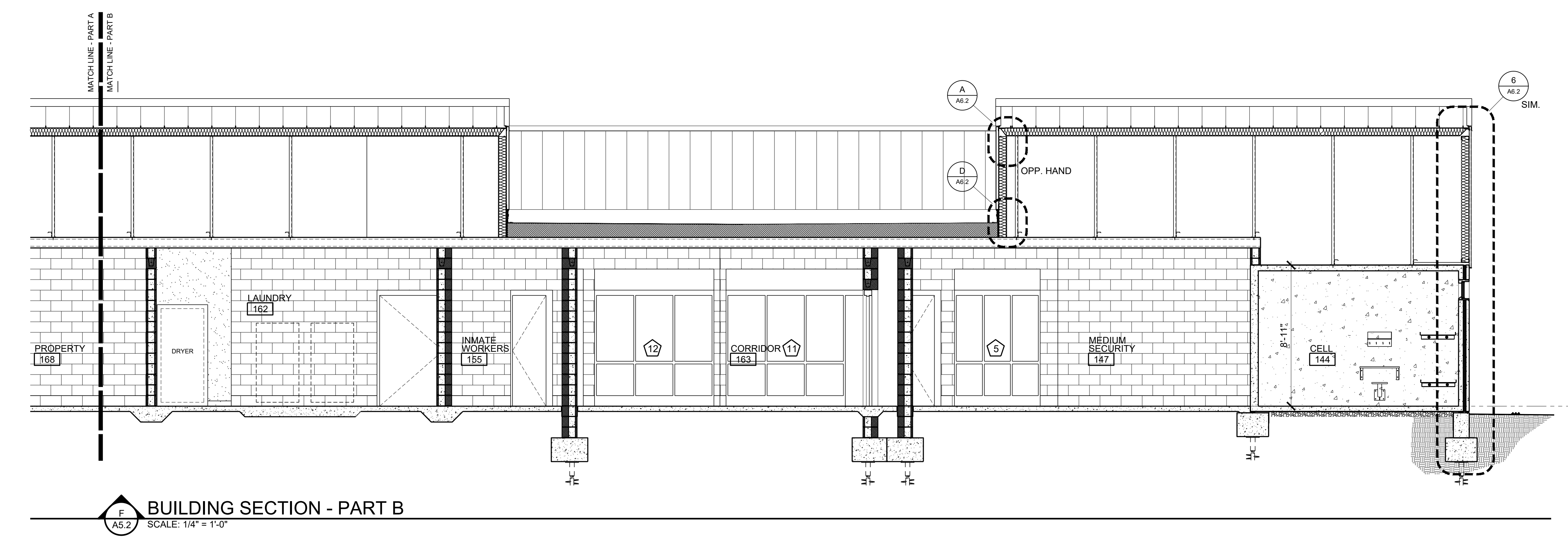
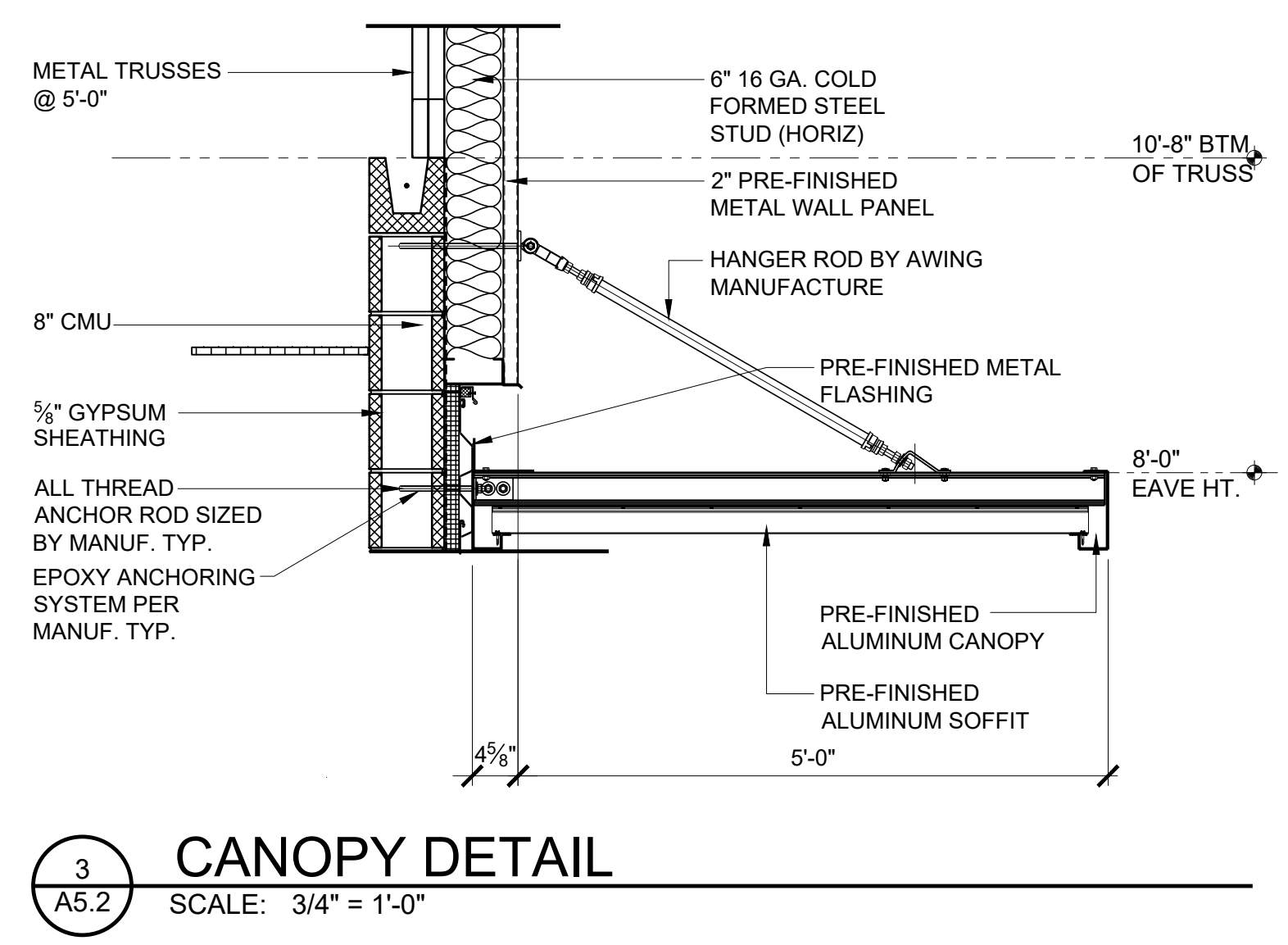
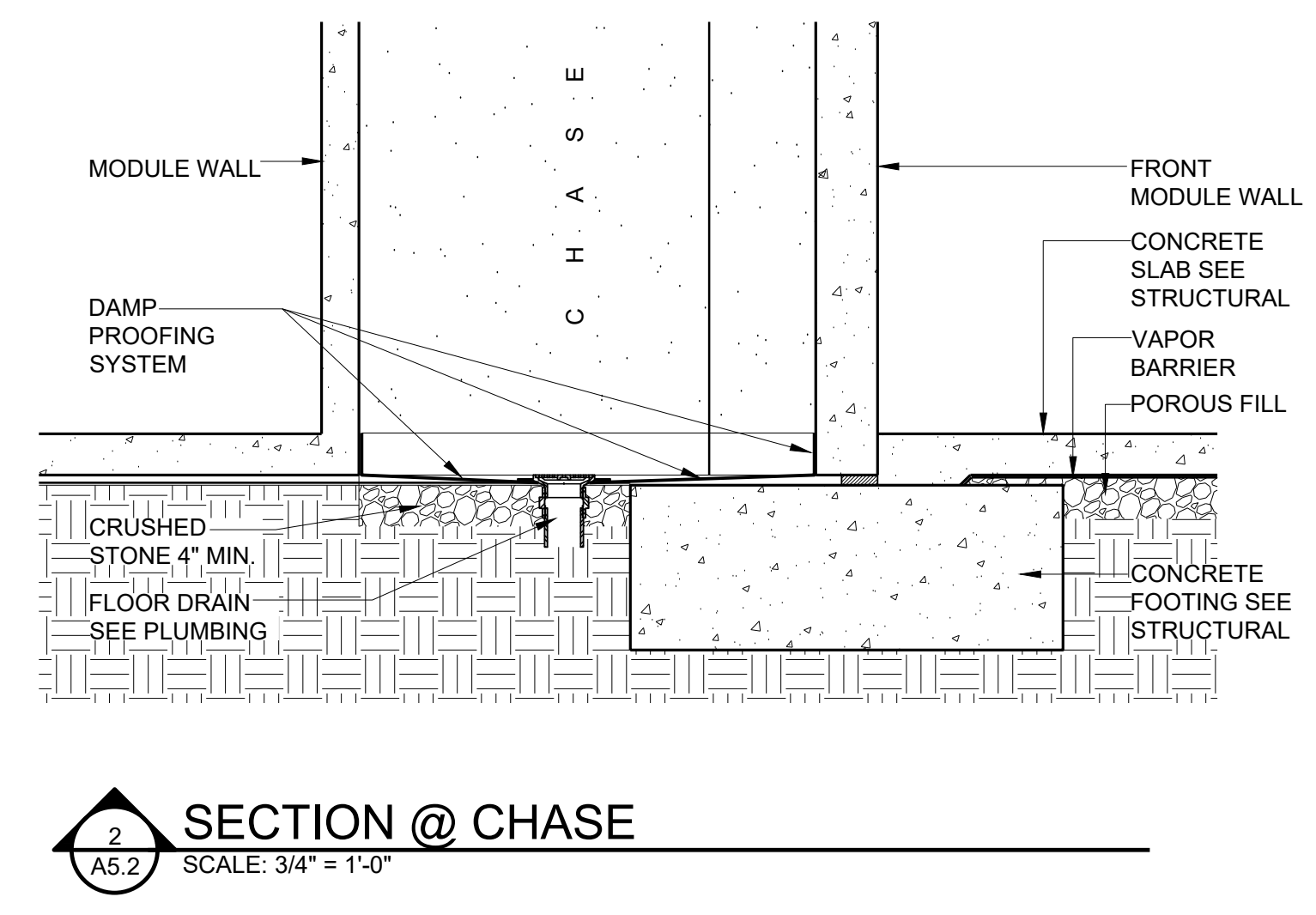
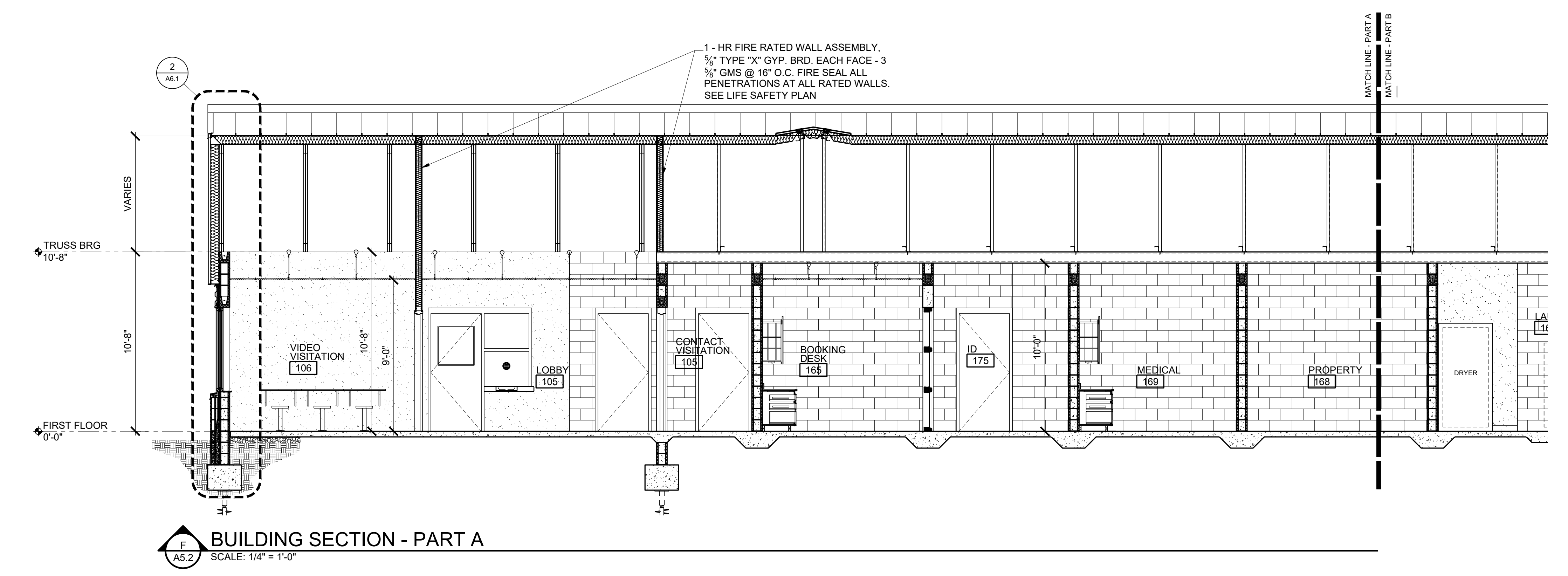
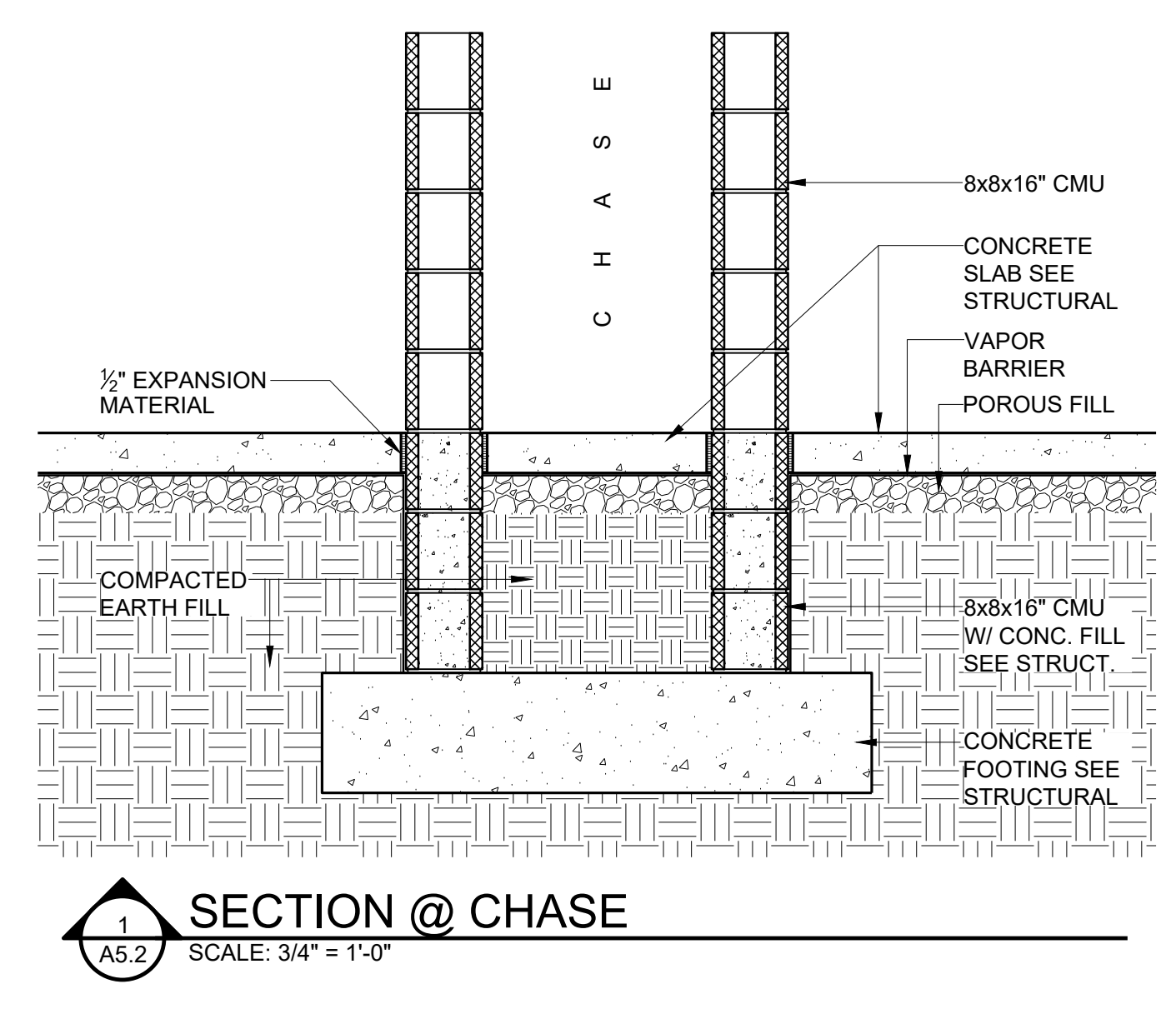
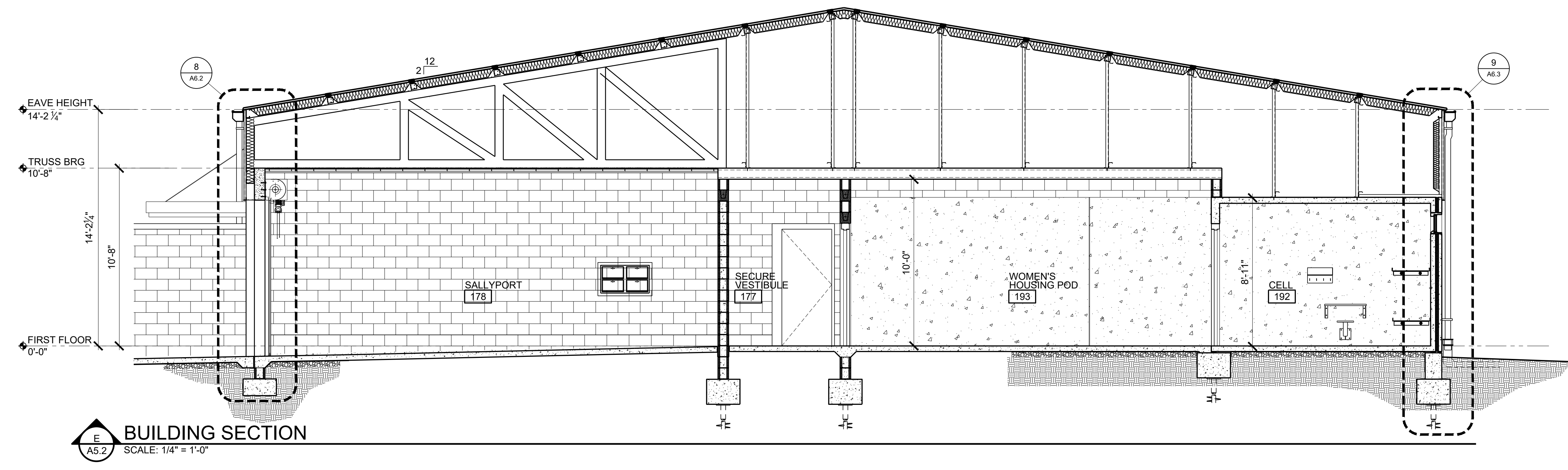
Project Number: 22-1189
 Date: 30 MAY 2024
 Revisions:

Sheet Description

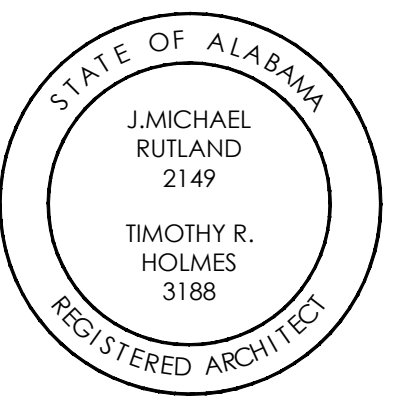
**BUILDING
 SECTIONS**

Sheet Number

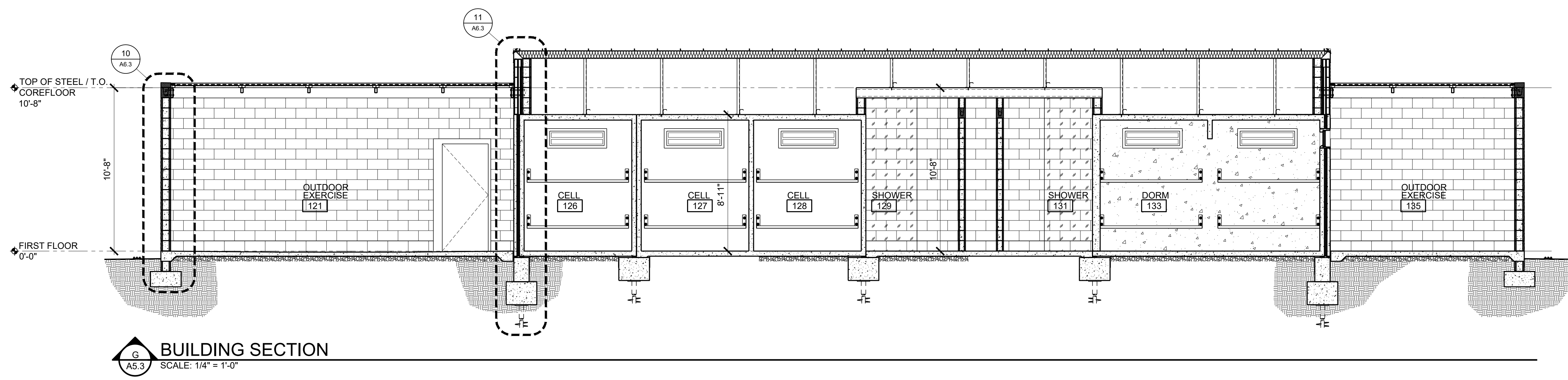
A5.2



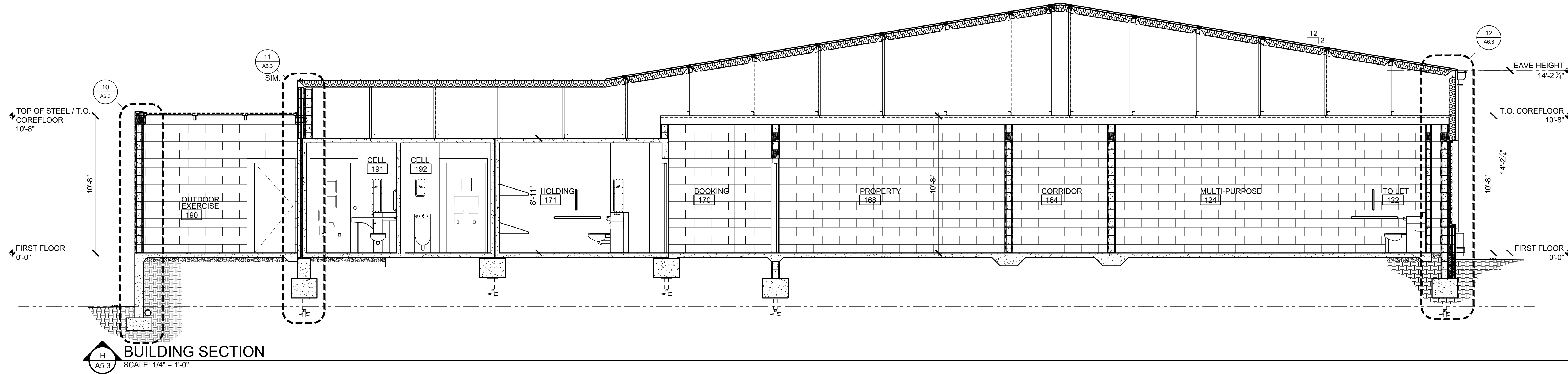
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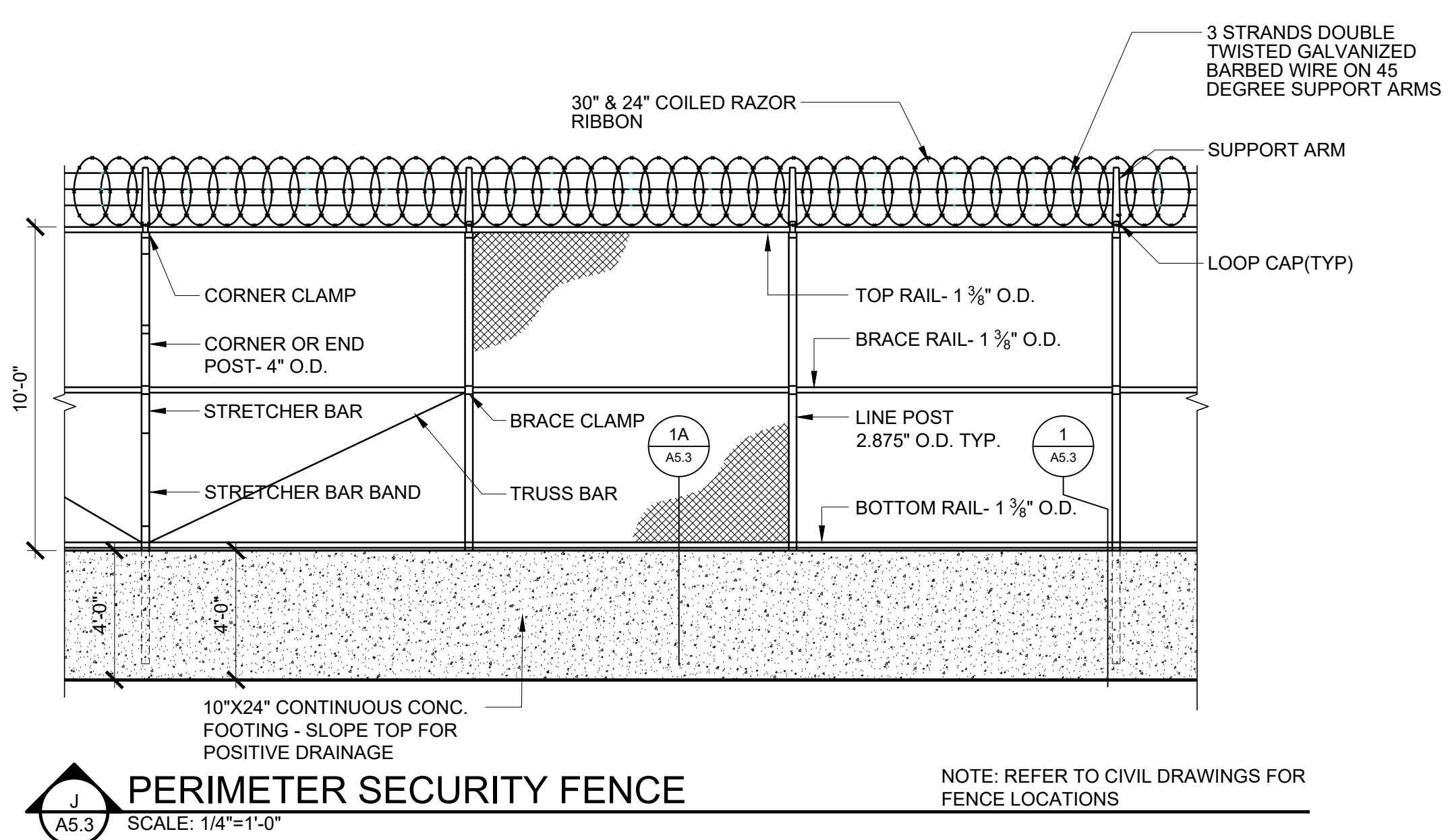
**CHOCTAW COUNTY JAIL
BUTLER,
ALABAMA**



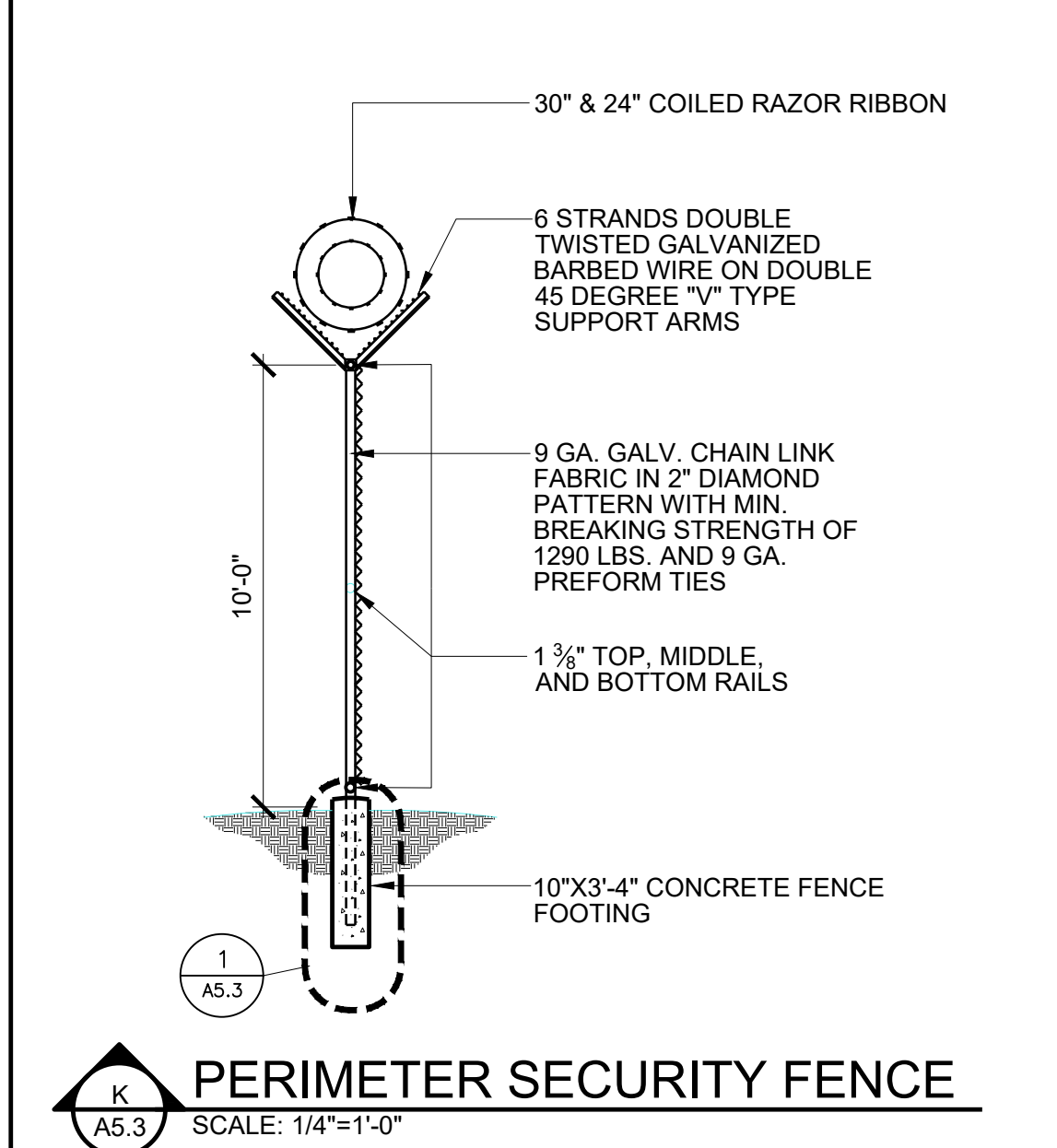
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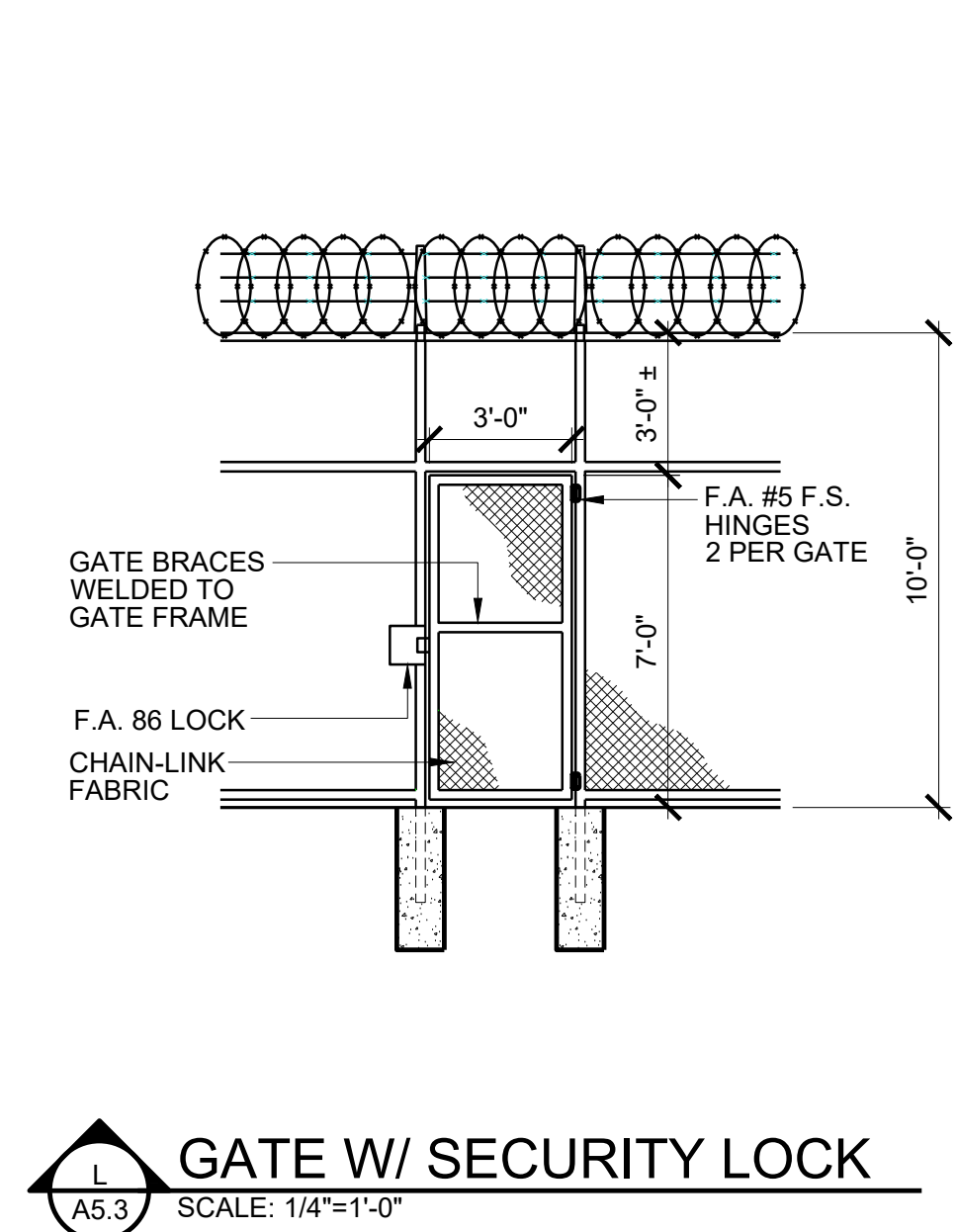
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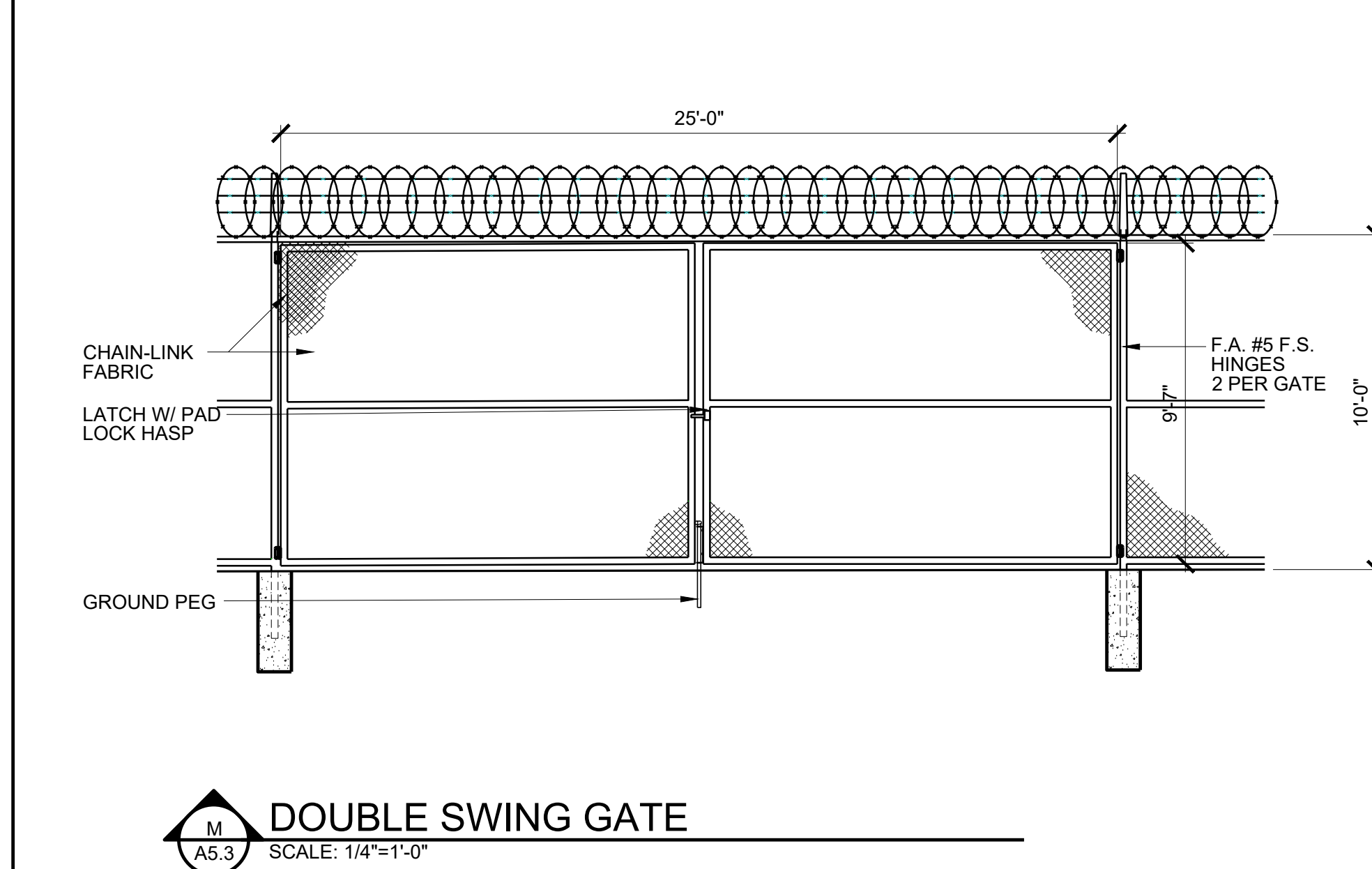
PERIMETER SECURITY FENCE
SCALE: 1/4" = 1'-0"



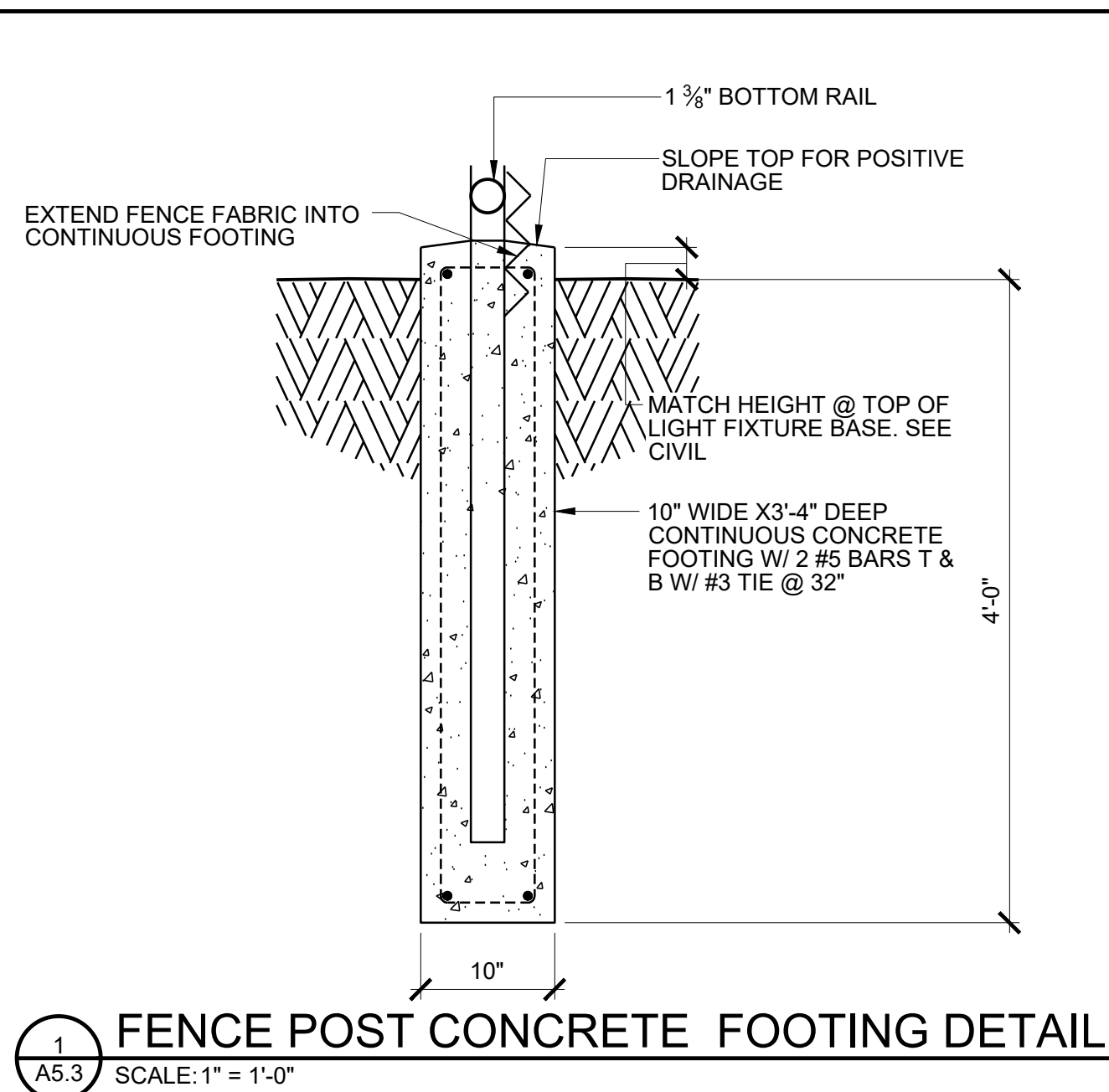
PERIMETER SECURITY FENCE
SCALE: 1/4" = 1'-0"



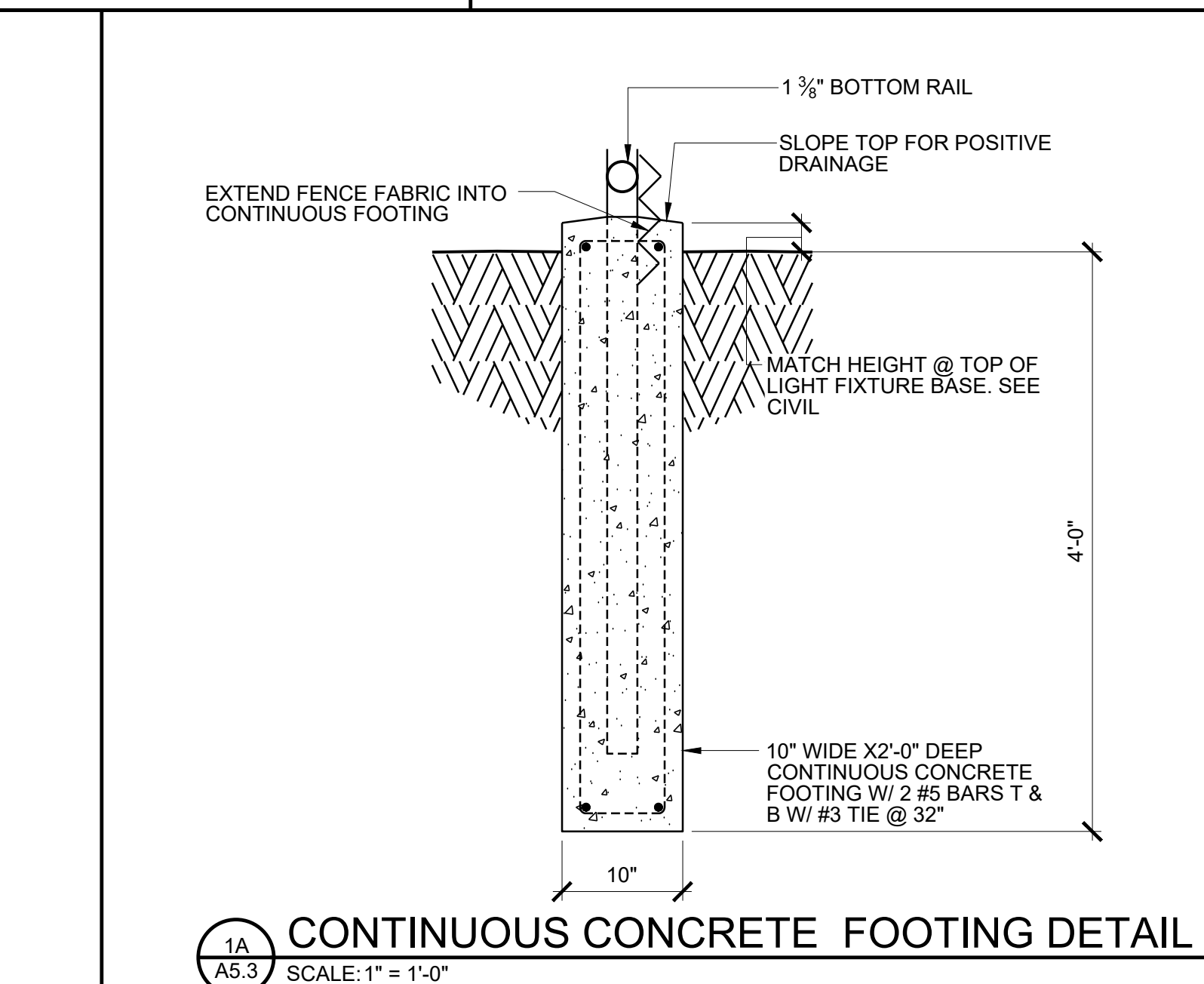
GATE W/ SECURITY LOCK
SCALE: 1/4" = 1'-0"



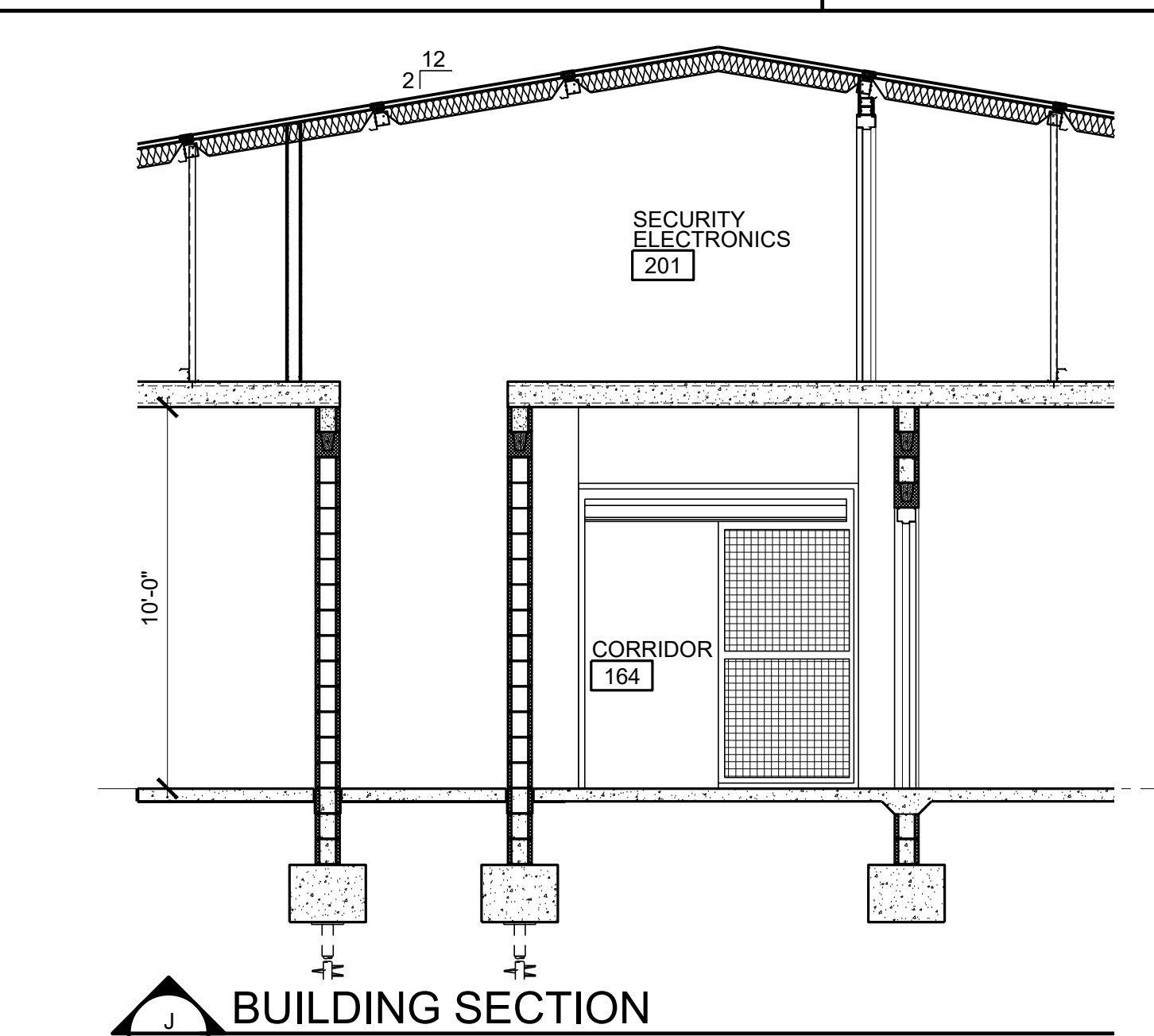
DOUBLE SWING GATE
SCALE: 1/4" = 1'-0"



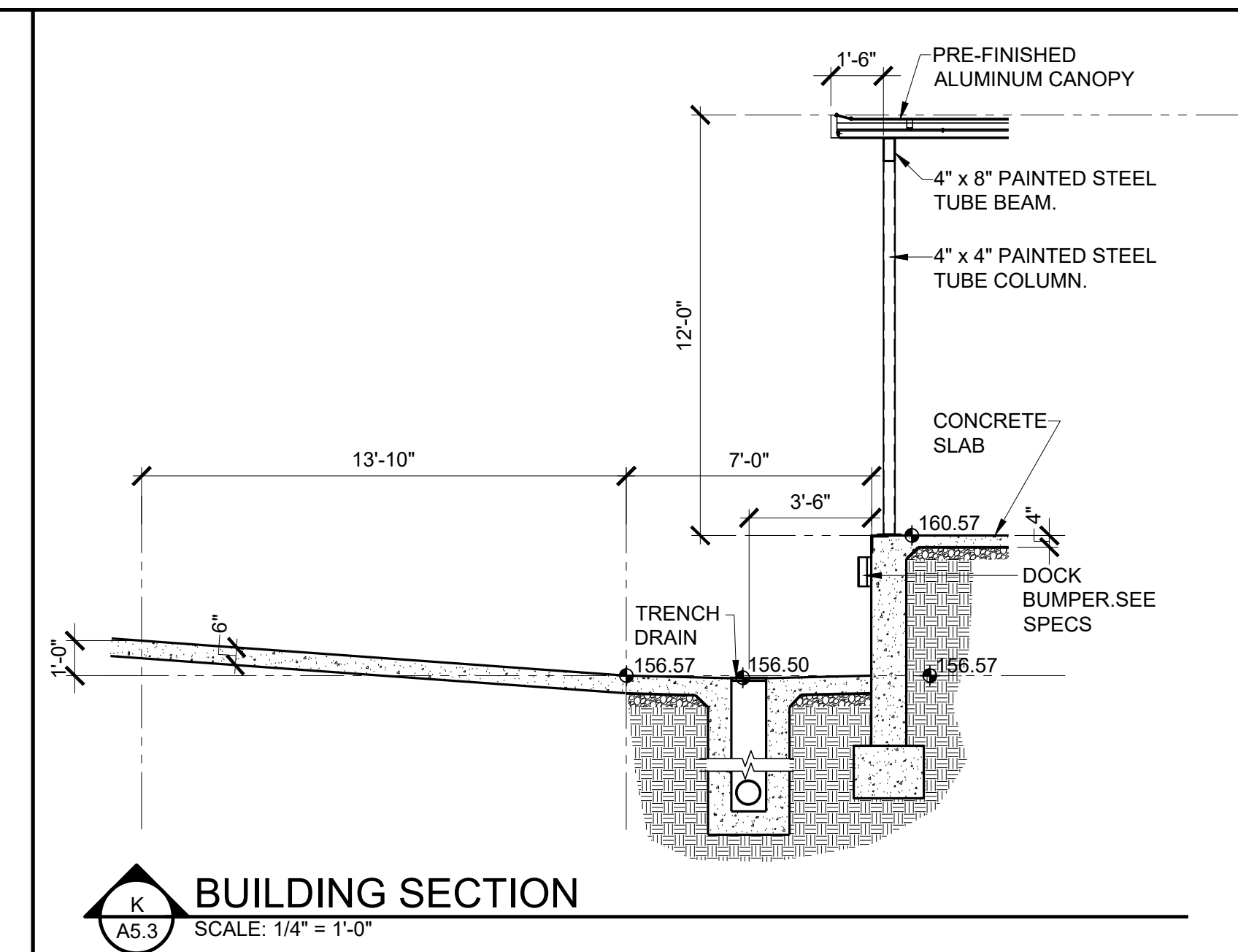
FENCE POST CONCRETE FOOTING DETAIL
SCALE: 1" = 1'-0"



CONTINUOUS CONCRETE FOOTING DETAIL
SCALE: 1" = 1'-0"



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



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

CONSTRUCTION DOCUMENTS

Project Number: 22-1189
Date: 30 MAY 2024
Revisions:

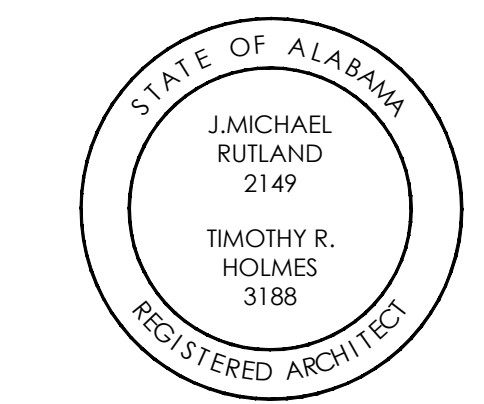
BUILDING SECTIONS & FENCE DETAILS

Sheet Number

A5.3

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PRINTED: 6/14/2024 @ 5:01 PM



**CHOCTAW COUNTY JAIL
 BUTLER, ALABAMA**

CONSTRUCTION DOCUMENTS

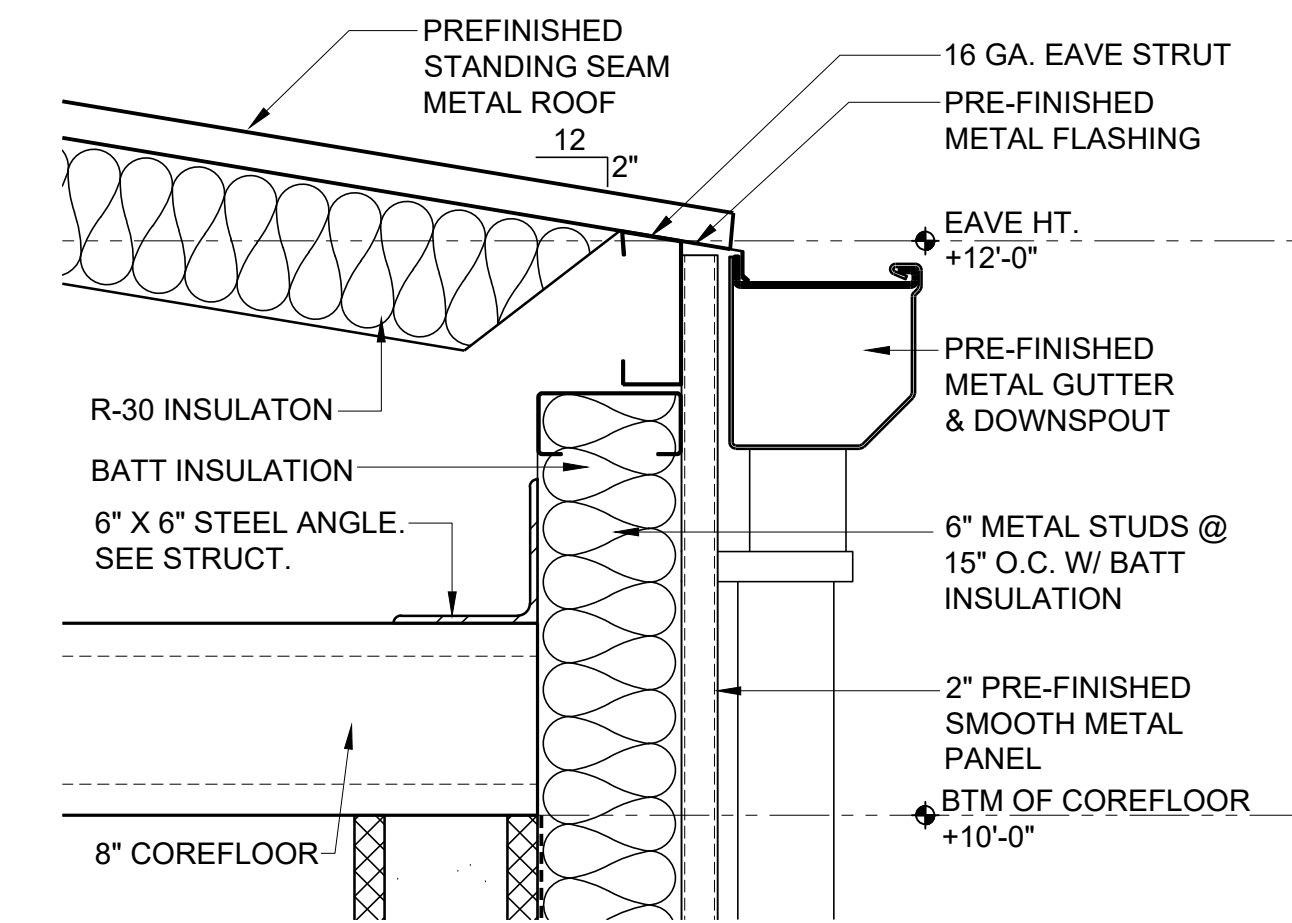
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 Date: 30 MAY 2024
 Revisions:

Sheet Description

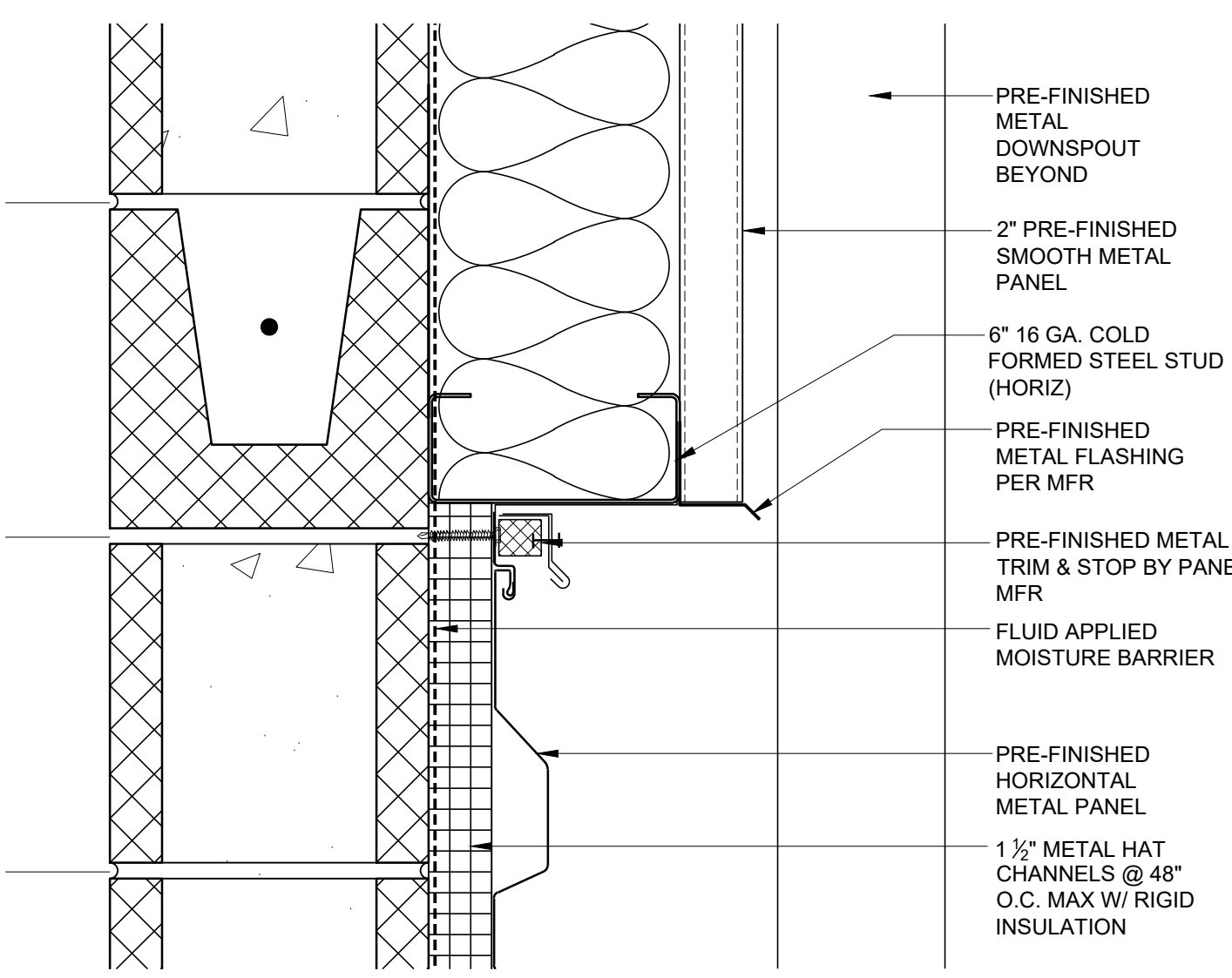
WALL SECTIONS

Sheet Number

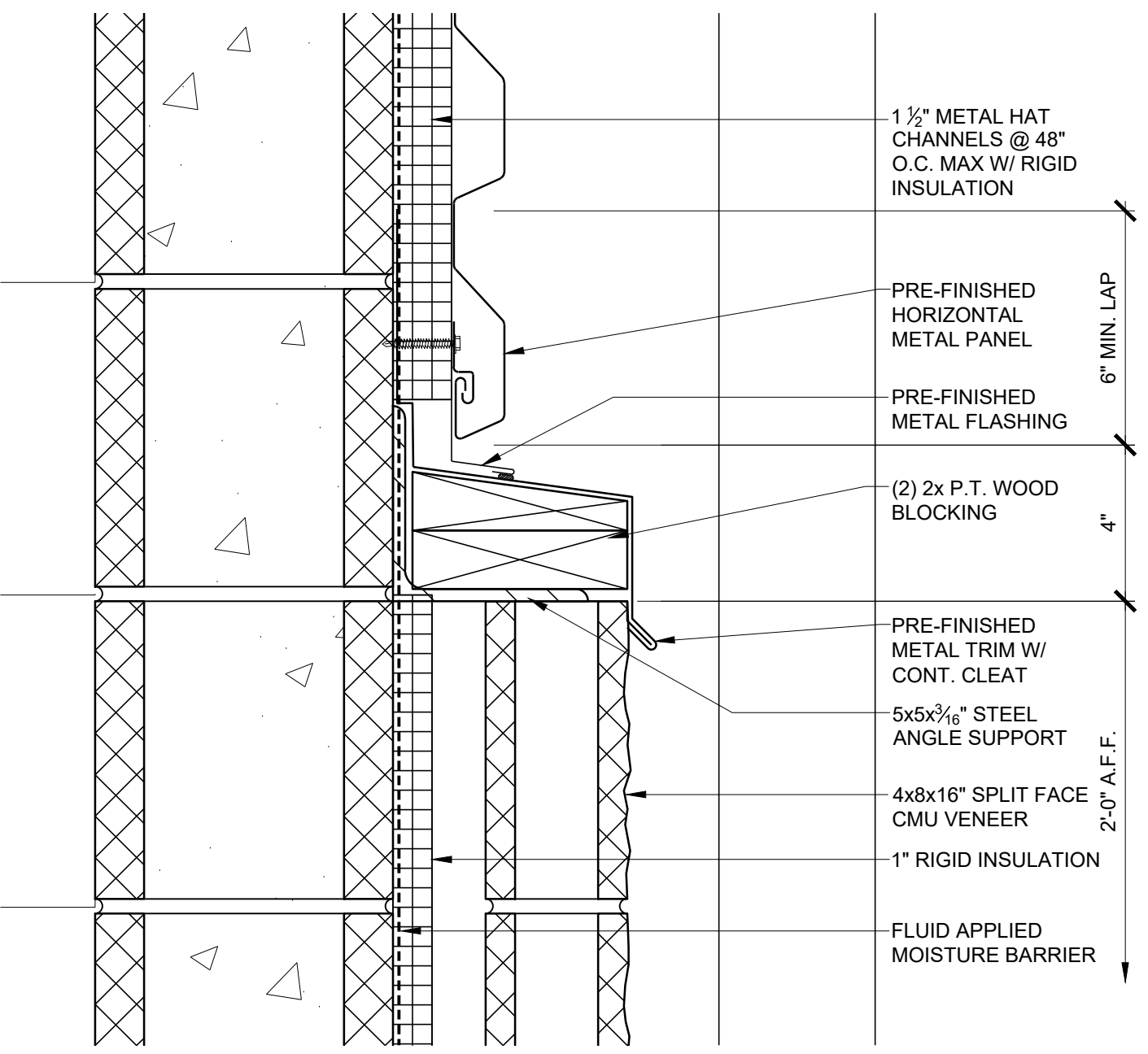
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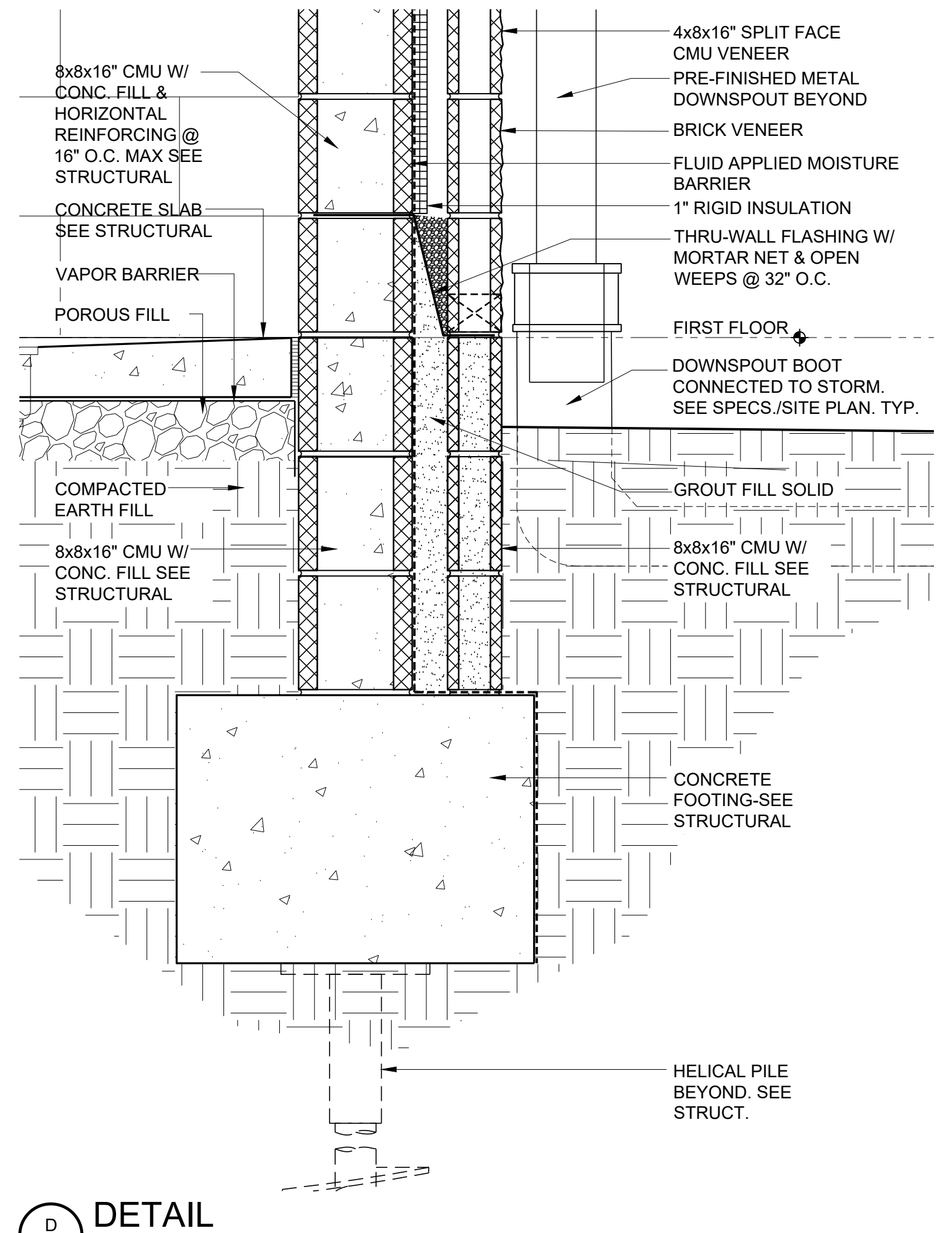
A EAVE DETAIL
 SCALE: 1 1/2" = 1'-0"



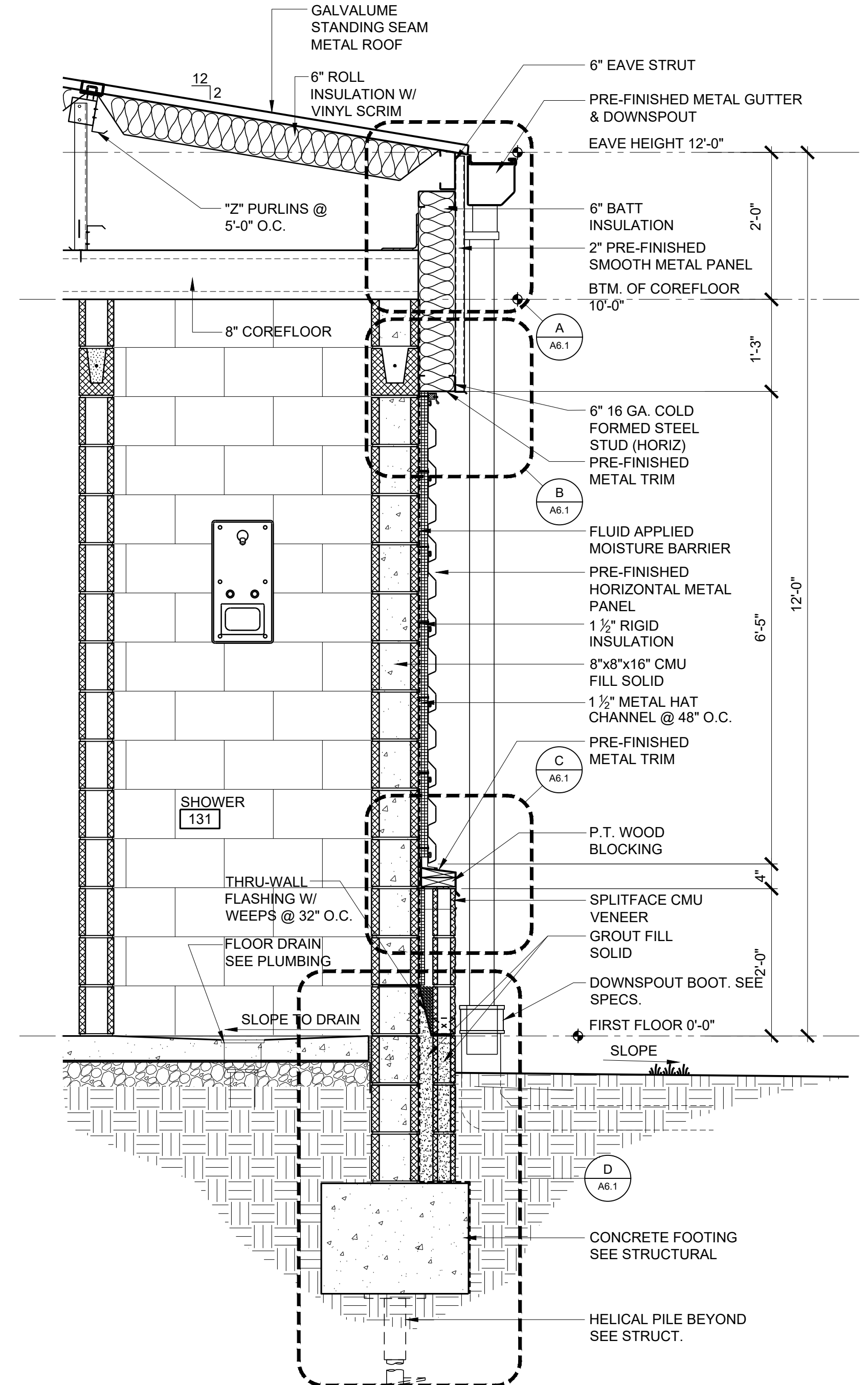
B DETAIL
 SCALE: 3" = 1'-0"



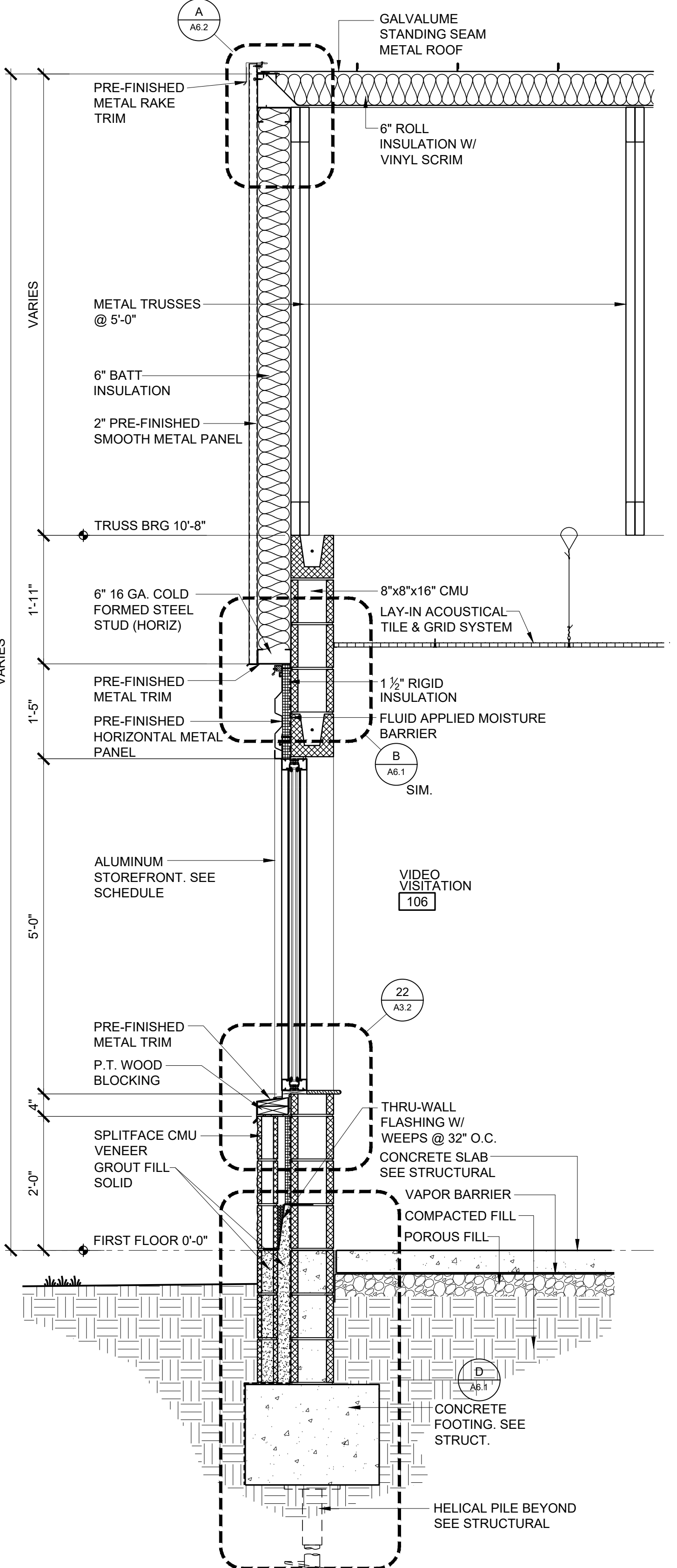
C DETAIL
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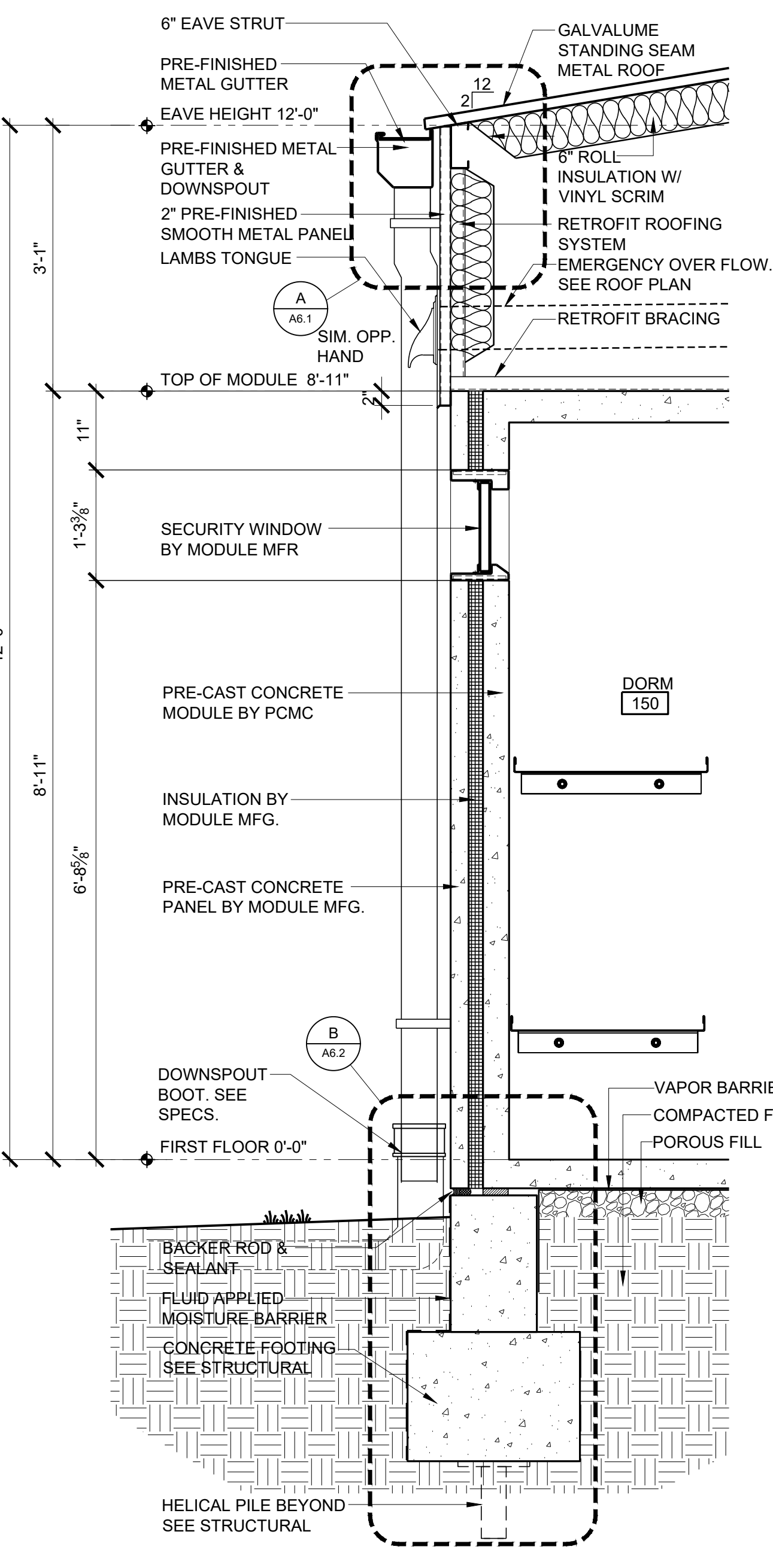
D DETAIL
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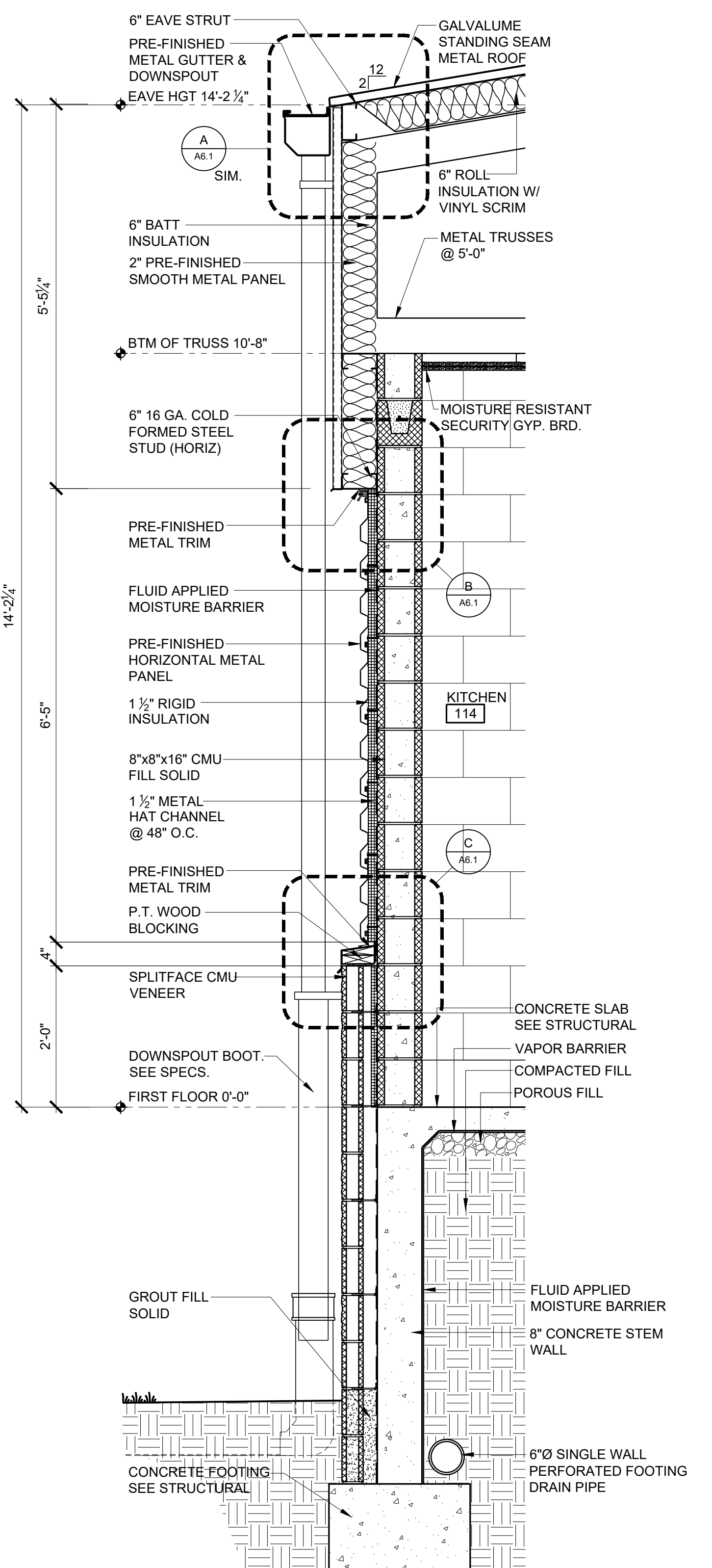
1 WALL SECTION
 SCALE: 3/4" = 1'-0"



2 WALL SECTION
 SCALE: 3/4" = 1'-0"

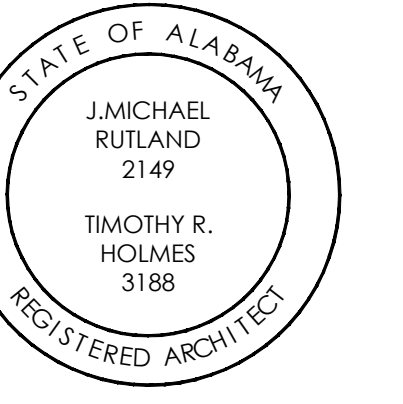


3 WALL SECTION
 SCALE: 3/4" = 1'-0"



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

PRINTED: 6/14/2024 @ 5:04PM
 FILE NAME: W:\JMRH Projects 2022\22-1189 Choctaw County Jail\A6.1 - A6.4 Wall Sections.dwg



**CHOCTAW COUNTY JAIL
 BUTLER,
 ALABAMA**

**CONSTRUCTION
 DOCUMENTS**

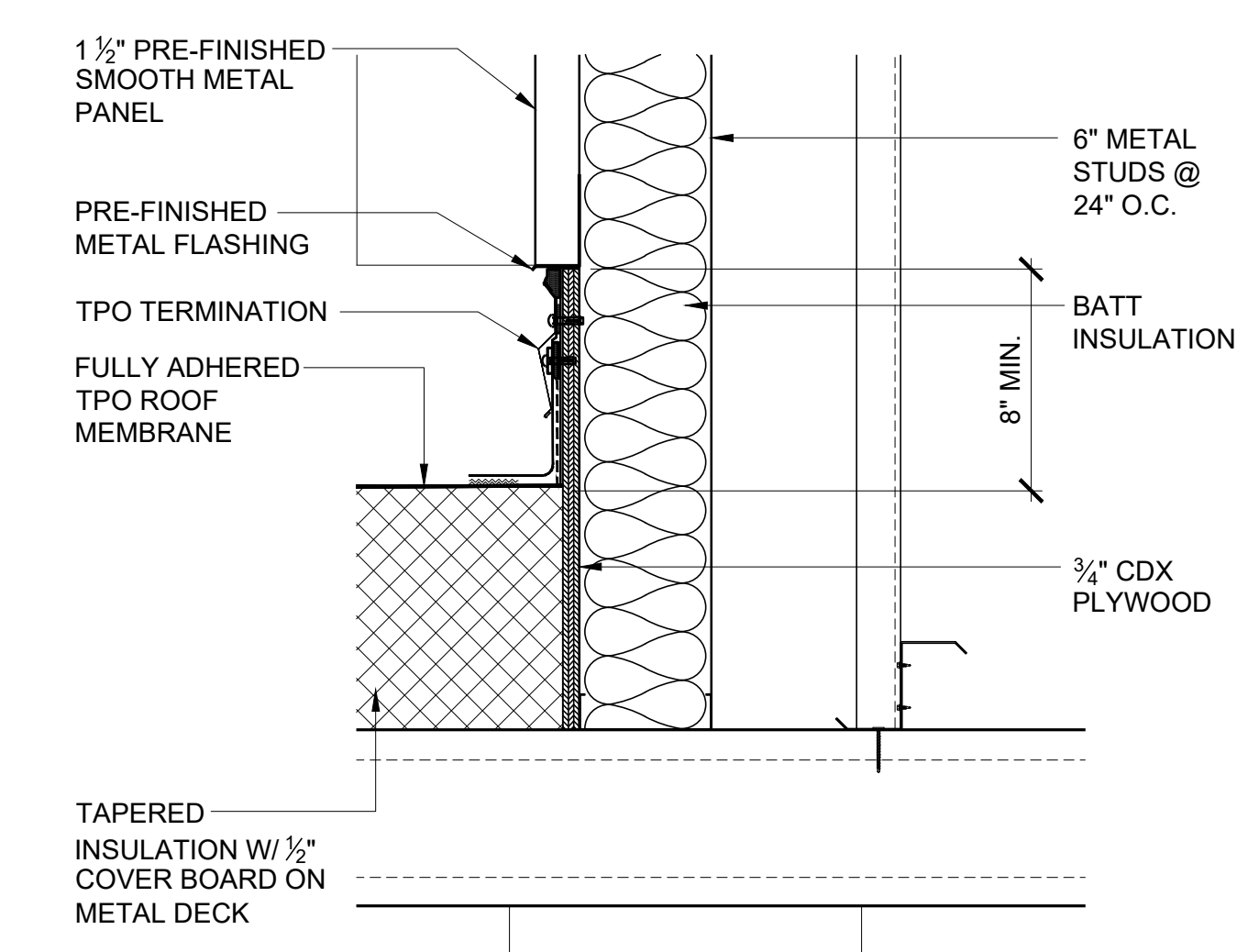
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 Date: 30 MAY 2024
 Revisions:

Sheet Description

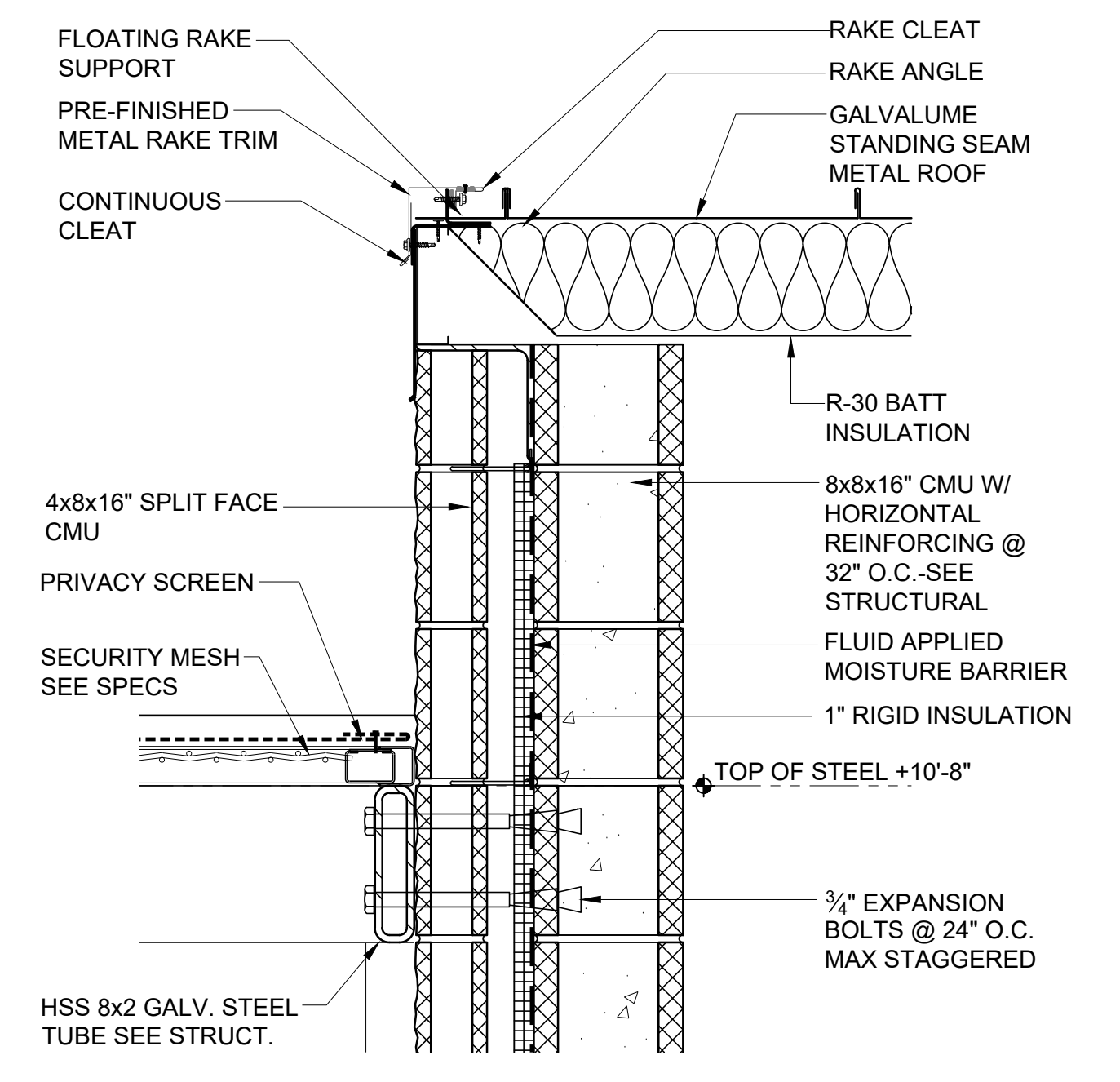
**WALL
 SECTIONS**

Sheet Number

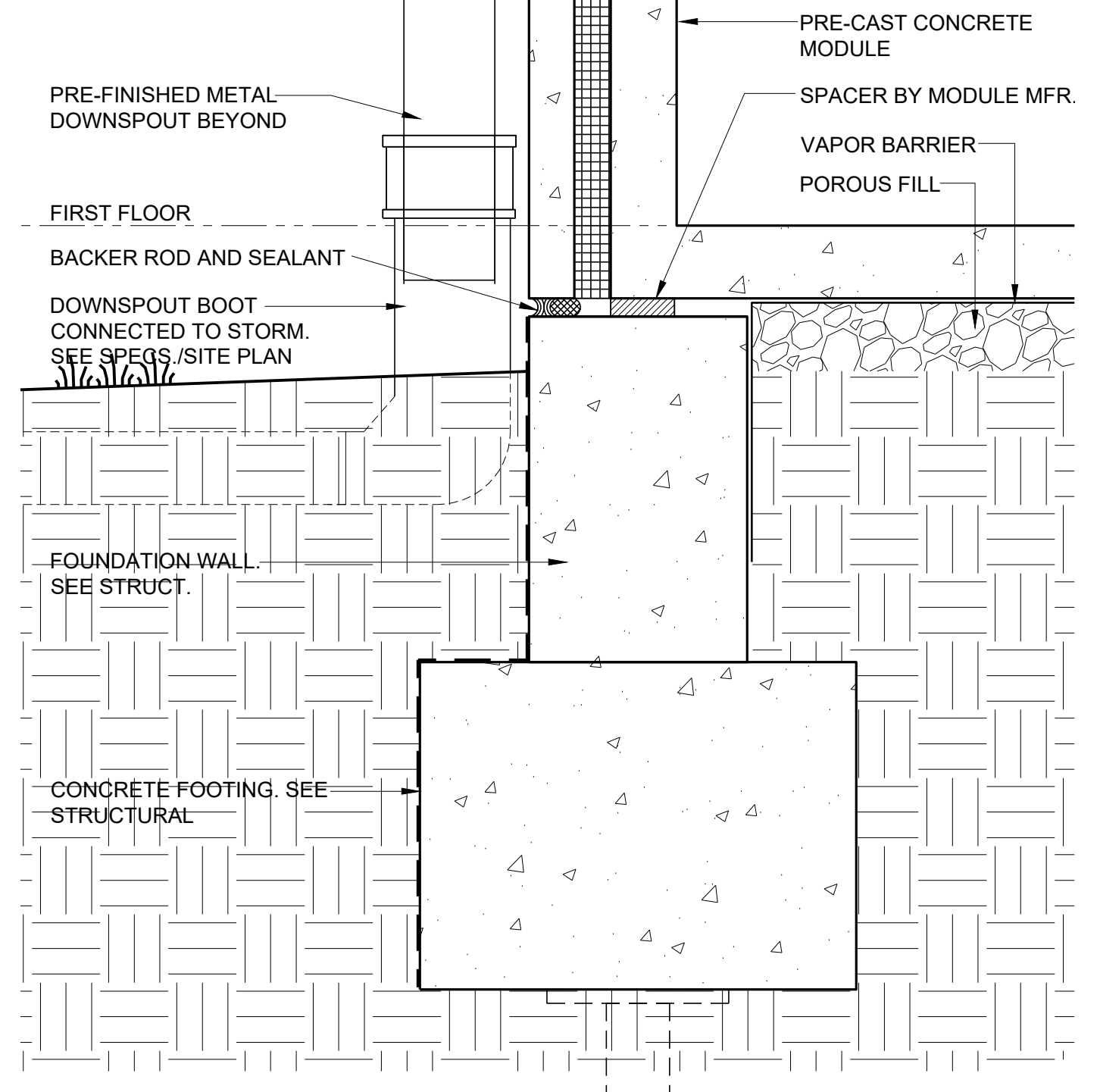
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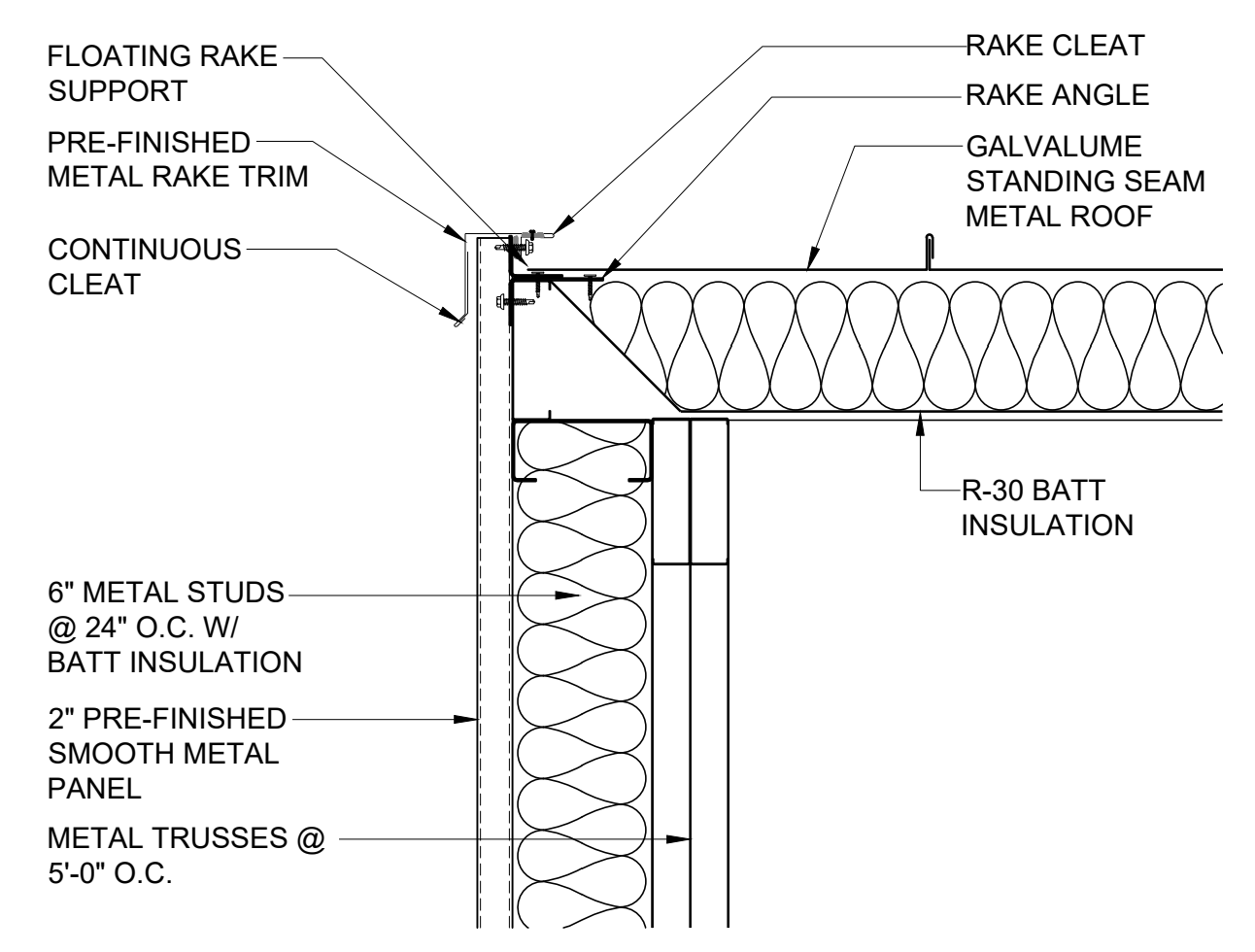
D
 DETAIL
 SCALE: 1 1/2" = 1'-0"



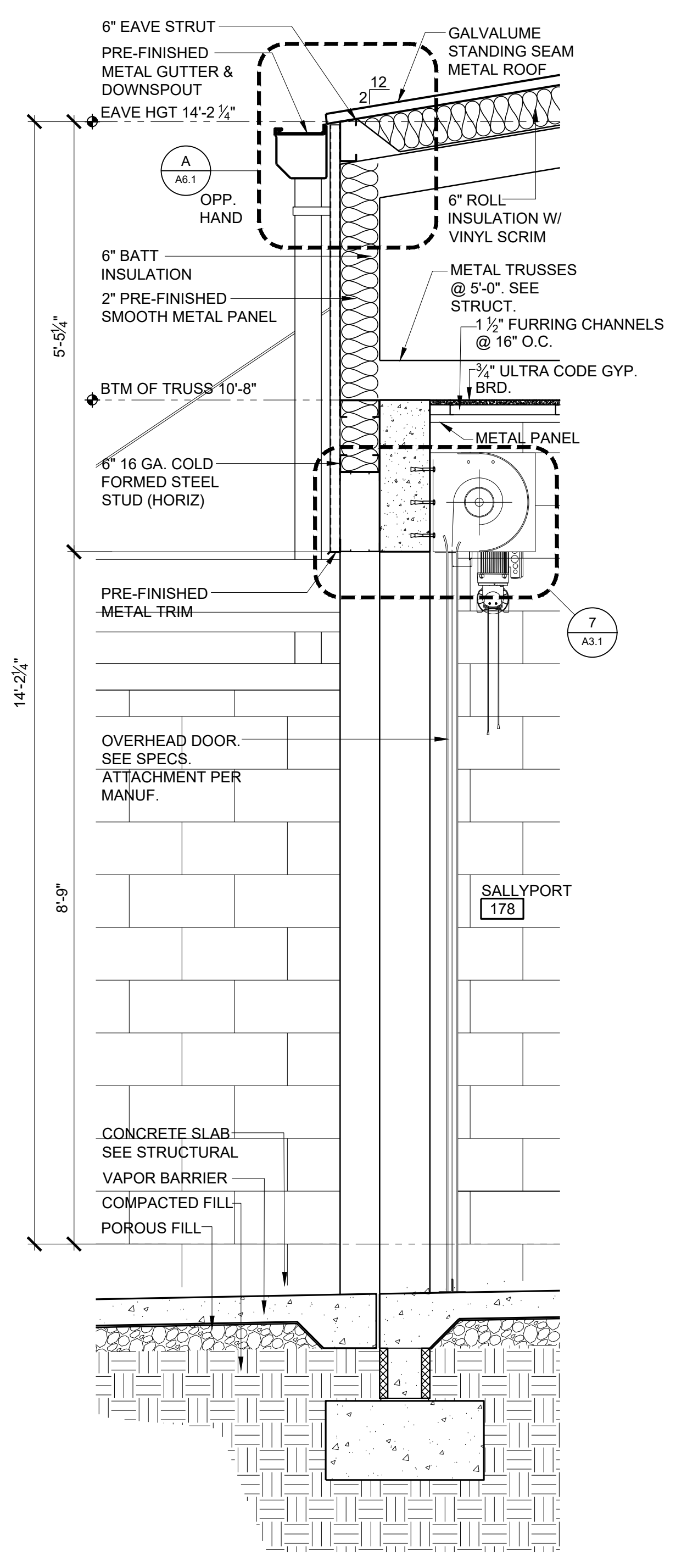
C
 DETAIL
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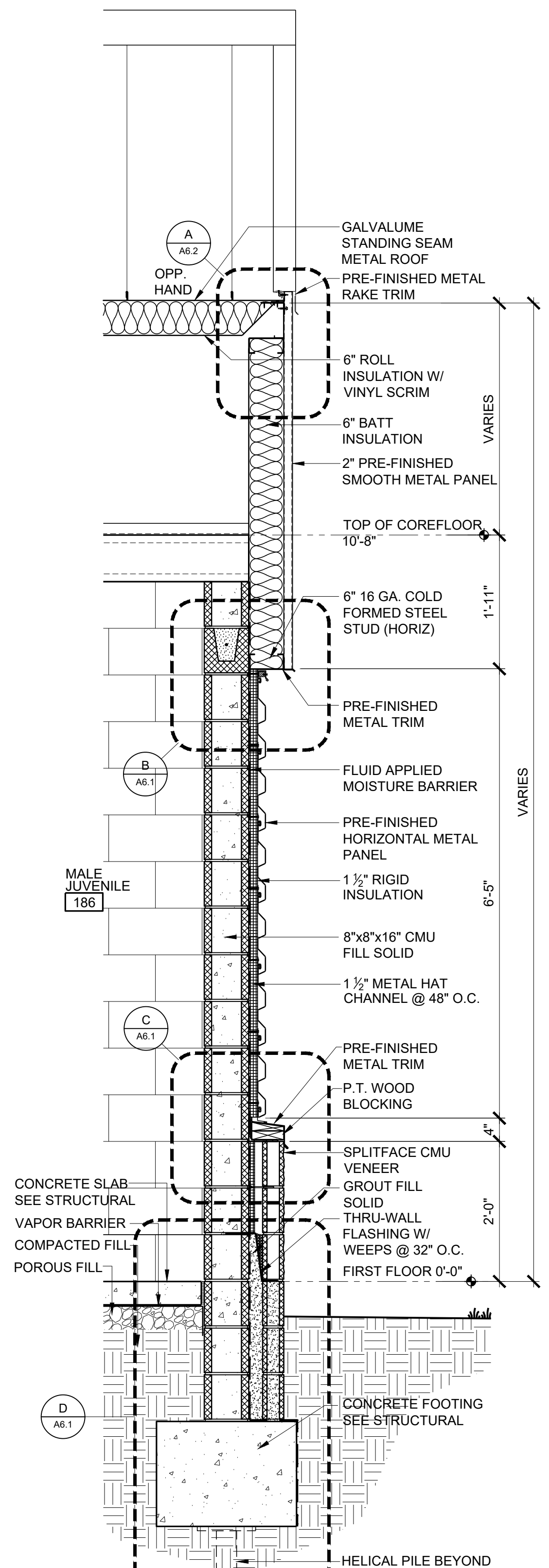
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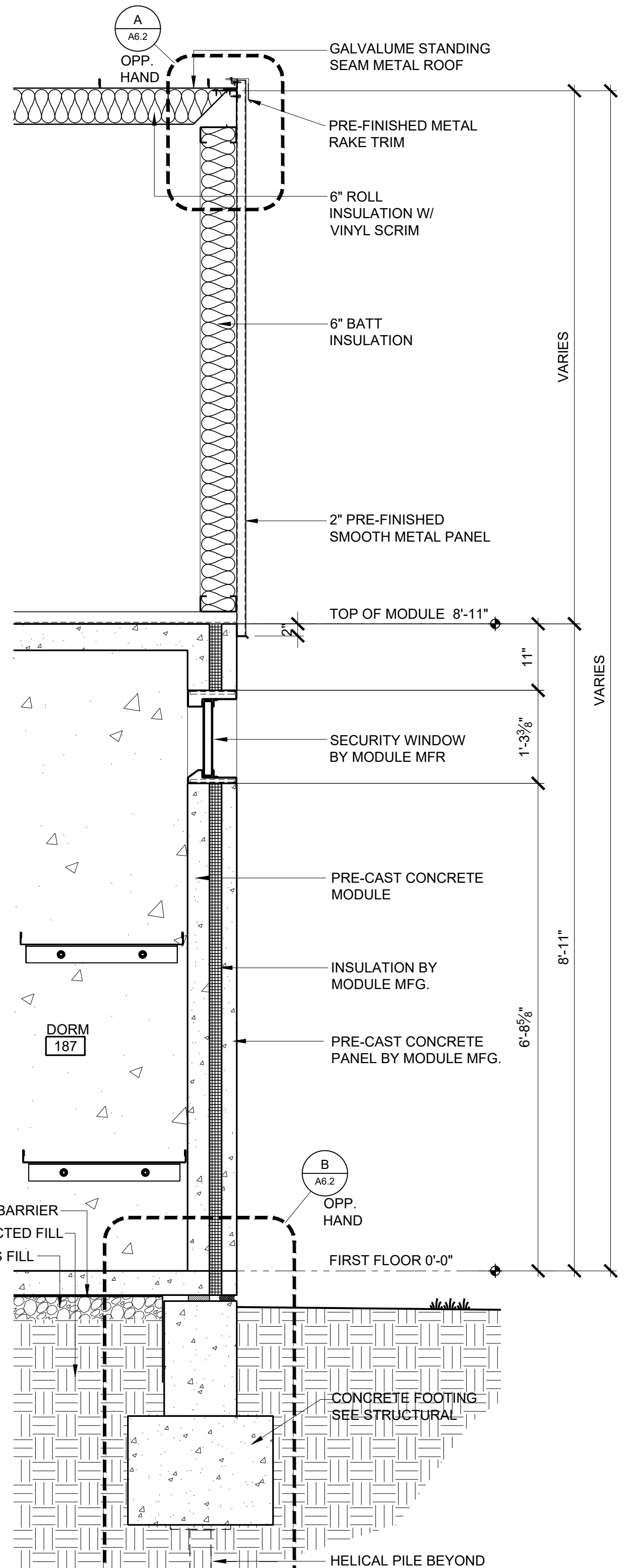
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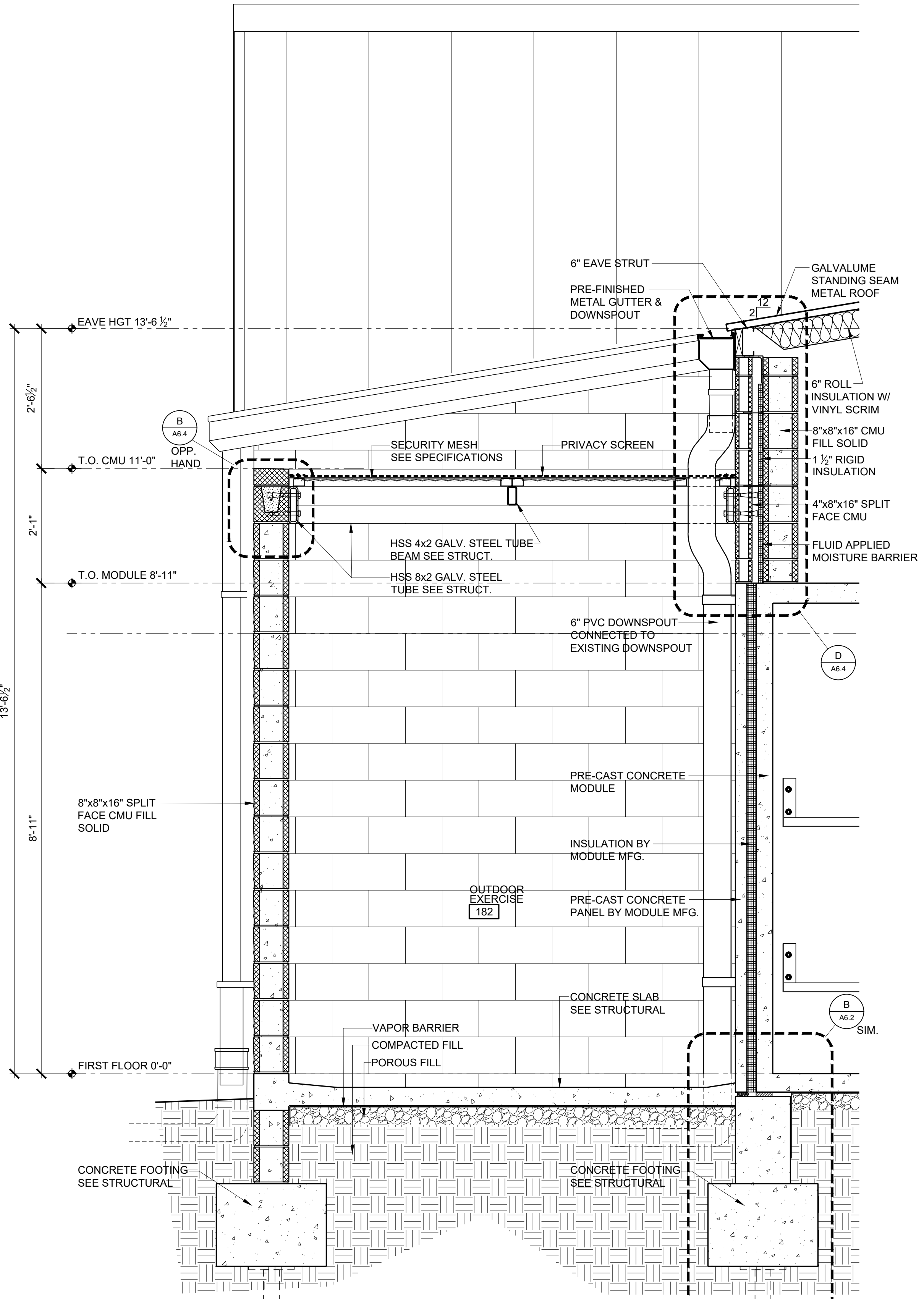
8
 WALL SECTION
 SCALE: 3/4" = 1'-0"



7
 WALL SECTION
 SCALE: 3/4" = 1'-0"

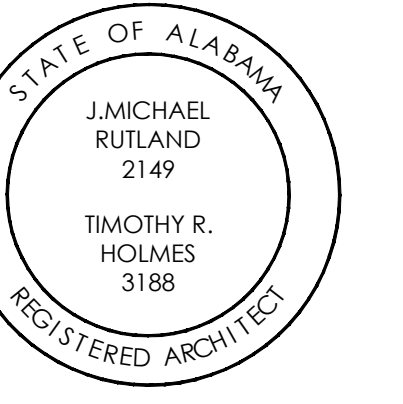


6
 WALL SECTION
 SCALE: 3/4" = 1'-0"

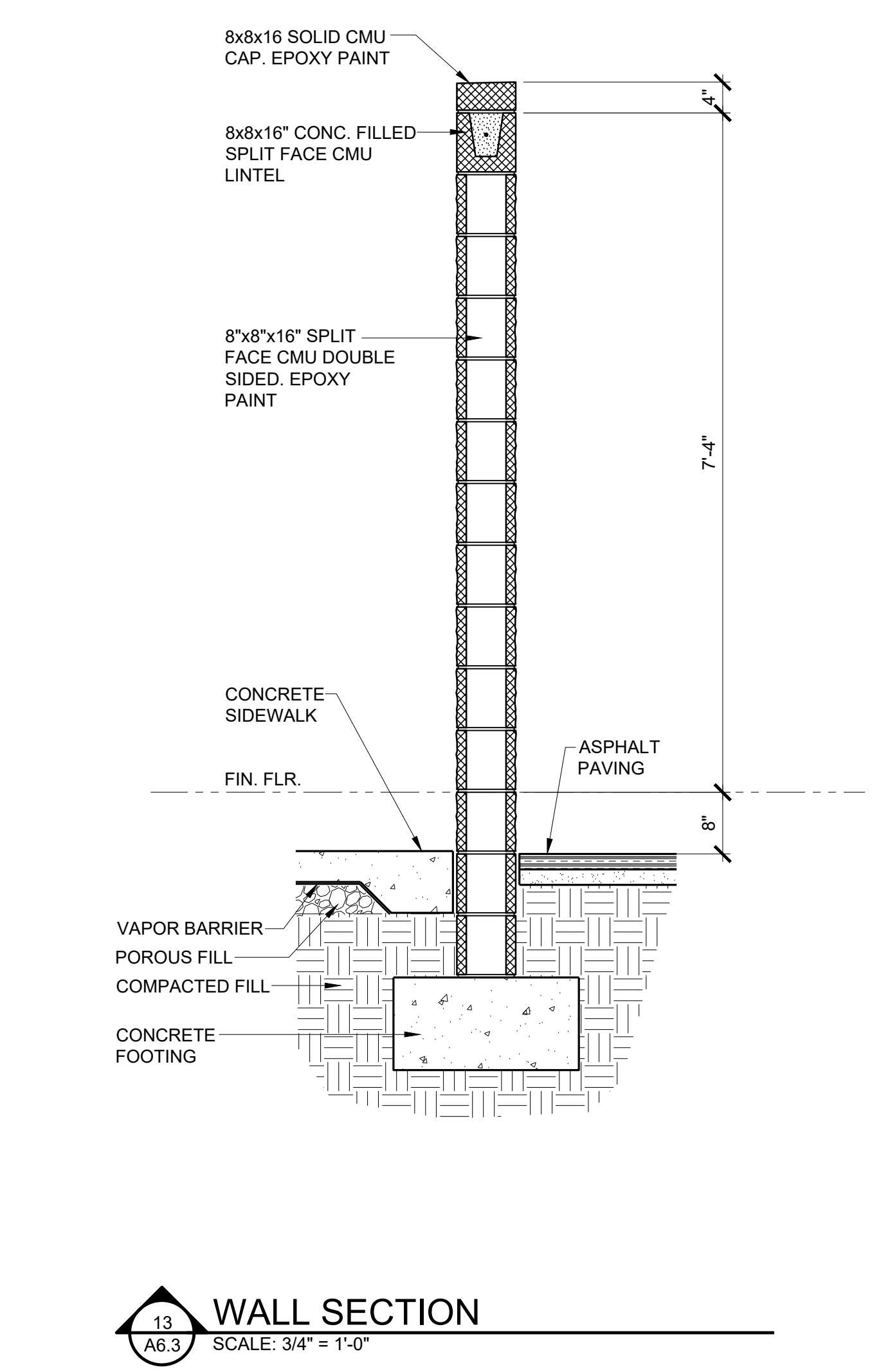
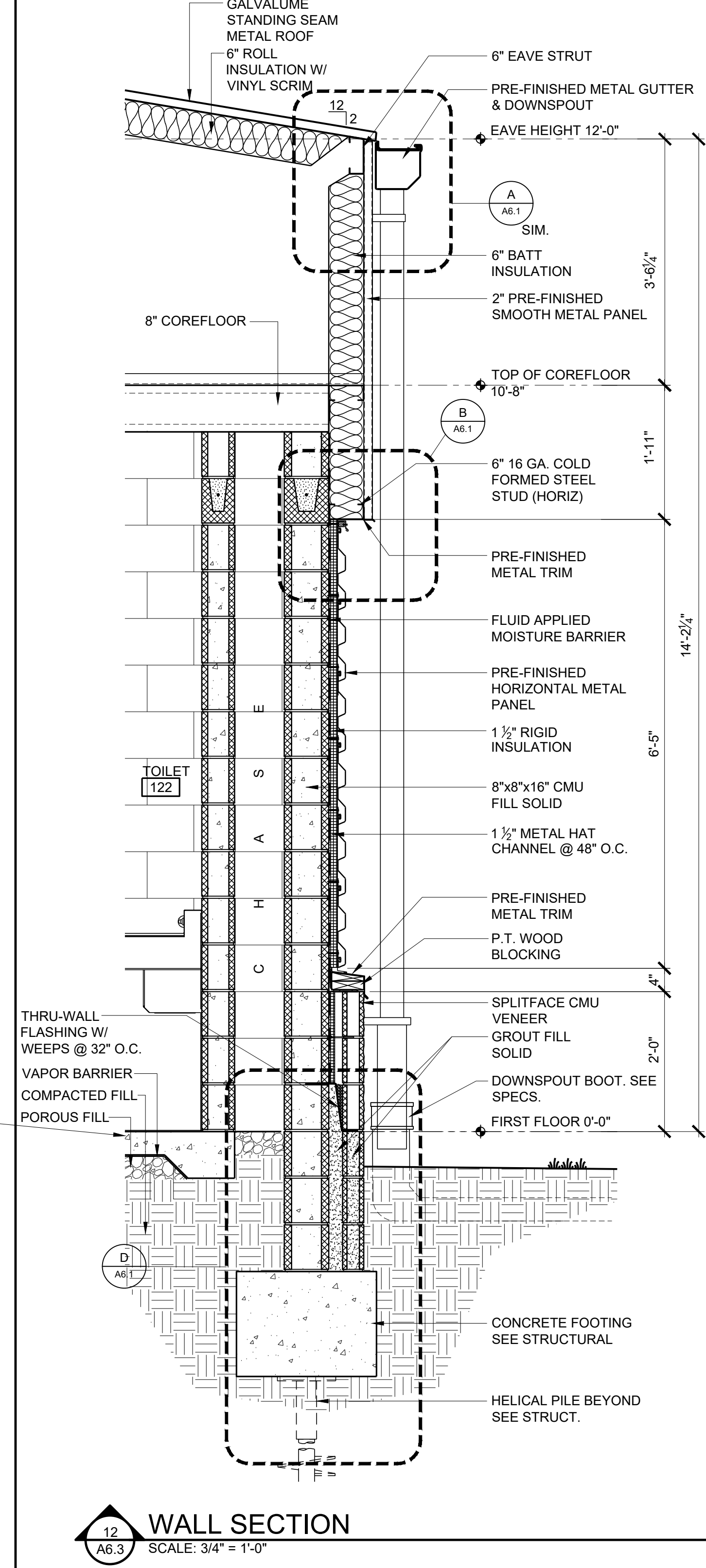
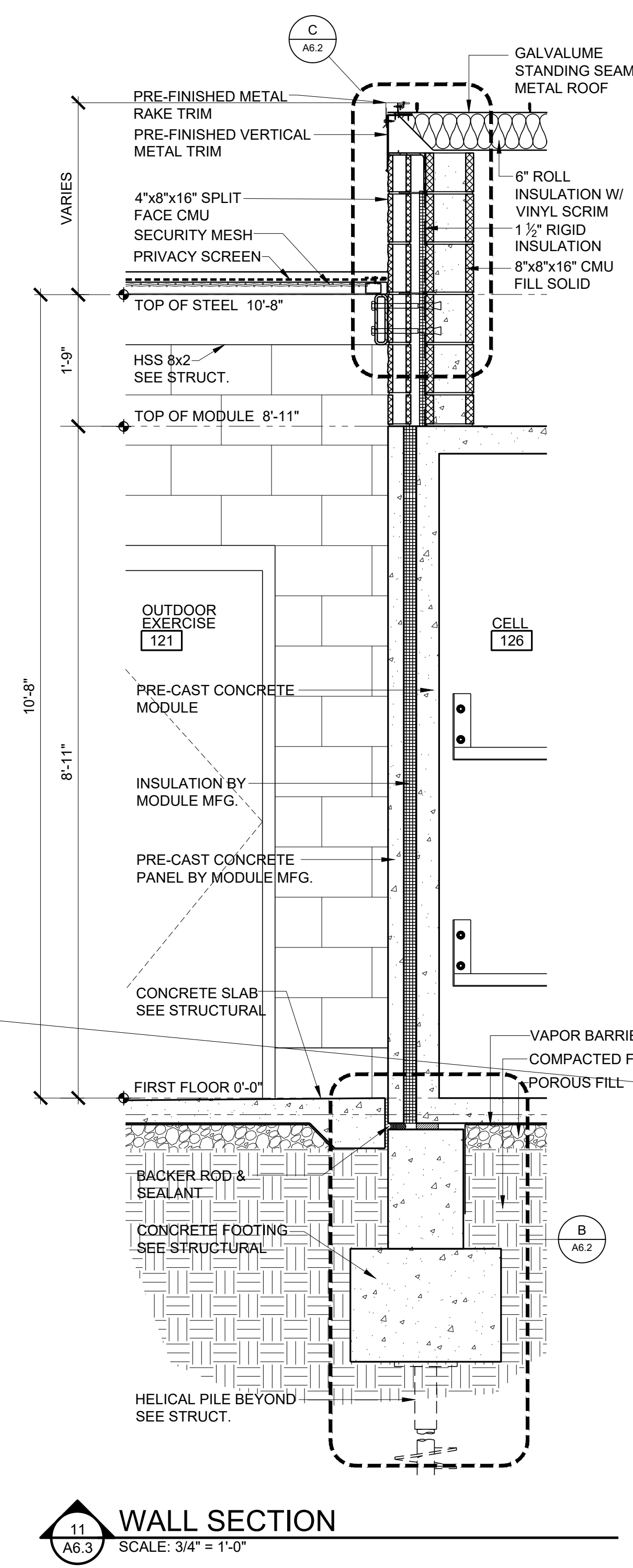
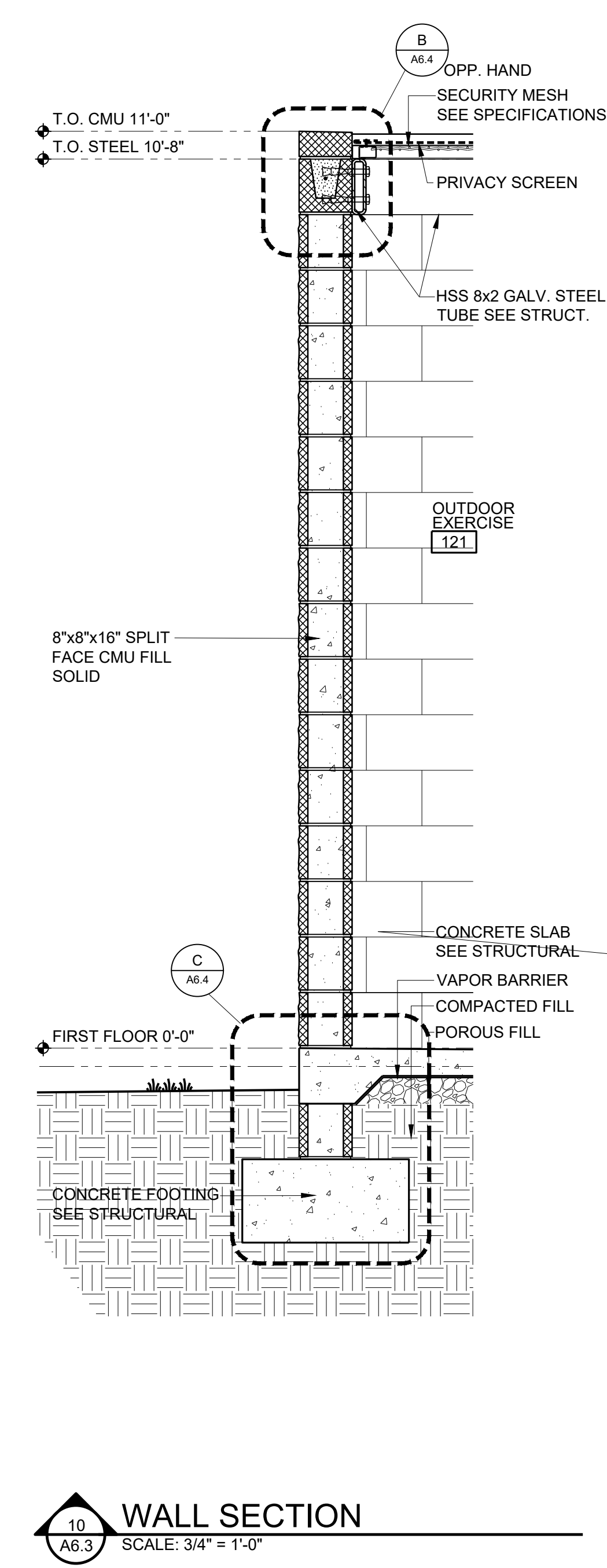
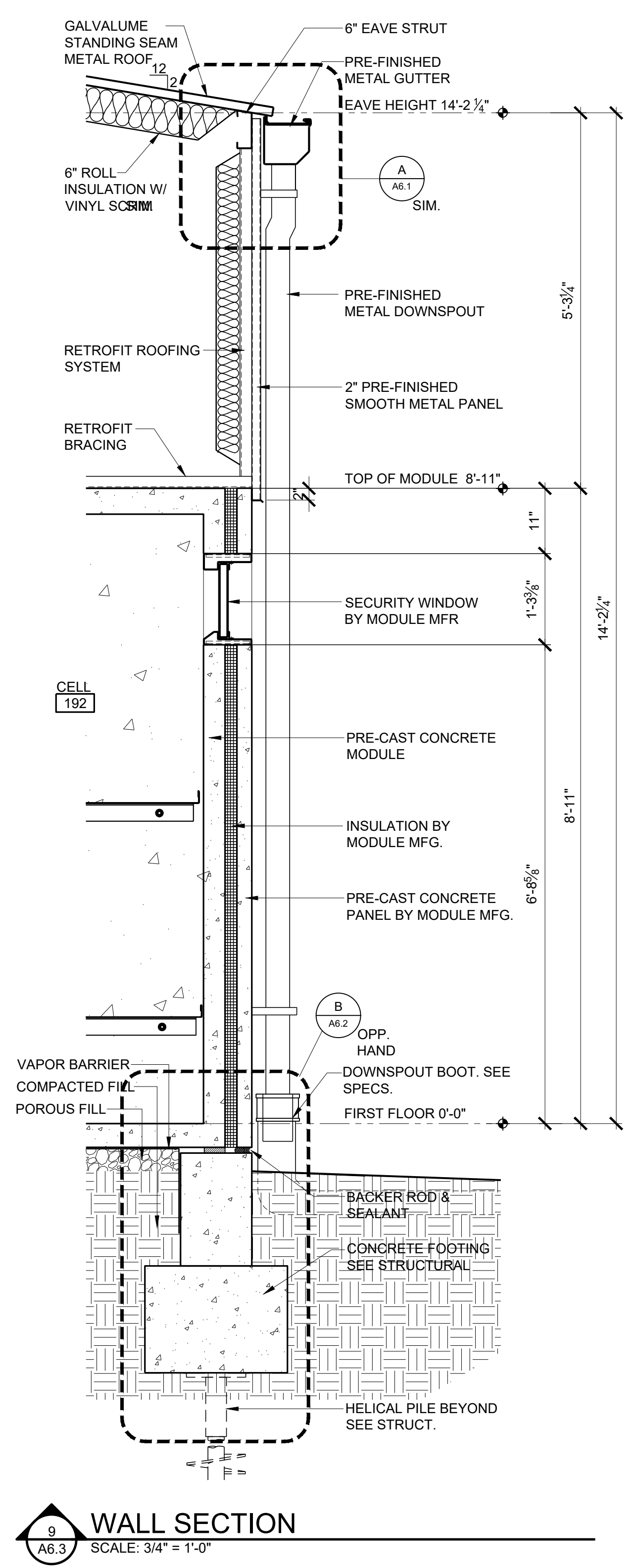
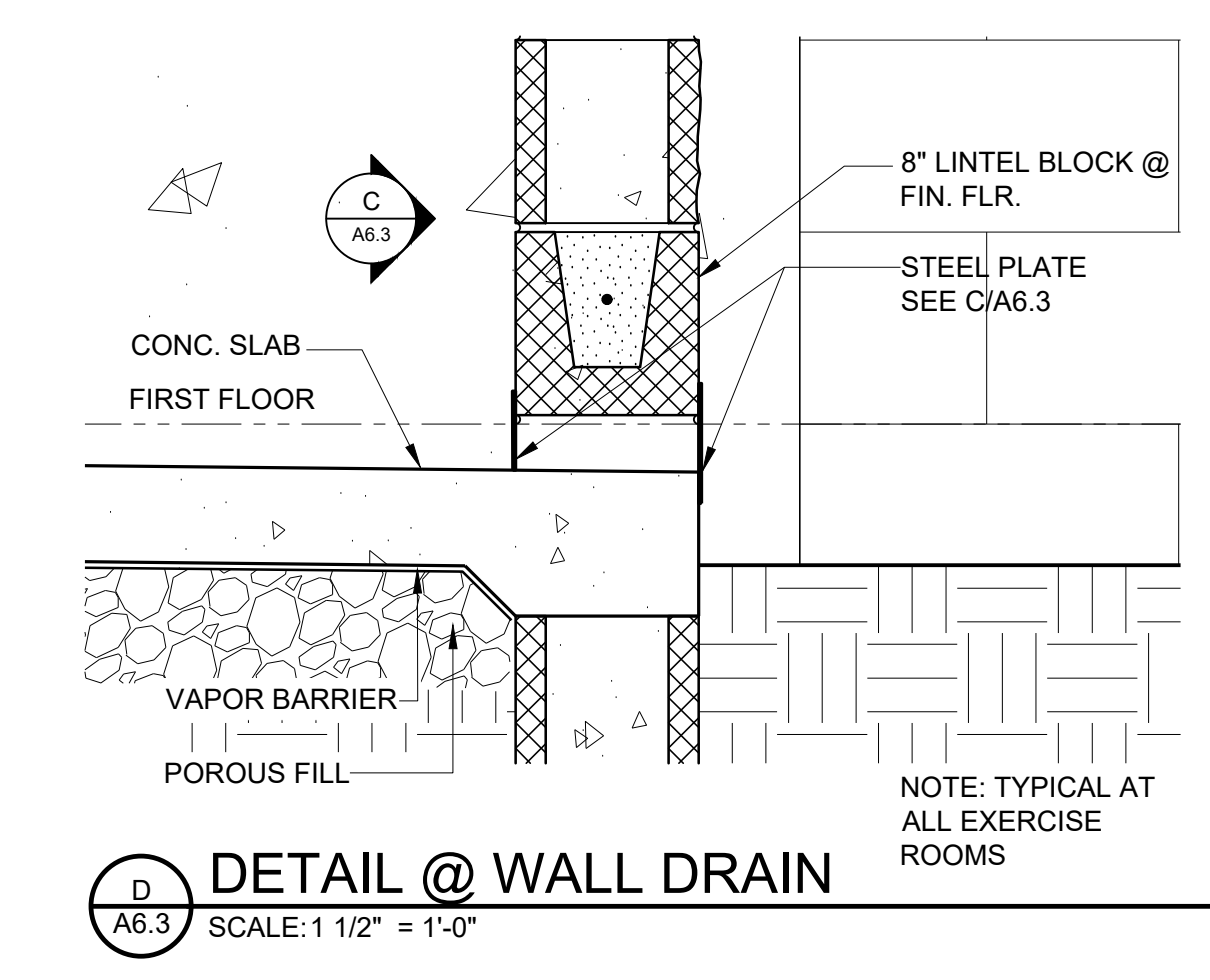
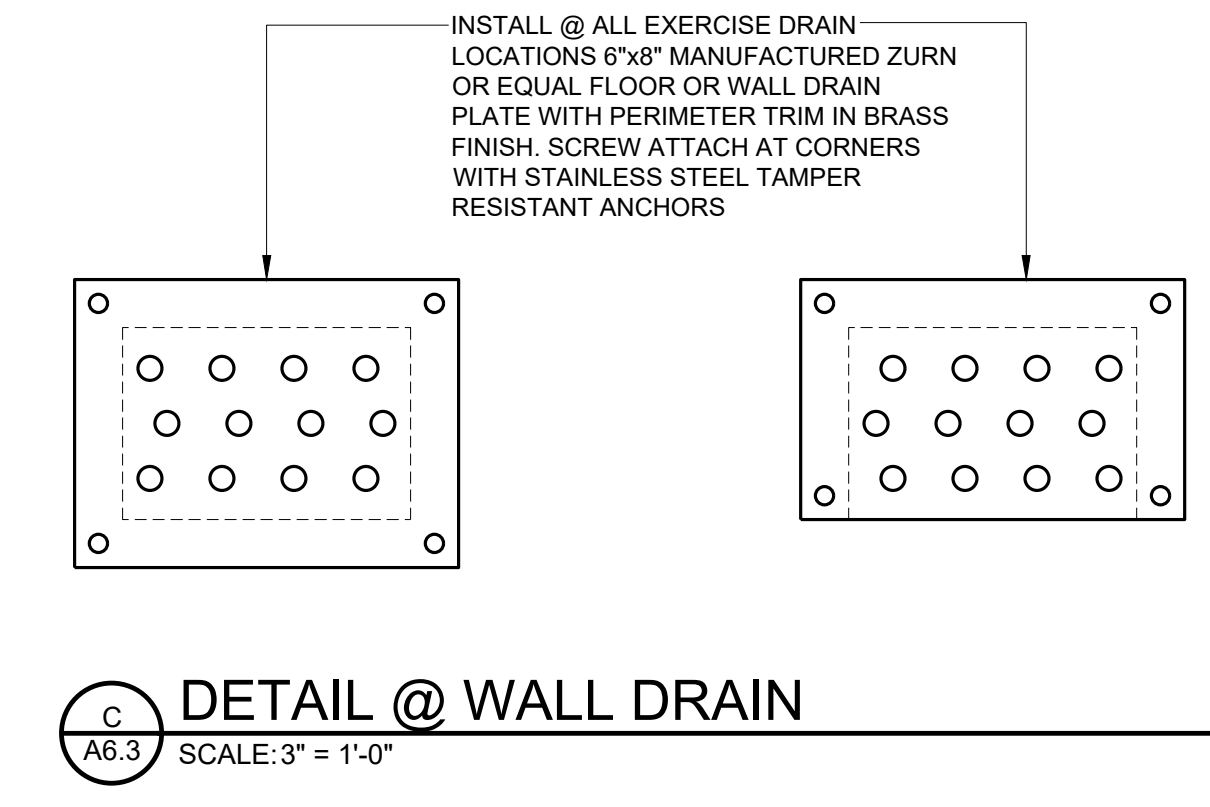
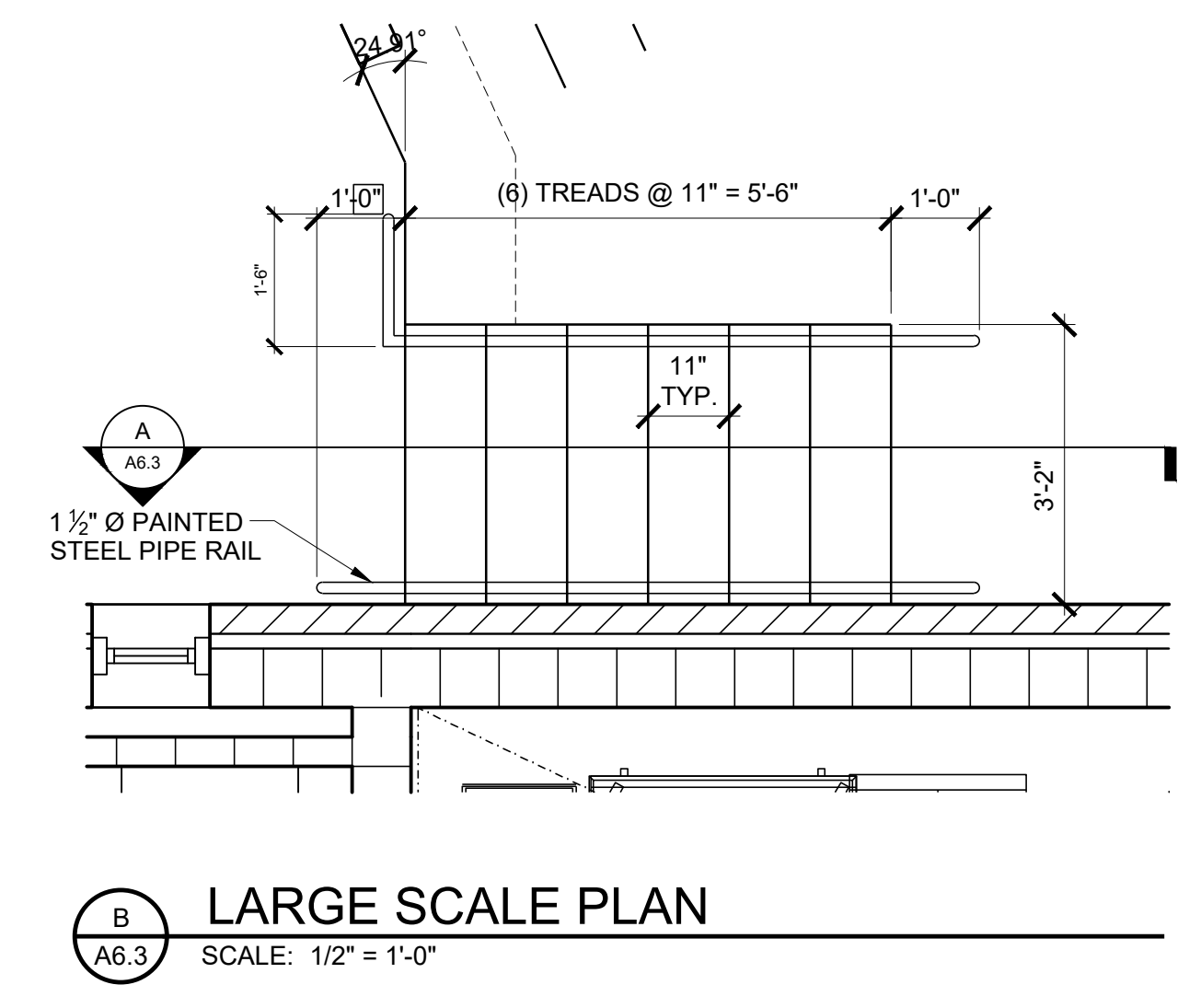
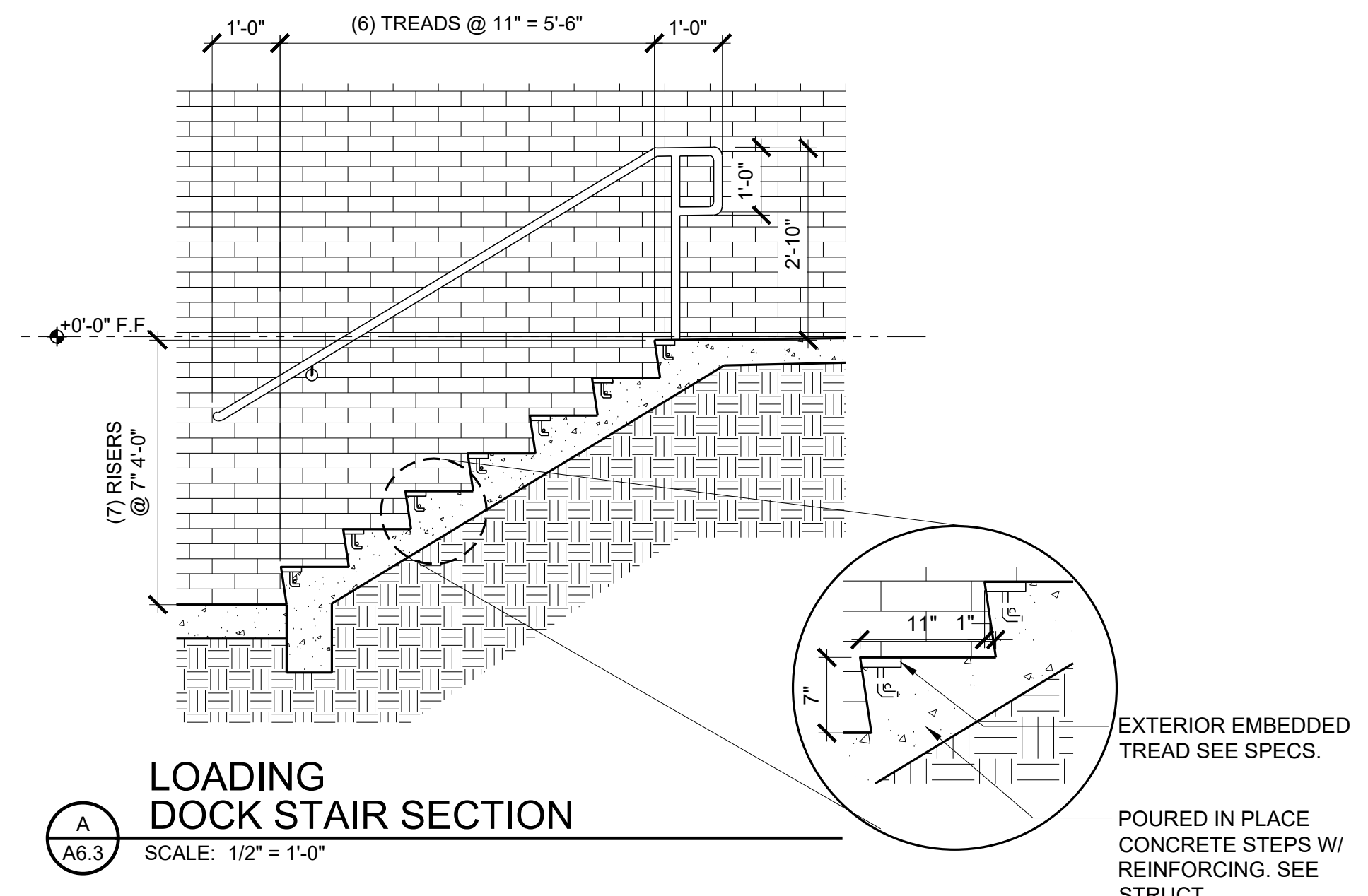


5
 WALL SECTION
 SCALE: 3/4" = 1'-0"

FILE NAME: W:\JMRH Projects 2022\22-1189 Choctaw County Jail\A6.1 - A6.4 Wall Sections.dwg
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**CHOCTAW COUNTY JAIL
 BUTLER, ALABAMA**



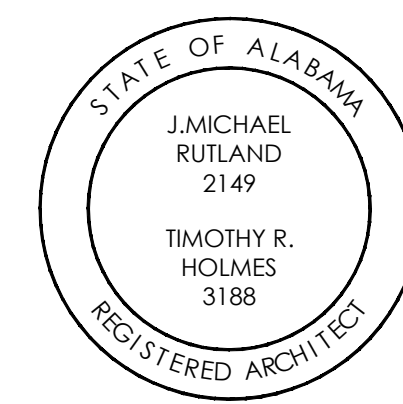
CONSTRUCTION DOCUMENTS

Project Number: 22-1189
 Date: 30 MAY 2024
 Revisions:

WALL SECTIONS

Sheet Number
A6.3

PRINTED: 6/14/2024 @ 11:58AM FILE NAME: W:\JMRH Projects 2022\22-1189 Choctaw County Jail\A6.1 - A6.4 Wall Sections.dwg



**CHOCTAW COUNTY JAIL
BUTLER,
ALABAMA**

**CONSTRUCTION
DOCUMENTS**

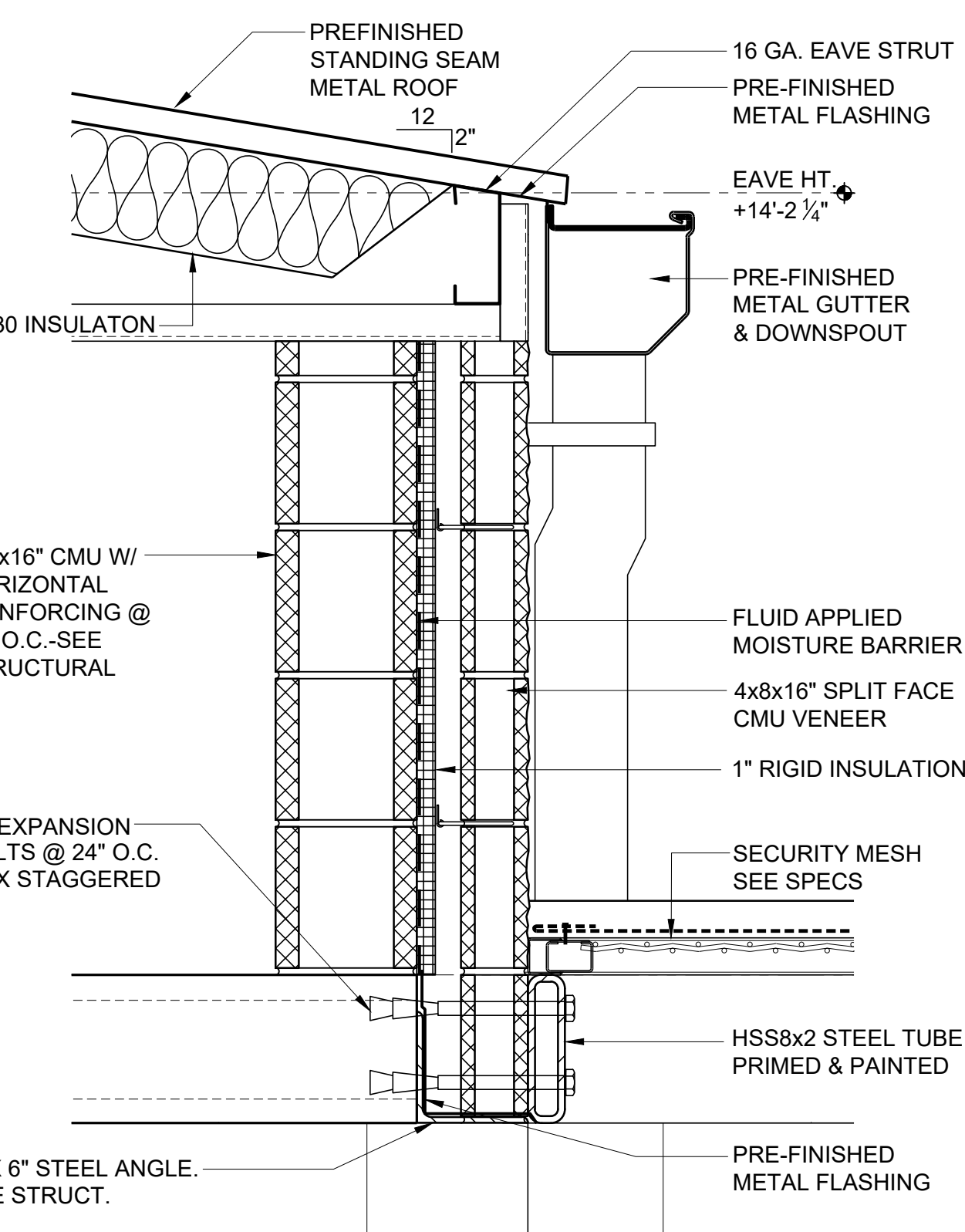
Project Number: 22-1189
Date: 30 MAY 2024
Revisions:

Sheet Description

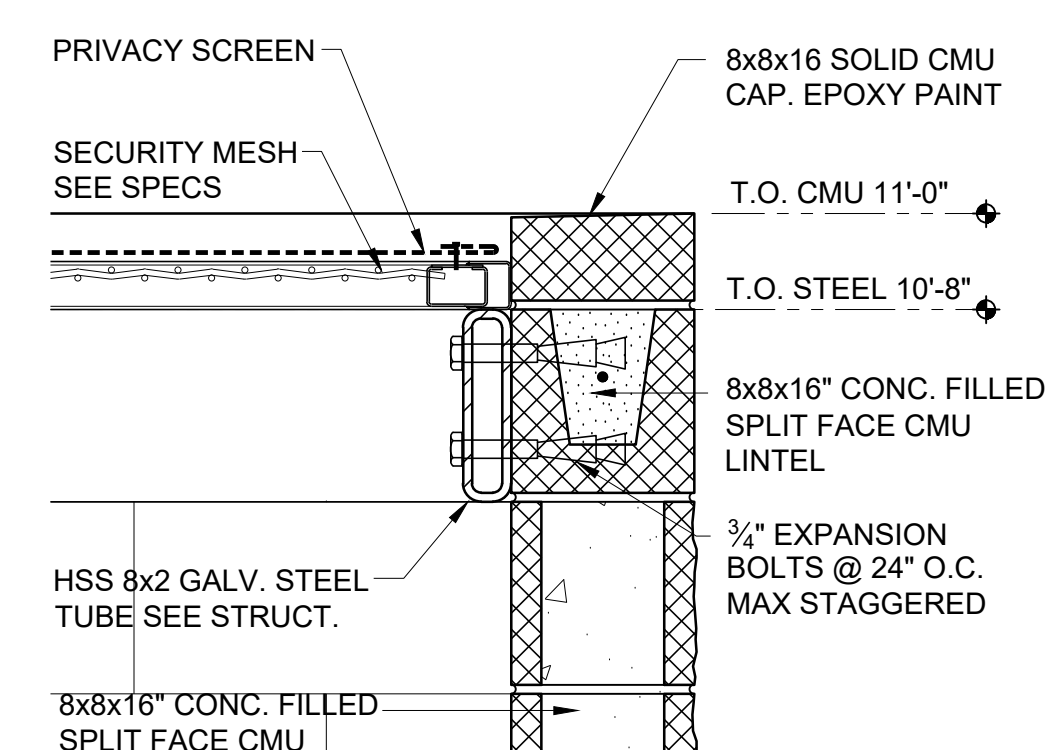
**WALL
SECTIONS**

Sheet Number

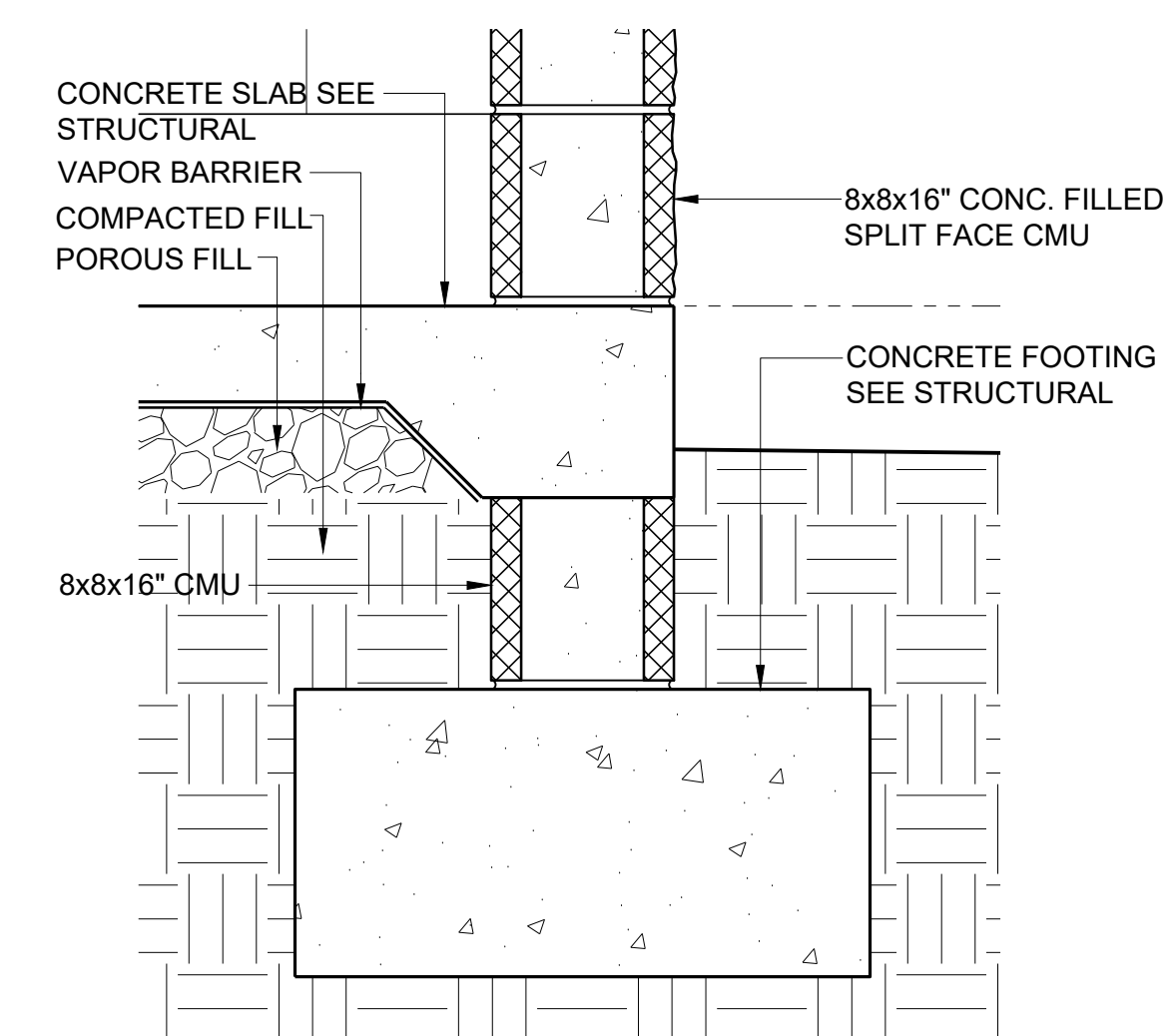
A6.4



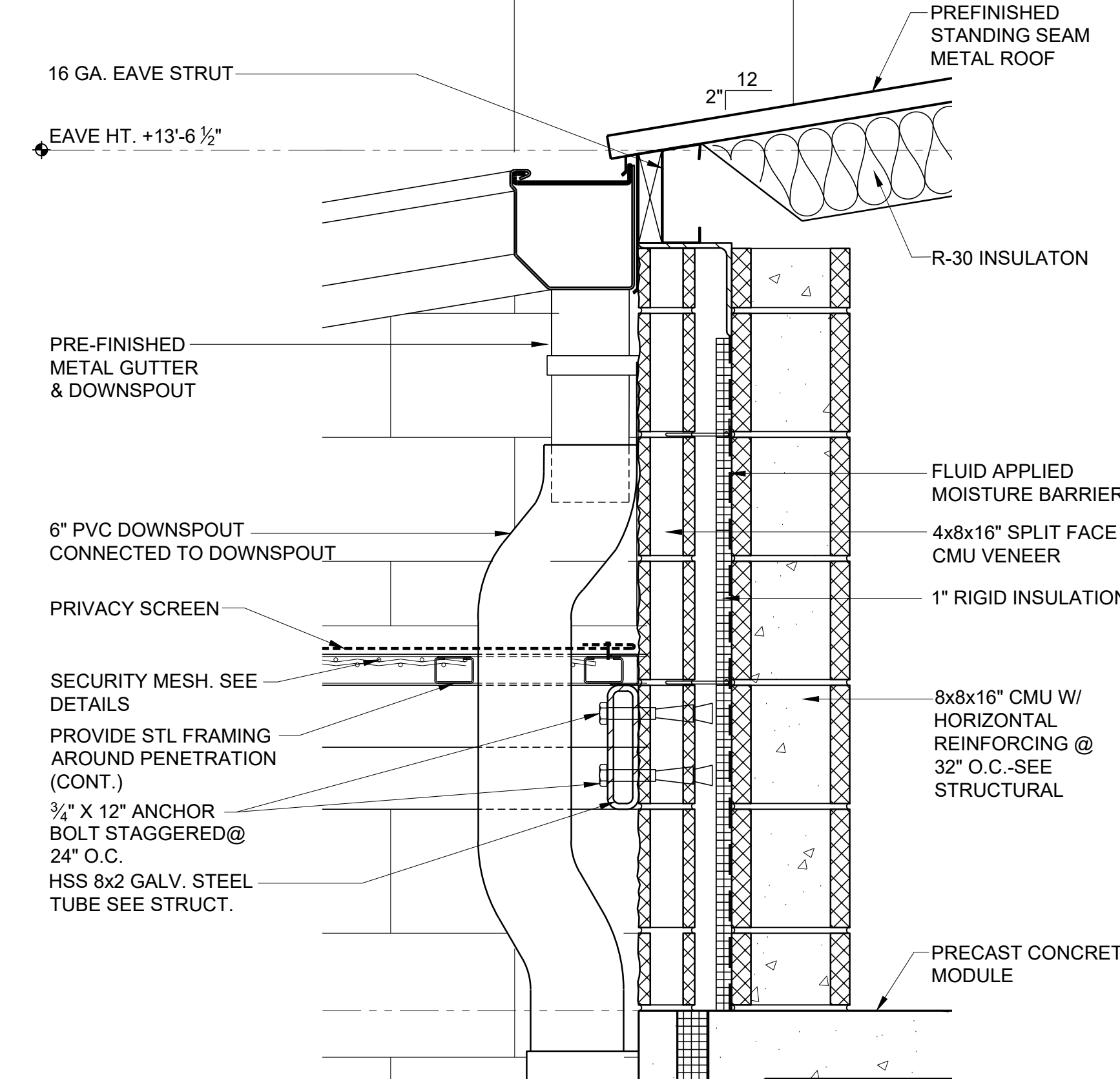
DETAIL A
SCALE: 1 1/2" = 1'-0"



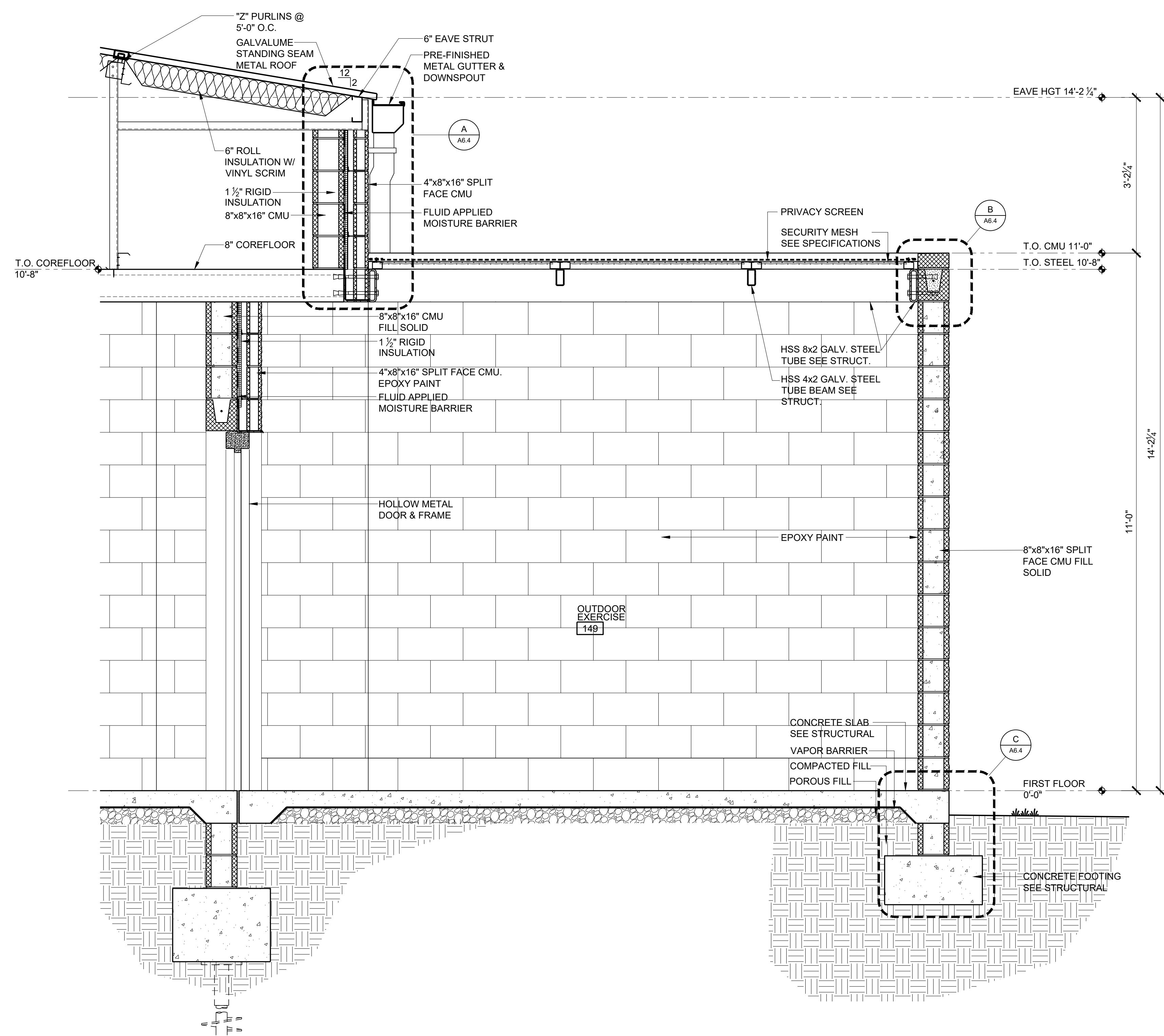
DETAIL B
SCALE: 1 1/2" = 1'-0"



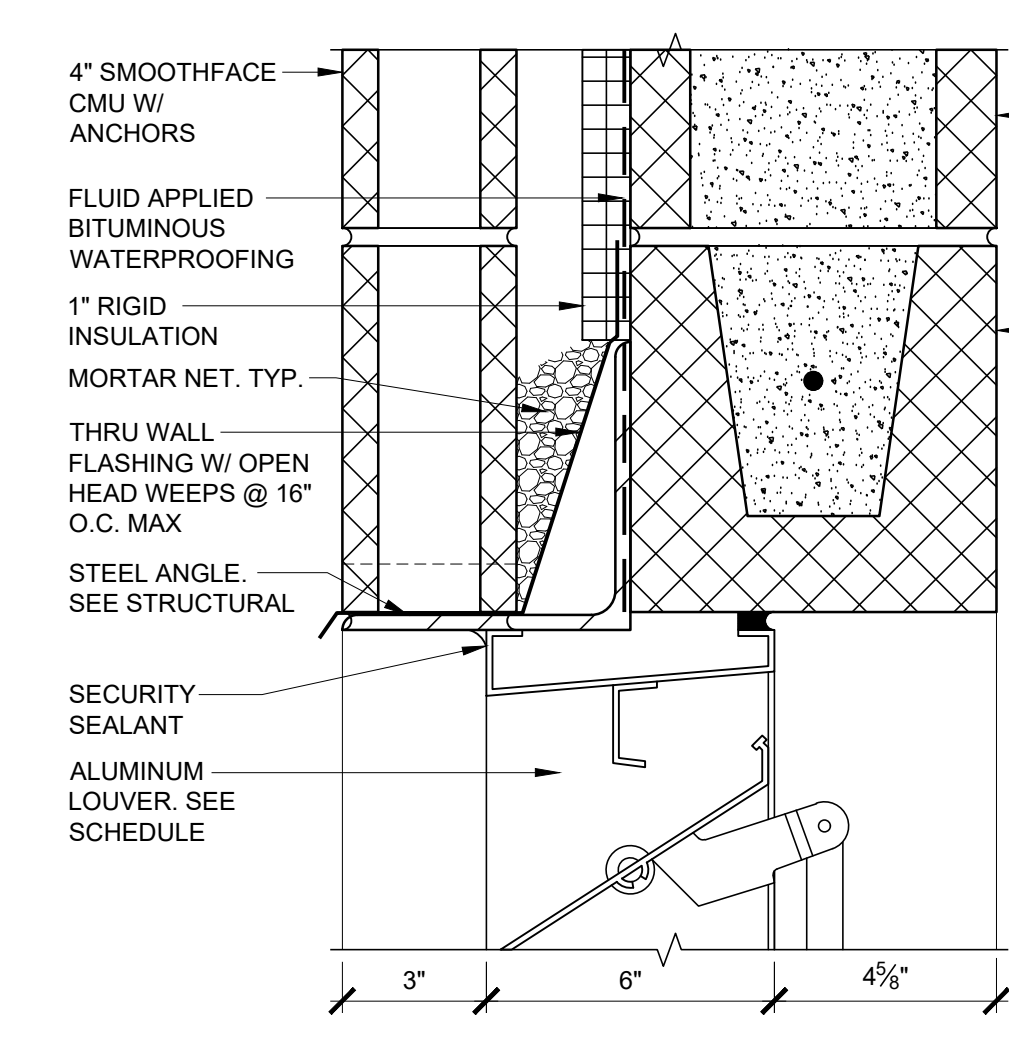
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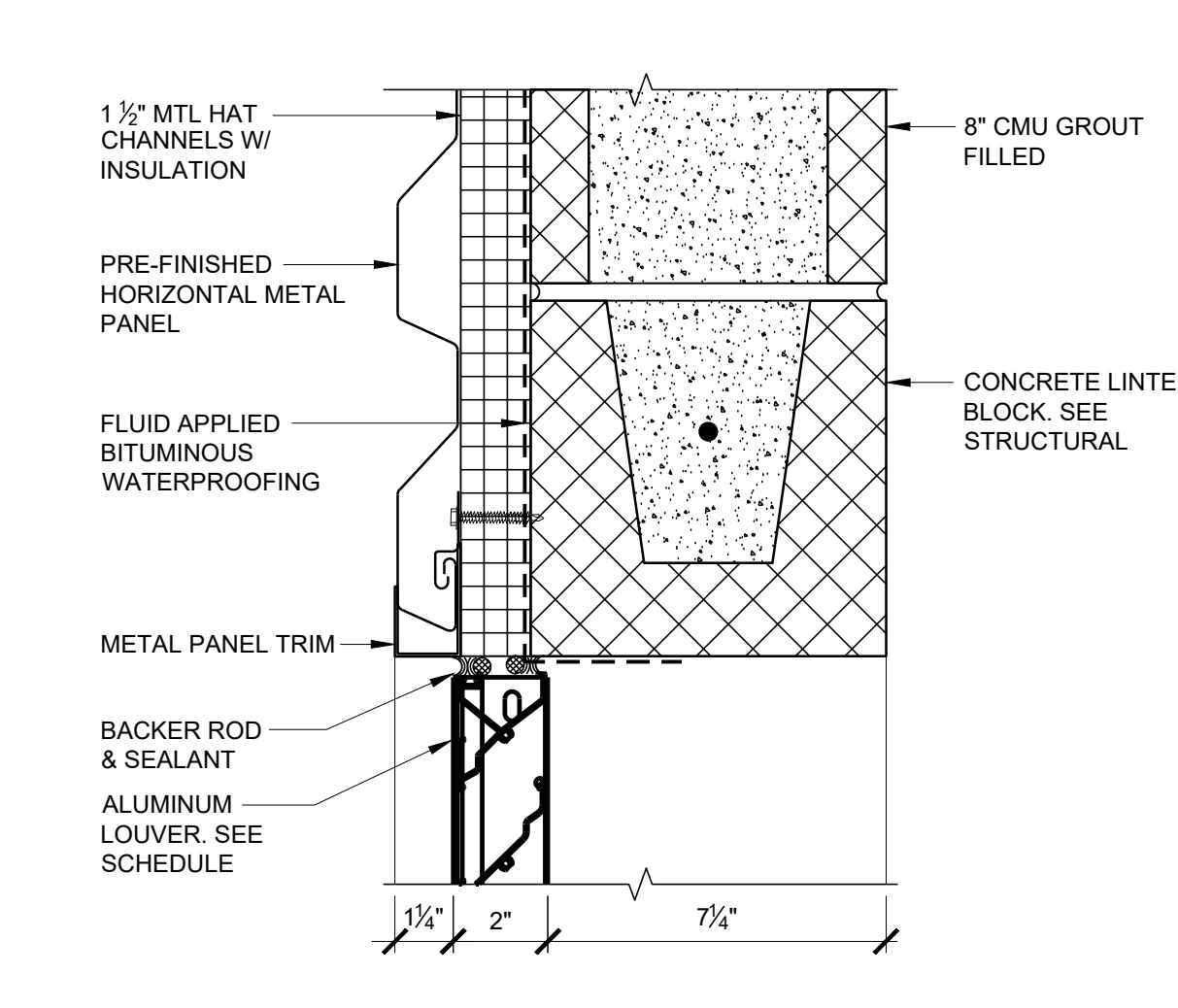
DETAIL D
SCALE: 1 1/2" = 1'-0"



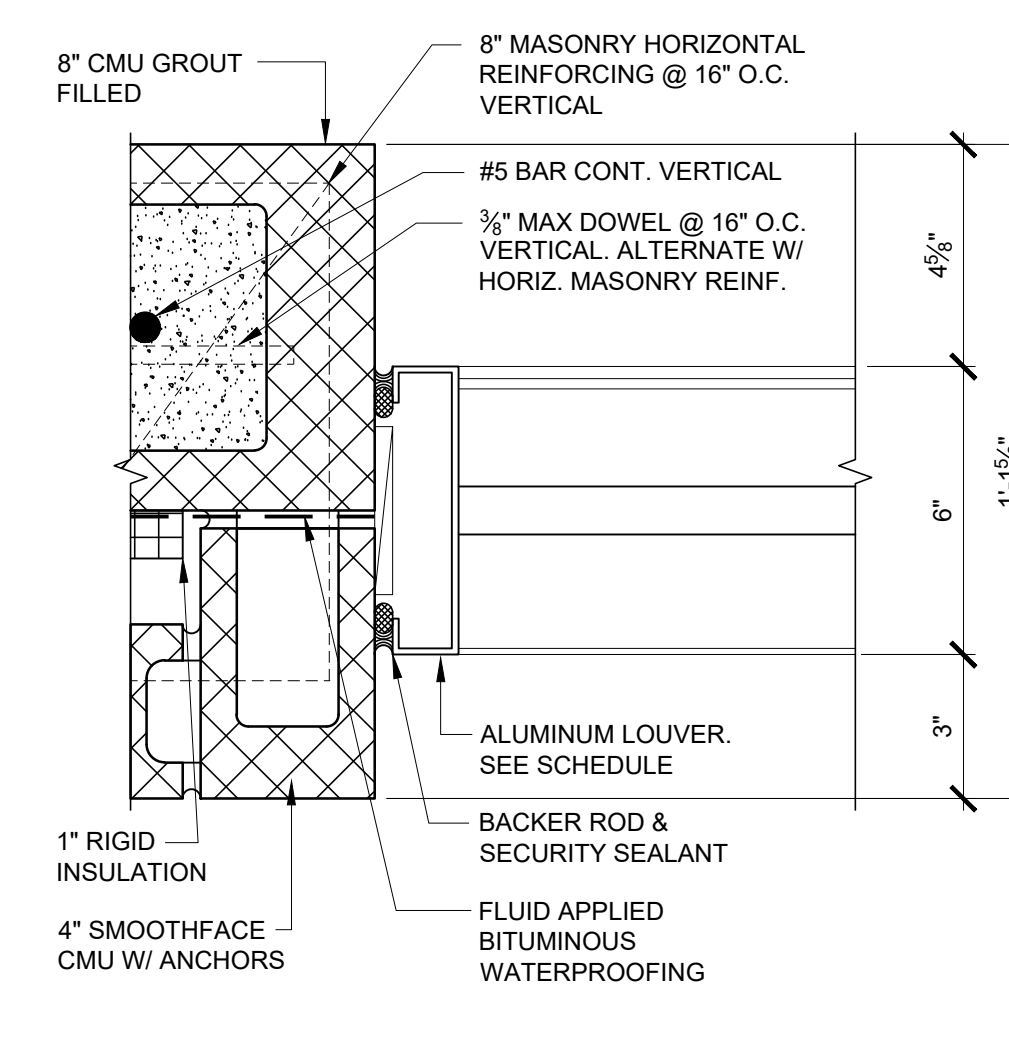
WALL SECTION
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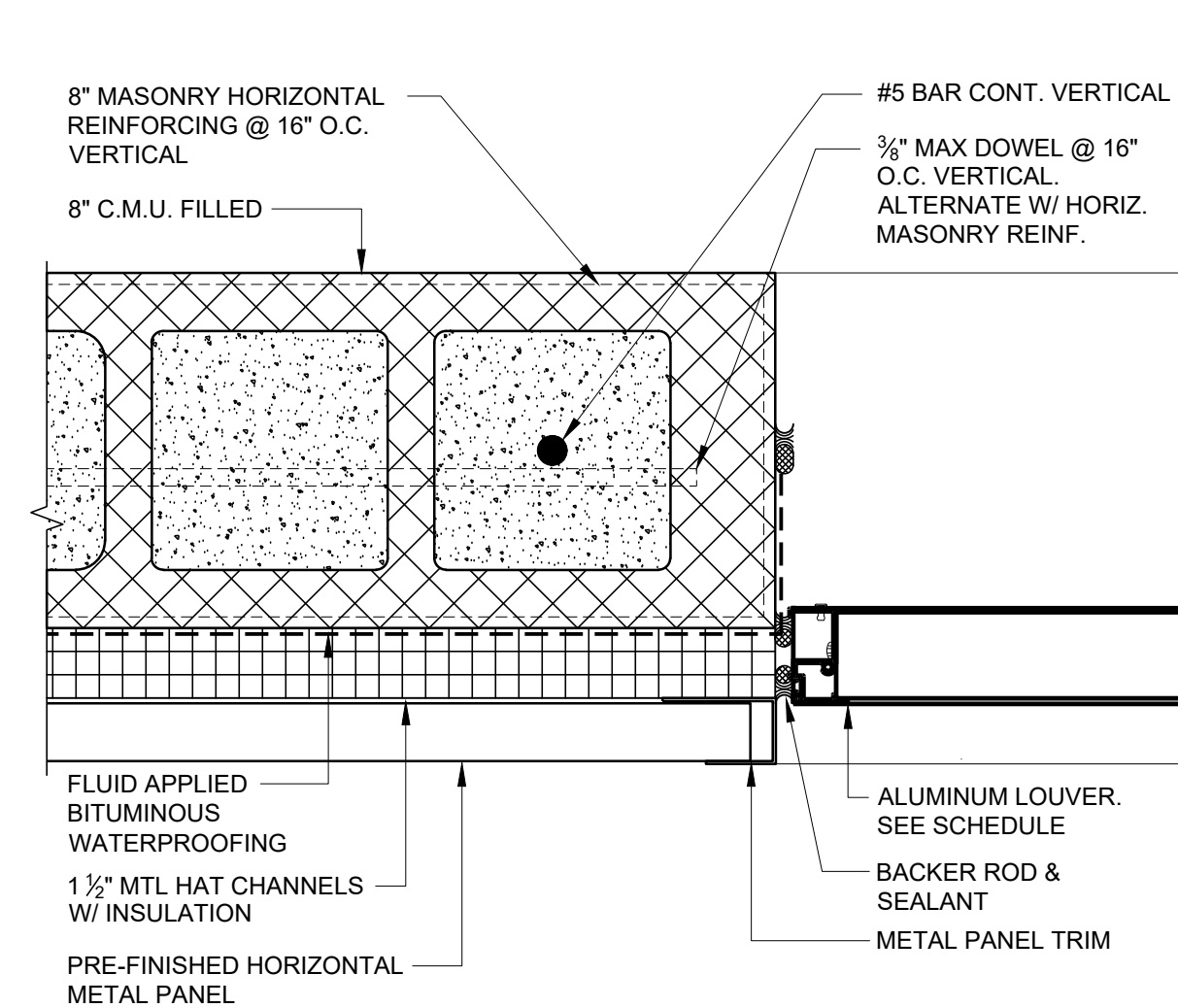
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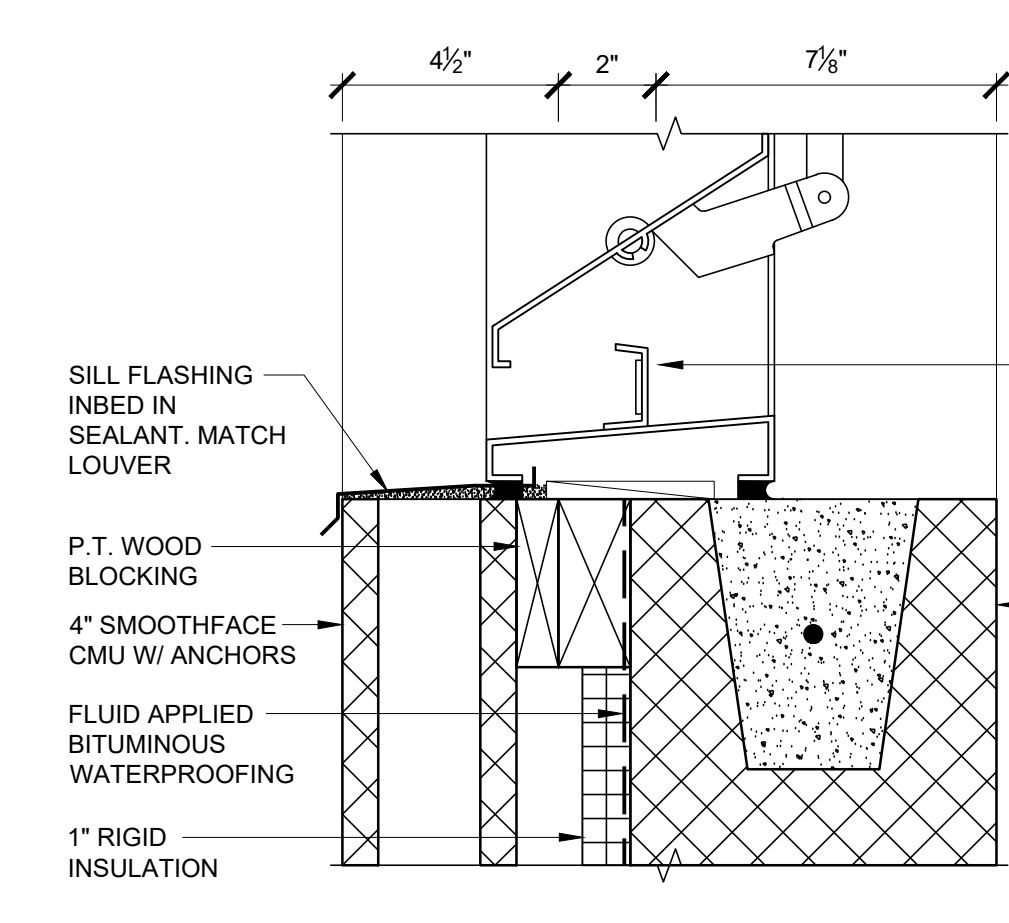
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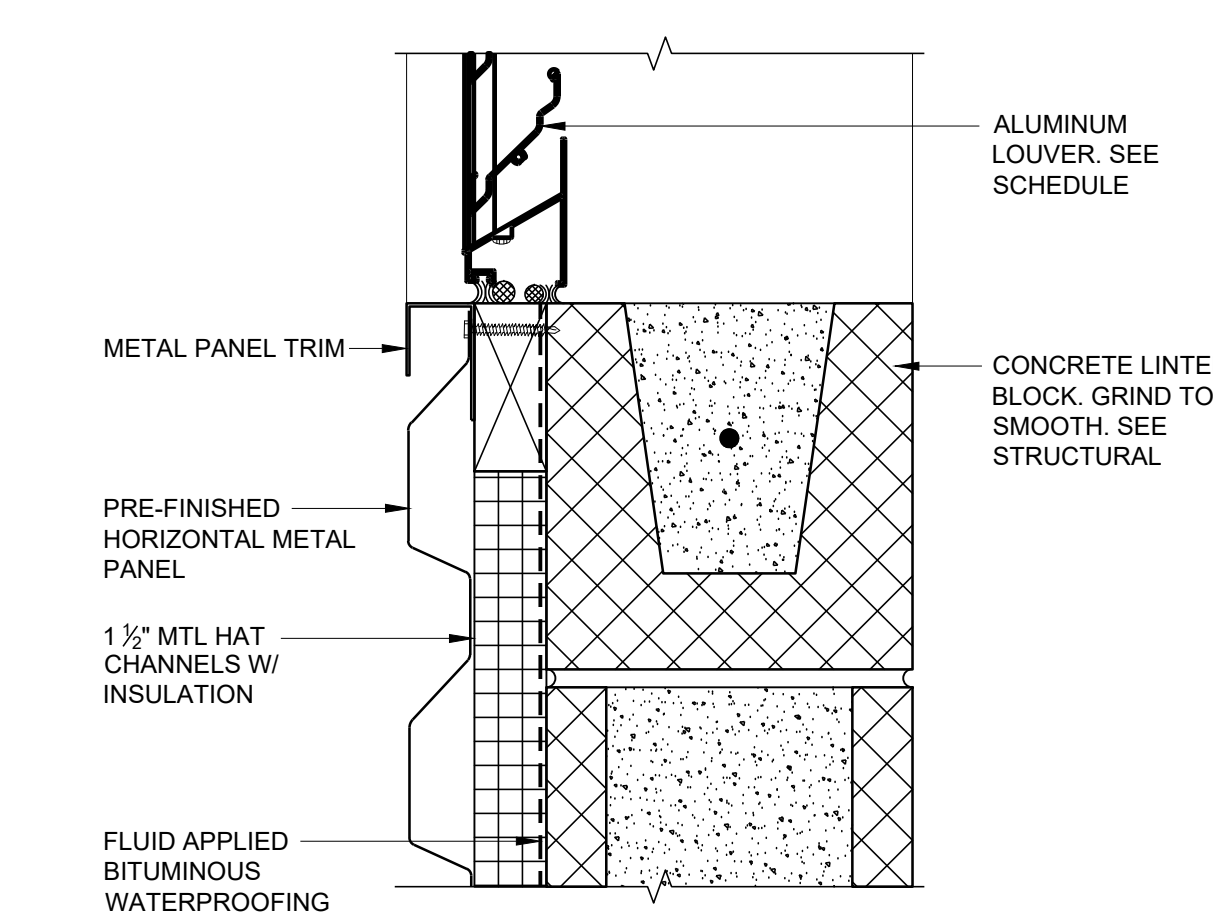
JAMB @ LOUVER F
SCALE: 3" = 1'-0"



JAMB @ LOUVER J
SCALE: 3" = 1'-0"



SILL @ LOUVER G
SCALE: 3" = 1'-0"



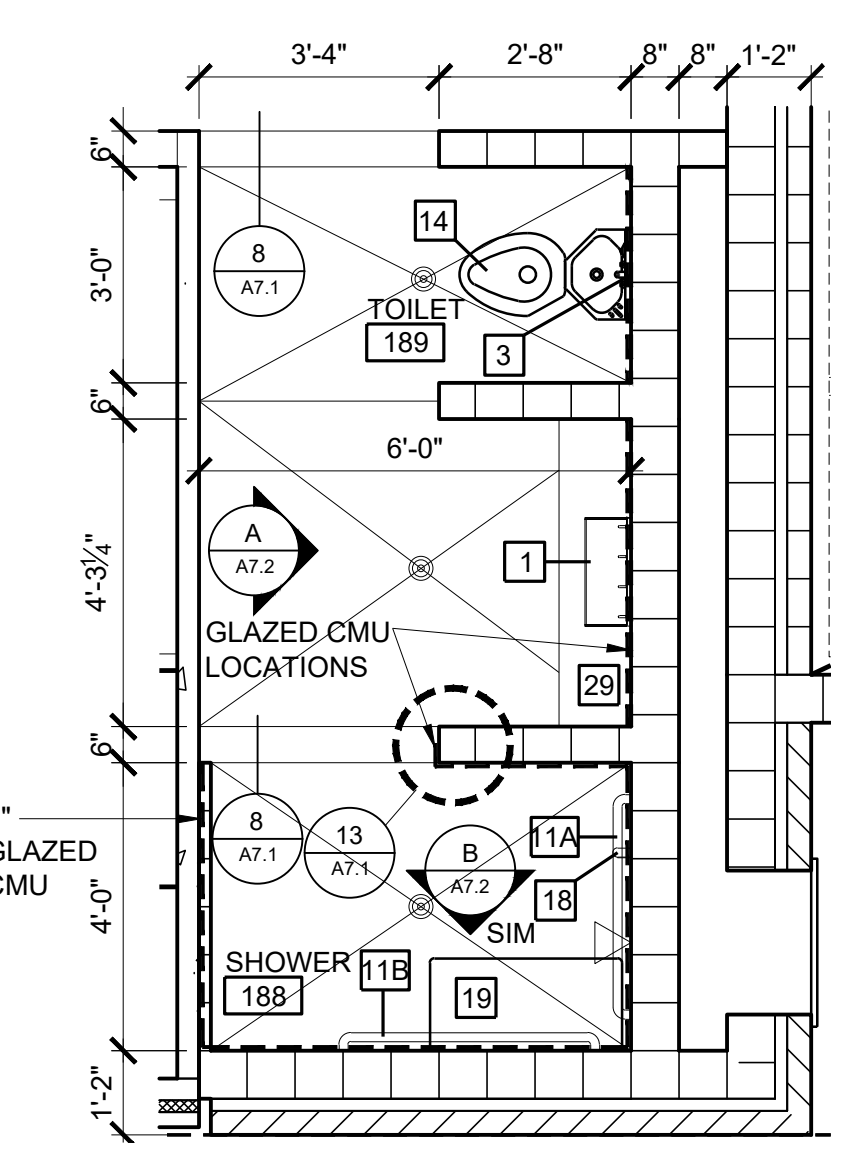
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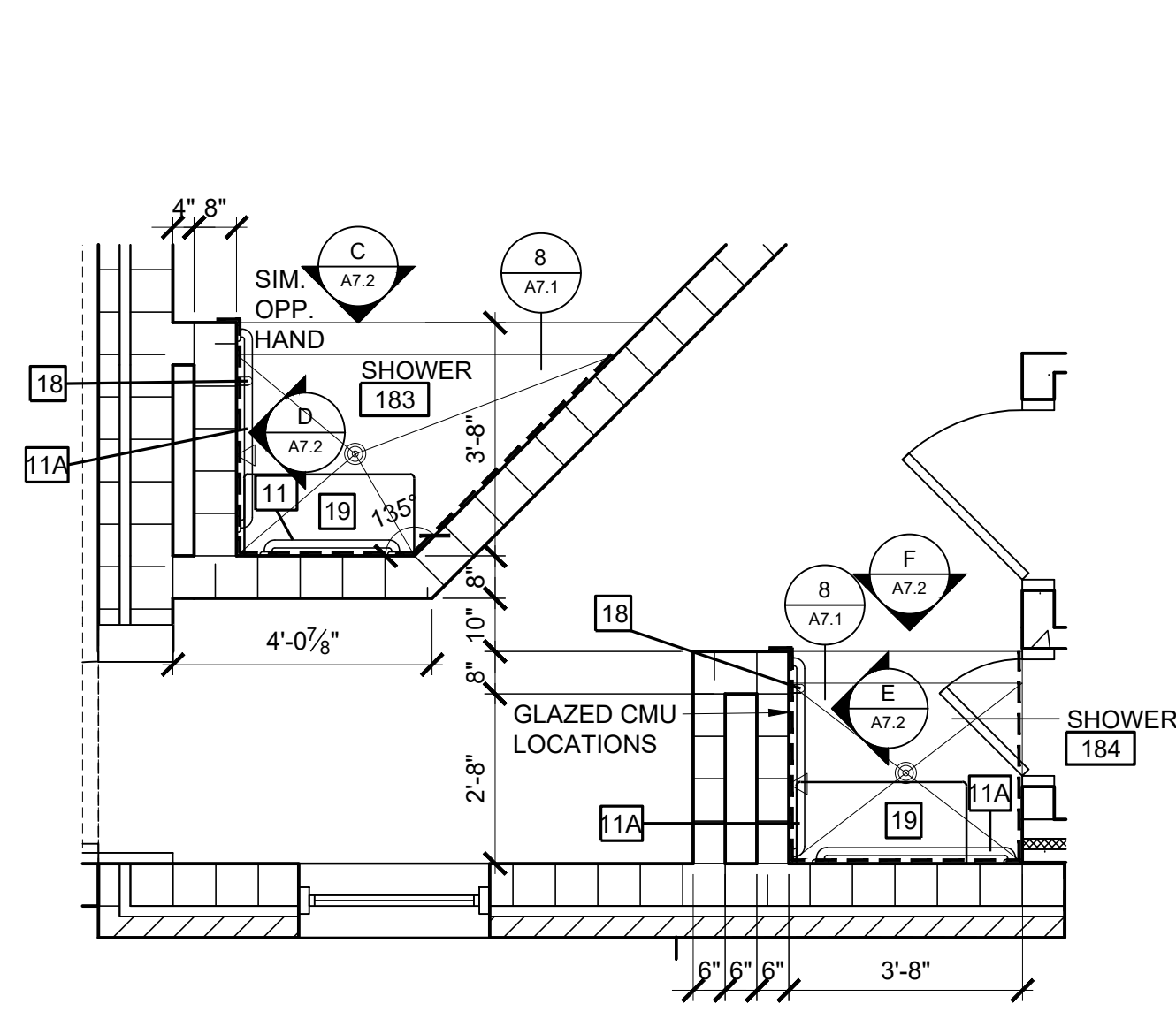
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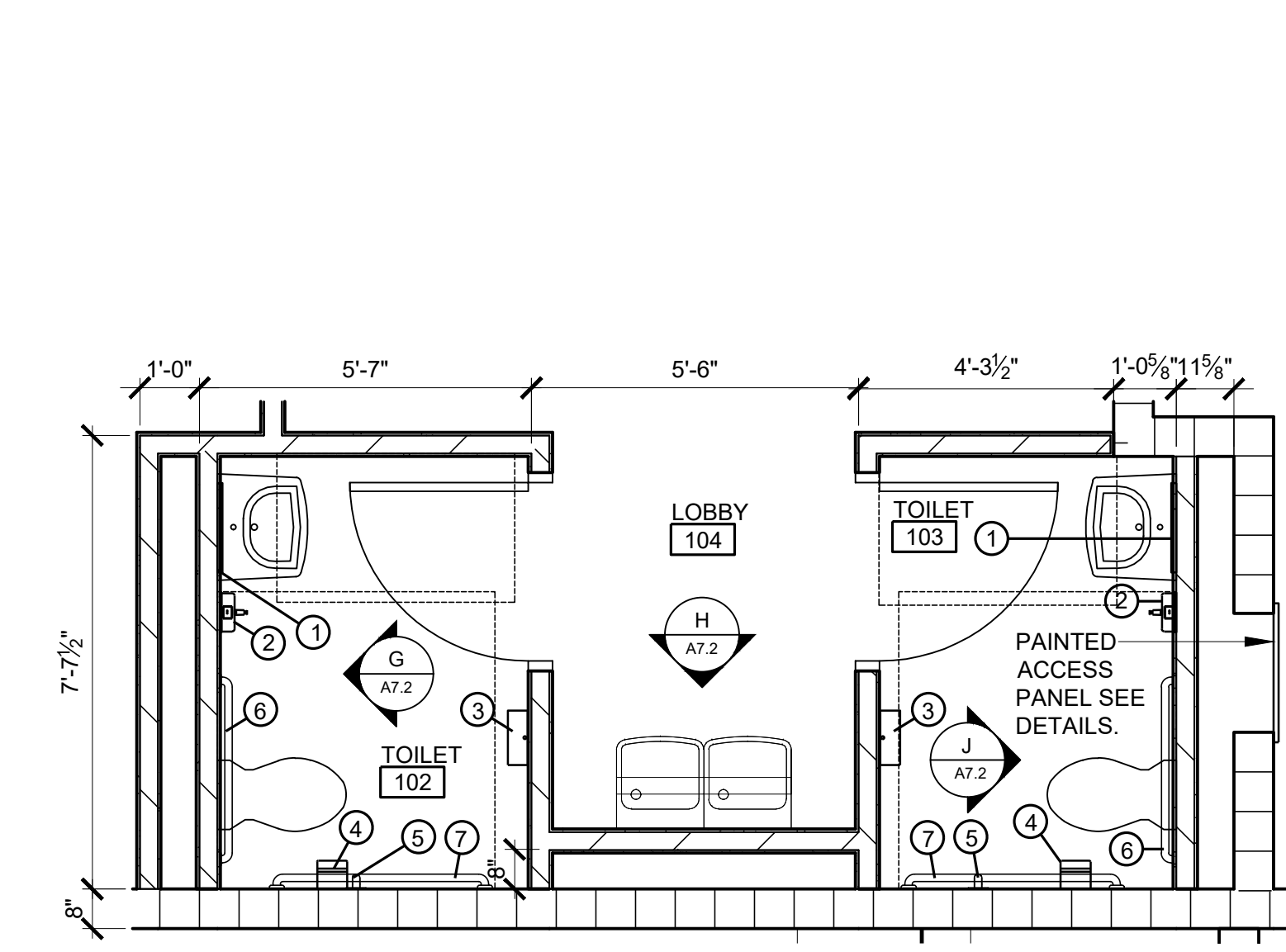
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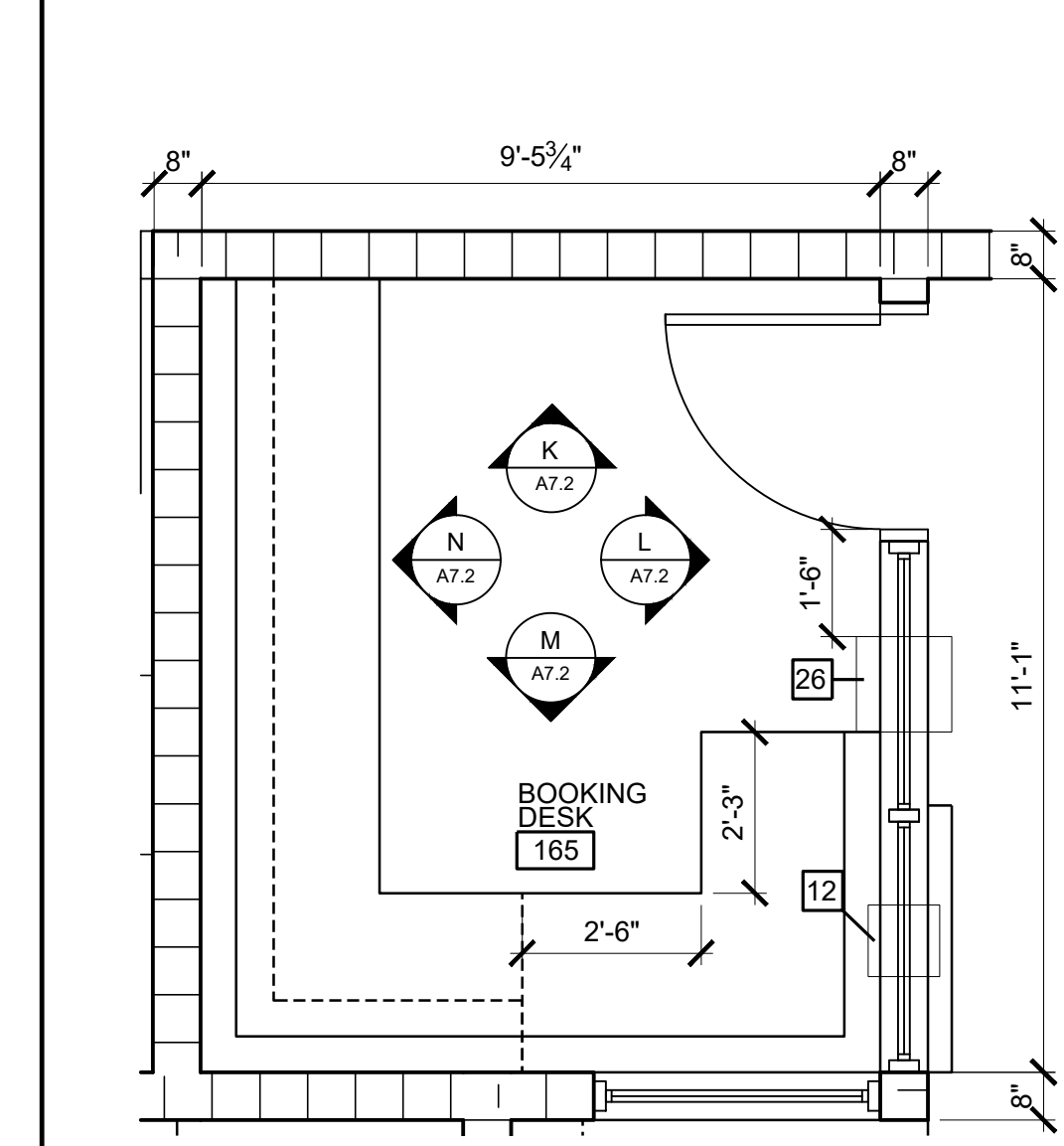
188-SHOWER / 189-TOILET
LARGE SCALE PLAN
SCALE: 3/8" = 1'-0"



183-SHOWER / 184-SHOWER
LARGE SCALE PLAN
SCALE: 3/8" = 1'-0"



102-TOILET / 103-TOILET / 104-LOBBY
LARGE SCALE PLAN
SCALE: 3/8" = 1'-0"



165-BOOKING DESK
LARGE SCALE PLAN
SCALE: 3/8" = 1'-0"

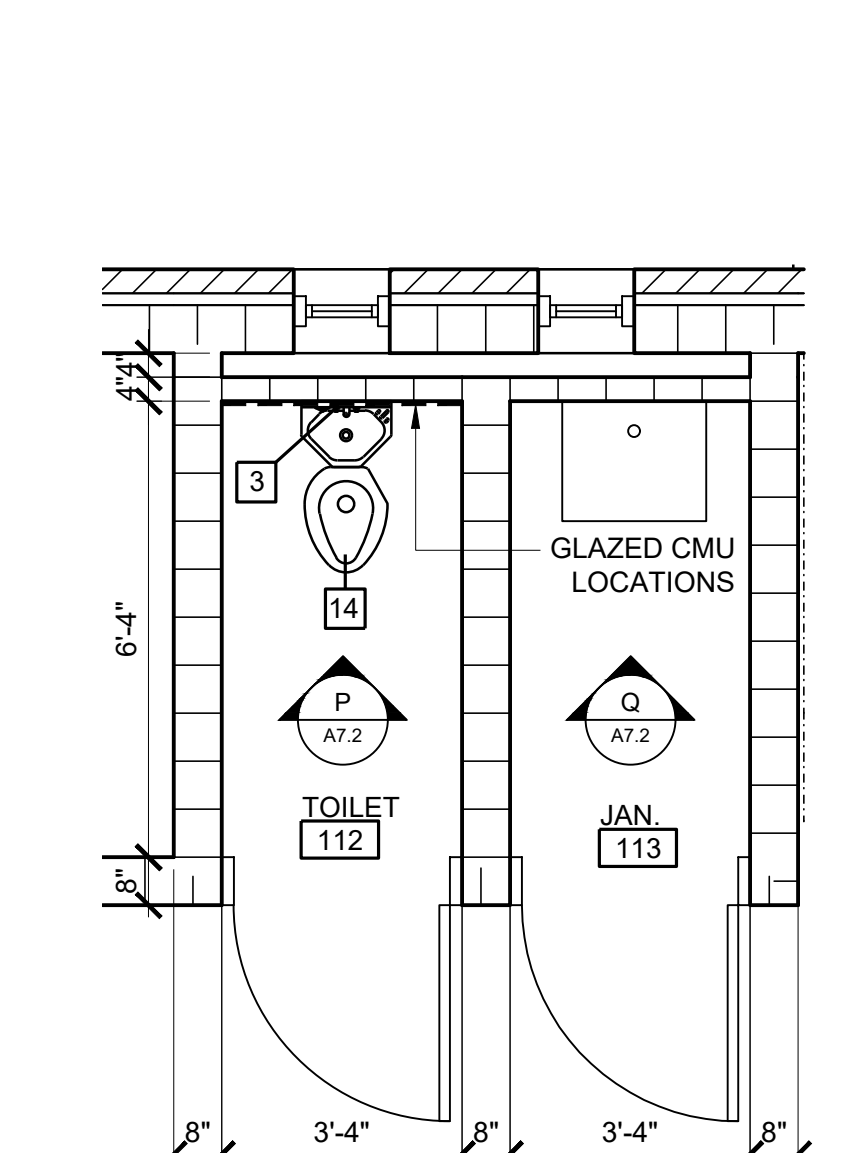
TOILET ACCESSORY SCHEDULE		
MARK	ITEM DESCRIPTION	MOUNTING HEIGHTS
①	CHANNEL-FRAME MIRROR - BRADLEY - 781-1830	40" A.F.F. TO BOTTOM OF REFLECTIVE SURFACE
②	SURFACE MOUNTED SOAP DISPENSER - BRADLEY - 6542	47" A.F.F. TO TOP OF UNIT
③	SURFACED MOUNTED TOWEL DISPENSER - BRADLEY - 250-15	40" A.F.F. TO BOTTOM OF UNIT
④	SURFACE-MOUNTED MULT-ROLL TOILET TISSUE DISPENSER BOBRICK - B-288	28" A.F.F. TOP OF UNIT
⑤	18" VERTICAL GRAB BAR	39"-41" A.F.F.
⑥	36" GRAB BAR	33"-36" A.F.F.
⑦	42" GRAB BAR	33"-36" A.F.F.
⑧	MOP RACK - BOBRICK B-239-34	60" A.F.F.

② DENOTES DETENTION EQUIPMENT. REFER TO SHEET A10.3 - A10.4 FOR ALL DETENTION DETAILS AND SCHEDULE

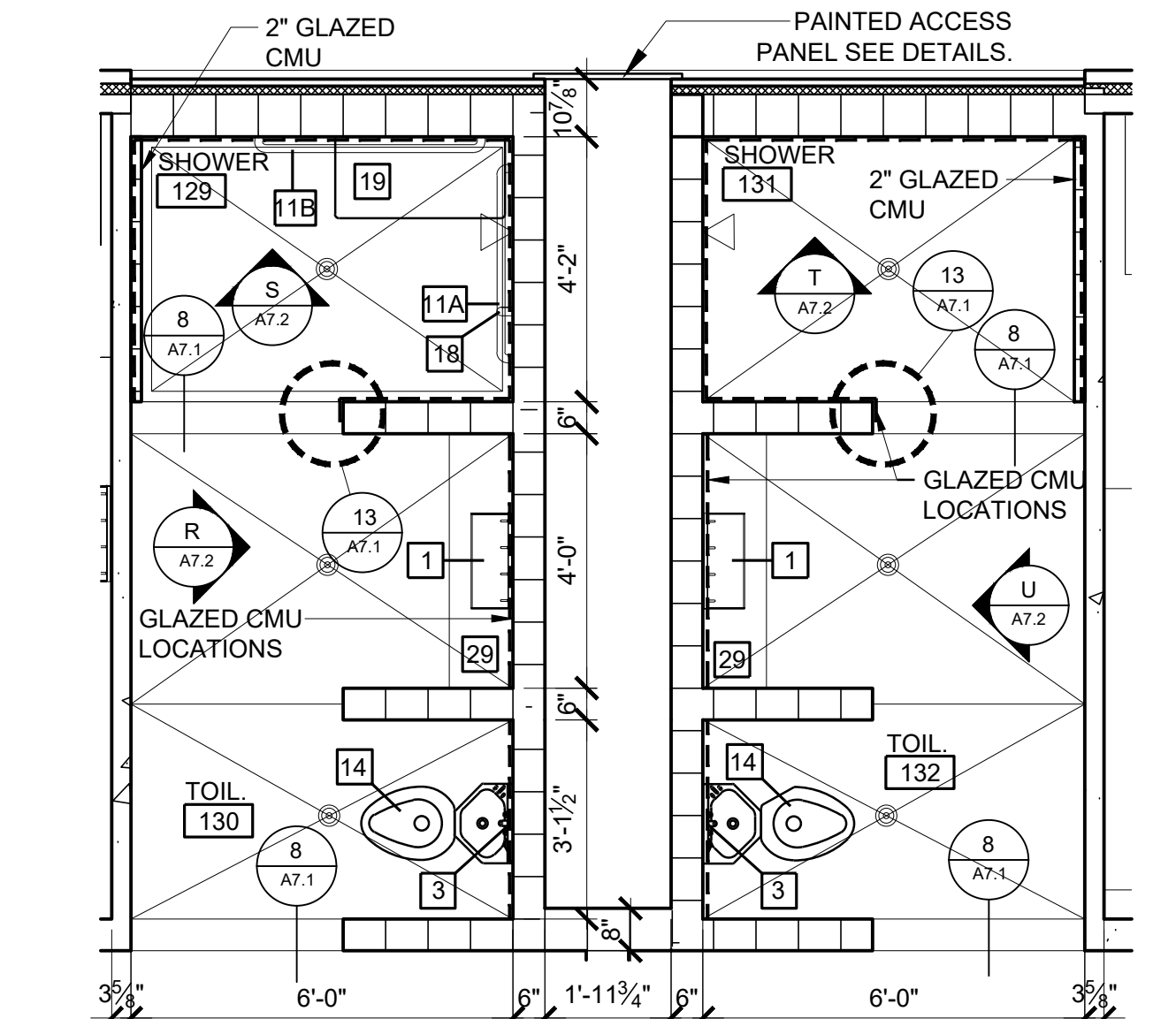
JMR+H
Architecture, P.C.
445 Dexter Avenue
Suite 5050
Montgomery, AL 36104
Phone: (334) 420-5672
Fax: (334) 420-5692

STATE OF ALABAMA
JAMICHAEL RUTLAND
2149
TIMOTHY R. HOLMES
3188
REGISTERED ARCHITECT

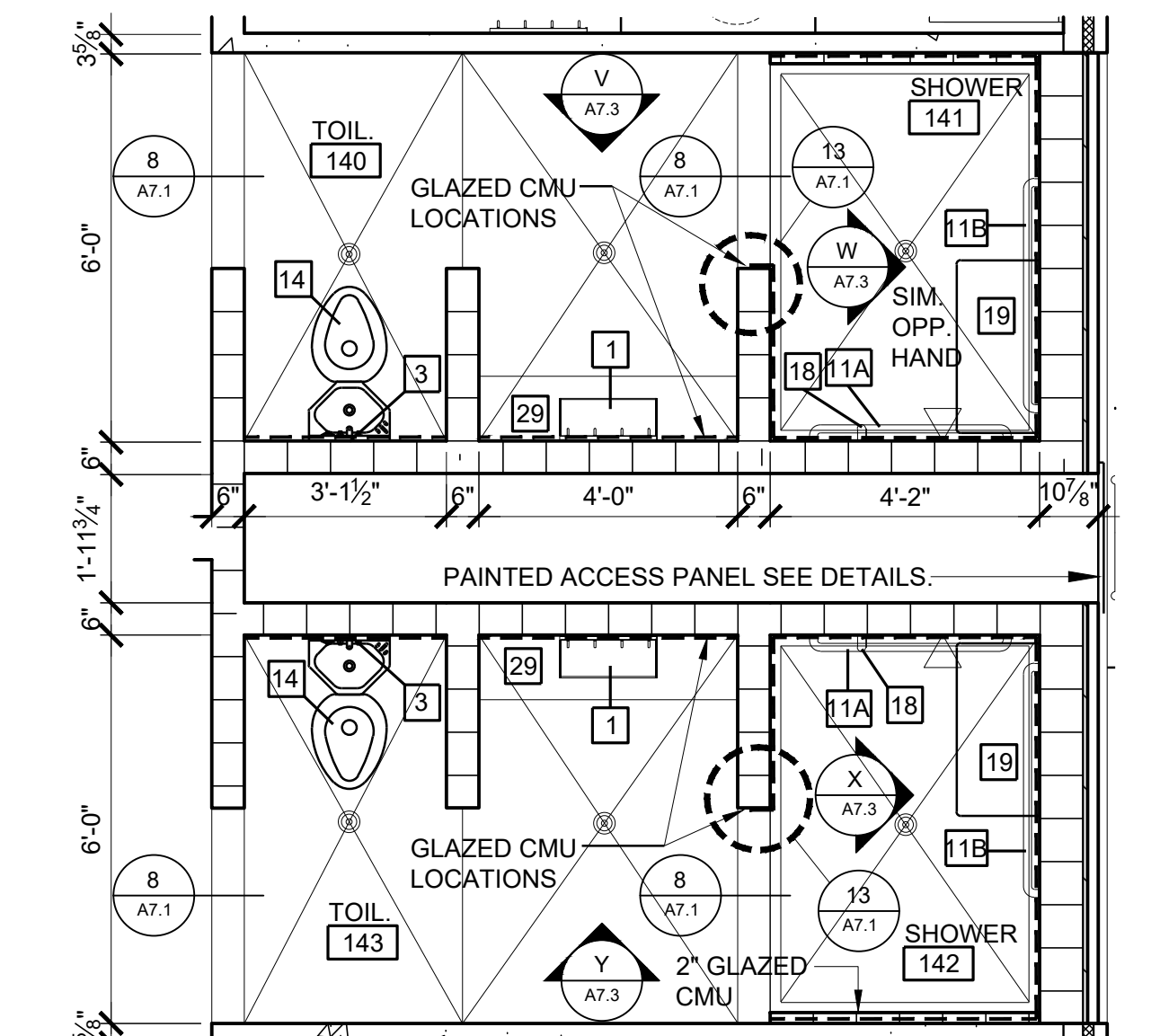
**CHOCTAW COUNTY JAIL
BUTLER,
ALABAMA**



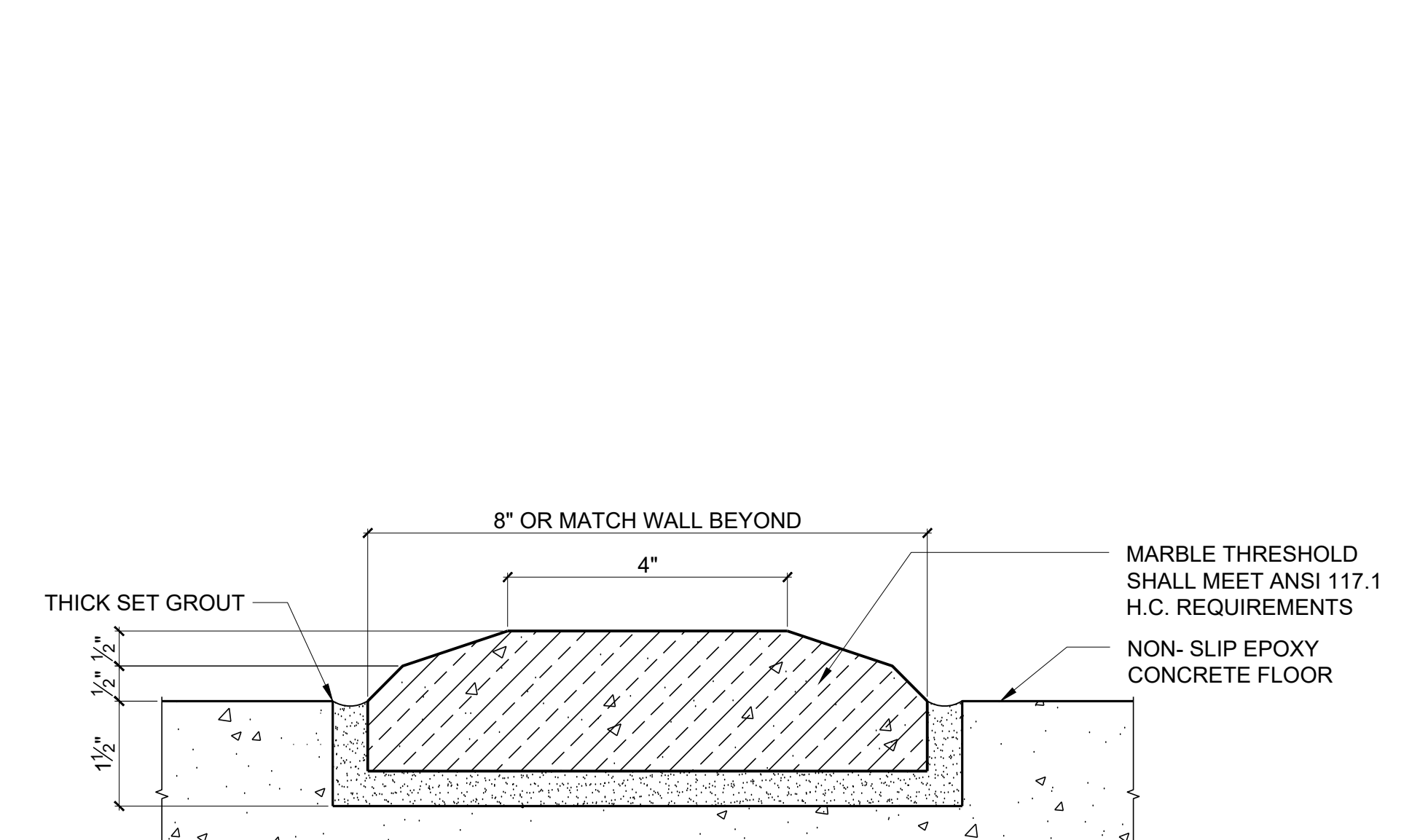
112-TOILET / 113-JANITOR
LARGE SCALE PLAN
SCALE: 3/8" = 1'-0"



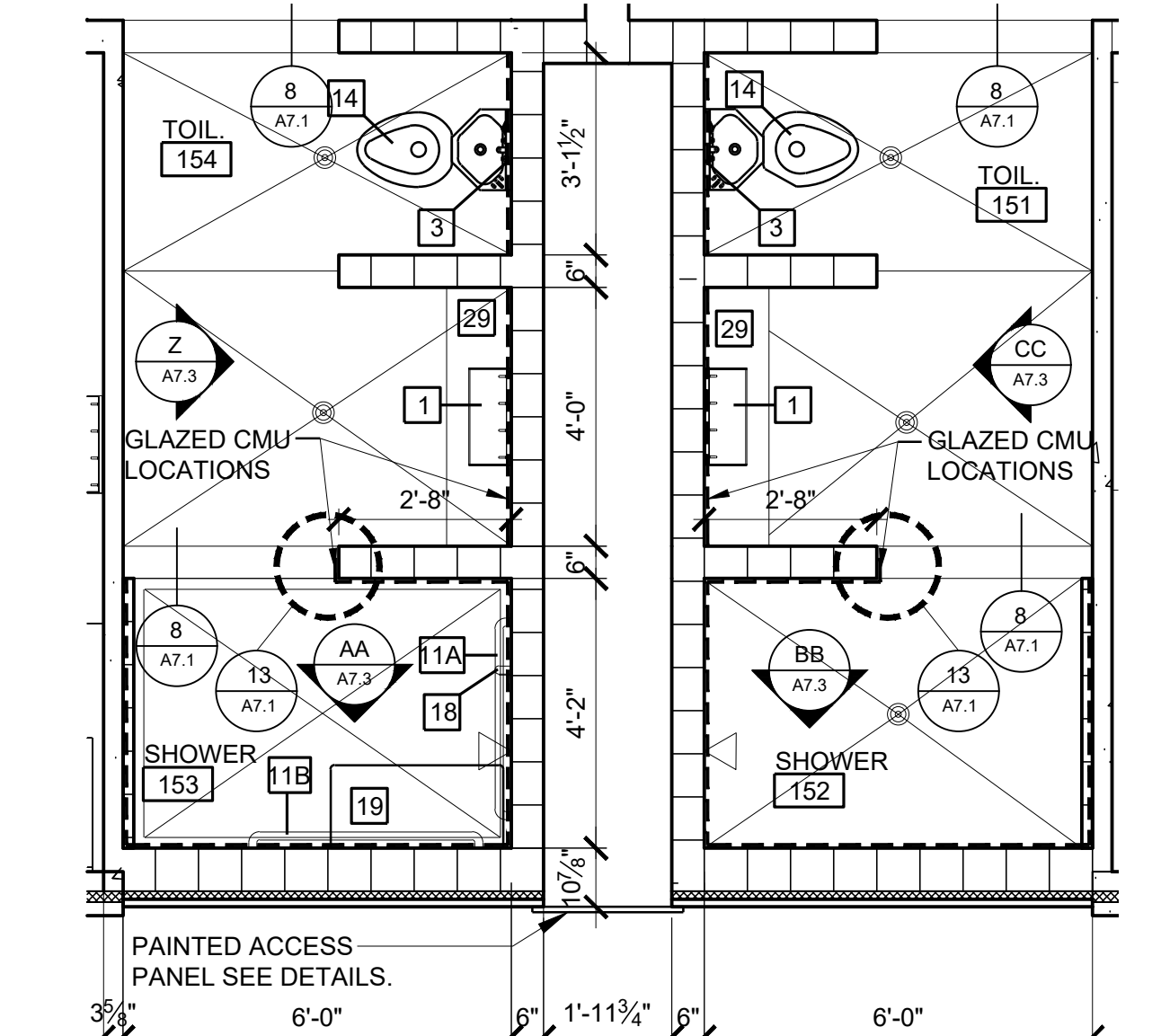
130 / 132-TOILETS & 129 / 131-SHOWERS
LARGE SCALE PLAN
SCALE: 3/8" = 1'-0"



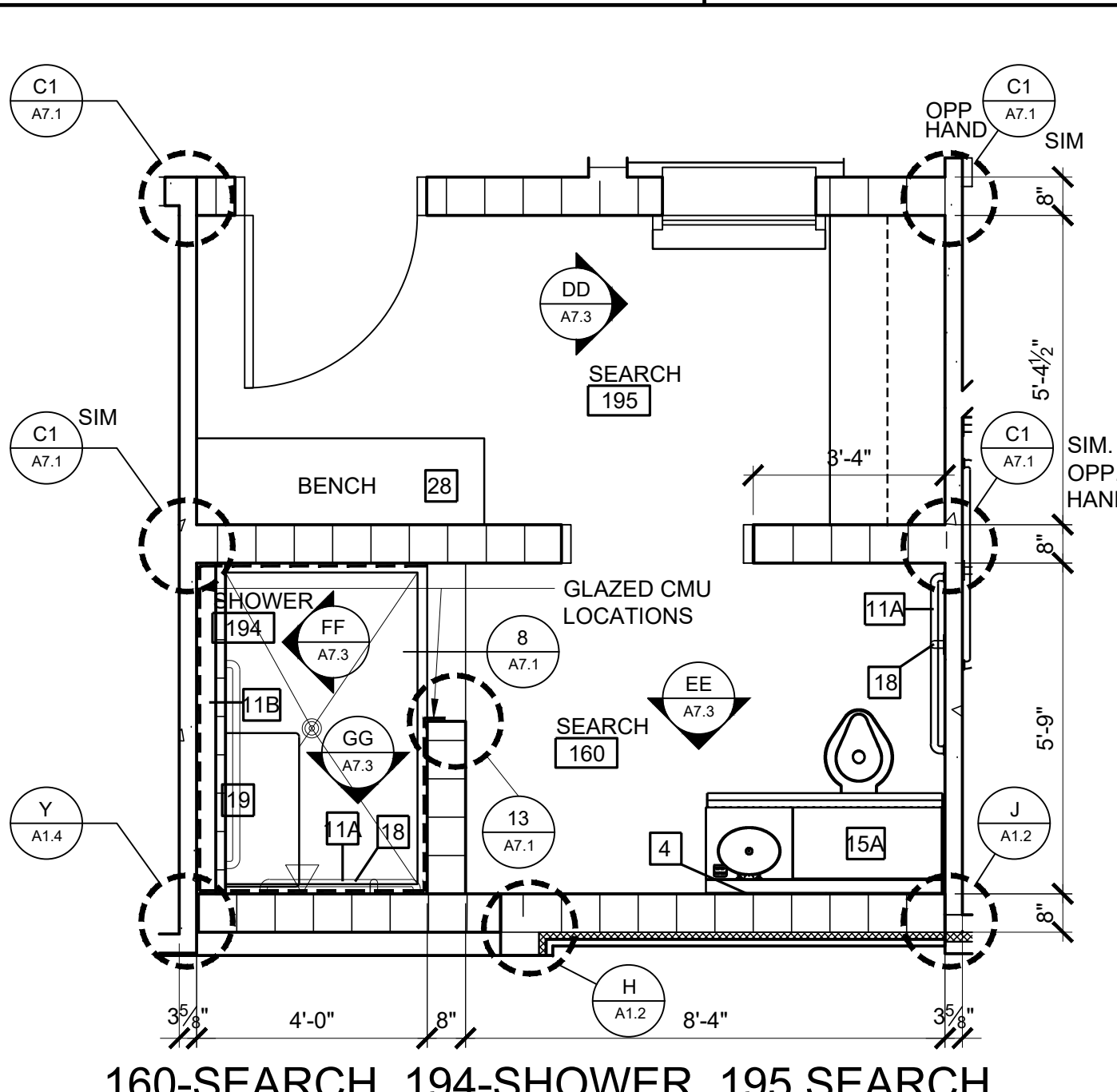
140 / 143-TOILETS & 141 / 142-SHOWERS
LARGE SCALE PLAN
SCALE: 3/8" = 1'-0"



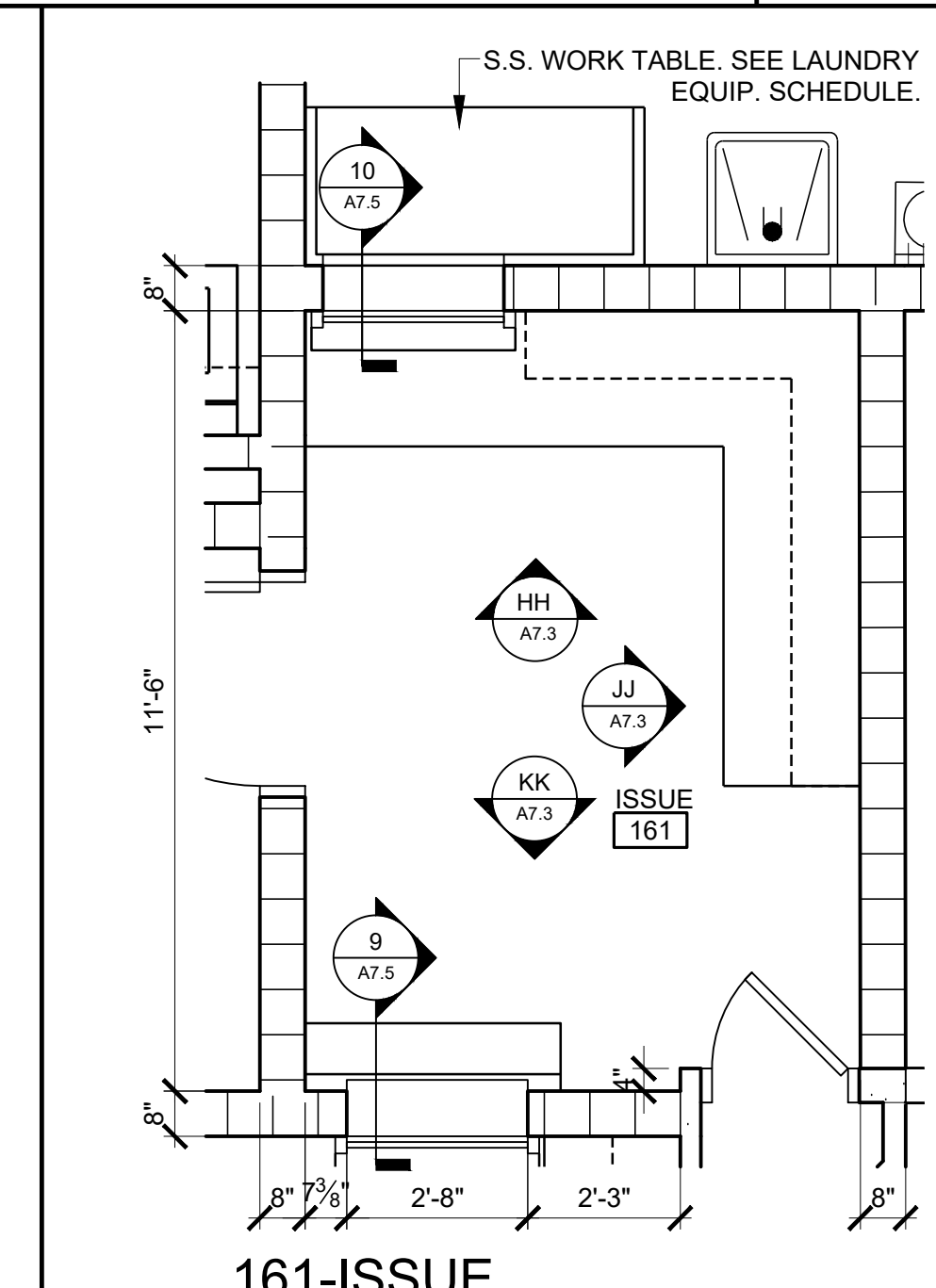
MARBLE THRESHOLD TYP.
SCALE: 6" = 1'-0"



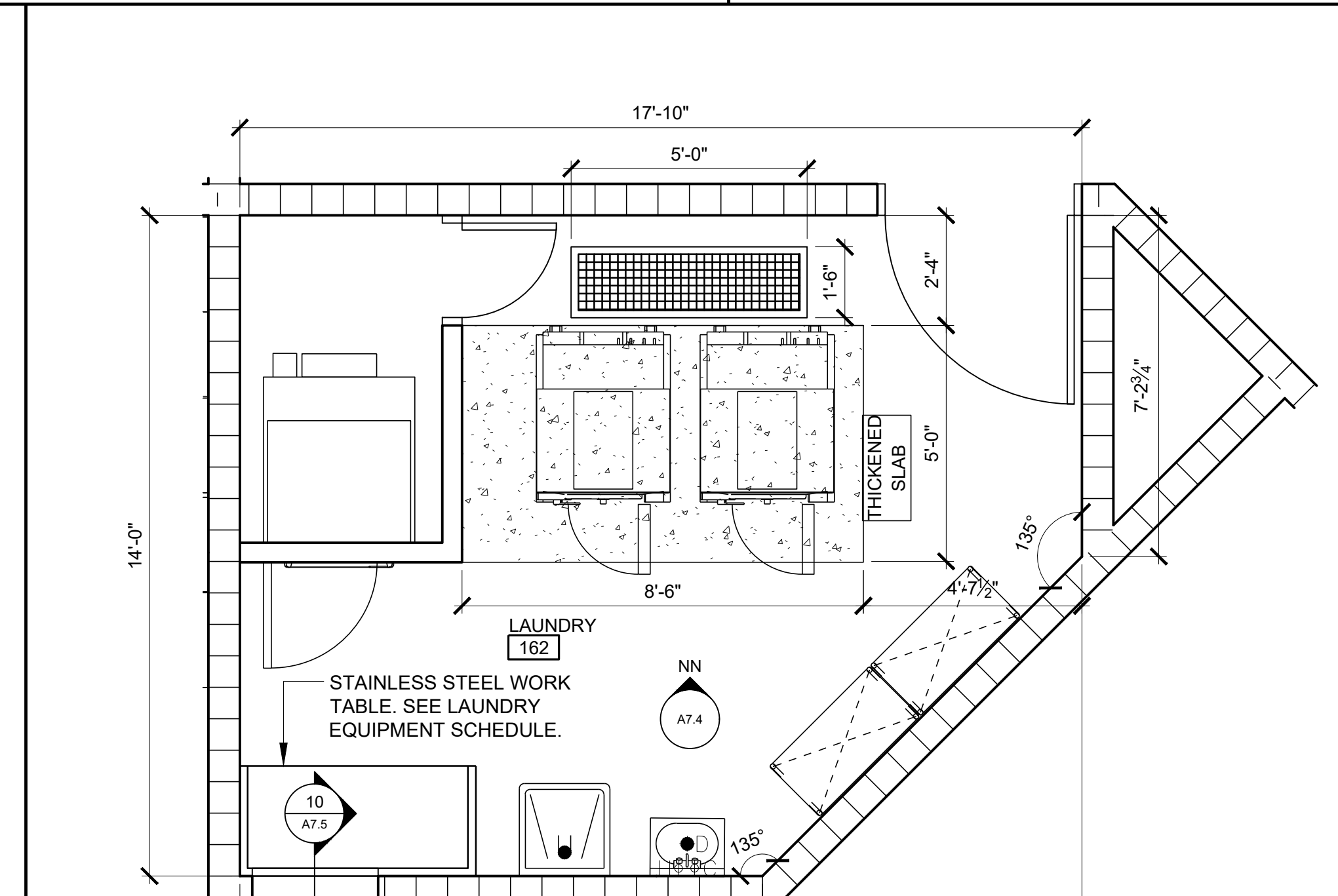
151 / 154-TOILETS & 152 / 153-SHOWERS
LARGE SCALE PLAN
SCALE: 3/8" = 1'-0"



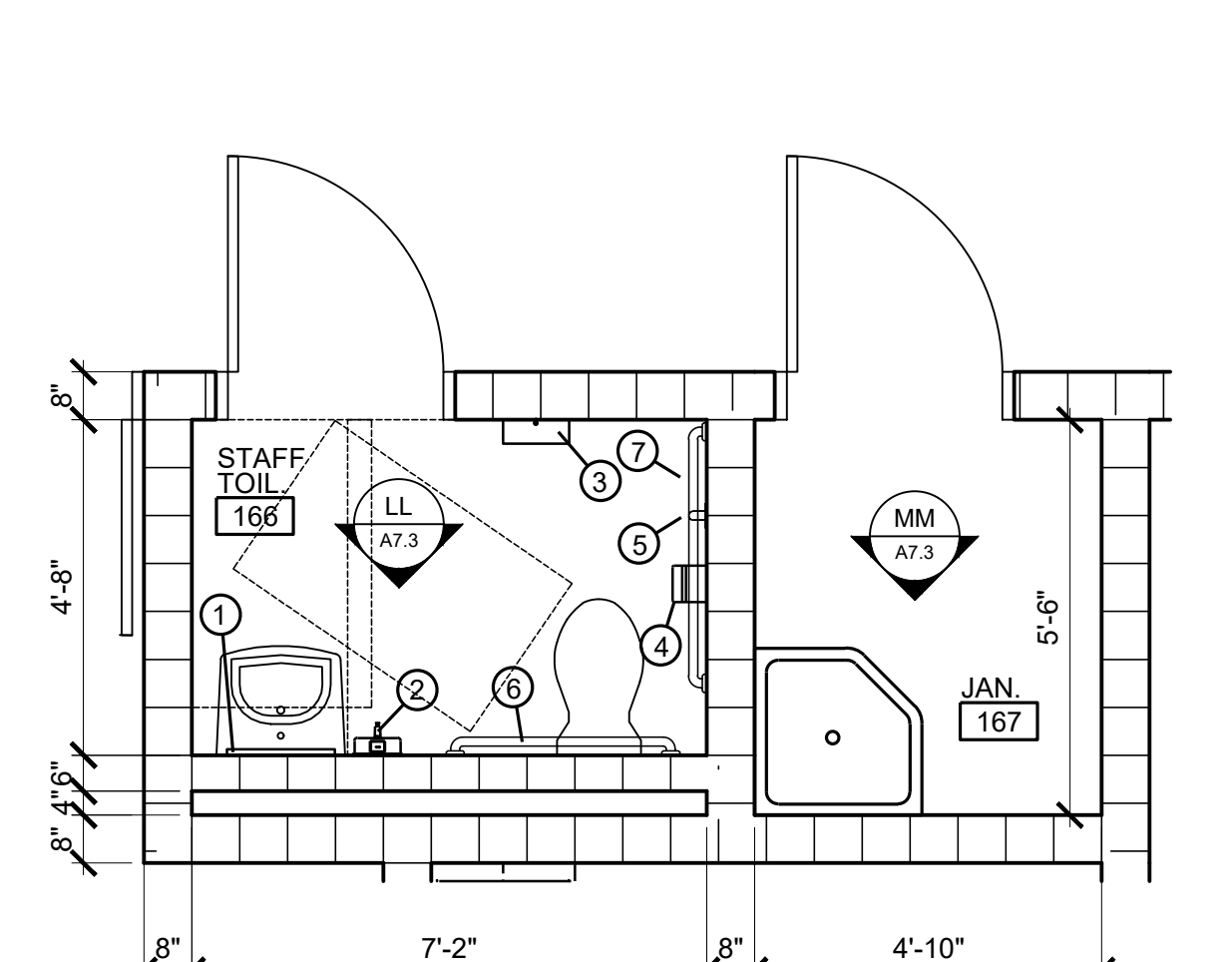
160-SEARCH, 194-SHOWER, 195 SEARCH
LARGE SCALE PLAN
SCALE: 3/8" = 1'-0"



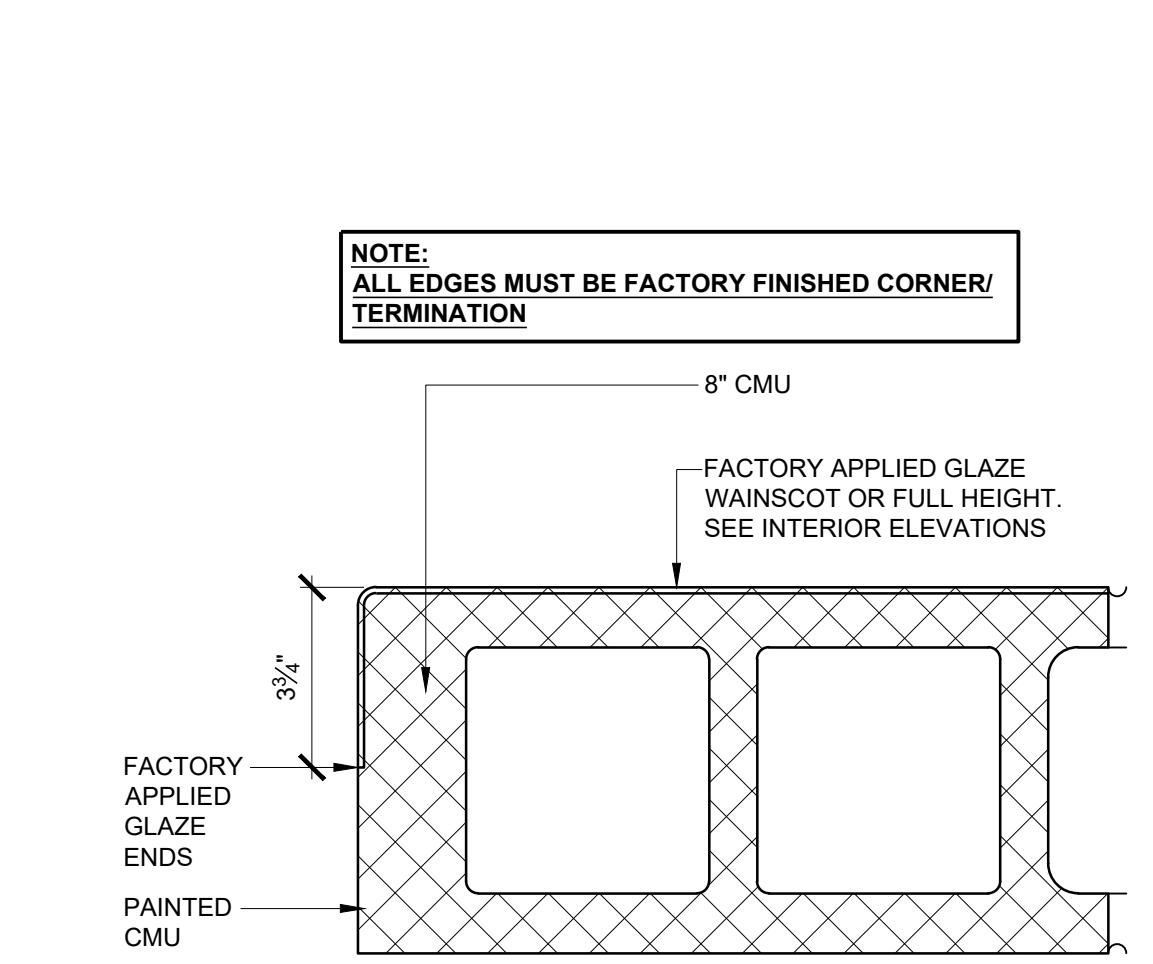
161-ISSUE
LARGE SCALE PLAN
SCALE: 3/8" = 1'-0"



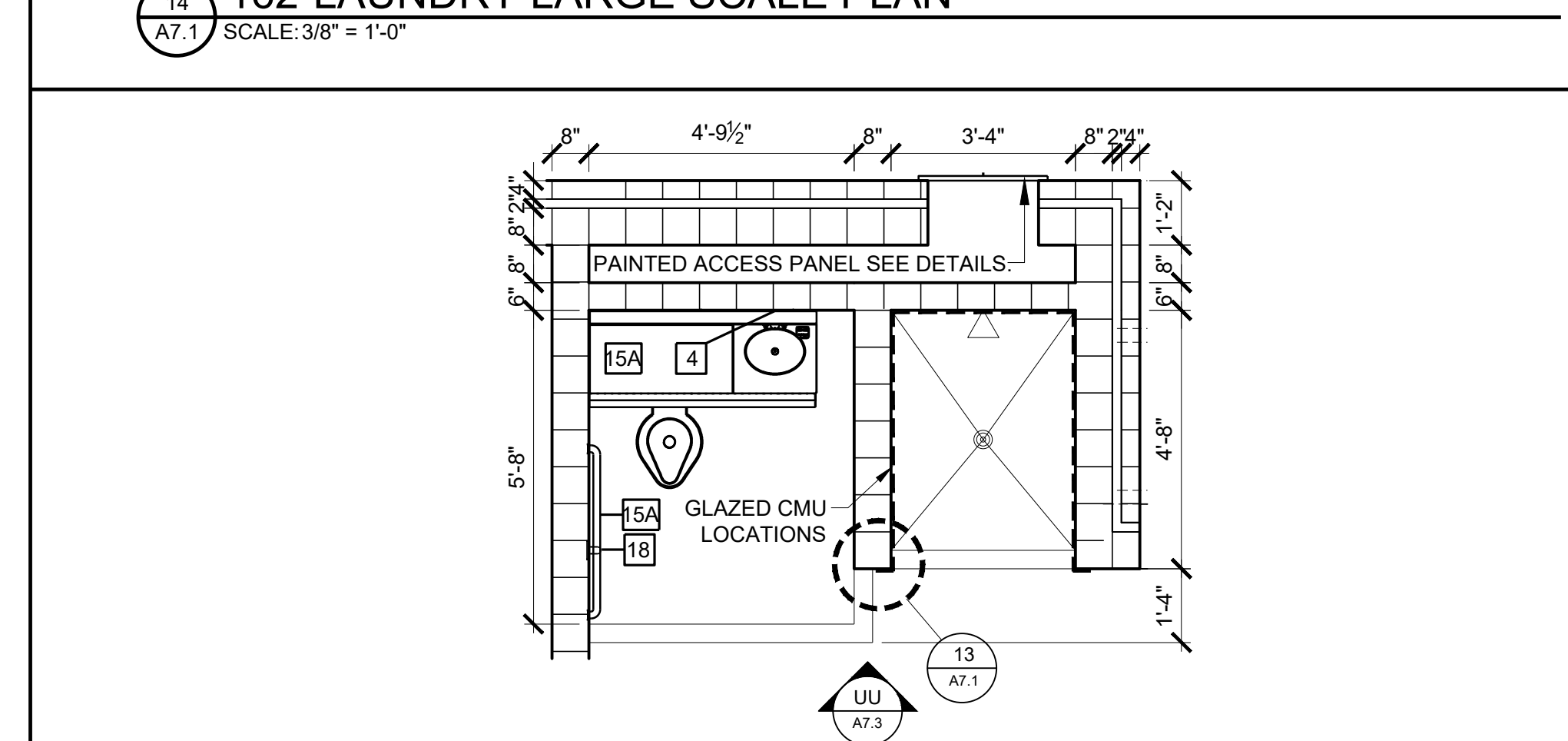
162-LAUNDRY
LARGE SCALE PLAN
SCALE: 3/8" = 1'-0"



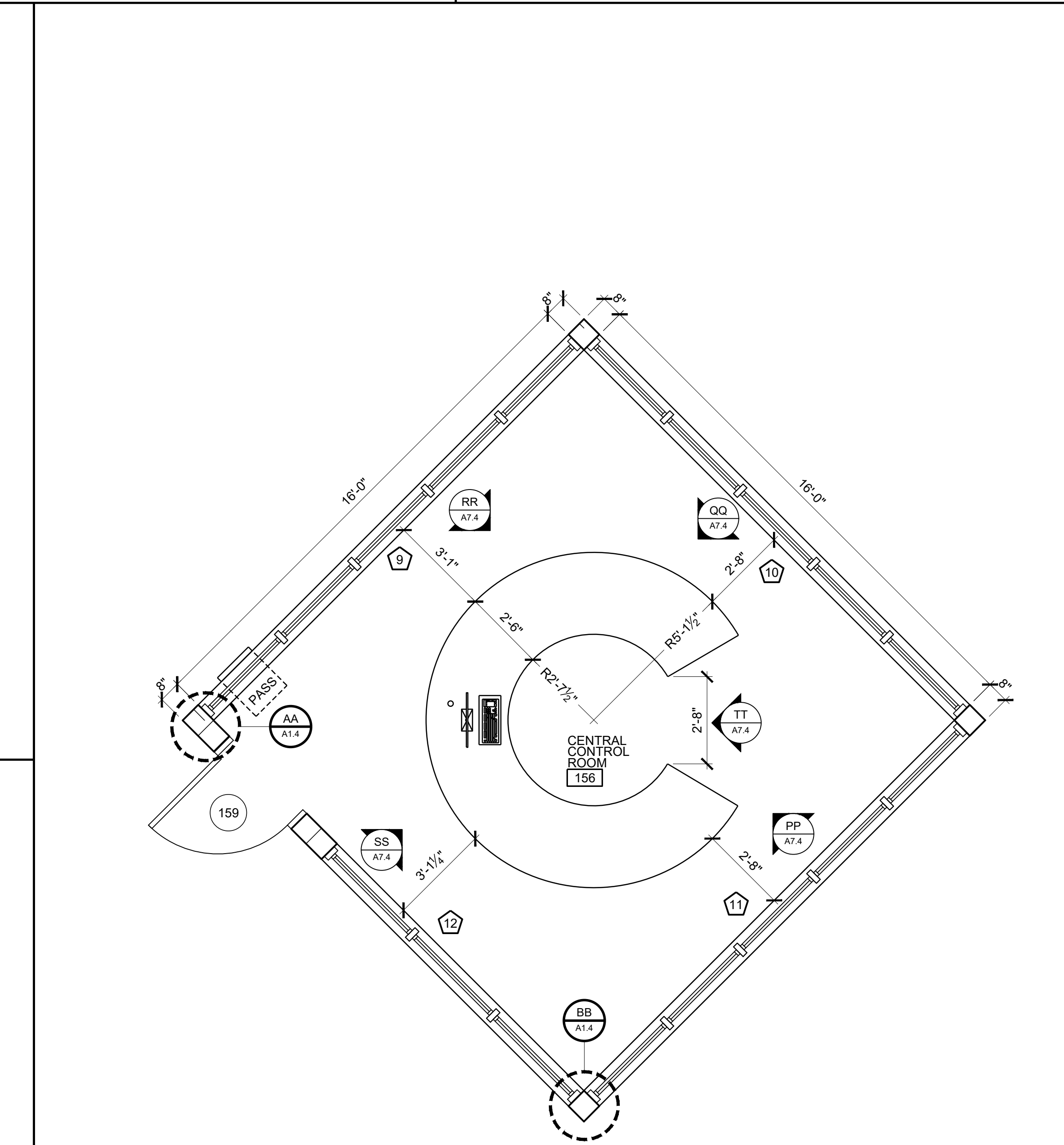
166-STAFF TOILET / 167-JANITOR
LARGE SCALE PLAN
SCALE: 3/8" = 1'-0"



GLAZE BLOCK 8PX
SCALE: 3/8" = 1'-0"



122-TOILET & 123-SHOWER
LARGE SCALE PLAN
SCALE: 3/8" = 1'-0"



156-CENTRAL CONTROL ROOM
LARGE SCALE PLAN
SCALE: 3/8" = 1'-0"

CONSTRUCTION DOCUMENTS

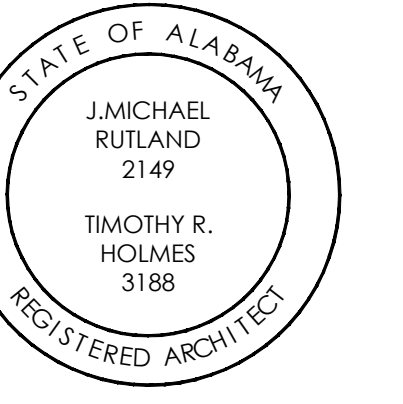
Project Number: 22-1189
Date: 30 MAY 2024
Revisions:

Sheet Description

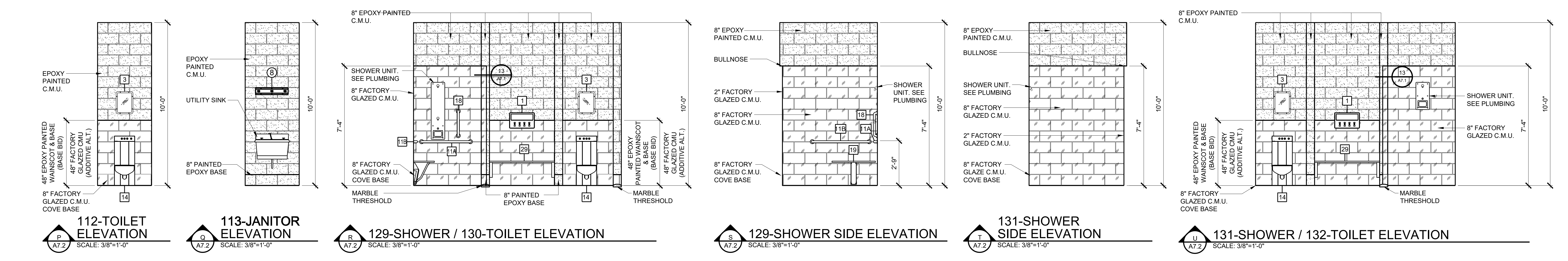
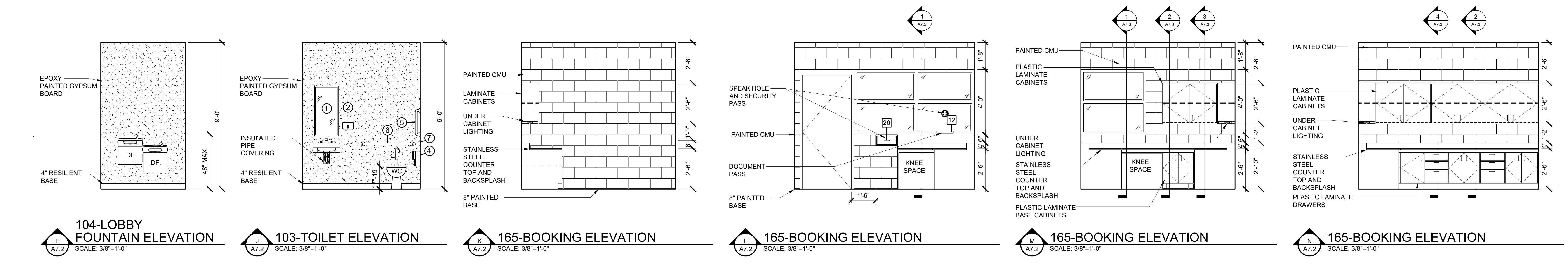
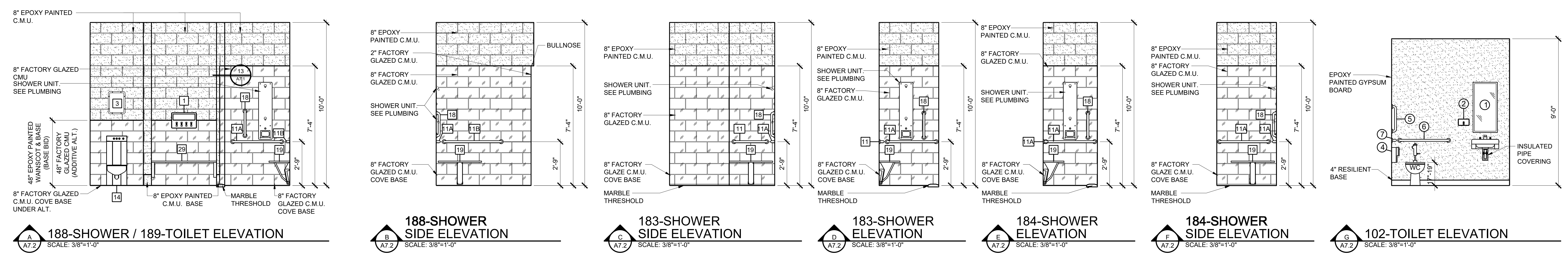
LARGE SCALES & DETAILS

Sheet Number

A7.1



**CHOCTAW COUNTY JAIL
 BUTLER,
 ALABAMA**



CONSTRUCTION DOCUMENTS

Project Number: 22-1189
 Date: 30 MAY 2024
 Revisions:

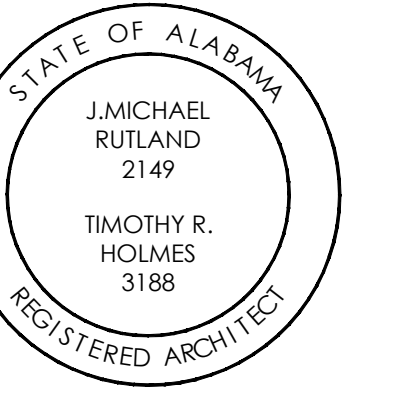
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INTERIOR ELEVATIONS

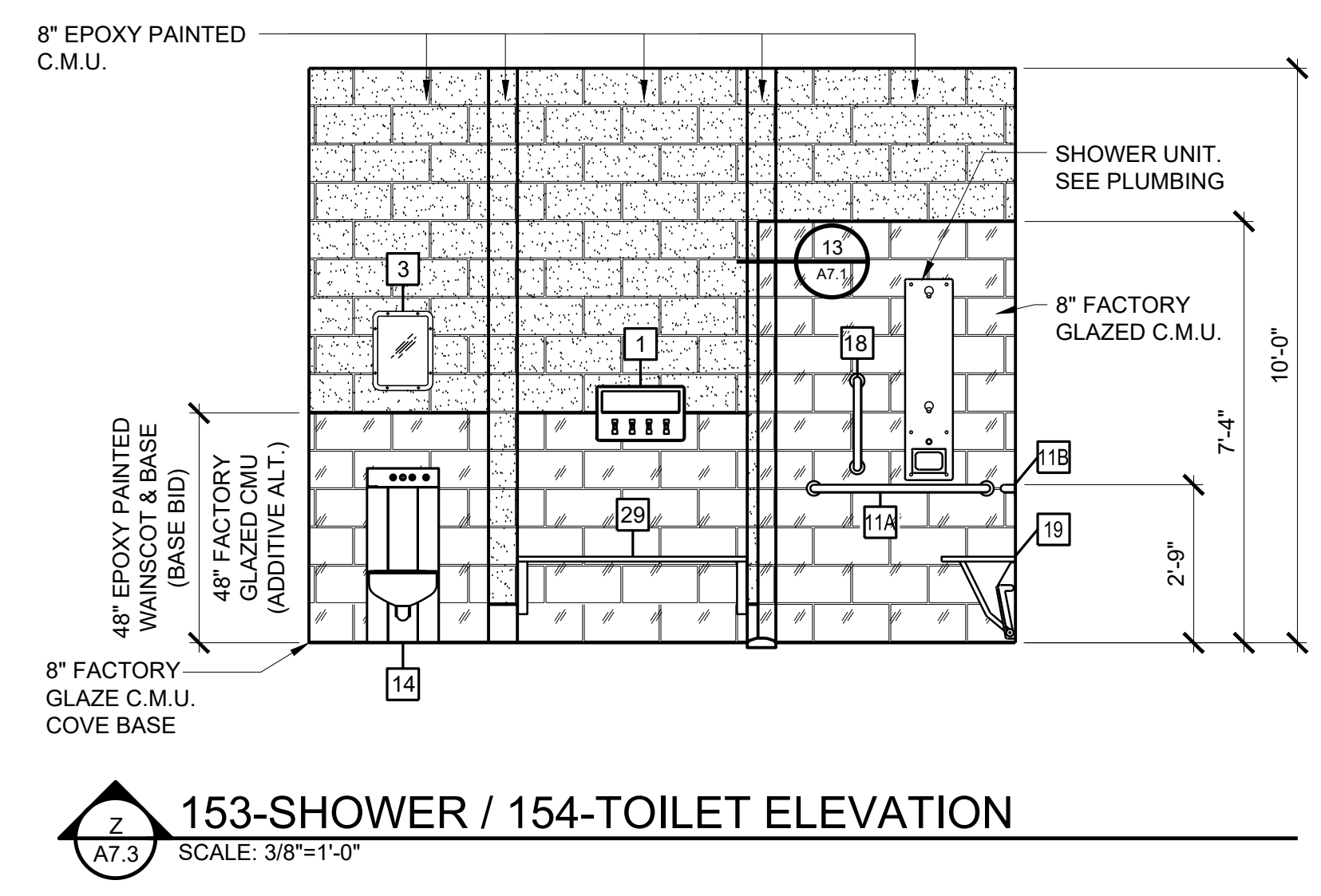
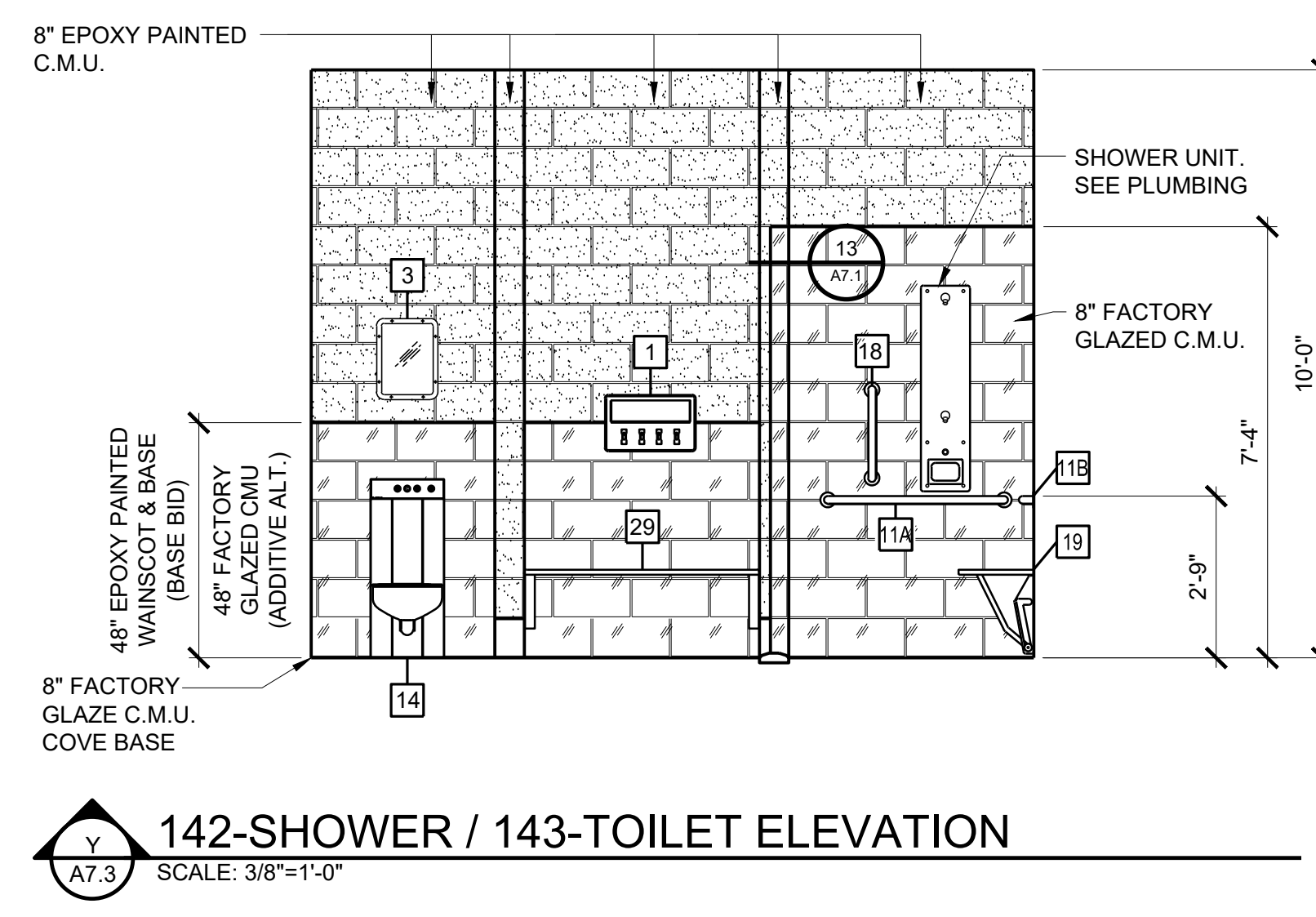
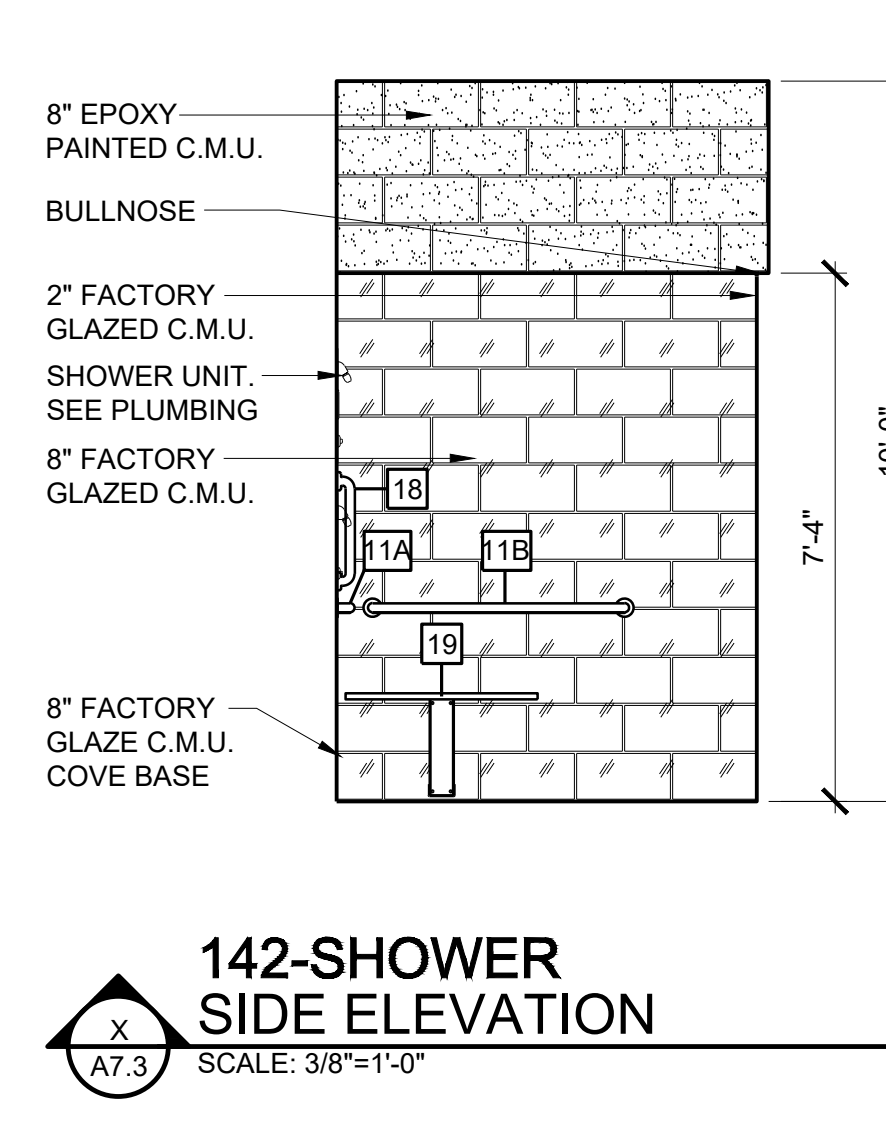
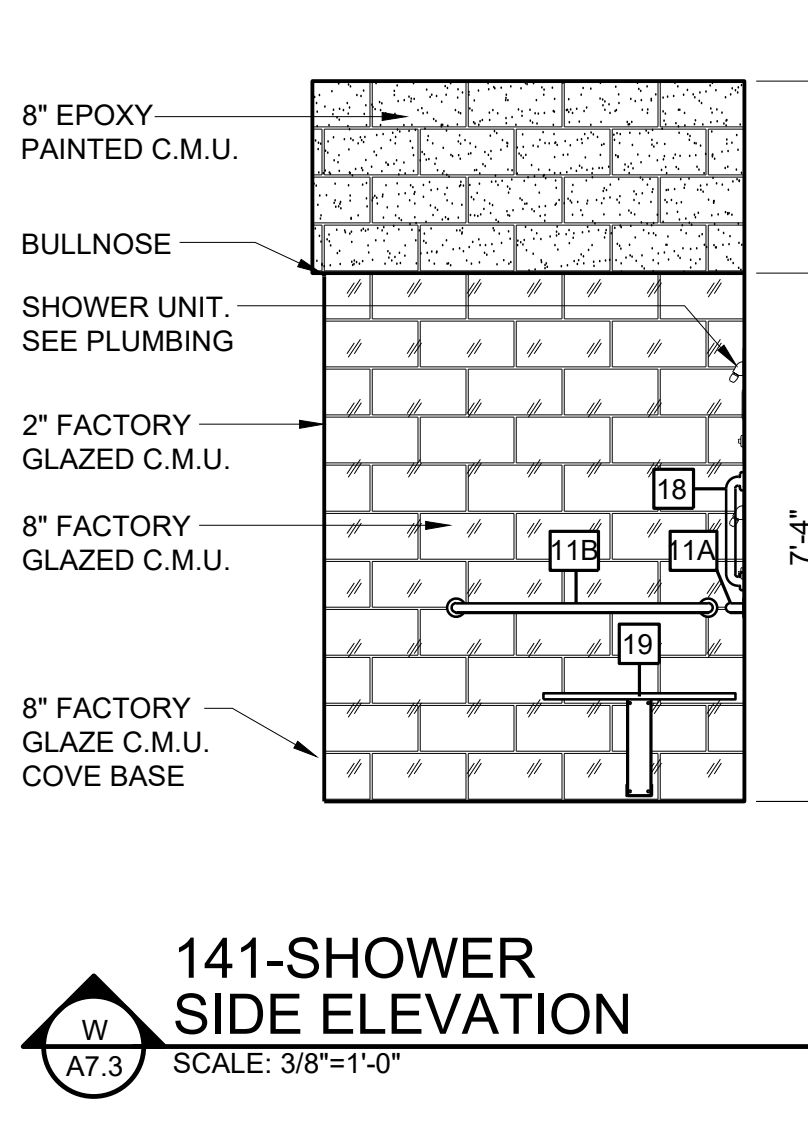
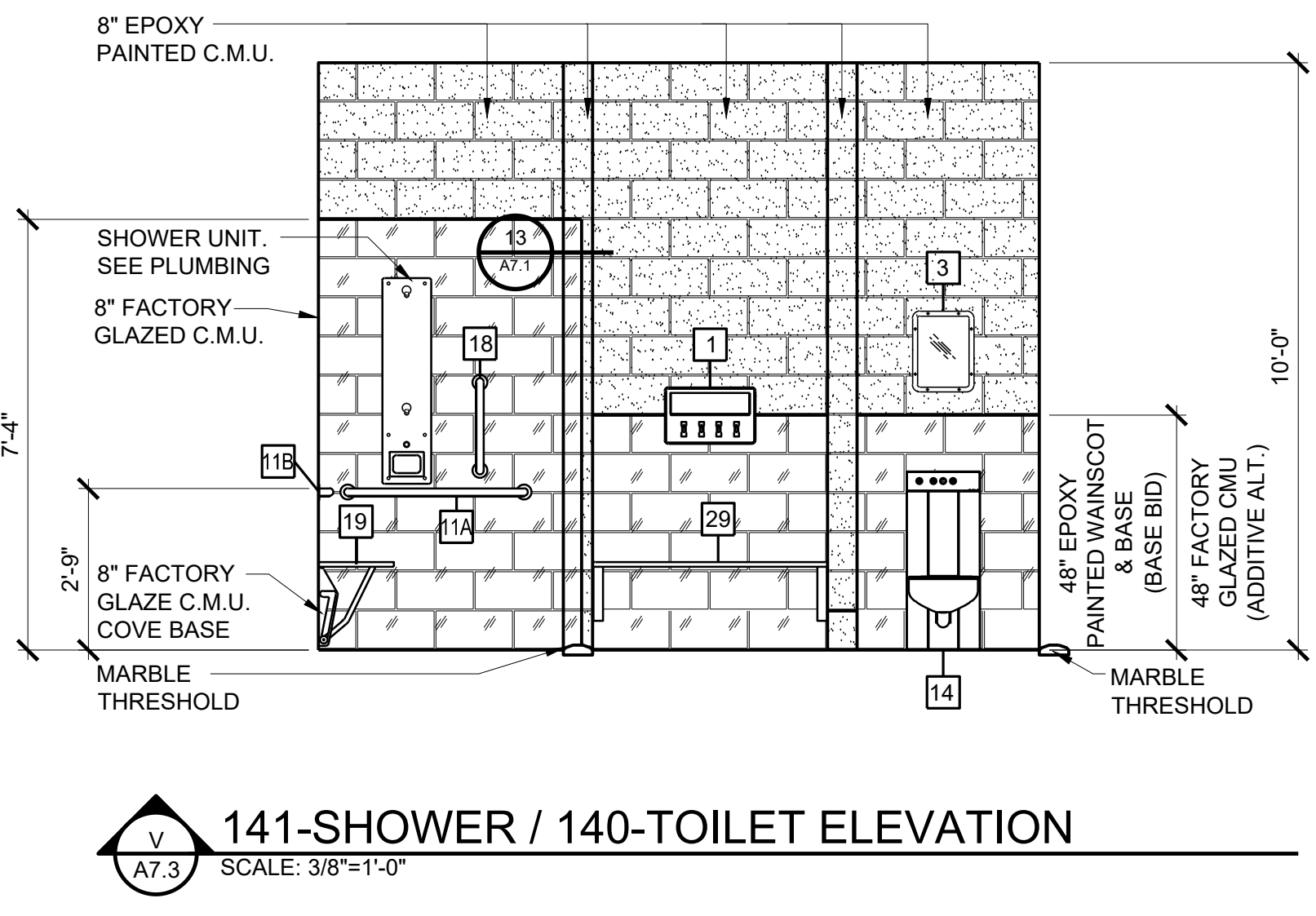
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A7.2

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**CHOCTAW COUNTY JAIL
BUTLER,
ALABAMA**



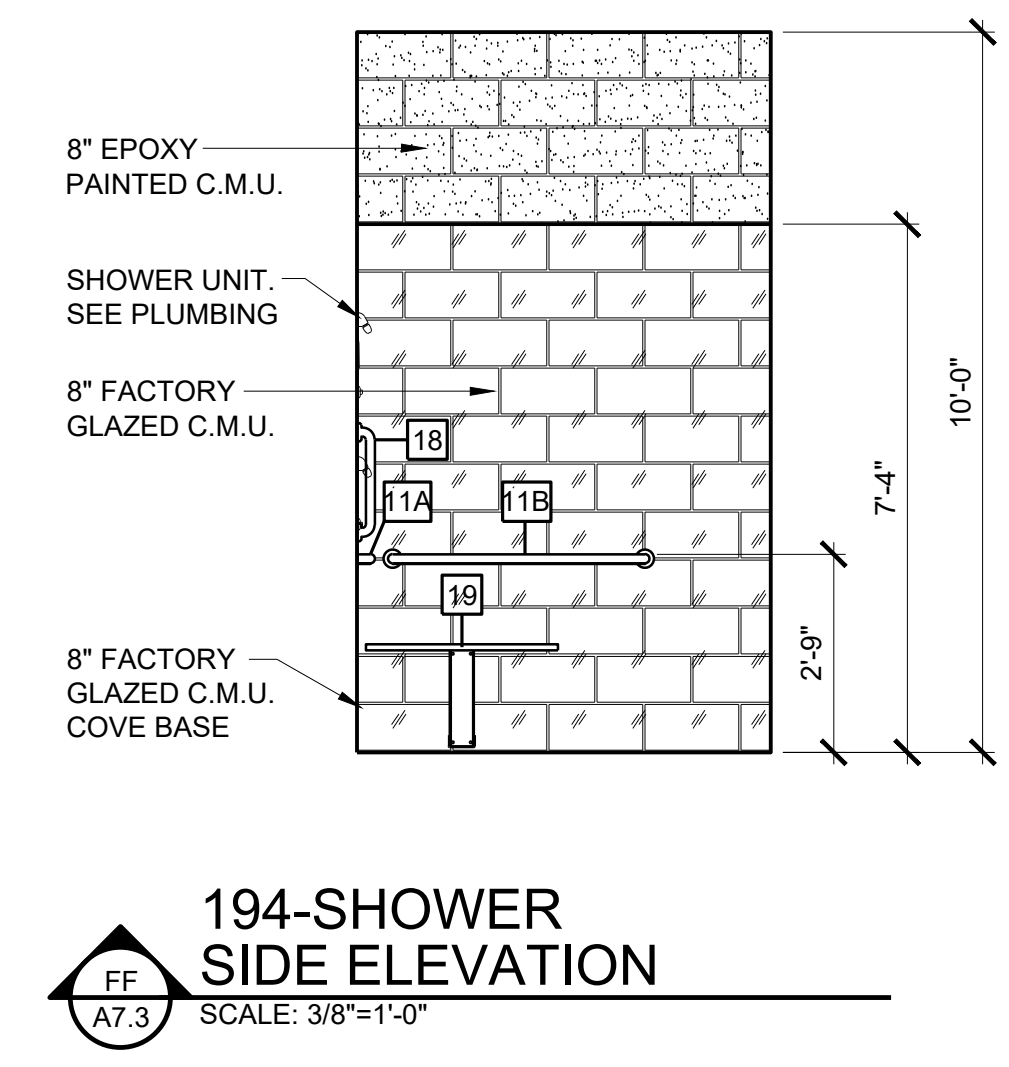
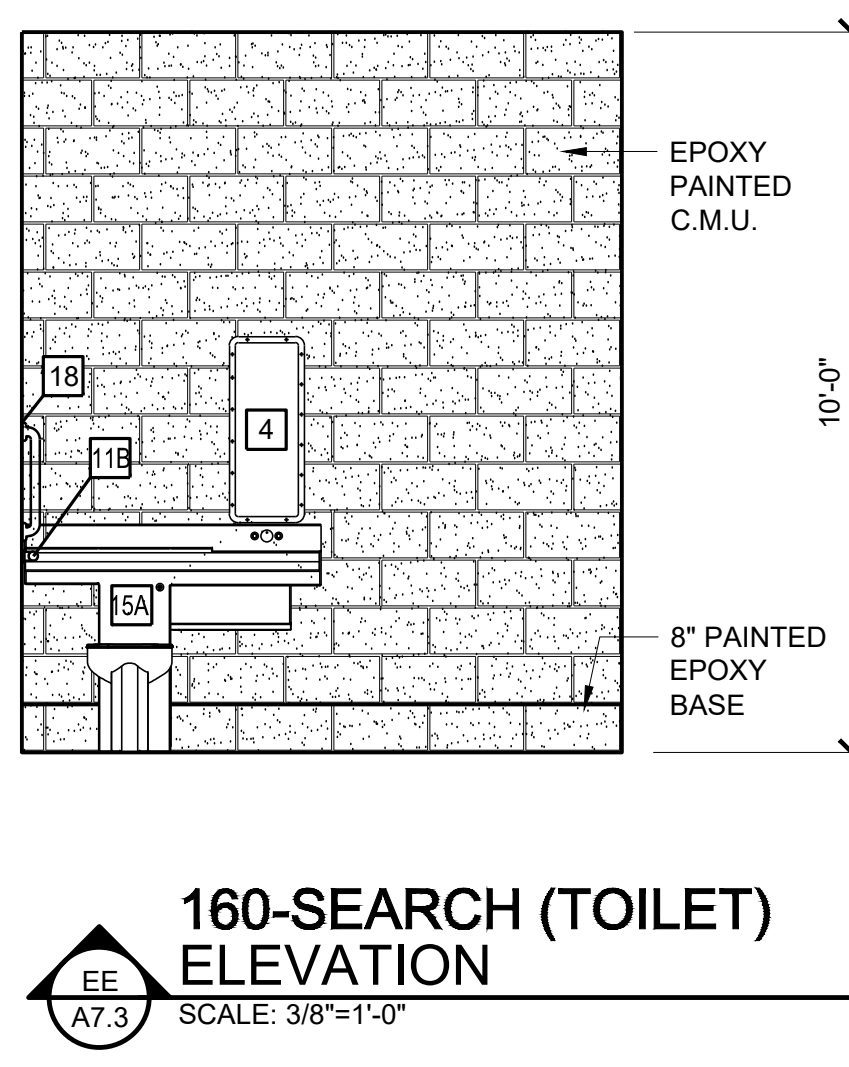
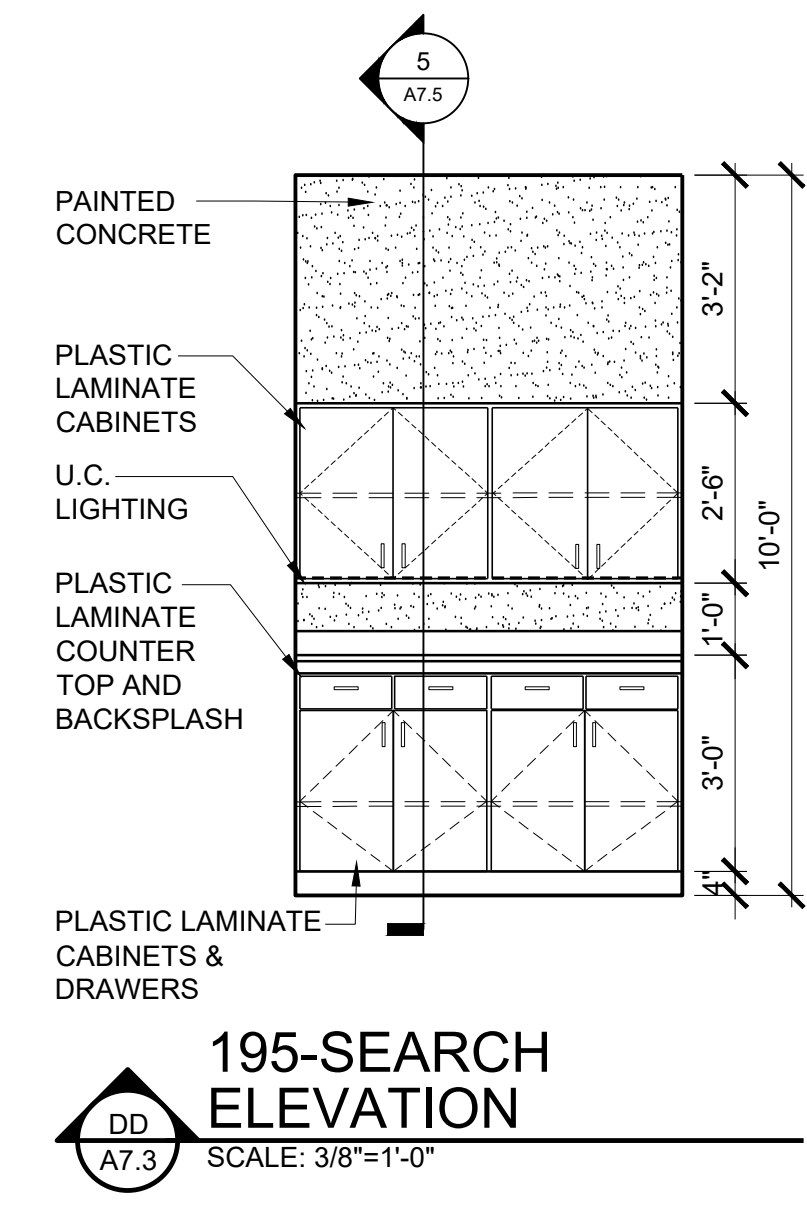
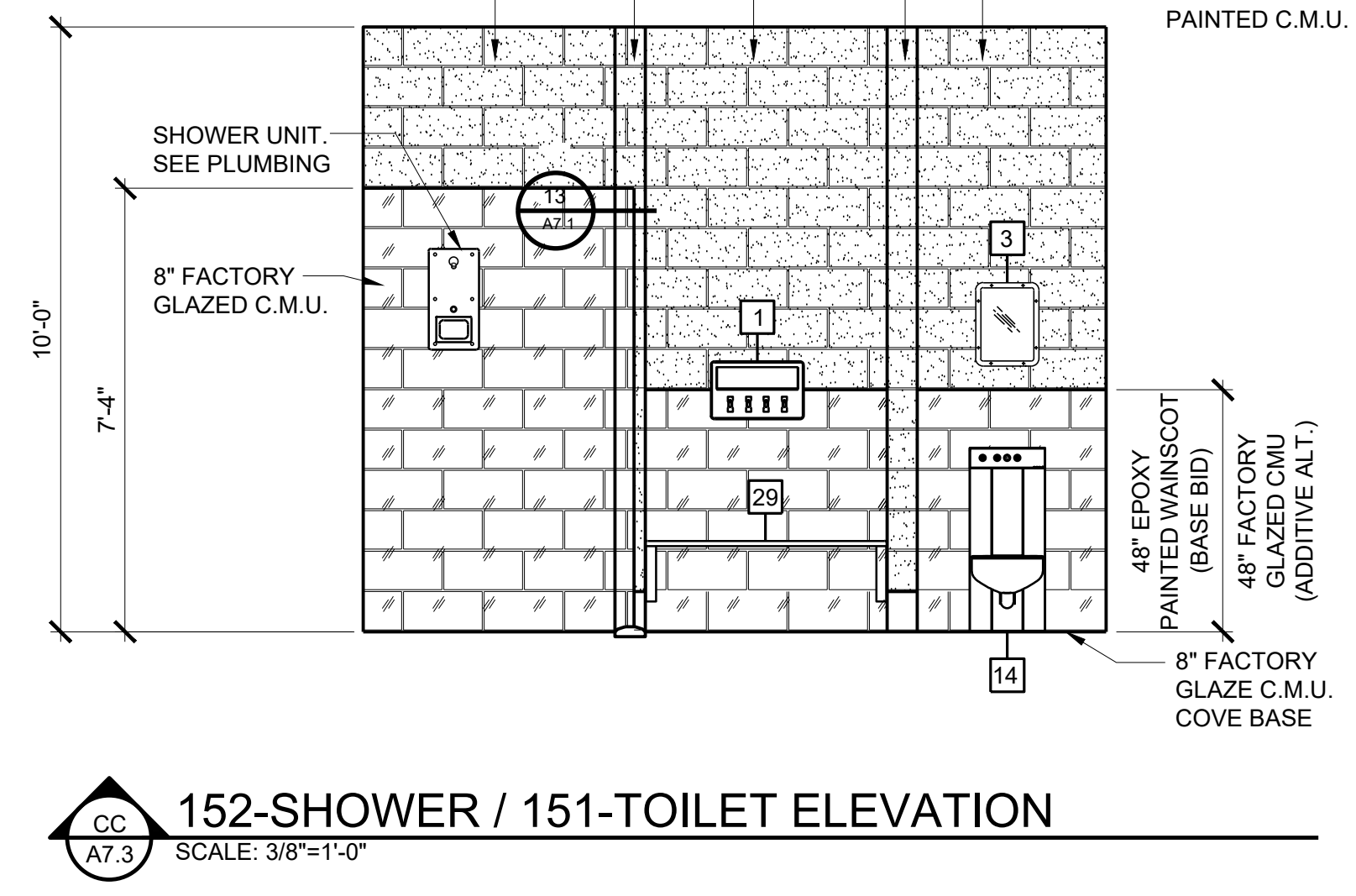
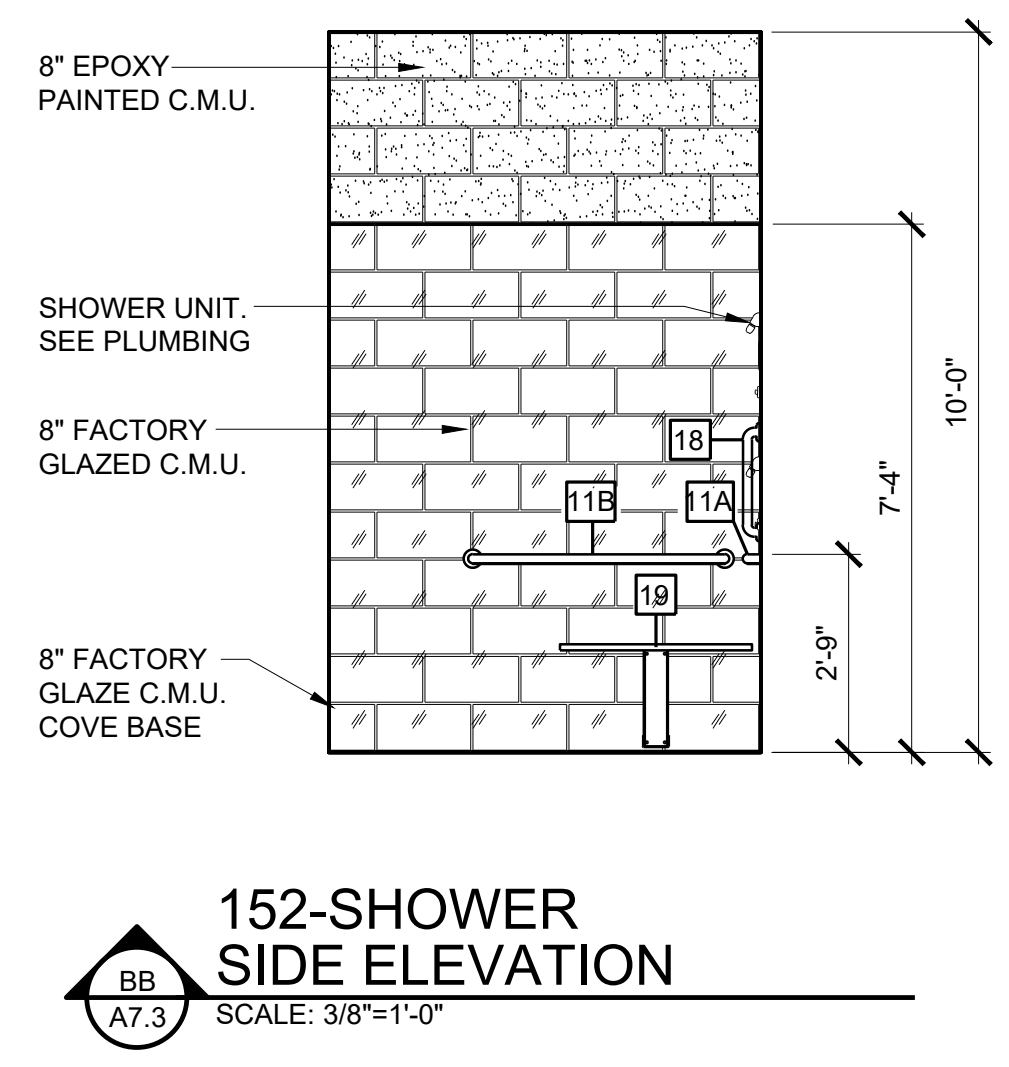
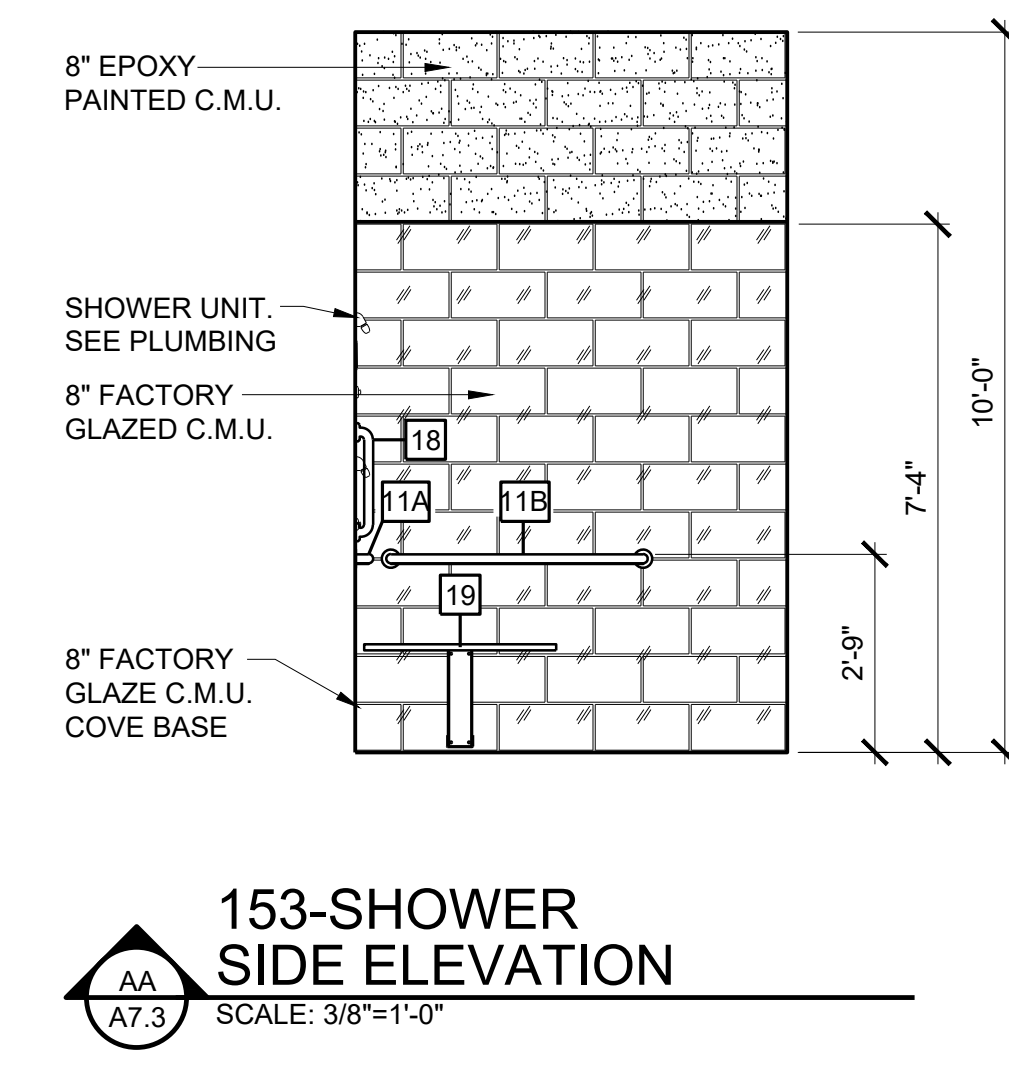
141-SHOWER / 140-TOILET ELEVATION
SCALE: 3/8"=1'-0"

**141-SHOWER
SIDE ELEVATION**
SCALE: 3/8"=1'-0"

**142-SHOWER
SIDE ELEVATION**
SCALE: 3/8"=1'-0"

142-SHOWER / 143-TOILET ELEVATION
SCALE: 3/8"=1'-0"

153-SHOWER / 154-TOILET ELEVATION
SCALE: 3/8"=1'-0"



**153-SHOWER
SIDE ELEVATION**
SCALE: 3/8"=1'-0"

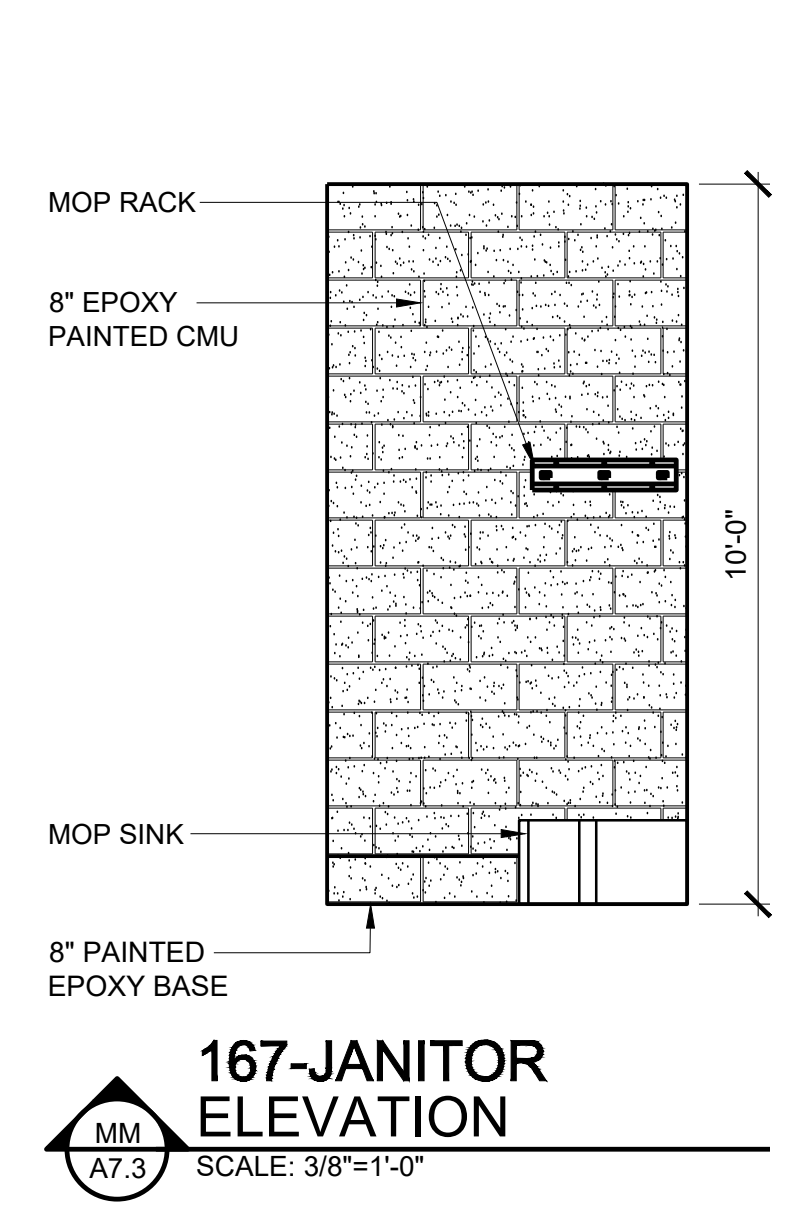
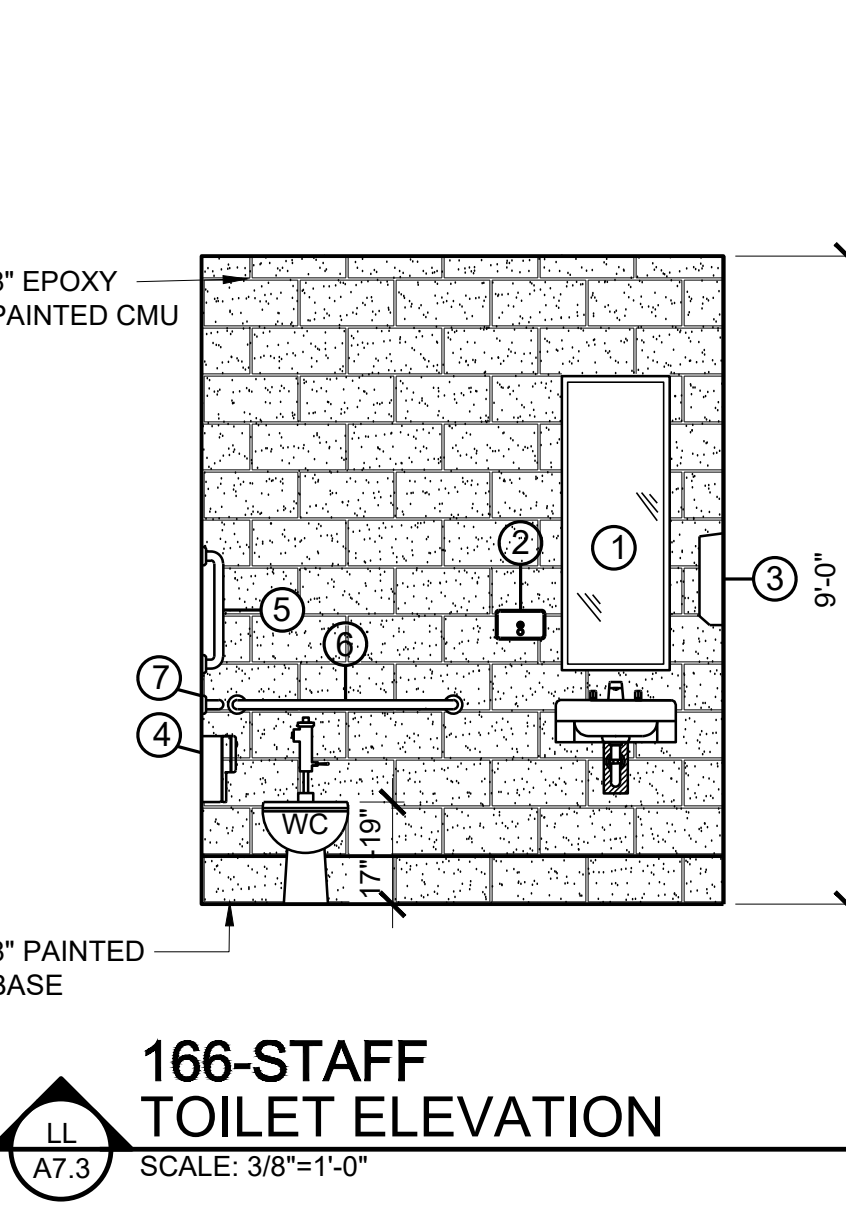
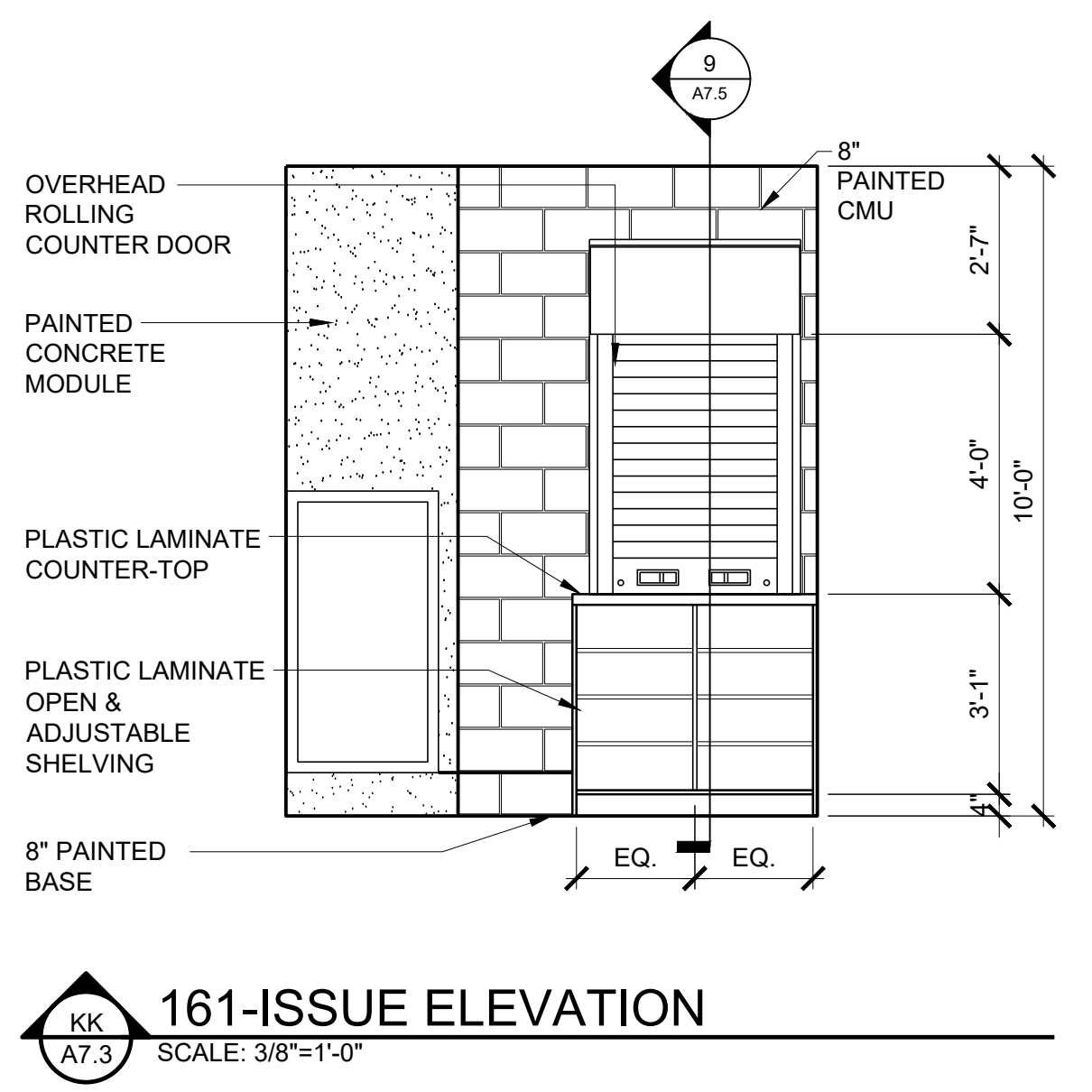
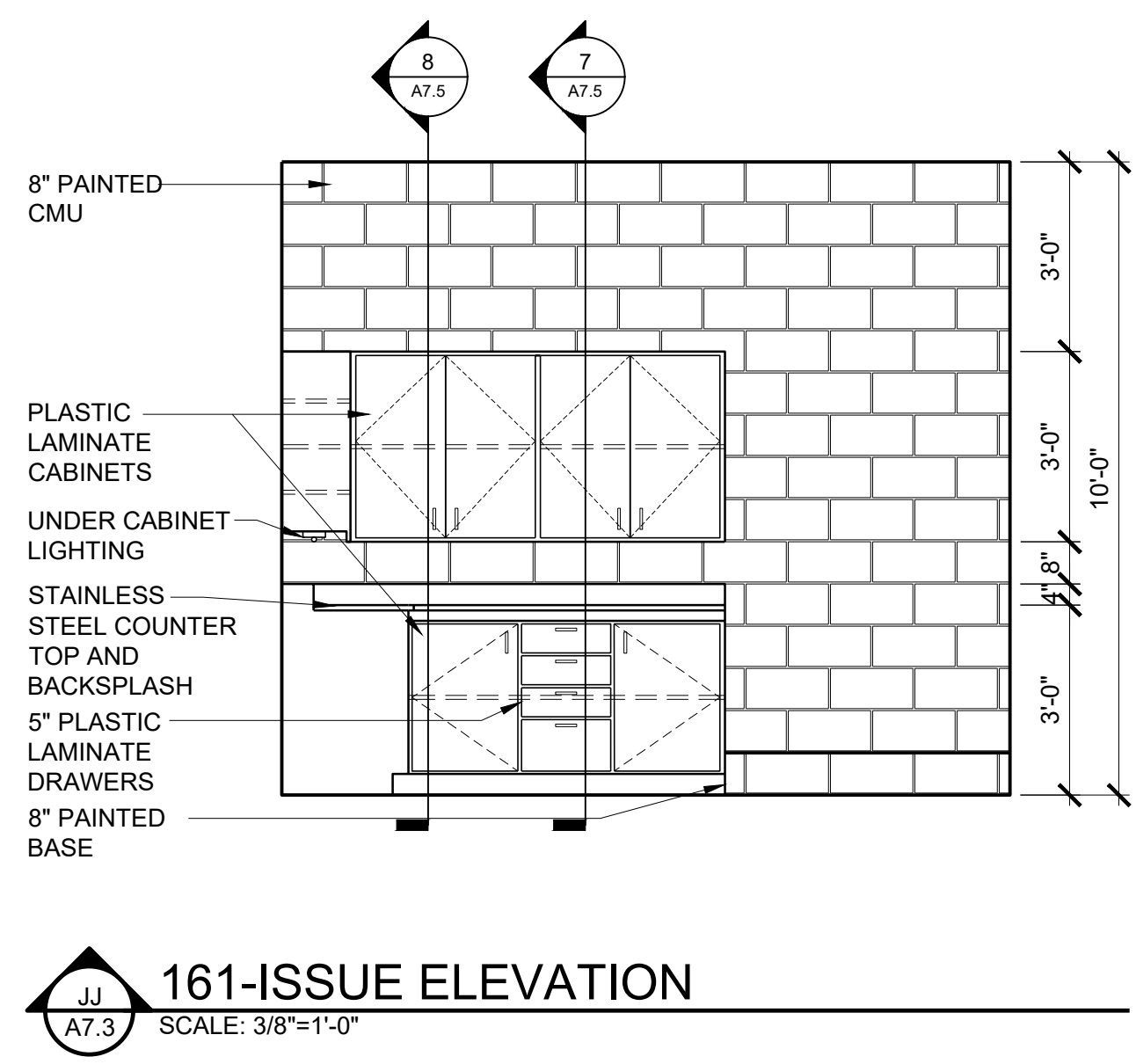
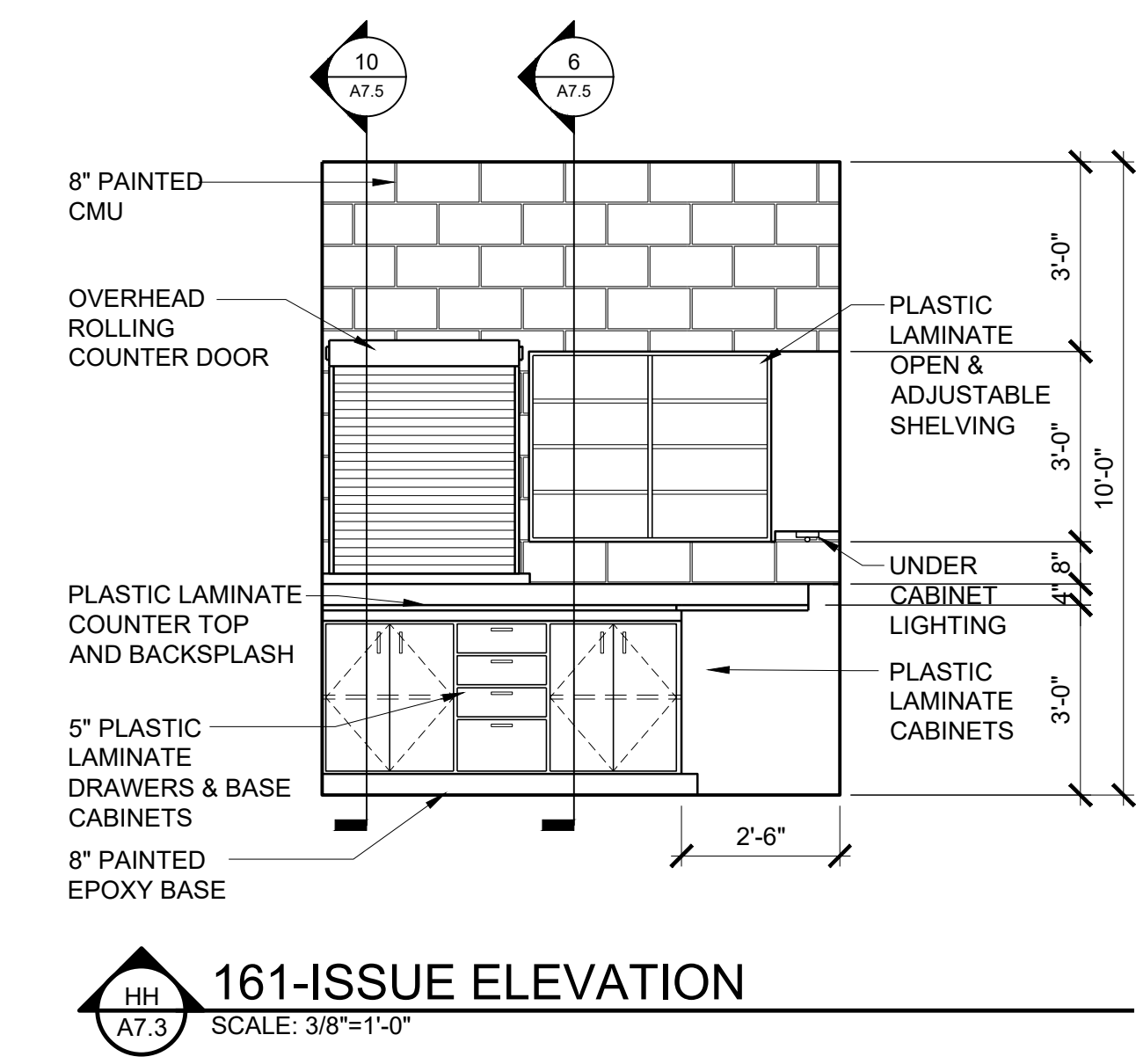
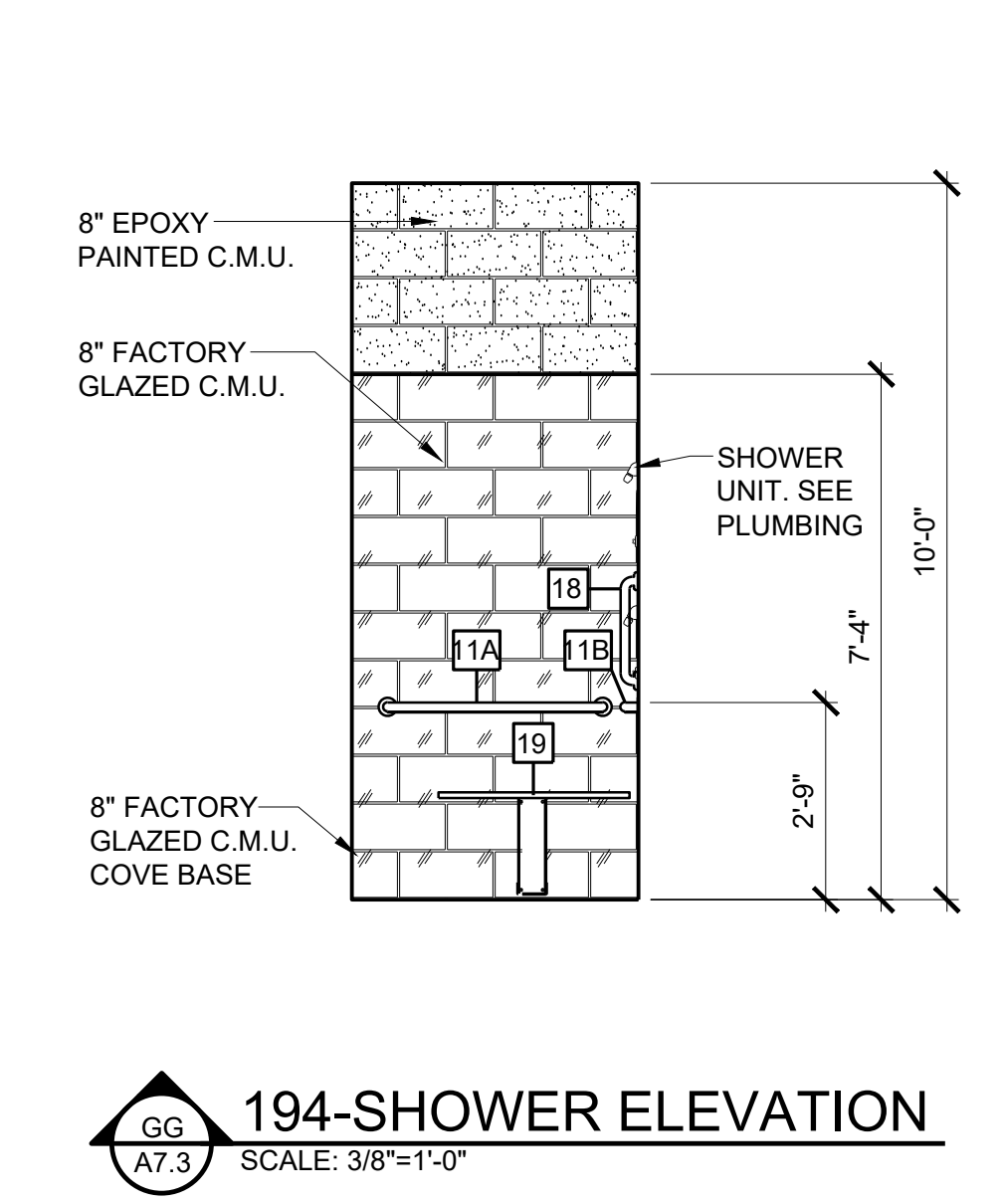
**152-SHOWER
SIDE ELEVATION**
SCALE: 3/8"=1'-0"

152-SHOWER / 151-TOILET ELEVATION
SCALE: 3/8"=1'-0"

**195-SEARCH
ELEVATION**
SCALE: 3/8"=1'-0"

**160-SEARCH (TOILET)
ELEVATION**
SCALE: 3/8"=1'-0"

**194-SHOWER
SIDE ELEVATION**
SCALE: 3/8"=1'-0"



194-SHOWER ELEVATION
SCALE: 3/8"=1'-0"

161-ISSUE ELEVATION
SCALE: 3/8"=1'-0"

161-ISSUE ELEVATION
SCALE: 3/8"=1'-0"

161-ISSUE ELEVATION
SCALE: 3/8"=1'-0"

**166-STAFF
TOILET ELEVATION**
SCALE: 3/8"=1'-0"

**167-JANITOR
ELEVATION**
SCALE: 3/8"=1'-0"

**CONSTRUCTION
DOCUMENTS**

Project Number: 22-1189
Date: 30 MAY 2024
Revisions:

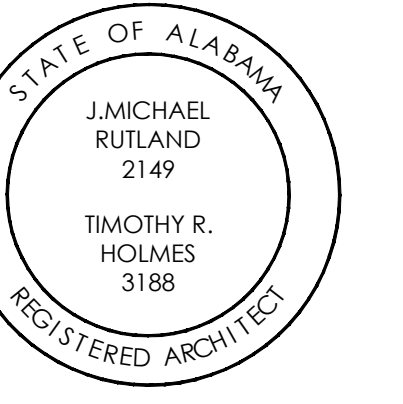
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**INTERIOR
ELEVATIONS**

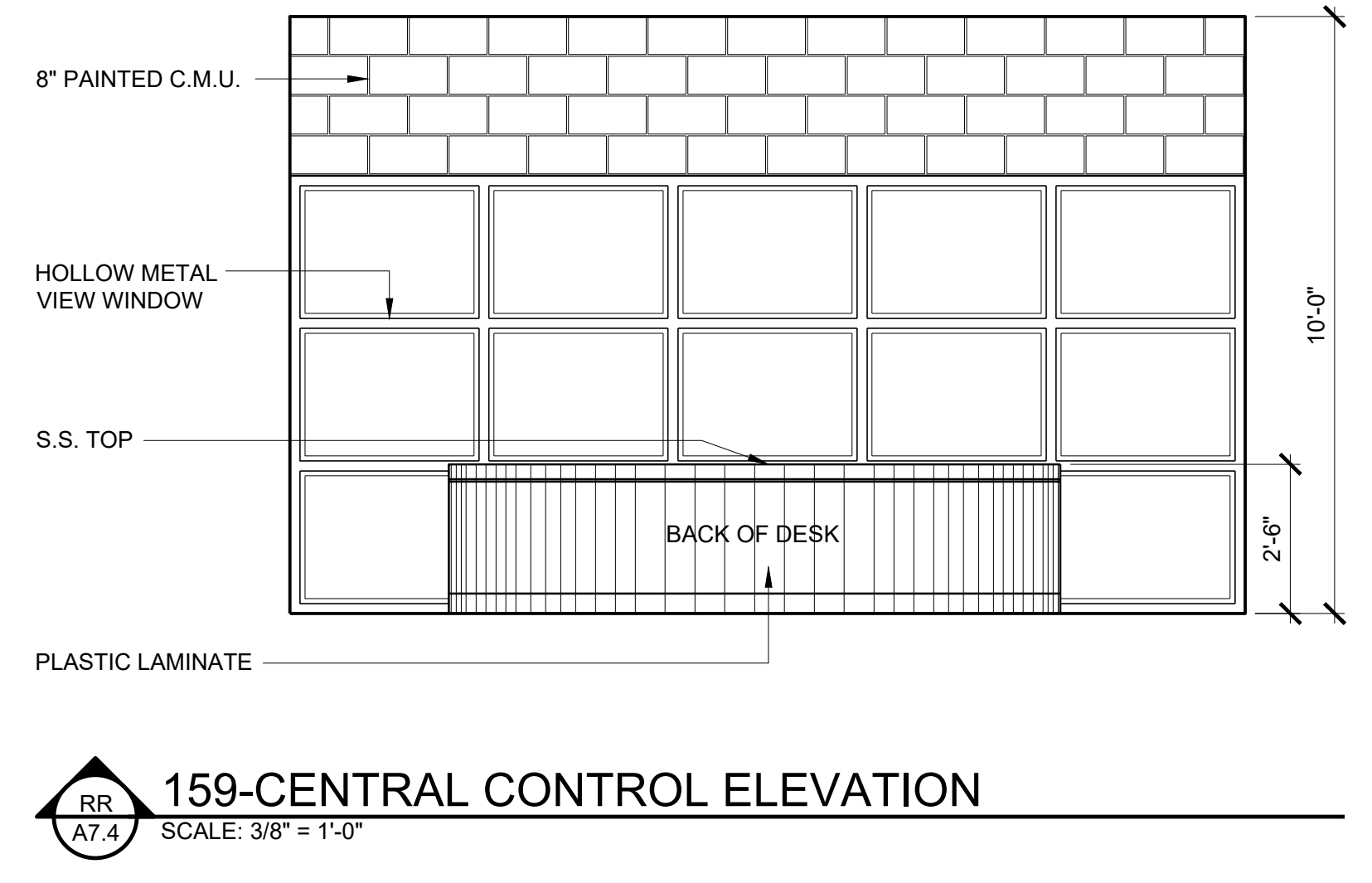
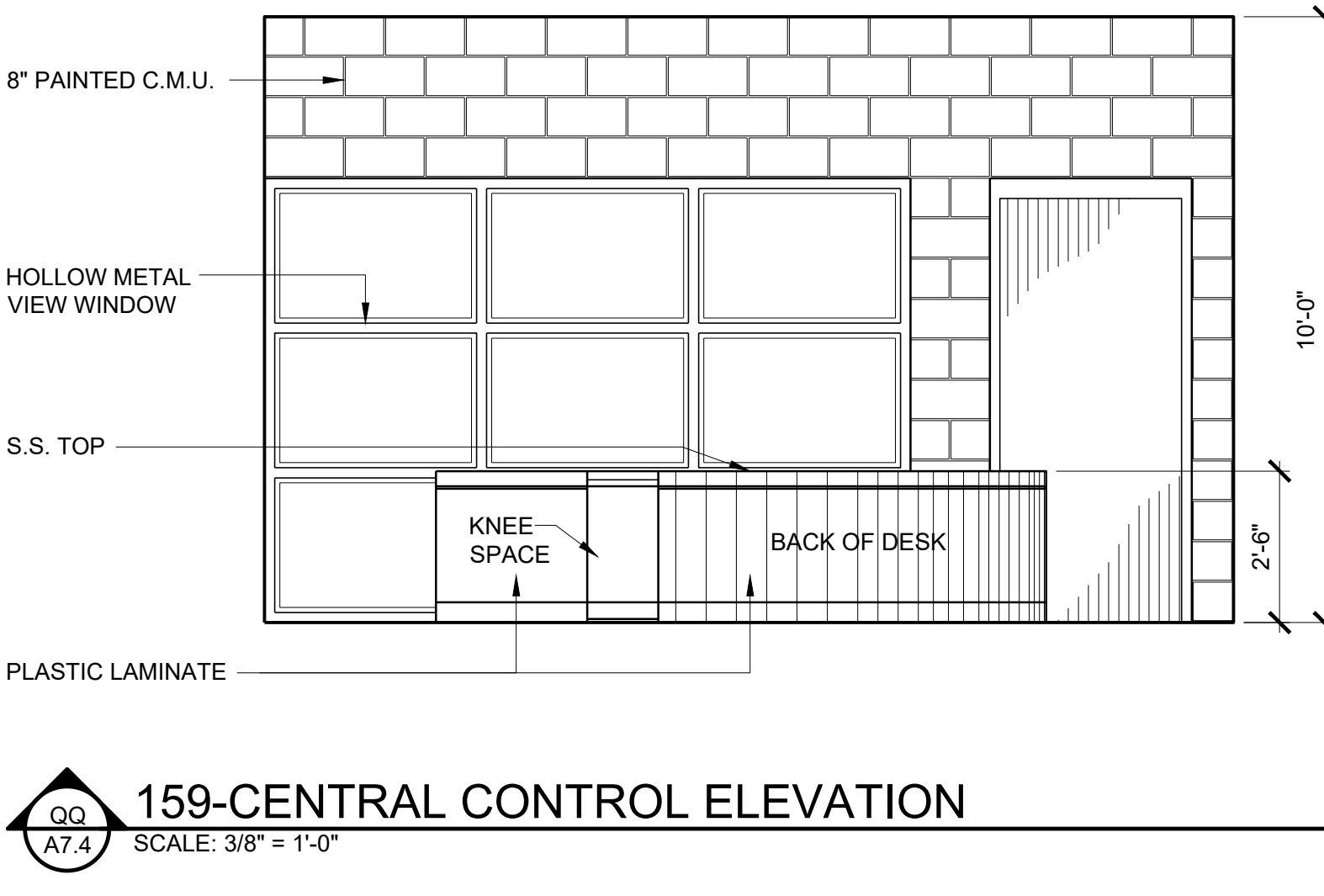
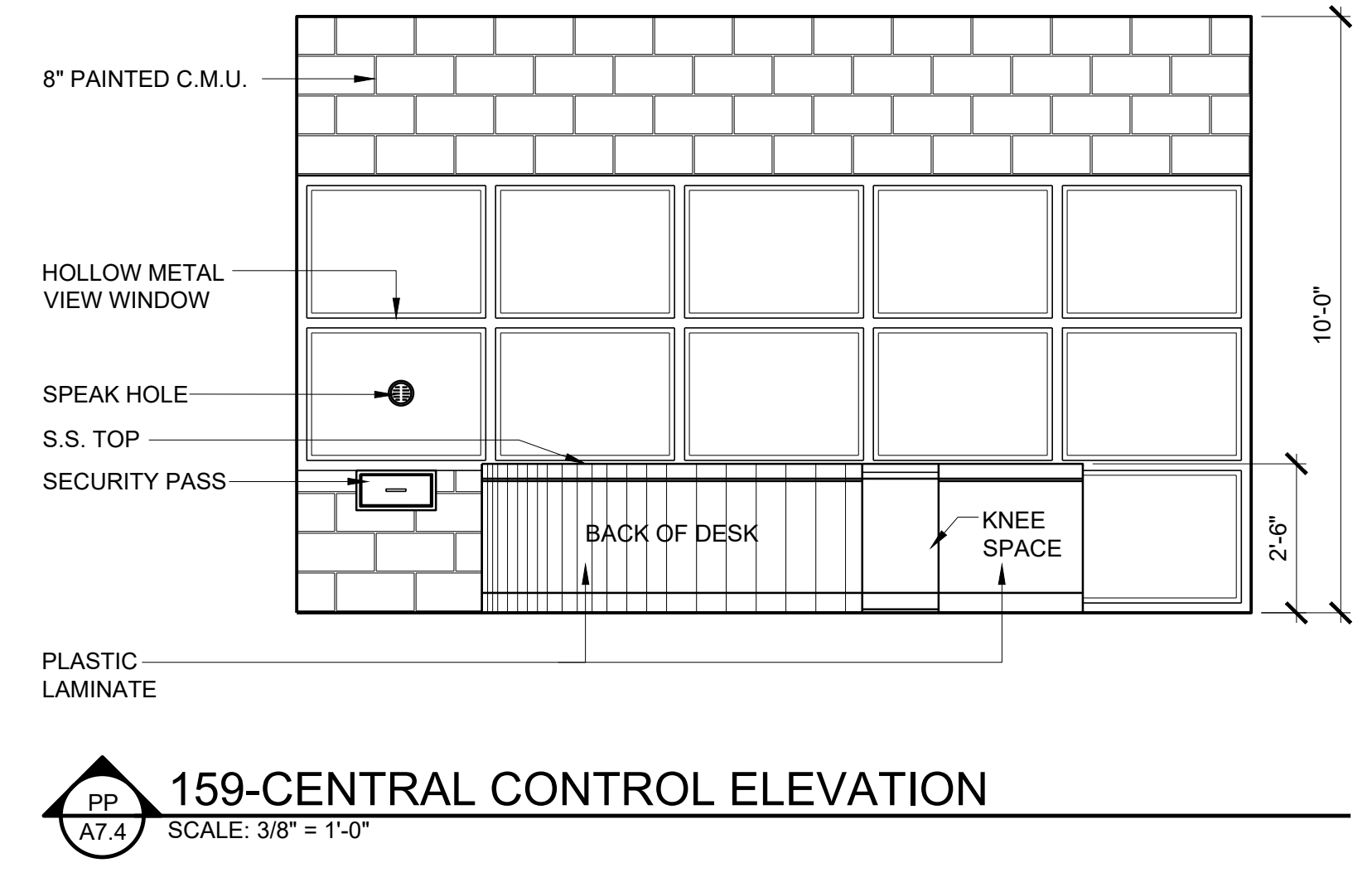
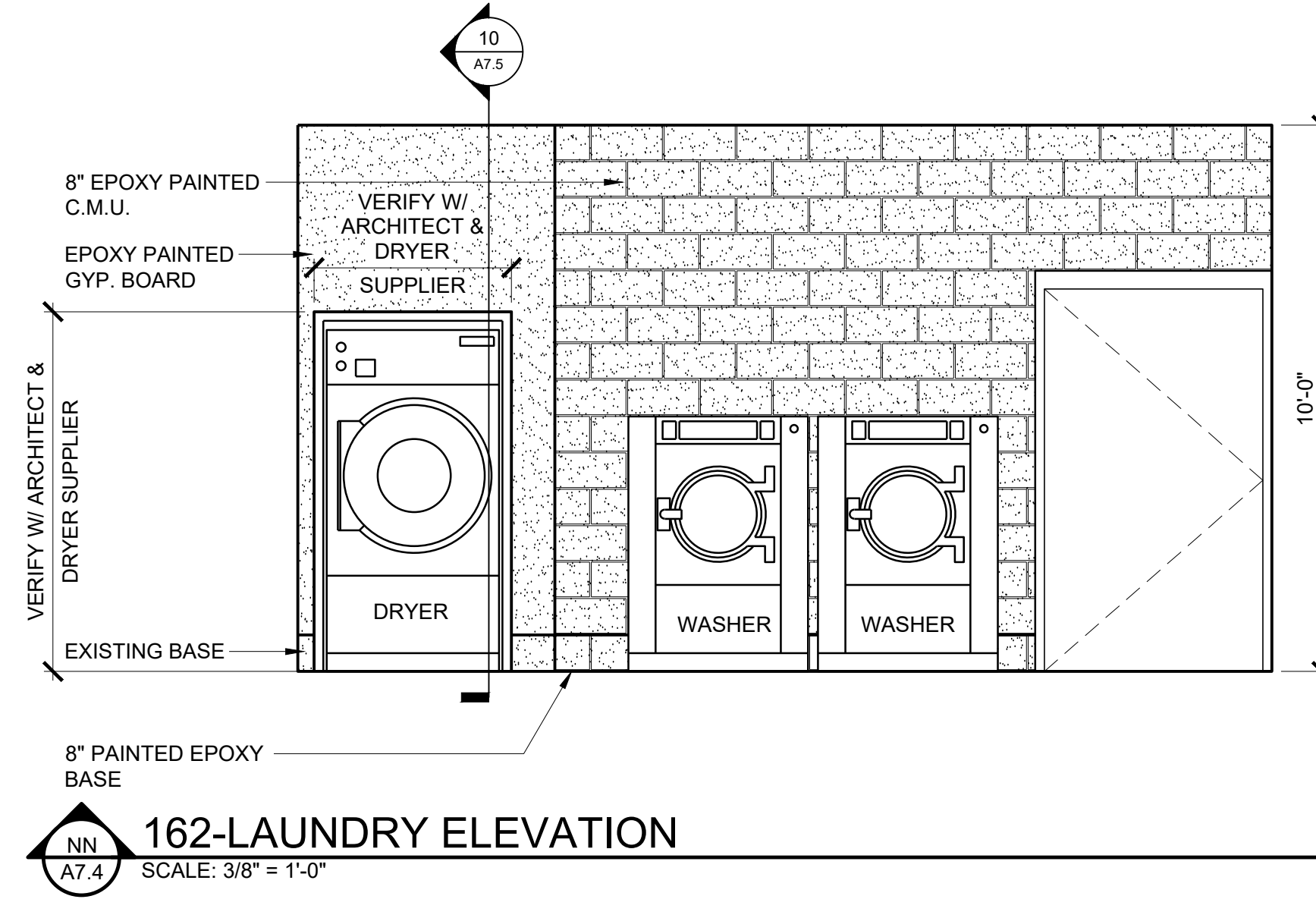
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**CHOCTAW COUNTY JAIL
 BUTLER, ALABAMA**

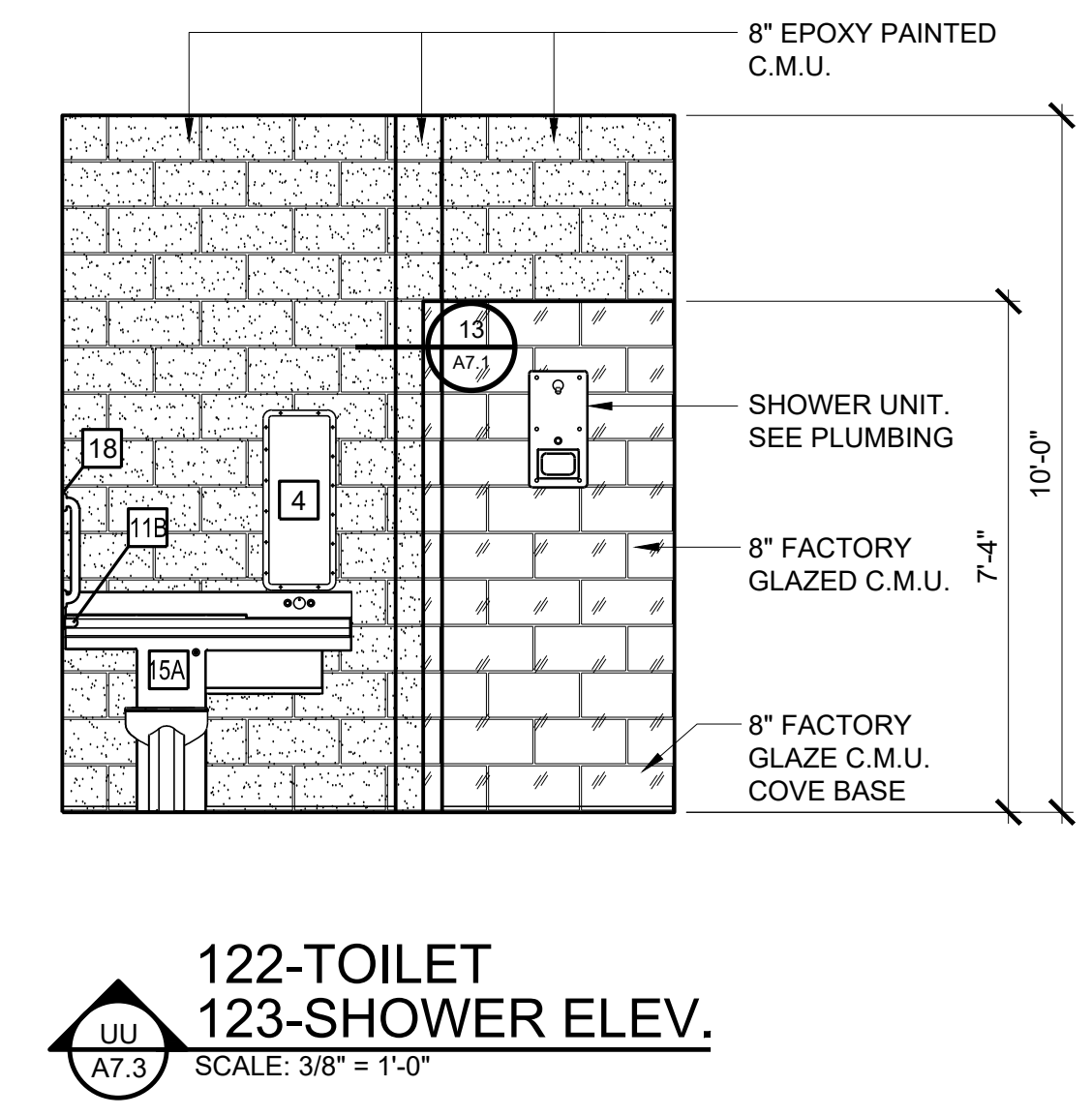
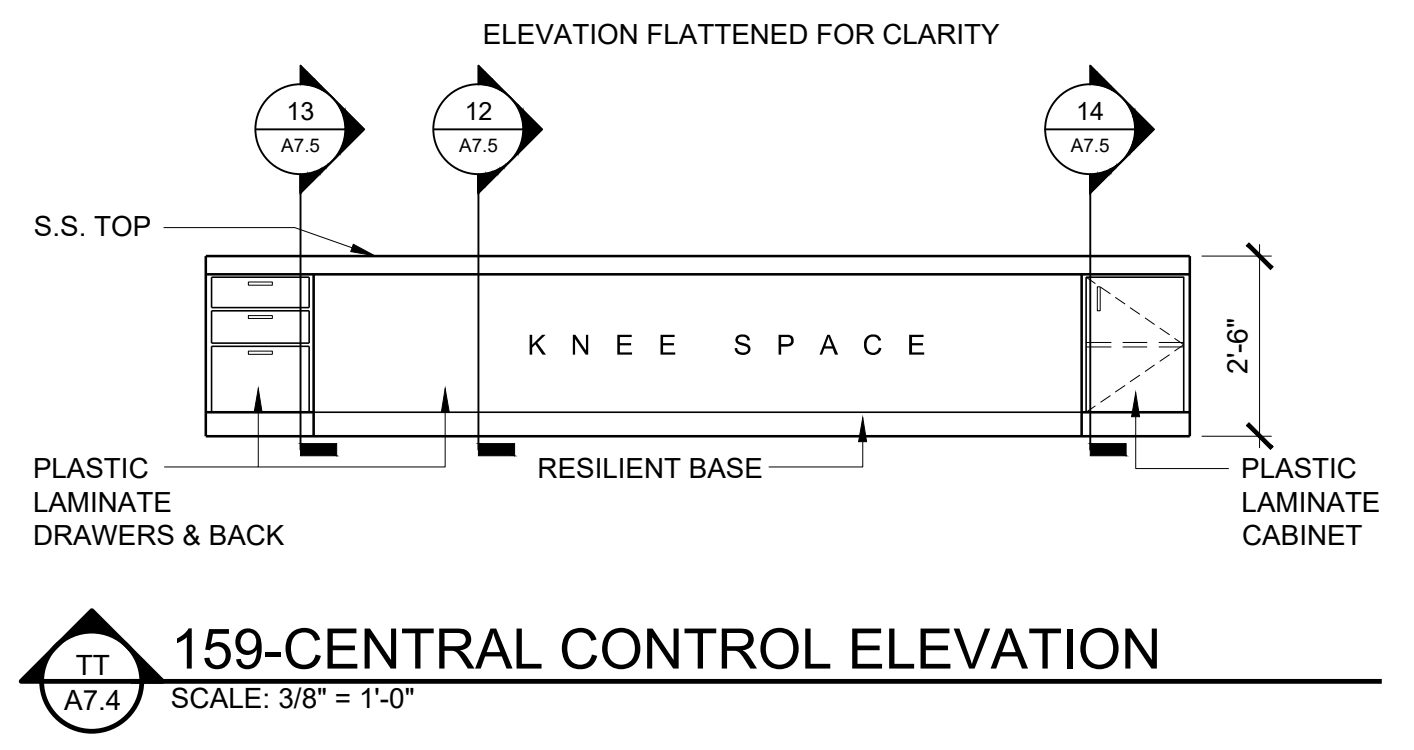
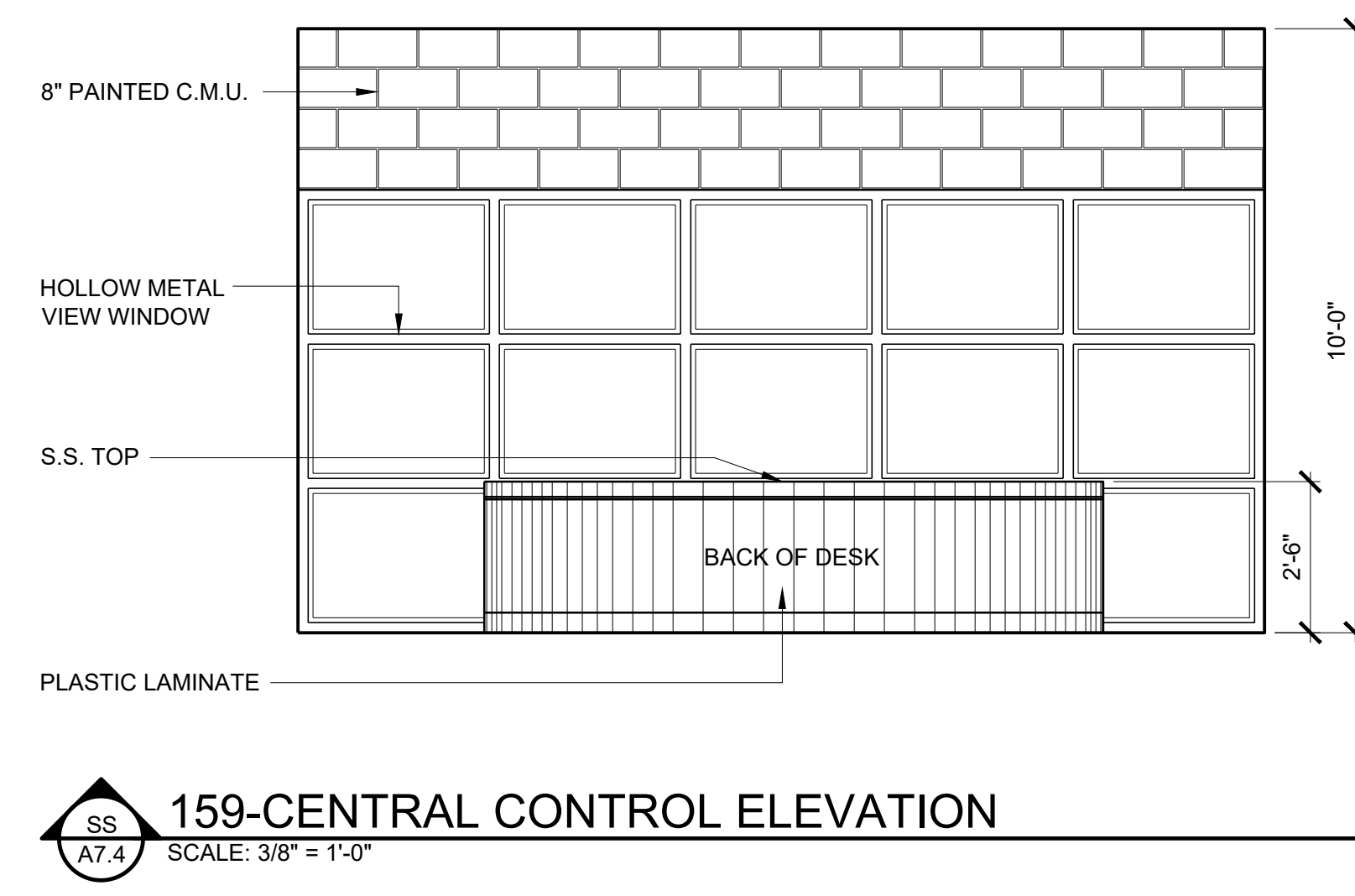


162-LAUNDRY ELEVATION
 SCALE: 3/8" = 1'-0"

159-CENTRAL CONTROL ELEVATION
 SCALE: 3/8" = 1'-0"

159-CENTRAL CONTROL ELEVATION
 SCALE: 3/8" = 1'-0"

159-CENTRAL CONTROL ELEVATION
 SCALE: 3/8" = 1'-0"



159-CENTRAL CONTROL ELEVATION
 SCALE: 3/8" = 1'-0"

159-CENTRAL CONTROL ELEVATION
 SCALE: 3/8" = 1'-0"

**122-TOILET
 123-SHOWER ELEV.**
 SCALE: 3/8" = 1'-0"

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CONSTRUCTION DOCUMENTS

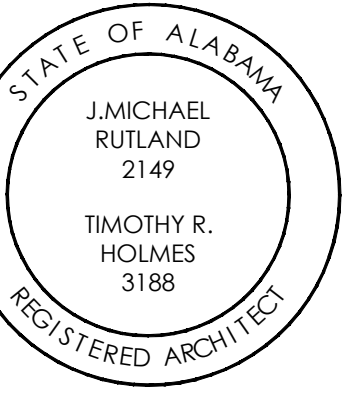
Project Number: 22-1189
 Date: 30 MAY 2024
 Revisions:

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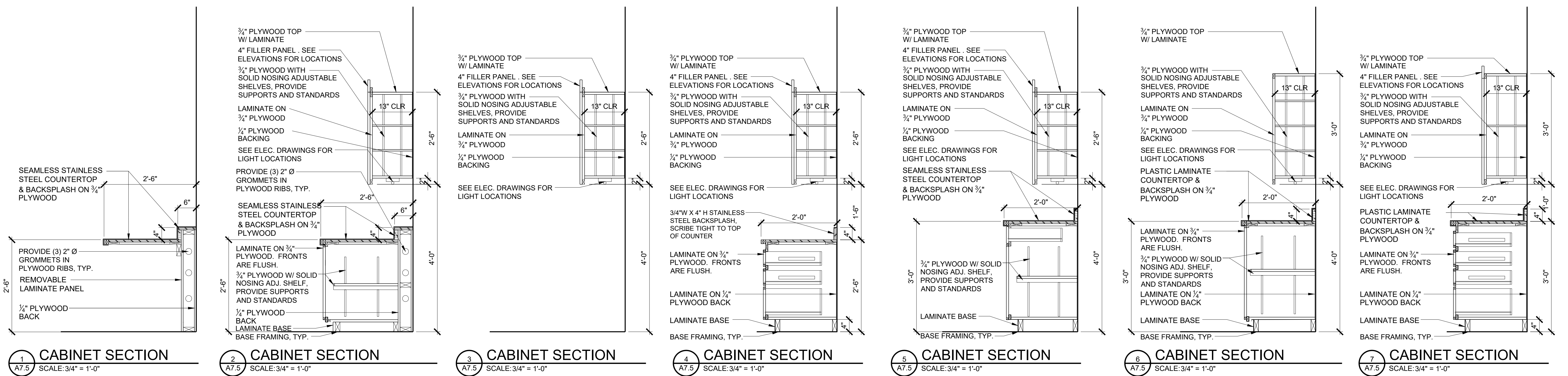
INTERIOR ELEVATIONS &

Sheet Number

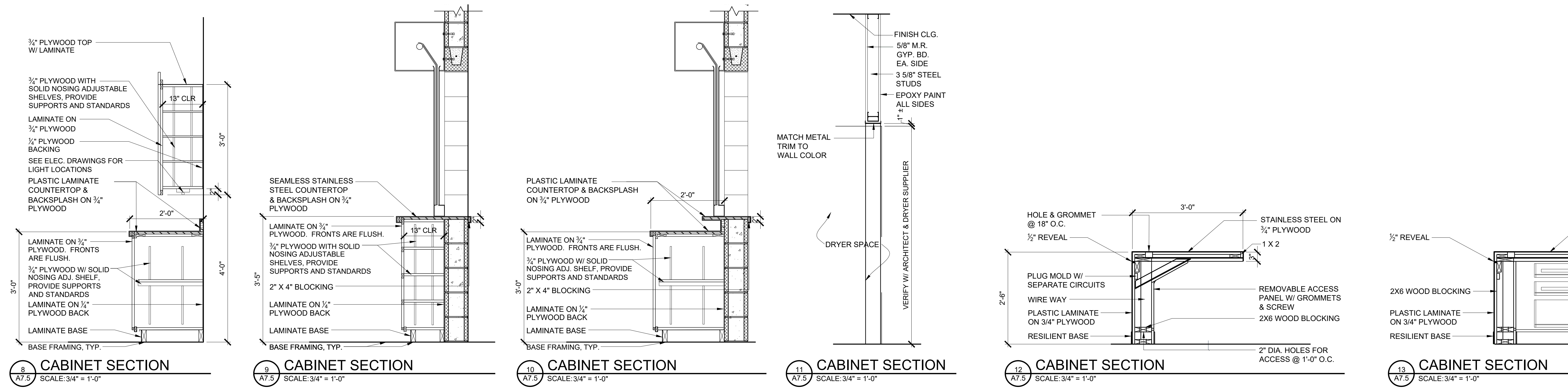
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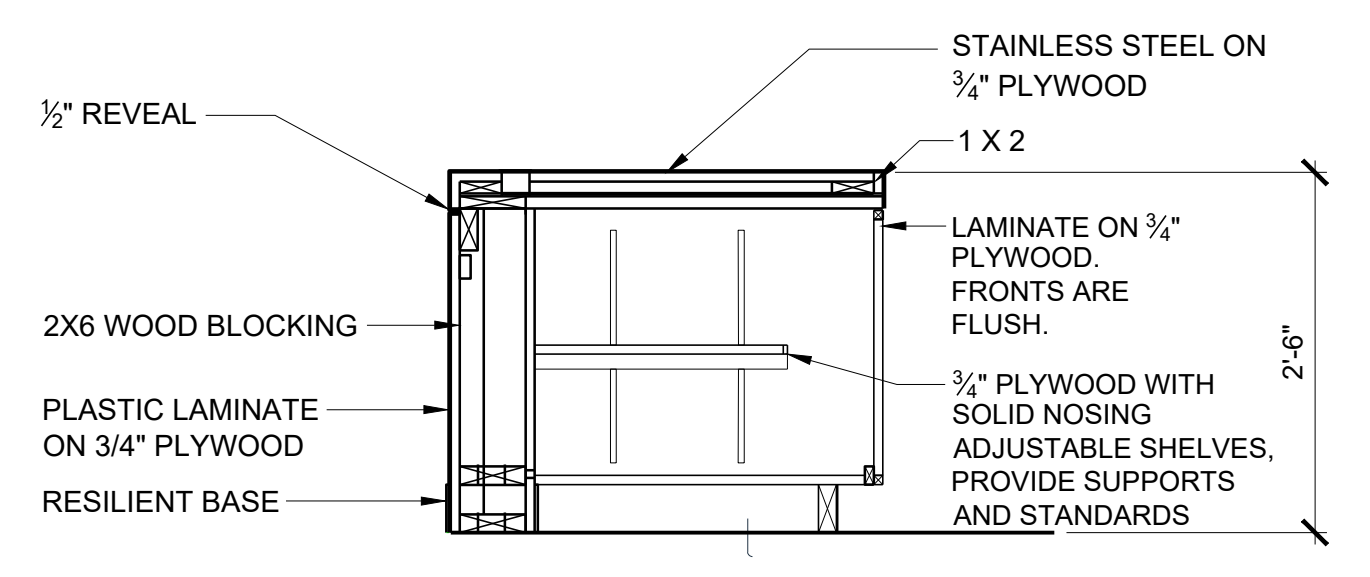
**CHOCTAW COUNTY JAIL
 BUTLER,
 ALABAMA**



1 CABINET SECTION SCALE: 3/4" = 1'-0"
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3 CABINET SECTION SCALE: 3/4" = 1'-0"
4 CABINET SECTION SCALE: 3/4" = 1'-0"
5 CABINET SECTION SCALE: 3/4" = 1'-0"
6 CABINET SECTION SCALE: 3/4" = 1'-0"
7 CABINET SECTION SCALE: 3/4" = 1'-0"



8 CABINET SECTION SCALE: 3/4" = 1'-0"
9 CABINET SECTION SCALE: 3/4" = 1'-0"
10 CABINET SECTION SCALE: 3/4" = 1'-0"
11 CABINET SECTION SCALE: 3/4" = 1'-0"
12 CABINET SECTION SCALE: 3/4" = 1'-0"
13 CABINET SECTION SCALE: 3/4" = 1'-0"



14 CABINET SECTION SCALE: 3/4" = 1'-0"

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CONSTRUCTION DOCUMENTS

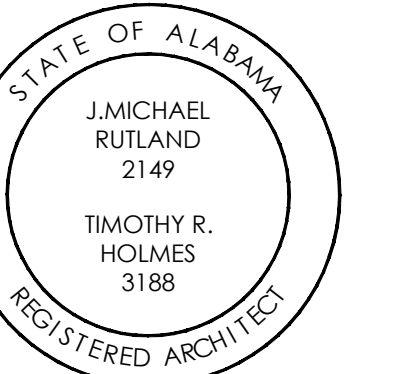
Project Number: 22-1189
 Date: 30 MAY 2024
 Revisions:

Sheet Description

CABINET SECTIONS

Sheet Number

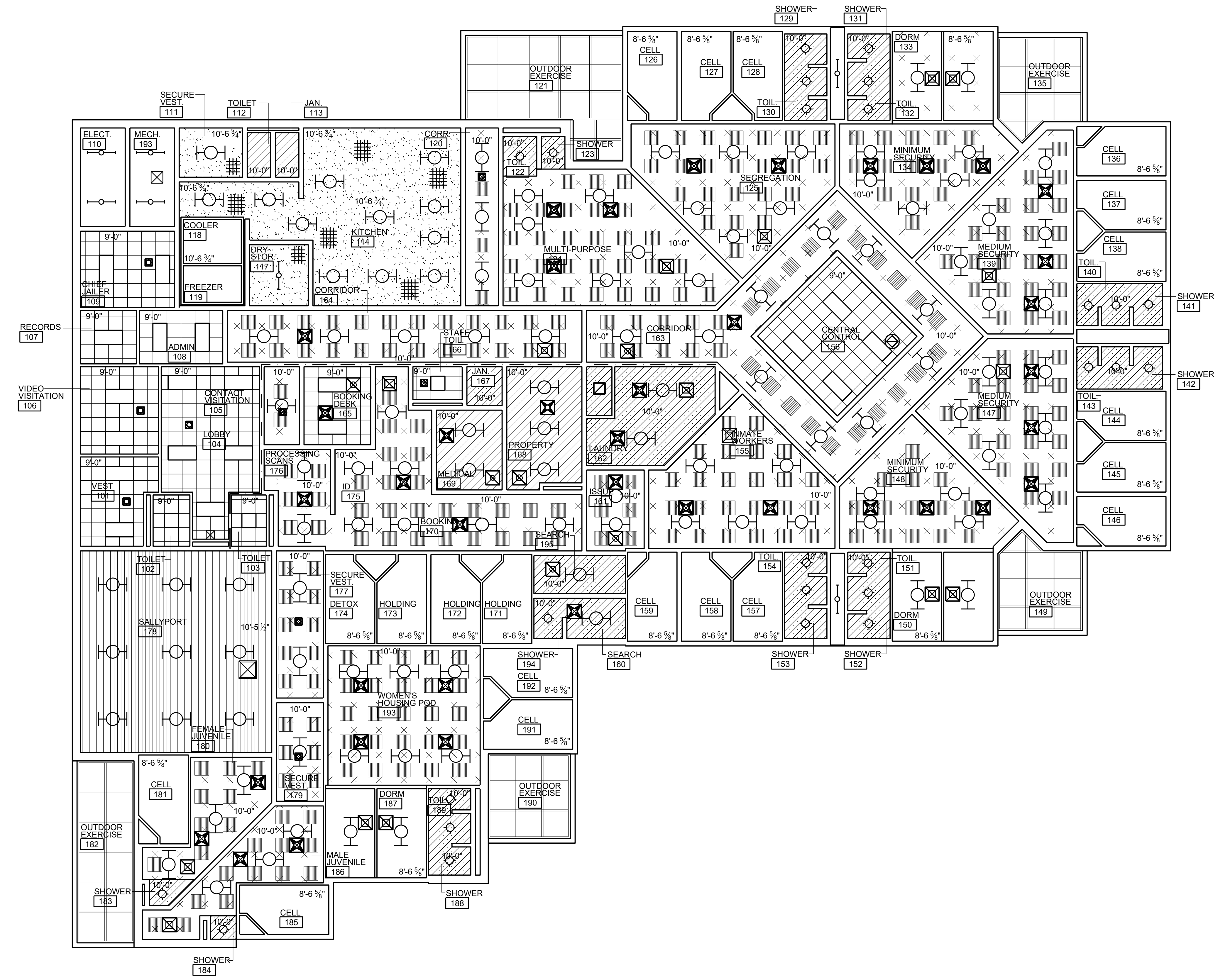
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**CHOCTAW COUNTY JAIL
 BUTLER,
 ALABAMA**

PRINTED: 6/14/2024 @ 12:00PM

FILE NAME: W:\JMRH Projects 2022\22-1189 Choctaw County Jail\A8.1 RCP.dwg



REFLECTED CEILING PLAN
 SCALE: 1/8"=1'-0"

RCP LEGEND	
	1' X 1' DIFFUSER
	1' X 1' RETURN GRILLE SEE MECHANICAL
	2' X 2' DIFFUSER
	2' X 2' RETURN GRILLE SEE MECHANICAL
	SURFACE MOUNTED LIGHT FIXTURE
	2' X 4' LIGHT
	1' X 4' LIGHT
	2' X 4' LIGHT (BY MODULE MANUFACTURER)
	EXIT LIGHT
	DOWN LIGHT
	RECESSED CANOPY LIGHT
	2 X 2 ACOUSTICAL TILE & GRID
	ACOUSTICAL CEILING PANEL
	EXPOSED
	CONCRETE PAINTED
	CONCRETE EPOXY PAINT
	ACOUSTICAL SPRAY FINISH ON CONCRETE
	MOISTURE RESISTANT SECURITY GYPSUM BOARD W/ EPOXY PAINT
	METAL SOFFIT PANEL

CONSTRUCTION DOCUMENTS

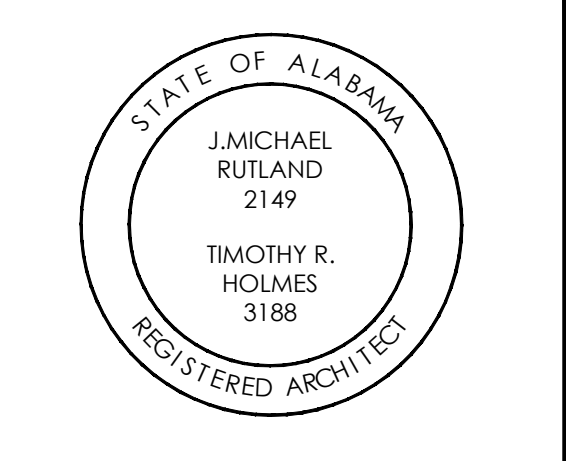
Project Number: 22-1189
 Date: 30 MAY 2024
 Revisions:

Sheet Description

REFLECTED CEILING PLAN

Sheet Number

A8.1



**CHOCTAW COUNTY JAIL
BUTLER,
ALABAMA**

**CONSTRUCTION
DOCUMENTS**

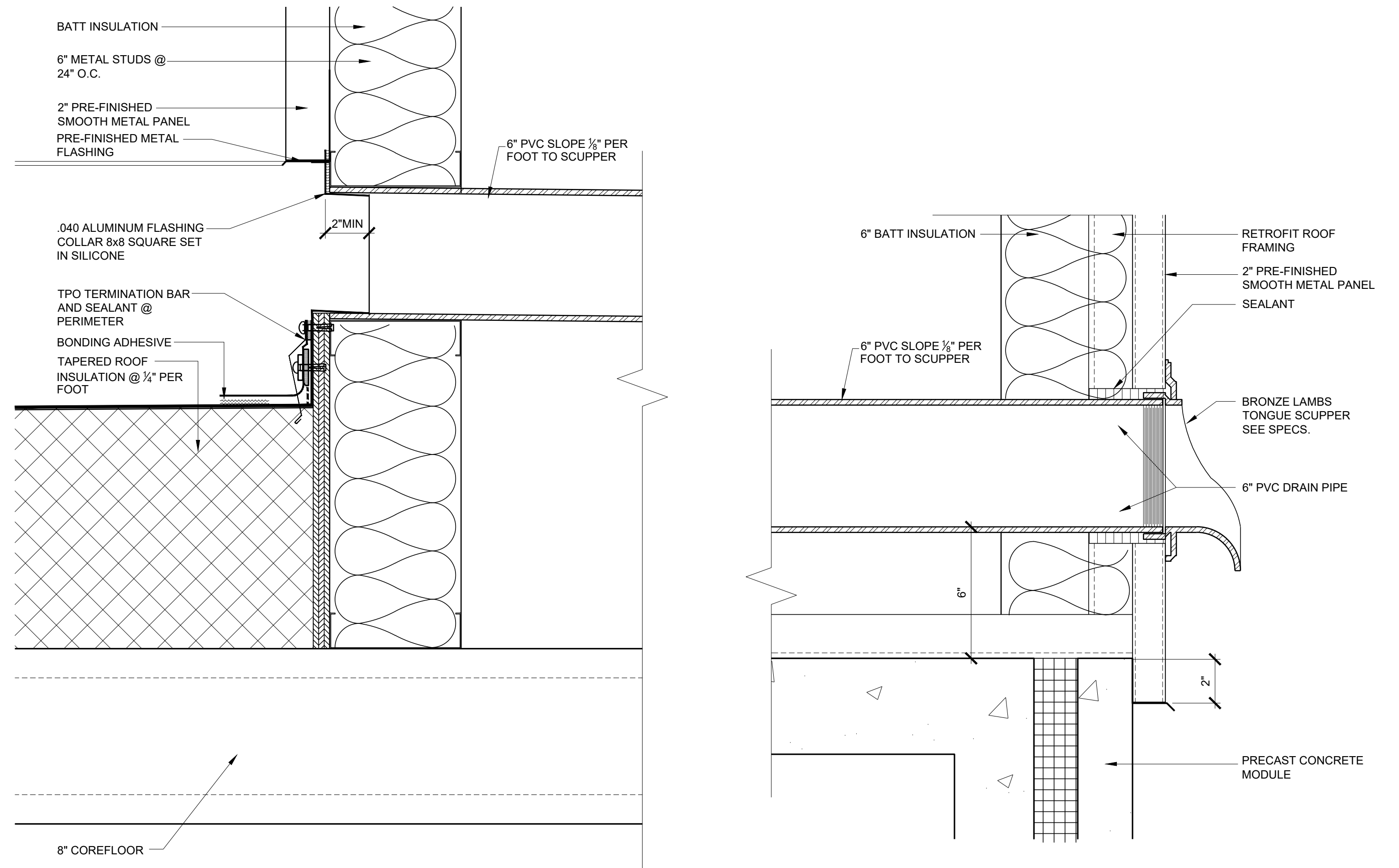
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Date: 30 MAY 2024
Revisions:

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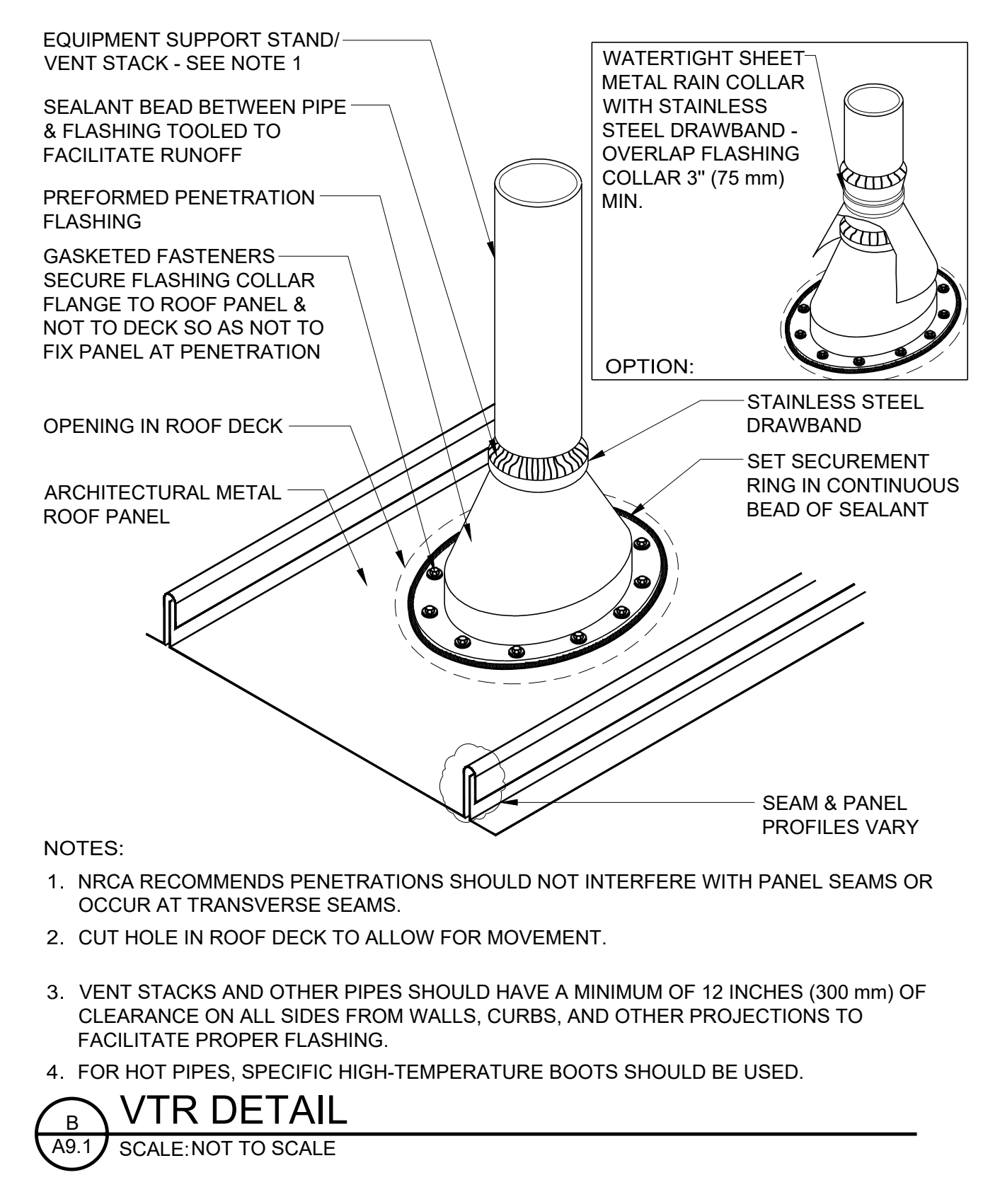
ROOF PLAN

Sheet Number

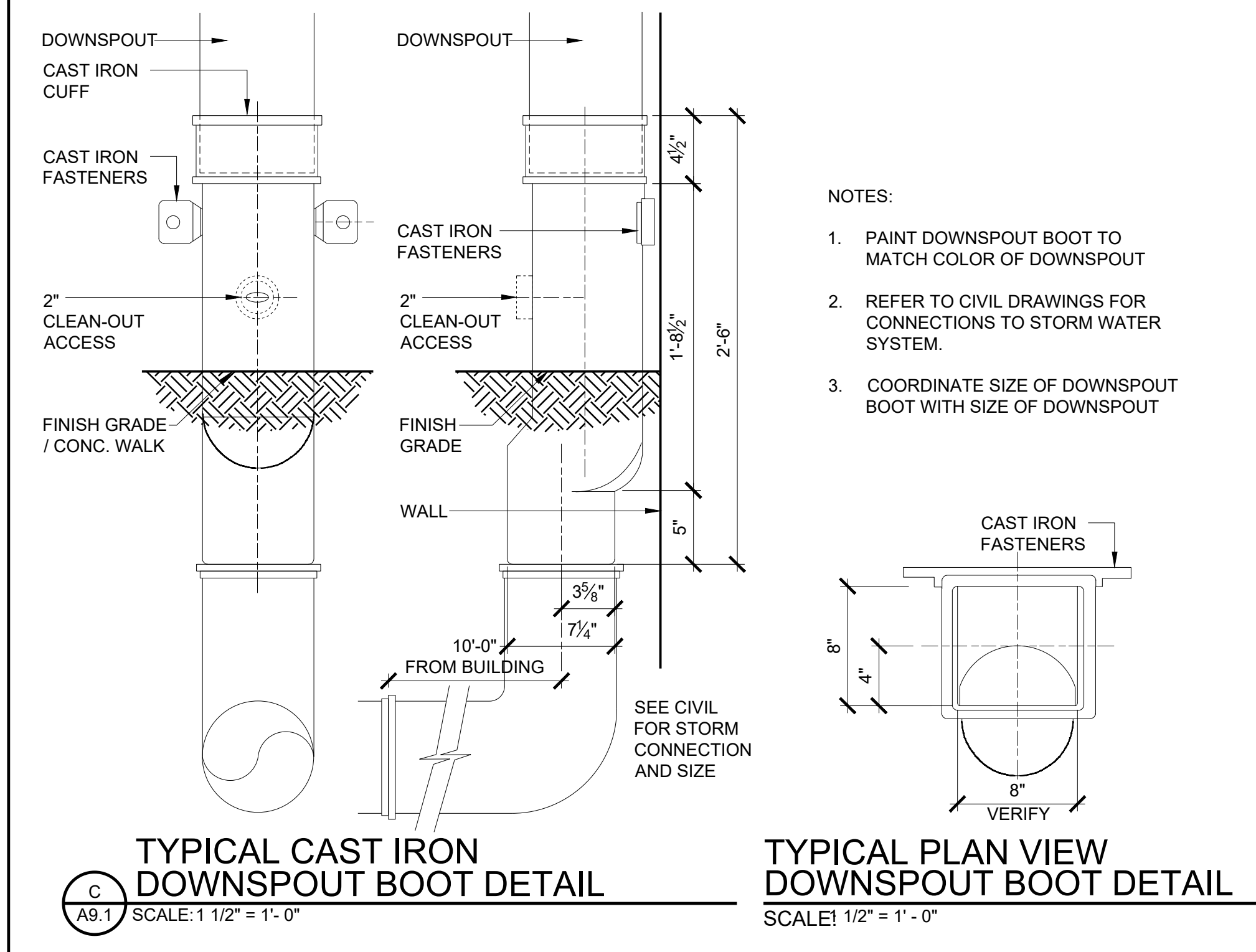
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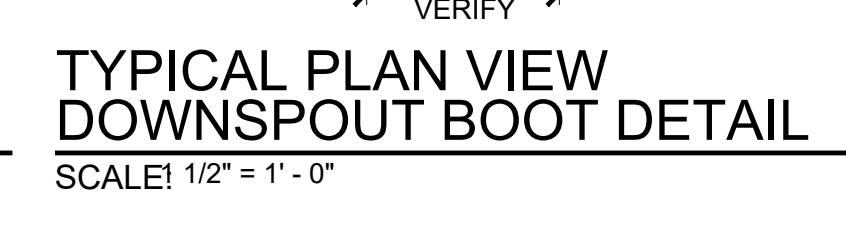
A9.1 RELIEF SCUPPER DETAIL
SCALE: 3" = 1'-0"



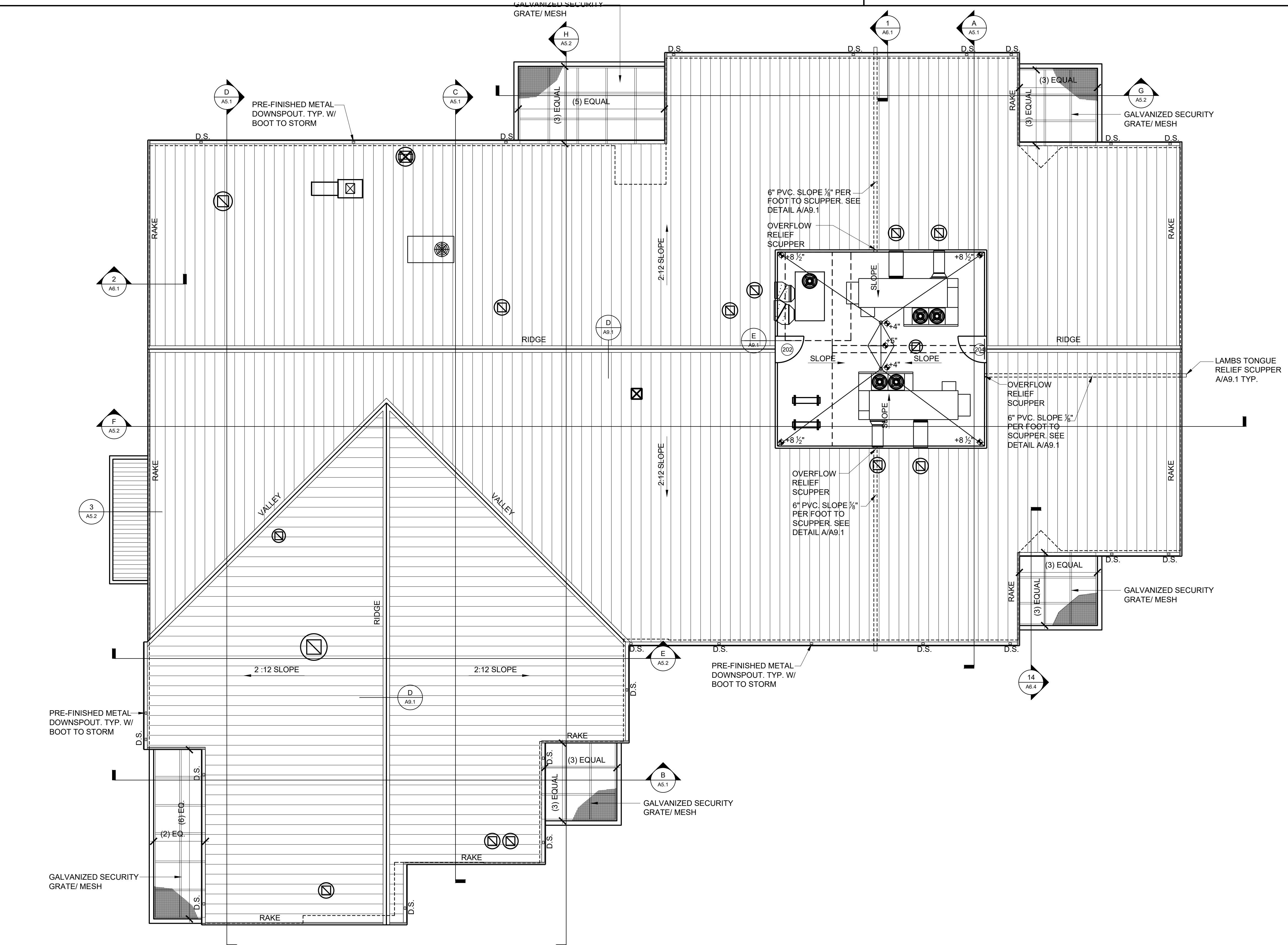
B9.1 VTR DETAIL
SCALE: NOT TO SCALE



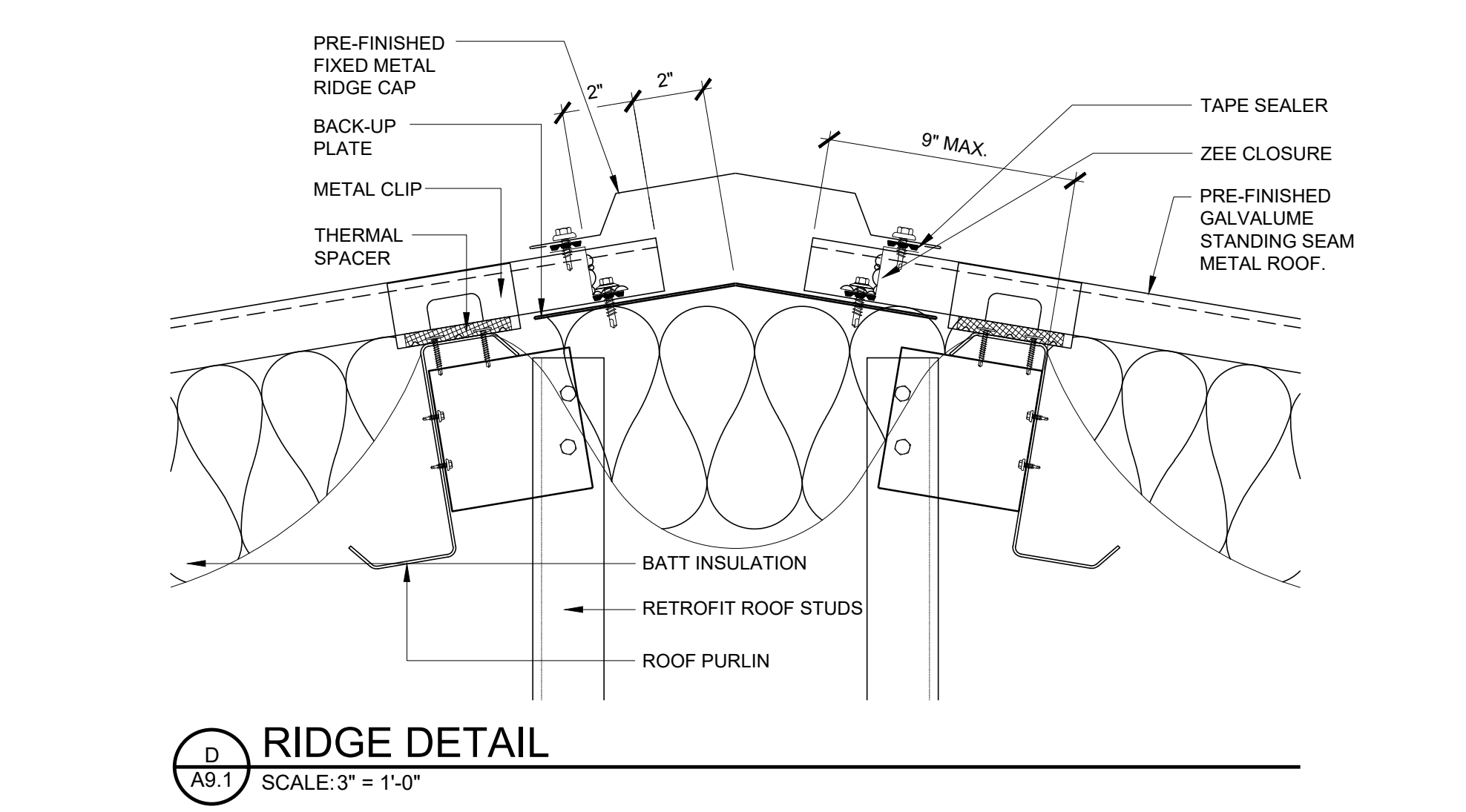
C9.1 TYPICAL CAST IRON DOWNSPOUT BOOT DETAIL
SCALE: 1 1/2" = 1'-0"



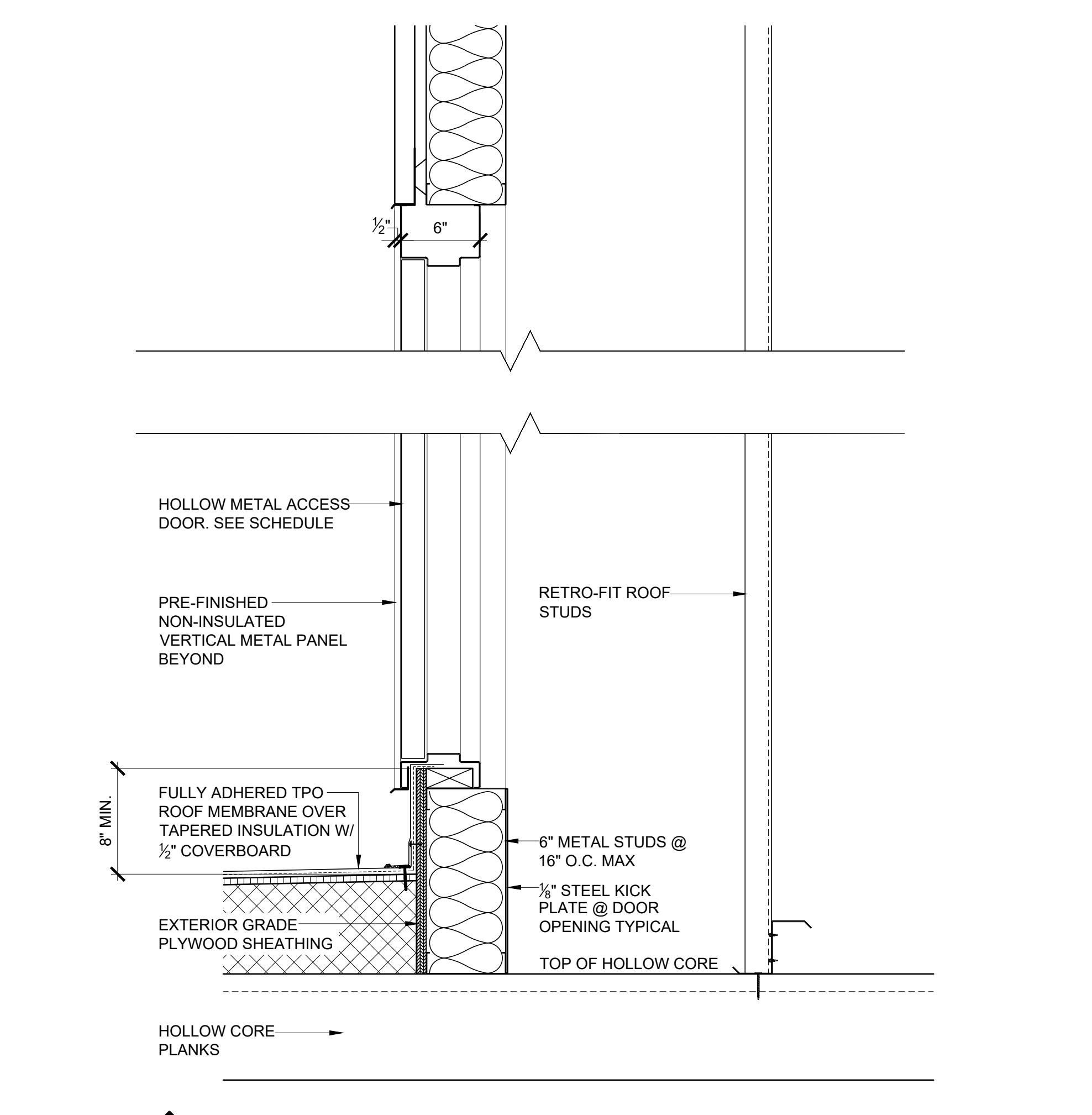
C9.1 TYPICAL PLAN VIEW DOWNSPOUT BOOT DETAIL
SCALE: 1 1/2" = 1'-0"



A9.1 ROOF PLAN
SCALE: 1/8" = 1'-0"

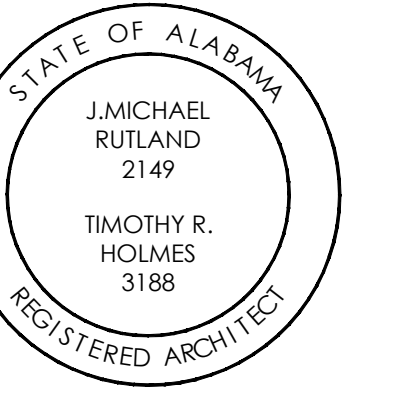


D9.1 RIDGE DETAIL
SCALE: 3" = 1'-0"

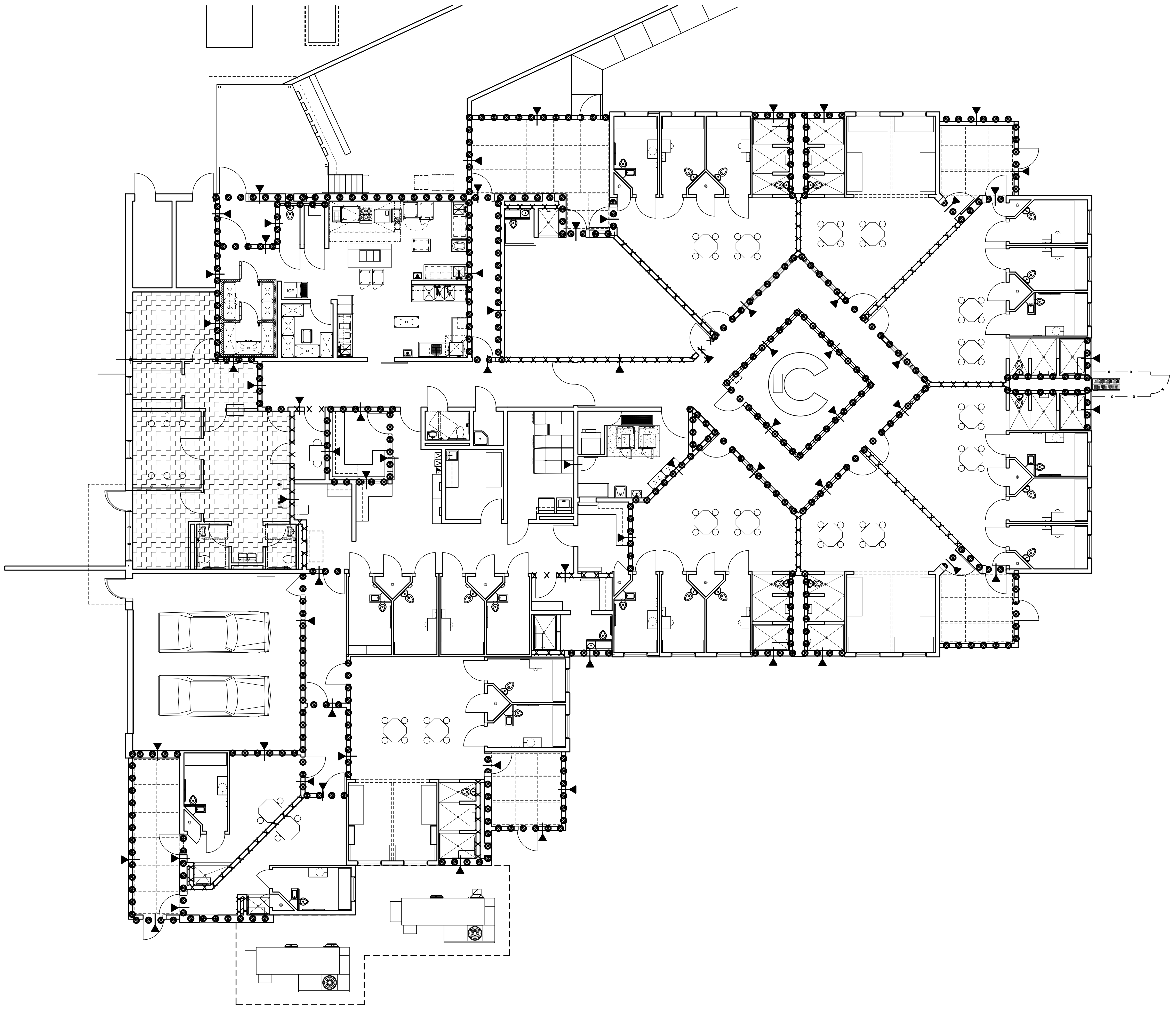


E9.1 SECTION @ ROOF DOOR
SCALE: 1 1/2" = 1'-0"

FILE NAME: W:\JMRH Projects 2022\22-1189 Choctaw County Jail\A9.1 Roof Plan.dwg PRINTED: 6/14/2024 @ 1:08PM



**CHOCTAW
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ALABAMA**



SECURITY KEY PLAN - FIRST FLOOR
SCALE: 1/8"=1'-0"

SECURITY KEY PLAN LEGEND	
	THIS KEY INDICATES SAFE SIDE OF THE PARTITION. IT DENOTES SIDE OF PARTITION TO INSTALL GLAZING STOPS. UL LABELS, SAFE SIDE OF HARDWARE, ETC. AS REQUIRED TO PREVENT TAMPERING BY INMATES. STRICT COMPLIANCE WITH THIS REQUIREMENT IS MANDATORY.
AREA TYPE I	<p>DETENTION (INSTITUTIONALLY RESTRAINED) SECURITY ORIENTED OCCUPANCY. SECURITY DOORS, HOLLOW METAL, HARDWARE & GLAZING ETC. ARE PREVALENT IN THE DESIGN OF THIS AREA. APPLICABLE SECTIONS OF THE LIFE SAFETY CODE NFPA 101 AND THE STANDARD BUILDING CODE SHALL APPLY TO THIS DESIGN. ALL SPACES THIS AREA SHALL BE CLASSIFIED AT THE MAXIMUM SECURITY LEVEL.</p> <p>MINIMUM MEDIUM & MAXIMUM SECURITY AREA</p>
AREA TYPE II	<p>ADMINISTRATIVE/BUSINESS ANCILLARY ACCESSORY OCCUPANCY. TYPICAL OFFICE CONSTRUCTION IS PREVALENT THIS AREA TO INCLUDE GENERAL DOORS, BUILDERS HARDWARE, STANDARD GLAZING, ETC. UNLESS NOTED OTHERWISE ON SCHEDULES AND DETAILS.</p> <p>NON-SECURE AREA</p>
	INDICATES SECURITY WALL CONSTRUCTION OF 8" C.M.U. CONC. FILLED W/ #5 BARS @ 8" O.C. W/ TRUSSED HORIZONTAL WALL REINFORCING @ 8" O.C. VERTICAL OR MODULAR CONC. CELL CONSTRUCTION
	INDICATES SECURITY WALL CONSTRUCTION OF 8" C.M.U. CONC. FILLED W/ #5 BARS @ 16" O.C. W/ TRUSSED HORIZONTAL WALL REINFORCING @ 16" O.C. VERTICAL

CONSTRUCTION DOCUMENTS

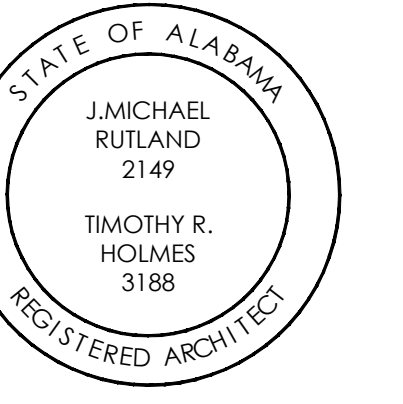
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Date: 30 MAY 2024
Revisions:

Sheet Description

SECURITY KEY PLAN

Sheet Number

A10.1



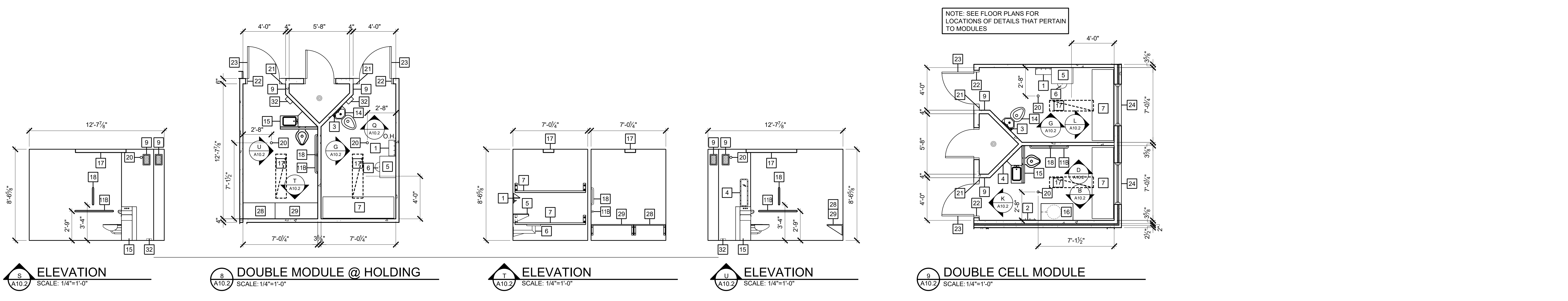
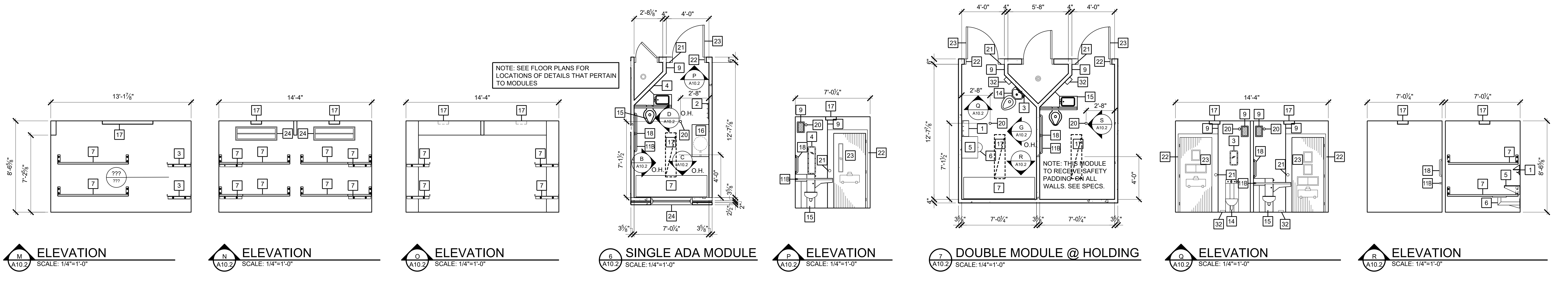
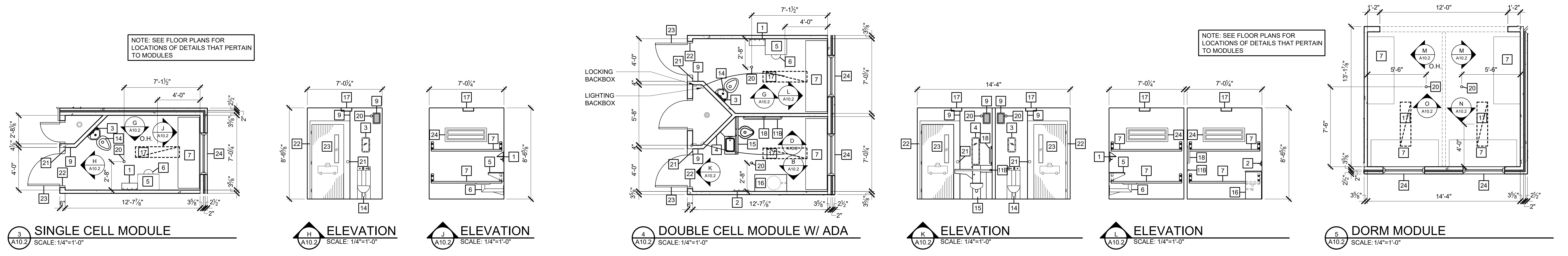
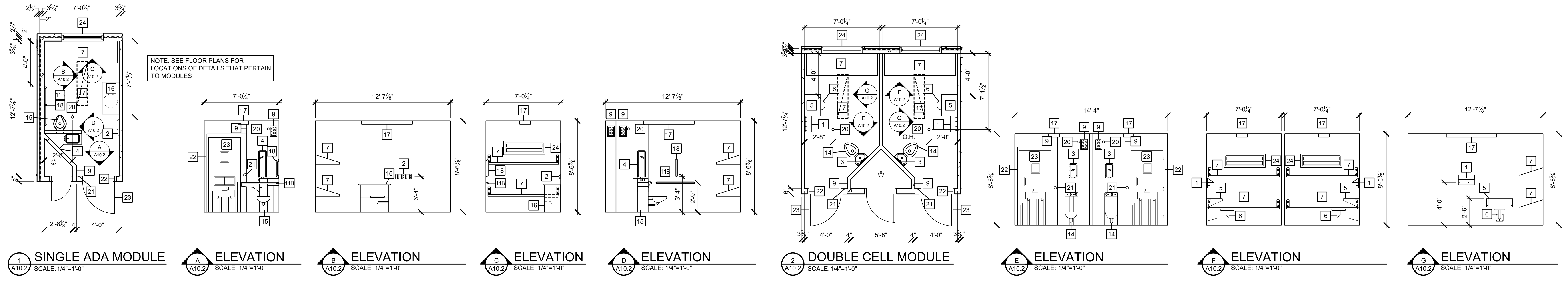
**CHOCTAW COUNTY JAIL
 BUTLER,
 ALABAMA**

**CONSTRUCTION
 DOCUMENTS**

Project Number: 22-1189
 Date: 30 MAY 2024
 Revisions:

Sheet Description
**LARGE SCALE
 MODULES**
 Sheet Number

A10.2



PRINTED: 6/14/2024 @ 1:10PM
 FILE NAME: W:\JMRH Projects 2022\22-1189 Choctaw County Jail\A10.2 Large Scale Modules.dwg

SECURITY/DETENTION/FURNISHINGS/FIXTURE SCHEDULE

ITEM	MARK	EMBED		FURNISHED BY	INSTALLED BY	FINISH BY	SECURITY CAULK AT PERIMETER		REMARKS	REMARKS
		FURN.	INSTR.				INT.	EXT.		
8" x 18" SECURITY SHELF	1	PCMC	PCMC	PCMC	PCMC	MFR.	PCMC	INT.		
(4) SECURITY GARMENT HOOKS	2	PCMC	PCMC	PCMC	PCMC	MFR.	PCMC	INT.		
12 1/2" x 16 1/2" S.S. SECURITY MIRROR	3	PCMC	PCMC	PCMC	PCMC	MFR.	PCMC	INT.		
12 1/2" x 31" S.S. H.C. SECURITY MIRROR	4	PCMC	PCMC	PCMC	PCMC	MFR.	PCMC	INT.		
24" x 18" PAN TYPE WALL MOUNTED DETENTION DESK	5	PCMC	PCMC	PCMC	PCMC	MFR.	PCMC	INT.		
12" W WALL MOUNTED DETENTION STOOL	6	PCMC	PCMC	PCMC	PCMC	MFR.	PCMC	INT.		
27" x 82" PAN TYPE WALL MOUNTED DETENTION BED	7	PCMC	PCMC	PCMC	PCMC	MFR.	PCMC	INT.		
SECURITY ACCESS DOOR	8	PCMC	PCMC	PCMC	PCMC	MFR.	PCMC	INT.		
SECURITY HVAC GRILLE/DIFFUSER	9	PCMC	PCMC	PCMC	PCMC	MFR.	PCMC	INT.		
SECURITY PISTOL LOCKER SURFACE MTD	10	G.C.	G.C.	PCMC	PCMC	MFR.	PCMC	INT.		
* SECURITY H.C. GRAB BAR (24", 36", 42")	11	PCMC	PCMC	PCMC	PCMC	MFR.	PCMC	INT.		
SECURITY DOCUMENT PASS	12	N/A	N/A	PCMC	PCMC	MFR.	PCMC	INT.		
18" CUFF BAR	13	G.C.	G.C.	PCMC	PCMC	MFR.	PCMC	INT.		
COMBI-LAV. & TOILET	14	PCMC	PCMC	PCMC	PCMC	MFR.	PCMC	INT.		
H.C. COMBI-LAV. & TOILET	15	PCMC	PCMC	PCMC	PCMC	MFR.	PCMC	INT.		
FLOOR MOUNTED DETENTION H.C. DESK W/ REMOVABLE SWING OUT STOOL	16	PCMC	PCMC	PCMC	PCMC	MFR.	PCMC	INT.		
SURFACE MTD. LED SECURITY LIGHT. SEE ELECTRICAL SCHEDULE	17	PCMC	PCMC	PCMC	PCMC	MFR.	PCMC	INT.		
* SECURITY H.C. GRAB BAR (18" VERTICAL)	18	PCMC	PCMC	PCMC	PCMC	MFR.	PCMC	INT.		
ANTI-LIGATURE SHOWER SEAT	19	G.C.	G.C.	PCMC	PCMC	MFR.	PCMC	INT.		
SECURITY SPRINKLER HEAD	20	N/A	N/A	PCMC	PCMC	MFR.	PCMC	INT.		
SECURITY CALL BUTTON	21	N/A	N/A	PCMC	PCMC	MFR.	PCMC	INT.		
CELL DOOR FRAME	22	PCMC	PCMC	PCMC	PCMC	MFR.	PCMC	INT.		
CELL SWING DOOR	23	PCMC	PCMC	PCMC	PCMC	MFR.	PCMC	INT.		
SECURITY WINDOW	24	PCMC	PCMC	PCMC	PCMC	MFR.	PCMC	INT.		
STEEL SECURITY CHASE (NOT USED)	25	G.C.	G.C.	G.C.	G.C.	G.C.	G.C.	INT.		
SECURITY PASS BOX	26	G.C.	G.C.	PCMC	PCMC	MFR.	PCMC	INT.		
EXT. SECURITY ACCESS DOOR. SEE DETAILS A, B, C, D, A-1.	27	G.C.	G.C.	PCMC	PCMC	MFR.	PCMC	INT.		
SECURITY BENCH (36", 48")	28	G.C.	G.C.	PCMC	PCMC	MFR.	PCMC	INT.		
40" x 40" DAYSPACE TABLE	30	G.C.	G.C.	PCMC	PCMC	MFR.	PCMC	INT.		
30" x 30" CONTACT VISITATION TABLE AND STOOLS	31	G.C.	G.C.	PCMC	PCMC	MFR.	PCMC	INT.		
MODULE FLOOR DRAIN	32	PCMC	PCMC	PCMC	PCMC	MFR.	PCMC	INT.		
30" x 30" VIDEO VISITATION STOOL	33	G.C.	G.C.	PCMC	PCMC	MFR.	PCMC	INT.		
SECURITY TELEVISION WALL ARM	34	G.C.	G.C.	PCMC	PCMC	MFR.	PCMC	INT.		

NOTE: ANY SECURITY/ DETENTION/ FURNISHINGS/ FIXTURES THAT ARE NOT IN A MODULE SHALL BE FURNISHED AND INSTALLED BY THAT DISCIPLINE (DIV. 11, 22, OR 26) AND COORDINATED BY G.C.

1 THIS ACCESSORY TO BE FURNISHED AND INSTALLED IN C.M.U. STANDARD CONSTRUCTION BY DEC/G.C. ACCESSORY TO BE FURNISHED AND INSTALLED IN CONCRETE MODULES BY MODULE MANUFACTURER.

2 ALL ROUGH IN & CONNECTION IN MODULE CHASES SHALL BE BY DIV. 22, 23 & 26. PROVIDE TISSUE RECESSES AND OVERFLOW PREVENTION AT ALL (UPPER LEVEL) TOILETS. PROVIDE COMPLETE WITH SECURITY WALL SLEEVE. PCMC SHALL PROVIDE ALL CHASE MOUNTED FIXTURE VALVES, ETC. REQUIRED FOR PROPER OPERATION TO THE ON SITE PLUMBING CONTRACTOR FOR INSTALLATION. ALL DEVICES MUST BE CAPABLE OF OPERATING ON 25 PSIG PER PLUMBING DESIGN REQUIREMENTS

3 DOOR HARDWARE, ELECTRONIC SECURITY WIRING BY DIV. 11 & 28.

4 ALL POWER & LIGHTING CONDUIT, WIRES & DEVICES FURNISHED BY PCMC AT MODULES AT PLANT.

5 INT. EXT. INDICATES FINISH RESPONSIBILITY ON INTERIOR AND EXTERIOR OF MODULE.

6 MFR. PCMC INDICATES MANUFACTURER'S FINISH & TOUCH-UP FINISH RESPONSIBILITIES ON ITEMS WITHIN MODULE.

7 THIS SECURITY LIGHT FURNISHED BY MODULE MFR. ONLY. SEE ELECTRICAL DIVISION 26 FOR ALL OTHER LIGHTING.

8 THIS DEVICE FURNISHED BY DIV. 22. SEE PLUMBING DIVISION 22 FOR ALL OTHER FIRE PROTECTION ELEMENTS AND CONNECTION REQUIREMENTS

9 THIS IS A SECURITY RATED LOCKABLE WATER-PROOF EXTERIOR ACCESS DOOR.

10 WINDOWS @ ALL MODULE CELLS FURNISHED BY PCMC AND INSTALLED AT PLANT/ ALL OTHER DETENTION WINDOWS WILL BE FURNISHED UNDER DIVISION 8 INSTALLED BY G.C.

11 SECURITY CHASE WILL BE FURNISHED BY GC AND WILL BE INSTALLED @ SITE BY GC WHEN ON SITE WORK IN CHASE IS COMPLETED

12 ALL GRAB BARS AT DETENTION AREA TO HAVE ANTLIGATURE CLOSED OPENING TO WALL. SEE DETAILS. PROVIDE PIN TO ALL SECURE AREAS.

13 EXISTING DOUBLE BUNKS TO BE SALVAGED & REUSED FROM EXISTING BUILDING TO BE DEMOLISHED. BUNKS SHALL BE CLEAN, SCRAPED, PRIMED AND PAINTED TO MATCH NEW BUNKS.

14 PCMC TO PROVIDE AT THIS CELL, ROUGH IN (CONDUIT & BACKBOX) FOR 120V POWER & DATA PORT @ THESE TELEMEDICINE LOCATIONS. TELEMEDICINE CABINET DEVICES CABLING SHALL BE BY OTHERS

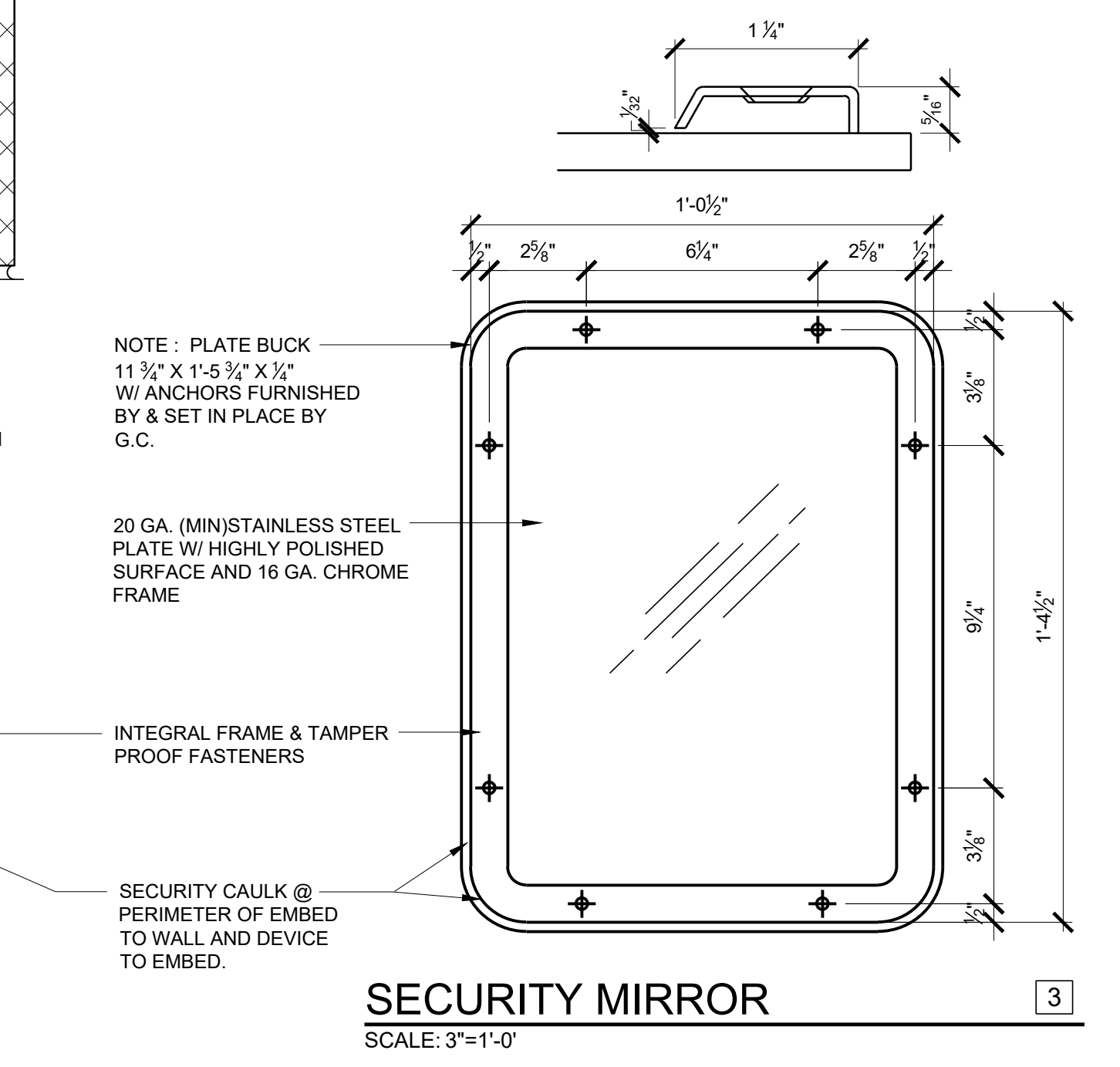
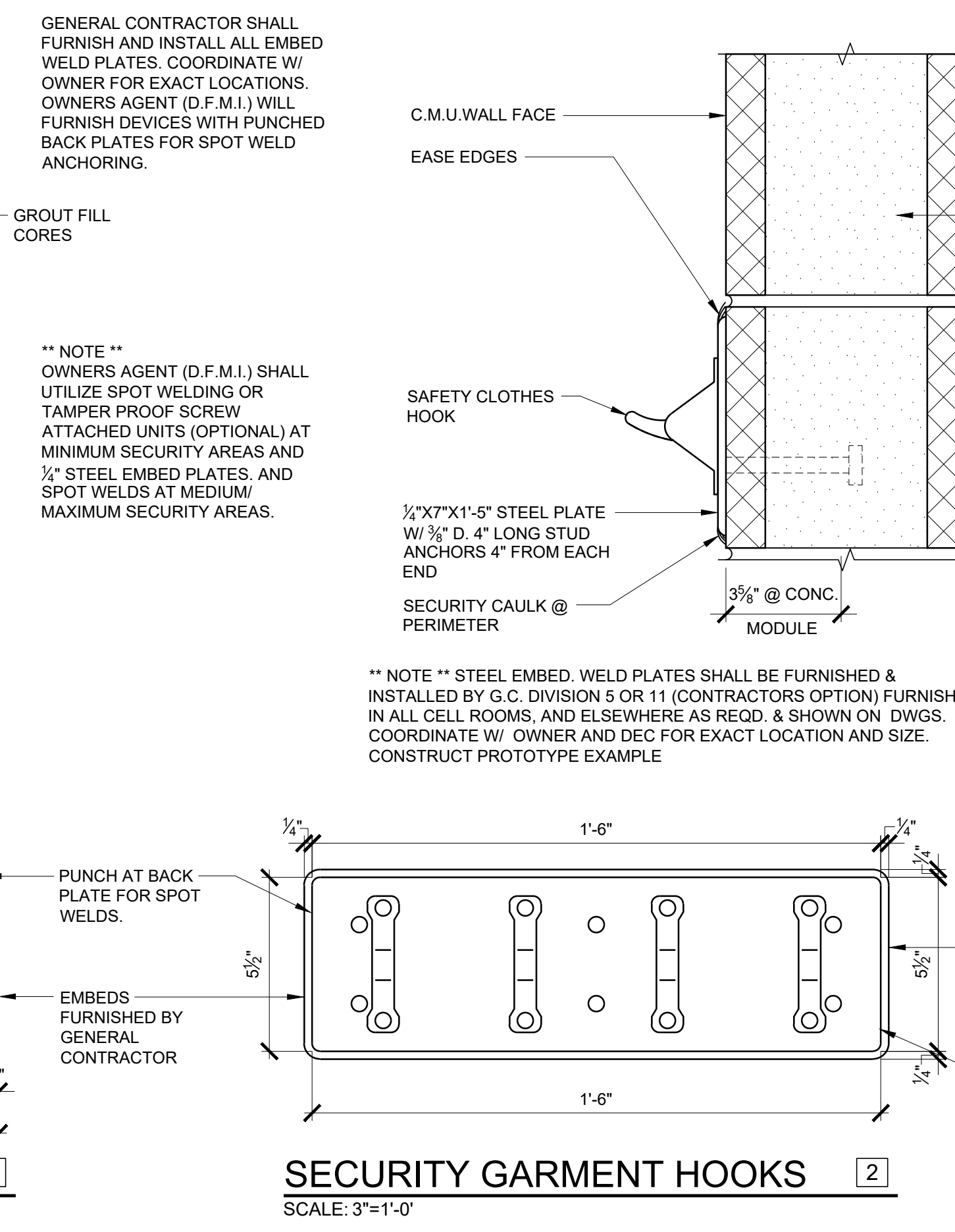
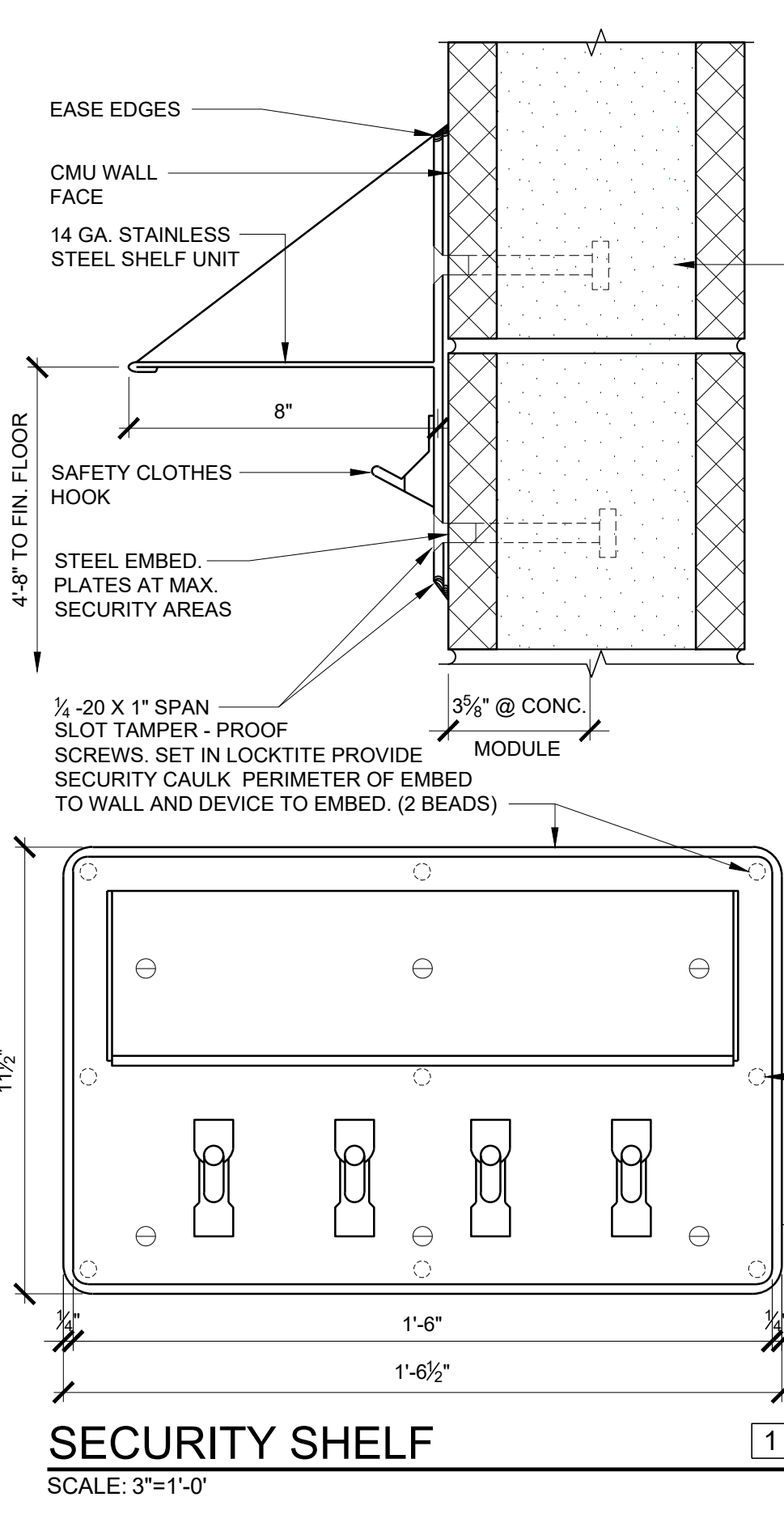
* SEE ARCHITECTURAL PLANS & INTERIOR ELEVATIONS FOR ALL SECURITY GRAB BAR LOCATIONS. SEE DIVISION 11 SPECIFICATIONS

SCHEDULE LEGEND

PCMC = PRE-CAST CONCRETE MODULE CONTRACTOR.

G.C. = GENERAL WORKS CONTRACTOR.

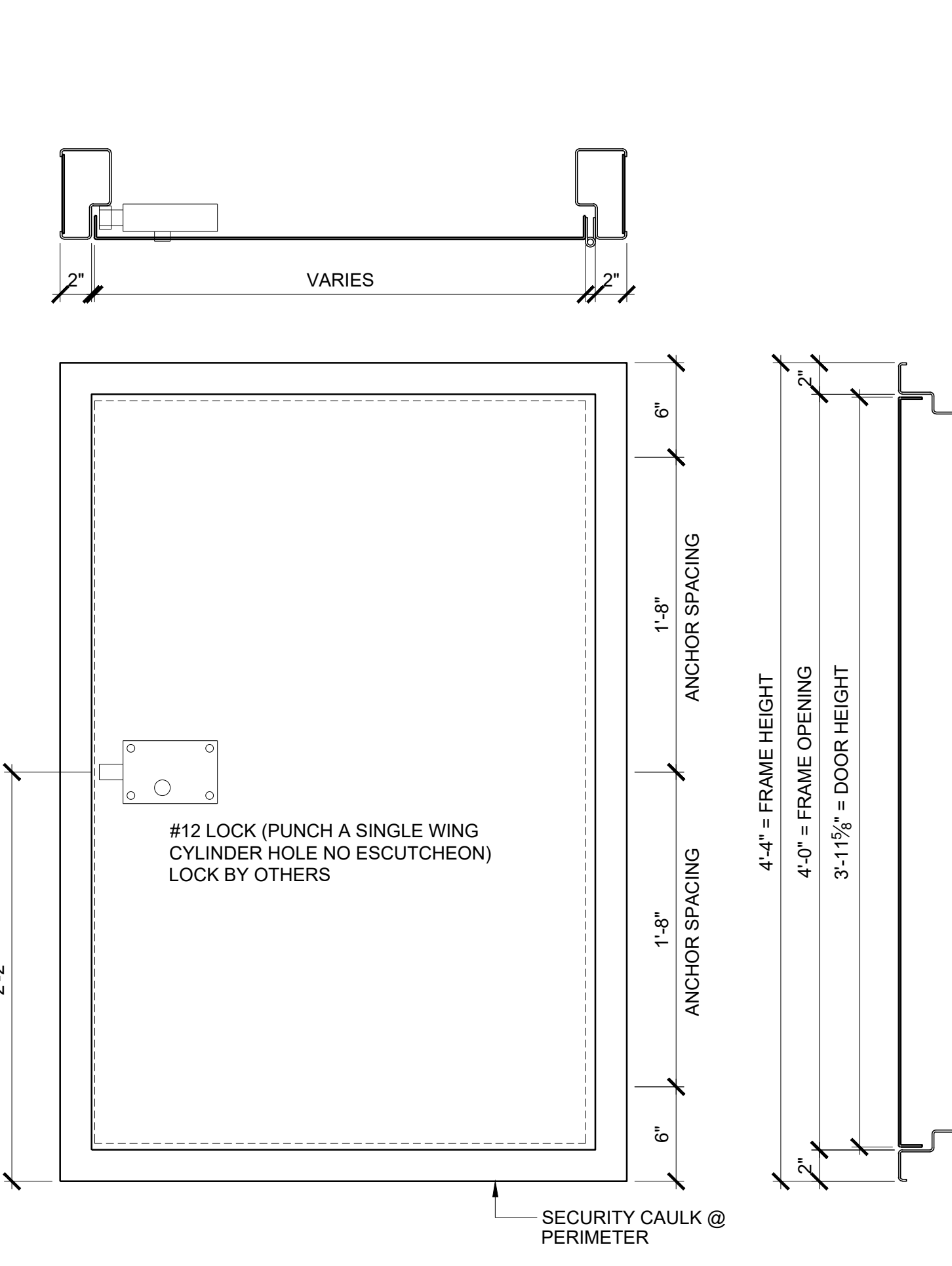
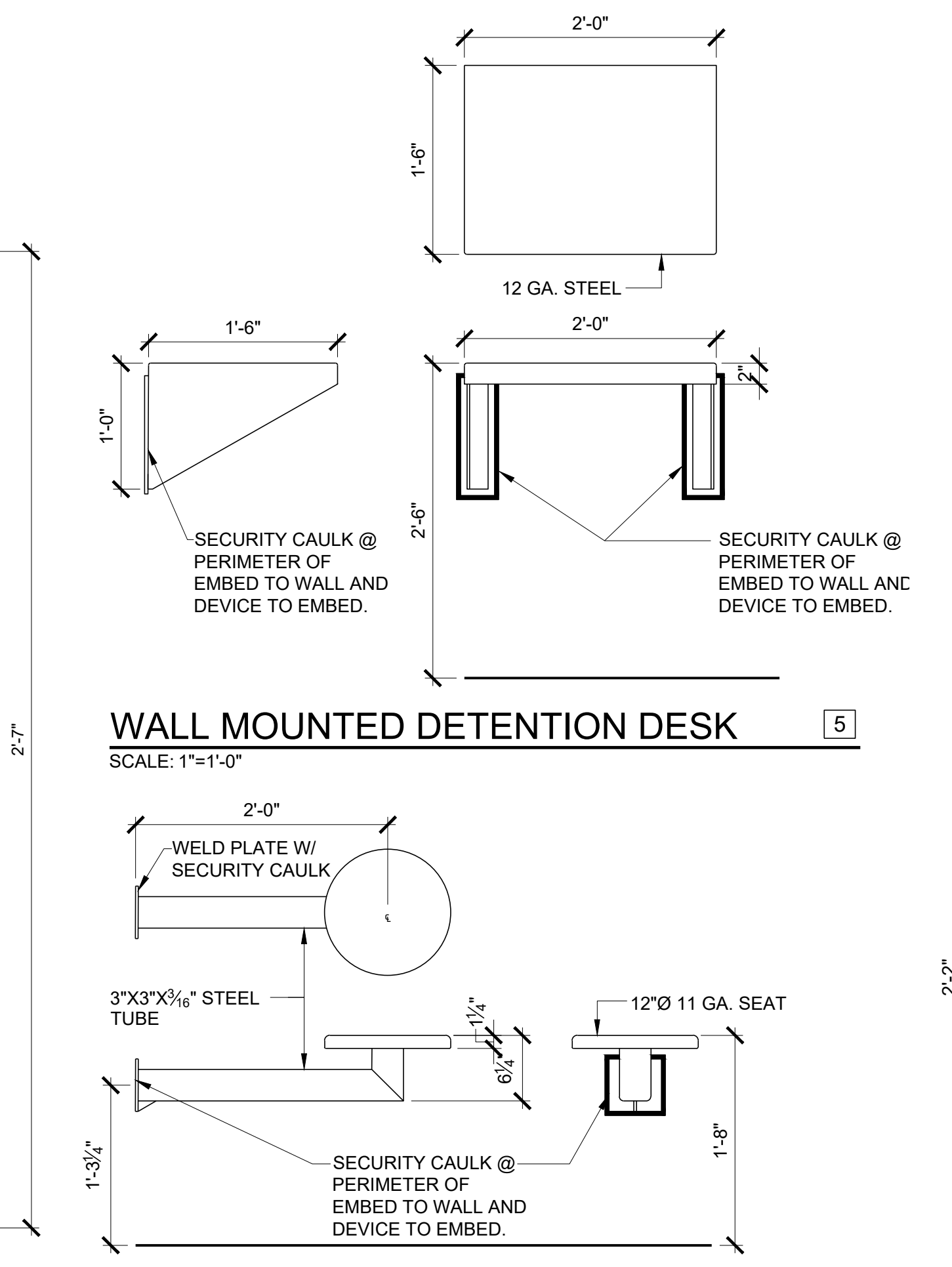
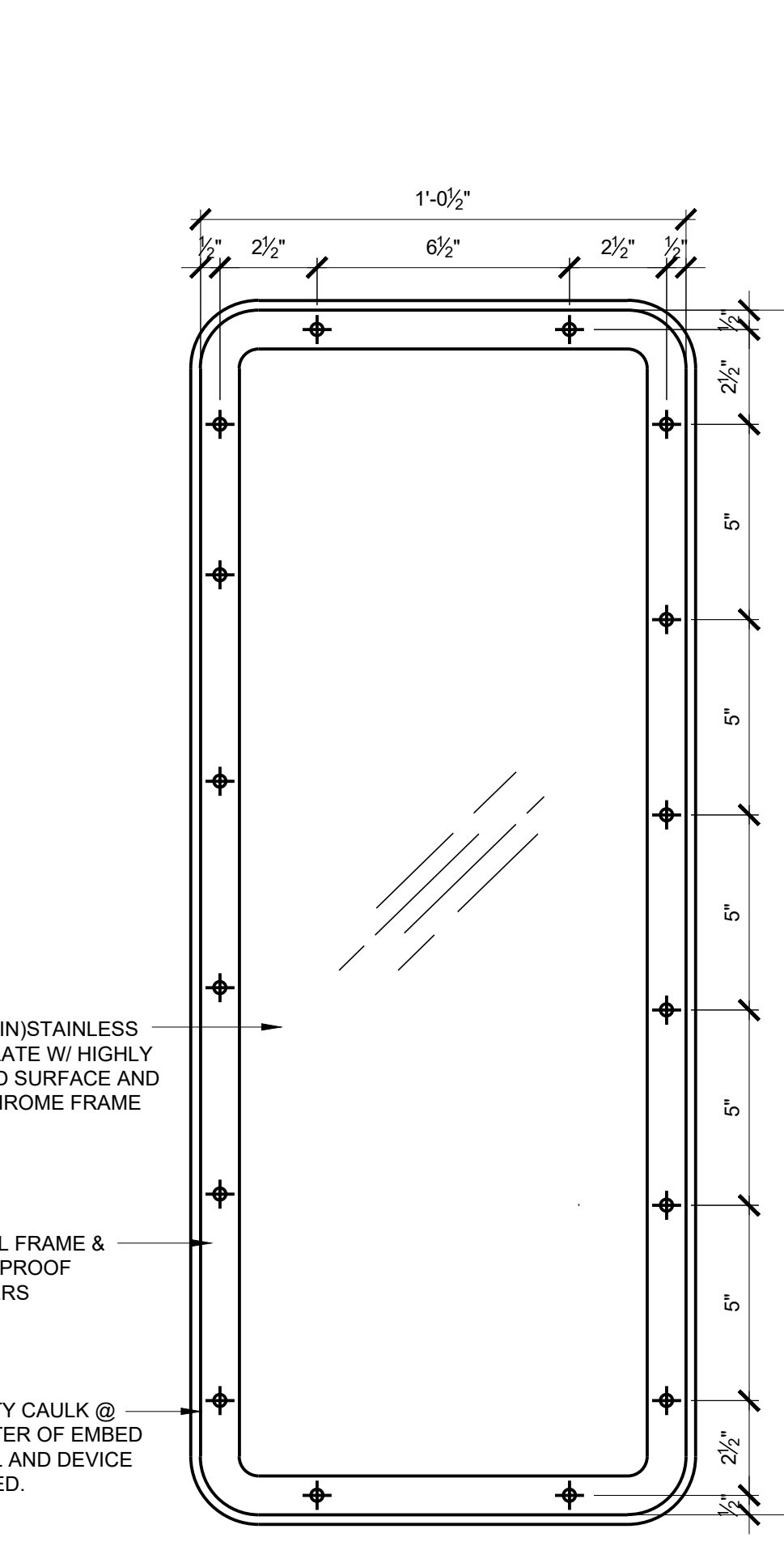
DIV. 11/DEC = DETENTION EQUIPMENT CONTRACTOR.



SECURITY SHELF
SCALE: 3/8"=1'-0"

SECURITY GARMENT HOOKS
SCALE: 3/8"=1'-0"

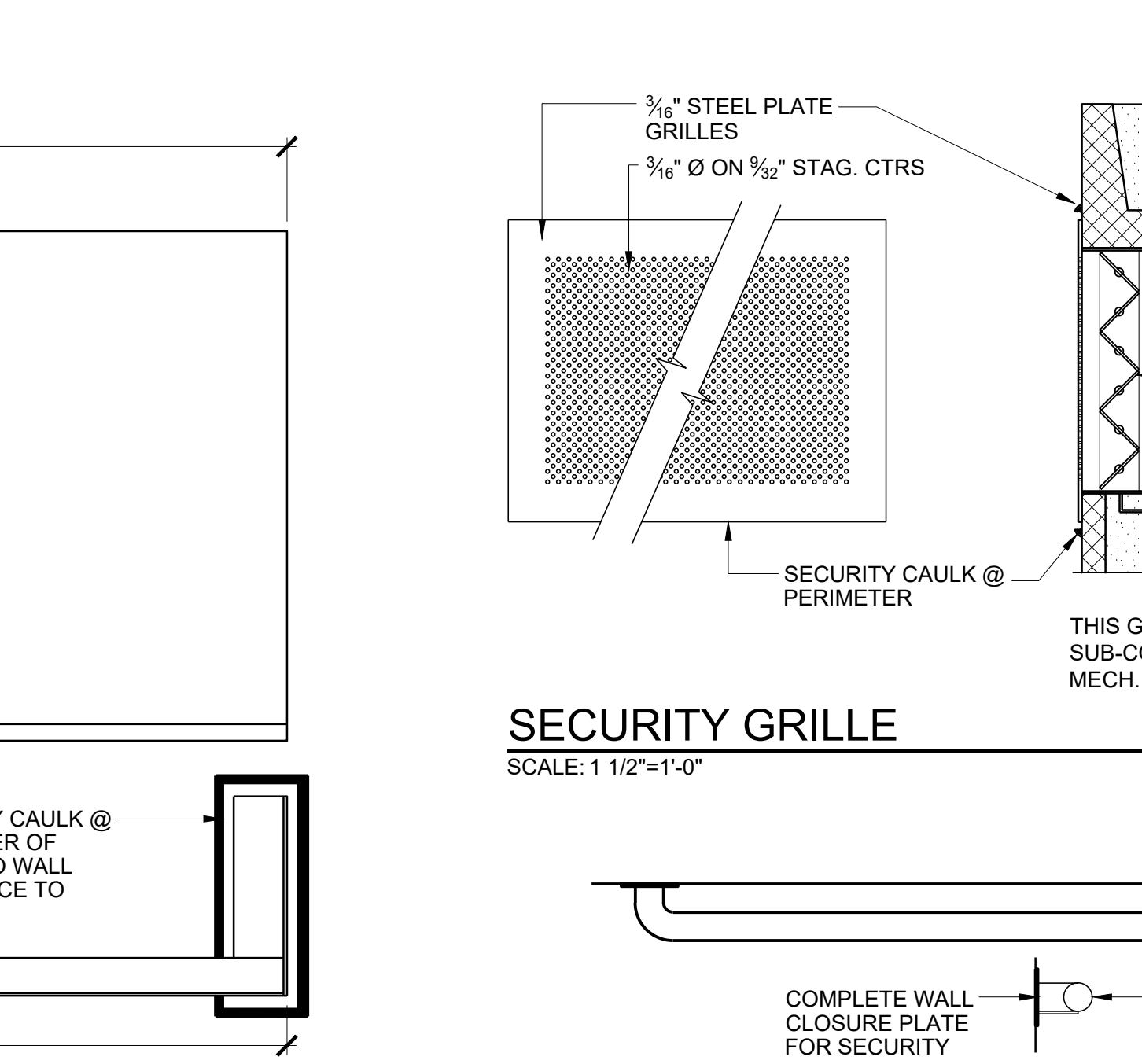
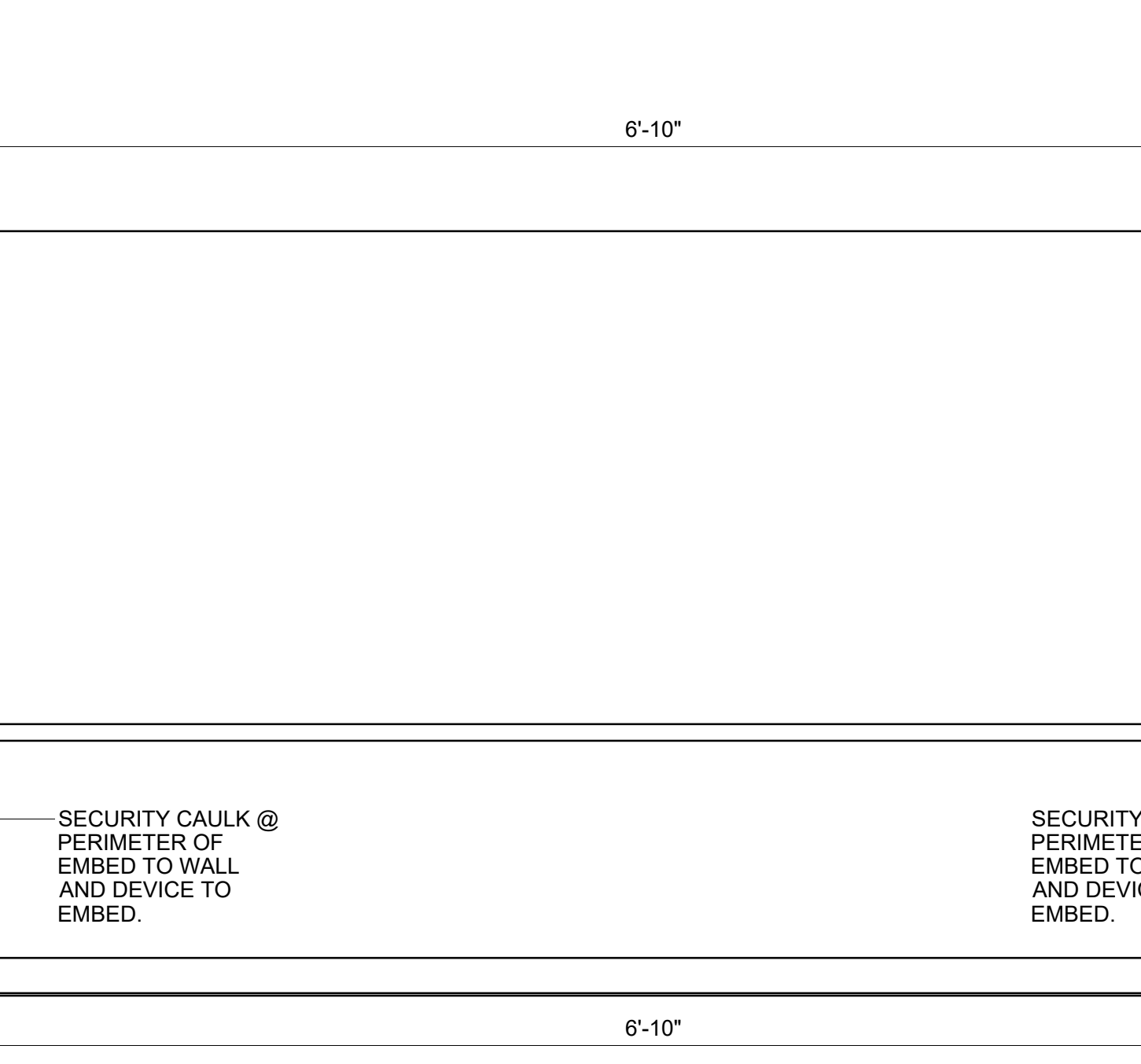
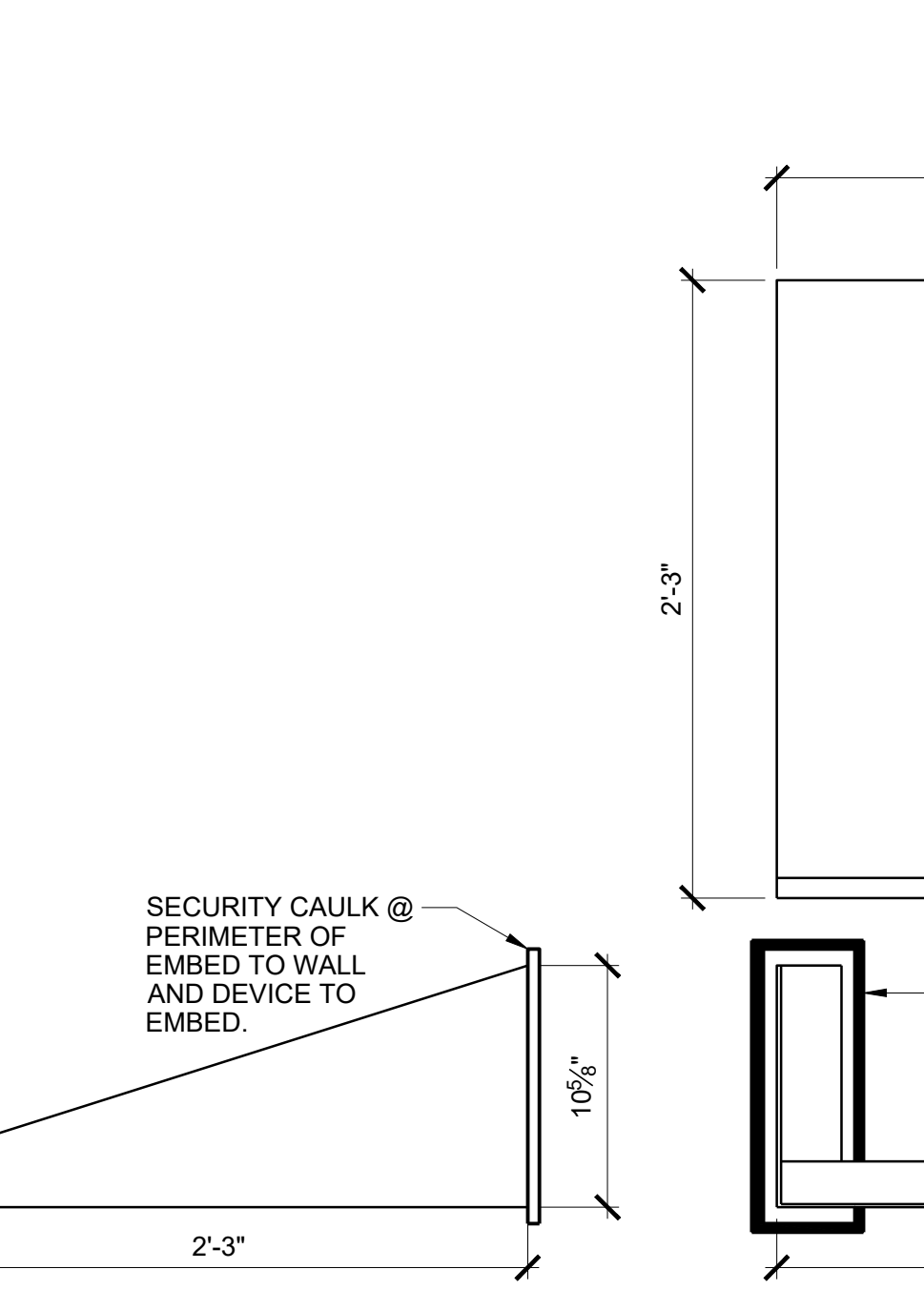
SECURITY MIRROR
SCALE: 3/8"=1'-0"



H.C. SECURITY MIRROR
SCALE: 3/8"=1'-0"

WALL MOUNTED DETENTION STOOL
SCALE: 1/2"=1'-0"

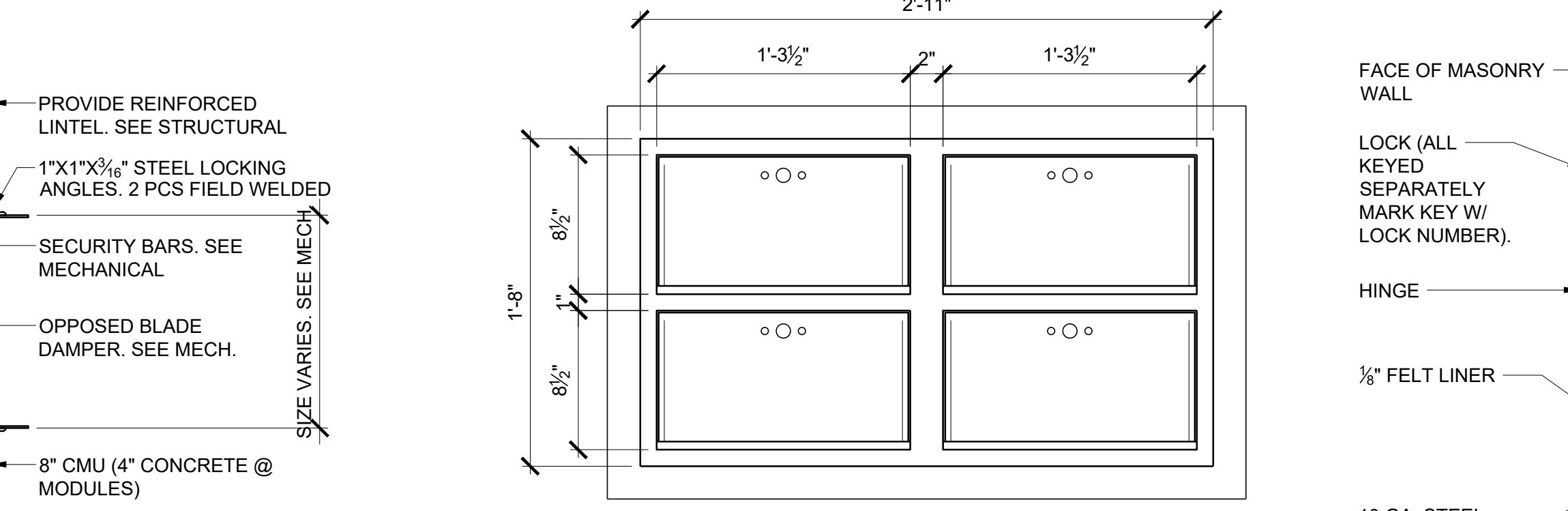
SECURITY ACCESS DOOR/ FRAME
SCALE: 1 1/2"=1'-0"



PAN TYPE WALL MOUNTED DETENTION BED
SCALE: 1 1/2"=1'-0"

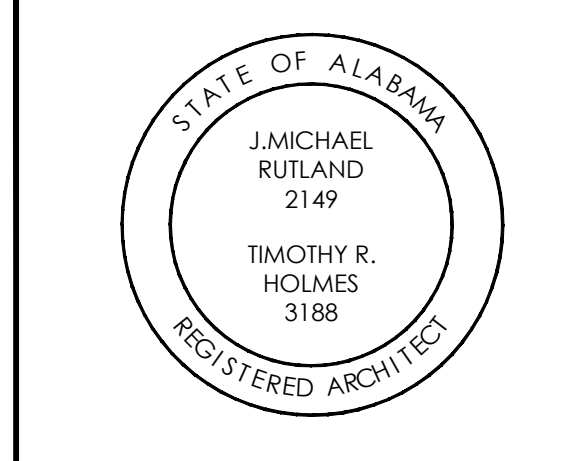
SECURITY GRILLE
SCALE: 1 1/2"=1'-0"

SECURITY GRAB BAR (24", 36", 42")
SCALE: 1 1/2"=1'-0"



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

JMR+H
Architecture, P.C.
445 Dexter Avenue
Suite 5050
Montgomery, AL 36104
Phone: (334) 420-5672
Fax: (334) 420-5692



CHOCTAW COUNTY JAIL BUTLER, ALABAMA

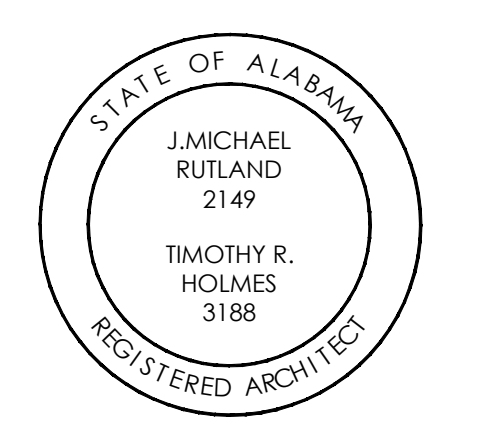
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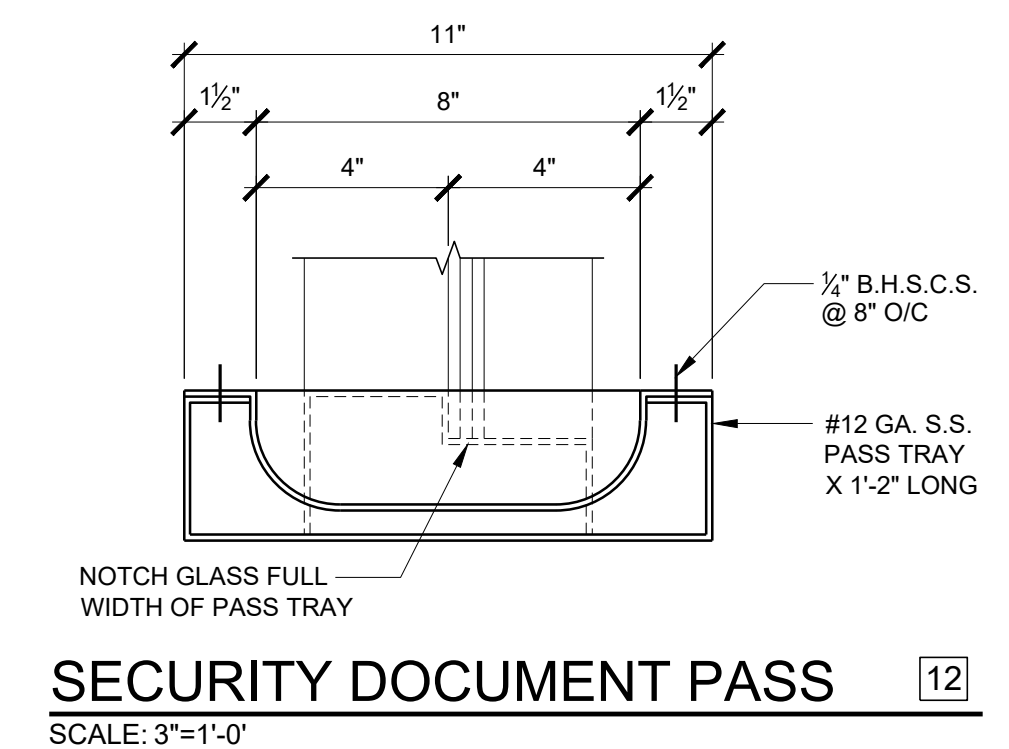
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SECURITY DETAILS

Sheet Number
A10.3

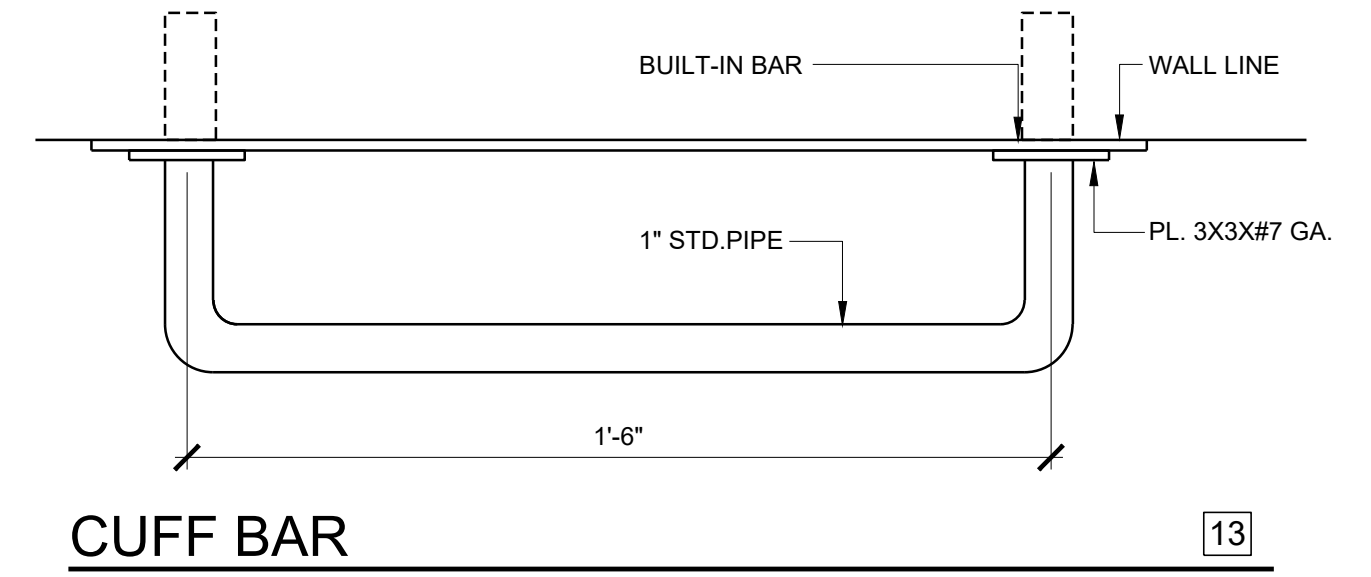
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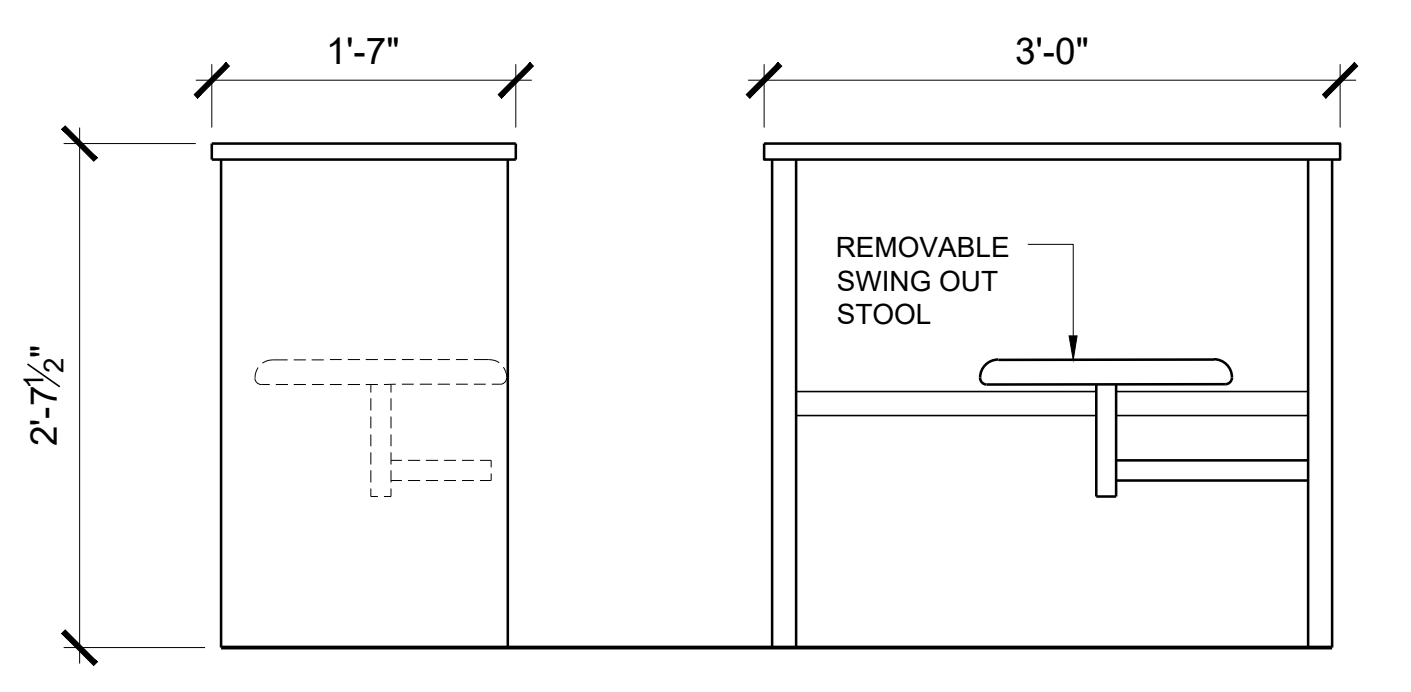
**CHOCTAW COUNTY JAIL
 BUTLER,
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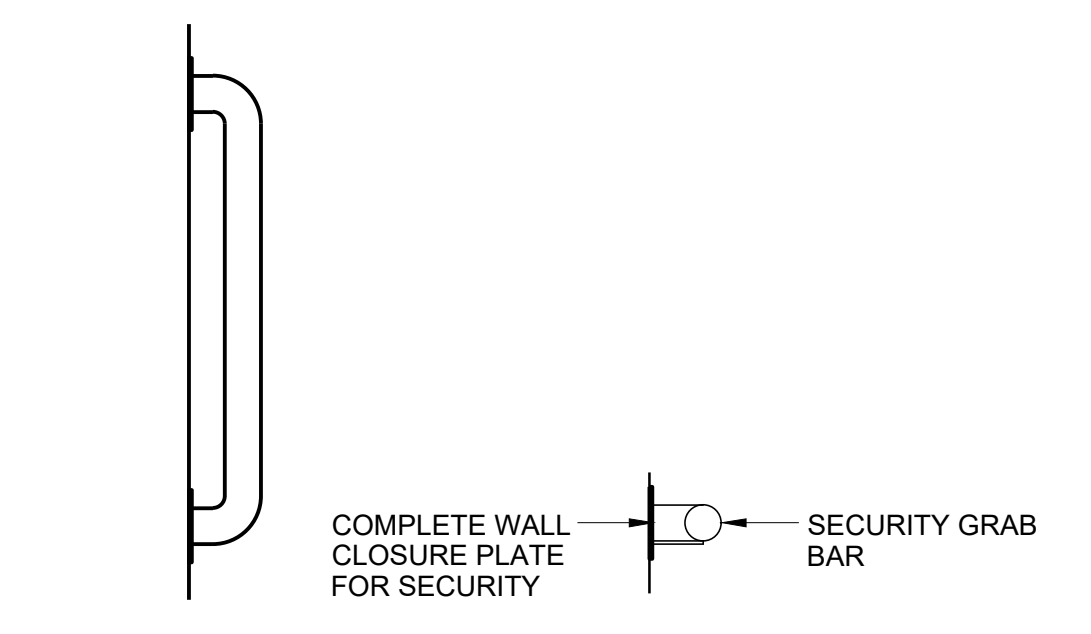
SECURITY DOCUMENT PASS 12
 SCALE: 3/4"=1'-0"



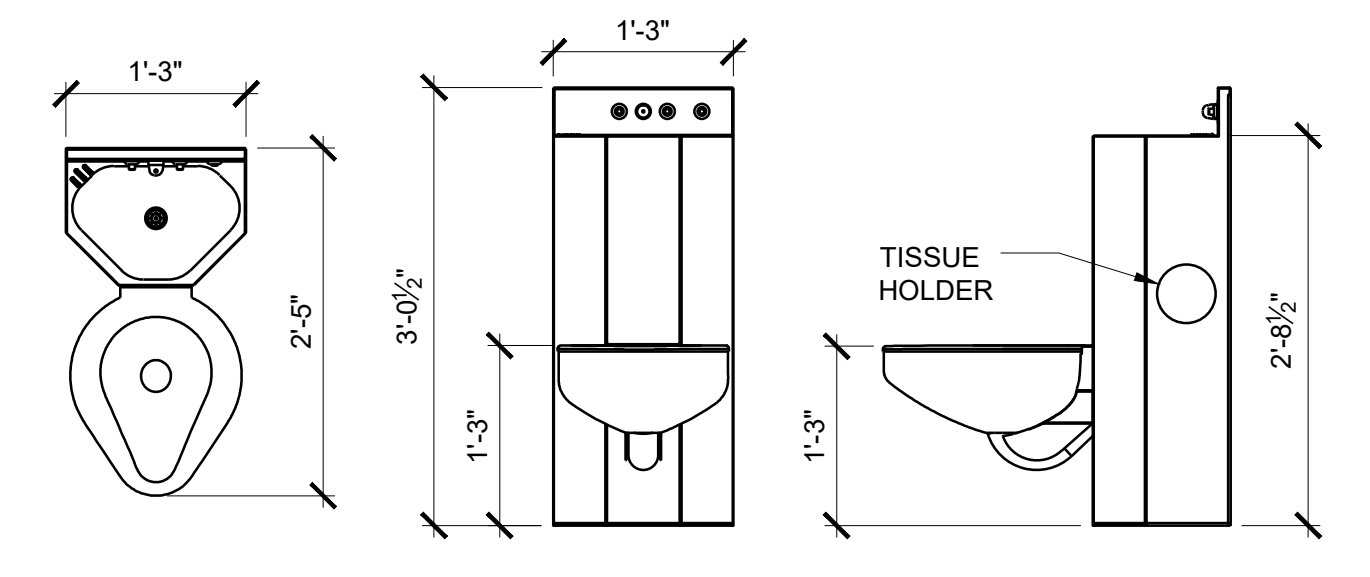
CUFF BAR 13
 SCALE: 3/4"=1'-0"



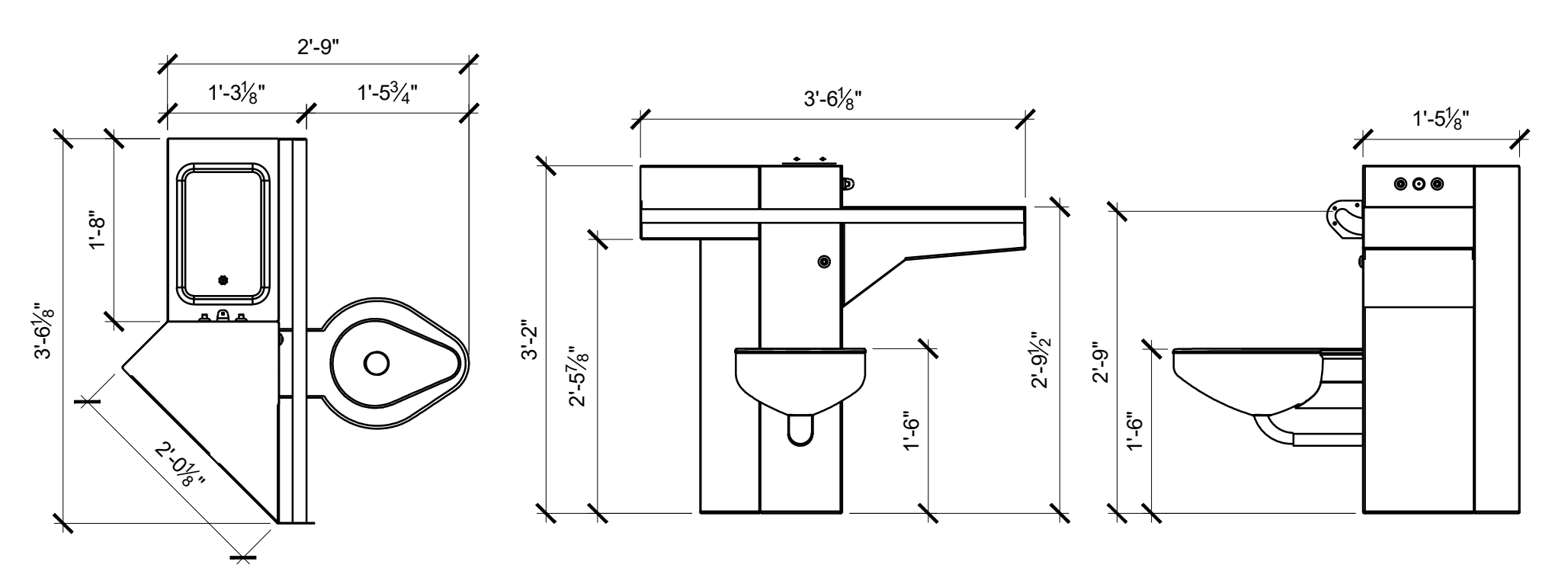
FLOOR MOUNTED DETENTION H.C. DESK 16
 SCALE: 1/4"=1'-0"



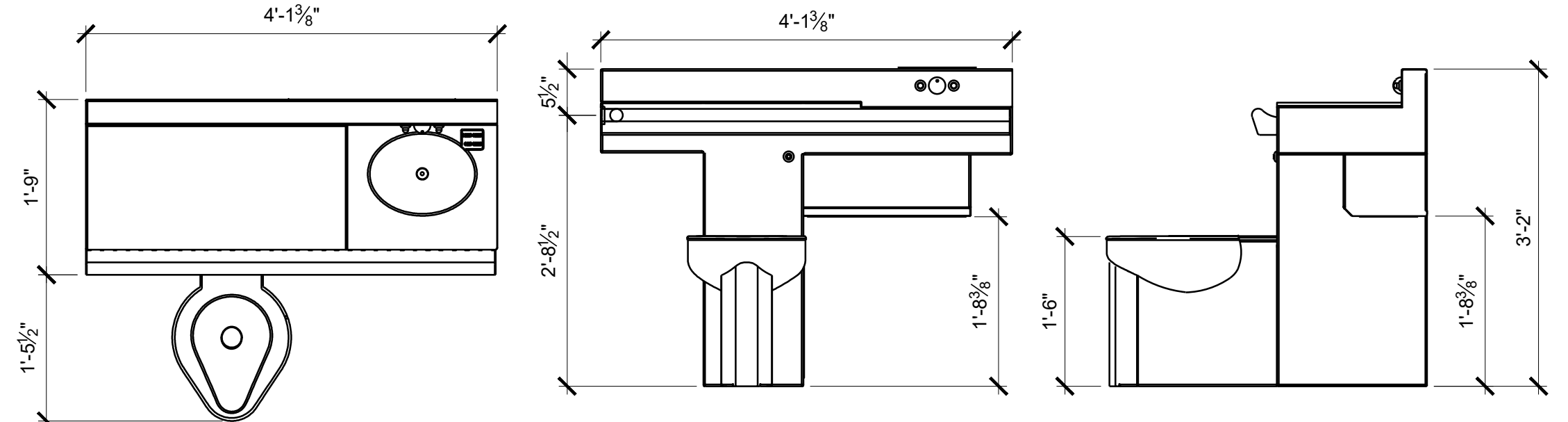
18" VERTICAL SECURITY GRAB BAR 18
 SCALE: 1/2"=1'-0"



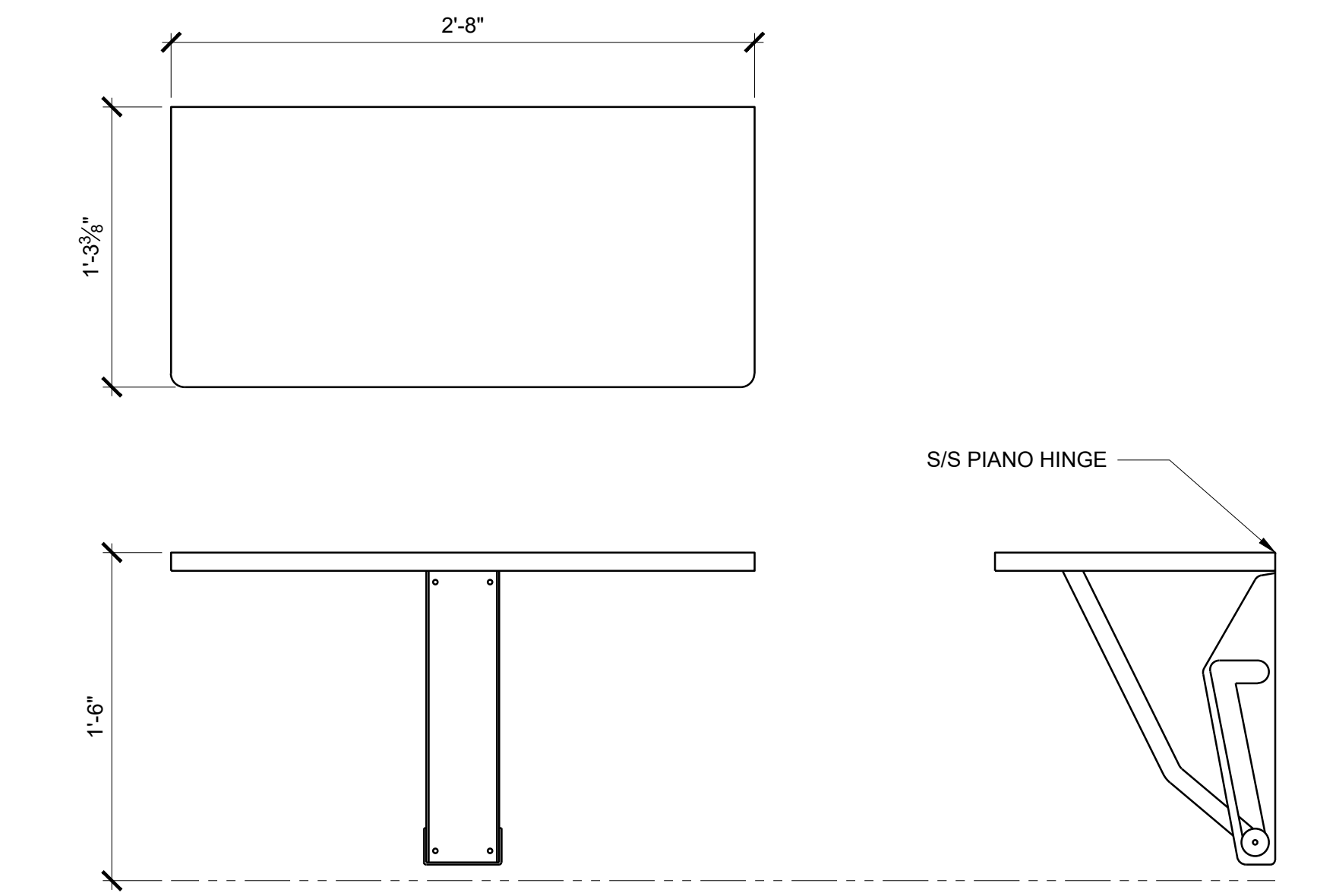
COMBINATION LAVATORY & TOILET 14
 SCALE: 3/4"=1'-0"



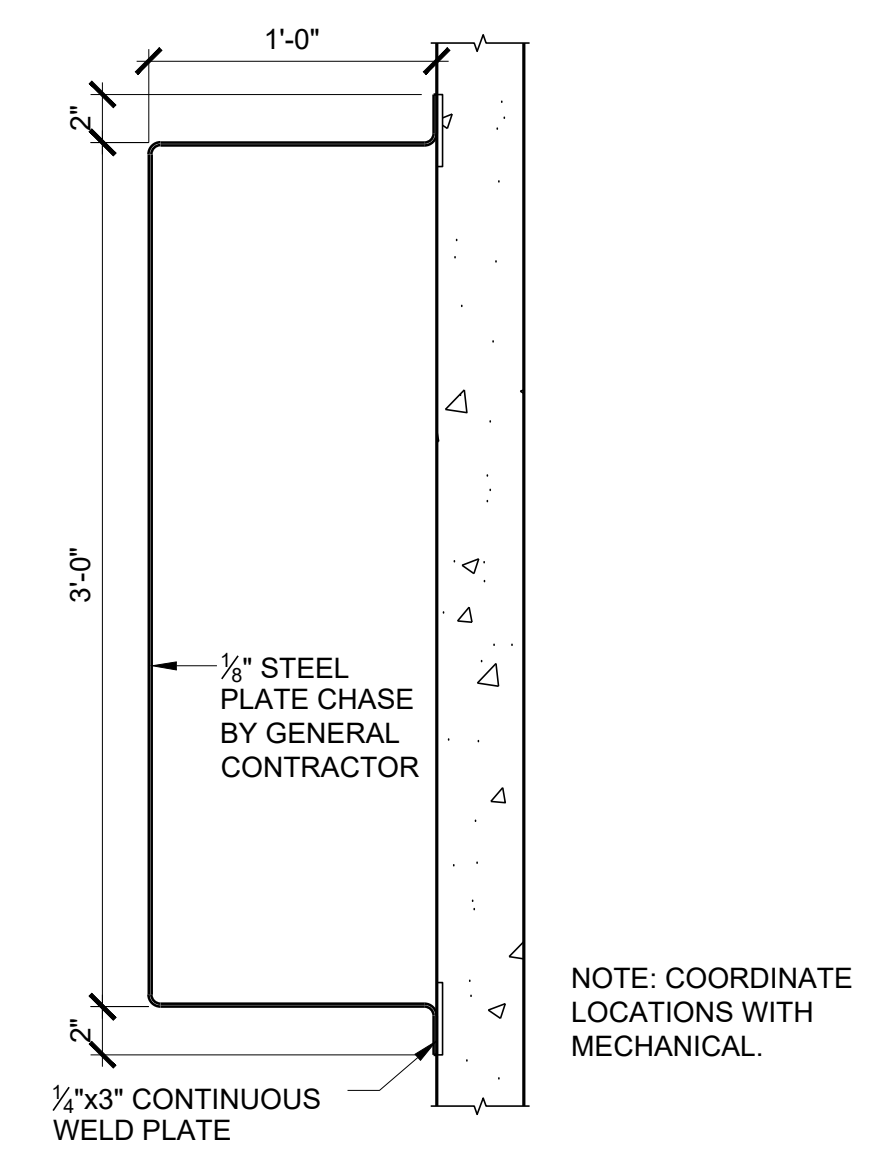
H.C. COMBINATION LAVATORY & TOILET 15
 SCALE: 3/4"=1'-0"



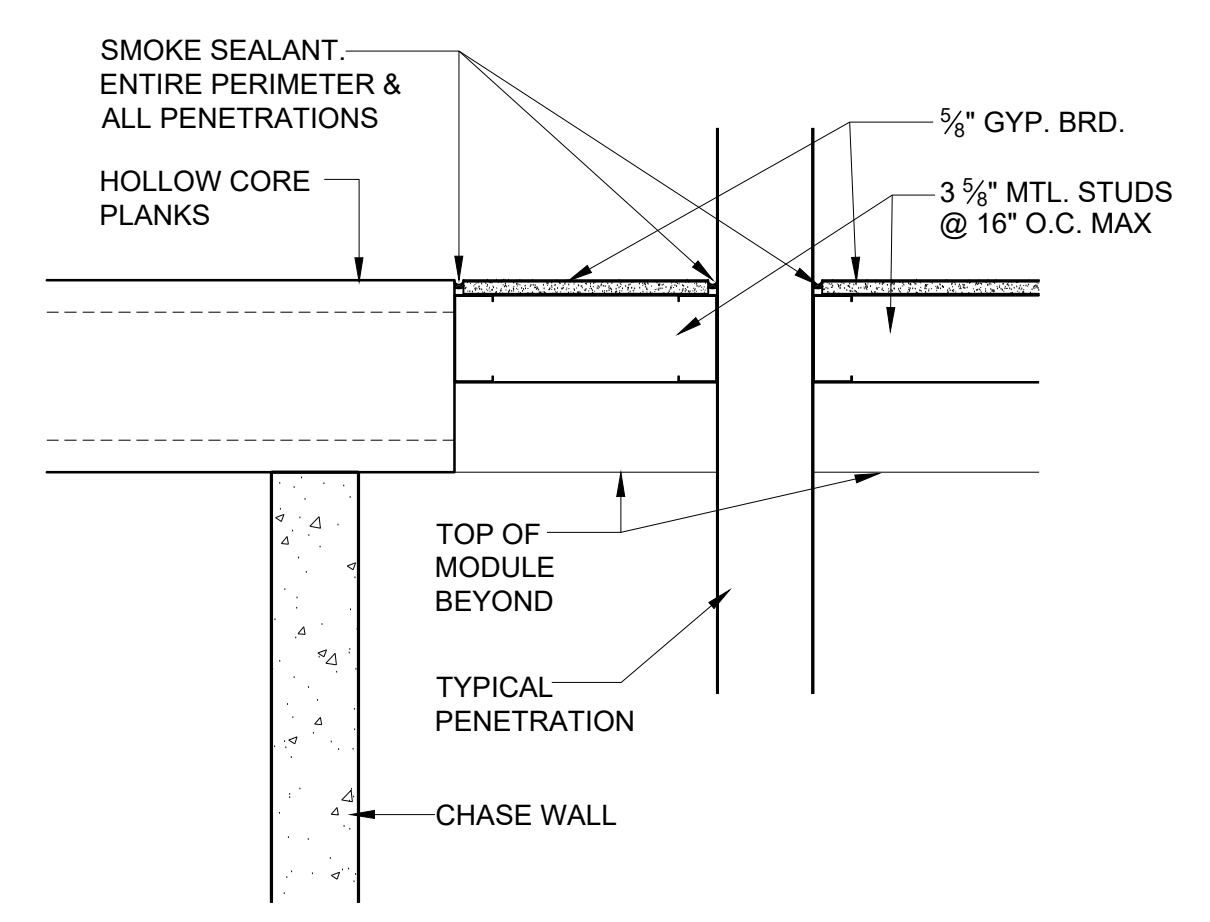
H.C. COMBINATION LAVATORY & TOILET 15A
 SCALE: 3/4"=1'-0"



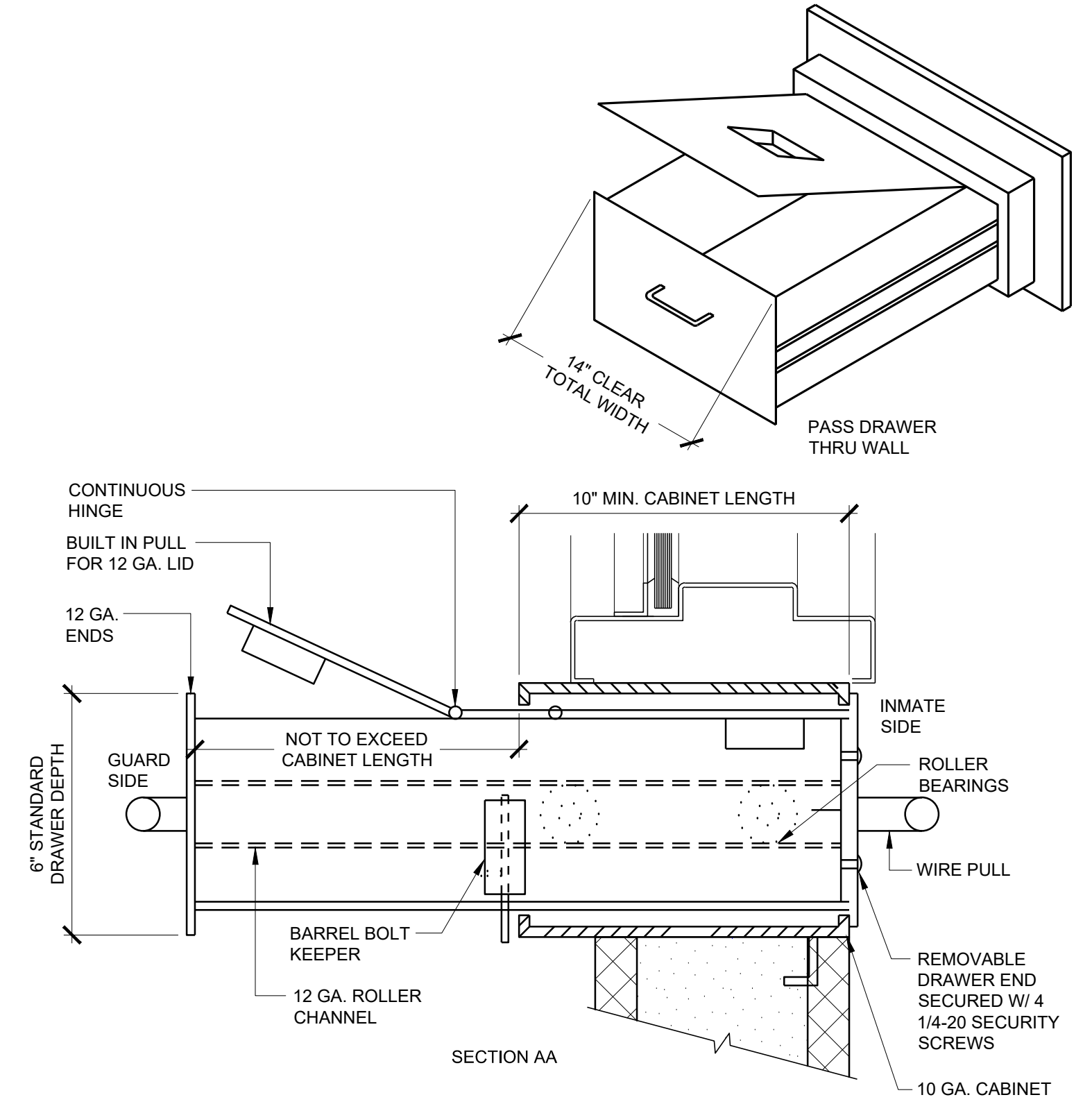
FOLDING SHOWER SEAT 19
 SCALE: 1/2"=1'-0"



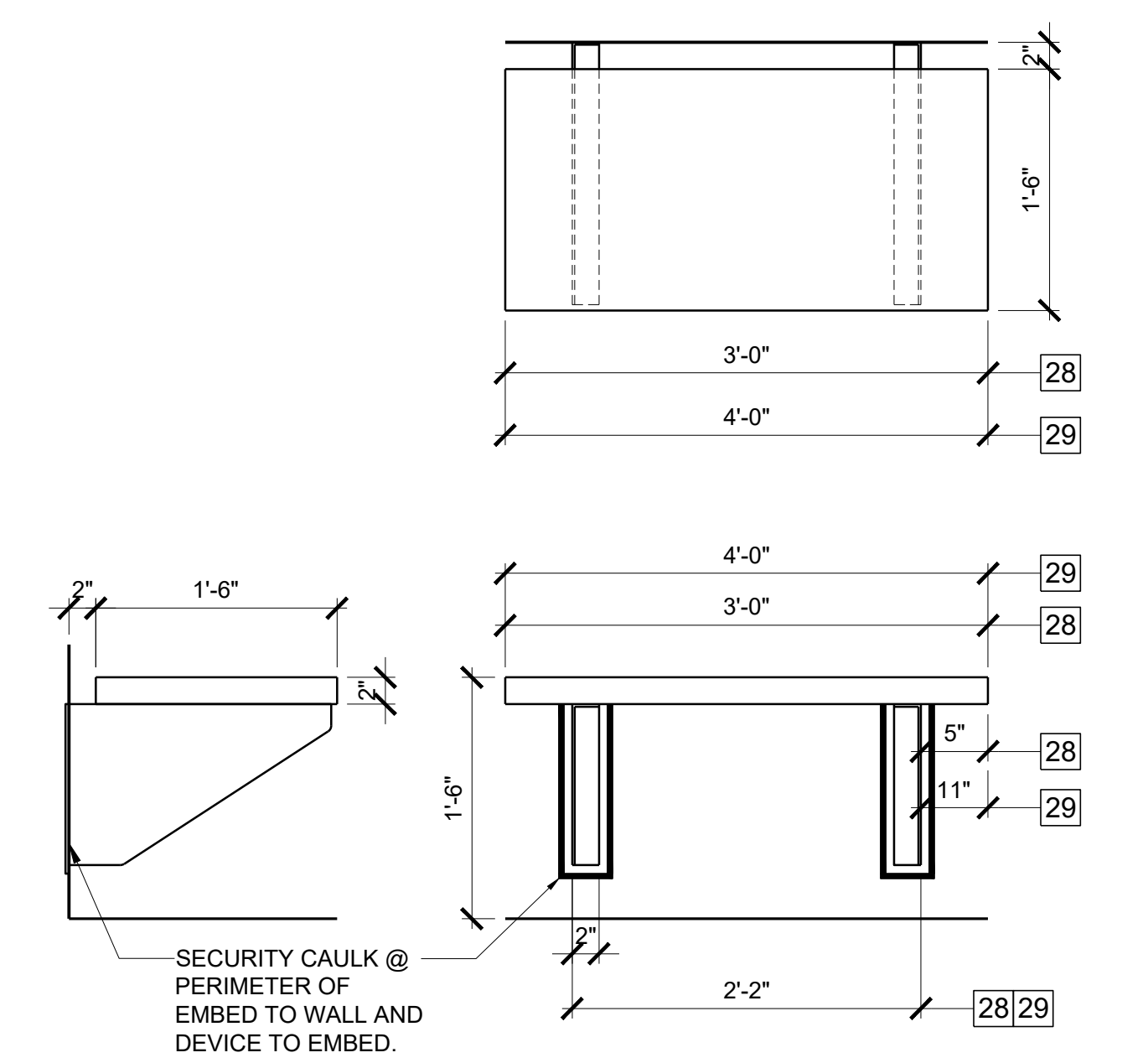
CHASE CAP DETAIL TYP. 25
 SCALE: 1/2"=1'-0"



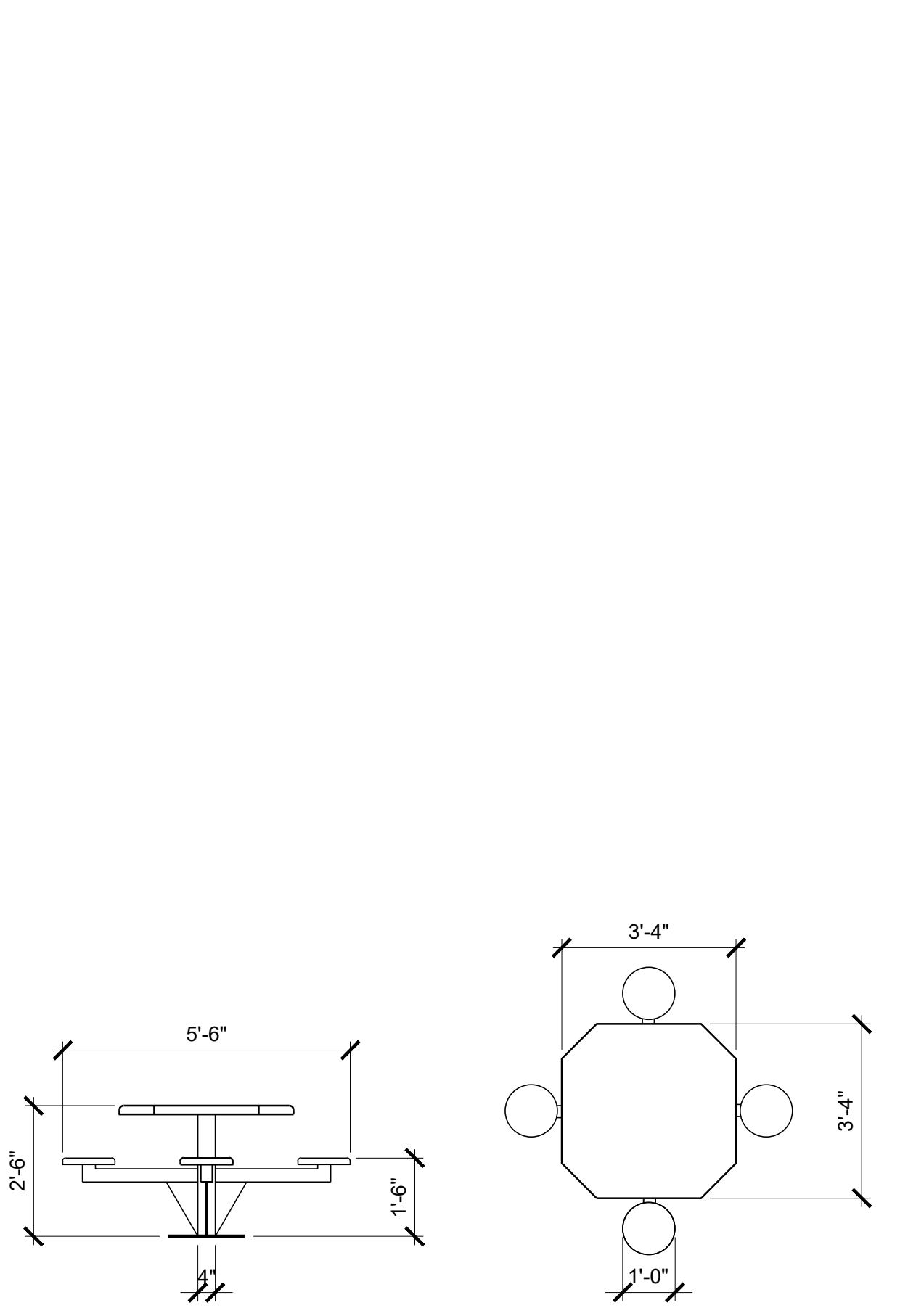
CHASE CAP DETAIL TYP. 25
 SCALE: 1/2"=1'-0"



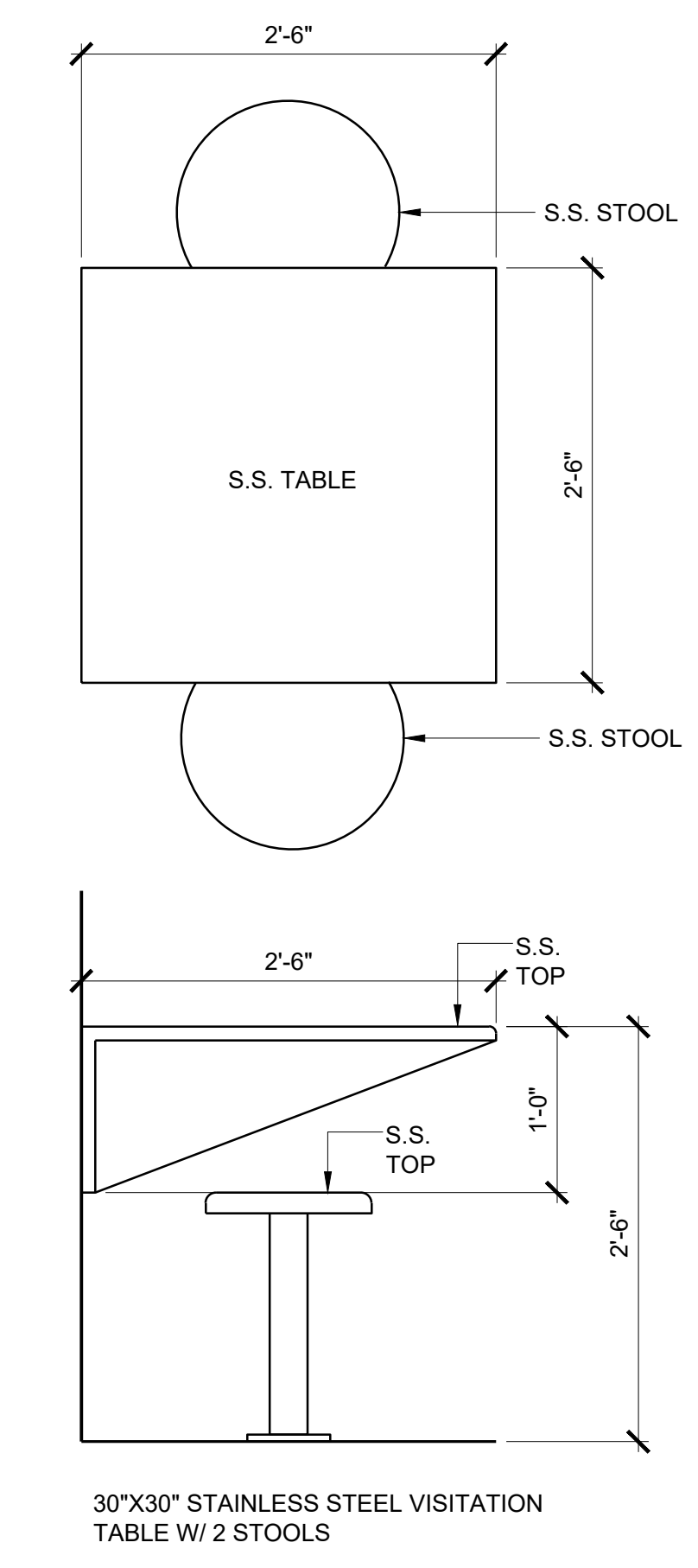
SECURITY PASS BOX 26
 SCALE: 3/4"=1'-0"



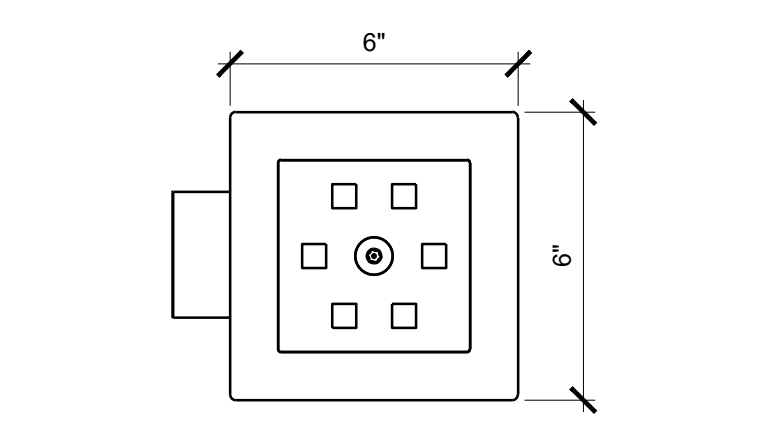
SECURITY BENCH (36", 48") 28, 29
 SCALE: 1"=1'-0"



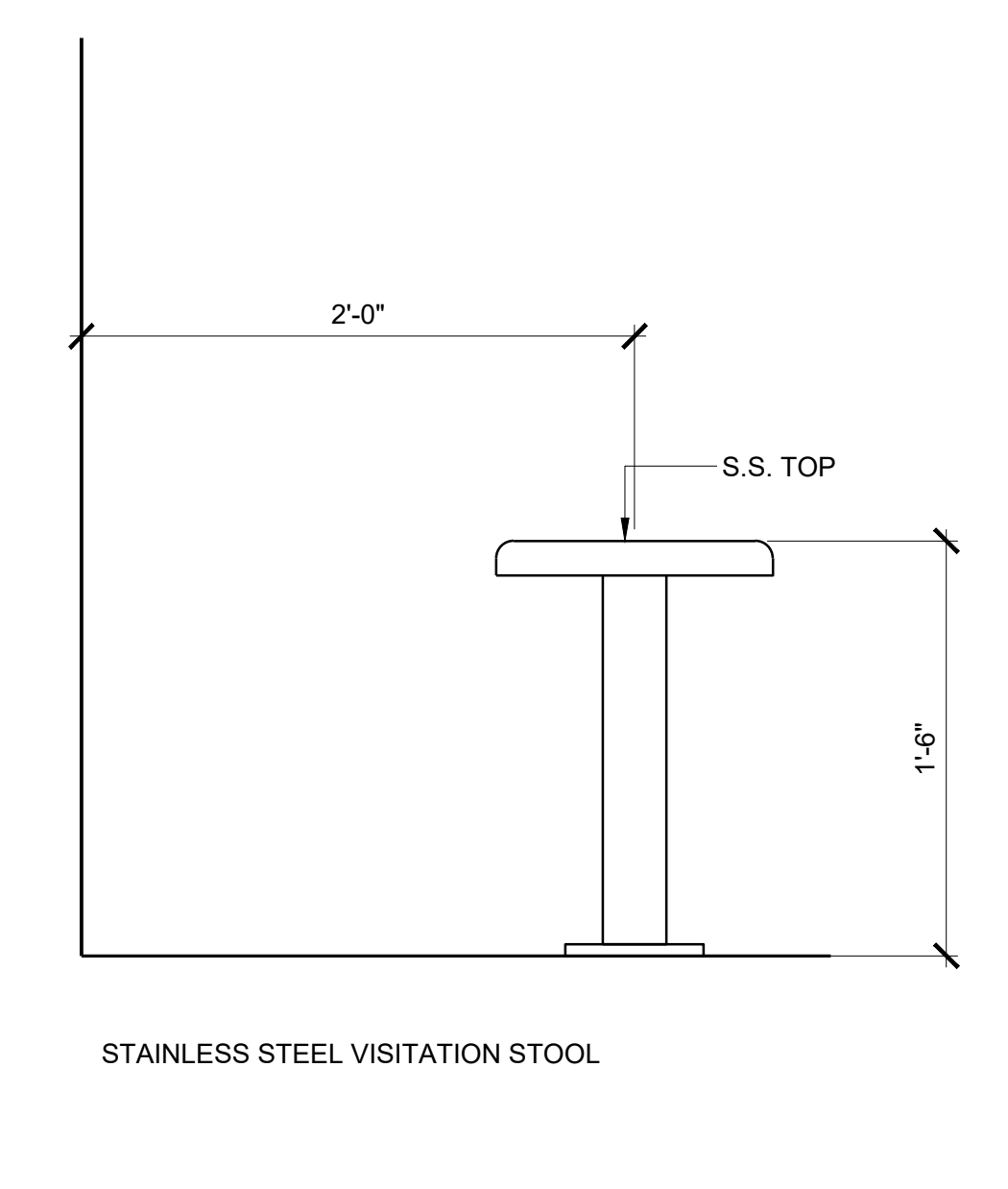
DAYSPACE TABLE 30
 SCALE: 3/8"=1'-0"



CONTACT VISITATION TABLE 31
 SCALE: 1"=1'-0"



MODULE FLOOR DRAIN 32
 SCALE: 3/4"=1'-0"



VIDEO VISITATION STOOL 33
 SCALE: 1/2"=1'-0"

PRINTED: 6/4/2024 @ 1:12PM FILE NAME: W:\JMRH Projects 2022\22-1189 Choctaw County Jail\A10.3_A10.4 Security Details.dwg

CONSTRUCTION DOCUMENTS

Project Number: 22-1189
 Date: 30 MAY 2024
 Revisions:

Sheet Description

SECURITY DETAILS

Sheet Number

A10.4

TYPE "A" - PERMANENT ROOM ID

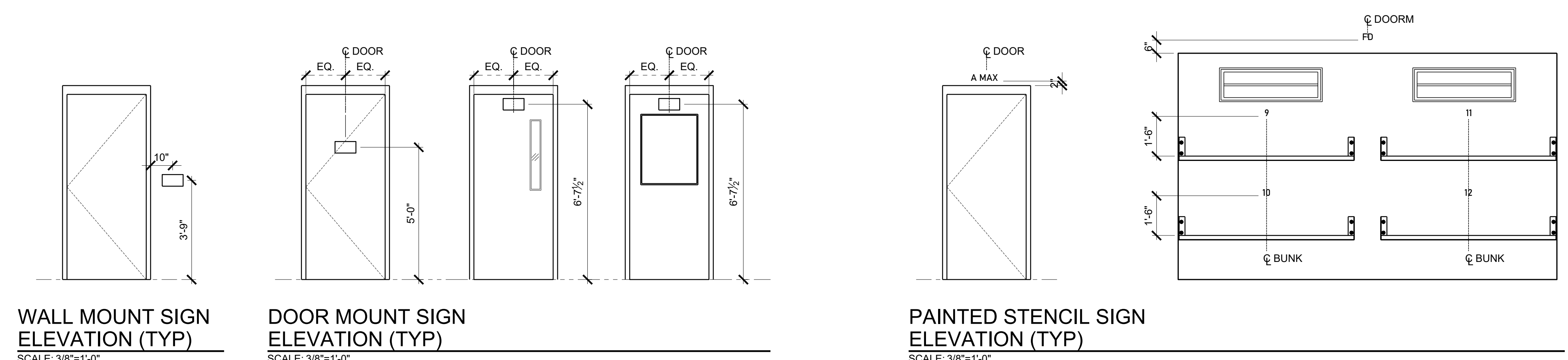
ROOM NO.	DOOR NO.	ROOM NAME
104	122	LOBBY
105	125	CONTACT VISITATION
106	126	VIDEO VISITATION
107	130	RECORDS
108	129	ADMIN
109	131	CHIEF JAILER
164	128	CORRIDOR
TYPE "B" - ADA RESTROOM ID		
FIRST FLOOR		
102	123	TOILET
103	124	TOILET
TYPE "E" - STENCIL PAINTED		
FIRST FLOOR		
105	127	CONTACT VISITATION
111	133	SECURE VEST.
112	134	TOILET
113	135	JAN.
114	132	KITCHEN
117	136	DRY STOR.
120	164	CORR.
121	105	OUTDOOR EXERCISE
121	107	OUTDOOR EXERCISE
124	158	MULTI-PURPOSE
125	157	SEGREGATION
126	139	CELL
127	140	CELL
128	142	CELL
130	-	TOIL.
132	-	TOIL.
133	-	DORM
133	-	DORM
134	156	MINIMUM SECURITY
135	109	OUTDOOR EXERCISE
136	144	CELL
137	145	CELL
138	147	CELL
139	155	MEDIUM SECURITY
140	-	TOIL.
143	-	TOIL.
144	148	CELL
145	150	CELL
146	151	CELL
147	154	MEDIUM SECURITY
148	153	MINIMUM SECURITY
149	113	OUTDOOR EXERCISE
149	114	OUTDOOR EXERCISE
150	-	DORM
150	-	DORM
151	-	TOIL.
154	-	TOIL.
155	160	INMATE WORKERS
156	159	CENTRAL CONTROL
157	173	CELL
158	175	CELL
159	176	CELL
160	180	SEARCH
161	172	ISSUE
162	161	LAUNDRY
163	162	CORRIDOR
165	168	BOOKING DESK
166	166	STAFF TOIL.
167	165	JAN.
168	170	PROPERTY
169	169	MEDICAL
171	181	HOLDING
172	183	HOLDING
173	184	HOLDING
174	186	DETOX
175	167	ID
176	-	PROCESSING SCANS
177	187	SECURE VEST.
179	190	SECURE VEST.
180	195	FEMALE JUVENILE
181	196	CELL
182	118	OUTDOOR EXERCISE
182	119	OUTDOOR EXERCISE
185	198	CELL
186	194	MALE JUVENILE
187	-	DORM
187	-	DORM
189	-	TOIL.
190	116	OUTDOOR EXERCISE
191	193	CELL
192	191	CELL
193	189	WOMEN'S HOUSING POD

GENERAL SIGNAGE NOTES

- LOCATE SIGN UNITS AND ACCESSORIES WHERE INDICATED, USING MOUNTING METHODS OF THE TYPE DESCRIBED AND IN COMPLIANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- ATTACH PANEL SIGNS TO WALL SURFACES USING METHODS INDICATED BELOW.
 - A. SILICONE ADHESIVE MOUNTING: USE LIQUID SILICONE ADHESIVE RECOMMENDED BY THE SIGN MANUFACTURER TO ATTACH SIGN UNITS TO IRREGULAR, POROUS, OR VINYL COVERED SURFACES. USE DOUBLE SIDED VINYL TAPE WHERE RECOMMENDED BY THE SIGN MANUFACTURER TO HOLD THE SIGN IN PLACE UNTIL THE ADHESIVE HAS FULLY CURED.
 - B. SHIM PLATE MOUNTING: PROVIDE CONCEALED ALUMINUM SHIM PLATES 1/8" THICK, WITH PREDRILLED AND COUNTERSUNK HOLES, AT LOCATIONS INDICATED AND WHERE OTHER MOUNTING METHODS ARE NOT PRACTICABLE. ATTACH THE PLATE WITH FASTENERS AND ANCHORS SUITABLE FOR SECURE ATTACHMENT TO THE SUBSTRATE. ATTACH PANEL SIGN UNITS TO THE PLATE USING THE METHOD SPECIFIED ABOVE.
- PROVIDE THE MANUFACTURER'S STANDARD BRACKETS, FITTINGS, AND HARDWARE AS APPROPRIATE FOR MOUNTING SIGNS THAT PROJECT AT RIGHT ANGLES FROM WALLS AND CEILINGS. ATTACH BRACKETS AND FITTINGS SECURELY TO WALLS OR CEILINGS WITH CONCEALED FASTENERS AND ANCHORING DEVICES TO COMPLY WITH MANUFACTURER'S DIRECTIONS.
- DIMENSIONAL LETTERS AND NUMBERS: MOUNT LETTERS AND NUMBERS USING STANDARD PIN MOUNTED FASTENING METHODS RECOMMENDED BY THE MANUFACTURER FOR LETTER FORM, TYPE OF MOUNTING, WALL CONSTRUCTION, AND CONDITION OF EXPOSURE INDICATED. PROVIDE HEAVY PAPER TEMPLATE TO ESTABLISH LETTER SPACING AND TO LOCATE HOLES FOR FASTENERS.
- PROVIDE SHOP DRAWINGS FOR FABRICATION AND ERECTION OF SIGNS. INCLUDE PLANS, ELEVATIONS, AND LARGE SCALE SECTIONS OF TYPICAL MEMBERS AND OTHER COMPONENTS. SHOW ANCHORS, GROUNDINGS, REINFORCEMENT, ACCESSORIES, LAYOUT, AND INSTALLATION DETAILS. PROVIDE MESSAGE LIST FOR EACH SIGN REQUIRED, INCLUDING LARGE SCALE DETAILS OF WORDING AND LAYOUT OF LETTERING. DELETE THE NEXT PARAGRAPH IF INSTALLATION OF SIGNS WILL NOT REQUIRE ANCHOR BOLTS TO BE SET UNDER OTHER SECTIONS SIGNS SUPPORTED BY OR ANCHORED TO PERMANENT CONSTRUCTION. PROVIDE SETTING DRAWINGS, TEMPLATES, AND DIRECTIONS FOR INSTALLATION OF ANCHOR BOLTS AND OTHER ANCHORS TO BE INSTALLED AS A UNIT OF WORK IN OTHER SECTIONS.

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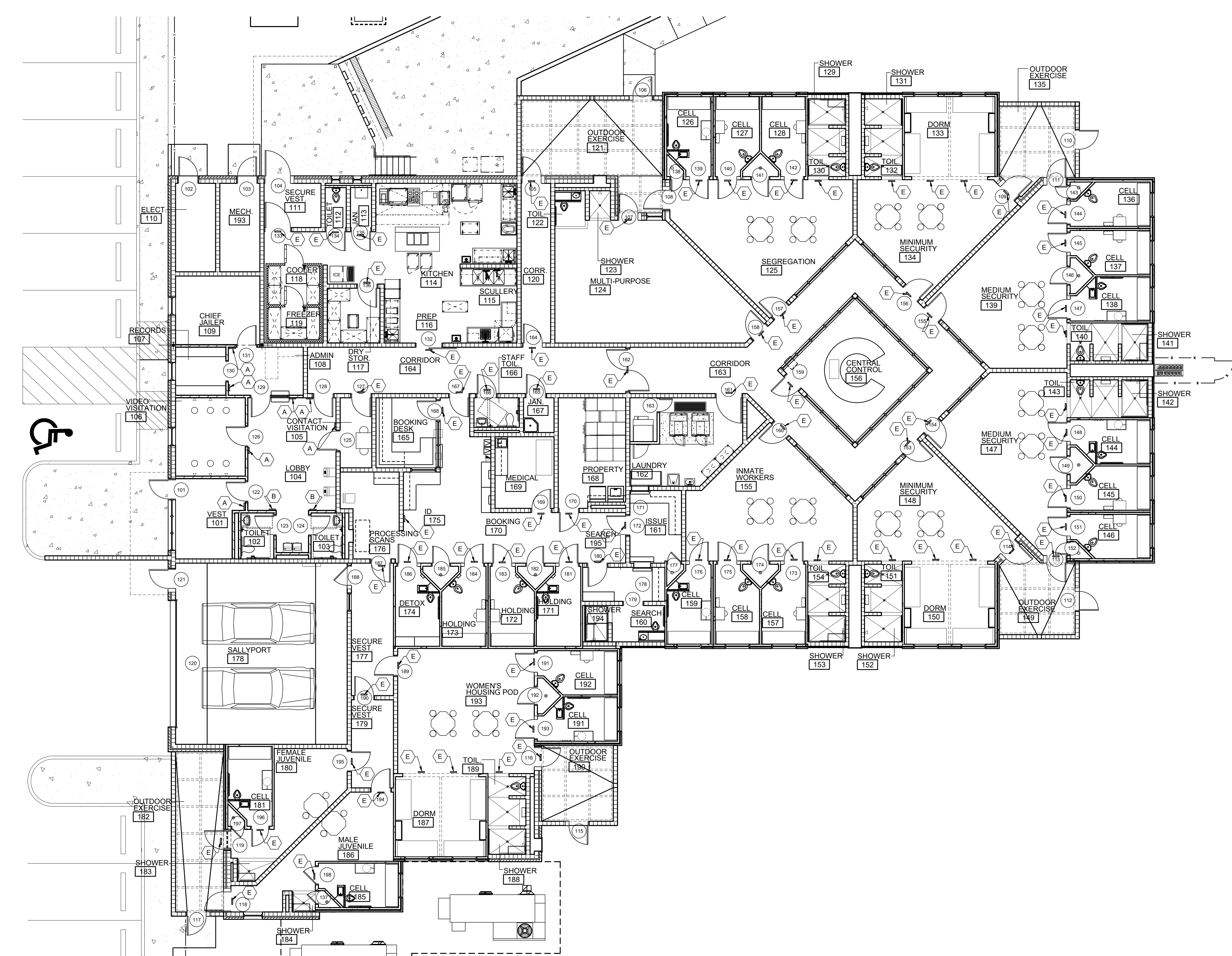
CHOCTAW COUNTY JAIL BUTLER, ALABAMA



WALL MOUNT SIGN ELEVATION (TYP)
SCALE: 3/8"=1'-0"

DOOR MOUNT SIGN ELEVATION (TYP)
SCALE: 3/8"=1'-0"

PAINTED STENCIL SIGN ELEVATION (TYP)
SCALE: 3/8"=1'-0"



WORK NOTES

- ALL SIGNAGE IS A PART OF THIS CONTRACT. SEE SPECIFICATIONS.

SIGNAGE LEGEND

- (A) TYPE "A" - PERMANENT ROOM ID
- (B) TYPE "B" - ADA UNISEX RESTROOM ID (UNISEX REPRESENTATION UNAVAILABLE)
- (D) TYPE "D" - EVACUATION MAP
- (E) 3" BAHNSCHRIFT SEMIBOLD FONT STENCIL PAINTED LETTERS.

CONSTRUCTION DOCUMENTS

Project Number: 22-1189
Date: 30 MAY 2024
Revisions:

Sheet Description

SIGNAGE PLAN

Sheet Number

A11.1

PRINTED: 6/14/2024 @ 11:44AM
FILE NAME: W:\JMRH Projects 2022\22-1189 Choctaw County Jail\A11.1 Furniture Plan.dwg

FOODSERVICE GENERAL NOTES
<ul style="list-style-type: none"> ITEMS OF FOODSERVICE EQUIPMENT SHALL BE FABRICATED AND INSTALLED IN STRICT ACCORDANCE WITH THE LATEST STANDARDS PUBLISHED BY THE NATIONAL SANITATION FOUNDATION (NSF) OR THE EQUIVALENT, IN STRICT COMPLIANCE WITH ALL APPLICABLE NATIONAL, STATE, AND/OR LOCAL CODES AND STANDARDS. WORK AND MATERIALS SHALL BE IN COMPLIANCE WITH REQUIREMENTS OF APPLICABLE CODES, ORDINANCES, AND REGULATIONS INCLUDING, BUT NOT LIMITED TO, THOSE OF THE NATIONAL FIRE PROTECTION ASSOCIATION, STATE FIRE MARSHAL, STATE BOARD OF HEALTH, LOCAL HEALTH CODES, ETC. ELECTRICALLY OPERATED AND/OR HEATED EQUIPMENT, FABRICATED OR OTHERWISE, SHALL CONFORM TO THE LATEST STANDARDS OF NATIONAL ELECTRIC MANUFACTURERS' ASSOCIATION AND OF UNDERWRITERS LABORATORIES, INC. EQUIPMENT SHALL BEAR THE UL LABEL. STEAM HEATED EQUIPMENT SHALL BE MANUFACTURED IN ACCORDANCE WITH A.S.M.E. CODE REQUIREMENTS AND CARRY THE A.S.M.E. STAMP. NO EXTRA CHARGE WILL BE PAID FOR FURNISHING ITEMS REQUIRED BY REGULATIONS BUT NOT SPECIFIED OR SHOWN ON THE DRAWINGS. RULINGS AND INTERPRETATIONS OF ENFORCING AGENCIES SHALL BE CONSIDERED PART OF THE REGULATIONS. GENERAL CONTRACTOR TO SITE VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. <p>DISCLAIMER</p> <ul style="list-style-type: none"> FOODSERVICE EQUIPMENT PLANS AND SPECIFICATIONS ARE INTENDED TO ILLUSTRATE TYPES AND ARRANGEMENTS, INCLUDING SPACE AND UTILITY REQUIREMENTS, OF EQUIPMENT REQUIRED FOR THE PROJECT REGARDING THE DESIRED FUNCTION AND PRODUCT FLOW. THEY ARE INTENDED TO SERVE AS A REFERENCE TO THE LICENSED PROFESSIONAL ARCHITECT AND/OR ENGINEERS IN THE PREPARATION OF THEIR RESPECTIVE BID AND CONSTRUCTION DOCUMENTS. NO ARCHITECTURAL OR ENGINEERING DESIGN SERVICES ARE INTENDED OR ASSUMED. <p>ERRORS AND OMISSIONS</p> <ul style="list-style-type: none"> DESIGN DOCUMENTS INCLUDE DRAWINGS AND SPECIFICATIONS WHICH SHOULD BE REASONABLY CORRECT. HOWEVER, THEIR COMPLETE ACCURACY IS NOT GUARANTEED. SHOULD DISCREPANCIES OCCUR, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE FOODSERVICE CONSULTANT AND/OR PROJECT ARCHITECT/ENGINEER FOR THE CONFLICT TO BE CLARIFIED IN AN OFFICIAL REQUEST FOR INFORMATION. IT SHALL BE THE RESPONSIBILITY OF THE FOODSERVICE EQUIPMENT BIDDERS TO INFORM THE FOODSERVICE CONSULTANT OF ANY DISCREPANCIES FOUND WITHIN THESE DOCUMENTS TO INCLUDE: WRITTEN SPECIFICATIONS, DRAWINGS, OR SCHEDULES, TO ALLOW AN OPPORTUNITY FOR THE CONSULTANT TO PREPARE AN ADDENDUM TO CORRECT SUCH DISCREPANCIES. BIDDING ON A KNOWN DISCREPANCY WITH THE INTENTION OF EQUIPMENT SUBSTITUTION OR PRICE GOUGING THROUGH CHANGE ORDERS WILL NOT BE TOLERATED.

FOODSERVICE PLUMBING NOTES
<ul style="list-style-type: none"> THIS PLUMBING PLAN AND COORDINATING SCHEDULE IS INTENDED TO SHOW ROUGH-IN LOCATIONS AND HEIGHTS, CONNECTION TYPES, POSITIONS, FIXTURE TYPES, AND LOAD REQUIREMENTS FOR FOODSERVICE EQUIPMENT SPECIFIED AND SCHEDULED FOR REUSE. THIS PLUMBING PLAN IS INTENDED TO SHOW PLUMBING REQUIREMENTS AND APPROXIMATE ROUGH-IN LOCATIONS ONLY. DO NOT USE FOR ACTUAL ROUGHING-IN. FOR FINAL ROUGH-IN LOCATIONS, SEE DIMENSIONED PLANS PROVIDED BY FOODSERVICE EQUIPMENT CONTRACTOR. UTILITY REQUIREMENTS INDICATED ARE TO SERVE AS A REFERENCE TO THE LICENSED PROFESSIONAL ARCHITECT AND/OR ENGINEERS IN THE PREPARATION OF THEIR RESPECTIVE BID AND CONSTRUCTION DOCUMENTS. NO ARCHITECTURAL OR ENGINEERING DESIGN SERVICES ARE INTENDED OR ASSUMED. SEE PLUMBING ENGINEER/ARCHITECT'S DRAWINGS FOR ADDITIONAL INFORMATION. PRIOR TO EQUIPMENT INSTALLATION, THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL CHECK UTILITY ROUGH-IN LOCATIONS, COORDINATE FIELD CONDITIONS, AND CALL TO THE ATTENTION OF THE GENERAL CONTRACTOR ANY DISCREPANCIES BETWEEN THE FOODSERVICE UTILITY PLANS, THE EQUIPMENT SPECIFIED, AND THE ROUGH-INS AS THEY OCCUR IN THE FIELD. SHOULD DISCREPANCIES OCCUR, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE FOODSERVICE CONSULTANT AND/OR PROJECT ARCHITECT/ENGINEER FOR THE CONFLICT TO BE CLARIFIED IN AN OFFICIAL REQUEST FOR INFORMATION. UTILITIES ARE BASED ON MANUFACTURER'S INFORMATION. ACTUAL ROUGHING-IN TO BE DETERMINED BY CODE REQUIREMENTS AND/OR MANUFACTURER'S DIRECTIONS. EXPOSED UTILITY LINES AND PIPES SHALL BE INSTALLED IN A WAY THAT DOES NOT OBSTRUCT OR PREVENT THE CLEANING OF FLOORS, WALLS, AND CEILING AREAS (2 INCHES OFF WALLS AND 6 INCHES MINIMUM OFF FLOORS). GAS COOKING EQUIPMENT SHALL BE AS AGA APPROVED AND FURNISHED BY FOODSERVICE EQUIPMENT CONTRACTOR WITH GAS PRESSURE REGULATORS DESIGNED TO OPERATE WITH 14" W.C. INCOMING GAS PRESSURE OR LESS. FOODSERVICE EQUIPMENT CONTRACTOR TO FURNISH MECHANICAL GAS SOLENOID VALVE LOOSE FOR PLUMBING CONTRACTOR TO INSTALL IN GAS SUPPLY LINE, LOCATED SO AS TO SHUT OFF GAS TO COOKING EQUIPMENT WHEN ACTIVATED. PLUMBING ENGINEER TO BE RESPONSIBLE FOR ALL CONCERNS AND ARRANGEMENTS REGARDING PENETRATIONS INTO THE FLOOR AND WALL. BUILDING OWNER TO APPROVE PRIOR TO CONSTRUCTION. PLUMBING ENGINEER TO LOCATE AREA DRAINS AS REQUIRED FOR GENERAL CLEANING OF THE FACILITY. PLUMBING COMPONENTS MUST NOT INTERFERE WITH THE OPERATION OF FOODSERVICE EQUIPMENT. WHEN APPLICABLE, PLUMBING CONTRACTOR TO INTERCONNECT DISHMACHINE WITH BOOSTER HEATER/HEAT RECLAIMER AS PER MANUFACTURER'S INSTRUCTIONS. WHERE POSSIBLE, UTILITIES SHALL BE CONCEALED WITHIN BUILDING WALLS OR COLUMN CHASES, NOT RUN ALONG WALL FACE. DO NOT STUB OUT OF FLOOR AND RUN ON THE FACE OF THE WALL. ANY AND ALL EXPOSED PIPING OR FITTINGS TO BE STAINLESS STEEL, CHROME PLATED, OR ENCLOSED IN A CONCEALED, MOUNTED STAINLESS STEEL CHASE. ALL HORIZONTAL PIPING RUNS EXTENDED TO AND CONNECTED TO EQUIPMENT ITEMS SHALL BE AT THE HIGHEST PRACTICAL ELEVATION AND NOT LESS THAN 6" ABOVE THE FINISHED FLOOR (TO PROVIDE CLEARANCE FOR CLEANING). VENT PIPES TO BE CONCEALED IN WALLS OR COLUMN CHASES. USE LOOP VENTS FOR ISLAND FIXTURES, AS ALLOWED BY LOCAL CODES. LINES ROUTED THROUGH EQUIPMENT SHALL NOT INTERFERE WITH THE INTENDED USE OF OR SERVICING OF EQUIPMENT. DRINKING FOUNTAINS ARE BY PLUMBING TRADES. VERIFY UTILITY REQUIREMENTS WITH PLUMBING ENGINEER. FLOOR DRAINS, FUNNEL FLOOR DRAINS, FLOOR SINKS, ETC. LOCATED AT FOOD PREP SINKS, POT WASHING SINKS, AND DISHMACHINES MUST HAVE REMOVABLE BASKETS TO CATCH FOOD PARTICLES. FLOOR TROUGH DRAINS MUST ALSO BE PROVIDED WITH REMOVABLE BASKETS AND TO BE INSTALLED FLUSH WITH THE FINISHED FLOOR. NO RAISED FLOOR SINKS SHALL BE INSTALLED. ALL DRAINS IN FOODSERVICE AREAS TO BE RUN THROUGH GREASE TRAP UNLESS OTHERWISE ALLOWED BY LOCAL CODE. <p>PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL THE FOLLOWING:</p> <ul style="list-style-type: none"> ALL PLUMBING WORK, LABOR, AND MATERIAL REQUIRED TO CONNECT THIS EQUIPMENT IS TO BE FURNISHED BY PLUMBING CONTRACTOR UNLESS SPECIFICALLY CALLED FOR IN FOODSERVICE DOCUMENTS. PLUMBING CONTRACTOR SHALL INCLUDE ROUGHING-IN TO POINTS INDICATED ON ROUGHING-IN PLANS, FINAL CONNECTIONS FROM ROUGH-IN POINTS TO EQUIPMENT REQUIRING THOSE CONNECTIONS, AND THE SUPPLYING OF ALL NECESSARY MATERIALS AND LABOR FOR THIS WORK EXCEPT AS HEREINAFTER NOTED. ALL WATER, WASTE AND GAS SERVICE TO POINT OF ROUGH-IN AS SHOWN ON PLAN. ROUGH-IN OUTLETS TO STUB 4" OUT OF WALLS AT HEIGHT INDICATED FROM FINISHED FLOOR TO CENTERLINE OF SERVICE LINE. FLOOR ROUGH-INS TO STUB UP 3" ABOVE FINISHED FLOOR OR CURB. ALL FLOOR OPENINGS OR PENETRATIONS TO BE SEALED WATERTIGHT. FINAL CONNECTIONS TO EQUIPMENT, INCLUDING ALL MATERIALS (STOPS, LINE STRAINERS, TAILPIECES, VALVES, FILTERS, TRAPS, CHECK VALVES, PIPING OF SUPPLY AND WASTE LINES FROM BUILDING SERVICE TO ROUGH-IN, TUBING, ETC.) REQUIRED FOR A COMPLETE INSTALLATION. PRESSURE REDUCING AND/OR REGULATING VALVES FOR DISHWASHERS, BOOSTER HEATERS, OR AS OTHERWISE NOTED IN ALL FOODSERVICE AREAS. GAS PIPING WITH INDIVIDUAL SHUT-OFF VALVES AND INTERMEDIATE REGULATORS AS REQUIRED TO REDUCE INCOMING BUILDING PRESSURE TO LEVEL SUITABLE FOR EQUIPMENT. FLOOR SINKS, COMPLETE WITH TOP GRATES AND REMOVABLE SEDIMENT BUCKETS. FIXTURES TO BE SET FLUSH WITH FINISHED FLOOR, EXCEPT AS OTHERWISE NOTED. WASTE LINES, DIRECT OR INDIRECT, EXCEPT AS OTHERWISE NOTED. MINIMUM DIAMETER OF LINE SHALL BE AS INDICATED ON PLAN REGARDLESS OF CONNECTION, AND SHALL BE PITCHED DOWNWARD. MAINTAIN DRAIN LINES AS HIGH AS POSSIBLE (MINIMUM 6" CLEAR ABOVE FINISHED FLOOR) FOR SANITATION AND CLEANING. WASTE LINES SHALL HAVE ADEQUATE CLEAN-OUT PROVISIONS PER LOCAL CODES. INDIRECT CONDENSATE DRAINLINES FOR WALK-IN COOLER/FREEZER, PITCHED 1/4" PER 12" OF HORIZONTAL RUN AND TERMINATING IN A P-TRAP OVER A FLOOR SINK. INSULATION OF ALL DRAINLINES WITHIN FREEZER COMPARTMENTS. REQUIRED GREASE INTERCEPTORS, OUTSIDE THE BUILDING WHERE POSSIBLE. INDOOR GREASE INTERCEPTORS ARE TO BE RECESSED, FLUSH WITH THE TOP OF THE FINISHED FLOOR (UNLESS SPECIFIED OTHERWISE) AND REMOVAL OF COVER SHALL NOT INTERFERE WITH THE OPERATION OF FOODSERVICE EQUIPMENT. STRICT COORDINATION WITH EQUIPMENT AND LOCAL CODES REQUIRED IF GREASE INTERCEPTOR IS TO BE SET ABOVE THE FLOOR OR UNDER EQUIPMENT. FIRE SUPPRESSION GAS SHUT-OFF VALVE (SOLENOID, EITHER MANUAL OR ELECTRIC) AS SUPPLIED BY FIRE SUPPRESSION SYSTEM CONTRACTOR. VACUUM BREAKERS AS REQUIRED BY LOCAL, STATE, AND NATIONAL CODES. INSULATION ON HOT WATER AND CONDENSATE RETURN LINES WITHIN THE FOODSERVICE AREAS. SUCH LINES ARE TO BE COLOR-CODED ACCORDING TO LOCAL CODES. CLEAN OUT VALVES FOR CONDENSATE RETURN LINES. ITEMS NOT FURNISHED AS A STANDARD PART OF THE EQUIPMENT BY THE MANUFACTURER. FAUCETS PROVIDED BY FOODSERVICE EQUIPMENT CONTRACTOR AND FURNISHED LOOSE AS STANDARD BY EQUIPMENT MANUFACTURERS ARE TO BE MOUNTED AND PLUMBED COMPLETE UNDER THE PLUMBING CONTRACT.

FOODSERVICE ELECTRICAL NOTES
<ul style="list-style-type: none"> THIS ELECTRICAL PLAN AND COORDINATING SCHEDULE IS INTENDED TO SHOW ROUGH-IN LOCATIONS AND HEIGHTS, CONNECTION TYPES, POSITIONS, FIXTURE TYPES, AND LOAD REQUIREMENTS FOR FOODSERVICE EQUIPMENT SPECIFIED AND SCHEDULED FOR REUSE. THIS ELECTRICAL PLAN IS INTENDED TO SHOW ELECTRICAL REQUIREMENTS AND APPROXIMATE ROUGH-IN LOCATIONS ONLY. DO NOT USE FOR ACTUAL ROUGHING-IN. FOR FINAL ROUGH-IN LOCATIONS, SEE DIMENSIONED PLANS PROVIDED BY FOODSERVICE EQUIPMENT CONTRACTOR. UTILITY REQUIREMENTS INDICATED ARE TO SERVE AS A REFERENCE TO THE LICENSED PROFESSIONAL ARCHITECT AND/OR ENGINEERS IN THE PREPARATION OF THEIR RESPECTIVE BID AND CONSTRUCTION DOCUMENTS. NO ARCHITECTURAL OR ENGINEERING DESIGN SERVICES ARE INTENDED OR ASSUMED. SEE ELECTRICAL ENGINEER/ARCHITECT'S DRAWINGS FOR ADDITIONAL INFORMATION. PRIOR TO EQUIPMENT INSTALLATION, THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL CHECK UTILITY ROUGH-IN LOCATIONS, COORDINATE FIELD CONDITIONS, AND CALL TO THE ATTENTION OF THE GENERAL CONTRACTOR ANY DISCREPANCIES BETWEEN THE FOODSERVICE UTILITY PLANS, THE EQUIPMENT SPECIFIED, AND THE ROUGH-INS AS THEY OCCUR IN THE FIELD. SHOULD DISCREPANCIES OCCUR, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE FOODSERVICE CONSULTANT AND/OR PROJECT ARCHITECT/ENGINEER FOR THE CONFLICT TO BE CLARIFIED IN AN OFFICIAL REQUEST FOR INFORMATION. ELECTRICAL LOADS ARE BASED ON MANUFACTURER'S INFORMATION. MINIMUM CIRCUIT AMPACITY AND OVERCURRENT PROTECTION TO BE DETERMINED BY CODE REQUIREMENTS AND/OR MANUFACTURER'S DIRECTIONS. EXPOSED UTILITY LINES AND PIPES SHALL BE INSTALLED IN A WAY THAT DOES NOT OBSTRUCT OR PREVENT THE CLEANING OF FLOORS, WALLS, AND CEILING AREAS (2 INCHES OFF WALLS AND 6 INCHES MINIMUM OFF FLOORS). ELECTRICAL ENGINEER TO BE RESPONSIBLE FOR ALL CONCERNS AND ARRANGEMENTS REGARDING PENETRATIONS INTO THE FLOOR AND WALL. BUILDING OWNER TO APPROVE PRIOR TO CONSTRUCTION. ELECTRICAL ENGINEER TO LOCATE RECEPTACLES IN STORAGE AREA AS REQUIRED BY LOCAL BUILDING CODE. ELECTRICAL COMPONENTS MUST NOT INTERFERE WITH THE OPERATION OF FOODSERVICE EQUIPMENT. IT IS THE RESPONSIBILITY OF THE ELECTRICIAN TO REVIEW THE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ALL FOODSERVICE EQUIPMENT REQUIREMENT ELECTRICAL CONNECTIONS. SOME MAY REQUIRE MULTIPLE CONNECTIONS. <p>ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL THE FOLLOWING:</p> <ul style="list-style-type: none"> ELECTRICAL ROUGH-IN ALL ELECTRICAL WORK, LABOR, AND MATERIAL REQUIRED TO CONNECT THIS EQUIPMENT IS TO BE FURNISHED BY ELECTRICAL CONTRACTOR UNLESS SPECIFICALLY CALLED FOR IN FOODSERVICE DOCUMENTS. ELECTRICAL CONTRACTOR SHALL INCLUDE ROUGHING-IN TO POINTS INDICATED ON ROUGHING-IN PLANS, FINAL CONNECTIONS FROM ROUGH-IN POINTS TO EQUIPMENT REQUIRING THOSE CONNECTIONS, AND THE SUPPLYING OF ALL NECESSARY MATERIALS AND LABOR FOR THIS WORK EXCEPT AS HEREINAFTER NOTED. ELECTRICAL BUILDING SERVICES INCLUDING BUT NOT LIMITED TO CONDUIT, WIRING, LINE AND DISCONNECT SWITCHES, SAFETY CUTOFFS AND FITTINGS, CONTROL PANELS, FUSES, BOXES AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION (EXCEPT INTERNAL WIRING AS SPECIFIED OR INDICATED OTHERWISE ON DRAWINGS). FINAL ELECTRICAL CONNECTIONS TO EQUIPMENT SHALL BE BY THE ELECTRICAL CONTRACTOR, INCLUDING ALL REQUIRED MATERIALS (SUCH AS LINE AND DISCONNECT SWITCHES, SAFETY CUTOFFS, CONTROL PANELS, FUSE BOXES OR OTHER ELECTRICAL CONTROLS, FITTINGS, CONDUITS AND CONNECTIONS). ITEMS NOT FURNISHED AS A STANDARD PART OF THE EQUIPMENT BY THE MANUFACTURER ARE TO BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. STARTING SWITCHES PROVIDED BY FOODSERVICE EQUIPMENT CONTRACTOR AND FURNISHED LOOSE AS A STANDARD BY THE EQUIPMENT MANUFACTURER ARE TO BE MOUNTED AND WIRED COMPLETE UNDER THE ELECTRICAL CONTRACT. FINAL CONNECTIONS, INCLUDING MOUNTING AND WIRING OF STARTERS AND SWITCHES FURNISHED AS PART OF THE FOODSERVICE EQUIPMENT (UNLESS OTHERWISE INDICATED ON DRAWINGS). JUNCTION BOXES, ELECTRICAL OUTLETS, COVER PLATES, SWITCHES, ETC. NOT BUILT INTO FIXTURES OR EQUIPMENT. ALL RECEPTACLES, COVER PLATES, ETC. IN FOODSERVICE AREAS SHALL BE MOISTURE PROOF. ELECTRICIAN TO PROVIDE BRUSHED STAINLESS STEEL COVER PLATES AT ALL SERVICE AND CONVENIENCE OUTLETS. PLUGS AND CORDS THAT ARE NEMA RATED AND UL APPROVED FOR MANUFACTURER AND FABRICATED EQUIPMENT. SHUNT-TRIP CIRCUIT BREAKERS OR DISCONNECTS FOR FIRE SUPPRESSION SYSTEM SHUT-OFF FOR EQUIPMENT BENEATH VENTILATORS AS REQUIRED BY NFPA-96 AND LOCAL, STATE, AND NATIONAL CODES. GFRC RECEPTACLES AS REQUIRED BY LOCAL, STATE, AND NATIONAL CODES. DISCONNECTS OR OTHER DEVICES AS MAY BE REQUIRED BY LOCAL, STATE, AND NATIONAL CODES. ELECTRICIAN TO PROVIDE "TOMB STONE" STYLE HIGH IMPACT POLYCARBONATE OUTLET COVER WITH HINGED BASE AND WATER PROOF GASKET AT +2" AFF. PROVIDE TYPE OF OUTLET AS SHOWN ON PLAN. UNIT SHALL HAVE A MINIMUM OF TWO 3/4" CONDUITS ENTER THROUGH THE BOTTOM OF EACH BOX. ALIGN CONDUITS PARALLEL WITH TABLE OR CABINET. <p>WHEN APPLICABLE, THE ELECTRICAL CONTRACTOR SHALL PROVIDE CIRCUIT AND WIRING, INSTALL ELECTRICAL COMPONENTS (PROVIDED BY THE FOODSERVICE EQUIPMENT CONTRACTOR), AND INTERWIRE BETWEEN THE FOLLOWING:</p> <ul style="list-style-type: none"> EXHAUST HOODS FURNISHED BY MECHANICAL EQUIPMENT CONTRACTOR WITH LIGHT FIXTURES, EMPTY CONDUIT TO JUNCTION BOX, AND PRE-WIRE PACKAGE. ELECTRICAL CONTRACTOR TO INTERCONNECT TO SWITCHES AND MAKE ALL FINAL CONNECTIONS. FIRE SUPPRESSION SYSTEM FURNISHED BY MECHANICAL EQUIPMENT CONTRACTOR WITH APPLIANCE SHUT-OFF FEATURE. ELECTRICAL CONTRACTOR TO INTERCONNECT TO SHUNT TRIPS PER MANUFACTURER'S DIAGRAM SO AS TO SHUT OFF ALL EQUIPMENT UNDER HOODS WITH ACTIVATED. POWER TO ALL ELECTRICALLY OPERATED COOKING EQUIPMENT UNDER HOODS TO BE FROM PANEL WHERE MAIN BREAKER IS INTERWIRED WITH THE FIRE SUPPRESSION SYSTEM AND/OR FIRE TERMINAL BLOCK IN THE UTILITY DISTRIBUTION SYSTEM SO THAT THE POWER SHUT-OFF IS ACHIEVED UPON EITHER MANUAL OR AUTOMATIC OPERATION OF THE FIRE SUPPRESSION SYSTEM. ALL INTERWIRING BY ELECTRICAL CONTRACTOR. HOOD CONTROLS AND FIRE SUPPRESSION SYSTEMS EACH REQUIRE 24-HOUR EMERGENCY ELECTRICAL SERVICE. ELECTRICAL CONTRACTOR TO PROVIDE CIRCUITS ON ROOF FOR EXHAUST/SUPPLY FANS. VERIFY UTILITIES REQUIRED WITH MECHANICAL CONTRACTOR AND LOCATION OF UNITS WITH GENERAL CONTRACTOR. FINAL CONNECTIONS BY ELECTRICAL CONTRACTOR. DISHMACHINE SHALL BE FURNISHED BY FOODSERVICE EQUIPMENT CONTRACTOR PRE-WIRED TO INTEGRAL CONTROL PANEL AND READY FOR FINAL CONNECTION BY ELECTRICAL CONTRACTOR. DISHMACHINE SHALL BE FURNISHED WITH EXHAUST FAN CONTROL SWITCH BY MECHANICAL EQUIPMENT CONTRACTOR. ELECTRICAL CONTRACTOR TO INTERCONNECT TO EXHAUST FAN SO THAT FAN OPERATES WHEN DISHMACHINE IS TURNED ON. COLD STORAGE ROOMS SHALL BE FURNISHED BY FOODSERVICE EQUIPMENT CONTRACTOR WITH PRE-WIRED LIGHT AND SWITCH AT DOOR PANEL. ELECTRICAL CONTRACTOR TO PROVIDE INTERCONNECTING WIRING TO EXTRA LIGHT FIXTURES AND MAKE FINAL CONNECTIONS. REFRIGERATION SYSTEMS SHALL BE FURNISHED AND INSTALLED BY FOODSERVICE EQUIPMENT CONTRACTOR. DEFROST CONTROL WIRING BETWEEN FREEZER CONDENSING UNIT AND EVAPORATOR COIL SHALL BE BY ELECTRICAL CONTRACTOR. FINAL ELECTRICAL DROPS AND DISCONNECTS FOR CONDENSING UNITS AND EVAPORATOR COILS SHALL BE FURNISHED BY ELECTRICAL CONTRACTOR. AIR CURTAIN FAN TO BE FURNISHED BY FOODSERVICE EQUIPMENT CONTRACTOR WITH DOOR SWITCH. ELECTRICAL CONTRACTOR TO PROVIDE MASTER SWITCH, INTERWIRE DOOR SWITCH, AND MAKE FINAL CONNECTIONS.

FOODSERVICE VENTILATION NOTES
<p>THE EXHAUST HOOD, FIRE SYSTEM AND CONDENSATE HOOD FOR THE FOODSERVICE EQUIPMENT IS BEING PROVIDED BY THE MECHANICAL CONTRACTOR. REFER TO ANY AND ALL SHEETS OF THE RESPECTIVE TRADES FOR RELATIVE INFORMATION REQUIRED.</p>

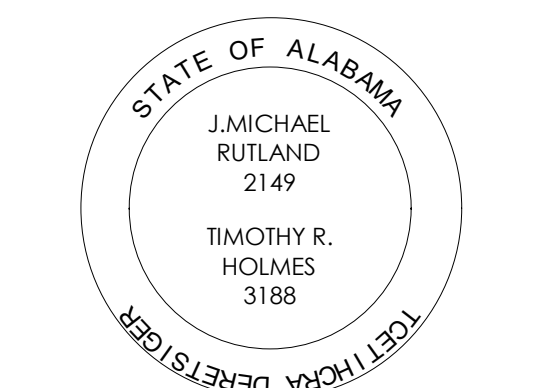
FOODSERVICE SPECIAL CONDITIONS NOTES
<ul style="list-style-type: none"> THIS SPECIAL CONDITIONS PLAN AND COORDINATING INFORMATION IS INTENDED TO HIGHLIGHT ARCHITECTURAL REQUIREMENTS FOR THE KITCHEN, THE FOODSERVICE EQUIPMENT SPECIFIED, AND THE EQUIPMENT SCHEDULED FOR REUSE. THIS SPECIAL CONDITIONS PLAN IS INTENDED TO SHOW ARCHITECTURAL REQUIREMENTS AND APPROXIMATE LOCATIONS ONLY. SPECIAL REQUIREMENTS INDICATED ARE TO SERVE AS A REFERENCE TO THE LICENSED PROFESSIONAL ARCHITECT AND/OR ENGINEERS IN THE PREPARATION OF THEIR RESPECTIVE BID AND CONSTRUCTION DOCUMENTS. NO ARCHITECTURAL OR ENGINEERING DESIGN SERVICES ARE INTENDED OR ASSUMED. SEE ARCHITECT'S DRAWINGS FOR ADDITIONAL INFORMATION. PRIOR TO EQUIPMENT INSTALLATION, THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL COORDINATE FIELD CONDITIONS, AND CALL TO THE ATTENTION OF THE GENERAL CONTRACTOR ANY DISCREPANCIES BETWEEN THE FOODSERVICE PLANS, THE EQUIPMENT SPECIFIED, AND THE ROUGH-INS AS THEY OCCUR IN THE FIELD. SHOULD DISCREPANCIES OCCUR, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE FOODSERVICE CONSULTANT AND/OR PROJECT ARCHITECT/ENGINEER FOR THE CONFLICT TO BE CLARIFIED IN AN OFFICIAL REQUEST FOR INFORMATION.

FOODSERVICE SHEET LIST	
SHEET NO.	SHEET NAME
QF0.0	FOODSERVICE GENERAL NOTES
QF1.0	FOODSERVICE EQUIPMENT PLAN - OVERALL
QF1.1	FOODSERVICE EQUIPMENT PLAN
QF1.2	FOODSERVICE EQUIPMENT SCHEDULE
QF2.1	FOODSERVICE EQUIPMENT ELEVATIONS & KEY SYMBOL PLAN
QF3.1	FOODSERVICE EQUIPMENT PLUMBING SUPPLY & DRAIN PLAN
QF4.1	FOODSERVICE ELECTRICAL PLAN
QF5.1	FOODSERVICE EQUIP. SLAB PENETRATION & SPECIAL CONDITIONS PLAN
QF6.1	FOODSERVICE WALK-IN VENDOR DETAILS
QF7.1	FOODSERVICE EQUIPMENT STANDARD DETAILS

ABBREVIATIONS			
AFD	AREA FLOOR DRAIN	FS	FLOOR SINK
AFF	ABOVE FINISHED FLOOR	FW	FILTERED WATER
BTC	BRANCH TO CONNECTION	GPH	GALLONS PER HOUR
BTD	BRANCH TO DRAIN	HW	HOT WATER
CONV	CONVENIENCE OUTLET	IW	INDIRECT WASTE
CONN.	CONNECTION	NO.	NUMBER
CW	COLD WATER	OC	OUT OF CEILING
CWR	CHILLED WATER RETURN	OF	OUT OF FLOOR
CWS	CHILLED WATER SUPPLY	OR	OUT OF ROOF
DIA.	DIAMETER	OW	OUT OF WALL
DW	DIRECT WASTE	QTY	QUANTITY
ELEC.	ELECTRICAL	S.P.	STATIC PRESSURE
FFD	FUNNEL FLOOR DRAIN	TEMP.	TEMPERATURE

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**CHOCTAW COUNTY JAIL
BUTLER,
ALABAMA**

CONSTRUCTION DOCUMENTS

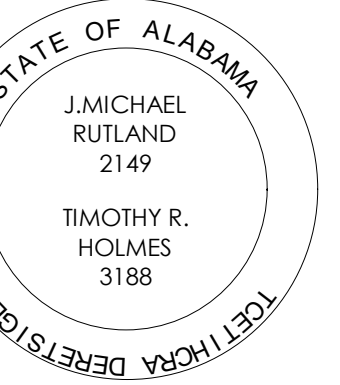
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Revisions:

Sheet Description

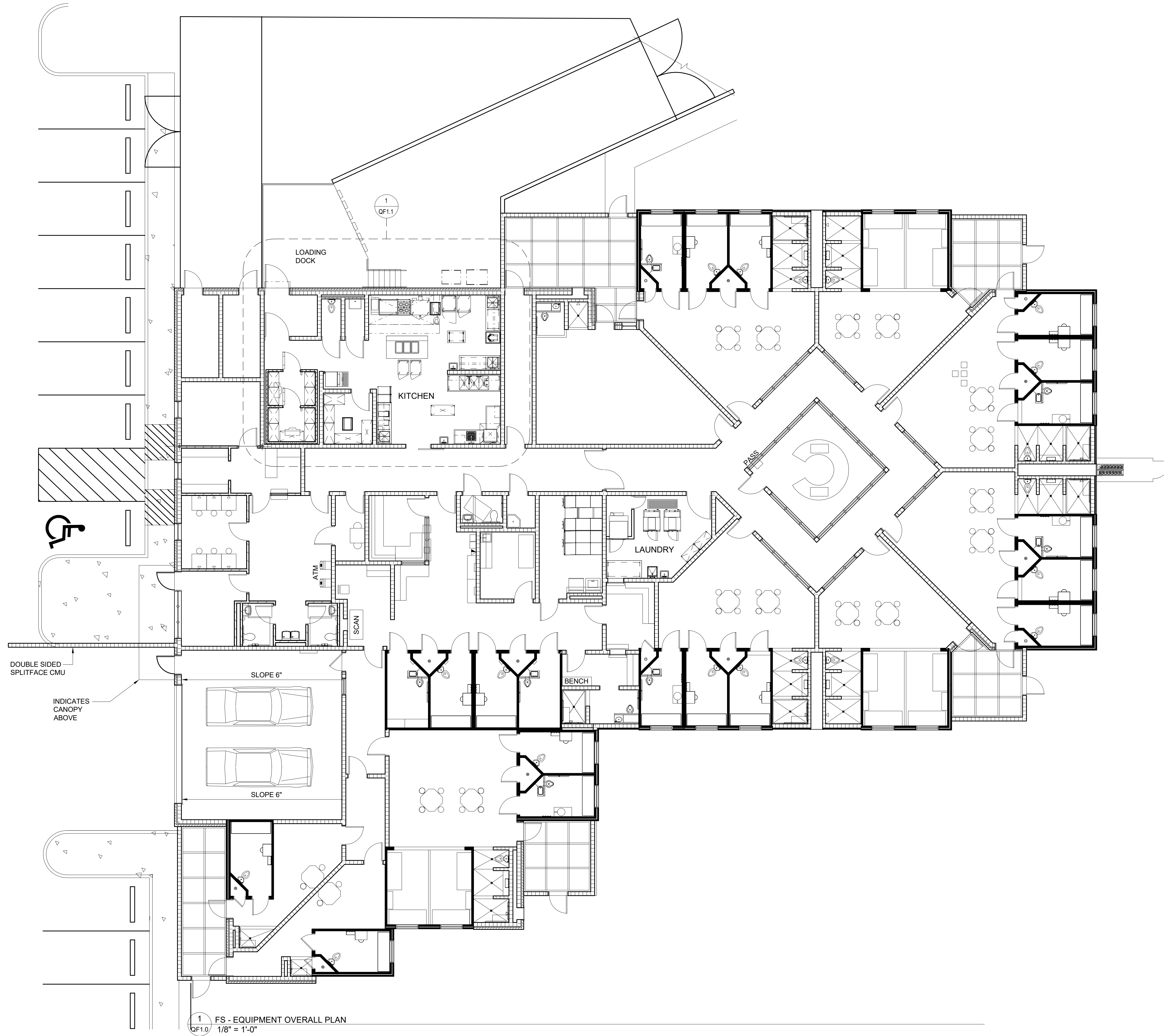
FOODSERVICE GENERAL NOTES

Sheet Number

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CHOCTAW
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BUTLER,
ALABAMA



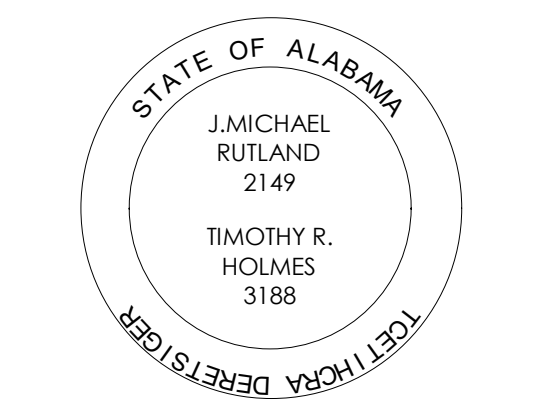
CONSTRUCTION
DOCUMENTS

Project Number: 22-1189
Date: 05-30-2024
Revisions:

Sheet Description
**FOODSERVICE
EQUIPMENT
PLAN -
OVERALL**

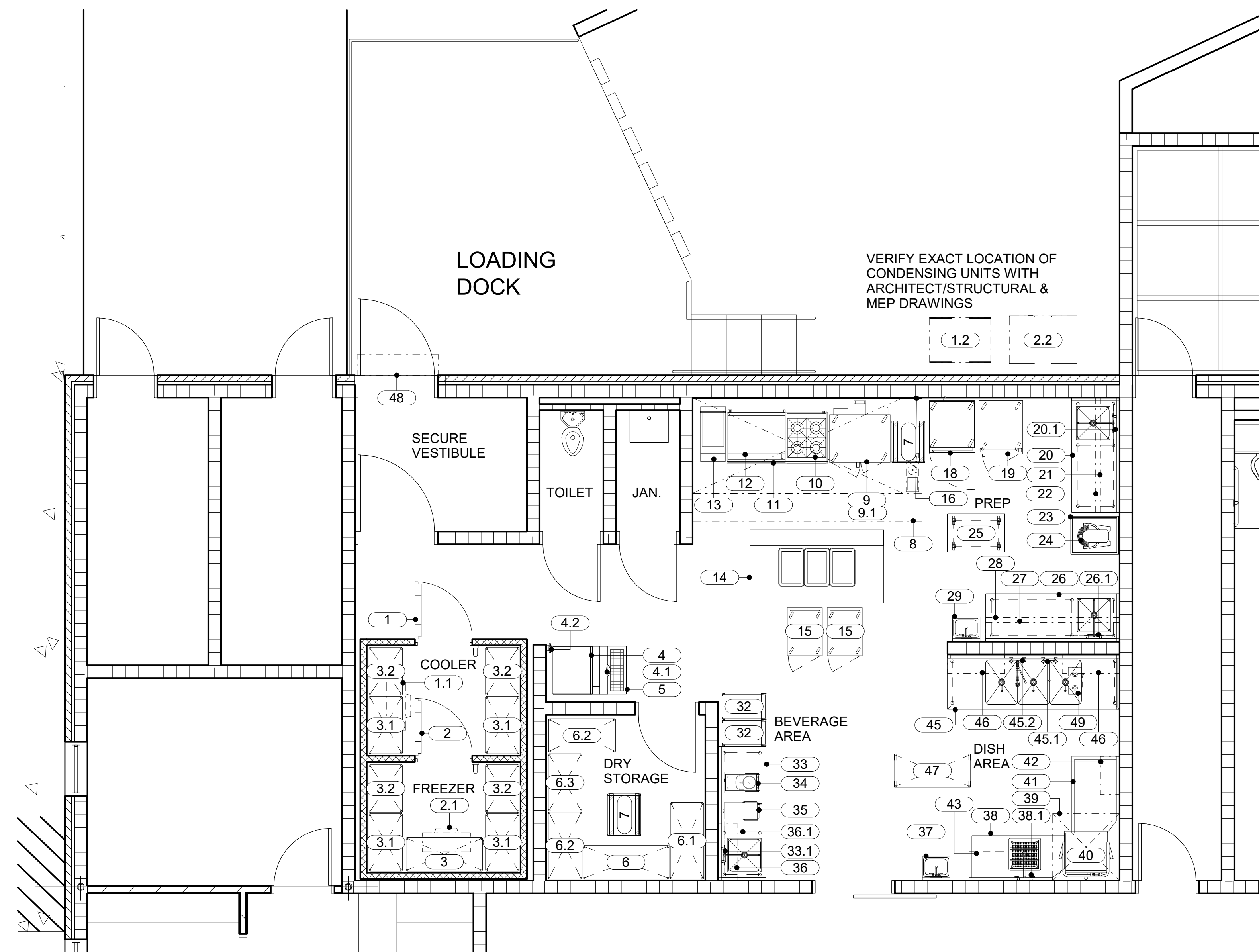
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CHOCTAW COUNTY JAIL BUTLER, ALABAMA

FOODSERVICE EQUIPMENT LIST					
ITEM NO	QTY	DESCRIPTION	MANUFACTURER	MODEL	EQUIPMENT REMARKS
1	1	WALK-IN COOLER	BALLY	WIC	
1.1	1	COOLER EVAPORATOR COIL	BALLY	BLP107MA-S LD-SV	
1.2	1	COOLER CONDENSING UNIT	BALLY	BEHA-006-M8-HS2D	
2	1	WALK-IN FREEZER	BALLY	WIF	
2.1	1	FREEZER EVAPORATOR COIL	BALLY	BLP207LE-S2D SV	
2.2	1	FREEZER CONDENSING UNIT	BALLY	BEZA 020 L8 HS2DB	
3	1	COLD STORAGE SHELVING	QUANTUM	2148P	4-TIER, 74" POST
3.1	4	COLD STORAGE SHELVING	QUANTUM	2136P	4-TIER, 74" POST
3.2	4	COLD STORAGE SHELVING	QUANTUM	2130P	4-TIER, 74" POST
4	1	ICE MACHINE	ICETRO	IM-0550-AH	
4.1	1	ICE BIN	ICETRO	IB-044	
4.2	1	WATER FILTER	ICETRO	ICEPRO 800	
5	1	FLOOR TROUGH	FABRICATED	FT	
6	1	DRY STORAGE SHELVING	QUANTUM	2154P	5-TIER, 86" POST
6.1	1	DRY STORAGE SHELVING	QUANTUM	2148P	5-TIER, 86" POST
6.2	2	DRY STORAGE SHELVING	QUANTUM	2142P	5-TIER, 86" POST
6.3	1	DRY STORAGE SHELVING	QUANTUM	2136P	5-TIER, 86" POST
7	2	UNIVERSAL PAN RACK	CHOICE EQUIPMENT	PR20-A-1820	
8	1	EXHAUST HOOD W/FIRE SYSTEM	BY MECHANICAL		
9	1	CONVECTION OVEN - TOP OVEN	SOUTHBEND	SLGS/22SC	
9.1	1	CONVECTION OVEN - BOTTOM OVEN			
10	1	4 BURNER HOTPLATE	SOUTHBEND	HDO-24	
11	1	EQUIPMENT STAND	ATLANTA CUSTOM FABRICATORS	EQS	
12	1	GRIDDLE	SOUTHBEND	HGD-36	
13	1	FRYER	PITCO	SSH55	
14	1	TRAY MAKE-UP TABLE	ATLANTA CUSTOM FABRICATORS	TMT1	
15	2	INSULATED TRAY TRANSPORT CART	PIPER PRODUCTS	AD-20	
16	1	STAINLESS STEEL WALL PANEL - COOK LINE	ATLANTA CUSTOM FABRICATORS	SSWP-CL	
17	1	SPARE NUMBER			
18	1	MOBILE HEATED CABINET	CRES COR	H137UA12	CASTERS, CORNER BUMPERS
19	1	REACH-IN REFRIGERATOR	TRUE	STA1R-1S-HC	
20	1	1 COMPARTMENT SINK PREP TABLE	ATLANTA CUSTOM FABRICATORS	1CSPT	
20.1	1	FAUCET	T&S BRASS	B-0231-CR	
21	1	WALL MOUNTED OVERSHELF	ATLANTA CUSTOM FABRICATORS	WMO	
22	1	WALL MOUNTED OVERSHELF	ATLANTA CUSTOM FABRICATORS	WMO	
23	1	MOBILE MIXER STAND	ATLANTA CUSTOM FABRICATORS	MMS	CASTERS
24	1	20 QT MIXER	GLOBE	SP20	
25	1	MOBILE WORK TABLE	ATLANTA CUSTOM FABRICATORS	MWT	
26	1	1 COMPARTMENT SINK PREP TABLE	ATLANTA CUSTOM FABRICATORS	1CSPT	
26.1	1	FAUCET	T&S BRASS	B-0231-CR	
27	1	WALL MOUNTED OVERSHELF	ATLANTA CUSTOM FABRICATORS	WMO	
28	1	WALL MOUNTED OVERSHELF	ATLANTA CUSTOM FABRICATORS	WMO	
29	1	HAND SINK	ADVANCE TABCO	7-PS-66	
30	1	SPARE NUMBER			
31	1	SPARE NUMBER			
32	2	UTILITY CART	LAKESIDE	311	
33	1	1 COMPARTMENT SINK BEVERAGE TABLE	ATLANTA CUSTOM FABRICATORS	1CSBT	
33.1	1	FAUCET	T&S BRASS	B-0231-CR	
34	1	TEA BREWER	BY PRODUCT SUPPLIER		WATER FILTER
35	1	COFFEE BREWER	BY PRODUCT SUPPLIER		WATER FILTER
36	1	WALL MOUNTED OVERSHELF	ATLANTA CUSTOM FABRICATORS	WMO	
36.1	1	WALL MOUNTED OVERSHELF	ATLANTA CUSTOM FABRICATORS	WMO	
37	1	HAND SINK	ADVANCE TABCO	7-PS-66	
38	1	SOILED DISHTABLE	ATLANTA CUSTOM FABRICATORS	SDT	
38.1	1	PRE-RINSE FAUCET	T&S BRASS	B-0133	
39	1	CONDENSATE HOOD	BY MECHANICAL		
40	1	DISH MACHINE	CHAMPION	DH6000	
41	1	CLEAN DISHTABLE	ATLANTA CUSTOM FABRICATORS	CDT	
42	1	WALL MOUNTED OVERSHELF	ATLANTA CUSTOM FABRICATORS	WMO	
43	1	WALL MOUNTED SLANTED RACK SHELF	ATLANTA CUSTOM FABRICATORS	WMSRS	
44	1	SPARE NUMBER			
45	1	3-COMPARTMENT SINK	ATLANTA CUSTOM FABRICATORS	3CSST	
45.1	1	FAUCET	T&S BRASS	B-0290	
45.2	1	PRE-RINSE W/FAUCET	T&S BRASS	B-0287-427-BC	
46	2	WALL MOUNTED OVERSHELF	ATLANTA CUSTOM FABRICATORS	WMO	
47	1	POT STORAGE SHELVING	QUANTUM	2148P	4-TIER, 74" POST, CASTERS
48	1	AIR CURTAIN	BERNER	SHD07-1048A	SWITCH AT DOOR
49	1	SINK HEATER	HATCO CORPORATION	3CS-9B	
CO1	2	CONVENIENCE OUTLET			
CO2	2	CONVENIENCE OUTLET			



1 FS - EQUIPMENT PLAN
QF1.1 1/4" = 1'-0"

REMOTE REFRIGERATION CONDENSING UNITS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. ACTUAL LOCATION TO BE COORDINATED WITH ARCHITECTURAL PLANS AND BUILDING STRUCTURE, IN KEEPING WITH ALL REQUIREMENTS OF THE SPECIFICATIONS.



CONSTRUCTION DOCUMENTS

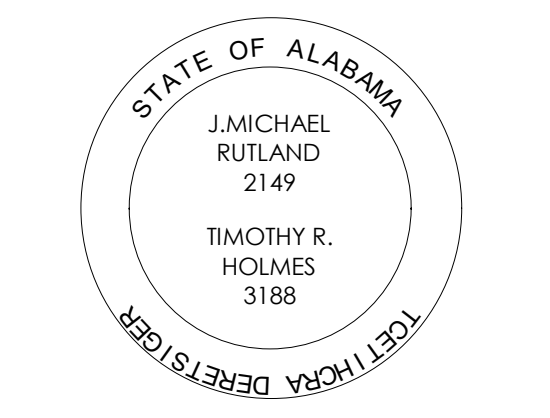
Project Number: 22-1189
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Revisions:

Sheet Description

FOODSERVICE EQUIPMENT PLAN

Sheet Number

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**CHOCTAW
COUNTY JAIL
BUTLER,
ALABAMA**



**CONSTRUCTION
DOCUMENTS**

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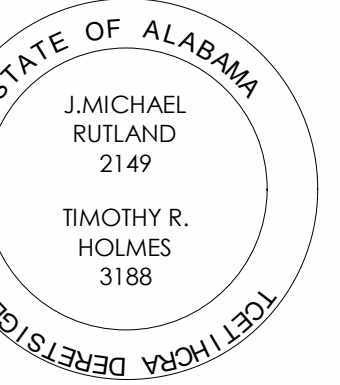
**FOODSERVICE
EQUIPMENT
SCHEDULE**

Sheet Number

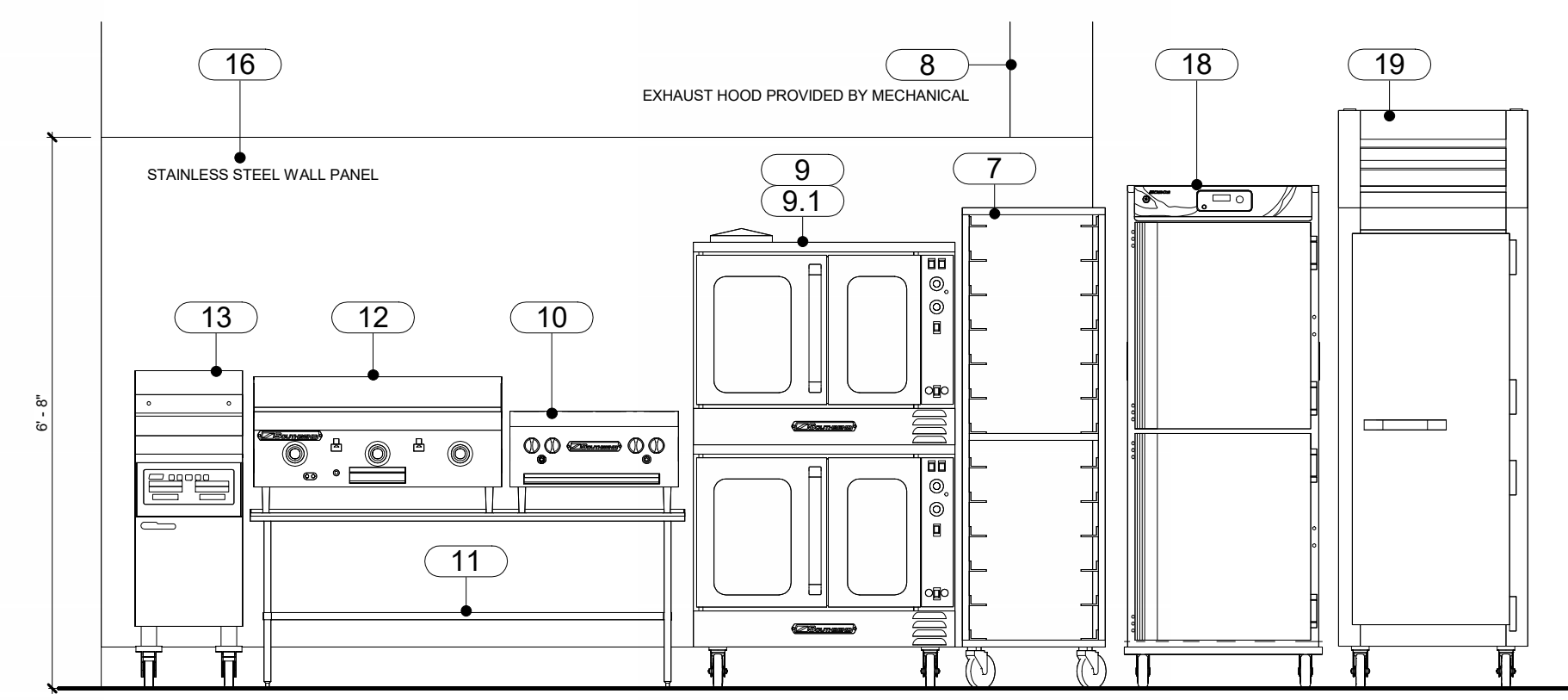
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FOODSERVICE EQUIPMENT SCHEDULE																		
ITEM NO	QTY	DESCRIPTION	MANUFACTURER	MODEL	AMPS	HP	VOLTS	PHASE	CONN. TYPE	NEMA	CW SIZE	FW SIZE	HW SIZE	DW SIZE	IW SIZE	GAS SIZE	GAS MBTU/H	ITEM NO
1	1	WALK-IN COOLER	BALLY	WIC	15		120	1	DIRECT									1
1.1	1	COOLER EVAPORATOR COIL	BALLY	BLP107MA-S LD-SV	1		120	1	DIRECT						3/4"			1.1
1.2	1	COOLER CONDENSING UNIT	BALLY	BEHA-006-M8-HS2D	5.4		208	1	DIRECT									1.2
2	1	WALK-IN FREEZER	BALLY	WIF	15		120	1	DIRECT									2
2.1	1	FREEZER EVAPORATOR COIL	BALLY	BLP207LE-S2D SV	1.2		208	1	DIRECT						3/4"			2.1
2.2	1	FREEZER CONDENSING UNIT	BALLY	BEZA 020 L8 HS2DB	14.9		208	1	DIRECT									2.2
3	1	COLD STORAGE SHELVING	QUANTUM	2148P														3
3.1	4	COLD STORAGE SHELVING	QUANTUM	2136P														3.1
3.2	4	COLD STORAGE SHELVING	QUANTUM	2130P														3.2
4	1	ICE MACHINE	ICETRO	IM-0550-AH	20		115	1	CORD & PLUG	5-15P		3/8"			3/4"			4
4.1	1	ICE BIN	ICETRO	IB-044											3/4"			4.1
4.2	1	WATER FILTER	ICETRO	ICEPRO 800							3/8"							4.2
5	1	FLOOR TROUGH	FABRICATED	FT										4"				5
6	1	DRY STORAGE SHELVING	QUANTUM	2154P														6
6.1	1	DRY STORAGE SHELVING	QUANTUM	2148P														6.1
6.2	2	DRY STORAGE SHELVING	QUANTUM	2142P														6.2
6.3	1	DRY STORAGE SHELVING	QUANTUM	2136P														6.3
7	2	UNIVERSAL PAN RACK	CHOICE EQUIPMENT	PR20-A-1820														7
8	1	EXHAUST HOOD W/FIRE SYSTEM	BY MECHANICAL		20		120	1	DIRECT									8
9	1	CONVECTION OVEN - TOP OVEN	SOUTHBEND	SLGS/22SC	7.9		120	1	CORD & PLUG	5-15P						3/4"	140	9
9.1	1	CONVECTION OVEN - BOTTOM OVEN			7.9		120	1	CORD & PLUG	5-15P								9.1
10	1	4 BURNER HOTPLATE	SOUTHBEND	HDO-24														10
11	1	EQUIPMENT STAND	ATLANTA CUSTOM FABRICATORS	EQS														11
12	1	GRIDDLE	SOUTHBEND	HDG-36														12
13	1	FRYER	PITCO	SSH55	0.7		115	1	CORD & PLUG	5-15P						3/4"	90	13
14	1	TRAY MAKE-UP TABLE	ATLANTA CUSTOM FABRICATORS	TMT1	20		208	1	CORD & PLUG	6-20P								14
15	2	INSULATED TRAY TRANSPORT CART	PIPER PRODUCTS	AD-20														15
16	1	STAINLESS STEEL WALL PANEL - COOK LINE	ATLANTA CUSTOM FABRICATORS	SSWP-CL														16
17	1	SPARE NUMBER																17
18	1	MOBILE HEATED CABINET	CRES COR	H137UA12	12		120	1	CORD & PLUG	5-15P								18
19	1	REACH-IN REFRIGERATOR	TRUE	STA1R-1S-HC	3.8		120	1	CORD & PLUG	5-15P								19
20	1	1 COMPARTMENT SINK PREP TABLE	ATLANTA CUSTOM FABRICATORS	1CSPT											1 1/2"			20
20.1	1	FAUCET	T&S BRASS	B-0231-CR							1/2"		1/2"					20.1
21	1	WALL MOUNTED OVERSHELF	ATLANTA CUSTOM FABRICATORS	WMO														21
22	1	WALL MOUNTED OVERSHELF	ATLANTA CUSTOM FABRICATORS	WMO														22
23	1	MOBILE MIXER STAND	ATLANTA CUSTOM FABRICATORS	MMS														23
24	1	20 QT MIXER	GLOBE	SP20	6	1/2	115	1	CORD & PLUG	5-15P								24
25	1	MOBILE WORK TABLE	ATLANTA CUSTOM FABRICATORS	MWT														25
26	1	1 COMPARTMENT SINK PREP TABLE	ATLANTA CUSTOM FABRICATORS	1CSPT											1 1/2"			26
26.1	1	FAUCET	T&S BRASS	B-0231-CR							1/2"		1/2"					26.1
27	1	WALL MOUNTED OVERSHELF	ATLANTA CUSTOM FABRICATORS	WMO														27
28	1	WALL MOUNTED OVERSHELF	ATLANTA CUSTOM FABRICATORS	WMO														28
29	1	HAND SINK	ADVANCE TABCO	7-PS-66							1/2"		1/2"		1 1/2"			29
30	1	SPARE NUMBER																30
31	1	SPARE NUMBER																31
32	2	UTILITY CART	LAKESIDE	311														32
33	1	1 COMPARTMENT SINK BEVERAGE TABLE	ATLANTA CUSTOM FABRICATORS	1CSBT											1 1/2"			33
33.1	1	FAUCET	T&S BRASS	B-0231-CR							1/2"		1/2"					33.1
34	1	TEA BREWER	BY PRODUCT SUPPLIER		14		120	1	CORD & PLUG	5-15P	1/4"							34
35	1	COFFEE BREWER	BY PRODUCT SUPPLIER		14		120 / 208	1	DIRECT		3/8"							35
36	1	WALL MOUNTED OVERSHELF	ATLANTA CUSTOM FABRICATORS	WMO														36
36.1	1	WALL MOUNTED OVERSHELF	ATLANTA CUSTOM FABRICATORS	WMO														36.1
37	1	HAND SINK	ADVANCE TABCO	7-PS-66							1/2"		1/2"		1 1/2"			37
38	1	SOILED DISHTABLE	ATLANTA CUSTOM FABRICATORS	SDT											1 1/2"			38
38.1	1	PRE-RINSE FAUCET	T&S BRASS	B-0133							1/2"		1/2"					38.1
39	1	CONDENSATE HOOD	BY MECHANICAL															39
40	1	DISH MACHINE	CHAMPION	DH6000	46		208	3	DIRECT		1/2"		3/4"		1 1/2"			40
41	1	CLEAN DISHTABLE	ATLANTA CUSTOM FABRICATORS	CDT														41
42	1	WALL MOUNTED OVERSHELF	ATLANTA CUSTOM FABRICATORS	WMO														42
43	1	WALL MOUNTED SLANTED RACK SHELF	ATLANTA CUSTOM FABRICATORS	WMSRS														43
44	1	SPARE NUMBER																44
45	1	3-COMPARTMENT SINK	ATLANTA CUSTOM FABRICATORS	3CSST											1 1/2"			45
45.1	1	FAUCET	T&S BRASS	B-0290							3/4"		3/4"					45.1
45.2	1	PRE-RINSE W/FAUCET	T&S BRASS	B-0287-427-BC							3/4"		3/4"					45.2
46	2	WALL MOUNTED OVERSHELF	ATLANTA CUSTOM FABRICATORS	WMO														46
47	1	POT STORAGE SHELVING	QUANTUM	2148P														47
48	1	AIR CURTAIN	BERNER	SHD07-1048A	7.5		120	1	DIRECT									48
49	1	SINK HEATER	HATCO CORPORATION	3CS-9B	25		208	3	DIRECT									49
CO1	2	CONVENIENCE OUTLET			16		120	1	CORD & PLUG	5-20P								CO1
CO2	2	CONVENIENCE OUTLET			16		120	1	CORD & PLUG	5-20P								CO2

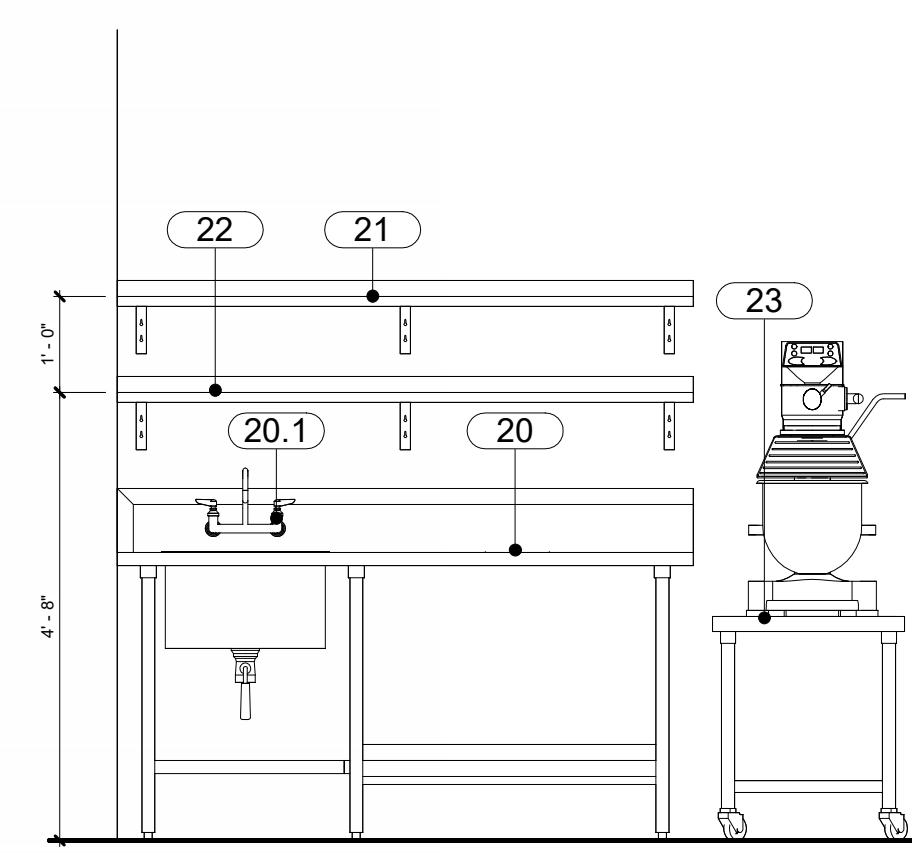
ABBREVIATIONS			
AFD	AREA FLOOR DRAIN	FS	FLOOR SINK
AFF	ABOVE FINISHED FLOOR	FW	FILTERED WATER
BTC	BRANCH TO CONNECTION	GPH	GALLONS PER HOUR
BTD	BRANCH TO DRAIN	HW	HOT WATER
CONV	CONVENIENCE OUTLET	IW	INDIRECT WASTE
CONN.	CONNECTION	NO.	NUMBER
CW	COLD WATER	OC	OUT OF CEILING
CWR	CHILLED WATER RETURN	OF	OUT OF FLOOR
CWS	CHILLED WATER SUPPLY	OR	OUT OF ROOF
DIA.	DIAMETER	OW	OUT OF WALL
DW	DIRECT WASTE	QTY	QUANTITY
ELEC.	ELECTRICAL	S.P.	STATIC PRESSURE
FFD	FUNNEL FLOOR DRAIN	TEMP.	TEMPERATURE



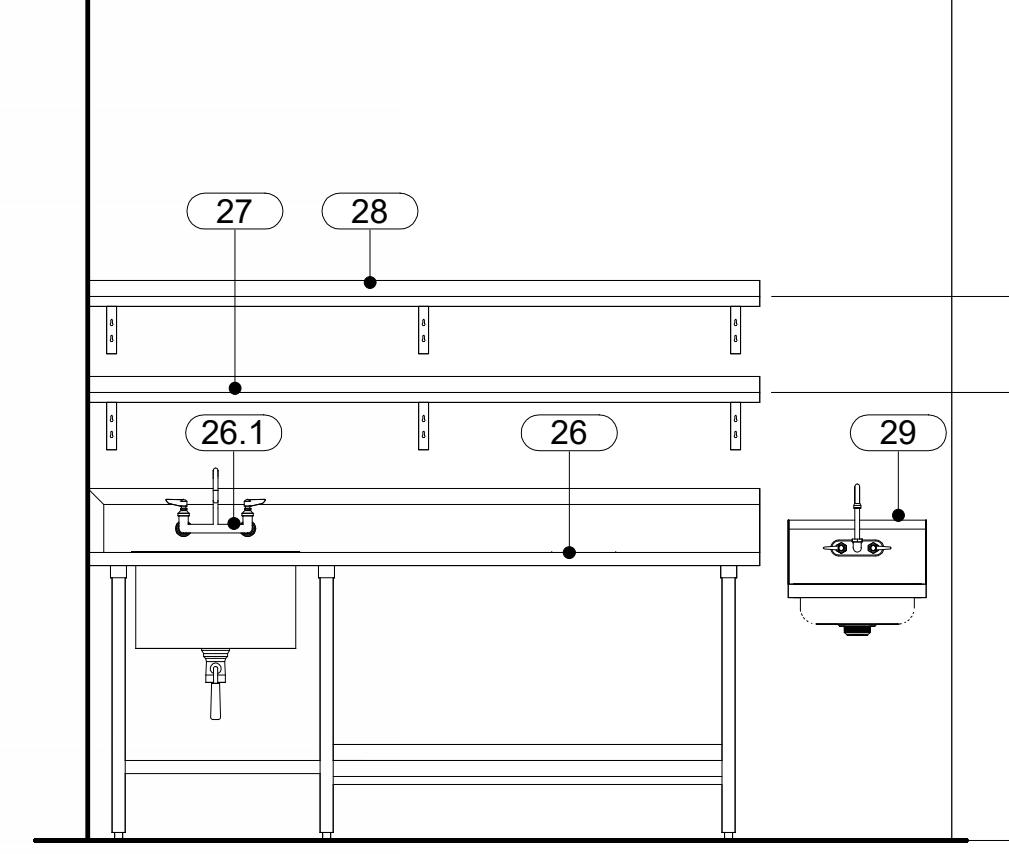
CHOCTAW COUNTY JAIL
BUTLER,
ALABAMA



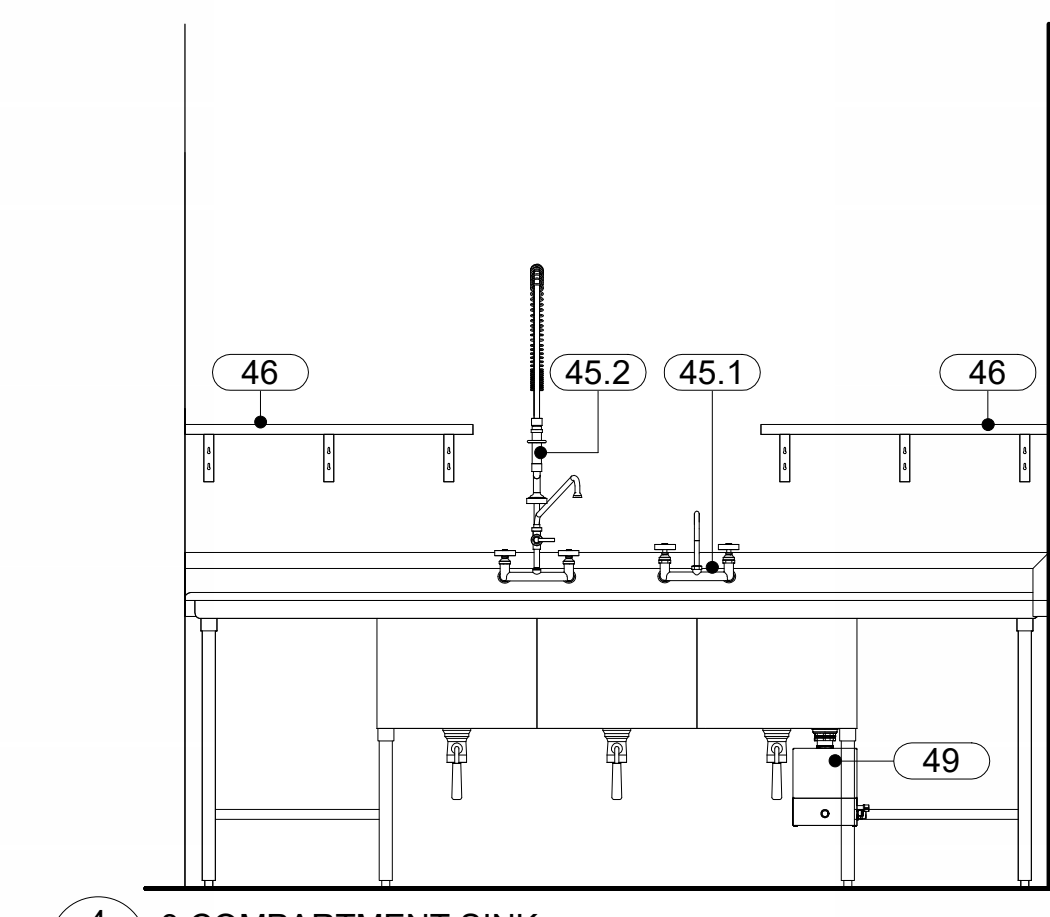
1 COOKING LINE
QF2.1 1/2" = 1'-0"



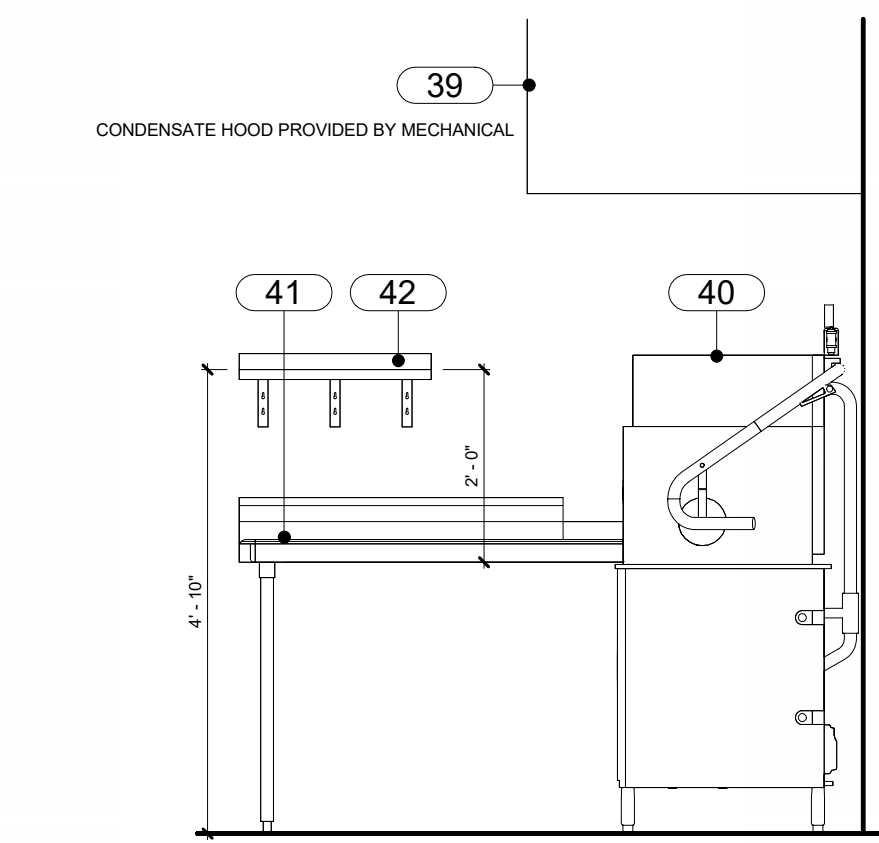
2 BAKERY PREP AREA
QF2.1 1/2" = 1'-0"



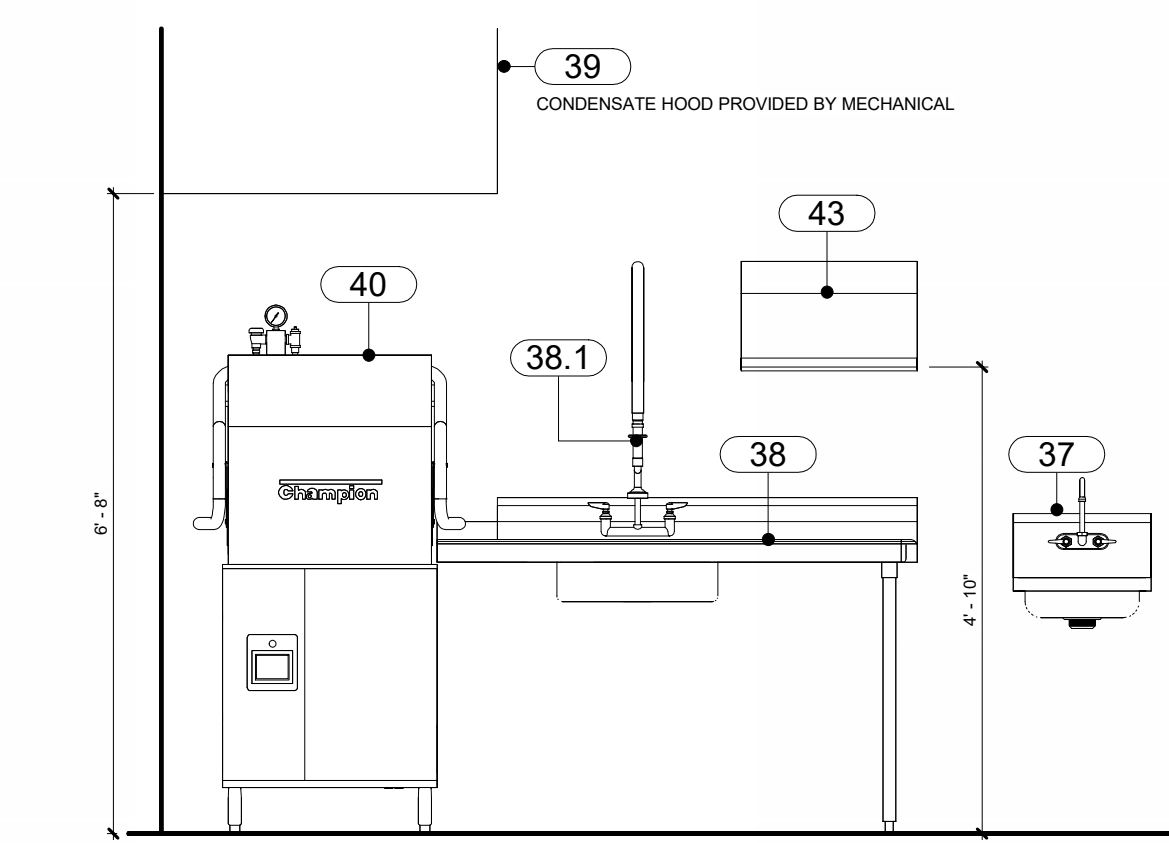
3 MEAT/VEG PREP AREA
QF2.1 1/2" = 1'-0"



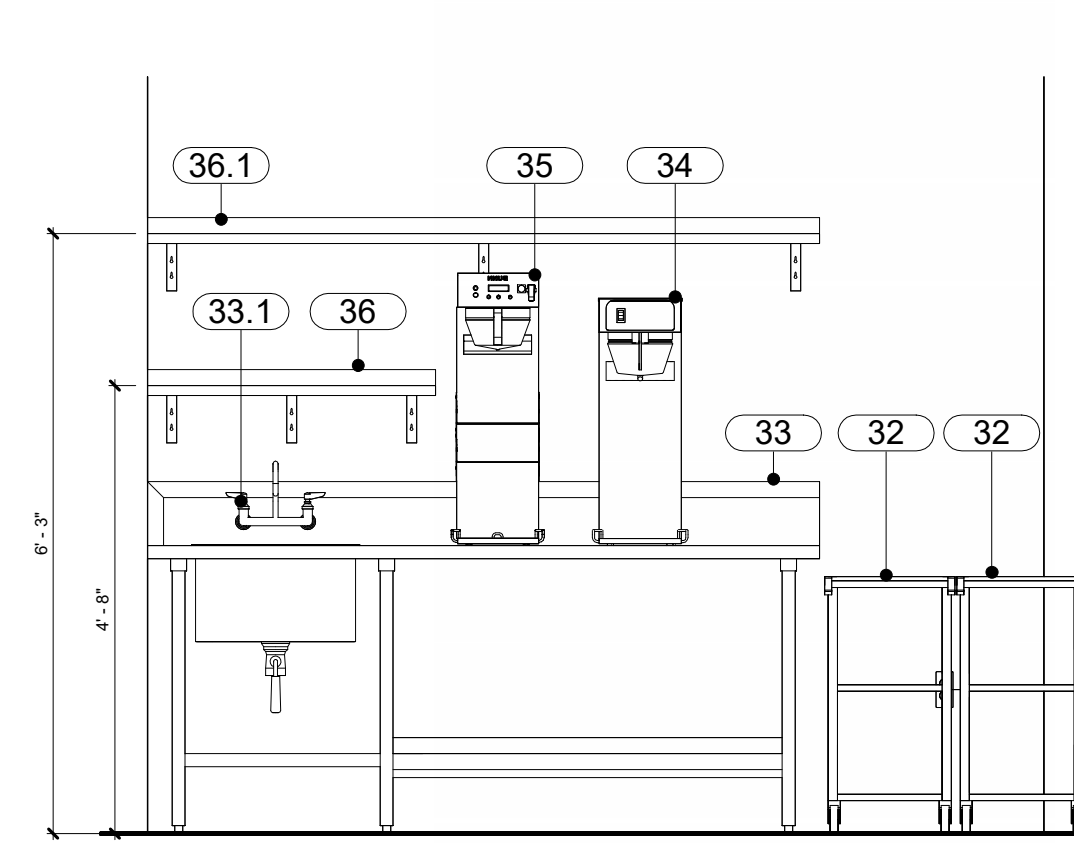
4 3 COMPARTMENT SINK
QF2.1 1/2" = 1'-0"



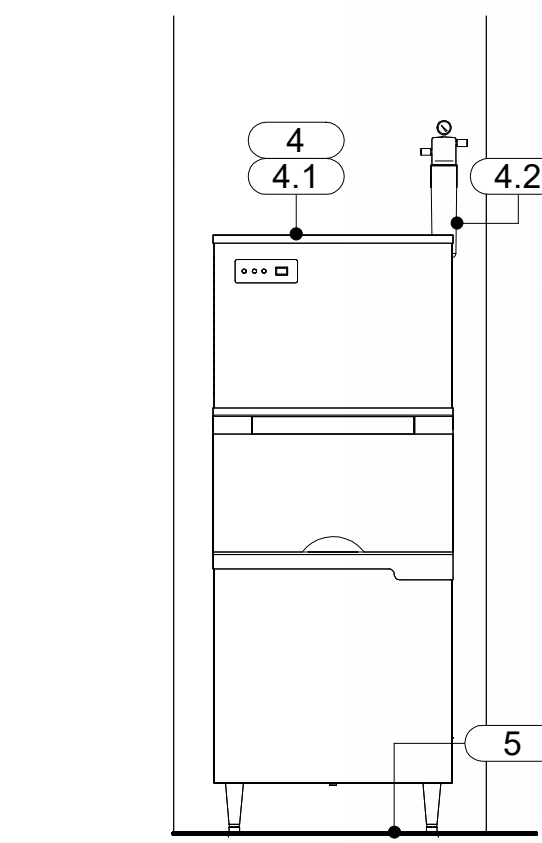
5 CLEAN DISH TABLE
QF2.1 1/2" = 1'-0"



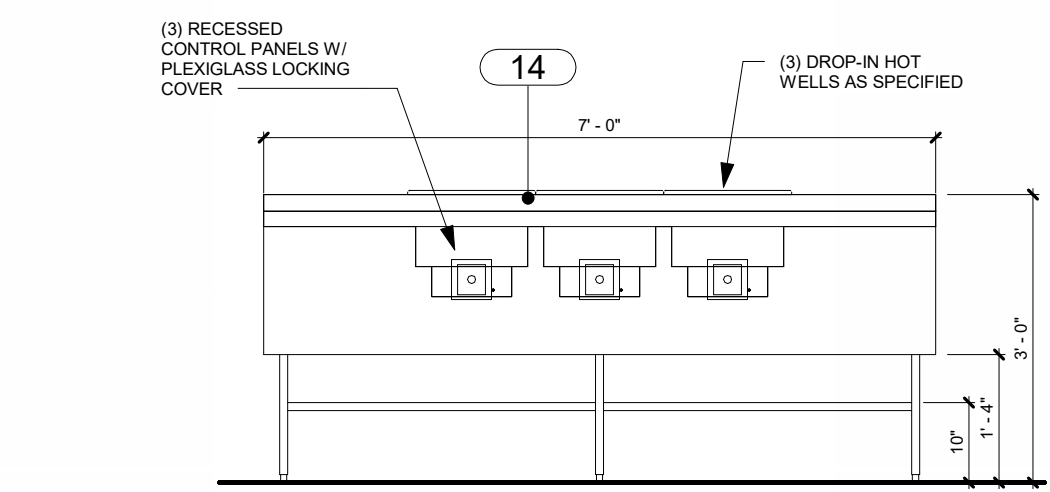
6 SOILED DISH TABLE
QF2.1 1/2" = 1'-0"



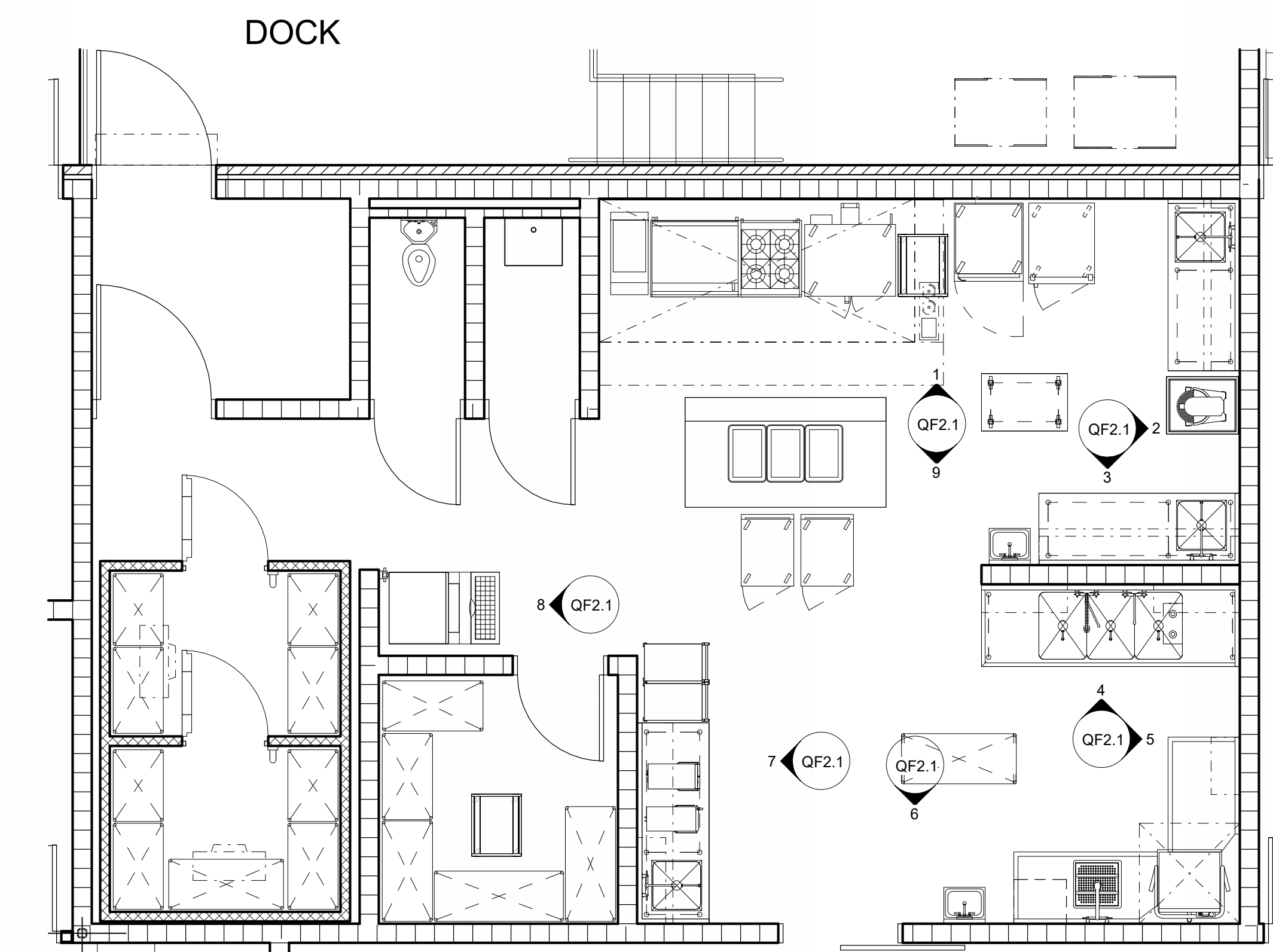
7 BEVERAGE TABLE
QF2.1 1/2" = 1'-0"



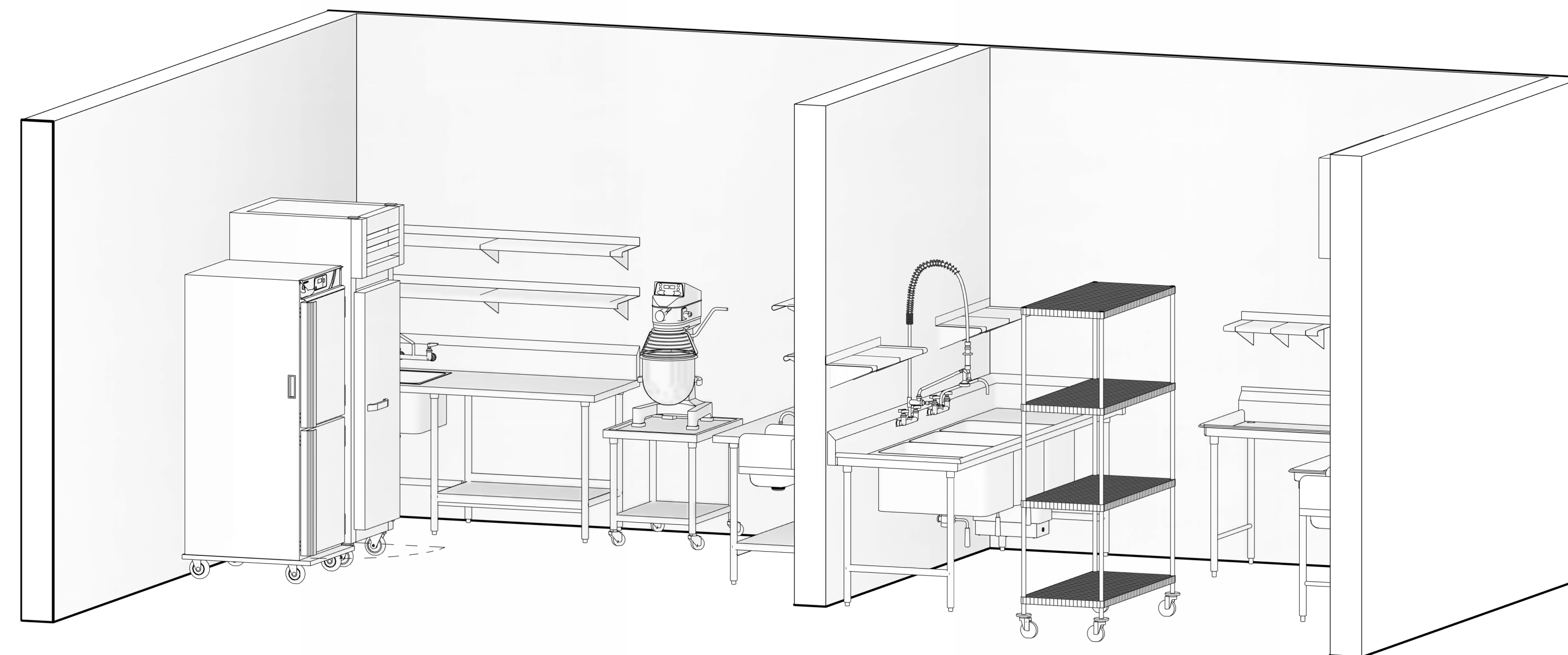
8 ICE MACHINE
QF2.1 1/2" = 1'-0"



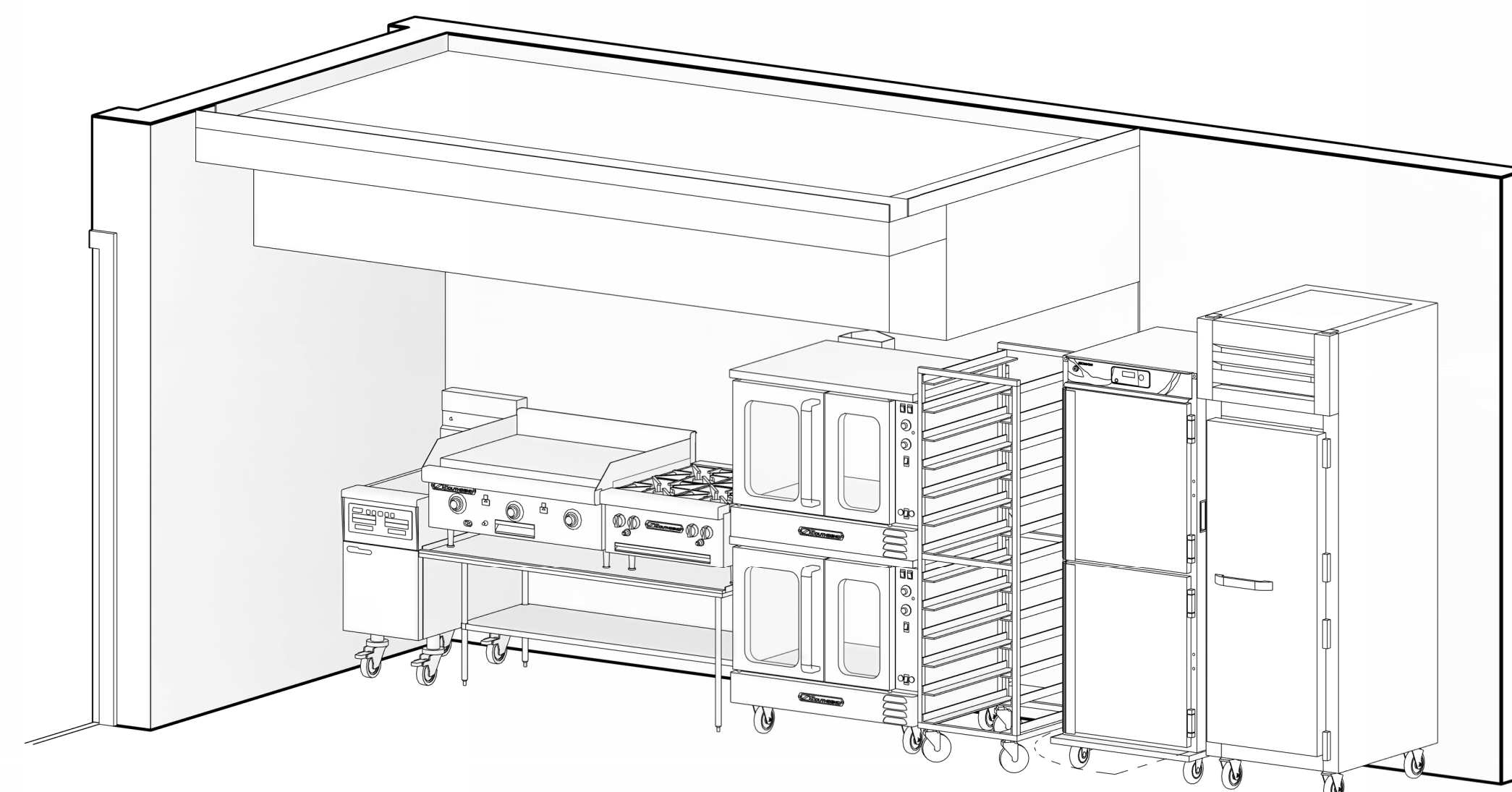
9 TRAY MAKE-UP TABLE
QF2.1 1/2" = 1'-0"



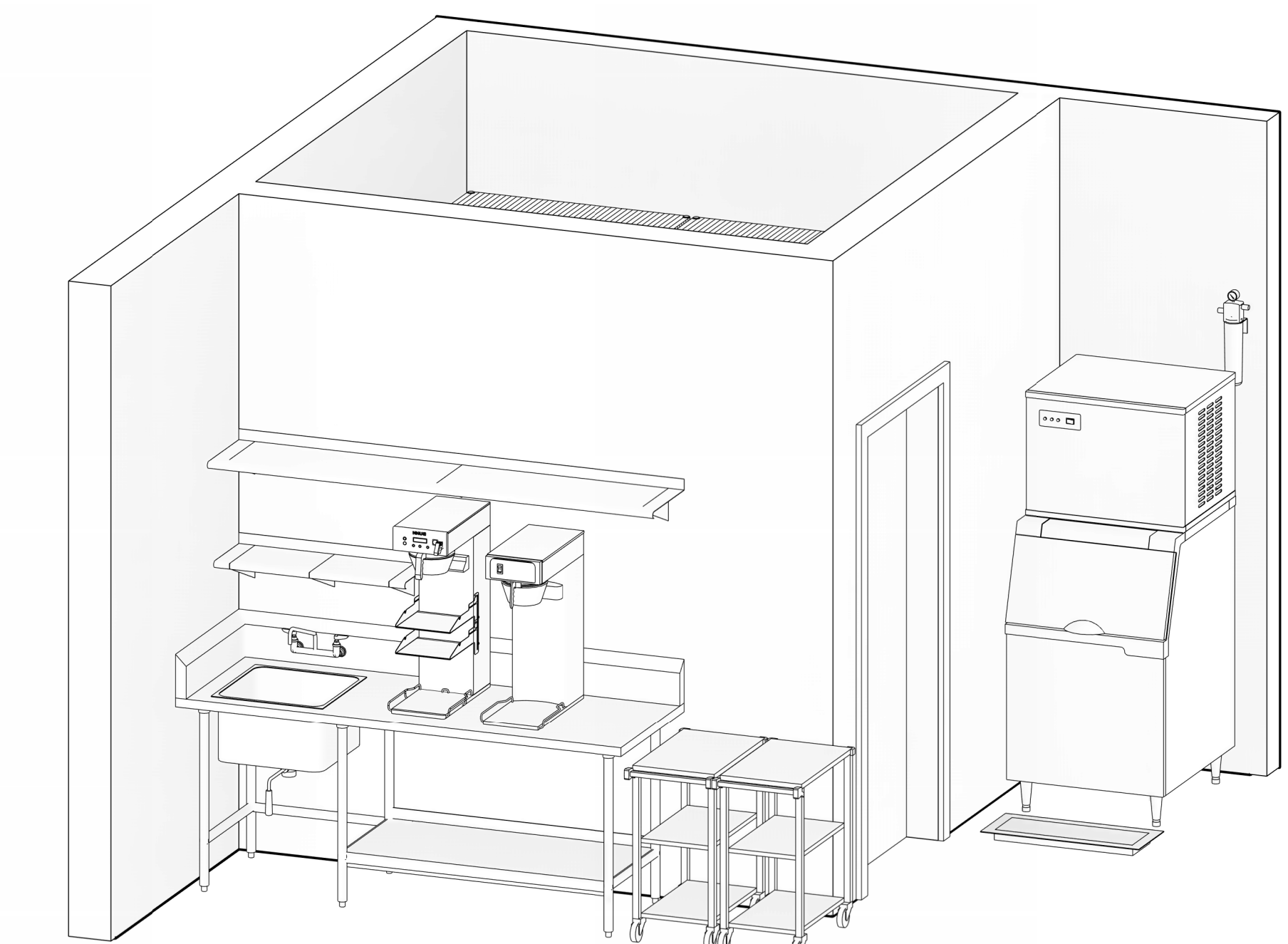
10 FS - EQUIPMENT ELEVATION KEY PLAN
QF2.1 1/4" = 1'-0"



11 PREP & DISH AREA
QF2.1



12 COOK LINE
QF2.1



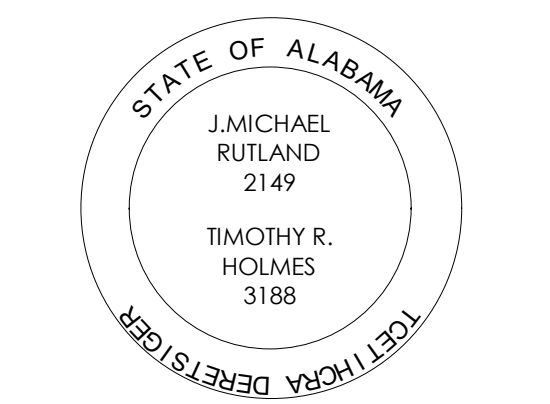
13 BEVERAGE AREA
QF2.1

CONSTRUCTION DOCUMENTS

Project Number: 22-1189
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Revisions:

Sheet Description
FOODSERVICE EQUIPMENT ELEVATIONS & KEY SYMBOL PLAN

Sheet Number



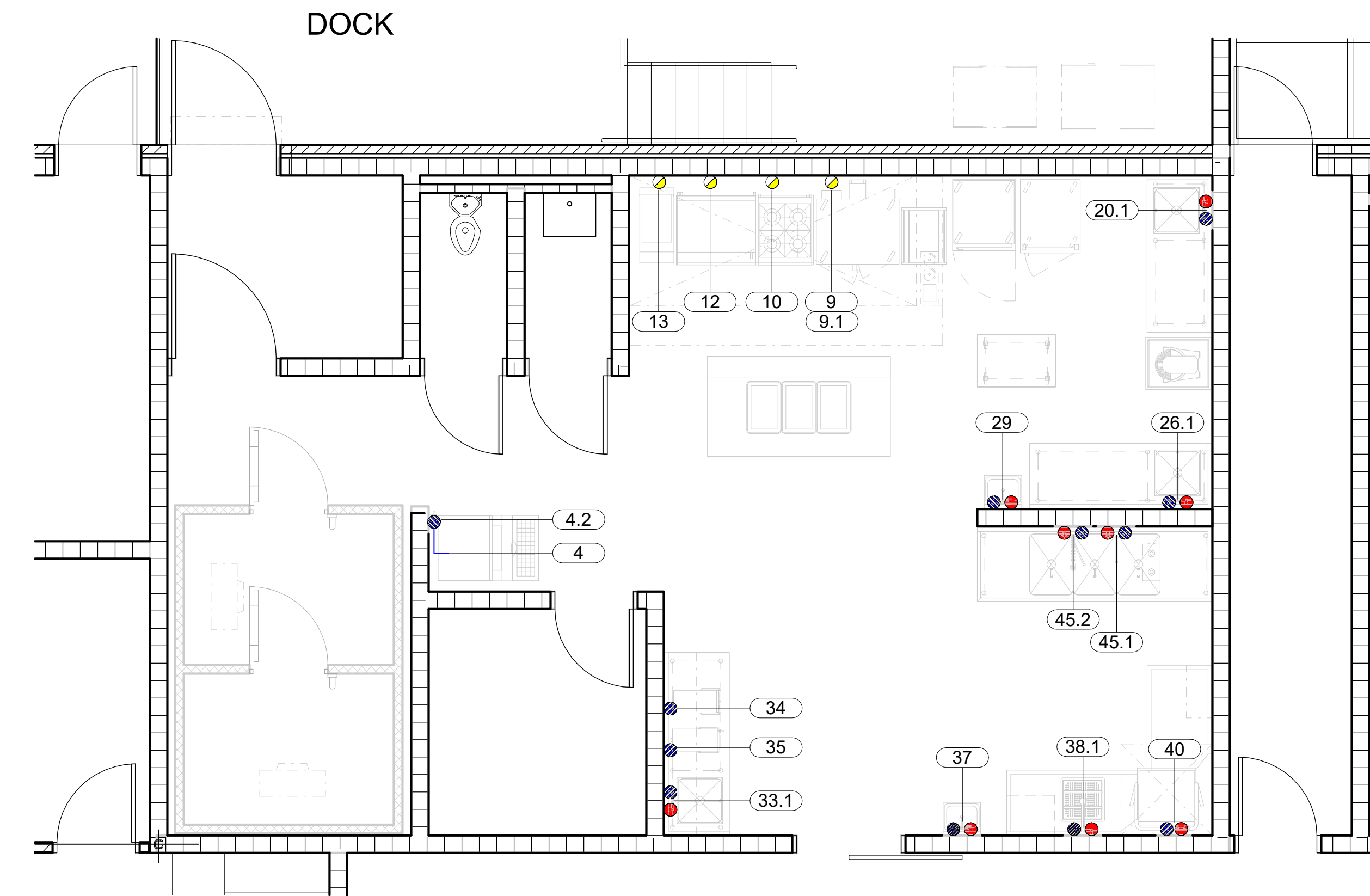
CHOCTAW COUNTY JAIL BUTLER, ALABAMA

FOODSERVICE PLUMBING SUPPLY SCHEDULE												
ITEM NO	QTY	DESCRIPTION	CW SIZE	CW AFF	FW SIZE	HW SIZE	HW AFF	GAS SIZE	GAS MBTU/H	GAS AFF	PLUMBING REMARKS	ITEM NO
4	1	ICE MACHINE			3/8"							4
4.2	1	WATER FILTER	3/8"	84"	3/8"							4.2
9	1	CONVECTION OVEN - TOP OVEN						3/4"	140	18"	GAS QUICK DISCONNECT	9
9.1	1	CONVECTION OVEN - BOTTOM OVEN						3/4"	132	18"	GAS QUICK DISCONNECT	9.1
10	1	4 BURNER HOTPLATE						3/4"	90	18"	GAS QUICK DISCONNECT	10
12	1	GRIDDLE						3/4"	80	18"	GAS QUICK DISCONNECT	12
13	1	FRYER						3/4"	80	18"	GAS QUICK DISCONNECT	13
20.1	1	FAUCET	1/2"	16"		1/2"	16"					20.1
26.1	1	FAUCET	1/2"	16"		1/2"	16"					26.1
29	1	HAND SINK	1/2"	16"		1/2"	16"					29
33.1	1	FAUCET	1/2"	16"		1/2"	16"					33.1
34	1	TEA BREWER	1/4"	50"							FILTER	34
35	1	COFFEE BREWER	3/8"	50"							FILTER	35
37	1	HAND SINK	1/2"	16"		1/2"	16"					37
38.1	1	PRE-RINSE FAUCET	1/2"	16"		1/2"	16"					38.1
40	1	DISH MACHINE	1/2"	16"		3/4"	16"				DRAIN TEMPERING KIT	40
45.1	1	FAUCET	3/4"	14"		3/4"	14"					45.1
45.2	1	PRE-RINSE W/FAUCET	3/4"	14"		3/4"	14"					45.2

FOODSERVICE HOT WATER SCHEDULE - 120° F			
ITEM NO.	QTY.	DESCRIPTION	GPH
20.1	1	FAUCET	15.58
26.1	1	FAUCET	15.58
29	1	HAND SINK	5
33.1	1	FAUCET	15.58
37	1	HAND SINK	5
38.1	1	PRE-RINSE FAUCET	35
			91.75

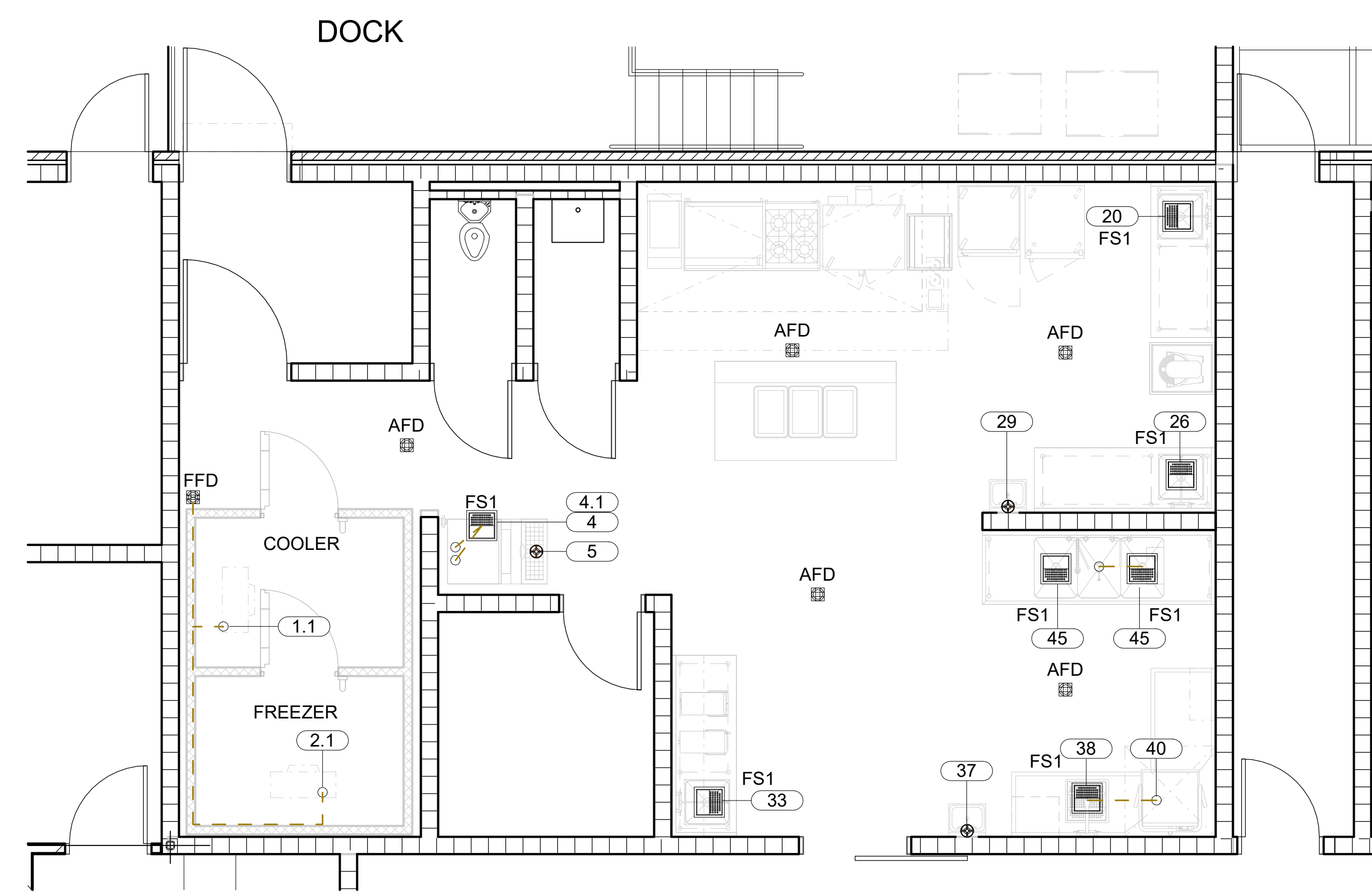
FOODSERVICE HOT WATER SCHEDULE - 140° F			
ITEM NO.	QTY.	DESCRIPTION	GPH
40	1	DISH MACHINE	39
45.1	1	FAUCET	38.18
45.2	1	PRE-RINSE W/FAUCET	35
			112.18

PLUMBING LEGEND	
	COLD WATER
	HOT WATER
	GAS CONNECTION
	DIRECT DRAIN CONNECTION
	AREA FLOOR DRAIN (AFD)
	FUNNEL FLOOR DRAIN (FFD)
	FLOOR SINK (FS1) - HALF GRATE
	WATER SUPPLY
	FILTERED WATER SUPPLY
	DIRECT WASTE
	INDIRECT WASTE



1 FS - PLUMBING SUPPLY PLAN
QF3.1 1/4" = 1'-0"

FOODSERVICE PLUMBING DRAIN SCHEDULE							
ITEM NO	QTY	DESCRIPTION	DW SIZE	DW AFF	IW SIZE	PLUMBING REMARKS	ITEM NO
1.1	1	COOLER EVAPORATOR COIL			3/4"		1.1
2.1	1	FREEZER EVAPORATOR COIL			3/4"		2.1
4	1	ICE MACHINE			3/4"		4
4.1	1	ICE BIN			3/4"		4.1
5	1	FLOOR TROUGH	4"	0"			5
20	1	1 COMPARTMENT SINK PREP TABLE			1 1/2"	LEVER WASTE	20
26	1	1 COMPARTMENT SINK PREP TABLE			1 1/2"	LEVER WASTE	26
29	1	HAND SINK	1 1/2"	14"			29
33	1	1 COMPARTMENT SINK BEVERAGE TABLE			1 1/2"	LEVER WASTE	33
37	1	HAND SINK	1 1/2"	14"			37
38	1	SOILED DISHTABLE			1 1/2"		38
40	1	DISH MACHINE			1 1/2"	DRAIN TEMPERING KIT	40
45	1	3-COMPARTMENT SINK			1 1/2"	(3) LEVER WASTE	45



2 FS - PLUMBING DRAIN PLAN
QF3.1 1/4" = 1'-0"

IT IS THE INTENT OF THIS DRAWING TO SHOW PLUMBING CONNECTION POINTS. FOR FINAL ROUGH-IN DRAWINGS, SEE CONTRACTOR'S DETAIL SHOP DRAWINGS. ALLOWANCES SHALL BE MADE FOR TRIM, FITTINGS AND ACCESSORIES.



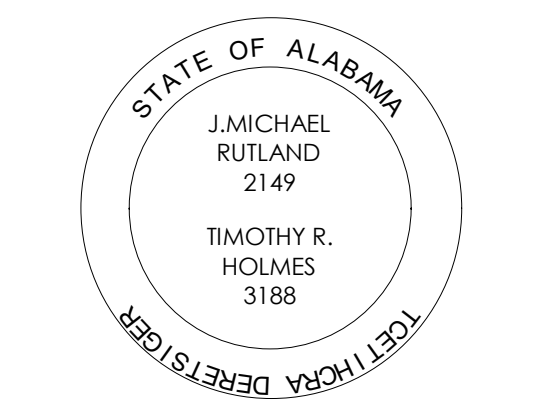
CONSTRUCTION DOCUMENTS

Project Number: 22-1189
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Revisions:

FOODSERVICE EQUIPMENT PLUMBING SUPPLY & DRAIN PLAN

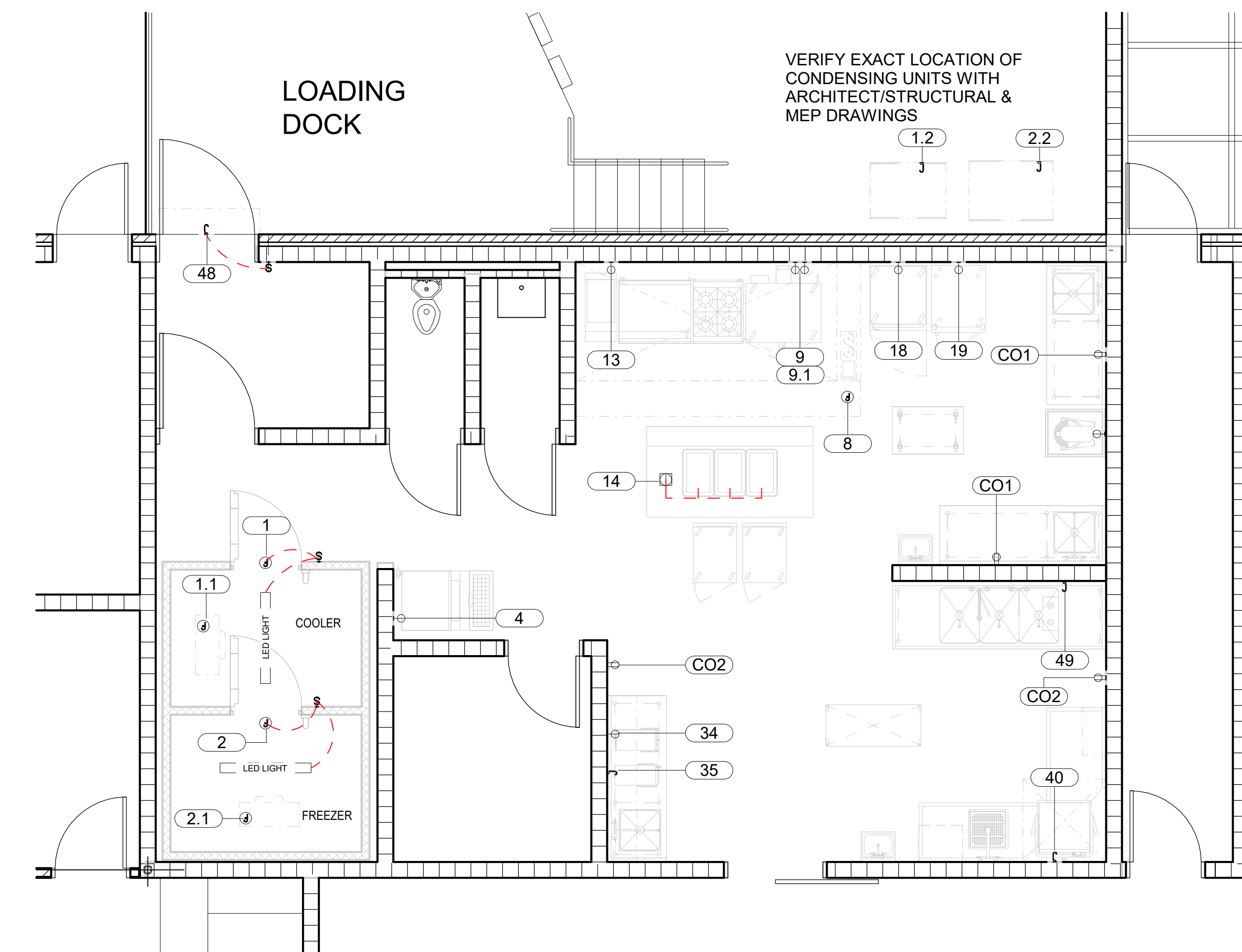
Sheet Number

QF3.1



CHOCTAW COUNTY JAIL BUTLER, ALABAMA

FOODSERVICE ELECTRICAL SCHEDULE												
ITEM NO	QTY	DESCRIPTION	AMPS	HP	VOLTS	PHASE	CONN. TYPE	NEMA	ELEC. AFF	STUB OUT	ELECTRICAL REMARKS	ITEM NO
1	1	WALK-IN COOLER	15		120	1	DIRECT		120"		LIGHTING CIRCUIT	1
1.1	1	COOLER EVAPORATOR COIL	1		120	1	DIRECT		120"			1.1
1.2	1	COOLER CONDENSING UNIT	5.4		208	1	DIRECT		24"			1.2
2	1	WALK-IN FREEZER	15		120	1	DIRECT		120"		LIGHTING AND DOOR HEAT CIRCUIT	2
2.1	1	FREEZER EVAPORATOR COIL	1.2		208	1	DIRECT		120"			2.1
2.2	1	FREEZER CONDENSING UNIT	14.9		208	1	DIRECT		24"			2.2
4	1	ICE MACHINE	20		115	1	CORD & PLUG	5-15P	68"			4
8	1	EXHAUST HOOD W/FIRE SYSTEM	20		120	1	DIRECT		120"		PROVIDED BY MECHANICAL, VERIFY UTILITY CONNECTIONS	8
9	1	CONVECTION OVEN - TOP OVEN	7.9		120	1	CORD & PLUG	5-15P	24"			9
9.1	1	CONVECTION OVEN - BOTTOM OVEN	7.9		120	1	CORD & PLUG	5-15P	24"			9.1
13	1	FRYER	0.7		115	1	CORD & PLUG	5-15P	24"			13
14	1	TRAY MAKE-UP TABLE	20		208	1	CORD & PLUG	6-20P		6"	(3) WELLS - POWERED THRU COUNTER	14
18	1	MOBILE HEATED CABINET	12		120	1	CORD & PLUG	5-15P	50"			18
19	1	REACH-IN REFRIGERATOR	3.8		120	1	CORD & PLUG	5-15P	50"			19
24	1	20 QT MIXER	6	1/2	115	1	CORD & PLUG	5-15P	24"			24
34	1	TEA BREWER	14		120	1	CORD & PLUG	5-15P	50"		ESTIMATED UTILITIES, VERIFY WITH SUPPLIER	34
35	1	COFFEE BREWER	14		120 / 208	1	DIRECT		50"		ESTIMATED UTILITIES, VERIFY WITH SUPPLIER	35
40	1	DISH MACHINE	46		208	3	DIRECT		24"			40
48	1	AIR CURTAIN	7.5		120	1	DIRECT		100"		SWITCH AT DOOR	48
49	1	SINK HEATER	25		208	3	DIRECT		12"			49
CO1	2	CONVENIENCE OUTLET	16		120	1	CORD & PLUG	5-20P	50"			CO1
CO2	2	CONVENIENCE OUTLET	16		120	1	CORD & PLUG	5-20P	24"			CO2



1 FS - ELECTRICAL PLAN
QF4.1 1/4" = 1'-0"

ELECTRICAL LEGEND	
	SPECIAL PURPOSE SINGLE RECEPTACLE WALL-MOUNTED (DEDICATED CIRCUIT)
	SPECIAL PURPOSE DUPLEX RECEPTACLE WALL-MOUNTED (DEDICATED CIRCUIT)
	JUNCTION BOX WALL-MOUNTED
	DATA WALL-MOUNTED
	SWITCH WALL-MOUNTED
	DISCONNECT WALL-MOUNTED
	SPECIAL PURPOSE SINGLE RECEPTACLE FLOOR-MOUNTED (DEDICATED CIRCUIT)
	SPECIAL PURPOSE DUPLEX RECEPTACLE FLOOR-MOUNTED (DEDICATED CIRCUIT)
	JUNCTION BOX FLOOR-MOUNTED
	DATA FLOOR-MOUNTED
	SPECIAL PURPOSE SINGLE RECEPTACLE CEILING-MOUNTED (DEDICATED CIRCUIT)
	SPECIAL PURPOSE DUPLEX RECEPTACLE CEILING-MOUNTED (DEDICATED CIRCUIT)
	JUNCTION BOX CEILING MOUNTED
CONV	CONVENIENCE OUTLET - 16A/120/1
DCO	DEDICATED CONVENIENCE OUTLET
---	ELECTRICAL WIRING

FOODSERVICE EQUIPMENT CONTRACTOR TO PROVIDE HEATER TAPE FOR WALK-IN FREEZER CONDENSATE DRAIN LINE WITH INSTALLATION BY ELECTRICAL CONTRACTOR.

REMOTE REFRIGERATION WIRING IS SHOWN FOR INFORMATIONAL PURPOSES ONLY. ACTUAL WIRING TO BE DETERMINED BY COMPRESSOR LOCATION AND BUILDING STRUCTURE. IN KEEPING WITH ALL REQUIREMENTS OF THE SPECIFICATIONS.

IT IS THE INTENT OF THIS DRAWING TO SHOW ELECTRICAL CONNECTION POINTS. FOR FINAL ROUGH-IN DRAWINGS, SEE CONTRACTOR'S DETAIL SHOP DRAWINGS. ALLOWANCES SHALL BE MADE FOR TRIM, FITTINGS AND ACCESSORIES.



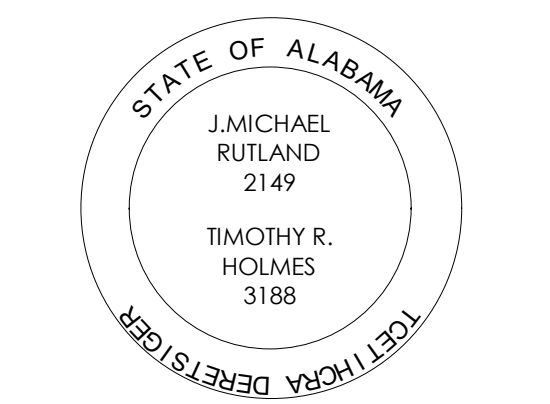
CONSTRUCTION DOCUMENTS

Project Number: 22-1189
Date: 05-30-2024
Revisions:

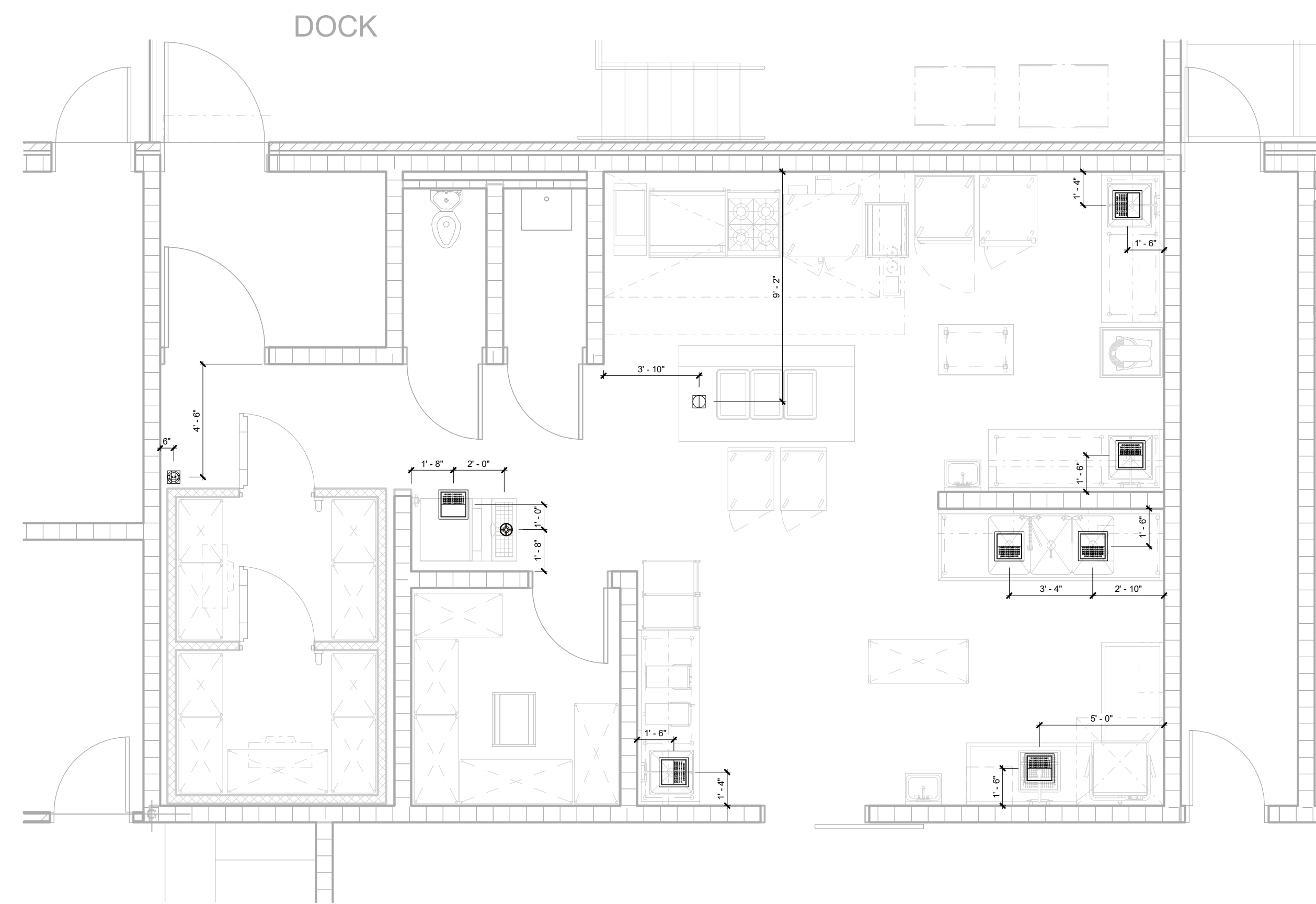
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FOODSERVICE EQUIPMENT ELECTRICAL PLAN

Sheet Number

QF4.1

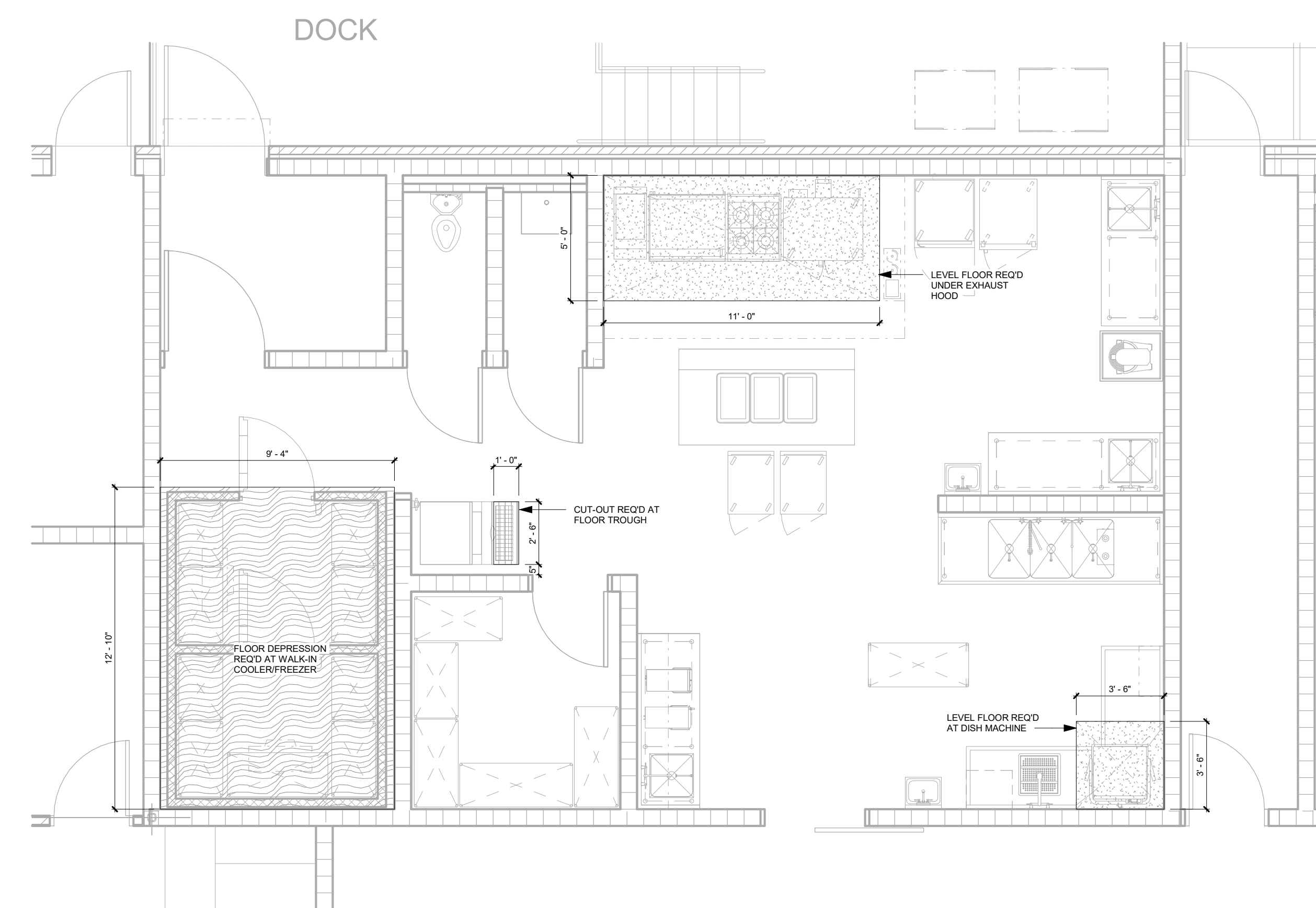


**CHOCTAW COUNTY JAIL
BUTLER,
ALABAMA**



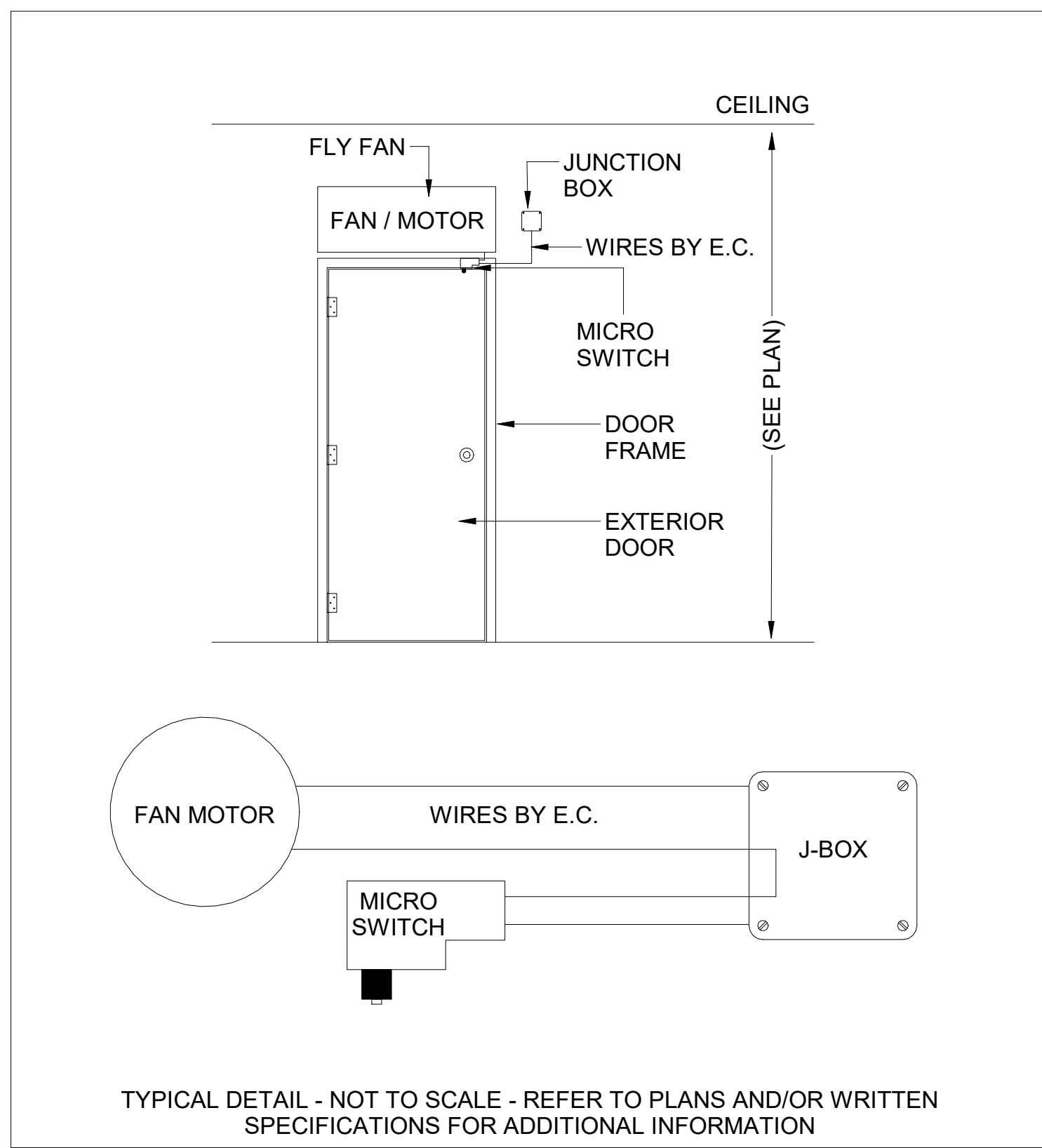
SLAB PENETRATION LEGEND	
	DIRECT DRAIN CONNECTION
	FUNNEL FLOOR DRAIN (FFD)
	FLOOR SINK (FS1) - HALF GRATE
	FLOOR TROUGH
	SPECIAL PURPOSE SINGLE RECEPTACLE FLOOR-MOUNTED (DEDICATED CIRCUIT)
	SPECIAL PURPOSE DUPLEX RECEPTACLE FLOOR-MOUNTED (DEDICATED CIRCUIT)
	JUNCTION BOX FLOOR-MOUNTED

1 SLAB PENETRATION PLAN
QF5.1 1/4" = 1'-0"

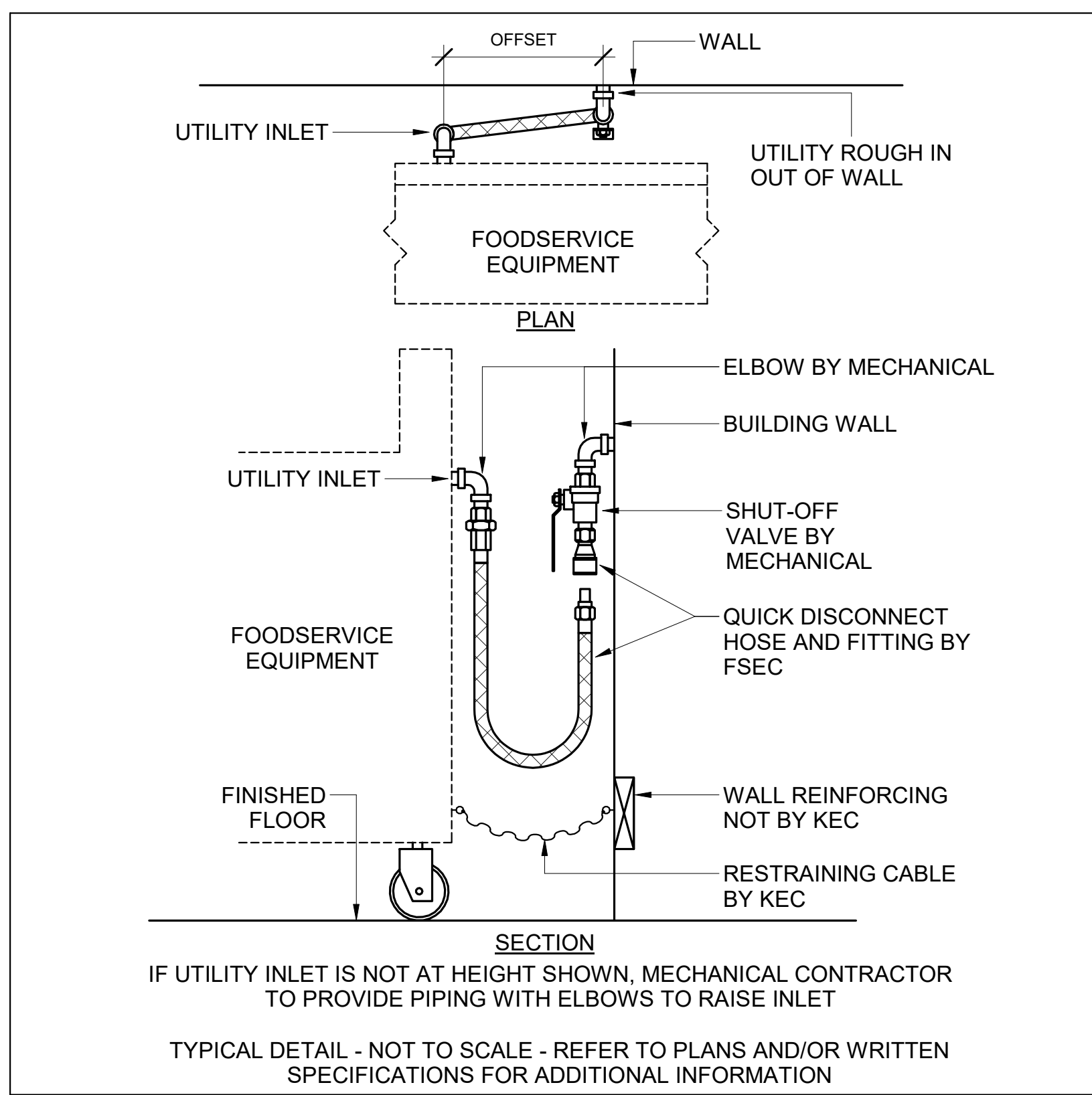


SPECIAL CONDITIONS LEGEND	
	AREA FLOOR DRAIN
	WALL BLOCKING
	4" FLOOR DEPRESSION
	2" DEEP FLOOR TROUGH
	SMOOTH AND LEVEL FLOOR

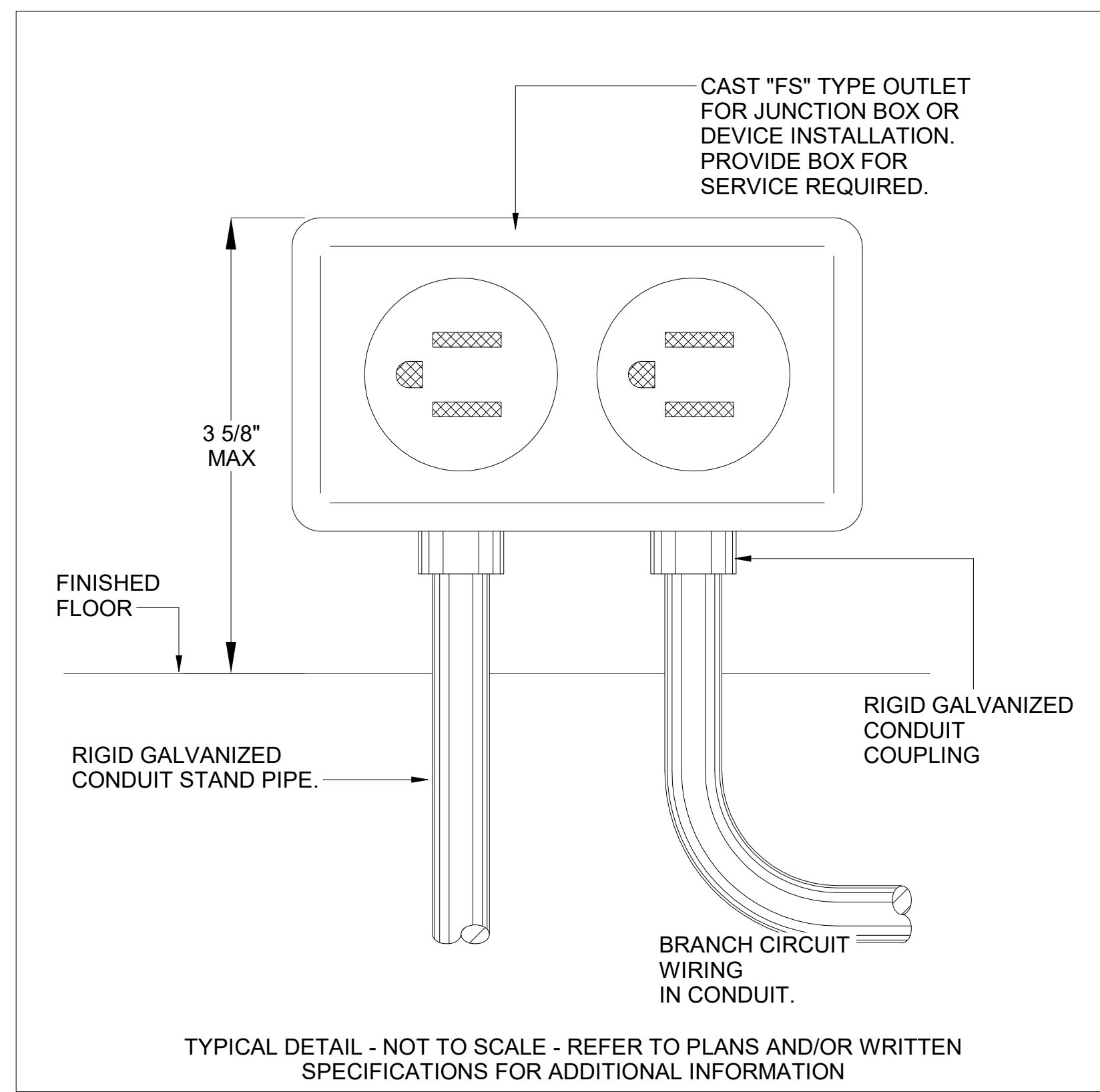
2 FS - SPECIAL CONDITIONS PLAN
QF5.1 1/4" = 1'-0"



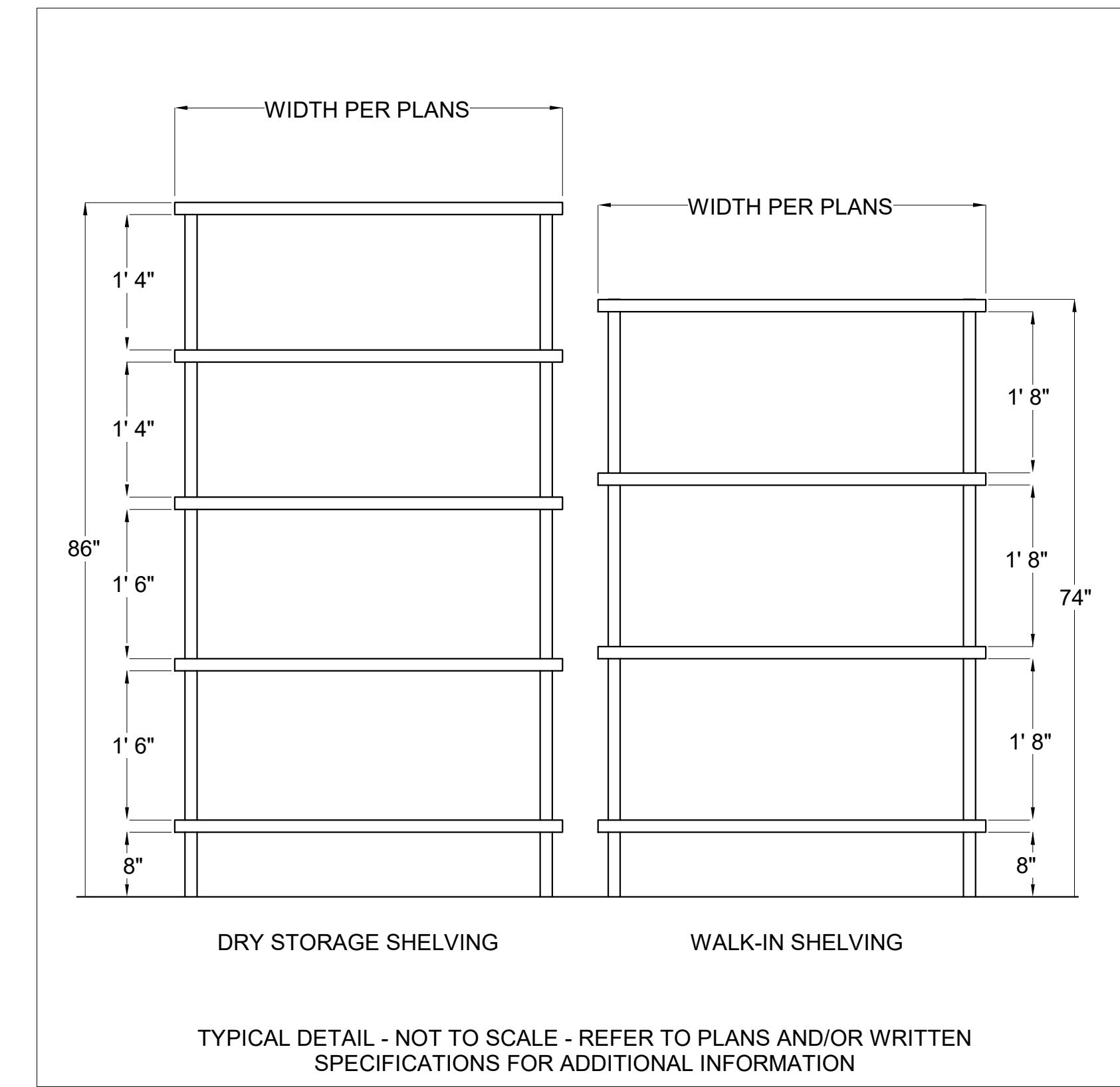
1 FLY FAN DETAIL
QF7.1 NOT TO SCALE



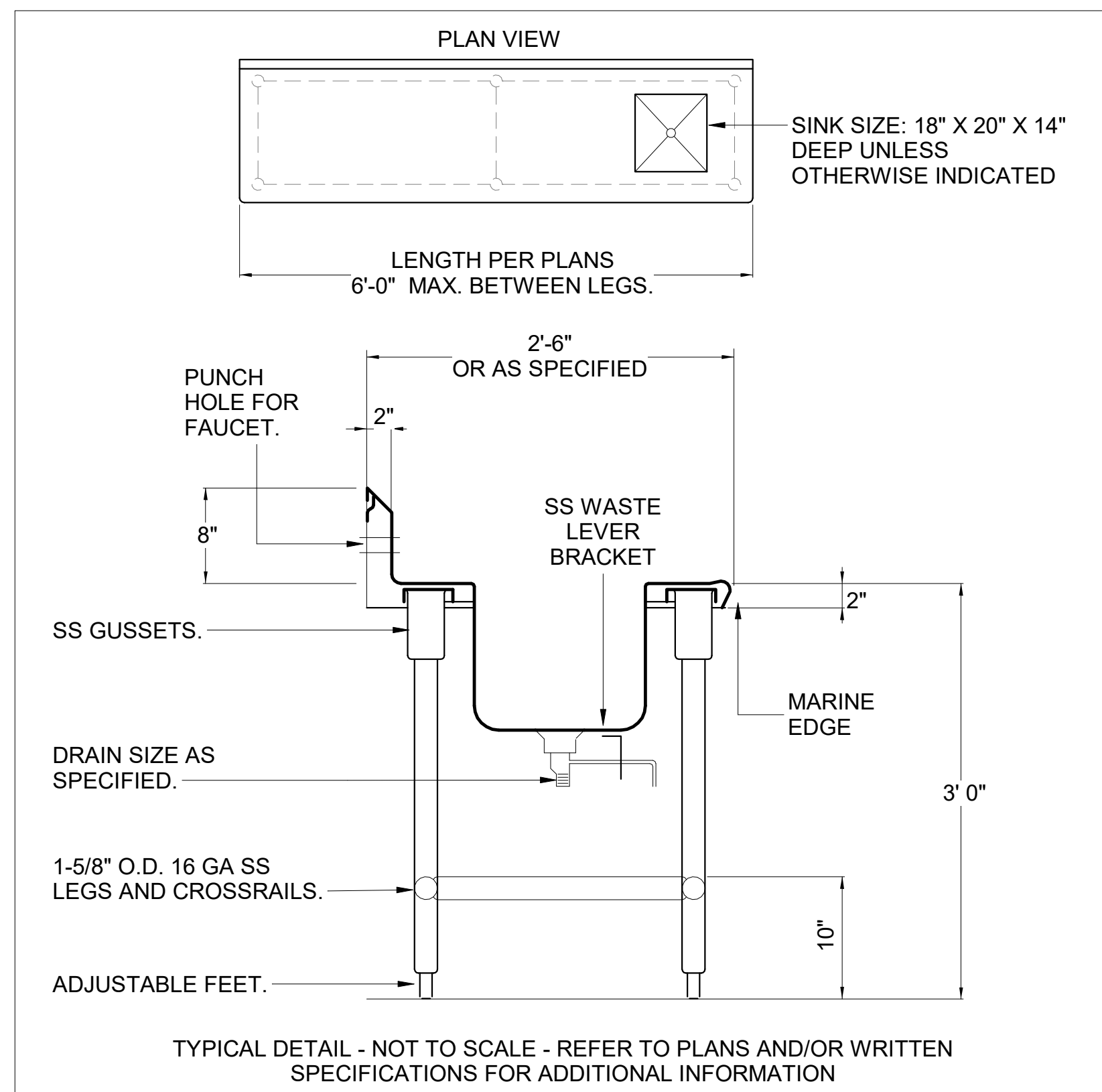
2 GAS QUICK DISCONNECT DETAIL
QF7.1 NOT TO SCALE



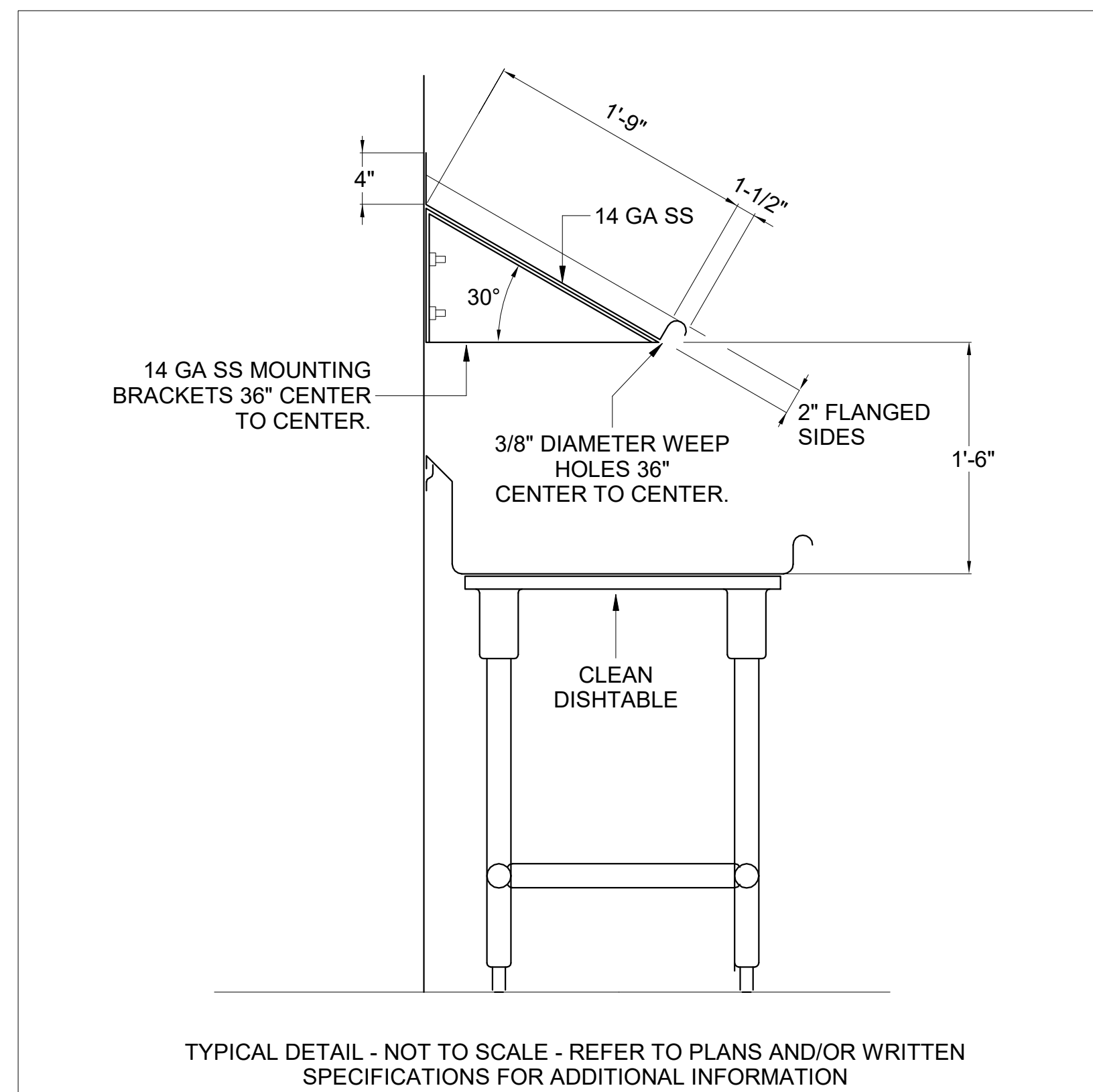
3 STUB UP OUTLET DETAIL
QF7.1 NOT TO SCALE



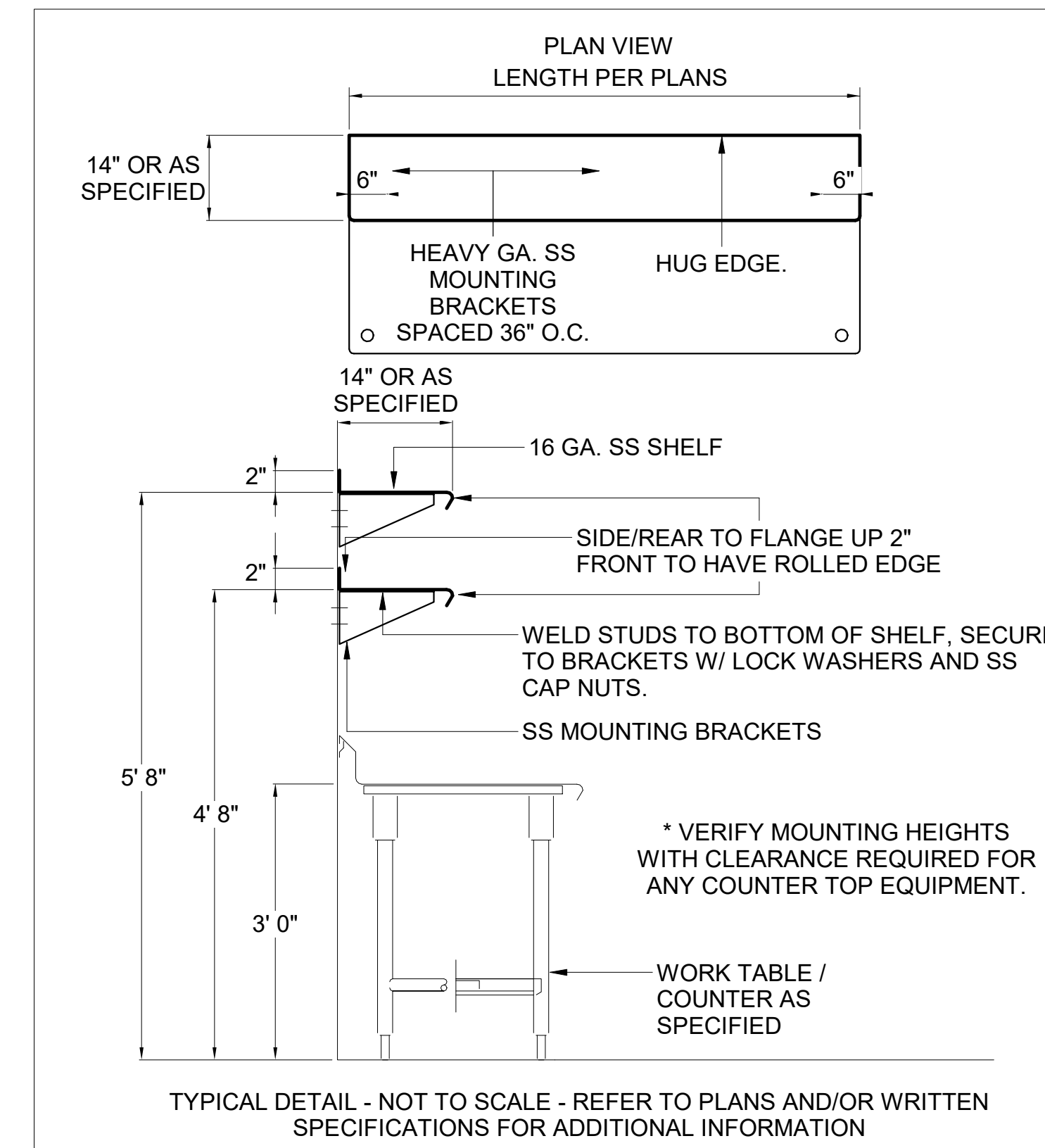
4 SHELF SPACING DETAIL
QF7.1 NOT TO SCALE



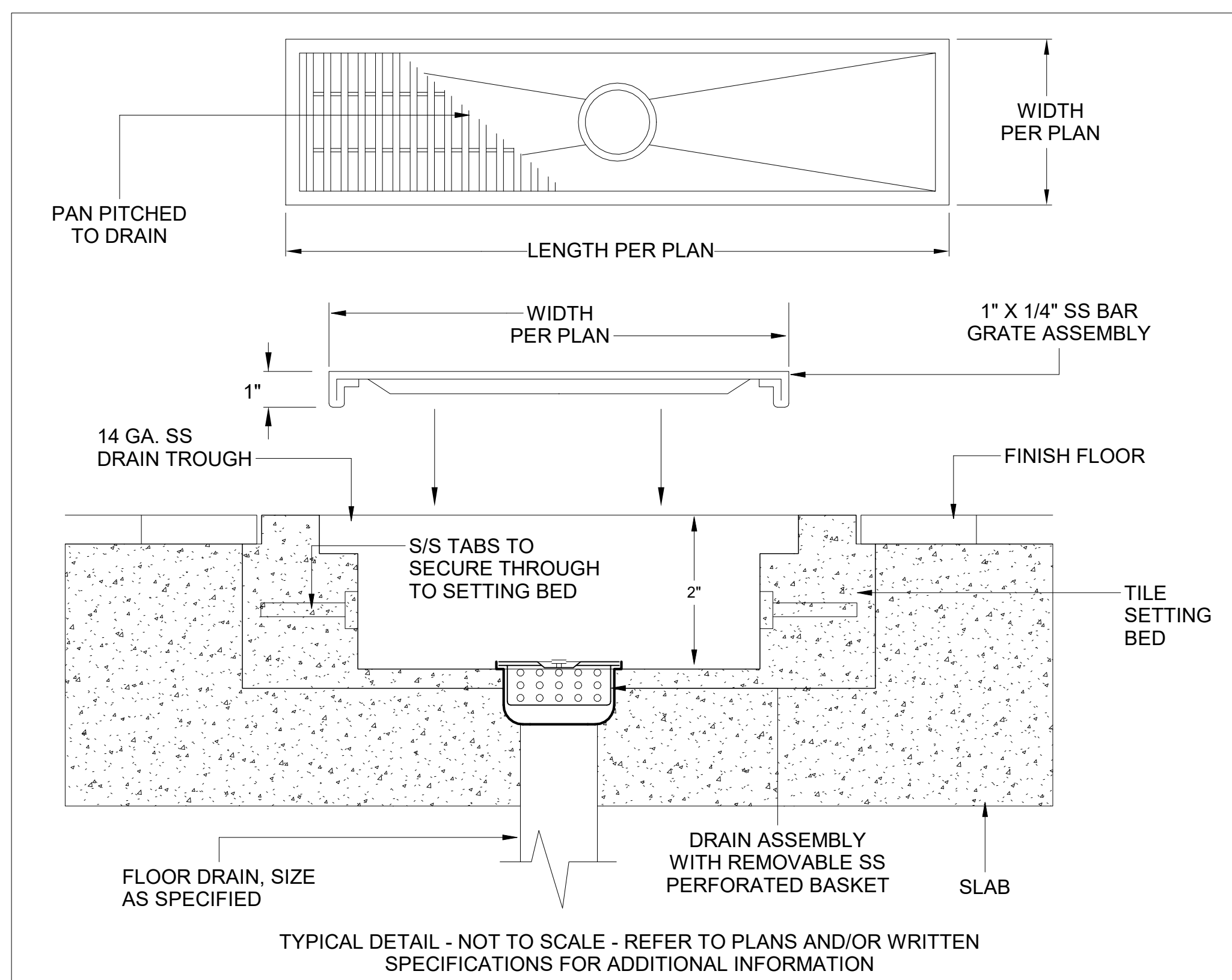
5 WORKTABLE W/ SINK DETAIL
QF7.1 NOT TO SCALE



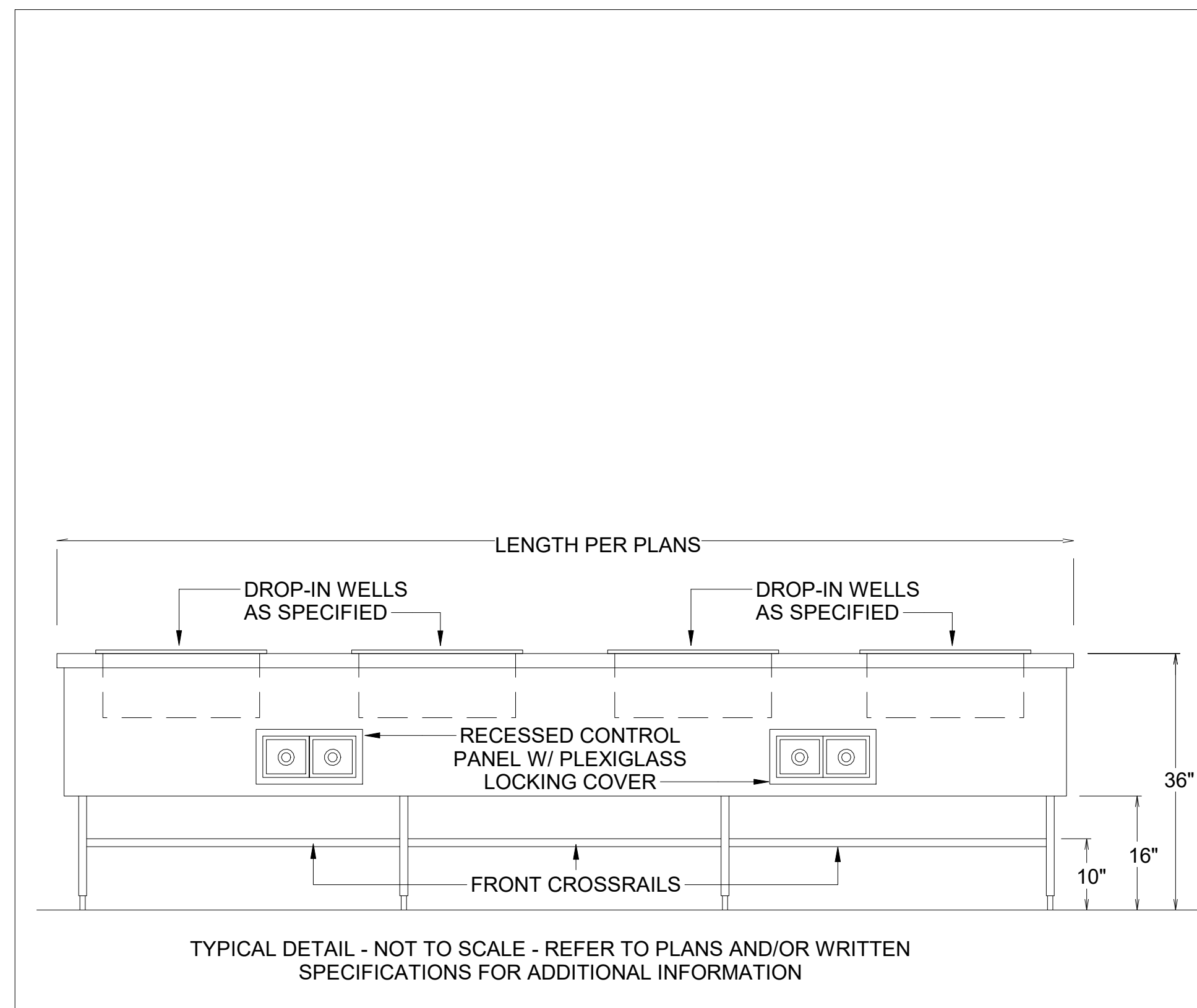
6 GLASS RACK SHELF DETAIL
QF7.1 NOT TO SCALE



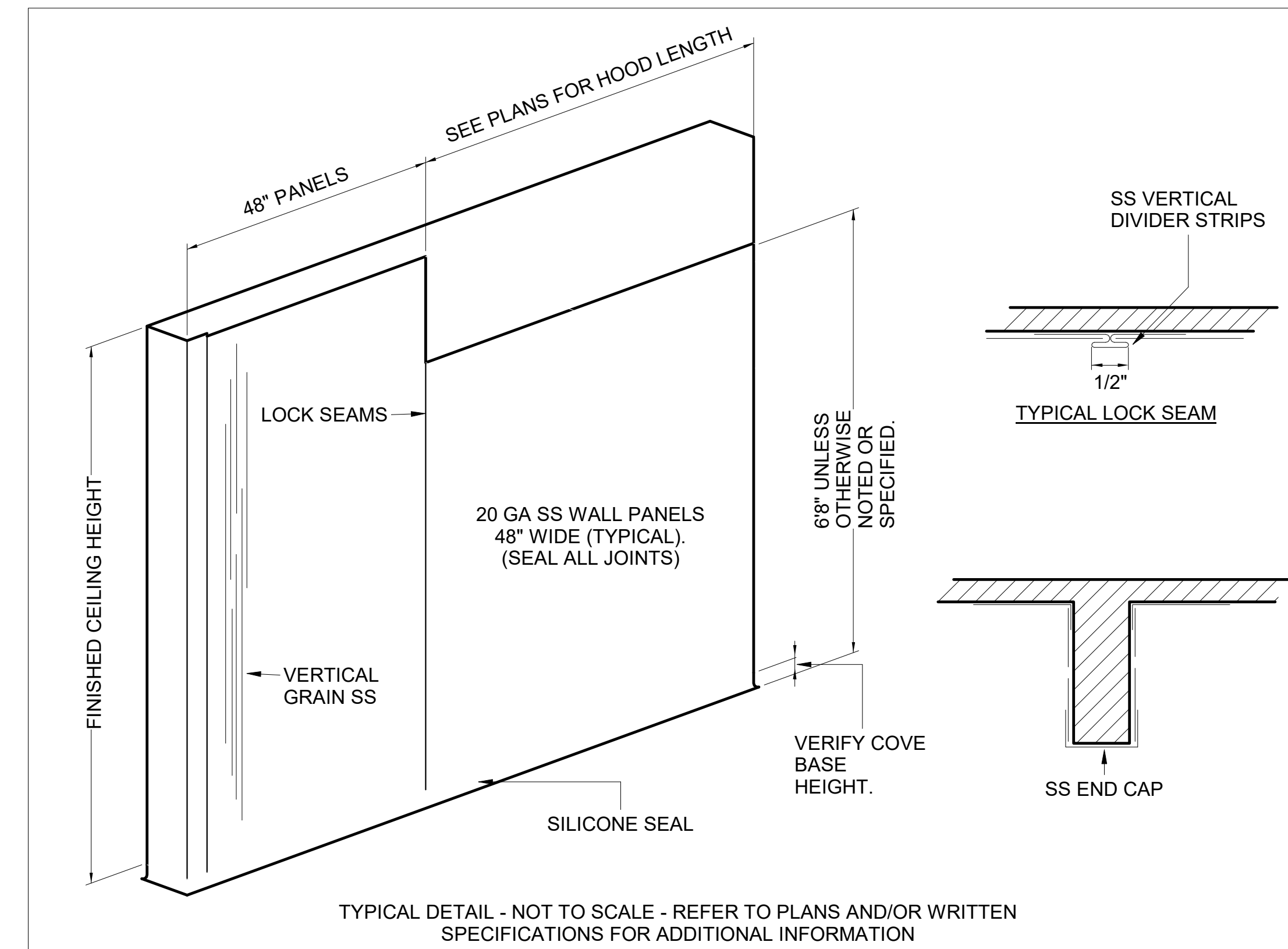
7 STAINLESS STEEL WALL SHELF DETAIL
QF7.1 NOT TO SCALE



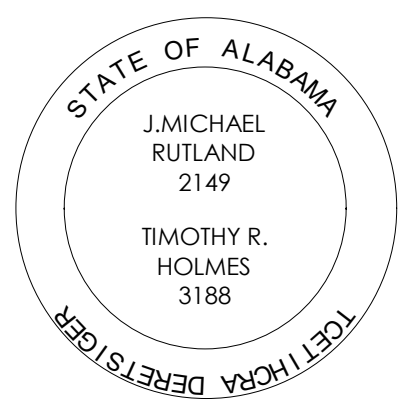
8 FLOOR TROUGH DETAIL
QF7.1 NOT TO SCALE



9 CORRECTIONAL TRAY MAKEUP TABLE DETAIL
QF7.1 NOT TO SCALE



10 WALL FLASHING DETAIL
QF7.1 NOT TO SCALE



LAUNDRY GENERAL NOTES
<ul style="list-style-type: none"> ITEMS OF LAUNDRY EQUIPMENT SHALL BE FABRICATED AND INSTALLED IN STRICT ACCORDANCE WITH THE LATEST STANDARDS PUBLISHED BY THE NATIONAL SANITATION FOUNDATION (NSF) OR THE EQUIVALENT, IN STRICT COMPLIANCE WITH ALL APPLICABLE NATIONAL, STATE, AND/OR LOCAL CODES AND STANDARDS. WORK AND MATERIALS SHALL BE IN COMPLIANCE WITH REQUIREMENTS OF APPLICABLE CODES, ORDINANCES, AND REGULATIONS INCLUDING, BUT NOT LIMITED TO, THOSE OF THE NATIONAL FIRE PROTECTION ASSOCIATION, STATE FIRE MARSHAL, STATE BOARD OF HEALTH, LOCAL HEALTH CODES, ETC. ELECTRICALLY OPERATED AND/OR HEATED EQUIPMENT, FABRICATED OR OTHERWISE, SHALL CONFORM TO THE LATEST STANDARDS OF NATIONAL ELECTRIC MANUFACTURERS' ASSOCIATION AND OF UNDERWRITERS LABORATORIES, INC. EQUIPMENT SHALL BEAR THE U.L. LABEL. STEAM HEATED EQUIPMENT SHALL BE MANUFACTURED IN ACCORDANCE WITH A.S.M.E. CODE REQUIREMENTS AND CARRY THE A.S.M.E. STAMP. NO EXTRA CHARGE WILL BE PAID FOR FURNISHING ITEMS REQUIRED BY REGULATIONS BUT NOT SPECIFIED OR SHOWN ON THE DRAWINGS. RULINGS AND INTERPRETATIONS OF ENFORCING AGENCIES SHALL BE CONSIDERED PART OF THE REGULATIONS. GENERAL CONTRACTOR TO SITE VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. <p>DISCLAIMER</p> <ul style="list-style-type: none"> LAUNDRY EQUIPMENT PLANS AND SPECIFICATIONS ARE INTENDED TO ILLUSTRATE TYPES AND ARRANGEMENTS, INCLUDING SPACE AND UTILITY REQUIREMENTS, OF EQUIPMENT REQUIRED FOR THE PROJECT REGARDING THE DESIRED FUNCTION AND PRODUCT FLOW. THEY ARE INTENDED TO SERVE AS A REFERENCE TO THE LICENSED PROFESSIONAL ARCHITECT AND/OR ENGINEERS IN THE PREPARATION OF THEIR RESPECTIVE BID AND CONSTRUCTION DOCUMENTS. NO ARCHITECTURAL OR ENGINEERING DESIGN SERVICES ARE INTENDED OR ASSUMED. <p>ERRORS AND OMISSIONS</p> <ul style="list-style-type: none"> DESIGN DOCUMENTS INCLUDE DRAWINGS AND SPECIFICATIONS WHICH SHOULD BE REASONABLY CORRECT. HOWEVER, THEIR COMPLETE ACCURACY IS NOT GUARANTEED. SHOULD DISCREPANCIES OCCUR, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE LAUNDRY CONSULTANT AND/OR PROJECT ARCHITECT/ENGINEER FOR THE CONFLICT TO BE CLARIFIED IN AN OFFICIAL REQUEST FOR INFORMATION. IT SHALL BE THE RESPONSIBILITY OF THE LAUNDRY EQUIPMENT BIDDERS TO INFORM THE LAUNDRY CONSULTANT OF ANY DISCREPANCIES FOUND WITHIN THESE DOCUMENTS TO INCLUDE: WRITTEN SPECIFICATIONS, DRAWINGS, OR SCHEDULES, TO ALLOW AN OPPORTUNITY FOR THE CONSULTANT TO PREPARE AN ADDENDUM TO CORRECT SUCH DISCREPANCIES. BIDDING ON A KNOWN DISCREPANCY WITH THE INTENTION OF EQUIPMENT SUBSTITUTION OR PRICE GOUGING THROUGH CHANGE ORDERS WILL NOT BE TOLERATED.

LAUNDRY PLUMBING NOTES
<ul style="list-style-type: none"> THIS PLUMBING PLAN AND COORDINATING SCHEDULE IS INTENDED TO SHOW ROUGH-IN LOCATIONS AND HEIGHTS, CONNECTION TYPES, POSITIONS, FIXTURE TYPES, AND LOAD REQUIREMENTS FOR LAUNDRY EQUIPMENT SPECIFIED AND SCHEDULED FOR REUSE. THIS PLUMBING PLAN IS INTENDED TO SHOW PLUMBING REQUIREMENTS AND APPROXIMATE ROUGH-IN LOCATIONS ONLY. DO NOT USE FOR ACTUAL ROUGHING-IN. FOR FINAL ROUGH-IN LOCATIONS, SEE DIMENSIONED PLANS PROVIDED BY LAUNDRY EQUIPMENT CONTRACTOR. UTILITY REQUIREMENTS INDICATED ARE TO SERVE AS A REFERENCE TO THE LICENSED PROFESSIONAL ARCHITECT AND/OR ENGINEERS IN THE PREPARATION OF THEIR RESPECTIVE BID AND CONSTRUCTION DOCUMENTS. NO ARCHITECTURAL OR ENGINEERING DESIGN SERVICES ARE INTENDED OR ASSUMED. SEE PLUMBING ENGINEER/ARCHITECT'S DRAWINGS FOR ADDITIONAL INFORMATION. PRIOR TO EQUIPMENT INSTALLATION, THE LAUNDRY EQUIPMENT CONTRACTOR SHALL CHECK UTILITY ROUGH-IN LOCATIONS, COORDINATE FIELD CONDITIONS, AND CALL TO THE ATTENTION OF THE GENERAL CONTRACTOR ANY DISCREPANCIES BETWEEN THE LAUNDRY UTILITY PLANS, THE EQUIPMENT SPECIFIED, AND THE ROUGH-INS AS THEY OCCUR IN THE FIELD. SHOULD DISCREPANCIES OCCUR, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE LAUNDRY CONSULTANT AND/OR PROJECT ARCHITECT/ENGINEER FOR THE CONFLICT TO BE CLARIFIED IN AN OFFICIAL REQUEST FOR INFORMATION. UTILITIES ARE BASED ON MANUFACTURER'S INFORMATION. ACTUAL ROUGHING-IN TO BE DETERMINED BY CODE REQUIREMENTS AND/OR MANUFACTURER'S DIRECTIONS. EXPOSED UTILITY LINES AND PIPES SHALL BE INSTALLED IN A WAY THAT DOES NOT OBSTRUCT OR PREVENT THE CLEANING OF FLOORS, WALLS, AND CEILING AREAS (2 INCHES OFF WALLS AND 6 INCHES MINIMUM OFF FLOORS). GAS LAUNDRY EQUIPMENT SHALL BE AGA APPROVED AND FURNISHED BY LAUNDRY EQUIPMENT CONTRACTOR WITH GAS PRESSURE REGULATORS DESIGNED TO OPERATE WITH 14" W.C. INCOMING GAS PRESSURE OR LESS. LAUNDRY EQUIPMENT CONTRACTOR TO FURNISH MECHANICAL GAS SOLENOID VALVE LOOSE FOR PLUMBING CONTRACTOR TO INSTALL IN GAS SUPPLY LINE, LOCATED SO AS TO SHUT OFF GAS TO LAUNDRY EQUIPMENT WHEN ACTIVATED. PLUMBING ENGINEER TO BE RESPONSIBLE FOR ALL CONCERNS AND ARRANGEMENTS REGARDING PENETRATIONS INTO THE FLOOR AND WALL. BUILDING OWNER TO APPROVE PRIOR TO CONSTRUCTION. PLUMBING ENGINEER TO LOCATE AREA DRAINS AS REQUIRED FOR GENERAL CLEANING OF THE FACILITY. PLUMBING COMPONENTS MUST NOT INTERFERE WITH THE OPERATION OF LAUNDRY EQUIPMENT. WHERE POSSIBLE, UTILITIES SHALL BE CONCEALED WITHIN BUILDING WALLS OR COLUMN CHASES, NOT RUN ALONG WALL FACE. DO NOT STUB OUT OF FLOOR AND RUN ON THE FACE OF THE WALL. ANY AND ALL EXPOSED PIPING TO BE STAINLESS STEEL, CHROME PLATED, OR ENCLOSED IN A CONCEALED, MOUNTED STAINLESS STEEL CHASE. ALL HORIZONTAL PIPING RUNS EXTENDED TO AND CONNECTED TO EQUIPMENT ITEMS SHALL BE AT THE HIGHEST PRACTICAL ELEVATION AND NOT LESS THAN 6" ABOVE THE FINISHED FLOOR (TO PROVIDE CLEARANCE FOR CLEANING). VENT PIPES TO BE CONCEALED IN WALLS OR COLUMN CHASES. USE LOOP VENTS FOR ISLAND FIXTURES, AS ALLOWED BY LOCAL CODES. LINES ROUTED THROUGH EQUIPMENT SHALL NOT INTERFERE WITH THE INTENDED USE OF OR SERVICING OF EQUIPMENT. DRINKING FOUNTAINS ARE BY PLUMBING TRADES. VERIFY UTILITY REQUIREMENTS WITH PLUMBING ENGINEER. FLOOR DRAINS, FUNNEL FLOOR DRAINS, FLOOR SINKS, ETC. LOCATED AT FOOD PREP SINKS, POT WASHING SINKS, AND DISHMACHINES MUST HAVE REMOVABLE BASKETS TO CATCH FOOD PARTICLES. FLOOR TROUGH DRAINS MUST ALSO BE PROVIDED WITH REMOVABLE BASKETS AND TO BE INSTALLED FLUSH WITH THE FINISHED FLOOR. NO RAISED FLOOR SINKS SHALL BE INSTALLED. <p>PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL THE FOLLOWING:</p> <ul style="list-style-type: none"> ALL PLUMBING WORK, LABOR, AND MATERIAL REQUIRED TO CONNECT THIS EQUIPMENT IS TO BE FURNISHED BY PLUMBING CONTRACTOR UNLESS SPECIFICALLY CALLED FOR IN LAUNDRY DOCUMENTS. PLUMBING CONTRACTOR SHALL INCLUDE ROUGHING-IN TO POINTS INDICATED ON ROUGHING-IN PLANS, FINAL CONNECTIONS FROM ROUGH-IN POINTS TO EQUIPMENT REQUIRING THOSE CONNECTIONS, AND THE SUPPLYING OF ALL NECESSARY MATERIALS AND LABOR FOR THIS WORK EXCEPT AS HEREINAFTER NOTED. ALL WATER, WASTE, AND GAS SERVICE TO POINT OF ROUGH-IN AS SHOWN ON PLAN. ROUGH-IN OUTLETS TO STUB 4" OUT OF WALLS AT HEIGHT INDICATED FROM FINISHED FLOOR TO CENTERLINE OF SERVICE LINE. FLOOR ROUGH-INS TO STUB UP 3" ABOVE FINISHED FLOOR OR CURB. ALL FLOOR OPENINGS OR PENETRATIONS TO BE SEALED WATERTIGHT. FINAL CONNECTIONS TO EQUIPMENT, INCLUDING ALL MATERIALS (STOPS, LINE STRAINERS, TAILPIECES, VALVES, FILTERS, TRAPS, CHECK VALVES, PIPING OR SUPPLY AND WASTE LINES GAS PIPING WITH INDIVIDUAL SHUT-OFF VALVES AND INTERMEDIATE REGULATORS AS REQUIRED.) TO REDUCE INCOMING BUILDING PRESSURE TO LEVEL SUITABLE FOR EQUIPMENT. AUCETS, OR AS OTHERWISE NOTED IN ALL LAUNDRY AREAS. FLOOR SINKS, COMPLETE WITH TOP GRATES AND REMOVABLE SEDIMENT BUCKETS. FIXTURES TO BE SET FLUSH WITH FINISHED FLOOR, EXCEPT AS OTHERWISE NOTED. WASTE LINES, DIRECT OR INDIRECT, EXCEPT AS OTHERWISE NOTED. MINIMUM DIAMETER OF LINE SHALL BE AS INDICATED ON PLAN REGARDLESS OF CONNECTION, AND SHALL BE PITCHED DOWNWARD. MAINTAIN DRAIN LINES AS HIGH AS POSSIBLE (MINIMUM 6" CLEAR ABOVE FINISHED FLOOR) FOR SANITATION AND CLEANING. WASTE LINES SHALL HAVE ADEQUATE CLEAN-OUT PROVISIONS PER LOCAL CODES. REQUIRED GREASE INTERCEPTORS, OUTSIDE THE BUILDING WHERE POSSIBLE. INDOOR GREASE INTERCEPTORS ARE TO BE RECESSED, FLUSH WITH THE TOP OF THE FINISHED FLOOR (UNLESS SPECIFIED OTHERWISE) AND REMOVAL OF COVER SHALL NOT INTERFERE WITH THE OPERATION OF FOODSERVICE EQUIPMENT. STRICT COORDINATION WITH EQUIPMENT AND LOCAL CODES REQUIRED IF GREASE INTERCEPTOR IS TO BE SET ABOVE THE FLOOR OR UNDER EQUIPMENT. VACUUM BREAKERS AS REQUIRED BY LOCAL, STATE, AND NATIONAL CODES. ITEMS NOT FURNISHED AS A STANDARD PART OF THE EQUIPMENT BY THE MANUFACTURER. FAUCETS PROVIDED BY FOODSERVICE/LAUNDRY EQUIPMENT CONTRACTOR AND FURNISHED LOOSE AS STANDARD BY EQUIPMENT MANUFACTURERS ARE TO BE MOUNTED AND PLUMBED COMPLETE UNDER THE PLUMBING CONTRACT.

LAUNDRY ELECTRICAL NOTES
<ul style="list-style-type: none"> THIS ELECTRICAL PLAN AND COORDINATING SCHEDULE IS INTENDED TO SHOW ROUGH-IN LOCATIONS AND HEIGHTS, CONNECTION TYPES, POSITIONS, FIXTURE TYPES, AND LOAD REQUIREMENTS FOR LAUNDRY EQUIPMENT SPECIFIED AND SCHEDULED FOR REUSE. THIS ELECTRICAL PLAN IS INTENDED TO SHOW ELECTRICAL REQUIREMENTS AND APPROXIMATE ROUGH-IN LOCATIONS ONLY. DO NOT USE FOR ACTUAL ROUGHING-IN. FOR FINAL ROUGH-IN LOCATIONS, SEE DIMENSIONED PLANS PROVIDED BY LAUNDRY EQUIPMENT CONTRACTOR. UTILITY REQUIREMENTS INDICATED ARE TO SERVE AS A REFERENCE TO THE LICENSED PROFESSIONAL ARCHITECT AND/OR ENGINEERS IN THE PREPARATION OF THEIR RESPECTIVE BID AND CONSTRUCTION DOCUMENTS. NO ARCHITECTURAL OR ENGINEERING DESIGN SERVICES ARE INTENDED OR ASSUMED. SEE ELECTRICAL ENGINEER/ARCHITECT'S DRAWINGS FOR ADDITIONAL INFORMATION. PRIOR TO EQUIPMENT INSTALLATION, THE LAUNDRY EQUIPMENT CONTRACTOR SHALL CHECK UTILITY ROUGH-IN LOCATIONS, COORDINATE FIELD CONDITIONS, AND CALL TO THE ATTENTION OF THE GENERAL CONTRACTOR ANY DISCREPANCIES BETWEEN THE LAUNDRY UTILITY PLANS, THE EQUIPMENT SPECIFIED, AND THE ROUGH-INS AS THEY OCCUR IN THE FIELD. SHOULD DISCREPANCIES OCCUR, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE LAUNDRY CONSULTANT AND/OR PROJECT ARCHITECT/ENGINEER FOR THE CONFLICT TO BE CLARIFIED IN AN OFFICIAL REQUEST FOR INFORMATION. ELECTRICAL LOADS ARE BASED ON MANUFACTURER'S INFORMATION. MINIMUM CIRCUIT AMPACITY AND OVERCURRENT PROTECTION TO BE DETERMINED BY CODE REQUIREMENTS AND/OR MANUFACTURER'S DIRECTIONS. EXPOSED UTILITY LINES AND PIPES SHALL BE INSTALLED IN A WAY THAT DOES NOT OBSTRUCT OR PREVENT THE CLEANING OF FLOORS, WALLS, AND CEILING AREAS (2 INCHES OFF WALLS AND 6 INCHES MINIMUM OFF FLOORS). ELECTRICAL ENGINEER TO BE RESPONSIBLE FOR ALL CONCERNS AND ARRANGEMENTS REGARDING PENETRATIONS INTO THE FLOOR AND WALL. BUILDING OWNER TO APPROVE PRIOR TO CONSTRUCTION. ELECTRICAL ENGINEER TO LOCATE RECEPTACLES IN STORAGE AREA AS REQUIRED BY LOCAL BUILDING CODE. ELECTRICAL COMPONENTS MUST NOT INTERFERE WITH THE OPERATION OF LAUNDRY EQUIPMENT. IT IS THE RESPONSIBILITY OF THE ELECTRICIAN TO REVIEW THE MANUFACTURERS' INSTALLATION INSTRUCTIONS AND ELECTRICAL REQUIREMENT ELECTRICAL CONNECTIONS. SOME MAY REQUIRE MULTIPLE CONNECTIONS. <p>ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL THE FOLLOWING:</p> <ul style="list-style-type: none"> ELECTRICAL ROUGH-IN ALL ELECTRICAL WORK, LABOR, AND MATERIAL REQUIRED TO CONNECT THIS EQUIPMENT IS TO BE FURNISHED BY ELECTRICAL CONTRACTOR UNLESS SPECIFICALLY CALLED FOR IN LAUNDRY DOCUMENTS. ELECTRICAL CONTRACTOR SHALL INCLUDE ROUGHING-IN TO POINTS INDICATED ON ROUGHING-IN PLANS, FINAL CONNECTIONS FROM ROUGH-IN POINTS TO EQUIPMENT REQUIRING THOSE CONNECTIONS, AND THE SUPPLYING OF ALL NECESSARY MATERIALS AND LABOR FOR THIS WORK EXCEPT AS HEREINAFTER NOTED. ELECTRICAL BUILDING SERVICES INCLUDING BUT NOT LIMITED TO CONDUIT, WIRING, LINE AND DISCONNECT SWITCHES, SAFETY CUTOFFS AND FITTINGS, CONTROL PANELS, FUSES, BOXES AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION (EXCEPT INTERNAL WIRING AS SPECIFIED OR INDICATED OTHERWISE ON DRAWINGS). FINAL ELECTRICAL CONNECTIONS TO EQUIPMENT SHALL BE BY THE ELECTRICAL CONTRACTOR, INCLUDING ALL REQUIRED MATERIALS (SUCH AS LINE AND DISCONNECT SWITCHES, SAFETY CUTOFFS, CONTROL PANELS, FUSE BOXES OR OTHER ELECTRICAL CONTROLS, FITTINGS, CONDUITS AND CONNECTIONS). ITEMS NOT FURNISHED AS A STANDARD PART OF THE EQUIPMENT BY THE MANUFACTURER ARE TO BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. STARTING SWITCHES PROVIDED BY LAUNDRY EQUIPMENT CONTRACTOR AND FURNISHED LOOSE AS A STANDARD BY THE EQUIPMENT MANUFACTURER ARE TO BE MOUNTED AND WIRED COMPLETE UNDER THE ELECTRICAL CONTRACT. FINAL CONNECTIONS, INCLUDING MOUNTING AND WIRING OF STARTERS AND SWITCHES FURNISHED AS PART OF THE LAUNDRY EQUIPMENT (UNLESS OTHERWISE INDICATED ON DRAWINGS). JUNCTION BOXES, ELECTRICAL OUTLETS, COVER PLATES, SWITCHES, ETC. NOT BUILT INTO FIXTURES OR EQUIPMENT. ALL RECEPTACLES, COVER PLATES, ETC. IN LAUNDRY AREAS SHALL BE MOISTURE PROOF. ELECTRICIAN TO PROVIDE BRUSHED STAINLESS STEEL COVER PLATES AT ALL SERVICE AND CONVENIENCE OUTLETS. PLUGS AND CORDS THAT ARE NEMA RATED AND UL APPROVED FOR MANUFACTURER AND FABRICATED EQUIPMENT. GFI RECEPTACLES AS REQUIRED BY LOCAL, STATE, AND NATIONAL CODES. DISCONNECTS OR OTHER DEVICES AS MAY BE REQUIRED BY LOCAL, STATE, AND NATIONAL CODES. <p>WHEN APPLICABLE, THE ELECTRICAL CONTRACTOR SHALL PROVIDE CIRCUIT AND WIRING, INSTALL ELECTRICAL COMPONENTS (PROVIDED BY THE LAUNDRY EQUIPMENT CONTRACTOR), AND INTERWIRE BETWEEN THE FOLLOWING:</p> <ul style="list-style-type: none"> WASHER/EXTRACTORS AND DRYERS SHALL BE FURNISHED BY LAUNDRY EQUIPMENT CONTRACTOR PRE-WIRED TO INTEGRAL CONTROL PANEL AND READY FOR FINAL CONNECTION BY ELECTRICAL CONTRACTOR.

LAUNDRY VENTILATION NOTES
<ul style="list-style-type: none"> THIS VENTILATION PLAN AND COORDINATING SCHEDULE IS INTENDED TO SHOW VENTILATION LOCATIONS, CONNECTION TYPES, AND LOAD REQUIREMENTS FOR LAUNDRY EQUIPMENT SPECIFIED AND SCHEDULED FOR REUSE. THIS VENTILATION PLAN IS INTENDED TO SHOW VENTILATION REQUIREMENTS AND APPROXIMATE LOCATIONS ONLY. DO NOT USE FOR ACTUAL ROUGHING-IN. FOR FINAL ROUGH-IN LOCATIONS, SEE DIMENSIONED PLANS PROVIDED BY LAUNDRY EQUIPMENT CONTRACTOR. UTILITY REQUIREMENTS INDICATED ARE TO SERVE AS A REFERENCE TO THE LICENSED PROFESSIONAL ARCHITECT AND/OR ENGINEERS IN THE PREPARATION OF THEIR RESPECTIVE BID AND CONSTRUCTION DOCUMENTS. NO ARCHITECTURAL OR ENGINEERING DESIGN SERVICES ARE INTENDED OR ASSUMED. SEE ELECTRICAL ENGINEER/ARCHITECT'S DRAWINGS FOR ADDITIONAL INFORMATION. PRIOR TO EQUIPMENT INSTALLATION, THE LAUNDRY EQUIPMENT CONTRACTOR SHALL CHECK UTILITY ROUGH-IN LOCATIONS, COORDINATE FIELD CONDITIONS, AND CALL TO THE ATTENTION OF THE GENERAL CONTRACTOR ANY DISCREPANCIES BETWEEN THE LAUNDRY UTILITY PLANS, THE EQUIPMENT SPECIFIED, AND THE ROUGH-INS AS THEY OCCUR IN THE FIELD. SHOULD DISCREPANCIES OCCUR, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE LAUNDRY/FOODSERVICE CONSULTANT AND/OR PROJECT ARCHITECT/ENGINEER FOR THE CONFLICT TO BE CLARIFIED IN AN OFFICIAL REQUEST FOR INFORMATION. GENERAL CONTRACTOR TO PROVIDE FINISHED SHAFTS AND OPENING THROUGH THE CEILING AND ROOF FOR EXHAUST AND MAKE-UP AIR DUCTS. OPENINGS AND SHAFTS TO BE SIZED AND LOCATED PER EQUIPMENT FLOOR PLAN AND ROUTED TO ALLOW FOR A MINIMUM OF TURNS AND CHANGES OF DIRECTION. SHAFTS AND OPENINGS FOR EXHAUST DUCTS TO BE CONSTRUCTED TO HAVE A MINIMUM TWO HOUR FIRE RATING, OR AS REQUIRED BY THE GOVERNING AUTHORITIES. ROOF PENETRATION(S) FOR EXHAUST AIR DUCT(S) TO BE FURNISHED WITH A CURB WITH ROOFING MATERIAL COVERED UP THE FACE AND ONLY THE TOP SURFACES WEATHERPROOFING. CURB HEIGHT TO BE A MINIMUM OF 6" HIGH, BUT IN ALL CASES HIGH ENOUGH TO MAKE THE DISCHARGE HEIGHT OF EXHAUST FAN(S) A MINIMUM OF 42" ABOVE THE FINISHED ROOF OR AS REQUIRED BY GOVERNING AUTHORITIES. GENERAL CONTRACTOR TO WEATHERPROOF ALL ROOF OPENINGS. ROOF PENETRATION(S) FOR MAKE-UP AIR DUCT(S) TO BE FURNISHED SIMILAR TO EXHAUST AIR DUCT PENETRATION(S). CURB FOR MAKE-UP AIR UNITS SHALL BE HIGH ENOUGH TO ALLOW 18" MINIMUM CLEARANCE BELOW ANY INTAKE AIR EXTENSIONS THAT BE REQUIRED. ELECTRICAL CONTRACTOR TO PROVIDE POWER ON ROOF FOR THE CONNECTION OF ALL EXHAUST AND MAKE-UP AIR SYSTEM COMPONENTS. FURNISH NON-FUSED DISCONNECT SWITCHES FOR EACH UNIT SO THAT EACH PIECE OF EQUIPMENT CAN BE INDEPENDENTLY SWITCHED OFF ON THE ROOF. ALL ELECTRICAL LINES, CONNECTIONS, AND SWITCHES ON ROOF MUST BE WEATHERPROOFED. THIS WORK TO BE DONE BY THE ELECTRICAL CONTRACTOR UNDER THEIR CONTRACT WITH THE GENERAL CONTRACTOR. LAUNDRY EQUIPMENT CONTRACTOR TO FURNISH MAGNETIC STARTERS AND THERMO-OVERLOAD PROTECTION FOR UNITS UNDER THEIR CONTRACT. PLUMBING CONTRACTOR TO PROVIDE WATER LINES, GAS LINES, AND NECESSARY DRAIN LINES ON ROOF AND CONNECT TO ALL MAKE-UP AIR SYSTEM COMPONENTS AS REQUIRED FOR PROPER OPERATION OF UNITS. PLUMBER TO FURNISH READILY ACCESSIBLE SHUT-OFF VALVES IN GAS LINES TO EACH DUCT FURNACE. ALL PIPING ON ROOF TO BE RUN WITH A MINIMUM OF 18" CLEARANCE BETWEEN PIPING AND FINISHED ROOF SURFACE. THIS WORK TO BE DONE BY THE PLUMBER UNDER THEIR CONTRACT WITH THE GENERAL CONTRACTOR. ALL WORK TO BE ACCOMPLISHED AS REQUIRED BY GOVERNING AUTHORITIES.

LAUNDRY SPECIAL CONDITIONS NOTES
<ul style="list-style-type: none"> THIS SPECIAL CONDITIONS PLAN AND COORDINATING INFORMATION IS INTENDED TO HIGHLIGHT ARCHITECTURAL REQUIREMENTS FOR THE KITCHEN, THE LAUNDRY EQUIPMENT SPECIFIED, AND THE EQUIPMENT SCHEDULED FOR REUSE. THIS SPECIAL CONDITIONS PLAN IS INTENDED TO SHOW ARCHITECTURAL REQUIREMENTS AND APPROXIMATE LOCATIONS ONLY. SPECIAL REQUIREMENTS INDICATED ARE TO SERVE AS A REFERENCE TO THE LICENSED PROFESSIONAL ARCHITECT AND/OR ENGINEERS IN THE PREPARATION OF THEIR RESPECTIVE BID AND CONSTRUCTION DOCUMENTS. NO ARCHITECTURAL OR ENGINEERING DESIGN SERVICES ARE INTENDED OR ASSUMED. SEE ARCHITECT'S DRAWINGS FOR ADDITIONAL INFORMATION. PRIOR TO EQUIPMENT INSTALLATION, THE LAUNDRY EQUIPMENT CONTRACTOR SHALL COORDINATE FIELD CONDITIONS, AND CALL TO THE ATTENTION OF THE GENERAL CONTRACTOR ANY DISCREPANCIES BETWEEN THE LAUNDRY PLANS, THE EQUIPMENT SPECIFIED, AND THE ROUGH-INS AS THEY OCCUR IN THE FIELD. SHOULD DISCREPANCIES OCCUR, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE LAUNDRY/FOODSERVICE CONSULTANT AND/OR PROJECT ARCHITECT/ENGINEER FOR THE CONFLICT TO BE CLARIFIED IN AN OFFICIAL REQUEST FOR INFORMATION. WALL BLOCKING TO BE 3/4" FIRE RETARDANT PLYWOOD OR 16 GA. GALVANIZED METAL BY GENERAL CONTRACTOR.

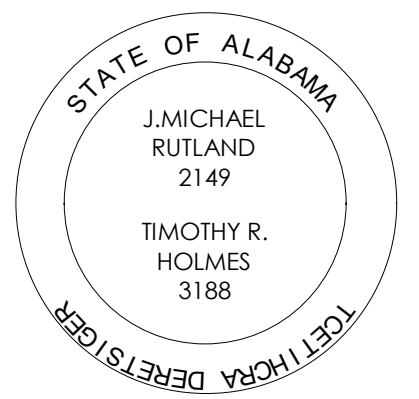
ABBREVIATIONS			
AFD	AREA FLOOR DRAIN	FS	FLOOR SINK
AFF	ABOVE FINISHED FLOOR	FW	FILTERED WATER
BTC	BRANCH TO CONNECTION	GPH	GALLONS PER HOUR
BTD	BRANCH TO DRAIN	HW	HOT WATER
CONV	CONVENIENCE OUTLET	IW	INDIRECT WASTE
CONN.	CONNECTION	NO.	NUMBER
CW	COLD WATER	OC	OUT OF CEILING
CWR	CHILLED WATER RETURN	OF	OUT OF FLOOR
CWS	CHILLED WATER SUPPLY	OR	OUT OF ROOF
DIA.	DIAMETER	OW	OUT OF WALL
DW	DIRECT WASTE	QTY	QUANTITY
ELEC.	ELECTRICAL	S.P.	STATIC PRESSURE
FFD	FUNNEL FLOOR DRAIN	TEMP.	TEMPERATURE

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CHOCTAW COUNTY JAIL BUTLER, ALABAMA

camacho

CONSTRUCTION DOCUMENTS

Project Number: 22-1189

Date: 05-30-2024

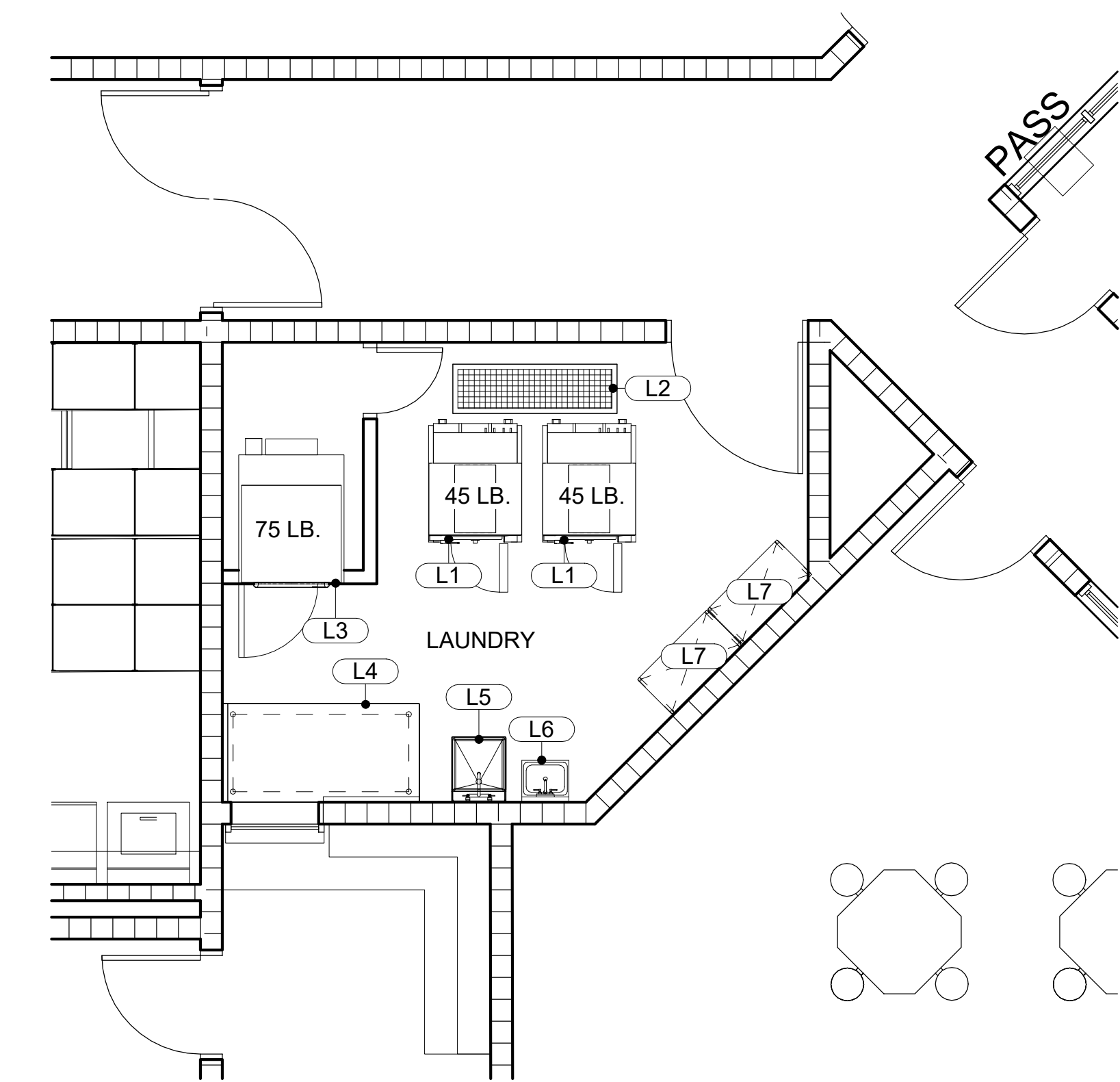
Revisions:

Sheet Description

LAUNDRY EQUIPMENT GENERAL NOTES

Sheet Number

LE0.0



1 LE1.1 LE - EQUIPMENT PLAN
1/4" = 1'-0"

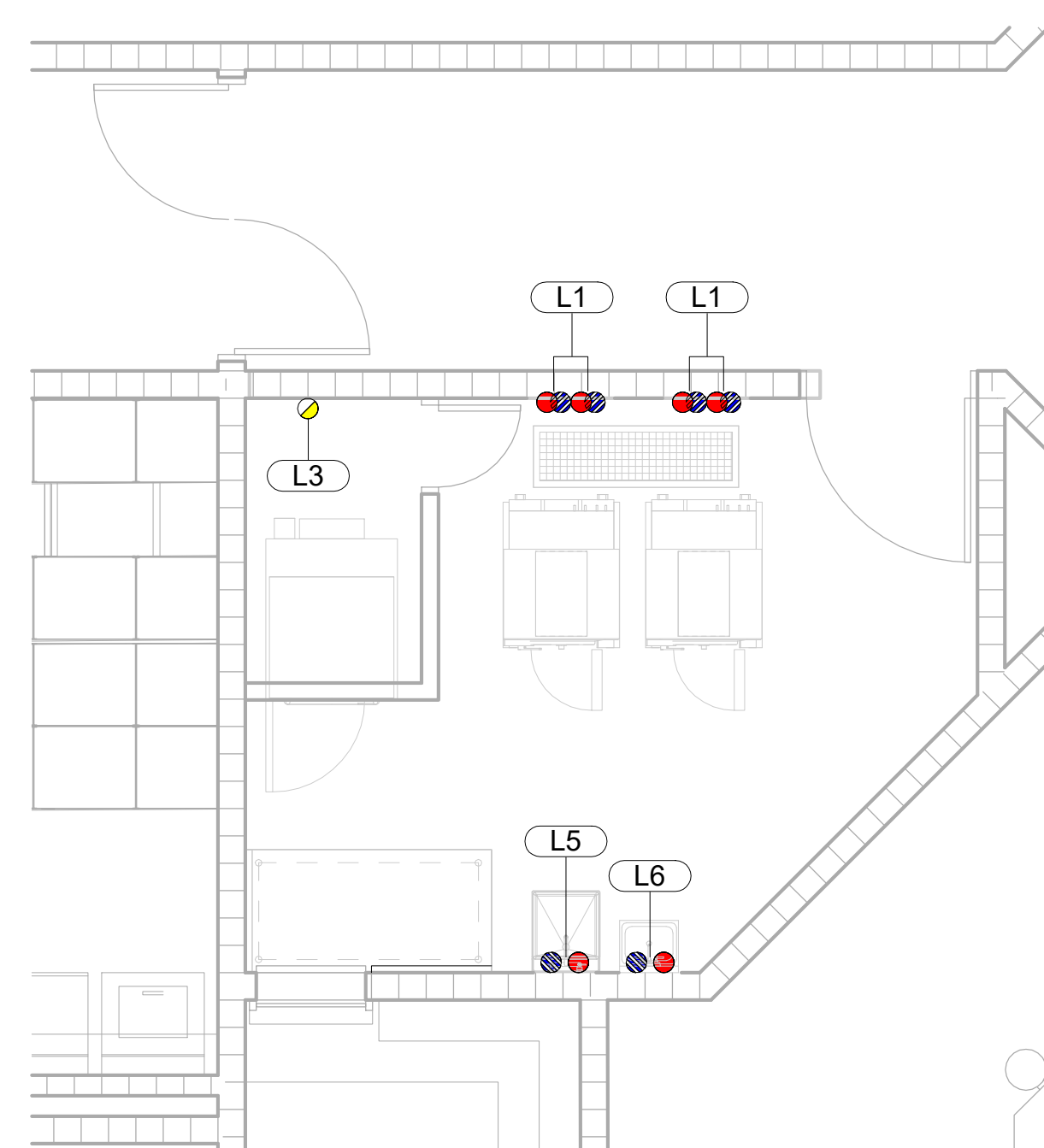
LAUNDRY EQUIPMENT SCHEDULE																							
ITEM NO	QTY	DESCRIPTION	MANUFACTURER	MODEL	EQUIPMENT REMARKS	AMPS	VOLTS	PHASE	CONN. TYPE	CW SIZE	CW AFF	HW SIZE	HW AFF	DW SIZE	DW AFF	IW SIZE	GAS SIZE	GAS MBTU/H	PLUMBING REMARKS	EXHAUST SIZE	EXHAUST CFM	ITEM NO	
L1	2	45 LB. WASHER/EXTRACTOR	UNIMAC	UWT045V		36	480	3	DIRECT	3/4"	54"	3/4"	54"			3"			(2) HOT / (2) COLD WATER CONNECTIONS			L1	
L1.1	2	WASHER EXTRACTOR - CONTINUED								3/4"	54"	3/4"	54"									L1.1	
L2	1	DRAIN TROUGH W/LINT SCREEN	BY PLUMBER											8"	0"				PROVIDED BY G.C.			L2	
L3	1	75 LB. TUMBLE DRYER	UNIMAC	UT075N		3	480	3	DIRECT									1/2"	165		8"	800	L3
L4	1	WORKTABLE	ATLANTA CUSTOM FABRICATORS	WT																			L4
L5	1	LAUNDRY SINK	MUSTEE	19F						1/2"	16"	1/2"	16"	1 1/2"	14"								L5
L6	1	HAND SINK	ADVANCE TABCO	7-PS-66	EYE WASH ATTACHMENT					1/2"	16"	1/2"	16"	1 1/2"	14"								L6
L7	2	LAUNDRY STORAGE SHELVING	QUANTUM	1836P	4-TIER, 74" POST, CASTERS																		L7

PLUMBING LEGEND	
	COLD WATER
	HOT WATER
	GAS CONNECTION

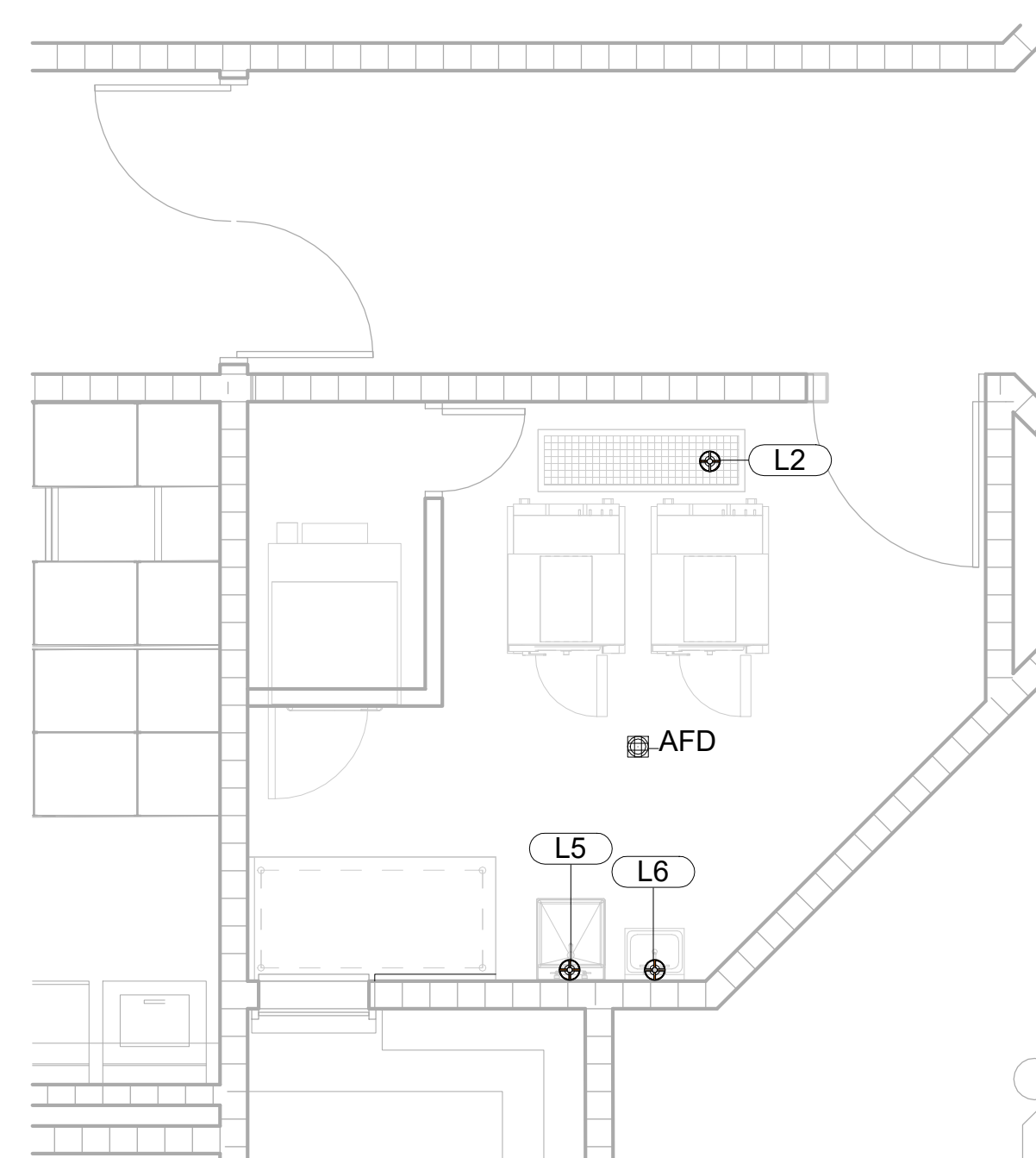
SLAB PENETRATION LEGEND	
	FLOOR TROUGH
	DIRECT DRAIN CONNECTION
	AREA FLOOR DRAIN (AFD)

ELECTRICAL LEGEND	
	JUNCTION BOX WALL-MOUNTED
	CONVENIENCE OUTLET - 16A/120/1
	ELECTRICAL WIRING

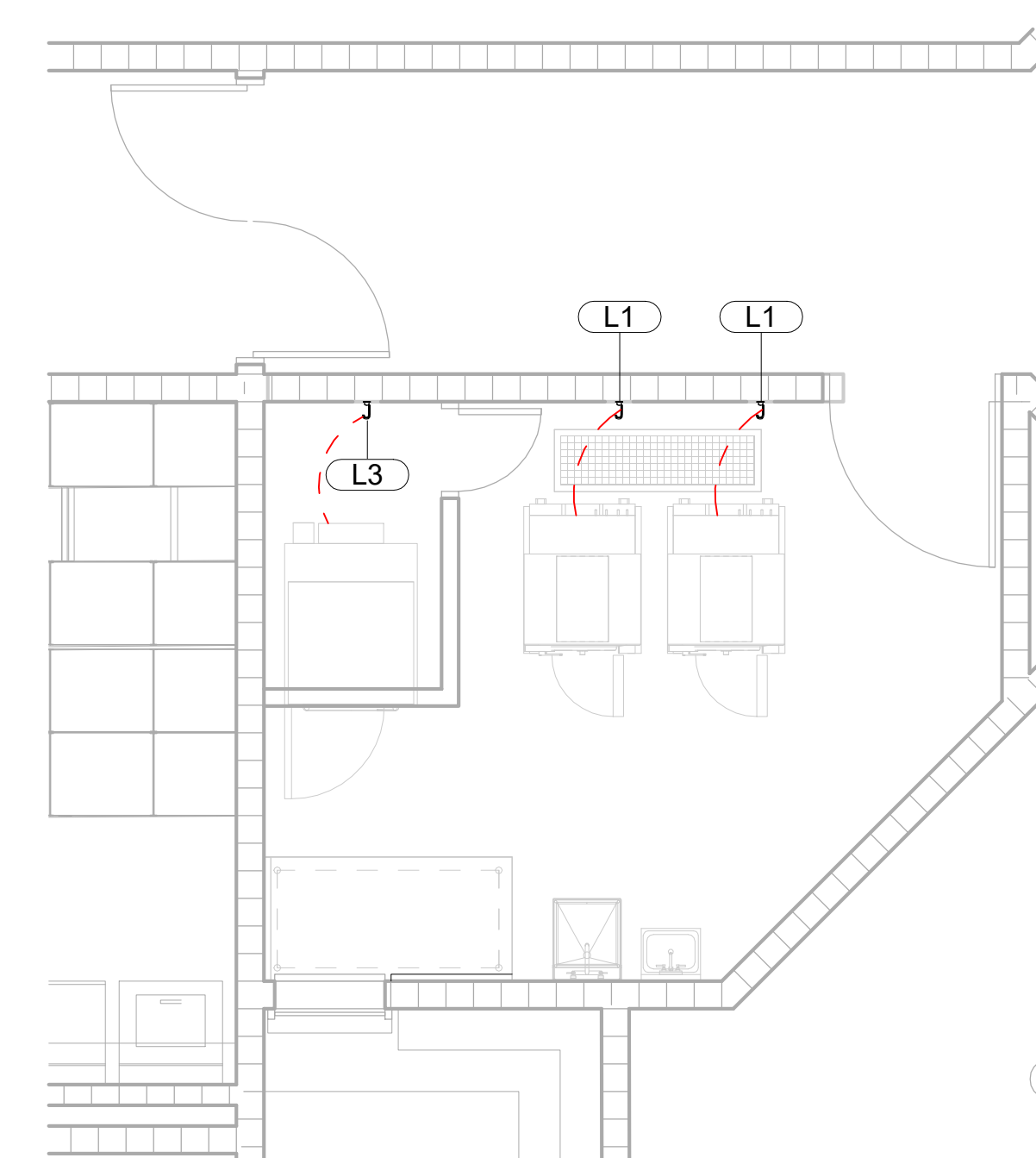
SPECIAL CONDITIONS LEGEND	
	ROUND EXHAUST CONNECTION
	6" DEEP DRAIN TROUGH
	LEVEL REINFORCED FLOOR



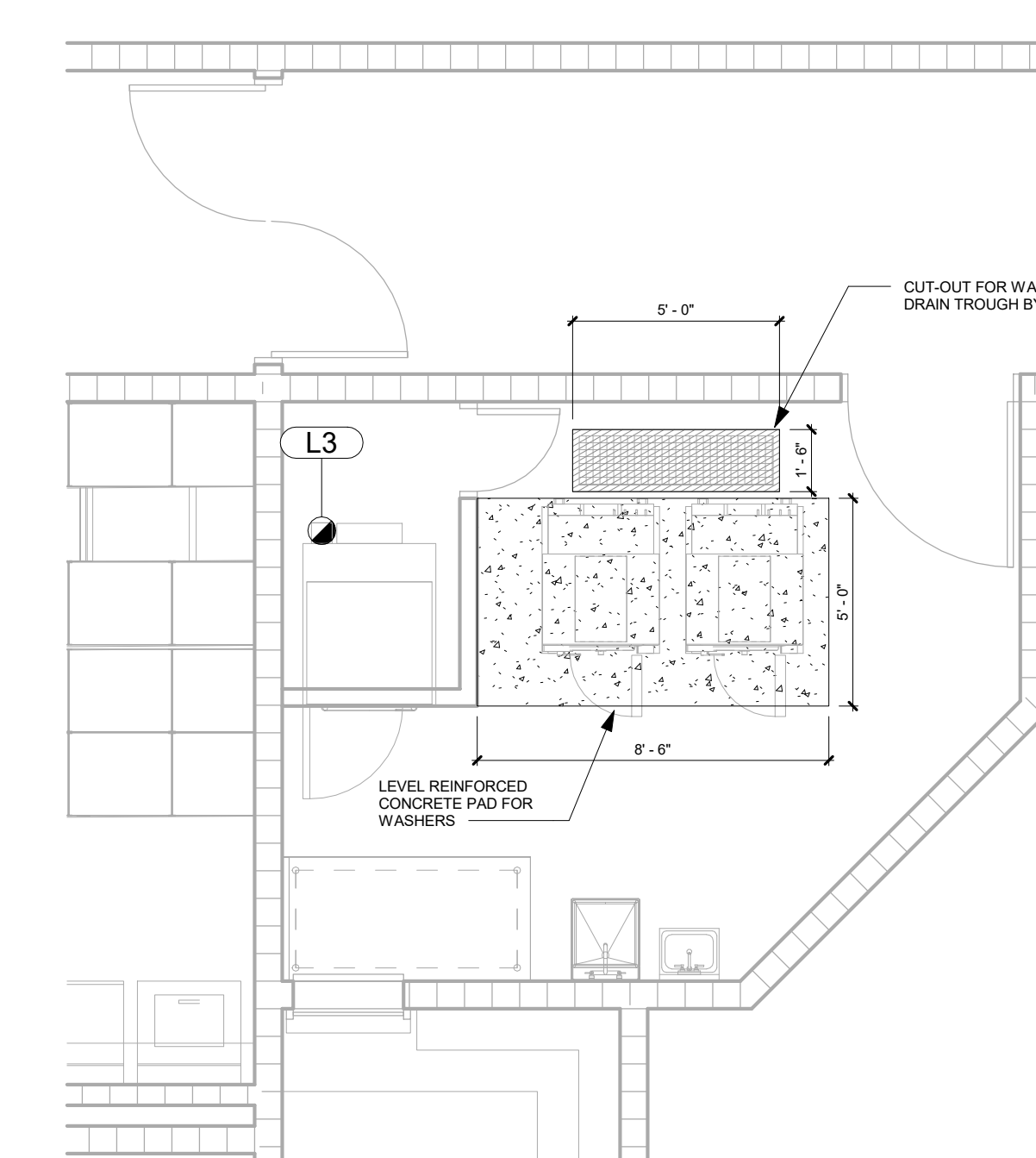
2 LE1.1 LE - PLUMBING SUPPLY PLAN
1/4" = 1'-0"



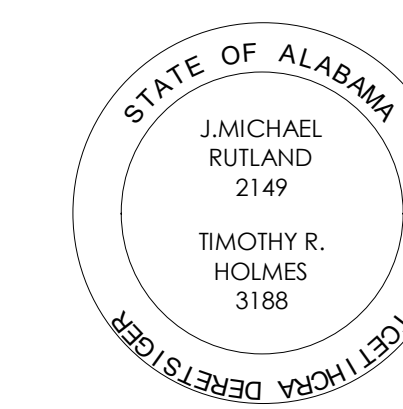
3 LE1.1 LE - PLUMBING DRAIN PLAN
1/4" = 1'-0"



4 LE1.1 LE - ELECTRICAL PLAN
1/4" = 1'-0"



5 LE1.1 LE - SPECIAL CONDITIONS PLAN
1/4" = 1'-0"



**CHOCTAW COUNTY JAIL
BUTLER,
ALABAMA**



CONSTRUCTION DOCUMENTS

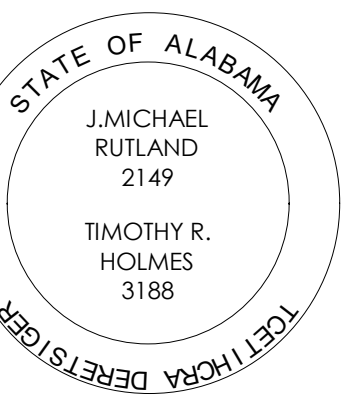
Project Number: 22-1189
Date: 05-30-2024
Revisions:

Sheet Description

LAUNDRY EQUIPMENT PLAN

Sheet Number

LE1.1



CHOCTAW
COUNTY JAIL
BUTLER,
ALABAMA

camacho

CONSTRUCTION
DOCUMENTS

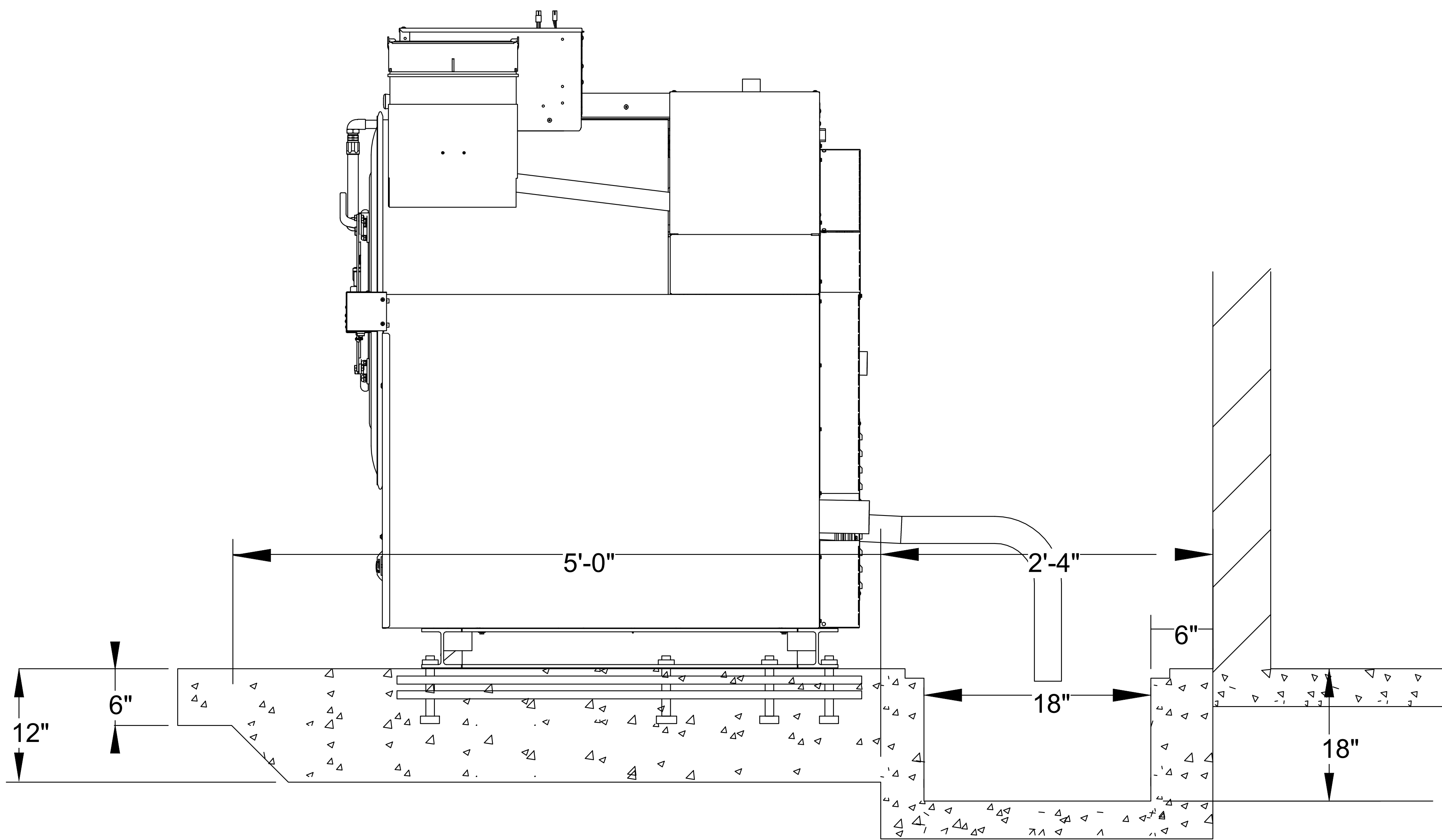
Project Number: 22-1189
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Revisions:

Sheet Description

LAUNDRY
EQUIPMENT
DETAILS

Sheet Number

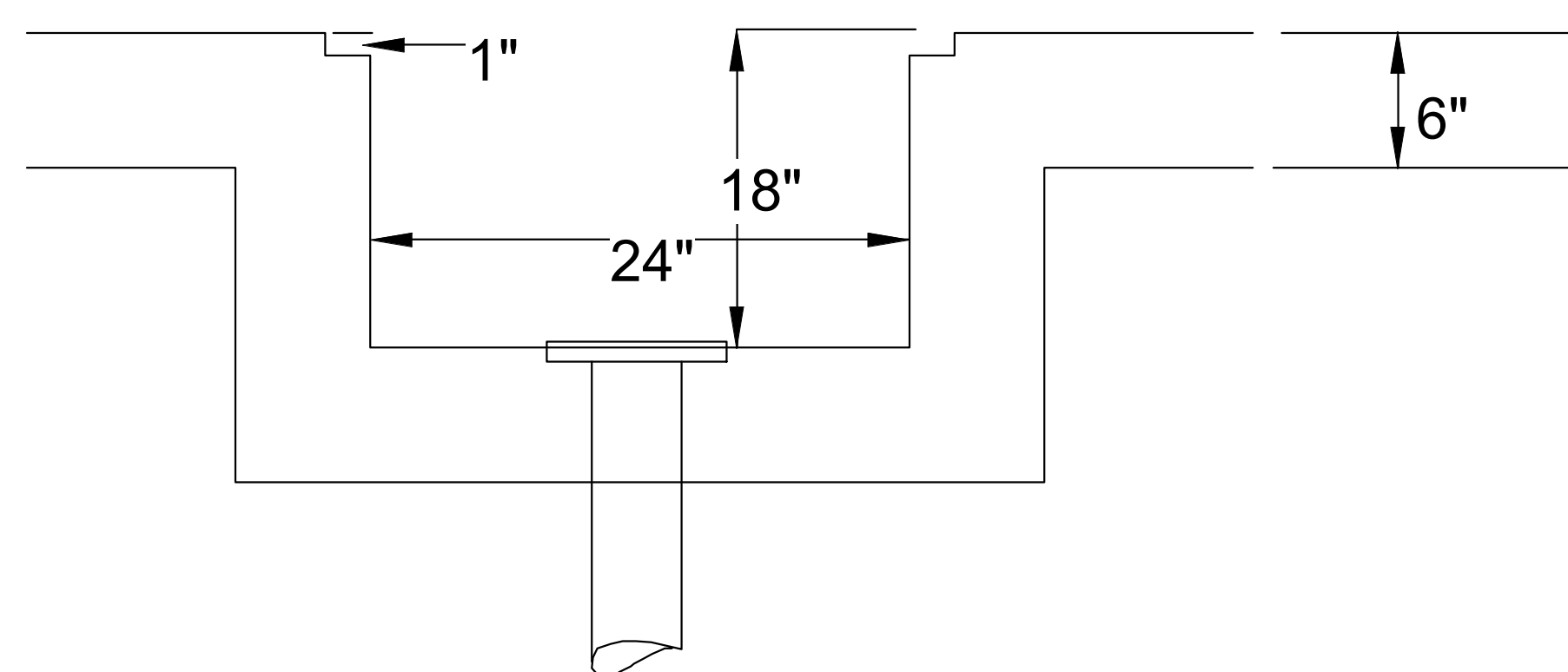
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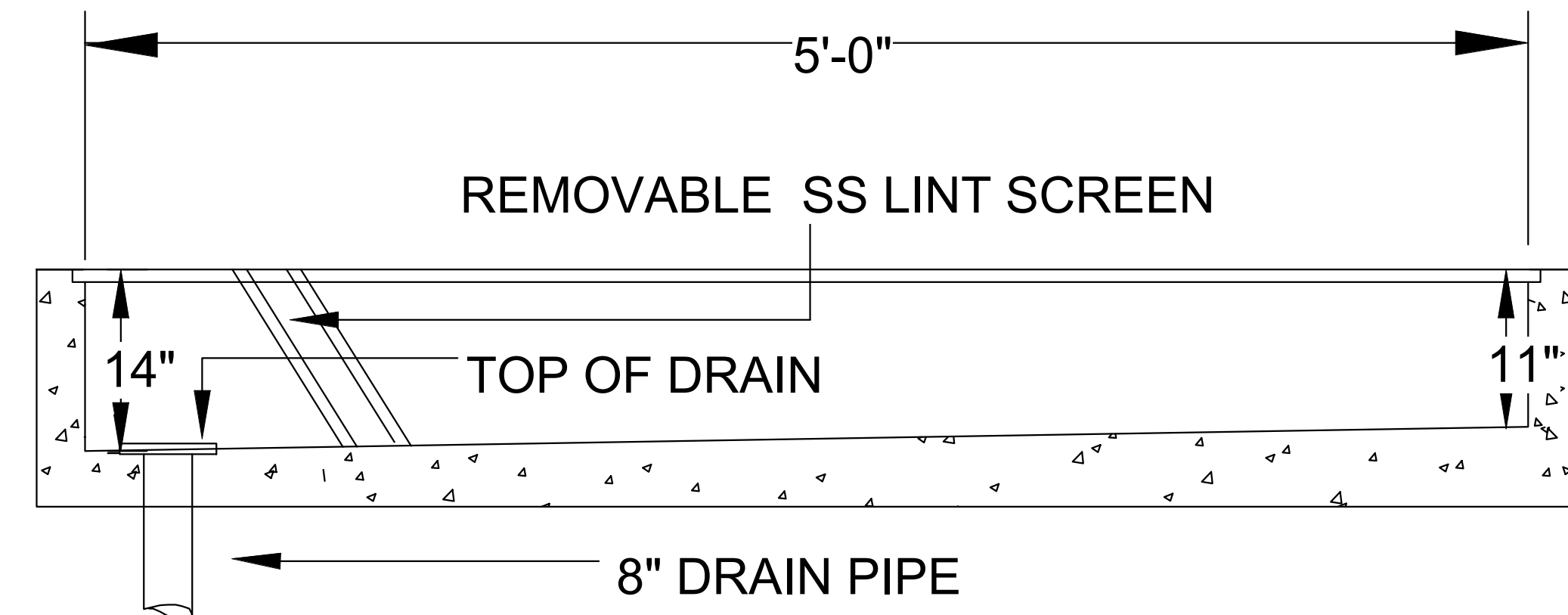
THE CONTRACTOR SHALL VERIFY WITH THE EQUIPMENT SUPPLIER AND MANUFACTURER FOR INSTALLATION REQUIREMENTS FOR THE WASHER/EXTRACTOR, INCLUDING PAD, BOLTS, FRAMING, ETC.

TYPICAL SECTION OF CONCRETE PAD AT WASHER

DRAINS FROM WASHERS TO BE DIRECTED INTO TROUGH BEFORE LINT SCREENS.



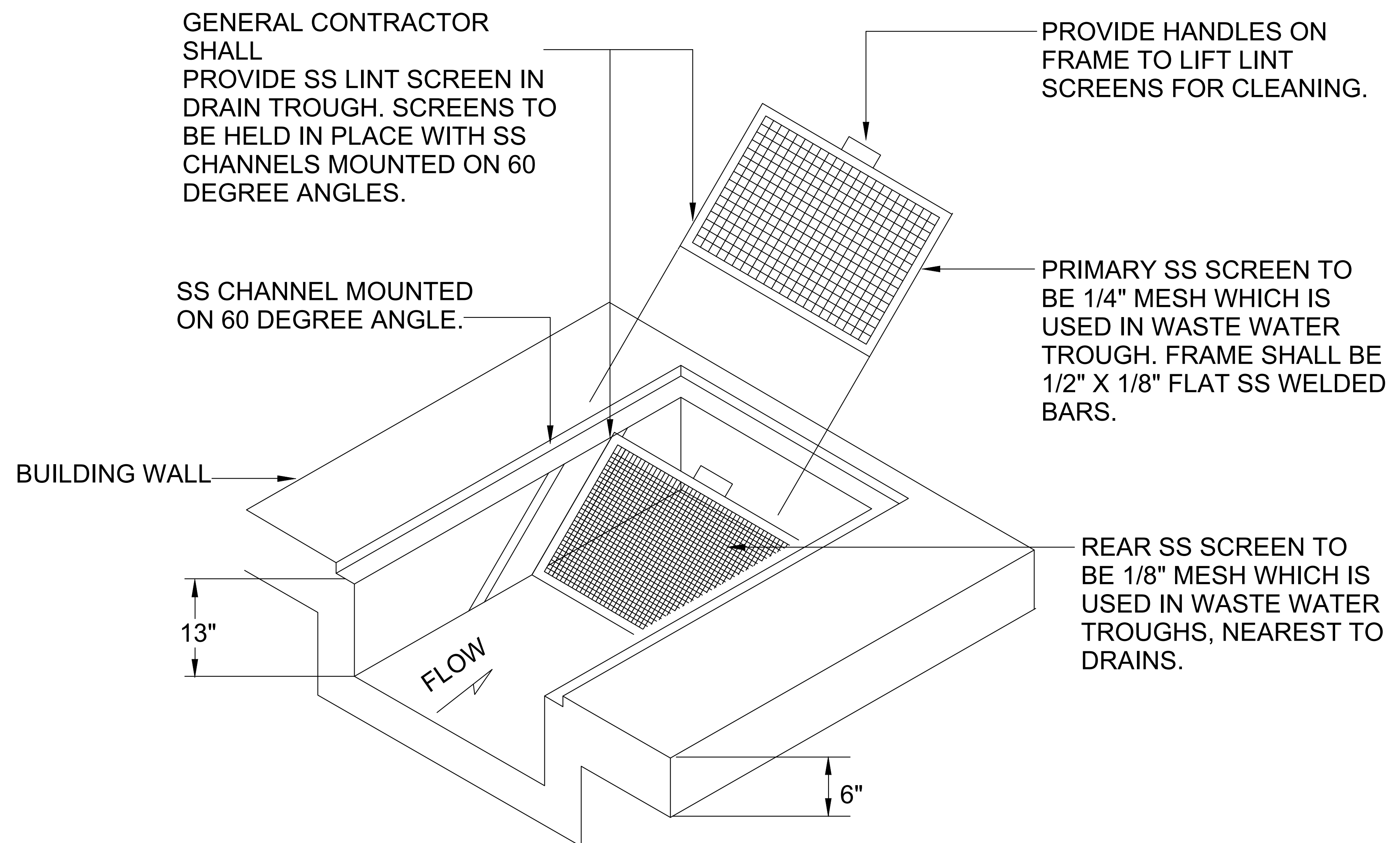
TYPICAL SECTION OF DRAINAGE TROUGH



TYPICAL SECTION OF DRAINAGE TROUGH

GENERAL CONTRACTOR SHALL PROVIDE SS LINT SCREEN IN DRAIN TROUGH. SCREENS TO BE HELD IN PLACE WITH SS CHANNELS MOUNTED ON 60 DEGREE ANGLES.

SS CHANNEL MOUNTED ON 60 DEGREE ANGLE.



TYPICAL LINT SCREEN DETAIL

PROVIDE HANDLES ON FRAME TO LIFT LINT SCREENS FOR CLEANING.

PRIMARY SS SCREEN TO BE 1/4" MESH WHICH IS USED IN WASTE WATER TROUGH. FRAME SHALL BE 1/2" X 1/8" FLAT SS WELDED BARS.

REAR SS SCREEN TO BE 1/8" MESH WHICH IS USED IN WASTE WATER TROUGHS, NEAREST TO DRAINS.

GENERAL STRUCTURAL NOTES

- GENERAL**
- NO PROVISION OF ANY REFERENCED STANDARD SPECIFICATION MANUAL OR CODE (WHETHER OR NOT SPECIFICALLY INCORPORATED BY REFERENCE IN THE CONTRACT DOCUMENTS) SHALL BE EFFECTIVE TO CHANGE THE DUTIES AND RESPONSIBILITIES OF OWNER, CONTRACTOR, ENGINEER, OR SUPPLIER OR ANY OF THEIR CONSULTANTS, AGENTS OR EMPLOYEES FROM THOSE SET FORTH IN THE CONTRACT DOCUMENTS, NOR SHALL IT BE EFFECTIVE TO ASSIGN TO THE STRUCTURAL ENGINEER OF RECORD OR ANY OF THE STRUCTURAL ENGINEER OF RECORD'S CONSULTANTS, AGENTS OR EMPLOYEES ANY DUTY OR AUTHORITY TO SUPERVISE OR DIRECT THE FURNISHING OR PERFORMANCE OF THE WORK OR AUTHORITY TO UNDERTAKE RESPONSIBILITIES CONTRARY TO THE PROVISIONS OF THE CONTRACT DOCUMENTS.
 - THE GENERAL CONTRACTOR SHALL VERIFY THE DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK. THE ARCHITECT/STRUCTURAL ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCY.
 - MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE 2018 INTERNATIONAL BUILDING CODE.
 - THE CONTRACTOR SHALL COORDINATE THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND OTHER TRADES WITH THE STRUCTURAL CONTRACT DOCUMENTS. ARCHITECT/STRUCTURAL ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES OR OMISSIONS.
 - THE CONTRACTOR SHALL VERIFY THE FLOOR AND ROOF MOUNTED MECHANICAL EQUIPMENTS WEIGHTS, FLOOR AND/OR ROOF SUPPORT SIZES AND LOCATIONS WITH ARCHITECTURAL, STRUCTURAL, AND MECHANICAL DRAWINGS.
 - THE CONTRACTOR SHALL NOTIFY IN WRITING THE STRUCTURAL ENGINEER OF RECORD OF CONDITIONS ENCOUNTERED IN THE FIELD CONTRADICTORY TO THOSE SHOWN ON THE STRUCTURAL CONTRACT DOCUMENTS.
 - FOR DIMENSIONS NOT SHOWN ON THE STRUCTURAL CONTRACT DOCUMENTS SEE THE ARCHITECTURAL.
 - STRUCTURAL CONTRACT DRAWINGS SHALL NOT INCLUDE SHOP DRAWINGS, VENDOR DRAWINGS OR ANY MATERIAL PREPARED AND SUBMITTED BY THE CONTRACTOR OR SUBCONTRACTOR.
 - REFERENCE TO STANDARD SPECIFICATIONS OF ANY TECHNICAL SOCIETY, ORGANIZATION OR ASSOCIATION TO CODES OF LOCAL OR STATE AUTHORITIES SHALL MEAN THE EDITION OF THE REFERENCED CODE INDICATED IN THE BUILDING CODE NOTED ABOVE.
 - ANY CONTRACTOR INTENDING TO SUPPORT EQUIPMENT, PIPING, DUCT WORK, CRANES OR OTHER ITEMS WHICH SUBJECT THE ROOF OR FLOOR SYSTEMS TO CONCENTRATED LOADINGS NOT SPECIFICALLY INDICATED ON THESE STRUCTURAL DRAWINGS MUST SUBMIT SHOP DRAWINGS, WEIGHTS, AND PROPOSED SUPPORT LOCATIONS TO THE ENGINEER APPROVED PRIOR TO ERECTION. ANY CONTRACTOR WHO ERECTS EQUIPMENT WITHOUT OBTAINING SUCH APPROVAL WILL BE RESPONSIBLE EITHER TO REMOVE IT AND SUBMIT SHOP DRAWINGS OR STAND THE COST OF REQUIRED REPAIRS OF MEMBERS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE PERFORMANCE OF THE CONTRACT. THE CONTRACTOR SHALL GIVE NOTICES AND COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDER OF PUBLIC AUTHORITIES (ESPECIALLY ON THE SAFETY OF PERSONS OR PROPERTY OR THEIR PROTECTION FROM DAMAGE, INJURY OR LOSS). THE CONTRACTOR SHALL NOT LOAD OR PERMIT ANY PART OF THE CONSTRUCTION SITE TO BE LOADED SO AS TO ENDANGER ITS SAFETY.
 - IN NO CASE SHALL STRUCTURAL ALTERATIONS OR WORK AFFECTING A STRUCTURAL MEMBER BE MADE, UNLESS APPROVED BY JOHNSON AND ASSOCIATES ENGINEERING IN WRITING.
 - THIS BUILDING IS DESIGNED AS AN ENCLOSED STRUCTURE. ALL EXTERIOR COMPONENTS (DOORS, WINDOWS, ETC.) MUST BE DESIGNED TO WITHSTAND THE WIND LOADINGS SPECIFIED FOR THE DESIGN OF COMPONENTS AND CLADDING IN THE APPLICABLE BUILDING CODE.
 - THE CONTRACT DOCUMENT DRAWINGS, GENERAL NOTES AND SPECIFICATIONS SHALL GOVERN IN THE EVENT OF A CONFLICT WITH THE SPECIFICATIONS AND/OR CODE OF PRACTICE FOR AISI, AISC, SJI, OR OTHER STANDARDS.

- FOUNDATION**
- THE FOUNDATION IS DESIGNED AS RECOMMENDED BY TTL, INC. IN THE PROJECT GEOTECHNICAL REPORT DATED NOVEMBER 20 2023. THE STRUCTURAL ENGINEER OF RECORD IS NOT RESPONSIBLE TO THE REQUIREMENTS OF ASTM A655-94 AND SHALL BE DEEMED CONTRARY TO THOSE ASSUMED FOR DESIGN.

FOUNDATION SYSTEM FOR THE PROJECT WILL UTILIZE DEEP FOUNDATIONS. IN ACCORDANCE WITH THE PROJECT GEOTECHNICAL REPORT, HELICAL PILES WILL BE UTILIZED FOR THIS PROJECT.

- FOR BUILDING SITE PREPARATION REQUIREMENTS SEE PROJECT GEOTECHNICAL REPORT AND PROJECT SPECIFICATIONS.
- FOOTING SUBGRADE SHALL BE CONTACTED AND PREPARED IN ACCORDANCE WITH THE PROJECT GEOTECHNICAL REPORT.

- HELICAL PILES**
- HELICAL PILES SHALL BE DESIGNED AND DETAILED BY THE VENDOR AND HIS ALABAMA LICENSED PROFESSIONAL ENGINEER, HEREIN REFERRED TO AS THE DELEGATED FILE ENGINEER.
 - HELICAL PILE VENDOR SHALL HAVE A PROVEN TRACK RECORD OF SUCCESSFUL INSTALLATIONS AND SHALL HAVE A MINIMUM OF 5 YEARS EXPERIENCE IN THE DESIGN AND INSTALLATION OF HELICAL PILES ON PROJECTS OF SIMILAR COMPLEXITY AS THIS PROJECT. ALL PILE VENDORS SHALL BE SUBMITTED TO AND BE APPROVED BY THE ARCHITECT, STRUCTURAL ENGINEER OF RECORD AND THE GEOTECHNICAL ENGINEER OF RECORD PRIOR TO THE BID LETTING.
 - THE ABOVE REFERENCED PROJECT GEOTECHNICAL REPORT INDICATES PROBABLE PILE SIZES AND CAPACITIES. HOWEVER, FINAL PILE DESIGN REQUIRED PILE LENGTH AND PILE CAPACITIES ARE TO BE DETERMINED AFTER BID LETTING BY SUCCESSFUL BIDDER HIS FILE VENDOR AND THE DELEGATED FILE ENGINEER. FOR THE PURPOSES OF DESIGN A GRAVITY LOAD PILE CAPACITY OF 50 KIIPS, ULTIMATE (25 KIIPS ALLOWABLE) WAS USED TO DETERMINE FOUNDATION DESIGN SHOWN ON THESE DRAWINGS. IF FINAL DESIGN OF HELICAL PILE SYSTEM INDICATES A PILE DESIGN OF HIGHER OR LOWER CAPACITY THAN THAT STATED ABOVE, THE FOUNDATION WILL HAVE TO BE REDESIGNED TO ACCOMMODATE THE DIFFERENT PILE DESIGN CAPACITY. THESE CHANGES WOULD LIKELY AFFECT THE NUMBER AND LOCATION OF PILES, AND THE SIZE AND REINFORCING OF THE GRADE BEAMS AND PILE CAPS.
 - PILE LOAD TESTS SHALL BE PERFORMED PRIOR TO THE INSTALLATION OF PRODUCTION PILES. LOAD TEST PILE SHALL BE PERFORMED BY THE DELEGATED FILE ENGINEER IN ACCORDANCE WITH THE 2018 IBC, AND BE SUBMITTED TO AND APPROVED BY THE GEOTECHNICAL ENGINEER OF RECORD PRIOR TO THE COMMENCEMENT OF THE PILE INSTALLATION.
 - HELICAL PILES SHALL BE INSTALLED PER THE PER MANUFACTURER RECOMMENDATIONS AND PER THE SUBMITTED PILE DESIGN.
 - HELICAL PILES SHALL BE INSTALLED WITHIN 3-INCHES OF THE SPECIFIED PLAN LOCATION AND SHOULD BE INSTALLED WITHIN 2% OF VERTICAL ALIGNMENT OR WITHIN MANUFACTURER RECOMMENDED TOLERANCES, WHICHEVER IS MORE STRINGENT.
 - HELICAL PILES WILL BE DESIGNED AFTER THE PROJECT IS BID AND AWARDED. AS SUCH, THE FOUNDATION DESIGN SHOWN SHALL BE CONSIDERED SCHEMATIC AND FINAL FOUNDATION DESIGN WILL BE BASED ON FINAL PILE DESIGN.
 - TTL, INC SHALL BE ENGAGED BY THE HELICAL PILE CONTRACTOR TO MONITOR THE INSTALLATION OF THE TEST PILES, THE LOAD TEST PROGRAM AND THE PRODUCTION PILE INSTALLATION.

- CONCRETE**
- CONCRETE WORK SHALL CONFORM TO THE LATEST EDITION OF ACI 318 AND CRSI STANDARDS.
 - PIPER OR DUCTS EXCEEDING ONE-THIRD THE SLAB OR WALL THICKNESS SHALL NOT BE PLACED WITHIN THE THICKNESS OF CONCRETE WALLS UNLESS SPECIFICALLY DETAILED. SEE MECHANICAL AND/OR ELECTRICAL DRAWINGS FOR LOCATION OF SLEEVES.
 - REFER TO ARCHITECTURAL DRAWINGS FOR MOLDS, GROOVES, ORNAMENTS, CLIPS, OR GROUNDS REQUIRED TO BE ENCASED IN CONCRETE AND FOR LOCATION AND DETAILS OF FLOOR FINISHES AND SLAB DEPRESSIONS.
 - CONSTRUCTION JOINTS IN CONCRETE BEAMS AND FRAMED SLABS SHALL BE PLACED AT MIDSPAN. ALL CONSTRUCTION JOINTS MUST BE KEPT WITH REINFORCING RUN CONTINUOUS THROUGH JOINTS.
 - AT COLUMN FOOTINGS, COLUMN ANCHOR RODS WITH TEMPLATE SHALL BE INSTALLED IN PROPER LOCATION PRIOR TO POURING THE FOOTING.
 - CONCRETE SHALL HAVE THE FOLLOWING MINIMUM 28 DAY COMPRESSIVE STRENGTH UTILIZING TYPE I CEMENT:

FOUNDATIONS AND SLABS ON GRADE	3000 PSI
CMU CELL FIL	3000PSI
CONCRETE BEAMS AND COLUMNS	4000 PSI

- REINFORCING STEEL**
- REINFORCING STEEL SHALL CONFORM TO ASTM A63-GRADE 60.
 - WELDED WIRE FABRIC SHALL CONFORM TO ASTM A663 AND HAVE A MINIMUM SIDE LAP OF 8 INCHES.
 - REINFORCEMENT SHALL BE SPLICED ONLY AS SHOWN OR NOTED IN THE STRUCTURAL CONTRACT DOCUMENTS.
 - ALL REINFORCING LAP SPLICES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ACI 318, FOR REINFORCED CONCRETE, AND ACI 530 FOR REINFORCED MASONRY.
 - ALL REINFORCING STEEL AND ACCESSORIES SHALL BE DETAILED, FABRICATED, AND PLACED IN ACCORDANCE WITH THE LATEST EDITION OF THE ACI MANUAL AND MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES.

- REINFORCING STEEL (CONT.)**
- MINIMUM CONCRETE COVER FOR REINFORCING BARS SHALL BE IN CONFORMANCE WITH ACI 318, EXCEPT AS OTHERWISE NOTED.
 - REINFORCING IN ALL CONCRETE WALLS, FOOTINGS AND BOND BEAMS SHALL BE CONTINUOUS AT INTERSECTIONS AND CORNERS. WHERE WALL FOOTINGS STEP, REINFORCING SHALL BE CONTINUOUS IN STEPS.
 - PROVIDE 2-#5 EXTRA DIAGONAL REINFORCING BARS AT CORNERS OF ALL OPENINGS IN FRAMED SLABS AND CONCRETE WALLS. EXTEND BARS 2'-0" BEYOND EACH EDGE OF OPENING.
 - AT POURED CONCRETE WALLS, PIERS AND COLUMNS, DOUELS FOR VERTICAL REINFORCING BARS SHALL BE INSTALLED IN THEIR PROPER LOCATION PRIOR TO CONCRETE POUR OF THE FOOTINGS.

- STRUCTURAL METALS**
- STRUCTURAL STEEL SHALL CONFORM TO ASTM A572, GRADE 50 EXCEPT ANGLES, CHANNELS, PLATES, ROOF, ETC SHALL CONFORM TO ASTM A36 AND STRUCTURAL TUBING SHALL CONFORM TO ASTM A500, GRADE B. (F_y=48KSI) ANCHOR BOLTS SHALL CONFORM TO ASTM A490, GRADE 36.
 - STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED ACCORDING TO ALSO 360-05, THIRTEENTH EDITION OF THE AISC MANUAL AND SPECIFICATIONS. CONTRACT DOCUMENTS SHALL GOVERN IN THE EVENT OF CONFLICT WITH THE AISC SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.
 - FABRICATOR SHALL PREPARE SHOP DRAWINGS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. CONNECTIONS SHALL BE DETAILED BASED ON THE DESIGN INFORMATION PROVIDED IN THE CONTRACT DOCUMENTS. DEVIATION FROM THE CONNECTION DETAILS DEPICTED IN THE CONTRACT DOCUMENTS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE STRUCTURAL ENGINEER OF RECORD. THE STRUCTURAL ENGINEER OF RECORD SHALL BE COMPENSATED BY THE FABRICATOR FOR THE COST INVOLVED IN THE REDESIGN OF CONNECTIONS FOR THE CONVENIENCE OF THE FABRICATOR.
 - UNLESS INDICATED OTHERWISE, ALL BEAM CONNECTIONS SHALL BE AISC DOUBLE ANGLE PER TABLES 10-1 THRU 10-3 OF THE AISC MANUAL OF STEEL CONSTRUCTION, UNLESS OTHERWISE INDICATED. BOLTED CONNECTIONS SHALL UTILIZE MAXIMUM NUMBER OF ROUS AT 3" STANDARD BOLT SPACING.
 - BOLTED CONNECTIONS SHALL BE NON-SLIP CRITICAL BEARING TYPE CONNECTIONS (TENSILES EXCLUDED FROM THE SHEAR PLANE) USING 3/4" DIAMETER A325 BOLTS. SLOTTED HOLES ARE PERMITTED ONLY WHERE THE DIRECTION OF THE LOAD IS NORMAL TO THE AXIS OF THE SLOT. BOLTED CONNECTIONS FOR TRUSS JOINTS, HANGERS AND DIAGONAL BRACINGS (AS OCCURS) SHALL BE SLIP CRITICAL.
 - USE PREQUALIFIED WELDED JOINTS PER AISC AND THE STRUCTURAL WELDING CODE OF THE AMERICAN WELDING SOCIETY. NON QUALIFIED JOINTS SHALL BE QUALIFIED BY THE FABRICATOR PRIOR TO FABRICATION.
 - SHOP PAINT FOR STRUCTURAL STEEL SHALL BE TYPIC 10-35. APPLY TO STRUCTURAL STEEL TO A MINIMUM DRY FILM THICKNESS OF 15 MILS. DO NOT PAINT STEEL TO BE FIRE-PROOFED WITH SPRAYED ON CEMENTITIOUS MATERIALS. DO NOT PAINT STEEL SURFACES TO BE EMBEDED IN CONCRETE.
 - FRAME ALL ROOF OPENINGS 6 INCHES SQUARE OR LARGER WITH 3-1/2" X 3-1/2" X 1/4" ANGLE FRAME ALL AROUND, UNLESS NOTED OTHERWISE.
 - ALL STRUCTURAL STEEL THAT IS OUTSIDE OF CONDITIONED SPACE OR WHICH IS EXPOSED TO THE EXTERIOR ENVIRONMENT SHALL BE GALVANIZED.
 - ALL TUBE STEEL CONNECTIONS SHALL BE MADE WITH FILLET WELD ALL AROUND WITH WELD AND CONNECTION CONFORMING TO THE PROVISIONS FOR ARCHITECTURALLY EXPOSED STRUCTURAL STEEL, PER THE AISC MANUAL.

- COLD FORMED STEEL FRAMING**
- ALL COLD FORMED STEEL FRAMING SHALL BE MADE OF THE TYPE, SIZE, GAUGE AND SPACING SHOWN ON THE DRAWINGS AND SHALL BE MANUFACTURED BY UNIMAST INCORPORATED (OR APPROVED EQUAL).
 - ALL STRUCTURAL MEMBERS SHALL BE DESIGNED IN ACCORDANCE WITH AMERICAN IRON AND STEEL INSTITUTE (AISI) SPECIFICATIONS FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, 1986 EDITION, WITH 1993 ADDENDUM.
 - ALL STRUCTURAL MEMBERS SHALL BE FORMED FROM CORROSION-RESISTANT STEEL CORRESPONDING TO THE REQUIREMENTS OF ASTM A653-94 AND SHALL BE ZINC COATED MEETING ASTM A924. STRUCTURAL MEMBERS SHALL BE FORMED FROM THE FOLLOWING GRADE OF MATERIAL:

YIELD STRENGTH: 33,000 PSI (33 KI) FOR ALL CR RUNNERS AND 20-GA. AND 18-GA. STUD OR JOIST MEMBERS, 50,000 PSI (50KSI) FOR 16-GA., 14-GA. AND 12-GA. STUD OR JOIST MEMBERS.
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 - FASTENING OF COMPONENTS SHALL BE WITH SELF-DRILLING SCREWS OR BY WELDING. SCREWS AND WELDS SHALL BE OF SUFFICIENT SIZE TO ENSURE THE STRENGTH OF THE CONNECTION. WIRE TYING OF COMPONENTS SHALL NOT BE PERMITTED. ALL WELDS SHALL BE TOUCHED-UP WITH ZINC-RICH PAINT.
 - SPLICES IN FRAMING COMPONENTS OTHER THAN RAILER TRACK SHALL NOT BE PERMITTED.
 - ABUTTING LENGTHS OF RAILER SHALL BE BUTT-WELDED, SPLICED OR EACH LENGTH SECURELY ANCHORED TO A COMMON STRUCTURAL ELEMENT. RAILERS SHALL BE SECURELY ANCHORED TO THE SUPPORTING STRUCTURE AS SHOWN ON THE DRAWINGS.

- COLD FORMED STEEL TRUSSES SHALL HAVE SYMMETRICAL TOP AND BOTTOM CHORD AND WEB MEMBERS AS DESIGNED BY ALPINE TRUSS STEEL OR APPROVED EQUAL. TRUSS TOP CHORD MEMBERS SHALL HAVE A MINIMUM THICKNESS OF 16 GA.
- COLD FORMED STEEL TRUSSES SHALL BE DESIGNED, DETAILED AND FABRICATED IN ACCORDANCE WITH THE PROCEDURES AND REQUIREMENTS OUTLINED IN THE LATEST EDITION OF THE "COLD FORMED STEEL DESIGN MANUAL" AND/OR THE "SPECIFICATIONS FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS".
- THE COLD FORMED STEEL TRUSSES SHALL BE SIZED AND DETAILED TO FIT THE DIMENSIONS AND LOADS INDICATED. TRUSS MANUFACTURER SHALL PROVIDE DESIGN FOR ALL TRUSSES, SIGNED AND SEALED BY AN ENGINEER LICENSED IN THE PROJECT STATE. SHOP DRAWINGS SHALL BE PROVIDED INCLUDING A PLACING PLAN WITH MARK NUMBERS INDICATING LOCATIONS. DESIGN SHEETS SHALL INDICATE BEARING POINT LOADS (GRAVITY AND UPLIFT), TRUSS MARK NUMBERS, AND PROJECT IDENTIFICATION. ENGINEERS SEAL SHALL BE ORIGINAL AND RAISED IMPRINT, AND CONTAIN ENGINEER'S SIGNATURE AND DATE. TRUSS JOINTS, SPLICES, LOCATIONS, OR SIZES INDICATED ON THE PLANS ARE TO BE CONSIDERED SCHEMATIC AND ARE TO BE VERIFIED BY THE MANUFACTURER. HOWEVER, CHANGES SHALL NOT BE MADE WITHOUT PRIOR WRITTEN APPROVAL. BRIDGINS AND BRACINGS OF THE TRUSSES SHALL BE PROVIDED AS REQUIRED BY THE TRUSS DESIGNER.

- MASONRY**
- MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ACI 530 BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES AND SPECIFICATION FOR MASONRY STRUCTURES.
 - MORTAR SHALL CONFORM TO ASTM C770 AND GROUT SHALL CONFORM TO ASTM C476, STANDARD SPECIFICATION FOR MORTAR AND GROUT FOR REINFORCED MASONRY.
 - CONCRETE MASONRY UNITS SHALL BE GRADE N, IN ACCORDANCE WITH ASTM C90, STANDARD SPECIFICATIONS FOR HOLLOW LOAD-BEARING CONCRETE MASONRY UNITS.
 - THE MINIMUM COMPRESSIVE STRENGTH OF MASONRY ASSEMBLIES AT 28 DAYS SHALL BE 1800 PSI ON THE TEST SECTION (MORTAR BED AREA) (f_m = 500 PSI).
 - ALL VERTICAL REINFORCING STEEL BARS IN CMU WALLS SHALL BE DOUELED TO THE CONCRETE FOUNDATION.
 - ALL CMU REINFORCING STEEL BARS SHALL BE CONTINUOUS WITH LAP SPLICE LENGTHS CONFORMING TO NOTE ABOVE.
 - ALL OPENINGS IN CMU WALLS SHALL BE REINFORCED ON EACH SIDE AND TOP AND BOTTOM WITH A MINIMUM OF 1-#6 BAR.
 - ALL CELLS ADJACENT TO DOORS, WINDOWS, OPENINGS, CORNERS, END OF WALLS OR UNDER CONCENTRATED LOADS SHALL CONTAIN VERTICAL REINFORCING AND SHALL BE FILLED WITH 3000 PSI CONCRETE.
 - ALL CMU ELEMENTS SHALL BE ADEQUATELY BRACED TO PROVIDE STABILITY UNTIL THE ENTIRE STRUCTURE IS COMPLETE AND TO PREVENT DAMAGE DURING CONSTRUCTION, ESPECIALLY DUE TO BACKFILLING AND SOIL COMPACTION OPERATIONS.
 - ALL VERTICAL REINFORCING SHALL BE CONTINUOUS THROUGH ALL WALL BEAMS AND SHALL BE ANCHORED IN BEAMS AT THE TOP OF WALLS.
 - CONTINUOUS CONCRETE FILLED BLOCK BOND BEAMS SHALL BE PROVIDED AT THE TOP OF ALL WALLS AND UNDER FLOORS OR ROOFS, UNLESS OTHERWISE INDICATED. BOND BEAMS SHALL BE REINFORCED WITH 2-#5 CONTINUOUS.
 - ALL VERTICAL REINFORCING IN ALL WALLS SHALL BE INSTALLED AS FOLLOWS UNLESS NOTED OTHERWISE:
 - PROVIDE CLEAN-OUT SPACE AT BOTTOM OF CELL TO BE REINFORCED AND FILLED (AT LOCATION OF REINFORCING STEEL, DOUEN, IN FOUNDATIONS OR PREVIOUS CONCRETE PLACEMENT).
 - COMPLETELY CLEAN OUT AND FLUSH CELL TO BE FILLED.
 - INSTALL VERTICAL STEEL AND TIE TO DOUEN AT BOTTOM AND TIE TO PLACE AT TOP.
 - CLOSE CLEAN-OUT OPENING, AND FILL WITH 3000 PSI CONCRETE.
 - ALL MORTAR FOR BLOCK MASONRY SHALL BE TYPE S EXCEPT AS OTHERWISE NOTED.
 - FILL ALL BLOCK CELLS WITH CONCRETE FROM TOP OF FOOTINGS TO FINISH FLOOR ELEVATION EXCEPT AS INDICATED OTHERWISE.

- MASONRY (CONT.)**
- PROVIDE CONTINUOUS HORIZONTAL NO. 9 GAGE TRUSS TYPE JOINT REINFORCING AT 16" O.C. IN ALL BLOCK MASONRY WALLS EXCEPT AS OTHERWISE NOTED.
 - WHERE INTERIOR MASONRY WALLS ON THICKENED SLABS ADJUT MASONRY WALLS ON FOOTINGS, RAKE VERTICAL JOINT EACH FACE AND SEAL WITH ELASTOMERIC FILLER.
 - PROVIDE CONTROL JOINTS IN ALL BLOCK MASONRY WALLS. SEE SPECIFICATIONS FOR SPACING. COORDINATE ALL JOINT LOCATIONS WITH ARCHITECT.
 - ALL MASONRY SHALL BE LAID IN RUNNING BOND UNLESS SPECIFICALLY NOTED OTHERWISE ON THE STRUCTURAL CONTRACT DRAWINGS. IF MASONRY BOND OTHER THAN RUNNING BOND IS UTILIZED, HORIZONTAL BOND BEAMS SHALL BE CONSTRUCTED IN THE WALLS AT A MAXIMUM SPACING OF 48 INCHES ON CENTER.

- STRUCTURAL SUBMITTALS**
- FURNISH ONE ELECTRONIC COPY OF ALL SHOP DRAWINGS AND SUBMITTALS.
 - SEE CONTRACT SPECIFICATIONS FOR ADDITIONAL SUBMITTAL REQUIREMENTS AND PROCEDURES.
 - REPRODUCTION OF CONTRACT DOCUMENTS FOR ERECTION AND/OR SHOP DRAWINGS WILL NOT BE PERMITTED.
 - REVIEW OF SUBMITTALS AND/OR SHOP DRAWINGS BY THE STRUCTURAL ENGINEER OF RECORD DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW AND CHECK SHOP DRAWINGS PRIOR TO SUBMITTAL TO THE STRUCTURAL ENGINEER OF RECORD. 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. CONTRACTOR ALSO SHALL BE RESPONSIBLE FOR MEANS, METHOD, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION. SEE SPECIFIC PROVISIONS IN THE CONTRACT DOCUMENTS DEALING WITH THE APPROPRIATE DESIGN RESPONSIBILITIES OF CONTRACTORS, SUBCONTRACTORS, AND SUPPLIERS.
 - IN THE EVENT THAT JOHNSON & ASSOCIATES ENGINEERING REVIEW SUBMITTALS (AS A COURTESY) TO THE CONTRACTOR TO REDUCE THE TIME PRIOR TO THE START OF FABRICATION WHICH HAVE NOT FIRST BEEN REVIEWED AND APPROVED BY THE CONTRACTOR, SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO PERFORM REVIEW AND APPROVE ALL SUCH SUBMITTALS, NOR WILL IT CREATE RESPONSIBILITY OR LIABILITY ON THE PART OF JOHNSON & ASSOCIATES ENGINEERS AS TO THE CONTENTS, ACCURACY OR COMPLETENESS OF SUCH SHOP DRAWINGS EXCEPT AS MAY BE SPECIFICALLY DESCRIBED IN THESE GENERAL NOTES. CONTRACTOR IS SOLELY RESPONSIBLE FOR REVIEW AND APPROVAL OF SHOP DRAWINGS AND OTHER SUBMITTALS, AND CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL REQUIREMENTS OF THE WORK OF THE CONTRACTOR AS PROVIDED FOR IN THE CONTRACT DOCUMENTS.
 - THE SEER REVIEW OF SUBMITTALS WILL BE MADE FOR LIMITED PURPOSES AND IS SUBJECT TO THE LIMITATIONS AND DISCLAIMERS SET FORTH IN THESE GENERAL NOTES. THE JOHNSON AND ASSOCIATES ENGINEERING REVIEW DOES NOT INVOLVE OR INCLUDE:
 - REVIEW OF SUBMITTAL DIMENSIONS AND QUANTITIES.
 - ACCEPTANCE OR ASSUMPTION OF ANY RESPONSIBILITY TO REVIEW, ANALYZE OR EVALUATE ANY SUBMITTALS INCLUDING SHOP DRAWINGS PROVIDED TO JOHNSON AND ASSOCIATES ENGINEERING OR ACCEPTANCE OR ASSUMPTION OF ANY PART OF CONTRACTORS RESPONSIBILITIES WHICH INCLUDE THE CONTRACTORS RESPONSIBILITY TO REVIEW AND APPROVE SUBMITTAL, WHETHER OR NOT THE JOHNSON AND ASSOCIATES ENGINEERING REVIEW WAS MADE PRIOR TO THE REVIEW AND APPROVAL OF THE CONTRACTOR.
 - ANALYSIS, VERIFICATION OR SUBSTITUTION OF EQUIPMENT OR SYSTEM INSTALLATION OR PERFORMANCE OF EQUIPMENT OR SYSTEMS.
 - REVIEW EVALUATION OR APPROVAL OF PROJECT SAFETY PRECAUTIONS OR SAFETY TRAINING.
 - REVIEW EVALUATION OR APPROVAL OF CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES OR SEQUENCES.

JOHNSON AND ASSOCIATES ENGINEERING REVIEW OF A SPECIFIC ITEM DOES NOT INCLUDE OR INDICATE OR CONSTITUTE REVIEW OF A GROUP OR AN ASSEMBLY OF WHICH THE ITEM IS A COMPONENT.

THE CONTRACTOR MUST NOTIFY JOHNSON AND ASSOCIATES ENGINEERING, IN WRITING, RELATIVE TO ANY DEVIATION FROM THE CONTRACT DOCUMENTS WHICH APPEARS IN THE SHOP DRAWINGS, SAMPLES, AND PRODUCT DATA. APPROVAL OF THE SUBMITTAL CONTAINING SUCH DEVIATION DOES NOT CONSTITUTE APPROVAL OF THE DEVIATION. APPROVAL OR REJECTION OF THE DEVIATION WILL ONLY BE PROVIDED BY JOHNSON AND ASSOCIATES ENGINEERING IN A SEPARATE WRITTEN COMMUNICATION TO THE CONTRACTOR. JOHNSON AND ASSOCIATES ENGINEERING IS NOT RESPONSIBLE FOR DISCOVERY OF DEVIATIONS NOT COMMUNICATED BY THE CONTRACTOR.

- STRUCTURAL SUBMITTALS, STRUCTURAL STEEL, METAL ROOF DECKING, COLD FORMED STEEL TRUSSES, CONCRETE REINFORCING BARS, ANCHOR RODS AND CONCRETE MIX DESIGN**
- THE FOLLOWING SUBMITTALS MUST BE MADE TO THE STRUCTURAL ENGINEER OF RECORD:
 - ERECTION DRAWINGS, FABRICATION DRAWINGS, COMPONENT DETAILS, AND CONNECTION DETAILS.
 - CALCULATIONS FOR ALL COMPONENTS SIZED BY THE FABRICATOR'S SPECIALTY DESIGN ENGINEER.
 - THE STRUCTURAL SUBMITTALS FOR THE METAL ROOF DECKING AND COLD FORMED STEEL TRUSSES SHALL BEAR THE IMPRESSED SEAL AND SIGNATURE OF THE SPECIALTY DESIGN ENGINEER LICENSED IN THE PROJECT STATE.
 - THE PROJECT STRUCTURAL ENGINEER OF RECORD WILL REVIEW THE SUBMITTALS FOR INDICATION THAT HIS INTENT HAS BEEN UNDERSTOOD AND THAT THE SPECIFIED CRITERIA HAVE BEEN USED.

DESIGN LOADS

1. ROOF LIVE LOAD	20 PSF
2. WIND LOADING CRITERIA (PER ASCE 1-16)	
BUILDING RISK CATEGORY	III
BASIC WIND SPEED	V(ULT) = 125 MPH
EXPOSURE CATEGORY	C
INTERNAL PRESSURE COEFF.	+/- 0.18

COMPONENTS & CLADDING (ROOF)

LOCATION	TRIBUTARY AREA	DESIGN WIND PRESSURE (PSF)
ROOF (CORNER ZONE) (2)	< 10 SF	18 PSF
	10 - 20 SF	18 PSF
	20 - 50 SF	93 PSF
ROOF (EDGE ZONE) (3a) (2) (2b)	50 - 100 SF	78 PSF
	≥ 100 SF	61 PSF
	< 10 SF	99 PSF
ROOF (INTERIOR ZONE) (2a) (1)	10 - 20 SF	99 PSF
	20 - 50 SF	81 PSF
	50 - 100 SF	68 PSF
	≥ 100 SF	53 PSF
	< 10 SF	68 PSF
	10 - 20 SF	68 PSF
	20 - 50 SF	68 PSF
	50 - 100 SF	40 PSF
	≥ 100 SF	22 PSF

COMPONENTS & CLADDING (WALLS)

LOCATION	TRIBUTARY AREA	DESIGN WIND PRESSURE (PSF)
WALL (EDGE ZONE) (5)	< 10 SF	50 PSF
	10 - 20 SF	50 PSF
	20 - 50 SF	41 PSF
WALL (INTERIOR ZONE) (4)	50 - 100 SF	43 PSF
	≥ 100 SF	40 PSF
	< 10 SF	40 PSF
	10 - 20 SF	40 PSF
	20 - 50 SF	31 PSF
	50 - 100 SF	31 PSF
	≥ 100 SF	34 PSF

COMPONENTS AND CLADDING PRESSURES SHOWN IN THE TABLES ABOVE ARE STRENGTH DESIGN (ULTIMATE) PRESSURES PER THE ASCE 1-16. USE OF THESE PRESSURES FOR ALLOWABLE STRESS DESIGN (ASD) SHALL BE IN ACCORDANCE WITH THE LOAD COMBINATIONS SHOWN IN THE ASCE 1-16.

- DESIGN LOADS (CONT.)**
- SEISMIC LOADING CRITERIA

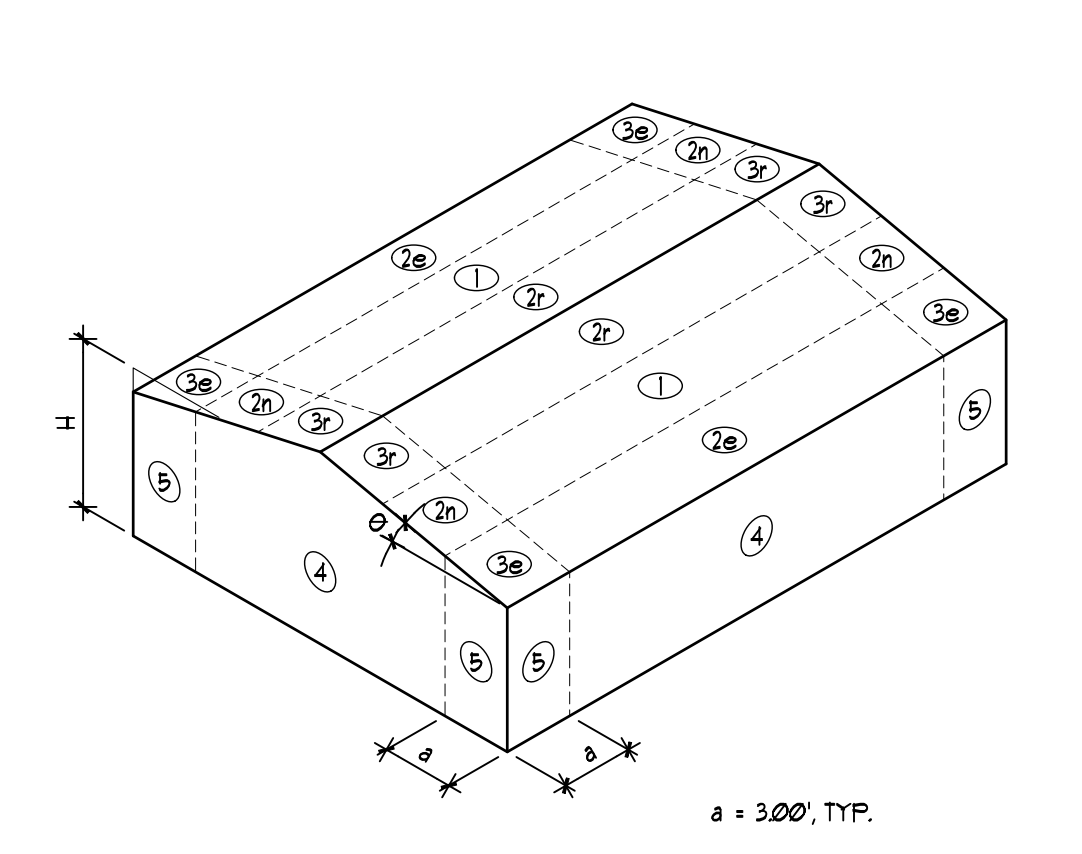
Ss	0.061
S1	0.075
IMPORTANCE FACTOR	1.25
SITE CLASS	D (ASSUMED)
SPECTRAL ACCELERATION PARAMETERS:	
S _{0.1}	0.172
S _{0.5}	0.215
SEISMIC DESIGN CATEGORY	B
 - ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE

- PREENGINEERED SYSTEMS**
- THE DESIGN OF PREENGINEERED SYSTEMS SPECIFIED IN THE CONTRACT DOCUMENTS WHICH ARE DESIGNED/ENGINEERED BY OTHERS IS THE SOLE RESPONSIBILITY OF THE SUPPLIER AND ITS DESIGN ENGINEER LICENSED IN THE PROJECT STATE. SUBMITTALS OF SUCH SYSTEMS TO THE STRUCTURAL ENGINEER OF RECORD SHALL BE REVIEWED FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS WITH REGARD TO THE ARRANGEMENT, AND/OR SIZES OF MEMBERS SHOWN ON THE CONTRACT DOCUMENTS AND TO INSURE CORRECT INTERPRETATION OF THE DESIGN INFORMATION INCLUDED IN THE CONTRACT DOCUMENTS. SUCH REVIEW BY THE STRUCTURAL ENGINEER OF RECORD SHALL NOT IMPLY ANY RESPONSIBILITY FOR THE ACTUAL DESIGN OF SUCH SYSTEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DIMENSIONAL ACCURACY AND CONFORMANCE WITH THE INFORMATION CONTAINED IN THE CONTRACT DOCUMENTS.
 - SEE SPECIFIC SECTIONS OF GENERAL NOTES ABOVE AND SPECIFICATIONS FOR THE APPROPRIATE DESIGN RESPONSIBILITIES OF THE SUPPLIER AND ITS LICENSED ENGINEER.
 - THE CONTRACT DOCUMENT DRAWINGS, GENERAL NOTES, AND SPECIFICATIONS SHALL GOVERN IN THE EVENT OF A CONFLICT WITH THE SPECIFICATIONS AND/OR CODE OF PRACTICE FOR AISI, AISC, SJI OR OTHER STANDARDS.

- ERECTION BRACING AND FORMWORK**
- THE DESIGN, ADEQUACY AND SAFETY OF ERECTION BRACING, FORMWORK, SHORING, AND TEMPORARY SUPPORTS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
 - ANCHOR BOLTS AND FOUNDATIONS HAVE NOT BEEN DESIGNED FOR ANY CONDITION OF LOADING OTHER THAN THAT OF THE COMPLETED STRUCTURE. VERIFICATION OF ADEQUACY OF ANCHOR BOLT AND FOUNDATIONS TO RESIST ERECTION INDUCED FORCES IS SOLELY THE RESPONSIBILITY OF THE STEEL ERECTOR AND CONTRACTOR.
 - UNLESS OTHERWISE NOTED, STEEL FRAMEWORKS FOR THIS PROJECT ARE CLASSIFIED PER AISC CODE OF STANDARD PRACTICE AS A "NON-SELF-SUPPORTING STEEL FRAME". PROVIDE TEMPORARY SUPPORT SYSTEMS NECESSARY TO SECURE ANY ELEMENT OR ELEMENTS OF THE STEEL FRAMING UNTIL ALL PERMANENT STEEL BRACING, DECKING AND/OR MASONRY WALLS ARE IN-PLACE AND CONNECTED TO THE STEEL FRAMEWORKS.

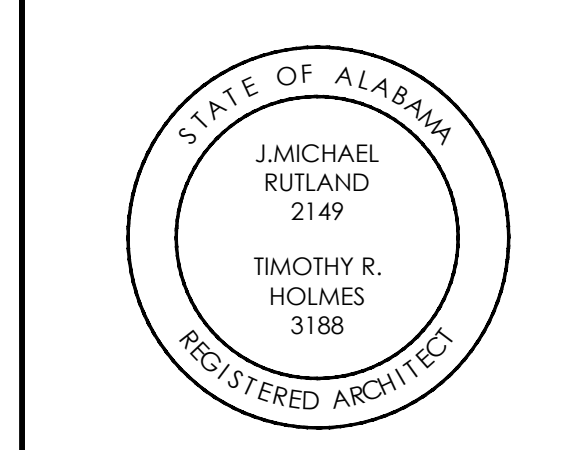
JOB SITE SAFETY

THE GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SITE SAFETY AND FOR CONFORMANCE WITH THE HEALTH AND SAFETY PROVISIONS REQUIRED BY ANY REGULATORY AGENCIES. THE STRUCTURAL ENGINEER OF RECORD HAS NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR OR THEIR EMPLOYEES WITH THEIR WORK OR ANY HEALTH OR SAFETY PRECAUTIONS.



ISOMETRIC VIEW
SCHEMATIC GENERALIZED WIND ZONE IDENTIFICATION MODEL (FOR USE WITH COMPONENT 4 CLADDING WIND PRESSURES)

JMR+H
Architecture, P.C.
445 Dexter Avenue
Suite 5050
Montgomery, AL 36104
Phone: (334) 420-5672
Fax: (334) 420-5692



**CHOCTAW COUNTY JAIL
BUTLER,
ALABAMA**



CONSTRUCTION DOCUMENTS

Project Number: 22-1189
Date: 30 MAY 2024
Revisions:

Sheet Description

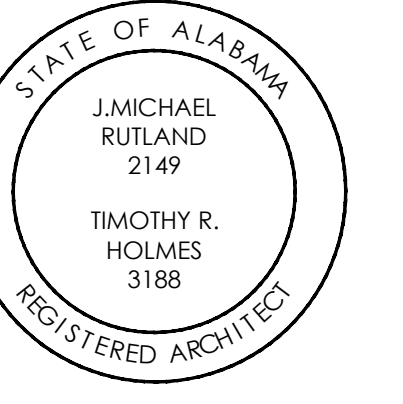
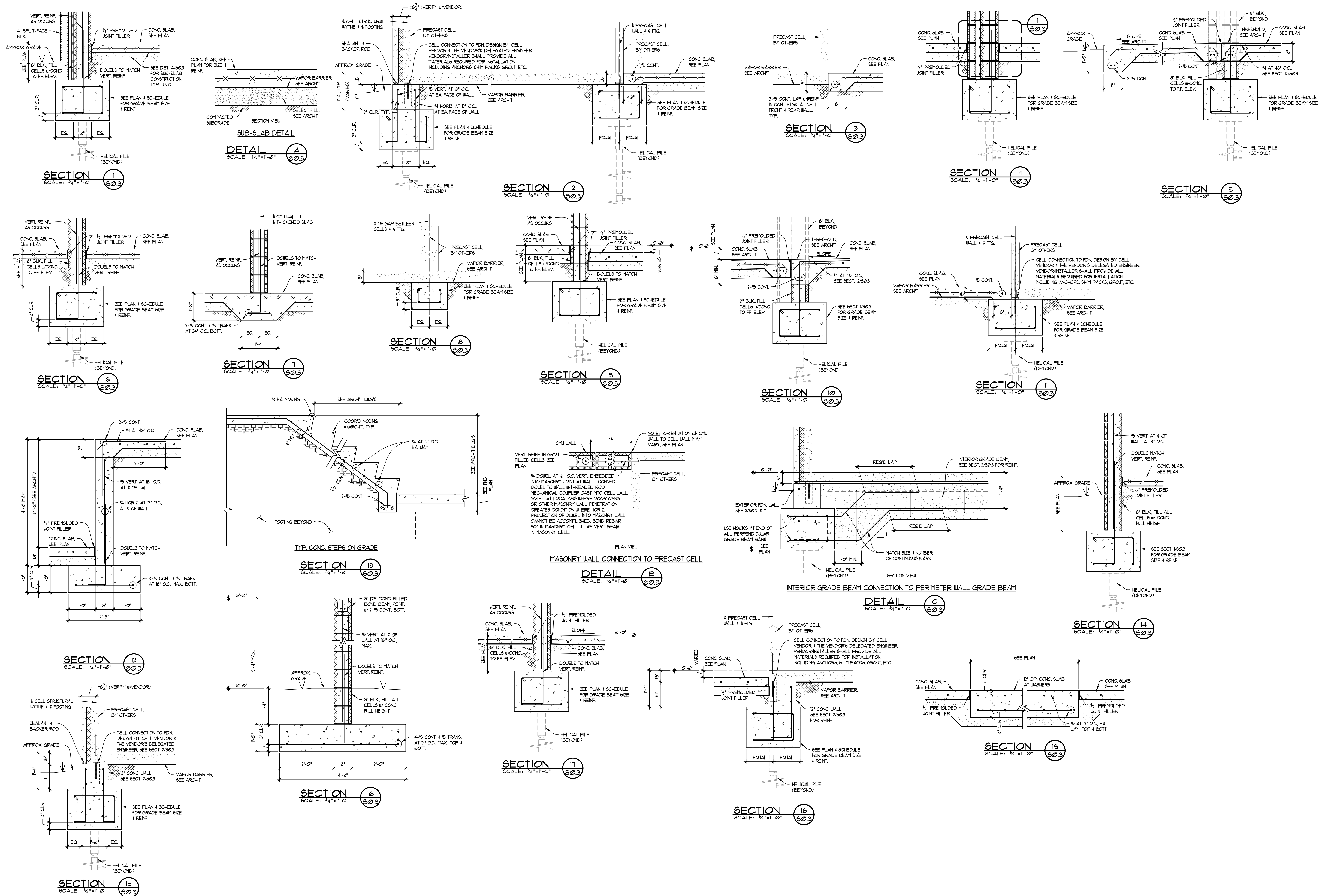
GENERAL STRUCTURAL NOTES

Sheet Number

S0.1

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CHOCTAW COUNTY JAIL
BUTLER,
ALABAMA

CONSTRUCTION
DOCUMENTS

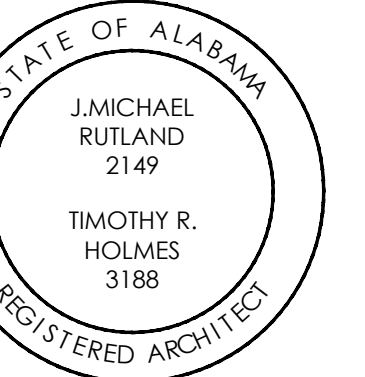
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Date: 30 MAY 2024
Revisions:

Sheet Description

SECTIONS

Sheet Number

S0.3



CHOCTAW
COUNTY JAIL
BUTLER,
ALABAMA

CONSTRUCTION
DOCUMENTS

Project Number: 22-1189

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Revisions:

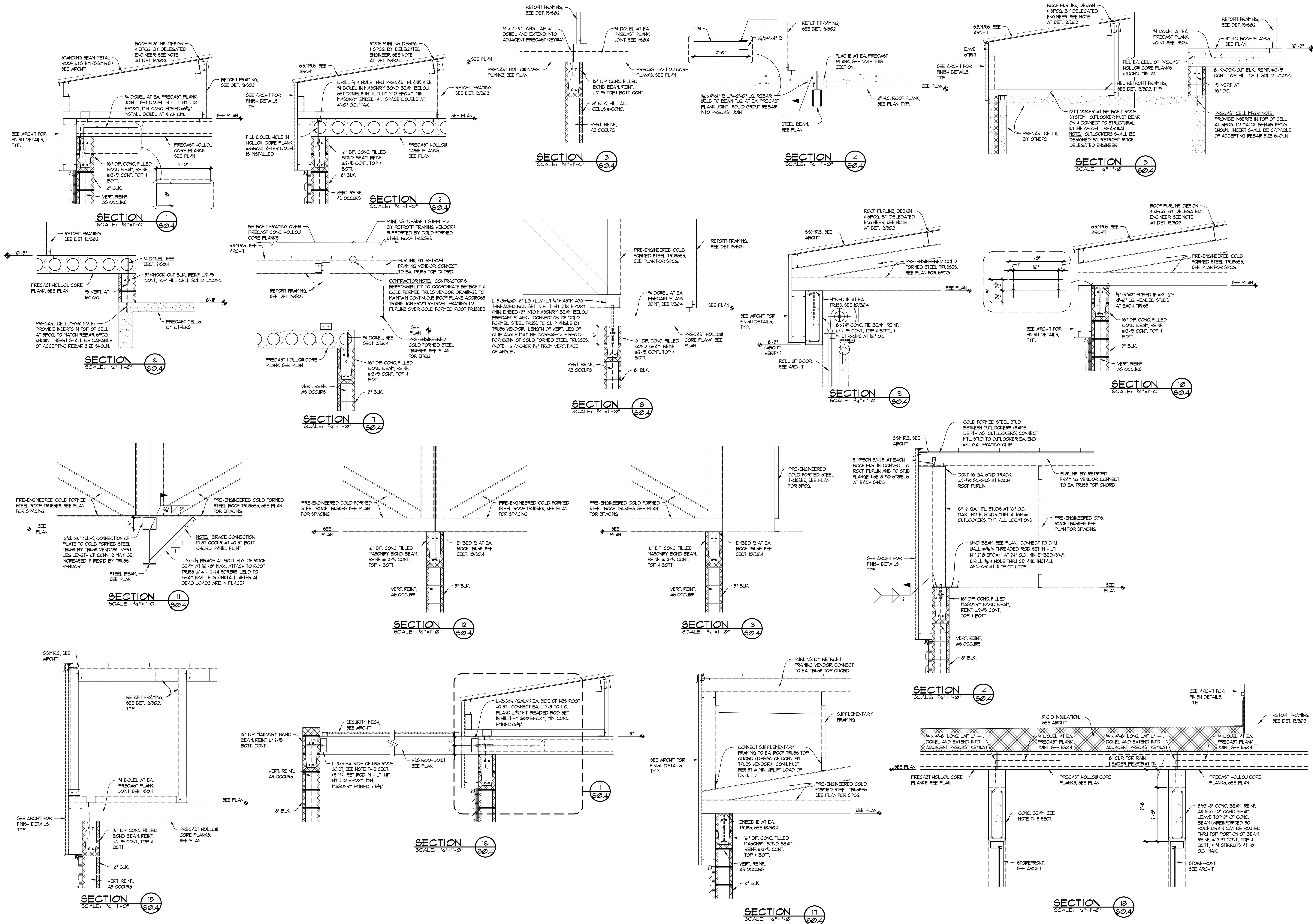
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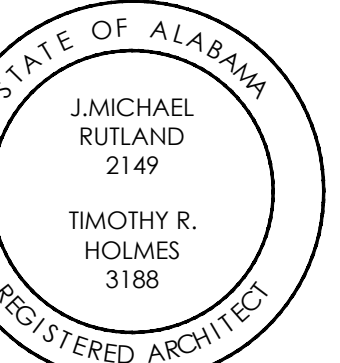
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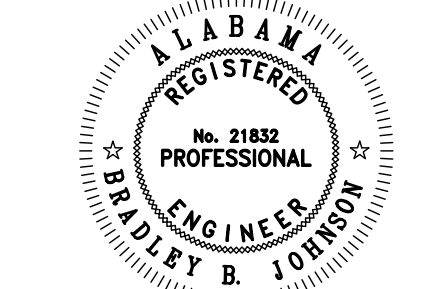
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CHOCTAW
COUNTY JAIL
BUTLER,
ALABAMA



CONSTRUCTION
DOCUMENTS

Project Number: 22-1189

Date: 30 MAY 2024

Revisions:

Sheet Description

FOUNDATION
PLAN

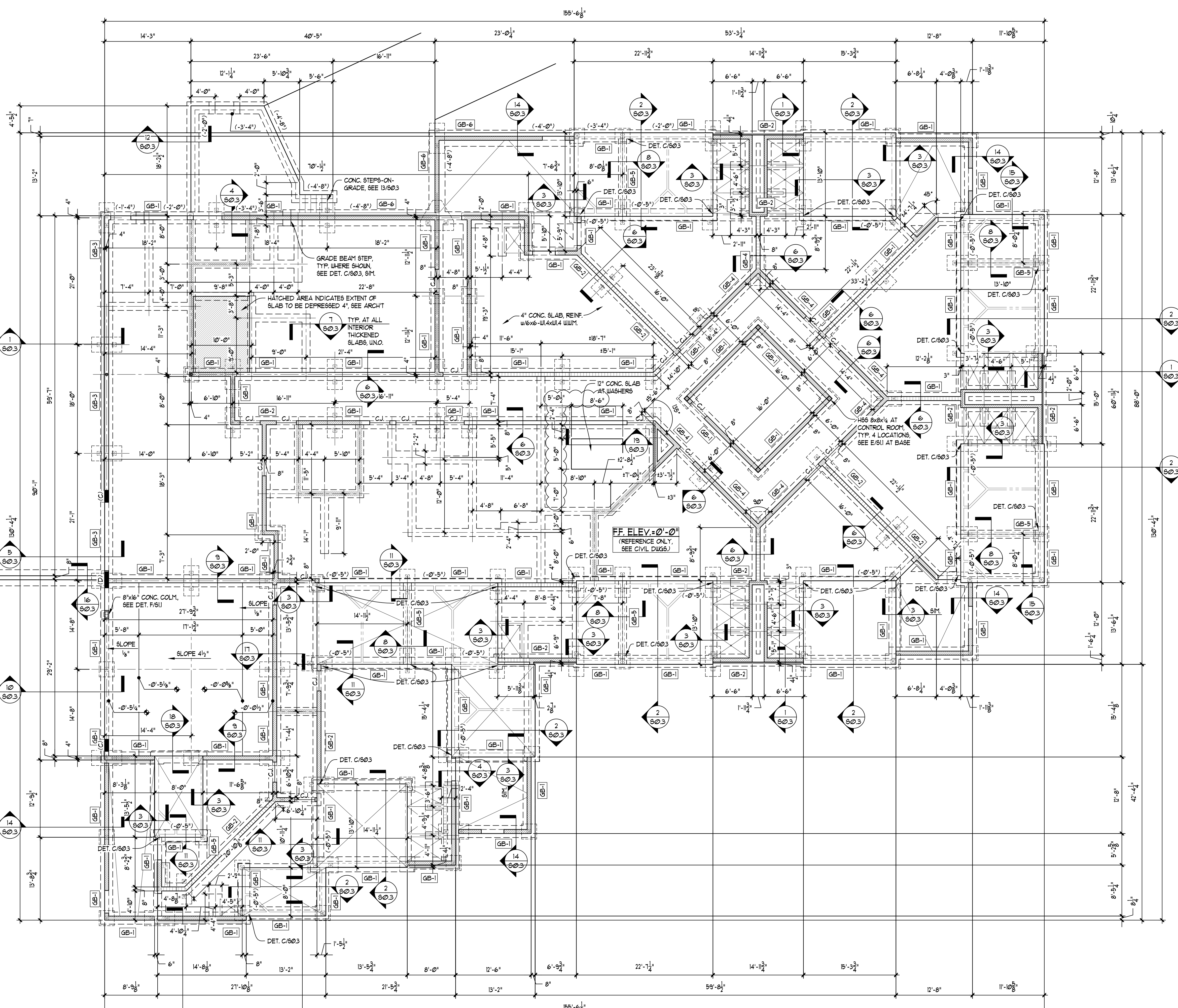
Sheet Number

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MARK NO.	DESCRIPTION
(A)	8" x 8" RM FROM FOUNDATION TO BOND BEAM AT TOP OF WALL. FILL EACH CELL WITH CONCRETE FULL HEIGHT. REINFORCE EACH CELL WITH 1-#5 CONT. VERT. DOSEL REINF. TO FOUNDATION AND LAP WITH BOND BEAM REINF. AT TOP OF WALL.
(B)	8" x 16" RM FROM FOUNDATION TO BOND BEAM AT TOP OF WALL. FILL EACH CELL WITH CONCRETE FULL HEIGHT. REINFORCE EACH CELL WITH 1-#5 CONT. VERT. (2-#5 VERT. TOTAL). DOSEL REINF. TO FOUNDATION AND LAP WITH BOND BEAM REINF. AT TOP OF WALL.
(C)	8" x 24" RM FROM FOUNDATION TO BOND BEAM AT TOP OF WALL. FILL EACH CELL WITH CONCRETE FULL HEIGHT. REINFORCE EACH CELL WITH 1-#6 CONT. VERT. (3-#6 VERT. TOTAL). DOSEL REINF. TO FOUNDATION AND LAP WITH BOND BEAM REINF. AT TOP OF WALL.
(D)	8" x 32" RM FROM FOUNDATION TO BOND BEAM AT TOP OF WALL. FILL EACH CELL WITH CONCRETE FULL HEIGHT. REINFORCE EACH CELL WITH 1-#6 CONT. VERT. (4-#6 VERT. TOTAL). DOSEL REINF. TO FOUNDATION AND LAP WITH BOND BEAM REINF. AT TOP OF WALL.

GENERAL REINFORCED MASONRY NOTES:
1. RM'S SHOWN ON PLANS ARE FOR STRUCTURAL WALLS. REINFORCE NON-STRUCTURAL WALLS WITH 8" x 8" RM'S @ 16" VERT. AT ALL CORNERS, INTERSECTIONS, OPENINGS (SUCH AS DOORS, WINDOWS, LOUVERS, ETC.) AND ENDS OF WALLS.
2. SEE DETAIL 8/S02 FOR TYPICAL RM INSTALLATION.

REINFORCED MASONRY LEGEND AND NOTES:
1. SECURE CMU PERIMETER WALL.
1A. FILL ALL CELLS WITH CONCRETE FULL HEIGHT OF WALL. USE (A) RM AT 8" O.C. MAX. AND AT ALL WALL CORNERS AND INTERSECTIONS.
2. SECURE CMU STRUCTURAL WALL.
2A. FILL ALL CELLS WITH CONCRETE FULL HEIGHT OF WALL. USE (A) RM AT 16" O.C. MAX. AND AT ALL WALL CORNERS AND INTERSECTIONS. TYP. UNO.
2B. FILL ALL CELLS WITH CONCRETE FULL HEIGHT. USE (B) RM AT EACH SIDE OF ALL WALL OPENINGS UP TO 6" WIDE CLEAR AND AT ALL BEAM BEARING LOCATIONS FROM FOUNDATION TO BOND BEAM AT TOP OF WALL.
3. NON-SECURE CMU STRUCTURAL WALL.
3A. USE (A) RM AT 48" O.C. MAX. AND AT ALL WALL CORNERS AND INTERSECTIONS. TYP. AT NON SECURE WALLS, UNO.
3B. USE (B) RM AT EACH SIDE OF ALL WALL OPENINGS UP TO 1'-0" WIDE CLEAR. TYP. AT NON SECURE WALLS.
3C. USE (C) RM EA. SIDE OF ALL WALL OPENINGS AT LOCATIONS INDICATED ON PLANS.
3D. USE (D) RM EA. SIDE OF ALL WALL OPENINGS AT LOCATIONS INDICATED ON PLANS.

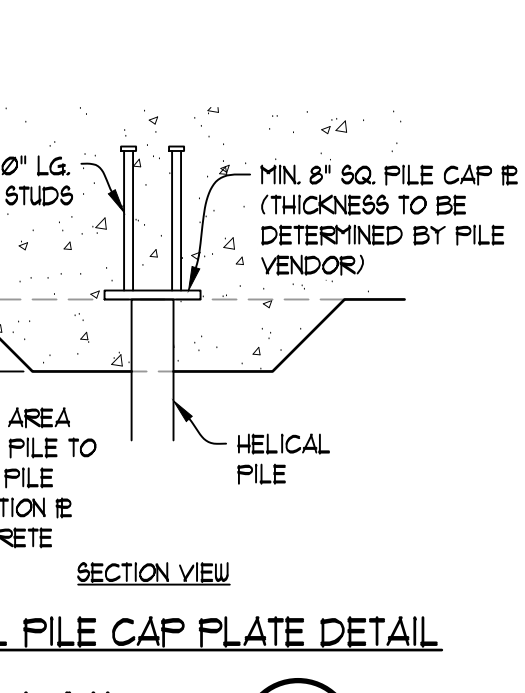


FOUNDATION PLAN

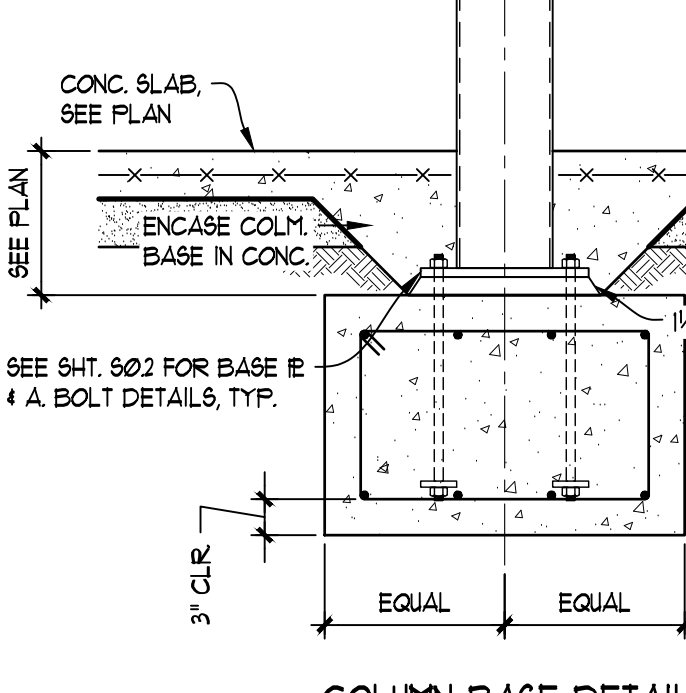
SCALE: 1/8"=1'-0"
NOTES:
1. TOP OF ALL GRADE BEAMS AT 1'-4" UNLESS NOTED OTHERWISE (UNO).
2. C/J=CONSTRUCTION JOINT; SEE DET. 1/S02. S/J=SAW JOINT; SEE DET. 2/S02. CONTRACTOR'S OPTION TO USE S/J IN LIEU OF C/J.
3. CENTER ALL COLUMN FOOTINGS BENEATH CENTERLINE OF COLUMN BASE B. UNO.
4. STRUCTURAL WALLS SHOWN. NON-STRUCTURAL PARTITIONS WALLS NOT SHOWN.
5. FOUNDATION PLAN PLANE IS AT APPROXIMATELY TOP OF SLAB ELEVATION.
6. CONTRACTOR VERIFY ALL CLOUDED DIMENSIONS NOTED THRUOUT (T-2).
7. SEE SHEET 8/S01 FOR GENERAL STRUCTURAL NOTES.
8. AT LOCATIONS WHERE MASONRY ABUTS PRECAST CELLS, CONNECT MASONRY TO CELLS PER DET. 8/S03.
9. ALL GRADE BEAMS ARE (GB-1) UNO.
10. HELICAL PILES TO BE DESIGNED BY THE HELICAL PILE VENDOR'S LICENSED ALABAMA PROFESSIONAL ENGINEER. DELEGATED PILE ENGINEER. THE FOUNDATION PLAN SHOWN IS BASED ON ALLOWABLE HELICAL PILE COMPRESSION LOAD OF 75 KIPS. SEE SHEET 8/S01 FOR HELICAL PILE NOTES.
11. ALL STEEL COLUMNS SHOWN THIS SHEET ARE HSS 3x3x3/8 W/ TYP. 1 BASE B. UNO.
12. HSS COL. 4 & COL. 17.

GRADE BEAM SCHEDULE

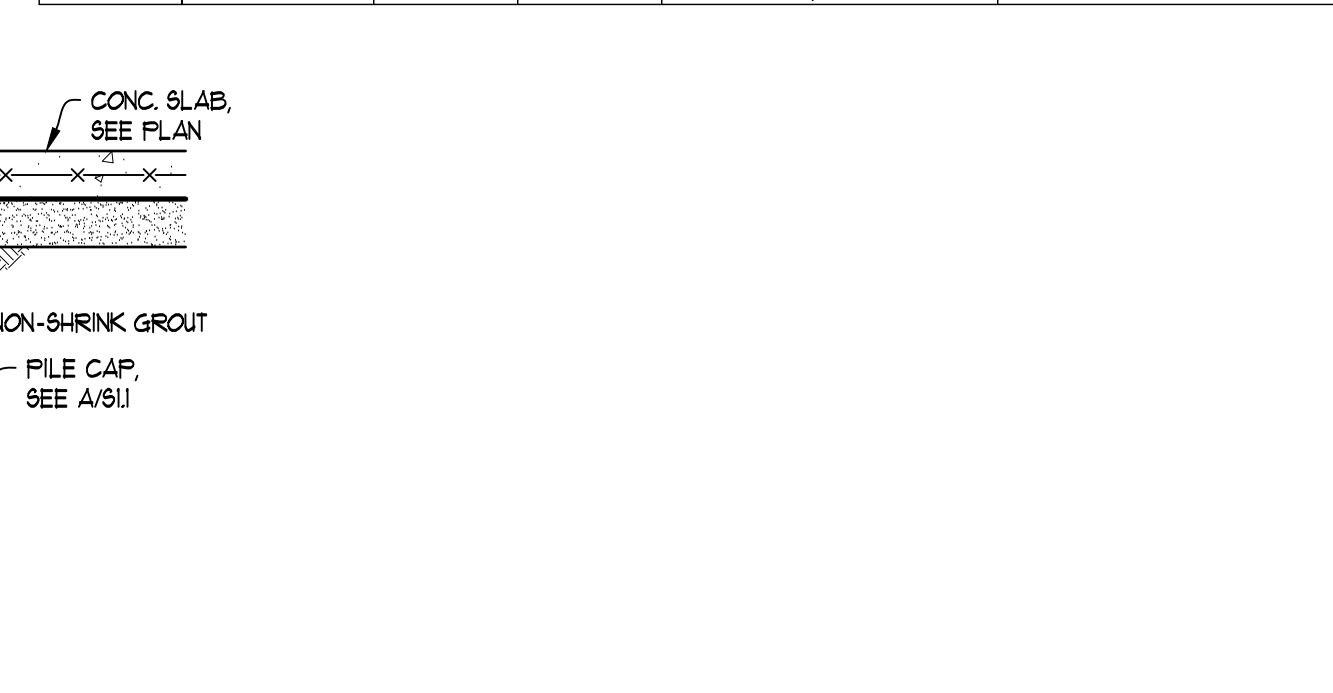
MARK NO.	SIZE W x D	REINFORCING		STIRRUPS	NOTES
		TOP	BOTT.		
GB-1	2'-0" x 1'-8"	4-#6	4-#6	4# STIRRUPS - 5 SPCS AT 8" O.C. EA. END THEN AT 24" O.C. THRU OUT	
GB-2	2'-0" x 1'-8"	4-#6	6-#6	4# STIRRUPS - 5 SPCS AT 8" O.C. EA. END THEN AT 24" O.C. THRU OUT	
GB-3	2'-0" x 1'-8"	5-#6	5-#6	4# STIRRUPS - 5 SPCS AT 8" O.C. EA. END THEN AT 24" O.C. THRU OUT	
GB-4	2'-0" x 1'-0"	3-#6	3-#6	4# STIRRUPS AT 24" O.C. THRU OUT	
GB-5	1'-4" x 1'-0"	2-#5	2-#5	4# STIRRUPS AT 24" O.C. THRU OUT	
GB-6	2'-8" x 1'-8"	4-#6	4-#6	4# STIRRUPS - 5 SPCS AT 8" O.C. EA. END THEN AT 24" O.C. THRU OUT	



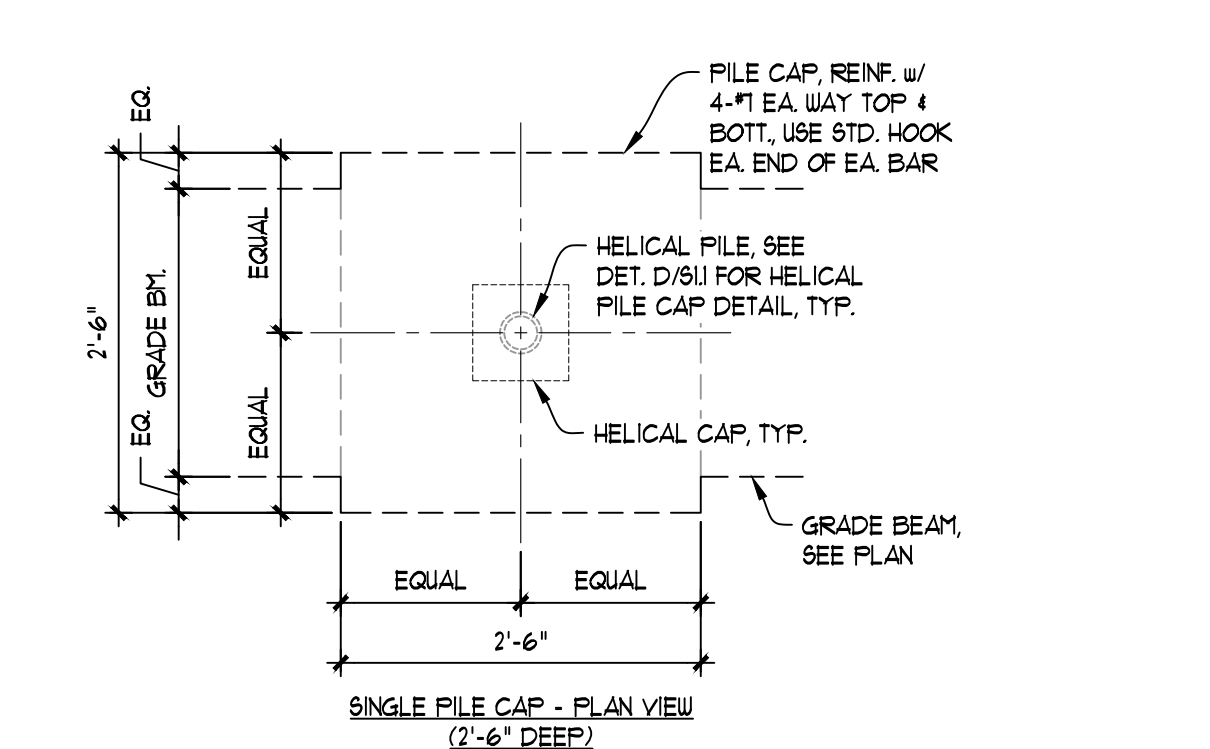
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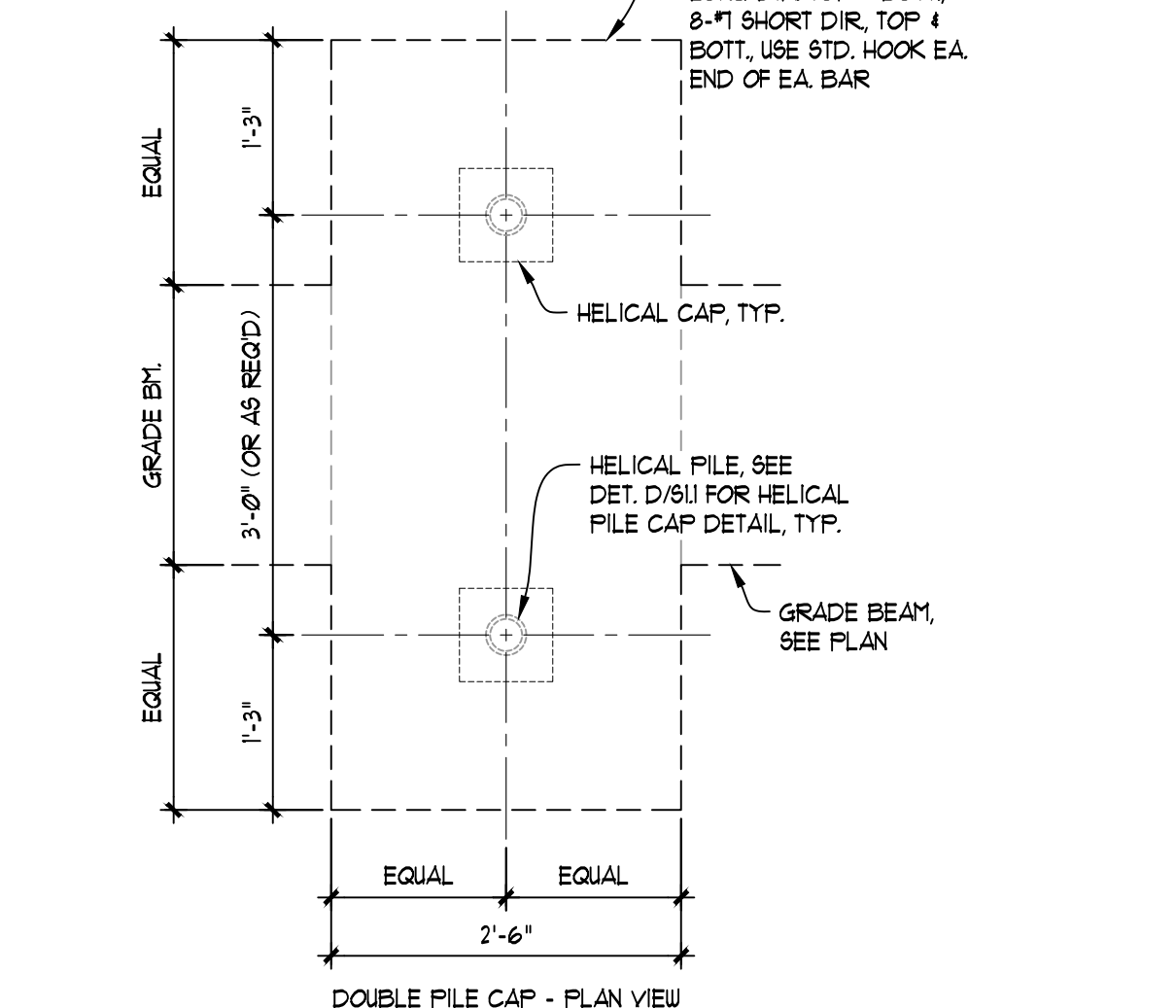
DETAIL D SCALE: 3/4"=1'-0" S1.1



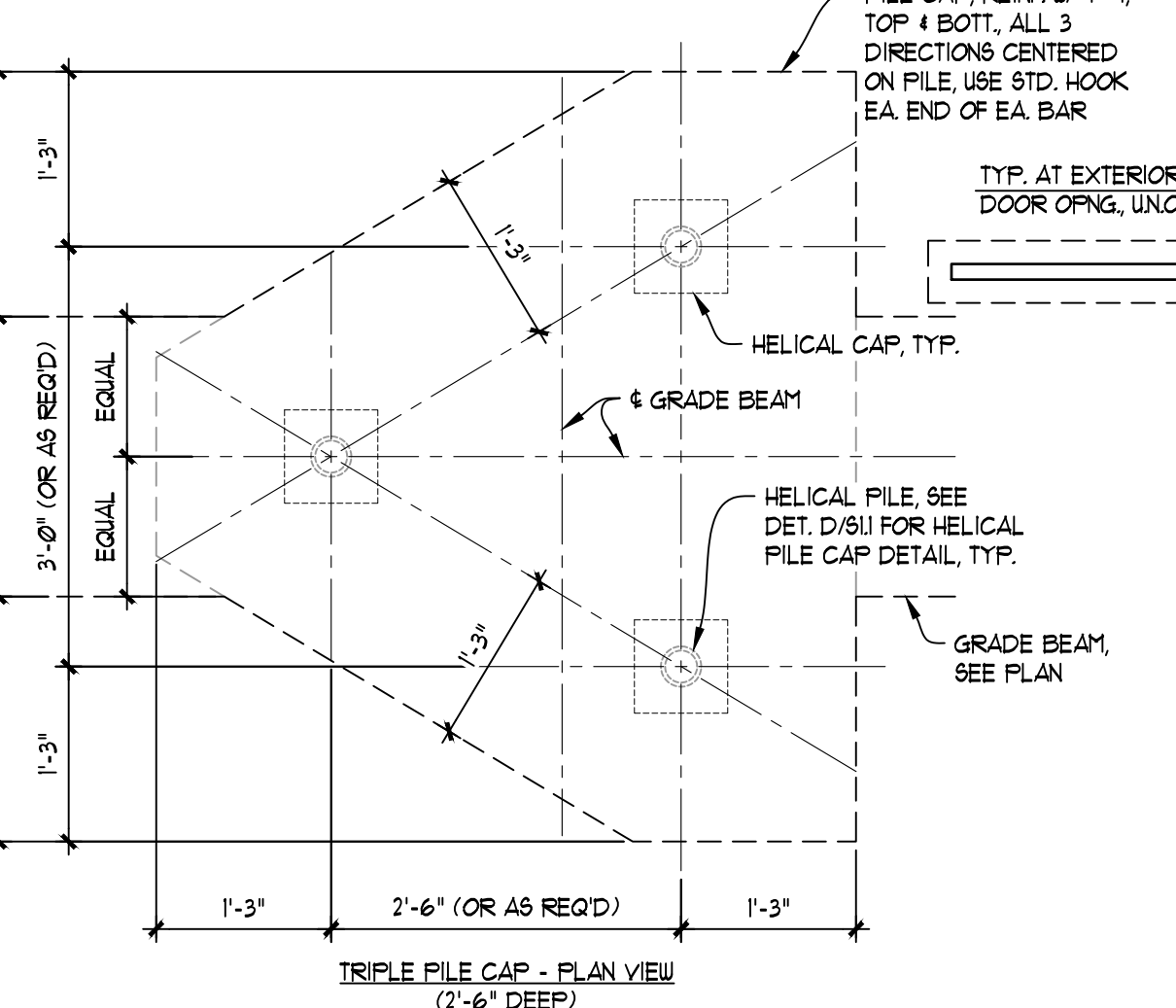
DETAIL E SCALE: 3/4"=1'-0" S1.1



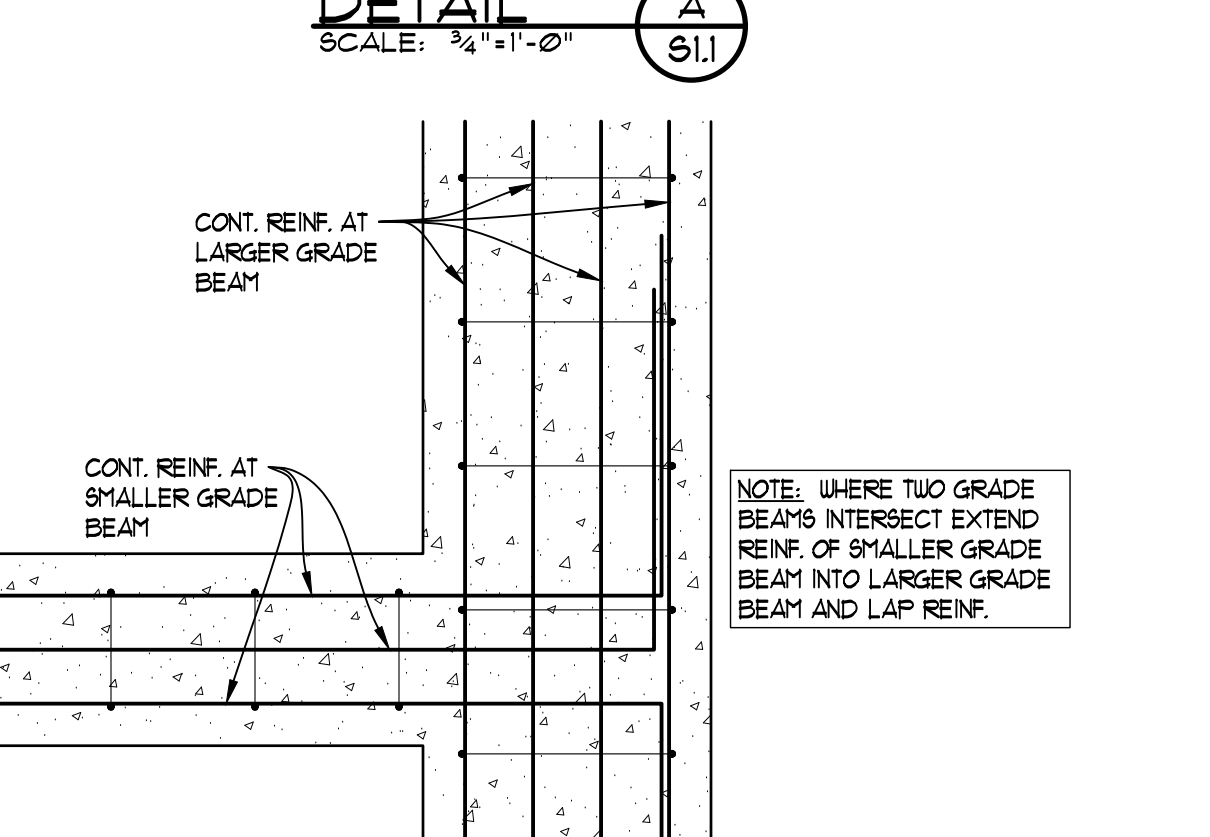
DETAIL A SCALE: 3/4"=1'-0" S1.1



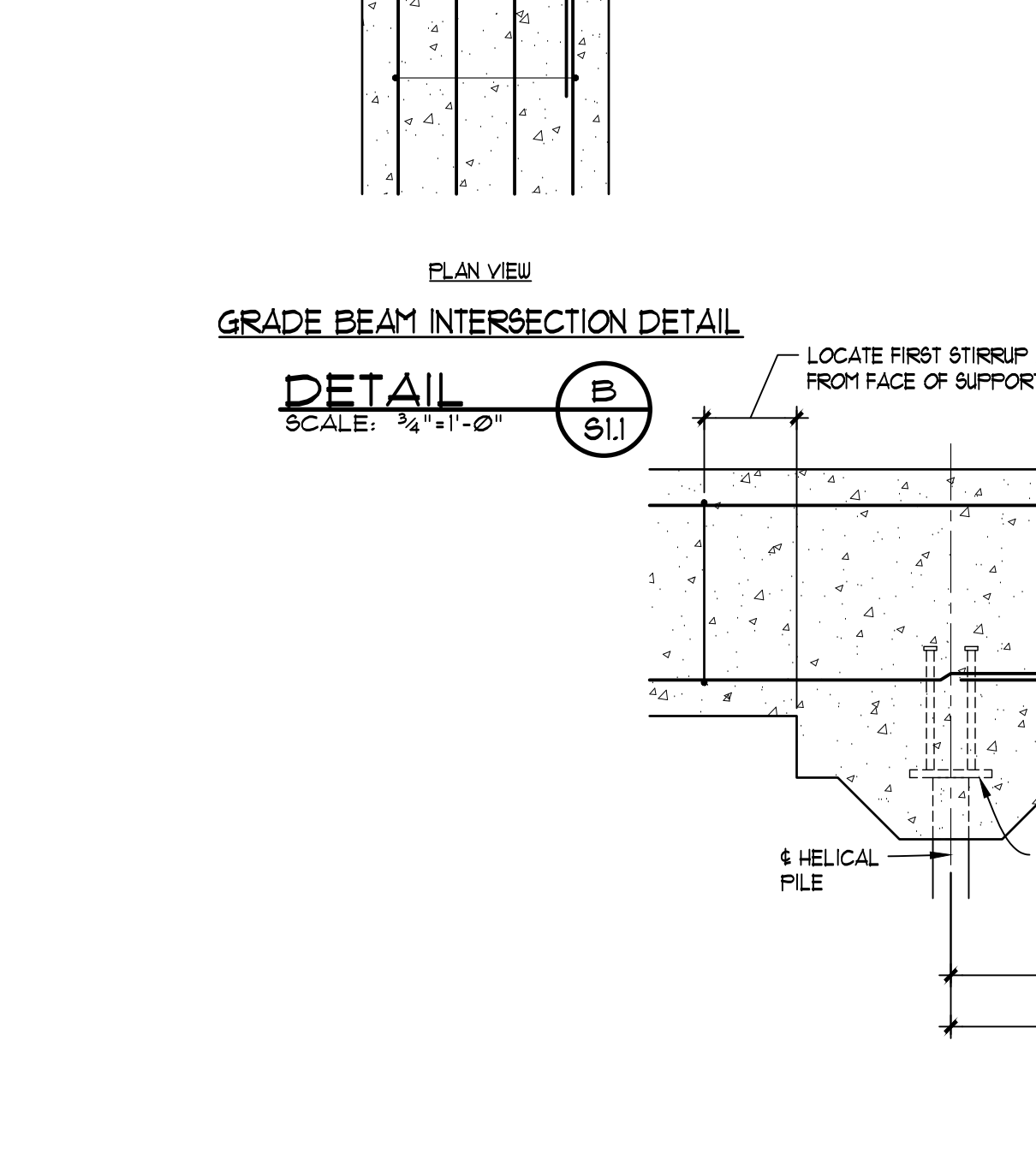
DETAIL B SCALE: 3/4"=1'-0" S1.1



DETAIL C SCALE: 3/4"=1'-0" S1.1



DETAIL B SCALE: 3/4"=1'-0" S1.1



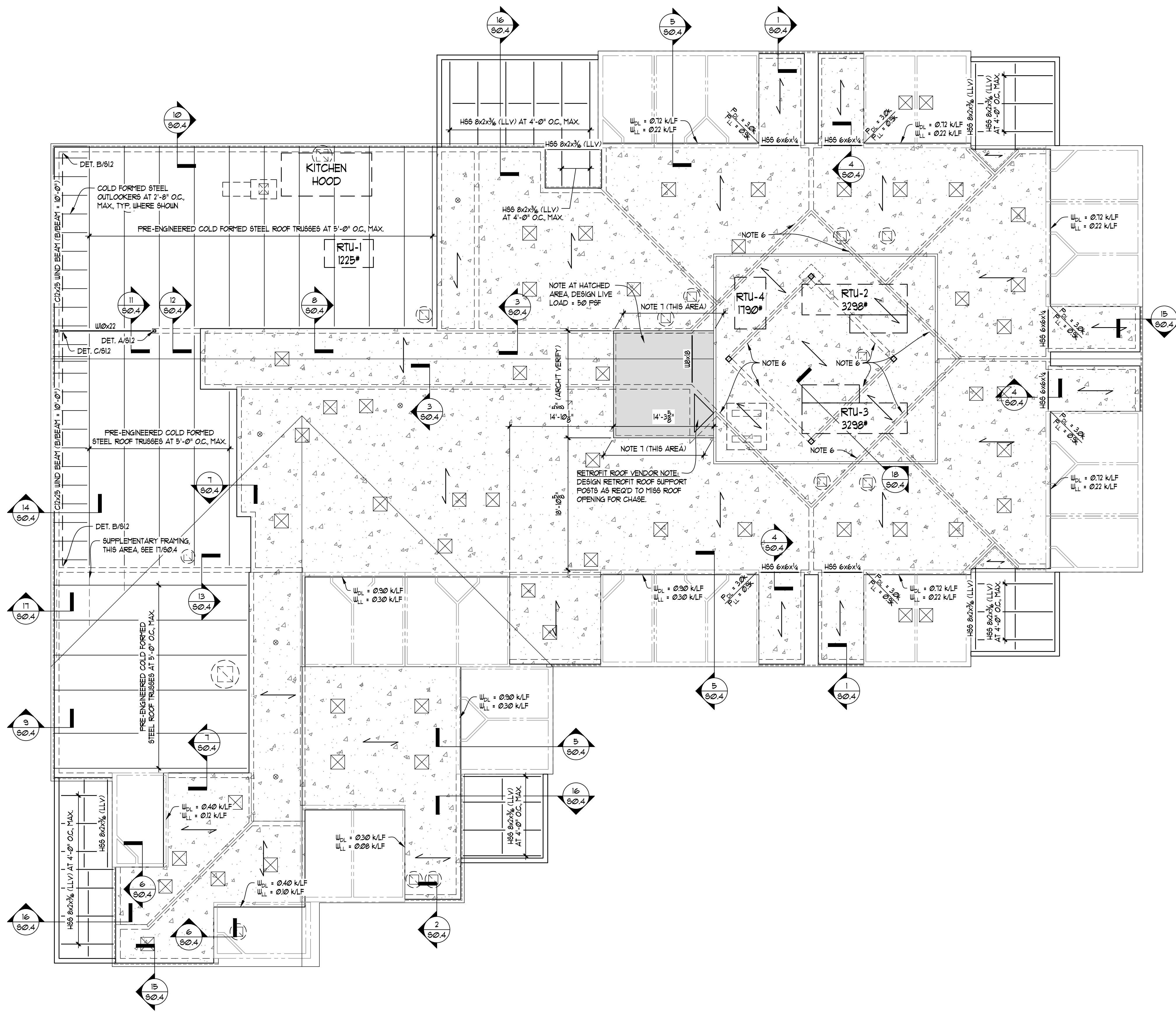
DETAIL C SCALE: 3/4"=1'-0" S1.1

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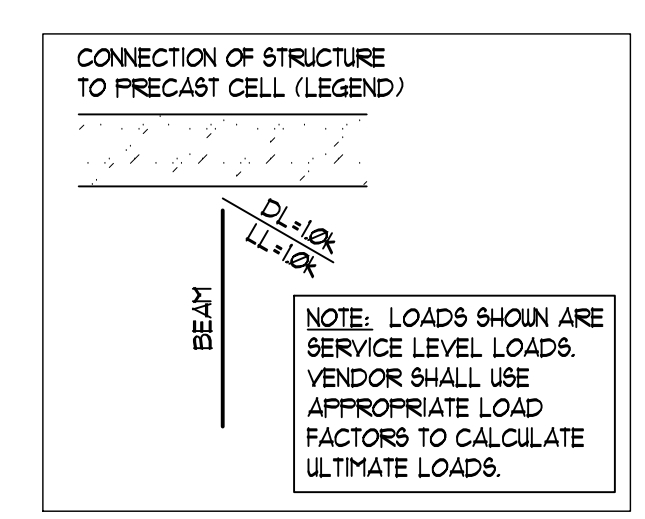
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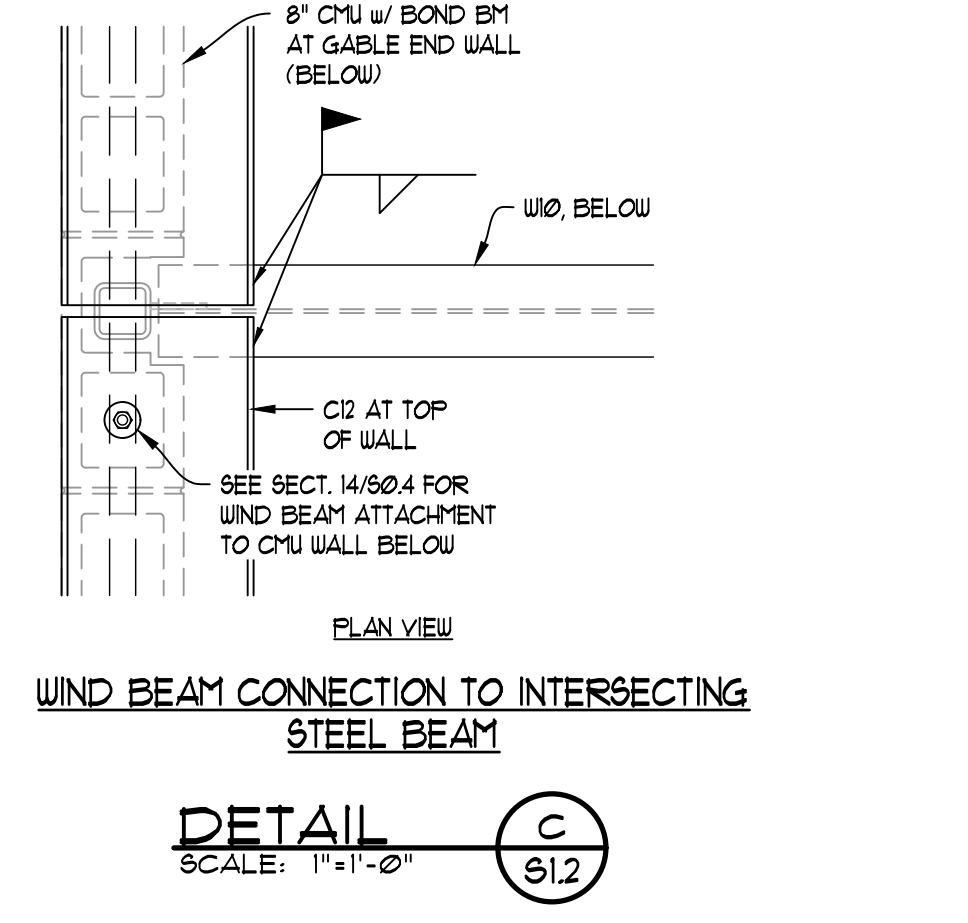
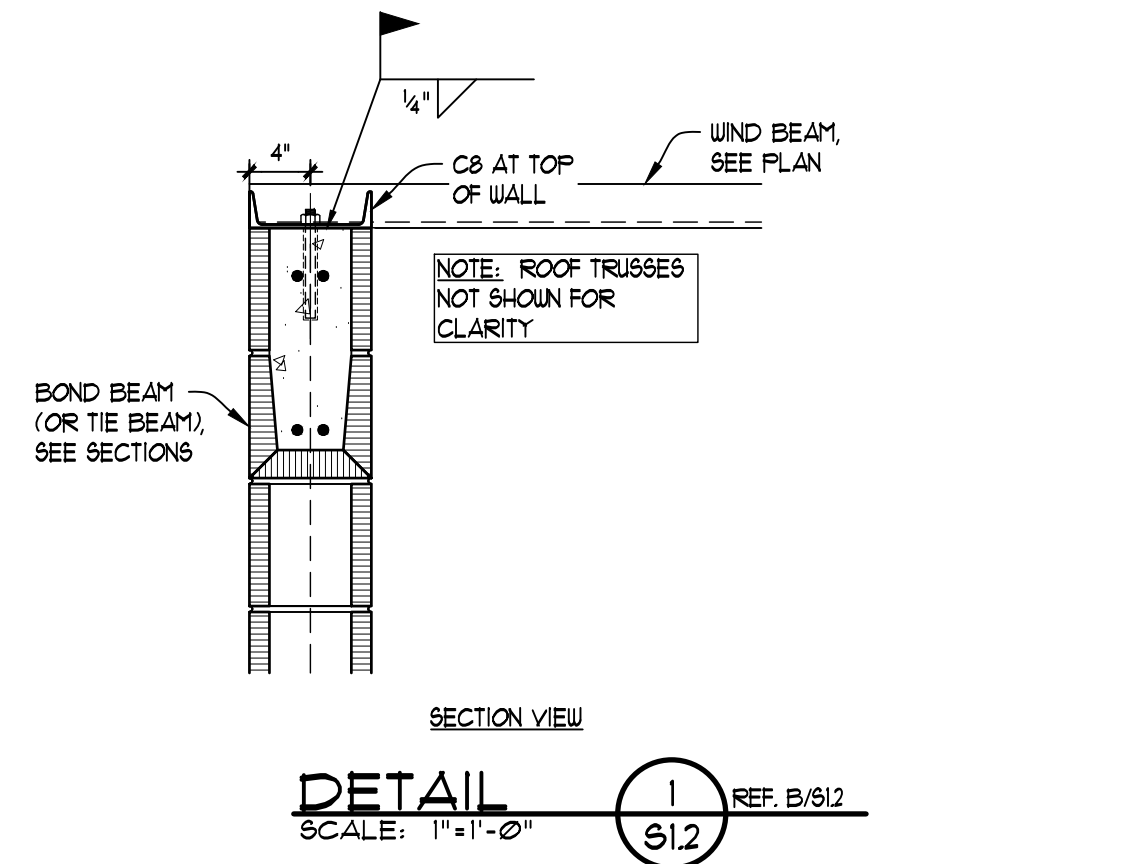
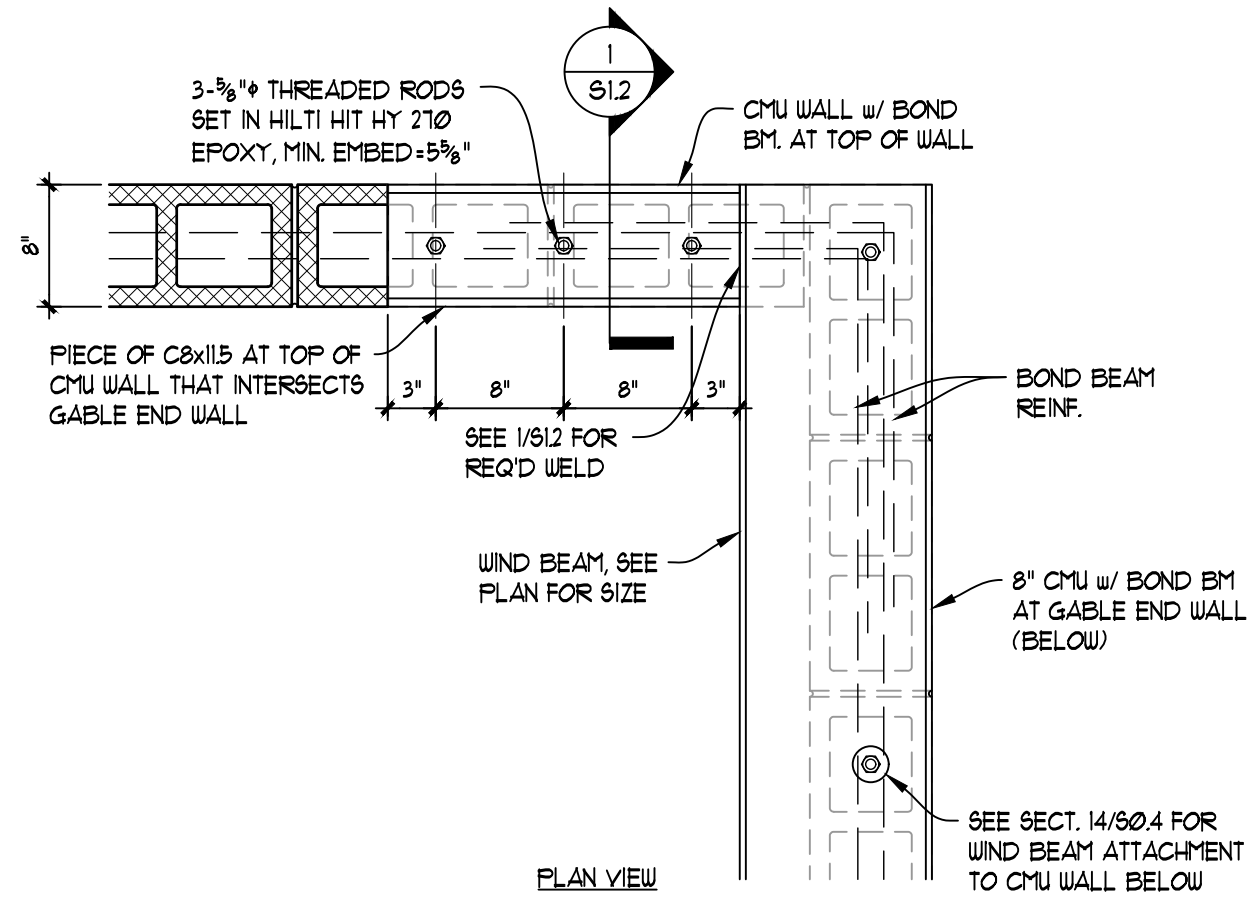
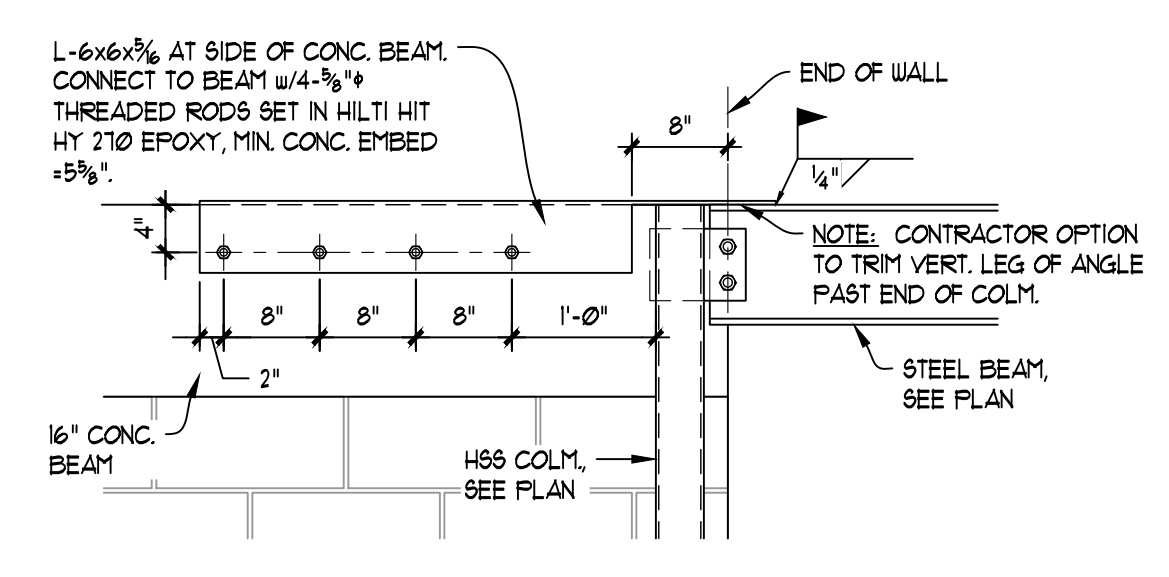
ROOF FRAMING PLAN
SCALE: 1/8"=1'-0"

- NOTES:**
- SEE LEGEND FOR PRECAST HOLLOW CORE CONCRETE PLANK BEARING ELEV. AT ROOF. GROUT ALL JOINTS BETWEEN PLANKS, TYP. UNO.
 - TRUSS BRG. ELEV. = 10'-8" UNO.
 - PRECAST HOLLOW CORE PLANKS AT ROOF LEVEL ARE 8" DP, UNO.
 - RETROFIT METAL ROOF SYSTEM OVER ENTIRE ROOF AREA. SEE DET. 19/502 FOR RETROFIT FRAMING DETAILS.
 - SPAN DIRECTION OF PRECAST HOLLOW CORE PLANKS, TYP.
 - AT INDICATED LOCATION, INSTALL 8"x2-8" DP, CONC. BEAM AT HEAD OF WINDOWS AT CONTROL ROOM + SECURE CORRIDOR. SEE SECT. 19/504.
 - AT NOTED LOCATIONS RETROFIT ROOF STUDS SHALL BE DESIGNED TO SUPPORT CLEAR SPAN JOISTS OVER ROOM 201.
LOADS AT THIS AREA: DL = 01 K/LF
LL = 05 K/LF

LEGEND	
	HOLLOW CORE PLANKS BRG. ELEV. = 10'-8" AFF.
	PENETRATION THROUGH HOLLOW CORE PLANKS. SEE ARCHT. PLUMBING OR MECHANICAL FOR EXACT SIZE. APPROX. LOCATION SHOWN.



- ROOF HOLLOW CORE SUPPLIER NOTES:**
- ALL HOLLOW CORE MUST BE FULLY GROUTED.
 - AT LOCATIONS WHERE HOLLOW CORE PLANK IS PARALLEL TO EXTERIOR WALL, SUPPLIER SHALL FURNISH FULL WIDTH PLANK (MIN. WIDTH=3'-4") ADJACENT TO EXTERIOR WALL. END PLANKS AT THESE LOCATION SHALL BE ATTACHED TO INTERSECTING WALL EACH END PER DET. 25/602.
 - HOLLOW CORE SUPPLIER SHALL BE SOLELY RESPONSIBLE FOR THE DESIGN OF THE HOLLOW CORE PLANKS. DESIGN MUST INCLUDE THE WEIGHT OF ALL MATERIALS SUPPORTED ON OR FROM THE HOLLOW CORE PLANKS INCLUDING CONCENTRATED LOADS FROM MECHANICAL OR KITCHEN EQUIPMENT. DESIGN MUST ALSO ACCOUNT FOR PENETRATIONS THROUGH THE HOLLOW CORE PLANKS. SEE PLAN FOR APPROXIMATE LOCATION OF PENETRATIONS. SEE DET. 25/602 FOR PENETRATION DETAIL.



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3188
REGISTERED ARCHITECT

**CHOCTAW COUNTY JAIL
BUTLER,
ALABAMA**

REGISTERED
No. 2188
PROFESSIONAL
ENGINEER
BRADLEY B. JOHNSON

CONSTRUCTION DOCUMENTS

Project Number: 22-1189
Date: 30 MAY 2024
Revisions:

Sheet Description

ROOF FRAMING PLAN

Sheet Number

S1.2

PLUMBING NOTES

- THESE DRAWINGS ARE SCHEMATIC IN NATURE AND ARE NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS. IT IS INTENDED THAT A COMPLETE PLUMBING SYSTEM BE PROVIDED WITH ALL NECESSARY EQUIPMENT, ACCESSORIES, AND CONTROLS COMPLETELY COORDINATED WITH ALL TRADES. ALL REQUIREMENTS GIVEN IN THESE DOCUMENTS SHALL BE STRICTLY CONFORMED TO, ANY ITEMS AND LABOR REQUIRED FOR A COMPLETE PLUMBING SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS, LOCAL AUTHORITIES AND THESE CONTRACT DOCUMENTS SHALL BE FURNISHED WITHOUT INCURRING ANY ADDITIONAL COST TO THE OWNER. CAREFULLY REVIEW ALL CONTRACT DOCUMENTS AND THE DESIGN OF OTHER TRADES BEFORE PREPARING SHOP DRAWINGS.
- COORDINATE ALL WORK WITH ARCHITECTURAL, STRUCTURAL, HVAC, AND ELECTRICAL TRADES. PIPE ROUTING SHOWN IS DIAGNOSTIC. PROVIDE ALL OFFSETS, ETC., TO AVOID INTERFERENCES WITH EQUIPMENT, PIPING, DUCTWORK, LIGHTS, CONDUIT, ETC.
- FIELD VERIFY EXACT SIZE, MATERIAL, AND LOCATION OF ALL EXISTING UTILITIES BEFORE BEGINNING WORK.
- VERIFY LOCATION OF ALL FIXTURES WITH ARCHITECTURAL PLANS.
- VERIFY ALL FIXTURE MOUNTING HEIGHTS WITH ENGINEER AND ARCHITECT.
- COORDINATE ALL FLOOR PENETRATIONS WITH STRUCTURAL DRAWINGS. SET SLEEVES IN FLOORS/WALLS AND ATTACHMENTS FOR HANGERS AS CONSTRUCTION PROGRESSES. ALL PENETRATIONS MUST BE SEALED AND HELD AS TIGHT TO COLUMNS OR WALLS AS POSSIBLE.
- PROVIDE 12"x12" ACCESS PANEL FOR SHOCK ABSORBERS, TRAP PRIMERS, AND ALL VALVES LOCATED ABOVE NON-ACCESSIBLE CEILING AND INSIDE PIPE CHASES. EXACT LOCATION MUST BE COORDINATED WITH ARCHITECTURAL AND APPROVED BY ARCHITECT PRIOR TO INSTALLATION.
- ALL PIPING SHALL BE CONCEALED INSIDE WALLS, WITHIN PIPE CHASES, OR ABOVE CEILING. HOLD ALL PIPING ABOVE CEILING AS HIGH AS POSSIBLE.
- COORDINATE ALL UNDERGROUND PIPING WITH GRADE BEAMS, WALL FOOTINGS, AND OTHER STRUCTURAL CONDITIONS.
- PLUMBING CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO ALL EQUIPMENT INDICATED ON DRAWINGS FINAL CONNECTION SHALL INCLUDE ANY ADAPTORS, NIPPLES, SHUT-OFF VALVES, P/RV'S, SHOCK ABSORBERS, BACKFLOW PREVENTION DEVICES, REGULATORS, ETC.
- ALL STRUCTURAL PENETRATIONS (SLEEVES, BLOCK OUTS, ETC.) ARE TO BE LOCATED AND COORDINATED IN THE FIELD BY THE CONTRACTOR IN RELATION TO THE REQUIREMENTS OF FINAL EQUIPMENT AND FIXTURES SELECTED.
- CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO ALL DOMESTIC WATER AND SANITARY SEWERS, UNLESS OTHERWISE NOTED.
- ALL PLUMBING COMPONENTS TO BE LEAD-FREE.
- ENCASE ALL WASTE/WATER PIPING, VALVES, WATER HEATER, OR ANY OTHER ASSOCIATED PLUMBING EQUIPMENT BELOW WALL HUNG LAVATORY, WITH TRUEBRO LAV-SHIELD (OR APPROVED EQUAL). THIS APPLIES TO ALL ADA LAVS, LAVS WITH MIXING VALVES MOUNTED BELOW LAV, AND ALL LAVS THAT INCLUDE INSTANTANEOUS ELECTRIC WATER HEATERS MOUNTED BELOW LAVS. LAV GUARD SHALL INCLUDE STAINLESS STEEL TAMPER RESISTANT SOREMS. LAV-SHIELD SHALL BE ORDERED TO MATCH SPECIFIED/APPROVED LAVATORY.
- HORIZONTAL DRAINAGE PIPING OF 2-1/2" DIAMETER OR LESS SHALL BE INSTALLED WITH A FALL OF NOT LESS THAN 1/4" PER FOOT. PIPING 3" AND LARGER SHALL BE INSTALLED WITH A FALL OF NOT LESS THAN 1/8" PER FOOT.
- SET FLOOR DRAIN ELEVATION DEPRESSED BELOW FINISHED SLAB ELEVATION AS LISTED BELOW TO PROVIDE PROPER FLOOR SLOPE TO DRAIN:
5 FOOT DRAIN RADIUS : 1/2" DEPRESSION
10 FOOT DRAIN RADIUS : 3/4" DEPRESSION
15 FOOT DRAIN RADIUS : 1" DEPRESSION
20 FOOT DRAIN RADIUS : 1-1/4" DEPRESSION
25 FOOT DRAIN RADIUS : 1-1/2" DEPRESSION
- ALL TRAP ARMS, P-TRAPS, ETC. EXPOSED UNDER LAVATORIES SHALL BE 18 GA. CHROME PLATED.
- ABOVE GROUND DRAINAGE AND VENT PIPING LOCATED WITHIN FIRE RATED WALLS SHALL BE COPPER PIPE IN ACCORDANCE WITH STANDARDS ASTM B42 AND B302 OR CAST IRON PIPE IN ACCORDANCE WITH STANDARDS ASTM A 74; ASTM A 888; CISPI 301. COORDINATE WITH ARCHITECTURAL LIFE SAFETY PLANS FOR EXACT LOCATION OF ALL FIRE WALLS.
- COORDINATE ALL FLOOR SINK GRATE ORIENTATIONS AND REQUIRED OPEN SPACES (1/2 GRATE, 3/4 GRATE, ETC.) WITH KITCHEN CONSULTANT, ARCHITECT, OR ENGINEER.
- ALL CONDENSATE DRAIN PIPING LOCATED WITHIN RETURN AIR PLENUM SHALL BE TYPE "L" COPPER. ALL COPPER PIPING MUST BE INSULATED WITH 1/2" ARMAFLEX OR APPROVED EQUAL. PIPING CAN ALSO BE SCHEDULE 40 GPVC. ALL CONDENSATE DRAIN PIPING THAT IS NOT LOCATED WITHIN RETURN AIR PLENUM MAY BE SCHEDULE 40 PVC WITH 1/2" ARMAFLEX INSULATION (OR APPROVED EQUAL). INSULATION SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATION. COORDINATE WITH HVAC PLAN FOR REQUIREMENT AND LOCATION OF AIR PLENUMS).
- INSTALL ANGLE COVER OVER CONDENSATE LINES, SPRINKLER LINES, ETC. THAT CROSS MEZZANINE/MECH ROOM FLOOR WHERE TRIPPING MIGHT BE A HAZARD. PRIME AND PAINT ANGLE COVER SAFETY YELLOW COLOR.
- VERIFY ORIENTATION OF FLUSHING MECHANISM ON TOILET/URNAL WITH ARCHITECT/ENGINEER PRIOR TO ROUGH-IN.
- PROVIDE WATER PRESSURE REDUCING/REGULATING VALVE ON MAIN SERVICE WHEN MAIN PRESSURE EXCEEDS 75 PSI AT ANY TIME OF DAY. COORDINATE WITH LOCAL UTILITY.
- PROVIDE REDUCED PRESSURE BACKFLOW PREVENTER AT ALL CONNECTIONS TO MECHANICAL EQUIPMENT, KITCHEN AND LAUNDRY EQUIPMENT, ETC., AS REQUIRED BY CODE AND BY LOCAL AUTHORITY. CONTRACTOR IS TO VERIFY WITH THE LOCAL AUTHORITY THE TYPE OF BACKFLOW PREVENTION DEVICE REQUIRED FOR ALL APPLICATIONS PRIOR TO INSTALLATION.
- ALL OVERHEAD WATER PIPING SHALL BE INSTALLED BELOW CEILING INSULATION.
- INSTALL BACKFLOW PREVENTION IN ACCORDANCE WITH CITY AND STATE REQUIREMENTS. INSTALL ON MAIN DOMESTIC WATER SERVICE TO THE BUILDING.
- CONTRACTOR SHALL INSTALL WATER HAMMER ARRESTER EQUAL TO ZURN SERIES 1700 AT EACH PLUMBING GROUP.
- CONTRACTOR TO FURNISH AND INSTALL ANTI-SIPHON VALVE ON EACH WATER HEATER.
- CONTRACTOR SHALL FURNISH AND INSTALL BALL VALVES FOR WATER SHUT-OFF AT FIXTURE GROUPINGS.
- TRAP PRIMERS TO BE PRECISION PLUMBING PRODUCTS MODEL NO. P0-500 WITH A6-500 AIR GAPS OR APPROVED EQUAL. DISTRIBUTION CUP (DU-4) ABOVE CEILING OR BEHIND ACCESS PANEL FOR UP TO FOUR FLOOR DRAINS.
- WATER HEATERS SHALL INCLUDE HEAT TRAP FITTING ON INLET AND OUTLET WATER CONNECTIONS.
- ALL STOPS/SUPPLIES SHALL BE CHROME PLATED BRASS.
- ALL GAS PIPING SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH NFPA 54, INTERNATIONAL FUEL GAS CODE.
- ALL EXPOSED INTERIOR OR EXTERIOR GAS LINES ARE TO BE PAINTED BY THE PLUMBING CONTRACTOR WITH ONE COAT OF LATEX PAINT. INTERIOR COLOR TO MATCH WALL. EXTERIOR COLOR TO BE SELECTED BY ARCHITECT.
- PROVIDE INSULATING UNION BETWEEN ABOVE AND BELOW GROUND GAS PIPING.
- LABEL ALL 2 PSIG GAS PIPING IN ACCORDANCE WITH ANSI/ASME A13.1-2020, 2015 INTERNATIONAL CODES & NFPA 54.
- FURNISH AND INSTALL GAS PRESSURE REGULATING/REDUCING VALVES WITH LEAK LIMITING DEVICE AT EACH APPLANCE. WHERE REGULATORS ARE NOT SELF-LIMITING TYPE, VENTS SHALL BE EXTENDED TO THE BUILDING EXTERIOR.
- HOLD PIPING IN PLUMBING CHASES TIGHT TO WALLS TO ALLOW CHASE ACCESS AS MUCH AS POSSIBLE.

PLUMBING LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SANITARY SEWER		CLEANOUT UP TO GRADE
	GREASE WASTE		FLOOR DRAIN
	VENT		FLOOR SINK
	VENT BELOW GRADE/FLOOR		HUB DRAIN
	STORM DRAIN		HOT WATER RETURN PUMP
	STORM DRAIN EMERGENCY OVERFLOW DRAIN		BALL VALVE
	COLD WATER		BALL VALVE IN PLASTIC METER BOX W/ CAST IRON LID
	110° HOT WATER		VENT THRU ROOF
	140° HOT WATER		AIR ADMITTANCE VALVE (SBOCI APPROVED)
	140° HOT WATER RETURN		1/2" TRAP PRIMER LINE
	NATURAL GAS		
	CONDENSATE DRAIN		

PLUMBING EQUIPMENT SCHEDULE

MARK NO.	FIXTURE TYPE	MANUFACTURER'S MODEL NO.	MOUNT	MOUNT HEIGHT	WASTE SIZE	VENT SIZE	C.W. SIZE	H.W. SIZE	NOTES
WC-1A	WATER CLOSET FLUSH VALVE ADA	ZURN MODEL NO. Z5665.214 OR APPROVED EQUAL	FLOOR	16-1/8" TO RIM	4"	2"	1-1/4"	-	WHITE ELONGATED VITREOUS CHINA. FLUSH VALVE WALL SUPPORT. WHITE OPEN FRONT SOLID BRASS SEAT. BOLT GAPS: 12" ROUGH-IN. ZURN BATTERY OPERATED ZIRBOODY FLUSHMETER VALVE W/ MANUAL OPERATOR.
WC-2	SECURITY COMBY CENTER MOUNT FRONT ACCESS	ACORN MODEL NO. 1418FA-CT-2-BP-04-M-1.6PFF-1N-1E-1H-1P-1F-1R-1S-1W OR APPROVED EQUAL	FLOOR	-	1-1/2" 4"	2"	1/2" 1-1/4"	1/2"	ON-FLOOR WALL OUTLET. CENTERED TOILET; BUBBLER. PENAL AIR CONTROL. HAC. METERS; ULF-1.6 OFF. HYDRAULIC FLUSH VALVE. 2898 TV ACCESS PANEL. FLOOR-TROL. SLIDE.
WC-3	CELL MODULE W/ COMBY WATER CLOSET	PROVIDED WITH CELL MODULE REF ARCHITECT DETAILS	FLOOR	-	1-1/2" 4"	2"	1/2" 1-1/4"	1/2"	CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS WITHIN CHASE TO CELL FIXTURE, INCLUDING FITTINGS, PIPE, ETC.
WC-4	CELL MODULE W/ COMBY WATER CLOSET - ADA	PROVIDED WITH CELL MODULE REF ARCHITECT DETAILS	FLOOR	-	1-1/2" 4"	2"	1/2" 1-1/4"	1/2"	CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS WITHIN CHASE TO CELL FIXTURE, INCLUDING FITTINGS, PIPE, ETC.
WC-5	SECURITY COMBY FLOOR MOUNT FRONT ACCESS OFFSET, ADA	ACORN MODEL NO. 1449FA-XX-2-DMB-BP-04-M-PBH-1.6PFF-1N-1E-1H-1P-1F-1R-1S-1W OR APPROVED EQUAL	FLOOR	-	1-1/2" 4"	2"	1/2" 1-1/4"	1/2"	ON-FLOOR WALL OUTLET. OFFSET TOILET. COORDINATE LEFT/RIGHT OFFSET W/ PLAN; PENAL BUBBLER; HW & CW, METERS; PNEUMATIC CONTROL. HEMISPHERICAL DISBURSTION; 1.6 OFF. HYDRAULIC FLUSH VALVE; PAPER HOLDER. LAVATORY OVERFLOW; FLOOR-TROL. AUTO-RESET; WALL SLEEVE.
L-1	LAVATORY 20"x18"	ZURN MODEL NO. Z5344 OR APPROVED EQUAL	WALL	31" TO LIP	1-1/4"	1-1/4"	1/2"	1/2"	WHITE VITREOUS CHINA. OPEN GRID STRAINER. DELTA MODEL 501-SST FAUCET. W/ 0.9 GPM AERATOR. P-TRAP W/ CLEANOUT. CONCEALED ARM CARRIER. SUPPLIES W/ STOPS. M-11 BRONZE VALVE BELOW SINK.
L-1A	LAVATORY, ADA 20"x18"	ZURN MODEL NO. Z5344 OR APPROVED EQUAL	WALL	34" TO LIP	1-1/4"	1-1/4"	1/2"	1/2"	WHITE VITREOUS CHINA. OPEN GRID STRAINER. DELTA MODEL 501-SST FAUCET. W/ 0.9 GPM AERATOR. P-TRAP W/ CLEANOUT. CONCEALED ARM CARRIER. SUPPLIES W/ STOPS. M-11 BRONZE VALVE BELOW SINK.
SS-1	SERVICE SINK	FIAT MODEL NO. MSB-2424 OR APPROVED EQUAL	FLOOR	SEE DETAIL	3"	2"	1/2"	1/2"	MOLDED-STONE. DELTA NO. 2878183. 3" IPS STRAINER. POLISHED CHROME FAUCET WITH VACUUM BREAKER, HOSE/ WALL BRACKET, MOP HANGER
SS-2	SERVICE SINK CORNER	FIAT MODEL NO. T8BC 6000 24" x 24" x 12" OR APPROVED EQUAL	FLOOR	SEE DETAIL	3"	2"	1/2"	1/2"	MOLDED-STONE. DELTA NO. 2878183. 3" IPS STRAINER. POLISHED CHROME FAUCET WITH VACUUM BREAKER, HOSE/ WALL BRACKET, MOP HANGER
ES-1	EXAM ROOM SINK	ELKAY MODEL NO. BCR-15 OR APPROVED EQUAL	CABINET	-	1-1/2" 4"	1-1/4"	1/2"	1/2"	STAINLESS STEEL DELTA 353P-HR FAUCET. 1" HIGH GOSSENDIC SPOUT. 4" WREST BLADE HANDLES. S.S. GRID DRAIN. 3/8" C.P. ANGLE STOPS & SUPPLIES. 1-1/2" C.P. 17 GA. P-TRAP.
SH-1	SECURITY SHOWER HEAD, ADA	ACORN MODEL 1741-3-F-PBH-RD-SW OR APPROVED EQUAL	WALL	REF ARCH	-	-	1/2"	1/2"	FRONT ACCESS WITH MIXING VALVE. AIR CONTROL. H.W. & C.W. 2.0 GPM FLOW CONTROL. PUSHBUTTON. RECESSED SOAP DISH. MOUNTING FRAME AND HARDWARE
SH-1A	SECURITY SHOWER HEAD, ADA	ACORN MODEL 1741-ADA-3-F-FH-MT-PBH-SW OR APPROVED EQUAL	WALL	REF ARCH	-	-	1/2"	1/2"	FRONT ACCESS WITH MIXING VALVE. ADA CONTROL VALVE. AIR CONTROL. H.W. & C.W. 2.0 GPM FLOW CONTROL. PUSHBUTTON. RECESSED SOAP DISH. MOUNTING FRAME AND HARDWARE
LT-1	LAUNDRY TUB	CRANE MODEL NO. 7-503 OR APPROVED EQUAL	WALL	27-3/4"	3"	2"	1/2"	1/2"	WHITE VITREOUS CHINA. IRON. KOHLER K-8904. 3" IPS STRAINER. POLISHED CHROME FAUCET WITH VACUUM BREAKER, HOSE/ WALL BRACKET, MOP HANGER

EQUALS BY ELER, KOHLER, TOTO, AND AMERICAN STANDARD WILL BE ACCEPTED.

PLUMBING SPECIALTY SCHEDULE

MARK NO.	FIXTURE TYPE	MANUFACTURER'S MODEL NO.	MOUNT	MOUNT HEIGHT	WASTE SIZE	VENT SIZE	C.W. SIZE	H.W. SIZE	MIXED WATER SIZE	NOTES	
FD-1	FLOOR DRAIN	ZURN MODEL NO. ZN415B2-P-VP LEVELING STRAINER OR APPROVED EQUAL	FLOOR	-	4"	2"	1/2"	-	-	NICKEL BRONZE ADJUSTABLE TOP 1/2" TRAP PRIMER W/ PROSET SYSTEM INC. TG34IP RETROFIT TRAP GUARD, SECURITY SCREWS	
FD-2	FLOOR DRAIN (SHOWER)	ZURN MODEL NO. ZN-305 PRISON FLOOR DRAIN OR APPROVED EQUAL	FLOOR	-	4"	2"	-	-	-	5" DIA. NICKEL BRONZE ADJUSTABLE TOP SECURITY SCREWS	
FD-3	FLOOR DRAIN (CELL CHASE)	ZURN MODEL NO. ZN415B2-P-VP LEVELING STRAINER OR APPROVED EQUAL	FLOOR	-	2"	2"	1/2"	-	-	NICKEL BRONZE ADJUSTABLE TOP 1/2" TRAP PRIMER W/ PROSET SYSTEM INC. TG34IP RETROFIT TRAP GUARD, SECURITY SCREWS	
FD-4	FLOOR DRAIN (KITCHEN)	ZURN MODEL NO. ZN415B2-P-VP LEVELING STRAINER OR APPROVED EQUAL	FLOOR	-	4"	2"	1/2"	-	-	NICKEL BRONZE ADJUSTABLE TOP 1/2" TRAP PRIMER W/ PROSET SYSTEM INC. TG34IP RETROFIT TRAP GUARD, SECURITY SCREWS	
DT-1/ DRV-1	DETOX TOILET (REF. PLANS)	ACORN MODEL NO. 1699-W-3 OR APPROVED EQUAL	-	-	4"	2"	3/4"	-	-	ACORN MODEL NO. 17V REMOTE LOCATION FLUSH VALVE (DRV-1) WITH ACORN ACCESS PANEL MODEL 2898, ON-FLOOR OUTLET	
FS-1	FLOOR SINK KITCHEN	ZURN MODEL NO. ZN-1910-1 OR APPROVED EQUAL	FLOOR	-	4"	2"	-	-	-	8"X8" TOP, DOME STRAINER, WHITE ACID RESISTANT INTERIOR, ALUM. BUCKET W/ SST LINER, LESS GRATE	
HD-1	HUB DRAIN	PROSET MODEL SYSTEM INC. MODEL NO. TG34IP OR APPROVED EQUAL	FLOOR	-	4"	2"	1/2"	-	-	STUB TO 1" A.F.F. 1/2" TRAP PRIMER	
HD-2	HUB DRAIN (CONDENSATE)	PROSET MODEL SYSTEM INC. MODEL NO. TG34IP OR APPROVED EQUAL	FLOOR	-	2"	2"	-	-	-	-	
F.C.O.	FLOOR CLEANOUT	ZURN MODEL NO. ZN-1400-2 OR APPROVED EQUAL	FLOOR	-	4"	-	-	-	-	6" DIA. ADJUSTABLE NICKEL BRONZE TOP SECURITY FASTENERS REQUIRED IN ALL SECURE AREAS.	
W.C.O.	WALL CLEANOUT	ZURN MODEL NO. Z-1441 OR APPROVED EQUAL	WALL	-	4"	-	-	-	-	7" DIA. STAINLESS STEEL COVER SECURITY FASTENERS REQUIRED IN ALL SECURE AREAS.	
WH-1	WALL HYDRANT	WOODFORD MODEL NO. B65 OR APPROVED EQUAL	WALL	18" TO 24"	-	-	3/4"	-	-	FREEZELESS, ANTI-SIPHON, LOCKING BOX	
WH-2	WALL HYDRANT	WOODFORD MODEL NO. 19 OR APPROVED EQUAL	WALL	18" TO 24"	-	-	3/4"	-	-	FREEZELESS, ANTI-SIPHON	
W.H.A.	WATER HAMMER ARRESTER	ZURN SERIES 1700 OR APPROVED EQUAL	-	-	-	-	VARIES	VARIES	-	-	
WB-1	ICE/MAKER WALLBOX	QATEY MODEL NO. 38574 OR APPROVED EQUAL	WALL	36" AFF	-	-	1/2"	-	-	1/4 TURN BRASS BALL VALVE - COPPER SWEAT - STANDARD PACK WITH 6" STAINLESS STEEL HOSE	
WB-2	WASHER WALLBOX	ACORN MODEL NO. 8186-SLSF OR APPROVED EQUAL	WALL	36" A.F.F.	2"	1-1/2"	1/2"	1/2"	-	WITH SECURITY FASTENERS	
W-1	COMMERCIAL WASHER	FURNISHED BY LAUNDRY SUPPLIER INSTALLED BY PLUMBING CONTRACTOR	-	-	-	-	CWD-1	CWD-1	3/4"	3/4"	PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL PIPE, FITTINGS, DRAINS, WATER, ETC. REQUIRED FOR INSTALLATION.
CWD-1	COMMERCIAL WASHER DRAIN	SUPPLIED & INSTALLED BY PLUMBING CONTRACTOR H-M COMPANY	FLOOR	-	6"	2"	-	-	-	SEE TYPICAL COMMERCIAL WASHER DRAIN DETAIL ON SHEET P1.3	
AD-1/ AD-2	SECURITY ACCESS DOOR	ACODOR MODEL NO. SD-8000 BY PLUMBING CONTRACTOR	WALL	-	-	-	-	-	-	AD-1 SIZE: 12"x12"; AD-2 SIZE: 18"x18" STAINLESS STEEL	

NOTES: 1. EQUALS BY SMITH OR JONES WILL BE ACCEPTED 2. ALL DRAINS, FLOOR CLEANOUTS, WALL CLEANOUTS, ETC. TO BE INSTALLED WITH SECURITY FASTENERS

ELECTRIC WATER COOLER SCHEDULE

MARK NO.	FIXTURE TYPE	MANUFACTURER'S MODEL NO.	MOUNT	MOUNT HEIGHT	WASTE SIZE	VENT SIZE	C.W. SIZE	NOTES
EW-1	ELECTRIC WATER COOLER, ADA SPLIT LEVEL	ELKAY MODEL NO. EZSTLW5SK OR APPROVED EQUAL	WALL	34-1/2" TO NOZ. CENTER	1-1/4"	1-1/4"	1/2"	ADA MOUNTED AT 34.5" AFF TO NOZZLE CENTERLINE. STAINLESS STEEL W/ TRIM BEZEL, WITH BOTTLE FILLING STATION, FILTER, MOUNTING KIT

MIXING VALVE SCHEDULE

MARK NO.	MANUFACTURER'S MODEL NO.	TEMPERATURE (°F)	INLET	OUTLET
MV-1	POWERS SERIES LFLM495	SET AT 90°-110°	1/2"	1/2"
MV-2	POWERS SERIES LFLM496	SET AT 90°-110°	3/4"	3/4"

NOTE: UNLESS OTHERWISE NOTED, MIXING VALVES SHALL CONFORM TO ASSE 1070 AND ASSE 1017

ROOF DRAIN SCHEDULE

MARK NO.	MANUFACTURER'S MODEL NO.	SIZE	NOTES
RD-1	ZURN MODEL NO. Z-100 OR APPROVED EQUAL	4" DIA	UNDERDECK ROOF CLAMP - ALTERNATE: MIFAB MODEL NO. R1200

- SLOPE ALL HORIZONTAL RUNS OF ROOF DRAIN PIPING 1/8" PER FT.
- ROOF DRAINS SHALL BE INSULATED WITH 1/2" THICK FIBERGLASS INSULATION.
- ROOF DRAIN PIPING MAY BE SCH. 40 PVC HOWEVER, ALL FLOOR/FIRE BARRIER PENETRATIONS MUST BE FIRE STOPPED IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL CODES.
- CAST IRON DOME

CIRCULATOR PUMP SCHEDULE

MARK NO.	TYPE	GPM	TOTAL HEAD FT. W.G.	MAXIMUM H.P.	MINIMUM EFFICIENCY	ELECTRICAL	DESIGN MFG.	DESIGN MODEL NO.	NOTES
CP-1	IN-LINE CENTRIF.	0-11	0-4.5	1/40	-	120-1-60	TACO	00663LC	① ② ③

NOTES:
① SmartPlus-e HOT WATER RECIRCULATION PUMP WITH SmartPlug CONTROLS FOR DOMESTIC WATER
② 1" BRONZE SWEAT
③ 6 FT. CORD

GAS WATER HEATER SCHEDULE

MARK NO.	MODEL NO.	BTU INPUT	RECOVERY GPH @ 100° RISE	GAS CONN. SIZE	WIDTH SIZE	DEPTH SIZE	HEIGHT SIZE	WATER CONN. SIZE	APPROX SHIP WEIGHT	GALLON CAPACITY
GW-1	RHEEM NO. BTH-300 Mxi OR APP'V EQUAL	300,000	349	3/4"	33-1/8"	39-1/8"	75-3/4"	2"	--	119
GW-2	RHEEM NO. BTH-300 Mxi OR APP'V EQUAL	300,000	349	3/4"	33-1/8"	39-1/8"	75-3/4"	2"	--	119

NOTES:
1. 3" CPVC DIRECT VENT
2. FURNISH AND INSTALL ROOM CARBON MONOXIDE DETECTOR. CARBON MONOXIDE DETECTOR SHALL BE EQUAL TO KIDDE HARDWIRED (120V) CARBON MONOXIDE DETECTOR WITH 9-VOLT BATTERY BACKUP.

PVC PIPE HANGER SPACING GUIDE

NPS (INCHES)	OPERATING TEMPERATURE (°F)		
	60	100	140
1/2	4.5	4	2.5
3/4	5	4	2.5
1	5.5	4.5	2.5
1-1/4	5.5	5	3
1-1/2	6	5	3
2	6	5	3
3	7	6	3.5
4	7.5	6.5	4
6	8.5	7.5	4.5
8	9	8	4.5

NPS (INCHES)	OPERATING TEMPERATURE (°F)		
	60	100	140
1/2	5	4.5	2.5
3/4	5.5	4.5	2.5
1	6	5	3
1-1/2	6.5	5.5	3.5
2	7	6	3.5
3	8	7	4
4	9	7.5	4.5
6	10	9	5
8	11	9.5	5.5

NOTE: PLASTIC PIPE SUPPORTS SHALL BE AS NOTED ABOVE UNLESS MANUFACTURER'S RECOMMENDATION IS MORE STRINGENT FOR THE APPLICATION.

CODES AND STANDARDS

- 2015 INTERNATIONAL PLUMBING CODE
- 2015 INTERNATIONAL MECHANICAL CODE
- 2015 INTERNATIONAL FUEL GAS CODE
- 2015 INTERNATIONAL FIRE CODE
- 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

PLUMBING DRAWING INDEX

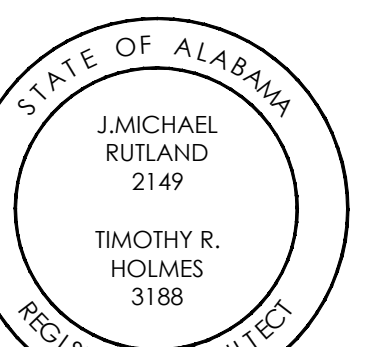
SHEET NO.	SHEET TITLE
P1.1	PLUMBING SCHEDULES, LEGEND, AND NOTES
P1.2	PLUMBING DETAILS
P1.3	PLUMBING SCHEDULES AND DETAILS
P2.1	WASTE PLUMBING PLAN
P2.2	WASTE PLUMBING RISER DIAGRAM
P3.1	WATER & GAS PLUMBING PLAN
P3.2	WATER PLUMBING RISER DIAGRAM
P3.3	GAS PLUMBING RISER DIAGRAM
P4.1	CONDENSATE & STORM DRAIN PLUMBING PLAN
P5.1	ROOF PLUMBING PLAN

JMR+H

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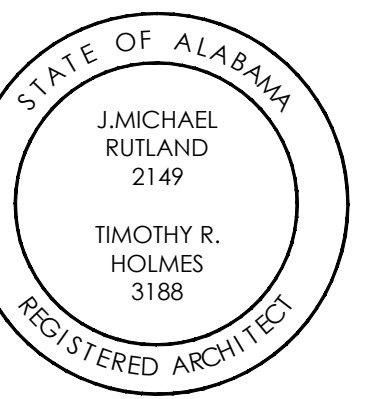
CHOCTAW COUNTY JAIL
BUTLER,
ALABAMA

CONSTRUCTION DOCUMENTS

Project Number: 22-1189
Date: 30 MAY 2024
Revisions:

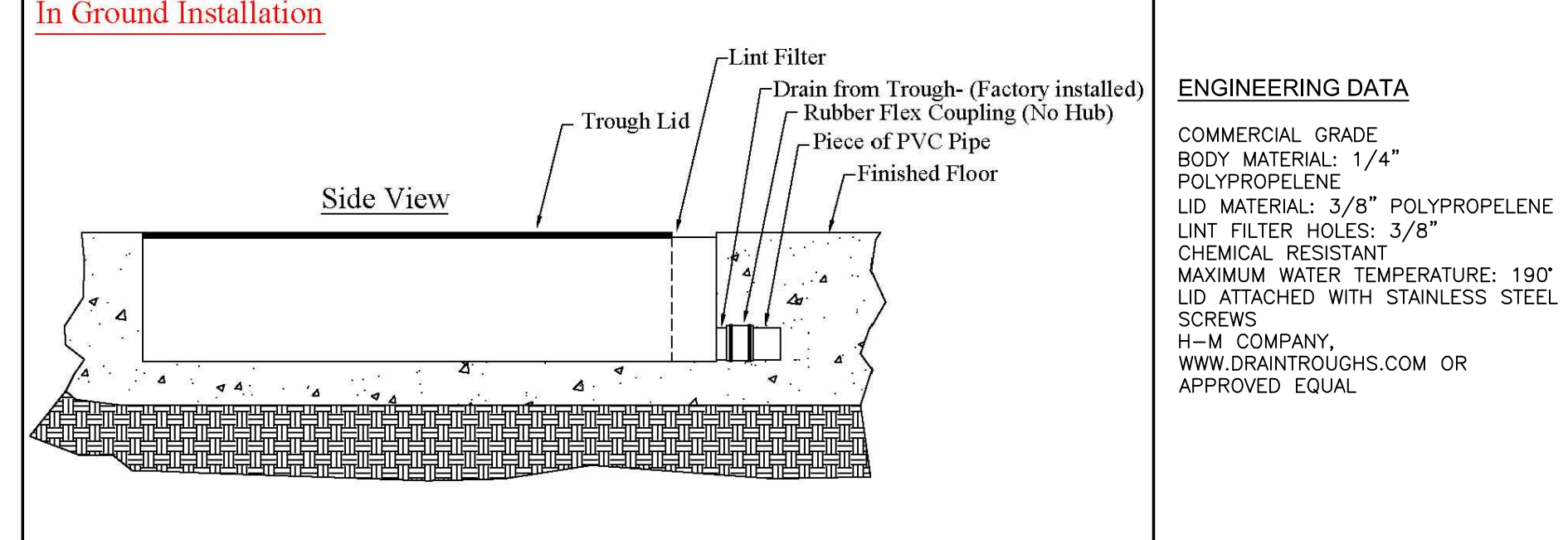
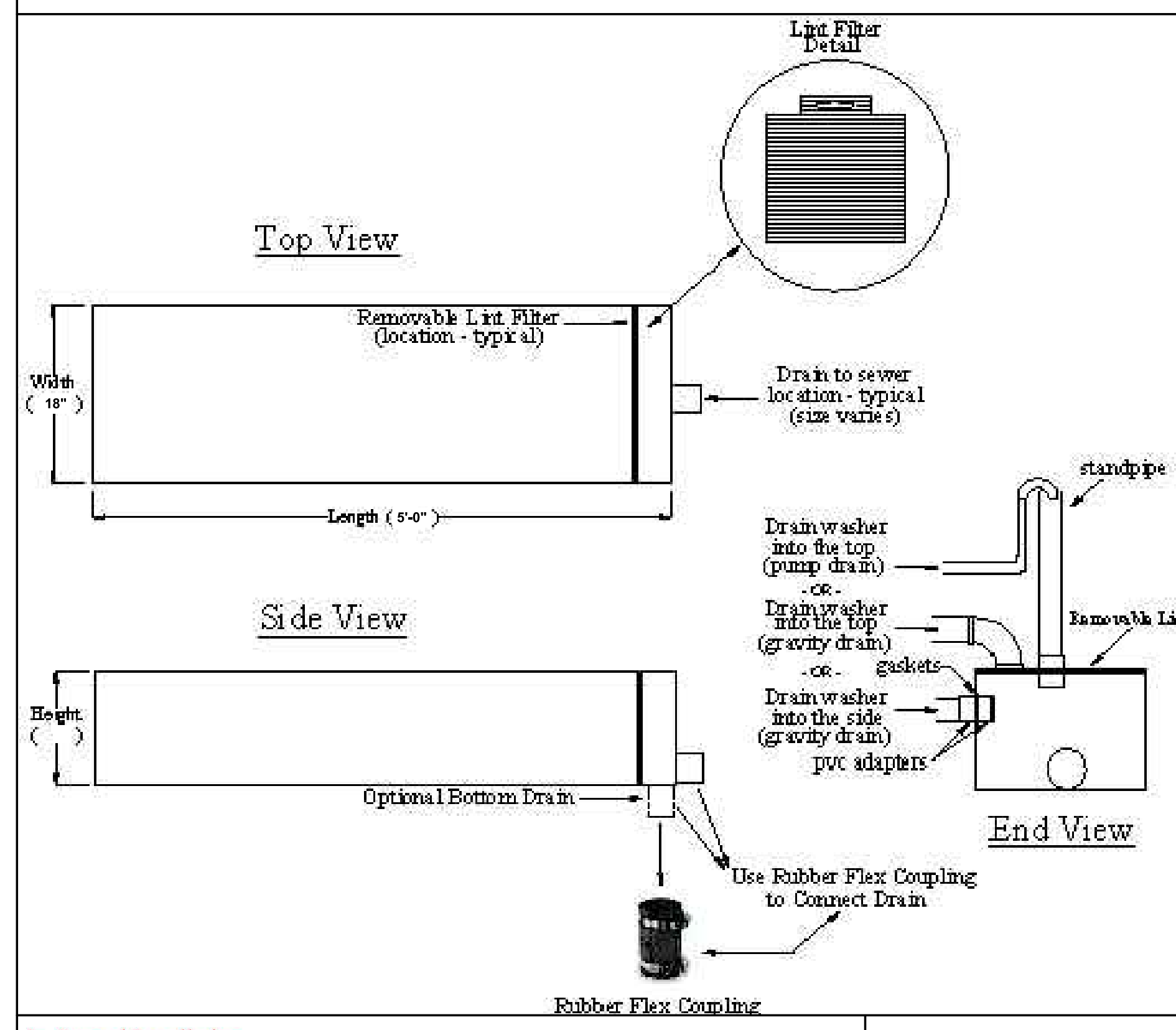
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PLUMBING SCHEDULES, LEGEND, AND NOTES

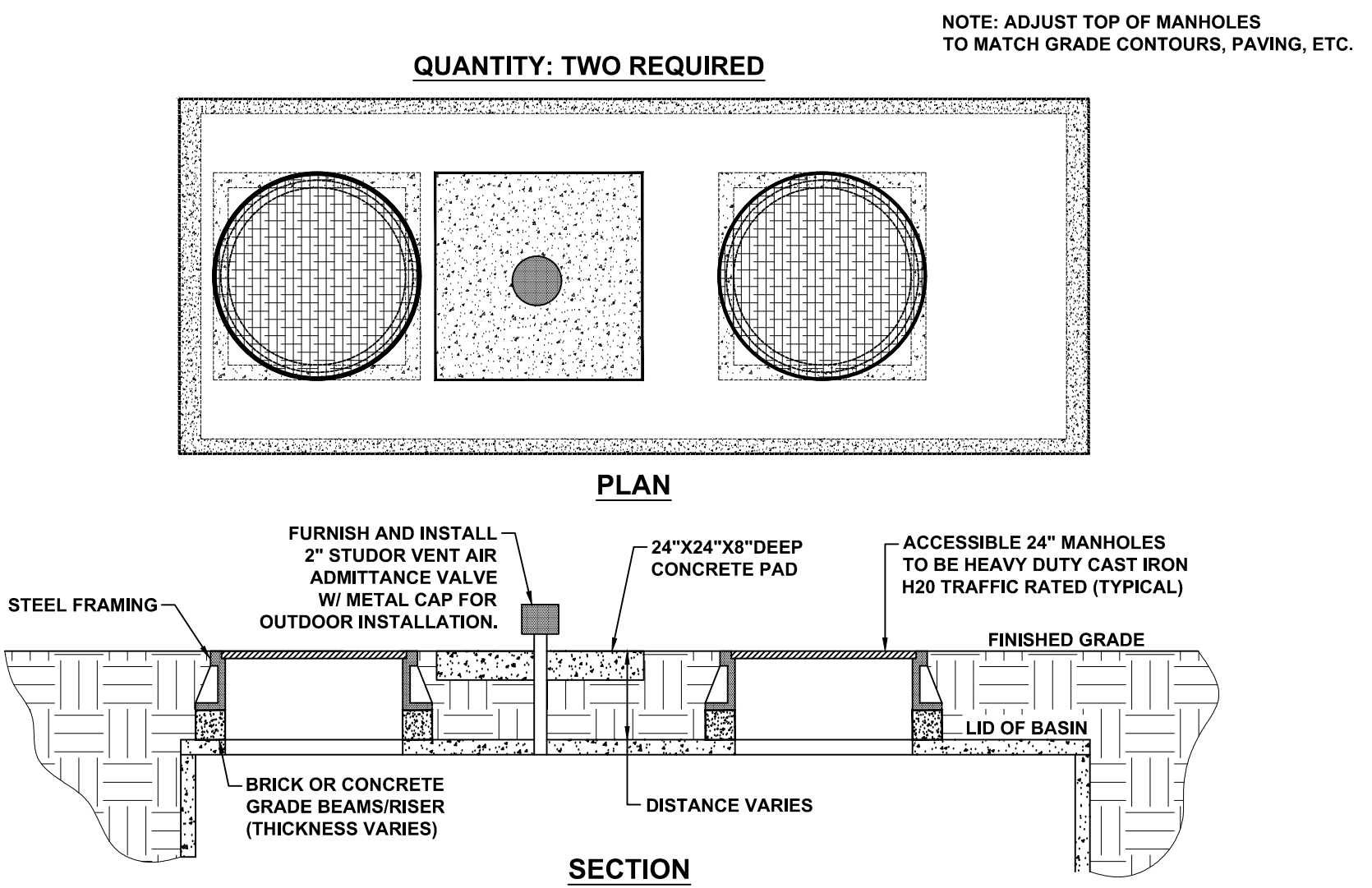


**CHOCTAW COUNTY JAIL
 BUTLER, ALABAMA**

COMMERCIAL WASHER DRAIN DETAIL



ENGINEERING DATA
 COMMERCIAL GRADE
 BODY MATERIAL: 1/4" POLYPROPYLENE
 LID MATERIAL: 3/8" POLYPROPYLENE
 LID FILTER HOLES: 3/8"
 CHEMICAL RESISTANT
 MAXIMUM WATER TEMPERATURE: 190°
 LID ATTACHED WITH STAINLESS STEEL SCREWS
 H-M COMPANY
 WWW.DRAINTRUGHS.COM OR APPROVED EQUAL

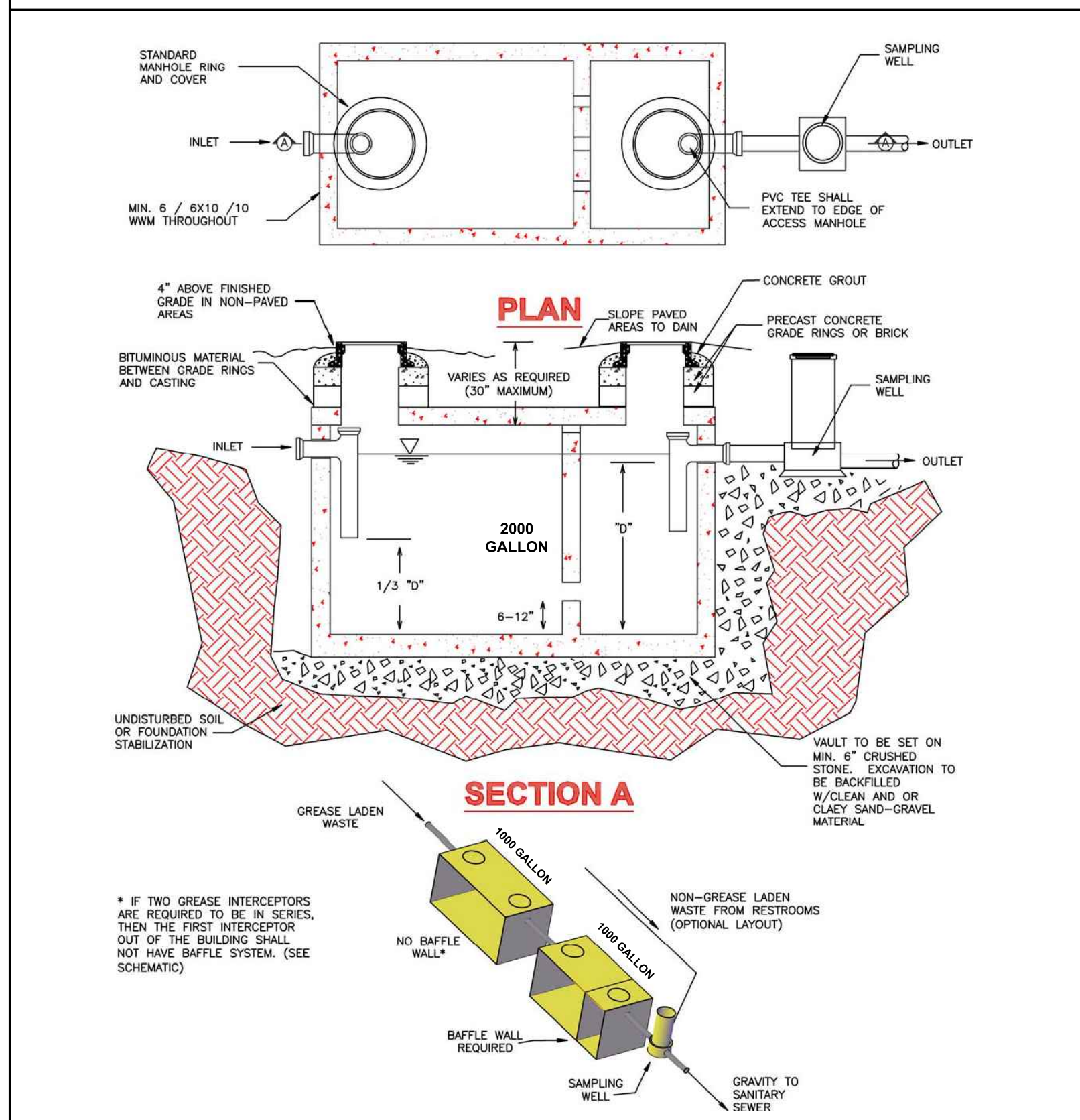


DETENTION CENTER MANHOLE DETAIL FOR SEPARATION BASIN

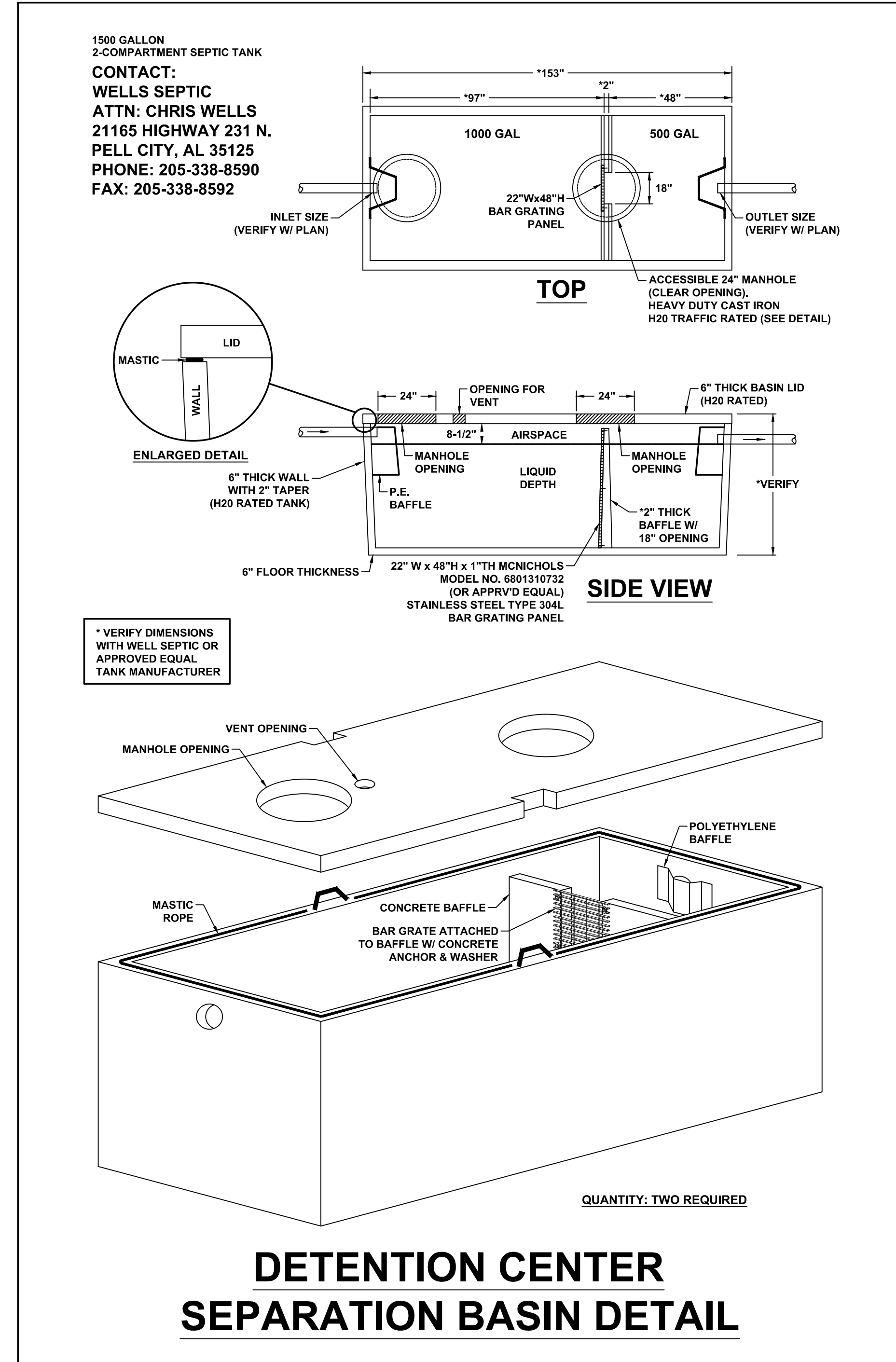
KITCHEN/LAUNDRY EQUIPMENT PLUMBING SCHEDULE

MARK NO.	FIXTURE TYPE	MANUFACTURER'S MODEL NO.	MOUNT	MOUNT HEIGHT	WASTE SIZE	VENT SIZE	C.W. SIZE	H.W. SIZE	NOTES
K-4	ICE MACHINE W/ BIN	FURNISHED BY KITCHEN SUPPLIER INSTALLED BY PLUMBING CONTRACTOR	-	-	FS-1	FS-1	WB-1	-	PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL PIPE, FITTINGS, DRAINS, WATER, ETC. REQUIRED FOR INSTALLATION.
K-5	FLOOR TROUGH	FURNISHED BY KITCHEN SUPPLIER INSTALLED BY PLUMBING CONTRACTOR	-	-	4"	2"	-	-	PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL PIPE, FITTINGS, DRAINS, WATER, ETC. REQUIRED FOR INSTALLATION.
K-9	CONVECTION OVEN	FURNISHED BY KITCHEN SUPPLIER INSTALLED BY PLUMBING CONTRACTOR	-	-	-	-	-	-	INPUT = 100 MBH (3/4" CONNECTION)
K-10	4 BURNER RANGE	FURNISHED BY KITCHEN SUPPLIER INSTALLED BY PLUMBING CONTRACTOR	-	-	-	-	-	-	INPUT = 143 MBH (3/4" CONNECTION)
K-12	GRIDDLE	FURNISHED BY KITCHEN SUPPLIER INSTALLED BY PLUMBING CONTRACTOR	-	-	-	-	-	-	INPUT = 81 MBH (3/4" CONNECTION)
K-13	GAS FRYER W/ FILTER	FURNISHED BY KITCHEN SUPPLIER INSTALLED BY PLUMBING CONTRACTOR	-	-	-	-	-	-	INPUT = 70 MBH (3/4" CONNECTION)
K-20	PREP TABLE W/SINK	FURNISHED BY KITCHEN SUPPLIER INSTALLED BY PLUMBING CONTRACTOR	-	-	FS-1	FS-1	1/2"	1/2"	PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL PIPE, FITTINGS, DRAINS, WATER, ETC. REQUIRED FOR INSTALLATION.
K-26	PREP TABLE W/SINK	FURNISHED BY KITCHEN SUPPLIER INSTALLED BY PLUMBING CONTRACTOR	-	-	FS-1	FS-1	1/2"	1/2"	PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL PIPE, FITTINGS, DRAINS, WATER, ETC. REQUIRED FOR INSTALLATION.
K-29	HAND SINK	FURNISHED BY KITCHEN SUPPLIER INSTALLED BY PLUMBING CONTRACTOR	WALL	-	1-1/4"	1-1/4"	1/2"	1/2"	PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL PIPE, FITTINGS, DRAINS, WATER, ETC. REQUIRED FOR INSTALLATION.
K-33	BEVERAGE TABLE W/SINK	FURNISHED BY KITCHEN SUPPLIER INSTALLED BY PLUMBING CONTRACTOR	-	-	FS-1	FS-1	1/2"	1/2"	PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL PIPE, FITTINGS, DRAINS, WATER, ETC. REQUIRED FOR INSTALLATION.
K-34	ICE TEA BREWER	FURNISHED BY KITCHEN SUPPLIER INSTALLED BY PLUMBING CONTRACTOR	-	-	-	-	1/2"	-	PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL PIPE, FITTINGS, DRAINS, WATER, ETC. REQUIRED FOR INSTALLATION.
K-35	COFFEE BREWER	FURNISHED BY KITCHEN SUPPLIER INSTALLED BY PLUMBING CONTRACTOR	-	-	-	-	1/2"	-	PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL PIPE, FITTINGS, DRAINS, WATER, ETC. REQUIRED FOR INSTALLATION.
K-37	HAND SINK	FURNISHED BY KITCHEN SUPPLIER INSTALLED BY PLUMBING CONTRACTOR	WALL	-	1-1/4"	1-1/4"	1/2"	1/2"	PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL PIPE, FITTINGS, DRAINS, WATER, ETC. REQUIRED FOR INSTALLATION.
K-38	SOILED DISH TABLE	FURNISHED BY KITCHEN SUPPLIER INSTALLED BY PLUMBING CONTRACTOR	-	-	FS-2	FS-2	1/2"	1/2"	PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL PIPE, FITTINGS, DRAINS, WATER, ETC. REQUIRED FOR INSTALLATION.
K-40	DISH MACHINE	FURNISHED BY KITCHEN SUPPLIER INSTALLED BY PLUMBING CONTRACTOR	-	-	FS-1	-	-	3/4"	PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL PIPE, FITTINGS, DRAINS, WATER, ETC. REQUIRED FOR INSTALLATION.
K-45	3 COMPARTMENT SINK	FURNISHED BY KITCHEN SUPPLIER INSTALLED BY PLUMBING CONTRACTOR	-	-	FS-2	FS-2	(2)1/2"	(2)1/2"	PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL PIPE, FITTINGS, DRAINS, WATER, ETC. REQUIRED FOR INSTALLATION.

DETAILS OF KITCHEN GREASE TRAP



- NOTES:**
1. VENT GREASE TRAP WITH 3" VENT AND CONNECT TO BUILDING VENT SYSTEM IN ACCORDANCE WITH STANDARD PLUMBING CODE.
 2. VERIFY LOCAL AUTHORITY REQUIREMENTS FOR EITHER TWO TANKS @ 1,000 GALLONS IN SERIES OR ONE TANK @ 2,000 GALLONS.



PLUMBING SCHEDULES AND DETAILS

NOT TO SCALE

WHORTON ENGINEERING, INC.
 HVAC - PLUMBING - PROCESS CONTROL

Randall Whorton
 RANDALL WHORTON, P.E.
 PHONE: (256) 820-9897
 DATE: 06-03-2024
 25 SUMMERBALL GATE ROAD
 ANNISTON, ALABAMA 36620



WHORTON ENGINEERING PROJECT NO. 23198

CONSTRUCTION DOCUMENTS

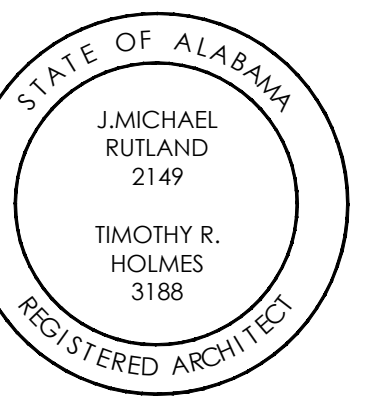
Project Number: 22-1189
 Date: 30 MAY 2024
 Revisions:

Sheet Description

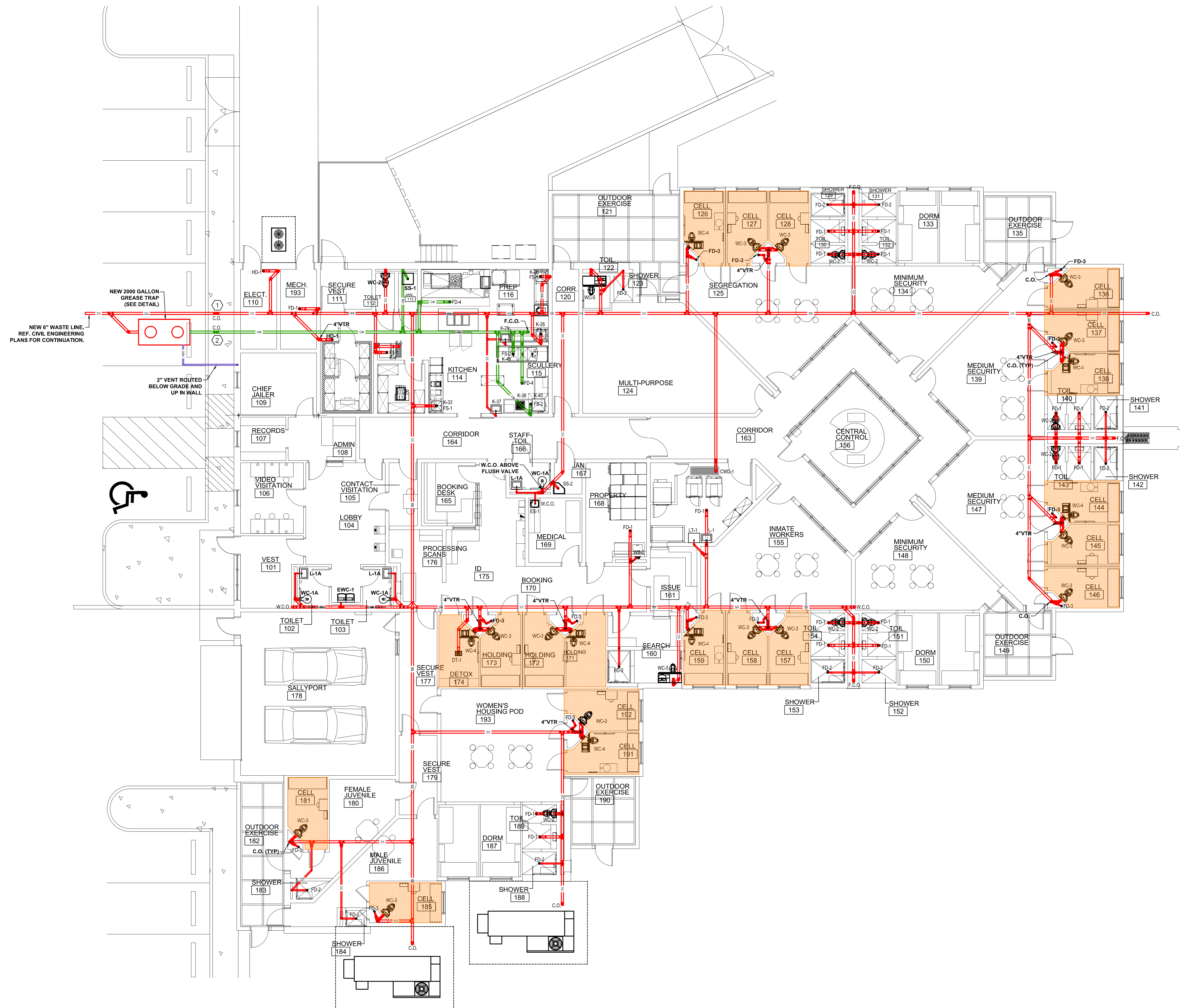
PLUMBING SCHEDULES AND DETAILS

Sheet Number

P1.3



**CHOCTAW
COUNTY JAIL
BUTLER,
ALABAMA**



NEW 2000 GALLON GREASE TRAP (SEE DETAIL)
NEW 6" WASTE LINE - REF. CIVIL ENGINEERING PLANS FOR CONTINUATION.
2" VENT ROUTED BELOW GRADE AND UP IN WALL

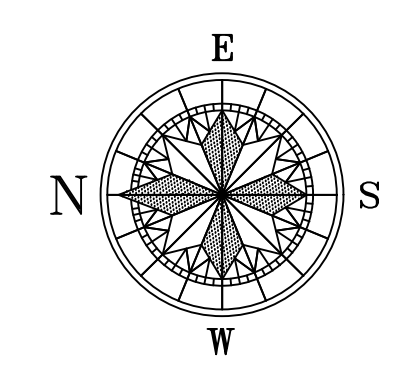
AREA LEGEND

PRE-FABRICATED PRISON CELL, INCLUDING PRISON CELL PLUMBING FIXTURE, SHALL BE SUPPLIED BY MODULE MANUFACTURER. SEE ARCHITECTURAL PLANS FOR FURTHER SPECIFICATION AND DETAILING. ALL ASSOCIATED WASTE & VENT WATER PIPING LOCATED WITHIN PRISON CELL CHASE, SHALL BE SUPPLIED AND INSTALLED BY PLUMBING CONTRACTOR.

SANITARY OUTFALL

MARK NO.	HORIZ. LENGTH FT	EST. BFF (BELOW FIN. FLOOR) FT
①	195	±5.03
②	66	±3.69

NOTE: VERIFY FINAL OUTFALL WITH CIVIL ENGINEER PRIOR TO BEGINNING WORK.



WASTE PLUMBING PLAN

SCALE: 1/8" = 1'-0"
0' 5' 10' 20'

WHORTON ENGINEERING, INC.
HVAC - PLUMBING - PROCESS CONTROL

Randall Whorton
RANDALL WHORTON, P.E.
PHONE: (256) 820-9897

DATE: 06-03-2024
25 SUMMERHALL GATE ROAD
ANNISTON, ALABAMA 36605

CONSTRUCTION DOCUMENTS

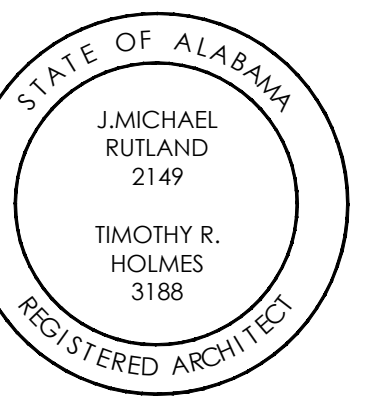
Project Number: 22-1189
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Revisions:

Sheet Description

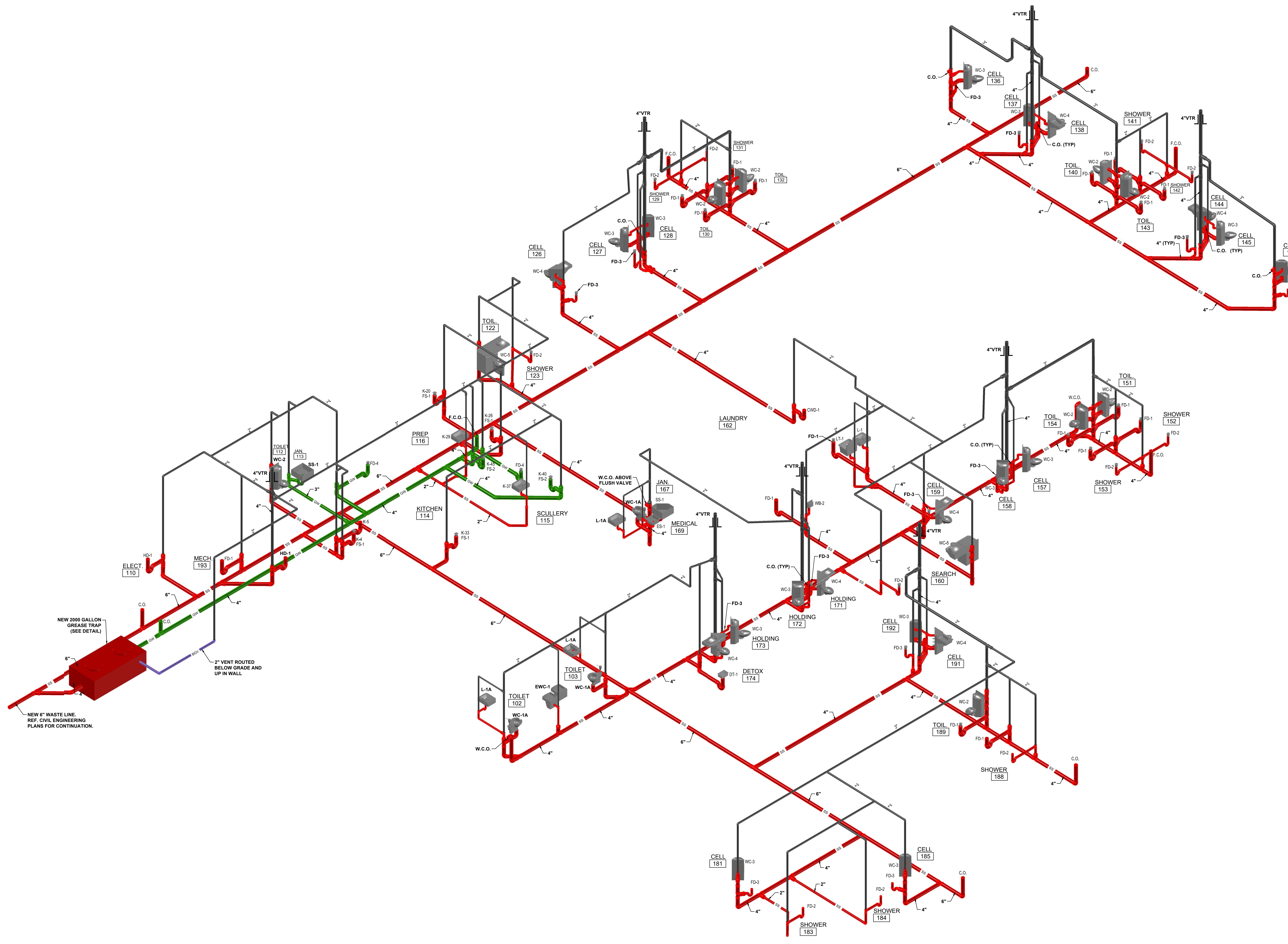
WASTE PLUMBING PLAN

Sheet Number

P2.1



CHOCTAW
COUNTY JAIL
BUTLER,
ALABAMA



NEW 2000 GALLON GREASE TRAP (SEE DETAIL)
NEW 6" WASTE LINE. REF. CIVIL ENGINEERING PLANS FOR CONTINUATION.
2" VENT ROUTED BELOW GRADE AND UP IN WALL

WASTE PLUMBING RISER DIAGRAM

NOT TO SCALE

CONSTRUCTION DOCUMENTS

Project Number: 22-1189
Date: 30 MAY 2024
Revisions:

NO.	DATE	DESCRIPTION

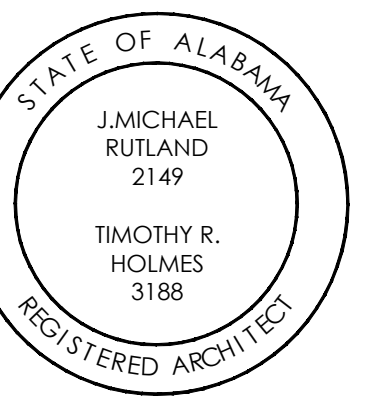
Sheet Description

WASTE PLUMBING RISER DIAGRAM

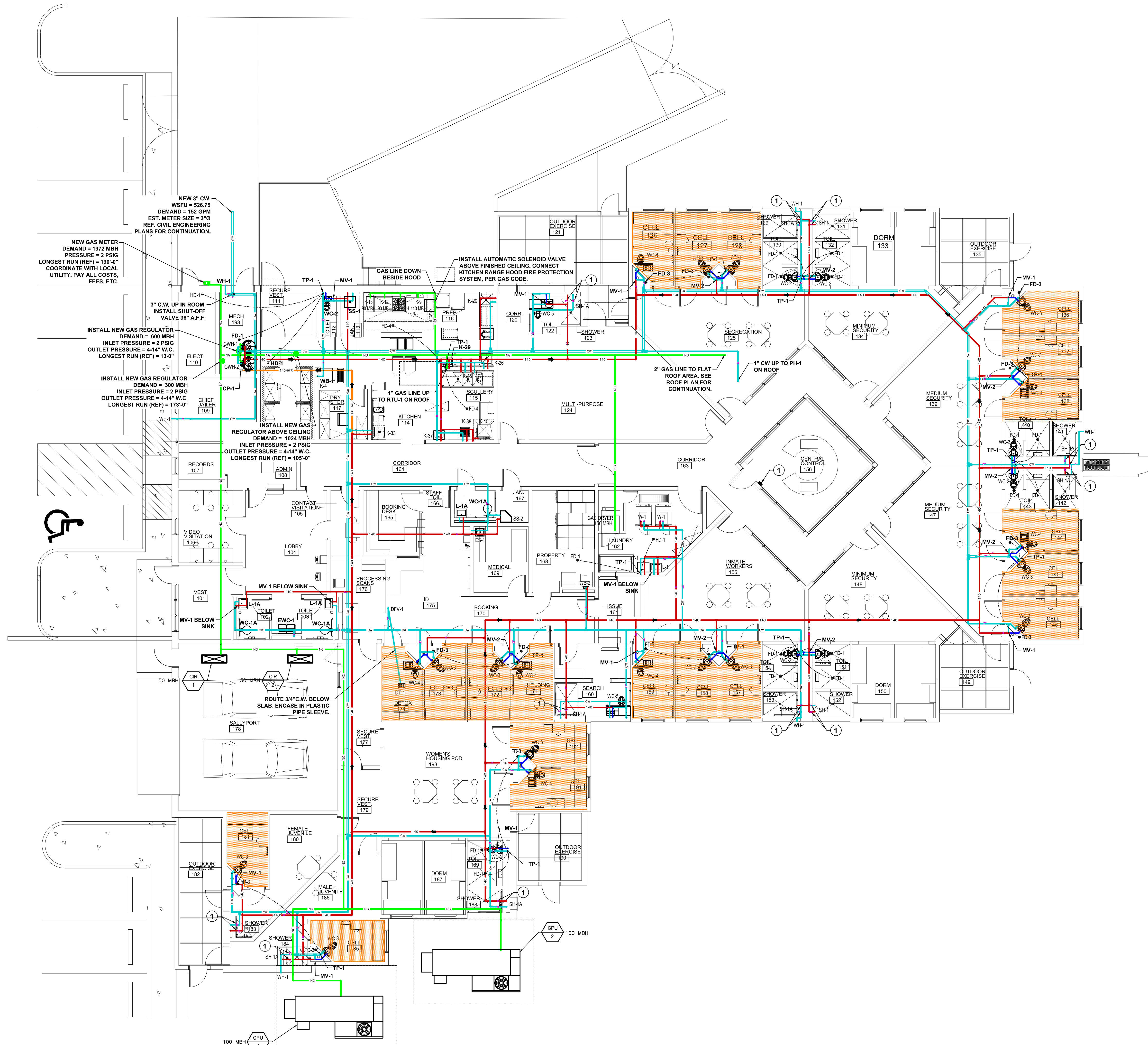
Sheet Number

P2.2

WHORTON ENGINEERING, INC.
HVAC - PLUMBING - PROCESS CONTROL
Randall Whorton
RANDALL WHORTON, P.E.
PHONE: (256) 820-9897
DATE: 06-03-2024
25 SUMMERHALL GATE ROAD
ANNISTON, ALABAMA 36205
No. 14192
REGISTERED PROFESSIONAL ENGINEER
STATE OF ALABAMA



CHOCTAW
COUNTY JAIL
BUTLER,
ALABAMA



NEW 3" CW.
WSPU = 526.75
DEMAND = 152 GPM
EST. METER SIZE = 3" 1/2"
REF. CIVIL ENGINEERING
PLANS FOR CONTINUATION.

NEW GAS METER
DEMAND = 1972 MBH
PRESSURE = 2 PSIG
LONGEST RUN (REF) = 190'-0"
COORDINATE WITH LOCAL
UTILITY. PAY ALL COSTS,
FEES, ETC.

3" C.W. UP IN ROOM
INSTALL SHUT-OFF
VALVE 3/8" A.F.F.

INSTALL NEW GAS REGULATOR
DEMAND = 600 MBH
INLET PRESSURE = 2 PSIG
OUTLET PRESSURE = 4-1/4" W.C.
LONGEST RUN (REF) = 134'-0"

INSTALL NEW GAS REGULATOR
DEMAND = 300 MBH
INLET PRESSURE = 2 PSIG
OUTLET PRESSURE = 4-1/4" W.C.
LONGEST RUN (REF) = 173'-0"

INSTALL NEW GAS
REGULATOR ABOVE CEILING
DEMAND = 1024 MBH
INLET PRESSURE = 2 PSIG
OUTLET PRESSURE = 4-1/4" W.C.
LONGEST RUN (REF) = 105'-0"

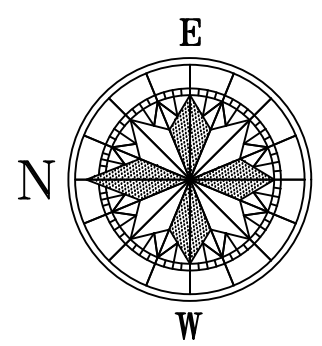
ROUTE ALL WATER PIPING
IN ATTIC SPACE.

AUTOMATIC SHOWER SHUT-OFF

1 WATER SOLENOID VALVE SHALL BE INTERLOCKED WITH CONTROL PANEL LOCATED IN CENTRAL CONTROL 156. WATER VALVE SHALL BE NORMALLY OPEN, HELD CLOSED BY 120 VAC COIL AND CONTROL PANEL. CONTROL PANEL SHALL CAUSE WATER VALVE TO CLOSE. ELECTRICAL ENGINEERING PLANS FOR EXACT LOCATION OF CONTROL PANEL.

AREA LEGEND

PRE-FABRICATED PRISON CELL, INCLUDING PRISON CELL PLUMBING FIXTURE, SHALL BE SUPPLIED BY MODULE MANUFACTURER. SEE ARCHITECTURAL PLANS FOR FURTHER SPECIFICATION AND DETAILING. ALL ASSOCIATED WASTE & VENT, WATER, PIPING LOCATED WITHIN PRISON CELL CHASE, SHALL BE SUPPLIED AND INSTALLED BY PLUMBING CONTRACTOR.



WATER & GAS PLUMBING PLAN

SCALE: 1/8" = 1'-0"
0' 5' 10' 20'

WHORTON ENGINEERING, INC.
HVAC - PLUMBING - PROCESS CONTROL

Randall Whorton
RANDALL WHORTON, P.E.
PHONE: (256) 820-9897

DATE: 06-03-2024
25 SUMMERALL GATE ROAD
ANNISTON, ALABAMA 36805

CONSTRUCTION
DOCUMENTS

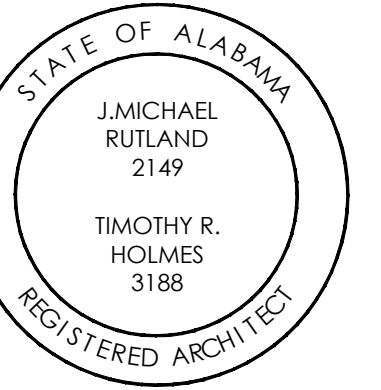
Project Number: 22-1189
Date: 30 MAY 2024
Revisions:

Sheet Description

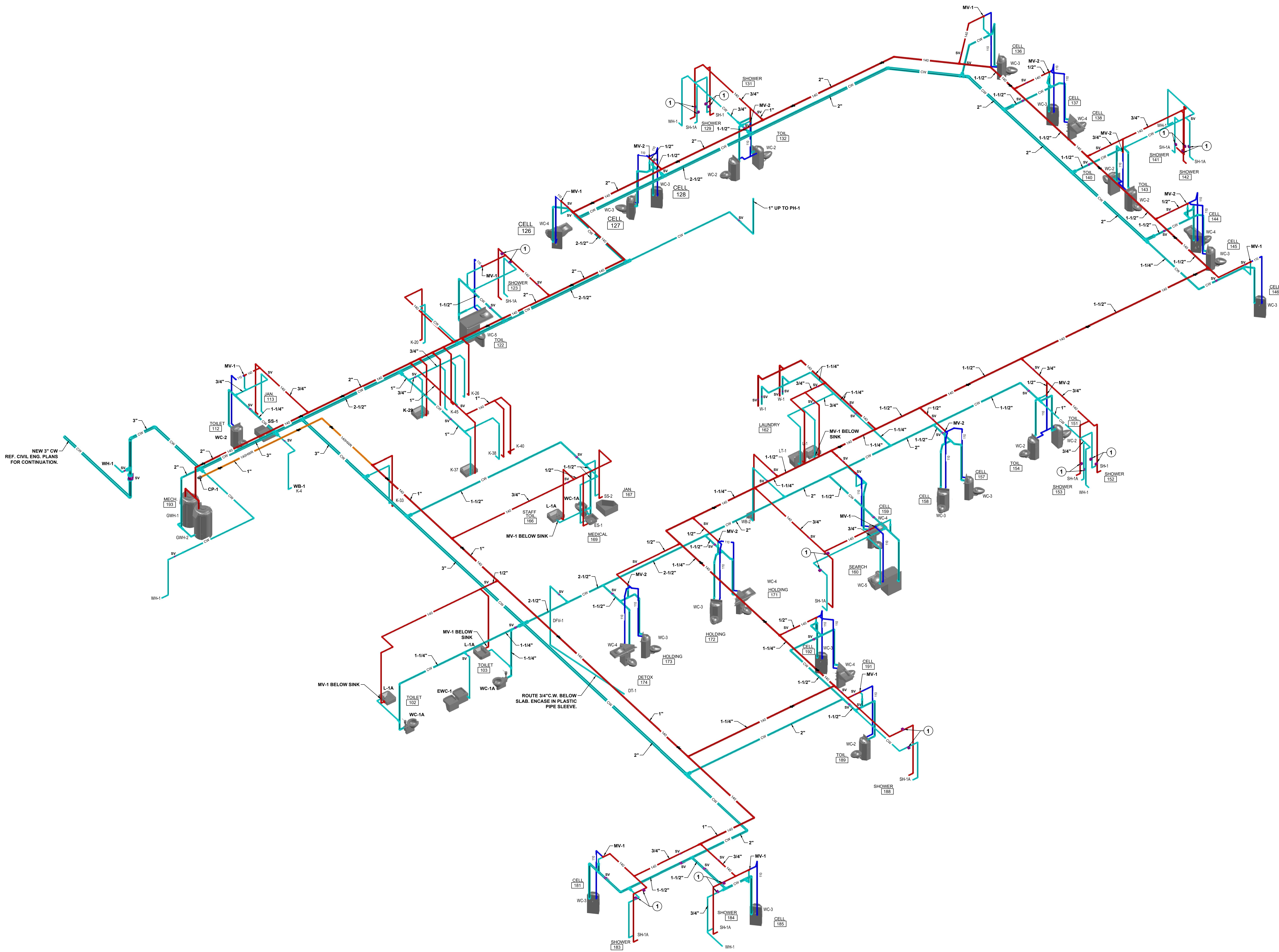
WATER & GAS
PLUMBING
PLAN

Sheet Number

P3.1



CHOCTAW
COUNTY JAIL
BUTLER,
ALABAMA



NEW 3" CW
REF. CIVIL ENG. PLANS
FOR CONTINUATION.

WATER PLUMBING RISER DIAGRAM

NOT TO SCALE

ROUTE ALL WATER
PIPING IN ATTIC SPACE.

WHORTON ENGINEERING, INC.
HVAC - PLUMBING - PROCESS CONTROL

Randall Whorton
RANDALL WHORTON, P.E.
PHONE: (256) 820-9897

DATE: 06-03-2024
25 SUMMERBALL GATE ROAD
ANNISTON, ALABAMA 36605

WHORTON ENGINEERING PROJECT NO. 23198

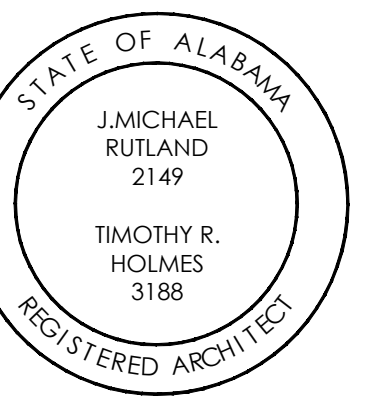
CONSTRUCTION DOCUMENTS

Project Number: 22-1189
Date: 30 MAY 2024
Revisions:

Sheet Description
**WATER
PLUMBING
RISER
DIAGRAM**

Sheet Number

P3.2



CHOCTAW
COUNTY JAIL
BUTLER,
ALABAMA

CONSTRUCTION
DOCUMENTS

Project Number: 22-1189

Date: 30 MAY 2024

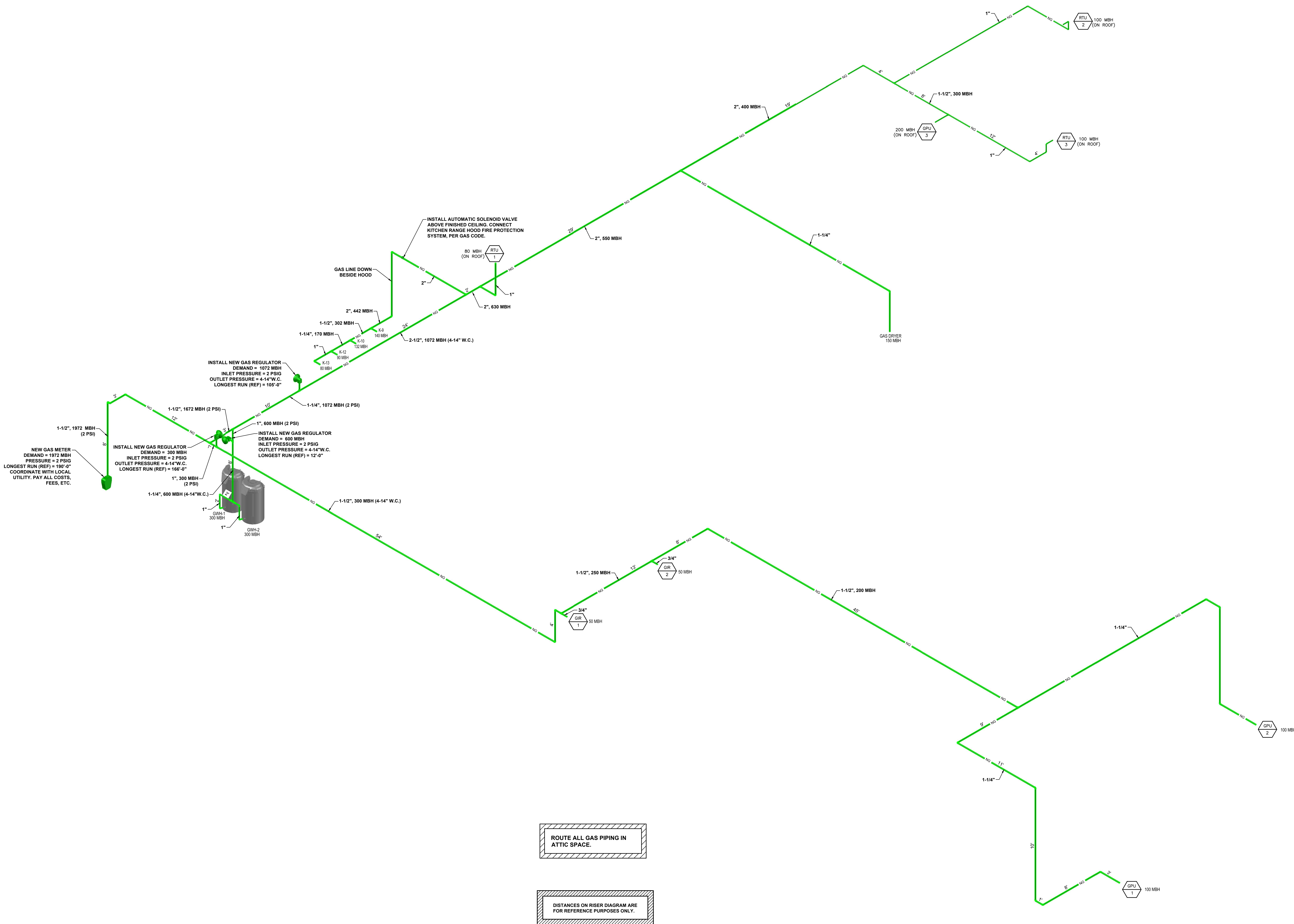
Revisions:

Sheet Description

GAS PLUMBING
RISER
DIAGRAM

Sheet Number

P3.3



ROUTE ALL GAS PIPING IN
ATTIC SPACE.

DISTANCES ON RISER DIAGRAM ARE
FOR REFERENCE PURPOSES ONLY.

GAS PLUMBING RISER DIAGRAM

NOT TO SCALE

WHORTON ENGINEERING, INC.

HVAC - PLUMBING - PROCESS CONTROL

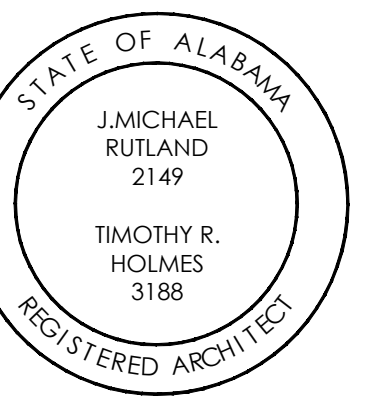
Randall Whorton

RANDALL WHORTON, P.E.
PHONE: (256) 820-9897

DATE 06-03-2024

25 SUMMERBALL GATE ROAD
ANNISTON, ALABAMA 36605





CHOCTAW
COUNTY JAIL
BUTLER,
ALABAMA



AREA LEGEND

PRE-FABRICATED PRISON CELL, INCLUDING PRISON CELL PLUMBING FIXTURE, SHALL BE SUPPLIED BY MODULE MANUFACTURER. SEE ARCHITECTURAL PLANS FOR FURTHER SPECIFICATION AND DETAILING. ALL ASSOCIATED WASTE & VENT, WATER, PIPING LOCATED WITHIN PRISON CELL CHASE, SHALL BE SUPPLIED AND INSTALLED BY PLUMBING CONTRACTOR.

STORM OUTFALL

MARK NO.	MARK LENGTH FT. (TO 5' FROM BUILDING EDGE)	EST. W/F (BELOW FIN. FLOOR)
77		±3.80

NOTE: VERIFY FINAL OUTFALL WITH CIVIL ENGINEER PRIOR TO BEGINNING WORK.

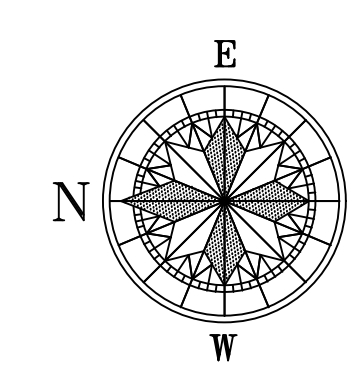
CONSTRUCTION DOCUMENTS

Project Number: 22-1189
Date: 30 MAY 2024
Revisions:

Sheet Description
CONDENSATE AND STORM DRAIN PLUMBING PLAN

Sheet Number

P4.1



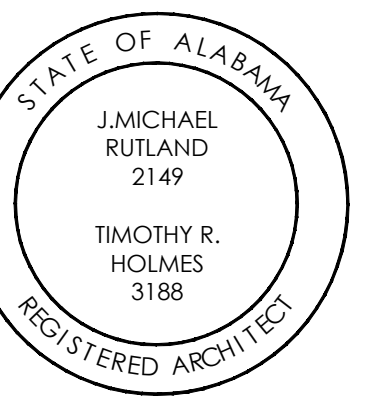
CONDENSATE AND STORM DRAIN PLUMBING PLAN

SCALE: 1/8" = 1'-0"
0' 5' 10' 20'

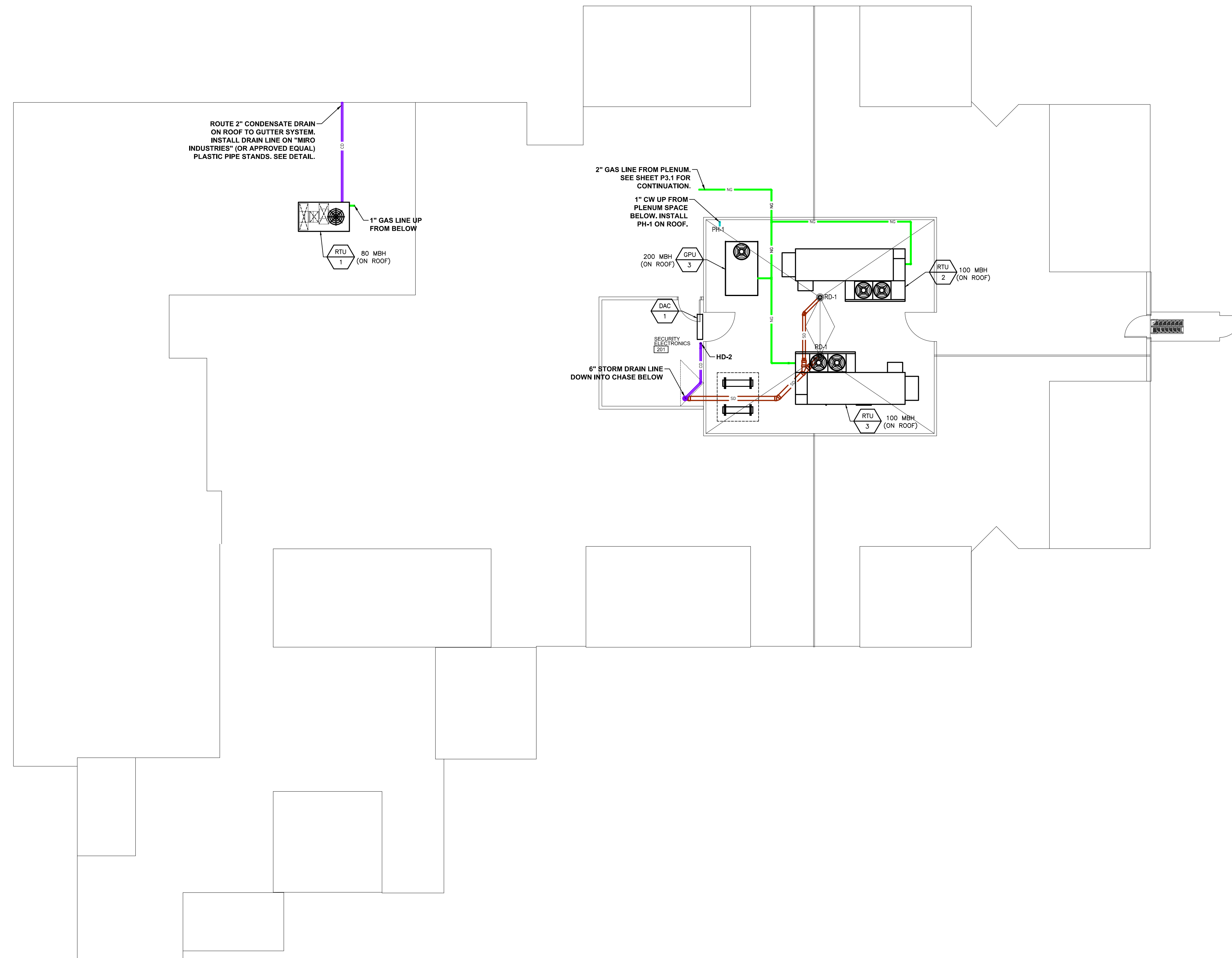
WHORTON ENGINEERING, INC.
HVAC - PLUMBING - PROCESS CONTROL

Randall Whorton
RANDALL WHORTON, P.E.
PHONE: (256) 820-9897

DATE: 06-03-2024
25 SUMMERBALL GATE ROAD
ANNISTON, ALABAMA 36605



CHOCTAW
COUNTY JAIL
BUTLER,
ALABAMA

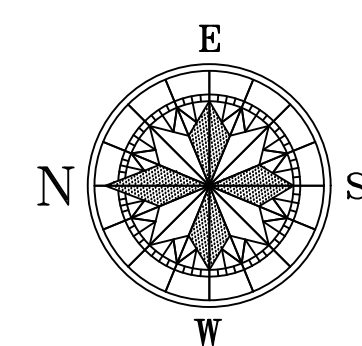


ROUTE 2" CONDENSATE DRAIN
ON ROOF TO GUTTER SYSTEM.
INSTALL DRAIN LINE ON "MIRO
INDUSTRIES" (OR APPROVED EQUAL)
PLASTIC PIPE STANDS. SEE DETAIL.

1" GAS LINE UP
FROM BELOW
RTU 1 (ON ROOF)

2" GAS LINE FROM PLENUM -
SEE SHEET P3.1 FOR
CONTINUATION.
1" CW UP FROM
PLENUM SPACE
BELOW. INSTALL
PH-1 ON ROOF.

6" STORM DRAIN LINE -
DOWN INTO CHASE BELOW



ROOF PLUMBING PLAN

SCALE: 1/8" = 1'-0"
0' 5' 10' 20'
SCALE

WHORTON ENGINEERING, INC.	
HVAC - PLUMBING - PROCESS CONTROL	
<i>Randall Whorton</i>	DATE: 06-03-2024
RANDALL WHORTON, P.E.	25 SUMMERHALL GATE ROAD ANNISTON, ALABAMA 36205

CONSTRUCTION
DOCUMENTS

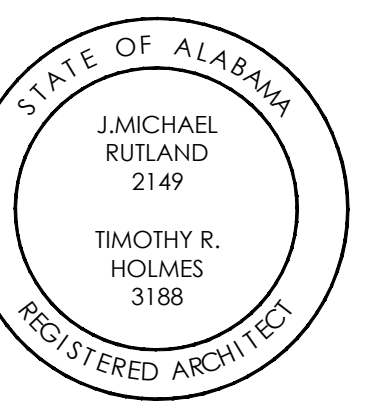
Project Number: 22-1189
Date: 30 MAY 2024
Revisions:

Sheet Description

ROOF
PLUMBING
PLAN

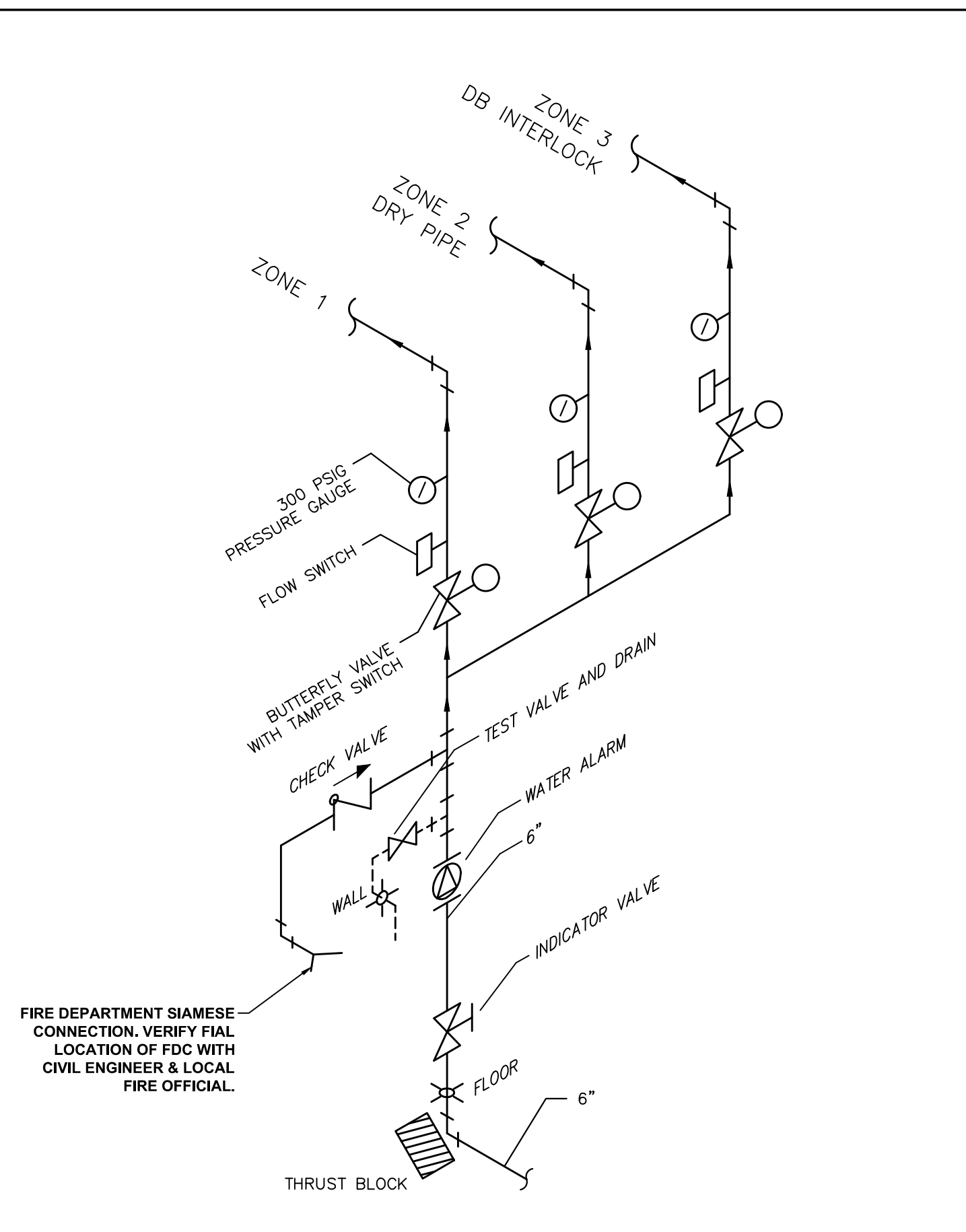
Sheet Number

P5.1

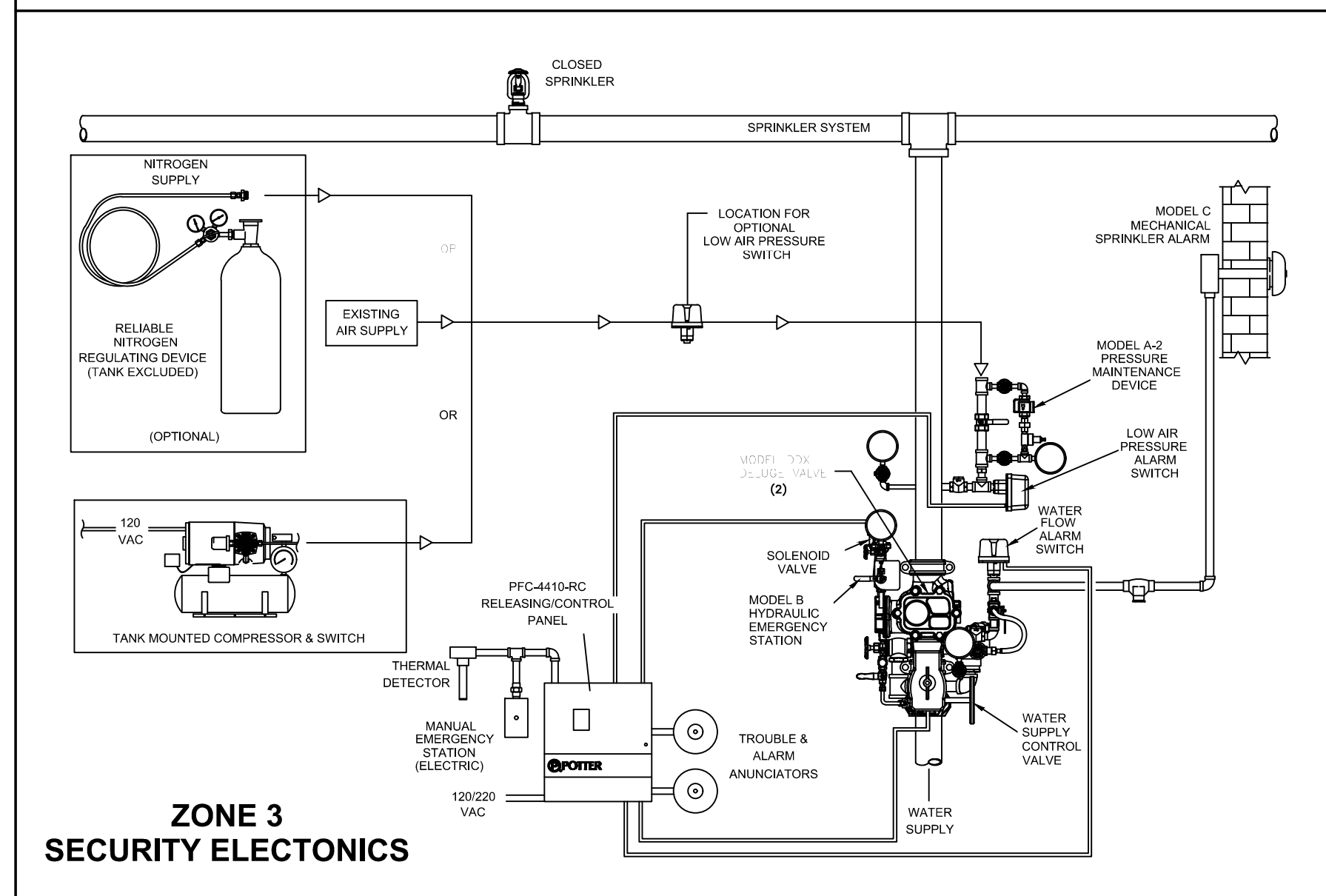


CHOCTAW COUNTY JAIL BUTLER, ALABAMA

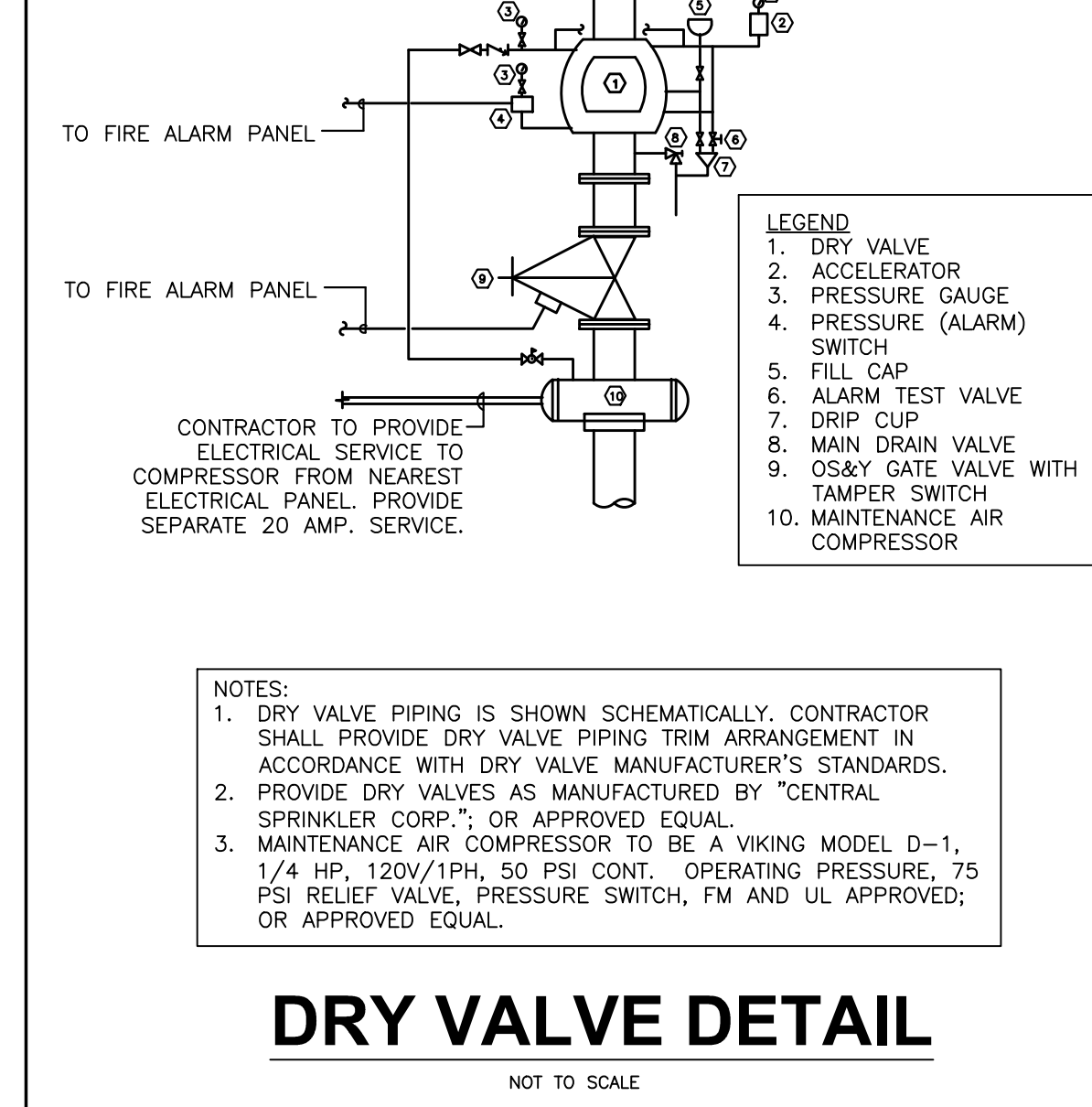
FIRE SERVICE RISER DIAGRAM



DOUBLE INTERLOCK PREACTION SYSTEM



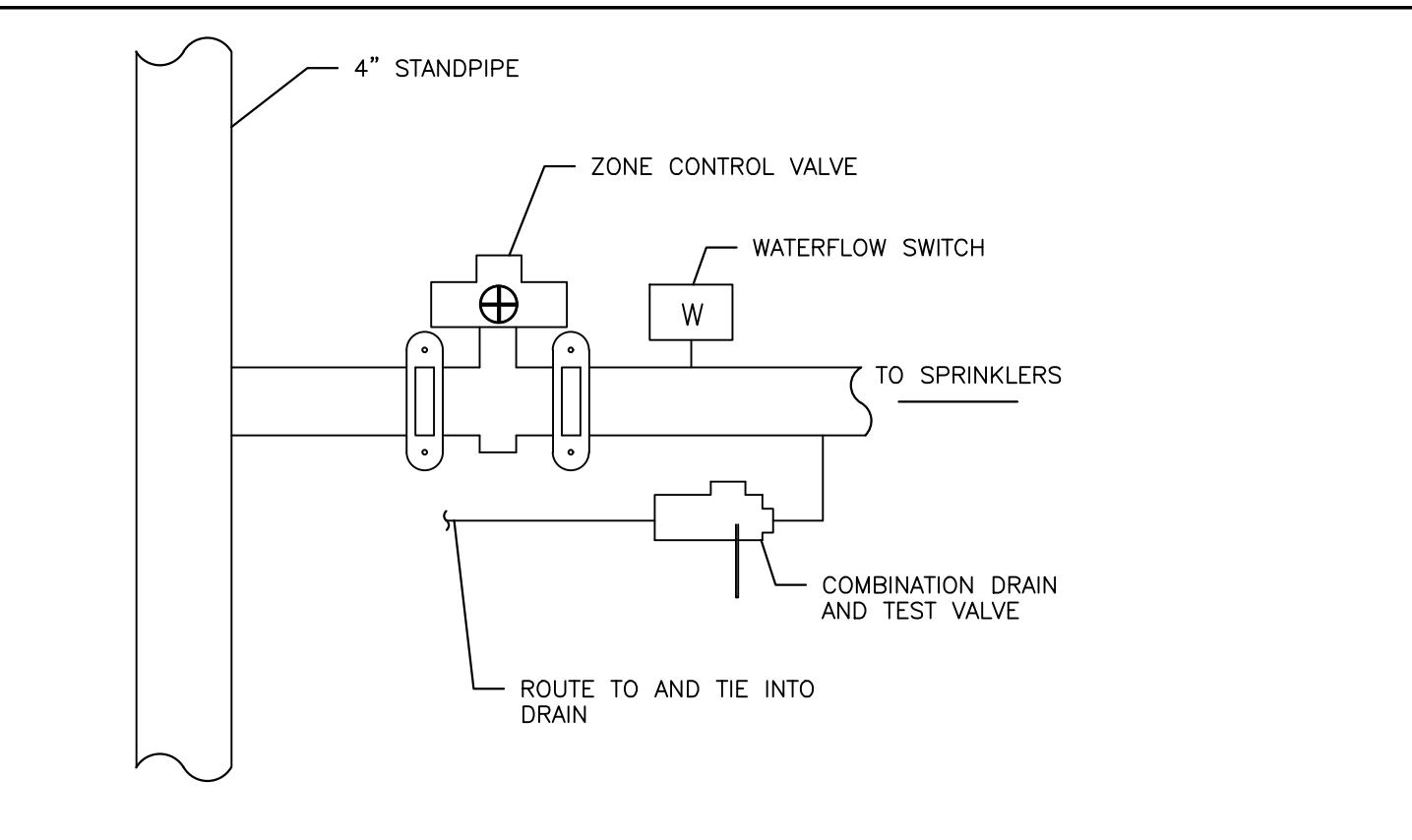
DRY VALVE DETAIL



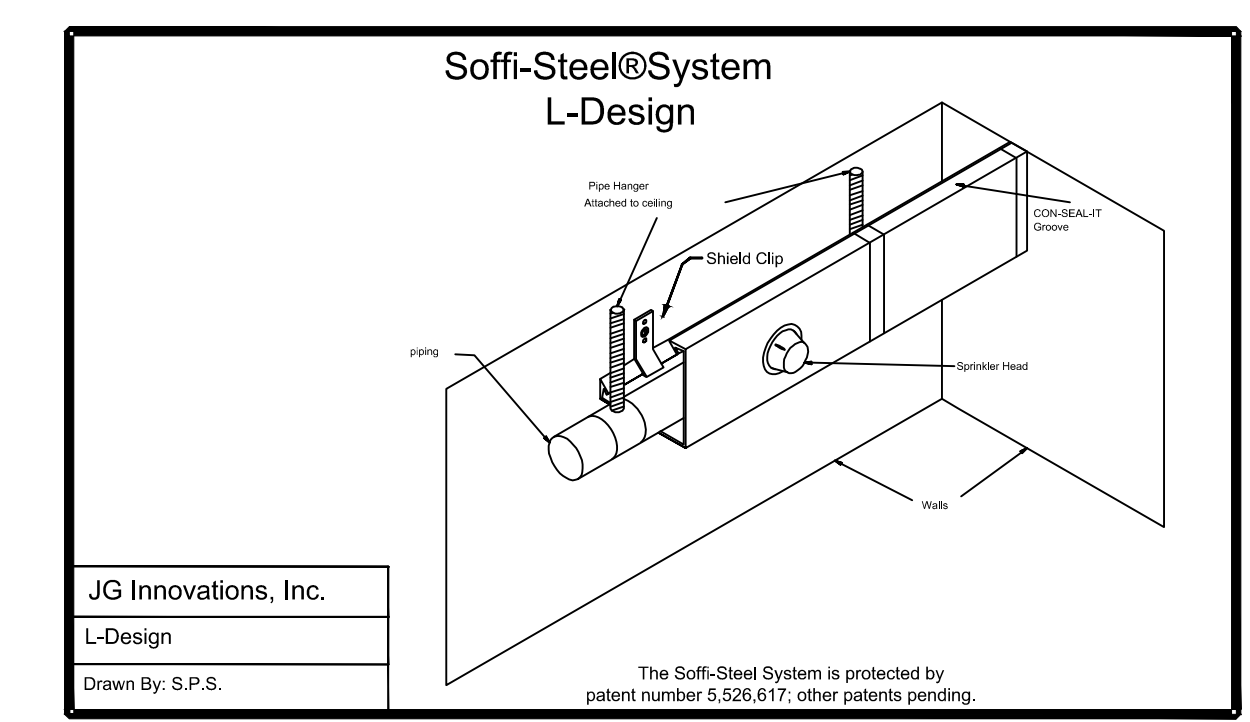
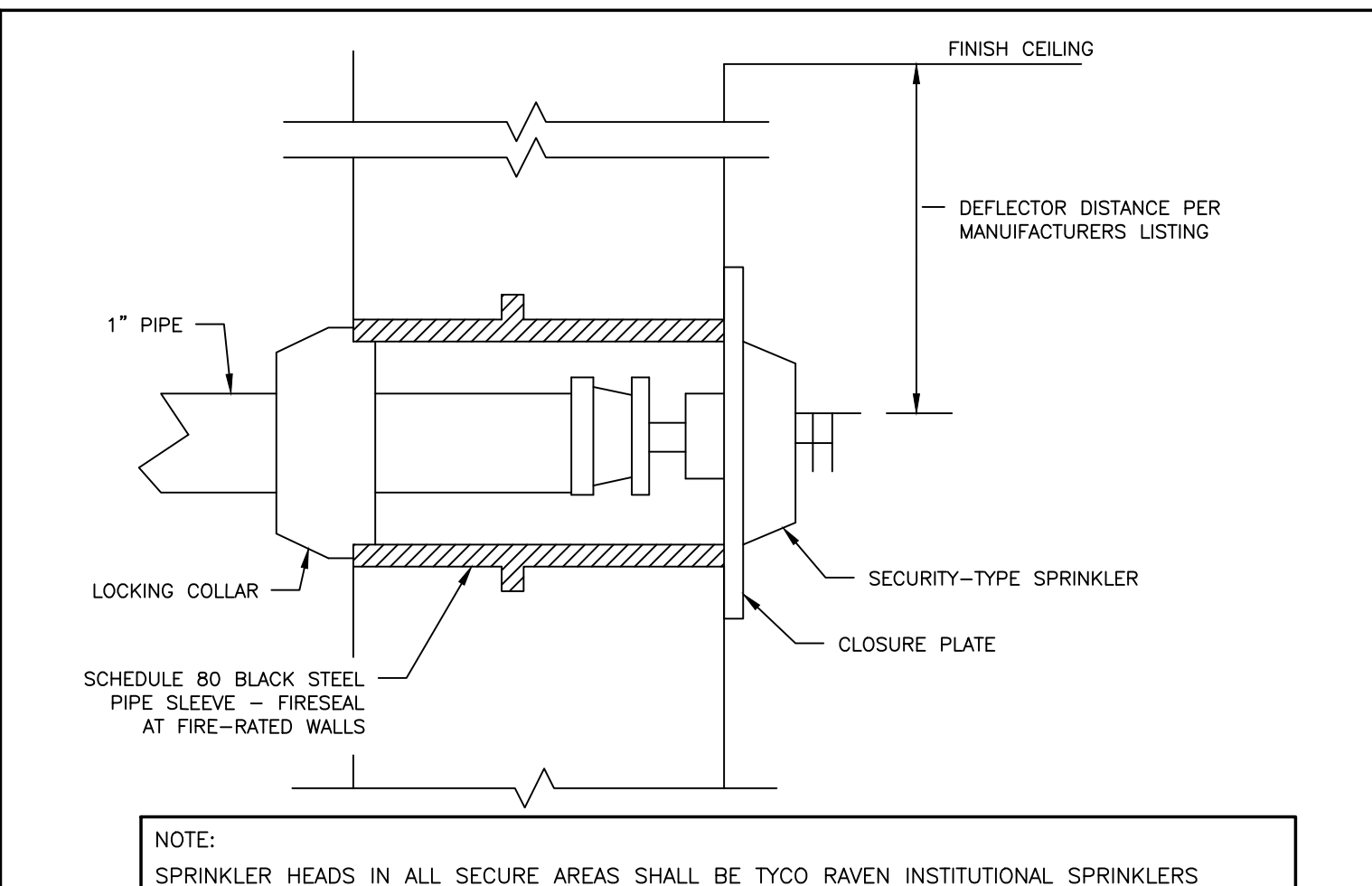
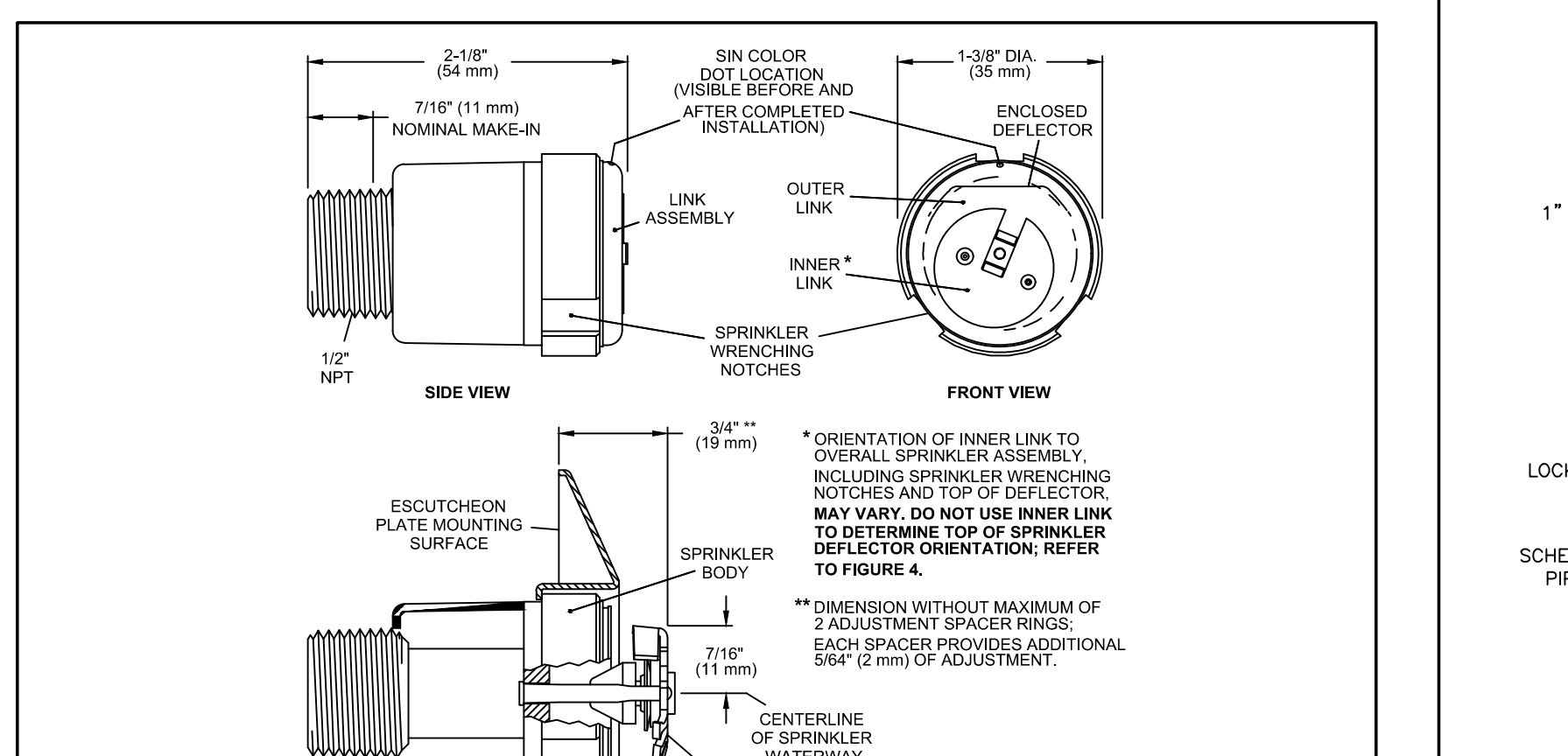
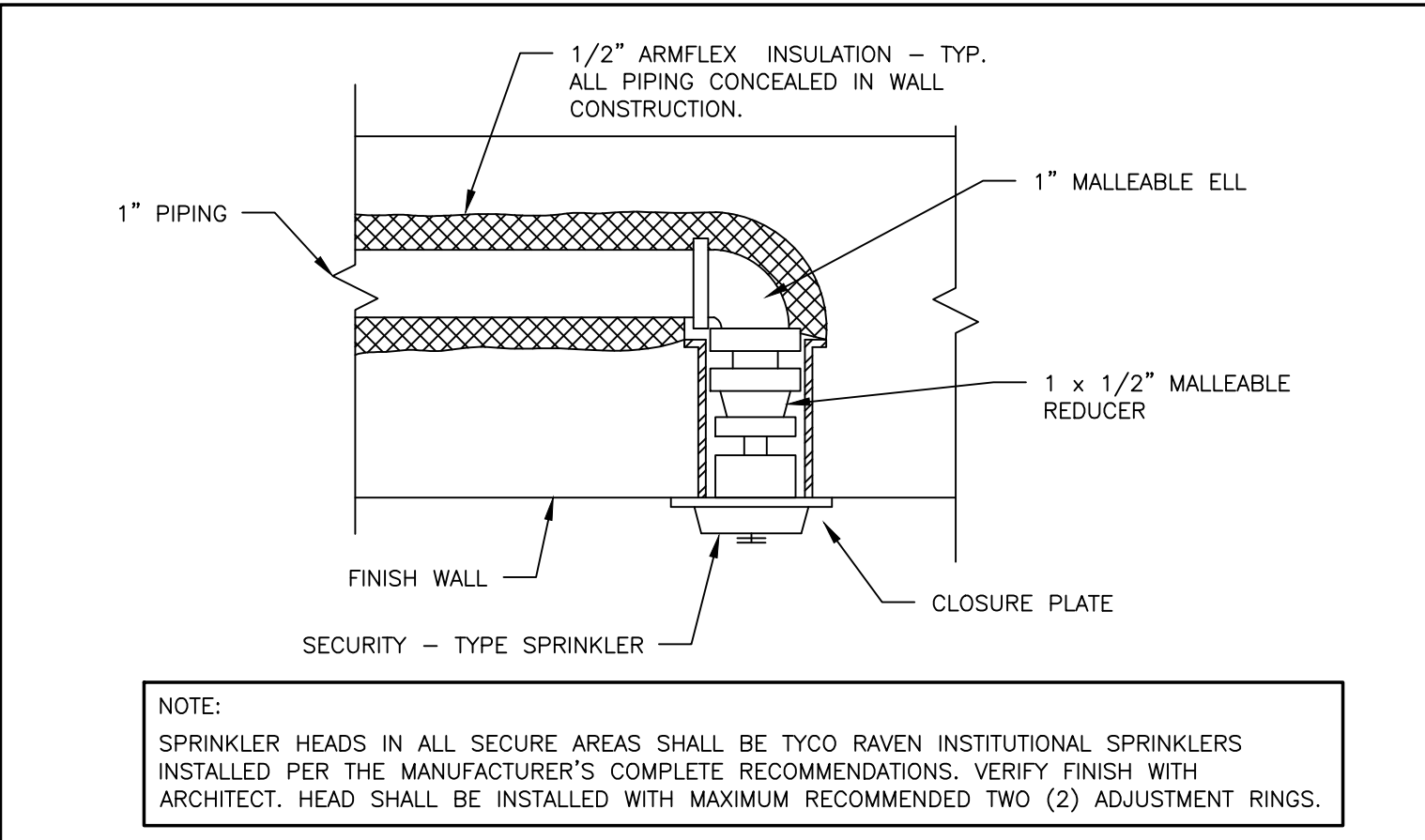
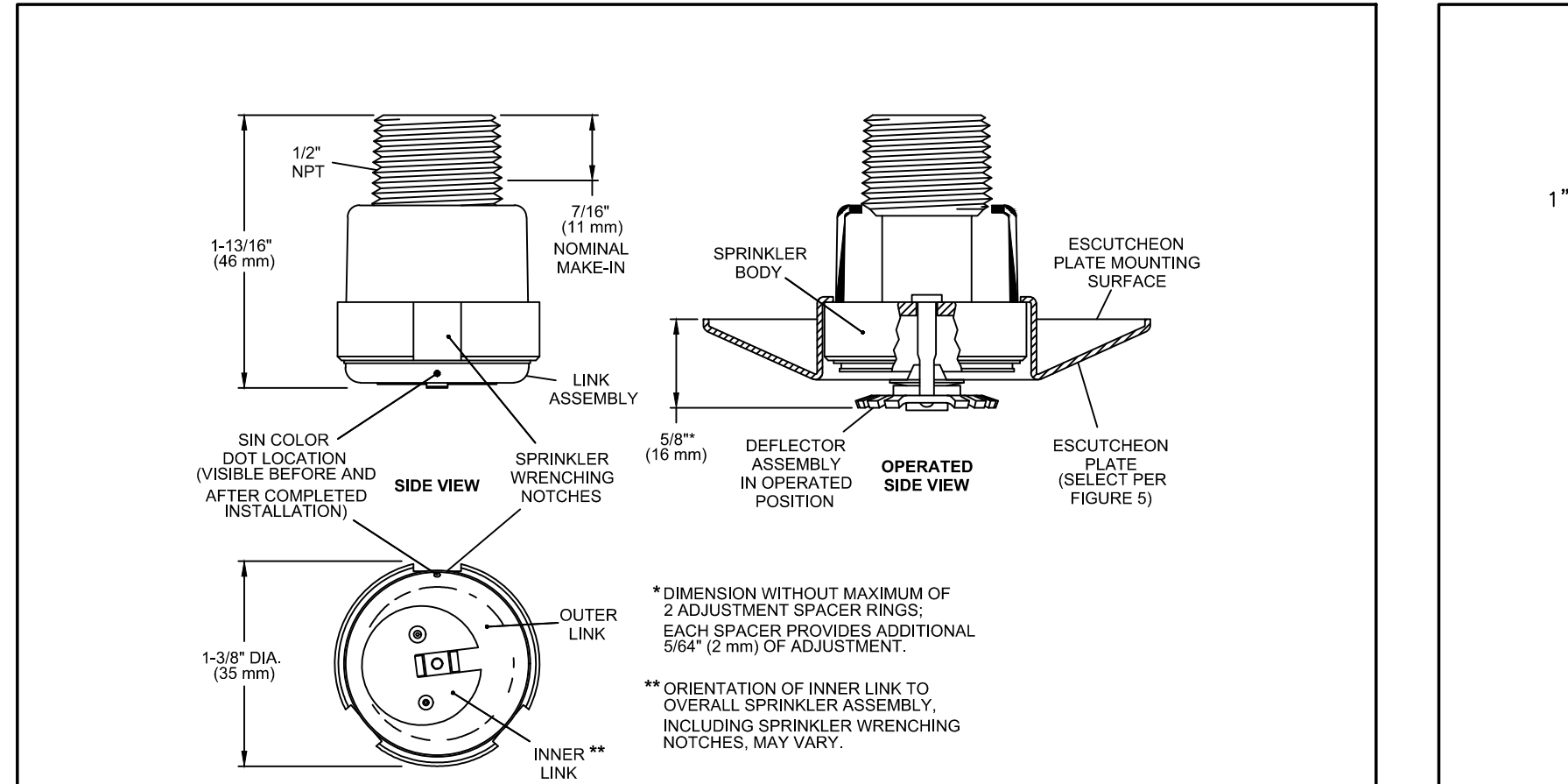
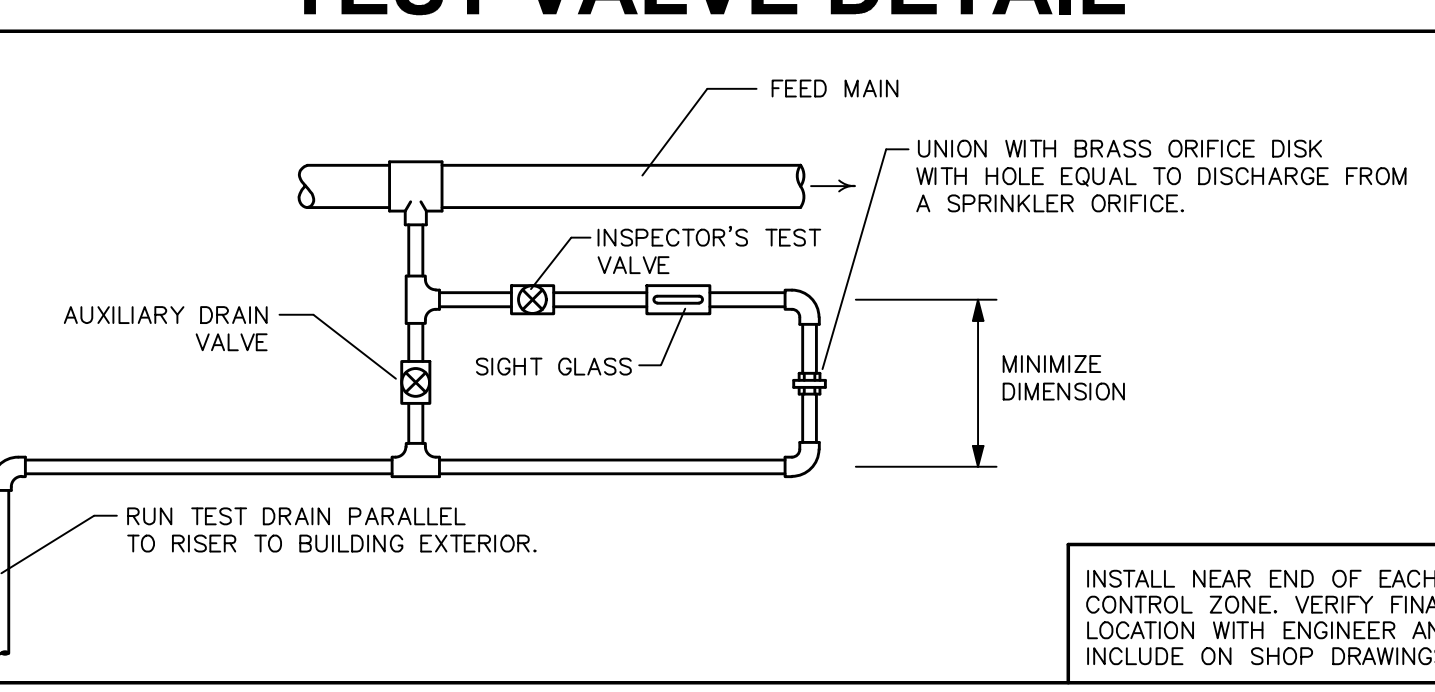
FIRE SPRINKLER SYSTEM NOTES

- THE FIRE PROTECTION SYSTEM IS SHOWN IN SCHEMATIC FORM ONLY. THE SUCCESSFUL FIRE PROTECTION VENDOR SHALL LOCATE AND SIZE ALL SPRINKLER HEADS, FIRE DEPARTMENT CONNECTIONS, STANDPIPE SYSTEMS, PIPING, ETC. IN COMPLETE ACCORDANCE WITH NFPA 13, 2021 INTERNATIONAL FIRE CODE, AND THE 2015 INTERNATIONAL BUILDING CODE AND LOCAL REQUIREMENTS.
- SYSTEM DESIGN TO BE IN ACCORDANCE WITH WRITTEN SPECIFICATIONS. ALL HYDRAULIC CALCULATIONS SHALL BE SUBMITTED TO ENGINEER FOR REVIEW AND APPROVAL.
- ALL PIPING SHALL BE INSTALLED IN SUCH A MANNER AS TO AVOID PLUMBING AND HVAC INSTALLATIONS. FAILURE TO COORDINATE WORK WILL RESULT IN REWORK AT CONTRACTOR'S EXPENSE. MAINTAIN MINIMUM STAR WELL EGRESS CLEARANCE.
- INSTALL ALL ABOVE CEILING PIPING BELOW DUCT.
- INSTALL ALL EXPOSED PIPING AS HIGH AS POSSIBLE.
- ROUTE ALL EXPOSED PIPING IN CHASES WHERE POSSIBLE.
- COORDINATE ALL WORK WITH ARCHITECTURAL, STRUCTURAL, HVAC AND ELECTRICAL TRADES. PLUMBING PIPE ROUTING SHOWN IS DIAGRAMMATIC. PROVIDE ALL OFFSETS, ETC., TO AVOID INTERFERENCES WITH EQUIPMENT, PIPING, DUCTWORK, LIGHTS, CONDUIT, ETC..
- COORDINATE ALL FLOOR PENETRATIONS WITH STRUCTURAL DRAWINGS. SET SLEEVES IN FLOORS AND WALLS AND ATTACHMENTS FOR HANGERS AS CONSTRUCTION PROGRESSES. ALL PENETRATIONS MUST BE SEALED AND HELD AS TIGHT TO COLUMNS OR WALLS AS POSSIBLE.
- ALL PIPING SHALL BE CONCEALED INSIDE WALLS AND IN PIPE CHASES OR ABOVE CEILINGS. HOLD ALL PIPING ABOVE CEILING AS HIGH AS POSSIBLE.
- ALL STRUCTURAL PENETRATIONS (SLEEVES, BLOCKOUTS, ETC.) ARE TO BE LOCATED AND COORDINATED IN THE FIELD BY THE CONTRACTOR IN RELATION TO THE REQUIREMENTS OF FINAL EQUIPMENT AND FIXTURES SELECTED.
- FIELD VERIFY EXACT SIZE, MATERIAL, AND LOCATION OF ALL EXISTING UTILITIES BEFORE BEGINNING WORK.
- INSTALL ANGLE OVER SPRINKLER PIPE ACROSS WALK-PATH IN THE ROOF PLENUM AND OTHER AREAS WHERE TRIPPING MIGHT BE A HAZARD. PRIME AND PAINT ANGLE SAFETY YELLOW COLOR.
- FIRE SPRINKLER CONTRACTOR SHALL BE LICENSED BY THE ALABAMA STATE FIRE MARSHALL'S OFFICE.
- REFERENCE ARCHITECTURAL PLANS FOR MODULE DETAILS. PLUMBING CONTRACTOR IS REQUIRED TO COORDINATE WITH ALL TRADES. SHOP DRAWINGS COORDINATE BETWEEN TRADES WILL BE REQUIRED.
- USE SECURITY HEADS IN ALL SECURE LOCATIONS. REFERENCE ARCHITECTURAL PLANS FOR SECURE AREAS.
- INSTALL GUARDS OVER ALL HEADS LOCATED IN INDOOR EXERCISE AREAS.
- INSTALL SECURITY BAR GRATE IN ALL OPENINGS 6"x6" OR GREATER IN ALL SECURE AREAS. REFERENCE ARCHITECTURAL BAR GRATE DETAIL.
- CONTRACTOR SHALL FURNISH AND INSTALL JG INNOVATIONS OR APPROVED EQUAL METAL COVERS FOR ANY EXPOSED PIPING. COVERS SHALL BE PRIMED AND PAINTED TO MATCH WALLS, CEILING, ETC. COVERS INSTALLED IN SECURE AREAS SHALL BE RATED FOR SECURE INSTALLATIONS AND INCLUDE SECURE HARDWARE COVERS MAY BE SHOP FABRICATED, 12 GA PRIMED AND PAINTED.
- CONTRACTOR SHALL ASSUME 65 PSIG AT BASE OF RISER FOR FIRE PROTECTION SYSTEM CALCULATIONS.
- SPRINKLER HEADS IN ALL SECURE AREAS SHALL BE TYCO RAVEN INSTITUTIONAL SPRINKLERS INSTALLED PER THE MANUFACTURER'S COMPLETE RECOMMENDATIONS. VERIFY FINISH WITH ARCHITECT. HEAD SHALL BE INSTALLED WITH MAXIMUM RECOMMENDED TWO (2) ADJUSTMENT RINGS.
- ALL WET PIPE SPRINKLER PIPING & DEVICES SHALL BE RAN ABOVE CEILINGS (BELOW INSULATION IN ATTIC IF NO CEILING).

TYPICAL ZONE CONTROL STATION DETAIL



TYPICAL INSPECTOR'S TEST VALVE DETAIL



FIRE SPRINKLER LEGEND

	NEW FIRE PROTECTION PIPING
	WALL MOUNTED SIAMENSE FIRE DEPARTMENT CONNECTION

FIRE SPRINKLER ZONE LEGEND

ZONE NO.	AREA DESCRIPTION	SYSTEM TYPE	ZONE COVERAGE (SQFT)	ZONE HATCH PATTERN
1	JAIL & ATTIC (UNLESS OTHERWISE NOTED)	WET PIPE	26,000	
2	SALLY PORT	DRY PIPE	830	
3	SECURITY ELECTONICS	DB INTERLOCK	215	

FIRE SPRINKLER PLUMBING DRAWING INDEX

SHEET NO.	SHEET TITLE
SP1.1	FIRE SPRINKLER PLUMBING LEGEND, NOTES, AND DETAILS
SP2.1	FIRE SPRINKLER PLUMBING PLAN

CONSTRUCTION DOCUMENTS

Project Number: 22-1189
Date: 30 MAY 2024
Revisions:

Sheet Description

FIRE SPRINKLER PLUMBING LEGEND, NOTES, AND DETAILS

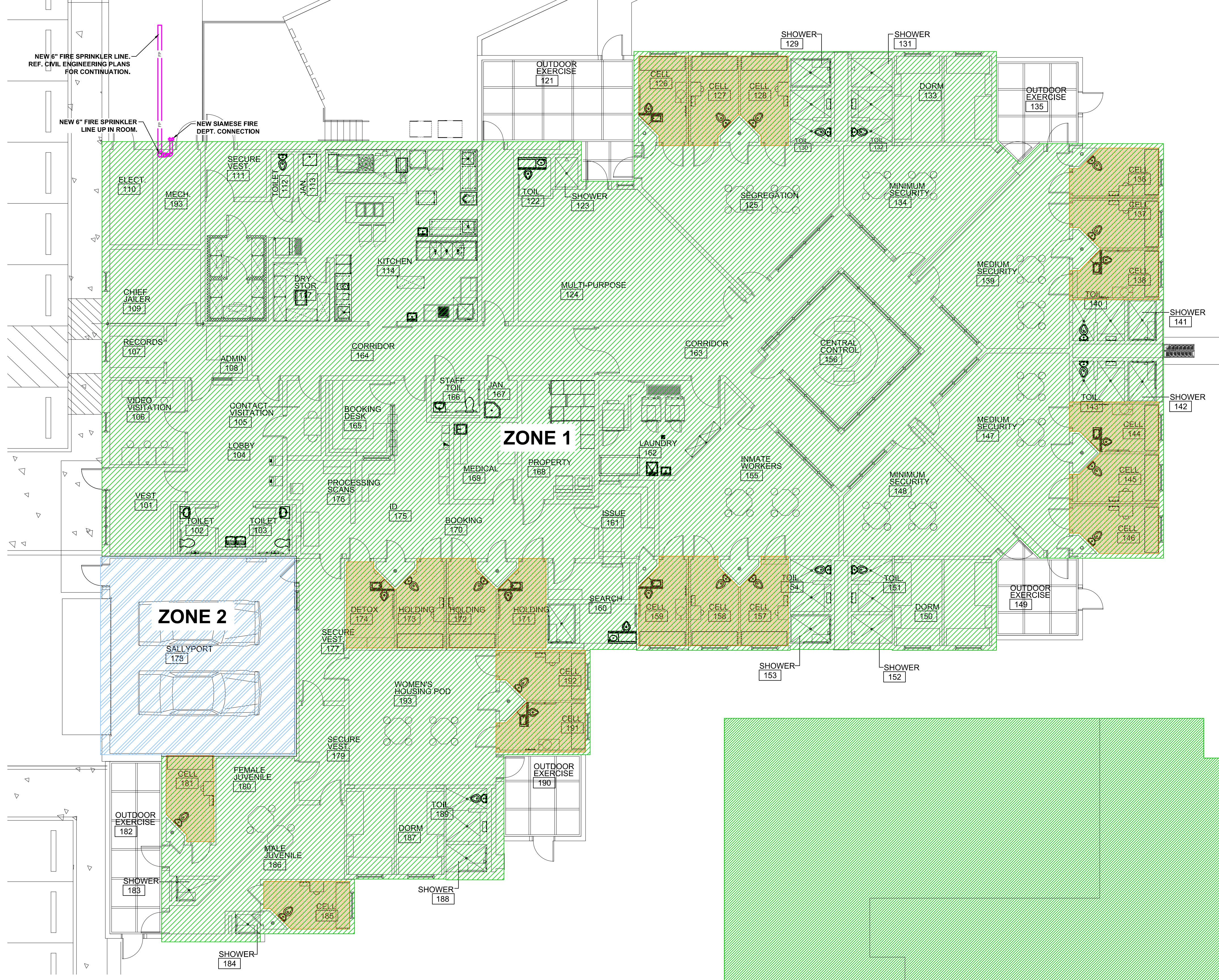
Sheet Number

SP1.1

FIRE SPRINKLER PLUMBING LEGEND, NOTES, AND DETAILS

NOT TO SCALE

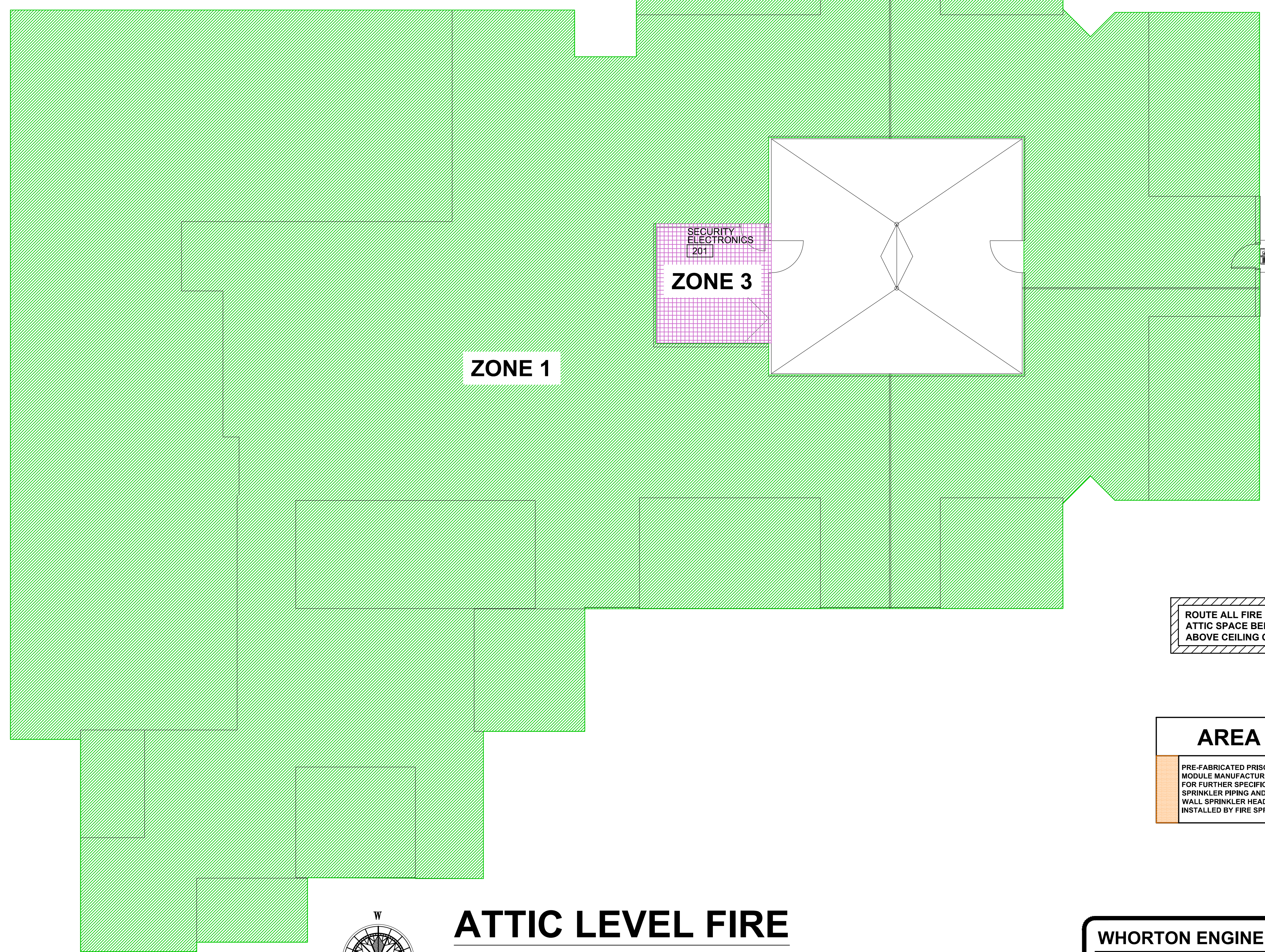
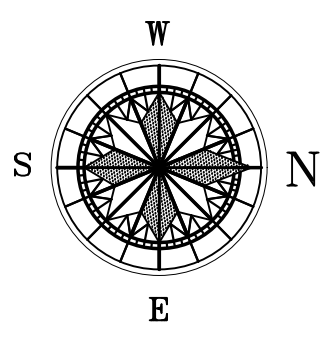
WHORTON ENGINEERING, INC.
HVAC - PLUMBING - PROCESS CONTROL
Randall Whorton
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DATE: 06-03-2024
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No. 14192
PROFESSIONAL
ENGINEER
STATE OF ALABAMA
WHORTON ENGINEERING PROJECT NO. 23198



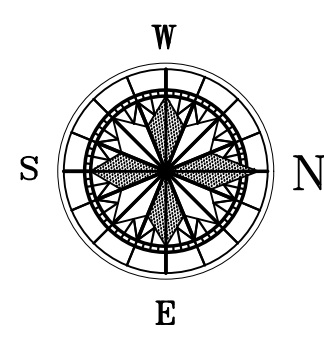
ZONE 1

SECURITY ELECTRONICS [201]
ZONE 3

FIRE SPRINKLER PLUMBING PLAN
SCALE: 1/8" = 1'-0"
0' 5' 10' 20'
SCALE



ATTIC LEVEL FIRE SPRINKLER PLUMBING PLAN
SCALE: 1/8" = 1'-0"
0' 5' 10' 20'
SCALE



ROUTE ALL FIRE SPRINKLER PIPING IN ATTIC SPACE BELOW INSULATION OR ABOVE CEILING OF LEVEL BELOW.

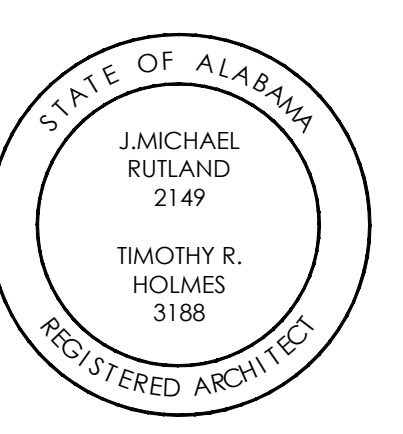
AREA LEGEND
PRE-FABRICATED PRISON CELL SHALL BE SUPPLIED BY MODULE MANUFACTURER. SEE ARCHITECTURAL PLANS FOR FURTHER SPECIFICATION AND DETAILING. ALL FIRE SPRINKLER PIPING AND EQUIPMENT, INCLUDING SIDE WALL SPRINKLER HEAD SHALL BE SUPPLIED AND INSTALLED BY FIRE SPRINKLER CONTRACTOR.

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**CHOCTAW COUNTY JAIL
BUTLER,
ALABAMA**

CONSTRUCTION DOCUMENTS

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Sheet Description

FIRE SPRINKLER PLUMBING PLAN

Sheet Number

SP2.1

HVAC LEGEND					
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	CEILING DIFFUSER - SUPPLY RECTANGULAR WITH ROUND NECK 4-WAY THROW UNLESS OTHERWISE INDICATED		SMOKE DETECTOR FOR FAN SHUT-DOWN		STANDARD 90° RADIUS ELBOW
	CEILING DIFFUSER - RETURN RECTANGULAR WITH SQUARE NECK		IN DUCT SENSOR (TEMP/HUMIDITY) LOCATION		STANDARD 45° RADIUS ELBOW
	SIDEWALL DIFFUSER - SUPPLY WITH MULTI-VANE DEFLECTOR		HORIZONTAL MOUNTED FIRE DAMPER		90° VANE ELBOW (PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH VANES EVEN IF SYMBOL IS MISSING)
	SIDEWALL DIFFUSER - RETURN WITH 30° FIXED DEFLECTION		VERTICAL MOUNTED FIRE DAMPER		45° VANE ELBOW (PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH VANES EVEN IF SYMBOL IS MISSING)
	DIFFUSER TAG REFERENCE SCHEDULE FOR SIZING		THERMOSTAT LOCATION		VANE TEE (PROVIDE ALL SQUARE OR RECTANGULAR TEE'S WITH VANES EVEN IF SYMBOL IS MISSING)
	CEILING EXHAUST FAN		HUMIDISTAT LOCATION		STANDARD DUCT SIZE TRANSITION
	NEW RECTANGULAR DUCT WIDTH X DEPTH		CARBON MONOXIDE SENSOR LOCATION		STANDARD SQUARE TO ROUND TRANSITION
	NEW ROUND DUCT DIAMETER		CARBON DIOXIDE SENSOR LOCATION		ELECTRIC UNIT HEATER WALL MOUNTED (RECESSED)
	MANUAL VOLUME DAMPER OPPOSED TRADE		HVAC CONDENSATE DRAIN PIPING		
	LOW LEAKAGE MOTORIZED VOLUME DAMPER		HVAC REFRIGERANT LINE		

HVAC NOTES	
1	ALL DUCT DIMENSIONS SHOWN ARE NET INTERNAL.
2	INSTALL OPPOSED BLADE BALANCING DAMPERS IN ALL NEW DIFFUSERS AND GRILLES.
3	THESE DRAWINGS ARE SCHEMATIC IN NATURE AND ARE NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS. IT IS INTENDED THAT A COMPLETE HVAC SYSTEM BE PROVIDED WITH ALL NECESSARY EQUIPMENT, APPURTENANCES, AND CONTROLS, COMPLETELY COORDINATED WITH ALL DISCIPLINES. ALL REQUIREMENTS OF THESE DOCUMENTS SHALL BE STRICTLY CONFORMED WITH. ANY ITEMS AND LABOR REQUIRED FOR A COMPLETE HVAC SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS, AND THESE CONTRACT DOCUMENTS SHALL BE FURNISHED WITHOUT INCURRING ANY ADDITIONAL COST TO THE CONTRACTOR. CAREFULLY REVIEW ALL CONTRACT DOCUMENTS AND THE DESIGN OF OTHER TRADES BEFORE PREPARING SHOP DRAWINGS.
4	COORDINATE DUCTWORK AND PIPING WITH STRUCTURAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL. MAKE OFFSETS AND TRANSITIONS AS REQUIRED TO CLEAR STRUCTURAL MEMBERS, ETC. COORDINATE WITH OTHER TRADES WITHOUT ADDITIONAL EXPENSE TO THE OWNER.
5	REFER TO ARCHITECTURAL CEILING PLANS FOR EXACT LOCATION OF ALL CEILING MOUNTED AIR DISTRIBUTION DEVICES; COORDINATE EXACT LOCATION OF GRILLES, REGISTERS, AND DIFFUSERS WITH ARCHITECTURAL AND INTERIOR REFLECTED CEILING PLANS AND LIGHTING FIXTURES. FOR PARTICULAR ITEMS NOT SHOWN ON THE ARCHITECTURAL REFLECTED CEILING PLAN, PREPARE A DRAWING AND PRESENT IT TO THE ARCHITECT FOR REVIEW AND/OR APPROVAL.
6	COORDINATE ALL ROOF AND SLAB PENETRATIONS WITH THE STRUCTURAL ENGINEER, TRANSFER RECTANGULAR DUCTWORK ON THE BOTTOM AND THE SIDES. MAINTAIN DUCTWORK LEVEL AS HIGH AS POSSIBLE UNLESS NOTED OTHERWISE.
7	THE HVAC CONTRACTOR IS TO REVIEW THE ENTIRE SET OF PLANS FOR COORDINATION WITH OTHER TRADES. SHOP DRAWINGS WITH ALL TRADES COORDINATED WILL BE REQUIRED.
8	THE HVAC CONTRACTOR SHALL REVIEW THE ARCHITECTURAL PLANS FOR FINAL LOCATIONS OF ALL RATED WALLS, CEILINGS, FLOORS, ETC. THE HVAC CONTRACTOR SHALL FURNISH AND INSTALL FIRE OR FIRE/SMOKE DAMPERS IN ALL RATED LOCATIONS WHETHER SHOWN ON THE MECHANICAL PLANS OR NOT.
9	CONTRACTOR SHALL COORDINATE VOLTAGE AND PHASE OF EACH PIECE OF EQUIPMENT WITH THE ELECTRICAL CONTRACTOR PRIOR TO ORDERING.
10	ALL THREE PHASE EQUIPMENT SHALL BE EQUIPPED WITH PHASE LOSS PROTECTION.
11	ALL MOTOR STARTERS SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR.
12	CONTRACTOR TO COORDINATE ALL CEILING TYPES WITH DIFFUSERS. ALL DIFFUSERS IN GYPSUM CEILING SHALL INCLUDE PLASTER FRAME.
13	ALL DISTRIBUTION DEVICES SHALL HAVE FACE OPERABLE DAMPERS. ALL DIFFUSER RUNOUTS SHALL INCLUDE SPIN-IN WITH DAMPER IN ROUND DUCTS.
14	INSULATE TOP SIDE/BACK OF ALL DIFFUSERS/GRILLES, ETC.
15	CONDENSATE DRAIN PIPING SHALL BE SLOPED A MINIMUM OF 1/8" PER FOOT AND SHALL BE SIZED PER TABLE 307.2.2 IN THE 2015 INTERNATIONAL MECHANICAL CODE UNLESS SHOWN LARGER ON PLANS.
16	ALL 3/4" AND 1" CONDENSATE DRAIN TRAPS SHALL BE EZ-TRAP OR APPROVED EQUAL WITH FLOAT SWITCH.
17	INSTALL AUXILIARY DRAIN PAN UNDER ALL UNITS MOUNTED IN ATTIC ABOVE CEILINGS, ETC. INSTALL FLOAT SWITCH FOR UNIT SHUT DOWN IN AUXILIARY DRAIN PAN.
18	REFERENCE PLUMBING PLANS FOR CONDENSATE PIPING. IF CONDENSATE DRAINS ARE NOT SHOWN ON THE PLUMBING PLANS, ALL CONDENSATE DRAINS SHALL BE FURNISHED AND INSTALLED BY THE HVAC CONTRACTOR.
19	VERIFY WITH THE ARCHITECTURAL DRAWINGS, SIZE, LOCATION, AND MOUNTING HEIGHT OF ALL LOUVERS. VERIFY COLOR AND FINISH WITH ARCHITECT.
20	ALL UNUSED PORTION OF LOUVERS SHALL BE CAPPED OFF WITH 1" INSULATED ALUMINUM AND SEALED AIR/WATER TIGHT.
21	ALL THERMOSTATS TO BE AUTOMATIC CHANGE OVER TYPE AND SHALL INCLUDE LOCKING THERMOSTAT COVERS.
22	ALL THERMOSTATS TO BE MOUNTED 4'-0" A.F.F. TO HIGHEST OPERABLE CONTROL UNLESS OTHERWISE INDICATED.
23	ALL REFRIGERANT LINES SHALL BE SIZED/APPROVED BY THE EQUIPMENT VENDOR/COMPRESSOR MANUFACTURER.
24	PAINT ALL EXTERIOR EXPOSED ARMAFLEX INSULATION FOR UV PROTECTION.
25	PORTIONS OF DUCTWORK VISIBLE THROUGH GRILLES, REGISTERS, AND DIFFUSERS IN FINISHED AREAS SHALL BE PAINTED FLAT BLACK.
26	FLEXIBLE DUCT (SUPPLY RUNOUTS ONLY) SHALL NOT EXCEED 6'-0" IN LENGTH.
27	DUCTWORK SHALL BE INSULATED IN ACCORDANCE WITH THE FOLLOWING SCHEDULE: RECTANGULAR SUPPLY: 1" INTERNAL ROUND SUPPLY; 1-1/2" EXTERNAL FLEXIBLE SUPPLY; 1" PRE INSULATED RECTANGULAR RETURN; 1" INTERNAL OSA/EXHAUST; 1-1/2" EXTERNAL.
28	DUCTWORK SHALL BE GALVANIZED AND INSTALLED IN ACCORDANCE WITH SMACNA STANDARDS.
29	LABEL ALL DUCTS WITH TYPE (SUPPLY, RETURN, ETC.) AND ARROWS INDICATING DIRECTION OF AIR FLOW. LABELS SHALL BE EVERY SIX FEET AND AT EACH CHANGE OF DIRECTION (T'S, ELBOWS, ETC.)
30	ROUND DUCT SHALL BE INSULATED WITH DUCT WRAP EQUAL TO CERTAINTEEED SOFT TOUCH DUCT WRAP WITH FSK VAPOR RETARDER FACING TYPE 75 WITH MINIMUM INSTALLED R-VALUE 4.2. ROUND DUCTS LOCATED WITHIN THE ATTIC SHALL BE INSULATED WITH DUCT WRAP EQUAL TO CERTAINTEEED SOFT TOUCH DUCT WRAP WITH FSK VAPOR RETARDER FACING TYPE 100 WITH MINIMUM INSTALLED R-VALUE 6.0
31	ALL OPEN ENDED DUCT SHALL BE CAPPED WITH 1/2"x1/2" WIRE MESH.
32	ALL EXPOSED DUCT SHALL BE INSULATED INTERNALLY WITH 1" DUCT LINER EQUAL TO CERTAINTEEED TQ2 DUCT LINER WITH MINIMUM INSTALLED R-VALUE 4.0.
33	ALL EXPOSED DUCT SHALL BE PAINTED. DUCT SHALL BE "PAINT GRIP". COORDINATE PAINT COLOR WITH ARCHITECT.
34	DUCT LINER FOR RECTANGULAR DUCTS SHALL BE EQUAL TO CERTAINTEEED TQ2 DUCT LINER WITH A MINIMUM R-VALUE OF 4.0. RECTANGULAR DUCTS LOCATED WITHIN THE ATTIC SHALL BE LINED WITH DUCT LINER EQUAL TO CERTAINTEEED TQ2 DUCT LINER WITH A MINIMUM R-VALUE OF 4.0 AND WRAPPED EXTERNALLY WITH DUCT WRAP EQUAL TO CERTAINTEEED SOFT TOUCH DUCT WRAP WITH FSK VAPOR RETARDER FACING TYPE 75 WITH A MINIMUM INSTALLED R-VALUE OF 4.2.
35	EXTERIOR DUCT SHALL INCLUDE INSTALLATION OF GLASS CLOTH OVER INSULATION. GLASS CLOTH JACKET SHALL BE DRAWN SMOOTH AND TIGHT WITH A 2-INCH OVERLAP AT JOINTS. EMBED GLASS CLOTH BETWEEN TWO (2) 1/16-INCH-THICK COATS OF LACING ADHESIVE. COMPLETELY ENCAPSULATE THE INSULATION WITH THE JACKET, LEAVING NO EXPOSED RAW INSULATION. FLEXIBLE ELASTOMERIC SHEET 2" THICK MAY BE USED IN LIEU OF 2"-FIBERGLASS ON EXTERIOR DUCT. HOWEVER, GLASS CLOTH JACKET SHALL BE RETAINED IF ELASTOMERIC INSULATION IS USED. MINIMUM INSTALLED R-VALUE 6.0.
36	EXTERIOR DUCT SHALL BE JACKETED WITH MFM BUILDING PRODUCTS FLEX-CLAD 250. FLEX-CLAD 250 SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS. FLEX-CLAD COLOR SHALL BE AS SELECTED BY ENGINEER. STANDARD COLORS ARE ALUMINUM, WHITE, AND ALMOND.
37	SLOPE HORIZONTAL SECTIONS OF KITCHEN HOOD EXHAUST DUCT A MINIMUM OF 1/4 INCH PER FOOT AS REQUIRED BY 2015 IBC. INSTALL CLEANOUTS IN GREASE DUCT TO ALLOW FOR SERVICING/CLEANING.
38	ALL ROOF MOUNTED DUCT SHALL BE INSTALLED WITH APPROXIMATELY 18" CLEARANCE UNDER THE DUCT. DUCT SHALL BE SUPPORTED WITH SHEET METAL ANGLE LEGS ON TREATED 4x4'S IN A DEEP PITCH PAN.
39	THE HVAC CONTRACTOR SHALL FURNISH AND INSTALL A SMOKE DETECTOR FOR FIRE SHUT DOWN IN ALL UNITS 2000 CFM AND ABOVE AND IN ALL UNITS SERVING EXIT ACCESS CORRIDORS REGARDLESS OF SIZE.
40	WARRANTIES SHALL BEGIN AT DATE OF SUBSTANTIAL COMPLETION. ALL COMPRESSORS SHALL INCLUDE MIN. OF FIVE YEAR WARRANTY. ONE YEAR WARRANTY FOR LABOR, PARTS, UNITS, ETC. IS REQUIRED FOR ALL EQUIPMENT.
41	CONTRACTOR SHALL ANCHOR OUTDOOR UNITS TO CONCRETE PAD IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION, WIND LOAD REQUIREMENTS, AND AS PER PLANS/SPECIFICATIONS. COORDINATE CONCRETE PAD SIZE, UNIT CLEARANCES, ETC. WITH STRUCTURAL AND ARCHITECTURAL PLANS, FRAMING, ETC.
42	THE CONTRACTOR SHALL INSTALL ANY CURB-MOUNTED EQUIPMENT IN SUCH A WAY THAT NO WATER LEAKAGE IS INTRODUCED INTO THE BUILDING.
43	MANUFACTURER/CONTRACTOR SHALL FURNISH AND INSTALL TORNADO/HURRICANE WIND CLIPS FOR CURB MOUNTED EQUIPMENT.
44	ALL CONDENSING UNITS ON ROOF SHALL BE MOUNTED ON CUSTOM CURB OR APPROVED EQUAL EQUIPMENT RAILS. EQUIPMENT RAILS SHALL EXTEND TO THE STRUCTURAL STEEL BUILDING SUPPORT AND 12" ABOVE FINISHED ROOFING.
45	ALL INDOOR AND OUTDOOR UNITS SHALL BE LOCATED SO THAT MAINTENANCE CLEARANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION AND AS PER PLANS/SPECIFICATIONS ARE MAINTAINED. COORDINATE MAINTENANCE CLEARANCES WITH STRUCTURAL AND ARCHITECTURAL PLANS, FRAMING, ETC.
46	INSTALL SECURITY BAR GRATE IN ALL OPENINGS 6"x6" OR GREATER. REFERENCE SECURITY BAR GRATE DETAIL FOR ADDITIONAL INFORMATION.

CODES AND STANDARDS		
• 2015 INTERNATIONAL PLUMBING CODE	• 2015 INTERNATIONAL FUEL GAS CODE	• 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
• 2015 INTERNATIONAL MECHANICAL CODE	• 2015 INTERNATIONAL FIRE CODE	• ASHRAE 90.1-2013 ENERGY STANDARD

EXHAUST FAN SCHEDULE										
MARK NO.	MOUNTING	CFM	STATIC IN W.G.	SONES/DBA	WATTS/H.P.	VOLTAGE	MANUFACTURER (OR APPROVED EQUAL)	MODEL NO.	WEIGHT (LBS.)	NOTES
EF 1	CEILING	75	0.25	1.6 SONES	55 WATTS	115-1-60	LOREN COOK	GC-142	15	1 2 3 4
EF 2	CEILING	75	0.25	1.6 SONES	55 WATTS	115-1-60	LOREN COOK	GC-142	15	1 2 3 4
EF 3	CEILING	75	0.25	1.6 SONES	55 WATTS	115-1-60	LOREN COOK	GC-142	15	1 2 3 4
EF 4	CEILING	75	0.25	1.6 SONES	55 WATTS	115-1-60	LOREN COOK	GC-142	15	1 3 4 5
EF 5	CEILING	100	0.25	1.6 SONES	80 WATTS	115-1-60	LOREN COOK	GC-164	15	1 3 4 5
EF 6	ROOF	1,600	0.35	12.3 SONES	0.5 H.P.	115-1-60	LOREN COOK	135R150	100	1 4 5 6 7
EF 7	ROOF	1,145	1.50	66 DBA	0.75 H.P.	460-3-60	LOREN COOK	135CIC	290	8 9 10 11

1 FAN TO INCLUDE FACTORY MOUNTED/PRE-WIRED FAN SPEED CONTROL. 2 FAN TO BE SWITCHED WITH LIGHTING. 3 FAN TO INCLUDE CEILING RADIATION DAMPER. 4 FAN TO INCLUDE 277V/115V TRANSFORMER. 5 FAN TO BE SWITCHED WITH WALL MOUNTED ON/OFF SWITCH. 6 FAN TO INCLUDE FACTORY DISCONNECT AND DAMPER. 7 FAN TO INCLUDE FACTORY TIE-DOWN EYELETS AND FACTORY ROOF CURB. COORDINATE ALL ROOF CURBS WITH THE ROOFING CONTRACTOR. PRIME AND PAINT ROOF CURB TO MATCH ROOF. (VERIFY FINAL COLOR WITH ARCHITECT).

8 FAN SHALL ALSO BE PART OF THE SMOKE CONTROL SYSTEM. REFERENCE SMOKE EXHAUST SYSTEM CONTROL NOTES. 9 FAN TO RUN CONTINUOUSLY. 10 FAN TO INCLUDE FACTORY VIBRATION ISOLATION, HI-TEMP OSHA BELT GUARD, HEAT SHIELD, AND DISCONNECT. 11 FAN SHALL BE UL LISTED FOR SMOKE CONTROL.

APPROVED EQUALS: BREIDERT, GREENHECK, AND PENN.

SMOKE EVAC EXHAUST FAN SCHEDULE										
MARK NO.	MOUNTING	CFM	STATIC IN W.G.	SONES	H.P.	VOLTAGE	MANUFACTURER (OR APPROVED EQUAL)	MODEL NO.	WEIGHT (LBS.)	NOTES
SEF 1	ROOF	5,510	2.0	25	5	460-3-60	LOREN COOK	330SCX11B	600	SEE BELOW
SEF 2	ROOF	5,510	2.0	25	5	460-3-60	LOREN COOK	330SCX11B	600	SEE BELOW
SEF 3	ROOF	1,700	2.0	16.8	1	460-3-60	LOREN COOK	165SCH7B	200	SEE BELOW
SEF 4	ROOF	2,500	2.0	18.2	1.5	460-3-60	LOREN COOK	180SCH8B	300	SEE BELOW
SEF 5	ROOF	7,155	2.0	22	5	460-3-60	LOREN COOK	365SCH12B	600	SEE BELOW

1 REFERENCE SMOKE EXHAUST SYSTEM SEQUENCE CONTROL NOTES FOR ADDITIONAL INFORMATION. 2 FAN SHALL BE UL LISTED FOR SMOKE CONTROL SYSTEMS. 3 FAN TO INCLUDE HIGH TEMPERATURE PAINT, BELT GUARD, HEAT SHIELD, AND DISCONNECT. 4 FAN TO INCLUDE FACTORY TIE-DOWN EYELETS. 5 FAN TO INCLUDE FACTORY ROOF CURB. COORDINATE ALL ROOF CURBS WITH THE ROOFING CONTRACTOR. 6 PRIME AND PAINT ROOF CURB TO MATCH ROOF (TYPICAL AT ALL METAL ROOF LOCATIONS). 7 FAN SHALL BE ON EMERGENCY GENERATOR.

APPROVED EQUALS: GREENHECK

SUPPLY FAN SCHEDULE										
MARK NO.	MOUNTING	CFM	STATIC IN W.G.	SONES	H.P.	VOLTAGE	MANUFACTURER (OR APPROVED EQUAL)	MODEL NO.	WEIGHT (LBS.)	NOTES
SF 1	ROOF	5,510	2.0	37	5	460-3-60	LOREN COOK	28CVR-S	600	SEE BELOW
SF 2	ROOF	5,510	2.0	37	5	460-3-60	LOREN COOK	28CVR-S	600	SEE BELOW
SF 3	ROOF	1,700	2.0	34	2	460-3-60	LOREN COOK	12CVR-S	150	SEE BELOW
SF 4	ROOF	2,500	2.0	30	1.5	460-3-60	LOREN COOK	18CVR-S	300	SEE BELOW
SF 5	ROOF	8,300	2.0	33	7.5	460-3-60	LOREN COOK	32CVR-S	800	SEE BELOW

1 REFERENCE SMOKE EXHAUST SYSTEM SEQUENCE CONTROL NOTES FOR ADDITIONAL INFORMATION. 2 FAN TO INCLUDE FACTORY DISCONNECT. 3 FAN TO INCLUDE FACTORY TIE-DOWN EYELETS. 4 FAN TO INCLUDE FACTORY ROOF CURB. COORDINATE ALL ROOF CURBS WITH THE ROOFING CONTRACTOR. 5 PRIME AND PAINT ROOF CURB TO MATCH ROOF (TYPICAL AT ALL METAL ROOF LOCATIONS). 6 FAN SHALL BE ON EMERGENCY GENERATOR.

APPROVED EQUALS: GREENHECK

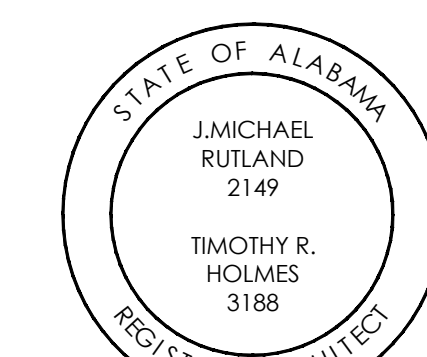
DRYER BOOSTER FAN SCHEDULE							
MARK NO.	CFM	AMPS	H.P.	VOLTAGE	MANUFACTURER (OR APPROVED EQUAL)	UNIT MODEL NO.	NOTES
DBF 1	920	6.2	1/2	120-1-60	TJERNLUND	RT1500	SEE BELOW

1 FAN TO INCLUDE WALL MOUNTED STATUS PANEL. 2 FAN TO INCLUDE FACTORY COP2 PRESSURE CONTROL (115-1-60) LOCATED IN LAUNDRY ROOM. 3 FAN TO INCLUDE FACTORY DISCHARGE HOOD FOR DRYER EXHAUST APPLICATION. 4 FAN TO INCLUDE FACTORY ROOF EQUIPMENT CURB. COORDINATE ALL ROOF CURBS WITH THE ROOFING CONTRACTOR. PRIME AND PAINT ROOF CURB AND DRYER BOOSTER FAN TO MATCH ROOF. VERIFY FINAL COLOR WITH ARCHITECT. 5 FAN TO INCLUDE FACTORY DRYER DUCT PRESSURE SWITCH FOR AUTOMATIC OPERATION OF DRYER DUCT BOOSTER. 6 SEE DRYER BOOSTER FAN WIRING DIAGRAM ON SHEET M2.4 AND PLANS FOR ADDITIONAL INFORMATION.

SMOKE EXHAUST SYSTEM CONTROL NOTES	
SMOKE EXHAUST SYSTEM CONTROLS:	
* WHEN SMOKE / FIRE IS SENSED IN A ZONE, THE FIRE ALARM SYSTEM SHALL ACCOMPLISH THE FOLLOWING:	
1.	SIGNAL AN ALARM AND ANNUNCIATE ZONE WHERE SMOKE/FIRE IS LOCATED.
2. ZONE 1:	A. SUPPLY FAN SF-1 "ON", MOTORIZED DAMPER OPEN B. SMOKE EXHAUST FAN SEF-1 "ON", MOTORIZED DAMPER OPEN C. RTU-2 "OFF", SUPPLY AND RETURN MOTORIZED DAMPERS CLOSED D. ALL OTHER SMOKE EXHAUST FANS "OFF" E. ALL OTHER SUPPLY FANS "OFF"
3. ZONE 2:	A. SUPPLY FAN SF-2 "ON", MOTORIZED DAMPER OPEN B. SMOKE EXHAUST FAN SEF-2 "ON", MOTORIZED DAMPER OPEN C. RTU-3 "OFF", SUPPLY AND RETURN MOTORIZED DAMPERS CLOSED D. ALL OTHER SMOKE EXHAUST FANS "OFF" E. ALL OTHER SUPPLY FANS "OFF"
4. ZONE 3:	A. SUPPLY FAN SF-3 "ON", MOTORIZED DAMPER OPEN B. SMOKE EXHAUST FAN SEF-3 "ON", MOTORIZED DAMPER OPEN C. GPU-1 "OFF", SUPPLY AND RETURN MOTORIZED DAMPERS CLOSED D. ALL OTHER SMOKE EXHAUST FANS "OFF" E. ALL OTHER SUPPLY FANS "OFF"
5. ZONE 4:	A. SUPPLY FAN SF-4 "ON", MOTORIZED DAMPER OPEN B. SMOKE EXHAUST FAN SEF-4 "ON", MOTORIZED DAMPER OPEN C. GPU-2 "OFF", SUPPLY AND RETURN MOTORIZED DAMPERS CLOSED D. ALL OTHER SMOKE EXHAUST FANS "OFF" E. ALL OTHER SUPPLY FANS "OFF" F. EXHAUST FAN EF-7 SHALL REMAIN "ON".
GENERAL NOTES:	
1.	CONTRACTOR IS RESPONSIBLE FOR CONTROLS RELATED TO ALL EXHAUST FANS, SUPPLY FANS, SMOKE EVACUATION EXHAUST FANS, MOTORIZED DAMPERS, ETC.
2.	CONTRACTOR SHALL PROVIDE SMOKE FOR TESTING SMOKE EVACUATION SEQUENCE. TESTING SHALL BE DONE AT FINAL AND AT YEAR-END.

HVAC DRAWING INDEX	
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M2.1	HVAC DETAILS
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M2.6	HVAC DETAILS
M2.7	HVAC DETAILS
M2.8	HVAC DETAILS
M2.9	HVAC VARIABLE REFRIGERANT FLOW DIAGRAM
M3.1	FIRST LEVEL HVAC PLAN
M3.2	ATTIC LEVEL HVAC PLAN
M3.3	HVAC ROOF PLAN

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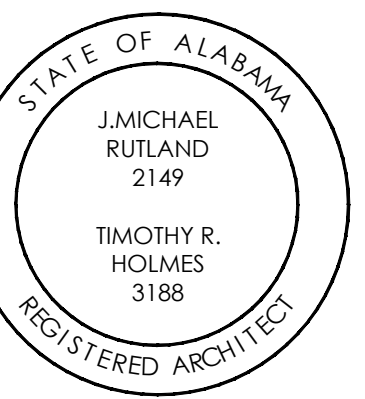
M1.1

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HVAC LEGEND, NOTES, AND SCHEDULES

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Professional seal for Randall Whorton, Registered Professional Engineer, State of Alabama, No. 14192.

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**HVAC
SCHEDULES**

Sheet Number

M1.2

DUCTLESS HEAT PUMP EQUIPMENT SCHEDULE (CEILING CASSETTE)																									
MARK NO.	NOMINAL FAN CFM	OSA CFM	COOLING CAPACITY					HEATING CAPACITY			MANUFACTURER (OR APPROVED EQUAL)	INDOOR UNIT DATA					OUTDOOR UNIT DATA					APPROXIMATE REFRIG. PIPING SIZE		NOTES	
			TOTAL CAP. MBH	SENS. CAP. MBH	COND. E.A.T.	EVAP. E.W.B. TEMP.	MIN. SEER	LOW TEMP 17° E.A.T. MBH	HIGH TEMP 47° E.A.T. MBH	MIN. HSPF		VOLTAGE	MODEL NO.	FAN MOTOR FLA	MCA (A)	UNIT WEIGHT (LBS.)	VOLTAGE	MODEL NO.	COMP. R.L.A. (A)	MCA (A)	MOC (A)	UNIT WEIGHT (LBS.)	GAS (N. O.D.)		LIQUID (N. O.D.)
DHP-1	335	50	12.0	8.88	95	80/67	22.0	8.9	13.0	11.4	mitsubishi	208/230-1-60	SLZ-KF12NA	0.24	0.3	31	208/230-1-60	SUZ-KA12NA2	6.6	9	16	81	3/8	1/4	SEE BELOW
<p>1 ALL UNITS TO INCLUDE A WALL MOUNTED 7-DAY PROGRAMMABLE AUTOMATIC CHANGEOVER THERMOSTAT WITH SUB-BASE AND LOCKING COVER. THERMOSTAT SHALL BE FACTORY MA REMOTE CONTROLLER MODEL PAR-40MAAU.</p> <p>2 INDOOR UNIT TO BE CEILING CASSETTE WITH INTERNAL FACTORY CONDENSATE PUMP.</p> <p>3 INDOOR UNIT TO RECEIVE POWER FROM OUTDOOR UNIT THROUGH FIELD-SUPPLIED INTERCONNECTED WIRING.</p> <p>4 CASSETTE UNIT SHALL BE 24"x24" TO MATCH STANDARD LAY-IN CEILING TILE GRID.</p> <p>5 CASSETTE UNIT FRAME SHALL NOT IMPEDE ACCESS TO ADJACENT ITEMS SUCH AS CEILING LIGHTS, ETC.</p> <p>6 REFRIGERANT R-410A.</p> <p>7 VERIFY FINAL REFRIGERANT PIPING SIZE AND LENGTH WITH MANUFACTURER.</p> <p>8 UNIT SHALL BE INTERFACED TO MITSUBISHI BUILDING MASTER CONTROLLER.</p> <p>9 UNIT TO INCLUDE BIOCLIMATIC (OR APPROVED EQUAL) BI-POLAR IONIZATION UNIT MOUNTED INSIDE CEILING CASSETTE UNIT PER MANUFACTURER'S RECOMMENDATION. IONIZATION UNIT SHALL BE POWERED FROM ASSOCIATED UNIT.</p> <p>10 UNIT TO INCLUDE CONDENSER HAIL GUARD.</p> <p>11 UNIT TO INCLUDE UV-C PROTECTION. EQUIPMENT SHALL BE FRESH-AIRE UV (OR APPROVED EQUAL).</p> <p>12 UNIT SHALL BE ASHRAE 90.1-2013 COMPLIANT.</p> <p>13 ADDITIONAL REFRIGERANT CHARGE IS NEEDED DEPENDING ON THE SIZE AND LENGTH OF EXTENDED PIPING. COORDINATE WITH EQUIPMENT MANUFACTURER.</p> <p>14 CONTRACTOR'S VENDOR SHALL PROVIDE REFRIGERANT LINE FINAL SIZES, LENGTHS, ETC. PER MANUFACTURER'S RECOMMENDATION. SUBMITTAL DRAWINGS SHALL INCLUDE CONTROLS, LINE SIZES, ETC. CONTRACTOR SHALL COORDINATE SIZES SHOWN ON PLANS WITH ACTUAL EQUIPMENT QUOTED PRIOR TO BIDDING.</p> <p>15 FURNISH AND INSTALL FACTORY PRE-INSULATED REFRIGERANT LINE SETS.</p> <p>16 EACH LINE SET SHALL INCLUDE FACTORY BALL VALVES FOR UNIT ISOLATION.</p> <p>17 REFRIGERANT PIPING SHALL BE LABELED TO MATCH ASSOCIATED INDOOR AND OUTDOOR UNIT.</p> <p>18 ALL EXPOSED INTERIOR REFRIGERANT PIPING SHALL BE ROUTED IN SCHEDULE 40 PVC, PRIME AND PAINT TO MATCH ADJACENT SURFACES. VERIFY PAINT COLOR WITH ARCHITECT.</p> <p>19 USE INSULATED REFRIGERANT PIPING CLAMPS WHERE REFRIGERANT PIPING IS INSULATED.</p> <p>20 UNIT TO INCLUDE FACTORY START-UP.</p> <p>21 SEE HVAC VARIABLE REFRIGERANT FLOW DIAGRAM ON SHEET M2.9 FOR ADDITIONAL INFORMATION.</p>																									
APPROVED EQUALS: FUJITSU, CARRIER TOSHIBA, AND TRANE																									

VRF INDOOR EQUIPMENT SCHEDULE (CEILING CASSETTE)														
MARK NO.	NOMINAL FAN CFM	OSA CFM	COOLING CAPACITY			HEATING CAPACITY		MODEL NO. DATA		ELECTRICAL			ASSOCIATED OUTDOOR UNIT	NOTES
			TOTAL CAPACITY (MBH)	CONDENSER E.A.T.	EVAPORATOR E.W.B. TEMP.	HIGH TEMP 47° E.A.T. (MBH)	MANUFACTURER (OR APPROVED EQUAL)	MODEL NO.	VOLTAGE	MCA (A)	MOC (A)	NET WEIGHT (LBS.)		
CS-1-1	280	-	5.0	95	80/67	5.6	mitsubishi	PLFY-P05	208/230-1-60	0.24	15	35	HRU-1	SEE BELOW
CS-1-2	335	-	12.0	95	80/67	13.5	mitsubishi	PLFY-P12	208/230-1-60	0.30	15	37	HRU-1	SEE BELOW
CS-1-3	315	-	8.0	95	80/67	9.0	mitsubishi	PLFY-P08	208/230-1-60	0.30	15	35	HRU-1	SEE BELOW
CS-1-4	315	-	8.0	95	80/67	9.0	mitsubishi	PLFY-P08	208/230-1-60	0.30	15	35	HRU-1	SEE BELOW
CS-1-5	315	-	8.0	95	80/67	9.0	mitsubishi	PLFY-P08	208/230-1-60	0.30	15	35	HRU-1	SEE BELOW
TOTAL			41.0			46.1								
<p>1 ALL UNITS TO INCLUDE INTERNAL FACTORY CONDENSATE PUMP.</p> <p>2 ALL UNITS TO INCLUDE WALL MOUNTED SMART ME CONTROLLER AND WALL MOUNTED REMOTE TEMPERATURE SENSOR.</p> <p>3 REFRIGERANT R-410A.</p> <p>4 ALL CASSETTE UNITS SHALL BE 24"x24" TO MATCH STANDARD LAY-IN CEILING TILE GRID.</p> <p>5 CASSETTE UNIT FRAME SHALL NOT IMPEDE ACCESS TO ADJACENT ITEMS SUCH AS CEILING LIGHTS, ETC.</p> <p>6 ALL UNITS TO INCLUDE BIOCLIMATIC (OR APPROVED EQUAL) BI-POLAR IONIZATION UNIT MOUNTED INSIDE CEILING CASSETTE PER MANUFACTURER'S RECOMMENDATION. IONIZATION UNIT SHALL BE POWERED FROM ASSOCIATED UNIT.</p> <p>7 UNIT TO INCLUDE UV-C PROTECTION. EQUIPMENT SHALL BE FRESH-AIRE UV (OR APPROVED EQUAL).</p> <p>8 OUTSIDE AIR IS SUPPLIED THROUGH OUTSIDE AIR UNIT DIRECTLY INTO SPACE.</p> <p>9 ALL UNITS TO INCLUDE FACTORY START-UP.</p>														
APPROVED EQUALS: FUJITSU, CARRIER TOSHIBA, AND TRANE														

VRF OUTDOOR EQUIPMENT SCHEDULE												
MARK NO.	MODEL NO. DATA		CAPACITY				ELECTRICAL			UNIT WEIGHT (LBS.)	NOTES	
	MANUFACTURER (OR APPROVED EQUAL)	MODEL NO.	AHRI EER	AHRI IEER	AHRI COP	COOLING MBH	HEATING MBH	VOLTAGE	MCA (A)			MOC (A)
HRU-1	MITSUBISHI	PURY-120	12.1	23.3	3.61	120	135	460-3-60	18	25	633	SEE BELOW
<p>1 R-410A REFRIGERANT, VARIABLE REFRIGERANT VOLUME, HEAT RECOVERY.</p> <p>2 UNIT TO INCLUDE CONDENSER HAIL GUARD.</p> <p>3 SYSTEM SHALL INCLUDE ONE BUILDING MASTER CONTROLLER (AE-200A). REFERENCE PLANS FOR LOCATION. BUILDING MASTER CONTROLLER SHALL BE TOUCHSCREEN AE-200A WITH INTEGRAL BACNET GATEWAY FOR INTEGRATION TO BUILDING AUTOMATION SYSTEM.</p> <p>4 SYSTEM SHALL INCLUDE ONE HVAC MAINTENANCE TOOL AND SOFTWARE ON PORTABLE DRIVE WHICH SHALL BE STORED IN CONTROL PANEL ENCLOSURE. CONTRACTOR SHALL DEMONSTRATE/TEST UNITS UTILIZING MAINTENANCE TOOL WITH ENGINEER.</p> <p>5 MITSUBISHI CONTROL DRAWINGS WITH M-NET ADDRESSES LABELED SHALL BE LAMINATED AND INSTALLED AT MITSUBISHI CONTROL PANEL. DRAWINGS SHALL INCLUDE M-NET ADDRESS, UNIT MARK NUMBER, REFRIGERANT LINE LENGTHS, AND REFRIGERANT CHARGE (R-410A).</p> <p>6 WITHIN THE BUILDING MASTER CONTROLLER, UNITS SHALL BE LABELED WITH UNIT MARK NUMBER TO MATCH PLANS AND ROOM NAME/ROOM NUMBER.</p> <p>7 CONTRACTOR SHALL COMPLETE THE STARTUP DOCUMENTATION AS PER THE MANUFACTURER'S INSTRUCTIONS TO CERTIFY THE SYSTEM FOR THE EXTENDED 10-YEAR PARTS AND 10-YEAR COMPRESSOR WARRANTIES.</p> <p>8 ALL UNITS SHALL BE INSTALLED ON DIVERSITECH QUICKSLIP NEXT GENERATION SUPER STAND VRF EQUIPMENT STAND (OR APPROVED EQUAL). EACH EQUIPMENT STAND FRAME SHALL BE SECURELY ANCHORED TO ROOF CURB IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION, WIND LOAD REQUIREMENTS, AND AS PER PLANS/SPECIFICATIONS.</p> <p>9 APPROXIMATE VRF OUTDOOR EQUIPMENT REFRIGERANT PIPING SIZE: • LIQUID PIPE (HIGH PRESSURE) 3/4" BRAZED AND GAS PIPE (LOW PRESSURE) 1-1/8" BRAZED.</p> <p>10 VERIFY FINAL REFRIGERANT PIPING SIZE AND LENGTH WITH MANUFACTURER</p> <p>11 UNIT SHALL BE ASHRAE 90.1-2013 COMPLIANT.</p> <p>12 UNIT TO INCLUDE FACTORY START-UP.</p>												
APPROVED EQUALS: FUJITSU, CARRIER TOSHIBA, AND TRANE												

VRF INDOOR EQUIPMENT SCHEDULE (WALL MOUNT)														
MARK NO.	NOMINAL FAN CFM	OSA CFM	COOLING CAPACITY			HEATING CAPACITY		MODEL NO. DATA		ELECTRICAL			ASSOCIATED OUTDOOR UNIT	NOTES
			TOTAL CAPACITY (MBH)	CONDENSER E.A.T.	EVAPORATOR E.W.B. TEMP.	HIGH TEMP 47° E.A.T. (MBH)	MANUFACTURER (OR APPROVED EQUAL)	MODEL NO.	VOLTAGE	MCA (A)	MOC (A)	NET WEIGHT (LBS.)		
WM-1-1	435	-	18.0	95	80/67	20.0	mitsubishi	PKFY-P18	208/230-1-60	0.20	15	29	HRU-1	SEE BELOW
WM-1-2	435	-	18.0	95	80/67	20.0	mitsubishi	PKFY-P18	208/230-1-60	0.20	15	29	HRU-1	SEE BELOW
TOTAL			36.0			40.0								
<p>1 ALL UNITS TO INCLUDE FACTORY CONDENSATE PUMP WITH LINE SET/CONDENSATE PUMP ENCLOSURE KIT. (CONDENSATE PUMP APPROVED EQUALS: LITTLE GIANI EG-1K AND ASPEN/AIRTEC MINI AND MAXI LINE)</p> <p>2 ALL UNITS TO INCLUDE WALL MOUNTED SMART ME CONTROLLER AND WALL MOUNTED REMOTE TEMPERATURE SENSOR.</p> <p>3 REFRIGERANT R-410A.</p> <p>4 ALL UNITS TO INCLUDE BIOCLIMATIC (OR APPROVED EQUAL) BI-POLAR IONIZATION UNIT MOUNTED INSIDE WALL MOUNT UNIT PER MANUFACTURER'S RECOMMENDATION. IONIZATION UNIT SHALL BE POWERED FROM ASSOCIATED UNIT.</p> <p>5 ALL UNITS TO INCLUDE FACTORY START-UP.</p>														
APPROVED EQUALS: FUJITSU, CARRIER TOSHIBA, AND TRANE														

VRF BRANCH CONTROLLER SCHEDULE										
MARK NO.	MANUFACTURER (OR APPROVED EQUAL)	MODEL NUMBER	BRANCHES	VOLTAGE	MCA (A)	MOC (A)	UNIT WEIGHT (LBS.)	ASSOCIATED OUTDOOR UNIT	NOTES	
BC-1	MITSUBISHI	CMB-P1012NU-JA1-BV	12	208/230-1-60	1.2/1.4	20	133	HRU-1	SEE BELOW	
<p>1 BRANCH CONTROLLER TO INCLUDE FACTORY CONDENSATE PUMP.</p> <p>2 FURNISH AND INSTALL FACTORY BALL VALVES ON ALL PORTS OF BRANCH CONTROLLER.</p> <p>3 LABEL PORTS OF BRANCH CONTROLLER WITH MARK NUMBER TO MATCH CONNECTED UNIT.</p> <p>4 BRANCH CONTROLLER TO INCLUDE FACTORY START-UP.</p>										
APPROVED EQUALS: FUJITSU, CARRIER TOSHIBA, AND TRANE										

VRF REFRIGERANT PIPING NOTES

- ADDITIONAL REFRIGERANT CHARGE IS NEEDED DEPENDING ON THE SIZE AND LENGTH OF EXTENDED PIPING. COORDINATE WITH EQUIPMENT MANUFACTURER.
- CONTRACTOR'S VENDOR SHALL PROVIDE REFRIGERANT LINE FINAL SIZES, LENGTHS, ETC. PER MANUFACTURER'S RECOMMENDATION. SUBMITTAL DRAWINGS SHALL INCLUDE CONTROLS, LINE SIZES, ETC. CONTRACTOR SHALL COORDINATE SIZES SHOWN ON PLANS WITH ACTUAL EQUIPMENT QUOTED PRIOR TO BIDDING.
- FURNISH AND INSTALL FACTORY PRE-INSULATED REFRIGERANT LINE SETS.
- FURNISH AND INSTALL FACTORY BALL VALVES ON ALL PORTS OF BRANCH CONTROLLER (BC-1).
- REFRIGERANT PIPING SHALL BE LABELED TO MATCH ASSOCIATED INDOOR AND OUTDOOR UNIT.
- ALL EXPOSED INTERIOR REFRIGERANT PIPING SHALL BE ROUTED IN SCHEDULE 40 PVC, PRIME AND PAINT TO MATCH ADJACENT SURFACES. VERIFY PAINT COLOR WITH ARCHITECT.
- USE INSULATED REFRIGERANT PIPING CLAMPS WHERE REFRIGERANT PIPING IS INSULATED.
- EACH LINE SET SHALL INCLUDE FACTORY BALL VALVES FOR UNIT ISOLATION (DAC-1 AND DHP-1).

SEE HVAC VARIABLE REFRIGERANT FLOW DIAGRAM ON SHEET M2.9 FOR ADDITIONAL INFORMATION.

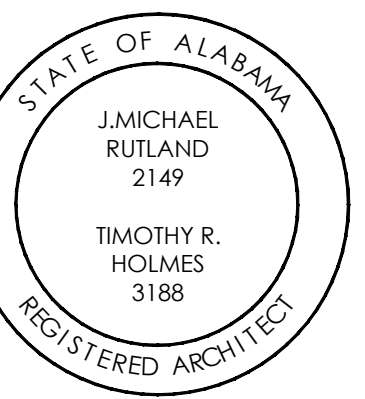
VRF INDOOR EQUIPMENT SCHEDULE (100% OUTSIDE AIR UNIT)														
MARK NO.	NOMINAL FAN CFM	OSA CFM	COOLING CAPACITY			HEATING CAPACITY		MODEL NO. DATA		ELECTRICAL			ASSOCIATED OUTDOOR UNIT	NOTES
			TOTAL CAPACITY (MBH)	CONDENSER E.A.T.	EVAPORATOR E.W.B. TEMP.	HIGH TEMP 47° E.A.T. (MBH)	MANUFACTURER (OR APPROVED EQUAL)	MODEL NO.	VOLTAGE	MCA (A)	MOC (A)	NET WEIGHT (LBS.)		
OSA-1-1	350	350	36.0	95	80/67	21.0	mitsubishi	PEFY-P36	208/230-1-60	3.3/3.0	15	109	HRU-1	SEE BELOW
<p>1 UNIT TO INCLUDE A WALL MOUNTED 7-DAY PROGRAMMABLE AUTOMATIC CHANGEOVER THERMOSTAT WITH SUB-BASE AND LOCKING COVER. THERMOSTAT SHALL BE FACTORY MA REMOTE CONTROLLER MODEL PAR-30MAOA.</p> <p>2 UNIT TO INCLUDE INTERNAL FACTORY CONDENSATE PUMP.</p> <p>3 REFRIGERANT R-410A.</p> <p>4 EXTERNAL STATIC SHALL BE 1.0 IN. WG.</p> <p>5 UNIT TO INCLUDE BIOCLIMATIC (OR APPROVED EQUAL) BI-POLAR IONIZATION UNIT MOUNTED AT THE FAN INLET PER MANUFACTURER'S RECOMMENDATION. IONIZATION UNIT SHALL BE POWERED FROM ASSOCIATED UNIT.</p> <p>6 UNIT TO INCLUDE UV-C PROTECTION. EQUIPMENT SHALL BE FRESH-AIRE UV AIRBORNE DUCT SYSTEM MODEL TUV-C-ADS (OR APPROVED EQUAL).</p> <p>7 UNIT TO INCLUDE FACTORY RELAY KIT AND FILTER BOX WITH 2" MERV 13 FILTERS.</p> <p>8 UNIT TO INCLUDE FACTORY START-UP.</p>														
APPROVED EQUALS: FUJITSU, CARRIER TOSHIBA, AND TRANE														

HVAC SCHEDULES

WHORTON ENGINEERING, INC.
HVAC - PLUMBING - PROCESS CONTROL

Randee Whorton
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DATE: 06-03-2024
25 SUMMERBALL GATE ROAD
ANNISTON, ALABAMA 36905



CHOCTAW
COUNTY JAIL
BUTLER,
ALABAMA

DUCTLESS AIR CONDITIONING EQUIPMENT SCHEDULE (WALL MOUNT)

MARK NO.	NOMINAL FAN CFM	COOLING CAPACITY					MANUFACTURER (OR APPROVED EQUAL)	INDOOR UNIT DATA					OUTDOOR UNIT DATA					APPROXIMATE REFRIG. PIPING SIZE		NOTES	
		TOTAL CAP. MBH	SENS. CAP. MBH	COND. E.A.T.	EVAP. E.W.B. TEMP.	MIN. SEER2		VOLTAGE	MODEL NO.	FAN MOTOR FLA	MCA (A)	UNIT WEIGHT (LBS.)	VOLTAGE	MODEL NO.	COMP. R.L.A. (A)	MCA (A)	MOCF (A)	UNIT WEIGHT (LBS.)	GAS (N. O.D.)		LIQUID (N. O.D.)
DA1	450	18.0	13.14	95	80/67	20.2	mitsubishi	208/230-1-60	PKA-A18LA1	0.19	1	28	208/230-1-60	PUY-A18NKA7	7	11	28	99	1/2	1/4	SEE BELOW
<p>① UNIT TO INCLUDE A WALL MOUNTED 7-DAY PROGRAMMABLE AUTOMATIC CHANGEOVER THERMOSTAT WITH SUB-BASE AND LOCKING COVER. THERMOSTAT SHALL BE FACTORY MA REMOTE CONTROLLER MODEL PAR-40MAU.</p> <p>② INDOOR UNIT TO BE WALL MOUNTED WITH FACTORY CONDENSATE PUMP AND SHALL INCLUDE LINE SET/CONDENSATE PUMP ENCLOSURE KIT (CONDENSATE PUMP APPROVED EQUALS: LITTLE GIAN EC-1K AND ASPEN/AIRTEC MINI AND MAXI LINE).</p> <p>③ INDOOR UNIT TO RECEIVE POWER FROM OUTDOOR UNITS THROUGH FIELD-SUPPLIED INTERCONNECTED WIRING.</p> <p>④ UNIT TO INCLUDE LOW AMBIENT CONTROLS TO OFF.</p> <p>⑤ VERIFY FINAL REFRIGERANT PIPING SIZE AND LENGTH WITH MANUFACTURER (REFRIGERANT R-410A).</p> <p>⑥ UNIT TO INCLUDE CONDENSER HAIL GUARD.</p> <p>⑦ UNIT SHALL BE INTERFACED TO MITSUBISHI BUILDING MASTER CONTROLLER.</p> <p>⑧ UNIT SHALL BE ASHRAE 90.1-2013 COMPLIANT.</p> <p>⑨ ADDITIONAL REFRIGERANT CHARGE IS NEEDED DEPENDING ON THE SIZE AND LENGTH OF EXTENDED PIPING. COORDINATE WITH EQUIPMENT MANUFACTURER.</p> <p>⑩ CONTRACTOR'S VENDOR SHALL PROVIDE REFRIGERANT LINE FINAL SIZES, LENGTHS, ETC. PER MANUFACTURER'S RECOMMENDATION. SUBMITTAL DRAWINGS SHALL INCLUDE CONTROLS, LINE SIZES, ETC. CONTRACTOR SHALL COORDINATE SIZES SHOWN ON PLANS WITH ACTUAL EQUIPMENT QUOTED PRIOR TO BIDDING.</p> <p>⑪ FURNISH AND INSTALL FACTORY PRE-INSULATED REFRIGERANT LINE SETS.</p> <p>⑫ EACH LINE SET SHALL INCLUDE FACTORY BALL VALVES FOR UNIT ISOLATION.</p> <p>⑬ REFRIGERANT PIPING SHALL BE LABELED TO MATCH ASSOCIATED INDOOR AND OUTDOOR UNIT.</p> <p>⑭ ALL EXPOSED INTERIOR REFRIGERANT PIPING SHALL BE ROUTED IN SCHEDULE 40 PVC. PRIME AND PAINT TO MATCH ADJACENT SURFACES. VERIFY PAINT COLOR WITH ARCHITECT.</p> <p>⑮ USE INSULATED REFRIGERANT PIPING CLAMPS WHERE REFRIGERANT PIPING IS INSULATED.</p> <p>⑯ UNIT TO INCLUDE FACTORY START-UP.</p> <p>⑰ SEE HVAC VARIABLE REFRIGERANT FLOW DIAGRAM ON SHEET M2.9 FOR ADDITIONAL INFORMATION.</p>																					
APPROVED EQUALS: FUJITSU, CARRIER TOSHIBA, AND TRANE																					

GAS PACKAGED UNIT EQUIPMENT SCHEDULE (RTU-1 / RTU-4)

MARK NO.	NOMINAL FAN CFM	OSA CFM	EXT. STATIC (IN. W.G.)	COOLING CAPACITY					HEATING CAPACITY		MODEL NO. DATA		NOTES	
				TOTAL CAPACITY MBH	SENS. CAPACITY MBH	CONDENSER E.A.T.	EVAPORATOR E.W.B. TEMP.	MIN. SEER/EER	MIN. ISEER	NATURAL GAS INPUT (MBH)	NATURAL GAS OUTPUT (MBH)	MANUFACTURER (OR APPROVED EQUAL)		UNIT MODEL NO.
RTU-1	2,000	406	0.8"	63.5	47.3	95	80/67	SEER 14.2	N/A	80	64	TRANE	YHC060	SEE BELOW
RTU-4	4,000	1,145	0.8"	117.0	89.6	95	80/67	EER 12.4	14.7	200/140	160/112	TRANE	YHC120	SEE BELOW
TOTAL		1,551		180.5										
<p>① UNIT TO INCLUDE 7-DAY PROGRAMMABLE AUTOMATIC CHANGEOVER THERMOSTAT AND HUMIDISTAT WITH SUB-BASE AND LOCKING COVER.</p> <p>② UNIT TO INCLUDE FACTORY ROOF CURB WITH THRU THE CURB ELECTRICAL CONNECTION. COORDINATE ALL ROOF CURBS WITH THE ROOFING CONTRACTOR.</p> <p>③ UNIT TO INCLUDE FACTORY BAROMETRIC RELIEF AND HINGED ACCESS DOORS.</p> <p>④ UNIT TO INCLUDE CONDENSER HAIL GUARD AND FILTER RACK.</p> <p>⑤ REFRIGERANT R-410A.</p> <p>⑥ UNIT TO INCLUDE FACTORY MODULATING MOTORIZED OUTSIDE AIR DAMPER INTERLOCKED WITH ROOM LIGHTING.</p> <p>⑦ COORDINATE UNIT ARRANGEMENT WITH PLANS.</p> <p>⑧ UNIT TO INCLUDE FACTORY HOT GAS REHEAT FOR DEHUMIDIFICATION CONTROL.</p> <p>⑨ UNIT TO INCLUDE BIOCLIMATIC (OR APPROVED EQUAL) BI-POLAR IONIZATION UNIT (NEEDLEPOINT) MOUNTED IN UNIT RETURN DUCT PER MANUFACTURER'S RECOMMENDATION. IONIZATION UNIT SHALL BE POWERED FROM ASSOCIATED GAS PACKAGED UNIT.</p> <p>⑩ UNIT TO INCLUDE ALL NECESSARY SENSORS, AND DAMPER ACTUATORS TO PROVIDE ULTRA LOW LEAKAGE ECONOMIZER FUNCTION WITH COMPARATIVE ENTHALPY CONTROL.</p> <p>⑪ UNIT TO INCLUDE LOW AMBIENT CONTROLS TO OFF.</p> <p>⑫ UNIT TO INCLUDE FACTORY RETURN AIR SMOKE DETECTOR.</p> <p>⑬ UNIT RTU-4 TO INCLUDE 2 SPEED INDOOR MOTOR.</p> <p>⑭ UNIT TO INCLUDE UV-C PROTECTION. EQUIPMENT SHALL BE FRESH-AIR UV AIRBORNE DUCT SYSTEM MODEL TUV-C-ADS (OR APPROVED EQUAL).</p> <p>⑮ ALL UNITS SHALL BE ASHRAE 90.1-2013 COMPLIANT.</p> <p>⑯ ALL UNITS SHALL INCLUDE DUCT MOUNTED SENSOR (TEMP/HUMIDITY) MOUNTED IN UNIT RETURN. REMOTE THERMOSTAT WITH SETPOINTS, ADJUSTMENTS, ETC. SHALL BE LOCATED IN CENTRAL CONTROL - 156. UNIT THERMOSTAT SHALL BE 7-DAY PROGRAMMABLE AUTOMATIC CHANGEOVER THERMOSTAT.</p> <p>⑰ UNIT RTU-1 THERMOSTAT SHALL BE IN SECURE LOCKING BOX IN KITCHEN (SEE PLANS FOR ADDITIONAL INFORMATION).</p>														
APPROVED EQUALS: AMERICAN STANDARD, BRYANT, CARRIER, LENNOX, AND RHEEM														

GAS PACKAGED UNIT ELECTRICAL SCHEDULE (RTU-1 / RTU-4)

MARK NO.	VOLTAGE	COMPRESSOR QTY	COMPRESSOR F.L.A. (EACH)	OUTDOOR FAN QTY	OUTDOOR FAN F.L.A. (EACH)	INDOOR FAN MOTOR H.P.	MINIMUM CIRCUIT AMPS	MAXIMUM OVERCURRENT PROTECTION	SINGLE POINT CONNECTION	UNIT WEIGHT LBS	NOTES
RTU-1	460-3-60	1	7.1	1	1.0	1.0	14	20	YES	1,225	-
RTU-4	460-3-60	2	(1.2) 8.2,6.0	1	1.5	2.75	22	25	YES	1,790	-

WALL MOUNTED DEHUMIDIFIER EQUIPMENT SCHEDULE

MARK NO.	NOMINAL FAN CFM	REFRIGERANT	IN WALL BASE UNIT DIMENSIONS (L x W x D)	WATER REMOVAL		OPERATING RANGE	ELECTRICAL		MODEL NO. DATA		UNIT WEIGHT (LBS.)	NOTES
				80°F 60% RH	CONDENSATE PUMP		POWER SUPPLY	AMP DRAW (F.L.A.)	MANUFACTURER (OR APPROVED EQUAL)	UNIT MODEL NO.		
WDH-1	120	R-32	27.625" X 14.25" X 5.75"	33 PINTS/DAY	46"-95°F	120-1-60	2.8	INNOVATE DEHUMIDIFIER	IW-25-5	39	SEE BELOW	
<p>① UNIT TO INCLUDE FACTORY INTEGRATED CONDENSATE PUMP.</p> <p>② UNIT TO INCLUDE FACTORY MERV-8 FILTER.</p> <p>③ UNIT TO BE CONTROLLED BY FACTORY INTEGRAL DEHUMIDISTAT.</p> <p>④ UNIT TO INCLUDE EXTERIOR SLEEVE.</p> <p>⑤ UNIT TO BE IN WALL MOUNTED DEHUMIDIFIER.</p> <p>⑥ COORDINATE FINAL LOCATION WITH ARCHITECT/ENGINEER PRIOR TO INSTALLATION.</p>												
APPROVED EQUALS: RUSKIN AND UNITED ENERTECH.												

LOUVER SCHEDULE

MARK NO.	MOUNTING	SIZE W X H	BLADE ANGLE	BLADE CENTERS	MIN. FREE AREA	MINIMUM FREE AREA SQ. FT.	MAXIMUM PRESSURE DROP IN W.G.	CFM	MODEL NO. DATA		NOTES
									MANUFACTURER (OR APPROVED EQUAL)	MODEL NO.	
L-1	SIDE WALL	16"x8"	45°	3"	23%	0.20	0.10	75	GREENHECK	ESD-202	SEE BELOW
L-2	SIDE WALL	16"x8"	45°	3"	23%	0.20	0.10	75	GREENHECK	ESD-202	SEE BELOW
<p>① LOUVER TO INCLUDE FLANGE FRAME AND KYNAR FINISH. VERIFY FINAL COLOR AND FINISH WITH ARCHITECT. VERIFY QUANTITY WITH PLANS.</p>											
APPROVED EQUALS: RUSKIN AND UNITED ENERTECH.											

GAS INFRARED HEATER SCHEDULE

MARK NO.	VOLTAGE	MOUNTING	MOUNTING HEIGHT	GAS INPUT MBH	MANUFACTURER (OR APPROVED EQUAL)	MODEL NO.	NOTES
GIR-1	120-1-60 3 AMPS MAX	CEILING	TILT 30° 14"-0"	50	RE-VERBER-RAY	DR-50-NFS-2	SEE BELOW
GIR-2	120-1-60 3 AMPS MAX	CEILING	TILT 30° 14"-0"	50	RE-VERBER-RAY	DR-50-NFS-2	SEE BELOW
<p>① MECHANICAL CONTRACTOR TO FURNISH AND INSTALL ALL INFRARED HEATERS. ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL ELECTRICAL POWER, 120 VAC COILS, AND ALL ASSOCIATED CONDUIT, WIRE, ETC. MECHANICAL CONTRACTOR TO VERIFY ALL FINAL CONNECTIONS PRIOR TO INITIAL START-UP. DIRECT SPARK IGNITION.</p> <p>② VERIFY FINAL MOUNTING HEIGHT AND LOCATION WITH ARCHITECT. MOUNTING SHALL BE ABLE TO ADJUST MOUNTING ANGLE OF HEATER. INITIAL MOUNTING ANGLE SHALL BE 30 DEGREES.</p> <p>③ HEATERS SHALL INCLUDE BLACK BULB SENSOR THERMOSTAT.</p>							
<p>THE CONTRACTOR/SUPPLIER SHALL FURNISH AND/OR INSTALL/DELIVER GAS INFRA-RED SPACE HEATERS AS SHOWN ON THE DRAWING(S) AS DESCRIBED BELOW:</p> <p>HEATERS SHALL BE RE-VERBER-RAY MODEL(S) AS SCHEDULED AND AS MANUFACTURED BY DETROIT RADIANT PRODUCTS COMPANY - WARREN, MICHIGAN. HEATERS SHALL BE EQUIPPED WITH A 120 VAC, 60 HZ. O. MANUAL IGNITION/SPARK PILOT IGNITION/GLD-COIL IGNITION/DIRECT SPARK IGNITION/MILLIVOLT CONTROL SYSTEM. HEATERS SHALL BE DESIGN CERTIFIED BY A.S.A., AND COMPLY WITH CURRENT OSHA REQUIREMENTS, ACCEPTED BY FIA/FM AND BE LISTED BY UL.</p> <p>THE HEATER'S COMBUSTION SURFACE SHALL BE MADE OF PERFORATED CERAMIC REFRACTORY. SHALL BE CAPABLE OF OPERATING CONTINUOUSLY AT 1810°F AND SHALL WITHSTAND THERMAL SHOCK WHEN WATER QUENCHED.</p> <p>THE MANUFACTURER SHALL WARRANT THE HEATER'S INFRA-RED ELEMENT ASSEMBLY FOR A PERIOD OF TEN (10) YEARS. THE SECONDARY RADIATING SURFACE (RODS OR SCREENS) SHALL BE WARRANTED FOR TEN (10) YEARS AGAINST DETERIORATION AND FAILURE, AND THE MANUFACTURER SHALL WARRANT ITS ORIGINAL POSITION FROM THE CERAMIC BY PROVIDING A TEN (10) YEAR WARRANTY ON THE (ROD OR SCREEN) RETAINING DEVICE.</p> <p>HEATERS SHALL OPERATE SATISFACTORILY ON NATURAL GAS AT AN INLET PRESSURE OF 7 INCHES W.C.</p> <p>THE CONTRACTOR SHALL MAINTAIN CLEARANCES TO AUTOMOBILES AND COMBUSTIBLES AS RECOMMENDED BY THE MANUFACTURER.</p>							

INTAKE VENT SCHEDULE

MARK NO.	CFM	THROAT AREA S.F.	P.D.	MATERIAL	MANUFACTURER (OR APPROVED EQUAL)	MODEL NO.	NOTES
IV-1	50	0.394	0.05	SPUN ALUMINUM	LOREN COOK	PR-8	SEE BELOW
IV-2	350	0.852	0.05	SPUN ALUMINUM	LOREN COOK	PR-12	SEE BELOW
<p>① ALL INTAKE VENTS TO INCLUDE FACTORY ROOF CURB. COORDINATE ALL ROOF CURBS WITH THE ROOFING CONTRACTOR.</p> <p>② ALL INTAKE VENTS TO INCLUDE FACTORY MOTORIZED DAMPER, MANUAL DAMPER, AND BIRDSCREEN.</p> <p>③ INTAKE VENT IV-2: PRIME AND PAINT ROOF CURB AND INTAKE VENT TO MATCH ROOF (VERIFY COLOR WITH ARCHITECT).</p>							
APPROVED EQUALS: CARNES, GREENHECK, AND PENN							

RELIEF VENT SCHEDULE

MARK NO.	CFM	THROAT AREA S.F.	P.D.	MATERIAL	MANUFACTURER (OR APPROVED EQUAL)	MODEL NO.	NOTES
RV-1	150	0.394	0.05	SPUN ALUMINUM	LOREN COOK	PR-8	SEE BELOW
RV-2	1,145	2.292	0.05	SPUN ALUMINUM	LOREN COOK	PR-20	SEE BELOW
<p>① RELIEF VENT TO INCLUDE FACTORY ROOF CURB. COORDINATE ALL ROOF CURBS WITH THE ROOFING CONTRACTOR. PRIME AND PAINT ROOF CURB AND RELIEF VENT TO MATCH ROOF (VERIFY COLOR WITH ARCHITECT).</p> <p>② RELIEF VENT TO INCLUDE FACTORY BACKDRAFT DAMPER AND BIRDSCREEN.</p>							
APPROVED EQUALS: CARNES, GREENHECK, AND PENN							

HVAC SCHEDULES

WHORTON ENGINEERING, INC.

HVAC - PLUMBING - PROCESS CONTROL

Randall Whorton
RANDALL WHORTON, P.E.

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DATE: 06-03-2024
25 SUMMERBALL GATE ROAD
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WHORTON ENGINEERING PROJECT NO. 23198

CONSTRUCTION DOCUMENTS

Project Number: 22-1189

Date: 30 MAY 2024

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Sheet Description

HVAC
SCHEDULES

Sheet Number

M1.3

KITCHEN HOOD (KH-1)										
HOOD NO.	GREENHECK MODEL STYLE / CONFIGURATION	HOOD DIMENSIONS			GREASE CUP OR DRAIN	COOKING LOAD / DUTY RATING	TOTAL WEIGHT (LBS)	SECTION LOCATION		
		LENGTH	WIDTH	HEIGHT						
1	GHEW-144-S WALL CANOPY	144 IN.	60 IN.	24 IN.	YES	HEAVY	531	SINGLE		

HOOD NO.	ILLUMINATION DETAILS			GREASE FILTRATION DETAILS					
	FIXTURE TYPE BULB / LAMP INFO	QUANTITY	INTENSITY FT CANDLES	TYPE / MODEL MATERIAL	QUANTITY	LENGTH	HEIGHT		
1	INCANDESCENT (GLOBE) 100W A19 (BULBS NOT INCL.)	6	49.51	BAFFLE STAINLESS STEEL	4	16 INCHES	20 INCHES		

HOOD SECTION # COLLAR #	EXHAUST PLENUM COLLARS						
	DISTANCE TO CENTER (IN.)	WIDTH (IN.)	LENGTH (IN.)	DIAMETER (IN.)	VOLUME (CFM)	S.P. (IN. WC)	TOTAL CFM
1 / 1	N/A	9	26	N/A	2,700	0.462	2,700

HOOD SECTION # PLENUM LOCATION	EXTERNAL SUPPLY PLENUM COLLARS						
	QUANTITY	WIDTH (IN.)	LENGTH (IN.)	DIAMETER (IN.)	VOLUME (CFM)	S.P. (IN. WC)	VELOCITY (FT/MIN)
1 / FRONT	2	12	26	N/A	1,147 (574 EACH)	0.06	265
2 / FRONT	2	12	26	N/A	1,147 (574 EACH)	0.06	265

OPTIONS AND ACCESSORIES FOR KH-1

- 430 18 GAUGE STAINLESS STEEL WHERE EXPOSED.
- UL 710 LISTED WITH OUT EXHAUST FIRE DAMPER - UL #MH11726.
- HOOD TOP INSULATED FOR ZERO CLEARANCE TO COMBUSTIBLES.
- CEILING ENCLOSURES - FRONT, LEFT, RIGHT - FIELD INSTALLED (VERIFY HEIGHT REQUIRED WITH ARCHITECTURAL REFLECTED CEILING PLANS, ENCLOSURE SHALL CONCEAL DUCTWORK AND EXTEND MINIMUM 3" ABOVE CEILING).
- FACTORY MOUNTED EXHAUST COLLAR(S).
- FILTER REMOVAL TOOL INCLUDED - QUANTITY 1.
- INCLUDES PERFORMANCE ENHANCING LIP (PEL) TECHNOLOGY.
- STANDING SEAM CONSTRUCTION FOR SUPERIOR STRENGTH.
- EMBOSSED STAINLESS STEEL FINISH FOR HIGH CORROSION RESISTANCE.
- HOOD SHALL INCLUDE FACTORY MOUNTED HEAT/TEMPERATURE SENSOR TO AUTOMATICALLY START KITCHEN HOOD FANS.
- HOOD SHALL INCLUDE HOOD MOUNTED LIGHTED TOGGLE SWITCHES FOR LIGHTS AND FANS.
- KFCC-1 PANEL SHALL INCLUDE FACTORY STAINLESS STEEL FACEPLATE FOR FLUSH MOUNTING AND A JUNCTION BOX.
- KFCC-1 PANEL REQUIRES 120-1-60.
- HOOD SHALL INCLUDE ANSUL FIRE PROTECTION SYSTEM WITH CONTROLS, PULL STATION, ETC. IN ACCORDANCE WITH NFPA, STATE, AND LOCAL CODES.
- HOOD SUPPLY PLENUM SHALL BE FACTORY INSULATED.
- HOOD SHALL INCLUDE MANUAL PULL STATION FOR KITCHEN EXHAUST HOOD FIRE EXTINGUISHING SYSTEM. REFERENCE PLANS FOR LOCATION. MANUAL PULL STATION SHALL BE MOUNTED 48" TO HIGHEST OPERABLE CONTROL POINT. LABEL PULL STATION TO CLEARLY IDENTIFY HAZARD PROTECTED. ENTIRE INSTALLATION SHALL COMPLY WITH 2015 IFC 904.11.1.
- CONTINUOUS CAPTURE.
- FINISHED BACK - FULL LENGTH.
- HOOD SHALL INCLUDE TRIMSTRIPS (78").
- BACK INTEGRAL AIR SPACE - 3 INCHES WIDE.

APPROVED EQUALS: ACCUREX, CAPTIVE AIRE, AND LARKIN.

ELECTRICAL CONTROL BOX (KFCC-1)

DESCRIPTION / GREENHECK MODEL MOUNTING LOCATION (CONTROL PANEL / SWITCHES)	EXHAUST FAN QUANTITY/MARK NO.	SUPPLY FAN QUANTITY/MARK NO.	POWER FREQUENCY
KITCHEN FAN CONTROL CENTER (KFCC) FOR KH-1 / GNC-DV-S-11-1-0 UTILITY CABINET ON HOOD / (CABINET - RIGHT END OF HOOD)	1 / KEF-1	1 / KSF-1	60 CYCLE

- CONTROL PANEL ENCLOSURE - 16 GA 300 SERIES STAINLESS STEEL ENCLOSURE (NEMA-1) - FACTORY MOUNTED - CABINET RIGHT END OF HOOD.
- 2 POSITION LIGHT SWITCH (QUANTITY 1) AND 2 POSITION FAN SWITCH (QUANTITY 1).
- INTEGRATED EXHAUST TEMPERATURE INTERLOCK SYSTEM.
- FACTORY MOUNTED EXHAUST TEMPERATURE SENSORS (QUANTITY 1).
- COMPLIES WITH INTERNATIONAL MECHANICAL CODE.
- TURN ON EXHAUST (MAXIMUM) IN FIRE.
- POWER FOR SHUNT TRIP.
- THERMAL OVERLOADS IN CABINET.
- SWITCHES SHALL BE MOUNTED ON HOOD - FACE MOUNT RIGHT END OF KH-1 SECTION 1
- LIGHTS OFF DURING FIRE, HOOD LIGHTS CONTROL, TEMP. SENSORS, DRY FIRE CONTACTS, SUPPLY OFF DURING FIRE, HIGH TEMPERATURE ALARM, FAN PROVING - EXHAUST AND SUPPLY, AND GAS RESET.

APPROVED EQUALS: ACCUREX, CAPTIVE AIRE, AND LARKIN.

KITCHEN AIR BALANCE SCHEDULE

EXHAUST AIR			OUTSIDE AIR		
UNIT	OSA CFM	EXHAUST CFM	UNIT	OSA CFM	EXHAUST CFM
KEF-1	0	2,700	KSF-1	2,294	0
KEF-2	0	800	RTU-1	406	0
			RTU-4	970	0
TOTAL		3,500	TOTAL	3,670	

NET EXFILTRATION = 170 CFM

KITCHEN HOOD (KH-2)

HOOD NO.	GREENHECK MODEL STYLE / CONFIGURATION	HOOD DIMENSIONS			GREASE CUP OR DRAIN	HOOD TEMP RATING	TOTAL WEIGHT (LBS)	SECTION LOCATION		
		LENGTH	WIDTH	HEIGHT						
2	GD1-42-S WALL CANOPY	42 IN.	42 IN.	24 IN.	N/A	N/A	112	SINGLE		

HOOD NO.	ILLUMINATION DETAILS			GREASE FILTRATION DETAILS					
	FIXTURE TYPE BULB / LAMP INFO	QUANTITY	INTENSITY FT CANDLES	TYPE / MODEL MATERIAL	QUANTITY	LENGTH	HEIGHT		
2	INCANDESCENT (GLOBE) 100W A19 (BULBS NOT INCL.)	1	36.02	BAFFLE STAINLESS STEEL	N/A	N/A	N/A		

HOOD SECTION # COLLAR #	EXHAUST PLENUM COLLARS						
	DISTANCE TO CENTER (IN.)	WIDTH (IN.)	LENGTH (IN.)	DIAMETER (IN.)	VOLUME (CFM)	S.P. (IN. WC)	VELOCITY (FT/MIN)
1 / 1	N/A	12	19	N/A	800	0.031	N/A

OPTIONS AND ACCESSORIES FOR KH-2

- 430 18 GAUGE STAINLESS STEEL WHERE EXPOSED.
- CEILING ENCLOSURES - FRONT, LEFT, RIGHT - FIELD INSTALLED (VERIFY HEIGHT REQUIRED WITH ARCHITECTURAL REFLECTED CEILING PLANS, ENCLOSURE SHALL CONCEAL DUCTWORK AND EXTEND MINIMUM 3" ABOVE CEILING).
- FACTORY MOUNTED EXHAUST COLLAR(S).
- HOOD SHALL INCLUDE FACTORY MOUNTED HEAT/TEMPERATURE SENSOR TO AUTOMATICALLY START KITCHEN HOOD FANS.
- HOOD SHALL INCLUDE HOOD MOUNTED LIGHTED TOGGLE SWITCHES FOR LIGHTS AND FANS.
- KFCC PANEL SHALL INCLUDE FACTORY STAINLESS STEEL FACEPLATE FOR FLUSH MOUNTING AND A JUNCTION BOX.
- KFCC PANEL REQUIRES 120-1-60.

APPROVED EQUALS: ACCUREX, CAPTIVE AIRE, AND LARKIN.

ELECTRICAL CONTROL BOX (KFCC-2)

DESCRIPTION / GREENHECK MODEL MOUNTING LOCATION (CONTROL PANEL / SWITCHES)	EXHAUST FAN QUANTITY	SUPPLY FAN QUANTITY	POWER FREQUENCY
KITCHEN FAN CONTROL CENTER (KFCC) FOR KH-2 / KFCC-2 UTILITY CABINET ON HOOD / (FACE MOUNT RIGHT END OF HOOD)	1	0	60 CYCLE

- CONTROL PANEL ENCLOSURE - 16 GA 300 SERIES STAINLESS STEEL ENCLOSURE (NEMA-1) - DIMENSIONS 12"W X 20"H X 6"D. FACTORY MOUNTED - CABINET RIGHT END OF HOOD.
- STARTERS PROVIDED IN CONTROL PANEL - QUANTITY 1.
- 2 POSITION LIGHT SWITCH - QUANTITY 1.
- 2 POSITION FAN SWITCH - QUANTITY 1.
- INTEGRATED EXHAUST TEMPERATURE INTERLOCK SYSTEM.
- FACTORY MOUNTED EXHAUST TEMPERATURE SENSORS - QUANTITY 1.
- COMPLIES WITH INTERNATIONAL MECHANICAL CODE.
- TURN ON EXHAUST IN FIRE.
- POWER FOR SHUNT TRIP.
- THERMAL OVERLOADS IN CABINET.
- SWITCHES SHALL BE MOUNTED ON HOOD - FACE MOUNT RIGHT END OF KH-2

APPROVED EQUALS: ACCUREX, CAPTIVE AIRE, AND LARKIN.

KITCHEN HOOD DUCTWORK NOTES

- SLOPE HORIZONTAL SECTIONS OF KITCHEN HOOD EXHAUST DUCT A MINIMUM OF 1/4 PER FOOT AS REQUIRED BY 2015 IMC.
- INSTALL CLEANOUTS IN GREASE DUCT TO ALLOW FOR SERVICING/CLEANING.
- GREASE DUCT SHALL BE WELDED STAINLESS STEEL.
- LIGHT TEST SHALL BE PERFORMED AS PER 2015 IMC 506.3.2.5

ANSUL SYSTEM TESTING NOTES

- CONTRACTOR MUST SUPPLY ALTERNATE HEAT SOURCE TO TEST KITCHEN HOOD/ANSUL SYSTEM. TESTING SHALL INCLUDE TEMP-FAN INTERLOCK, SUPPLY FAN SHUT-OFF, GAS SOLENOID SHUT-OFF, ELECTRICAL SHUNT-TRIP, EXHAUST FAN, ETC. TESTING SHALL OCCUR PRIOR TO KITCHEN COOKING EQUIPMENT ARRIVAL.

KITCHEN HOOD NOTES (KH-1 / KH-2)

* VERIFY FINAL HANGING HEIGHT WITH ARCHITECT/ENGINEER PRIOR TO INSTALLATION.

HOOD HANGING HEIGHT FOR FIRE SYSTEMS

VERIFICATION OF HOOD HANGING HEIGHT ABOVE FINISHED FLOOR (A.F.F.) IS REQUIRED FOR CORRECT PLACEMENT OF FIRE SYSTEM NOZZLES.

* RECOMMENDED HANGING HEIGHT = 80" FROM FINISHED FLOOR TO LOWER FRONT EDGE OF HOOD.

KITCHEN FAN SCHEDULE

MARK NO.	SERVICE	MOUNTING	CFM	STATIC IN. W.G.	H.P./VOLTAGE	MANUFACTURER (OR APPROVED EQUAL)	MANUFACTURER MODEL NO.	UNIT WEIGHT (LBS.)	NOTES
REF 1	EXHAUST	ROOF	2,700	1.5	2 H.P. 208-1-60	GREENHECK	CUE-180-VG	148	SEE BELOW
REF 2	EXHAUST	ROOF	800	0.75	0.5 H.P. 115-1-60	GREENHECK	CUE-101HP-VG	100	SEE BELOW

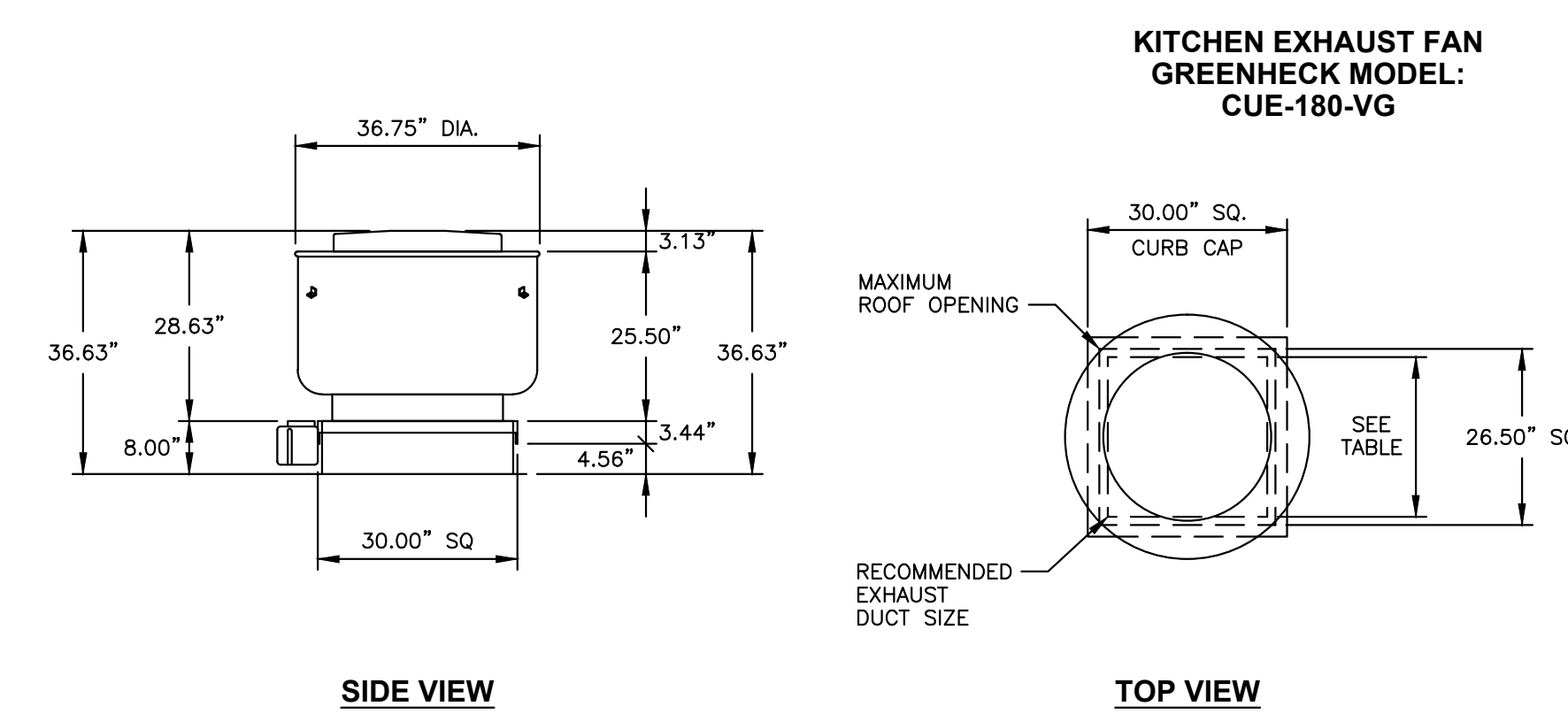
MARK NO.	SERVICE	MOUNTING	CFM	STATIC IN. W.G.	H.P./VOLTAGE	MANUFACTURER (OR APPROVED EQUAL)	MANUFACTURER MODEL NO.	UNIT WEIGHT (LBS.)	NOTES
KSF 1	SUPPLY	ROOF	2,294	0.75	2 H.P. 208-1-60	GREENHECK	KSO-12-M2-VG	137	SEE BELOW

- KITCHEN HOOD AND MOTORS/FANS FURNISHED AND INSTALLED BY HVAC CONTRACTOR.
- ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL ALL ELECTRICAL ASSOCIATED WITH THE KITCHEN HOOD AND KITCHEN HOOD FANS.
- ENTIRE INSTALLATION TO BE IN ACCORDANCE WITH NFPA 96.
- ALL MOTOR STARTERS SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR.
- ALL KITCHEN HOODS SHALL INCLUDE HEAT SENSOR TO AUTOMATICALLY START FANS.
- ALL EXHAUST FANS SHALL INCLUDE PRE-WIRED NEMA DISCONNECT AND SPARE BELT SET.
- ALL KITCHEN EXHAUST FANS SHALL BE UL 762 RATED.
- ALL KITCHEN SUPPLY FANS TO INCLUDE PREWIRED DISCONNECT, DAMPER, SPARE BELT SET, AND WEATHERHOOD.
- ALL KITCHEN HOODS SHALL INCLUDE HEAT SENSOR TO AUTOMATICALLY START FANS.
- SUPPLY FAN SHALL SHUT OFF UPON ACTIVATION OF THE EXTINGUISHING SYSTEM IN ACCORDANCE WITH NFPA 96.
- INSTALLATION SHALL INCLUDE FACTORY ROOF CURB FOR ROOF MOUNTED FANS. COORDINATE ALL ROOF CURBS WITH THE ROOFING CONTRACTOR. PRIME AND PAINT ROOF CURB TO MATCH ROOF. ALL FANS SHALL BE HIGH WIND RATED (DESIGNED TO WITHSTAND WIND LOADS OF UP TO 150 MPH). HIGH WIND RATING SHALL BE DELIVERED FROM FACTORY WITH THIRD PARTY CERTIFICATION.
- KEF-1: SWITCH, NEMA-1, TOGGLE, JUNCTION BOX MOUNTED AND WIRED / HINGED CAP KIT WITH CABLES / CURB SEAL NON-STICK COATED WHEEL / TIE DOWN POINTS - SET OF 4 / HIGH WIND RATED / HOOD HASPS / GREASE TRAP / STAINLESS STEEL FASTENERS - 300 SERIES / CLEAN-OUT PORT / KEYWAY GREASE TROUGH.
- KEF-2: SWITCH, NEMA-3R, TOGGLE, JUNCTION BOX MOUNTED AND WIRED / HINGED CAP KIT WITH CABLES / CURB SEAL / NON-STICK COATED WHEEL / TIE DOWN POINTS - SET OF 4 / HOOD HASPS / GREASE TRAP / STAINLESS STEEL FASTENERS - 300 SERIES / BIRDSCREEN / CLEAN-OUT PORT.
- KSF-1: SWITCH, NEMA-3R, TOGGLE, JUNCTION BOX MOUNTED AND WIRED / HORIZONTAL WEATHERHOOD INTAKE / BOTTOM (CURB MOUNTED) DISCHARGE / 1" ALUMINUM PRIMARY FILTER.
- ALL ROOF MOUNTED FANS SHALL BE LOCATED MINIMUM 10 FEET FROM ROOF EDGE (TYPICAL).
- ALL FANS SHALL BE UL LISTED.

APPROVED EQUALS: ACCUREX, CAPTIVE AIRE, AND LOREN COOK

DUCT TYPE	SIZE
STANDARD DUCT	24" SQ
FIRE-WRAPPED DUCT	16" SQ

DUCT DIMENSIONS ARE LARGEST POSSIBLE DUCT TO FIT THROUGH CURB. CONSULT SYSTEM DESIGN ENGINEER FOR RECOMMENDED DUCT SIZE. OVERALL HEIGHT MAY BE GREATER DEPENDING ON MOTOR, ADAPTER, AND/OR HINGE BASE. SEE KITCHEN FAN SCHEDULE AND PLANS FOR ADDITIONAL INFORMATION ON KITCHEN EXHAUST FAN (KEF-1).

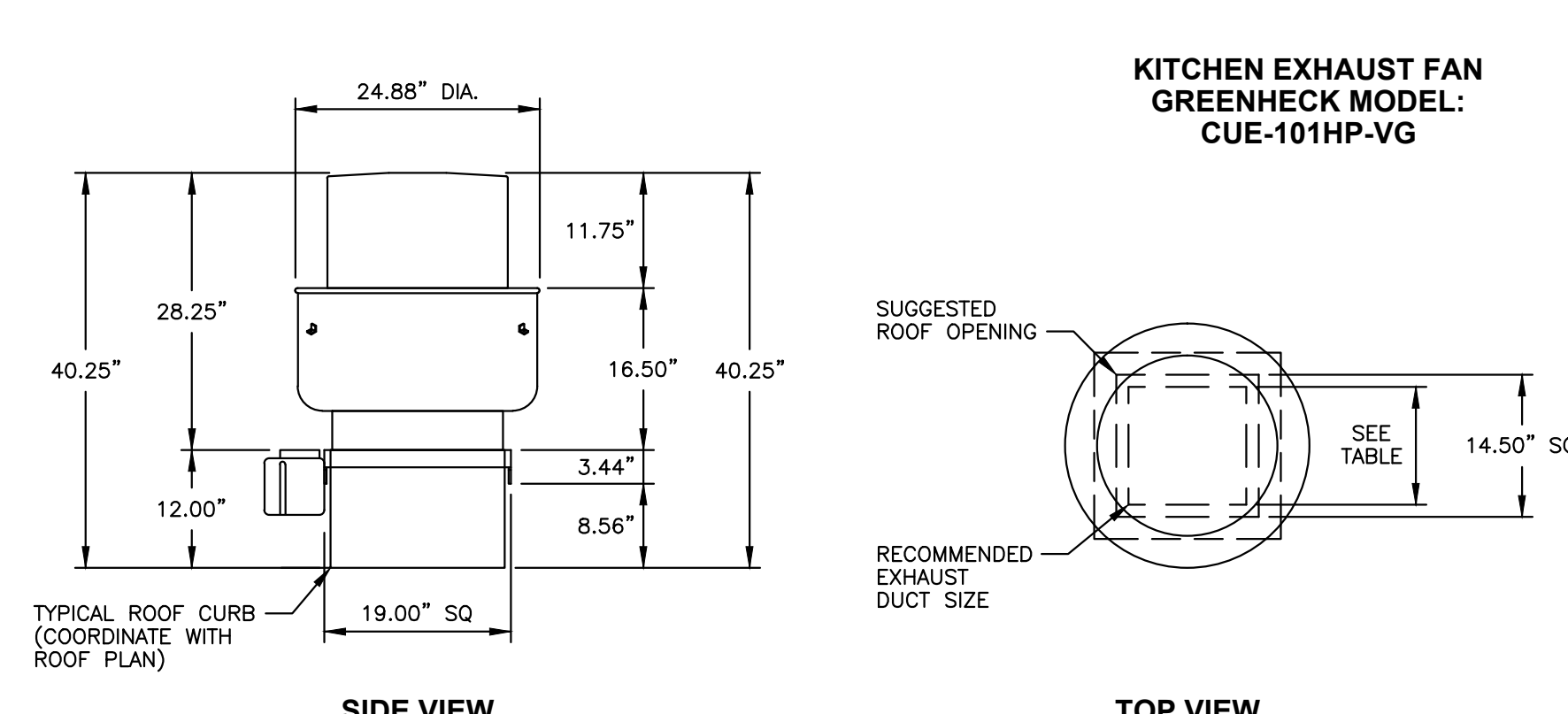


KITCHEN EXHAUST FAN DETAIL (KEF-1)

NOT TO SCALE

DUCT TYPE	SIZE
STANDARD DUCT	12" SQ
FIRE-WRAPPED DUCT	4" SQ

DUCT DIMENSIONS ARE LARGEST POSSIBLE DUCT TO FIT THROUGH CURB. CONSULT SYSTEM DESIGN ENGINEER FOR RECOMMENDED DUCT SIZE. OVERALL HEIGHT MAY BE GREATER DEPENDING ON MOTOR, ADAPTER, AND/OR HINGE BASE. SEE KITCHEN FAN SCHEDULE AND PLANS FOR ADDITIONAL INFORMATION ON KITCHEN EXHAUST FAN (KEF-2).



KITCHEN EXHAUST FAN DETAIL (KEF-2)

NOT TO SCALE

HVAC SCHEDULES AND DETAILS

WHORTON ENGINEERING, INC.

HVAC - PLUMBING - PROCESS CONTROL

Randall Whorton

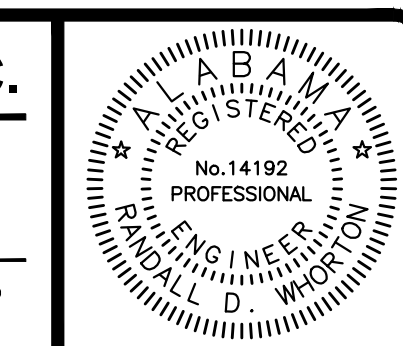
DATE 06-03-2024

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WHORTON ENGINEERING PROJECT NO. 23198

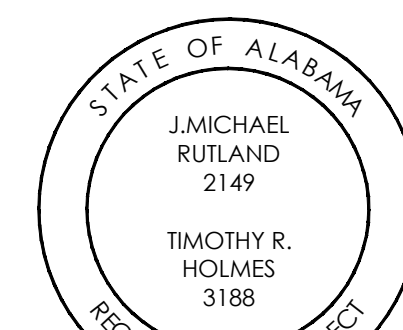


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CHOCTAW
COUNTY JAIL
BUTLER,
ALABAMA

CONSTRUCTION DOCUMENTS

Project Number: 22-1189

Date: 30 MAY 2024

Revisions:

Sheet Description

HVAC
SCHEDULES
AND DETAILS

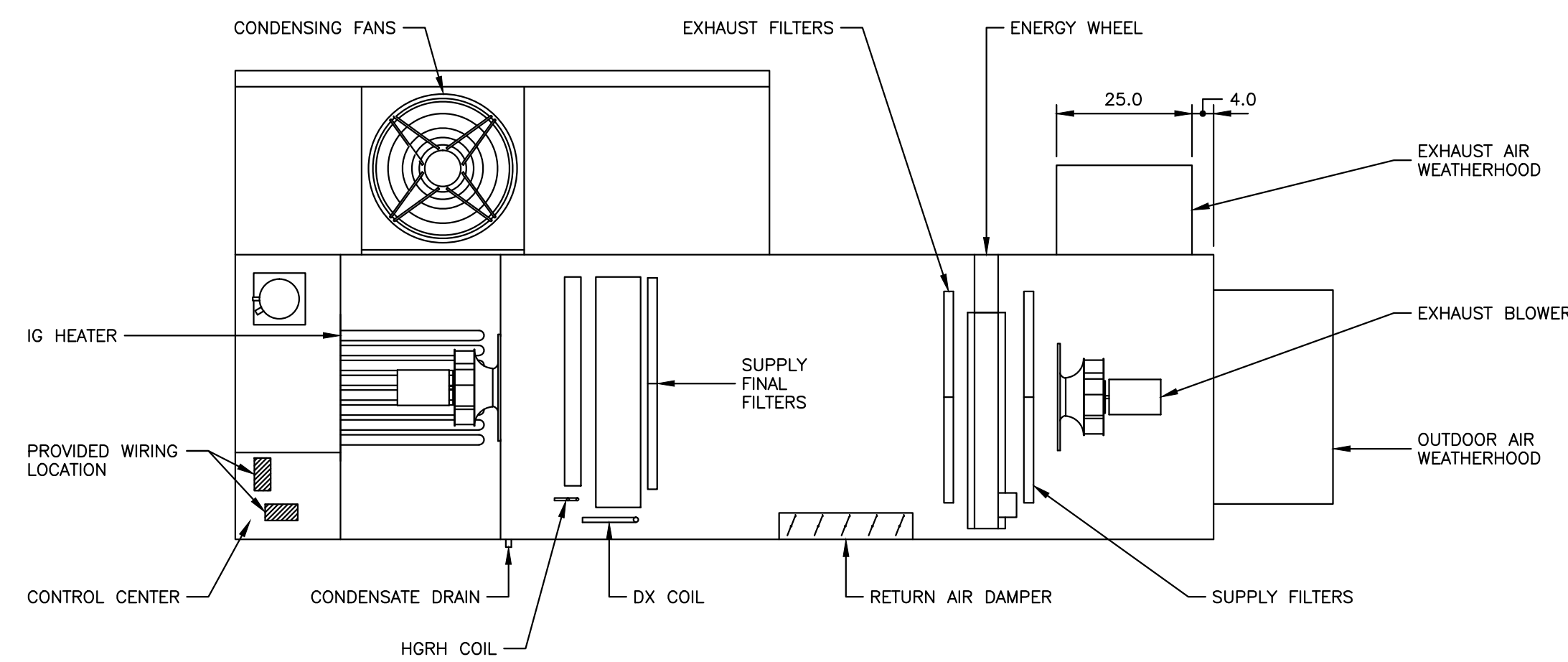
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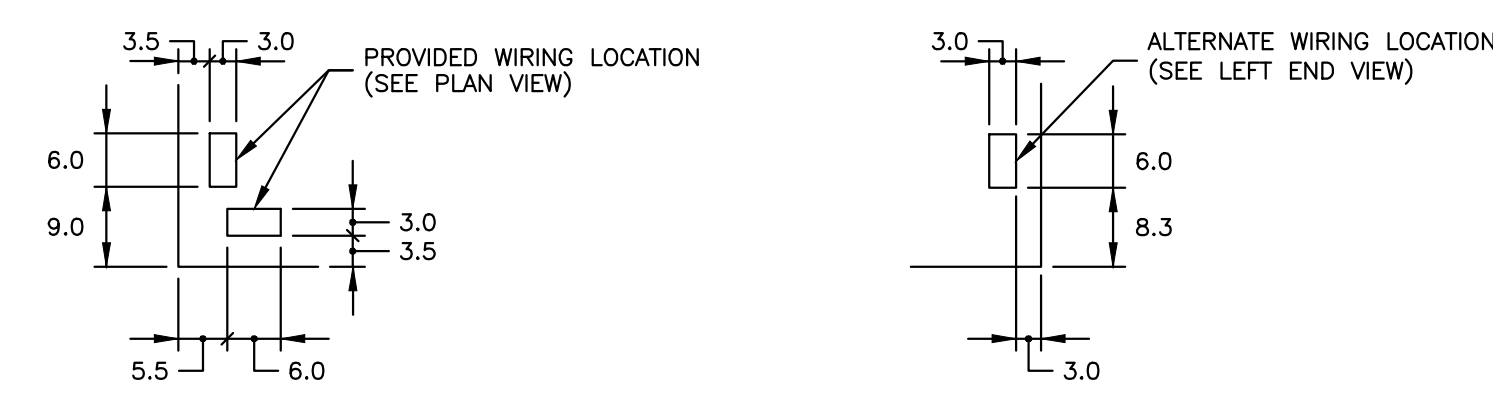
73 OF 98

REFERENCE UNIT IOM'S FOR THE CORRECT DUCT FLANGE SIZE. DUCT FLANGES ARE LARGER THAN OPENING SIZE SHOWN.

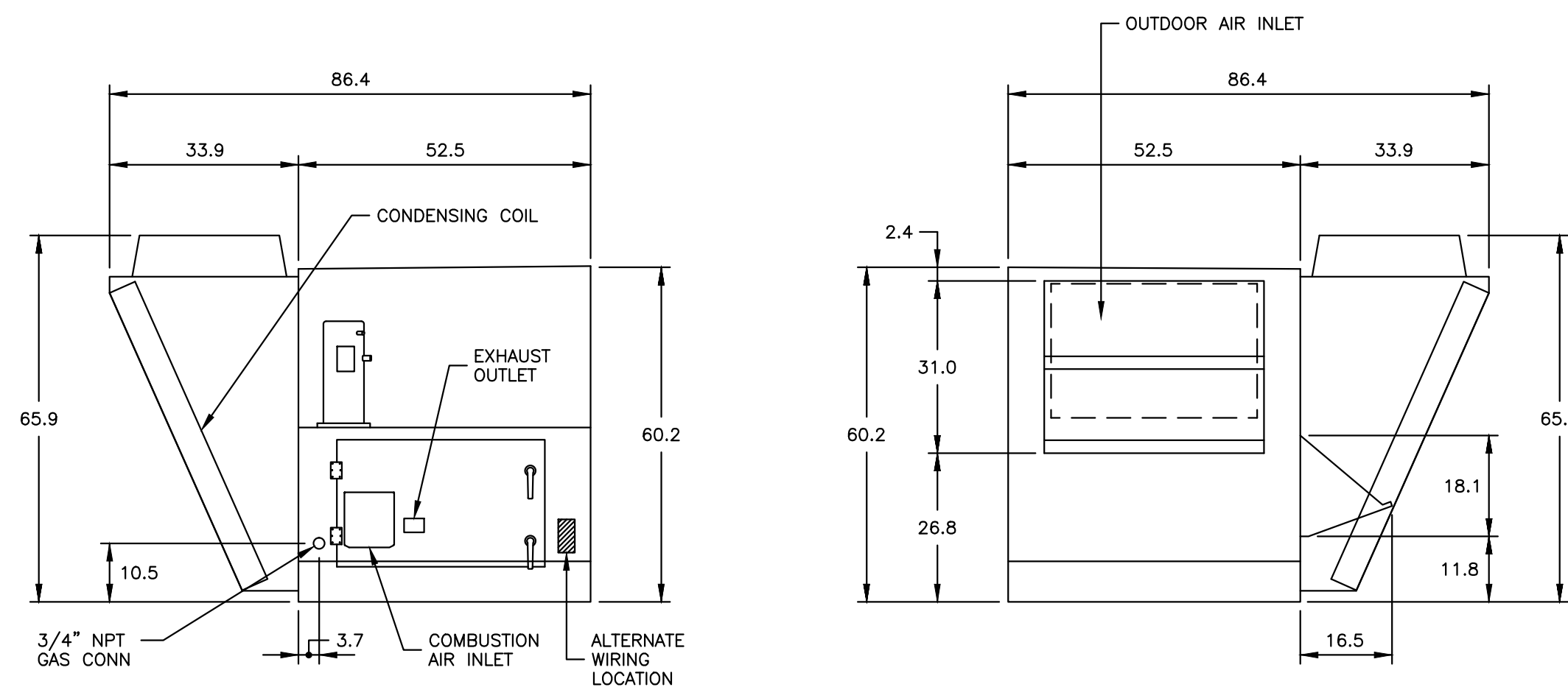
NOTE: ALL DIMENSIONS ARE IN INCHES



PLAN VIEW

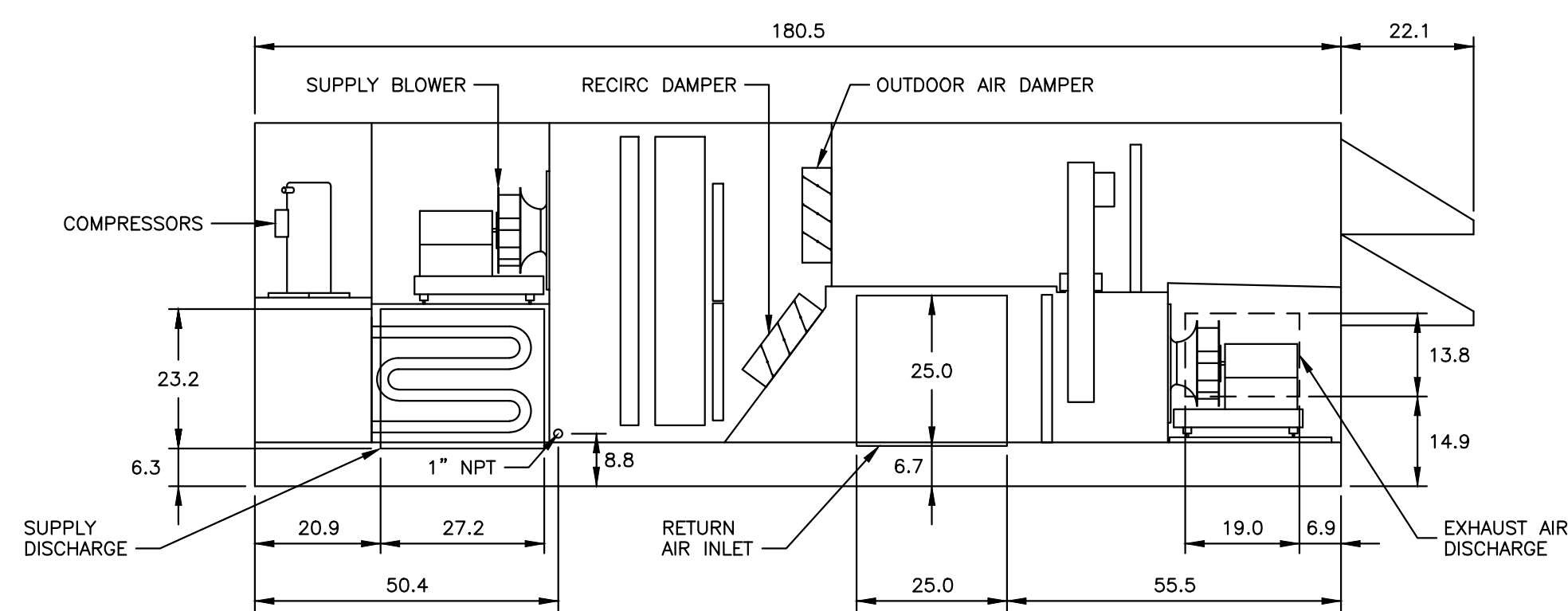


ELECTRICAL CONNECTIONS



LEFT END VIEW

RIGHT END VIEW



ELEVATION VIEW

TOTAL ENERGY RECOVERY UNIT DETAILS
RVE-40-30D-5I-C-J1 (GPU-1)

NOT TO SCALE

TOTAL ENERGY RECOVERY UNIT SCHEDULE (GPU-1)

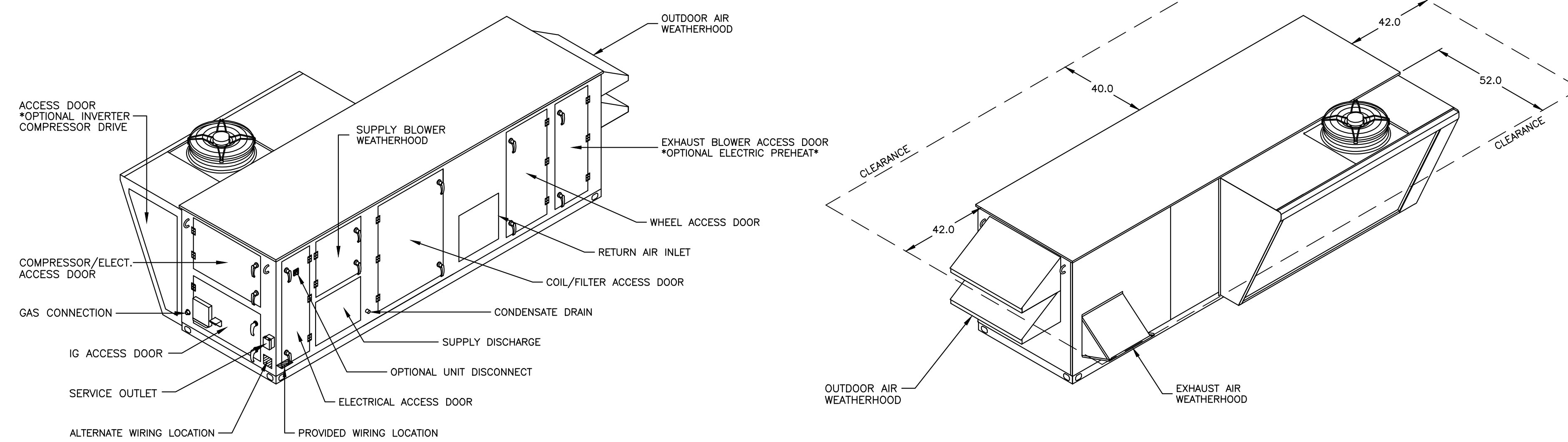
GENERAL DATA				COOLING PERFORMANCE			
MARK NO.	GPU-1	WHEEL EFFECTIVENESS	68.0%	COOLING TYPE	PACKAGED DX	FINS PER INCH/ROWS DEEP	14/4
MANUFACTURER (OR APPROVED EQUAL)	GREENHECK	UNIT LENGTH (INCHES)	202.6	MANUFACTURER (OR APPROVED EQUAL)	GREENHECK	COIL FACE VELOCITY (FT/MIN)	90
MODEL NO.	RVE-40-30D-5I-C-J1	UNIT HEIGHT (INCHES)	65.9	REFRIGERANT	R-410A	COIL PRESSURE DROP (IN. WG)	0.046
TYPE	WHEEL	UNIT WIDTH (INCHES)	86.4	TOTAL/SENSIBLE CAPACITY (MBH)	62.0 TOTAL/38.6 SENS.	COMPRESSOR TYPE (QTY)	INVERTER SCROLL (1)
AIRFLOW (CFM)	1,060	UNIT WEIGHT (LBS.)	3,006	ENTERING AIR DRY BULB (°F)	78.9°	LEAVING AIR DRY BULB (°F)	45.7°
SUPPLY FAN (HP)	1.0	EXHAUST FAN (HP)	1.0	ENTERING AIR WET BULB (°F)	66.1°	LEAVING AIR WET BULB (°F)	45.7°
SUPPLY FAN EXTERNAL SP (IN. WG)	1.0	EXHAUST FAN EXTERNAL SP (IN. WG)	1.0	HEATING PERFORMANCE			
VARIABLE SPEED SUPPLY	YES (SOFT START)	VARIABLE SPEED EXHAUST	YES (SOFT START)	HEATING TYPE	INDIRECT NATURAL GAS	ENTERING AIR DRY BULB (°F)	62.1°
MOISTURE DRY BULB (°F)	83.4°	INDOOR DESIGN DRY BULB (°F)	75.0°	INPUT (MBH)	100	LEAVING AIR DRY BULB (°F)	132.8°
MOISTURE WET BULB (°F)	79.3°	INDOOR DESIGN WET BULB (°F)	62.4°	OUTPUT (MBH)	81	SINGLE POINT POWER	YES
SUMMER DESIGN DRY BULB (°F)	94.1°	WINTER DESIGN DRY BULB (°F)	27.7°	FURNACE CONTROL	16:1 MODULATING	HOT GAS REHEAT - CAPACITY (MBH)	43.6
SUMMER DESIGN WET BULB (°F)	76.8°	WINTER DESIGN WET BULB (°F)	23.3°	WINTER OPERATION PERFORMANCE			
SUMMER OPERATION PERFORMANCE				WINTER OPERATION PERFORMANCE			
UNIT OUTSIDE AIR DATA		UNIT RETURN AIR DATA		UNIT OUTSIDE AIR DATA		UNIT RETURN AIR DATA	
AIRFLOW (CFM)	740	AIRFLOW (CFM)	320	AIRFLOW (CFM)	740	AIRFLOW (CFM)	320
DRY BULB TEMPERATURE (°F)	94.1°	DRY BULB TEMPERATURE (°F)	75.0°	DRY BULB TEMPERATURE (°F)	27.7°	DRY BULB TEMPERATURE (°F)	72.0°
WET BULB TEMPERATURE (°F)	76.8°	WET BULB TEMPERATURE (°F)	62.4°	WET BULB TEMPERATURE (°F)	23.3°	WET BULB TEMPERATURE (°F)	55.7°
HEAT EXCHANGER SUPPLY DATA				HEAT EXCHANGER EXHAUST DATA			
DRY BULB TEMPERATURE (°F)	80.5°	DRY BULB TEMPERATURE (°F)	90.6°	DRY BULB TEMPERATURE (°F)	57.8°	DRY BULB TEMPERATURE (°F)	36.0°
WET BULB TEMPERATURE (°F)	67.6°	WET BULB TEMPERATURE (°F)	74.1°	WET BULB TEMPERATURE (°F)	46.5°	WET BULB TEMPERATURE (°F)	31.3°
UNIT ELECTRICAL DATA				SUPPLY AND EXHAUST MOTOR DATA			
VOLTAGE-PHASE-FREQUENCY	460-3-60	UNIT MINIMUM EER	11.5	SUPPLY FAN FRPM	1,406	EXHAUST FAN FRPM	1,153
UNIT MCA (AMPS)	18.5	UNIT MINIMUM IEER	19.2	SUPPLY EFFICIENCY	PE	EXHAUST EFFICIENCY	PE
UNIT MOP (AMPS)	25.0			SUPPLY ENCLOSURE	ODP	EXHAUST ENCLOSURE	ODP

- ① UNIT TO INCLUDE DOUBLE WALL CONSTRUCTION, 2" PLEATED OUTDOOR AIR FILTER AND EXHAUST AIR FILTERS - BOTH FILTERS SHALL BE MERV 8.
- ② UNIT TO INCLUDE FROST CONTROL: MODULATING WHEEL.
- ③ UNIT TO INCLUDE MOTORIZED FACTORY INSULATED LOW LEAKAGE DAMPERS (EXHAUST AND SUPPLY).
- ④ UNIT TO INCLUDE MODULATING FAN VFD'S FOR SOFT START.
- ⑤ UNIT TO INCLUDE DIRTY FILTER SENSORS (OUTDOOR AND EXHAUST).
- ⑥ UNIT TO INCLUDE CONTROL PANEL WITH DIRTY FILTER LIGHT, FROST CONTROL LIGHT, HAND/OFF/AUTO SWITCH, ON/OFF LIGHT, ROTATION SENSOR LIGHT.
- ⑦ UNIT TO INCLUDE ROTATION SENSOR AND VAPOR TIGHT LIGHTS.
- ⑧ SUBMITTAL TO INCLUDE WINTER LEAVING AIR TEMPERATURE MINIMUM OF 72°F.
- ⑨ SUBMITTAL TO INCLUDE ASHRAE SUMMER DESIGN (94.1°/76.8°), DEHUMIDIFICATION (83.4°/79.3°), AND EVAPORATION (88.5°/80.1°) DESIGN FOR OUTSIDE AIR CONDITIONS.
- ⑩ UNIT TO INCLUDE FACTORY DISCONNECT, HAIL GUARDS, AND HINGED ACCESS DOORS.
- ⑪ UNIT TO INCLUDE 1 SPARE SET OF BELTS AND FILTERS.
- ⑫ UNIT TO INCLUDE 3 YEAR WARRANTY, 5 YEAR EXTENDED COMPRESSOR WARRANTY.
- ⑬ UNIT TO INCLUDE UV-C PROTECTION. EQUIPMENT SHALL BE FRESH-AIRE UV AIRBORNE DUCT SYSTEM MODEL TUV-C-ADS (OR APPROVED EQUAL).
- ⑭ UNIT TO INCLUDE FACTORY MOUNTED AND WIRED CONVENIENCE OUTLET.
- ⑮ UNIT TO INCLUDE FACTORY REMOTE PANEL, ROTATION SENSOR, CONDENSATE OVERFLOW SWITCH, AND CONDENSATE DRAIN TRAP.
- ⑯ UNIT TO INCLUDE DIGITAL SCROLL COMPRESSORS.
- ⑰ UNIT TO INCLUDE FACTORY MODULATING HOT GAS REHEAT FOR DEHUMIDIFICATION.
- ⑱ UNIT TO INCLUDE UNOCCUPIED RECIRCULATING MODE.
- ⑲ UNIT FINISH SHALL BE FACTORY PERMATECTOR.
- ⑳ UNIT TO INCLUDE BIOCLIMATIC (OR APPROVED EQUAL) BI-POLAR IONIZATION UNIT (NEEDLEPOINT) MOUNTED IN UNIT SUPPLY DUCT PER MANUFACTURER'S RECOMMENDATION. IONIZATION UNIT SHALL BE POWERED FROM ASSOCIATED UNIT.
- ㉑ UNIT TO INCLUDE WEATHERHOOD: DOWNTURN HOOD.
- ㉒ COORDINATE UNIT ARRANGEMENT WITH PLANS.
- ㉓ UNIT TO INCLUDE FACTORY EXHAUST DISCHARGE GRAVITY BACKDRAFT DAMPER.
- ㉔ UNIT SHALL INCLUDE FACTORY PHASE AND BROWN OUT PROTECTION.
- ㉕ UNIT TO INCLUDE FACTORY SMOKE DETECTORS (SUPPLY AND EXHAUST).
- ㉖ PROVIDE PURGE SECTION FOR ALL ENERGY RECOVERY UNITS.
- ㉗ UNIT SHALL BE ASHRAE 90.1-2013 COMPLIANT.
- ㉘ UNIT SHALL INCLUDE DUCT MOUNTED SENSOR (TEMP/HUMIDITY) MOUNTED IN UNIT RETURN. REMOTE THERMOSTAT WITH SETPOINTS, ADJUSTMENTS, ETC. SHALL BE LOCATED IN CENTRAL CONTROL - 156. UNIT THERMOSTAT SHALL BE 7-DAY PROGRAMMABLE AUTOMATIC CHANGEOVER THERMOSTAT.

APPROVED EQUALS: AAO, SEMCO, TRANE, VALENT, AND VENMAR

ALL INDOOR AND OUTDOOR UNITS SHALL BE LOCATED SO THAT MAINTENANCE CLEARANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION AND AS PER PLANS/SPECIFICATIONS ARE MAINTAINED. COORDINATE MAINTENANCE CLEARANCES WITH STRUCTURAL AND ARCHITECTURAL PLANS, FRAMING, ETC.

NOTE: ALL DIMENSIONS ARE IN INCHES

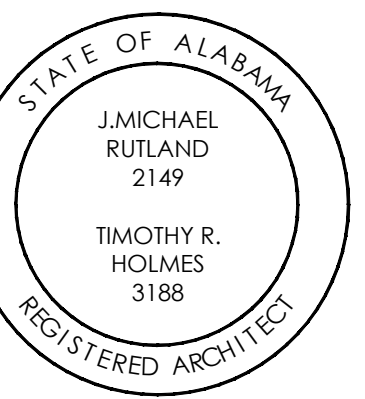


BACK RIGHT ISOMETRIC

FRONT LEFT ISOMETRIC

ISOMETRIC VIEWS - TOTAL ENERGY RECOVERY UNIT - RVE-40-30D-5I-C-J1 (GPU-1)

NOT TO SCALE



CHOCTAW COUNTY JAIL
BUTLER, ALABAMA

CONSTRUCTION DOCUMENTS

Project Number: 22-1189
Date: 30 MAY 2024
Revisions:

Sheet Description

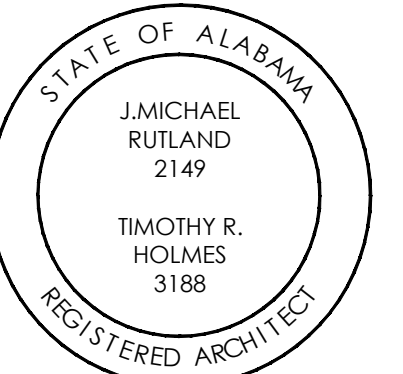
HVAC SCHEDULES AND DETAILS

Sheet Number

M1.5

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**CHOCTAW
COUNTY JAIL
BUTLER,
ALABAMA**

**CONSTRUCTION
DOCUMENTS**

Project Number: 22-1189
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**HVAC
SCHEDULES
AND DETAILS**

Sheet Number

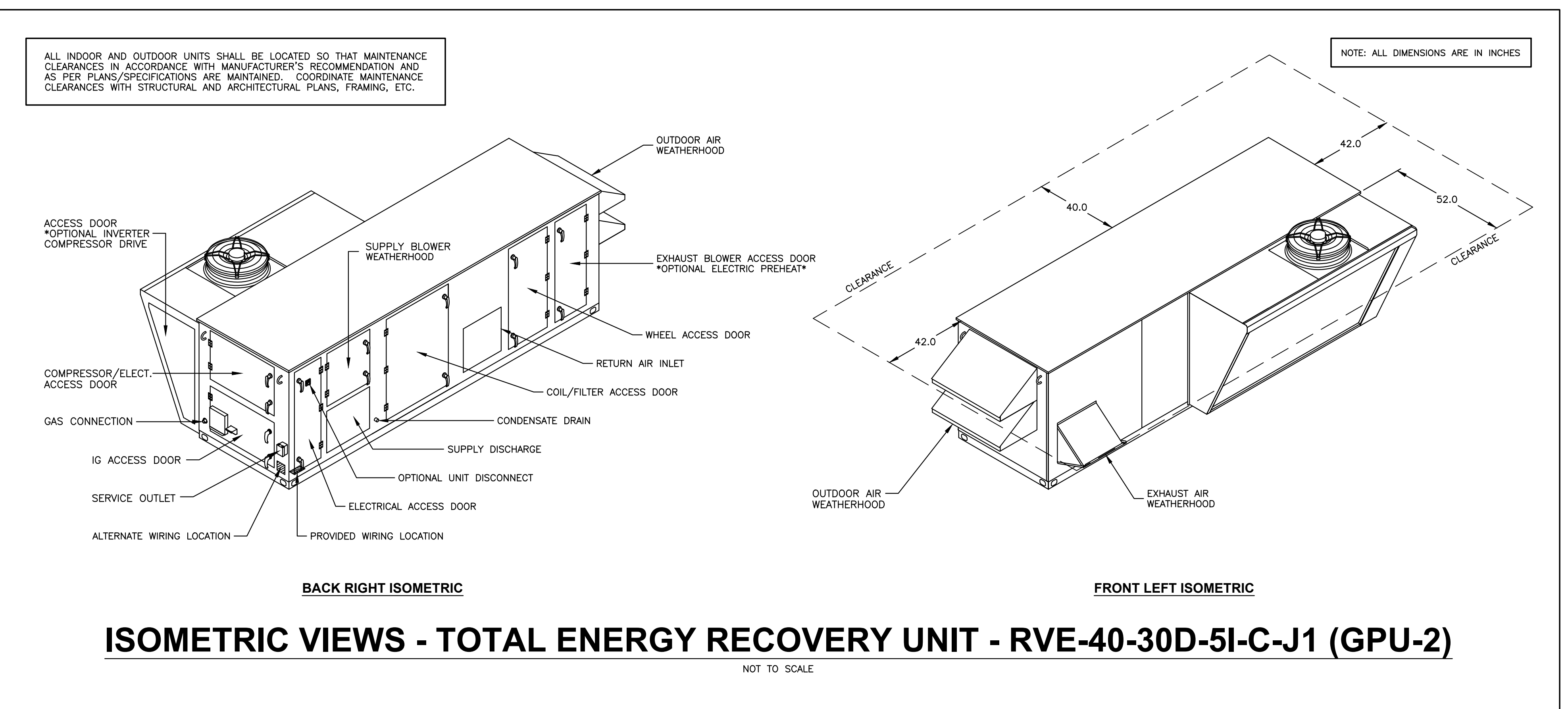
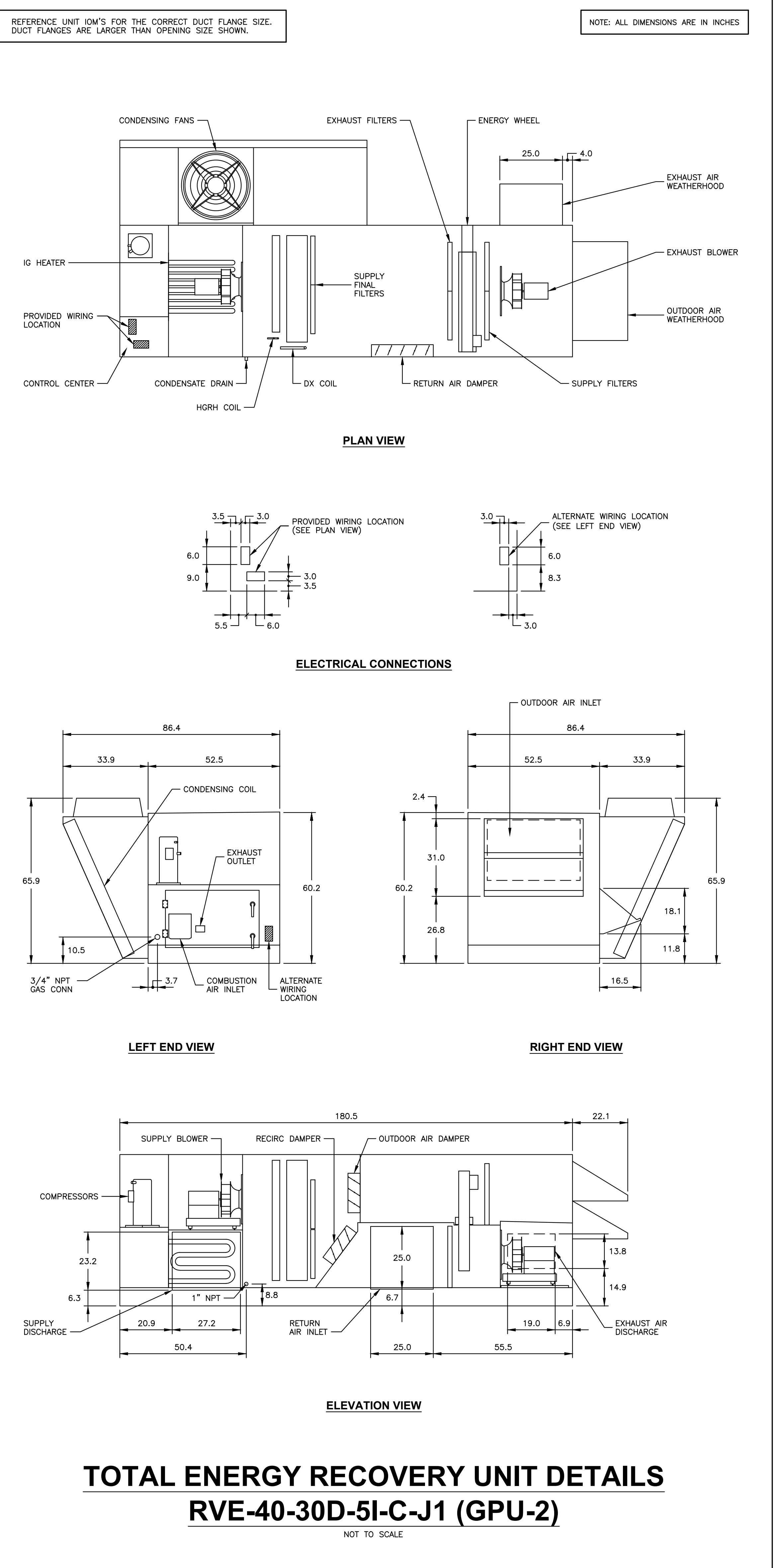
M1.6

TOTAL ENERGY RECOVERY UNIT SCHEDULE (GPU-2)

GENERAL DATA				COOLING PERFORMANCE			
MARK NO.	GPU-2	WHEEL EFFECTIVENESS	68.9%	COOLING TYPE	PACKAGED DX	FINS PER INCH/ROWS DEEP	14/4
MANUFACTURER (OR APPROVED EQUAL)	GREENHECK	UNIT LENGTH (INCHES)	202.6	MANUFACTURER (OR APPROVED EQUAL)	GREENHECK	COIL FACE VELOCITY (FT/MIN)	103
MODEL NO.	RVE-40-30D-5I-C-J1	UNIT HEIGHT (INCHES)	65.9	REFRIGERANT	R-410A	COIL PRESSURE DROP (IN. WG)	0.056
TYPE	WHEEL	UNIT WIDTH (INCHES)	86.4	TOTAL/SENSIBLE CAPACITY (MBH)	63.3 TOTAL/41.3 SENS.	COMPRESSOR TYPE (QTY)	INVERTER SCROLL (1)
AIRFLOW (CFM)	1,220	UNIT WEIGHT (LBS.)	3,006	ENTERING AIR DRY BULB (°F)	77.6'	LEAVING AIR DRY BULB (°F)	46.7
SUPPLY FAN (HP)	1.0	EXHAUST FAN (HP)	1.0	ENTERING AIR WET BULB (°F)	64.9'	LEAVING AIR WET BULB (°F)	46.7
SUPPLY FAN EXTERNAL SP (IN. WG)	1.0	EXHAUST FAN EXTERNAL SP (IN. WG)	1.0	HEATING PERFORMANCE			
VARIABLE SPEED SUPPLY	YES (SOFT START)	VARIABLE SPEED EXHAUST	YES (SOFT START)	HEATING TYPE	INDIRECT NATURAL GAS	ENTERING AIR DRY BULB (°F)	65.4'
MOISTURE DRY BULB (°F)	83.4'	INDOOR DESIGN DRY BULB (°F)	75.0'	INPUT (MBH)	100	LEAVING AIR DRY BULB (°F)	126.8'
MOISTURE WET BULB (°F)	79.3'	INDOOR DESIGN WET BULB (°F)	62.4'	OUTPUT (MBH)	81	SINGLE POINT POWER	YES
SUMMER DESIGN DRY BULB (°F)	94.1'	WINTER DESIGN DRY BULB (°F)	27.7'	FURNACE CONTROL	16:1 MODULATING	HOT GAS REHEAT - CAPACITY (MBH)	45.3
SUMMER DESIGN WET BULB (°F)	76.8'	WINTER DESIGN WET BULB (°F)	23.3'	WINTER OPERATION PERFORMANCE			
SUMMER OPERATION PERFORMANCE				WINTER OPERATION PERFORMANCE			
UNIT OUTSIDE AIR DATA		UNIT RETURN AIR DATA		UNIT OUTSIDE AIR DATA		UNIT RETURN AIR DATA	
AIRFLOW (CFM)	585	AIRFLOW (CFM)	635	AIRFLOW (CFM)	585	AIRFLOW (CFM)	635
DRY BULB TEMPERATURE (°F)	94.1'	DRY BULB TEMPERATURE (°F)	75.0'	DRY BULB TEMPERATURE (°F)	27.7	DRY BULB TEMPERATURE (°F)	72.0'
WET BULB TEMPERATURE (°F)	76.8'	WET BULB TEMPERATURE (°F)	62.4'	WET BULB TEMPERATURE (°F)	23.3'	WET BULB TEMPERATURE (°F)	55.7
HEAT EXCHANGER SUPPLY DATA		HEAT EXCHANGER EXHAUST DATA		HEAT EXCHANGER SUPPLY DATA		HEAT EXCHANGER EXHAUST DATA	
DRY BULB TEMPERATURE (°F)	80.3'	DRY BULB TEMPERATURE (°F)	90.9'	DRY BULB TEMPERATURE (°F)	58.3'	DRY BULB TEMPERATURE (°F)	35.2'
WET BULB TEMPERATURE (°F)	67.4'	WET BULB TEMPERATURE (°F)	74.3'	WET BULB TEMPERATURE (°F)	46.8'	WET BULB TEMPERATURE (°F)	30.7'
UNIT ELECTRICAL DATA				UNIT AHRI RATINGS			
VOLTAGE-PHASE-FREQUENCY	460-3-60	UNIT MINIMUM EER	11.5	SUPPLY FAN FRPM	1,420	EXHAUST FAN FRPM	1,115
UNIT MCA (AMPS)	18.5	UNIT MINIMUM IEER	19.2	SUPPLY EFFICIENCY	PE	EXHAUST EFFICIENCY	PE
UNIT MOP (AMPS)	25.0			SUPPLY ENCLOSURE	ODP	EXHAUST ENCLOSURE	ODP

- ① UNIT TO INCLUDE DOUBLE WALL CONSTRUCTION, 2" PLEATED OUTDOOR AIR FILTER AND EXHAUST AIR FILTERS - BOTH FILTERS SHALL BE MERV 8.
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- ⑨ SUBMITTAL TO INCLUDE ASHRAE SUMMER DESIGN (94.1°/76.8°), DEHUMIDIFICATION (83.4°/79.3°), AND EVAPORATION (88.5°/80.1°) DESIGN FOR OUTSIDE AIR CONDITIONS.
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- ⑪ UNIT TO INCLUDE 1 SPARE SET OF BELTS AND FILTERS.
- ⑫ UNIT TO INCLUDE 3 YEAR WARRANTY, 5 YEAR EXTENDED COMPRESSOR WARRANTY.
- ⑬ UNIT TO INCLUDE UV-C PROTECTION. EQUIPMENT SHALL BE FRESH-AIR UV AIRBORNE DUCT SYSTEM MODEL TUV-C-ADS (OR APPROVED EQUAL).
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APPROVED EQUALS: AAO, SEMCO, TRANE, VALENT, AND VENMAR

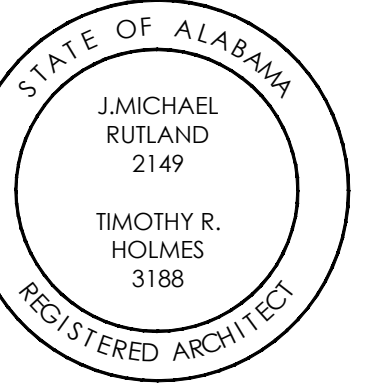


HVAC SCHEDULES AND DETAILS

WHORTON ENGINEERING, INC.
HVAC - PLUMBING - PROCESS CONTROL
Randall Whorton
RANDALL WHORTON, P.E.
PHONE: (256) 820-9897

DATE 06-03-2024
25 SUMMERBALL GATE ROAD
ANNISTON, ALABAMA 36805

WHORTON ENGINEERING PROJECT NO. 23198



**CHOCTAW
COUNTY JAIL
BUTLER,
ALABAMA**

**CONSTRUCTION
DOCUMENTS**

Project Number: 22-1189
Date: 30 MAY 2024
Revisions:

Sheet Description

**HVAC
SCHEDULES
AND DETAILS**

Sheet Number

M1.7

TOTAL ENERGY RECOVERY UNIT SCHEDULE (RTU-2 / RTU-3)

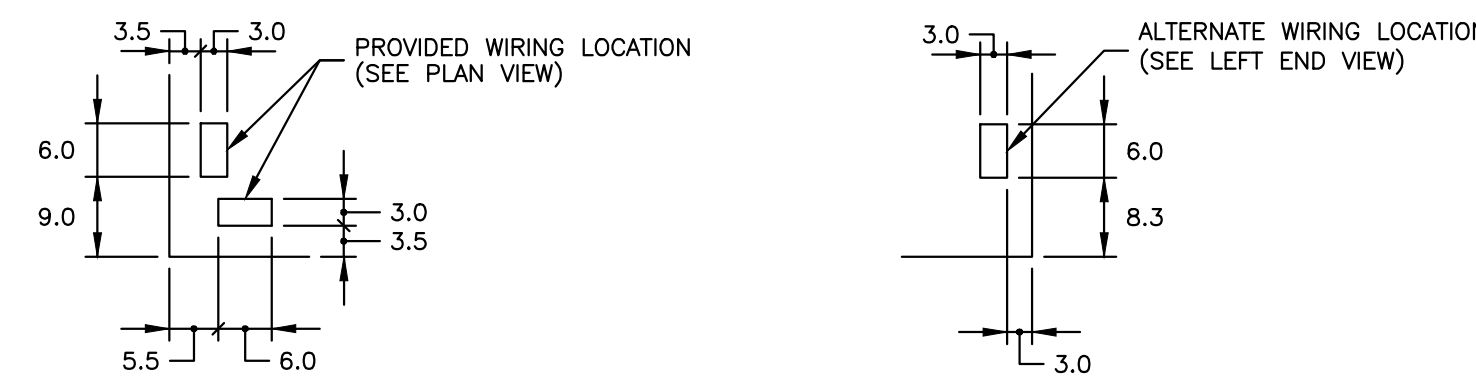
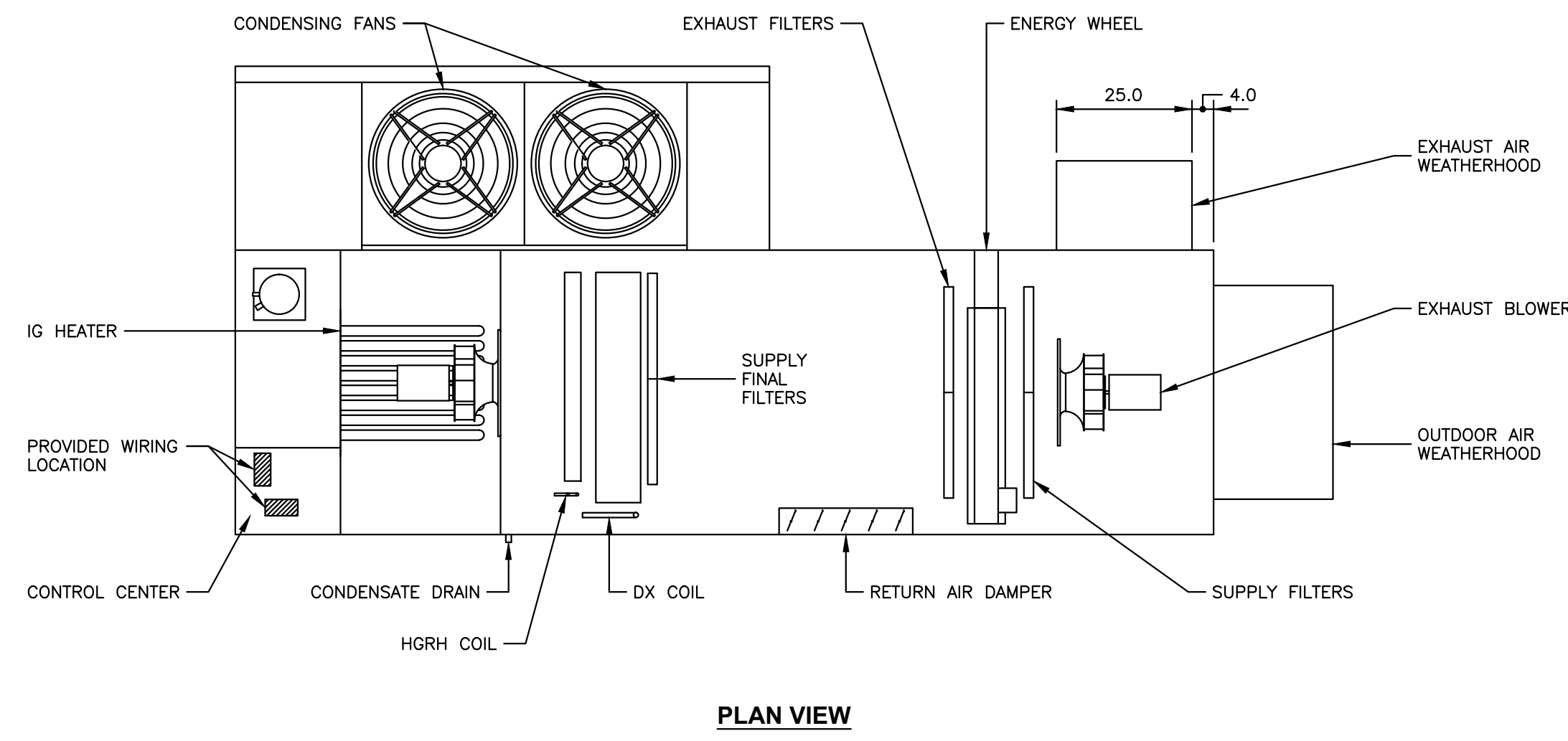
GENERAL DATA				COOLING PERFORMANCE			
MARK NO.	RTU-2/RTU-3	WHEEL EFFECTIVENESS	74.2%	COOLING TYPE	PACKAGED DX	FINS PER INCH/WHEEL DEEP	14/8
MANUFACTURER (OR APPROVED EQUAL)	GREENHECK	UNIT LENGTH (INCHES)	202.6	MANUFACTURER (OR APPROVED EQUAL)	GREENHECK	COIL FACE VELOCITY (FT/MIN)	227
MODEL NO.	RVE-40-36D-12.5I-C-J1	UNIT HEIGHT (INCHES)	65.9	REFRIGERANT	R-410A	COIL PRESSURE DROP (IN. WG)	0.26
TYPE	WHEEL	UNIT WIDTH (INCHES)	86.4	TOTAL/SENSIBLE CAPACITY (MBH)	139.0 TOTAL/94.5 SENS.	COMPRESSOR TYPE (QTY)	INVERTER SCROLL (1)
AIRFLOW (CFM)	3,010	UNIT WEIGHT (LBS.)	3,298	ENTERING AIR DRY BULB (°F)	77.6'	LEAVING AIR DRY BULB (°F)	48.9'
SUPPLY FAN (HP)	5.0	EXHAUST FAN (HP)	1.5	ENTERING AIR WET BULB (°F)	64.8'	LEAVING AIR WET BULB (°F)	48.9'
SUPPLY FAN EXTERNAL SP (IN. WG)	1.5	EXHAUST FAN EXTERNAL SP (IN. WG)	1.5	HEATING PERFORMANCE			
VARIABLE SPEED SUPPLY	YES (SOFT START)	VARIABLE SPEED EXHAUST	YES (SOFT START)	HEATING TYPE	INDIRECT NATURAL GAS	ENTERING AIR DRY BULB (°F)	65.4'
MOISTURE DRY BULB (°F)	83.4'	INDOOR DESIGN DRY BULB (°F)	75.0'	INPUT (MBH)	100	LEAVING AIR DRY BULB (°F)	90.3'
MOISTURE WET BULB (°F)	79.3'	INDOOR DESIGN WET BULB (°F)	62.5'	OUTPUT (MBH)	81	SINGLE POINT POWER	YES
SUMMER DESIGN DRY BULB (°F)	94.1'	WINTER DESIGN DRY BULB (°F)	27.7'	FURNACE CONTROL	16:1 MODULATING	HOT GAS REHEAT - CAPACITY (MBH)	89.8
SUMMER DESIGN WET BULB (°F)	76.8'	WINTER DESIGN WET BULB (°F)	23.3'				
SUMMER OPERATION PERFORMANCE				WINTER OPERATION PERFORMANCE			
UNIT OUTSIDE AIR DATA		UNIT RETURN AIR DATA		UNIT OUTSIDE AIR DATA		UNIT RETURN AIR DATA	
AIRFLOW (CFM)	1,660	AIRFLOW (CFM)	1,350	AIRFLOW (CFM)	1,660	AIRFLOW (CFM)	1,350
DRY BULB TEMPERATURE (°F)	94.1'	DRY BULB TEMPERATURE (°F)	75.0'	DRY BULB TEMPERATURE (°F)	27.7	DRY BULB TEMPERATURE (°F)	72.0'
WET BULB TEMPERATURE (°F)	76.8'	WET BULB TEMPERATURE (°F)	62.5'	WET BULB TEMPERATURE (°F)	23.3'	WET BULB TEMPERATURE (°F)	55.7'
HEAT EXCHANGER SUPPLY DATA		HEAT EXCHANGER EXHAUST DATA		HEAT EXCHANGER SUPPLY DATA		HEAT EXCHANGER EXHAUST DATA	
DRY BULB TEMPERATURE (°F)	79.7'	DRY BULB TEMPERATURE (°F)	89.4'	DRY BULB TEMPERATURE (°F)	60.0'	DRY BULB TEMPERATURE (°F)	38.7'
WET BULB TEMPERATURE (°F)	66.7'	WET BULB TEMPERATURE (°F)	73.6'	WET BULB TEMPERATURE (°F)	48.1'	WET BULB TEMPERATURE (°F)	33.2'
UNIT ELECTRICAL DATA				UNIT AHRI RATINGS			
VOLTAGE-PHASE-FREQUENCY	460-3-60	UNIT MINIMUM EER	10.8	SUPPLY FAN FRPM	2,096	EXHAUST FAN FRPM	1,569
UNIT MCA (AMPS)	33.7	UNIT MINIMUM IEER	18.2	SUPPLY EFFICIENCY	PE	EXHAUST EFFICIENCY	PE
UNIT MOP (AMPS)	45.0			SUPPLY ENCLOSURE	ODP	EXHAUST ENCLOSURE	ODP

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- ⑦ UNIT TO INCLUDE ROTATION SENSOR AND VAPOR TIGHT LIGHTS.
- ⑧ SUBMITTAL TO INCLUDE WINTER LEAVING AIR TEMPERATURE MINIMUM OF 72°F.
- ⑨ SUBMITTAL TO INCLUDE ASHRAE SUMMER DESIGN (94.1/76.8'), DEHUMIDIFICATION (83.4/79.3'), AND EVAPORATION (88.5/80.1') DESIGN FOR OUTSIDE AIR CONDITIONS.
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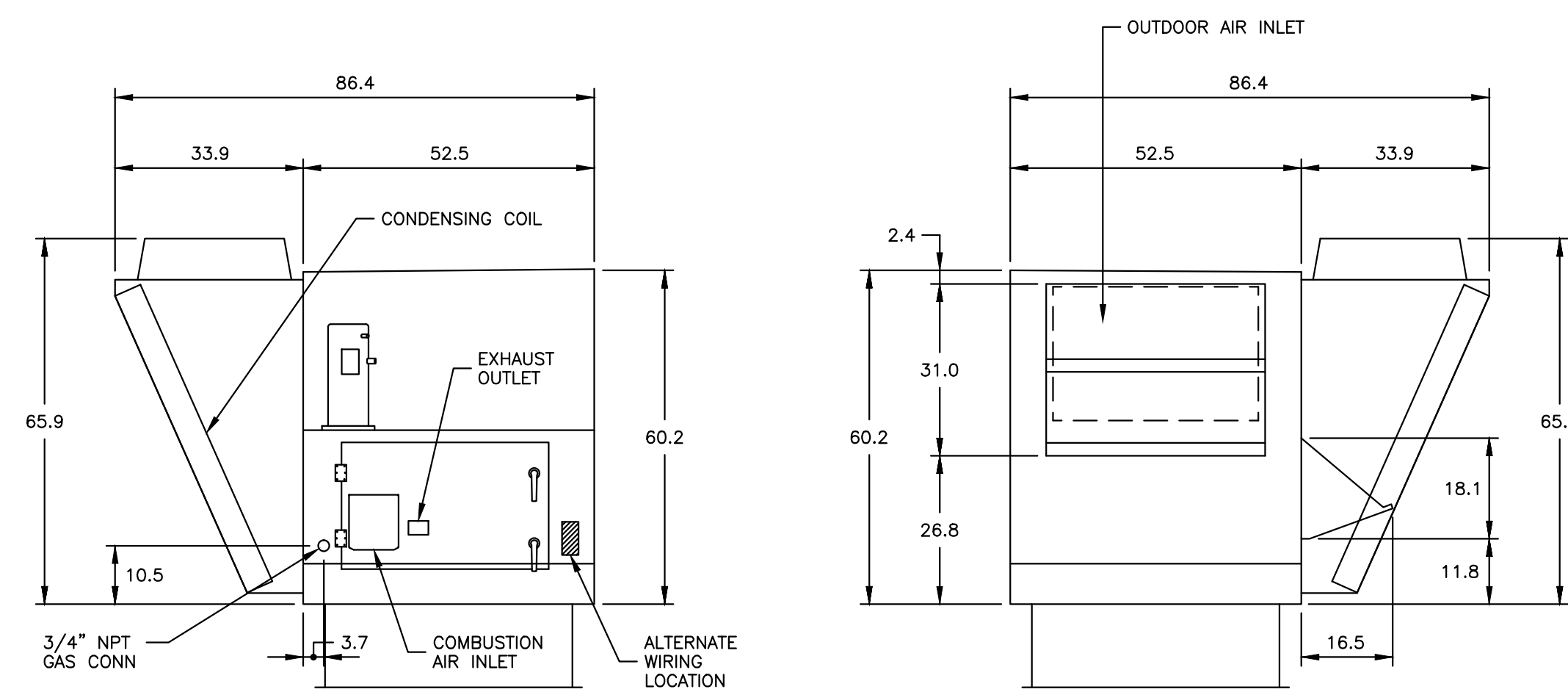
APPROVED EQUALS: AAO, SEMCO, TRANE, VALENT, AND VENMAR

REFERENCE UNIT IOM'S FOR THE CORRECT DUCT FLANGE SIZE. DUCT FLANGES ARE LARGER THAN OPENING SIZE SHOWN.

NOTE: ALL DIMENSIONS ARE IN INCHES

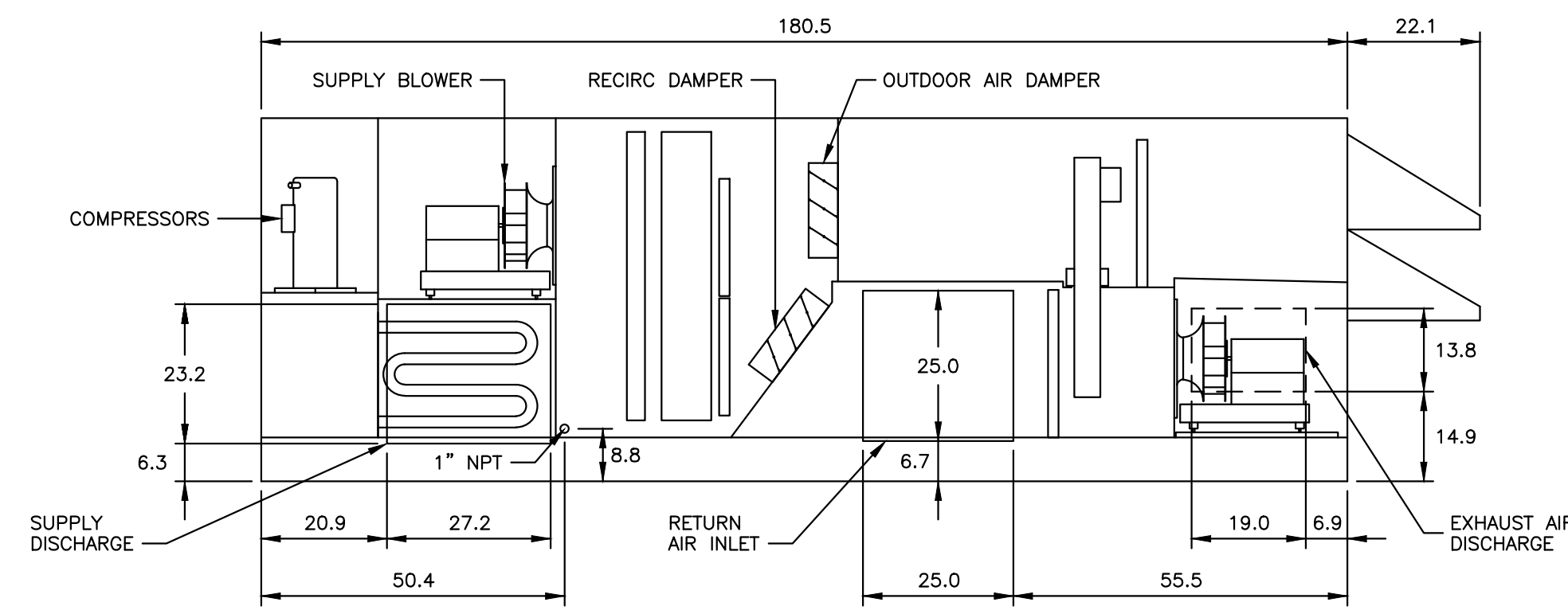


ELECTRICAL CONNECTIONS



LEFT END VIEW

RIGHT END VIEW



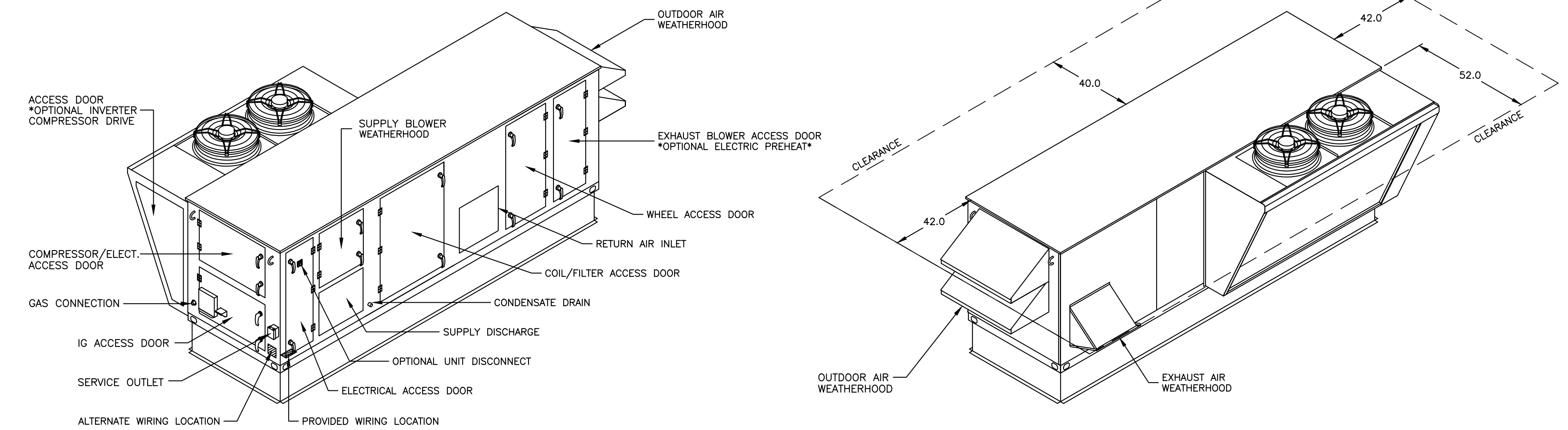
ELEVATION VIEW

**TOTAL ENERGY RECOVERY UNIT DETAILS
RVE-40-36D-12.5I-C-J1 (RTU-2 / RTU-3)**

NOT TO SCALE

ALL INDOOR AND OUTDOOR UNITS SHALL BE LOCATED SO THAT MAINTENANCE CLEARANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION AND AS PER PLANS/SPECIFICATIONS ARE MAINTAINED. COORDINATE MAINTENANCE CLEARANCES WITH STRUCTURAL AND ARCHITECTURAL PLANS, FRAMING, ETC.

NOTE: ALL DIMENSIONS ARE IN INCHES



ISOMETRIC VIEWS - TOTAL ENERGY RECOVERY UNIT - RVE-40-36D-12.5I-C-J1 (RTU-2 / RTU-3)

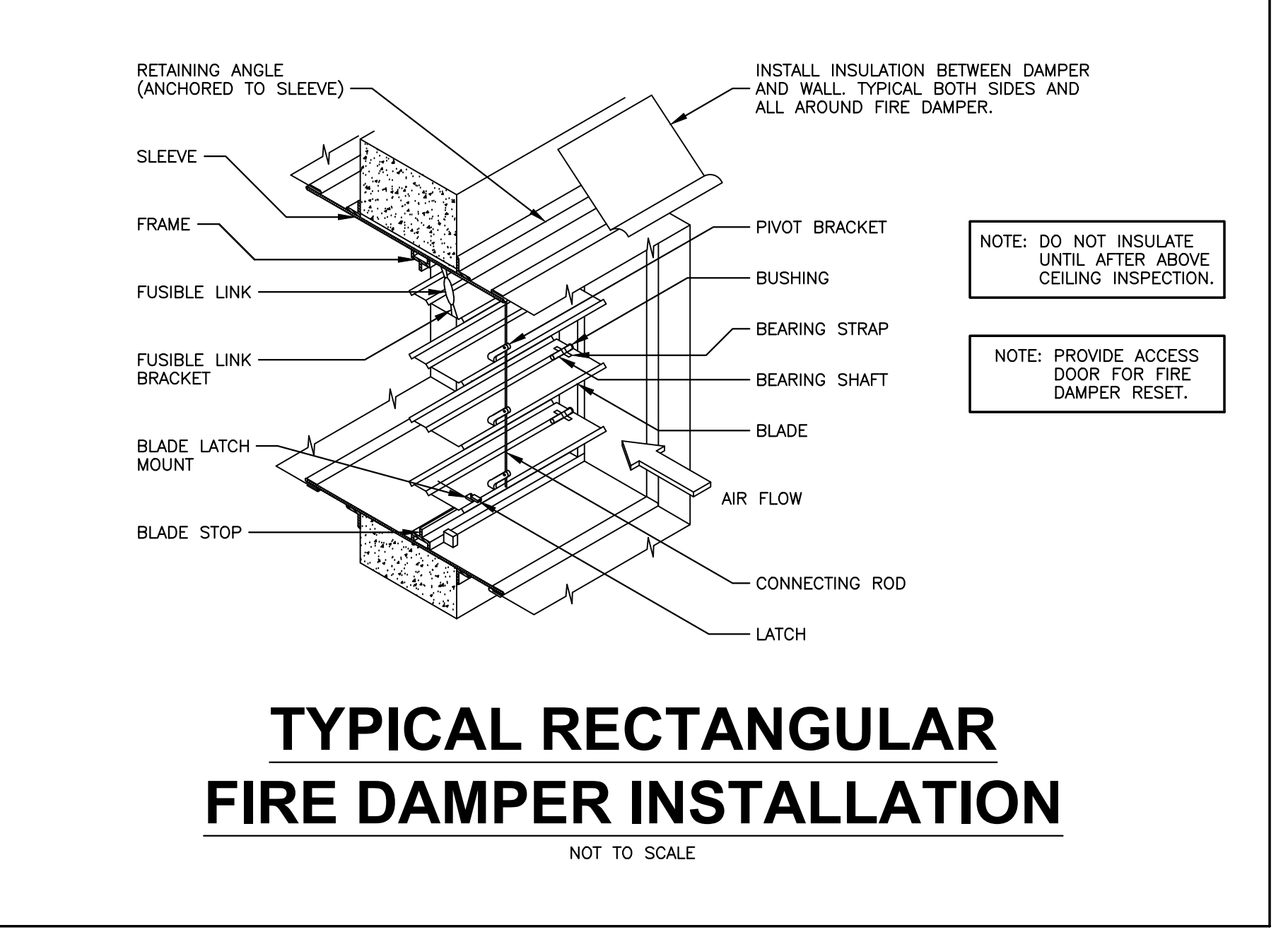
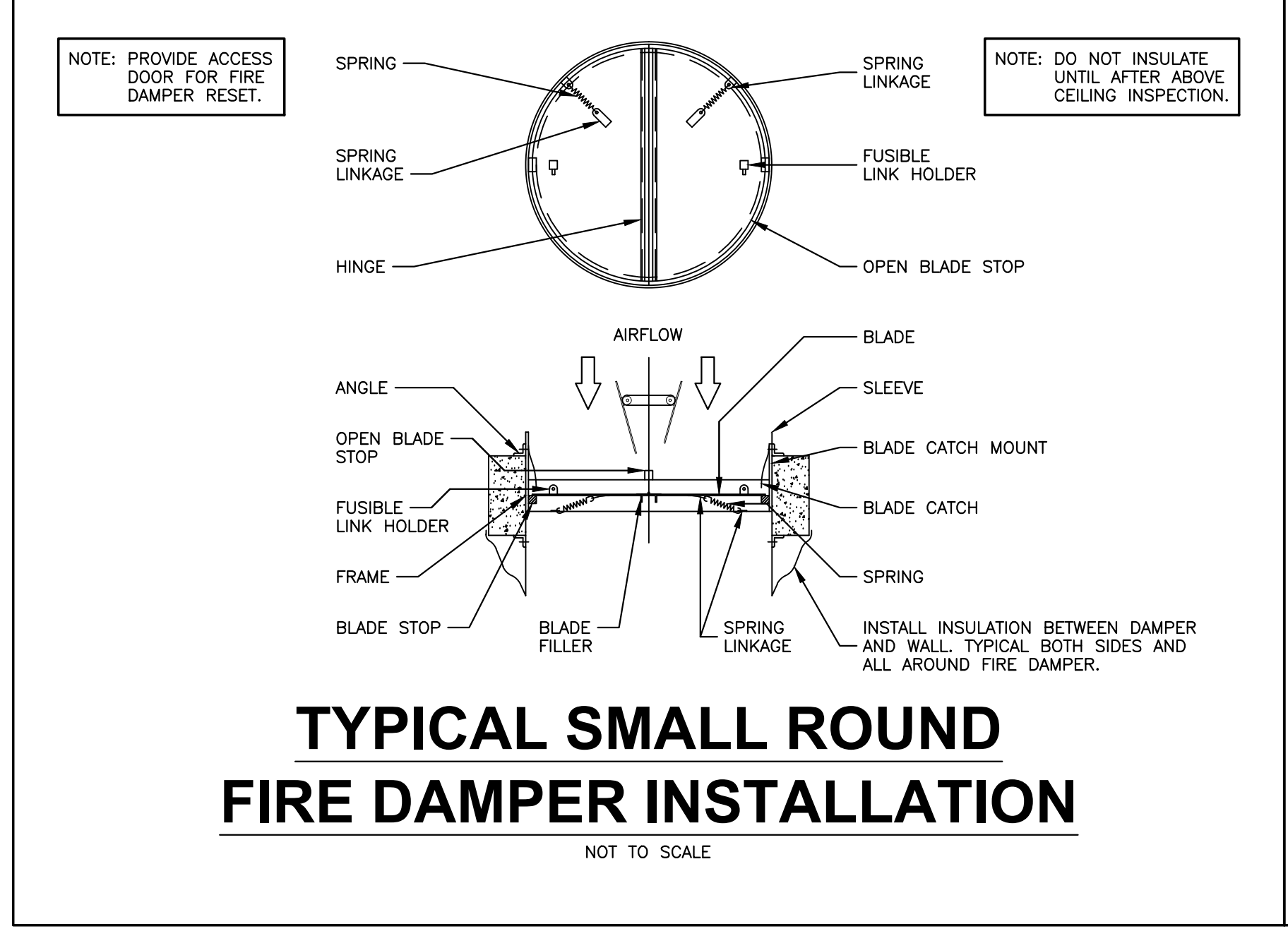
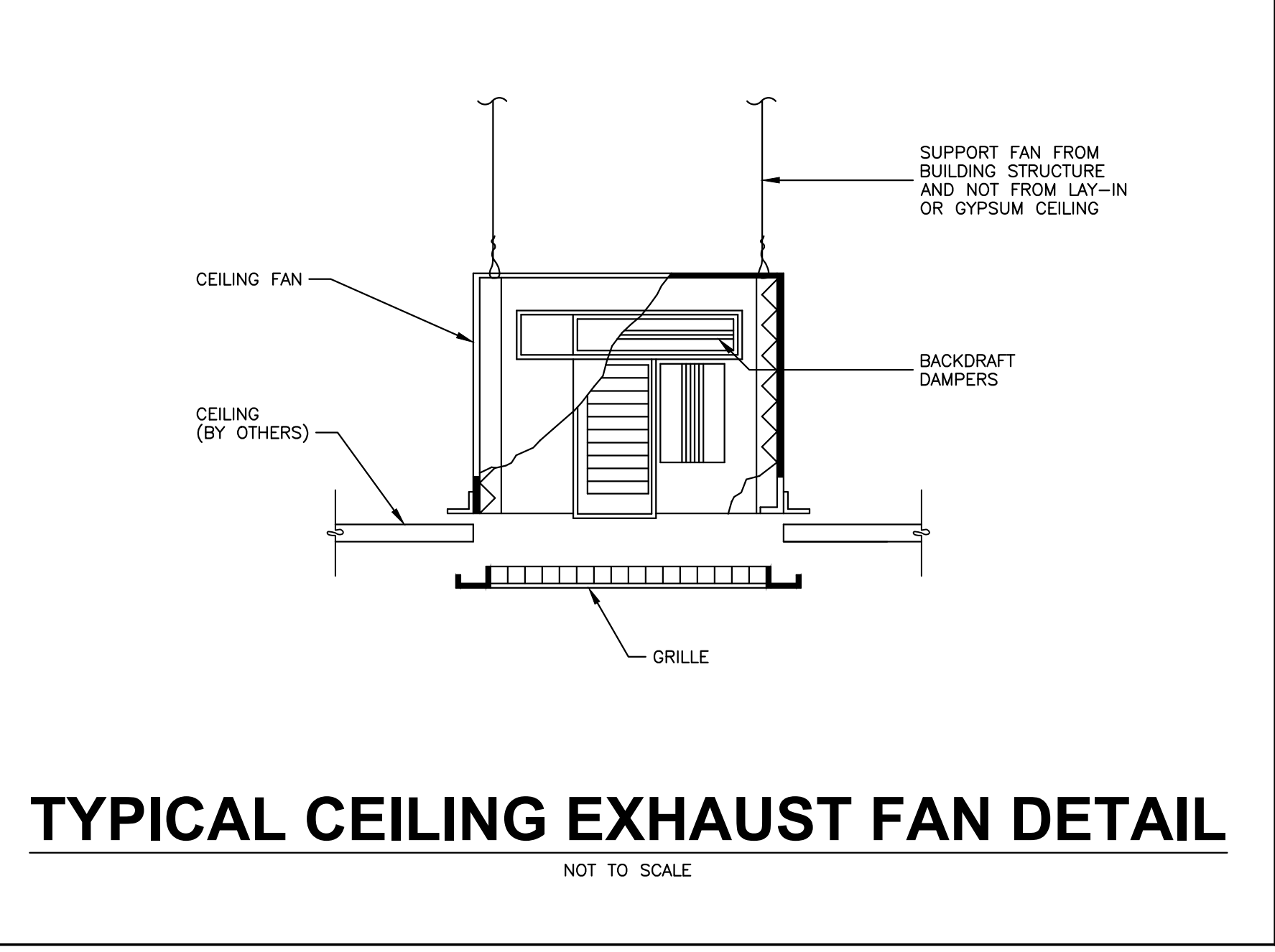
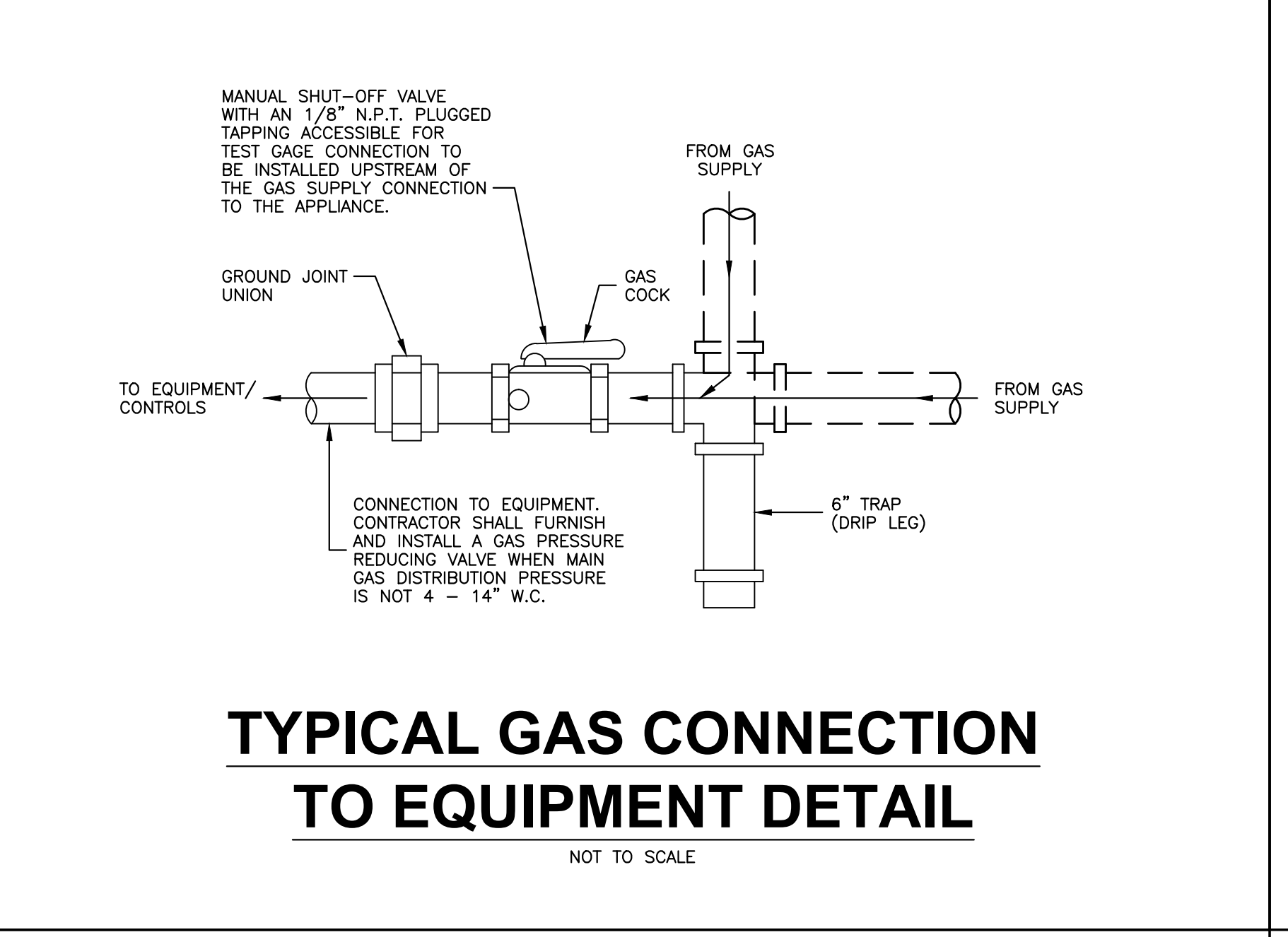
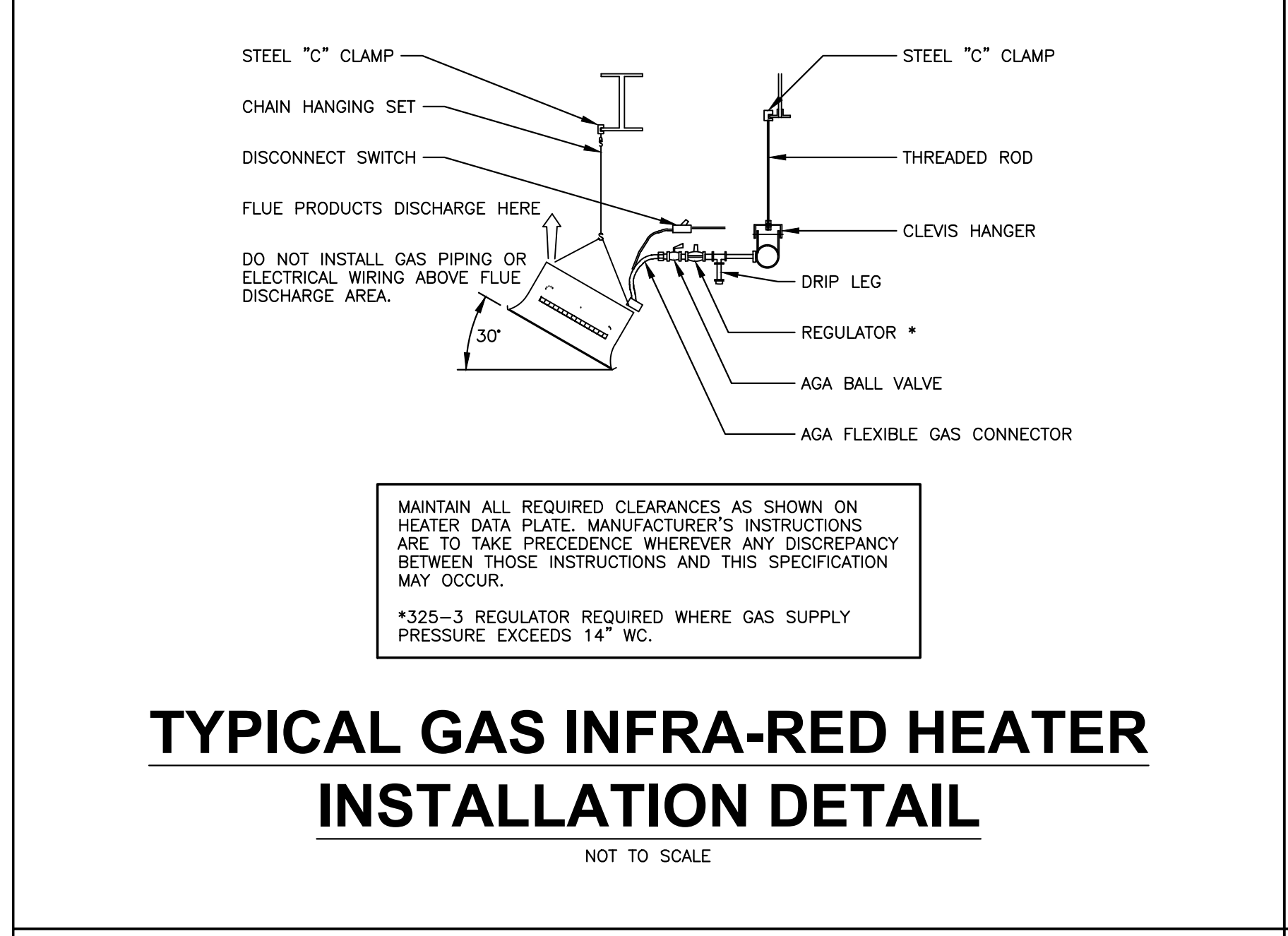
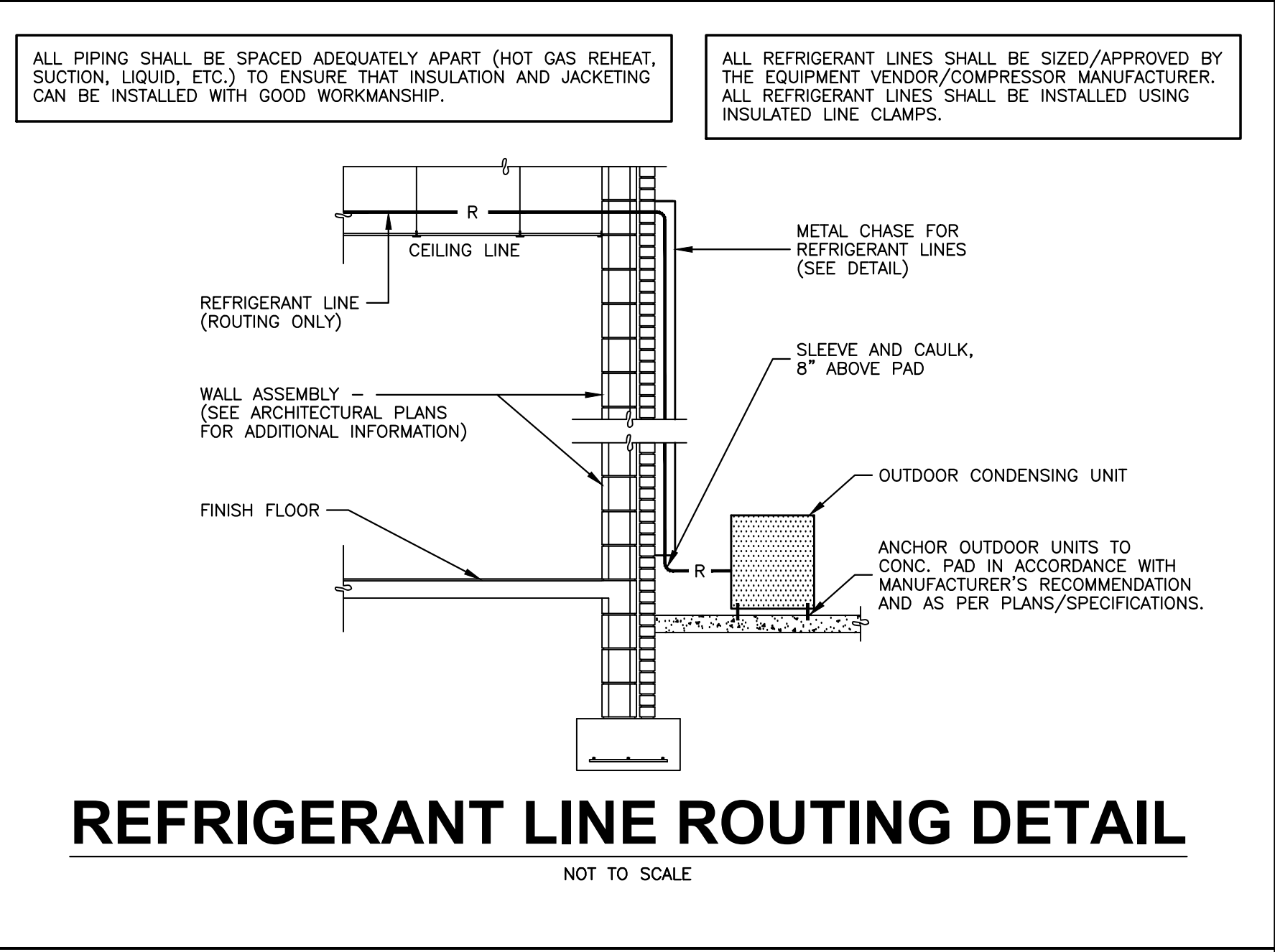
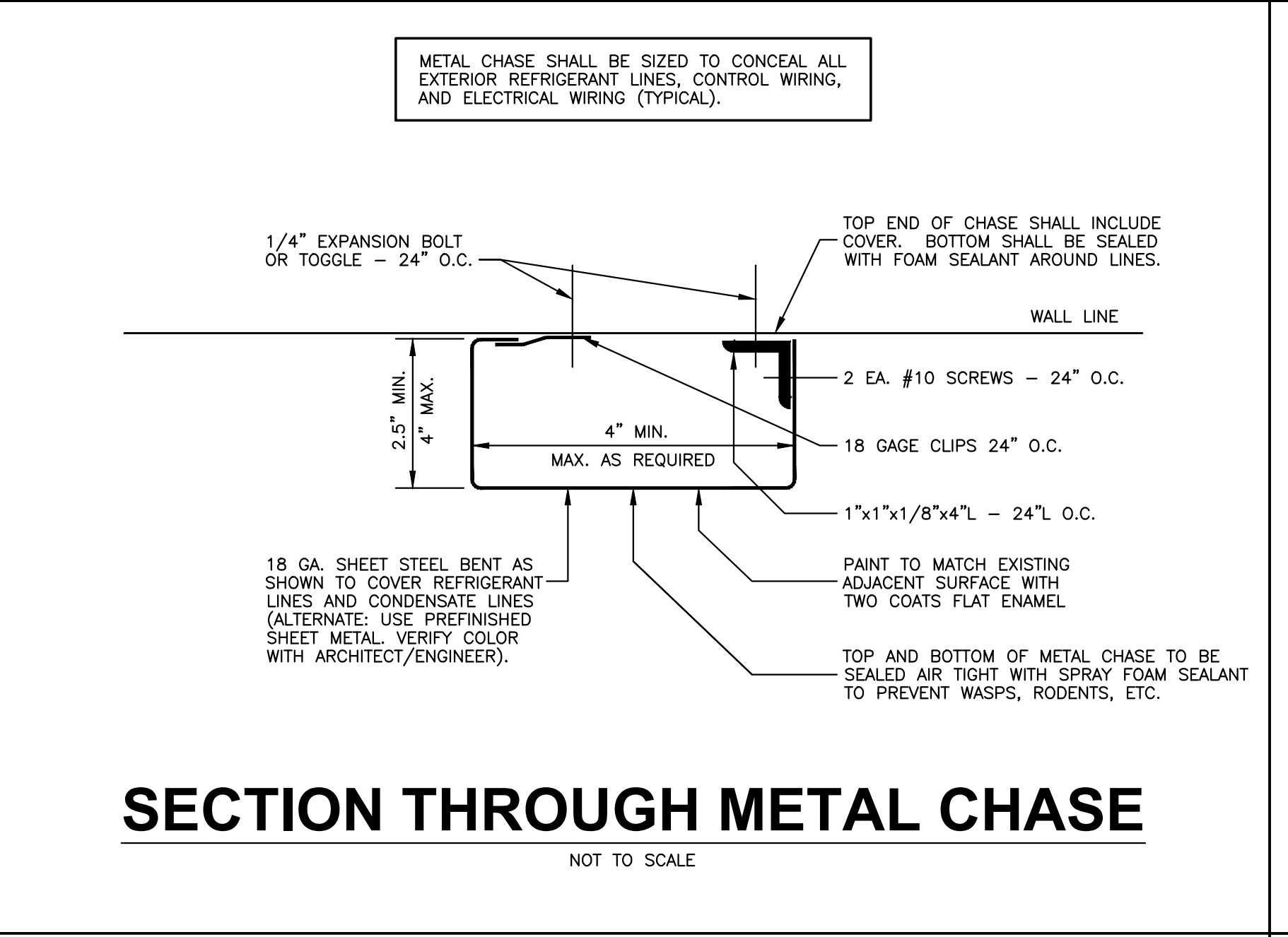
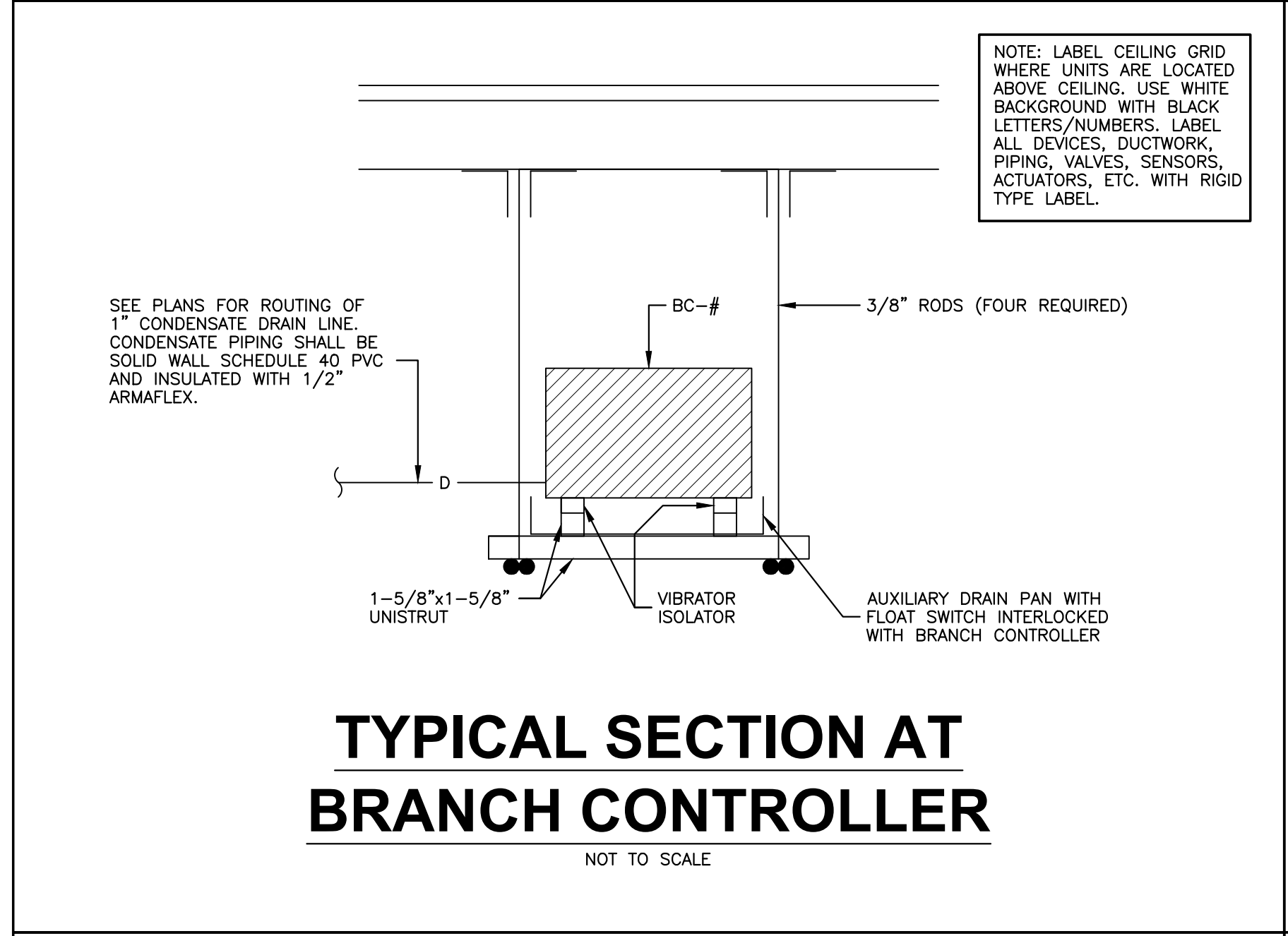
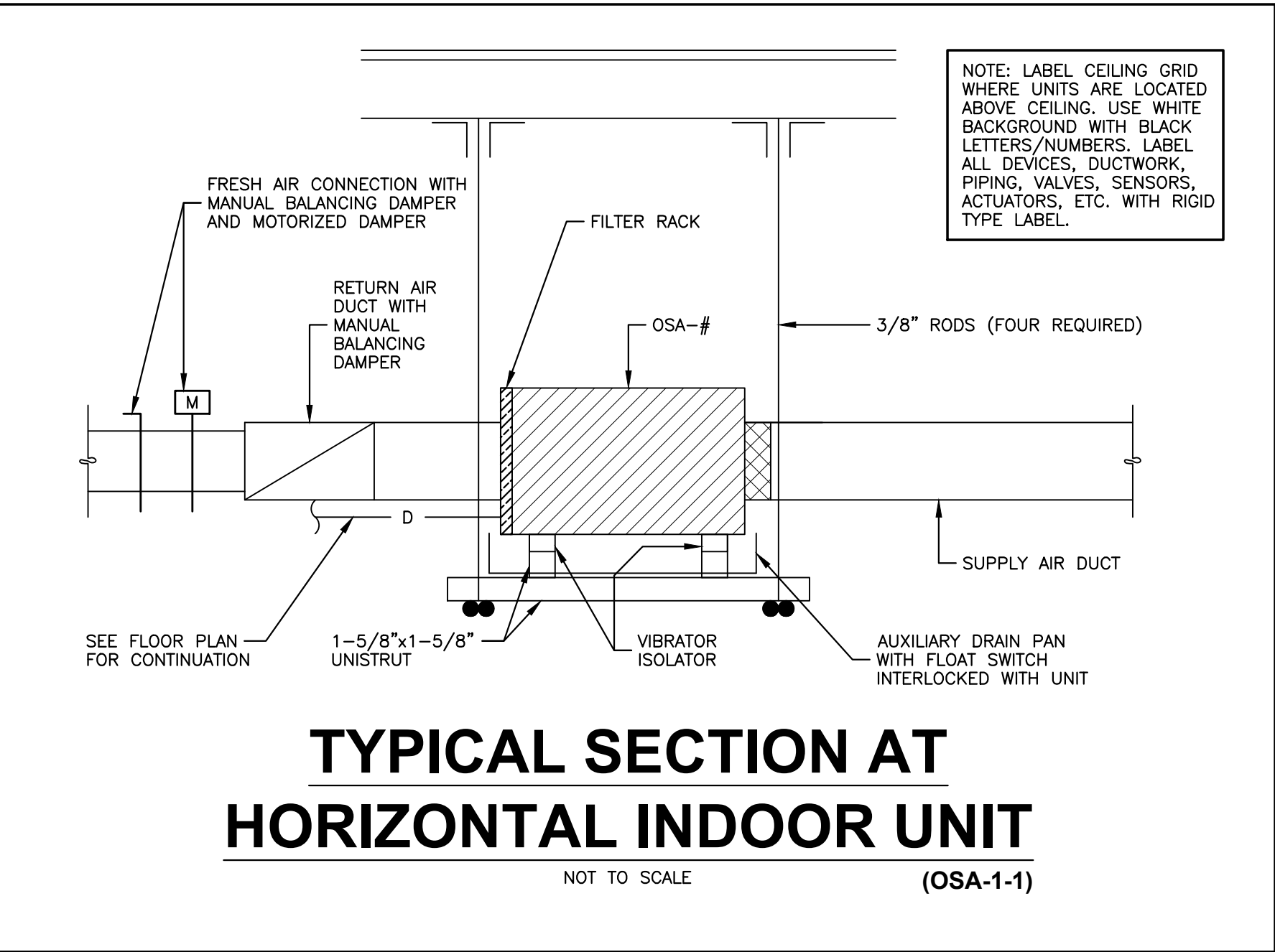
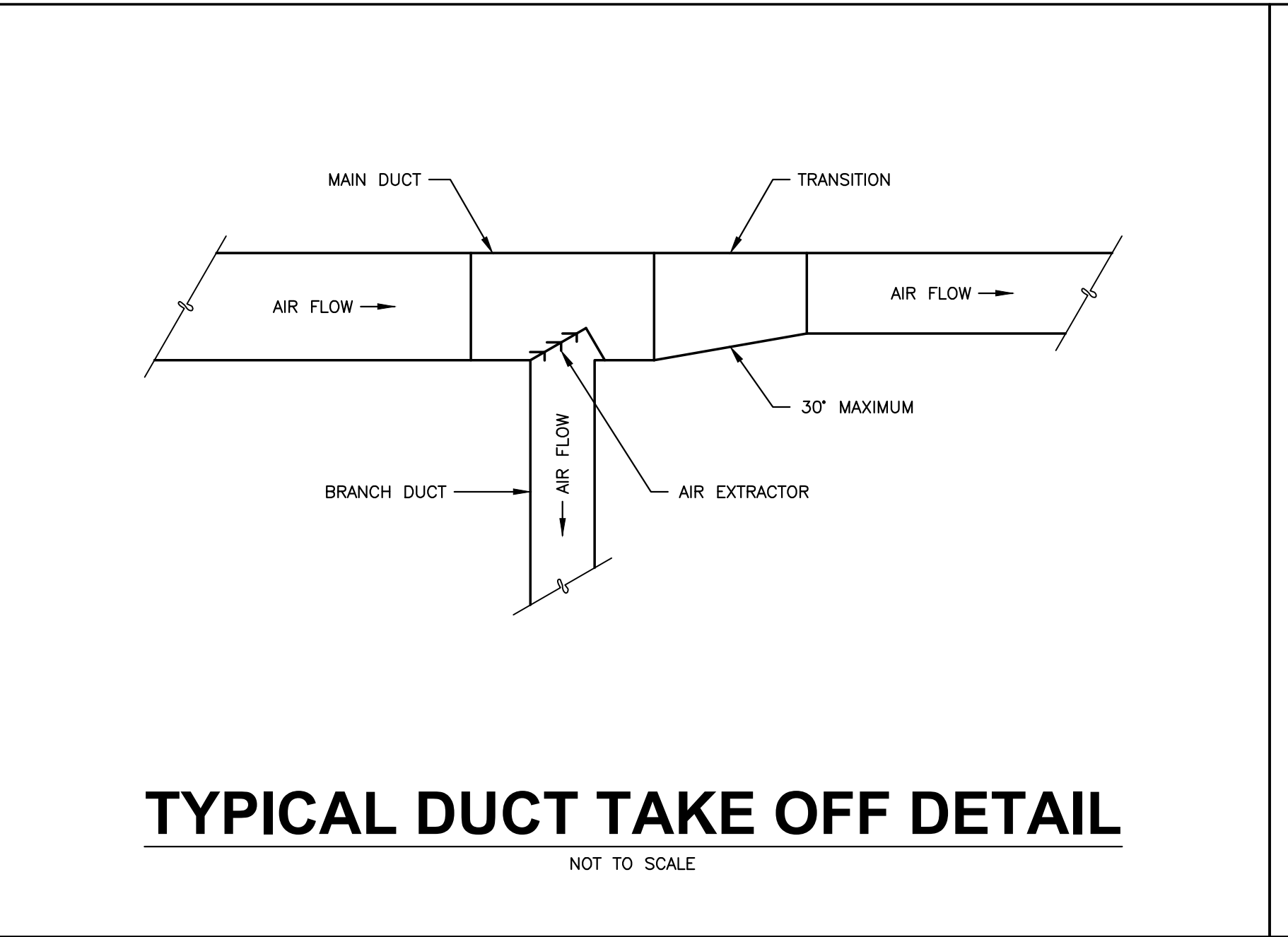
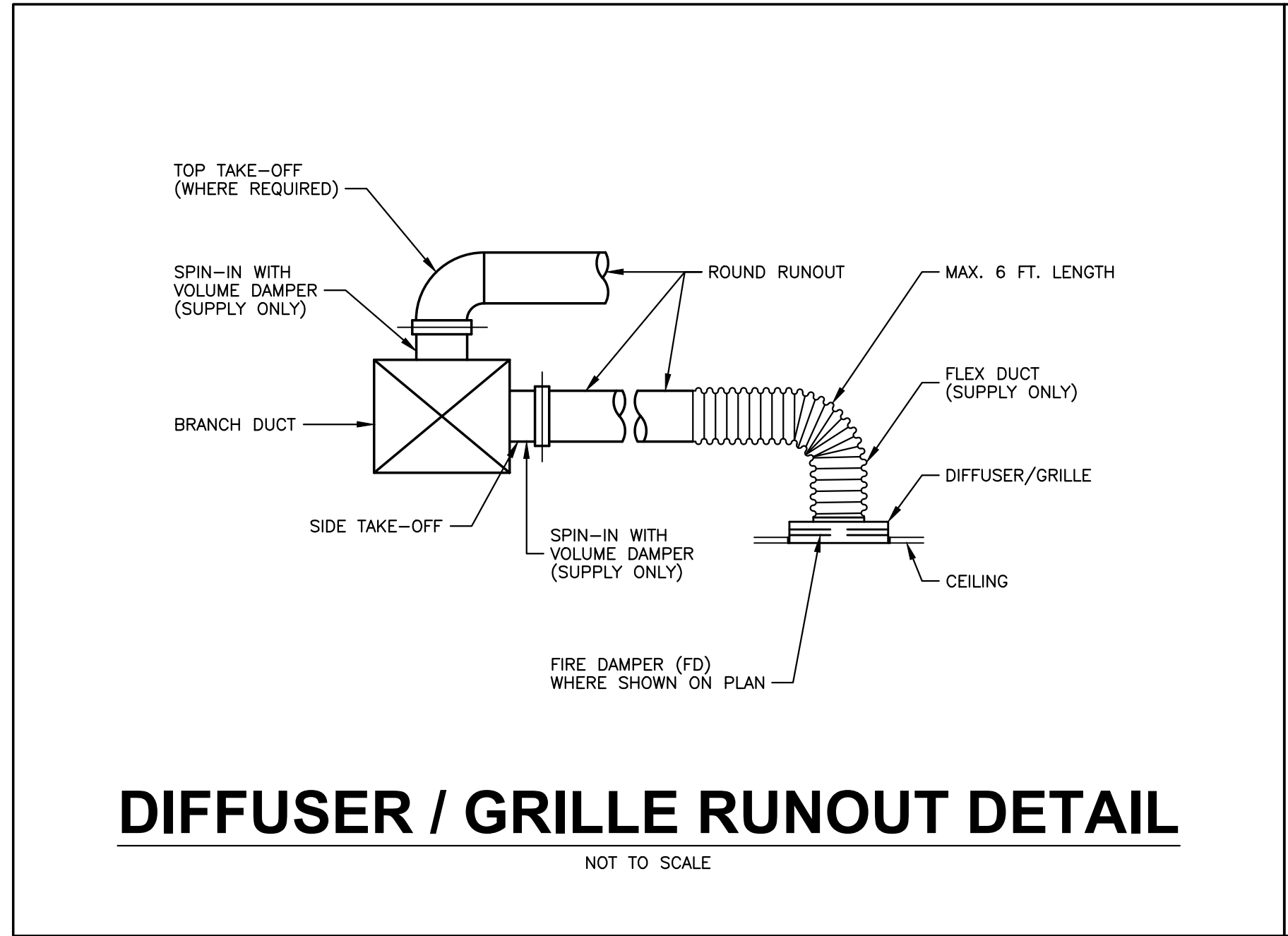
NOT TO SCALE

HVAC SCHEDULES AND DETAILS

WHORTON ENGINEERING, INC.
HVAC - PLUMBING - PROCESS CONTROL

Randall Whorton
RANDALL WHORTON, P.E.
PHONE: (256) 820-9897





HVAC DETAILS

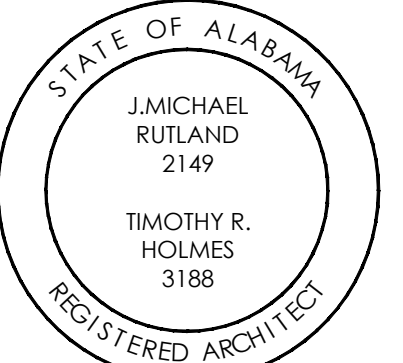
WHORTON ENGINEERING, INC.
HVAC - PLUMBING - PROCESS CONTROL

Randall Whorton
RANDALL WHORTON, P.E.
PHONE: (256) 820-9897

DATE: 06-03-2024
25 SUMMERBALL GATE ROAD
ANNISTON, ALABAMA 36205

WHORTON ENGINEERING PROJECT NO. 23198

JMR+H
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445 Dexter Avenue
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Montgomery, AL 36104
Phone: (334) 420-5672
Fax: (334) 420-5692



CHOCTAW COUNTY JAIL BUTLER, ALABAMA

CONSTRUCTION DOCUMENTS

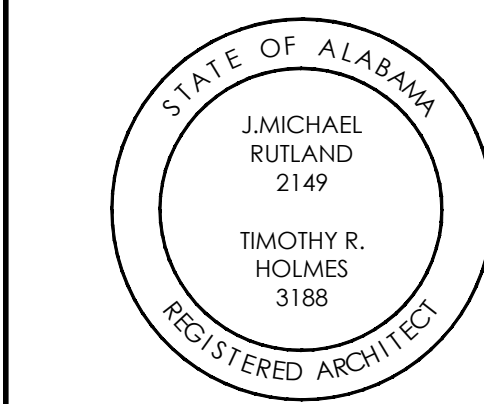
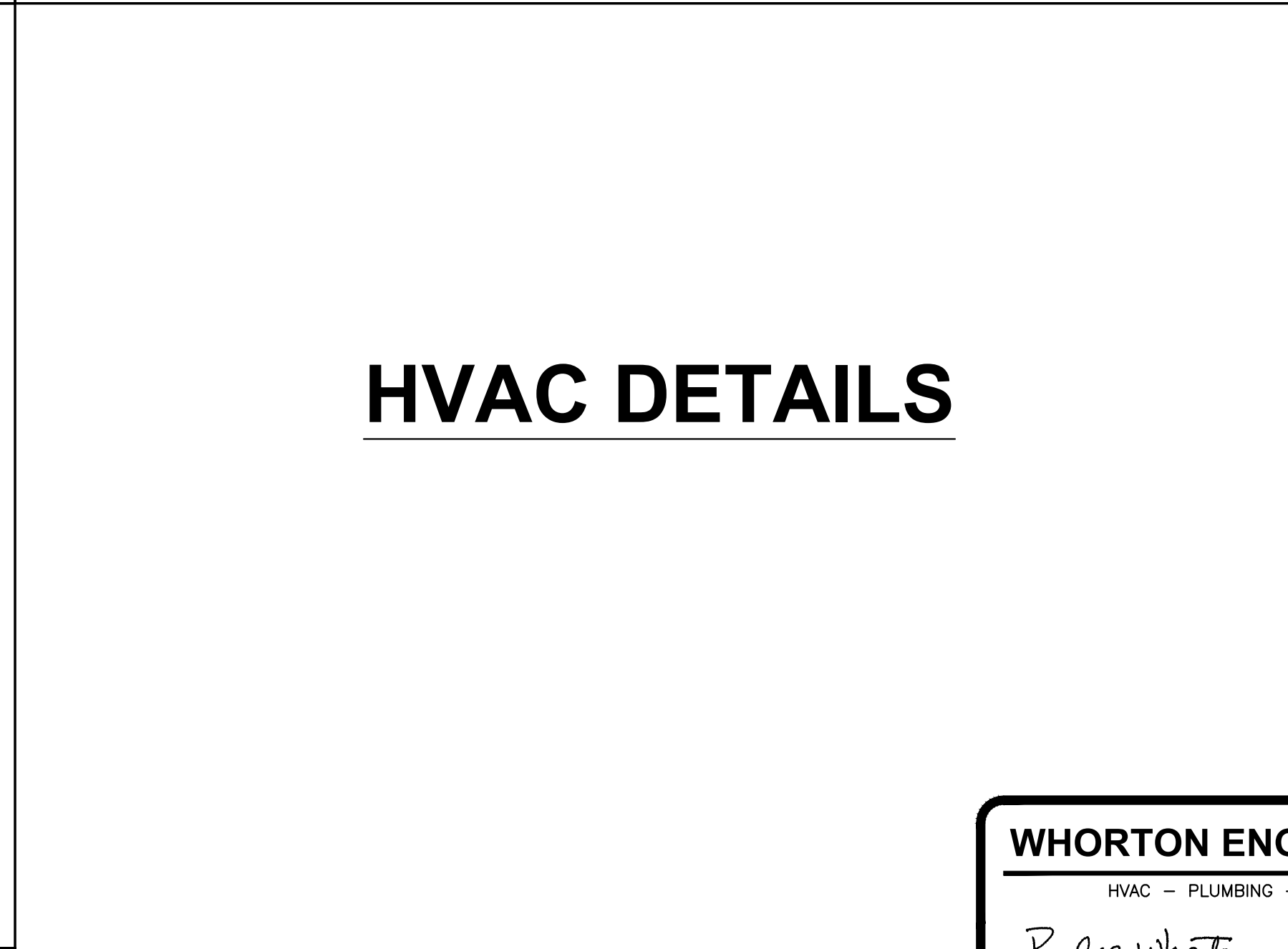
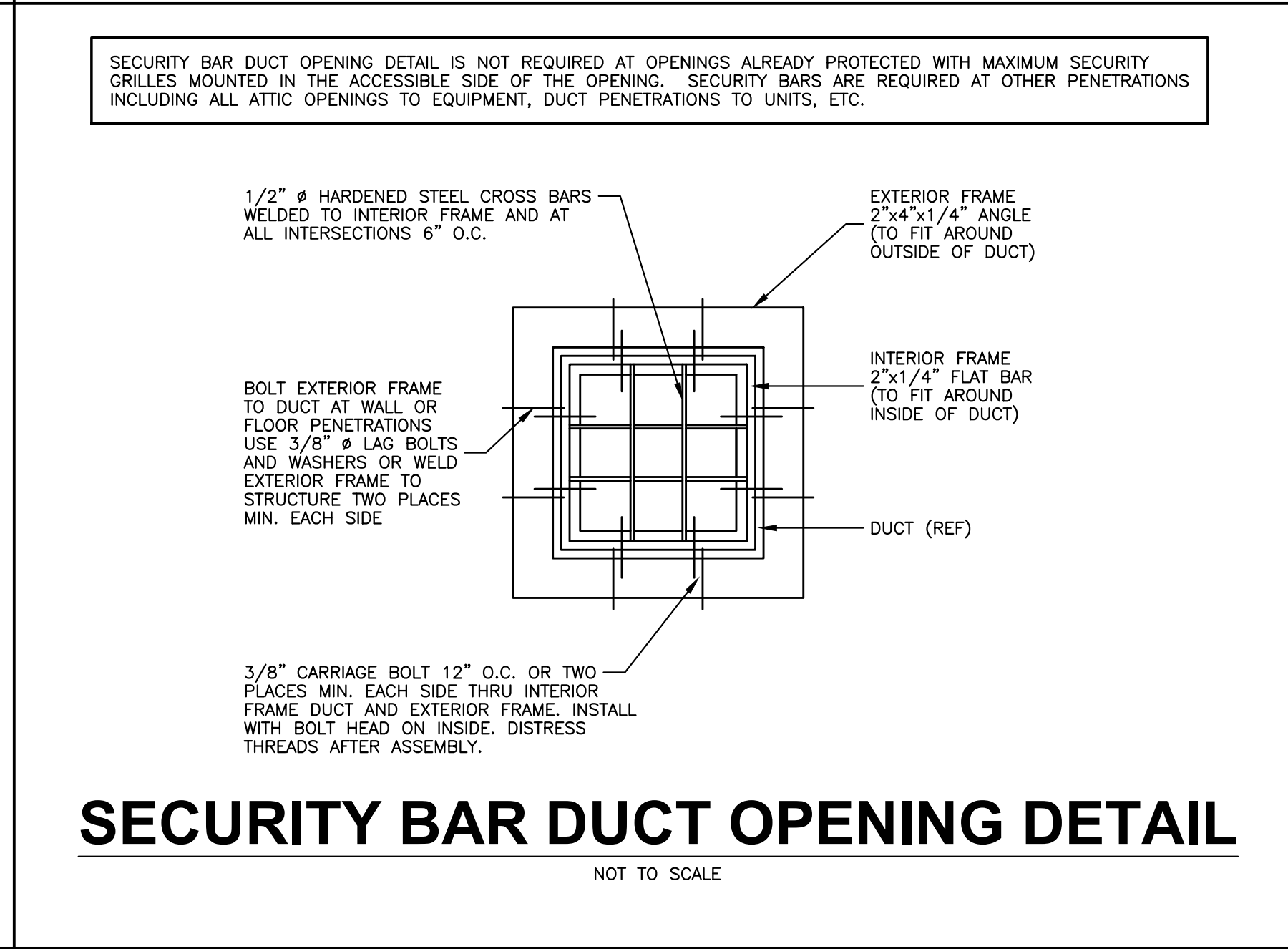
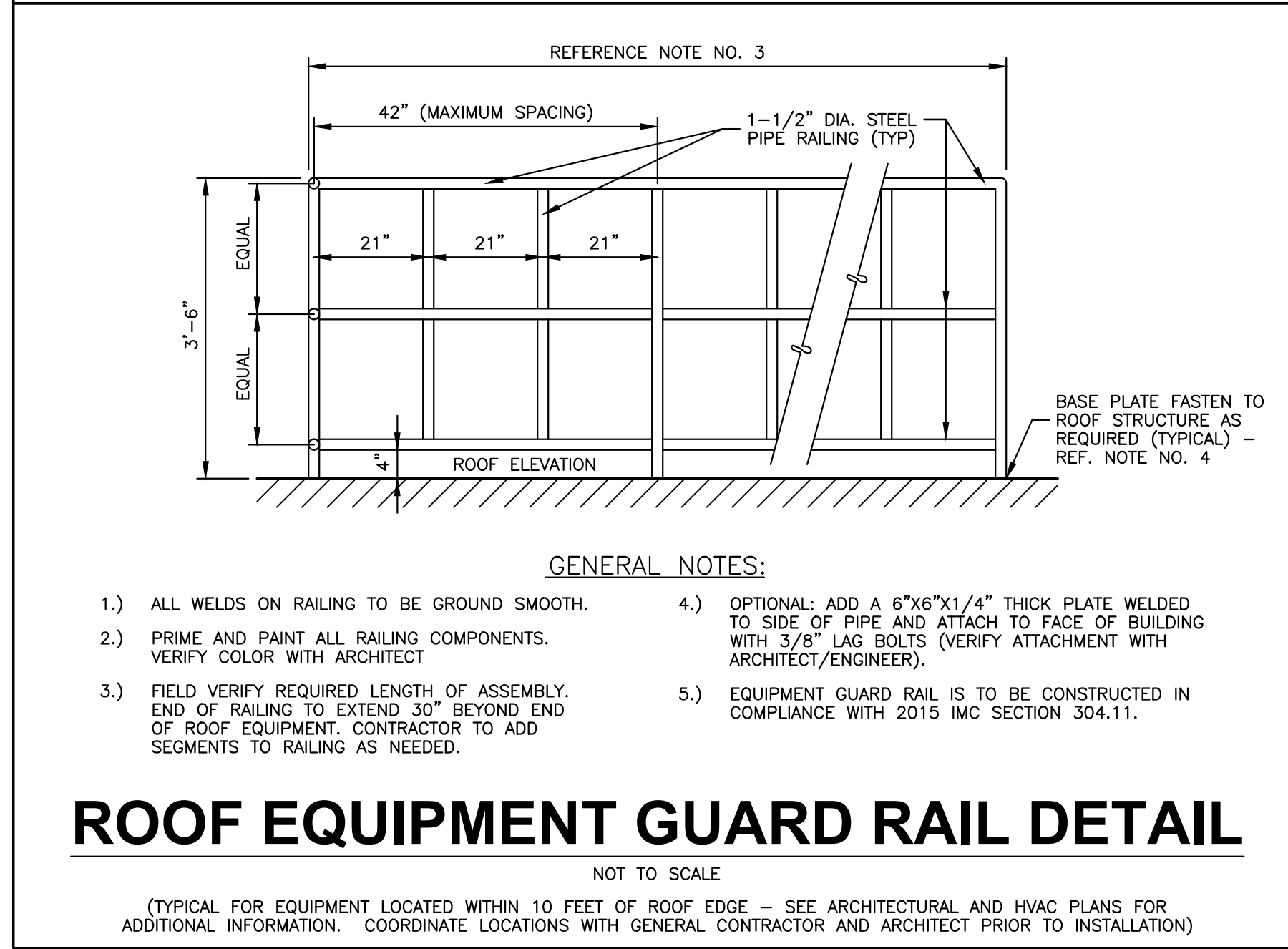
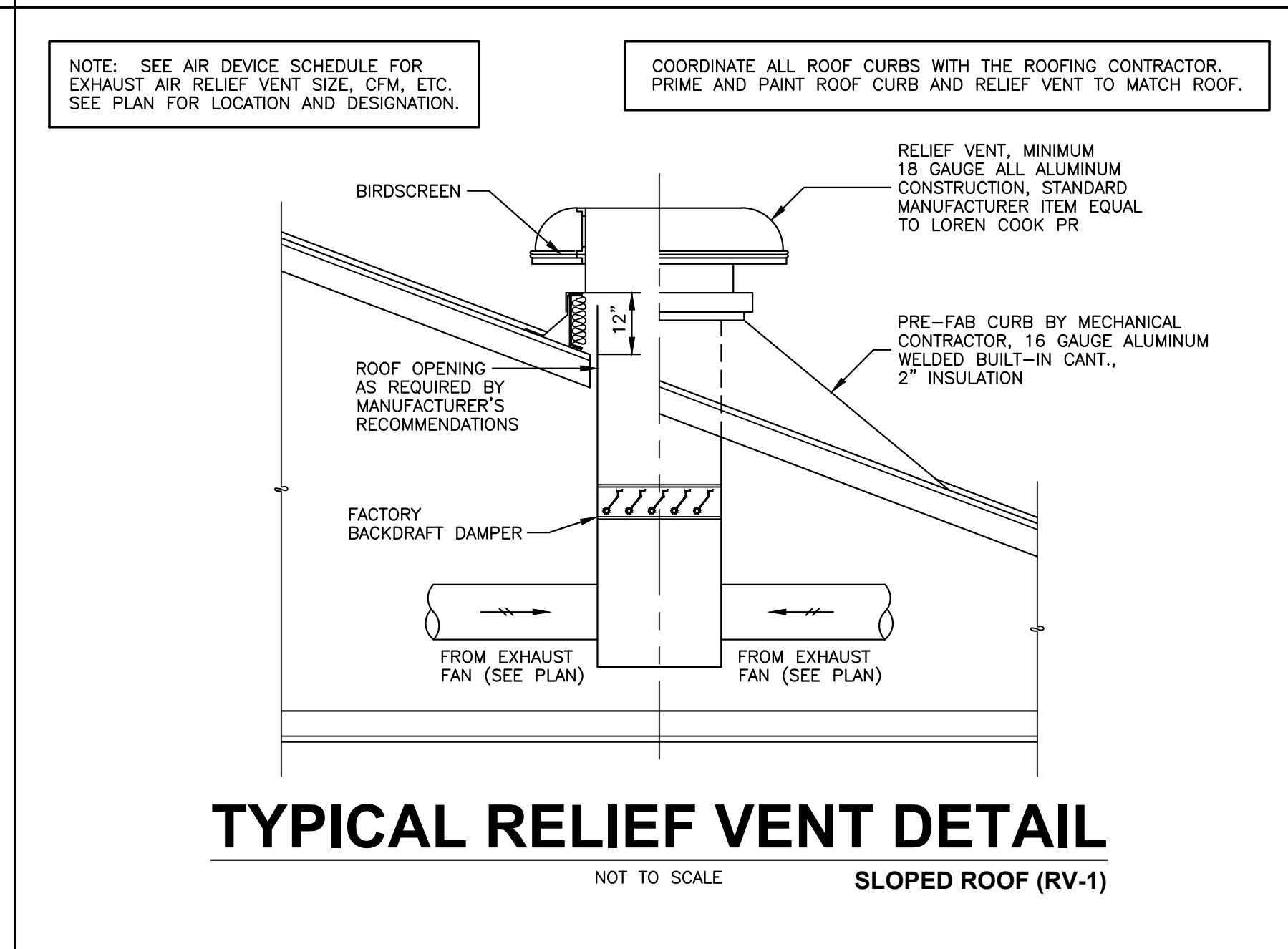
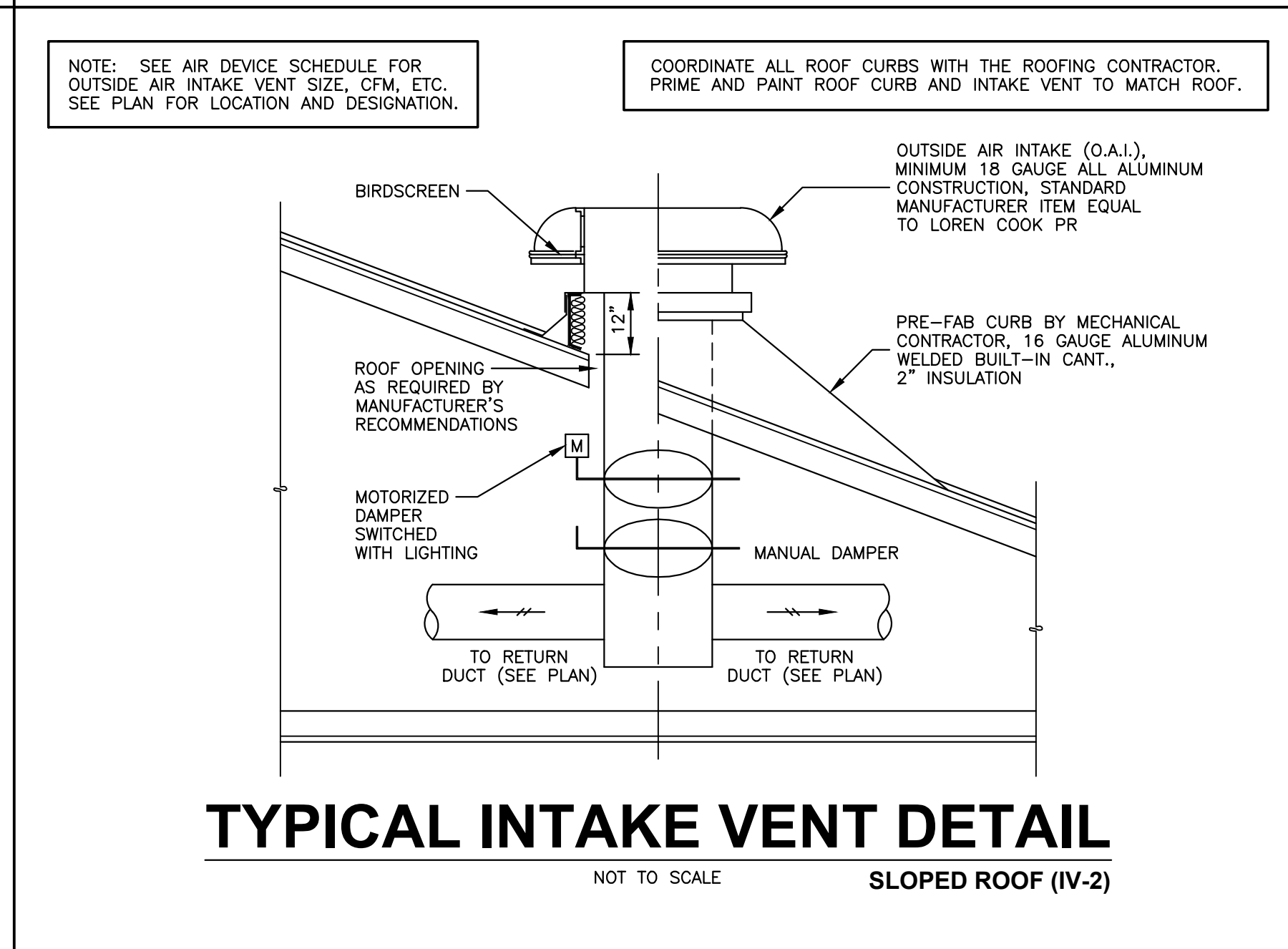
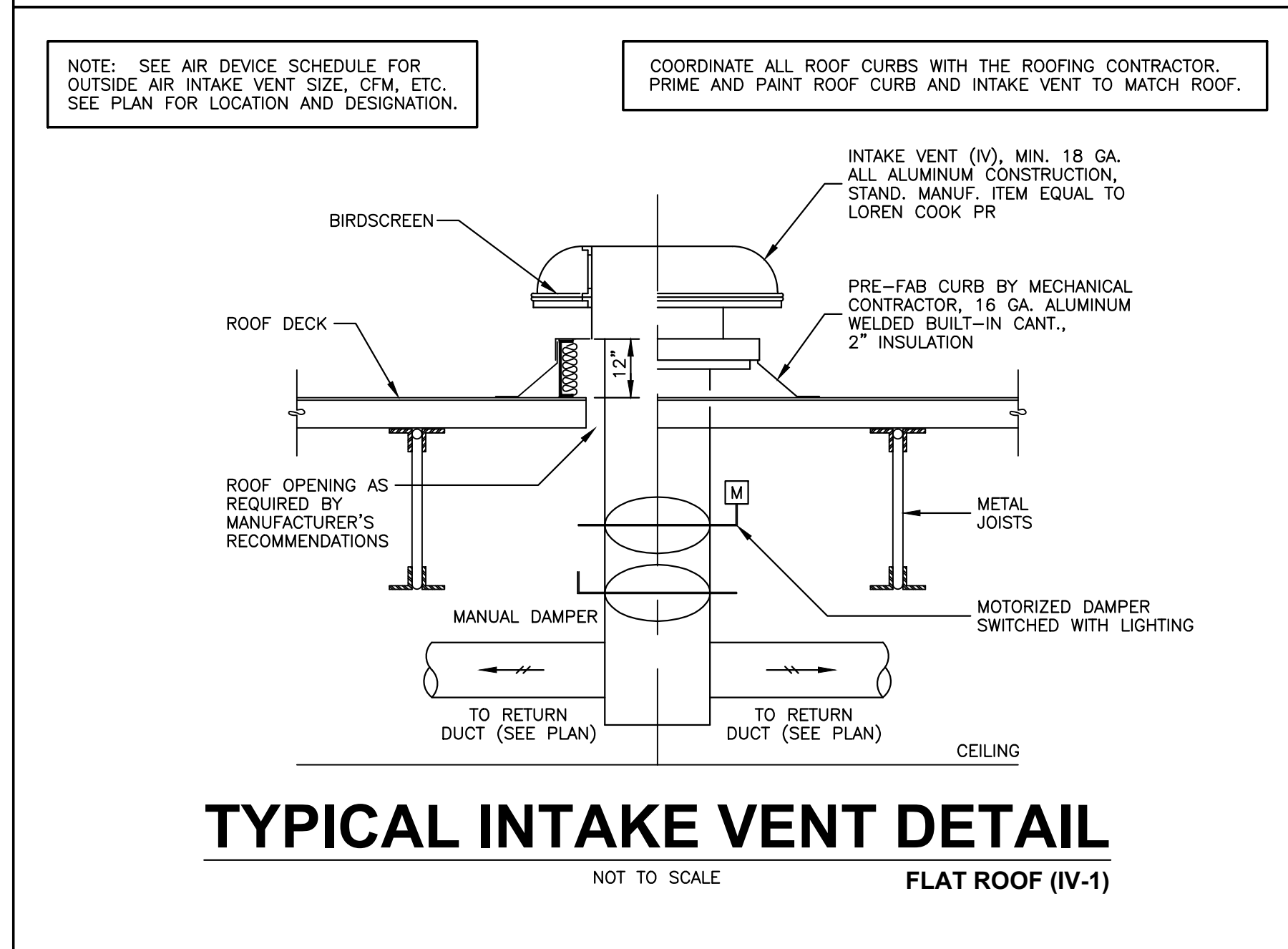
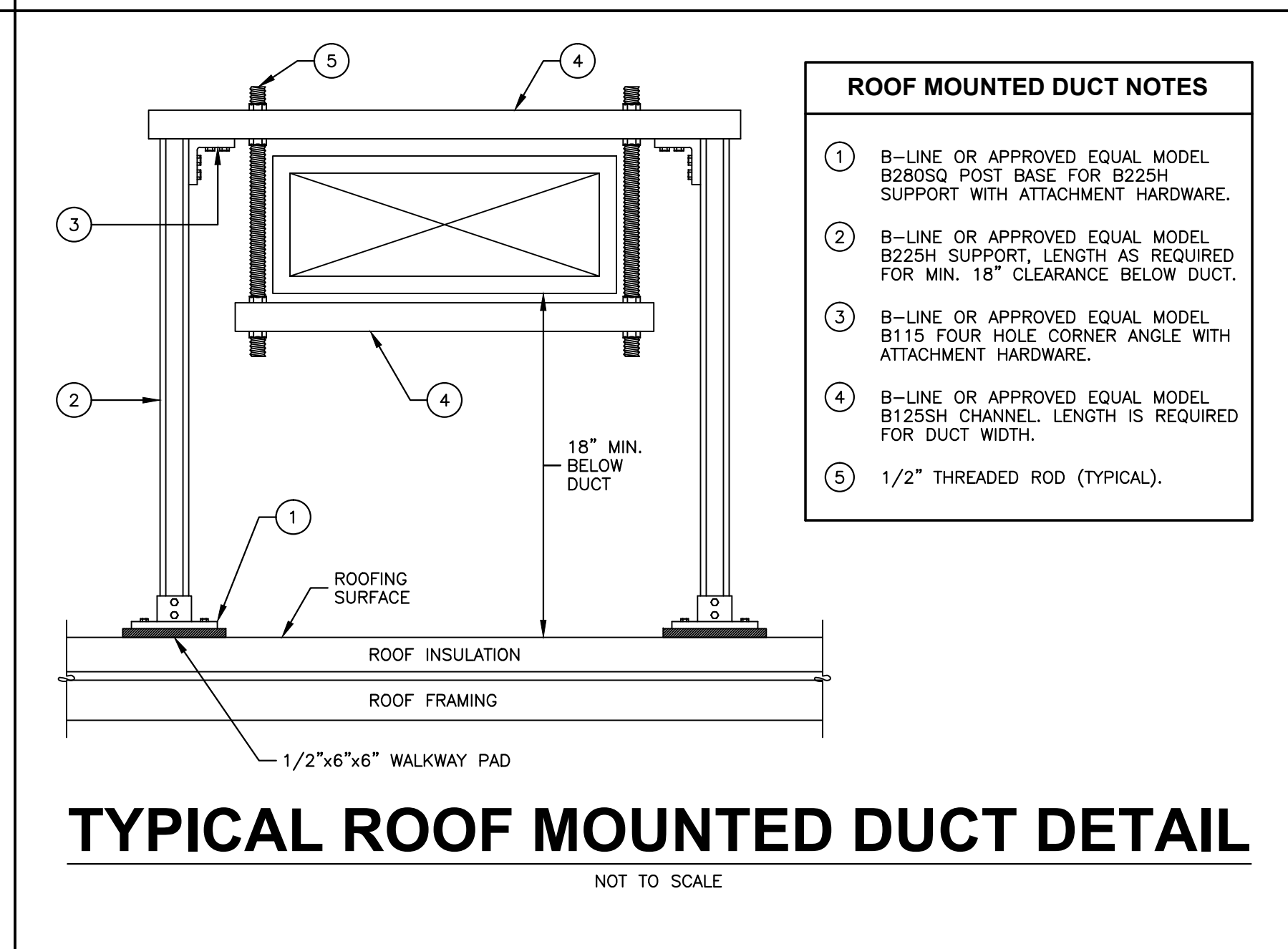
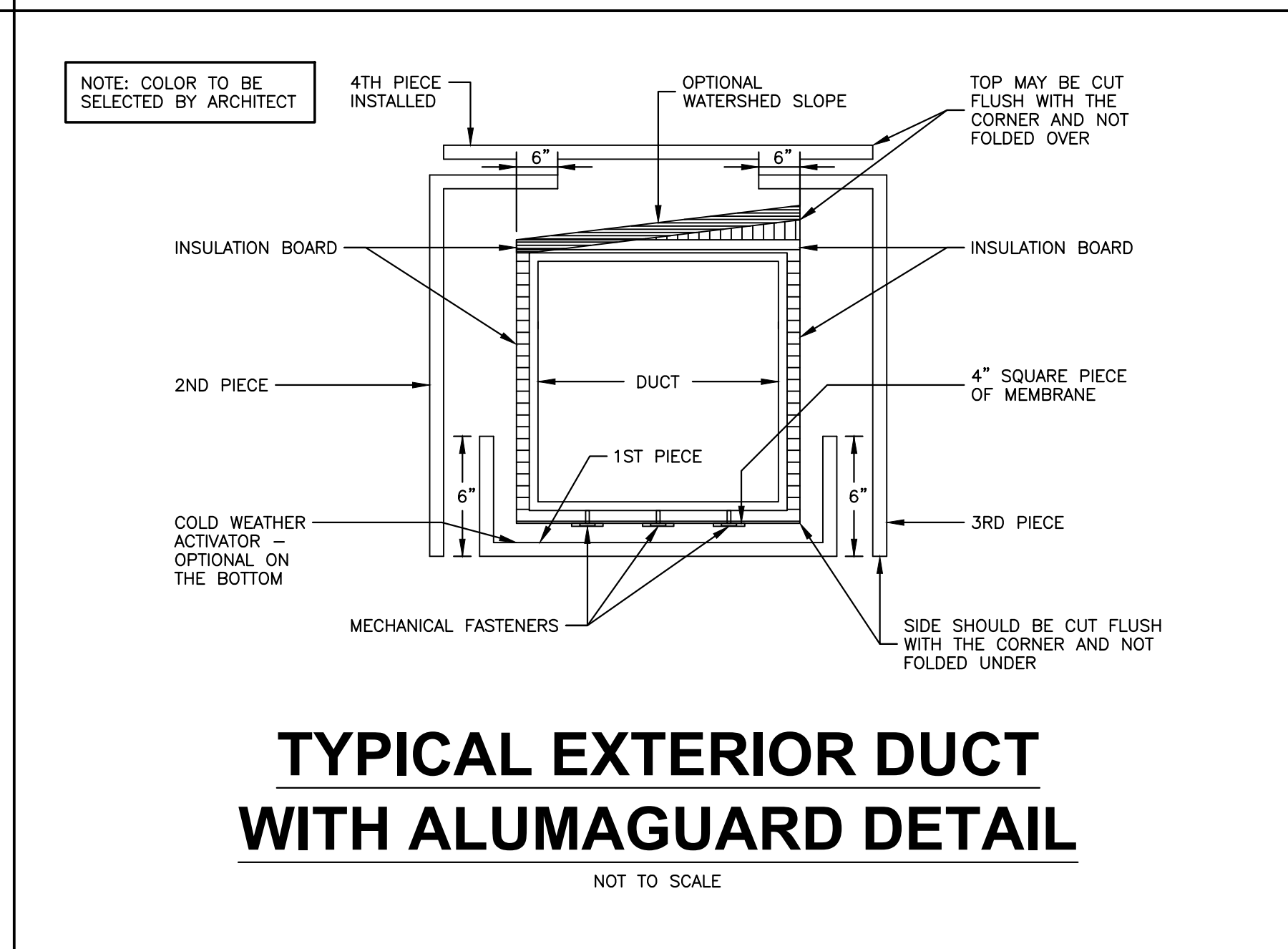
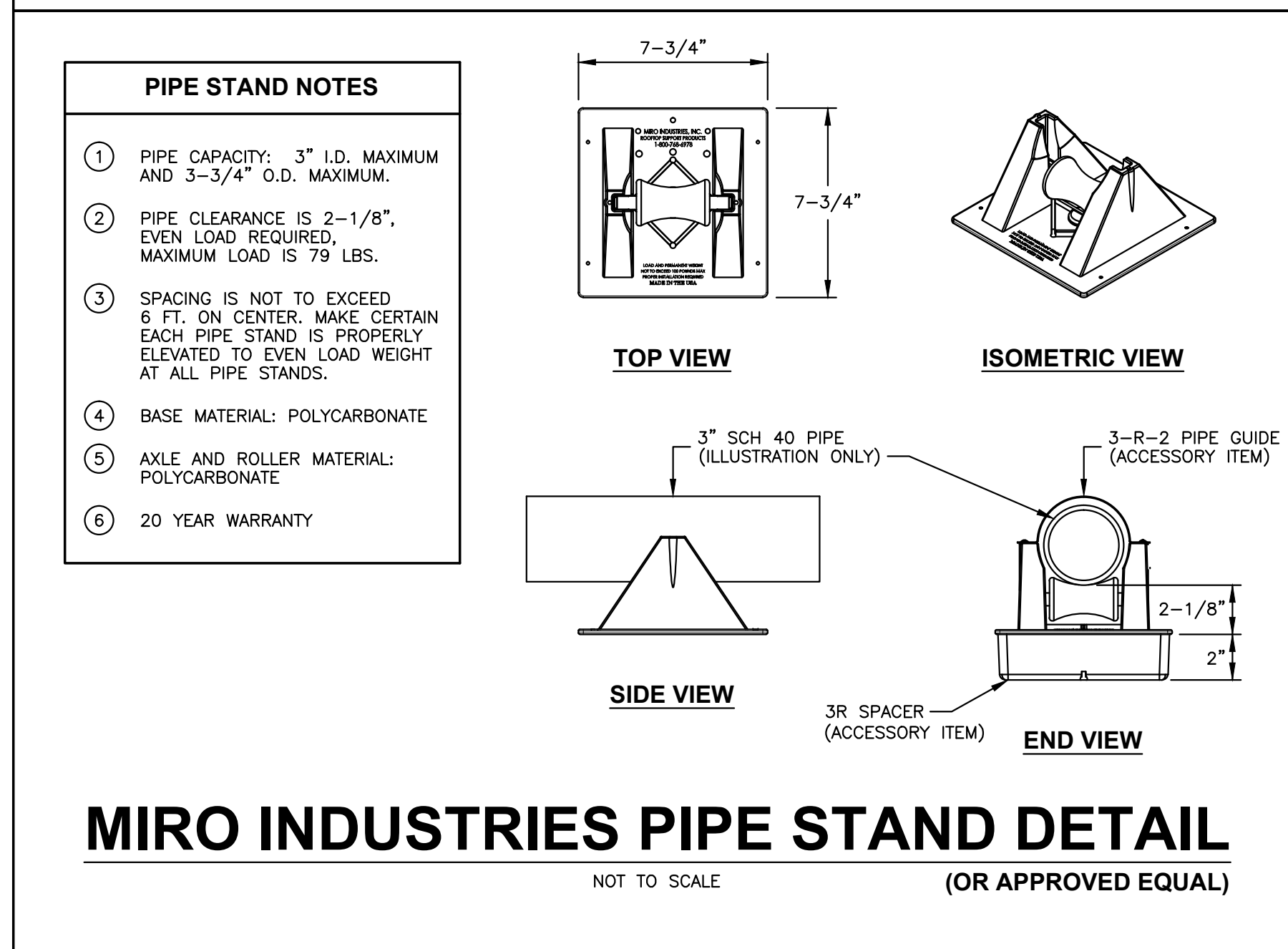
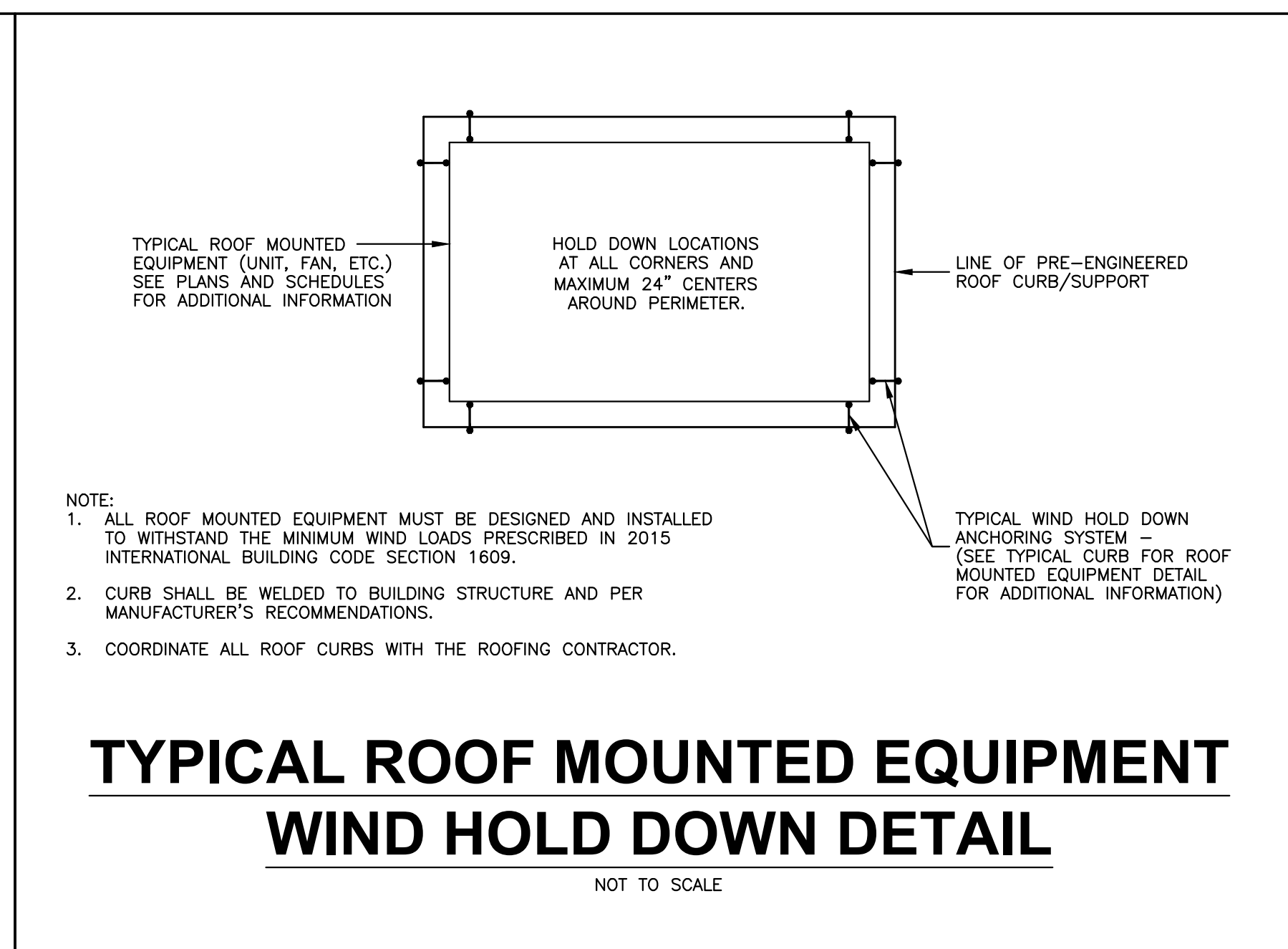
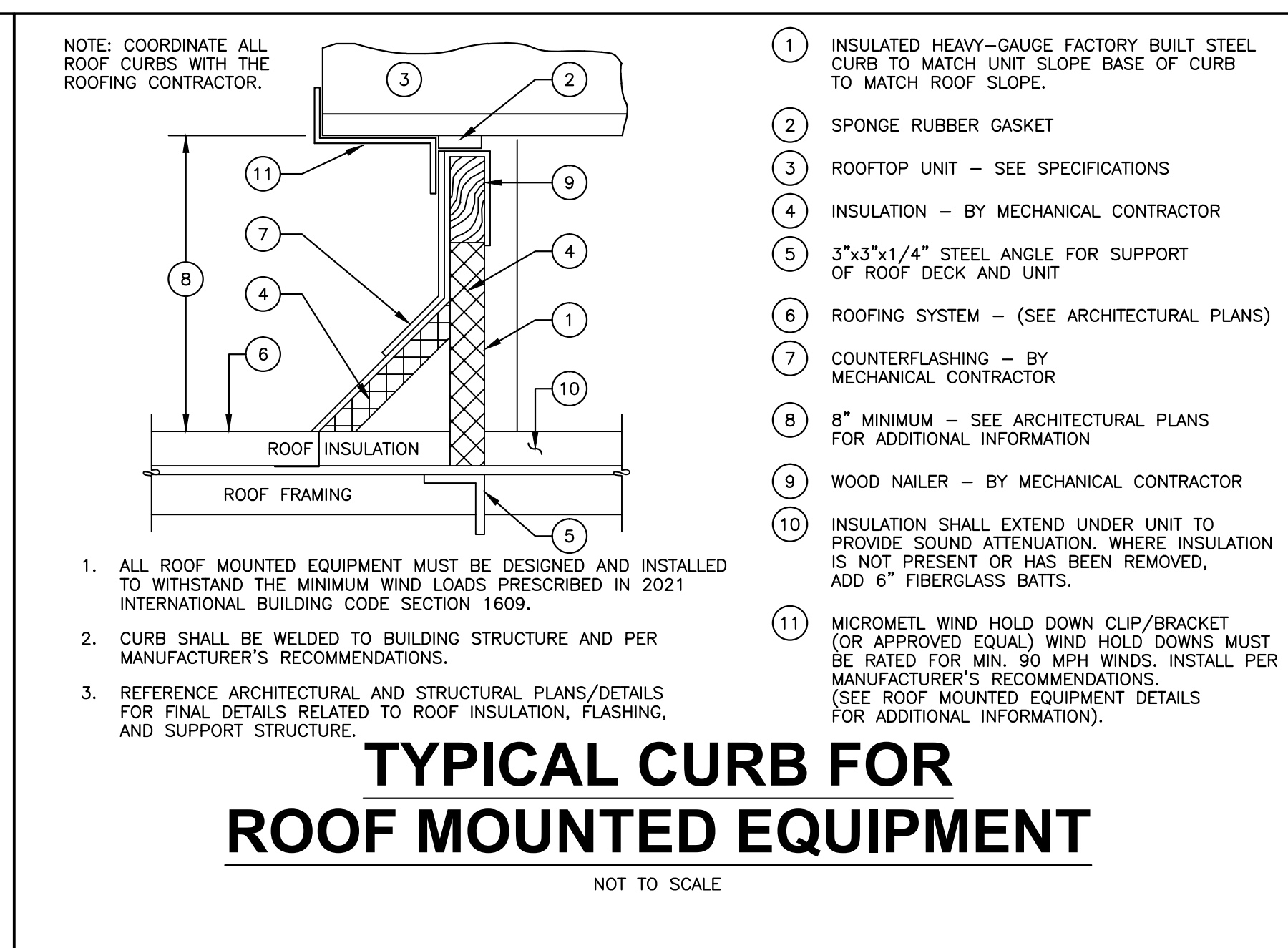
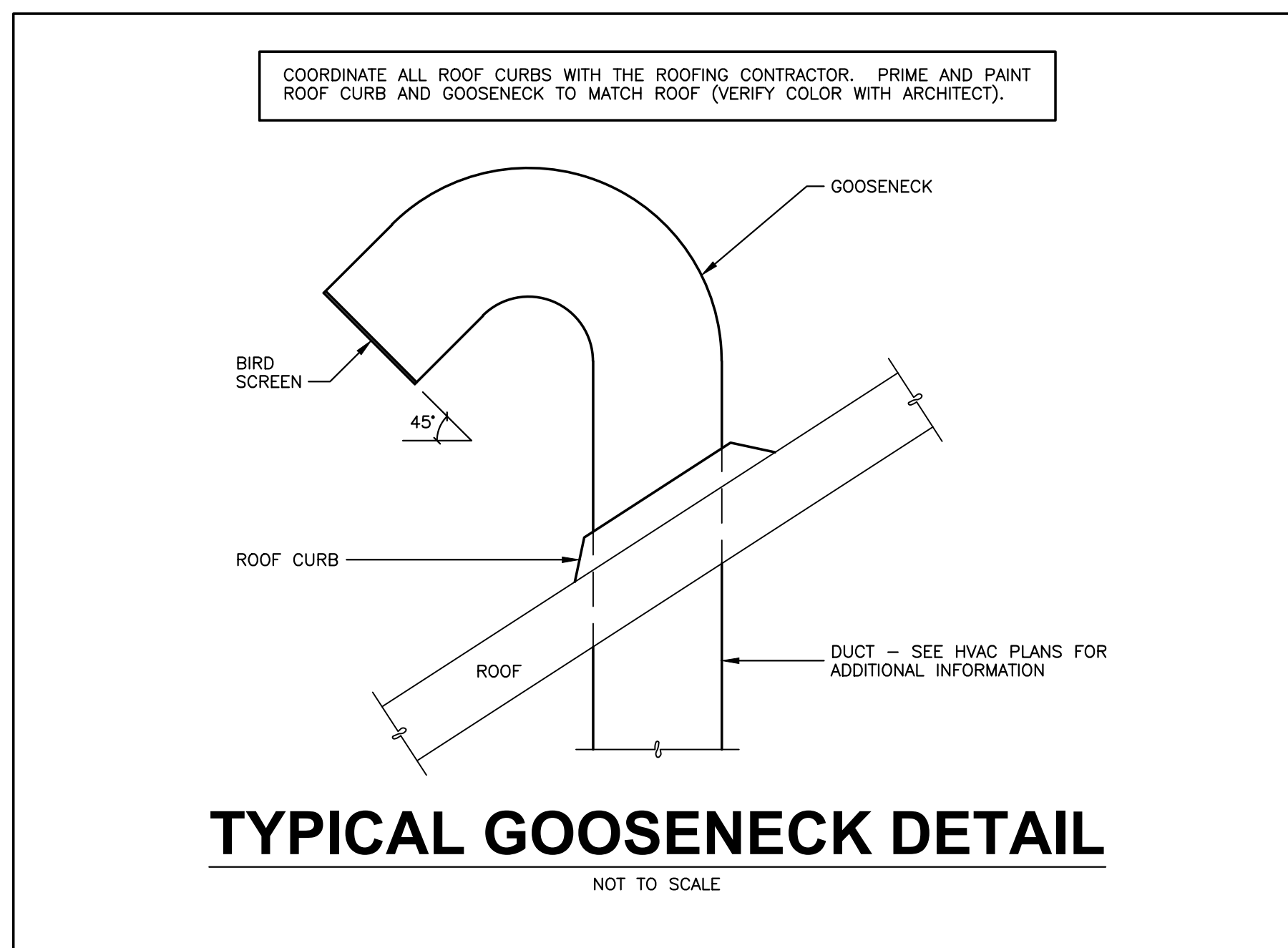
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Date: 30 MAY 2024
Revisions:

Sheet Description

HVAC DETAILS

Sheet Number

M2.1

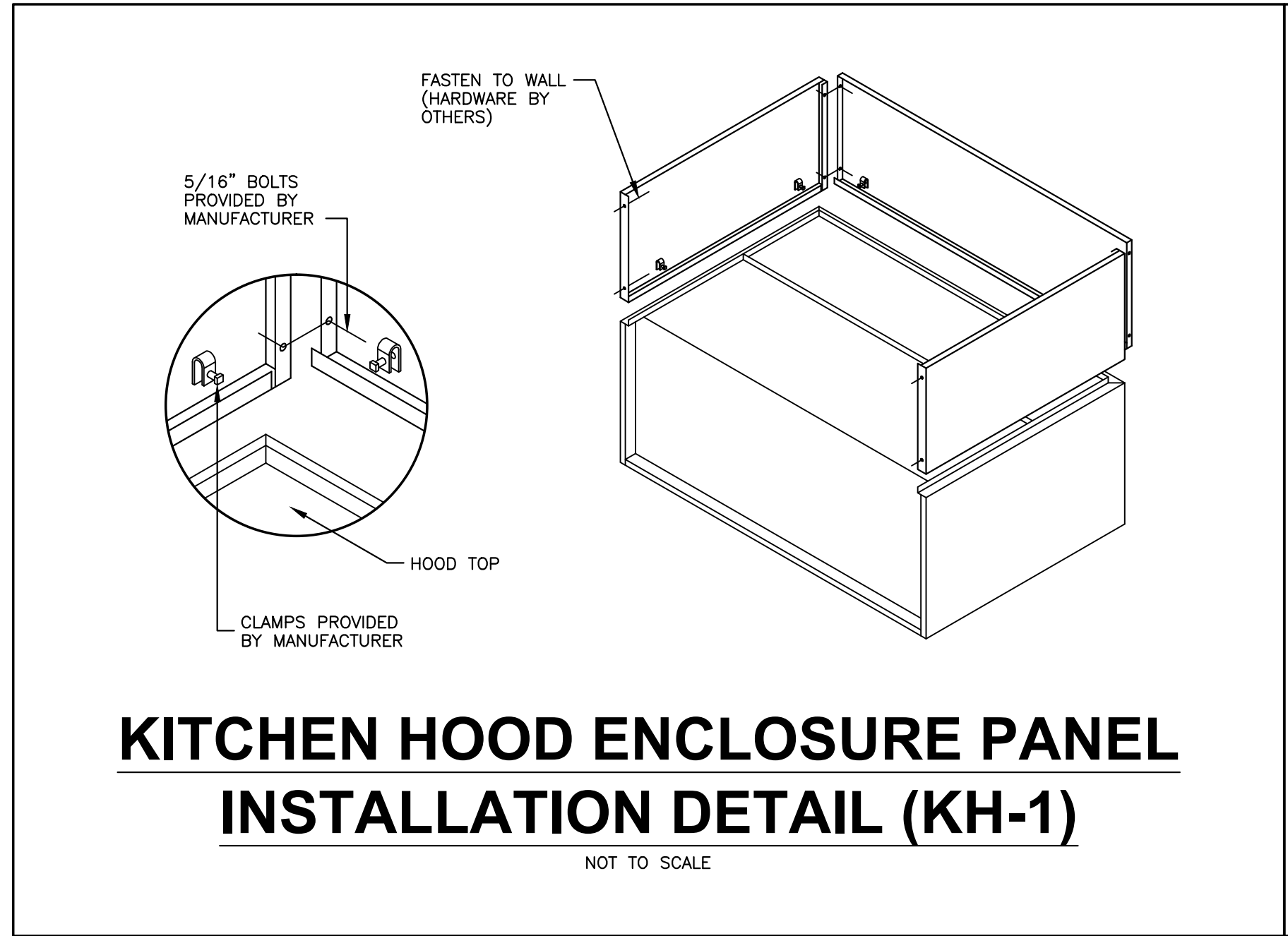


WHORTON ENGINEERING, INC.
HVAC - PLUMBING - PROCESS CONTROL

Randall Whorton
RANDALL WHORTON, P.E.
PHONE: (256) 820-9897

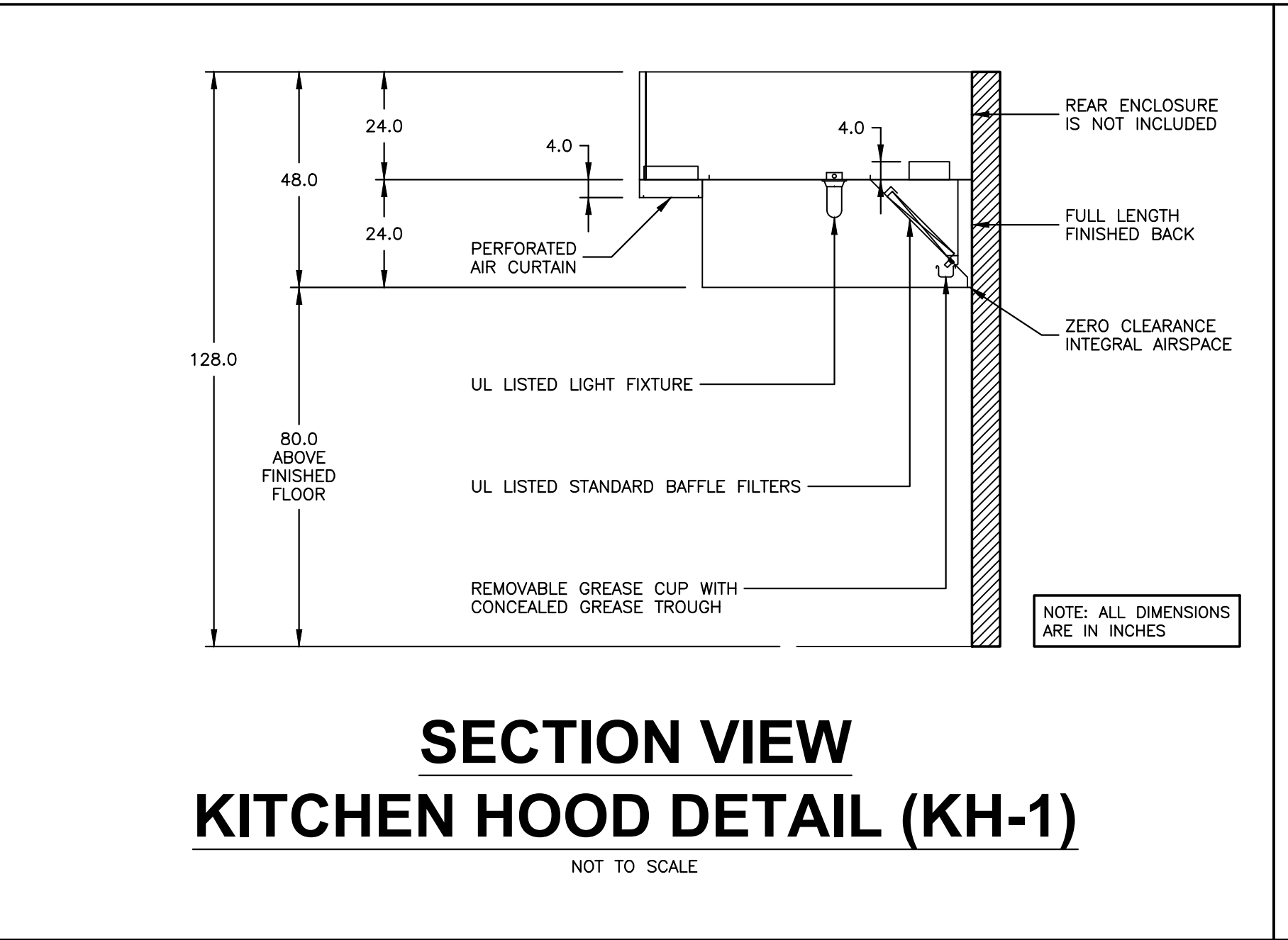
DATE: 06-03-2024
25 SUMMERDALE GATE ROAD
ANNISTON, ALABAMA 36805

WHORTON ENGINEERING PROJECT NO. 23198



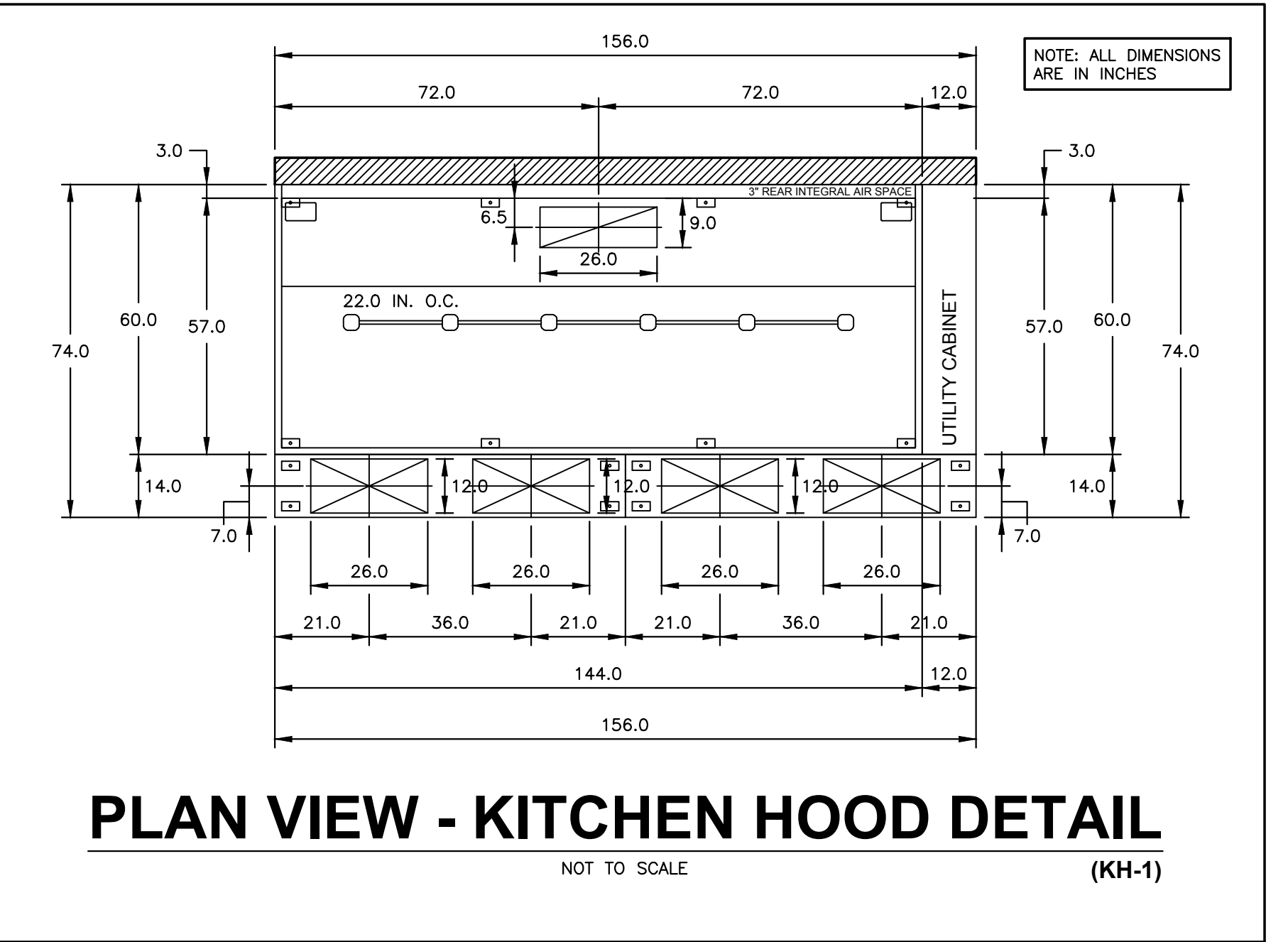
**KITCHEN HOOD ENCLOSURE PANEL
INSTALLATION DETAIL (KH-1)**

NOT TO SCALE



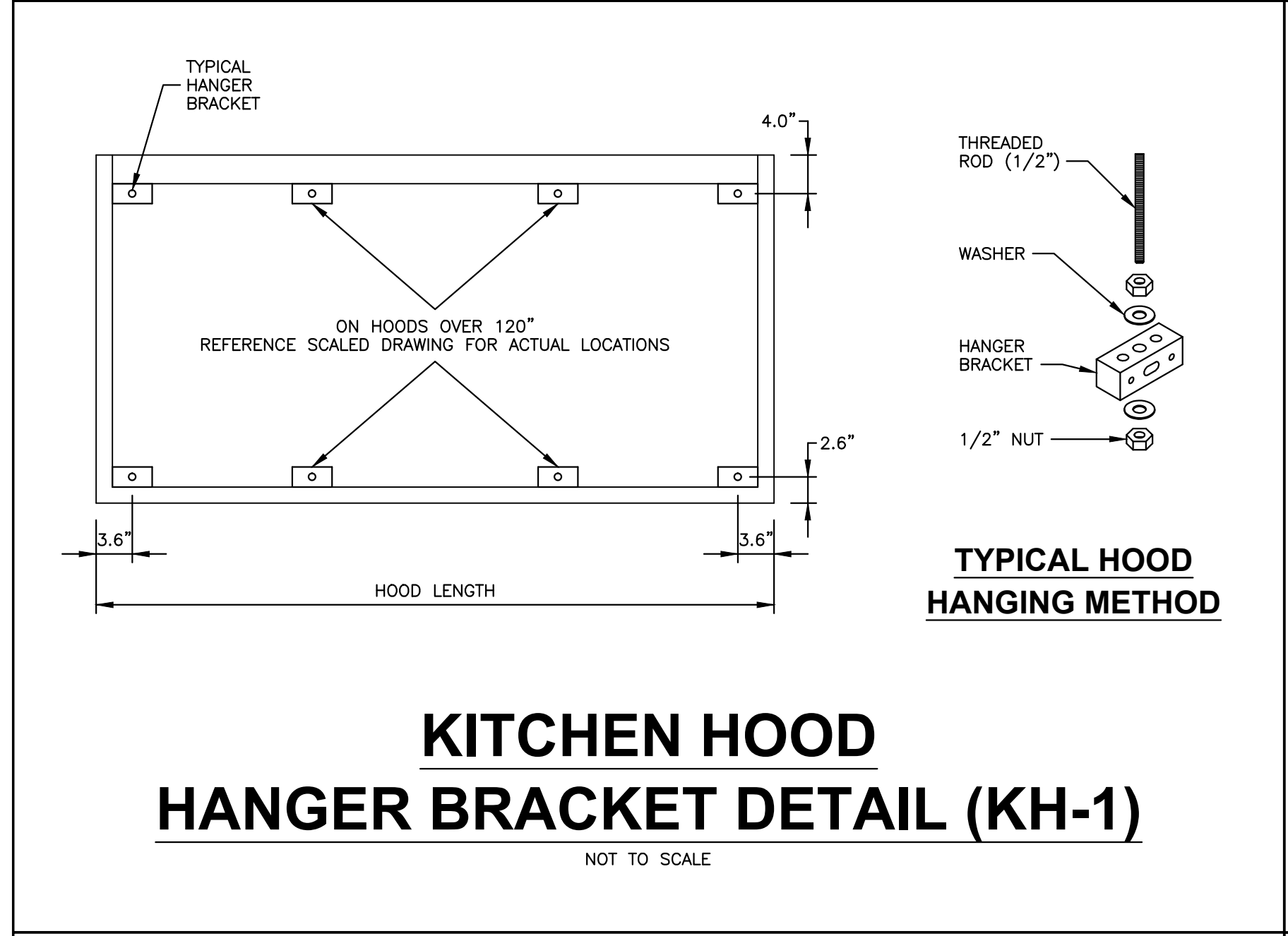
**SECTION VIEW
KITCHEN HOOD DETAIL (KH-1)**

NOT TO SCALE



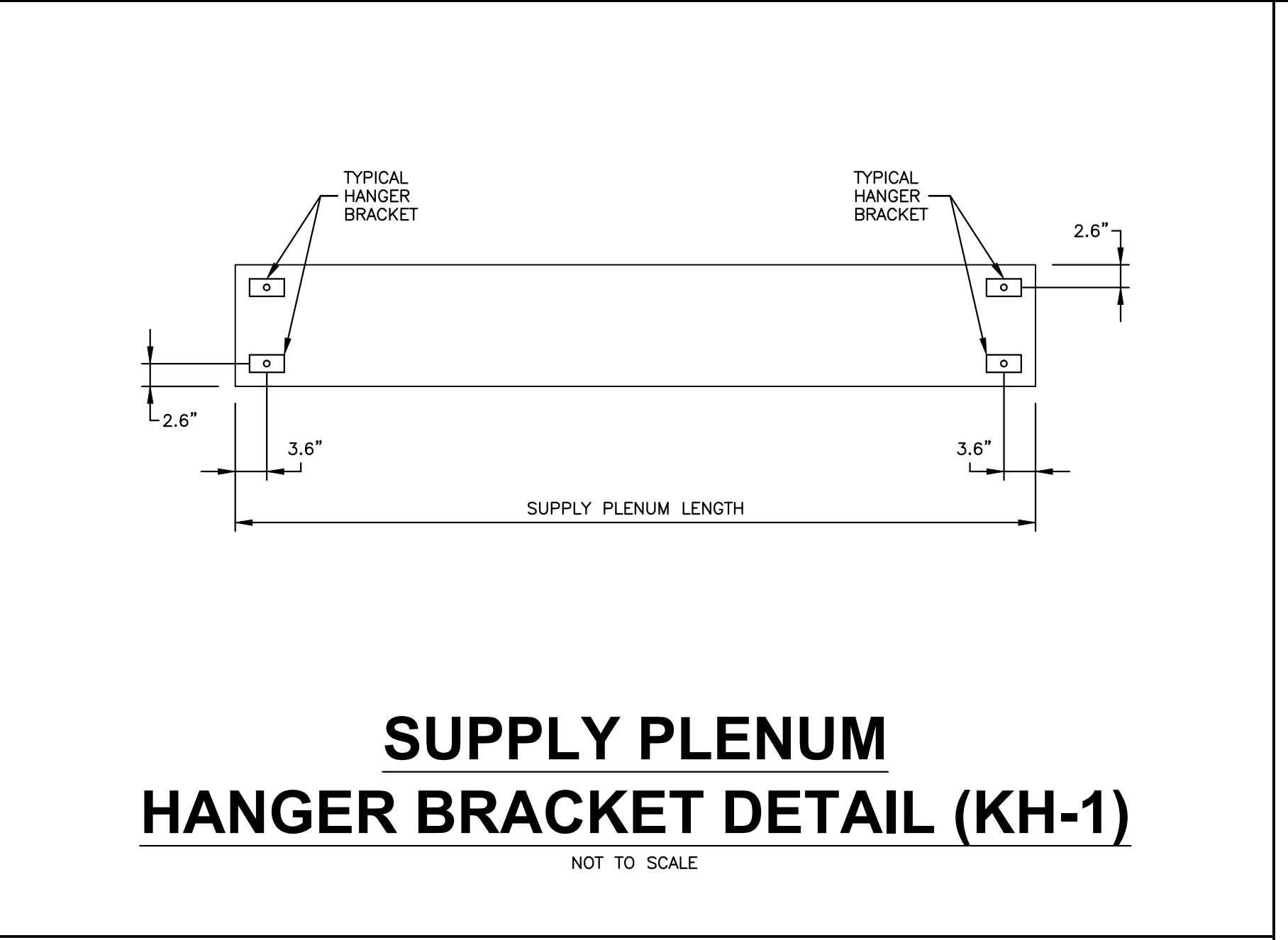
**PLAN VIEW - KITCHEN HOOD DETAIL
(KH-1)**

NOT TO SCALE



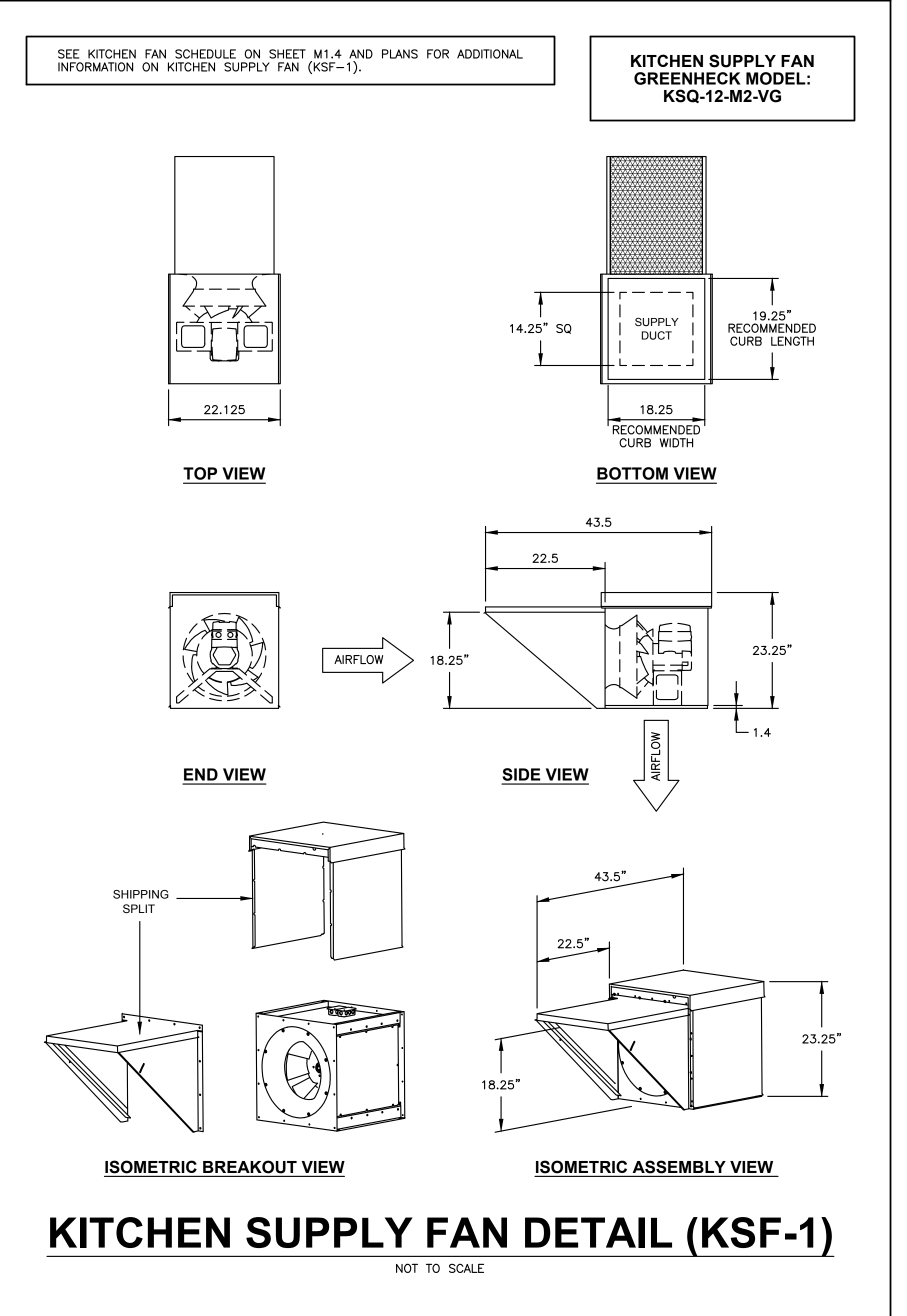
**KITCHEN HOOD
HANGER BRACKET DETAIL (KH-1)**

NOT TO SCALE



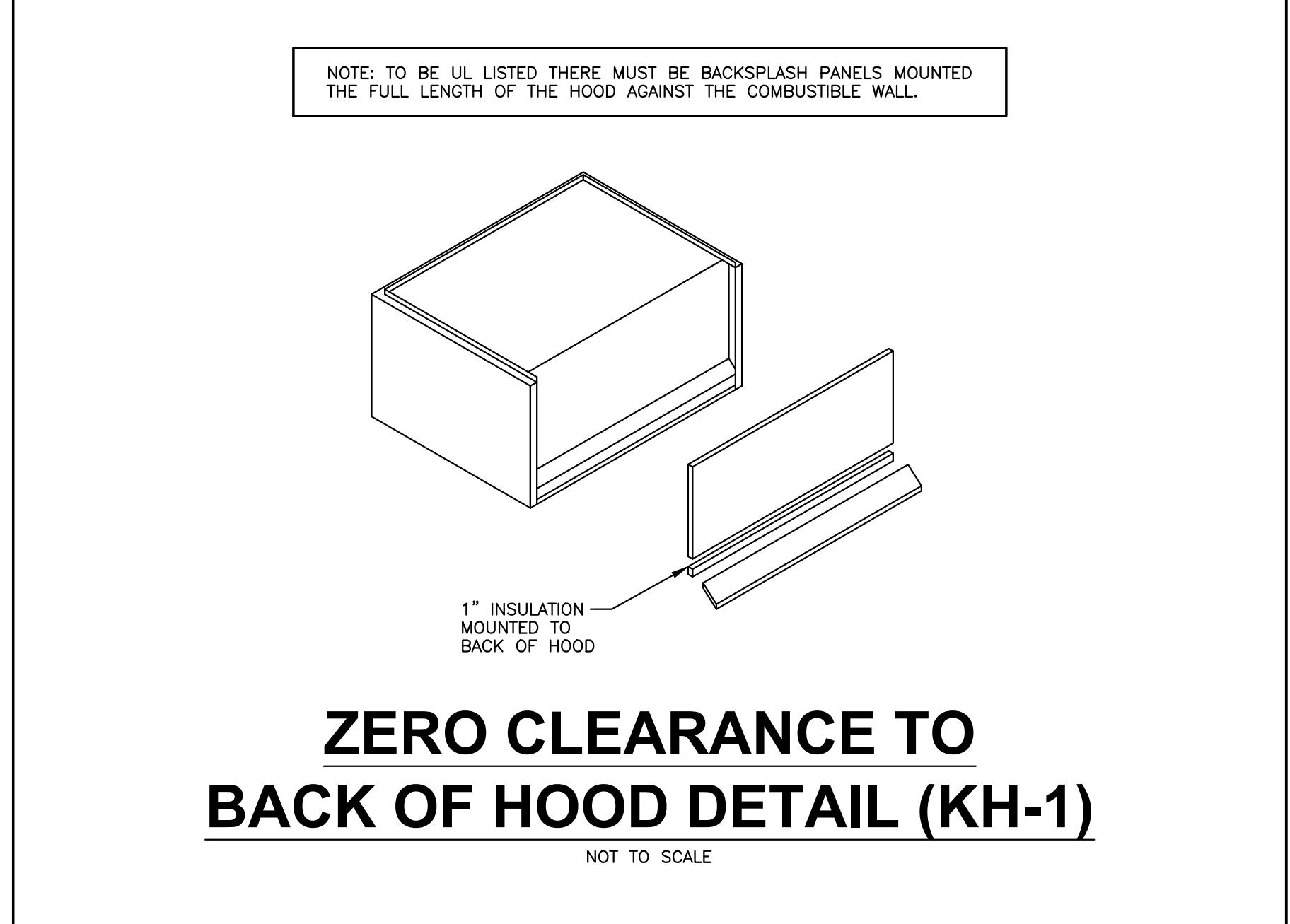
**SUPPLY PLENUM
HANGER BRACKET DETAIL (KH-1)**

NOT TO SCALE



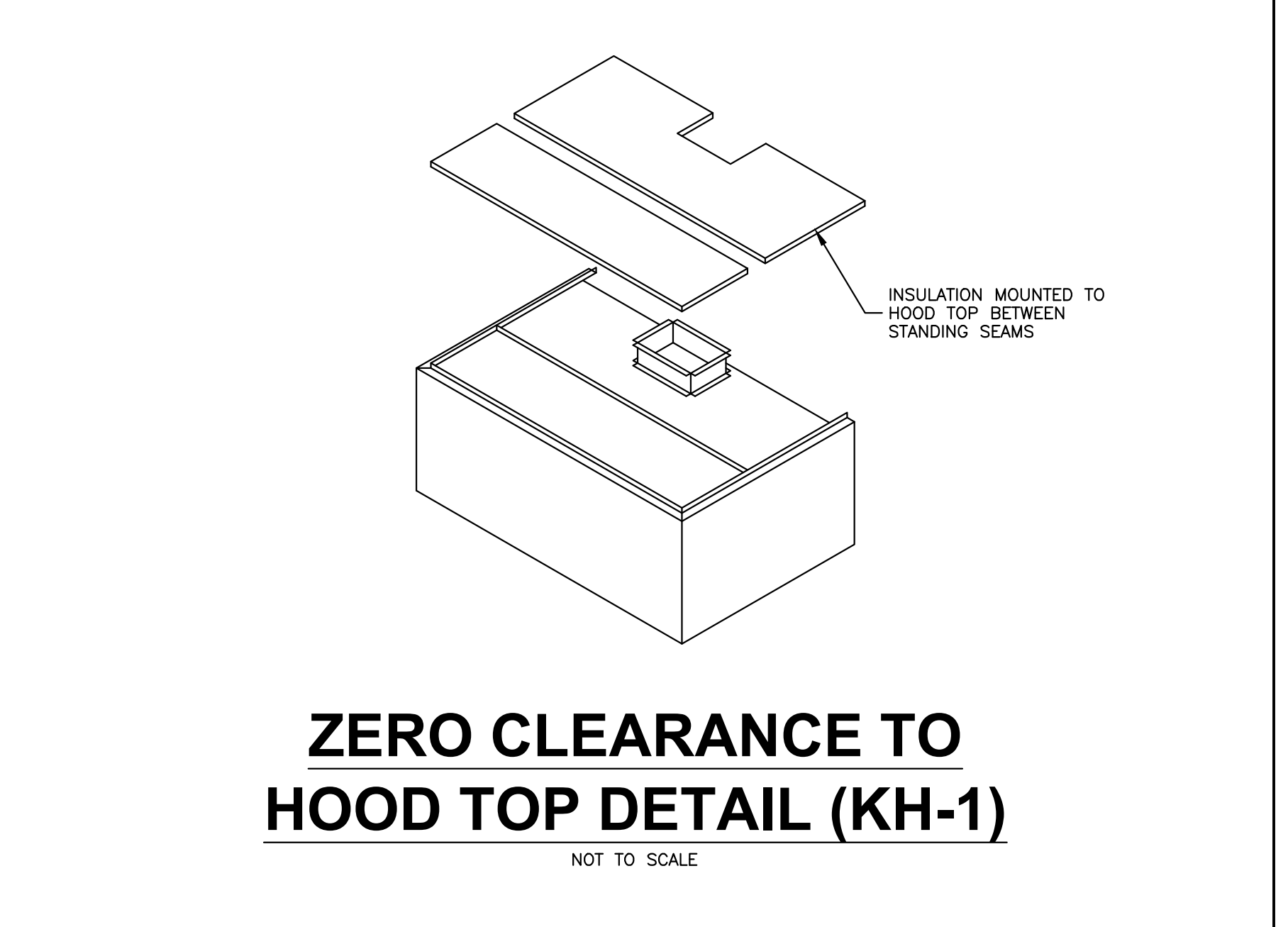
KITCHEN SUPPLY FAN DETAIL (KSF-1)

NOT TO SCALE



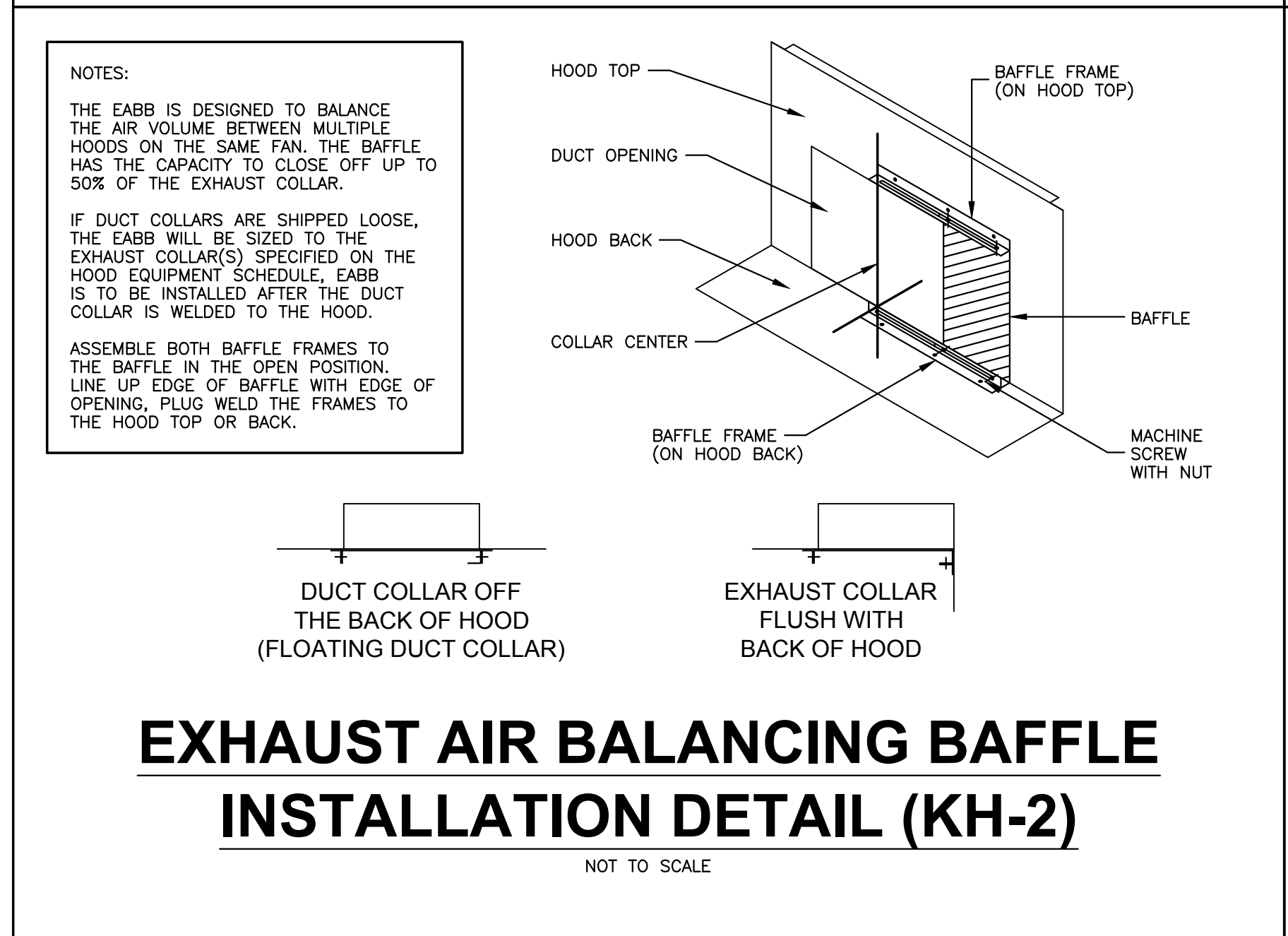
**ZERO CLEARANCE TO
BACK OF HOOD DETAIL (KH-1)**

NOT TO SCALE



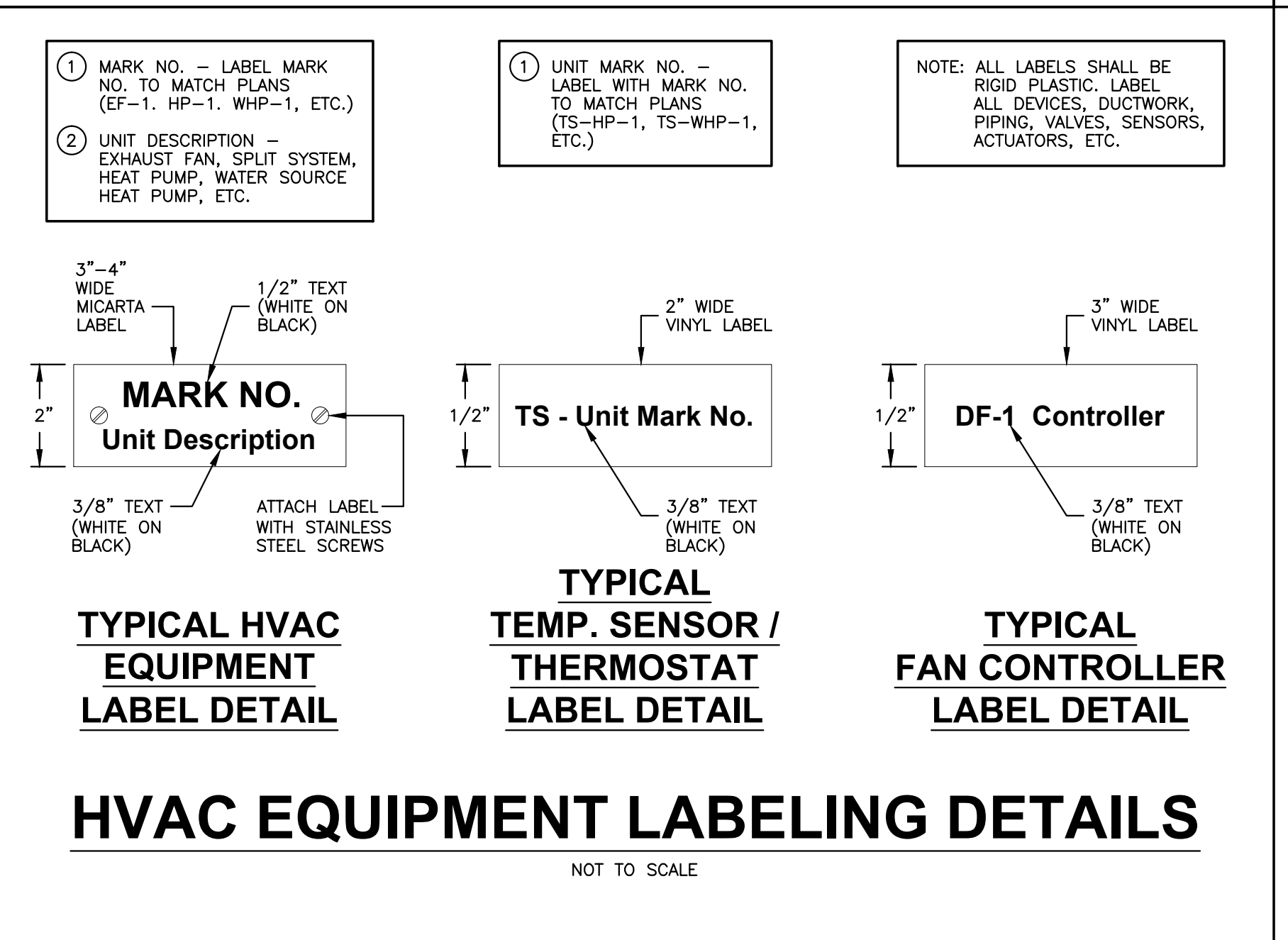
**ZERO CLEARANCE TO
HOOD TOP DETAIL (KH-1)**

NOT TO SCALE



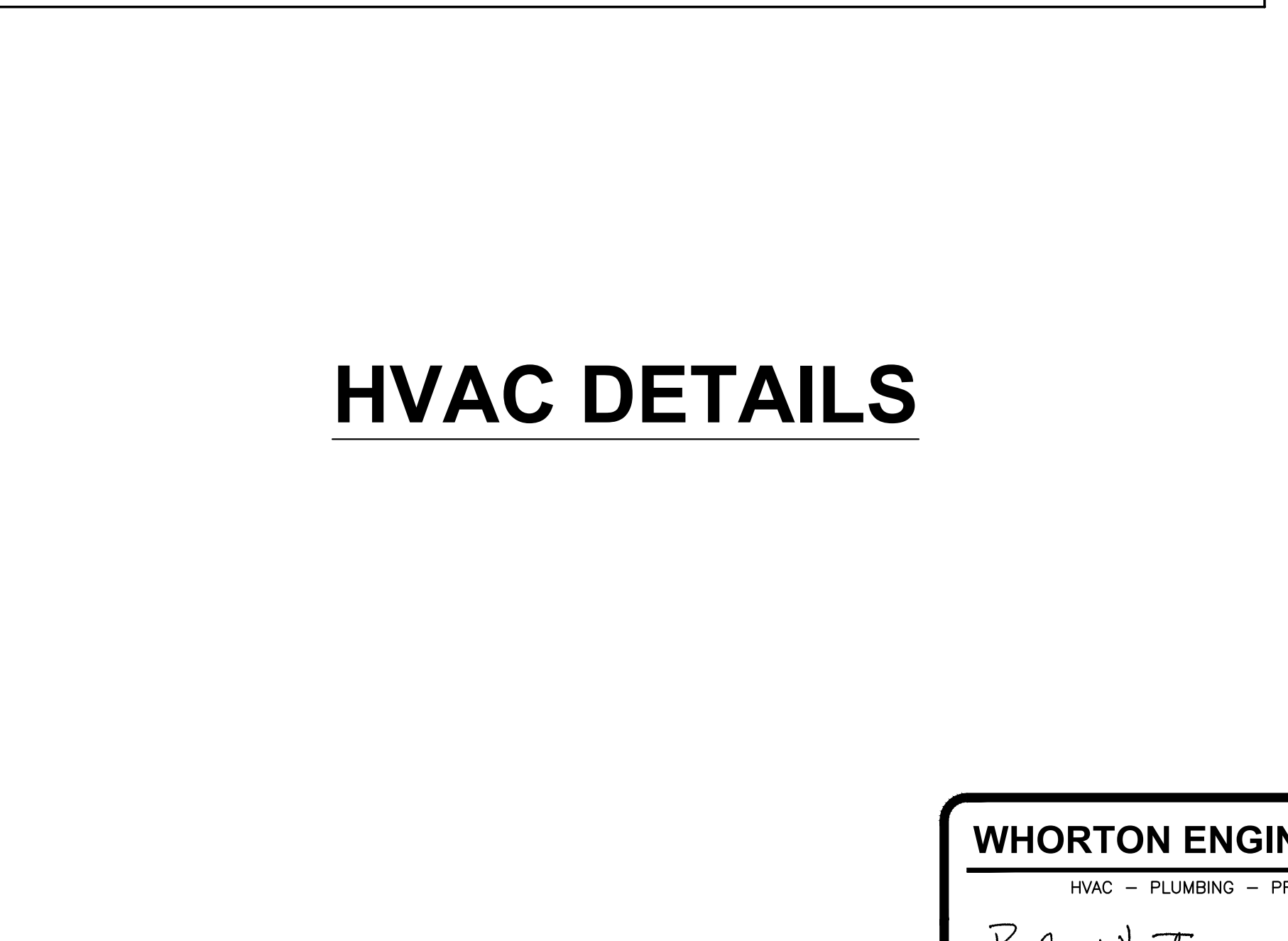
**EXHAUST AIR BALANCING BAFFLE
INSTALLATION DETAIL (KH-2)**

NOT TO SCALE



HVAC EQUIPMENT LABELING DETAILS

NOT TO SCALE

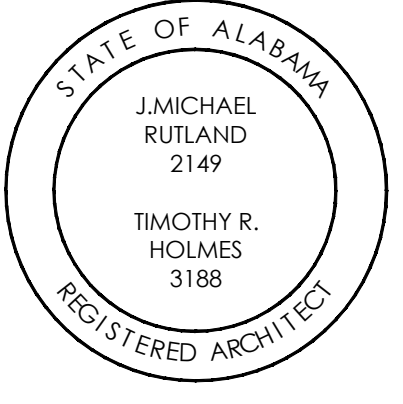


HVAC DETAILS

WHORTON ENGINEERING, INC.
HVAC - PLUMBING - PROCESS CONTROL

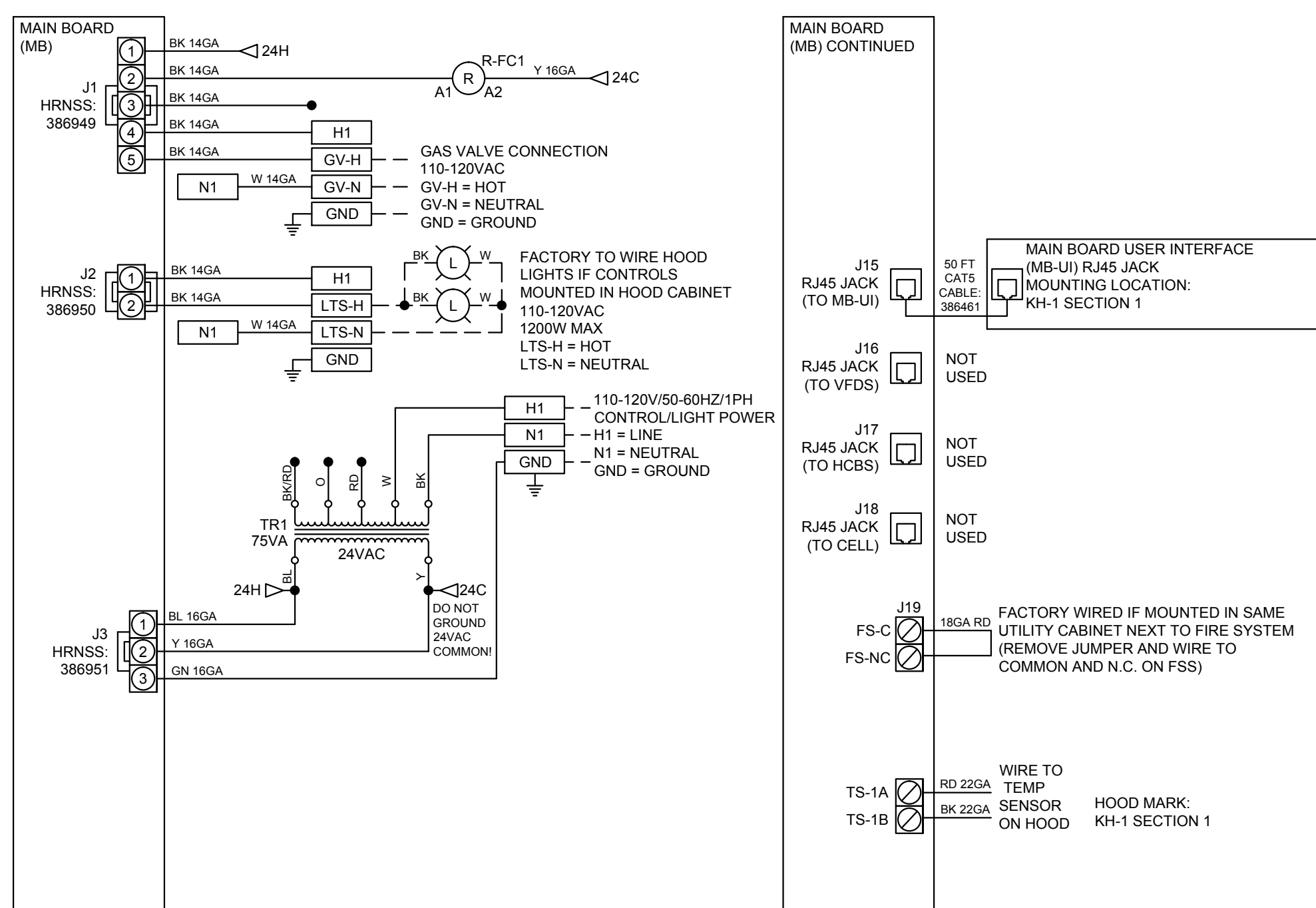
Randall Whorton
RANDALL WHORTON, P.E.
PHONE: (256) 820-9897

DATE: 06-03-2024
25 SUMMERBALL GATE ROAD
ANNISTON, ALABAMA 36805



CHOCTAW CO. JAIL - WIRING DIAGRAM FOR KITCHEN FAN CONTROL CENTER (KFCC-1)

MAIN HARNESS WIRING

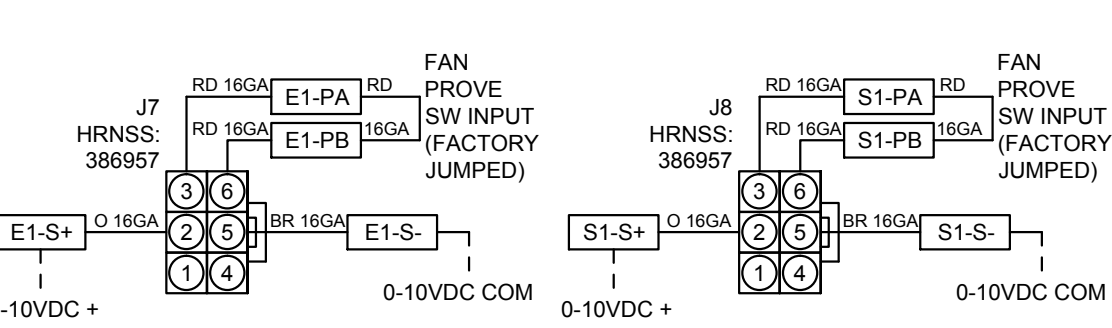


MOTOR STARTER / VFD INPUT / OUTPUT WIRING

POWER WIRING FOR FAN EXHAUST E1 DOES NOT HAVE TO BE ROUTED THROUGH CONTROL PANEL. MARK: KEF-1

POWER WIRING FOR FAN SUPPLY S1 DOES NOT HAVE TO BE ROUTED THROUGH CONTROL PANEL. MARK: KSF-1

FAN CONTROL HARNESSES



GREENHECK BUILDING VALUE IN AIR.

WIRING DIAGRAM CODE: WDC# _____ PRG VERSION: V4
 JOB NAME: CHOCTAW CO. JAIL
 MODEL: GKC-CV-S-11-1-1-0
 SERIAL NUMBER: WDS# _____
 MARK: KFCC-1
 DOC NUMBER: _____
 REV: _____

CAUTION

UNIT SHALL BE GROUNDED IN ACCORDANCE WITH N.E.C. POWER MUST BE OFF WHILE SERVICING.

NOTES

THESE DRAWINGS SHALL NOT BE REMOVED FROM THIS EQUIPMENT. USE COPPER CONDUCTORS RATED TO 90°C UNLESS SPECIFIED. TORQUE CONTROL & GROUND BLOCKS TO 8 LBS. IN. TORQUE POWER LUGS / SCREWS TO COMPONENT RATINGS LISTED. TORQUE CONTROL BOARD SCREW TERMINALS TO 3.5 LBS. IN. SEE IOM FOR ADDITIONAL INFORMATION, OR CALL FACTORY AT 1-800-371-6868.

WIRE COLOR CODE

BK	BLACK	BL	BLUE	BR	BROWN
GY	GRAY	LT BL	LIGHT BLUE	O	ORANGE
PK	PINK	PR	PURPLE	R	RED
W	WHITE	Y	YELLOW	GR	GREEN
OR / WH	ORANGE WITH WHITE STRIPE				
GR / WH	GREEN WITH WHITE STRIPE				
BR / RD	BLACK WITH RED STRIPE				

LEGEND

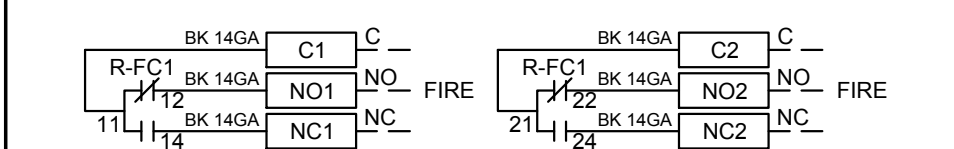
TR	TRANSFORMER	MB	MAIN BOARD
CN	CONTACTOR	VFD	VARIABLE FREQUENCY DRIVE
OL	OVERLOAD	DP	DETERGENT PUMP
R	RELAY (24VAC, DPDT)	CF	CABINET FAN
GND	GROUND	DS	DETERGENT FLOAT SWITCH
CS	CURRENT SWITCH	HRNSS	HARNESS
DB	DISTRIBUTION BLOCK	L	LIGHT
DS	DISCONNECT SWITCH	H	HOT
NO	NORMALLY OPEN	N	NEUTRAL
NC	NORMALLY CLOSED	MOD	MODULATING VALVE
LPS	LOW PRESSURE SWITCH	J	JACK / CONNECTOR
UI	USER INTERFACE	STB	SHUNT TRIP BREAKER
		SW	SWITCH

DETAILS

ENCLOSURE: 12 X 20 X 6
 MOUNTING LOCATION: RIGHT CABINET ON KH-1

1 EXHAUST FANS
 1 SUPPLY FANS
 1 CONTROLLED HOOD SECTIONS
 1 MB HOOD TEMP SENSORS
 0 MB ROOM SENSOR
 0 VFDs
 0 MOTOR STARTERS

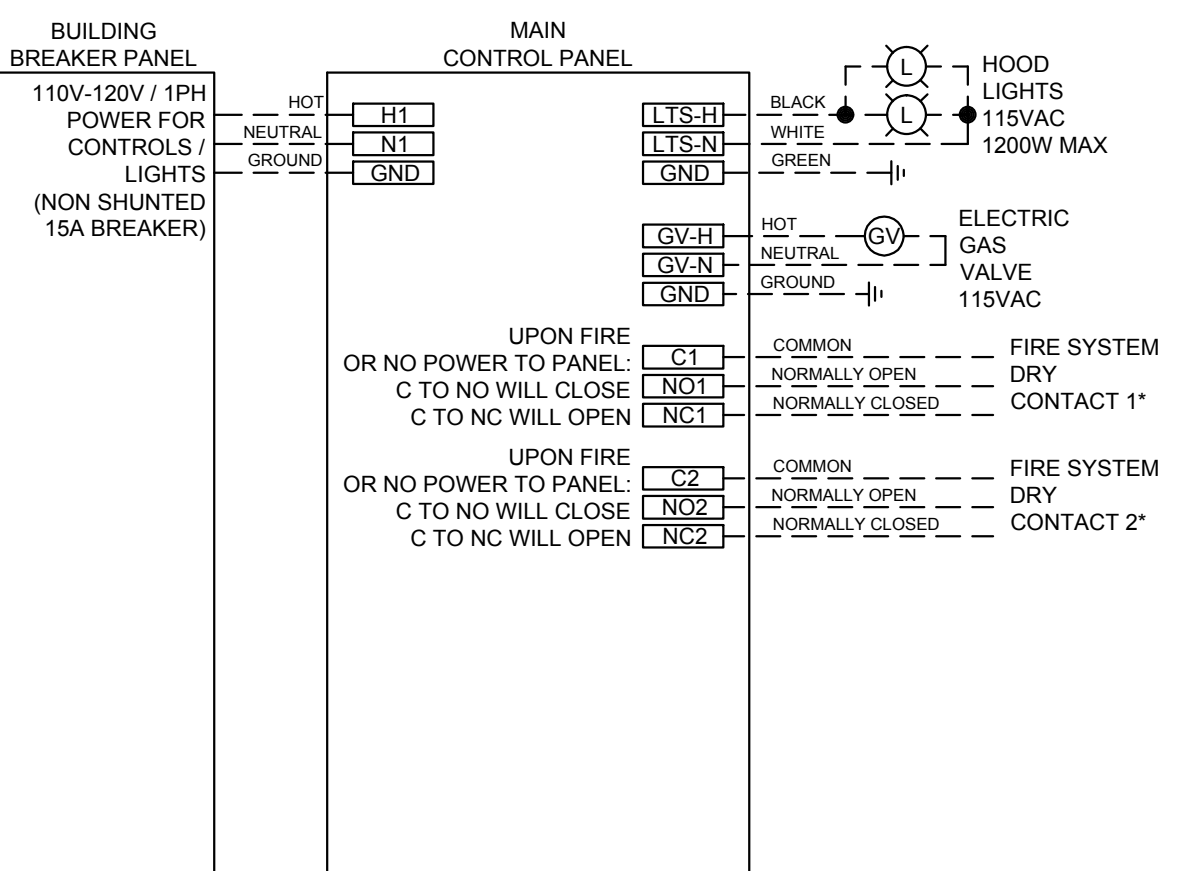
DRY RELAY CONTACTS



CHOCTAW CO. JAIL - FIELD DIAGRAM FOR KITCHEN FAN CONTROL CENTER (KFCC-1)

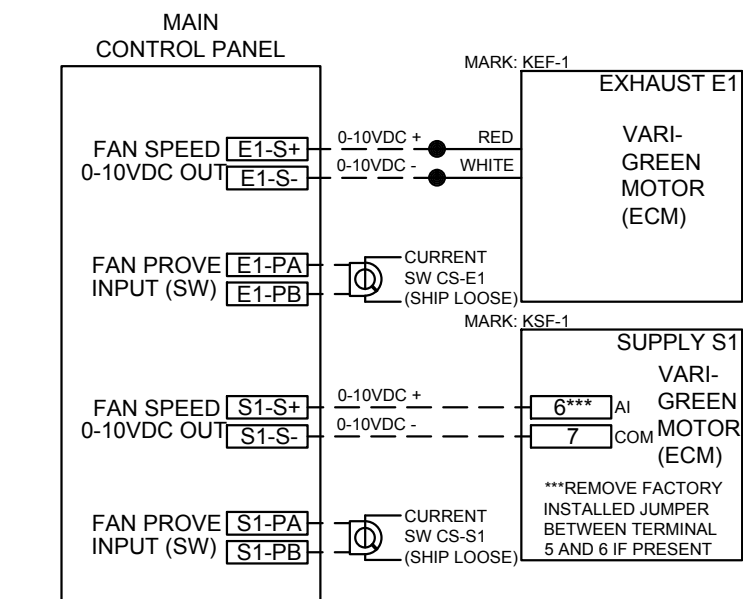
POWER WIRING FOR KITCHEN CONTROLS

(WIRING TO BE DONE BY ELECTRICIAN)



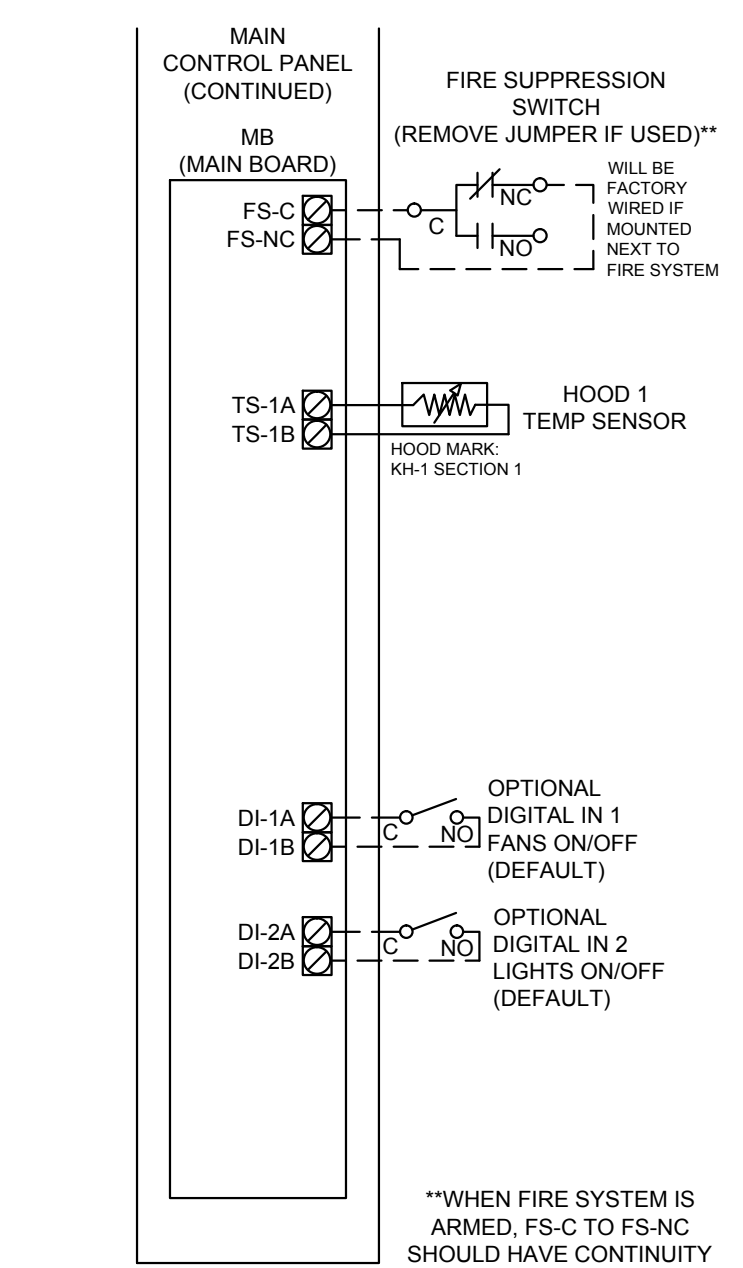
CONTROL WIRING FOR KITCHEN CONTROLS

(WIRING TO BE DONE BY ELECTRICIAN, IF NO CONTROLS CONTRACTOR. USE 18-22GA WIRE UNLESS SPECIFIED.)

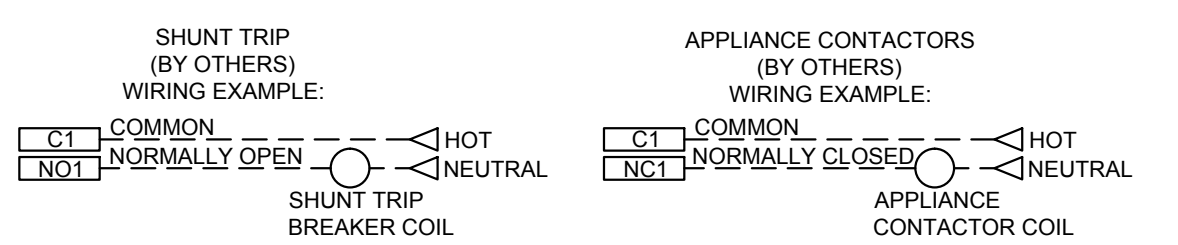


CONTROL WIRING FOR KITCHEN CONTROLS

(WIRING TO BE DONE BY ELECTRICIAN, IF NO CONTROLS CONTRACTOR. USE 18-22GA WIRE UNLESS SPECIFIED.)

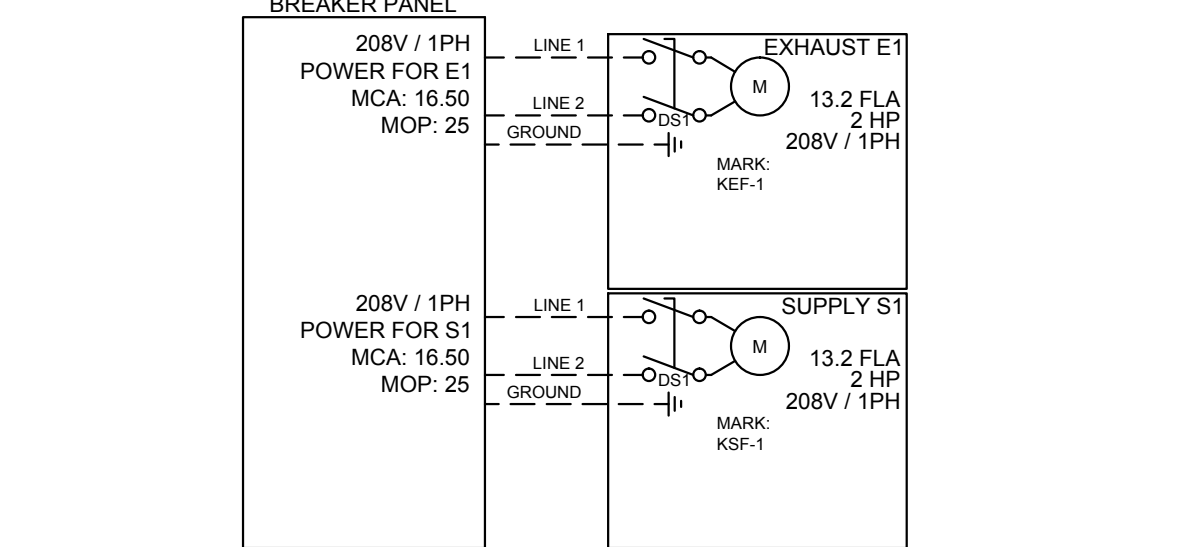


*FIRE SYSTEM DRY CONTACT WIRING EXAMPLES



POWER WIRING FROM BREAKER PANEL DIRECT TO FANS

(WIRING TO BE DONE BY ELECTRICIAN)



GREENHECK BUILDING VALUE IN AIR.

WIRING DIAGRAM CODE: WDC# _____ PRG VERSION: V4
 JOB NAME: CHOCTAW CO. JAIL
 MODEL: GKC-CV-S-11-1-1-0
 SERIAL NUMBER: WDS# _____
 MARK: KFCC-1
 DOC NUMBER: _____
 REV: _____

CAUTION

UNIT SHALL BE GROUNDED IN ACCORDANCE WITH N.E.C. POWER MUST BE OFF WHILE SERVICING.

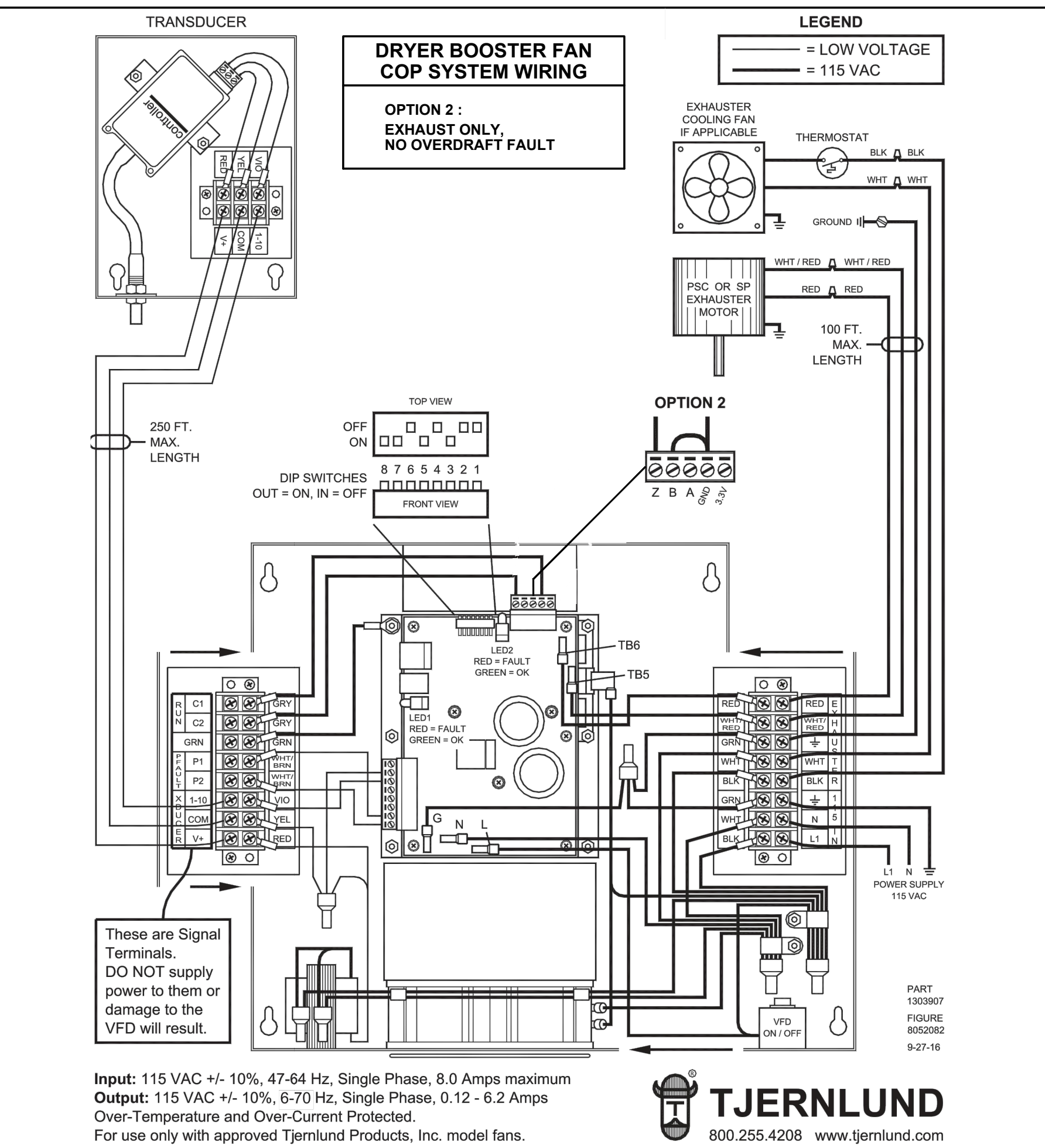
NOTES

THESE DRAWINGS SHALL NOT BE REMOVED FROM THIS EQUIPMENT. USE COPPER CONDUCTORS RATED TO 90°C UNLESS SPECIFIED. TORQUE CONTROL & GROUND BLOCKS TO 8 LBS. IN. TORQUE POWER LUGS / SCREWS TO COMPONENT RATINGS LISTED. TORQUE CONTROL BOARD SCREW TERMINALS TO 3.5 LBS. IN. FIELD CONTROL WIRING RESISTANCE SHOULD NOT EXCEED 0.75 OHM. SEE IOM FOR ADDITIONAL INFORMATION, OR CALL FACTORY AT 1-800-371-6868.

FIELD WIRING: _____
 FACTORY WIRING: _____

COMMERCIAL APPLIANCE OUTLET CENTER
 ELECTRICAL RATINGS: 110V - 240V, 1 PHASE, 50-60HZ, 15A
 BASE FILE #E200616, ML FILE #E319851

DRYER BOOSTER FAN WIRING DIAGRAM



KITCHEN FAN CONTROL CENTER (KFCC-1) CONFIGURATION FOR KH-1

ZONE CONFIGURATION			HOOD CONFIGURATION		
ZONE #	ZONE	ROOM TEMP	HOOD #	HOOD	HOOD MARK
1	Z1	PRESET	1	H1	KH-1 SECTION 1

FACTORY SETTINGS			ZONE SETTINGS			USER INTERFACE SETTINGS (MB)			
TYPE: CV	CONFIGURATION: STANDARD	ZONES: 1	SEE ZONE CONFIGURATION IN TABLE	HOOD SETTINGS	SEE HOOD CONFIGURATION IN TABLE	USER INTERFACE SETTINGS (HCB)	NA	GENERAL SETTINGS	TIME ZONE: CENTRAL DAYLIGHT (DEFAULT)
HOODS: 1	EXHAUST FANS: 1	SUPPLY FANS: 1	SEE FAN CONFIGURATION IN TABLE	EXHAUST FAN SETTINGS	SEE FAN CONFIGURATION IN TABLE	FIRE / FAULT SETTINGS	EXHAUST DURING FIRE: MAX	EXHAUST DURING FIRE: OFF	SUPPLY DURING FIRE: OFF
MB ROOM SENSOR: NO	MB TEMP SENSORS: 1	HIGH TEMP FAULT: YES	SEE FAN CONFIGURATION IN TABLE	SUPPLY FAN SETTINGS	SEE FAN CONFIGURATION IN TABLE	LIGHTS DURING FIRE: OFF			
FREEZE PROTECTION: YES	GAS RESET: YES	FAN PROTECTING: YES - EXH AND SUP	SEE HOOD CONFIGURATION IN TABLE	SENSOR SETTINGS	SEE HOOD CONFIGURATION IN TABLE				
BMS: NONE						BMS SETTINGS	NA		

FAN CONFIGURATION										
FAN #	TYPE	FAN	FAN MARK	ZONE	MIN CFM	MAX CFM	MODBUS VFD	VFD ADDRESS	MIN FREQ	MAX FREQ
1	EXHAUST	E1	KEF-1	Z1	-	2700	NO	-	-	-
2	SUPPLY	S1	KSF-1	Z1	-	2294	NO	-	-	-

SEE KITCHEN FAN CONTROL CENTER SCHEDULE (KFCC-1) ON SHEET M1.4 AND PLANS FOR ADDITIONAL INFORMATION.

MOUNTING LOCATION:
 UTILITY CABINET ON HOOD
 KFCC-1 (INNER CONTROL BOX: 18 X 20 X 6)

NOTES:
 1) WHEN CONTROLS ARE MOUNTED IN HOOD-MOUNTED OR WALL-MOUNTED UTILITY CABINET, FOR HOOD OR WALL CABINET DIMENSIONS SEE HOOD SUBMITTAL.
 2) MINIMUM OF 36" OF CLEARANCE RECOMMENDED IN FRONT OF CONTROL CABINET

USER INTERFACE DETAILS
 MOUNTING TYPE: FACTORY MOUNTED
 FACE MOUNT LEFT SIDE OF HOOD
 USER INTERFACE CONTROL: FANS AND LIGHTS
 INTERFACE CABLE LENGTH: 50 FT. (FACTORY PROVIDED)

KITCHEN FAN CONTROL CENTER DETAIL (KFCC-1)
 NOT TO SCALE

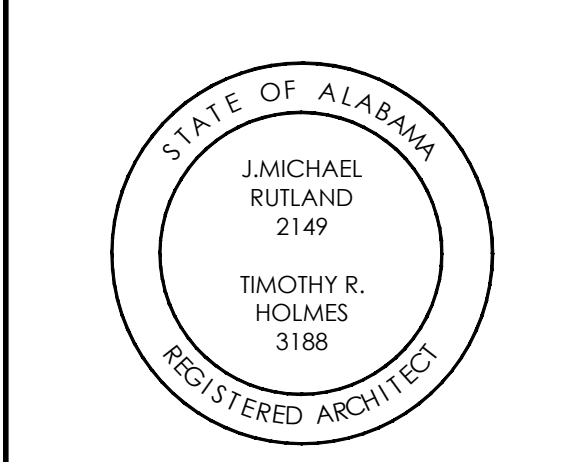
HVAC DETAILS

WHORTON ENGINEERING, INC.
 HVAC - PLUMBING - PROCESS CONTROL

Randall Whorton
 RANDALL WHORTON, P.E.
 PHONE: (256) 820-9897

DATE: 06-03-2024
 25 SUMMERHALL GATE ROAD
 ANNISTON, ALABAMA 36805

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CHOCTAW COUNTY JAIL BUTLER, ALABAMA

CONSTRUCTION DOCUMENTS

Project Number: 22-1189
 Date: 30 MAY 2024
 Revisions:

Sheet Description

HVAC DETAILS

Sheet Number

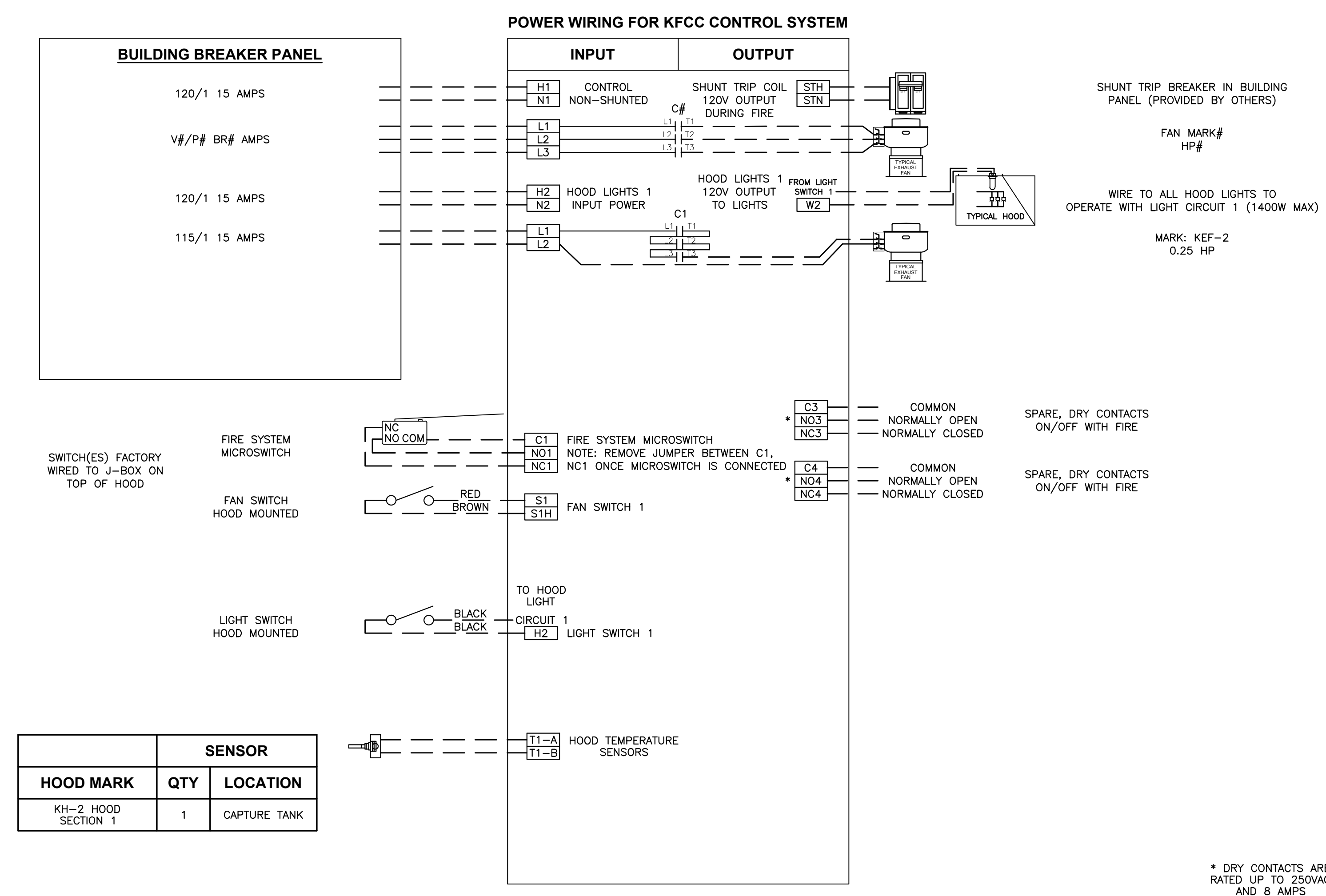
M2.4

80 OF 98

CHOCTAW CO. JAIL FOR KH-2 KITCHEN FAN CONTROL CENTER (KFCC-2) ELECTRICAL FIELD WIRING SCHEMATIC



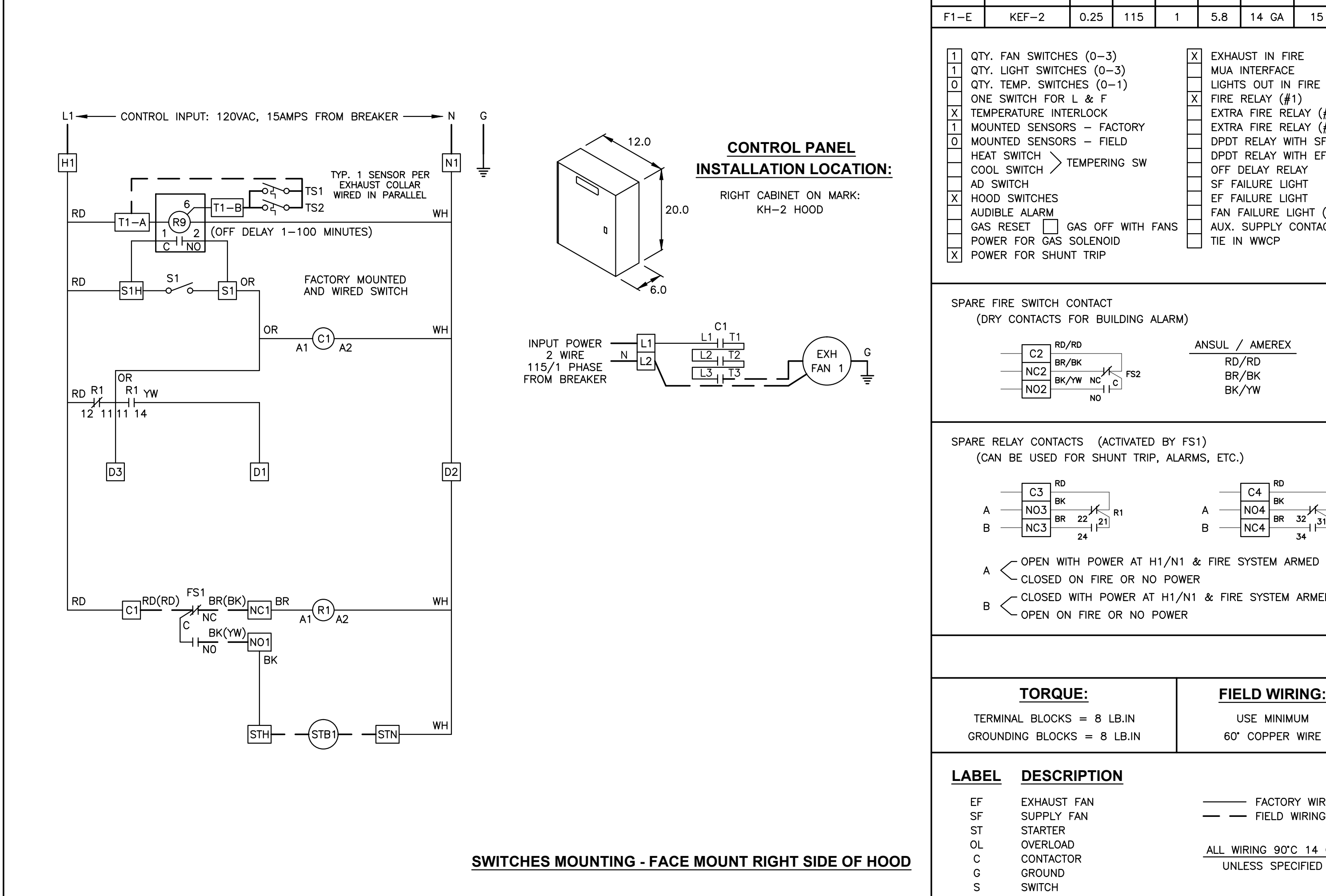
PANEL MARK	KFCC-2
LOCATION	RIGHT CABINET ON KH-2 HOOD



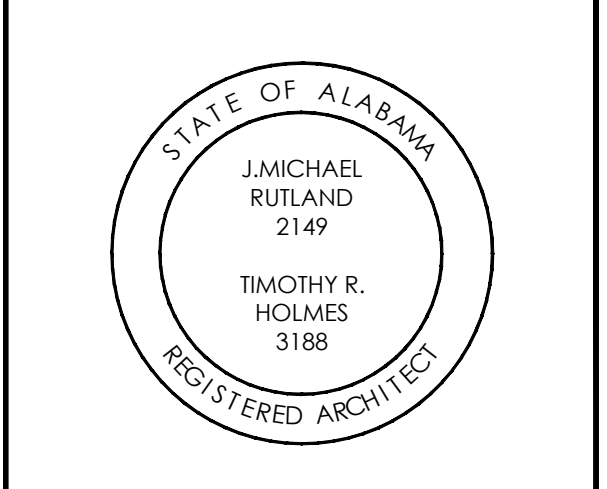
CHOCTAW CO. JAIL FOR KH-2 KITCHEN FAN CONTROL CENTER (KFCC-2) ELECTRICAL PREWIRE PACKAGE



PANEL MARK	KFCC-2						
MODEL	KFCC						
MOTOR	FAN MARK	HP	VOLT	PH	FLA	WIRE	BREAKER
F1-E	KEF-2	0.25	115	1	5.8	14 GA	15 AMP



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CHOCTAW COUNTY JAIL BUTLER, ALABAMA

CONSTRUCTION DOCUMENTS

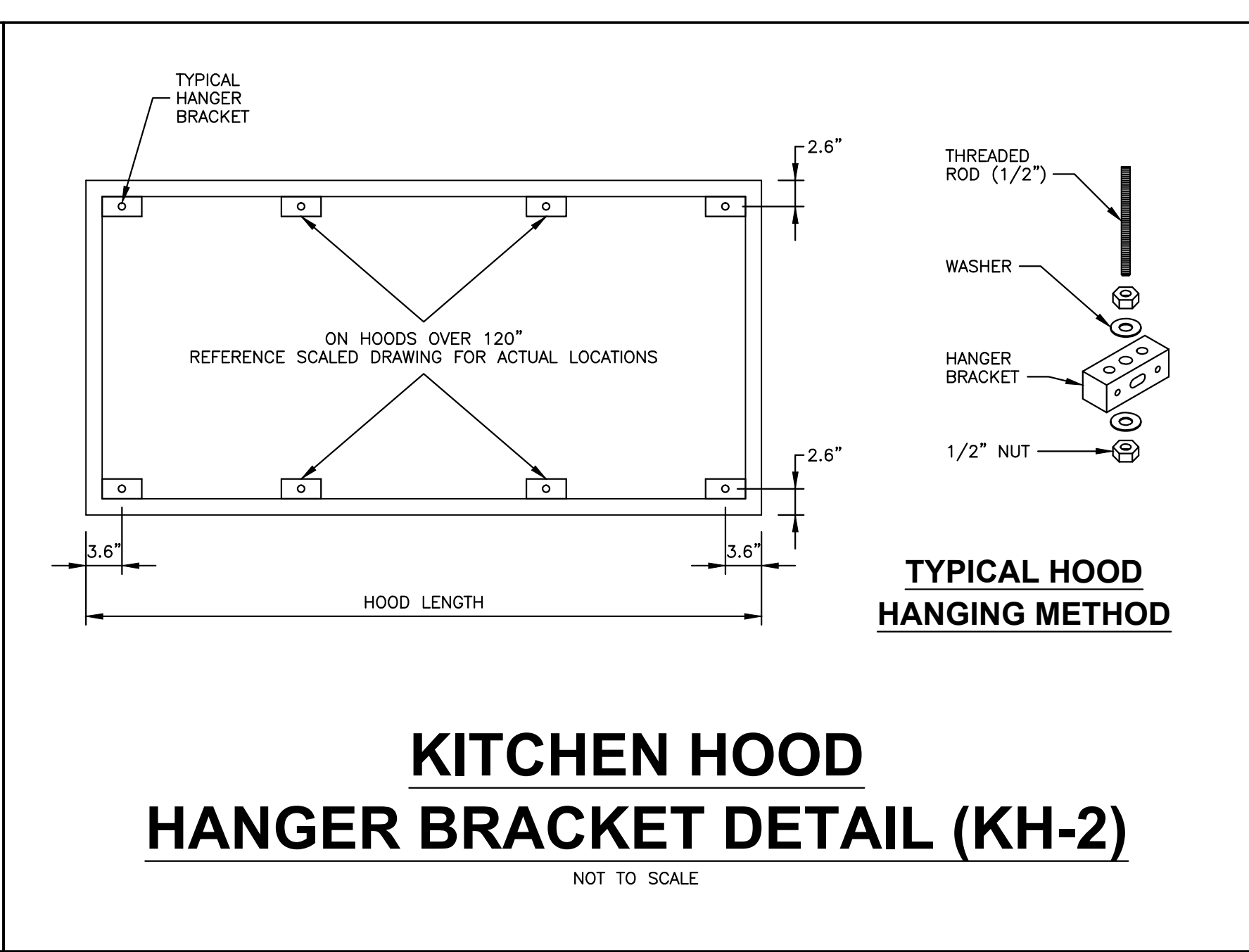
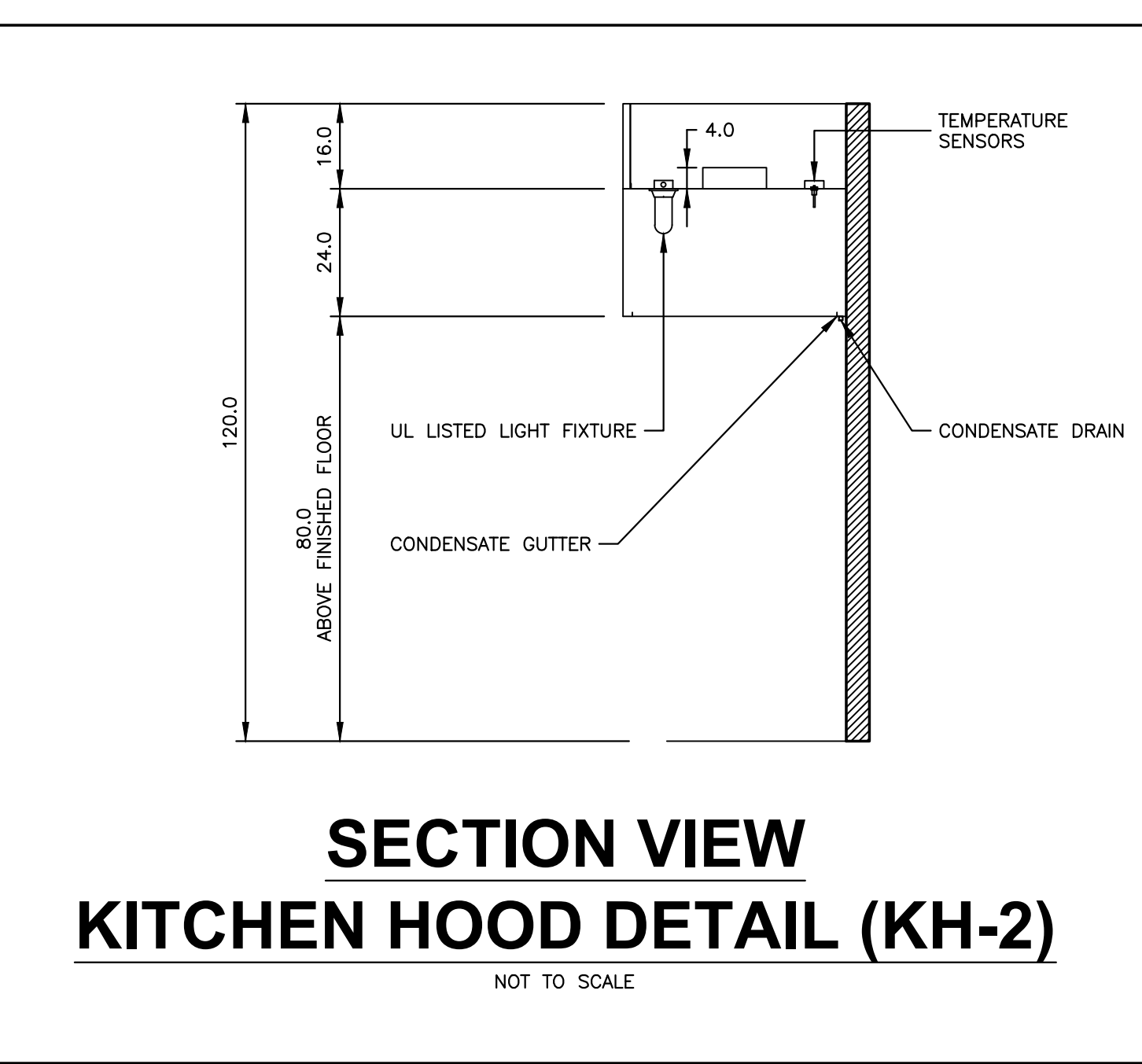
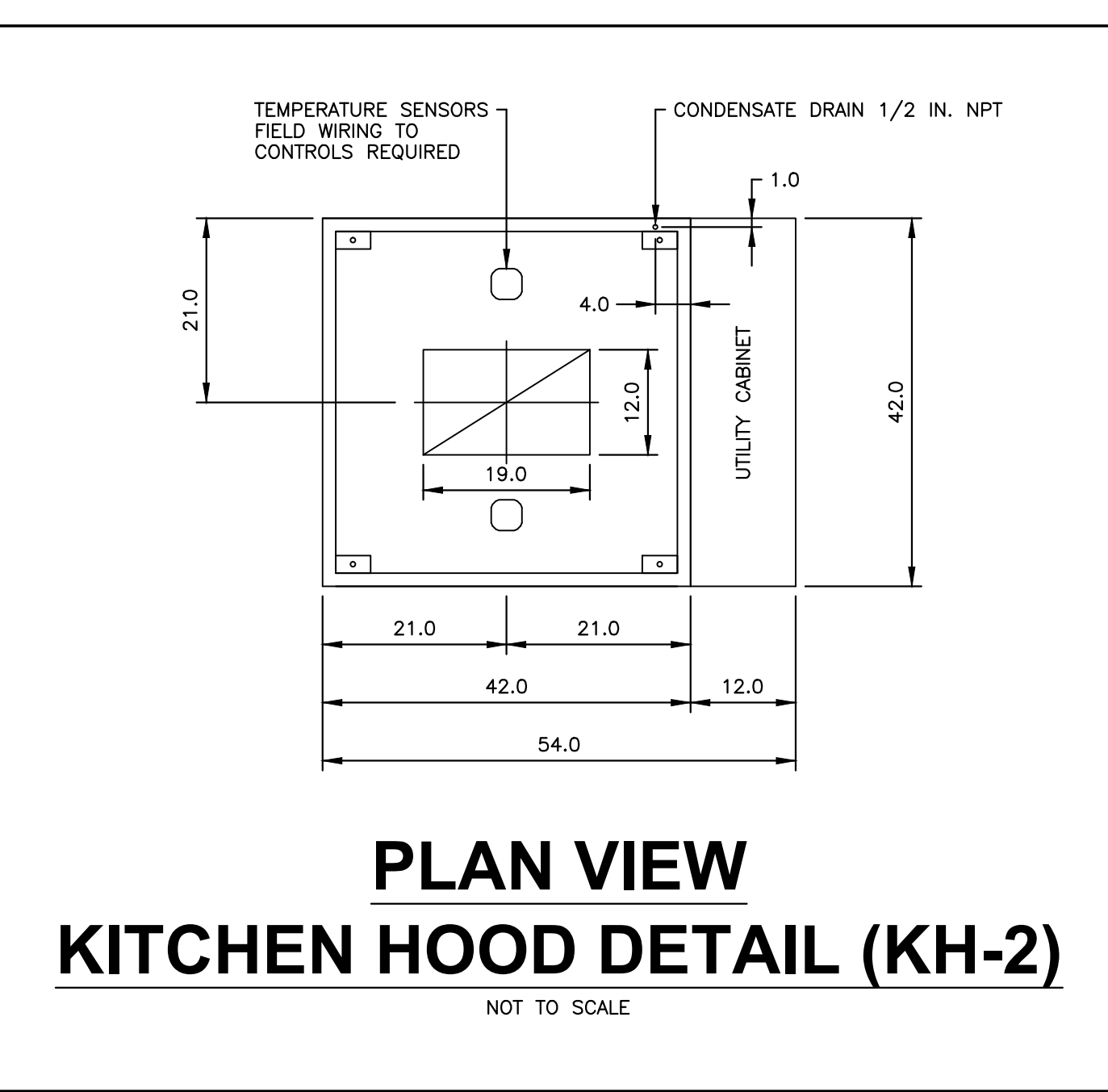
Project Number: 22-1189
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Revisions:

Sheet Description

HVAC DETAILS

Sheet Number

M2.5



HVAC DETAILS

WHORTON ENGINEERING, INC.
HVAC - PLUMBING - PROCESS CONTROL

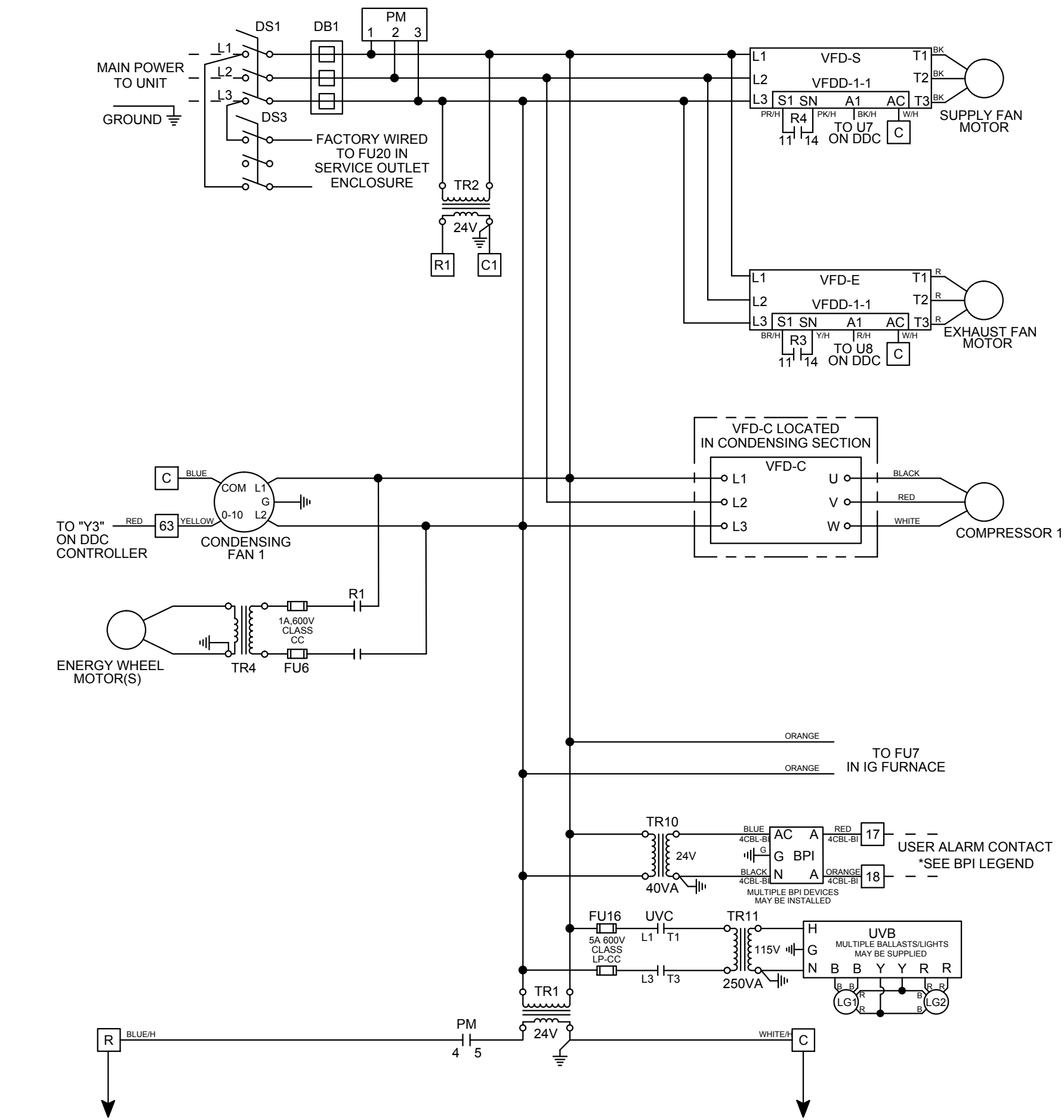
Randall Whorton
RANDALL WHORTON, P.E.
PHONE: (256) 820-9897

DATE: 06-03-2024
25 SUMMERBALL GATE ROAD
ANNISTON, ALABAMA 36805

Professional Engineer Seal for Randall Whorton, No. 14192, State of Alabama.

WHORTON ENGINEERING PROJECT NO. 23198

CHOCTAW CO. JAIL - HVAC CONTROLS DIAGRAM FOR TOTAL ENERGY RECOVERY UNIT (GPU-1 / GPU-2)



TYPICAL WIRING DIAGRAM FOR TOTAL ENERGY RECOVERY UNIT
NOT TO SCALE (GPU-1 / GPU-2)



Wiring Diagram Code:
G22Q1F1AM50X25C07HA23H0030BH29

CAUTION
UNIT SHALL BE GROUNDED IN ACCORDANCE WITH N.E.C. POWER MUST BE OFF WHILE SERVICING.

NOTES
USE COPPER CONDUCTORS ONLY.
60° C FOR TERMINALS RATED LESS THAN 100 AMPS.
75° C FOR TERMINALS RATED 100 AMPS OR MORE.
FIELD CONTROL WIRING RESISTANCE SHOULD NOT EXCEED 0.75 OHM.
FIELD WIRED - - - - -
FACTORY SUPPLIED AND WIRED _____

WIRE COLOR CODE

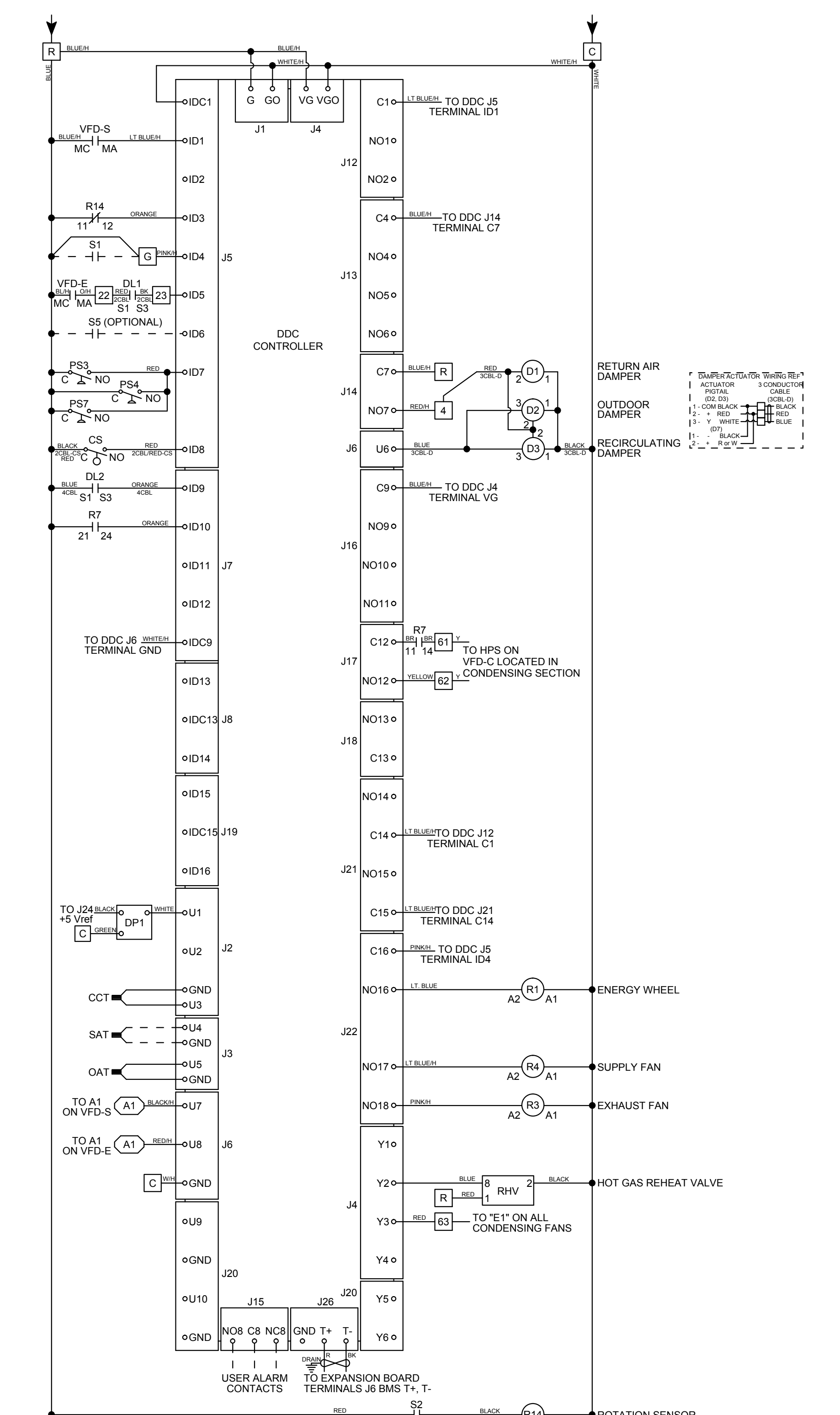
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PK	PINK	PR	PURPLE	R	RED
W	WHITE	Y	YELLOW		

LEGEND

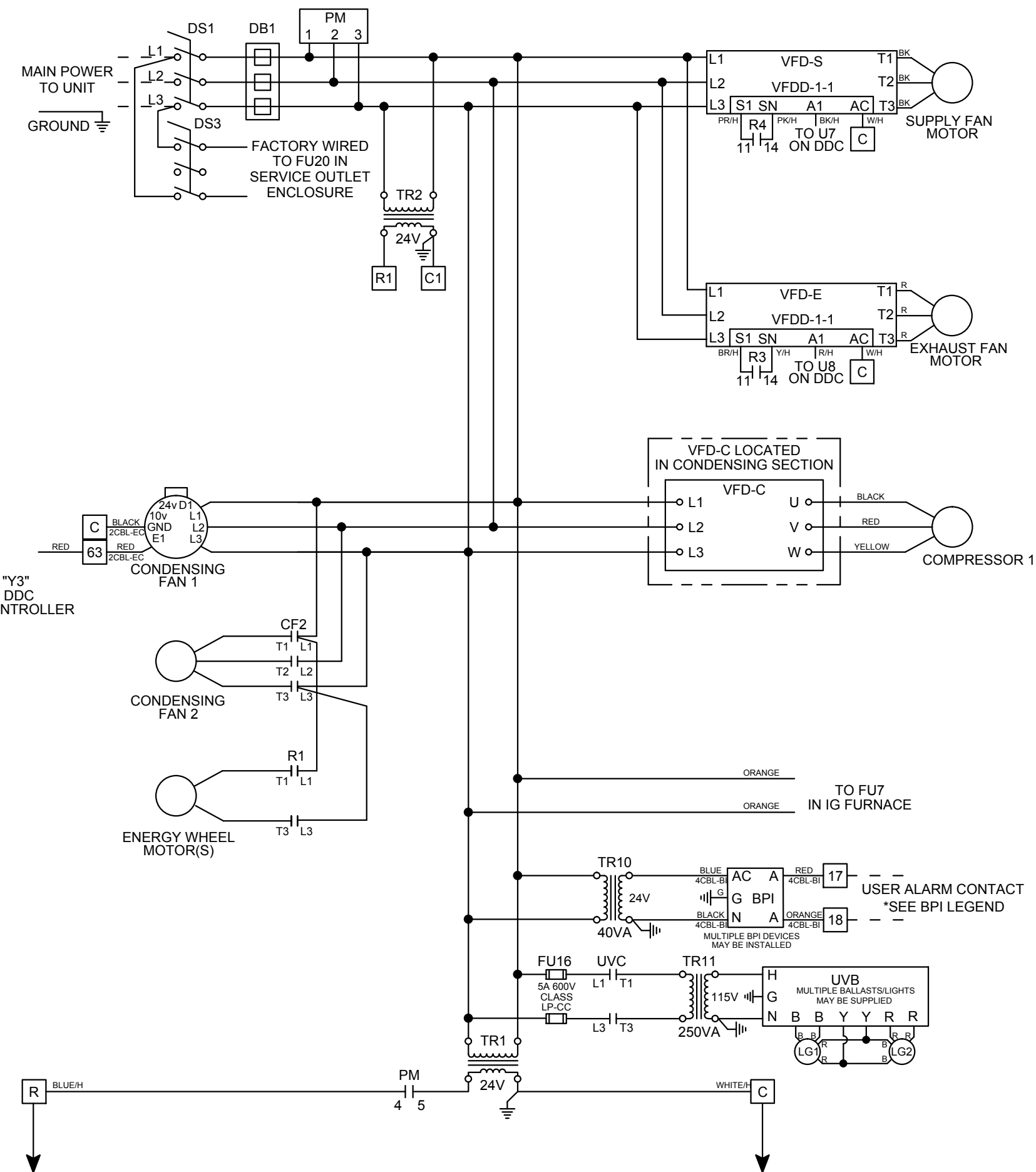
DB4 POWER DISTRIBUTION BLOCK
DS DISCONNECT SWITCH
F1 FUSES
L68 GERMICIDAL UV LAMP
PM PHASE VOLTAGE MONITOR
R1 ENERGY WHEEL CONTACTOR
R2 SUPPLY BLOWER VFD RELAY
R3 EXHAUST BLOWER VFD RELAY
R4 TRANSFORMER
TR ENERGY WHEEL CONTACTOR
TR2 UV LIGHT BALLAST
TR4 UV LIGHT CONTACTOR
UVB VARIABLE FREQUENCY DRIVE

Wiring Template: H29 DOC NUMBER: 2888496 REV: 6

CHOCTAW CO. JAIL - HVAC CONTROLS DIAGRAM FOR TOTAL ENERGY RECOVERY UNIT (GPU-1 / GPU-2)



CHOCTAW CO. JAIL - HVAC CONTROLS DIAGRAM FOR TOTAL ENERGY RECOVERY UNIT (RTU-2 / RTU-3)



TYPICAL WIRING DIAGRAM FOR TOTAL ENERGY RECOVERY UNIT
NOT TO SCALE (RTU-2 / RTU-3)



Wiring Diagram Code: G22Q1F1AM50X45C07HH23H0030BH29

CAUTION
UNIT SHALL BE GROUNDED IN ACCORDANCE WITH N.E.C. POWER MUST BE OFF WHILE SERVICING.

NOTES
USE COPPER CONDUCTORS ONLY.
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75° C FOR TERMINALS RATED 100 AMPS OR MORE.
FIELD CONTROL WIRING RESISTANCE SHOULD NOT EXCEED 0.75 OHM.

WIRE COLOR CODE

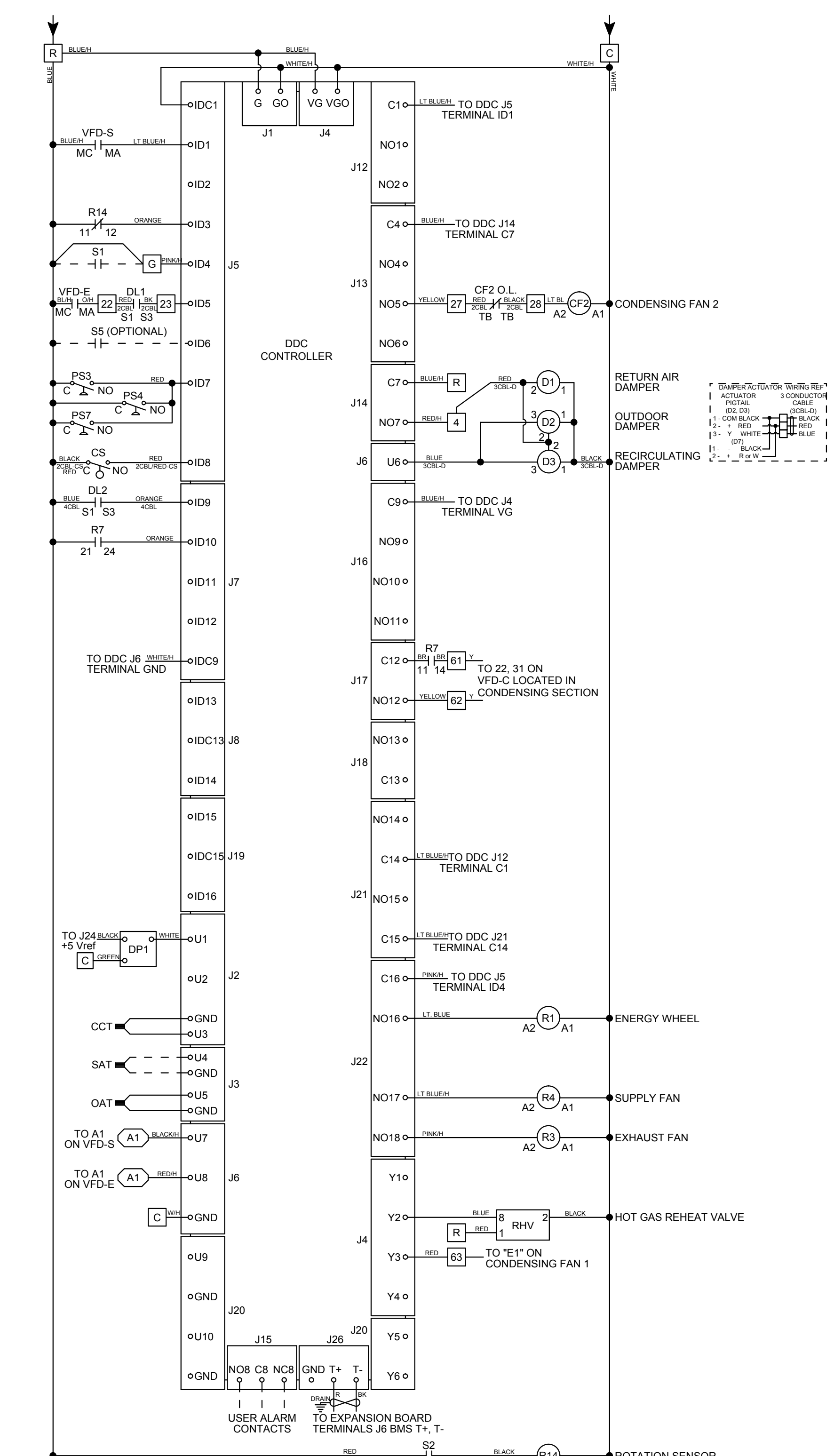
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GY	GRAY	LT BL	LIGHT BLUE	O	ORANGE
PK	PINK	PR	PURPLE	R	RED
W	WHITE	Y	YELLOW		

LEGEND

DB4	POWER DISTRIBUTION BLOCK
DS	DISCONNECT SWITCH
DT1	DISCHARGE LINE TEMP CKT A
LSF	GERMICIDAL UV LAMP
PM	PHASE VOLTAGE MONITOR
R1	ENERGY WHEEL CONTACTOR
R3	EXHAUST BLOWER VFD RELAY
R4	SUPPLY BLOWER VFD RELAY
TR8	TRANSFORMER
UVB	UV LIGHT BALLAST
UVC	UV LIGHT CONTACTOR
VFD	VARIABLE FREQUENCY DRIVE

Wiring Template: H29 DOC NUMBER: 2888496 REV: 6

CHOCTAW CO. JAIL - HVAC CONTROLS DIAGRAM FOR TOTAL ENERGY RECOVERY UNIT (RTU-2 / RTU-3)



TYPICAL WIRING DIAGRAM FOR TOTAL ENERGY RECOVERY UNIT
NOT TO SCALE (RTU-2 / RTU-3)



Wiring Diagram Code: G22Q1F1AM50X45C07HH23H0030BG29

CAUTION
UNIT SHALL BE GROUNDED IN ACCORDANCE WITH N.E.C. POWER MUST BE OFF WHILE SERVICING.

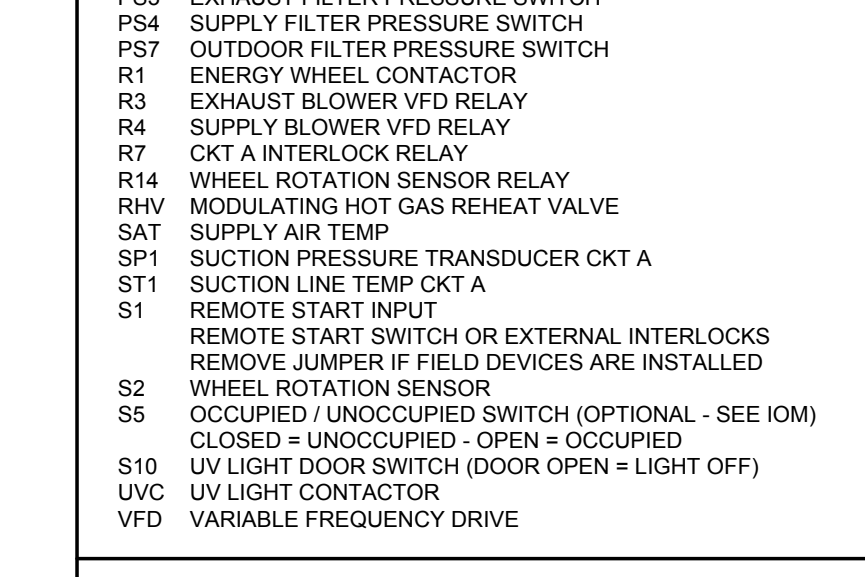
NOTES
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60° C FOR TERMINALS RATED LESS THAN 100 AMPS.
75° C FOR TERMINALS RATED 100 AMPS OR MORE.
FIELD CONTROL WIRING RESISTANCE SHOULD NOT EXCEED 0.75 OHM.

WIRE COLOR CODE

BK	BLACK	BL	BLUE	BR	BROWN
GY	GRAY	LT BL	LIGHT BLUE	O	ORANGE
PK	PINK	PR	PURPLE	R	RED
W	WHITE	Y	YELLOW		

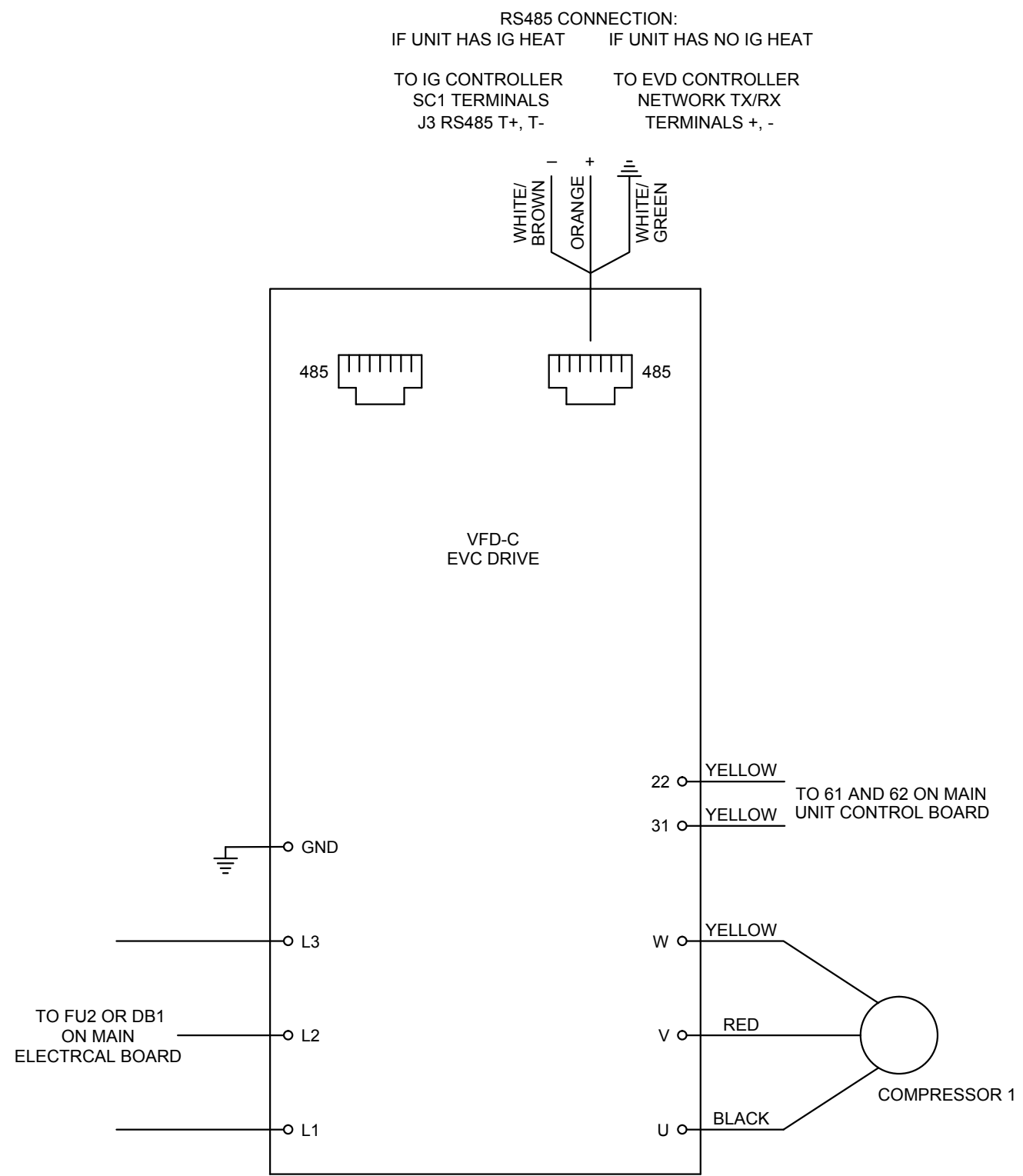
LEGEND

AC	AIRFLOW MONITORING CONTROLLER(S)
CCT	COOLING COIL LEAVING TEMP
CS	CONDENSATE OVERFLOW SWITCH
D1	RETURN AIR DAMPER
D2	OUTDOOR AIR DAMPER
D3	RECIRC AIR DAMPER
D4	DAMPER LIMIT SWITCH
DP1	DISCHARGE PRESSURE TRANSDUCER CKT A
DT1	DISCHARGE LINE TEMP CKT A
EVV	ELECTRONIC EXPANSION VALVE
HPS#	HIGH PRESSURE SWITCH (MANUAL RESET)
OAT	OUTDOOR AIR TEMP
PS3	EXHAUST FILTER PRESSURE SWITCH
PS4	SUPPLY FILTER PRESSURE SWITCH
PS7	OUTDOOR FILTER PRESSURE SWITCH
R1	ENERGY WHEEL CONTACTOR
R3	EXHAUST BLOWER VFD RELAY
R4	SUPPLY BLOWER VFD RELAY
R7	CKT A INTERLOCK RELAY
RHW	MODULATING HOT GAS REHEAT VALVE
SAT	SUPPLY AIR TEMP
SP1	SUCTION PRESSURE TRANSDUCER CKT A
ST1	SUCTION LINE TEMP CKT A
S1	REMOTE START INPUT
S2	REMOTE START SWITCH OR EXTERNAL INTERLOCKS REMOVE JUMPER IF FIELD DEVICES ARE INSTALLED
S5	WHEEL ROTATION SENSOR
S5	OCCUPIED / UNOCCUPIED SWITCH (OPTIONAL - SEE IOM)
S10	UV LIGHT DOOR SWITCH (DOOR OPEN = LIGHT OFF)
UVC	UV LIGHT CONTACTOR
VFD	VARIABLE FREQUENCY DRIVE



Wiring Template: G29 DOC NUMBER: 2888496 REV: 6

CHOCTAW CO. JAIL - HVAC CONTROLS DIAGRAM FOR TOTAL ENERGY RECOVERY UNIT (RTU-2 / RTU-3)



TYPICAL VFD-C DIAGRAM FOR TOTAL ENERGY RECOVERY UNIT
NOT TO SCALE (RTU-2 / RTU-3)



Wiring Diagram Code: 2937707-A

CAUTION
UNIT SHALL BE GROUNDED IN ACCORDANCE WITH N.E.C. POWER MUST BE OFF WHILE SERVICING.

NOTES
USE COPPER CONDUCTORS ONLY.
60° C FOR TERMINALS RATED LESS THAN 100 AMPS.
75° C FOR TERMINALS RATED 100 AMPS OR MORE.
FIELD CONTROL WIRING RESISTANCE SHOULD NOT EXCEED 0.75 OHM.

WIRE COLOR CODE

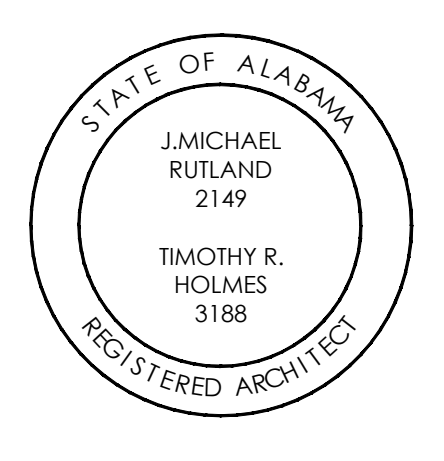
BK	BLACK	BL	BLUE	BR	BROWN
GY	GRAY	LT BL	LIGHT BLUE	O	ORANGE
PK	PINK	PR	PURPLE	R	RED
W	WHITE	Y	YELLOW		

LEGEND

RS485	RS485 CONNECTION
EVC	EVC DRIVE

Wiring Template: EV2 DOC NUMBER: 2888496 REV: 6

JMR+H
Architecture, P.C.
445 Dexter Avenue
Suite 5050
Montgomery, AL 36104
Phone: (334) 420-5672
Fax: (334) 420-5692



CHOCTAW COUNTY JAIL BUTLER, ALABAMA

CONSTRUCTION DOCUMENTS

Project Number: 22-1189
Date: 30 MAY 2024
Revisions:

Sheet Description

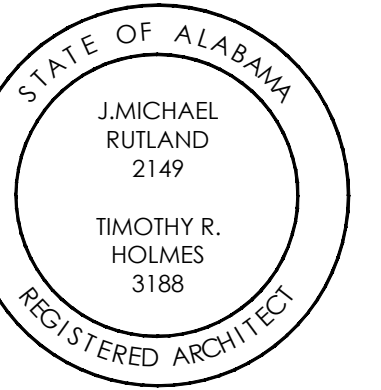
HVAC DETAILS

Sheet Number

M2.7

HVAC DETAILS

WHORTON ENGINEERING, INC.
HVAC - PLUMBING - PROCESS CONTROL
Randall Whorton
DATE: 06-03-2024
RANDALL WHORTON, P.E.
PHONE: (256) 820-9897
25 SUMMERDALE GATE ROAD
ANNISTON, ALABAMA 36905
WHORTON ENGINEERING PROJECT NO. 23198



**CHOCTAW
 COUNTY JAIL
 BUTLER,
 ALABAMA**

**CONSTRUCTION
 DOCUMENTS**

Project Number: 22-1189
 Date: 30 MAY 2024
 Revisions:

Sheet Description

**HVAC VARIABLE
 REFRIGERANT
 FLOW DIAGRAM**

Sheet Number

M2.9

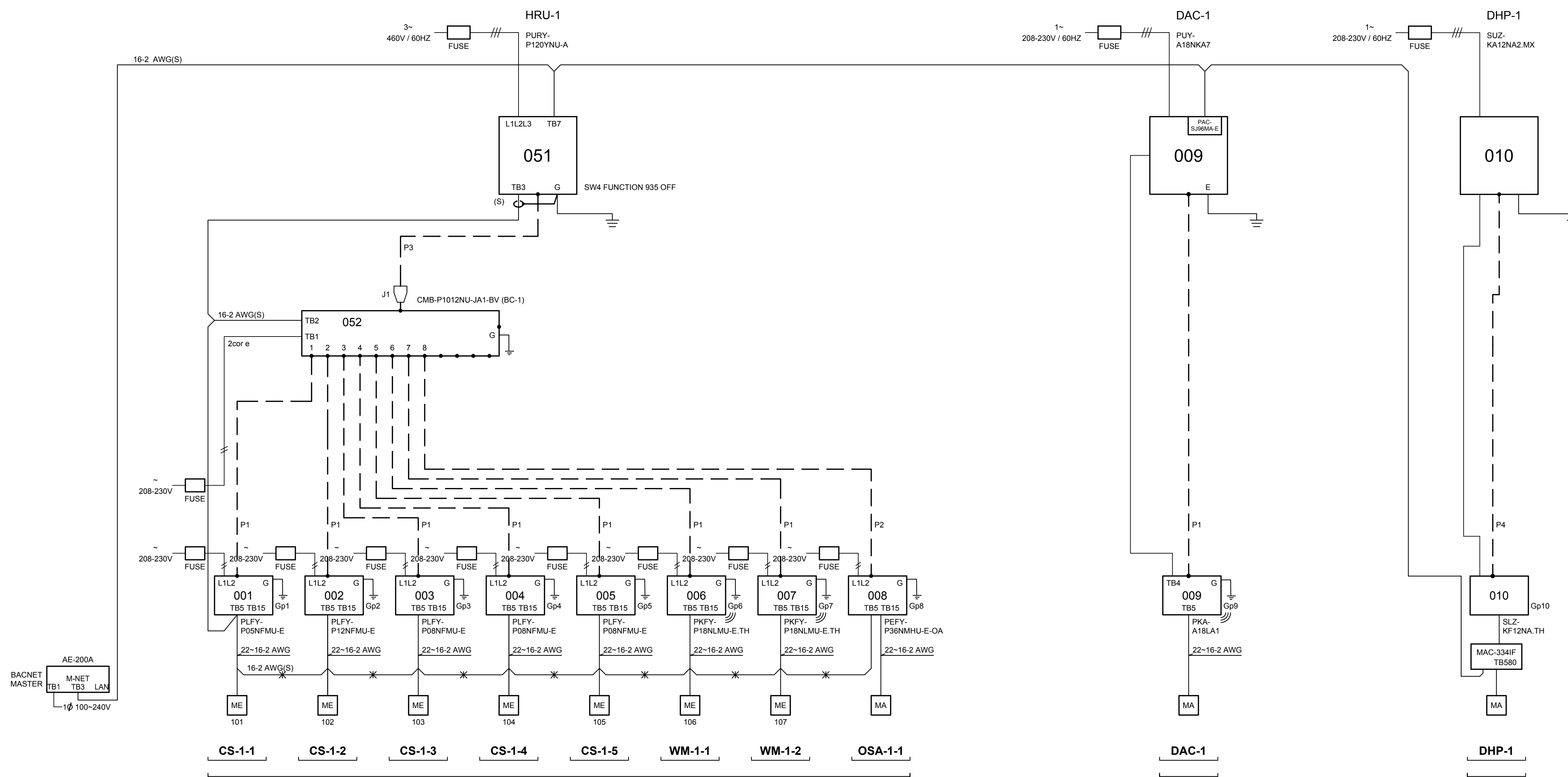
DISPLAY	DESCRIPTION
---	POWER WIRE
---	CONTROL WIRE
---	REF. PIPE

- VRF REFRIGERANT PIPING NOTES**
- ADDITIONAL REFRIGERANT CHARGE IS NEEDED DEPENDING ON THE SIZE AND LENGTH OF EXTENDED PIPING. COORDINATE WITH EQUIPMENT MANUFACTURER.
 - CONTRACTOR'S VENDOR SHALL PROVIDE REFRIGERANT LINE FINAL SIZES, LENGTHS, ETC. PER MANUFACTURER'S RECOMMENDATION. SUBMITTAL DRAWINGS SHALL INCLUDE CONTROLS, LINE SIZES, ETC. CONTRACTOR SHALL COORDINATE SIZES SHOWN ON PLANS WITH ACTUAL EQUIPMENT QUOTED PRIOR TO BIDDING.
 - FURNISH AND INSTALL FACTORY PRE-INSULATED REFRIGERANT LINE SETS.
 - FURNISH AND INSTALL FACTORY BALL VALVES ON ALL PORTS OF BRANCH CONTROLLER (BC-1).
 - REFRIGERANT PIPING SHALL BE LABELED TO MATCH ASSOCIATED INDOOR AND OUTDOOR UNIT.
 - ALL EXPOSED INTERIOR REFRIGERANT PIPING SHALL BE ROUTED IN SCHEDULE 40 PVC. PRIME AND PAINT TO MATCH ADJACENT SURFACES. VERIFY PAINT COLOR WITH ARCHITECT.
 - USE INSULATED REFRIGERANT PIPING CLAMPS WHERE REFRIGERANT PIPING IS INSULATED.
 - EACH LINE SET SHALL INCLUDE FACTORY BALL VALVES FOR UNIT ISOLATION (DAC-1 AND DHP-1).

**PIPING AND
 CONTROLS LIST**

SYMBOL	BRANCH PIPE MODEL NAME
J1	CMY-R302S-G1
SYMBOL	LIQUID PIPE/GAS PIPE SIZE
P1	1/4 / 1/2
P2	3/8 / 5/8
P3	3/4 / 1-1-8
P4	1/4 / 3/8
SYMBOL	THERMOSTAT MODEL NUMBER
ME	PAR-U01MEDU-K (TYPICAL)
MA	PAR-30MAGA-J (OSA-1-1)
MA	PAR-40MAAU (DAC-1 AND DHP-1)

NOTES: * IF THE THERMOSTAT WIRING GREATER THAN 32' THEN USE 16-2 AWG ONLY.



VARIABLE REFRIGERANT FLOW DIAGRAM FOR HRU-1 / DAC-1 / DHP-1

NOT TO SCALE

HVAC VARIABLE REFRIGERANT FLOW DIAGRAM

WHORTON ENGINEERING, INC.
 HVAC - PLUMBING - PROCESS CONTROL

Randall Whorton
 RANDALL WHORTON, P.E.
 PHONE: (256) 820-9897



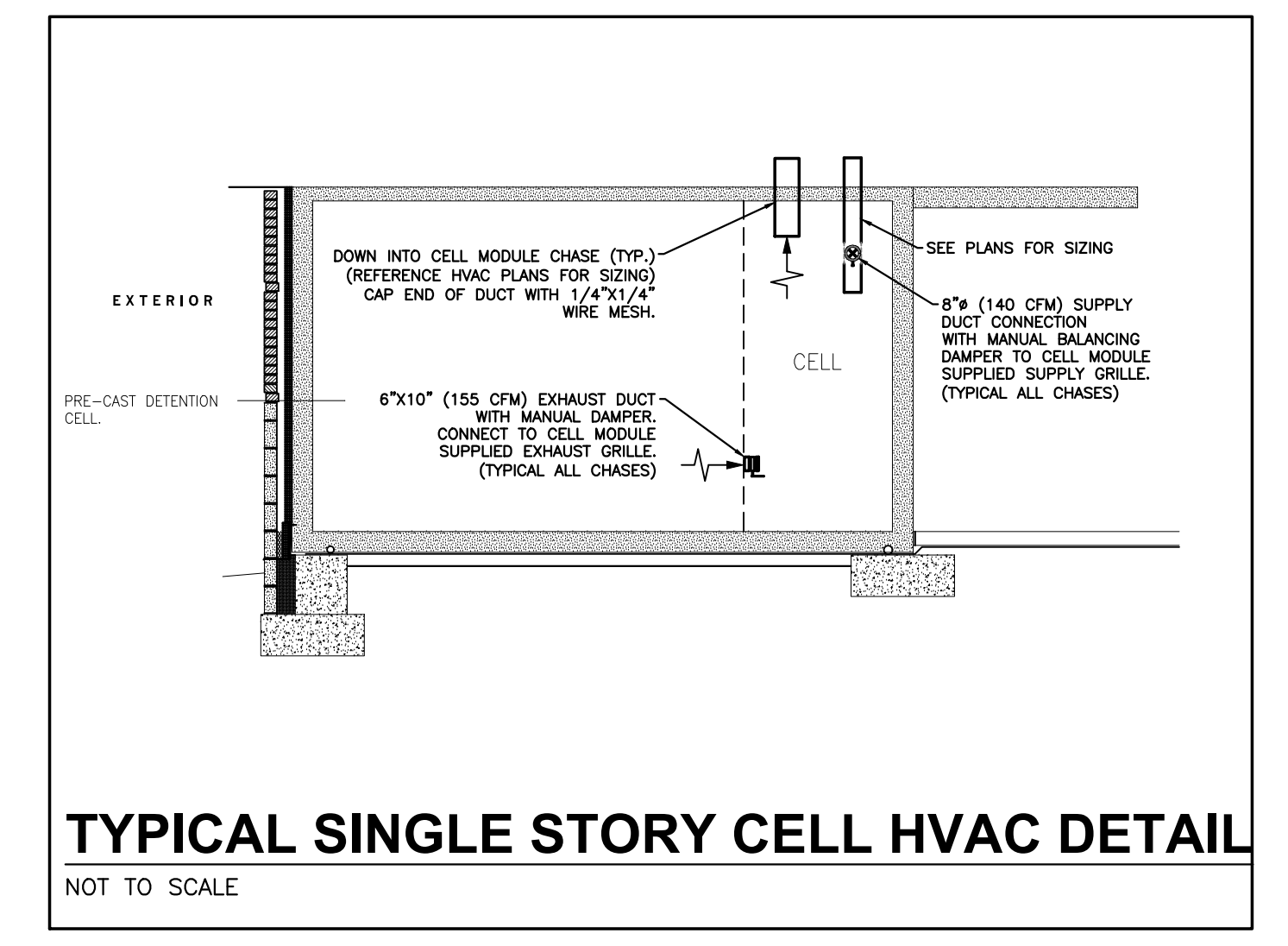
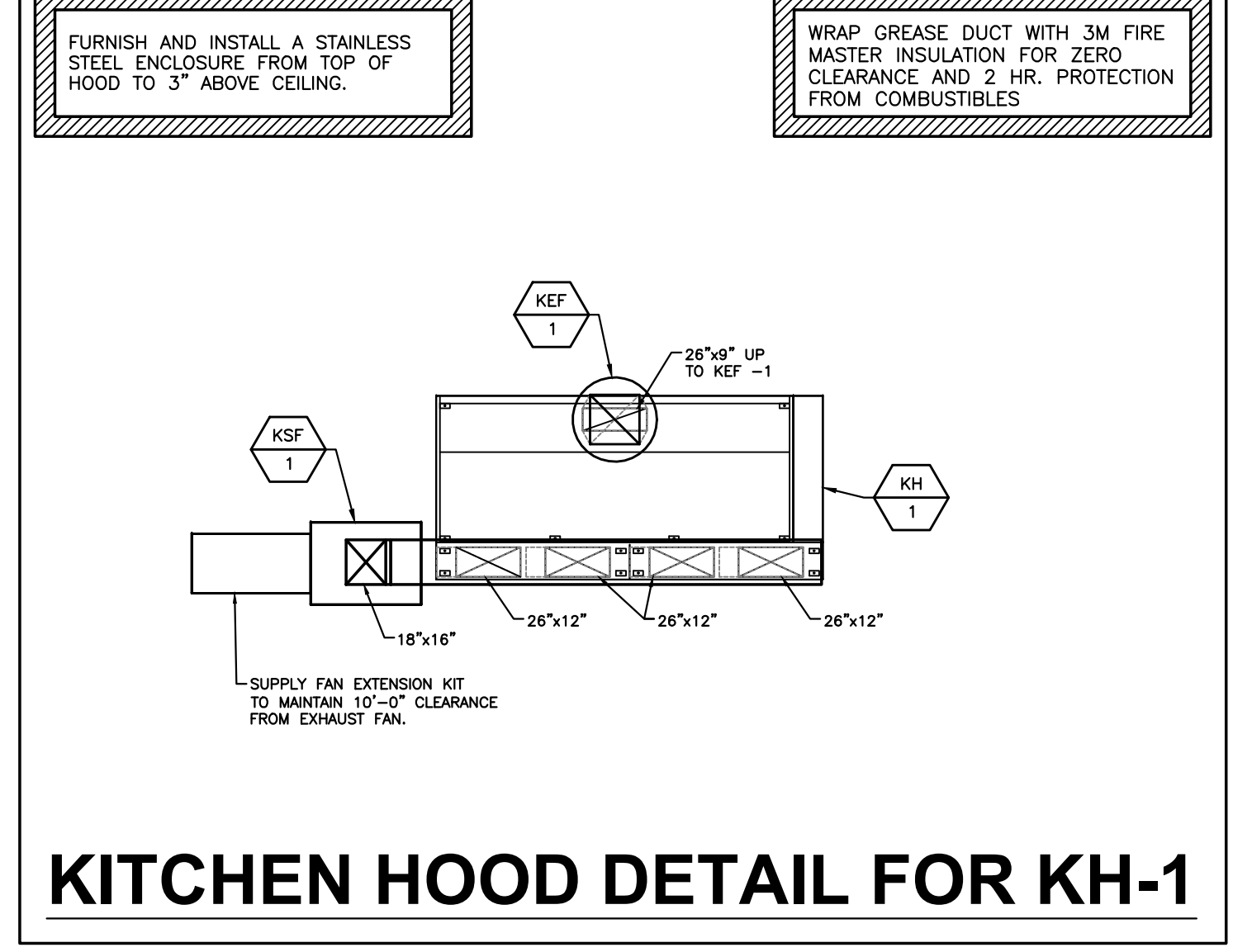
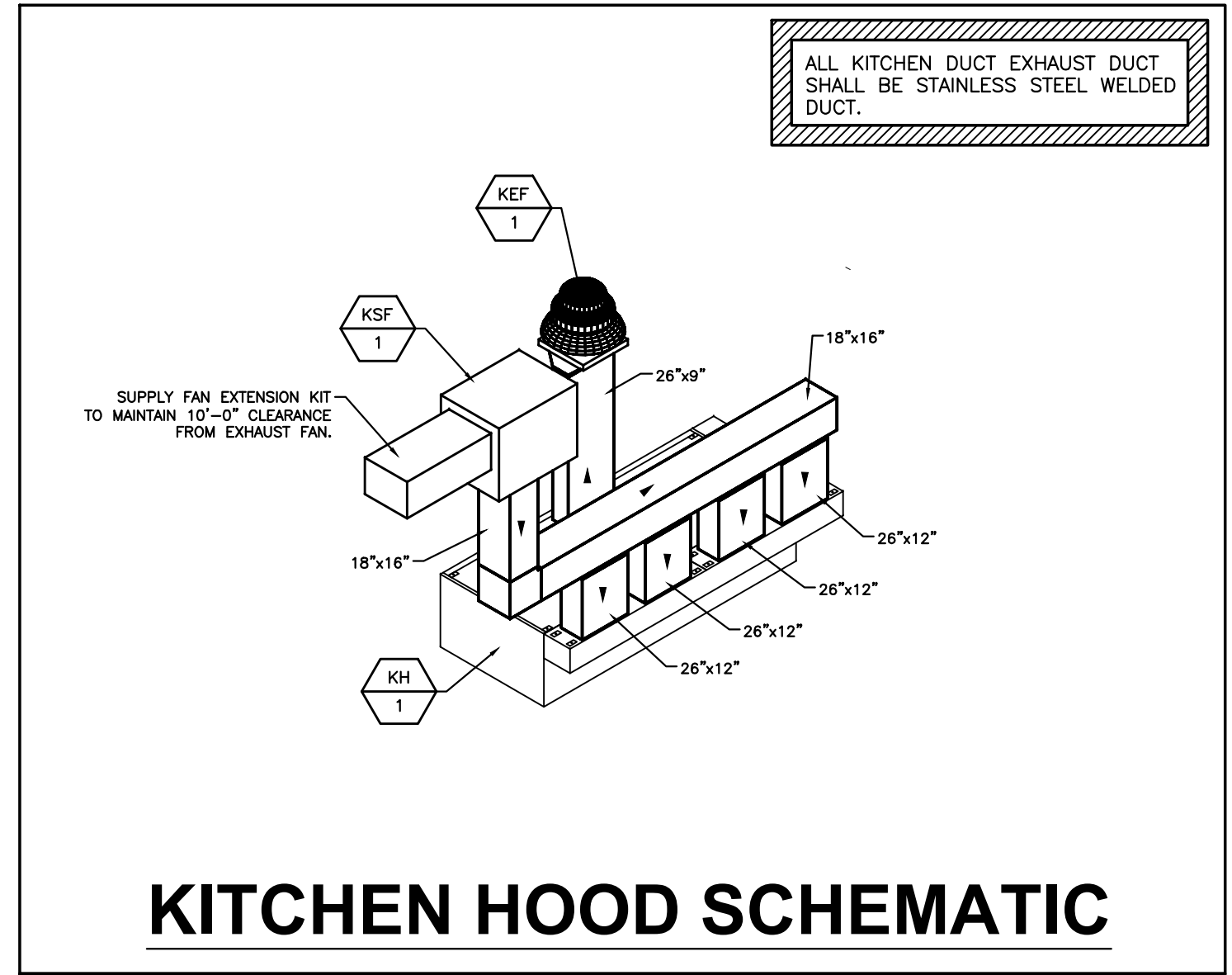
KEY NOTES

KEY	NOTE	DUCT / OPENING SIZE	TYPE	NORMAL CFM	SMOKE CFM	EVAC CFM
1	12" DIA	SUPPLY	175	315		
2	12" DIA	RETURN	350	625		
3	10" DIA	SUPPLY	215	315		
4	12" DIA	RETURN	430	625		
5	10" DIA	SUPPLY	280	450		
6	10" DIA	RETURN	310	450		
7	8" DIA	SUPPLY	140	225		
8	10" DIA	RETURN	155	225		
9	10" DIA	SUPPLY	200	437.5		
10	12" DIA	RETURN	250	875		
11	12" DIA	SUPPLY	250	550		
12	14" DIA	RETURN	390	1100		
13	8" DIA	SUPPLY	140	230		
14	10" DIA	SUPPLY	250	400		
15	12" DIA	RETURN	320	605		
16	10" DIA	SUPPLY	280	280		
17	10" DIA	RETURN	310	310		

DIFFUSER SCHEDULE

TAG	KEY	SMOKE EVAC CFM	NORMAL CFM	DUCT RUNOUT	SIZE	NECK SIZE	QTY	MRG	MODEL NUMBER	TYPE	NOTES
SWS-1	N/A	N/A	100	10"X6"	12"X12"	12"X12"	1	TITUS	SG-PS	SUPPLY	
SWS-1	1	250	140	8" DIA	8" DIA	8" DIA	6	TITUS	SG-PS	SUPPLY	DOOR GRILLE
ATG-1	N/A	N/A	100	N/A	12"X12"	N/A	1	TITUS	CT-700	TRANSFER	
SSG-1	1	300	140	8" DIA	8" DIA	8" DIA	1	TITUS	SG-PS	SUPPLY	
SSG-1	1	300	300	12"X12"	12"X12"	12"X12"	1	TITUS	SG-PS	EXHAUST	
SG-1	1	250	250				6	TITUS	SG-PS	EXHAUST	
RG-1	1	300	170	10" DIA	24" X 24"	23"X23"	1	TITUS	SG-PS	RETURN	
RG-1	2	1510	805	16"X14"	24" X 24"	23"X23"	1	TITUS	SG-PS	RETURN	
RG-1	3	305	135	10" DIA	24" X 24"	23"X23"	1	TITUS	SG-PS	RETURN	
RG-1	4	225	225	10" DIA	24" X 24"	23"X23"	1	TITUS	SG-PS	RETURN	
RG-1	5	510	150	12" DIA	24" X 24"	23"X23"	1	TITUS	SG-PS	EXHAUST	
RG-1	6	180	145	10" DIA	24" X 24"	23"X23"	1	TITUS	SG-PS	RETURN	
RG-1	7	400	400	12"X10"	24" X 24"	23"X23"	1	TITUS	SG-PS	RETURN	
RG-1	8	655	150	12"X12"	24" X 24"	23"X23"	1	TITUS	SG-PS	RETURN	
RG-1	9	875	250	12"X12"	24" X 24"	23"X23"	2	TITUS	SG-PS	RETURN	
RG-1	10	625	350	12"X12"	24" X 24"	23"X23"	1	TITUS	SG-PS	RETURN	
RG-1	11	625	430	12"X12"	24" X 24"	23"X23"	1	TITUS	SG-PS	RETURN	
RG-1	12	1100	390	14"X12"	24" X 24"	23"X23"	4	TITUS	SG-PS	RETURN	
RG-1	13	605	330	12"X12"	24" X 24"	23"X23"	4	TITUS	SG-PS	RETURN	
RG-1	14	1135	280	14" DIA	24" X 24"	23"X23"	1	TITUS	SG-PS	RETURN	
RG-1	15	1400	800	14"X14"	24" X 24"	23"X23"	1	TITUS	SG-PS	RETURN	
SD-1	1	300	170	10" DIA	24" X 24"	10" DIA	1	TITUS	SG-PS	SUPPLY	
SD-1	2	305	245	10" DIA	24" X 24"	10" DIA	1	TITUS	SG-PS	SUPPLY	
SD-1	3	603	280	12" DIA	24" X 24"	12" DIA	2	TITUS	SG-PS	SUPPLY	
SD-1	4	225	170	10" DIA	24" X 24"	10" DIA	1	TITUS	SG-PS	SUPPLY	
SD-1	5	200	200	10" DIA	24" X 24"	10" DIA	1	TITUS	SG-PS	SUPPLY	
SD-1	6	615	190	12" DIA	24" X 24"	12" DIA	1	TITUS	SG-PS	SUPPLY	
SD-2	1	315	175	10" DIA	24" X 24"	10" DIA	2	TITUS	SG-PS	SUPPLY	
SD-2	2	315	215	10" DIA	24" X 24"	10" DIA	2	TITUS	SG-PS	SUPPLY	
SD-2	3	437.5	200	10" DIA	24" X 24"	10" DIA	4	TITUS	SG-PS	SUPPLY	
SD-2	4	550	250	12" DIA	24" X 24"	12" DIA	8	TITUS	SG-PS	SUPPLY	
SD-2	5	400	250	10" DIA	24" X 24"	10" DIA	6	TITUS	SG-PS	SUPPLY	
SD-2	6	305	135	8" DIA	24" X 24"	8" DIA	1	TITUS	SG-PS	SUPPLY	
SD-2	7	510	150	12" DIA	24" X 24"	12" DIA	1	TITUS	SG-PS	SUPPLY	
SD-2	8	180	145	8" DIA	24" X 24"	8" DIA	1	TITUS	SG-PS	SUPPLY	
SD-2	9	1135	280	14" DIA	24" X 24"	14" DIA	1	TITUS	SG-PS	SUPPLY	
SD-2	10	466	265	12" DIA	24" X 24"	12" DIA	3	TITUS	SG-PS	SUPPLY	
SD-4	1	175	50	8" DIA	24" X 24"	8" DIA	1	TITUS	SG-PS	SUPPLY	
SD-4	2	220	60	8" DIA	24" X 24"	8" DIA	1	TITUS	SG-PS	SUPPLY	
SD-4	3	50	50	8" DIA	17"X17"	8" DIA	1	TITUS	TDC	SUPPLY	
SD-4	4	90	70	8" DIA	17"X17"	8" DIA	1	TITUS	SG-PS	SUPPLY	
SD-4	5	210	105	8" DIA	17"X17"	8" DIA	1	TITUS	SG-PS	SUPPLY	
SD-5	N/A	N/A	50	8" DIA	17"X17"	17"X17"	2	TITUS	TDC	SUPPLY	
SD-5	N/A	N/A	100	8" DIA	17"X17"	17"X17"	2	TITUS	TDC	SUPPLY	

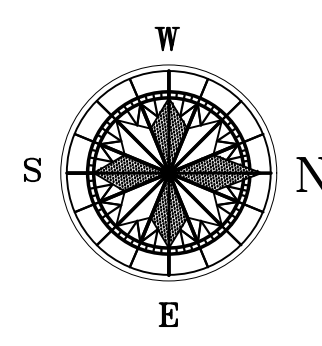
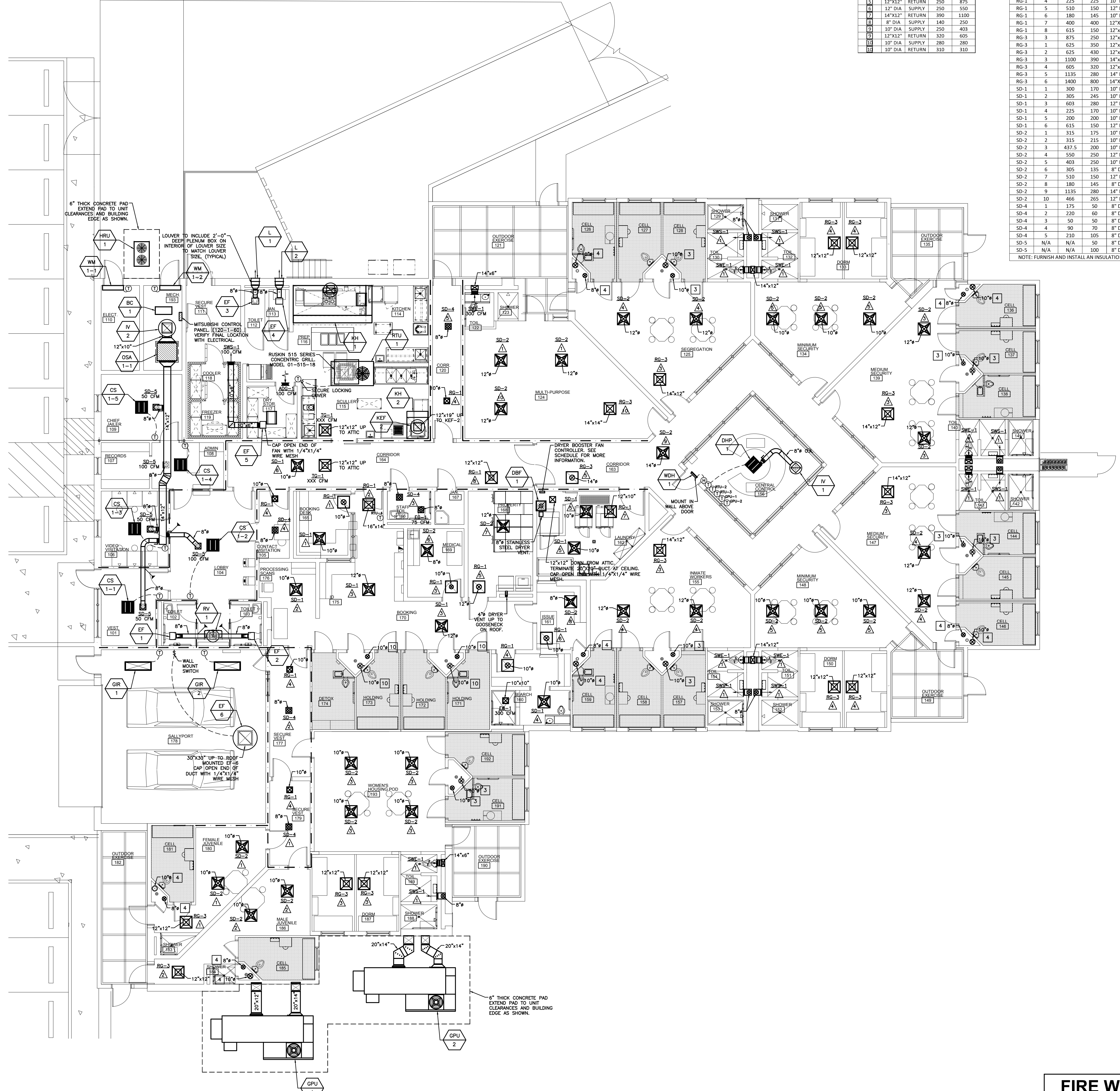
NOTE: FURNISH AND INSTALL AN INSULATION BLANKET ON THE BACK OF ALL CEILING MOUNTED DIFFUSERS AND GRILLES.



AREA LEGEND

PRE-FABRICATED PRISON CELL, INCLUDING PRISON CELL SUPPLY & RETURN GRILLE, SHALL BE SUPPLIED BY MODULE MANUFACTURER. SEE ARCHITECTURAL PLANS FOR FURTHER SPECIFICATION AND DETAILING. ALL ASSOCIATED HVAC SUPPLY & RETURN DUCT WORK WITHIN PRISON CELL CHASE, SHALL BE SUPPLIED AND INSTALLED BY HVAC CONTRACTOR.

- ### SHEET NOTES
- MECHANICAL CONTRACTOR SHALL FULLY COORDINATE LOCATION AND ROUTING OF ALL UNITS, DUCTWORK, FANS, VENTS, ETC. IN DETAIL WITH THE ROOFING CONTRACTOR.
 - HOLD ALL DUCT AS HIGH AS POSSIBLE.
 - REFERENCE PLUMBING DRAWINGS FOR CONDENSATE PIPING.
 - COORDINATE ALL CURBS AND LOCATIONS WITH ROOFING CONTRACTOR.
 - MECHANICAL CONTRACTOR SHALL SUPPLY AND INSTALL SECURITY BAR GRATE IN ALL ROOF/WALL/FLOOR OPENINGS 6"X6" OR GREATER. REFERENCE BAR GRATE DETAIL.
 - ALL EXPOSED DUCTWORK IN FINISHED AREAS SHALL BE INTERNALLY INSULATED.
 - PRIME AND PAINT ALL EXPOSED DUCTWORK. VERIFY FINAL COLOR WITH ARCHITECT.
 - IN AREAS OF RETURN AIR PLENUM ON FIRST FLOOR, PROVIDE OPENINGS/RETURN AIR PATH WHERE WALLS EXTEND TO DECK. OPENINGS IN FIRE WALLS SHALL BE INSTALLED WITH FIRE DAMPERS.
 - WHERE UNITS ARE LOCATED WITHIN TEN (10) FEET OF ROOF EDGE, GUARDS ARE REQUIRED. REFERENCE DETAIL FOR ADDITIONAL INFORMATION.



FIRST LEVEL HVAC PLAN

SCALE: 1/8" = 1'-0"
 0' 5' 10' 20'
 SCALE

FIRE WALL LEGEND

1 HOUR WALL - - - - -

REFERENCE PLUMBING PLANS FOR CONDENSATE PIPING

WHORTON ENGINEERING, INC.
 HVAC - PLUMBING - PROCESS CONTROL

Randall Whorton
 RANDALL WHORTON, P.E.
 PHONE: (256) 820-9897

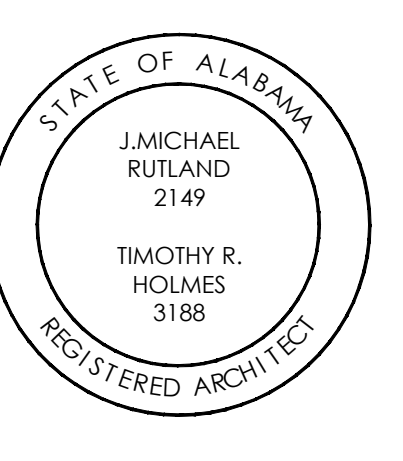
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 25 SUMMERHALL GATE ROAD
 ANNISTON, ALABAMA 36605

Professional Engineer Seal: No. 14192, State of Alabama, Registered Architect

WHORTON ENGINEERING PROJECT NO. 23198

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**CHOCTAW COUNTY JAIL
 BUTLER,
 ALABAMA**

CONSTRUCTION DOCUMENTS

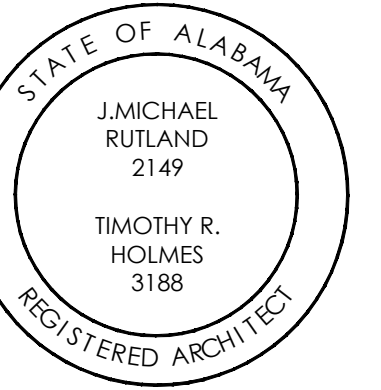
Project Number: 22-1189
 Date: 30 MAY 2024
 Revisions:

Sheet Description

FIRST LEVEL HVAC PLAN

Sheet Number

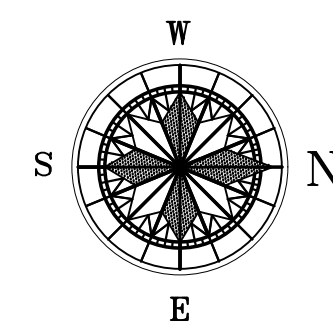
M3.1



CHOCTAW
COUNTY JAIL
BUTLER,
ALABAMA

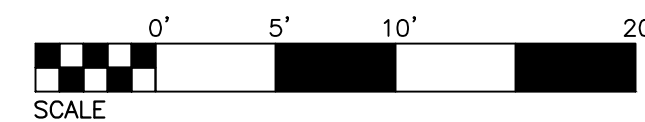
SHEET NOTES

- 1 MECHANICAL CONTRACTOR SHALL FULLY COORDINATE LOCATION AND ROUTING OF ALL UNITS, DUCTWORK, FANS, VENTS, ETC. IN DETAIL WITH THE ROOFING CONTRACTOR.
- 2 HOLD ALL DUCT AS HIGH AS POSSIBLE.
- 3 REFERENCE PLUMBING DRAWINGS FOR CONDENSATE PIPING.
- 4 COORDINATE ALL CURBS AND LOCATIONS WITH ROOFING CONTRACTOR.
- 5 MECHANICAL CONTRACTOR SHALL SUPPLY AND INSTALL SECURITY BAR GRATE IN ALL ROOF/WALL/FLOOR OPENINGS 6"x6" OR GREATER. REFERENCE BAR GRATE DETAIL.
- 6 ALL EXPOSED DUCTWORK IN FINISHED AREAS SHALL BE INTERNALLY INSULATED.
- 7 PRIME AND PAINT ALL EXPOSED DUCTWORK. VERIFY FINAL COLOR WITH ARCHITECT.
- 8 IN AREAS OF RETURN AIR PLENUM ON FIRST FLOOR, PROVIDE OPENINGS/RETURN AIR PATH WHERE WALLS EXTEND TO DECK. OPENINGS IN FIRE WALLS SHALL BE INSTALLED WITH FIRE DAMPERS.
- 9 WHERE UNITS ARE LOCATED WITHIN TEN (10) FEET OF ROOF EDGE, GUARDS ARE REQUIRED. REFERENCE DETAIL FOR ADDITIONAL INFORMATION.



HVAC ROOF PLAN

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



REFERENCE PLUMBING PLANS FOR CONDENSATE PIPING

WHORTON ENGINEERING, INC.

HVAC - PLUMBING - PROCESS CONTROL

Randall Whorton
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DATE 06-03-2024
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ANNISTON, ALABAMA 36205



CONSTRUCTION
DOCUMENTS

Project Number: 22-1189

Date: 30 MAY 2024

Revisions:

Sheet Description

HVAC ROOF
PLAN

Sheet Number

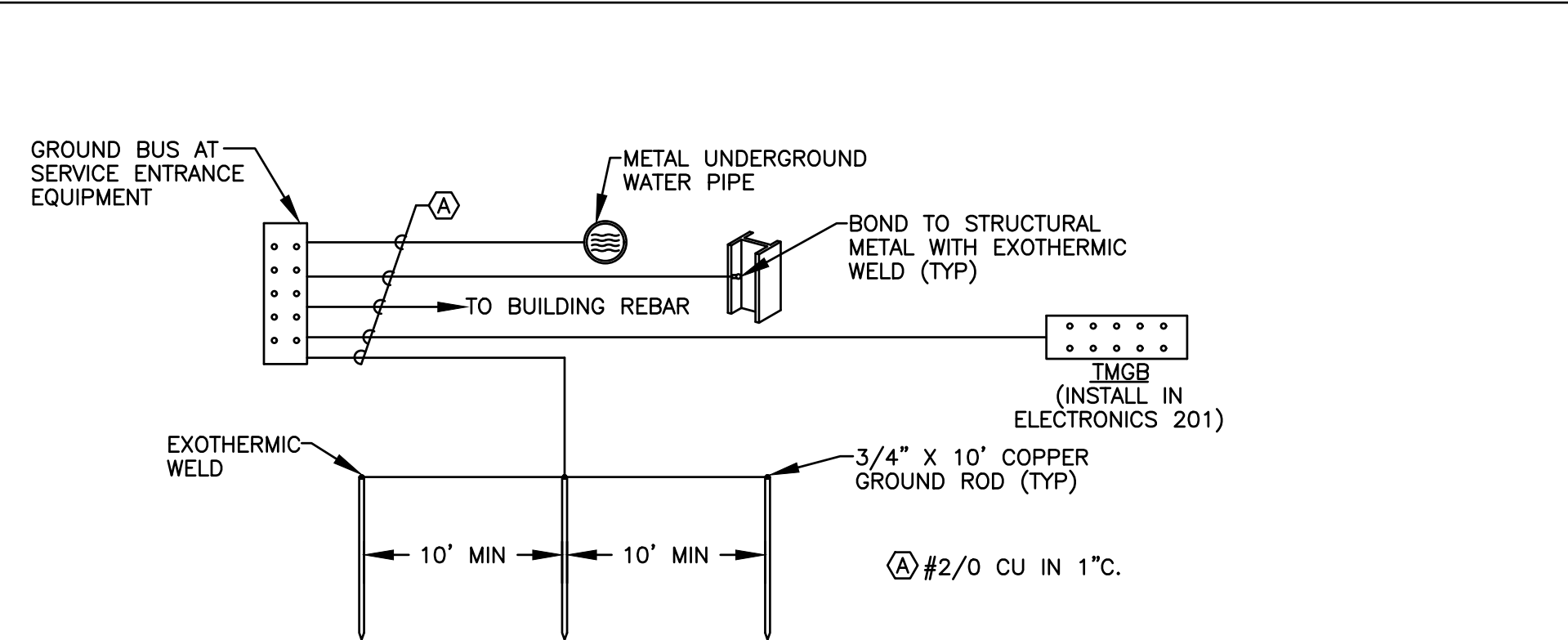
M3.3

PANELBOARD SCHEDULE

MARK	TYPE	MAINS			BRANCHES					LUG LOCATION	TYPE MOUNTING	MINIMUM AIC RATING	REMARKS		
		TYPE	AMPS	SERVICE	1 POLE	2 POLE	3 POLE	SPARES	SPACES						
MPA	I-LINE (HCW)	MB	600	277/480V 3ø, 4W			1-15 2-45 1-100 1-175 1-350	1-100/3 1-225/3	5-100/3PS	BOTTOM	SURFACE	VERIFY WITH UTILITY	SEE NOTES 1, 2, 3, 4 & 6		
DPLSHA	NF	MLO	100	277/480V 3ø, 4W	9-20				6-20/1	15-1PS	BOTTOM	SURFACE	VERIFY WITH UTILITY	SEE NOTE 3	
DPEMH	I-LINE (HCM)	MLO	350	277/480V 3ø, 4W	2-20		1-15 1-20 3-25 1-70 1-225	1-100/3	5-50/3PS	BOTTOM	SURFACE	VERIFY WITH UTILITY	SEE NOTES 3 & 4		
PPEMH1	NF	MLO	225	277/480V 3ø, 4W			3-15 4-25 3-35 2-45		6-20/1	18-1PS	BOTTOM	SURFACE	VERIFY WITH UTILITY	SEE NOTE 3 (TWO SECTION PANEL)	
DPEML	NQOD	MB	175	120/208V 3ø, 4W	4-15 1-20	2-15 1-25			2-100	6-20/1	19-1PS	BOTTOM	SURFACE	VERIFY WITH UTILITY	SEE NOTE 3
RPEM	NQOD	MLO	100	120/208V 3ø, 4W	14-20	2-20			6-20/1	6-1PS	BOTTOM	SURFACE	VERIFY WITH UTILITY	SEE NOTE 3	
KPEM	NQOD	MLO	100	120/208V 3ø, 4W	1-15 2-150F 1-15* 2-20	2-15 1-20			6-20/1	11-1PS	BOTTOM	RECESSED	VERIFY WITH UTILITY	SEE NOTE 3	
DPLA	I-LINE (HCW)	MB	400	120/208V 3ø, 4W	1-20		1-150 1-225		6-20/1	5-50/3PS	BOTTOM	SURFACE	VERIFY WITH UTILITY	SEE NOTES 3 & 4	
RPA	NQOD	MLO	150	120/208V 3ø, 4W	11-20 2-20GF	9-20 1-30GF	1-20		6-20/1	18-1PS	BOTTOM	SURFACE	VERIFY WITH UTILITY	SEE NOTE 3 (TWO SECTION PANEL)	
KPA	NQOD	MLO	225	120/208V 3ø, 4W	3-15 3-15* 1-30 4-20	1-20 1-20GF 1-30 1-30*	1-20 1-40 1-60		6-20/1	5-1PS	BOTTOM	RECESSED	VERIFY WITH UTILITY	SEE NOTE 3	

NOTES:

- PANEL SHALL BE RATED FOR SERVICE ENTRANCE EQUIPMENT.
 - PANEL SHALL BE EQUIPPED WITH BUILT-IN SURGE PROTECTION, CAPABLE OF WITHSTANDING A TRANSIENT SURGE OF 160,000 AMPS.
 - PANEL SHALL BE FULLY RATED AND SHALL HAVE A HINGED FRONT TRIM.
 - I-LINE PANELBOARDS SHALL HAVE MICARTA LABELS BESIDE EACH BREAKER, INDICATING LOAD SERVED.
 - NOT USED.
 - FIELD MARK ELECTRIC SERVICE EQUIPMENT WITH A CONSPICUOUS & PERMANENT LABEL THAT INDICATES THE AVAILABLE FAULT CURRENT PER NEC 110.24.
- GF INDICATES GROUND FAULT BREAKER
* INDICATES SHUNT TRIP BREAKER TIED INTO FIRE ALARM SYSTEM.

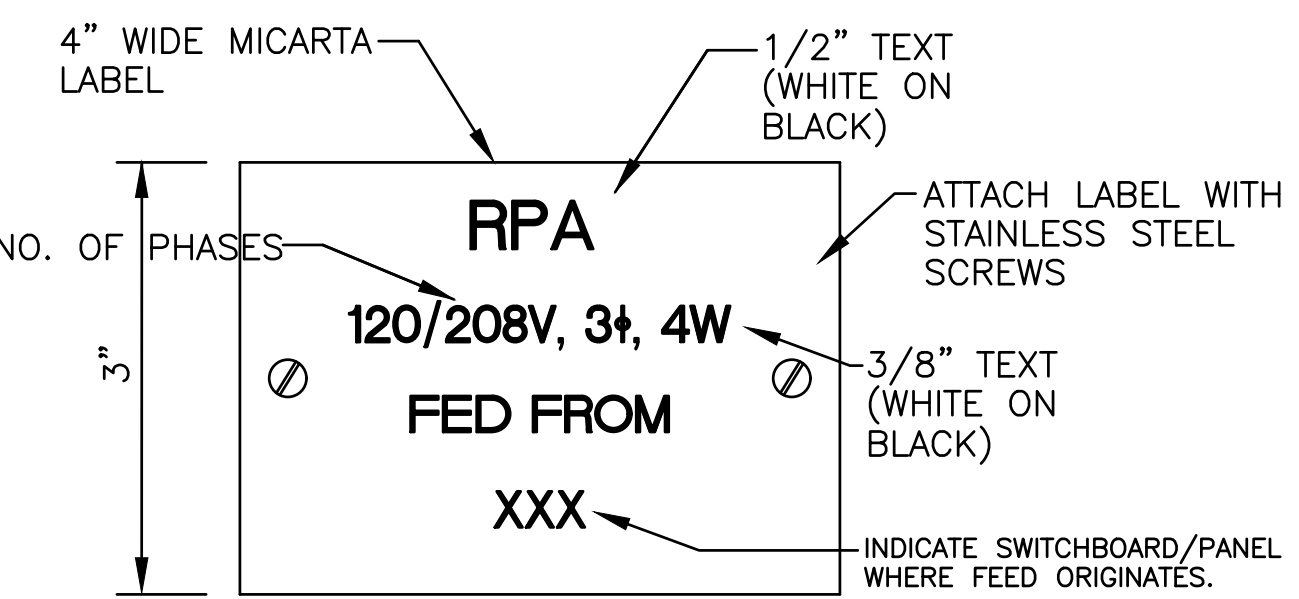


GROUNDING DETAIL

N.T.S.

NOTES:

- ALL GROUNDING CONDUCTORS SHALL BE TERMINATED TO THE BUS BARS BY USING IRREVERSIBLE HIGH COMPRESSION OR PERMANENT EXOTHERMIC CONNECTIONS. HIGH COMPRESSION LUGS SHALL BE TWO HOLE TYPE.
- ALL GROUNDING CONDUCTORS SHALL BE PERMANENTLY LABELED AT EACH END INDICATING WHERE GROUND GOES TO.
- ALL RACKS AND METAL EQUIPMENT IN THE ES ROOM BE BONDED TO THE BUS BAR IN EACH SPACE BY TELCOMM CONTRACTOR.
- GROUNDING SYSTEM SHALL MEET ANSI J-STG-607-A.
- GROUND ALL FENCING PER SPECIFICATIONS AND BOND TO GROUNDING SYSTEM.
- PROVIDE AND INSTALL A COMMUNICATIONS SURGE PROTECTOR AT TMGS.



PANEL LABEL DETAIL

N.T.S. (TYPICAL)

FEEDER/GROUND CONDUCTOR SCHEDULE

AMPS	3 ø WIRE TAG	THREE PHASE FEEDER/EQUIPMENT
70 W/ GND	(70S-3WG)	3 #4 & 1 #8(G) IN 1" C.
100 W/ GND	(100-4WG)	4 #3 & 1 #8(G) IN 1-1/4" C.
150 W/ GND	(150-4WG)	4 #1/0 & 1 #6(G) IN 2" C.
175 W/ GND	(175S-3WG)	3 #2/0 & 1 #6(G) IN 1-1/2" C.
175 W/ GND	(175S-4WG)	4 #2/0 & 1 #4(G) IN 2" C.
225 W/ GND	(225-4WG)	4 #4/0 & 1 #4(G) IN 2-1/2" C.
350 W/ GND	(350-4WG)	4 #500 MCM & 1 #3(G) IN 3-1/2" C.
400 W/ GND	(400S-4WG)	4 #500 MCM & 1 #1/0(G) IN 3-1/2" C.
600 W/O GND	(600-4W)	2 RUNS OF 4 #350 MCM IN (2)-3" C.

MISCELLANEOUS TAGS

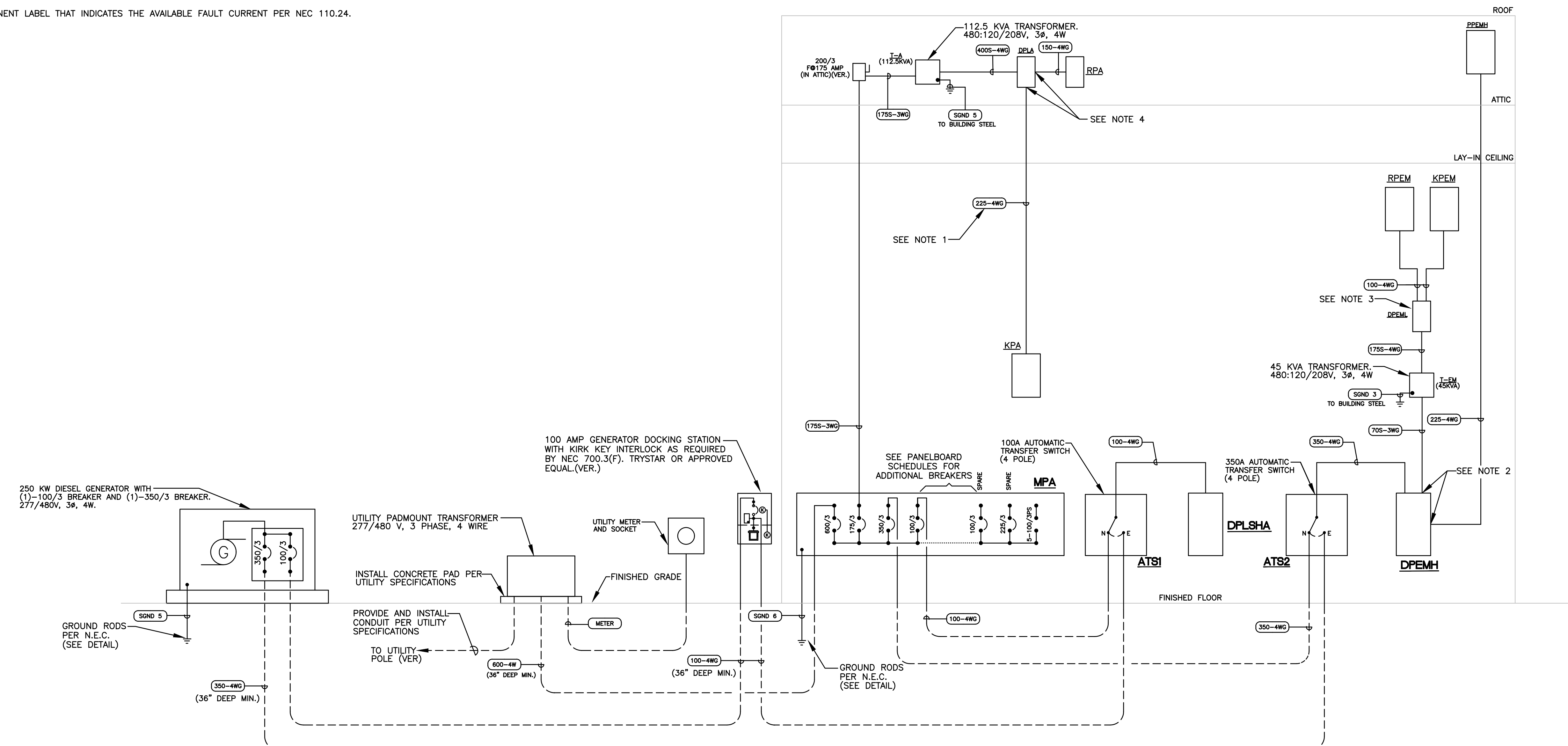
(METER)	EMPTY 1-1/4" C. (30" DEEP MIN.)
(SGND 3)	1 #4 CU IN 1/2" C.
(SGND 5)	1 #1/0 CU IN 3/4" C.
(SGND 6)	1 #2/0 CU IN 3/4" C.

TRANSFORMER SCHEDULE

MARK	SIZE	PRIMARY	SECONDARY	MANUFACTURER	CATALOG NUMBER	REMARKS
T-A	112.5 KVA	480V 3ø DELTA	120/208V 3ø, 4W, WYE	SQUARE D	EX112T3H	SEE NOTE 1
T-EM	45 KVA	480V 3ø DELTA	120/208V 3ø, 4W, WYE	SQUARE D	EX45T3H	SEE NOTE 1

NOTES:

- BOND TRANSFORMER LOWSIDE NEUTRAL TO THE TRANSFORMER CASE, TO THE "INCOMING" AND "OUTGOING" GROUND WIRES, AND TO GROUNDING ELECTRODE (AS PER NEC 250-30) AT EACH TRANSFORMER AS INDICATED ON THE SINGLE LINE DIAGRAM.

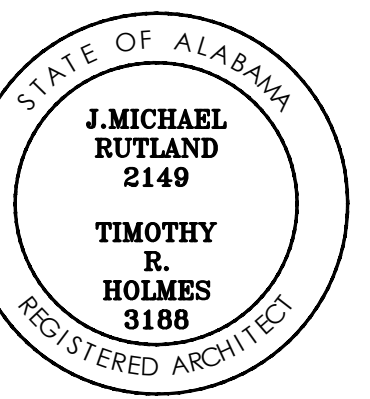


ELECTRICAL SINGLE LINE DIAGRAM

N.T.S.

NOTES:

- SEE SCHEDULE ON THIS SHEET FOR WIRE SIZE.(TYP)
- FEED TRANSFORMER T-EM WITH A 70/3 BREAKER IN PANEL DPEMH. FEED PANEL RPEMH1 WITH A 225/3 BREAKER IN PANEL DPEMH.
- FEED PANEL RPEM WITH A 100/3 BREAKER AND KPEM WITH A 100/3 BREAKER IN PANEL DPEML.
- FEED PANEL RPA WITH A 150/3 BREAKER AND KPA WITH A 225/3 BREAKER IN PANEL DPLA.



CHOCTAW COUNTY JAIL BUTLER, ALABAMA

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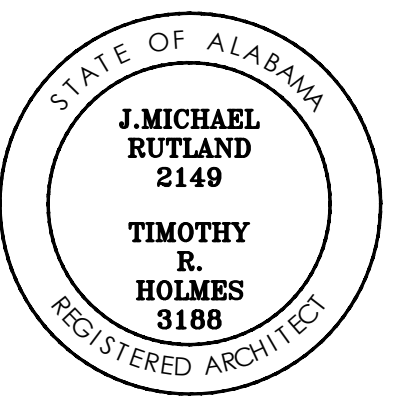
Revisions:

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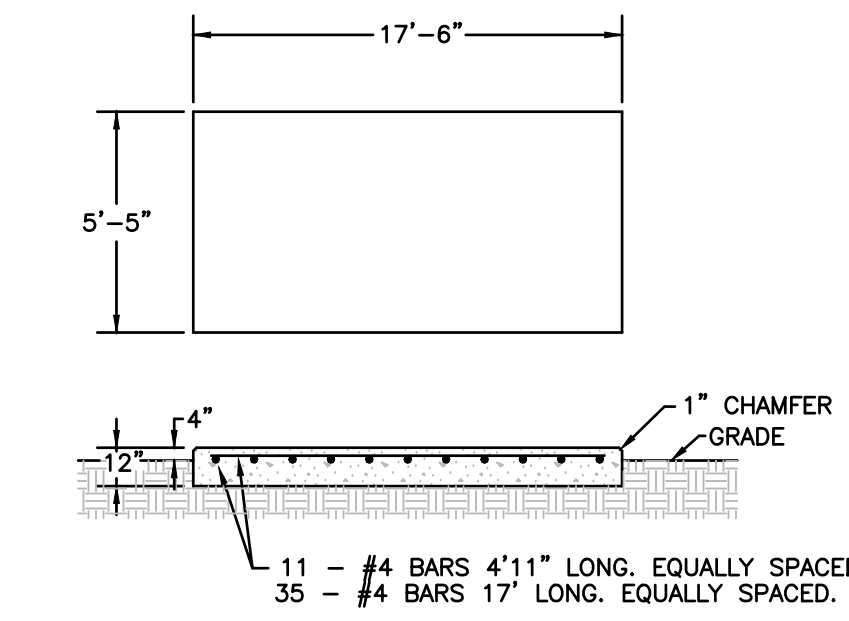
SINGLE LINE DIAGRAMS, DETAIL AND SCHEDULES

Sheet Number



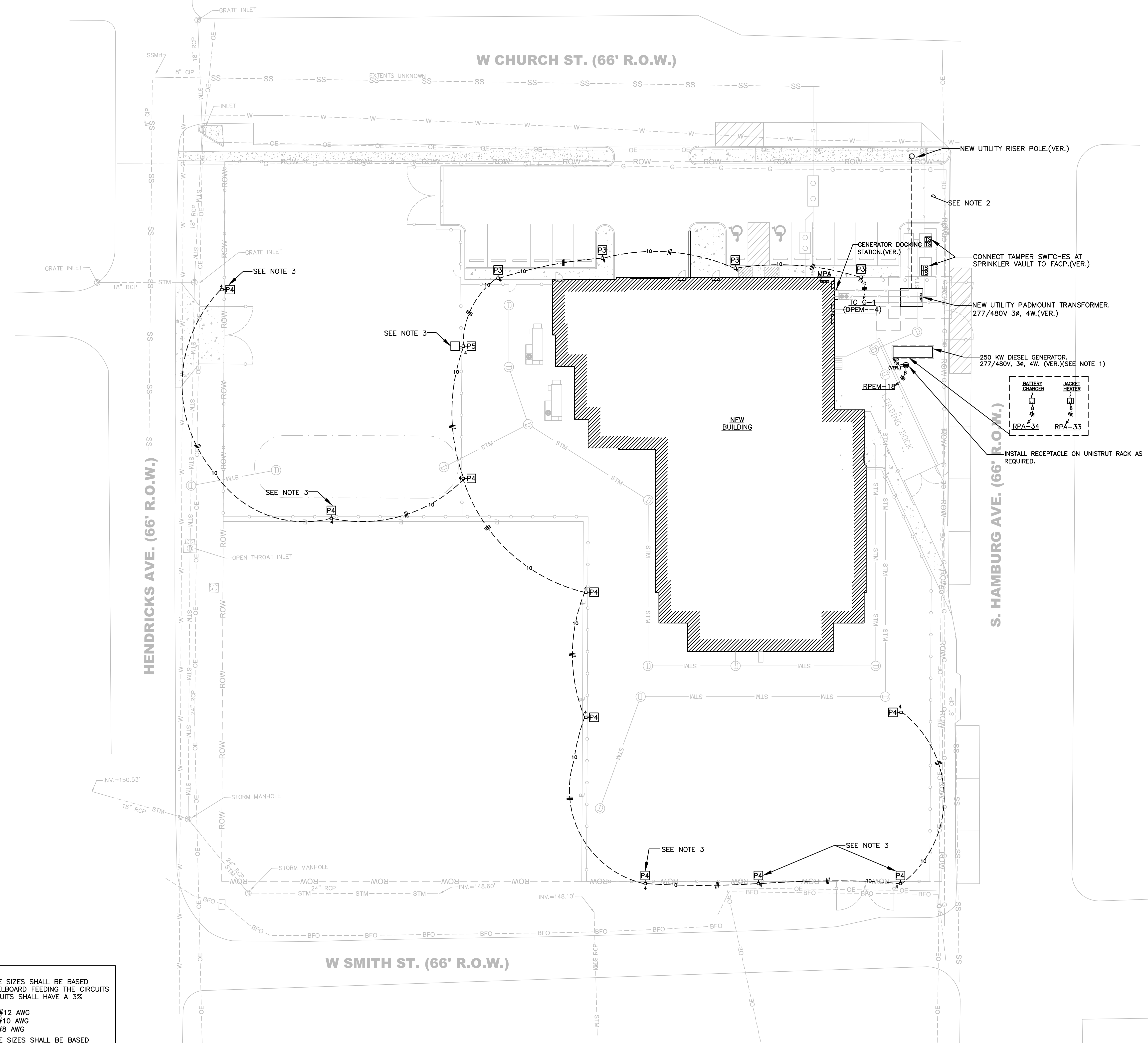


**CHOCTAW COUNTY JAIL
 BUTLER,
 ALABAMA**



GENERATOR PAD DETAIL

- N.T.S. NOTES:
1. ALL ELECTRICAL CONDUITS AND GROUND ROD, SHALL BE ROUGHED IN PRIOR TO POURING PAD.
 2. ANCHOR GENERATOR TO PAD IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 3. COORDINATE SIZE OF PAD WITH ACTUAL OUTLINE OF GENERATOR PRIOR TO FORMING.



- NOTES:
1. ALL 120 VOLT CIRCUIT WIRE SIZES SHALL BE BASED UPON DISTANCE FROM PANELBOARD FEEDING THE CIRCUITS AS FOLLOWS AND THE CIRCUITS SHALL HAVE A 3% VOLTAGE DROP OR LESS:
 LESS THAN 75 FEET.....#12 AWG
 BETWEEN 76' AND 125'.....#10 AWG
 BETWEEN 126' AND 190'.....#8 AWG
 2. ALL 277 VOLT CIRCUIT WIRE SIZES SHALL BE BASED UPON DISTANCE FROM PANELBOARD FEEDING THE CIRCUITS AS FOLLOWS AND THE CIRCUITS SHALL HAVE A 3% VOLTAGE DROP OR LESS:
 LESS THAN 135 FEET.....#12 AWG
 BETWEEN 135' AND 230'.....#10 AWG
 BETWEEN 231' AND 355'.....#8 AWG

ELECTRICAL SITE PLAN

SCALE: 1" = 20'-0"

- NOTES:
1. PROVIDE AND INSTALL 1-1" CONDUIT FROM THE GENERATOR CONTROL PANEL TO THE GENERATOR ANNUNCIATOR WITH SIGNAL WIRING AS DIRECTED BY GENERATOR MANUFACTURER. ALSO, PROVIDE AND INSTALL 1-1" CONDUIT FROM THE GENERATOR CONTROL PANEL TO EACH AUTOMATIC TRANSFER SWITCH WITH CONTROL WIRING AS DIRECTED BY GENERATOR MANUFACTURER. VERIFY ANNUNCIATOR LOCATION WITH OWNER.
 2. APPROXIMATE ROUTING OF UNDERGROUND PRIMARY.(VER.)
 3. POLE LIGHT FIXTURE SHALL BE INSTALLED UNDER AN ALTERNATE.

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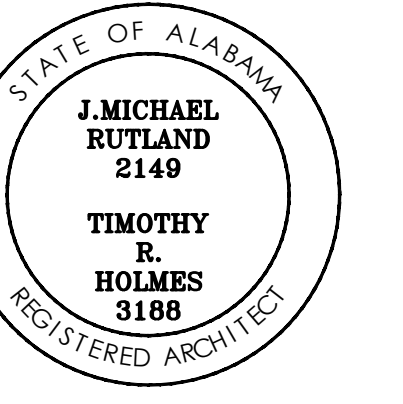
Sheet Description

ELECTRICAL SITE PLAN

Sheet Number

E2.2

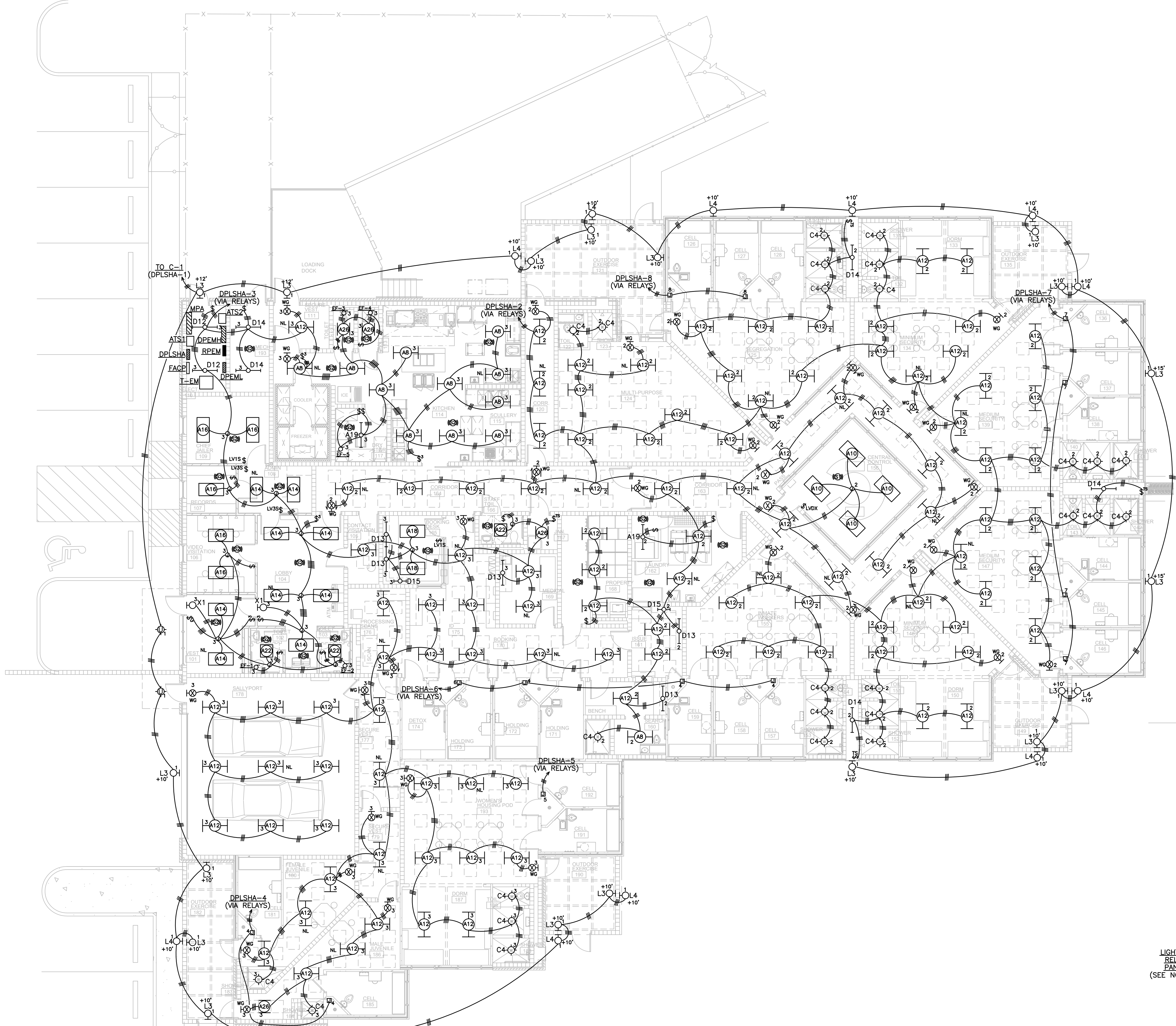
McCarter
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 M.E. JOB #2328
 5-30-24



**CHOCTAW COUNTY JAIL
BUTLER,
ALABAMA**

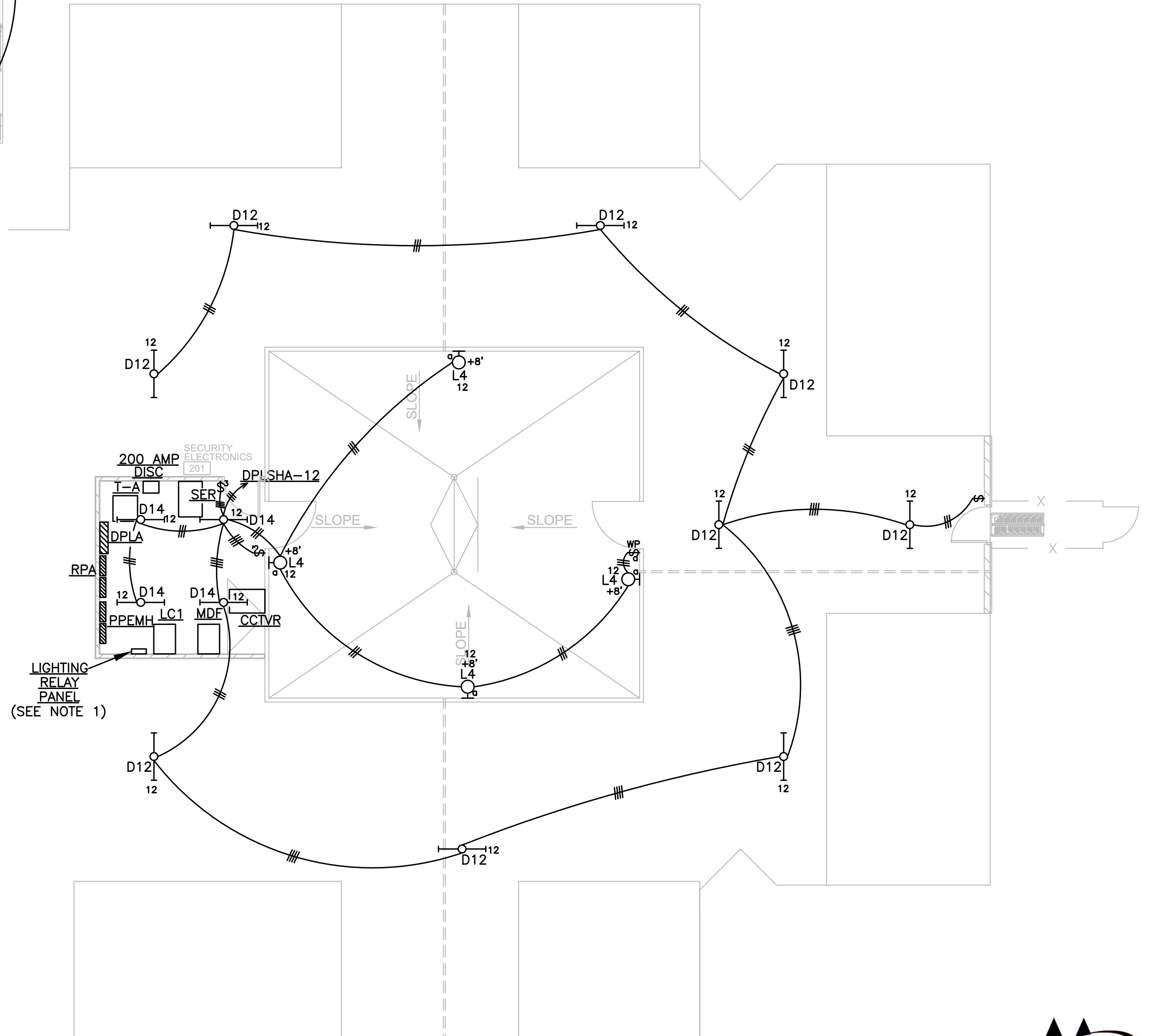
OCCUPANCY SENSOR LOCATIONS AND TYPES SHOWN ARE THE BASIS OF DESIGN FOR ONE MANUFACTURER AND ARE SCHEMATIC AND SHOULD BE VERIFIED WITH MANUFACTURER PRIOR TO BIDDING. OCCUPANCY SENSOR MANUFACTURER SHALL SUBMIT A LAYOUT OF RECOMMENDED SENSOR TYPES AND LOCATIONS PRIOR TO INSTALLATION. THE MANUFACTURER SHALL PROVIDE ALL EQUIPMENT NECESSARY TO PROVIDE COVERAGE FOR ALL ROOMS AND THE MANUFACTURER SHALL PROVIDE ON-SITE START-UP AND SENSOR ADJUSTMENTS AS NECESSARY TO ENSURE PROPER FUNCTION AND COVERAGE IN ALL ROOMS. THE TIME DELAYS FOR THE SENSORS SHALL BE COORDINATED WITH THE OWNER. THE MANUFACTURER SHALL INSTALL EITHER SLAVE RELAY POWER PACKS OR TWO RELAY POWER PACKS TO ENSURE THAT MULTILEVEL SWITCHING FUNCTIONS CORRECTLY IN EACH SPACE.

NOTES:
1. ALL 120 VOLT CIRCUIT WIRE SIZES SHALL BE BASED UPON DISTANCE FROM PANELBOARD FEEDING THE CIRCUITS AS FOLLOWS AND THE CIRCUITS SHALL HAVE A 3% VOLTAGE DROP OR LESS:
LESS THAN 75 FEET.....#12 AWG
BETWEEN 75' AND 125'.....#10 AWG
BETWEEN 126' AND 190'.....#8 AWG
2. ALL 277 VOLT CIRCUIT WIRE SIZES SHALL BE BASED UPON DISTANCE FROM PANELBOARD FEEDING THE CIRCUITS AS FOLLOWS AND THE CIRCUITS SHALL HAVE A 3% VOLTAGE DROP OR LESS:
LESS THAN 135 FEET.....#12 AWG
BETWEEN 135' AND 230'.....#10 AWG
BETWEEN 231' AND 355'.....#8 AWG



FIRST LEVEL LIGHTING PLAN

SCALE: 1/8" = 1'-0"
NOTES:
1. THE CONTRACTOR SHALL COORDINATE LIGHTING CONTROLS AND RELAY QUANTITIES WITH THE ELECTRONIC SECURITY CONTRACTOR.



ATTIC LIGHTING PLAN

SCALE: 1/8" = 1'-0"
NOTES:
1. LIGHTING CONTROL RELAY CABINET, PROVIDED BY AND INSTALLED BY ELECTRICAL CONTRACTOR SHALL NOTE THAT ALL INDIVIDUAL ROOMS THAT DO NOT HAVE MANUAL LIGHTING CONTROLS SHALL BE CONTROLLED WITH THE ELECTRONIC SECURITY SYSTEM AND EACH ROOM SHALL BE CONTROLLED WITH A SEPARATE RELAY. SEE SPEC.

CONSTRUCTION DOCUMENTS

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FIRST LEVEL AND ATTIC LIGHTING PLANS

Sheet Number

E3.1



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MECHANICAL EQUIPMENT CIRCUIT SCHEDULE

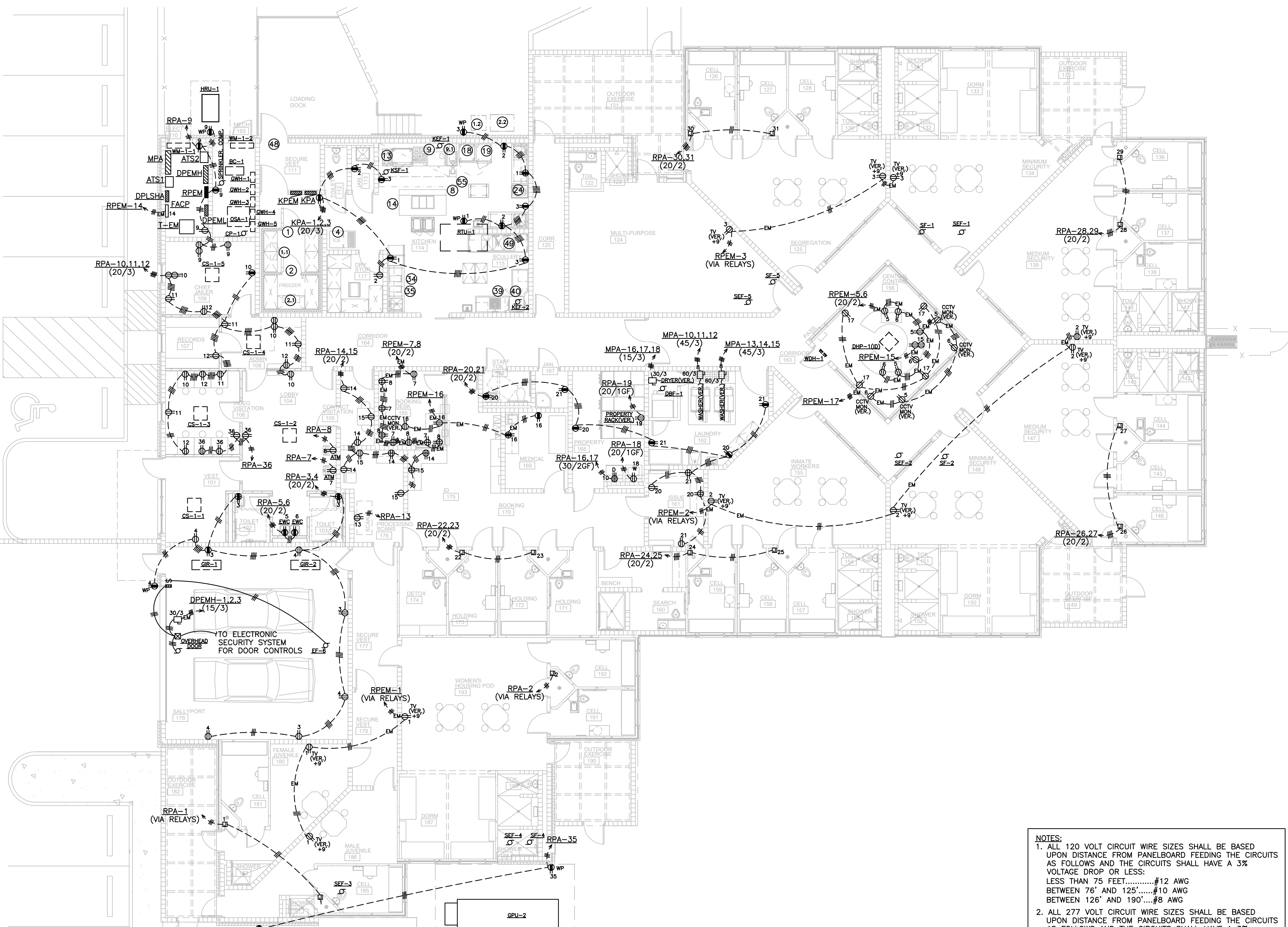
UNIT NUMBER	CIRCUIT ID	BREAKER SIZE	WIRE SIZE	GROUND SIZE	CONDUIT SIZE	DISCONNECT TYPE
RTU-1	DPEMH-19,20,21	20/3	3 #12	#12	1/2"	30/3, F. RT
RTU-2	PPEMH-1,2,3	45/3	3 #8	#10	3/4"	60/3, F. RT
RTU-3	PPEMH-4,5,6	45/3	3 #8	#10	3/4"	60/3, F. RT
RTU-4	PPEMH-7,8,9	25/3	3 #10	#10	3/4"	30/3, F. RT
HRU-1	DPEMH-22,23,24	25/3	3 #10	#10	3/4"	30/3, F. RT
GPU-1	DPEMH-25,26,27	25/3	3 #10	#10	3/4"	30/3, F. RT
GPU-2	DPEMH-28,29,30	25/3	3 #10	#10	3/4"	30/3, F. RT
SEF-1	PPEMH-10,11,12	25/3	3 #10	#10	3/4"	30/3, F. RT
SEF-2	PPEMH-13,14,15	25/3	3 #10	#10	3/4"	30/3, F. RT
SEF-3	PPEMH-16,17,18	15/3	3 #12	#12	1/2"	30/3, F. RT
SEF-4	PPEMH-19,20,21	15/3	3 #12	#12	1/2"	30/3, F. RT
SEF-5	PPEMH-22,23,24	25/3	3 #10	#10	3/4"	30/3, F. RT
SF-1	PPEMH-25,26,27	35/3	3 #8	#10	3/4"	60/3, F. RT
SF-2	PPEMH-28,29,30	35/3	3 #8	#10	3/4"	60/3, F. RT
SF-4	PPEMH-31,32,33	15/3	3 #12	#12	1/2"	30/3, F. RT
SF-5	PPEMH-34,35,36	35/3	3 #8	#10	3/4"	60/3, F. RT
EF-6	DPEMH-5	20/1	2 #12	#12	1/2"	TS(WP)
DFB-1	DPLA-7	20/1	2 #12	#12	1/2"	TS(WP)
DHP-100(D)**	DPEML-3,4	15/2	2 #12	#12	1/2"	DPTS(EACH)
DAC-100(D)**	DPEML-5,6	25/2	2 #10	#10	1/2"	30/2, NF
WDH-1	DPEML-10	15/1	2 #12	#12	1/2"	TS
GR-1,2	DPEML-11	15/1	2 #12	#12	1/2"	TS(EACH)
OSA-1,1,OS-1,1-5, WM-1,2 & BC-1-1	DPEML-12,13	15/2	2 #12	#12	1/2"	DPTS(EACH)
KEF-1	KPA-20,21	30/2	2 #10	#10	1/2"	30/2, NF, RT
KEF-2	KPA-25	20/1	2 #12	#12	1/2"	TS(WP)
KSF-1	KPA-26,27	30/2(S/T)	2 #10	#10	1/2"	30/2, NF, RT
SPRINKLER COMP.	DPEML-17	20/1	2 #12	#12	1/2"	TS
GWH-1,2,3,4,5	DPEML-1	15/1	2 #12	#12	1/2"	TS(EACH)
CP-1	DPEML-2	15/1	2 #12	#12	1/2"	TS

NF - NONFUSED
 F - FUSED (FUSE PER MANUFACTURERS RECOMMENDATIONS)
 RT - RAINTIGHT
 TS - TOGGLE SWITCH ("WP" INDICATES WEATHERPROOF)
 DPTS - DOUBLE POLE TOGGLE SWITCH
 MRS - MOTOR RATED SWITCH
 S/T - SHUNT TRIP BREAKER
 NOTE: MAINTAIN CODE REQUIRED CLEARANCES FOR DISCONNECTS.
 * CIRCUIT DHP(D) FROM DHP(OD), PROVIDE A 20A DPTS DISCONNECT FOR DHP(D), CIRCUIT INDOOR UNIT WITH 2 #12 & 1 #12(G) THIN IN 1/2"C.
 ** CIRCUIT DAC(D) FROM DAC(OD), PROVIDE A 20A DPTS DISCONNECT FOR DAC(D), CIRCUIT INDOOR UNIT WITH 2 #12 & 1 #12(G)

KITCHEN EQUIPMENT CIRCUIT SCHEDULE

ITEM NUMBER	UNIT ID	LOAD (W)	VOLTAGE	PHASE	CIRCUIT NUMBER	BREAKER SIZE	WIRE SIZE	GROUND SIZE	CONDUIT SIZE	OUTLET LOCATION	DISCONNECT TYPE
1	WALK-IN COOLER LTS AND HEATER	1800	120	1	KPEM-1	20/1	2 #12	#12	1/2"	WALL	TS
1.1	WALK-IN COOLER EVAPORATOR FAN	120	120	1	KPEM-2	15/1	2 #12	#12	1/2"	WALL	TS(WP)
1.2	WALK-IN COOLER CONDENSER FAN	1124	208	1	KPEM-3,4	15/2	2 #12	#12	1/2"	WALL	30/2, F. RT
2	WALK-IN FREEZER LTS AND HEATER	1800	120	1	KPEM-5	20/1	2 #12	#12	1/2"	WALL	TS
2.1	WALK-IN FREEZER EVAPORATOR FAN	250	208	1	KPEM-6,7	15/2	2 #12	#12	1/2"	WALL	30/2, NF, RT
2.2	WALK-IN FREEZER CONDENSER FAN	3100	208	1	KPEM-8,9	20/2	2 #12	#12	1/2"	WALL	30/2, F. RT
4	ICE MACHINE	1320	120	1	KPEM-12	15/1(GF)	2 #12	#12	1/2"	WALL	20 AMP, 3 WIRE RECEPTACLE
8	HOOD LIGHTS & FIRE SUPPRESSION	1500	120	1	KPA-4	20/1	2 #12	#12	1/2"	WALL	TS
9	CONVECTION OVEN	948	120	1	KPA-5	15/1(S/T)	2 #12	#12	1/2"	WALL	20 AMP, 3 WIRE GFCCI RECEPTACLE
9.1	CONVECTION OVEN	948	120	1	KPA-6	15/1(S/T)	2 #12	#12	1/2"	WALL	20 AMP, 3 WIRE GFCCI RECEPTACLE
13	FRYER	84	120	1	KPA-7	15/1(S/T)	2 #12	#12	1/2"	WALL	20 AMP, 3 WIRE GFCCI RECEPTACLE
14	TRAY MAKE-UP TABLE	3000	208	1	KPA-8,9	20/2(GF)	2 #12	#12	1/2"	FLOOR STUB-UP	20 AMP, 3 WIRE RECEPTACLE
18	MOBILE HEATED CABINET	1440	120	1	KPA-10	15/1	2 #12	#12	1/2"	WALL	20 AMP, 3 WIRE GFCCI RECEPTACLE
19	REACH-IN REFRIGERATOR	456	120	1	KPEM-11	15/1(GF)	2 #12	#12	1/2"	WALL	20 AMP, 3 WIRE RECEPTACLE
24	MIXER	720	120	1	KPA-11	15/1	2 #12	#12	1/2"	WALL	20 AMP, 3 WIRE GFCCI RECEPTACLE
34	TEA BREWER	1680	120	1	KPA-12	20/1	2 #12	#12	1/2"	WALL	20 AMP, 3 WIRE GFCCI RECEPTACLE
35	COFFEE BREWER	2912	120/208	1	KPA-13,14	20/2	3 #12	#12	1/2"	WALL	20 AMP, 4 GFCCI WIRE RECEPTACLE
39	DISHWASHER HOOD LIGHTS	1500	120	1	KPA-15	20/1	2 #12	#12	1/2"	WALL	TS
40	DISHWASHER	16572	208	3	KPA-16,17,18	60/3	3 #4	#10	1"	WALL	60/3, F. RT
48	AIR CURTAIN	900	120	1	KPA-19	15/1	2 #12	#12	1/2"	WALL	TS
49	SINK HEATER	9006	208	3	KPA-22,23,24	40/3	3 #8	#10	3/4"	WALL	60/3, F. RT
55	GAS VALVE	100	120	1	KPEM-12	15/1(S/T)	2 #12	#12	1/2"	WALL	HARDWIRED

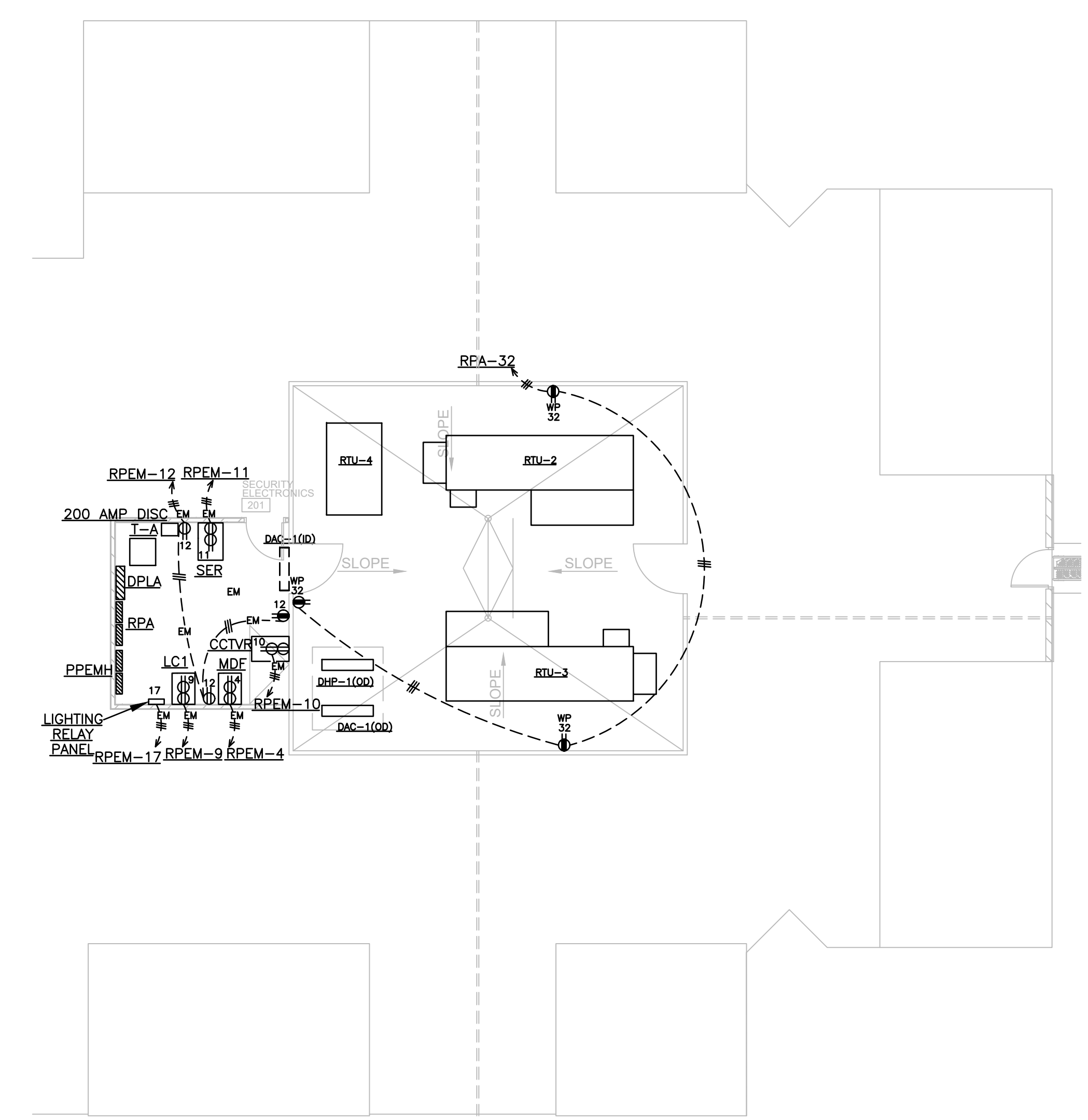
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 S/T - SHUNT TRIP BREAKER
 NOTE: MAINTAIN CODE REQUIRED CLEARANCES FOR DISCONNECTS.
 NOTES:
 1. CONTRACTOR SHALL VERIFY ALL RECEPTACLE AND DISCONNECT TYPES AND LOCATIONS FOR ALL EQUIPMENT WITH THE KITCHEN EQUIPMENT SUPPLIER.
 2. CONTRACTOR SHALL PROVIDE AND INSTALL ANY SO CORDS AND PLUGS REQUIRED TO CONNECT THE EQUIPMENT.



FIRST LEVEL POWER PLAN

SCALE: 1/8" = 1'-0"
 NOTES:
 1. THE CONTRACTOR SHALL COORDINATE TV CONTROLS AND RELAY QUANTITIES WITH THE ELECTRONIC SECURITY CONTRACTOR.

NOTES:
 1. ALL 120 VOLT CIRCUIT WIRE SIZES SHALL BE BASED UPON DISTANCE FROM PANELBOARD FEEDING THE CIRCUITS AS FOLLOWS AND THE CIRCUITS SHALL HAVE A 3% VOLTAGE DROP OR LESS:
 LESS THAN 75 FEET.....#12 AWG
 BETWEEN 75' AND 125'.....#10 AWG
 BETWEEN 125' AND 190'.....#8 AWG
 2. ALL 277 VOLT CIRCUIT WIRE SIZES SHALL BE BASED UPON DISTANCE FROM PANELBOARD FEEDING THE CIRCUITS AS FOLLOWS AND THE CIRCUITS SHALL HAVE A 3% VOLTAGE DROP OR LESS:
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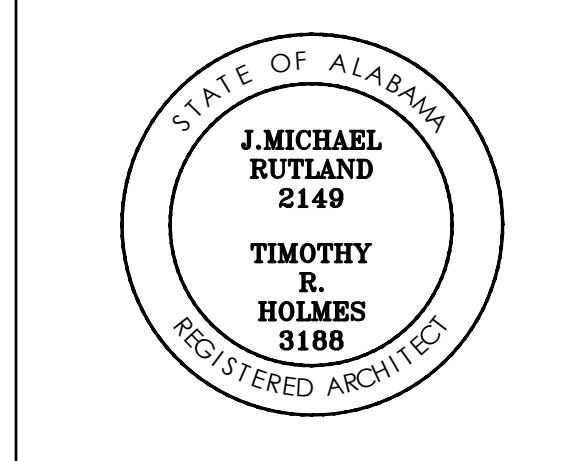
ATTIC POWER PLAN

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



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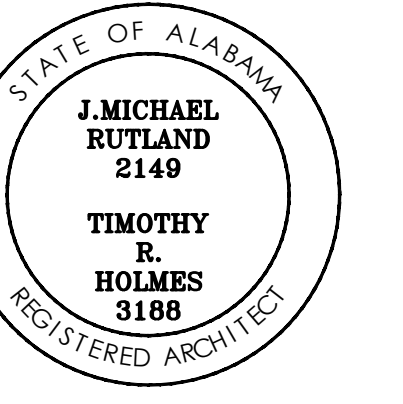


**CHOCTAW COUNTY JAIL
 BUTLER,
 ALABAMA**

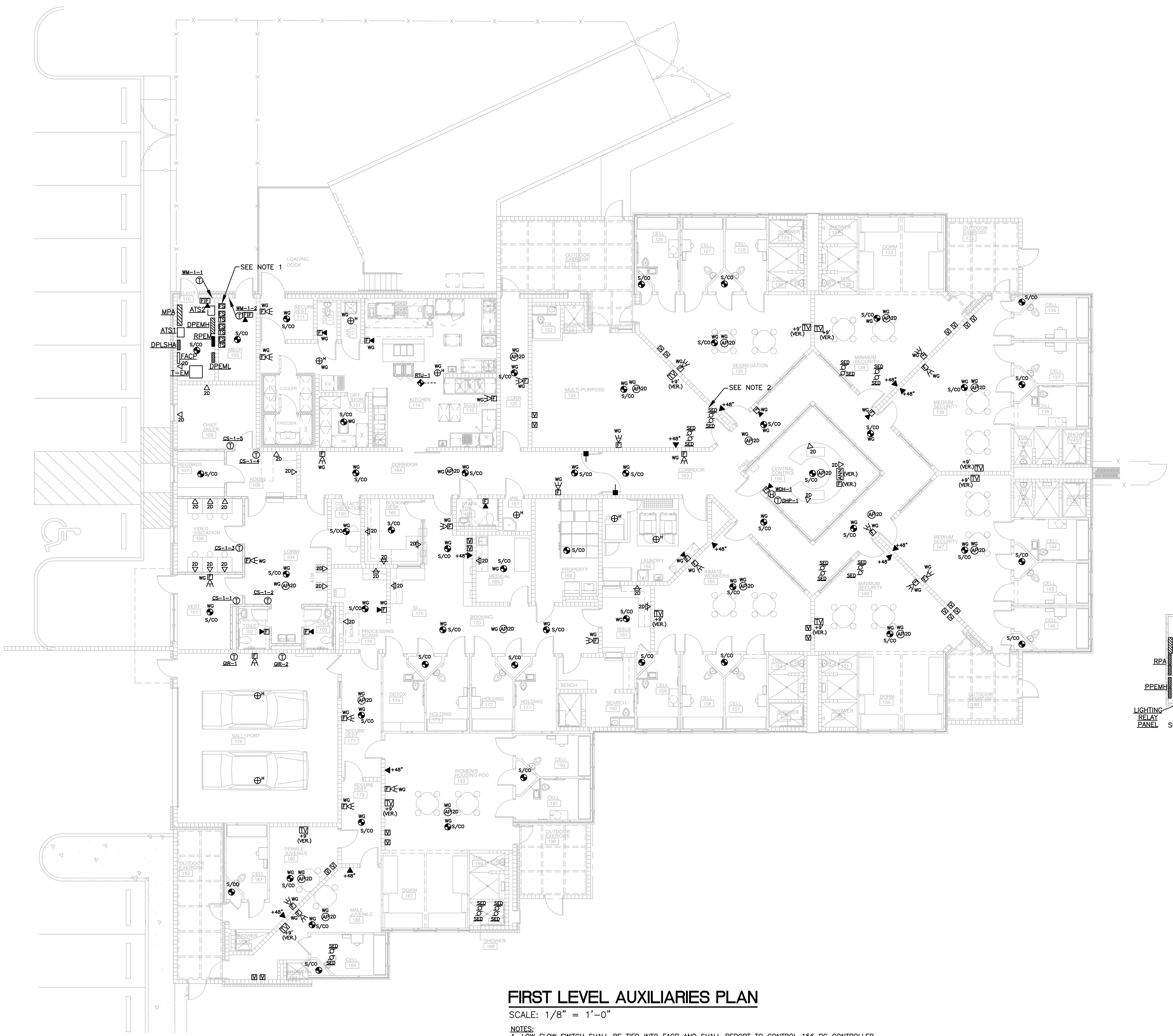
CONSTRUCTION DOCUMENTS

Project Number: 22-1189
 Date: 30 MAY 2024
 Revisions:

Sheet Description
FIRST LEVEL AND ATTIC POWER PLANS
 Sheet Number



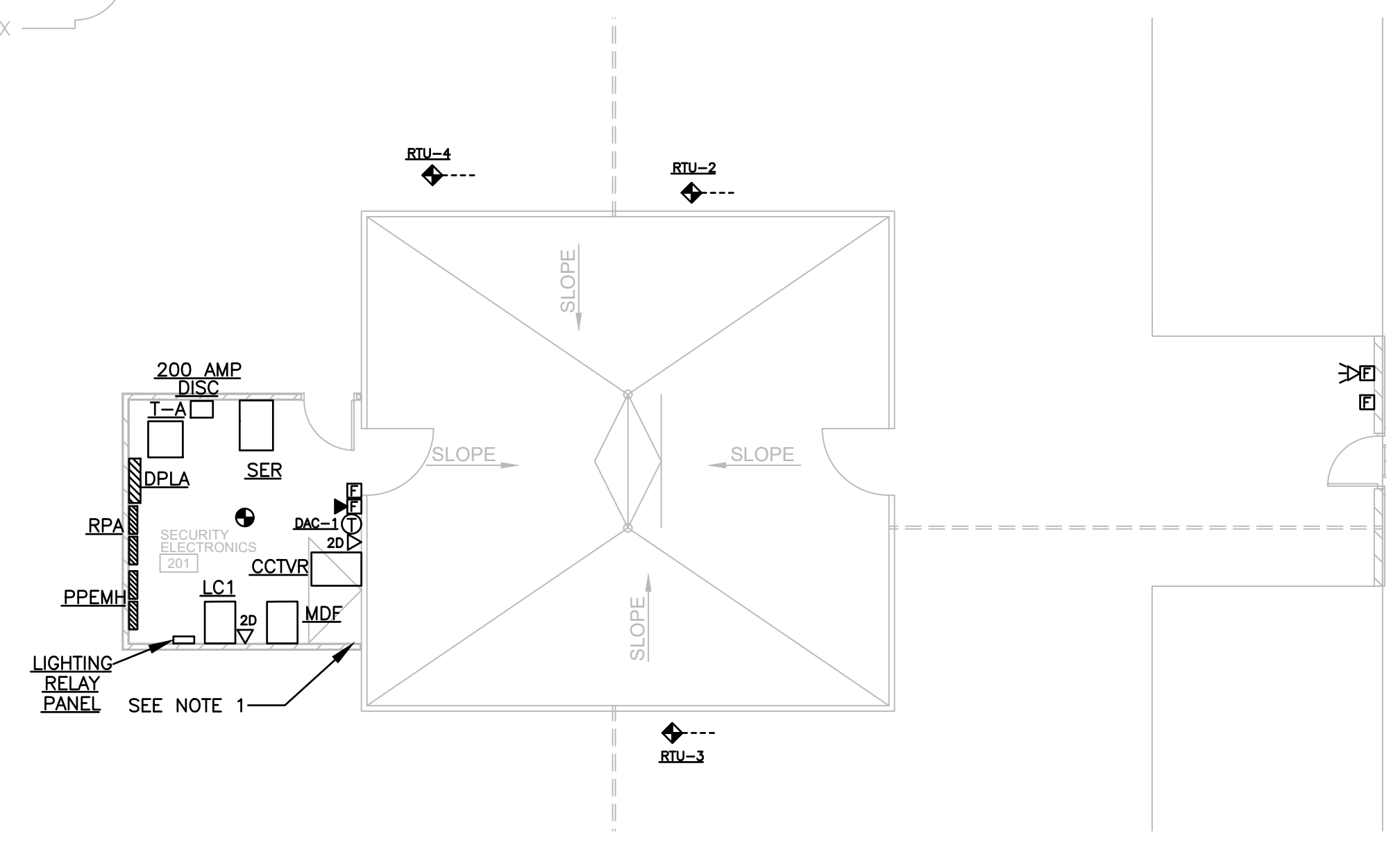
**CHOCTAW
COUNTY JAIL
BUTLER,
ALABAMA**



FIRST LEVEL AUXILIARIES PLAN

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

- NOTES:
1. LOW FLOW SWITCH SHALL BE TIED INTO FACP AND SHALL REPORT TO CONTROL 156 PC CONTROLLER.
2. SMOKE EVAC. DAMPER SHALL BE INTERLOCKED WITH FIRE ALARM.(TYP OF 18)



ATTIC AUXILIARIES PLAN

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

- NOTES:
1. PROVIDE AND INSTALL 8' BY 8' TBB ON ALL WALLS OF SECURITY ELECTRONICS 201. PAINT ANSI 61 GRAY

**CONSTRUCTION
DOCUMENTS**

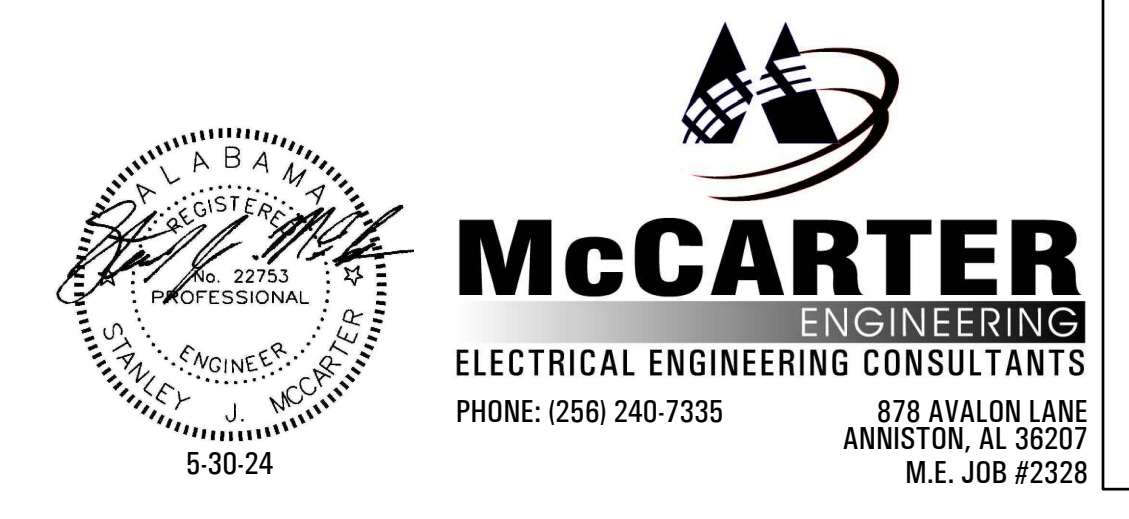
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**FIRST LEVEL AND
ATTIC AUXILIARIES
PLANS**

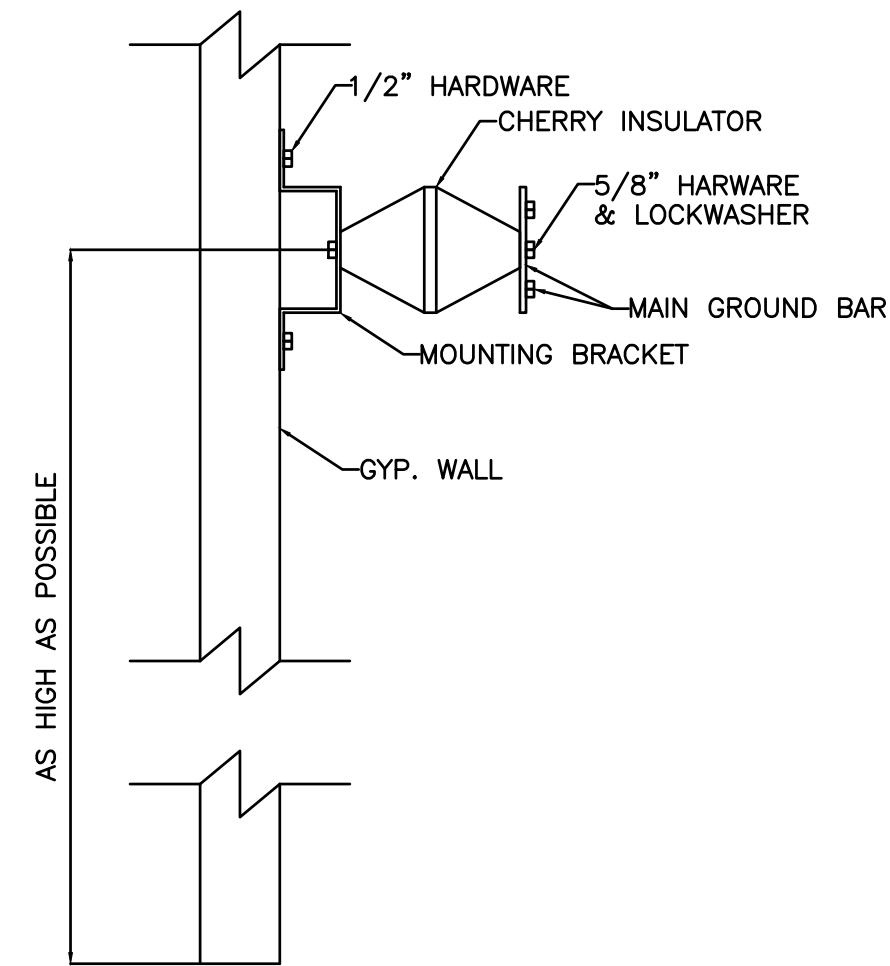
Sheet Description

Sheet Number

E3.3



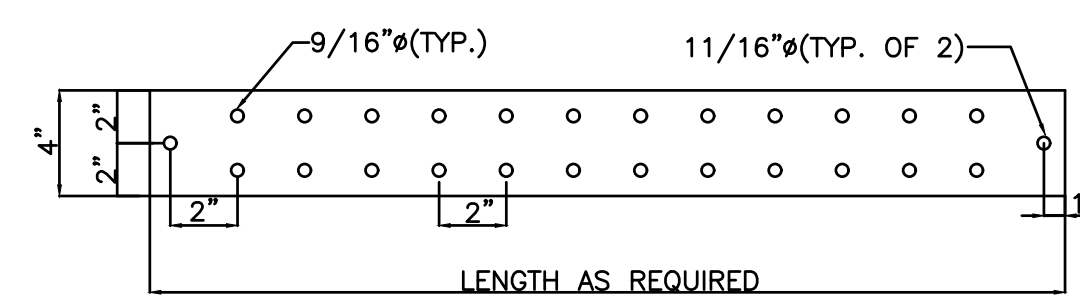
McCarter
ENGINEERING
ELECTRICAL ENGINEERING CONSULTANTS
PHONE: (256) 240-7335 878 AVALON LANE ANNISTON, AL 36207 M.E. JOB #2328



TMGB GROUND BAR MOUNTING DETAIL

N.T.S.

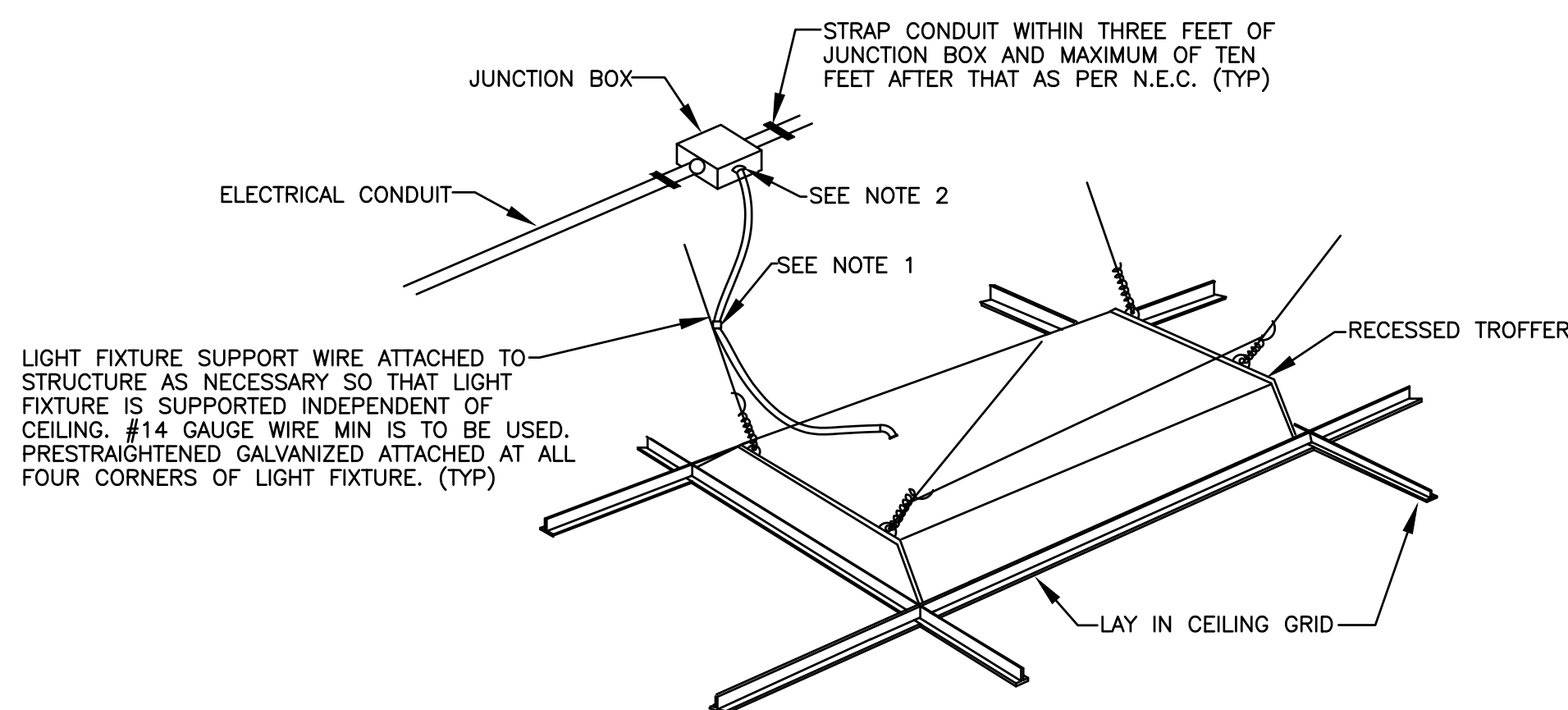
- NOTES:
1. ALL HOLES SHALL BE COUNTERSUNK 1/16".
 2. BAR STOCK SHALL BE 1/4" THICK COPPER.
 3. BAR IS TINNED .0003" TYP. (.0002" MIN.) THICK.
 4. COORDINATE EXACT LOCATION WITH TELECOMM CONTRACTOR.



TMGB GROUND BAR DETAIL

N.T.S.

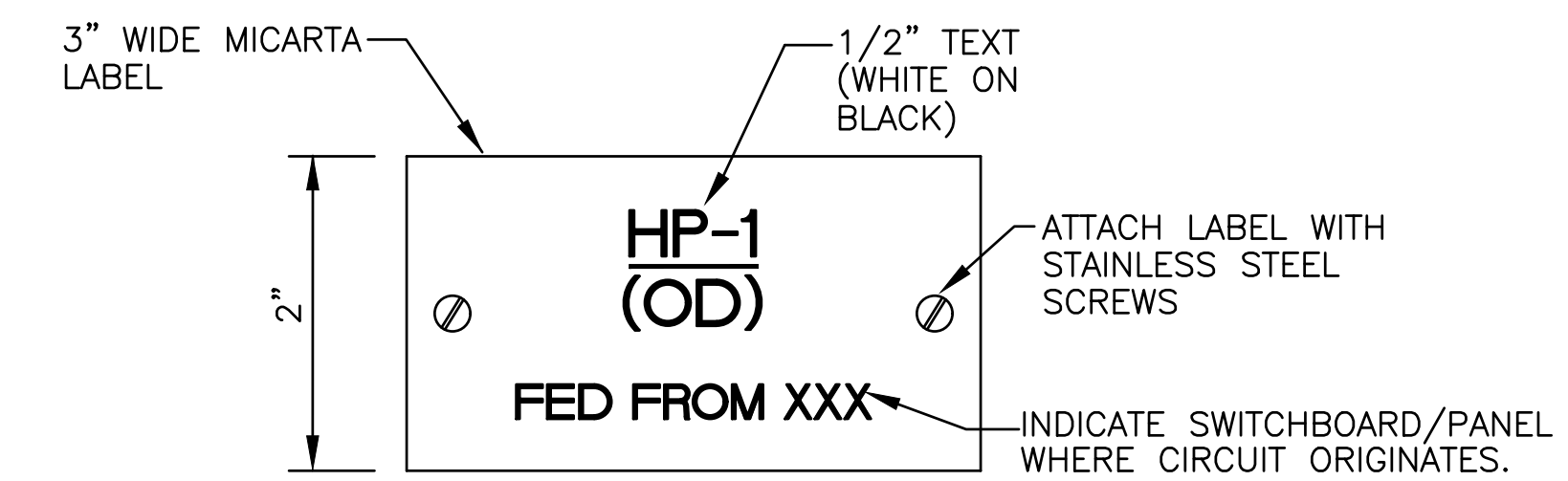
- NOTES:
1. ALL HOLES SHALL BE COUNTERSUNK 1/16".
 2. BAR STOCK SHALL BE 1/4" THICK COPPER.
 3. BAR IS TINNED .0003" TYP. (.0002" MIN.) THICK.
 4. LABEL BUS BARS WITH PERMANENT ENGRAVED NAMEPLATE.



LAY-IN LIGHT FIXTURE SUPPORT DETAIL

N.T.S.

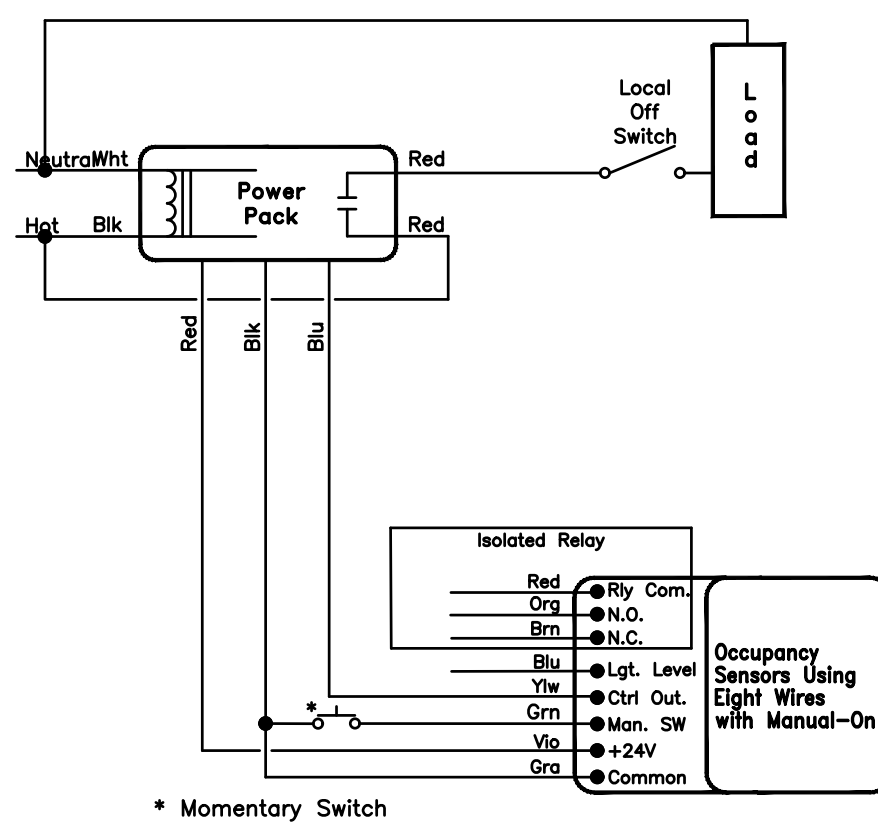
- NOTES:
1. CONTRACTOR SHALL ATTACH FLEXIBLE CONDUIT WITH APPROVED STRAP OR HANGER PER THE SPECIFICATIONS. (TYP)
 2. FLEXIBLE CONNECTION TO LIGHT FIXTURE. ATTACH TO STRUCTURE TO PREVENT FLEXIBLE CONDUIT FROM RESTING ON CEILING. ENSURE FLEXIBLE CONDUIT IS NO LONGER THAN SIX FEET FROM LIGHT FIXTURE TO JUNCTION BOX.



EQUIPMENT LABEL DETAIL

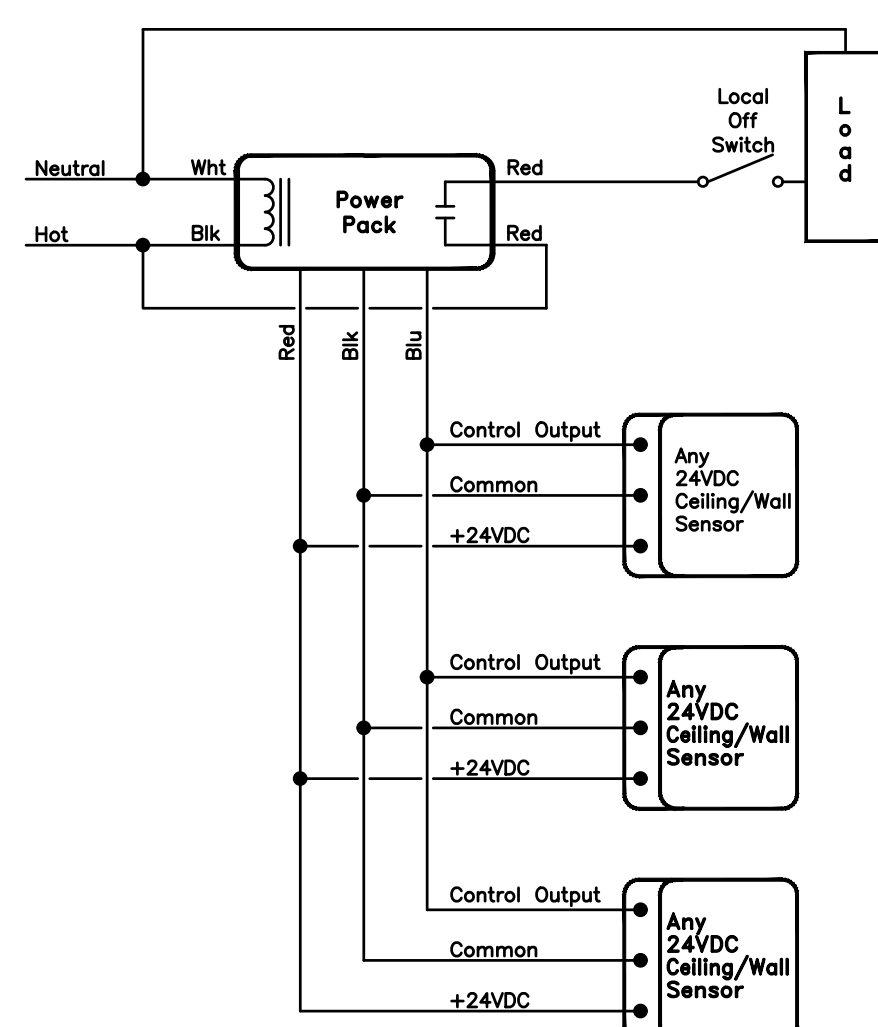
N.T.S. (TYPICAL)

- NOTES:
1. INSTALL LABEL ON ALL DISCONNECTING MEANS FOR EACH PIECE OF EQUIPMENT.



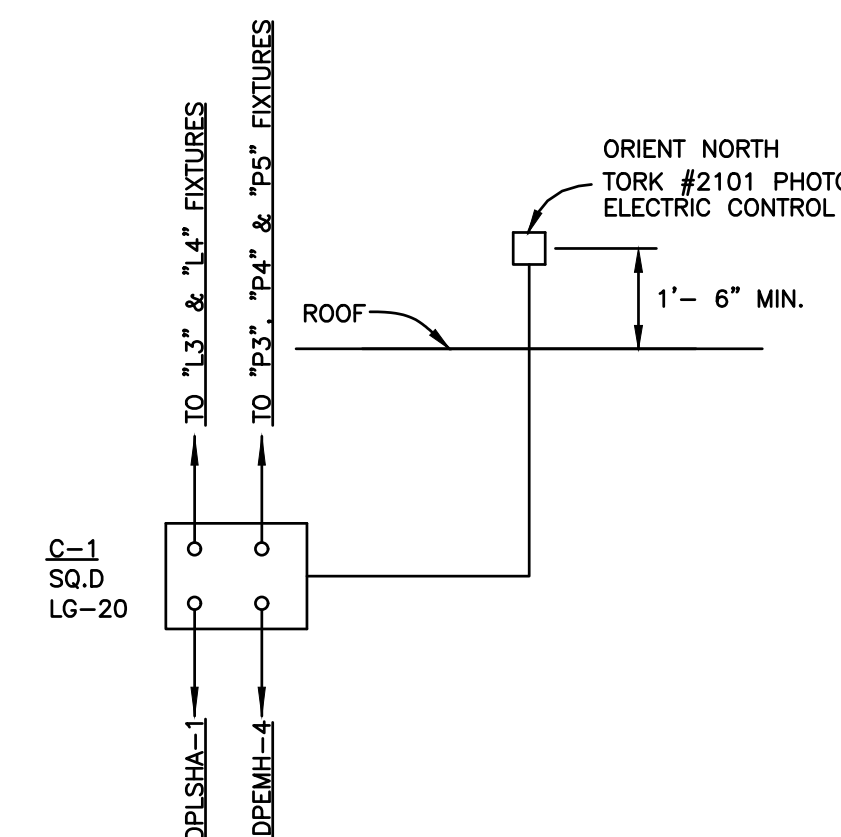
NON-DIMMING OCCUPANCY SENSOR WIRING DETAIL

N.T.S.



OCCUPANCY SENSOR DIAGRAM FOR MULTIPLE SENSORS ON ONE POWER PACK

N.T.S.

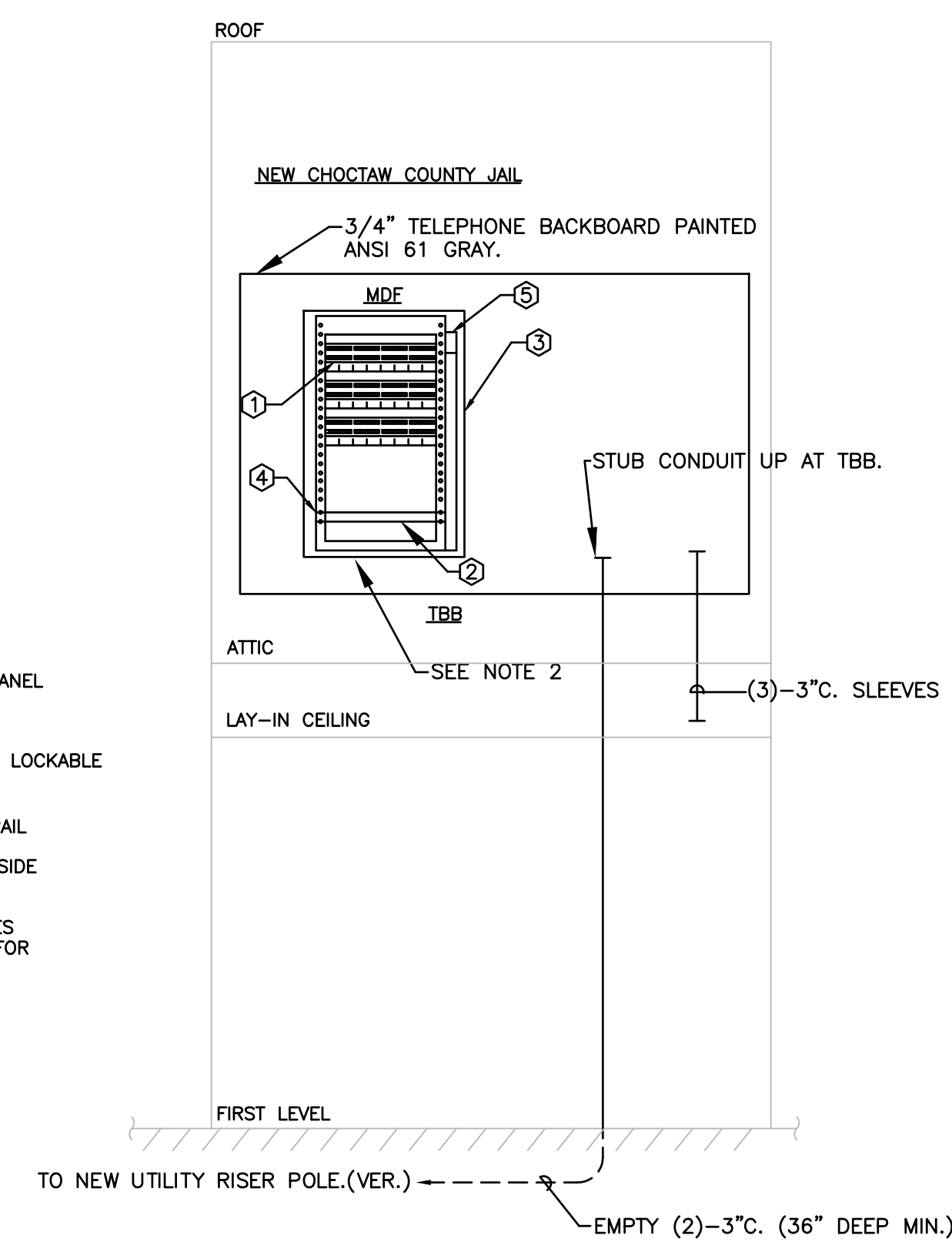


CONTACTOR (C-1) DETAIL

N.T.S.

LEGEND

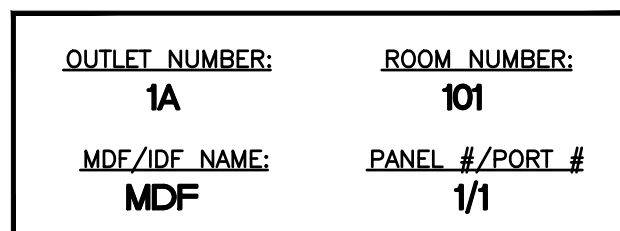
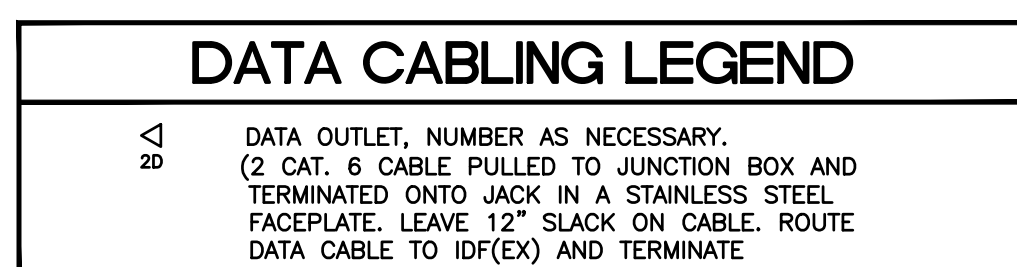
- ① 48 PORT CATEGORY 6 PATCH PANEL
 - ② 12 PORT FIBER PATCH PANEL
 - ③ WALL MOUNTED DOUBLE HINGED LOCKABLE EQUIPMENT CABINET
 - ④ VERTICAL CABLE MANAGEMENT RAIL
 - ⑤ PLUGMOLD MOUNTED TO BACK SIDE OF CABLE MANAGEMENT RAIL
- PROVIDE AND INSTALL QUANTITIES OF EACH ITEM AS NECESSARY FOR A COMPLETE SYSTEM.



DATA/TELEPHONE SYSTEM RISER DIAGRAM

N.T.S.

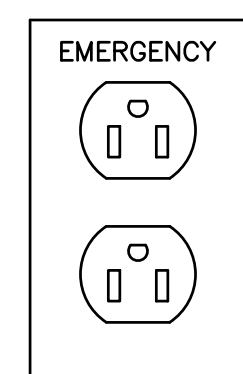
- NOTES:
1. ALL SINGLE MODE FIBER SHALL BE TERMINATED WITH LC CONNECTORS.
 2. CONTRACTOR SHALL ENSURE THE WALL MOUNTED EQUIPMENT CABINET IS ENCLOSED AND LOCKABLE AND IS A MINIMUM 30" DEEP TO ACCEPT A 24" DEEP SWITCH.



DATA CABLE LABEL DETAIL

N.T.S.

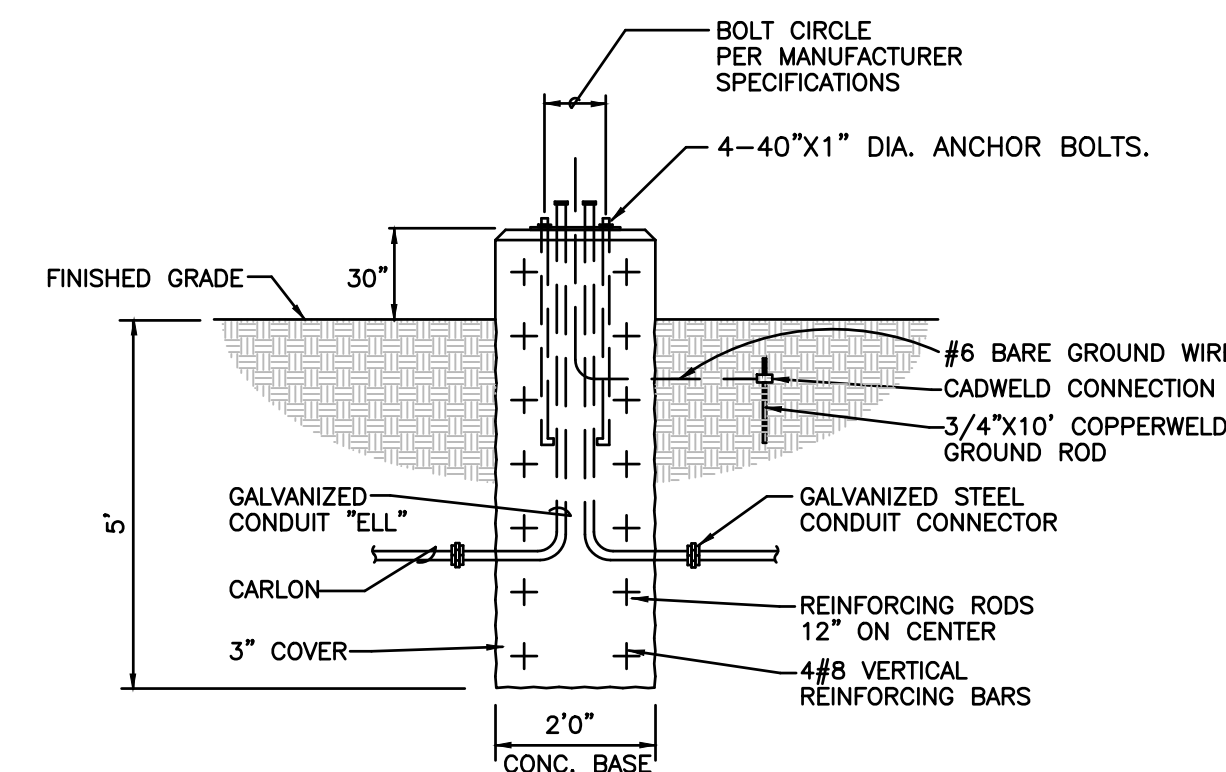
- NOTES:
1. EXACT LABEL METHOD SHALL BE COORDINATED WITH, AND APPROVED BY THE ENGINEER PRIOR TO PURCHASE AND INSTALLATION.



DEVICE FACEPLATE DETAIL

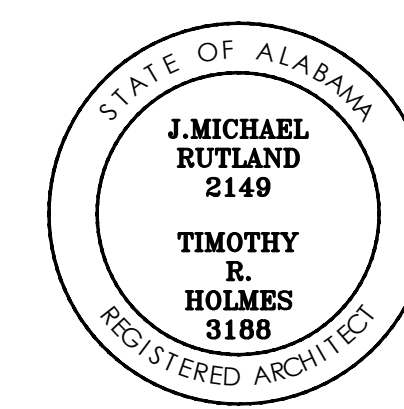
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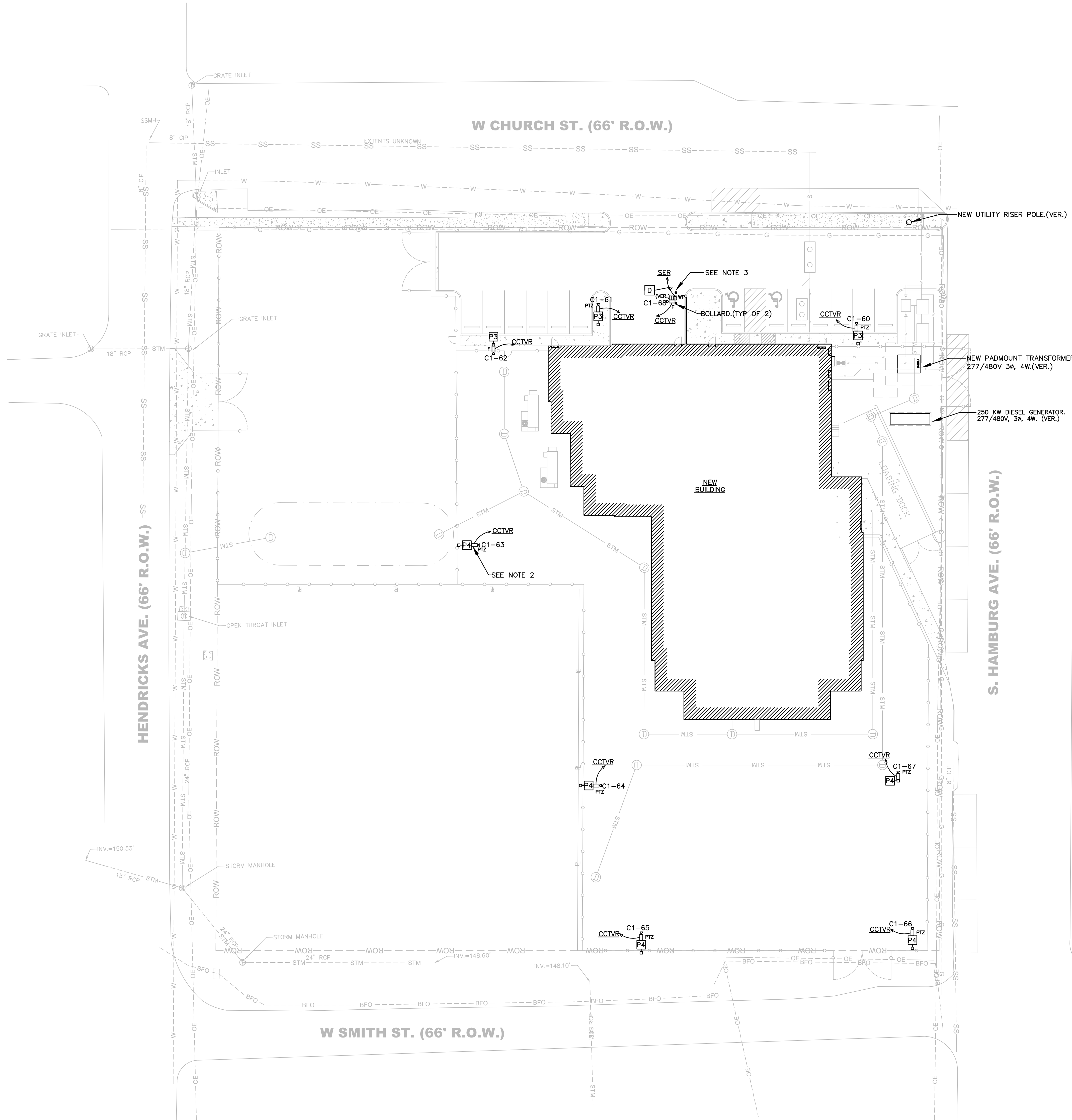
- NOTES:
1. THE CONTRACTOR SHALL ENGRAVE THE FACEPLATES OF EACH RECEPTACLE THAT IS CIRCUITED TO THE EMERGENCY PANELS.
 2. ENGRAVING SHALL HAVE 3/16" RED LETTERS AND THE DEVICE SHALL BE RED.



POLE BASE DETAIL

N.T.S. ("P3", "P4" & "P5" FIXTURES)

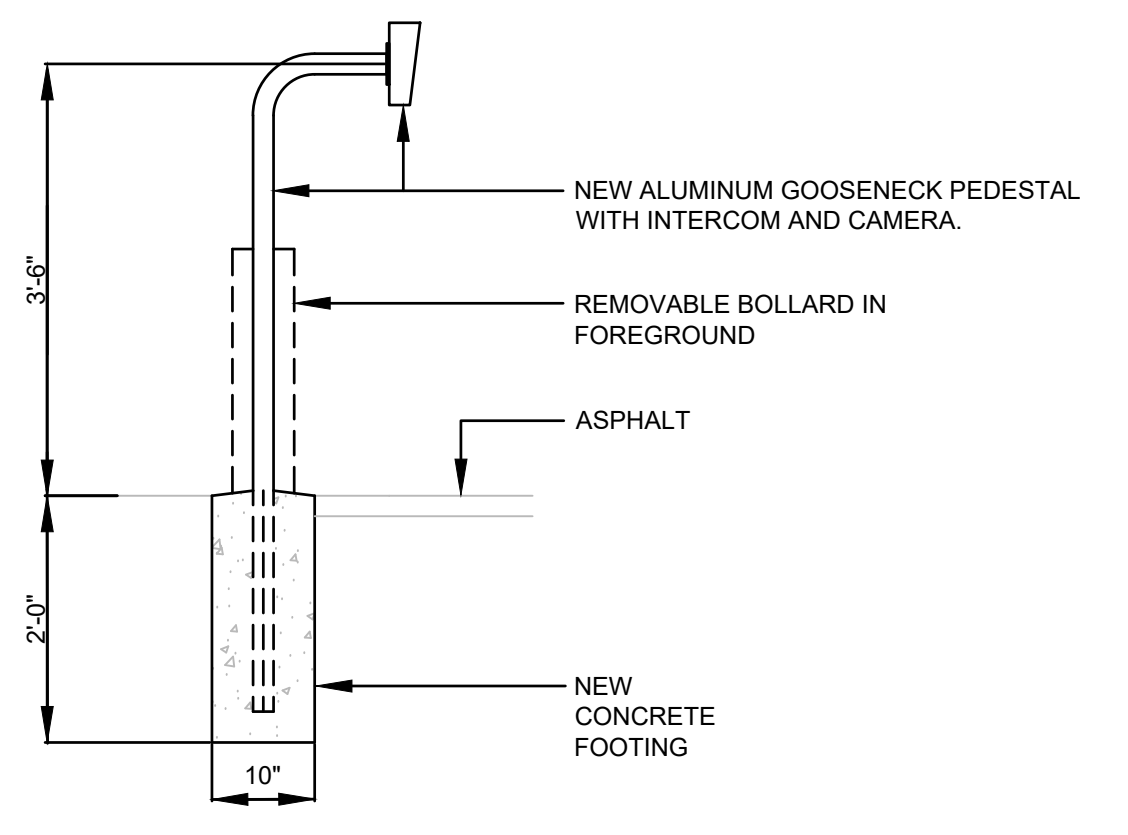




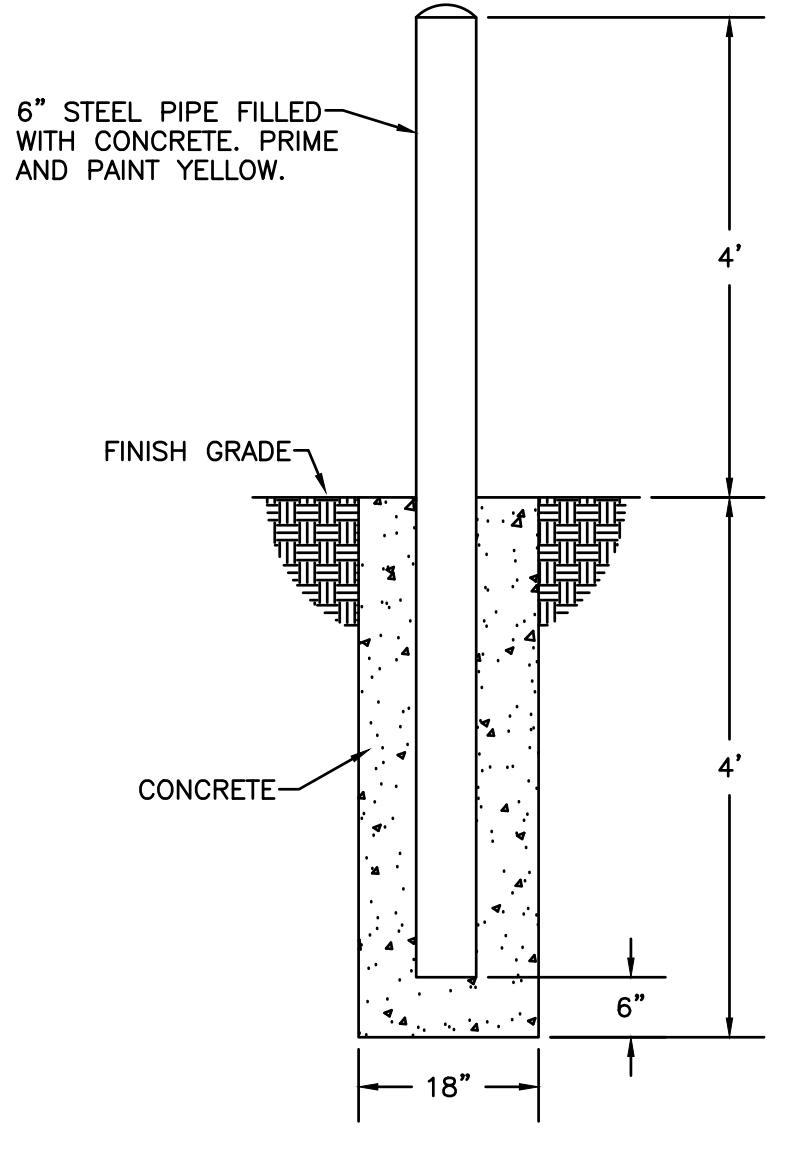
ELECTRONIC SECURITY SITE PLAN

SCALE: 1" = 20'-0"

- NOTES:**
1. CONTRACTOR SHALL INSTALL A 1" C. WITH 6-STRAND MULTIMODE FIBER OPTIC CABLE FROM CAMERA LOCATION TO CCTVR. ES CONTRACTOR SHALL PROVIDE AND INSTALL A MEDIA CONVERTER, CAT. 6 CABLE AND POWER REQUIRED FOR THE MEDIA CONVERTER. PROVIDE ALL CONDUIT, CABLING, JUNCTION BOXES, ETC. AS REQUIRED FOR A COMPLETE SYSTEM (TYPICAL FOR ALL CAMERAS).
 2. MOUNT CAMERA TO SITE LIGHTING POLE WITH CAMERA BRACKET AS REQUIRED WITH CABLING AND ACCESSORIES FOR FULL CCTV INSTALLATION (TYPICAL FOR CAMERAS ON THIS PLAN).
 3. INSTALL WEATHERPROOF INTERCOM STATION AND CAMERA ON A PEDESTAL AS REQUIRED. INSTALL TWO(2) CONCRETE BOLLARDS AS DETAILED ON THIS SHEET TO PROTECT PEDESTAL (VER.).
 4. ALL CONDUIT AND JUNCTION BOXES FOR ES SYSTEMS SHALL BE PROVIDED AND INSTALLED BY ELECTRONIC SECURITY CONTRACTOR UNLESS ES CONTRACTOR AND EC AGREE THAT EC WILL INSTALL THE CONDUIT.

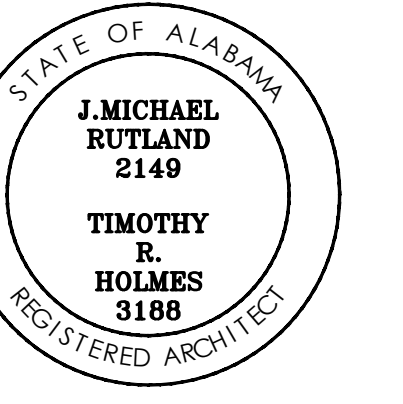


VEHICLE ACCESS PEDESTAL
N.T.S.



BOLLARD DETAIL
N.T.S.

JMR+H
Architecture, P.C.
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Phone: (334) 420-5672
Fax: (334) 420-5692



**CHOCTAW COUNTY JAIL
BUTLER,
ALABAMA**

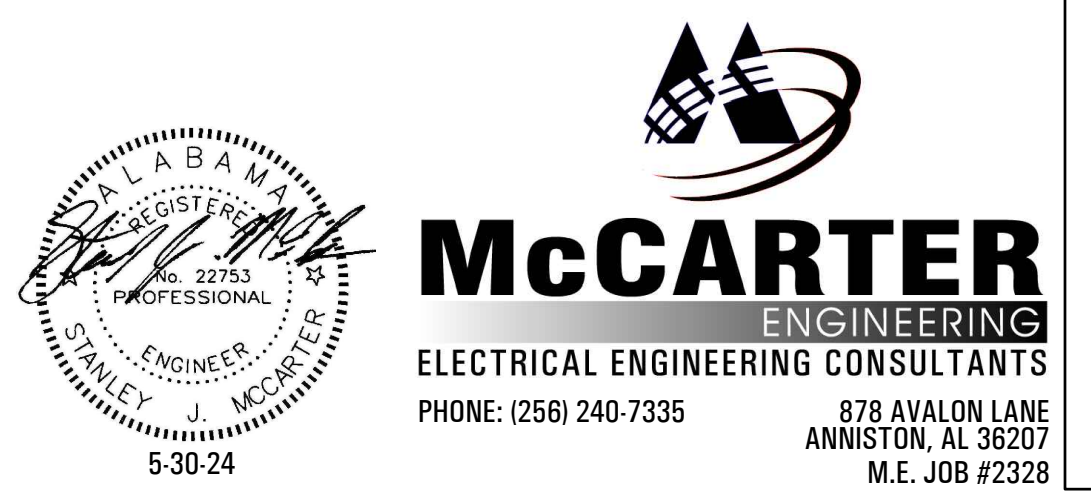
CONSTRUCTION DOCUMENTS

Project Number: 22-1189
Date: 30 MAY 2024
Revisions:

Sheet Description
ELECTRONIC SECURITY SITE PLAN

Sheet Number

ES1.1



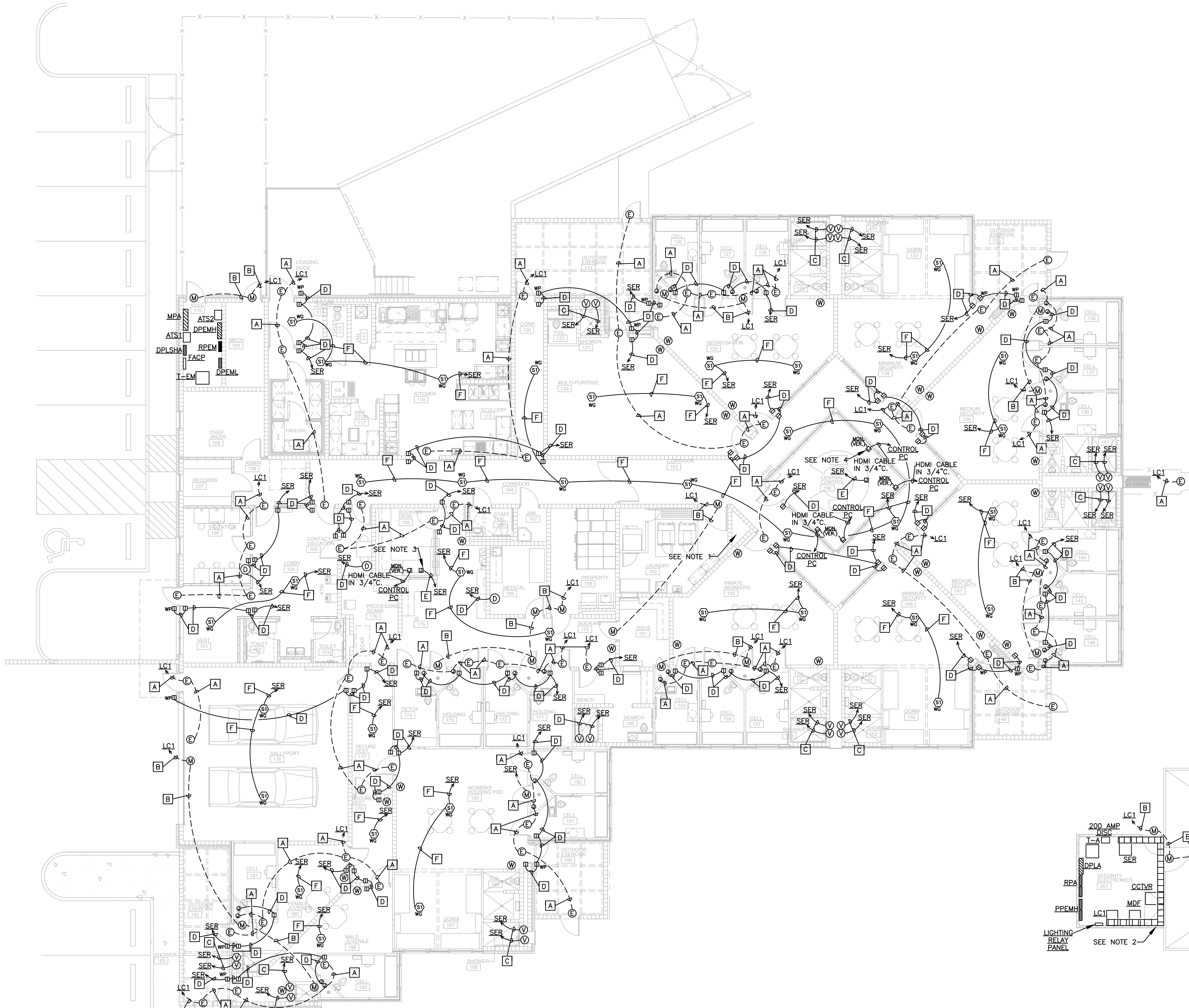
McCARTER
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ELECTRICAL ENGINEERING CONSULTANTS
PHONE: (256) 240-7335
878 AVALON LANE
ANNISTON, AL 36207
M.E. JOB #2328

ELECTRONIC SECURITY SYMBOLS

□	SECURITY SYSTEM - INTERCOM PUSHBUTTON. - SEE SPEC.
Ⓜ	SECURITY SYSTEM - DOOR CONTROL/ELECTRO-MECHANICAL. - SEE SPEC.
Ⓜ	SECURITY SYSTEM - DOOR POSITION SWITCH MONITOR. - SEE SPEC.
Ⓜ	SECURITY SYSTEM - CONTROL FOR WATER VALVES. - SEE SPEC.
Ⓜ	SECURITY SYSTEM - GUARD TOUR CHECKPOINT. - SEE SPEC.
Ⓜ	SECURITY SYSTEM - CAMERA FOR CCTV SYSTEM. ROUTE A CAT. 6 FROM EACH CAMERA TO NEAREST IDF RACK. SEE SPEC. VERIFY HEIGHTS OF ALL CAMERAS WITH OWNER PRIOR TO ROUGH-IN.
Ⓜ	SECURITY SYSTEM - CLOSED CIRCUIT T.V. - SEE SPEC.
Ⓜ	PAGING SYSTEM - ALL-CALL PAGING SPEAKER LOCATION. QUAM OR EQUAL. SEE SPEC.
SER	SECURITY ELECTRONICS RACK. SEE SPEC.
LC1	SECURITY ELECTRONICS DOOR CONTROL RACK.
CCTVR	SECURITY SYSTEM. CCTV RACK. SEE SPEC.

ELECTRONIC SECURITY CONDUIT/CABLING LEGEND

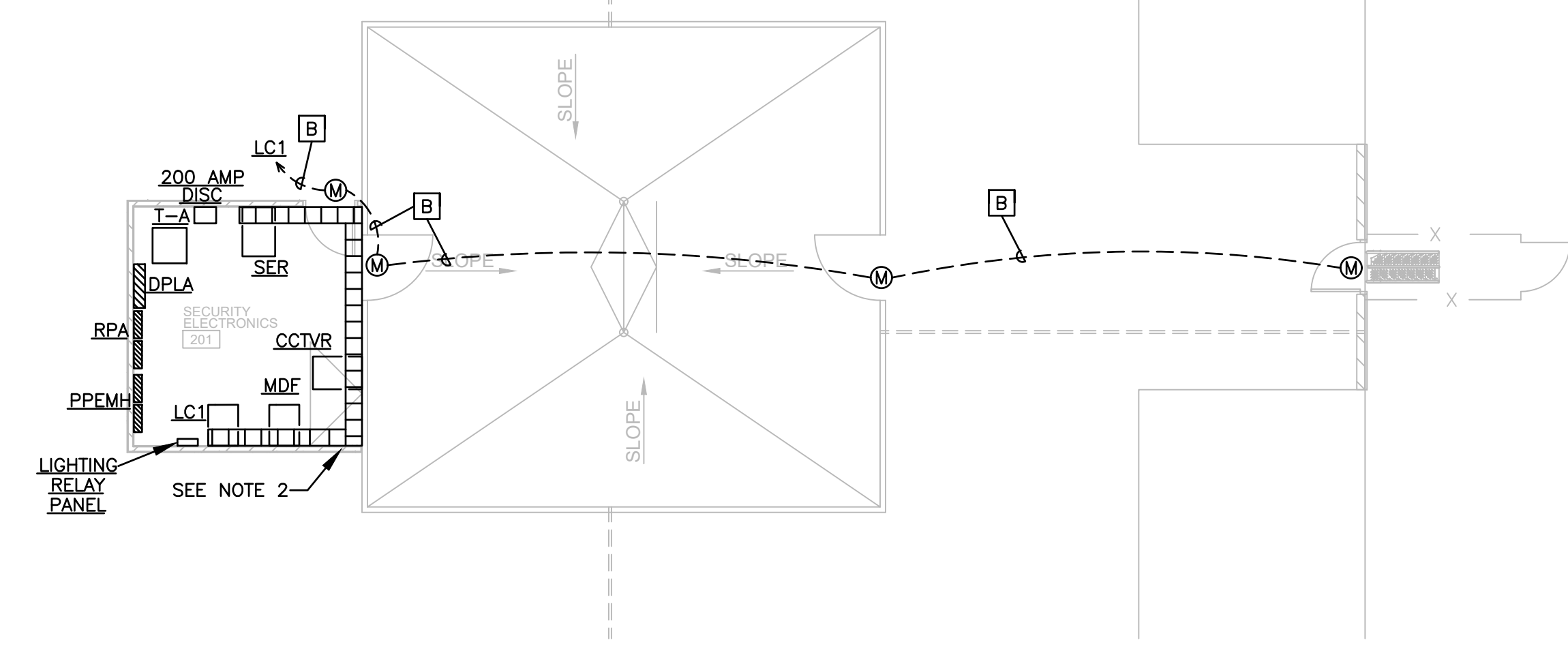
A	1" CONDUIT WITH 4 #14 AWG AND 3 #18 AWG PER DOOR FOR DOOR CONTROLS.
B	3/4" CONDUIT WITH WEST PENN #357 CABLE PER DOOR FOR DOOR MONITORING.
C	3/4" CONDUIT WITH WEST PENN #WP252268 14/2 STRANDED BARE COPPER CONDUCTORS BLACK WHITE PLENUM FOR OVERHEAD CONDUIT PER VALVE FOR VALVE CONTROL. 3/4" CONDUIT WITH WEST PENN #40225BK1000 14/2 STRANDED BARE COPPER CONDUCTORS BLACK WHITE WET RATED FOR CONDUIT IN SLAB PER VALVE FOR VALVE CONTROL.
D	3/4" CONDUIT WITH WEST PENN #357 CABLE PER INTERCOM STATIONS.
E	3/4" CONDUIT WITH CATEGORY 6 CABLE FOR CONTROL ROOM.
F	3/4" CONDUIT WITH WEST PENN #357 CABLE FOR PAGING SPEAKERS.



FIRST LEVEL ELECTRONIC SECURITY CONTROLS PLAN

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

- NOTES:
1. CONTRACTOR SHALL NOTE THAT THE CHASE SHOWN IN THIS ROOM SHALL ONLY HAVE ACCESS CONTROL CABLING AND CONDUIT ONLY.
 2. ALL CONDUIT AND JUNCTION BOXES FOR ES SYSTEMS SHALL BE PROVIDED AND INSTALLED BY ELECTRONIC SECURITY CONTRACTOR UNLESS ES CONTRACTOR AND EC AGREE THAT EC WILL INSTALL THE CONDUIT.
 3. CONTRACTOR SHALL PROVIDE AND (1)-32" TOUCHSCREEN MONITOR AND WORKSTATION FOR JAIL CONTROLS AND (1)-32" MONITOR FOR CCTV VIEWING. COORDINATE LOCATIONS WITH THE OWNER.
 4. CONTRACTOR SHALL PROVIDE AND (2)-32" TOUCHSCREEN MONITORS AND WORKSTATION FOR JAIL CONTROLS AND (4)-32" MONITORS FOR CCTV VIEWING. COORDINATE LOCATIONS WITH THE OWNER.

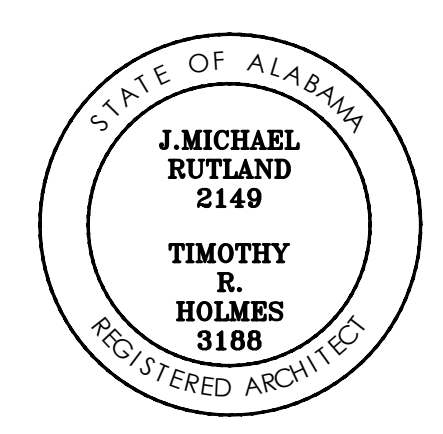


ATTIC ELECTRONIC SECURITY CONTROLS PLAN

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

- NOTES:
1. CONTRACTOR SHALL PROVIDE AND INSTALL A WIRING TROUGH BENEATH THE ES CABINETS FOR WIRING MANAGEMENT. VERIFY SIZE WITH ES CONTRACTOR.
 2. 12" WIDE LADDER RACK INSTALLED ABOVE SECURITY ELECTRONICS CABINETS.

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CHOCTAW COUNTY JAIL BUTLER, ALABAMA

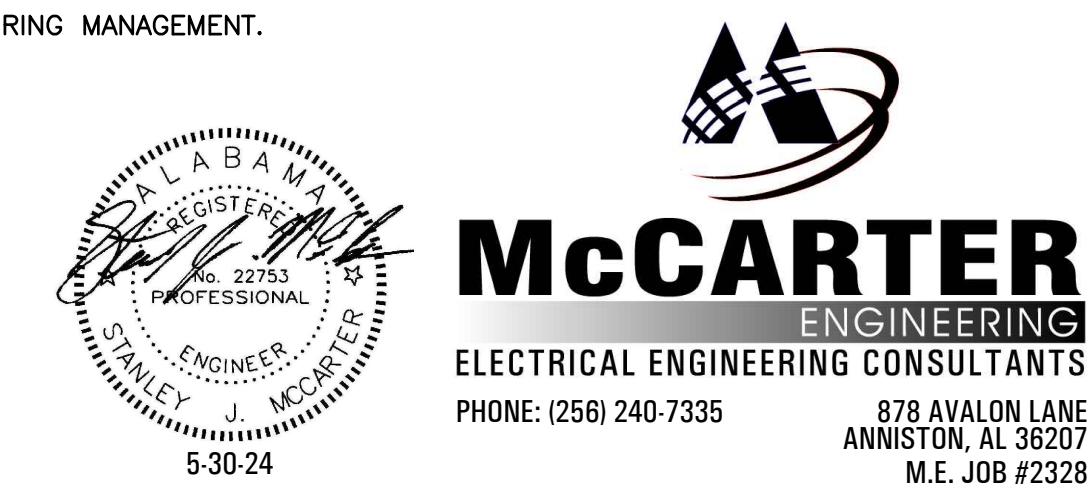
CONSTRUCTION DOCUMENTS

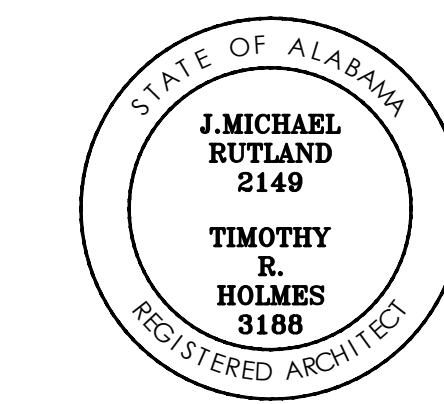
Project Number: 22-1189
 Date: 30 MAY 2024
 Revisions:

Sheet Description
FIRST LEVEL AND ATTIC ELECTRONIC SECURITY CONTROLS PLANS

Sheet Number

ES1.2





**CHOCTAW COUNTY JAIL
BUTLER,
ALABAMA**

CCTV CAMERA SCHEDULE

CAMERA NUMBER	CAMERA TYPE	LENS TYPE	PAN-TILT DRIVE UNIT	LOCATION
C1-1	1/3" COLOR IP	2.8-10MM	FIXED	EXTERIOR
C1-2	1/3" COLOR IP	2.8-10MM	FIXED	EXTERIOR
C1-3	1/3" COLOR IP	2.8-10MM	PTZ	OUTDOOR EXERCISE 182
C1-4	1/3" COLOR IP	2.8-10MM	FIXED	MALE JUVENILE 186
C1-5	1/3" COLOR IP	2.8-10MM	FIXED	MALE JUVENILE 186
C1-6	1/3" COLOR IP	1.6 MM	FISH EYE	CELL 185
C1-7	1/3" COLOR IP	2.8-10MM	FIXED	FEMALE JUVENILE 180
C1-8	1/3" COLOR IP	2.8-10MM	FIXED	FEMALE JUVENILE 180
C1-9	1/3" COLOR IP	1.6 MM	FISH EYE	CELL 181
C1-10	1/3" COLOR IP	2.8-10MM	FIXED	SECURE VESTIBULE 179
C1-11	1/3" COLOR IP	2.8-10MM	FIXED	SECURE VESTIBULE 177
C1-12	1/3" COLOR IP	2.8-10MM	FIXED	SALLYPORT 178
C1-13	1/3" COLOR IP	2.8-10MM	FIXED	SALLYPORT 178
C1-14	1/3" COLOR IP	2.8-10MM	FIXED	DORM 187
C1-15	1/3" COLOR IP	2.8-10MM	360	WOMENS HOUSING POD 193
C1-16	1/3" COLOR IP	2.8-10MM	PTZ	OUTDOOR EXERCISE 190
C1-17	1/3" COLOR IP	2.8-10MM	360	VEST 101
C1-18	1/3" COLOR IP	1.6 MM	FISH EYE	DETOX 174
C1-19	1/3" COLOR IP	1.6 MM	FISH EYE	HOLDING 173
C1-20	1/3" COLOR IP	2.8-10MM	360	BOOKING 170
C1-21	1/3" COLOR IP	2.8-10MM	FIXED	SEARCH 160
C1-22	1/3" COLOR IP	2.8-10MM	FIXED	BOOKING 170
C1-23	1/3" COLOR IP	2.8-10MM	FIXED	DORM 150
C1-24	1/3" COLOR IP	2.8-10MM	PTZ	OUTDOOR EXERCISE 149
C1-25	1/3" COLOR IP	2.8-10MM	360	LOBBY 104
C1-26	1/3" COLOR IP	2.8-10MM	PTZ	VIDEO VISITATION 106
C1-27	1/3" COLOR IP	2.8-10MM	FIXED	PROCESSING SCANS 176
C1-28	1/3" COLOR IP	1.6 MM	FISH EYE	CONTACT VISITATION 105
C1-29	1/3" COLOR IP	2.8-10MM	FIXED	BOOKING DESK 165
C1-30	1/3" COLOR IP	2.8-10MM	FIXED	MEDICAL 169
C1-31	1/3" COLOR IP	2.8-10MM	FIXED	PROPERTY 168
C1-32	1/3" COLOR IP	2.8-10MM	FIXED	CORRIDOR 163
C1-33	1/3" COLOR IP	2.8-10MM	FIXED	LAUNDRY 162
C1-34	1/3" COLOR IP	2.8-10MM	PTZ	INMATE WORKERS 155
C1-35	1/3" COLOR IP	2.8-10MM	FIXED	CORRIDOR 163
C1-36	1/3" COLOR IP	2.8-10MM	FIXED	CORRIDOR 163
C1-37	1/3" COLOR IP	2.8-10MM	FIXED	CORRIDOR 163
C1-38	1/3" COLOR IP	1.6 MM	FISH EYE	CENTRAL CONTROL 156
C1-39	1/3" COLOR IP	2.8-10MM	PTZ	MINIMUM SECURITY 148
C1-40	1/3" COLOR IP	2.8-10MM	PTZ	MEDIUM SECURITY 147
C1-41	1/3" COLOR IP	2.8-10MM	PTZ	MEDIUM SECURITY 139
C1-42	1/3" COLOR IP	2.8-10MM	PTZ	MINIMUM SECURITY 134
C1-43	1/3" COLOR IP	2.8-10MM	PTZ	OUTDOOR EXERCISE 135
C1-44	1/3" COLOR IP	2.8-10MM	FIXED	CORRIDOR 163
C1-45	1/3" COLOR IP	2.8-10MM	PTZ	SEGREGATION 125
C1-46	1/3" COLOR IP	1.6 MM	FISH EYE	CELL 128
C1-47	1/3" COLOR IP	1.6 MM	FISH EYE	CELL 127
C1-48	1/3" COLOR IP	1.6 MM	FISH EYE	CELL 128
C1-49	1/3" COLOR IP	2.8-10MM	PTZ	OUTDOOR EXERCISE 121
C1-50	1/3" COLOR IP	2.8-10MM	PTZ	EXTERIOR
C1-51	1/3" COLOR IP	2.8-10MM	FIXED	CORR. 120
C1-52	1/3" COLOR IP	2.8-10MM	FIXED	KITCHEN 114
C1-53	1/3" COLOR IP	2.8-10MM	FIXED	KITCHEN 114
C1-54	1/3" COLOR IP	2.8-10MM	FIXED	KITCHEN 114
C1-55	1/3" COLOR IP	2.8-10MM	FIXED	KITCHEN 114
C1-56	1/3" COLOR IP	2.8-10MM	FIXED	SECURE VEST 111
C1-57	1/3" COLOR IP	2.8-10MM	FIXED	CORRIDOR 164
C1-58	1/3" COLOR IP	2.8-10MM	PTZ	MULTI-PURPOSE 124
C1-59	1/3" COLOR IP	2.8-10MM	PTZ	EXTERIOR(ROOF)
C1-60	1/3" COLOR IP	2.8-10MM	PTZ	SITE
C1-61	1/3" COLOR IP	2.8-10MM	PTZ	SITE
C1-62	1/3" COLOR IP	2.8-10MM	FIXED	SITE
C1-63	1/3" COLOR IP	2.8-10MM	PTZ	SITE
C1-64	1/3" COLOR IP	2.8-10MM	PTZ	SITE
C1-65(ALTERNATE)	1/3" COLOR IP	2.8-10MM	PTZ	SITE
C1-66(ALTERNATE)	1/3" COLOR IP	2.8-10MM	PTZ	SITE
C1-67	1/3" COLOR IP	2.8-10MM	PTZ	SITE
C1-68	1/3" COLOR IP	2.8-10MM	FIXED	SITE
C1-69	1/3" COLOR IP	2.8-10MM	PTZ	EXTERIOR



FIRST LEVEL ELECTRONIC SECURITY CCTV PLAN

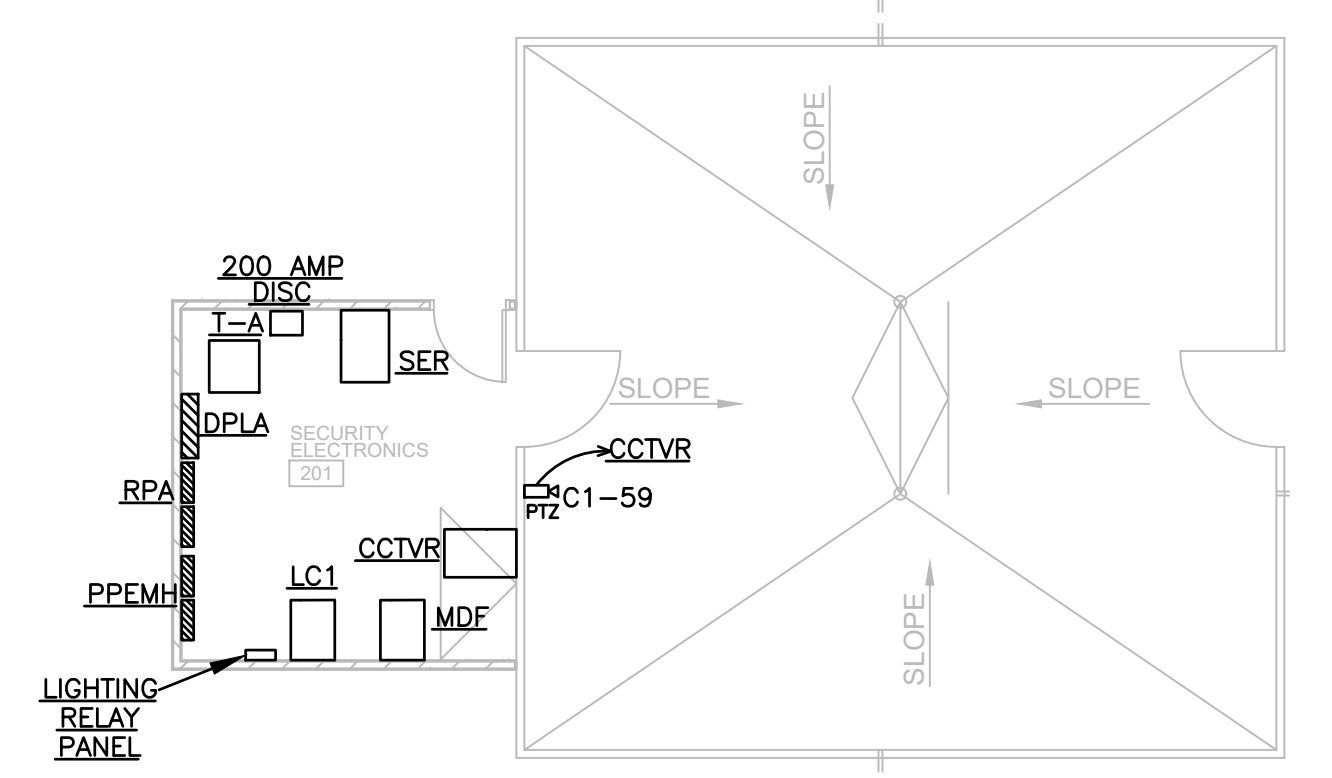
SCALE: 1/8" = 1'-0"

- NOTES:
1. CONTRACTOR SHALL INSTALL A 3/4" WITH CAT. 6 CABLE FROM CAMERA LOCATION TO CCTV. FOUR (4) CAMERAS MAY BE GANGED TOGETHER IN THE 3/4" HOMERUN.(TYPICAL FOR ALL CAMERAS.)
2. ALL CONDUIT AND JUNCTION BOXES FOR ES SYSTEMS SHALL BE PROVIDED AND INSTALLED BY ELECTRONIC SECURITY CONTRACTOR UNLESS ES CONTRACTOR AND EC AGREE THAT EC WILL INSTALL THE CONDUIT.

ATTIC ELECTRONIC SECURITY CCTV PLAN

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

- NOTES:
1. CONTRACTOR SHALL INSTALL A 3/4" WITH CAT. 6 CABLE FROM CAMERA LOCATION TO CCTV.(TYPICAL FOR ALL CAMERAS.)
2. ALL CONDUIT AND JUNCTION BOXES FOR ES SYSTEMS SHALL BE PROVIDED AND INSTALLED BY ELECTRONIC ES CONTRACTOR AND EC AGREE THAT EC WILL INSTALL THE CONDUIT.



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CONSTRUCTION DOCUMENTS

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**FIRST LEVEL AND
ATTIC ELECTRONIC
SECURITY CCTV
PLAN**