

ELEMENTARY ADDITION TO SUMTER CENTRAL HIGH SCHOOL

13878 US HIGHWAY 11, YORK, ALABAMA 36925
SUMTER COUNTY BOARD OF EDUCATION

SUMTER COUNTY BOARD OF EDUCATION

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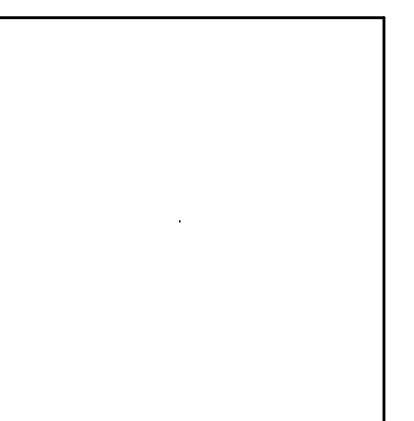
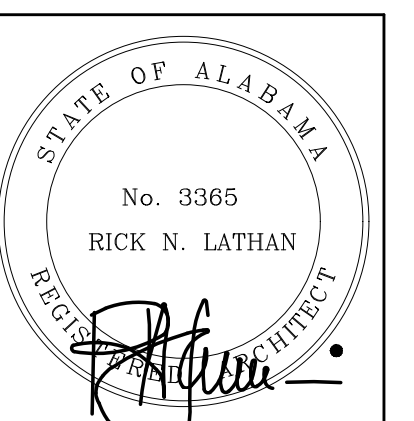
ARCHITECT LATHAN ASSOCIATES ARCHITECTS, P.C.
300 CHASE PARK SOUTH
SUITE 200
HOOVER, ALABAMA 35244
EMAIL: RFI@LATHANASSOCIATES.COM

CIVIL TTL, INC.
10 INVERNESS CENTER PKWY
SUITE 350
BIRMINGHAM, ALABAMA 35242

STRUCTURAL STRUCTURAL DESIGN GROUP, INC.
300 CHASE PARK SOUTH
SUITE 125
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PLUMBING/MECHANICAL/ ELECTRICAL DEWBERRY
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SUITE 205
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SHEET TITLE:
TITLE AND INDEX

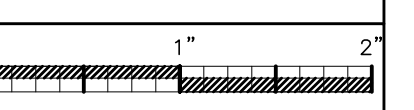
PROJ. MGR.: R. VERNON
DRAWN: JWW
IDR
DATE: 6/24/2024
REVISIONS

JOB NO. 24-38

SHEET NO:

T1

1 OF 4



DRAWING INDEX (SET - 105 TOTAL SHEETS)

GENERAL (4 SHEETS)

- T1 - TITLE AND INDEX
- LS1.0 - LIFE SAFETY PLAN
- LS1.1 - STORM SHELTER PLAN
- LS1.2 - STORM SHELTER SIGNAGE

CIVIL DRAWINGS (9 SHEETS)

- C0.1 - CIVIL NOTES
- C1.0 - SITE DEMOLITION PLAN
- C2.0 - SITE LAYOUT PLAN
- C3.0 - GRADING & DRAINAGE PLAN
- C4.0 - EROSION CONTROL PLAN
- C4.1 - EROSION CONTROL DETAILS
- C5.0 - SITE UTILITY PLAN
- C6.0 - CIVIL DETAILS
- C6.1 - CIVIL DETAILS

ARCHITECTURAL DRAWINGS (27 SHEETS)

- A1.0 - ARCHITECTURAL MASTER PLAN
- A2.1 - PARTIAL FLOOR PLAN - AREA A
- A2.2 - PARTIAL FLOOR PLAN - AREA B
- A2.3 - PARTIAL FLOOR PLAN - AREA C
- A2.4 - ROOF PLAN
- A2.5 - ROOF DETAILS
- A2.6 - DOOR AND WINDOW SCHEDULES
- A3.0 - ELEVATIONS
- A3.1 - BUILDING SECTIONS
- A3.2 - WALL SECTIONS
- A3.3 - WALL SECTIONS
- A3.4 - SHELTER ELEVATIONS AND PLANS
- A5.1 - ENLARGED TOILET PLANS AND ELEVATIONS
- A5.2 - TOILET INTERIOR ELEVATIONS
- A6.1 - INTERIOR ELEVATIONS
- A6.2 - MILLWORK DETAILS
- A7.1 - PARTIAL REFLECTED CEILING PLAN - AREA A
- A7.2 - PARTIAL REFLECTED CEILING PLAN - AREA B
- A7.3 - PARTIAL REFLECTED CEILING PLAN - AREA C
- A8.1 - PARTIAL FLOOR FINISH PLAN - AREA A
- A8.2 - PARTIAL FLOOR FINISH PLAN - AREA B
- A8.3 - PARTIAL FLOOR FINISH PLAN - AREA C
- A9.0 - SIGNAGE PLAN
- A10.0 - GYM FLOOR PLAN AND ELEVATIONS
- A10.1 - GYM BUILDING AND WALL SECTIONS
- A10.2 - GYM ENLARGED TOILET PLANS AND ELEVATIONS
- A10.3 - GYM REFLECTED CEILING PLAN AND FINISH FLOOR PLAN, LEGENDS AND SCHEDULES

STRUCTURAL DRAWINGS (16 SHEETS)

- S1.0 - GENERAL NOTES
- S1.1 - GENERAL NOTES CONTINUED
- S1.2 - TYPICAL DETAILS
- S1.3 - TYPICAL DETAILS
- S1.4 - TYPICAL DETAILS
- S1.5 - TYPICAL DETAILS
- S2.0 - PARTIAL FOUNDATION PLAN - AREA A
- S2.1 - PARTIAL FOUNDATION PLAN - AREA B
- S2.2 - PARTIAL FOUNDATION PLAN - AREA C
- S2.3 - PARTIAL ROOF FRAMING PLAN - AREA A
- S2.4 - PARTIAL ROOF FRAMING PLAN - AREA B
- S2.5 - PARTIAL ROOF FRAMING PLAN - AREA C
- S3.1 - SECTIONS AND DETAILS
- S3.2 - SECTIONS AND DETAILS
- S10.1 - GYMNASIUM FOUNDATION AND ROOF FRAMING
- S10.2 - GYMNASIUM SECTIONS AND DETAILS

FIRE PROTECTION DRAWINGS (5 SHEETS)

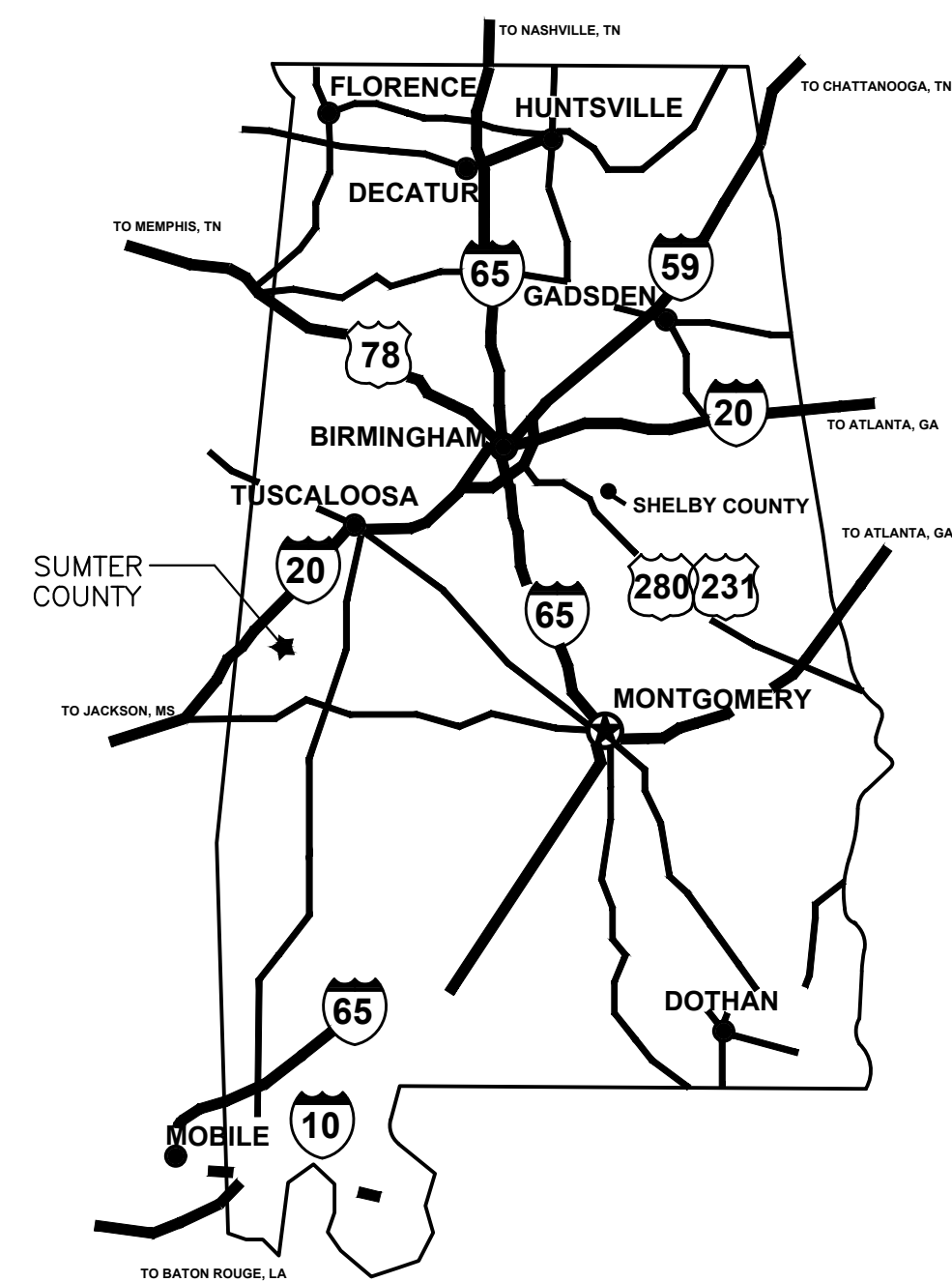
- FP0.1 - FIRE PROTECTION SCHEDULES AND DETAILS
- FP0.2 - FIRE PUMP DETAILS
- FP0.3 - FIRE PUMP DETAILS (CONT.)
- FP1.0 - FIRE PROTECTION - FLOOR PLAN - PART A & B
- FP1.1 - FIRE PROTECTION - FLOOR PLAN - PART C & GYM

PLUMBING DRAWINGS (7 SHEETS)

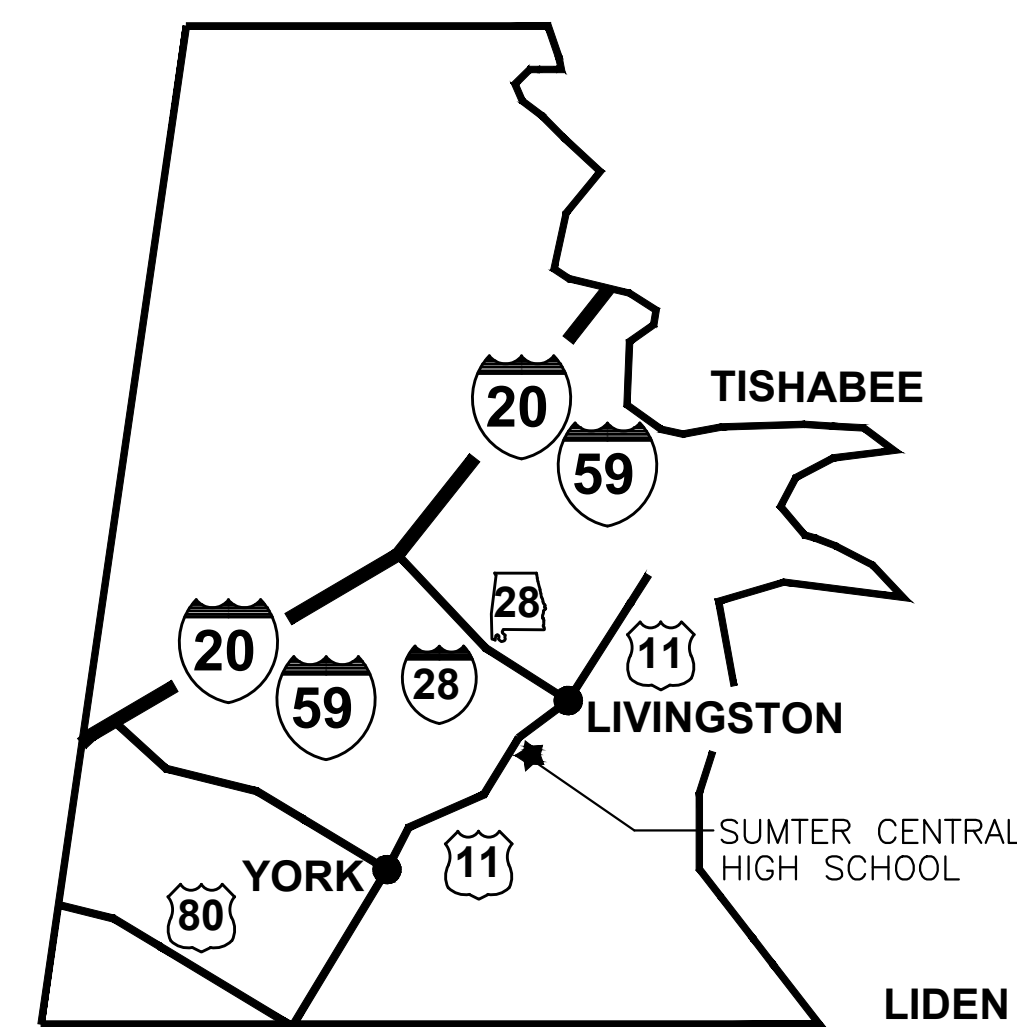
- P0.01 - PLUMBING SCHEDULES AND NOTES
- P1.0 - NON-PRESSURE PIPING - FLOOR PLAN - PART A & B
- P1.1 - NON-PRESSURE PIPING - FLOOR PLAN - PART C & GYM
- P2.0 - PRESSURE PIPING - FLOOR PLAN - PART A & B
- P2.1 - PRESSURE PIPING - FLOOR PLAN - PART C & GYM
- P3.0 - NON-PRESSURE - RISERS
- P3.1 - PRESSURE - RISERS

MECHANICAL DRAWINGS (17 SHEETS)

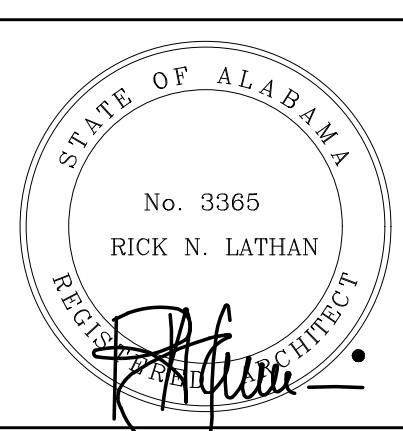
- M0.1 - MECHANICAL LEGEND AND SCHEDULES
- M0.2 - MECHANICAL SCHEDULES
- M0.3 - MECHANICAL DETAILS AND CONTROLS
- M0.4 - MECHANICAL DETAILS
- M0.5 - MECHANICAL DETAILS
- M0.6 - OUTSIDE AIR CALCULATIONS
- M0.7 - OUTSIDE AIR CALCULATIONS
- M0.8 - OUTSIDE AIR CALCULATIONS
- M1.0 - MECHANICAL - FLOOR PLAN - PART A
- M1.1 - MECHANICAL - FLOOR PLAN - PART B
- M1.2 - MECHANICAL - FLOOR PLAN - PART C
- M2.0 - MECHANICAL - ROOF PLAN - PART A
- M2.1 - MECHANICAL - ROOF PLAN - PART B
- M2.2 - MECHANICAL - ROOF PLAN - PART C
- M3.0 - MECHANICAL - PIPING - FLOOR PLAN - PART A
- M3.1 - MECHANICAL - PIPING - FLOOR PLAN - PART B
- M3.2 - MECHANICAL - PIPING - FLOOR PLAN - PART C



AREA MAP
STATE OF ALABAMA



VICINITY MAP
SUMTER COUNTY, ALABAMA



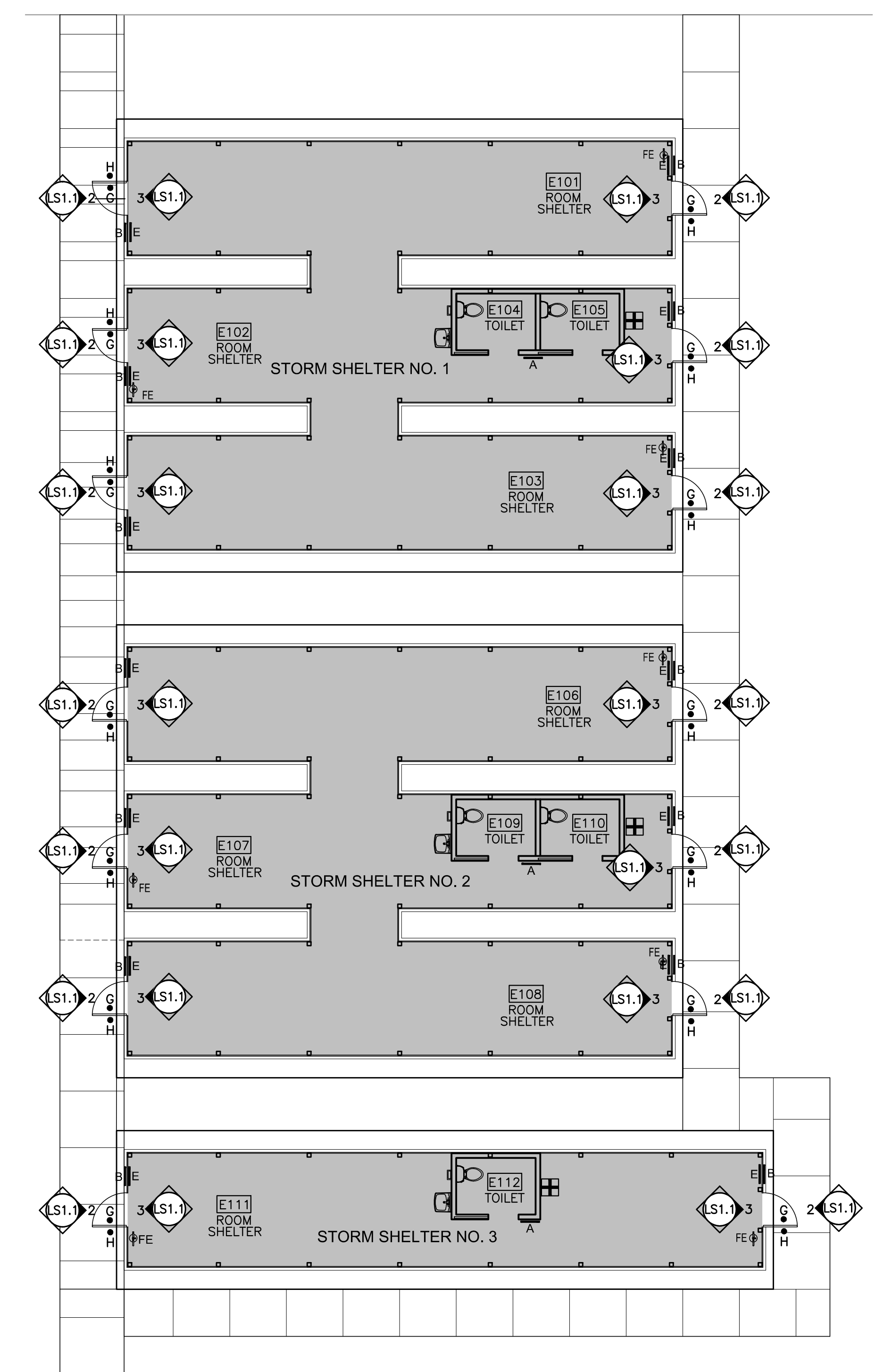
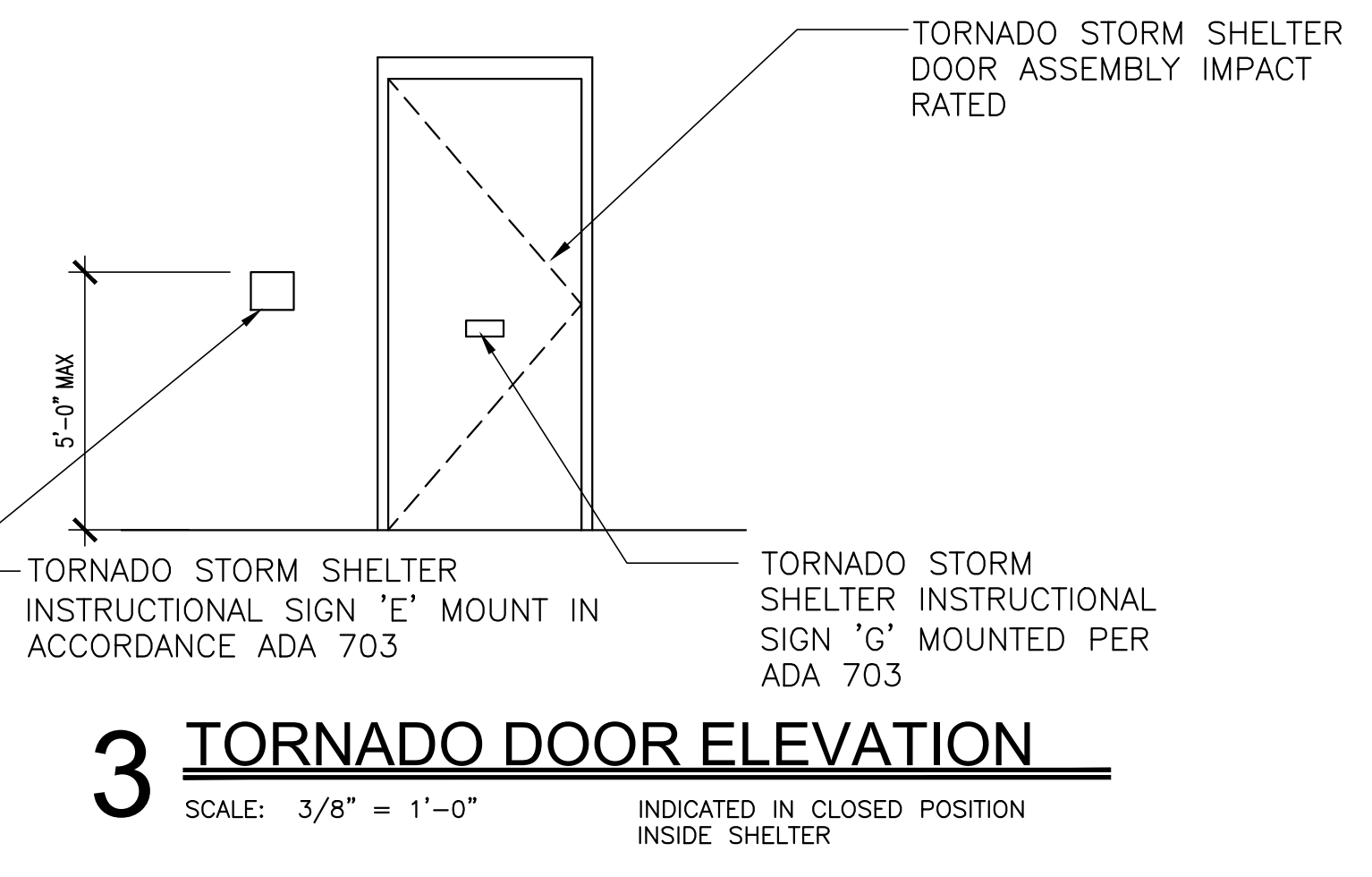
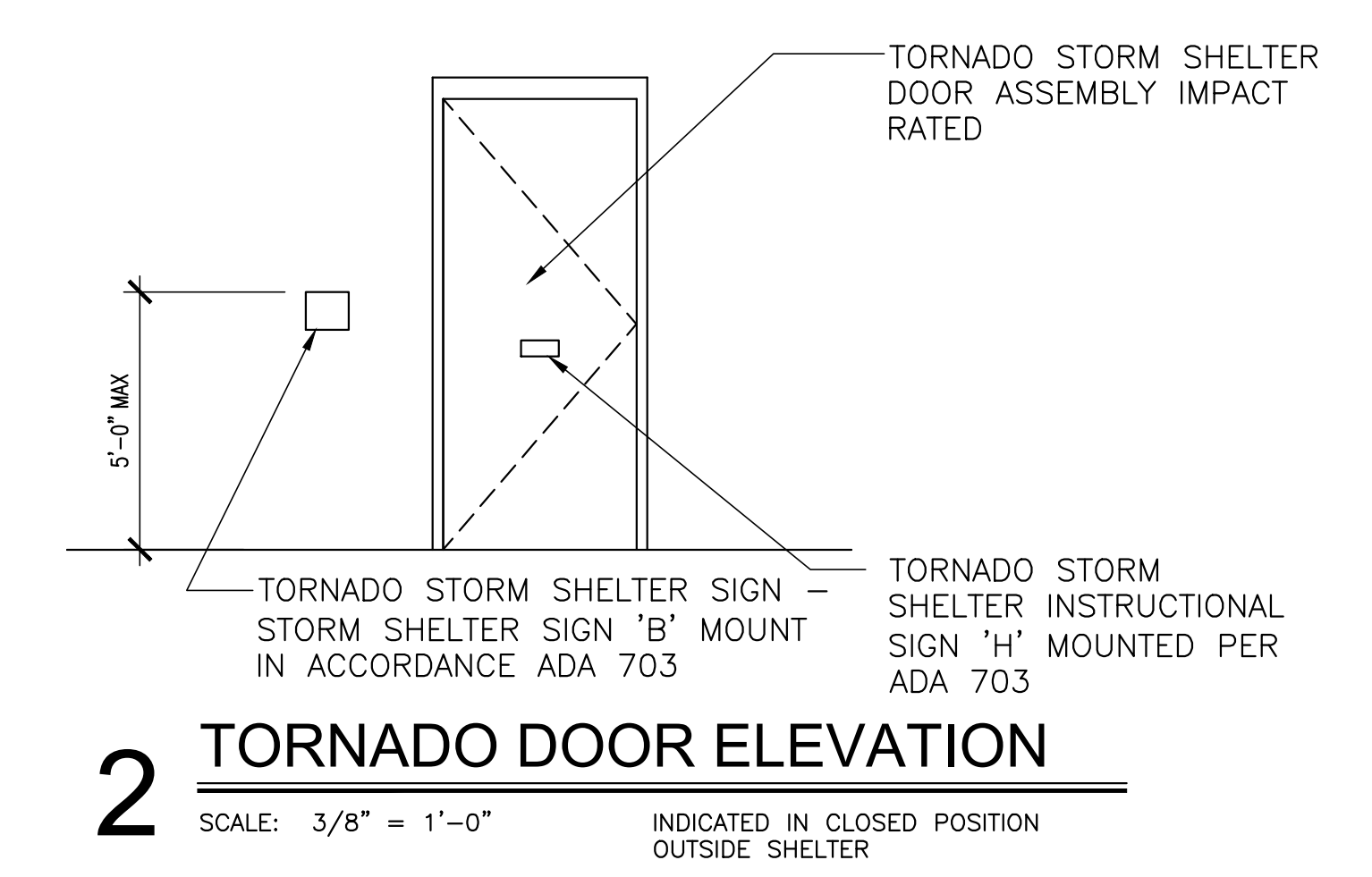
SHEET TITLE:
STORM SHELTER PLAN

PROJ. MGR.: R. VERNON
DRAWN: HR
DATE: 6/24/2024
REVISIONS

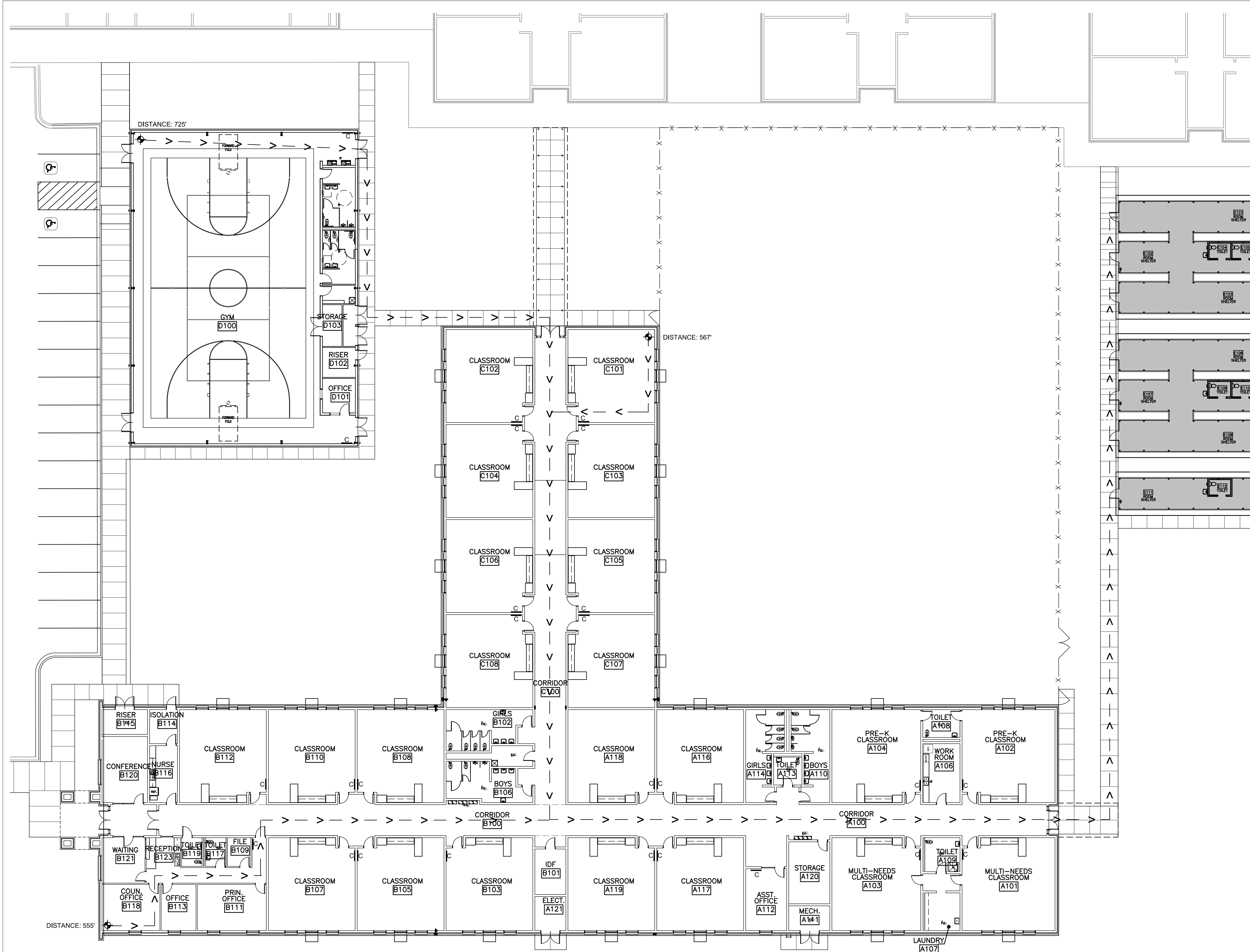
JOB NO. 24-38

SHEET NO:

LS1.1
3 OF 4



1 TORNADO SHELTER PLAN
SCALE: 1/16" = 1'-0"



1 TORNADO SHELTER ACCESS PLAN
SCALE: 1/16" = 1'-0"

TORNADO STORM SHELTER CALCULATION
2020 ICC 500 (DCM Bulletin #23-02: Updated Guidance on Tornado Storm Shelter Requirements for Public K-12 School November 22, 2022 and DCM Bulletin #23-03 Updated Guidance on Mandatory Tornado Storm Shelters Required by IBC November 23, 2022)

GROSS AREA OF CLASSROOM/INSTRUCTIONAL SPACE:	18,411.05 S.F.
REQUIRED OCCUPANT CAPACITY (STUDENT AND FACULTY):	18,411.05 / 30 = 613.7017 PERSONS + 10% 61.3702 = 675.0719 (676)
REQUIRED USEABLE SHELTER FLOOR AREA:	672(5) = 3,360 S.F. + 40 S.F. (4- WHEELCHAIR) = 3,400 S.F.
PROVIDED USEABLE SHELTER FLOOR AREA SHELTER 1:	1,488 S.F. - 35 S.F. (TOILETS) = 1,453 S.F.
	1,453 S.F. - 10 SF(ICC 500 - 502.4.2) = 1,443 S.F.
	TOTAL USEABLE PROVIDED = 1,443 S.F.
ACTUAL CAPACITY OF STORM SHELTER 1:	286 / 284(5) + 2 WHEELCHAIRS (20) = 1,440 S.F.
PROVIDED USEABLE SHELTER FLOOR AREA SHELTER 2:	1,488 S.F. - 35 S.F. (TOILETS) = 1,453 S.F.
	1,453 S.F. - 10 SF(ICC 500 - 502.4.2) = 1,443 S.F.
	TOTAL USEABLE PROVIDED = 1,443 S.F.
ACTUAL CAPACITY OF STORM SHELTER 2:	286 / 284(5) + 2 WHEELCHAIRS (20) = 1,440 S.F.
PROVIDED USEABLE SHELTER FLOOR AREA SHELTER 3:	560 S.F. - 17.5 S.F. (TOILETS) = 542.5 S.F.
	542.5 S.F. - 5 SF(ICC 500 - 502.4.2) = 537.5 S.F.
	TOTAL USEABLE PROVIDED = 537.5 S.F.
ACTUAL CAPACITY OF STORM SHELTER 3:	106 / 105(5) + 1 WHEELCHAIRS (10) = 535 S.F.
ACTUAL CAPACITY OF ALL THREE STORM SHELTERS COMBINED:	678 PERSONS

SHELTER LEGEND

LOCATION	DOOR TYPE
	90 MINUTE TORNADO IMPACT RATED DOOR AND FRAME
	TORNADO IMPACT RATED SHUTTER
	2 HR FIRE BARRIER
	TRAVEL DISTANCE
	FIRE EXTINGUISHER

SHELTER SIGN LEGEND

SYMBOL	DESCRIPTION
A	SECTION 508 STORM SHELTER PLAQUE WALL MOUNTED PER ADA 703 (1/LS1.2)
B	SECTION 508 STORM SHELTER SIGN WALL MOUNTED PER ADA 703 (2/LS1.2)
C	SECTION 508 STORM SHELTER IDENTIFYING SIGN WALL MOUNTED PER ADA 703 (3/LS1.2)
D	SIGN "D" OPEN DURING SHELTER (4/LS1.2)
E	SIGN "E" LEAVING SHELTER SIGN (6/LS1.2)
F	SIGN "F" FAN SWITCH SIGN (6/LS1.2)
G	SIGN "G" CLOSE DURING SHELTER EVENT SIGN (7/LS1.2)
H	SIGN "H" DO NOT OPEN DURING SHELTER EVENT SIGN (8/LS1.2)
I	STORM INSTRUCTIONAL SIGN MOUNTED PER ADA 703 (7/LS1.2 AND 8/LS1.2)
J	FIRST AID KIT

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

TABLE 702.3 SANITATION FACILITIES STORM SHELTERS 1 AND 2

REQUIRED TOILET FACILITIES	2
PROVIDED TOILET FACILITIES	2
REQUIRED LAVATORIES	1
PROVIDED LAVATORIES	1

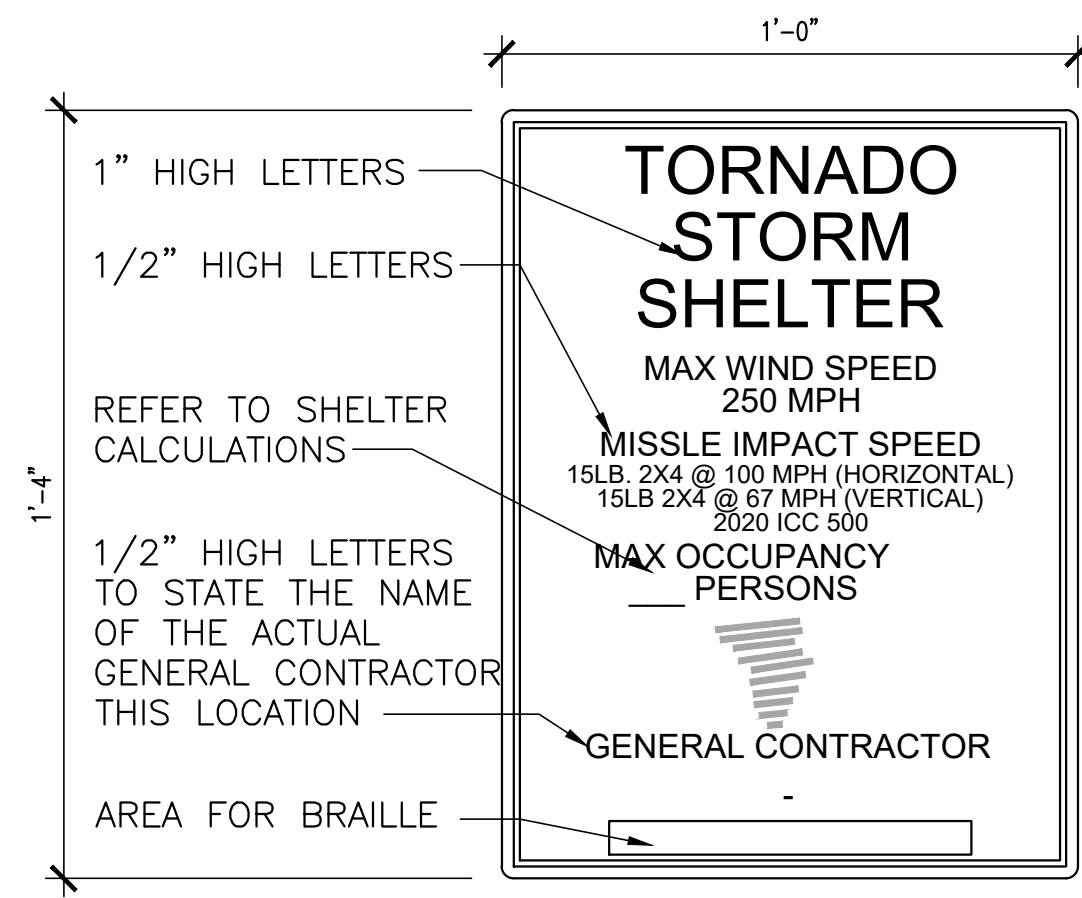
TABLE 702.3 SANITATION FACILITIES STORM SHELTER NO. 3

REQUIRED TOILET FACILITIES	1
PROVIDED TOILET FACILITIES	1
REQUIRED LAVATORIES	1
PROVIDED LAVATORIES	1

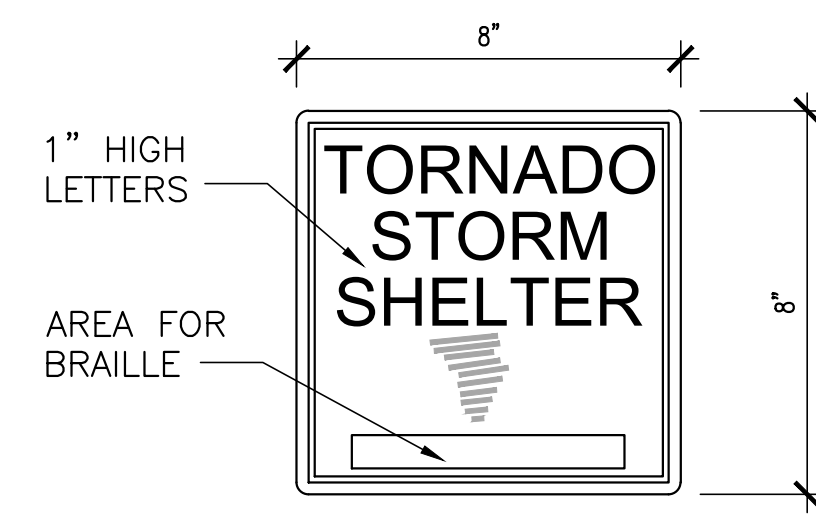
FIRE RATED WALLS:
FIRE RATED WALLS INDICATED ON THIS SHEET ARE TORNADO STORM SHELTER WALLS ONLY. SEE LIFE SAFETY PLANS ON SHEET LS1.1 FOR ALL OTHER REQUIRED FIRE RATED WALLS.

NOTE:
THE TORNADO STORM SHELTER IS A PRE-ENGINEERED PRE-MANUFACTURED UNIT. PERFORMANCE SPECIFICATIONS ALONG WITH BASIS OF DESIGN PLANS FROM SAFE-T-SHELTER ARE ATTACHED TO THE SPECIFICATION MANUAL. SPECIFICATIONS REQUIRE INDEPENDENT PEER REVIEW DOCUMENTATION BE PROVIDED BY THE SUCCESSFUL VENDOR. SINCE THIS IS A MANUFACTURED SYSTEM WE HAVE PROVIDED PEER REVIEW LETTER FOR ARCHITECTURAL TO INDICATE OUR DESIGN CRITERIA COMPLIES WITH ICC 500 2020 AND DCM GUIDANCE MEMOS FOR OCCUPANT LOAD. INDEPENDENT STRUCTURAL, PLUMBING, HVAC AND ELECTRICAL TESTING DOCUMENTATION AND PEER REVIEW WILL BE PROVIDED BY THE SUCCESSFUL VENDOR AND SUBMITTED FOR REVIEW AT THAT TIME.

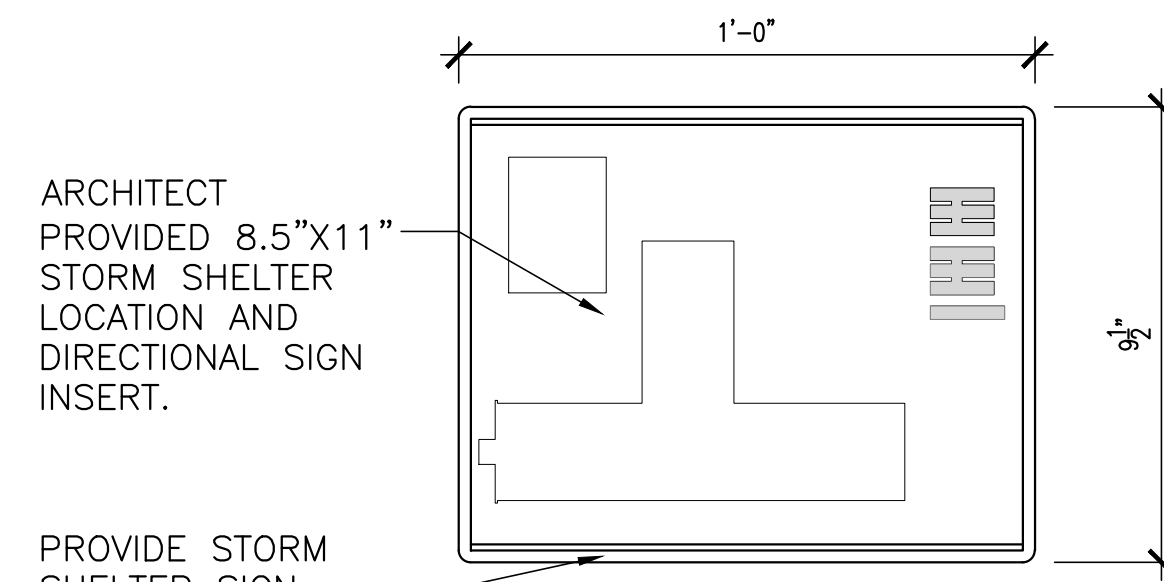
NOTE:
1. ALL PENETRATIONS 2" OR GREATER MUST BE PROTECTED WITH A STORM SHELTER BAFFLE OR STORM SHELTER LOWER SYSTEM. SEE ENGINEER FOR CONDITIONS AND DETAILS.
2. PROVIDE A COLD JOINT AT ALL AREAS WHERE STORM SHELTER SLAB MEETS THE NORMAL SLAB CONDITION. SEE STRUCTURAL.
3. ALL SIGNS SHALL BE IN ACCORDANCE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



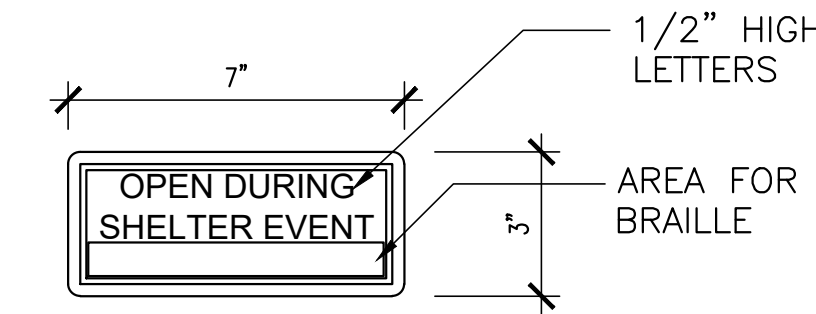
1 TORNADO STORM SHELTER PLAQUE - A
SCALE: 3" = 1'-0"



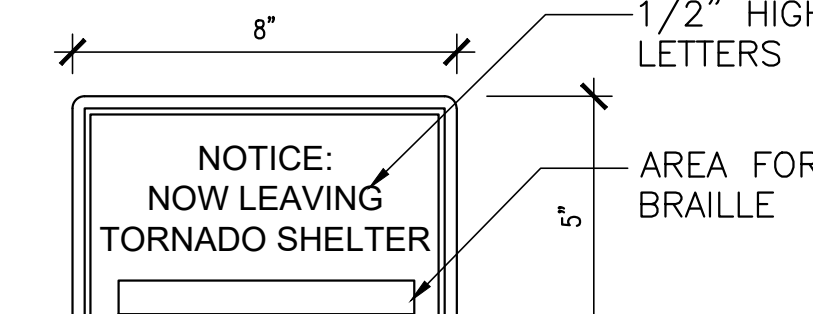
2 TORNADO STORM SHELTER SIGN - B
SCALE: 3" = 1'-0"



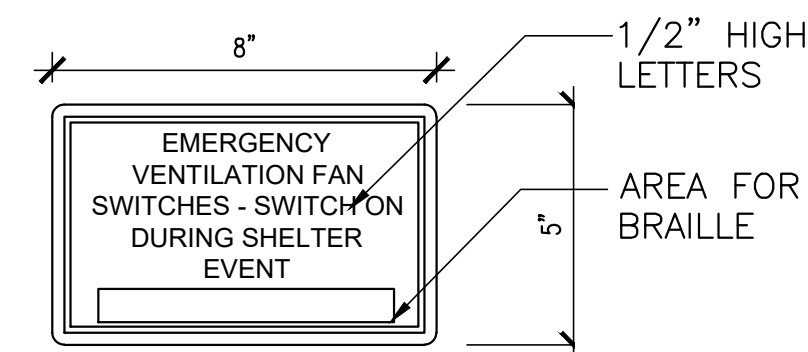
3 TORNADO STORM SHELTER LOCATION SIGN FRAME - C
SCALE: 3" = 1'-0"



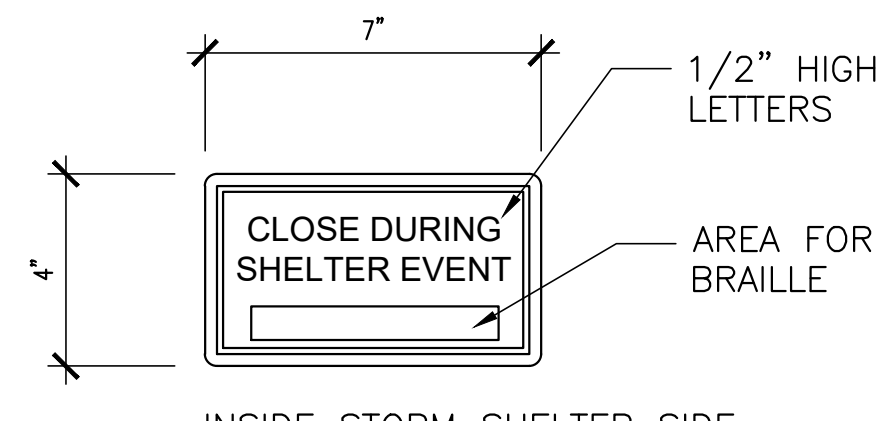
4 TORNADO STORM SHELTER INSTRUCTIONAL SIGN -D
SCALE: 3" = 1'-0"



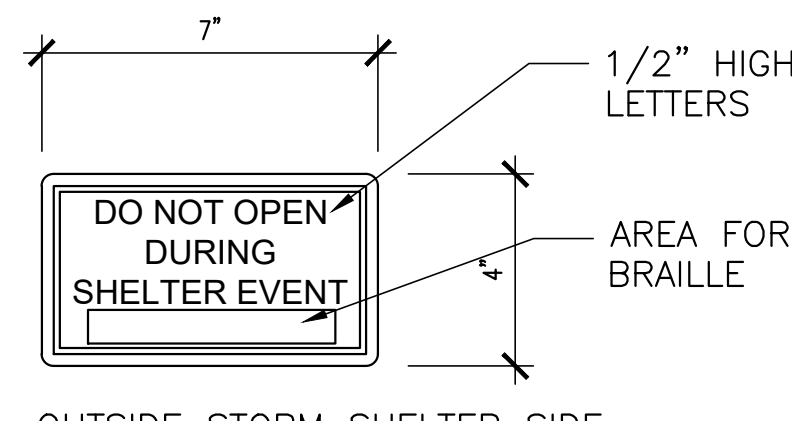
5 TORNADO STORM SHELTER INSTRUCTIONAL SIGN -E
SCALE: 3" = 1'-0"



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

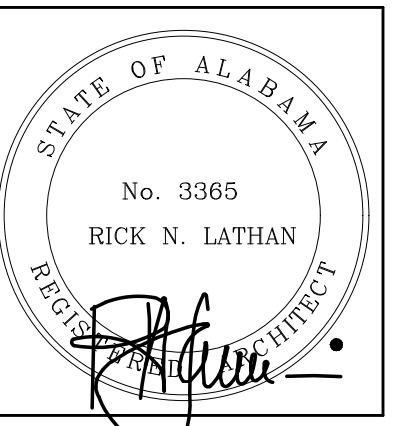


7 TORNADO STORM SHELTER INSTRUCTIONAL SIGN - G
SCALE: 3" = 1'-0"



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

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SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION



SHEET TITLE:
STORM SHELTER SIGNAGE

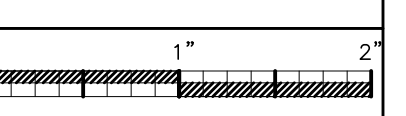
PROJ. MGR.: R. VERNON
DRAWN: HR
DATE: 6/24/2024
REVISIONS

JOB NO. 24-38

SHEET NO:

LS1.2

4 OF 4





Job No.: 241101441
 10 Inverness Center Parkway, Suite 350
 Birmingham, AL 35242
 205.539.0384 | www.ttlusa.com



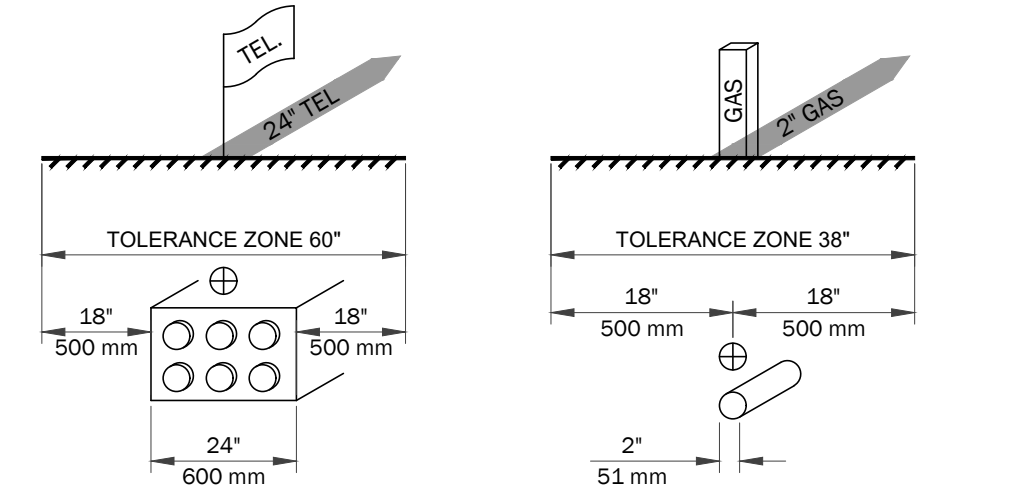
LATHAN
 ARCHITECTS

EXISTING UTILITY NOTES

APWA UNIFORM COLOR CODE FOR MARKING UNDERGROUND UTILITY LINES

WHITE - Proposed excavation
 Pink - Temporary survey markings
 RED - Electric Power Lines, Cables, Conduit and Lighting Cables
 YELLOW - Gas, Oil, Steam, Petroleum or Gaseous Materials
 BLUE - Potable Water
 PURPLE - Reclaimed Water, Irrigation and Slurry Lines
 GREEN - Sewers and Drain Lines

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



ANY EXCAVATION WITHIN THE TOLERANCE ZONE SHOULD BE PERFORMED WITH NON-POWERED HAND TOOLS OR NON-DAMAGING METHODS UNTIL THE MARKING IS EXPOSED. THE WIDTH OF THE TOLERANCE ZONE MAY BE SPECIFIED IN LAW OR CODE. IF NOT, 500 mm (18") IS REQUIRED FROM EACH SIDE OF THE FACILITY. THE TOLERANCE ZONE INCLUDES THE WIDTH OF THE FACILITY PLUS 18" (500 mm) MEASURED HORIZONTAL FROM EACH SIDE OF THE FACILITY.

GENERAL PROJECT NOTES:

- THE LOCATIONS OF THE EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AS PROVIDED BY UTILITY OWNERS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES "POTHOLING" THEM BEFORE COMMENCING WORK. THE CONTRACTOR SHALL CONTACT THE ALABAMA ONE-CALL, LOCAL WATER AUTHORITIES, AND UTILITY PROVIDERS, ETC. FOR UTILITY LOCATES. IN THE EVENT OF ANY DAMAGE TO IN-PLACE UTILITIES, THEY SHALL BE REPAIRED AND REPLACED TO THE SATISFACTION OF THE ENGINEER AND THE UTILITY OWNERS AT THE CONTRACTOR'S EXPENSE.
- ANY EXISTING PROPERTY CORNERS (I.E. - IRON PIPES, CAPPED PIPES, CAPPED MONUMENTS, ETC.) DISPLACED OR DAMAGED DURING CONSTRUCTION SHALL BE RESET. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND SHALL BE A FINAL PUNCH LIST/CLOSEOUT ITEM. PROJECT PROPERTY CORNERS SHALL BE STAKED AND FLAGGED BY THE OWNERS REPRESENTATIVE.
- THE CONTRACTOR MUST MAINTAIN ACCESSIBLE DRIVES AND PUBLIC ROADWAYS. ANY ADDITIONAL STONE, GRADING, INSTALLATION, ETC. TO MAKE SIDEWALKS, DRIVES, AND ROADWAYS ACCESSIBLE DURING CONSTRUCTION SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE GIVEN.
- THE CONTRACTOR SHALL KEEP THE PROJECT RIGHTS-OF-WAY CLEAN FROM TRASH AND DEBRIS. PLACEMENT/DISCARDING OF TRASH AND REFUSE IN UTILITY TRENCHES AND/OR OTHER EXCAVATIONS ASSOCIATED WITH THE PROJECT SHALL BE PROHIBITED. THE CONTRACTOR SHALL PROVIDE TRASH RECEPTACLES FOR WORKER USE. THE ROADWAYS AND SIDEWALKS SHALL BE SWEEPED AND WASHED DOWN TO LIMIT THE TRACKING OF DIRT FROM THE PROJECT ONTO PUBLIC RIGHTS-OF-WAY DAILY. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE GIVEN.
- CONFLICTS MAY ARISE BETWEEN EXISTING AND PROPOSED UNDERGROUND FACILITIES. CROSSINGS OF REQUIRED AND EXISTING GRAVITY UTILITIES SHALL BE EXCAVATED AND ELEVATIONS VERIFIED AT THE BEGINNING OF THE PROJECT BEFORE ANY UTILITIES ARE INSTALLED TO MAKE SURE THERE ARE NO CONFLICTS. WHEN THESE CONFLICTS ARE IDENTIFIED, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE OWNER'S REPRESENTATIVE. ADJUSTMENTS AS SPECIFIED BY THE OWNER'S REPRESENTATIVE SHALL BE MADE IN THE PROPOSED AND/OR EXISTING FACILITIES. IF CONFLICTS OCCUR WHILE INSTALLING GRAVITY UTILITIES AND THE CONTRACTOR DID NOT IDENTIFY ELEVATIONS AT CROSSINGS IN ADVANCE, THEN THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE CORRECTIVE ACTION, INCLUDING BUT NOT LIMITED TO, REMOVING AND INSTALLING THE MAIN AND/OR STRUCTURES. WITH THE NUMEROUS EXISTING UTILITIES ON-SITE, IT IS IMPERATIVE THAT THESE BE VERIFIED BEFORE INSTALLATION OF PROPOSED WORK.
- AT THE END OF THE PROJECT THE CONTRACTOR SHALL POWER WASH ALL CONCRETE SURFACES (I.E. CURB AND GUTTERS, SIDEWALK, DRIVES, STORM SEWER BOXES, BRICK PAVERS, EXISTING BUILDING BRICK, ETC.), SPECIFICALLY EXISTING CONCRETE ABUTTING REQUIRED CONCRETE SURFACES WITHIN THE PROJECT RIGHT-OF-WAY TO ELIMINATE STAINING FROM EARTHEN MATERIAL, CONSTRUCTION EQUIPMENT, OILS, PAINTS, ETC. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE GIVEN.
- EXISTING LANDSCAPED AREAS PARALLEL TO THE PROJECT IMPACTED/DAMAGED DURING CONSTRUCTION SHALL BE RETURNED TO THEIR ORIGINAL CONDITION. THERE SHALL BE NO ADDITIONAL COMPENSATION FOR THIS WORK.
- ALL ACCESSIBLE RAMPS AND SIDEWALKS SHALL BE ADA COMPLIANT.
- ALL TEMPORARY STONE FOR ROADWAY, SIDEWALK, DRIVES, ETC. SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. NO TEMPORARY STONE SHALL BE WASTED ON THE SITE SPECIFICALLY IN THE FINAL SUBGRADE LAYER AND TOPSOIL. EXCESSIVE STONE WILL INHIBIT THE GROWTH OF THE LANDSCAPE. ALL STONE SHALL BE REMOVED FROM AREAS TO RECEIVE TOPSOIL, NO EXCEPTIONS.
- THE CONTRACTOR SHALL INSTALL TEMPORARY ASPHALT PATCHING WITHIN 24 HOURS AFTER THE COMPLETED INSTALLATION OF UTILITY CROSSINGS ON ROADWAYS OPEN TO TRAFFIC. IF THE ROADWAY IS CLOSED TO LOCAL TRAFFIC THEN ALL ASPHALT CUT LOCATIONS SHALL BE PATCHED BEFORE THE ROADWAY IS REOPENED. THE CONTRACTOR SHALL NOT BE ALLOWED TO INSTALL ALL UTILITIES AND THEN TEMPORARY ASPHALT PATCH ALL AT ONE TIME. TEMPORARY ASPHALT PATCHING MUST OCCUR PERIODICALLY PHASED AS REFERENCED ABOVE.
- WHEN TEMPORARY ASPHALT PATCHING OCCURS THE MIX SHALL BE HOT MIXED AS SPECIFIED IN THE PLANS. ASPHALT COLD MIXES SHALL NOT BE ACCEPTED. POORLY PATCHED CROSSINGS DISPLAYING NONUNIFORM, UNSMOOTH FINISHES SHALL NOT BE ACCEPTED AND SHALL BE REMOVED AT ONCE. THE REPAIR OF THE AREA SHALL BE PAID FOR AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL NOTE EXISTING STORM DRAIN AND STORM DRAIN STRUCTURES TO BE RETAINED AS PART OF THIS PROJECT. THIS EXISTING INFRASTRUCTURE SHALL BE USED TO DRAIN THE PROJECT DURING PHASES OF CONSTRUCTION. PROPER EROSION CONTROL METHODS SHALL BE USED TO PROTECT THIS INFRASTRUCTURE AT ALL TIMES.
- THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE SUMTER COUNTY SCHOOL SYSTEM, SUMTER CENTRAL HIGH SCHOOL, PRIVATE UTILITY COMPANIES, AND ANY OTHER OWNER OR GOVERNING AGENCY WITH EXISTING INFRASTRUCTURE OR JURISDICTION IN THIS AREA.

DEMOLITION NOTES:

- THE PROJECT DEMOLITION, CLEARING AND GRUBBING GENERAL AREAS HAVE BEEN REFLECTED ON THE DEMOLITION PLAN. THE AREA IS GENERAL IN NATURE AND IS INTENDED TO GIVE THE CONTRACTOR AN APPROXIMATE AREA OF DEMOLITION. REGARDLESS OF THE AREA SHOWN, THE CONTRACTOR SHALL DODGIE, CLEAN AND GRUB ALL AREAS AND EXISTING INFRASTRUCTURE (ABOVE AND BELOW GROUND) NECESSARY TO COMPLETE ALL FINAL IMPROVEMENTS AS SHOWN ON THE CIVIL, ARCHITECTURAL, LANDSCAPE/IRRIGATION, ETC. CONSTRUCTION PLANS.
- ALL AREAS DISTURBED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO ACTUAL IMPROVED AREAS, LAYDOWN AREAS, AREAS DISTURBED BY MOVING EQUIPMENT SHALL BE IMPROVED PER THE REQUIREMENTS OF THE PLANS, NO EXCEPTIONS.
- ANY PERMANENT AND/OR CONSTRUCTION FENCING (EXISTING OR REQUIRED PER THE PLANS) REQUIRED TO BE REMOVED/RESET FOR INSTALLATION OF SITE, UTILITY, BUILDING, ETC. IMPROVEMENTS SHALL BE DONE SO AT NO ADDITIONAL COST TO THE PROJECT AND IS CONSIDERED INCIDENTAL. THE PLANS HAVE BEEN NOTED WITH GENERAL AREAS THIS IS TO OCCUR IN. THE REMOVAL AND/OR REPLACEMENT LIMITS WILL BE DETERMINED IN THE FIELD.

GRADING NOTES:

- ALL DISTURBED AREAS SHALL HAVE A MINIMUM OF 4" TOPSOIL APPLIED, BE GRASSED AND MULCHED, AND/OR SODDED AS SOON AS FINAL GRADING IS COMPLETE. REFER TO EROSION CONTROL NOTES FOR TEMPORARY GRASSING AND MULCHING DURING GRADING OPERATIONS.
- ALL ENGINEERED FILL MATERIALS SHALL BE REVIEWED AND APPROVED BY THE OWNER'S REPRESENTATIVE WELL IN ADVANCE OF FILL OPERATIONS. THE CONTRACTOR SHALL IDENTIFY ALL BORROW SOURCES FOR PD SAMPLES TO BE TAKEN AND EVALUATED. ALL EMBANKMENT FILL AND BORROW EXCAVATION MATERIALS SHALL BE COMPACTED IN LOOSE 8" LIFTS AS PER THE OWNER'S REPRESENTATIVE REQUIREMENTS. SEE THE GEOTECHNICAL REPORT FOR THIS INFORMATION.
- THE CONTRACTOR SHALL CLEAR AND GRUB AS NECESSARY WHERE GRADING OPERATIONS ARE TO BE PERFORMED AS SHOWN. THE MAJORITY OF THE PROJECT WILL REQUIRE CLEARING AND REMOVAL OF EXISTING SIDEWALK, DRIVES, CURB AND GUTTER, CURBING, TREE STUMP REMOVAL, TOPSOIL, GRADING, ETC. AS SHOWN THROUGHOUT THE PROJECT CONSTRUCTION PLANS AND CONTRACT DOCUMENTS.
- ALL EXISTING WATER VALVES, UTILITY VAULT TOPS, METER BOXES, ROADWAY SIGNS, INFORMATIONAL SIGNS, ETC. NOTED ON THE DEMOLITION PLAN SHALL BE REMOVED, STOCKPILED IN A SECURE LOCATION, AND/OR RESET AS PER THE CONTRACT DOCUMENTS.
- BEFORE FINAL GRADING THE CONTRACTOR SHALL MAKE SURE UTILITIES INCLUDING STORM DRAIN, SANITARY, WATER DISTRIBUTION AND FIRE PROTECTION, ELECTRICAL, VIDEO, IRRIGATION, ETC. IMPROVEMENTS HAVE BEEN INSTALLED.
- THE CONTRACTOR SHALL NOTE CHANGE IN GRADES AND REQUIRED RAMPS WHEN LAYING OUT SCORING AND HANDICAP RAMPS. ALL ADA ACCESSIBLE RAMP GRADIES AND SIDEWALK CROSS SLOPE SHALL MEET ADA REQUIREMENTS.
- GRADING OPERATIONS SHALL INCLUDE TOPSOIL STRIPPING AND REMOVAL THROUGHOUT THE PROJECT SITE. UNCLASSIFIED EXCAVATION, AND BORROW EXCAVATION, ROCK REMOVAL, ETC. TO BRING THE SITE TO FINISHED SUBGRADE (ONLY LEAVING PAVEMENTS AND TOPSOIL TO REACH FINAL FINISHED GRADE) AS SHOWN ON THE CONSTRUCTION PLANS. NO EXTRA PAYMENT WILL BE MADE FOR EXCESS MATERIAL BROUGHT ON-SITE. MATERIAL REQUIRED TO BE MOVED MULTIPLE TIMES BECAUSE OF CONSTRUCTION PHASING, OR EXCESS MATERIAL TO BE REMOVED FROM THE SITE UPON GRADING COMPLETION.
- THERE SHALL BE NO DEBRIS (ROOTS, ROCKS, ETC.) IN THE TOPSOIL LARGER THAN 1/2" IN DIAMETER. THERE ALSO SHALL BE NO WASTED TEMPORARY GRAVEL, CONCRETE, OR ANY OTHER BUILDING MATERIALS FOUND IN THE TOPSOIL. ANY FOUND DEBRIS SHALL BE REMOVED IMMEDIATELY.
- ALL EMBANKMENT FILL AND BORROW EXCAVATION MATERIALS SHALL BE PLACED IN MAXIMUM LOOSE 8" LIFTS TO 98% OF THE STANDARD PROCTOR MAXIMUM (ASTM D 698) DRY DENSITY, AS DIRECTED BY THE GEOTECHNICAL REPRESENTATIVE. THE GEOTECHNICAL REPORT COMPACTION REQUIREMENTS SHALL BE THE REQUIREMENT FOR THE PROJECT.

STORM DRAIN NOTES:

- STORM DRAIN STRUCTURE RINGS AND COVERS AND STEPS SHALL BE INSTALLED ON THE STRUCTURE WALL FREE OF PIPING AND/OR INLET THROAT OR AS DIRECTED BY THE OWNERS REPRESENTATIVE.
- STORM DRAIN STRUCTURES MEASURING FOUR (4) FEET OR GREATER IN DEPTH FROM THE FINISHED TOP OF THE STORM STRUCTURE TO THE INVERT OUT ELEVATION SHALL HAVE STEPS INSTALLED.
- ALL REQUIRED STORM SEWER STRUCTURE RINGS AND COVER TOPS SHALL MATCH TOP OF CURB, ROADWAY AND/OR VEGETATED FINISHED GRADE ELEVATIONS UNLESS NOTED OTHERWISE ON THE CONSTRUCTION PLANS. ANY ADJUSTMENTS TO LEVEL RING AND COVER TOP ELEVATIONS WITH FINAL ASPHALT, SODDING, ETC. SHALL BE CONSIDERED A SUBSIDIARY OBLIGATION OF THE STORM DRAIN STRUCTURE INSTALLATION.
- THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN STORMWATER FLOW IN EXISTING AND PROPOSED STORM SEWERS WITHIN THE PROJECT LIMITS AND IF AFFECTED BY CONSTRUCTION ACTIVITIES, OUTSIDE THE PROJECT LIMITS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ANY AND ALL MATERIAL AND LABOR REQUIRED FOR TEMPORARY STORM SEWERS AND/OR PUMPS THAT MAY BE REQUIRED FOR BYPASSING. THE OWNER OR ITS REPRESENTATIVES SHALL NOT ACCEPT ANY RESPONSIBILITY FOR THE ADEQUACY OR ACCURACY, OR ACCEPT ANY RESPONSIBILITY FROM CLAIMS OR DAMAGES RESULTING FROM THE FAILURE OF THE CONTRACTOR'S TEMPORARY STORM SEWER BYPASS FACILITIES.
- ALL STORM DRAIN STRUCTURES ARE REQUIRED TO HAVE REBAR REINFORCEMENT IN THE WALLS, BOTTOM, AND TOP. ALTHOUGH THE TOPS VARY FOR AN S-INLET, GRATE INLET, AND JUNCTION BOX, THE BOX ITSELF IS THE SAME AND REBAR REINFORCEMENT SHALL BE PLACED PER THE STANDARD DETAIL AND NOTES.
- CONICAL MANHOLE SECTIONS AND MANHOLE RIMS AND COVERS SHALL BE ORIENTED AS PER THE PLANS AND AS DIRECTED BY THE OWNER'S REPRESENTATIVE TO ENSURE THE BEST ACCESS INTO THE MANHOLE. FAILURE TO DO SO WILL REQUIRE CORRECTLY SHALL RESULT IN REORIENTATION AT THE CONTRACTOR'S EXPENSE.
- WHEN TING TO EXISTING UTILITY PIPING WITH STORM DRAIN, THE CONTRACTOR SHALL USE EXTREME CARE ONLY EXCAVATING AND REMOVING THE NECESSARY AMOUNT OF PIPING TO INSTALL THE REQUIRED STRUCTURE. DAMAGE TO THE EXISTING UTILITY PIPING DUE TO OVEREXCAVATION OR POOR EXCAVATION WORK SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE/REPLACE AT HIS COST.
- CONTRACTOR SHALL MAKE SURE THAT THERE IS FLEXIBILITY IN EACH STORM STRUCTURE CONICAL SECTION AND RING AND COVER TO ENSURE FINAL RING ELEVATION MATCHES FINAL PAVEMENT ELEVATION. FAILURE TO DO SO WILL REQUIRE REMOVAL OF AS MUCH STRUCTURE AS NECESSARY TO ALLOW TOP RING AND COVER TO MATCH PAVEMENT.
- THE CONTRACTOR MAY USE PRECAST CONCRETE STORM STRUCTURES FOR THE STANDARD/SPECIAL STRUCTURES REQUIRED ON THE CONSTRUCTION PLANS.
- THE CONTRACTOR SHALL NOTE EXISTING STORM DRAIN AND STORM DRAIN STRUCTURES TO BE RETAINED AS PART OF THIS PROJECT. THIS EXISTING INFRASTRUCTURE SHALL BE USED TO DRAIN THE PROJECT DURING PHASES OF CONSTRUCTION. PROPER EROSION CONTROL METHODS SHALL BE USED TO PROTECT THIS INFRASTRUCTURE.
- THE CONTRACTOR SHALL BACKFILL THE SPACE (WHEN BETWEEN 6 INCHES AND 2 FEET) BETWEEN STORM DRAIN AND SANITARY SEWER MAINS WHEN CROSSING WITH NO. 57 STONE MECHANICALLY CONSOLIDATED IN-PLACE TO PREVENT ANY SETTLEMENT AT THE CROSSING. THIS STONE SHALL EXTEND THE WIDTH OF THE UTILITY TRENCH TO APPROXIMATELY FOUR (4) FEET TO EITHER SIDE OF THE CROSSING.
- THE CONTRACTOR SHALL GROUT AS NECESSARY ALL LIFTING HOLES IN STORM DRAIN PIPING SECTIONS BEFORE BACKFILL. THIS SHALL BE REQUIRED REGARDLESS IF PREFABRICATED LIFTING ELIGES ARE USED OR NOT. THE COMBINATION OF THE TWO (2) IS RECOMMENDED TO ENSURE THAT THE LIFTING HOLES DO NOT REMAIN OPEN ALLOWING EARTHEN MATERIAL TO ENTER THE DRAIN POSSIBLY CAUSING A SINK HOLE AT THE SURFACE.

SANITARY SEWER NOTES:

- THE CONTRACTOR SHALL REFERENCE THE PLUMBING PLANS FOR ANY SEWER PLUMBING BENEATH THE PROPOSED BUILDING FOOTPRINT.
- THE CONTRACTOR SHALL VERIFY CONNECTIONS FOR FLOW LINE ELEVATIONS OF EXISTING SANITARY SEWER PIPING AND MANHOLE INVERTS BEFORE INSTALLING ANY REQUIRED SANITARY SEWER STRUCTURES AND PIPING.
- SANITARY STRUCTURE RINGS AND COVERS AND STEPS SHALL BE INSTALLED ON THE STRUCTURE WALL FREE OF PIPING OR AS DIRECTED BY THE OWNERS REPRESENTATIVE.
- SANITARY STRUCTURES MEASURING FOUR (4) FEET OR GREATER IN DEPTH FROM THE FINISHED TOP OF THE SANITARY STRUCTURE TO THE INVERT OUT ELEVATION SHALL HAVE STEPS INSTALLED.
- ALL REQUIRED SANITARY STRUCTURE TOPS WITHIN A PAVED AREA SHALL MATCH ASPHALT FINISHED GRADES. TOPS INSTALLED TOO HIGH SHALL BE RESET AT NO ADDITIONAL COST TO THE PROJECT.
- ANY EXISTING SANITARY STRUCTURES RETAINED AS PART OF THIS PROJECT SHALL BE THOROUGHLY CLEANED, WALLS WIPED WITH GROUT TO MAKE WATER TIGHT, INVERTS FORMED IF NECESSARY, EXISTING PIPING/DRAINS REGROUTING, ETC.
- CONICAL MANHOLE SECTIONS AND MANHOLE RINGS AND COVERS SHALL BE ORIENTED AS PER THE PLANS AND AS DIRECTED BY THE OWNER'S REPRESENTATIVE TO ENSURE THE BEST ACCESS INTO THE MANHOLE. FAILURE TO ORIENT CORRECTLY SHALL RESULT IN REORIENTATION AT THE CONTRACTOR'S EXPENSE.
- WHEN TING TO EXISTING UTILITY PIPING WITH SANITARY SEWER STRUCTURES, THE CONTRACTOR SHALL USE EXTREME CARE ONLY EXCAVATING AND REMOVING THE NECESSARY AMOUNT OF PIPING TO INSTALL THE REQUIRED STRUCTURE. DAMAGE TO THE EXISTING UTILITY PIPING DUE TO OVEREXCAVATION OR POOR EXCAVATION WORK SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE/REPLACE AT HIS COST.
- THE CONTRACTOR SHALL MAKE SURE THAT THERE IS FLEXIBILITY IN EACH SANITARY SEWER CONICAL SECTION AND RING AND COVER TO ENSURE FINAL RING ELEVATION MATCHES FINAL PAVEMENT ELEVATION. FAILURE TO DO SO WILL REQUIRE REMOVAL OF AS MUCH STRUCTURE AS NECESSARY TO ALLOW TOP RING AND COVER TO MATCH PAVEMENT.
- THE CONTRACTOR SHALL KEEP ALL LIVE SANITARY MAINS AND LATERALS FLOWING CONTINUOUSLY BY WHATEVER MEANS NECESSARY INCLUDING BYPASS PUMPING, TIE-INS AT NIGHT, OR ON WEEKENDS, ETC.
- ALL MANHOLE AND MAIN INSTALLATIONS SHALL BE TESTED PER THE LOCAL SEWER AUTHORITY'S REQUIREMENTS. TESTING IS CONSIDERED INCIDENTAL TO THE PROJECT.

GENERAL UTILITY NOTES:

- THE CONTRACTOR SHALL BE PREPARED TO CAMERA ANY DISCOVERED UTILITY MAIN FOUND DURING CONSTRUCTION NOT SHOWN ON THE PLANS TO VERIFY IF THE MAIN SHOULD BE TIED TO THE PROPOSED SYSTEMS OR BE ABANDONED AND/OR REMOVED.
- ALL STORM DRAIN AND SANITARY SEWER SYSTEM STRUCTURES AND PIPING SHALL REMAIN ACTIVE UNTIL PROPOSED PROJECT UTILITIES ARE INSTALLED AND CAN COME INTO SERVICE. THIS APPLIES TO AREA INLETS IN YARDS AND/OR ROOF DRAINS. ANY WATER OR SEWER DAMAGE TO PRIVATE PROPERTY DUE TO FAILURE OF THE CONTRACTOR TO COORDINATE REMOVAL OF EXISTING UTILITIES AND TIE-INS TO REQUIRED UTILITIES SHALL BE PAID FOR BY THE CONTRACTOR INCLUDING ALL CLEANUP AND ADDITIONAL WORK REQUIRED TO CORRECT THE DAMAGE.
- THE CONTRACTOR SHALL REMOVE/RESET/RAISE ALL PRIVATE UTILITY COMPANY BOXES, MANHOLE RING AND COVER, ETC. IF THESE ITEMS ARE BEING RETAINED. ANY ITEMS DAMAGED DURING THIS WORK SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

PAVING, SIGNING AND STRIPING NOTES:

- THE CONTRACTOR SHALL SAW-CUT ALL EXISTING PAVEMENTS TO BE REMOVED WITH A STRAIGHT, CLEAN REMOVAL JOINT TO ENSURE PROPOSED PAVEMENTS JOIN TO EXISTING CLEANLY.
- ALL COMBINATION CURB AND GUTTER SHALL BE ONE AND A HALF (1.5) FEET IN WIDTH UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION PLANS. EXISTING CURB AND GUTTER MAY VARY IN WIDTH AND PROPOSED CURB AND GUTTER SHALL BE TAPERED TO JOIN TO IT OVER A MINIMUM DISTANCE OF FIVE (5) FEET TO ENSURE A SMOOTH TRANSITION.
- ALL TEMPORARY AND/OR PERMANENT STRIPING, MARKINGS, ETC. SHALL BE OF COLOR AND TYPE SHOWN AND SHALL CONFORM TO THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND ALABAMA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.
- ALL PERMANENT SIGNS AND POSTS SHALL BE PER THE MUTCD.
- ALL TEMPORARY CONSTRUCTION SIGNS SHALL MEET THE REQUIREMENTS SET FORTH IN THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. ALL TEMPORARY CONSTRUCTION SIGN POSTS SHALL BE #3 "U" CHANNEL POSTS, ALDOT 710B.
- ALL TRAFFIC STRIPES SHALL BE 4" WIDE UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS ARE TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL NOTE THE DIFFERENT PAVEMENT TYPICAL SECTIONS FOR THE PROJECT.
- CONCRETE CONTROL JOINTS SHALL BE MEASURED FOR DEPTH. THEY MUST BE INSTALLED PROPERLY FOR CONTROL CRACKING OF THE CONCRETE PAVEMENT. IMPROPERLY INSTALLED CONCRETE SHALL BE REMOVED/REPLACED AT THE CONTRACTOR'S EXPENSE.
- ALL TEMPORARY STRIPING DURING CONSTRUCTION SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. TEMPORARY STRIPING SHALL BE REQUIRED TO CLEARLY DELINEATE WHERE TRAFFIC BOTH PEDESTRIAN AND MOTOR VEHICLE KNOW HOW TO NAVIGATE THE WORK AREA. DURING PAVEMENT CURING TEMPORARY STRIPING SHALL BE APPLIED FOR TRAFFIC CONTROL.
- THE FINAL PAVEMENT FINISH IS VERY IMPORTANT FOR THE PROJECT AND THE OWNER. THE CONTRACTOR SHALL MAKE ALL PAVEMENT ARE FINISHED OUT SMOOTHLY AND CLEANLY. IRREGULARITIES, "BIRD BATHS", RANDOM CRACKING, ETC. SHALL BE REMOVED/REPLACED AT THE CONTRACTOR'S EXPENSE.

EROSION CONTROL NOTES:

- REGARDLESS IF AN NPDES PERMIT IS REQUIRED OR NOT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR USING BEST MANAGEMENT PRACTICES (BMP'S) FOR EROSION AND SEDIMENT CONTROL THROUGHOUT CONSTRUCTION. AN EROSION CONTROL PLAN IS PROVIDED AS A MINIMUM GUIDE FOR PROVIDING STRUCTURAL BMP'S, PHASING, TEMPORARY GRASSING, AND OTHER METHODS AS PROVIDED IN THE ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL, AND STORM WATER MANAGEMENT. SHALL BE UTILIZED TO MINIMIZE EROSION. NO EXTRA COMPENSATION SHALL BE GIVEN TO THE CONTRACTOR FOR MAINTAINING EROSION CONTROL ITEMS OR ADDITIONAL EROSION CONTROL ITEMS REQUIRED TO COMPLY WITH THE NPDES PERMIT.
- THE DESIGN OF THE BMP'S, IF REQUIRED, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR'S OCP. IN THE EVENT THAT SEDIMENT BASINS ARE REQUIRED BY THE DESIGN, NO ADDITIONAL COMPENSATION SHALL BE GIVEN TO THE CONTRACTOR FOR STOCKPILING MATERIAL TO LATER FILL THE BASINS, ADDITIONAL GRADING TO FILL THE BASINS, TEMPORARY PIPING, RESEEDING AND REMULCHING, RESTORING PERMANENT DRAINAGE STRUCTURES AND GRADIES TO THEIR PERMANENT REQUIREMENTS, OR ANY OTHER ITEMS OF WORK THAT ARE REQUIRED BY THE PHASING OF CONSTRUCTION OR THE BMP'S.
- ANY FINES INCURRED DUE TO FAILURE TO MAINTAIN EROSION CONTROL MEASURES SHALL BE PAID FOR BY THE CONTRACTOR. ANY ADDITIONAL WORK AND MATERIALS REQUIRED TO COMPLY WITH ANY VIOLATIONS SHALL BE AT THE CONTRACTOR'S EXPENSE.
- ALL TEMPORARY RIPRAP USED FOR EROSION CONTROL PURPOSES SHALL BE INCLUDED IN THE PRICE OF EROSION CONTROL. TEMPORARY RIPRAP BEAMS SHALL BE SPREAD OUT IN AREAS WHERE PERMANENT RIPRAP IS REQUIRED AND SHALL BE SPREAD IN A MANNER TO NOT IMPEDE FLOW OF STORM DRAINS AFTER THE SITE IMPROVEMENTS ARE COMPLETE AND THE PROJECT IS STABILIZED. THERE SHALL BE NO ADDITIONAL COMPENSATION FOR TEMPORARY RIPRAP OR SPREADING IT UPON COMPLETION OF THE SITE IMPROVEMENTS. TEMPORARY RIPRAP THAT IS SPREAD FOR USE AS PERMANENT RIPRAP SHALL BE PLACED ON THE STONE BEDDING AND FILTER FABRIC AS SHOWN IN THE DETAILS. COSTS FOR STONE AND FILTER FABRIC PLACED UNDERNEATH ALL TEMPORARY RIPRAP THAT IS SPREAD IN PERMANENT LOCATIONS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR EROSION CONTROL MANAGEMENT AND MAINTENANCE. IF THERE ARE NO LIMIT PRICES, THE COST SHALL BE INCIDENTAL TO THE PROJECT.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN AND KEEP CLEAN ALL EROSION & SEDIMENT CONTROL STRUCTURES UNTIL THE NPDES PERMIT IS ACCEPTED AS COMPLETE BY THE OCP & ADEM, AND IS TERMINATED BY THE CONTRACTOR.
- SILT FENCES SHALL HAVE SEDIMENT DEPOSITS REMOVED IF THEY REACH A DEPTH OF FIFTEEN INCHES (15") OR 1/2 THE HEIGHT OF THE FENCE. SEDIMENT REMOVAL SHALL BE DONE ON A DAILY BASIS, NO EXCEPTIONS.
- THE PROJECT AREA SHALL REMAIN CLEAN AT ALL TIMES. THE CONTRACTOR SHALL USE WHATEVER MEANS NECESSARY TO KEEP THE PROJECT AREA CLEAN, INCLUDING MOTORIZED STREET SWEEPERS, WATER AND VACUUM TRUCKS, HAND SWEEPING AND SHOVELING, ETC. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ADDRESS THIS ISSUE EACH DAY INCLUDING WEEKENDS AND SPECIFICALLY PRE AND POST RAIN EVENTS.
- THE CONTRACTOR SHALL IDENTIFY WORK AREA ENTRANCE/EXIT LOCATIONS FOR EQUIPMENT AND INSTALL TEMPORARY GRAVEL DRIVES TO REDUCE TRACKING ONTO PUBLIC RIGHT OF WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL STREETS CLEAN OF ANY SEDIMENT AND MAINTENANCE. THIS SHALL BE DONE ON A DAILY BASIS, NO EXCEPTIONS.
- ALL DISTURBED AREAS, INCLUDING THE EARTHEN STOCKPILES, SHALL BE MULCHED UPON COMPLETION OF GRADING OPERATIONS. ADEM REGULATIONS REQUIRE ALL DISTURBED AREAS NOT UNDERGOING ACTIVE DISTURBANCE OR ACTIVE CONSTRUCTION FOR LONGER THAN THIRTEEN (13) DAYS TO BE PROVIDED WITH TEMPORARY GRAVE COVER.
- THE CONTRACTOR SHALL REMOVE FROM THE SILT FENCE SHALL BE PLACED ONSITE AND STABILIZED.
- WATLES FOR SEDIMENT CONTROL SHALL HAVE A MINIMUM DIAMETER OF 12".
- THE CONTRACTOR SHALL INSTALL STONE AND/OR STABILIZE ENTRANCE/EXIT, SIDEWALKS, ROADWAY/DRIVES, ETC. AS NECESSARY. ALL STONES FOR CONSTRUCTION ENTRANCE/EXIT, SIDEWALKS, ROADWAY/DRIVES, ETC. ARE CONSIDERED INCIDENTAL REGARDLESS THE NUMBER OF TIMES FRESH STONE IS REQUIRED FOR EROSION CONTROL MEASURES. AT THE END OF THE PROJECT, ALL STONE SHALL BE REMOVED AND NOT WASTED ON THE PROJECT SITE.
- WHEN INSTALLING SILT FENCE OR OTHER BMP'S, THE CONTRACTOR SHALL USE THE LOCATIONS PROVIDED ON THE DRAWINGS OR THE BMP'S. WASTEFUL AND/OR POORLY PLANNED INSTALLATIONS SHALL NOT RECEIVE ADDITIONAL PAY FOR REINSTALLATION AFTER MOVING TO ANOTHER PHASE OF THE WORK.
- ADEM CLOSELY MONITORS DEVELOPMENTS FOR EROSION & SEDIMENT CONTROL VIOLATIONS. VIOLATIONS CAN LEAD TO THEM ISSUING A STOP WORK ORDER. THE PROJECT SHALL FALL UNDER THE SAME GUIDELINES. ANY FINES AND LEGAL FEES ASSOCIATED WITH THE CONTRACTOR'S FAILURE TO PROPERLY INSTALL AND MAINTAIN EROSION CONTROL MEASURES SHALL BE PAID FOR BY THE CONTRACTOR INCLUDING ANY ADDITIONAL REQUIREMENTS PLACED ON THE PROJECT BY THE FINING AGENCY. THERE SHALL BE NO CLAIMS CONSIDERED OF LOST CONTRACT TIME, MONEY, ETC. DURING THE STOP WORK PERIOD. THIS IS A SITUATION TOTALLY IN THE CONTROL OF THE CONTRACTOR AND HE WILL MEET HIS RESPONSIBILITIES TO MAINTAIN A STABILIZED CONSTRUCTION SITE.
- ALL INLETS/STRUCTURES SHALL BE COVERED BY DOME INLET PROTECTORS DURING CONSTRUCTION UNLESS OTHERWISE NOTED TO AVOID SEDIMENT ENTRY. THESE UNITS SHALL BE KEPT CLEAN DURING CONSTRUCTION. IF THE INLET/STRUCTURE IS TOO LARGE, THEN SEDIMENT LOGS OR SILT FENCE SHALL BE USED TO PROTECT THE INLET.
- ALL MEANS NECESSARY SHALL BE USED TO ESTABLISH TEMPORARY EROSION CONTROL INCLUDING EROSION CONTROL NETTING, SODDING, REPEATED SEEDING AND MULCHING, ETC.
- A BEST MANAGEMENT PLAN SHALL AT A MINIMUM RETURN ALL EXPOSED OR DISTURBED AREAS TO ORIGINAL OR BETTER CONDITION WITH AT LEAST A GOOD STAND OF GRASS AND/OR SOD. EROSION CONTROL MEASURES INCLUDING CONSTRUCTION EXIT PADS, SHOWN HEREIN TO PREVENT EROSION AND SEDIMENT RUNOFF ARE A MINIMUM AND SHALL NOT BE INTERPRETTED AS BEING ALL THAT IS REQUIRED FOR THE PROJECT. CONTRACTOR SHALL BE MINDFUL DURING ALL PHASES OF CONSTRUCTION AND INSTALL AND UTILIZE ANY AND ALL ADDITIONAL ITEMS NECESSARY TO CONTROL ALL EROSION AND SEDIMENTATION ON THE PROJECT AT ALL TIMES AS REQUIRED BY ADEM AND THE ALABAMA HANDBOOK FOR EROSION CONTROL AND STORMWATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS, MOST RECENT EDITION.
- OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO DIRECT ADDITIONAL ITEMS OR REVISE IN-FIELD PLACEMENT OF EROSION CONTROL ITEMS AS DEEMED NECESSARY DURING ALL PHASES OF THE PROJECT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING OUT ALL SANITARY OR STORM SEWER MAINS AND MANHOLES ON A CONTINUAL BASIS IF CONSTRUCTION DEBRIS ENTERS SUCH MAINS. IN NO EVENT SHALL CONTRACTOR DISPOSE OF ANY DEBRIS OR MATERIALS IN SEWERS. CONTRACTOR SHALL IMMEDIATELY REMOVE ANY SUCH DEBRIS OR MATERIAL TO SATISFACTION OF OWNERS REPRESENTATIVE.
- CONTRACTOR SHALL BE OBSERVANT OF FORECASTED RAIN EVENTS AND PROMPTLY REPAIR, MAINTAIN, INSTALL NECESSARY EROSION CONTROL ITEMS PRIOR TO SUCH RAIN EVENTS. CONTRACTOR SHALL PROMPTLY MEDIATE CLEAN UP, REMOVE ANY EROSION OR SEDIMENTATION FROM ALL EROSION CONTROL ITEMS, STRUCTURES, TRAPS, BASINS, ETC. AND REPAIR, MAINTAIN, RE-INSTALL, SUPPLEMENT SUCH IMMEDIATELY FOLLOWING EACH RAIN EVENT OR AS DIRECTED BY OWNERS REPRESENTATIVE.
- ALL CONCRETE WASHOUT WATER SHALL BE COLLECTED IN A LEAK PROOF CONTAINER SO THAT IT DOES NOT REACH THE SOIL SURFACE AND THEN MIGRATE TO SURFACE WATERS OR INTO GROUNDWATER. ALL OF THE COLLECTED CONCRETE WASHOUT WATER AND SOLIDS SHALL BE RECYCLED.

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
 13878 US HIGHWAY 11, YORK, AL 36825
 SUMTER COUNTY BOARD OF EDUCATION



SHEET TITLE:
CIVIL NOTES

PROJ. MGR.: LBH
 DRAWN: CAH

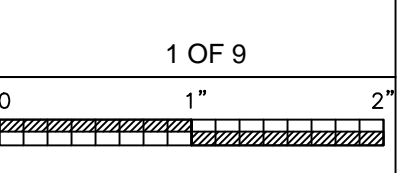
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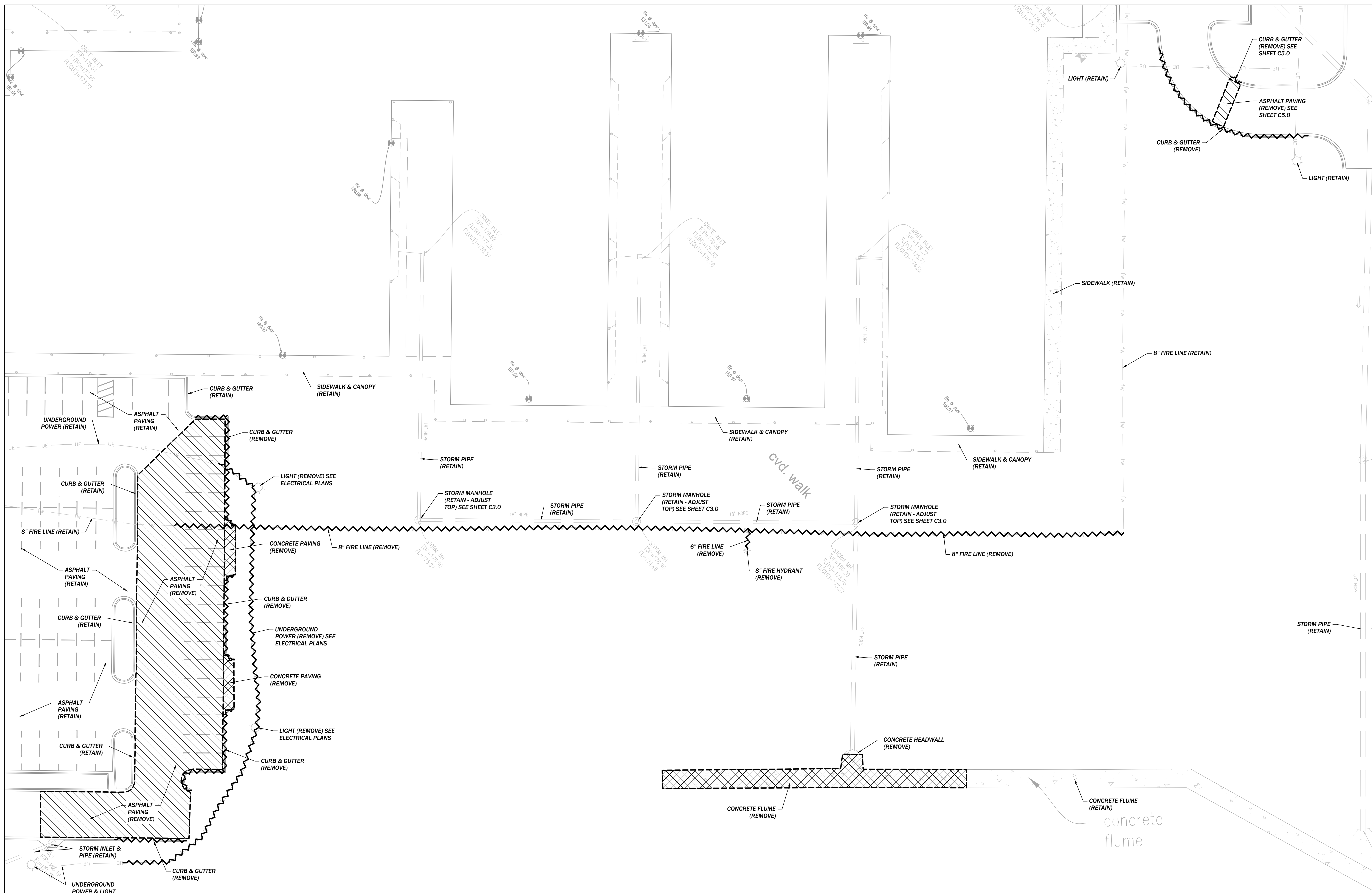
REVISIONS

JOB NO. **24-38**

SHEET NO:

C0.1

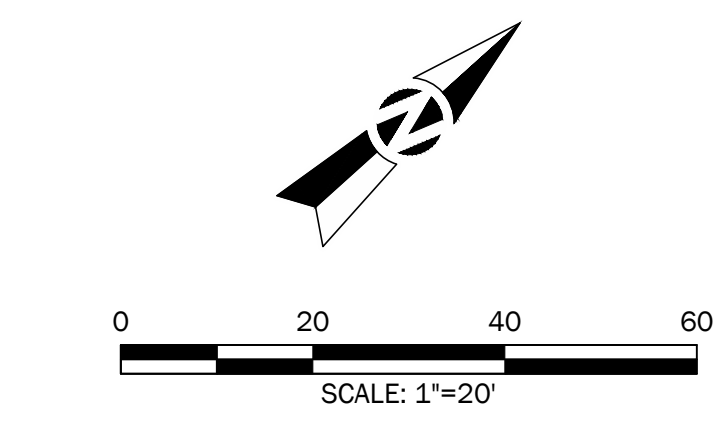




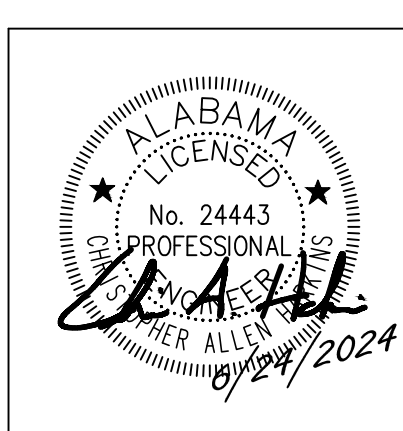
DEMOLITION LEGEND

- EXISTING CONCRETE REMOVAL
- EXISTING ASPHALT REMOVAL
- EXISTING ITEM REMOVAL

- NOTES:**
- SEE SHEET C0.1 FOR ALL APPLICABLE NOTES.



ELEMENTARY ADDITION TO
SUMNER CENTRAL HIGH SCHOOL
 13878 LIS HIGHWAY 11, YORK, AL 38925
 SUMNER COUNTY BOARD OF EDUCATION



SHEET TITLE:
 SITE DEMOLITION PLAN

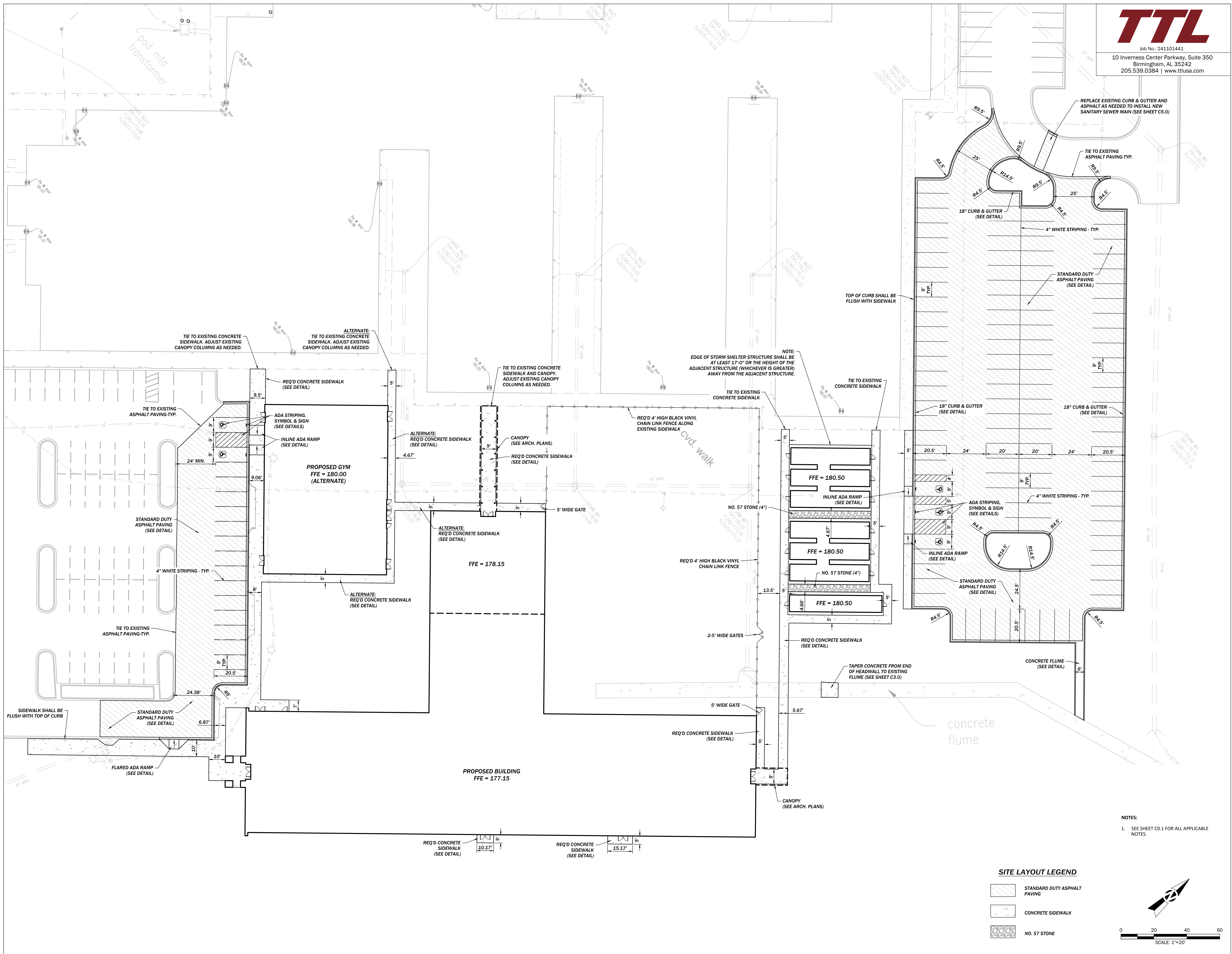
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 REVISIONS

JOB NO. **24-38**

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2 OF 9



ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
 13878 US HIGHWAY 11, YORK, AL 38925
 SUMTER COUNTY BOARD OF EDUCATION



SHEET TITLE:
 SITE LAYOUT PLAN

PROJ. MGR.: LBH
 DRAWN: CAH
 DATE: JUNE 24, 2024
 REVISIONS:

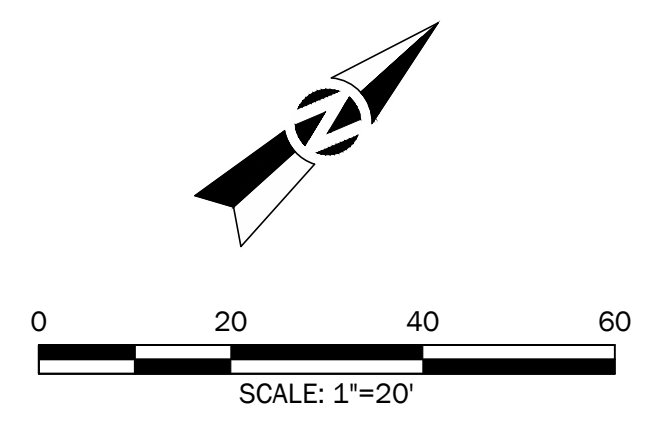
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SHEET NO. **C2.0**

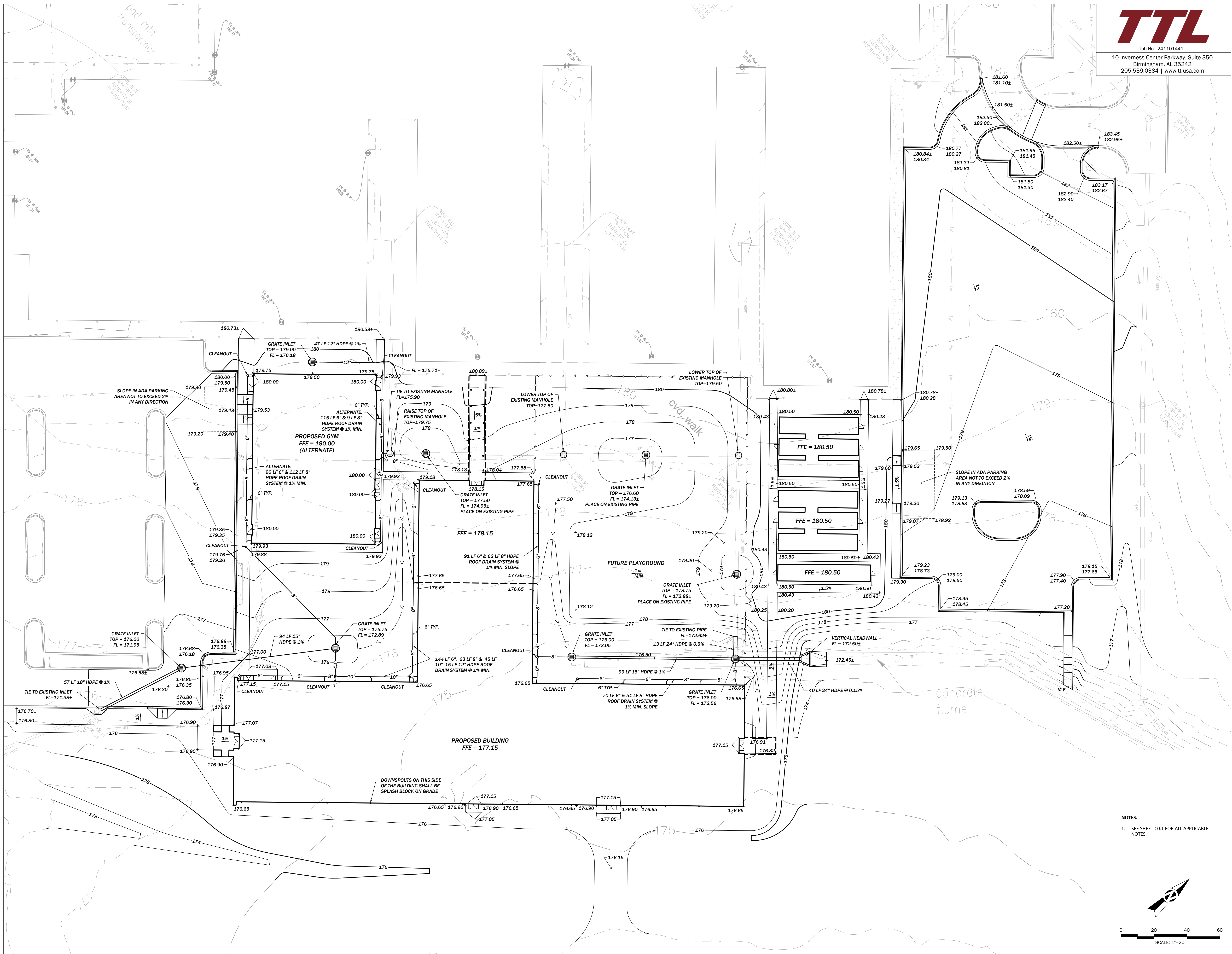
3 OF 9
 SCALE: 1"=20'

SITE LAYOUT LEGEND

- STANDARD DUTY ASPHALT PAVING
- CONCRETE SIDEWALK
- NO. 57 STONE



NOTES:
 1. SEE SHEET C0.1 FOR ALL APPLICABLE NOTES.



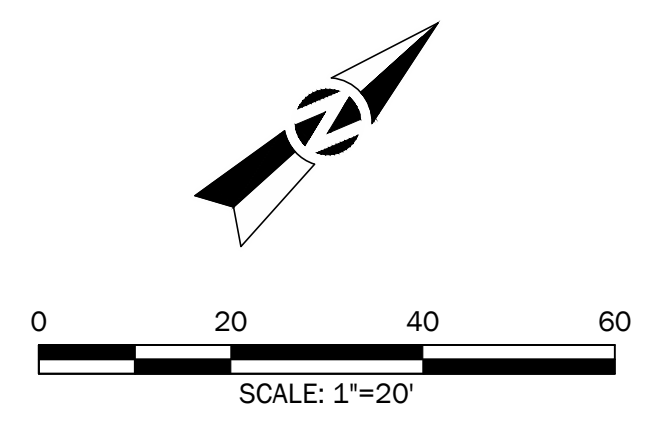
ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
 13878 US HIGHWAY 11, YORK, AL 38925
 SUMTER COUNTY BOARD OF EDUCATION



SHEET TITLE:
 GRADING & DRAINAGE
 PLAN

PROJ. MGR.: LBH
 DRAWN: CAH
 DATE: JUNE 24, 2024
 REVISIONS:

NOTES:
 1. SEE SHEET C0.1 FOR ALL APPLICABLE NOTES.

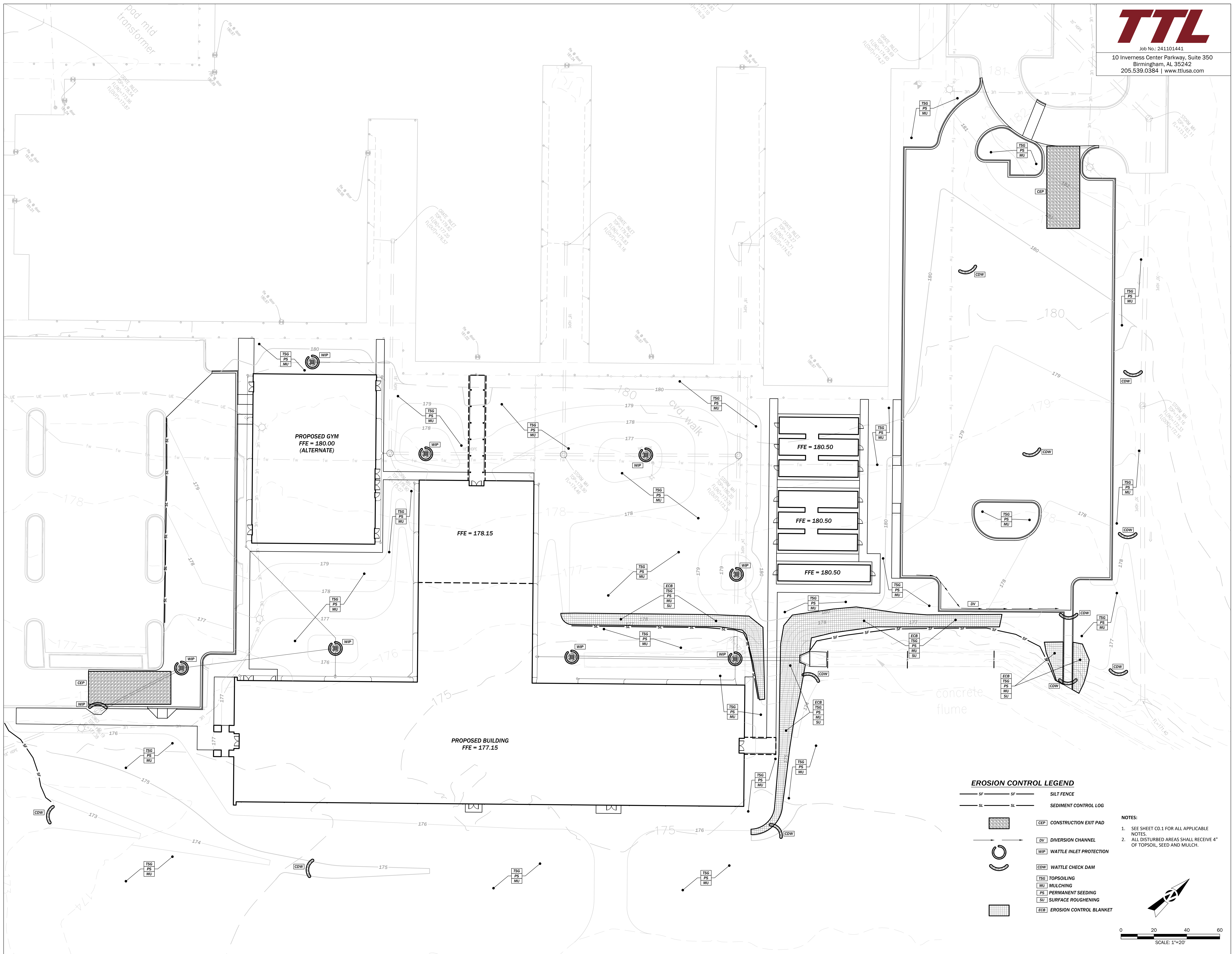


JOB NO. **24-38**

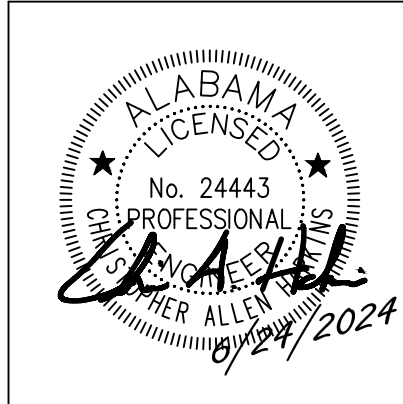
SHEET NO.:

C3.0

4 OF 9



ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
 13878 US HIGHWAY 11, YORK, AL 38925
 SUMTER COUNTY BOARD OF EDUCATION



SHEET TITLE:
 EROSION CONTROL
 PLAN

PROJ. MGR.: LBH
 DRAWN: CAH
 DATE: JUNE 24, 2024
 REVISIONS

JOB NO. **24-38**

SHEET NO:

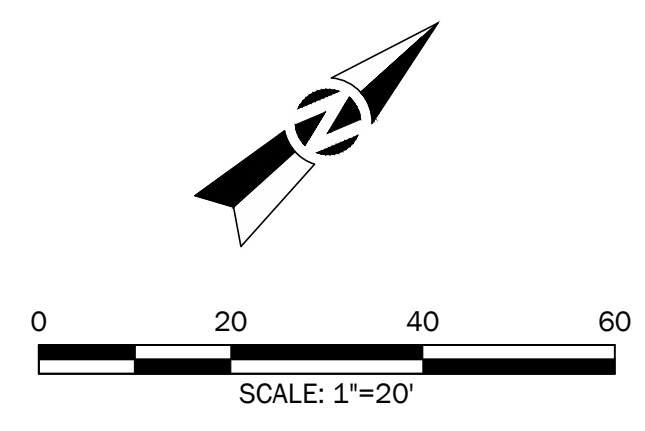
C4.0

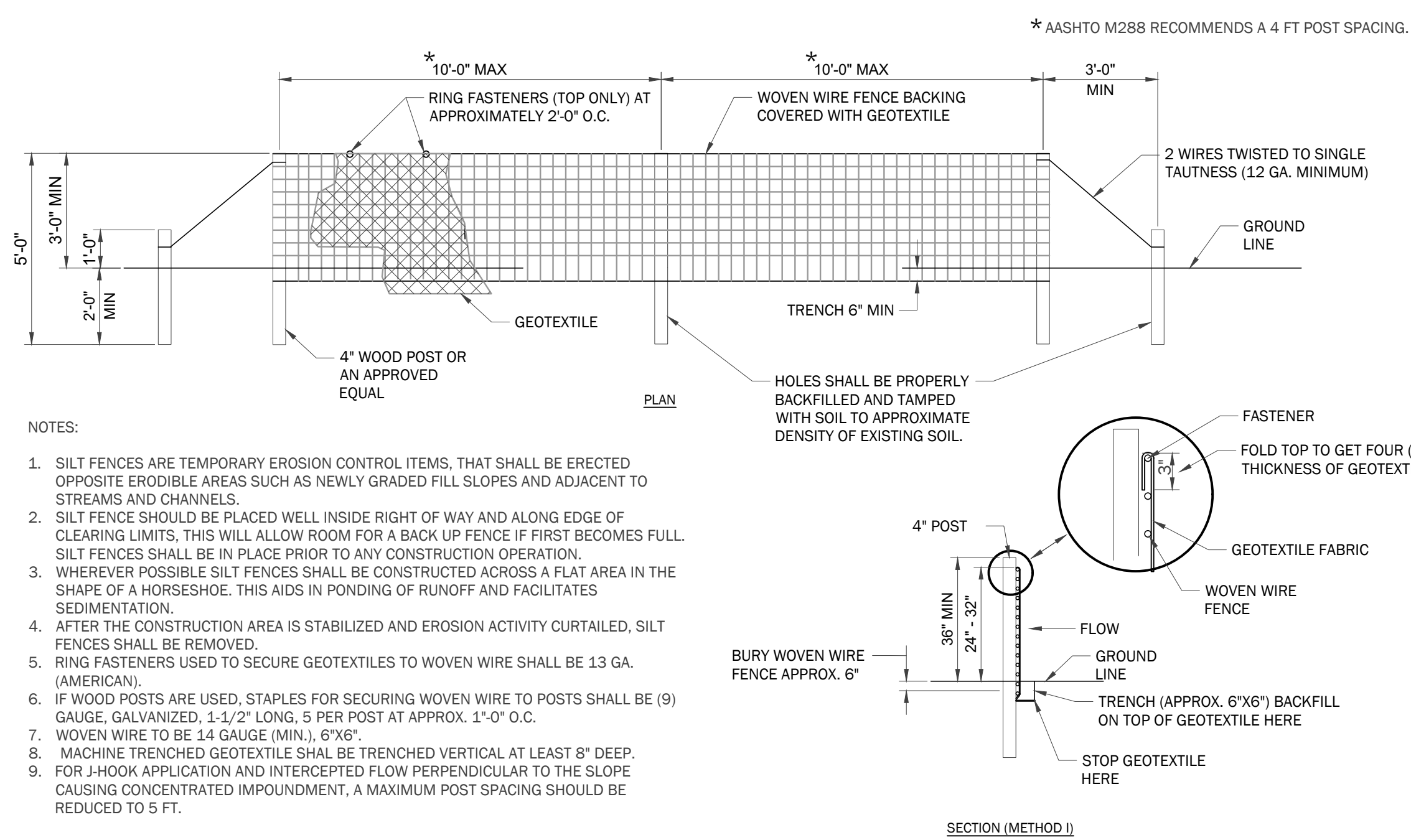
5 OF 9
 0 1" 2"

EROSION CONTROL LEGEND

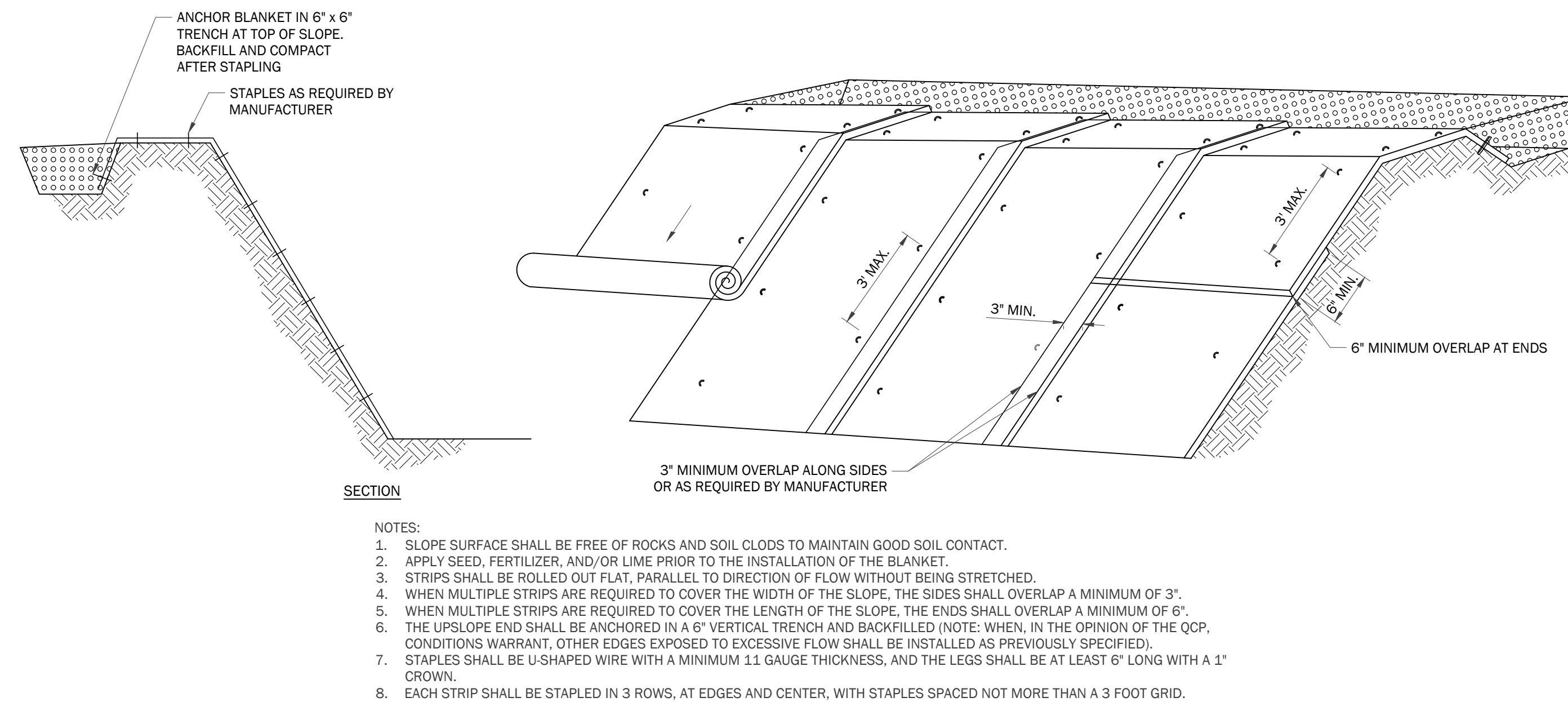
	SILT FENCE
	SEDIMENT CONTROL LOG
	CONSTRUCTION EXIT PAD
	DIVERSION CHANNEL
	WATTLE INLET PROTECTION
	WATTLE CHECK DAM
	TOPSOILING
	MULCHING
	PERMANENT SEEDING
	SURFACE ROUGHENING
	EROSION CONTROL BLANKET

- NOTES:**
- SEE SHEET C0.1 FOR ALL APPLICABLE NOTES.
 - ALL DISTURBED AREAS SHALL RECEIVE 4" OF TOPSOIL, SEED AND MULCH.

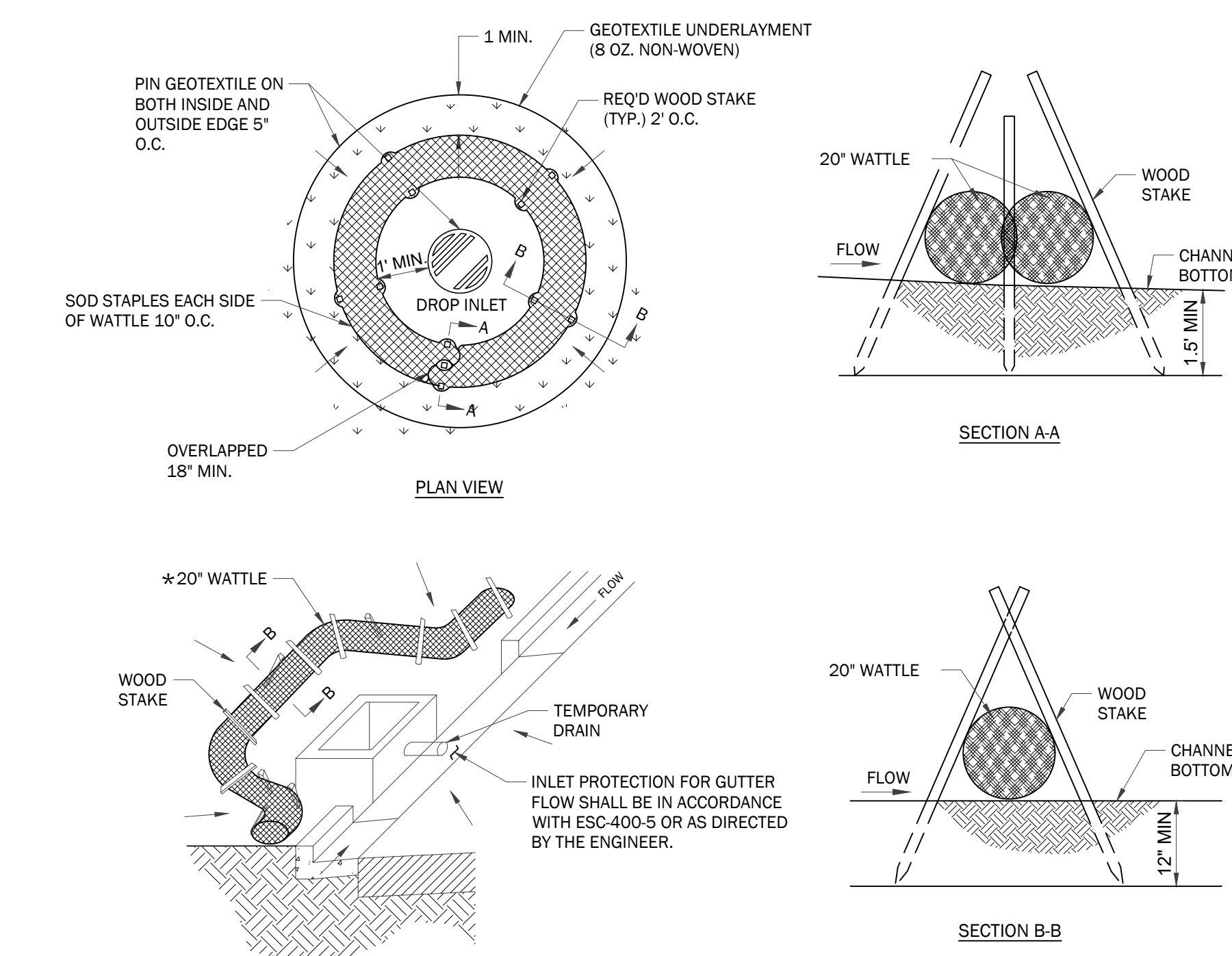




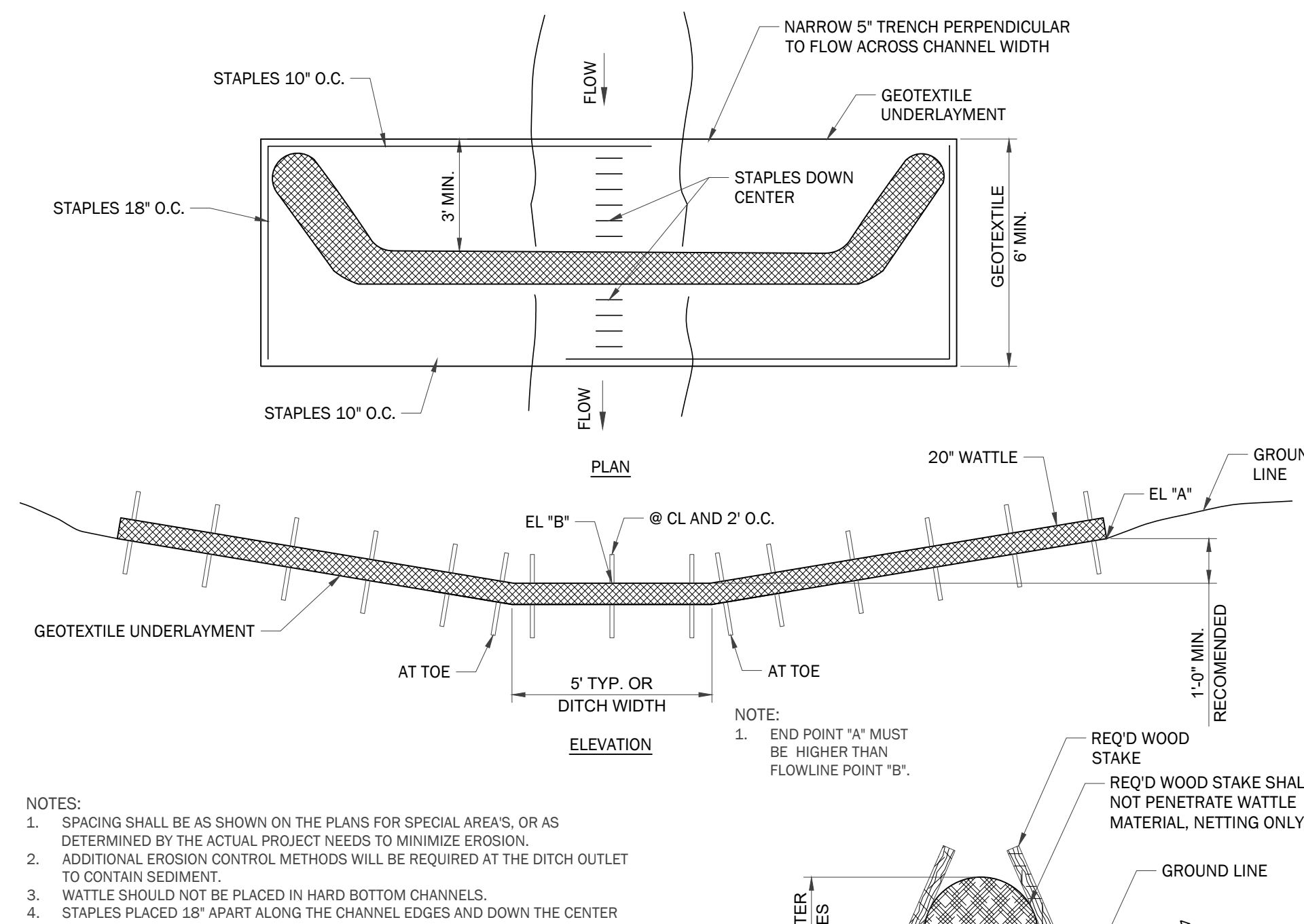
SILT FENCE - TYPE "A"
 NOT TO SCALE



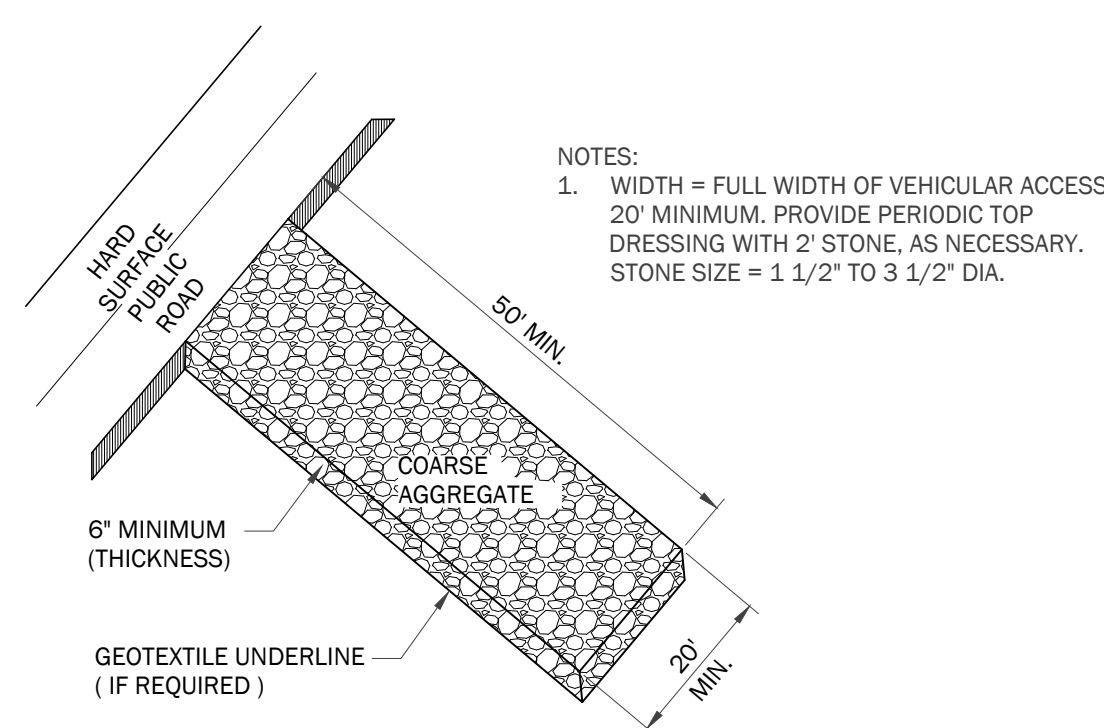
TEMPORARY EROSION CONTROL BLANKET
 NOT TO SCALE



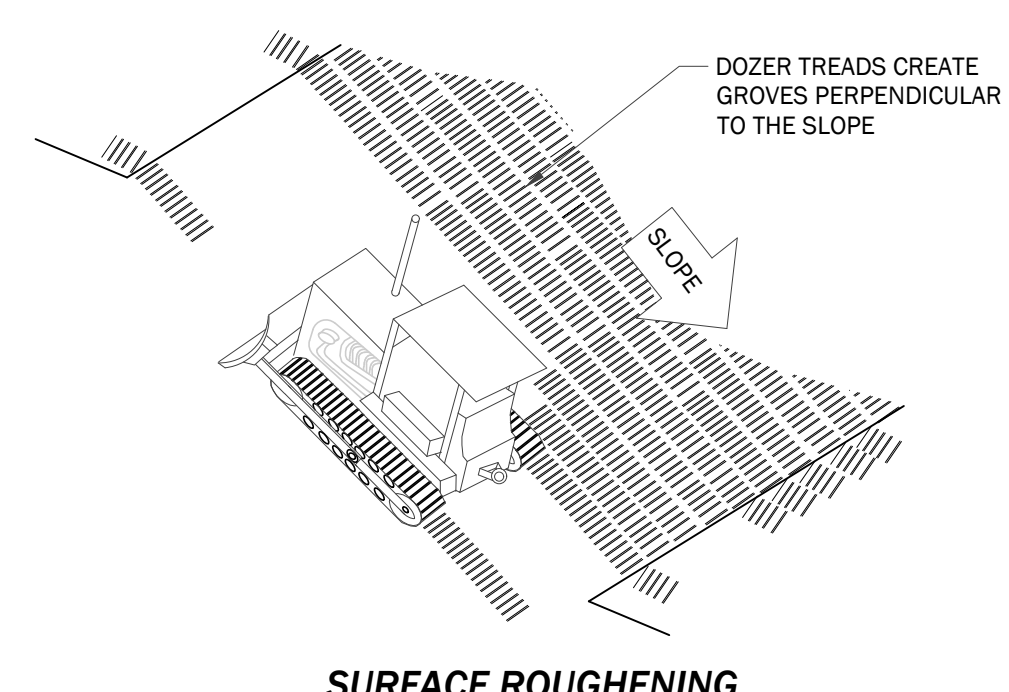
WATTLE INLET PROTECTION
 NOT TO SCALE



WATTLE CHECK DAM / SEDIMENT CONTROL LOG
 NOT TO SCALE



CONSTRUCTION ENTRANCE/EXIT PAD
 NOT TO SCALE



SURFACE ROUGHENING
 NOT TO SCALE

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
 13878 US HIGHWAY 11, YORK, AL 38925
 SUMTER COUNTY BOARD OF EDUCATION

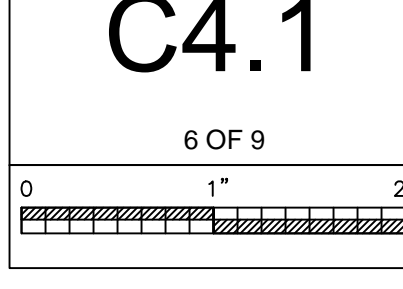


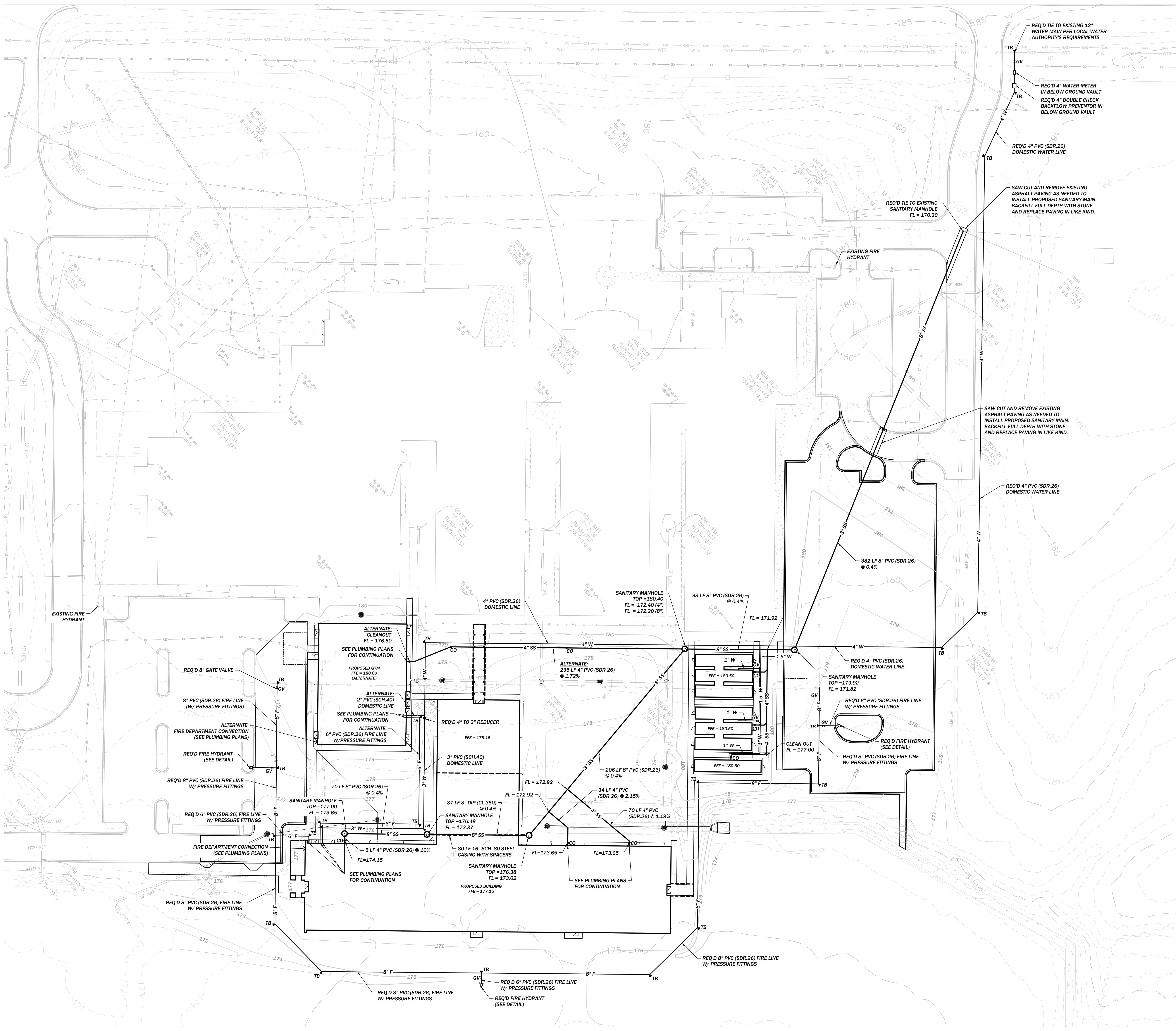
SHEET TITLE:
EROSION CONTROL
 DETAILS

PROJ. MGR.: LBH
 DRAWN: CAH
 DATE: JUNE 24, 2024
 REVISIONS:

JOB NO. **24-38**

SHEET NO:
C4.1

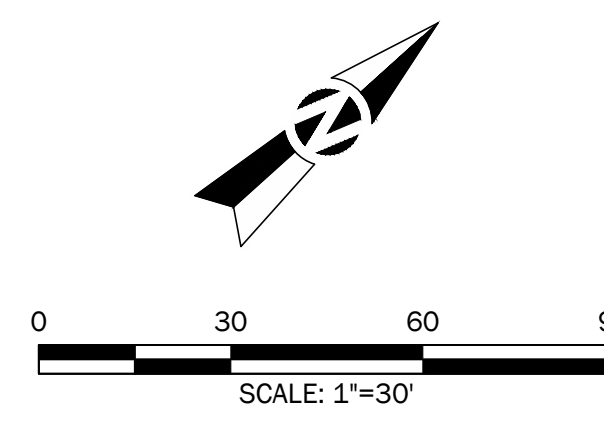




UTILITY LEGEND

— F —	FIRE SERVICE
— W —	DOMESTIC WATER
— IRR —	IRRIGATION
— COMM —	COMMUNICATION
— UGP —	UNDERGROUND POWER
— OHP —	OVERHEAD POWER
— GAS —	GAS
— SS —	SANITARY SEWER
⊕	FIRE HYDRANT
◄ TB	THRUST BLOCK
◄ GV	GATE VALVE
◄ CO	CLEANOUT

- NOTES:**
- SEE SHEET C0.1 FOR ALL APPLICABLE NOTES.
 - WATER SERVICES TO PROPOSED STORM SHELTERS ARE 1" PVC (SCH.40).
 - SANITARY SEWER SERVICE TO PROPOSED STORM SHELTERS ARE 4" PVC (SDR-26) @ 1% MIN. SLOPE.



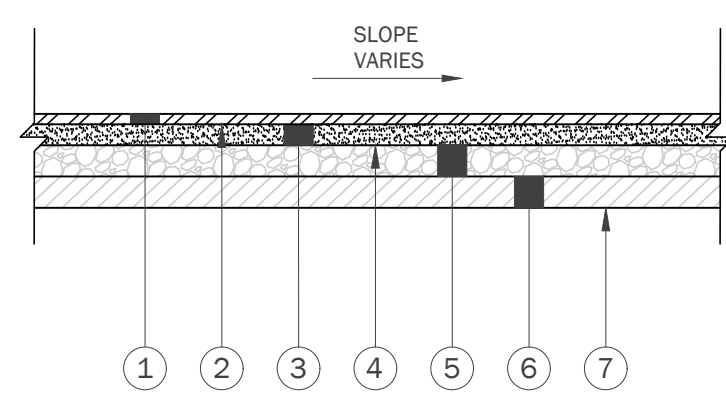
ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
 13878 US HIGHWAY 11, YORK, AL 38925
 SUMTER COUNTY BOARD OF EDUCATION



SHEET TITLE:
 SITE UTILITY PLAN

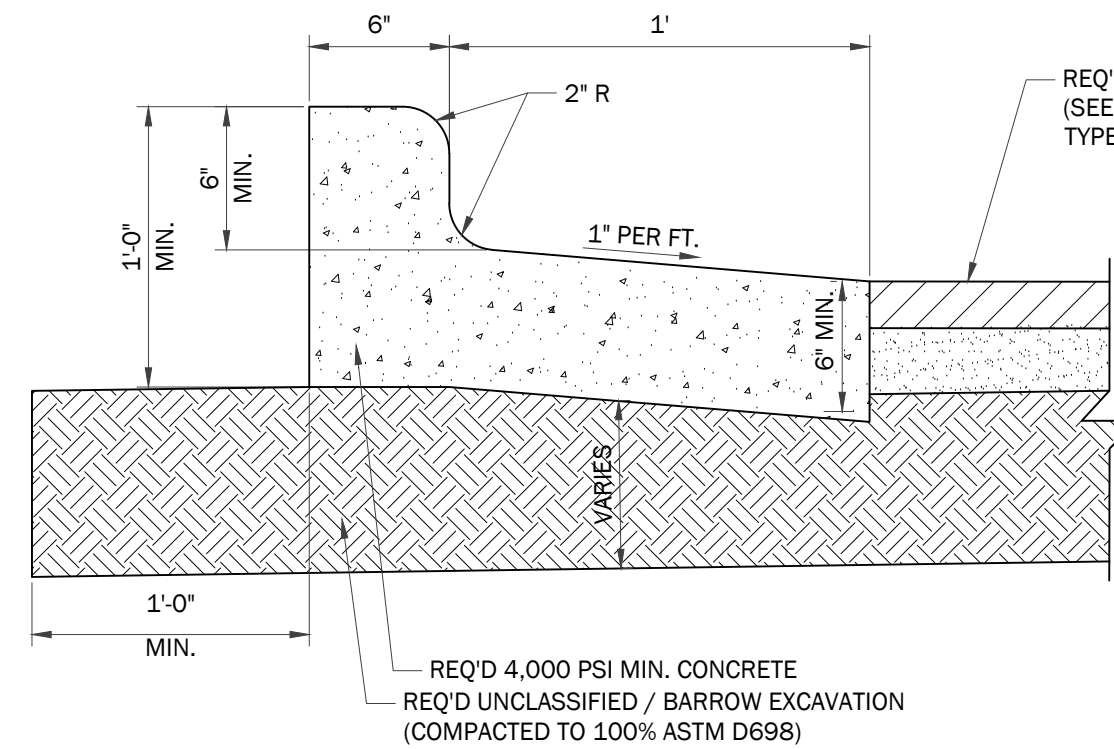
PROJ. MGR.: LBH
 DRAWN: CAH
 DATE: JUNE 24, 2024
 REVISIONS:

JOB NO. **24-38**
 SHEET NO:
C5.0
 7 OF 9
 SCALE: 1"=30'

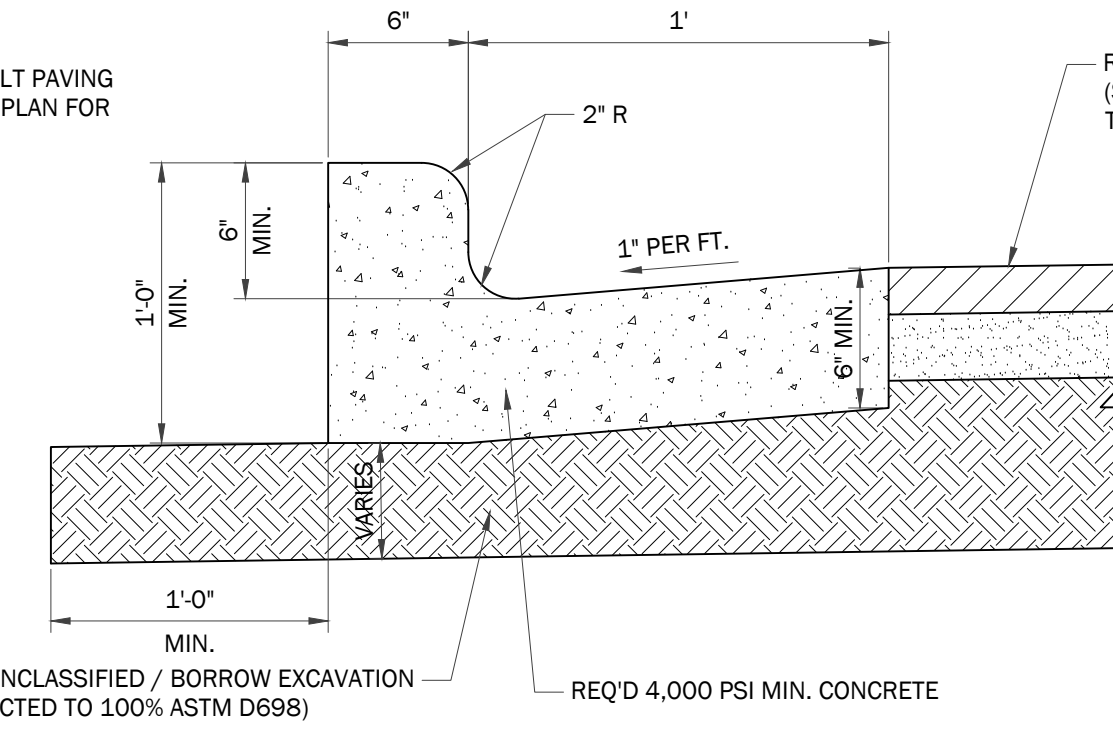


TYPICAL ASPHALT PAVEMENT (STANDARD DUTY)
NOT TO SCALE

1. REQ'D: SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, 1 1/2" MAXIMUM AGGREGATE SIZE MIX (ALDOT 424A)(1.5" COMPACTED THICKNESS)
2. REQ'D: TACK COAT (TRACKLESS TACK) (ALDOT 405A)(0.10 GAL/SY)
3. REQ'D: SUPERPAVE BITUMINOUS CONCRETE BINDER UPPER LAYER, 3/4" MAXIMUM AGGREGATE SIZE MIX (ALDOT 424B)(2" COMPACTED THICKNESS)
4. REQ'D: PRIME COAT "A" (ALDOT SECTION 401D)
5. REQ'D: CRUSHED AGGREGATE STONE BASE COURSE (ALDOT 825B)(6" COMPACTED THICKNESS) (COMPACTED TO 100% ASTM D 698)
6. REQ'D: SUBGRADE, COMPACTED TO 98% ASTM D 698)
7. REQ'D: UNCLASSIFIED/BORROW EXCAVATION (COMPACTED TO 98% ASTM D 698)

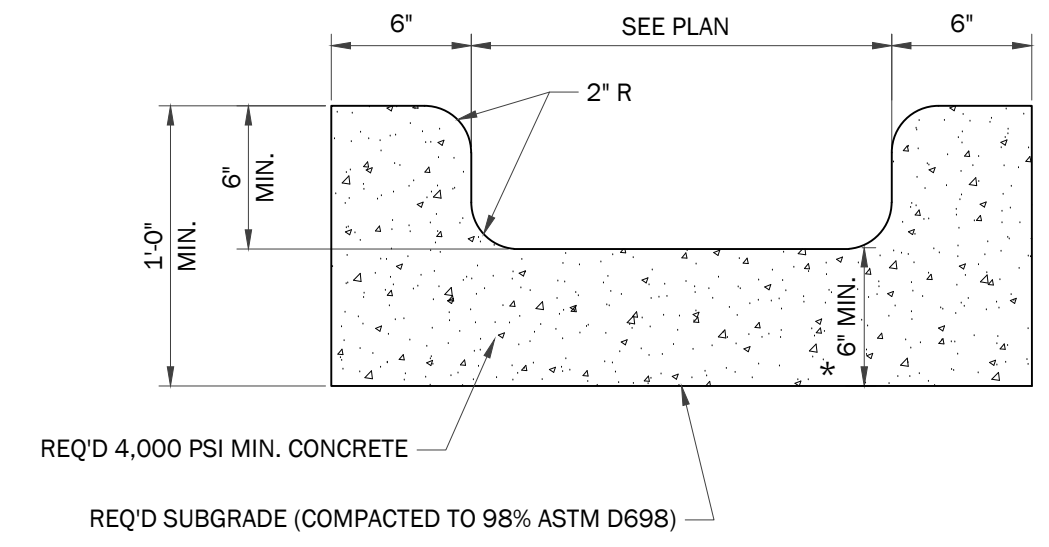


18" CURB & GUTTER (INVERTED)
NOT TO SCALE



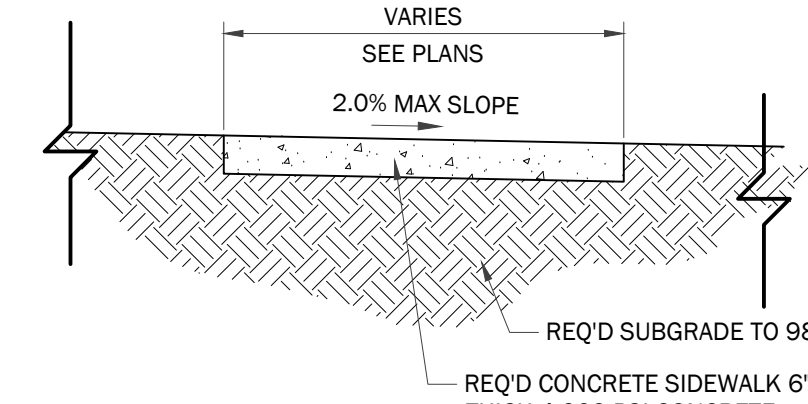
18" CURB & GUTTER
NOT TO SCALE

- NOTES:
1. THE CONTRACTOR SHALL BE PERMITTED TO USE MACHINE PLACEMENT. THE MACHINE SHALL BE SO DESIGNED TO PLACE, SPREAD, CONSOLIDATE, SCREED, AND FINISH THE CONCRETE IN ONE (1) COMPLETE PASS IN SUCH A MANNER THAT A MINIMUM OF HAND FINISHING WILL BE NECESSARY TO PROVIDE A DENSE AND HOMOGENEOUS CONCRETE SECTION. THE MACHINE SHALL SHAPE, VIBRATE AND/OR EXTRUDE THE CONCRETE FOR THE FULL REQUIRED CONCRETE SECTION BEING PLACED.
 2. EXPANSION JOINTS REQ'D @ 50' INTERVALS (IF HAND FORMED), AT ALL RADI POINTS AT CONCRETE ENTRANCES AND CURB RETURNS, AT DROP INLETS, AT END OF WORK DAYS, AND/OR ALL COOL JOINTS. FILLER MATERIAL SHALL CONFORM TO ASTM C920 AND BE FURNISHED IN A SINGLE ONE-HALF INCH (1/2") THICK PIECE FOR FULL DEPTH AND WIDTH OF THE JOINT.
 3. CONTRACTION JOINTS MAY BE SAWCUT OR HANDFORMED. JOINTS SHALL BE 1/4" CONCRETE THICKNESS IN DEPTH BY 1/8" WIDE AND SHALL BE 10' O.C.
 4. SEE GRADING/EARTHWORK NOTES AND SPECIFICATIONS FOR SUBGRADE REQUIREMENTS.



CONCRETE FLUME
NOT TO SCALE

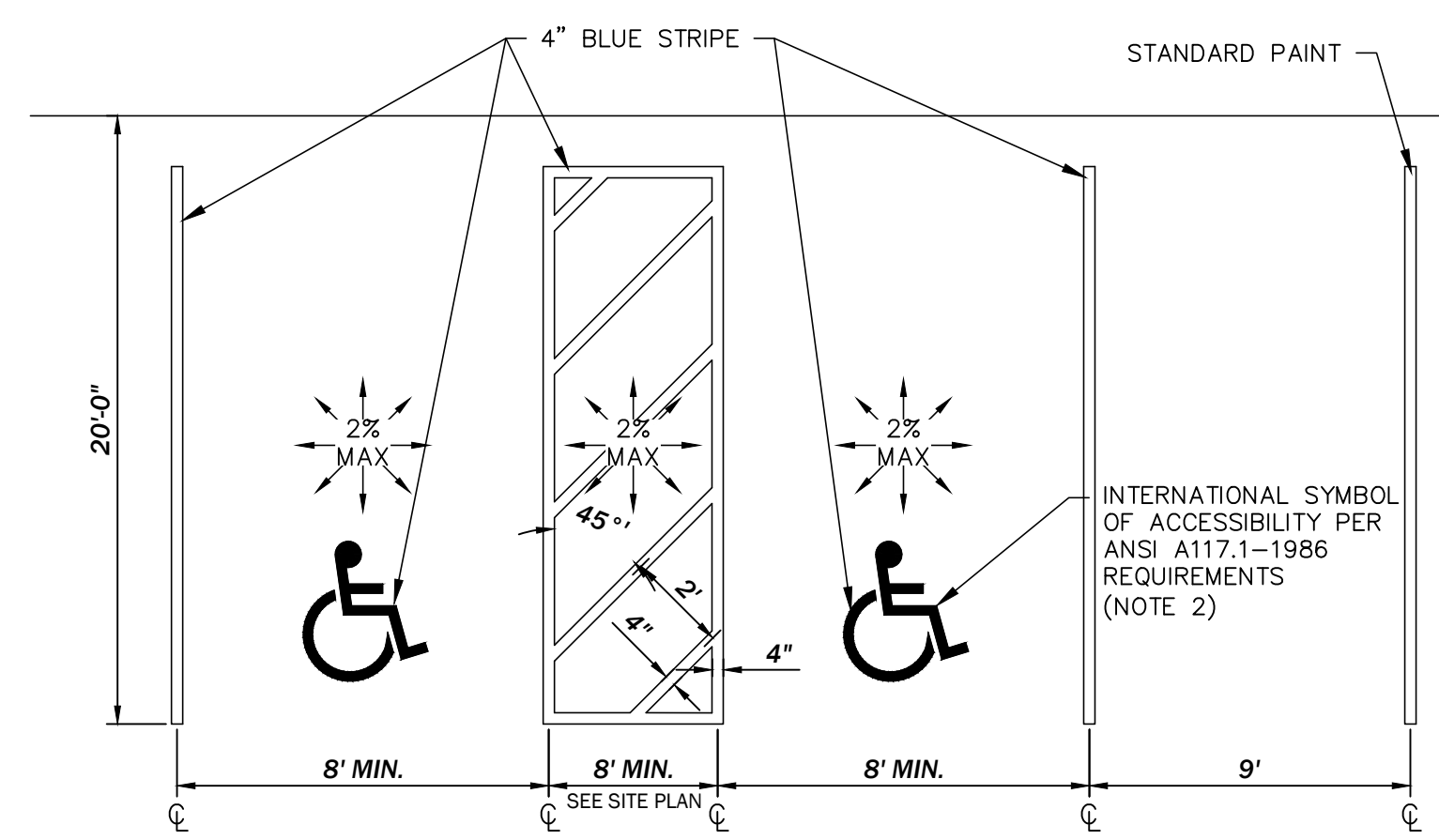
- NOTES:
1. EXPANSION JOINTS REQ'D @ 50' INTERVALS, AT ALL RADI POINTS AT CONCRETE ENTRANCES AND CURB RETURNS, AT DROP INLETS, AT END OF WORK DAYS, AND/OR ALL COOL JOINTS. FILLER MATERIAL SHALL CONFORM TO ASTM C920 AND BE FURNISHED IN A SINGLE ONE-HALF INCH (1/2") THICK PIECE FOR FULL DEPTH AND WIDTH OF THE JOINT.
 2. CONTRACTION JOINTS MAY BE SAWCUT OR HANDFORMED. JOINTS SHALL BE 1/4" CONCRETE THICKNESS IN DEPTH BY 1/8" WIDE AND SHALL BE 10' O.C.



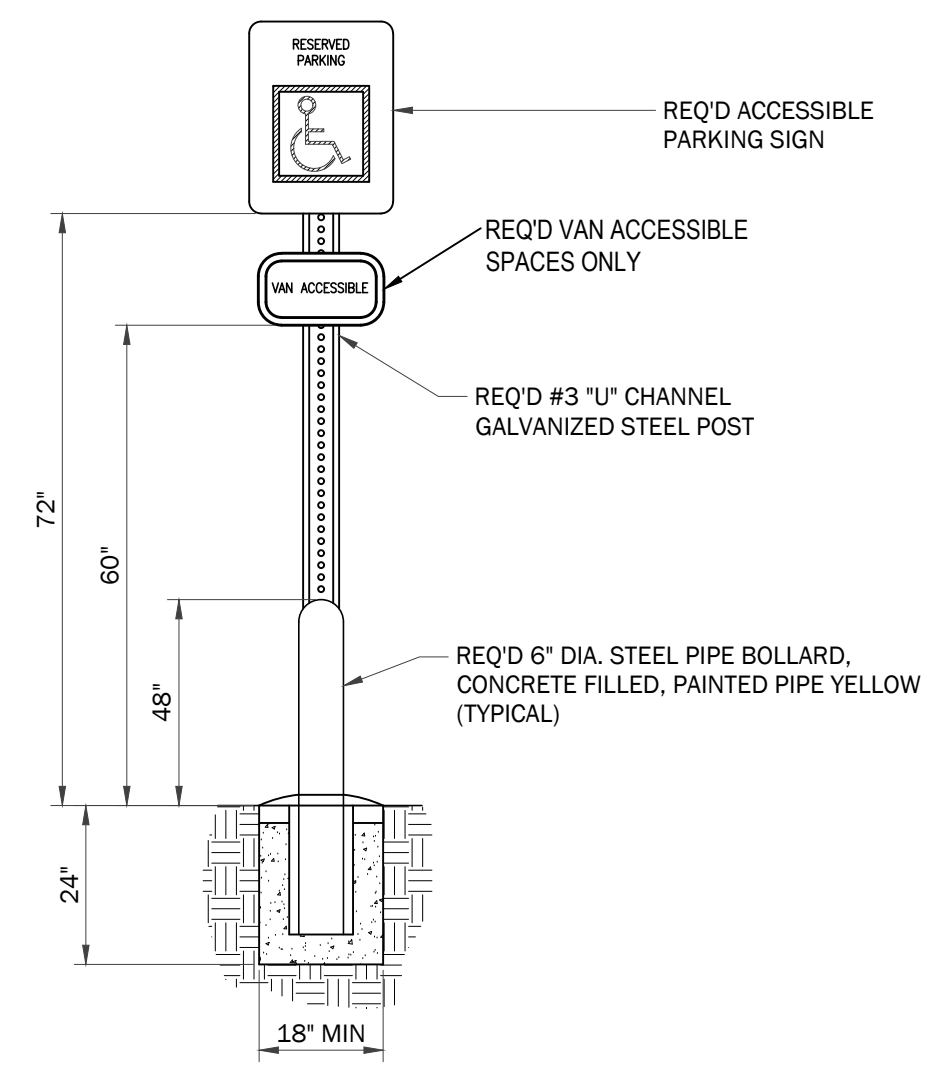
CONCRETE SIDEWALK
NOT TO SCALE

- NOTES:
1. EXPANSION JT. REQ'D @ 40' MAX. INTERVALS BUT NOT LESS THAN 30' WITH EXPANSION JOINT MATERIAL.
 2. CONTRACTION JOINTS SHALL BE HAND TOoled ONLY IN LOCATIONS AS INDICATED BY THE SCORING PATTERN SHOWN IN THE CONSTRUCTION PLANS. JOINTS SHALL BE INSTALLED AT A DEPTH OF 1/4" THICKNESS OF THE SLAB MIN. NO SAW CUT OF JOINTS IS ALLOWED.
 3. SIDEWALKS SHALL HAVE AN EXPANSION JOINT INSTALLED IN ALL LOCATIONS WHERE NEW IMPROVEMENTS MEET EXISTING INFRASTRUCTURE.
 4. SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.
 5. THE CONTRACTOR SHALL PROVIDE 3 MOCKUP PANELS (AT MINIMUM 3' X 3' IN SIZE) THAT HE FLOATS LIGHT BROOM, MEDIUM BROOM, AND HEAVY BROOM. THE OWNER WILL CHOOSE THE FINISH THEY DESIRE FOR THE PROJECT AND THE CONTRACTOR WILL PROCEED AS DIRECTED.
 6. ALL STONE SHALL BE MECHANICALLY COMPACTED IN PLACE. NO EXCEPTIONS.
 7. CONTRACTOR SHALL REFERENCE THE PLANS FOR THE CONCRETE SIDEWALK SCORING PATTERN. THE CONTRACTOR SHALL MATCH THIS PATTERN AS SHOWN.
 8. EXPANSION JOINT MATERIAL SHALL BE PUSHED DOWN 1/8" FROM TOP OF SIDEWALK.
 9. EXPANSION JOINT MATERIAL SHALL BE CONTINUOUS THROUGH THE OVERALL DEPTH OF THE SIDEWALK.

1. RE: SITE PLAN FOR LOCATION OF ADA PARKING SPACES AND ACCESS AISLE IN RELATIONSHIP TO THE DOOR LOCATION. (THIS DETAIL IS FOR STRIPING LAYOUT ONLY)
2. PARKING STRIPES AND THE ADA INTERNATIONAL HANDICAP SYMBOL ARE TO BE PAINTED PER THE MANUFACTURER'S RECOMMENDATIONS.

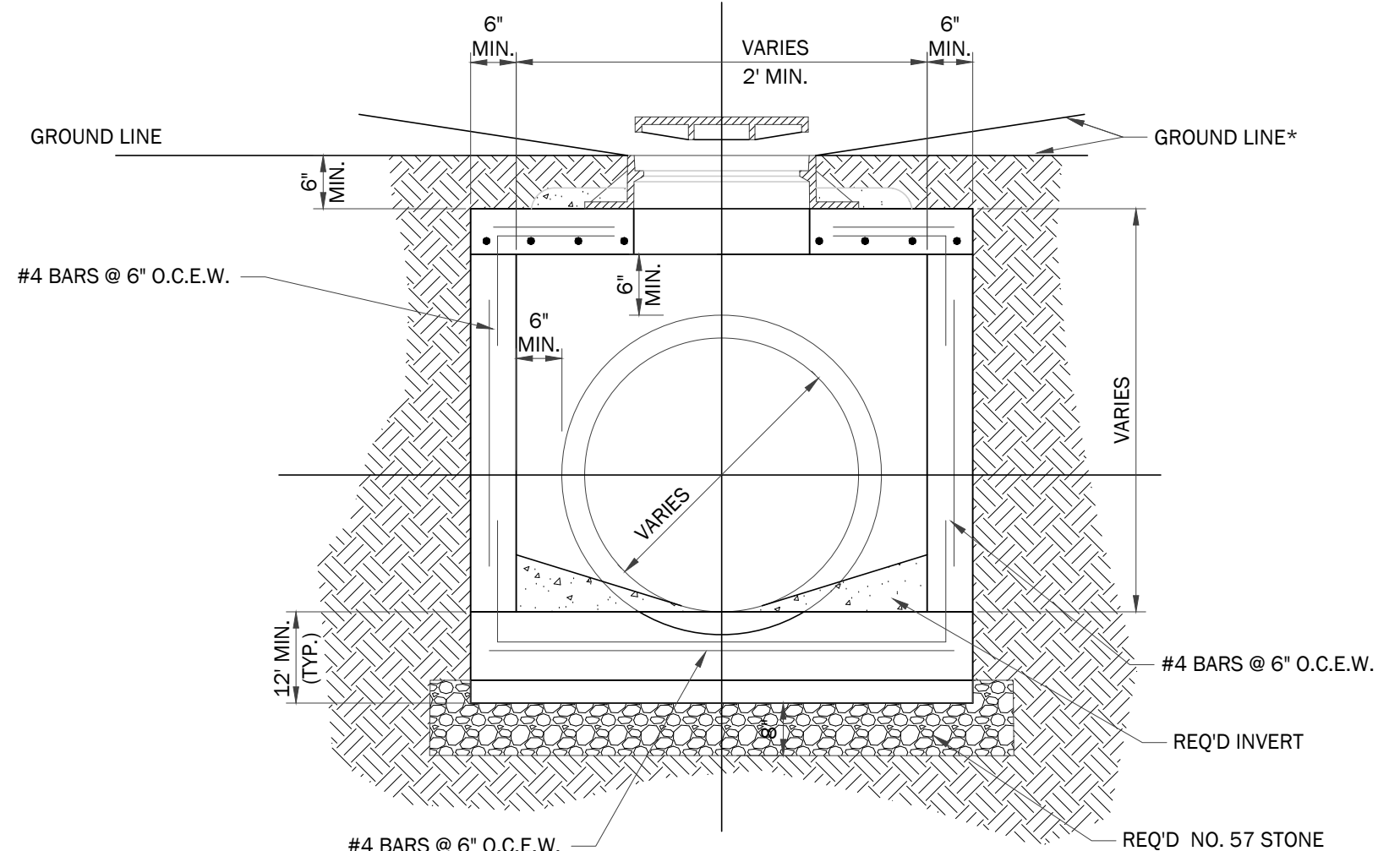


ADA PARKING LAYOUT DETAIL
NOT TO SCALE

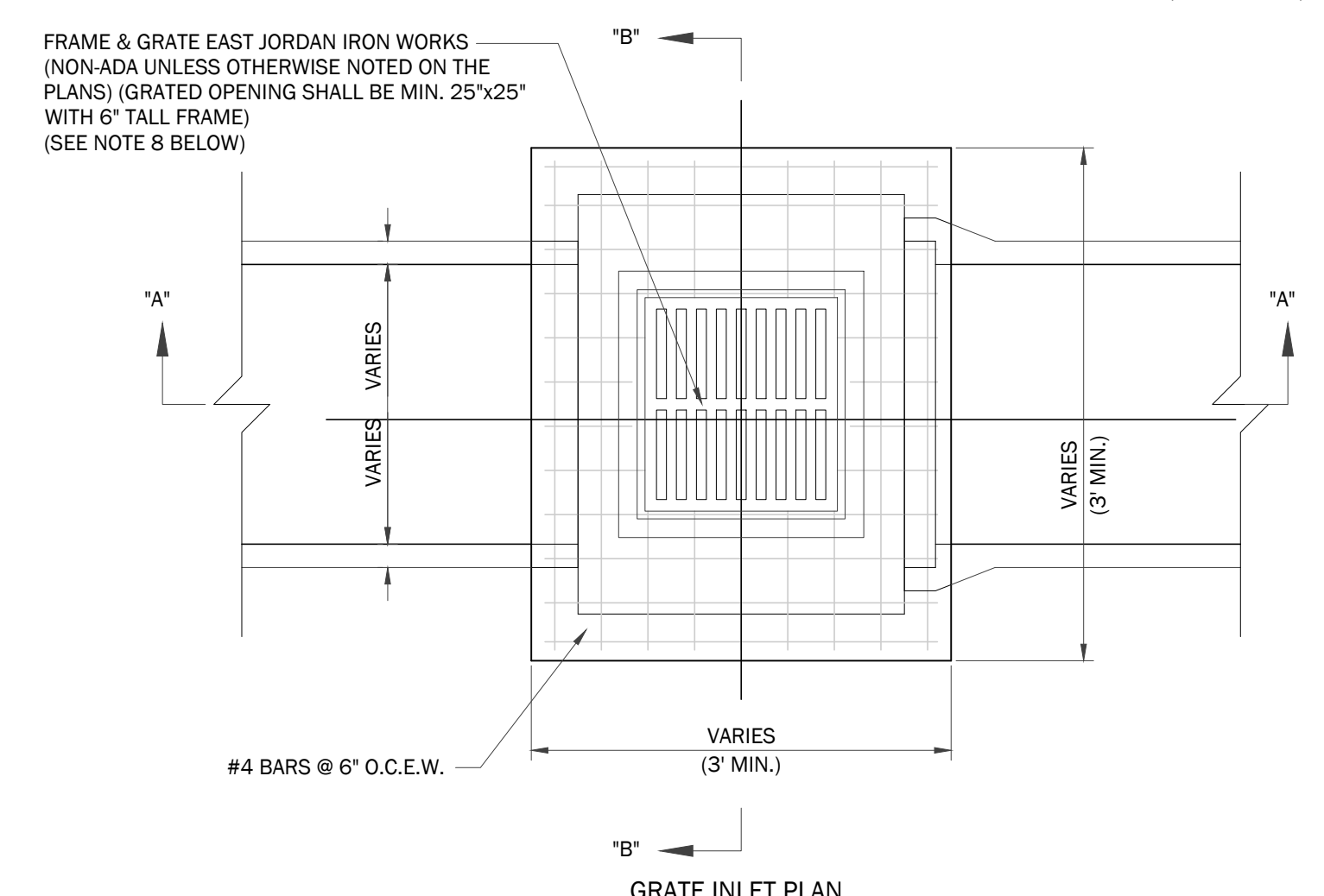


ADA PARKING SIGN DETAIL
NOT TO SCALE

- NOTES:
1. ADA ACCESSIBLE PARKING SIGN SHALL CONFORM TO ALL GOVERNING REGULATIONS.



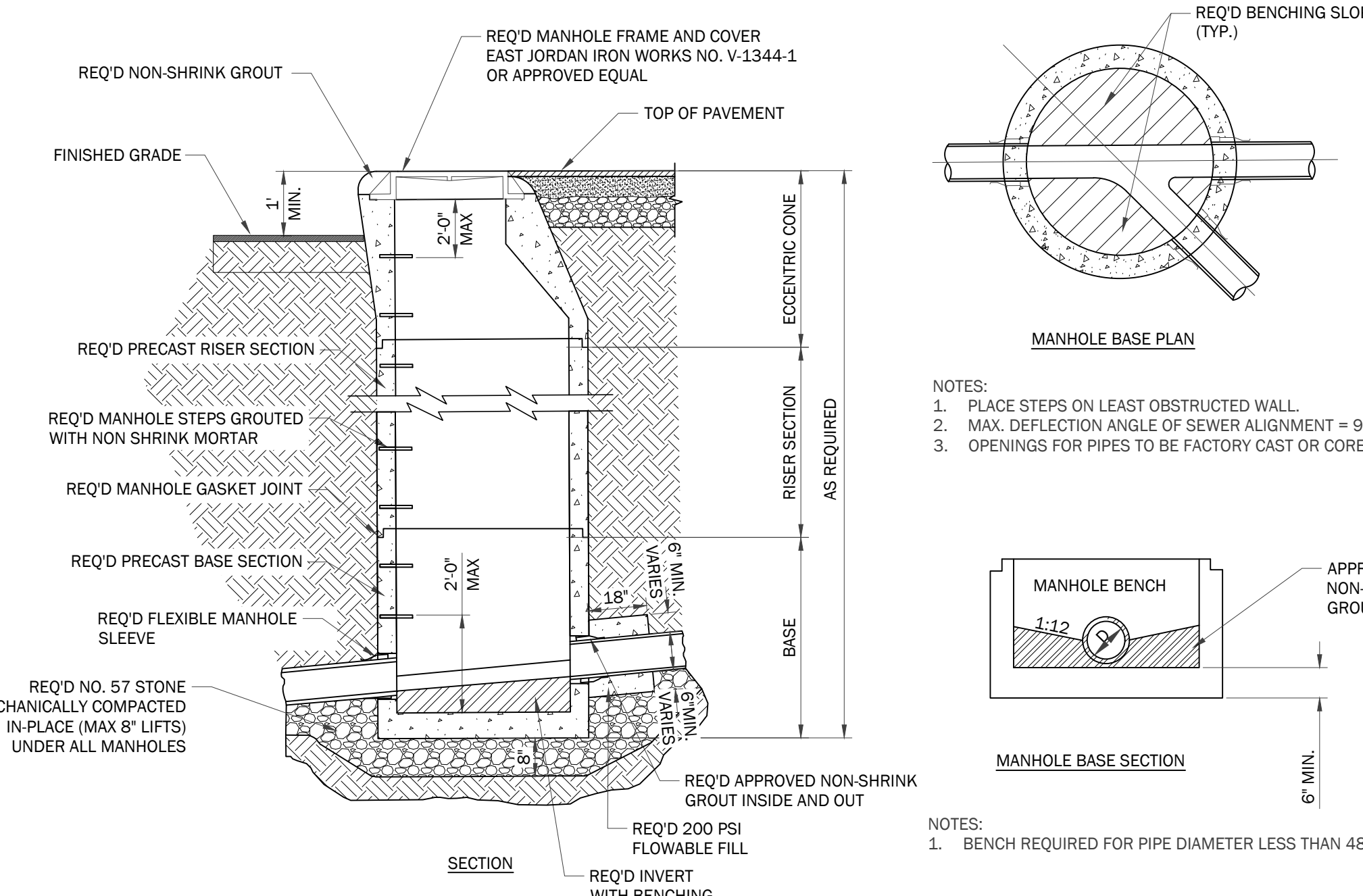
SECTION "BB"



GRATE INLET PLAN

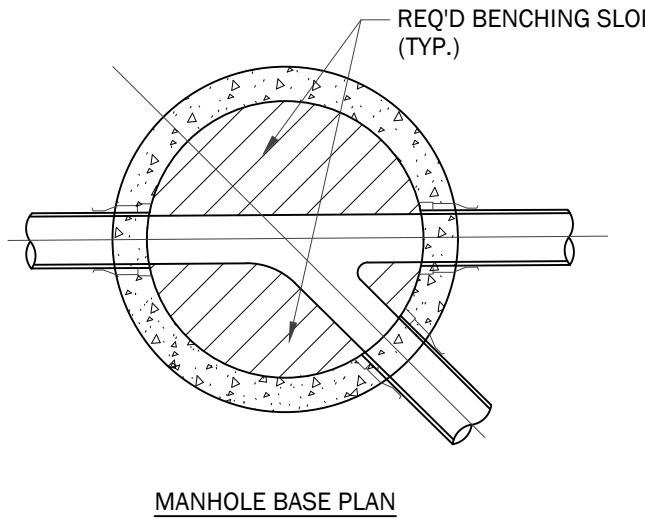
- NOTES FOR ALL CONCRETE STORM DRAIN STRUCTURES:
1. USE MIN. 3000 P.S.I. CONCRETE AND DEFORMED REINFORCING STEEL TO CONSTRUCT THIS ITEM.
 2. SHAPE BOTTOM TO FLOW LINE OF PIPES.
 3. STEPS ARE REQUIRED FOR ALL STRUCTURES OVER 4 FEET IN DEPTH MEASURED FROM TOP OF BOX TO INVERT OUT. STEP SPACING SHALL BE AS DIRECTED BY THE ENGINEER.
 4. ALL CONCRETE BOXES SHALL INCLUDE FORMED INVERTS AND RING AND COVERS OF THE TYPE SPECIFIED.
 5. GROUND LINE SHALL BE SLOPED TOWARD GRATE INLET TOP. GROUND LINE SHALL BE SLOPED AWAY FROM JUNCTION BOX TOP.
 6. THE CONTRACTOR SHALL REFER TO SPECIAL DRAWING NO. JB-620-B OF THE ALDOT SPECIAL AND STANDARD DRAWINGS, LATEST EDITION, FOR DIMENSIONS AND OTHER INFORMATION NECESSARY TO CONSTRUCT THIS ITEM.
 7. WHEN INSTALLING A SOLID TOP FOR JUNCTION BOX OR HOLED TOP FOR GRATE INLET ON AN EXISTING STRUCTURE, THE CONTRACTOR SHALL DOWEL INTO THE TOP OF THE EXISTING STRUCTURE WALLS WITH 12" LONG #5 BARS AT 6" O.C. ALONG THE PERIMETER OF THE STRUCTURE TO ATTACH THE NEW TOP. THE CONTRACTOR SHALL APPLY AN APPROVED EPOXY FOR THE DOWEL INSTALLATIONS. THE TOP REINFORCEMENTS SHALL THEN BE TIED TO THESE DOWELS. PREPARATION OF THE EXISTING CONCRETE SHALL FOLLOW THE CONCRETE SPECIFICATIONS.
 8. FRAME SHALL BE EJIW MODEL V5626-2 & GRATE SHALL BE EJIW MODEL V5726, OR APPROVED EQUAL.
 9. IF THE CONTRACTOR CHOOSES TO USE A STANDARD PRECAST MANHOLE FOR THE DRAINAGE STRUCTURE, THEN HE SHALL REFERENCE THE STANDARD PRECAST MANHOLE DETAIL FOR ALL REQUIREMENTS.

GRATE INLET
NOT TO SCALE



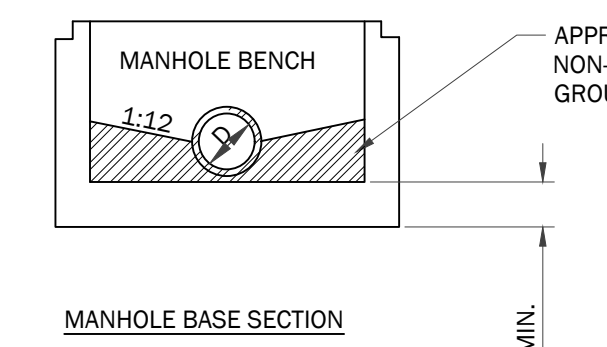
STANDARD PRECAST MANHOLE
NOT TO SCALE

- NOTES:
1. MANHOLES IN STREETS AND IMPROVED AREAS SHALL BE FINISHED FLUSH WITH FINISHED SURFACE. IN UNIMPROVED AREAS, 12" ABOVE FINISHED SURFACE OR AS DIRECTED BY THE ENGINEER.
 2. AFTER SEWER PIPE HAS BEEN LAID TO CORRECT GRADE ALIGNMENT, THE OPENING BETWEEN THE SEWER PIPE AND MANHOLE WALLS WILL BE SEALED WITH NON-SHRINKING GROUT SUCH AS WATER PLUG OR ANTI-HYDROP-DAMAGE TO THE PRECAST MANHOLE STRUCTURE SPECIFICALLY TO THE TONGUE AND GROOVE ENDS AND/OR GASKET SECTION SHALL REQUIRE THE STRUCTURE TO BE REPLACED BEFORE INSTALLATION. EXTREME CARE SHOULD BE USED DURING DELIVERY, INSTALLATION, ETC.



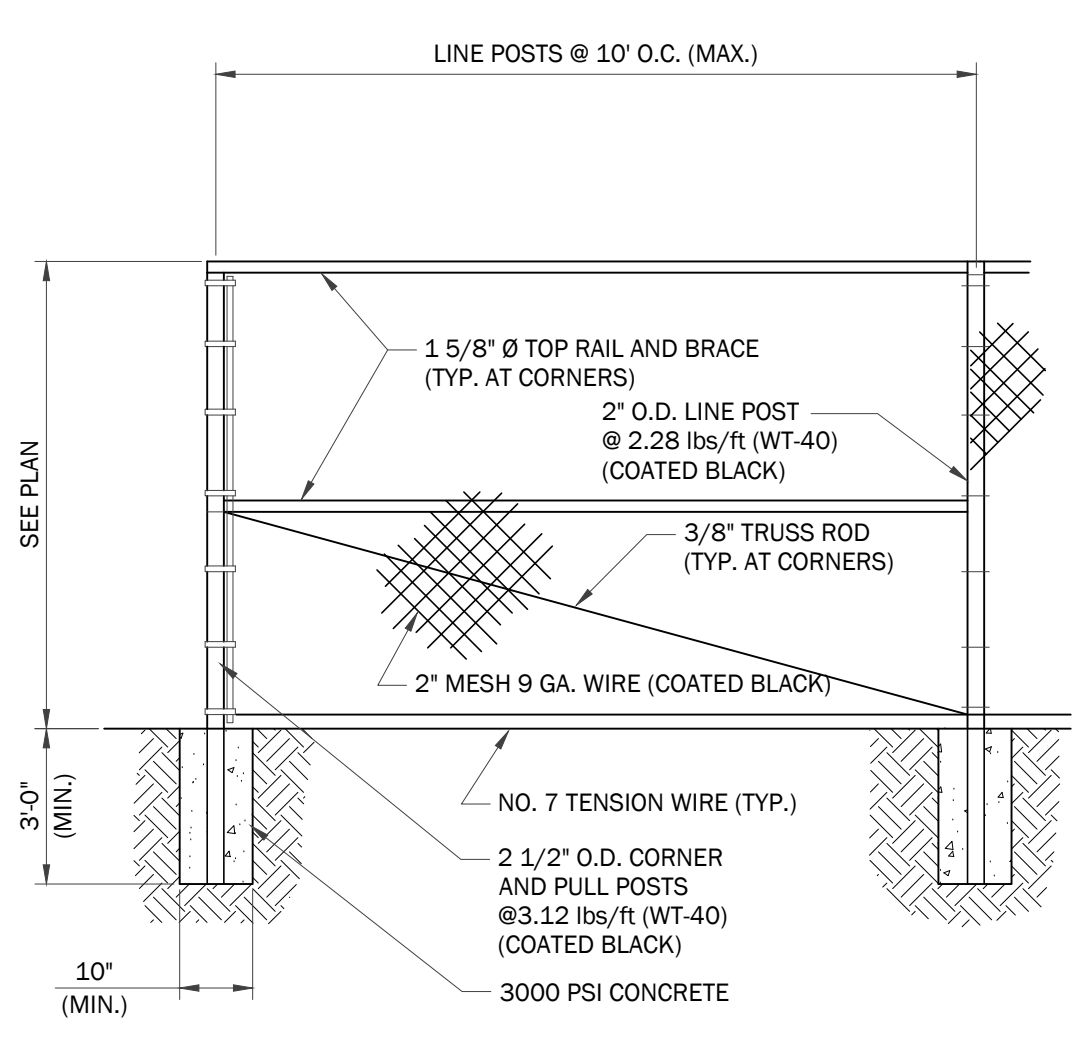
MANHOLE BASE PLAN

- NOTES:
1. PLACE STEPS ON LEAST OBSTRUCTED WALL.
 2. MAX. DEFLECTION ANGLE OF SEWER ALIGNMENT = 90°
 3. OPENINGS FOR PIPES TO BE FACTORY CAST OR CORED.



MANHOLE BASE SECTION

- NOTES:
1. BENCH REQUIRED FOR PIPE DIAMETER LESS THAN 48"



VINYL COATED CHAINLINK FENCE DETAIL
NOT TO SCALE

- NOTES:
1. THE PERMANENT CHAIN LINK FENCING SHALL BE VINYL COATED BLACK WITH A HIGH GRADE, EXTERIOR FINISH.
 2. WHERE BREAKS IN PROFILE OF FENCE TOP ARE NECESSARY IN ROUGH TERRAIN THEY SHALL BE MADE IN THE LEAST NUMBER OF INTERVALS PRACTICAL. BREAKS SHALL SPREAD OVER VERTICAL CURVES OF SUFFICIENT LENGTHS TO ENSURE A PLEASING APPEARANCE.

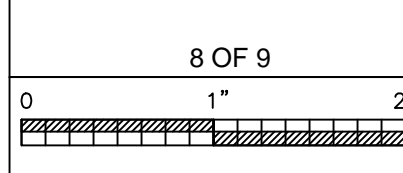


SHEET TITLE:
CIVIL DETAILS

PROJ. MGR.: LBH
DRAWN: CAH
DATE: JUNE 24, 2024
REVISIONS:

JOB NO. 24-38

SHEET NO:
C6.0



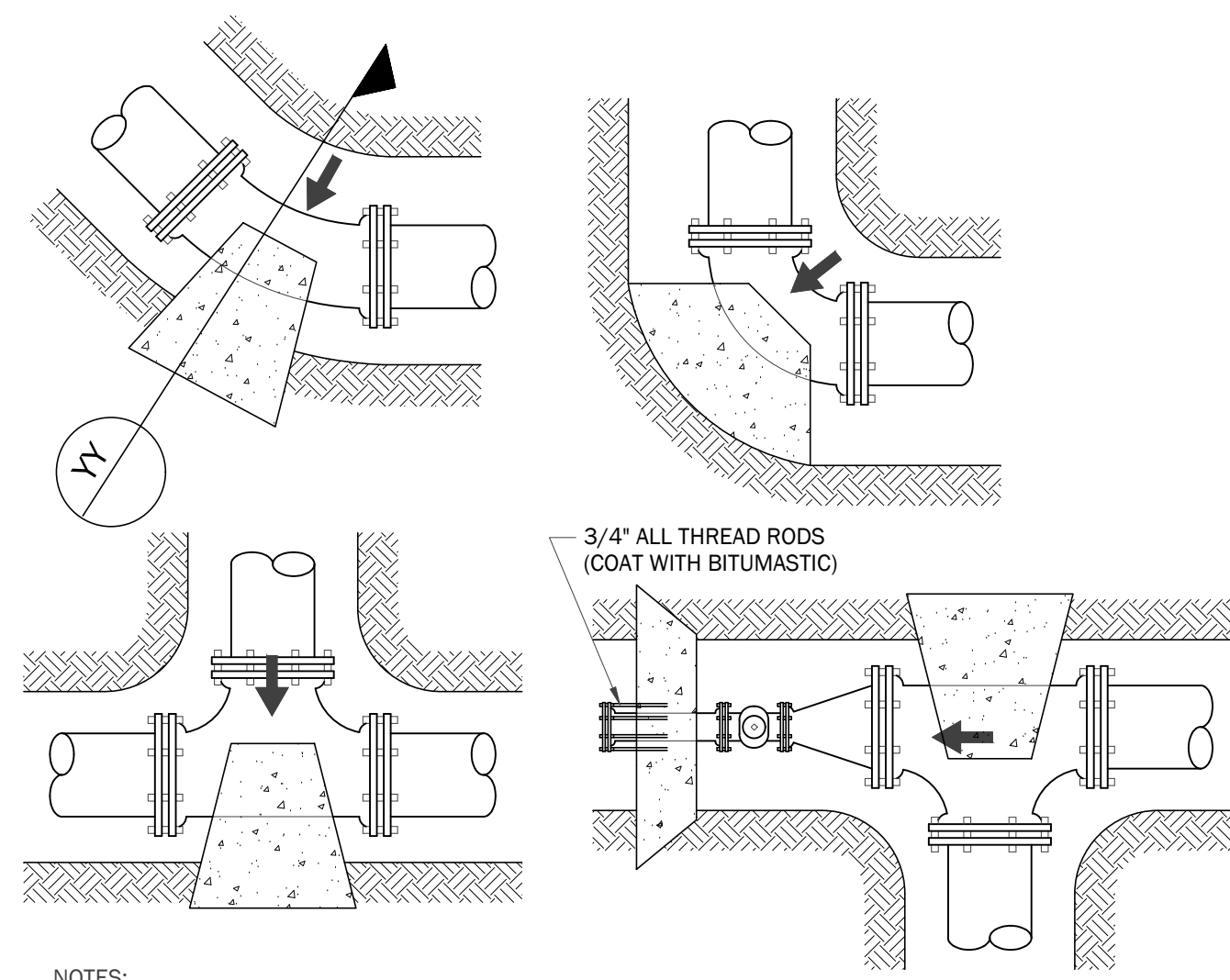


TABLE "A"
 BEARING AREA FOR THRUST BLOCKS SHALL BE ADJUSTED TO MATCH FIELD CONDITIONS ENCOUNTERED:

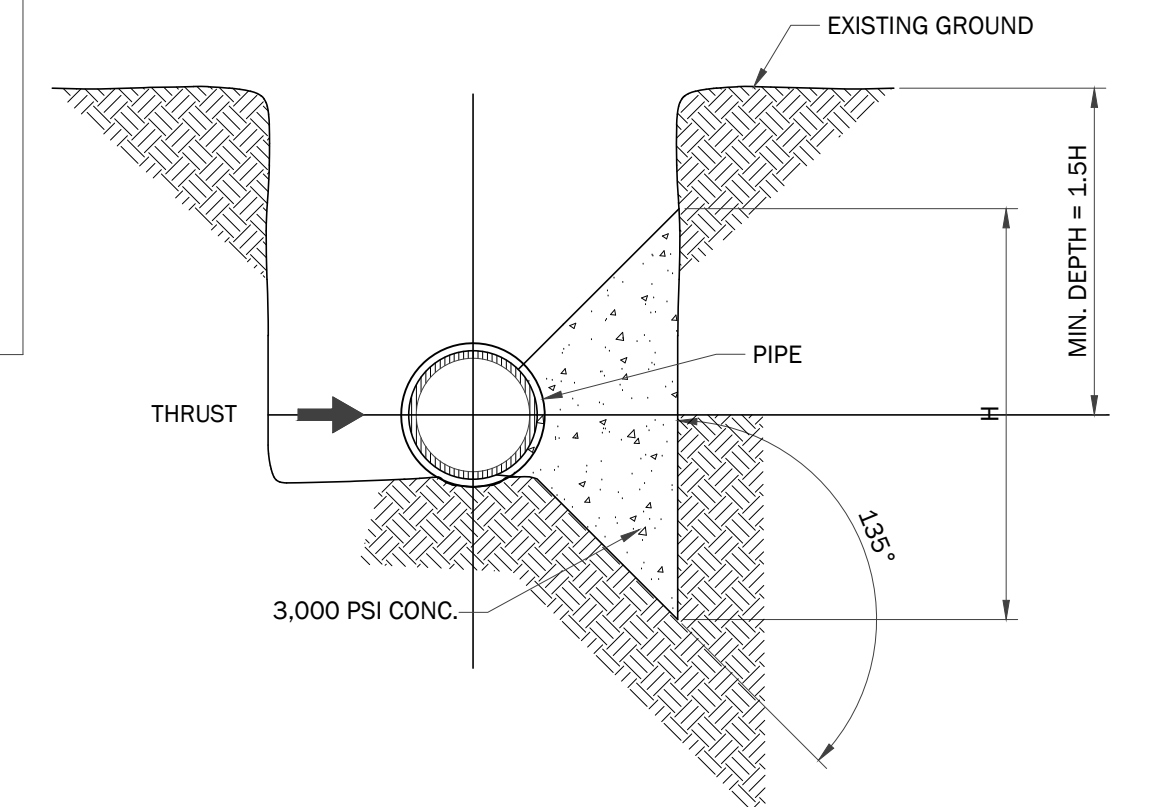
DIA. (IN.)	MINIMUM BEARING AREA OF THRUST BLOCKS (SQ. FT.)				
	TEE, WYE, PLUG, CAP	90° BEND PLUGGED CROSS	45° BEND	22 1/2° BEND	11 1/4° BEND
4	1.3	2.0	1.0	—	—
6	2.8	4.0	2.0	1.0	1.4
8	4.8	6.8	3.7	1.9	2.0
10	7.3	10.3	5.5	2.8	2.8
12	10.3	14.5	7.8	4.0	4.0
14	13.8	19.5	10.6	5.4	5.4
16	17.8	25.2	13.6	6.9	6.9
18	22.4	31.7	17.1	8.7	8.7
20	27.5	38.9	21.0	10.7	10.7
24	39.2	55.4	30.0	15.3	15.3
30	60.3	85.3	46.2	23.5	23.5
36	86.4	122.2	66.1	33.7	33.7
42	116.6	164.9	89.3	45.5	45.5
48	152.0	214.9	116.3	59.3	59.3
54	192.0	271.6	147.0	74.9	74.9

MINIMUM REQUIRED BEARING AREA FOR CONCRETE THRUST BLOCKS

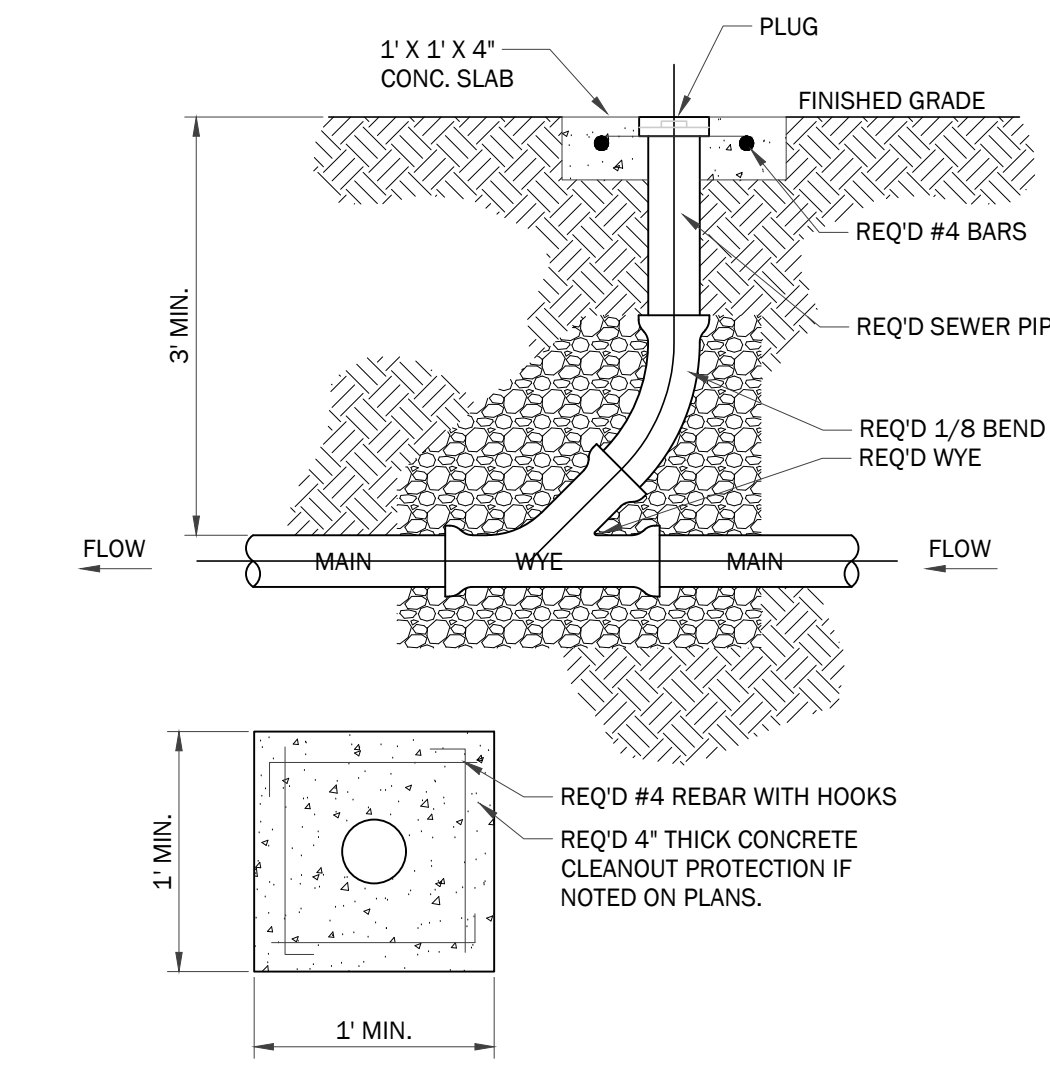
FITTING SIZE	BEND ANGLE		
	45° BEND	22 1/2° BEND	11 1/4° BEND
4	1.1	0.4	0.2
6	2.7	1.0	0.4
8	4.0	1.5	0.7
10	6.0	2.3	0.9
12	8.5	3.2	1.3
14	11.5	4.3	1.8
16	14.8	5.6	2.3

MINIMUM VOLUME OF THRUST BLOCK IN CUBIC YARDS (VERTICAL BENDS)

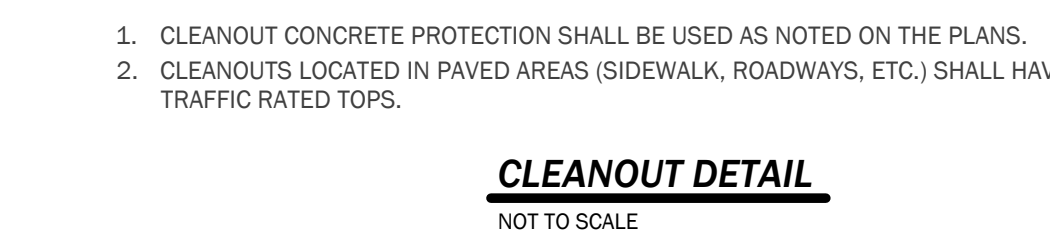
FITTING SIZE	BEND ANGLE		
	45° BEND	22 1/2° BEND	11 1/4° BEND
4	1.1	0.4	0.2
6	2.7	1.0	0.4
8	4.0	1.5	0.7
10	6.0	2.3	0.9
12	8.5	3.2	1.3
14	11.5	4.3	1.8
16	14.8	5.6	2.3



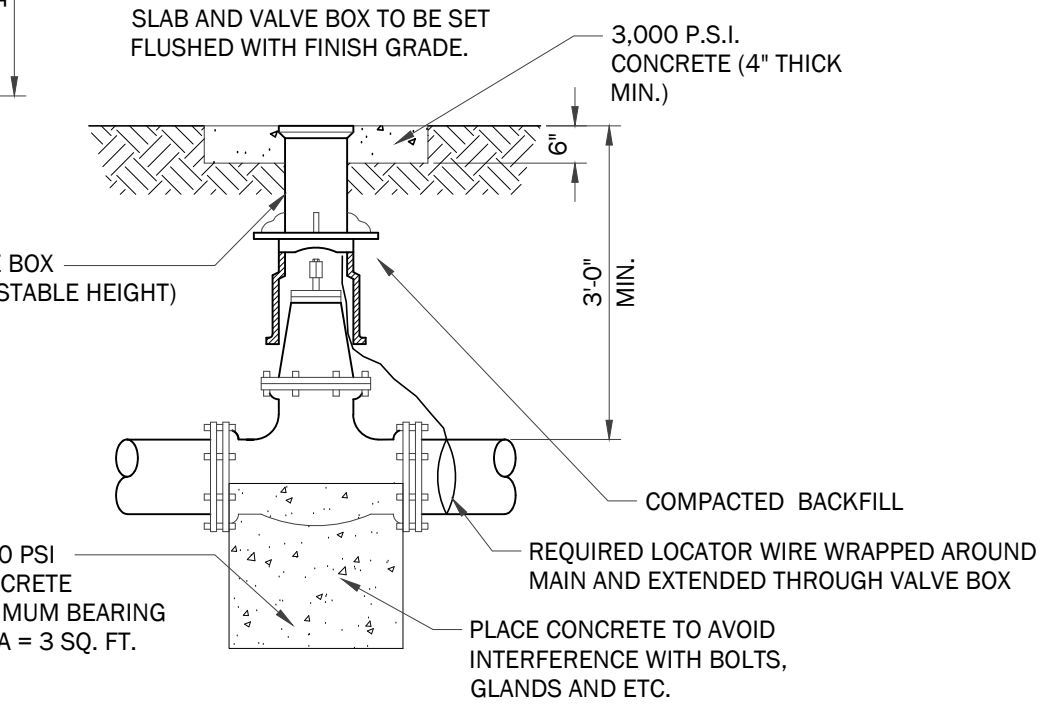
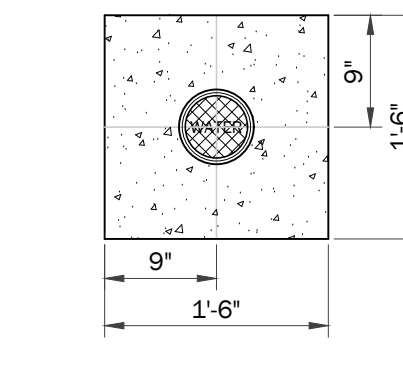
TYP. SECTION @ THRUST BLOCKS
 NOT TO SCALE



CLEANOUT PROTECTION DETAIL
 NOT TO SCALE



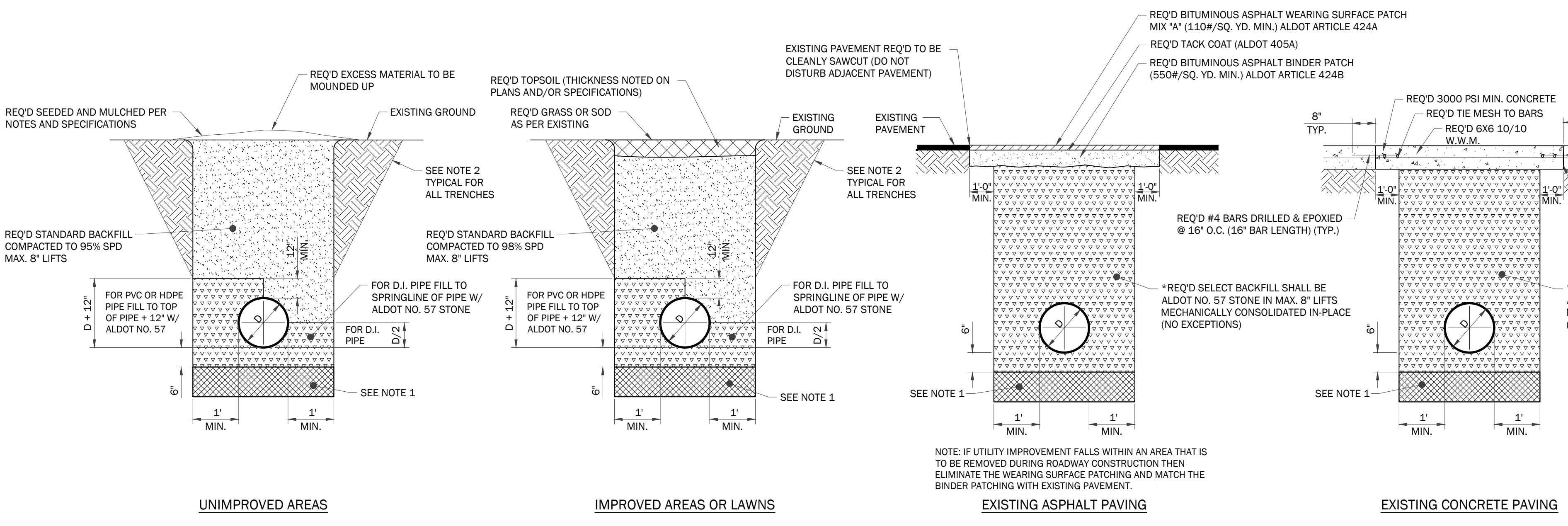
CLEANOUT DETAIL
 NOT TO SCALE



GATE VALVE AND BOX DETAIL
 NOT TO SCALE

THRUST BLOCKING DETAILS & NOTES
 NOT TO SCALE

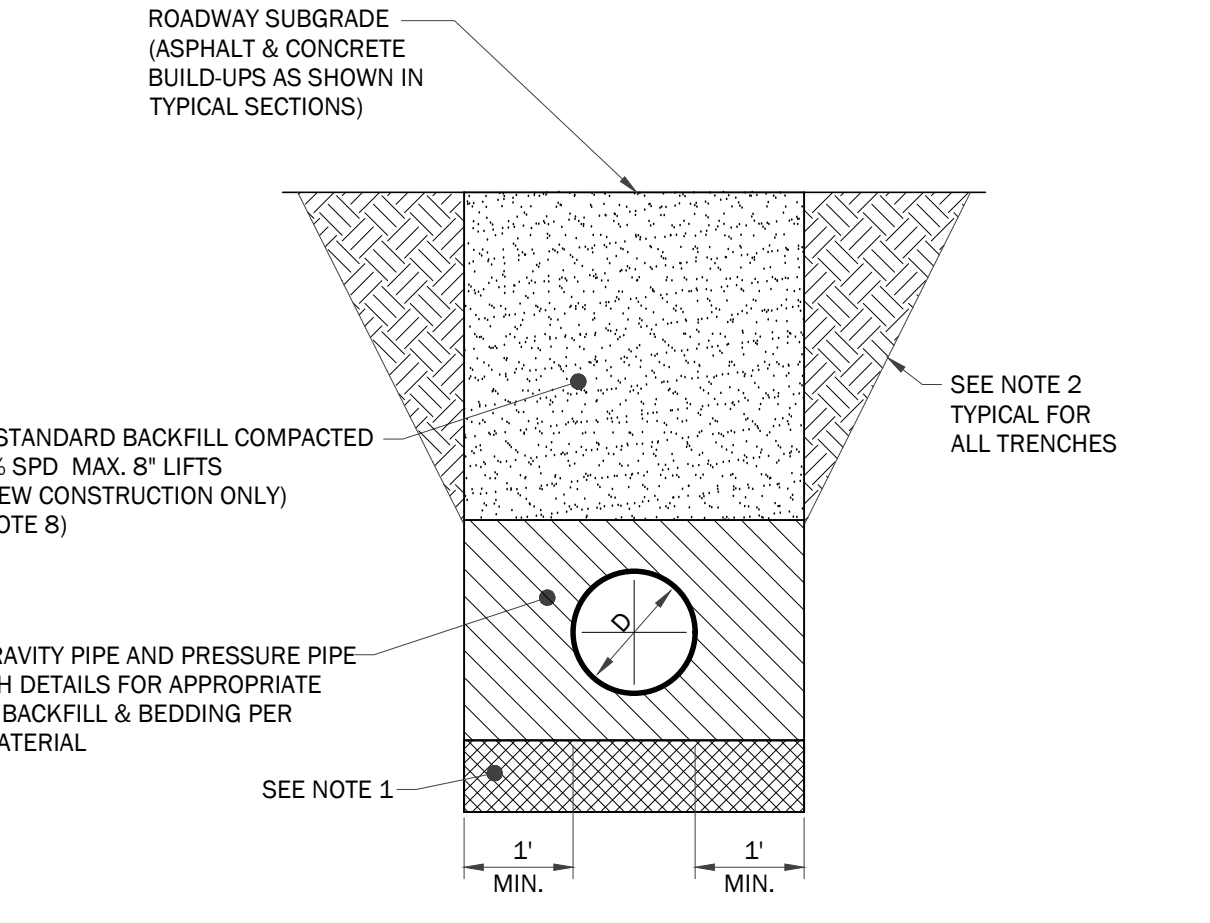
- THRUST BLOCKING SHALL BE POURED AGAINST UNDISTURBED EARTH.
- CONCRETE SHALL BE KEPT CLEAR OF JOINT AND JOINT ACCESSORIES.
- BEARING AREA OF THRUST BLOCKS ARE BASED ON 150 PSI TEST PRESSURE AND AN ALLOWABLE SOIL BEARING OF 2000 PSI. BEARING AREAS VALUES SHALL BE ADJUSTED IF THE SPECIFICATIONS REQUIRE A DIFFERENT TEST PRESSURE OR ALLOWABLE SOIL BEARING. PROVIDE ADDITIONAL AREA IF DICTATED BY THE CONDITIONS ACTUALLY ENCOUNTERED.
- ANY SPECIAL THRUST BLOCKING DETAILED ON THE PLANS SHALL SUPERSEDE THIS DETAIL.
- VERTICAL BENDS THAT REQUIRE A THRUST BLOCK VOLUME GREATER THAN 5 C.Y. REQUIRE SPECIAL BLOCKING DETAILS.
- ALL PRESSURE PIPE 3 INCHES IN DIAMETER AND OVER SHALL BE PROVIDED WITH CONCRETE THRUST RESTRAINTS.



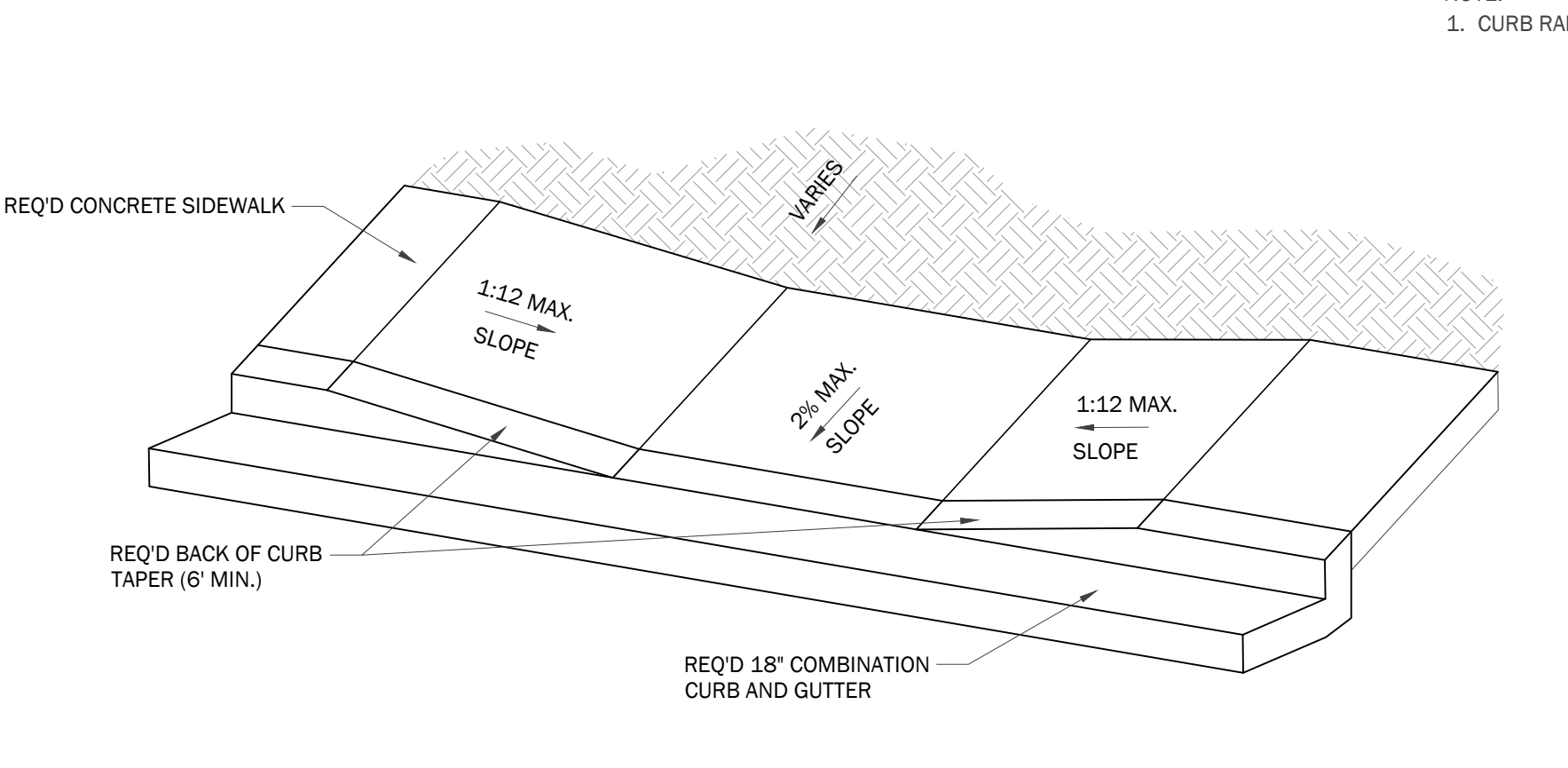
TRENCH DETAILS
 NOT TO SCALE

TRENCH DETAIL NOTES

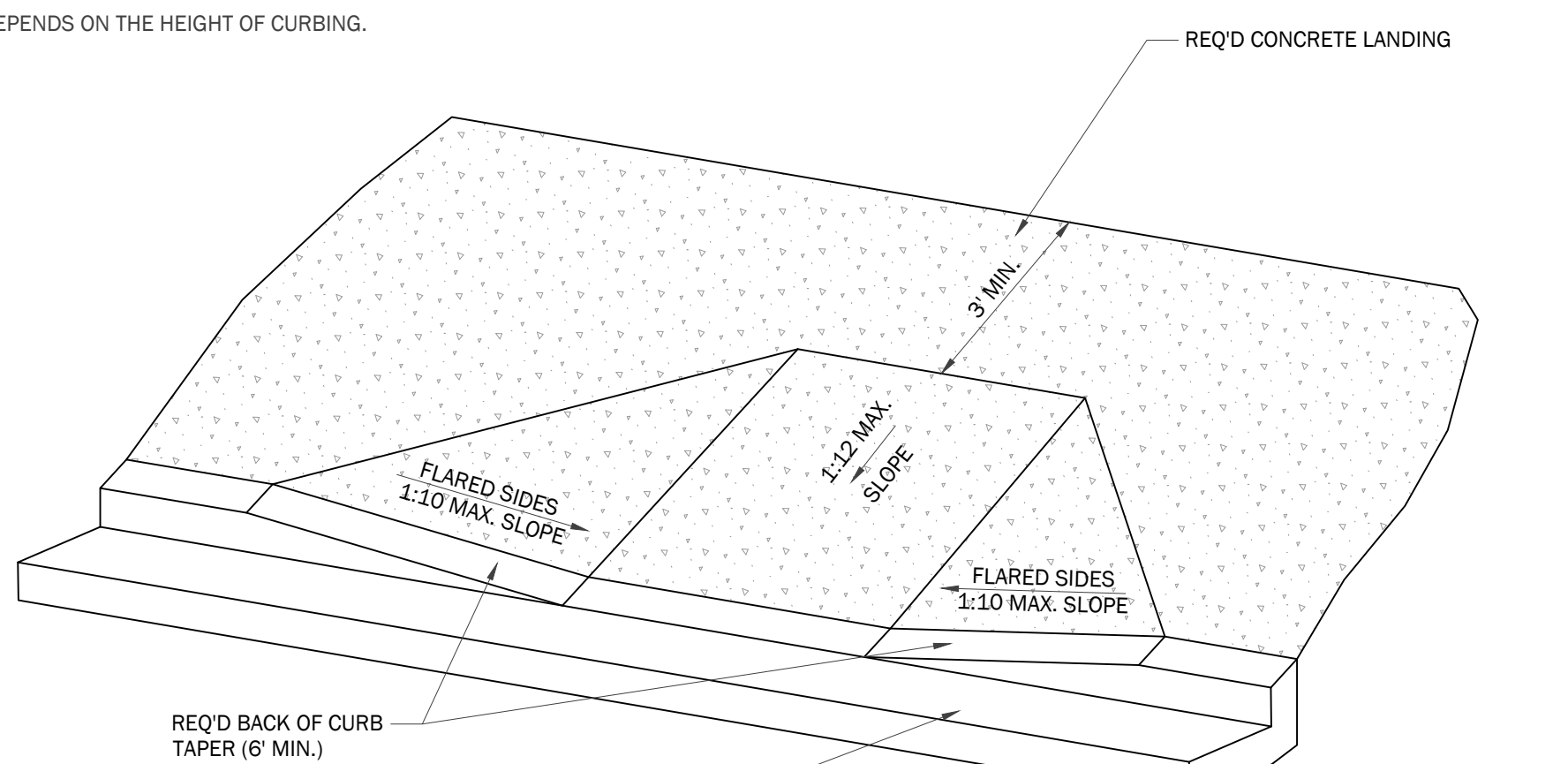
- TRENCH FOUNDATION REQUIRED IF DIRECTED BY THE ENGINEER, DEPTH VARIES.
- THERE IS NO ADDITIONAL PAY FOR TRENCH LAY BACK, BENCHING, SHORING, TRENCH BOXES, ETC. THIS IS CONSIDERED A SUBSIDIARY OBLIGATION TO THE UTILITY INSTALLATION.
- THE CONTRACTOR SHALL MECHANICALLY CONSOLIDATE ALL STONE BACKFILL IN MAXIMUM 8" LIFTS AS NOTED. FAILURE TO DO SO SHALL RESULT IN THE STONE BEING REMOVED/REINSTALLED AT THE CONTRACTOR'S EXPENSE OR ONLY PARTIAL PAYMENT BEING MADE FOR THE BID ITEM. STONE SHALL BE PLACED IN APPROPRIATE THICKNESS AND COMPACTED IN THE FOLLOWING SEQUENCE:
 - BEDDING (6" MIN.)
 - SPRINGLINE OF PIPE
 - ONE FOOT ABOVE TOP OF PIPE
 - 8" LIFTS FOR REMAINING TRENCH DEPTH
- UNIMPROVED AREAS SHALL BE CONSIDERED AREAS WHERE NO PREVIOUS DEVELOPMENT HAS OCCURRED AND THE AREA IS NOT MAINTAINED REGULARLY SUCH AS A WOODED/FORESTED AREA OR OPEN FIELD.
- IMPROVED AREAS OR LAWNS SHALL BE CONSIDERED AREAS WHERE REGULAR MAINTENANCE OCCURS SUCH AS IN PUBLIC RIGHT-OF-WAYS AND ON PRIVATE PROPERTIES. SETTLEMENT OF ANY KIND IN THESE AREAS IS UNACCEPTABLE AND MAXIMUM EFFORT SHALL BE GIVEN TO ENSURE THE IMPROVED/LANDSCAPE AREAS ARE RETURNED TO THEIR PREVIOUS STATE, UNLESS FURTHER IMPROVED BY THE PROJECT.
- PAVEMENT AREAS (ASPHALT OR CONCRETE) SHALL BE CONSIDERED ANY ROADWAY, DRIVE, SIDEWALK, PARKING LOTS, SIDEWALKS, ETC. WHERE THE EXISTING OR FINAL FINISH GRADE IS AN ASPHALT OR CONCRETE SURFACE.
 - IN AREAS OF EXISTING PAVEMENT, THE TRENCH SHALL BE BACKFILLED COMPLETELY WITH STONE AS SHOWN ON THE EXISTING PAVEMENT TRENCH DETAILS. THESE AREAS INCLUDE CROSSING OF EXISTING ROADWAYS, PARKING LOTS, SIDEWALKS, ETC., AND ARE AREAS WHERE EXCAVATED WIDTHS DO NOT ALLOW FOR COMPACTED AND TESTING OF STANDARD BACKFILL. THESE CONFINED AREAS TYPICALLY CANNOT BE BENCHING BACK AND REQUIRE TALLER TRENCH BOXES TO MAINTAIN OSHA REQUIREMENTS.
 - IN THE EVENT THAT THE EXISTING PAVEMENT AREA IS BEING COMPLETELY REMOVED TO A LIMIT THAT PROVIDES SUFFICIENT SPACE TO ALLOW PROPER VIBRATORY EQUIPMENT AND, IF NECESSARY, BENCHING OF SIDE SLOPES AS REQUIRED IN THE PROJECT EARTHWORK SPECIFICATIONS (BENCHING IS REQUIRED ON SLOPES GREATER THAN 4:1 SLOPE). THEN THE CONTRACTOR MAY FOLLOW THE TRENCH DETAIL FOR PAVED AREAS (NEW CONSTRUCTION). THIS DETAIL ALLOWS FOR THE USE OF EARTHEN BACKFILL AND WOULD ALSO REQUIRE THE CONTRACTOR TO ALLOW SUFFICIENT WIDTH THAT THE OWNER'S GEOTECHNICAL REPRESENTATIVE COULD TAKE PERIODIC COMPACTION TESTS. IF THE CONTRACTOR IS UNSURE OF WHERE STONE OR EARTHEN BACKFILL IS TO BE INSTALLED ON A PROSPECTIVE PROJECT, THEN THEY SHALL REQUEST CLARIFICATION DURING THE BIDDING OF THE PROJECT. THERE SHALL BE NO CLAIMS CONSIDERED AFTER THE PROJECT HAS BEEN BID.



TRENCH DETAIL - PAVED SURFACES (NEW CONSTRUCTION)
 NOT TO SCALE



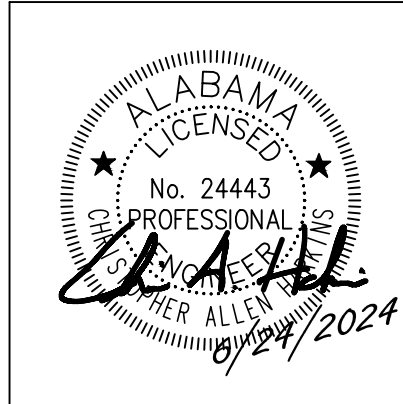
INLINE ADA RAMP DETAIL
 NOT TO SCALE



FLARED ADA RAMP DETAIL
 NOT TO SCALE

NOTE:
 1. CURB RAMP LENGTH DEPENDS ON THE HEIGHT OF CURBING.

ELEMENTARY ADDITION TO
SUMNER CENTRAL HIGH SCHOOL
 13878 US HIGHWAY 11, YORK, AL 38925
 SUMNER COUNTY BOARD OF EDUCATION



SHEET TITLE:
 CIVIL DETAILS

PROJ. MGR.: LBH
 DRAWN: CAH
 DATE: JUNE 24, 2024
 REVISIONS:

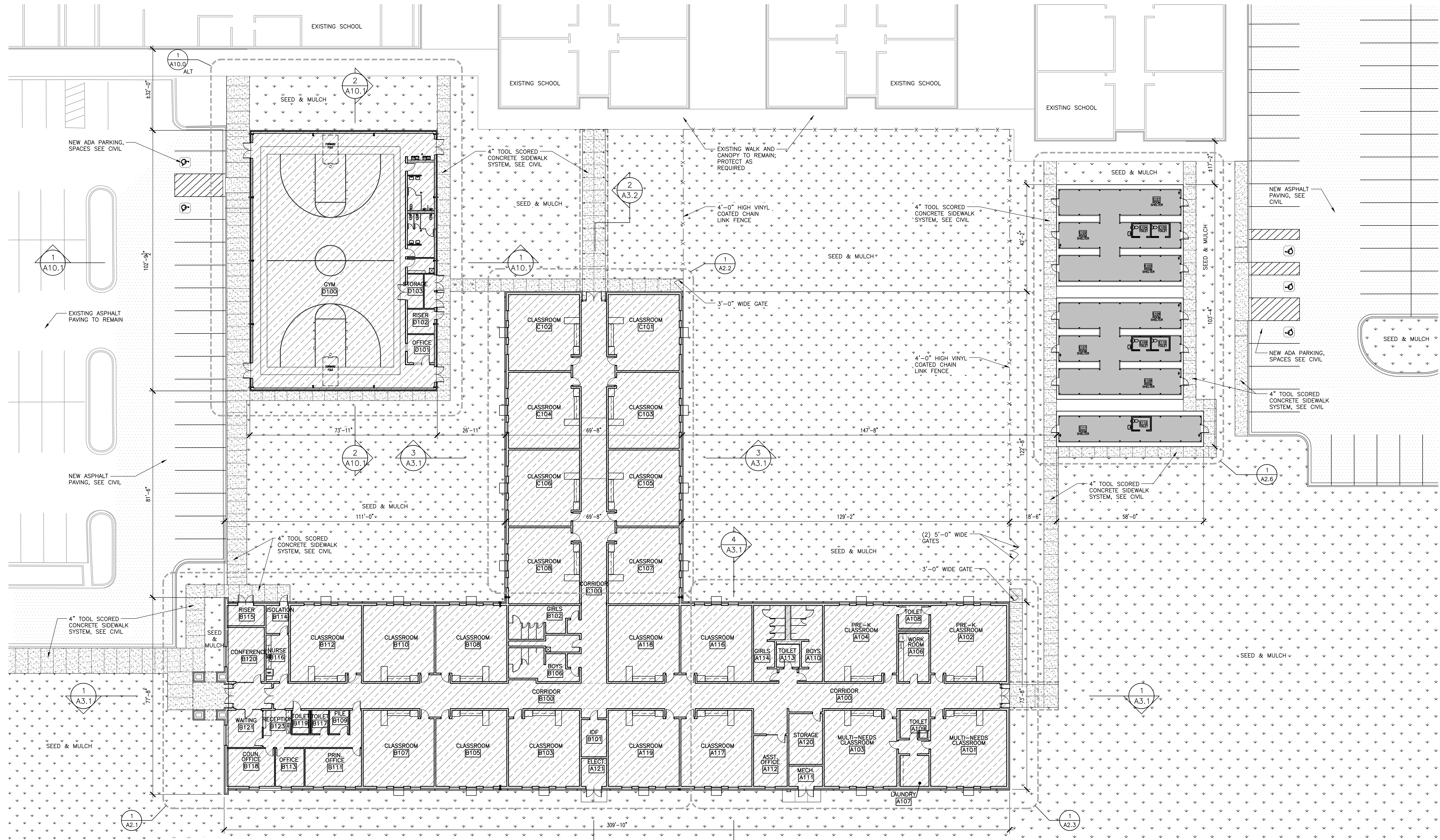
JOB NO. 24-38

SHEET NO:

C6.1

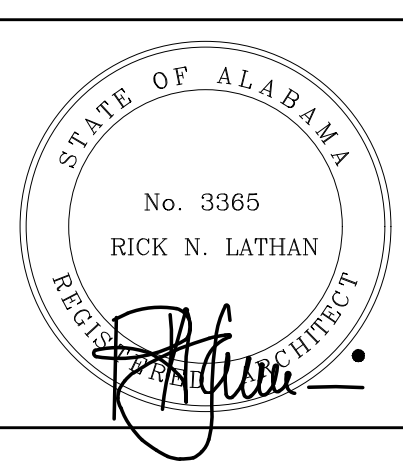
9 OF 9
 1" = 2'

GENERAL SITE PLAN LEGEND	
	NEW BUILDINGS
	NEW ASPHALT PAVING SYSTEM, SEE CIVIL
	NEW CONCRETE PAVING SYSTEM, SEE CIVIL
	NEW SEED & MULCH



1 ARCHITECTURAL MASTER PLAN
SCALE: 1/16" = 1'-0"

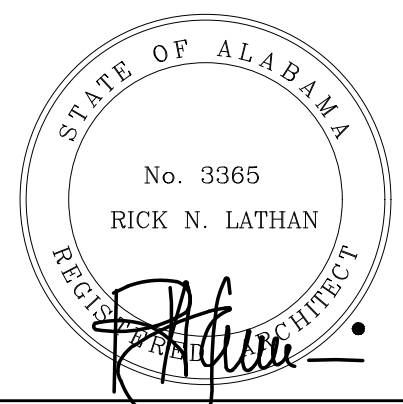
ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION



SHEET TITLE:
ARCHITECTURAL MASTER PLAN

PROJ. MGR.: R. VERNON
DRAWN: JWW
DATE: 6/24/2024
REVISIONS:

JOB NO. **24-38**
SHEET NO.
A1.0
1 OF 27



SHEET TITLE:
PARTIAL FLOOR PLAN - AREA A

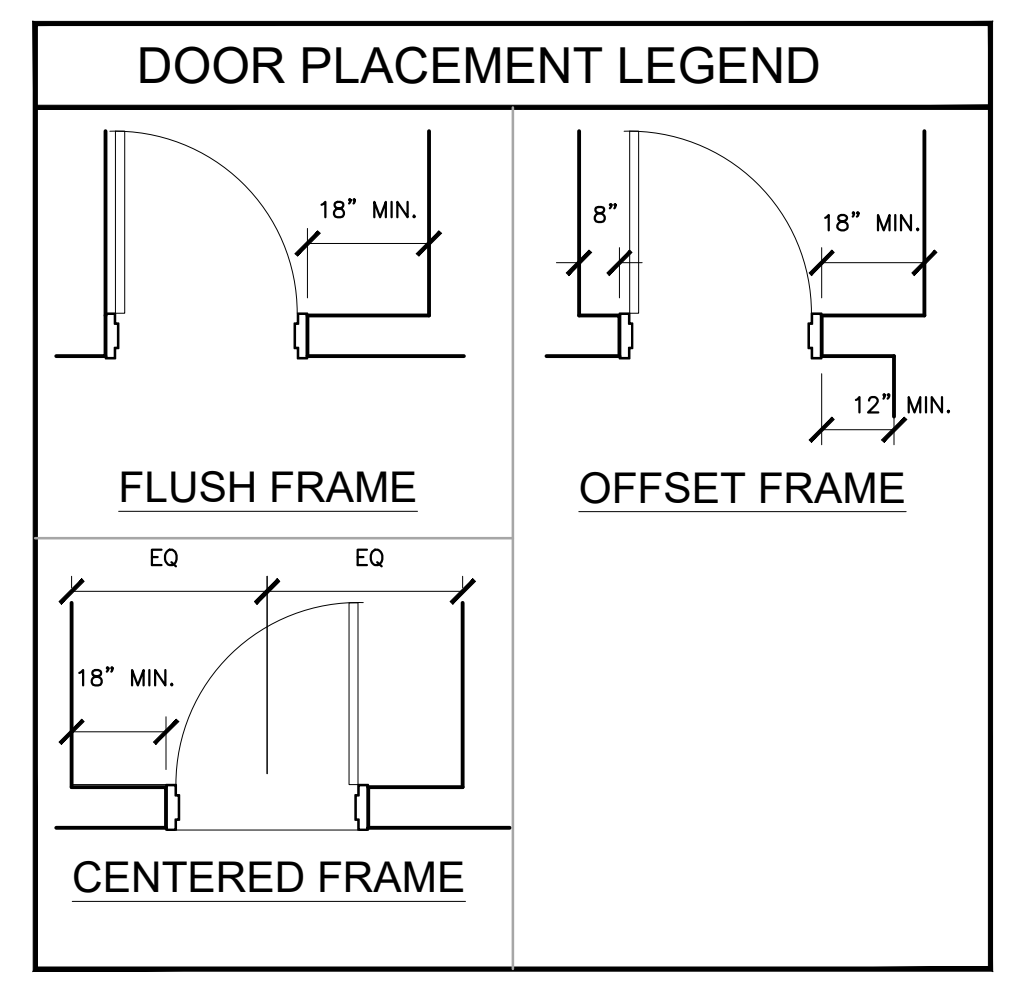
PROJ. MGR.: R. VERNON
DRAWN: JWW
DATE: 6/24/2024
REVISIONS:

JOB NO. **24-38**

SHEET NO:
A2.1

2 OF 27

WALL TYPE LEGEND	
	NEW 4" BRICK VENEER W/ AIR SPACE AND RIGID INSULATION ON REINFORCED CMU WITH DAMPPROOFING. PROVIDE BRICK WALL TIES @ 16" O.C.
	8" CONCRETE MASONRY WALL. SEE LIFE SAFETY PLAN FOR FIRE RATING.
	EXISTING WALL TO REMAIN
	SOUND ATTENUATION



DOOR FIRE RATING LEGEND	
DOOR TYPE (2)	NO RATING
DOOR TYPE + S (2S)	SMOKE RATING

GENERAL NOTES

EXTEND & KEY ALL WALLS TO BOTTOM OF TRUSS BEARING. SEE LIFE SAFETY DRAWINGS FOR RATED WALL LOCATIONS.

COORDINATE W/ ELECTRICAL & MECHANICAL AND PROVIDE CONCRETE EQUIPMENT PAD AS REQUIRED

SEE ELEVATIONS AND ROOF PLAN FOR DOWNSPOUT LOCATIONS

SEE CIVIL DRAWINGS FOR CONTINUATION OF SIDEWALKS

ALL PLAN DIMENSIONS ARE TO FACE OF CMU AND TO OUTSIDE OF BRICK UNLESS NOTED OTHERWISE

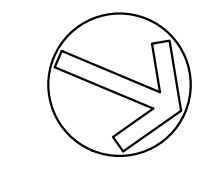
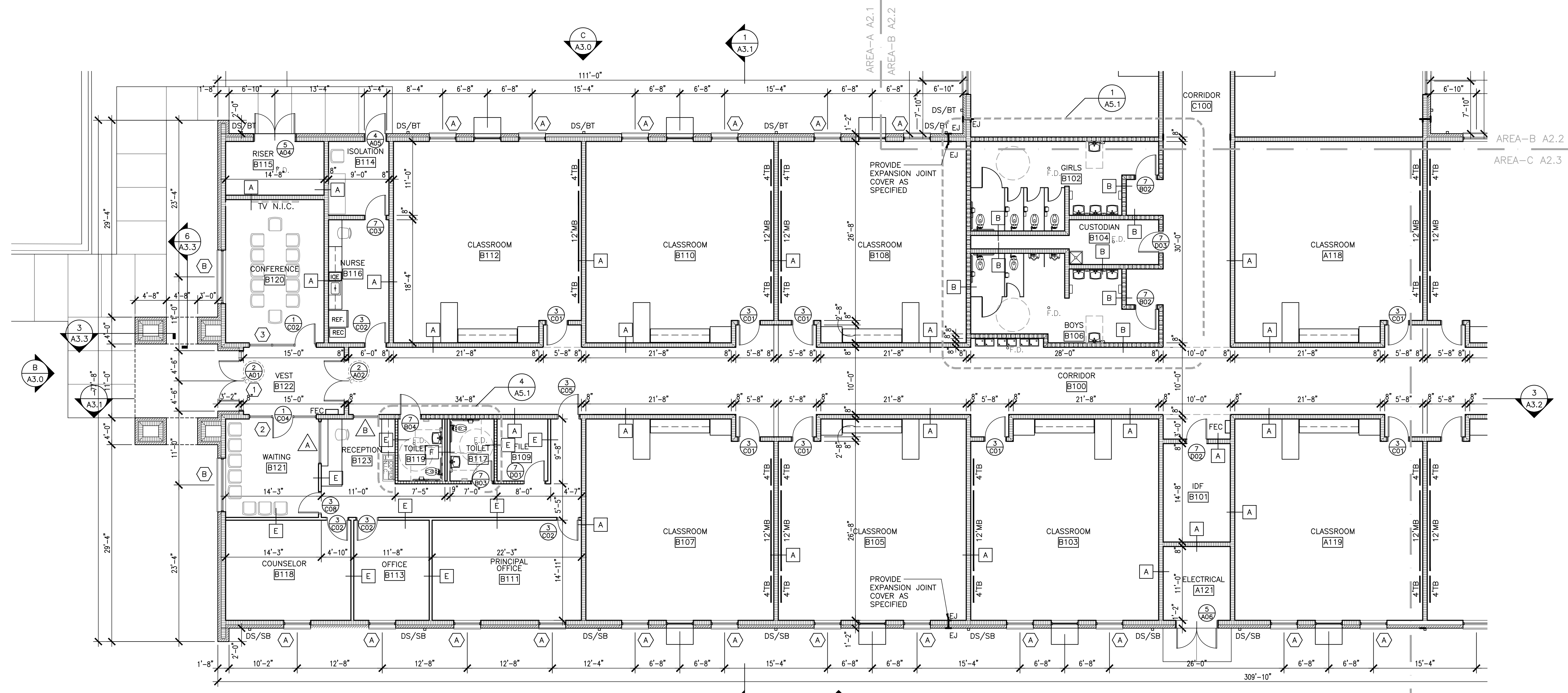
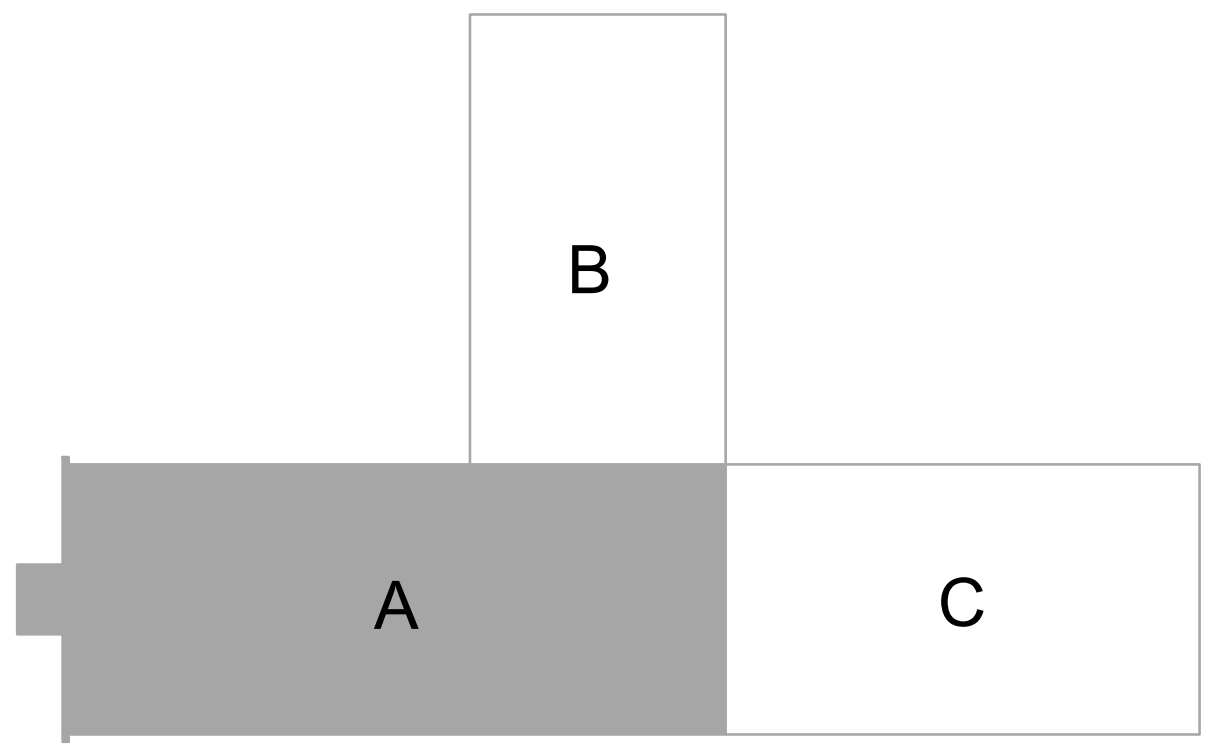
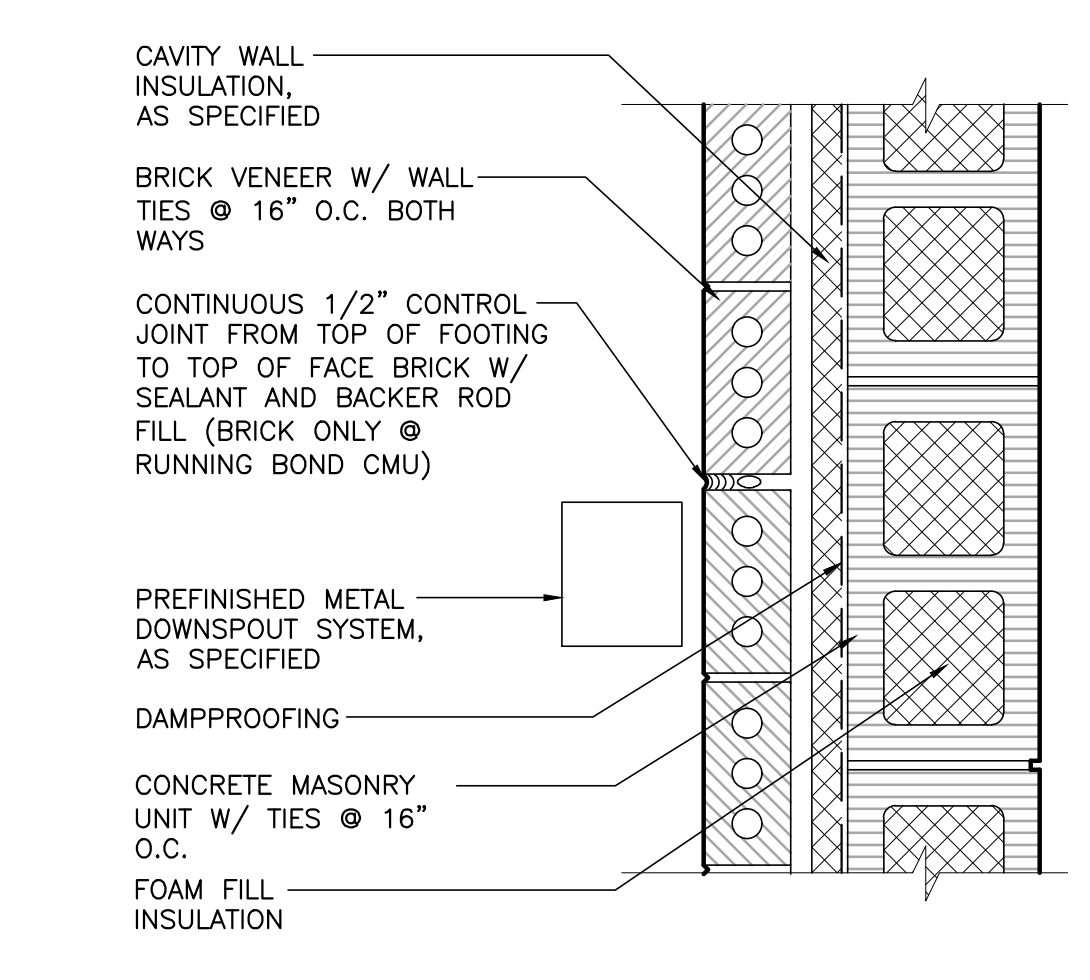
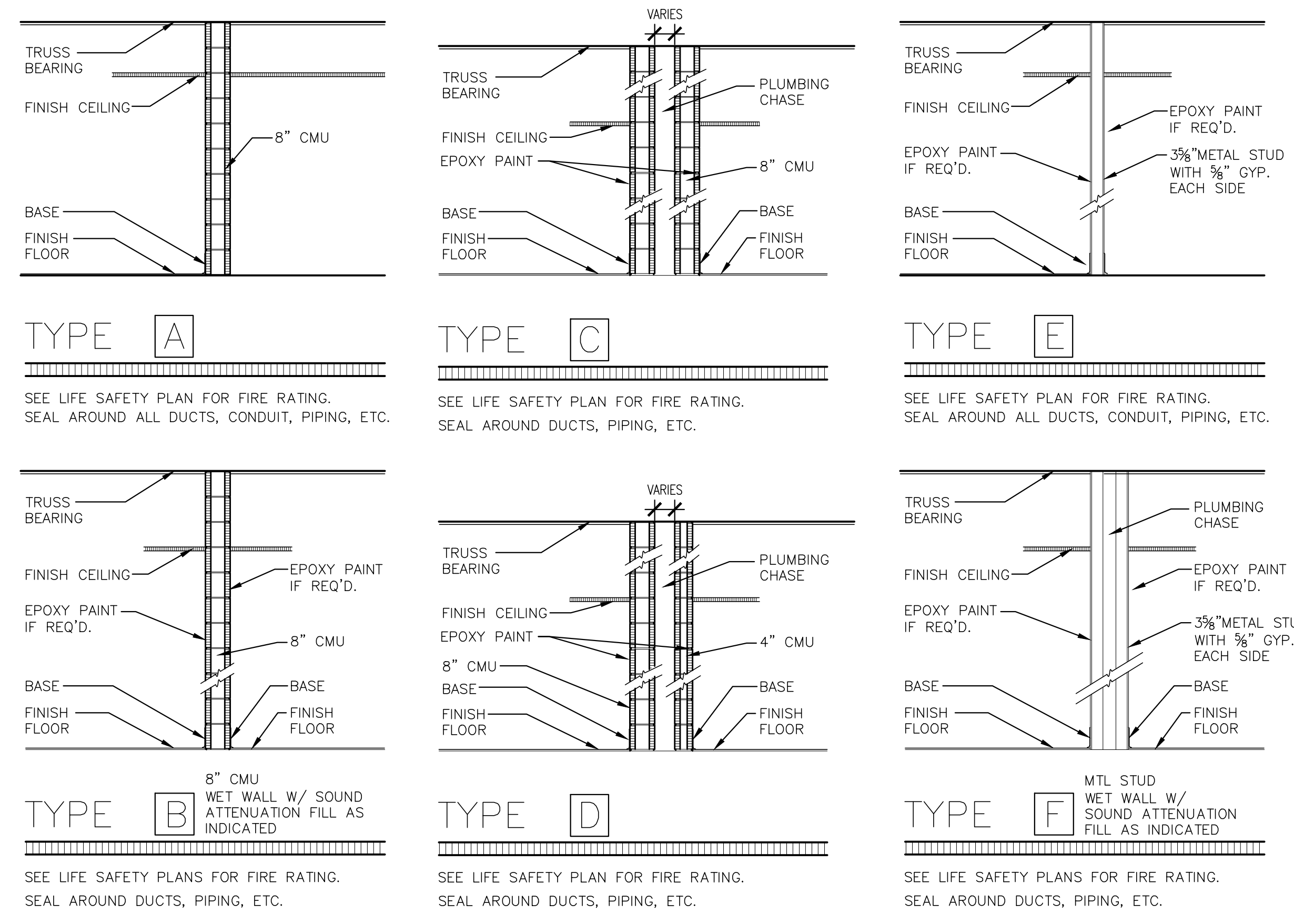
WINDOWS ARE DIMENSIONED TO THE CENTER LINE

SLOPE ALL SIDEWALKS AWAY FROM THE BUILDING

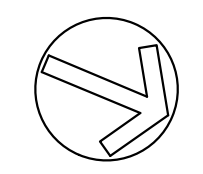
DOWNSPOUTS SHALL BE PROVIDED WITH BOOTS AND 4" DIAMETER LEADER PIPING EXTENDED AND TIED INTO STORM DRAINAGE SYSTEM WHERE INDICATED

SLOPE FINISH FLOOR TO FLOOR DRAINS. SEE PLUMBING FOR LOCATIONS OF FLOOR DRAINS.

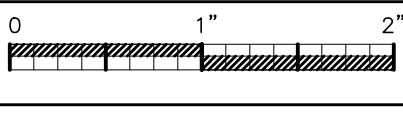
SYMBOLS LEGEND	
	DOOR TYPE
	DOOR RATING
	HARDWARE SYMBOL
	ACCESS CONTROL
	ELEV. MARK
	SHEET NUMBER
	NEW DOOR AND SWING
	ELECTRIC WATER COOLER
	TACK BOARD
	MARKER BOARD
	RECESSED FIRE EXTINGUISHER CABINET WITH EXTINGUISHER
	ROOM NUMBER
	EXPANSION JOINT
	SURFACE MOUNT FIRE EXTINGUISHER
	DOWNSPOUT
	SPLASHBLOCK
	BOOT
	WALL PARTITION TYPE - ASSUME TYPE 'A' UNLESS NOTED OTHERWISE
	EXTERIOR WINDOW
	STOREFRONT
	INTERIOR WINDOW
	FIELD VERIFY
	AREA OF CONCRETE
	FLOOR DRAIN
	CONTROL JOINT



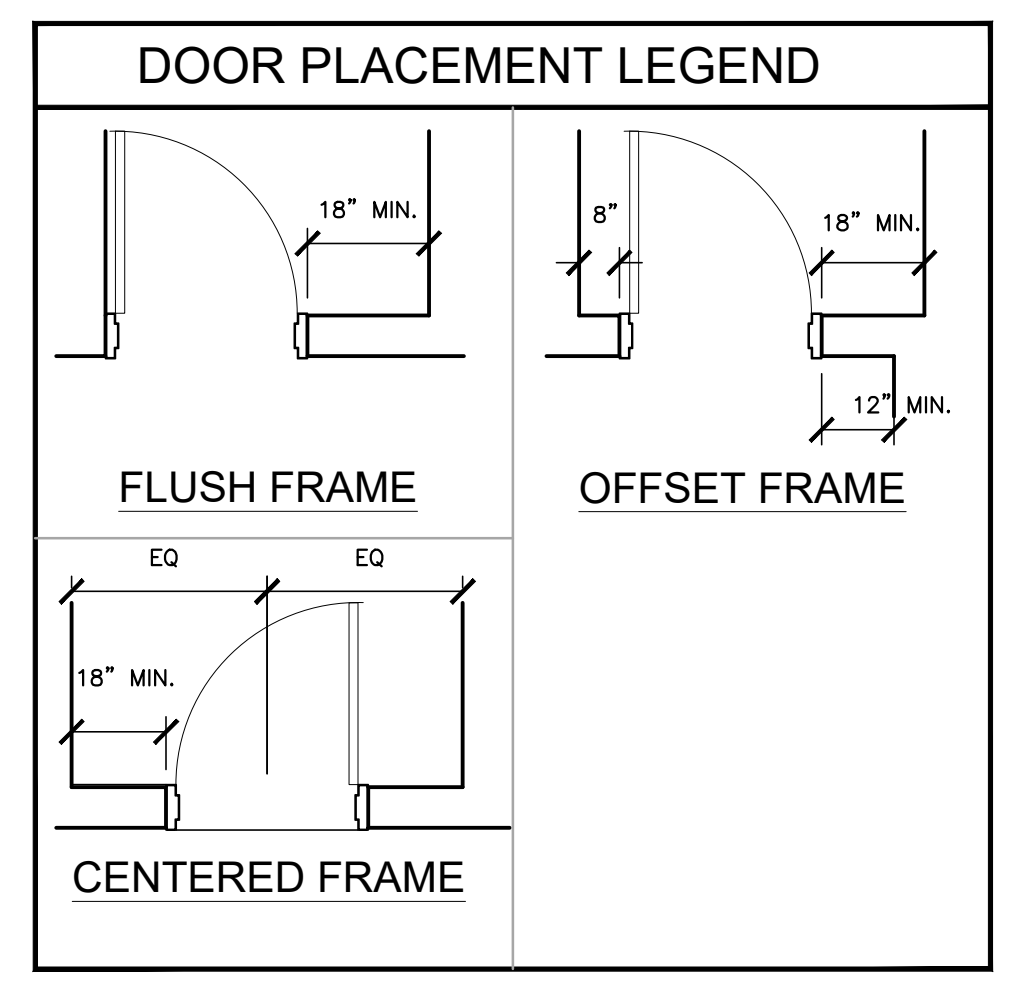
KEY PLAN
SCALE: N.T.S.



1 PARTIAL FLOOR PLAN AREA 'A'
SCALE: 1/8" = 1'-0"



WALL TYPE LEGEND	
	NEW 4" BRICK VENEER W/ AIR SPACE AND RIGID INSULATION ON REINFORCED CMU WITH DAMPROOFING. PROVIDE BRICK WALL TIES @ 16" O.C.
	8" CONCRETE MASONRY WALL. SEE LIFE SAFETY PLAN FOR FIRE RATING.
	EXISTING WALL TO REMAIN
	SOUND ATTENUATION



DOOR FIRE RATING LEGEND	
DOOR TYPE (2)	NO RATING
DOOR TYPE + S (2S)	SMOKE RATING

GENERAL NOTES

EXTEND & KEY ALL WALLS TO BOTTOM OF TRUSS BEARING. SEE LIFE SAFETY DRAWINGS FOR RATED WALL LOCATIONS.

COORDINATE W/ ELECTRICAL & MECHANICAL AND PROVIDE CONCRETE EQUIPMENT PAD AS REQUIRED

SEE ELEVATIONS AND ROOF PLAN FOR DOWNSPOUT LOCATIONS

SEE CIVIL DRAWINGS FOR CONTINUATION OF SIDEWALKS

ALL PLAN DIMENSIONS ARE TO FACE OF CMU AND TO OUTSIDE OF BRICK UNLESS NOTED OTHERWISE

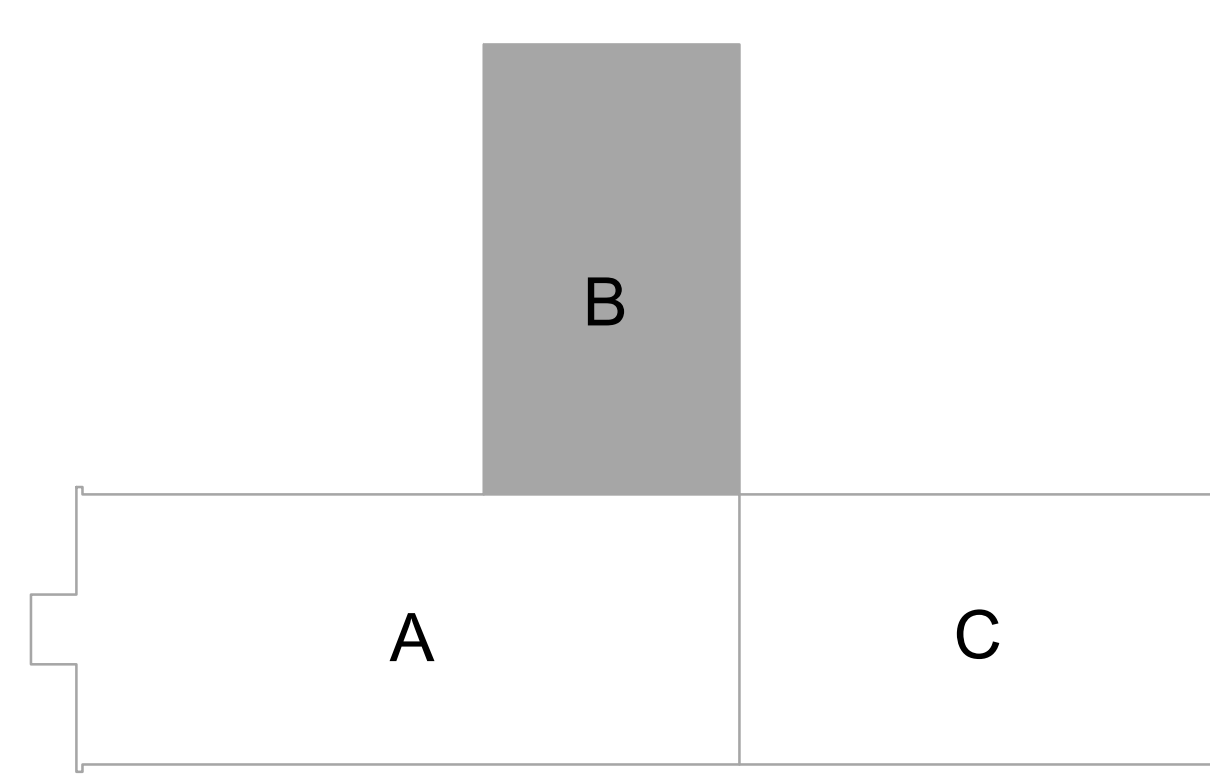
WINDOWS ARE DIMENSIONED TO THE CENTER LINE

SLOPE ALL SIDEWALKS AWAY FROM THE BUILDING

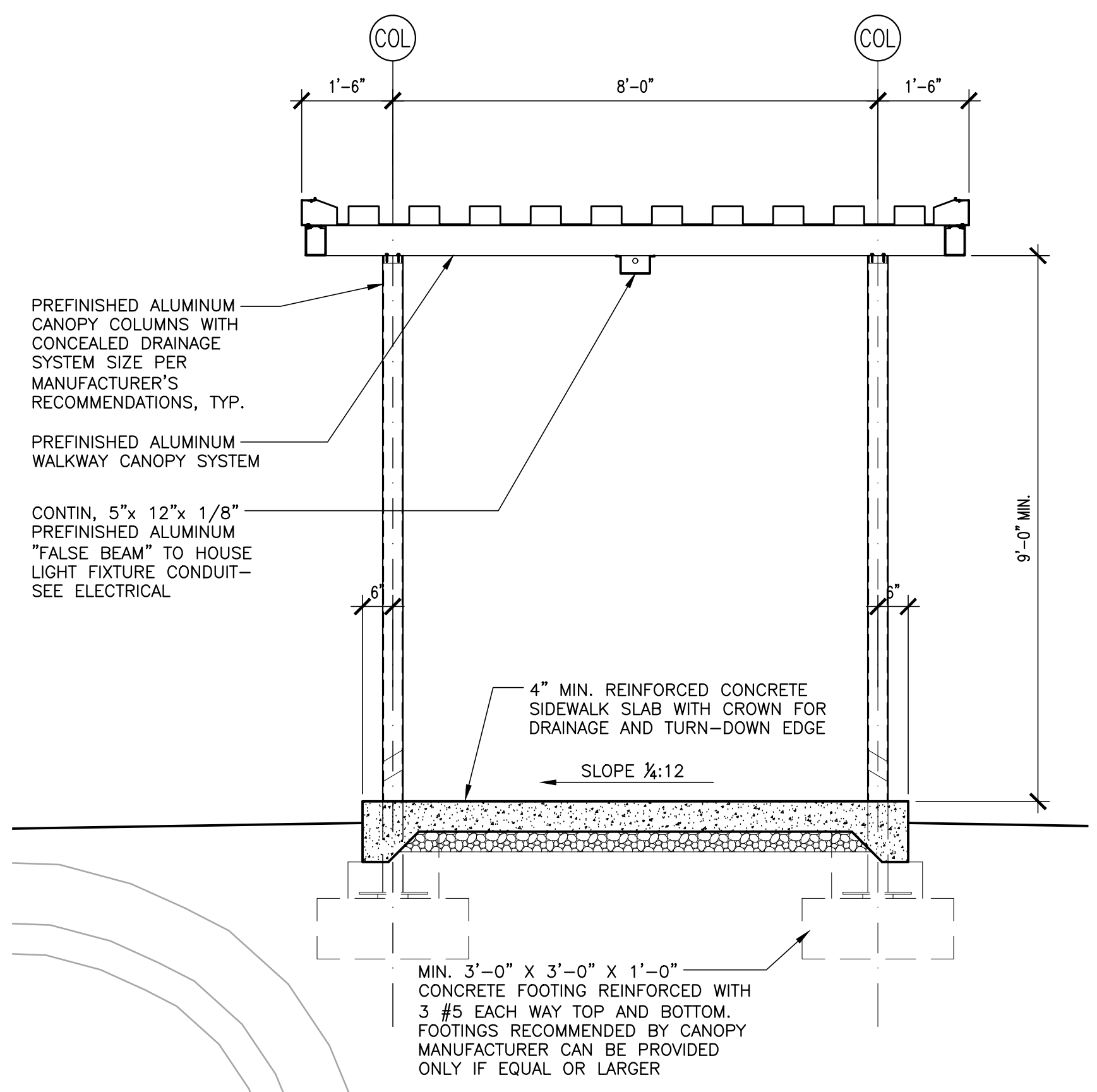
DOWNSPOUTS SHALL BE PROVIDED WITH BOOTS AND 4" DIAMETER LEADER PIPING EXTENDED AND TIED INTO STORM DRAINAGE SYSTEM WHERE INDICATED

SLOPE FINISH FLOOR TO FLOOR DRAINS. SEE PLUMBING FOR LOCATIONS OF FLOOR DRAINS.

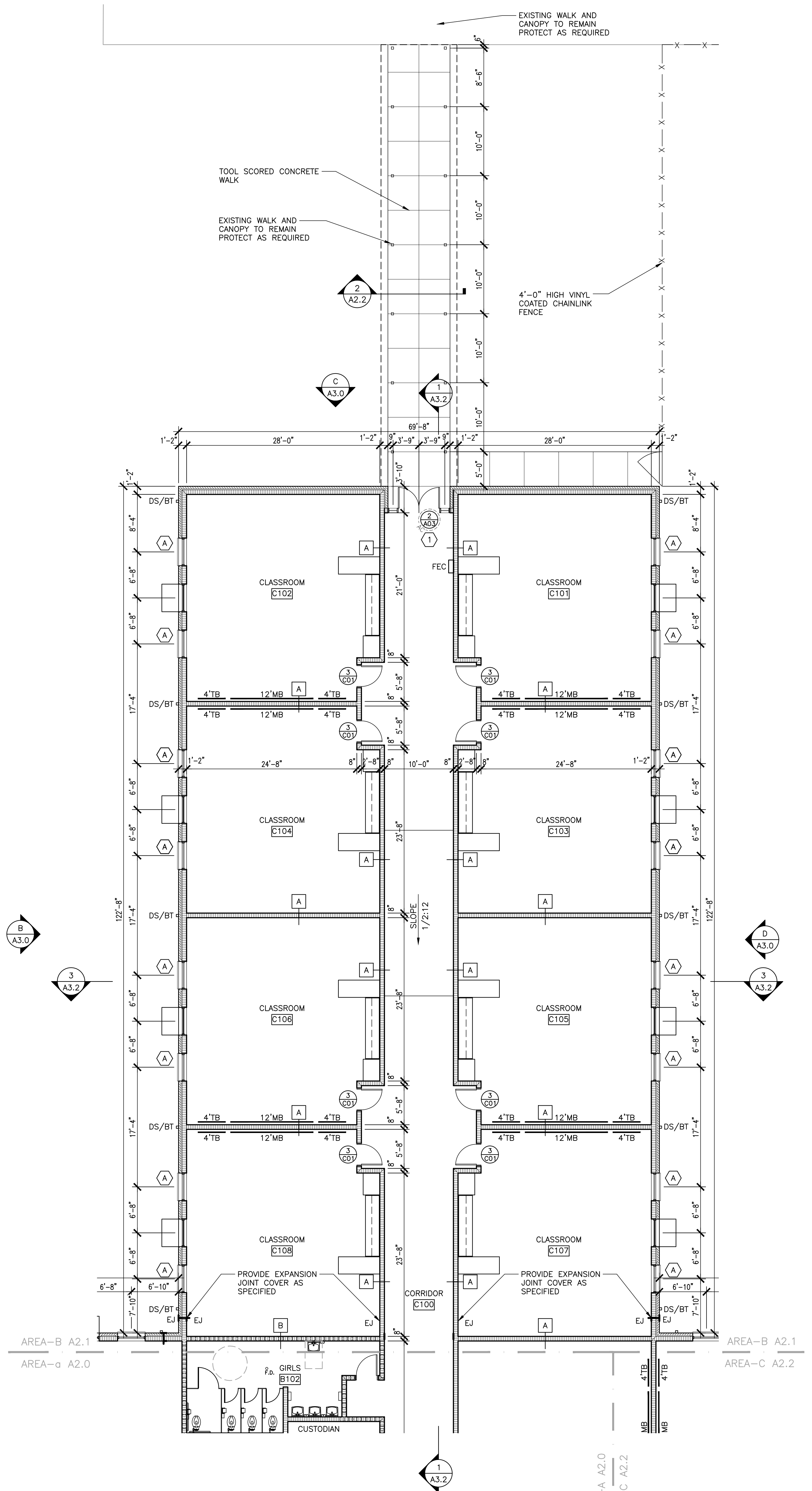
SYMBOLS LEGEND	
	DOOR TYPE
	DOOR RATING
	HARDWARE SYMBOL
	ACCESS CONTROL
	ELEV. MARK
	SHEET NUMBER
	NEW DOOR AND SWING
	ELECTRIC WATER COOLER
	TACK BOARD
	MARKER BOARD
	RECESSED FIRE EXTINGUISHER CABINET WITH EXTINGUISHER
	ROOM NUMBER
	EXPANSION JOINT
	SURFACE MOUNT FIRE EXTINGUISHER
	DOWNSPOUT
	SPLASHBLOCK
	BOOT
	DOOR TYPE
	DOOR RATING
	HARDWARE SYMBOL
	ACCESS CONTROL
	ELEV. MARK
	SHEET NUMBER
	INT. ELEVATION
	WALL PARTITION TYPE - ASSUME TYPE 'A' UNLESS NOTED OTHERWISE
	EXTERIOR WINDOW
	STOREFRONT
	INTERIOR WINDOW
	FIELD VERIFY
	AREA OF CONCRETE
	FLOOR DRAIN
	CONTROL JOINT



KEY PLAN
SCALE: N.T.S.

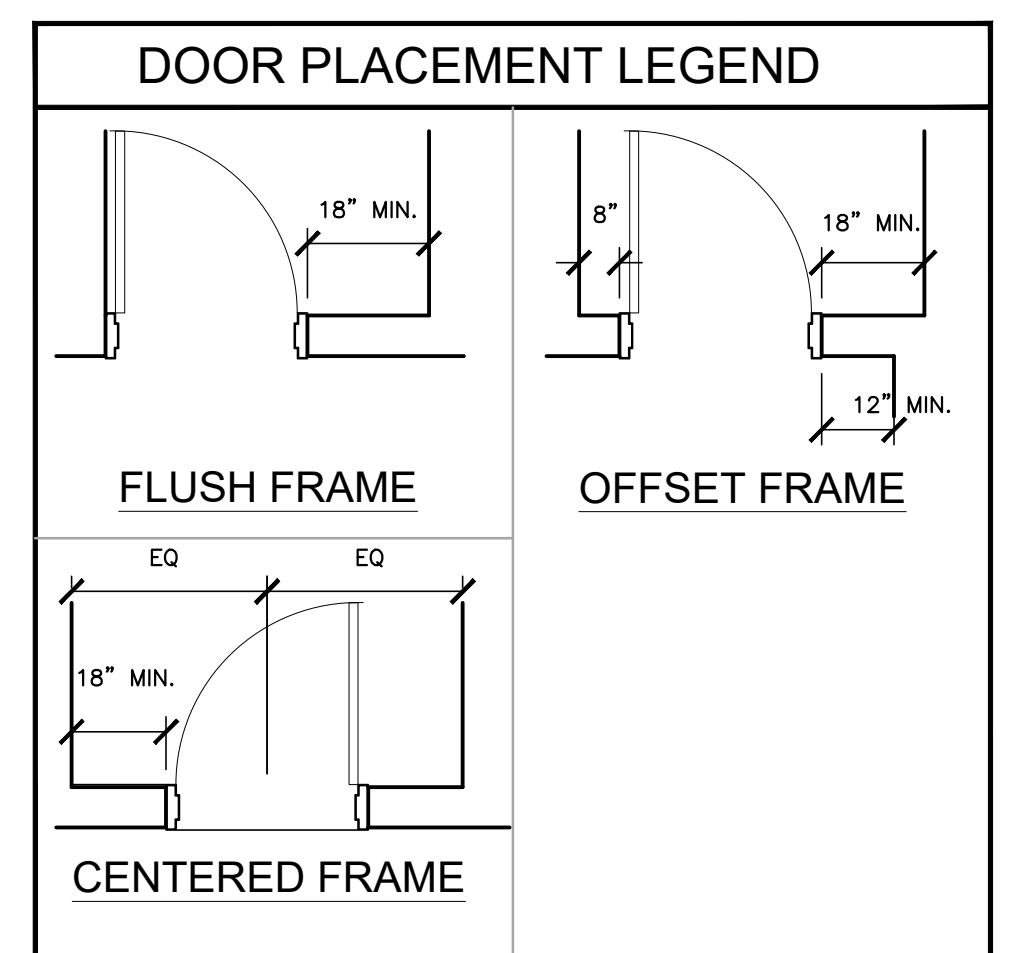


2 CONNECTOR CANOPY SECTION
SCALE: 1/2" = 1'-0"



1 PARTIAL FLOOR PLAN - AREA B
SCALE: 1/8" = 1'-0"

WALL TYPE LEGEND	
	NEW 4" BRICK VENEER W/ AIR SPACE AND RIGID INSULATION ON REINFORCED CMU WITH DAMPPROOFING. PROVIDE BRICK WALL TIES @ 16" O.C.
	8" CONCRETE MASONRY WALL. SEE LIFE SAFETY PLAN FOR FIRE RATING.
	EXISTING WALL TO REMAIN
	SOUND ATTENUATION



DOOR FIRE RATING LEGEND	
DOOR TYPE (2)	NO RATING
DOOR TYPE + S (2S)	SMOKE RATING

GENERAL NOTES

EXTEND & KEY ALL WALLS TO BOTTOM OF TRUSS BEARING. SEE LIFE SAFETY DRAWINGS FOR RATED WALL LOCATIONS.

COORDINATE W/ ELECTRICAL & MECHANICAL AND PROVIDE CONCRETE EQUIPMENT PAD AS REQUIRED

SEE ELEVATIONS AND ROOF PLAN FOR DOWNSPOUT LOCATIONS

SEE CIVIL DRAWINGS FOR CONTINUATION OF SIDEWALKS

ALL PLAN DIMENSIONS ARE TO FACE OF CMU AND TO OUTSIDE OF BRICK UNLESS NOTED OTHERWISE

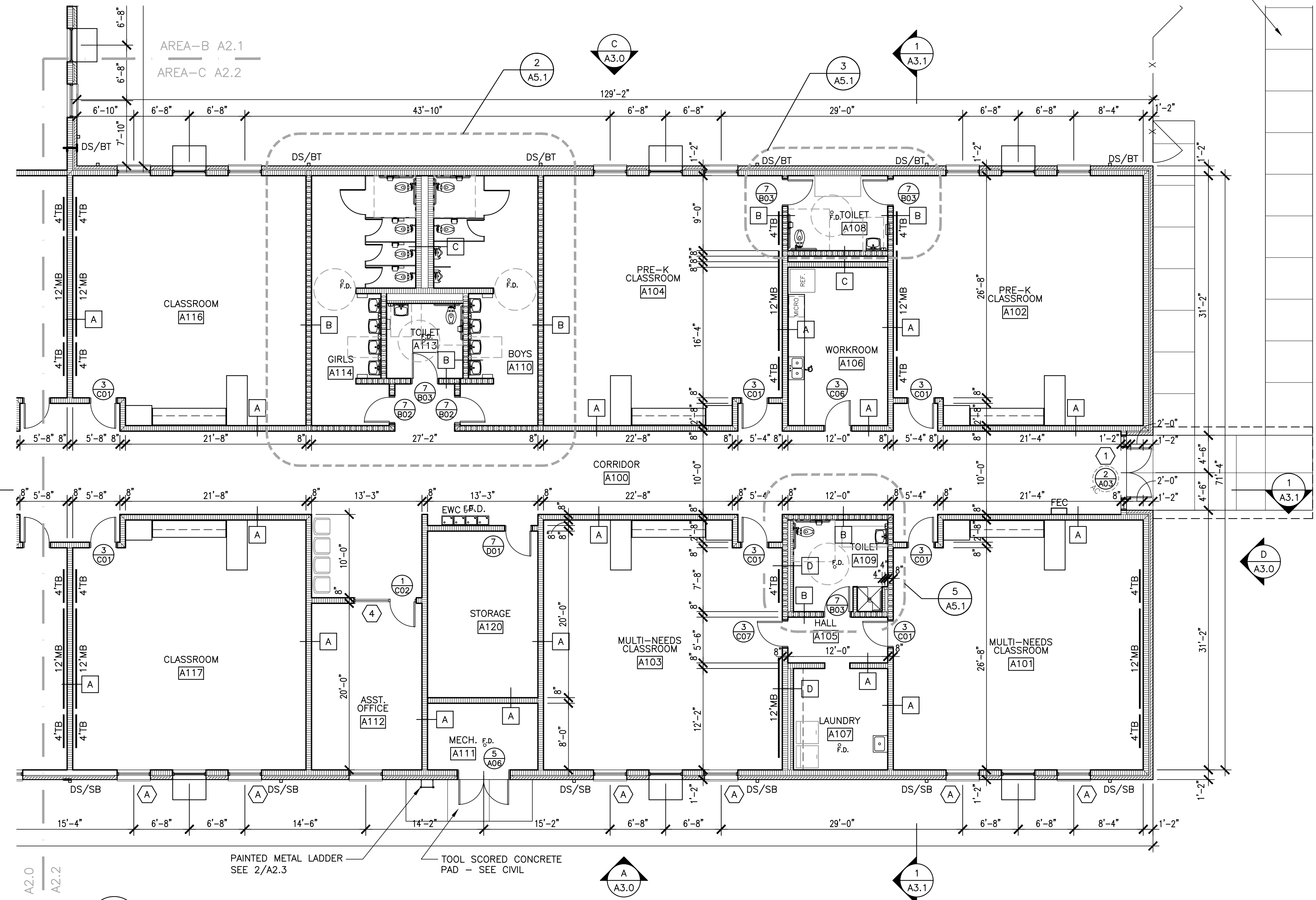
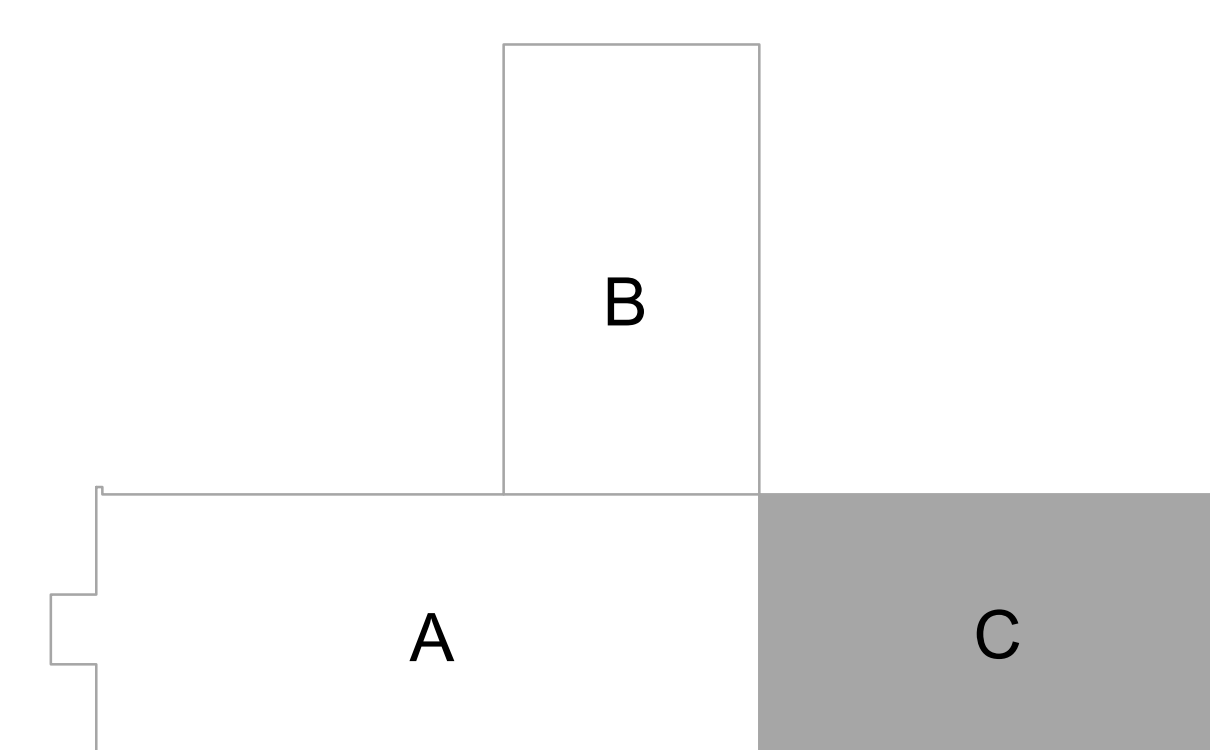
WINDOWS ARE DIMENSIONED TO THE CENTER LINE

SLOPE ALL SIDEWALKS AWAY FROM THE BUILDING

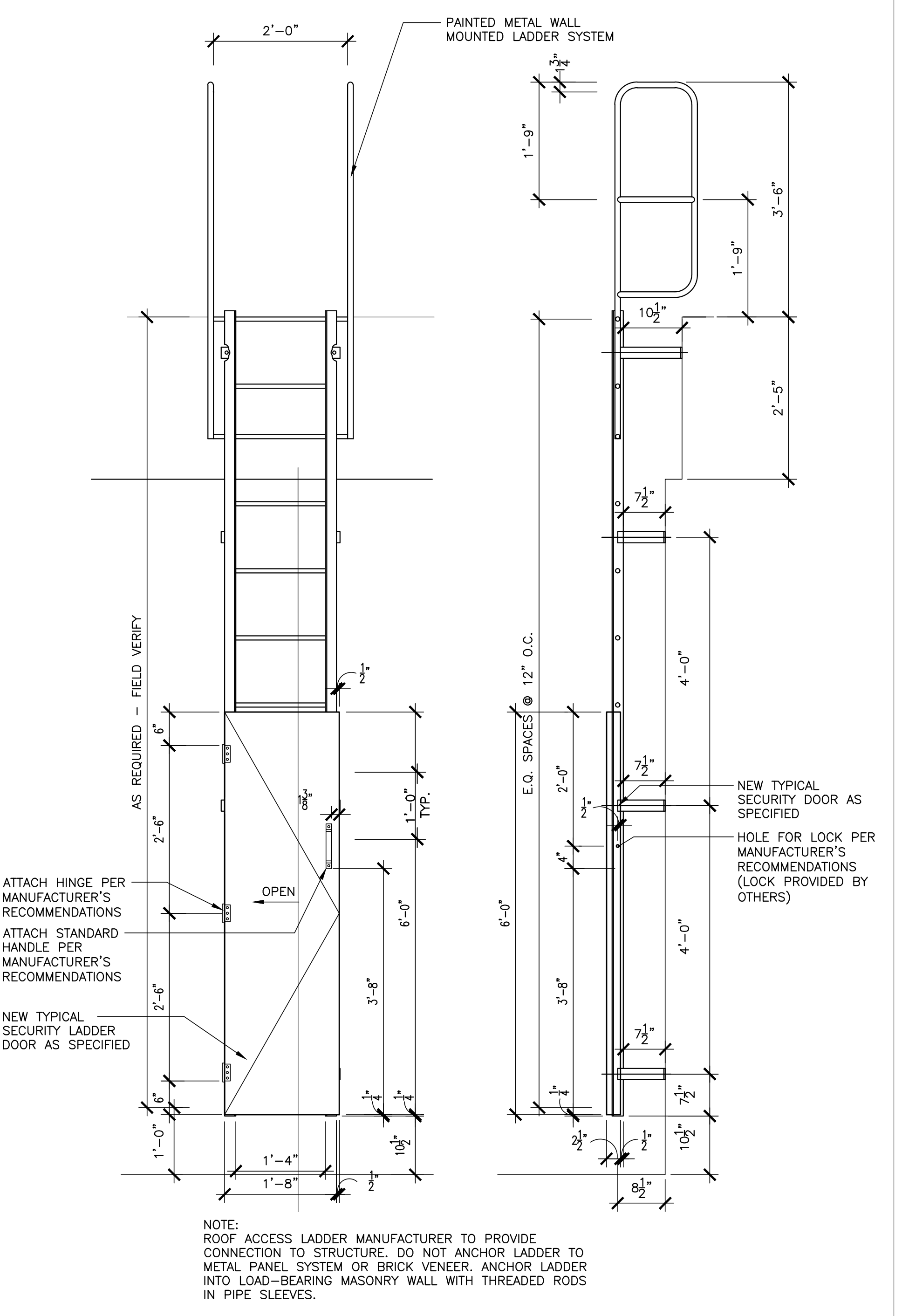
DOWNSPOUTS SHALL BE PROVIDED WITH BOOTS AND 4" DIAMETER LEADER PIPING EXTENDED AND TIED INTO STORM DRAINAGE SYSTEM WHERE INDICATED

SLOPE FINISH FLOOR TO FLOOR DRAINS. SEE PLUMBING FOR LOCATIONS OF FLOOR DRAINS.

SYMBOLS LEGEND	
	DOOR TYPE DOOR RATING
	HARDWARE SYMBOL ACCESS CONTROL
	ELEV. MARK SHEET NUMBER
	SECT. MARK SHEET NUMBER
	NEW DOOR AND SWING
	ELECTRIC WATER COOLER
	TACK BOARD
	MARKER BOARD
	RECESSED FIRE EXTINGUISHER CABINET WITH EXTINGUISHER
	ROOM NUMBER
	EXPANSION JOINT
	SURFACE MOUNT FIRE EXTINGUISHER
	DOWNSPOUT
	SPLASHBLOCK
	BOOT
	WALL PARTITION TYPE ASSUME TYPE 'A' UNLESS NOTED OTHERWISE
	EXTERIOR WINDOW
	STOREFRONT
	INTERIOR WINDOW
	FIELD VERIFY
	AREA OF CONCRETE
	F.D. FLOOR DRAIN
	CONTROL JOINT



AREA-A A2.0
AREA-C A2.2
1 PARTIAL FLOOR PLAN - AREA C
SCALE: 1/8" = 1'-0"



2 ROOF ACCESS LADDER
SCALE: 3/4" = 1'-0"

GENERAL ROOFING NOTES

- DO NOT SCALE DRAWINGS—FIELD VERIFY ALL DIMENSIONS AND CONDITIONS.
- VERIFY ALL BUILDING UTILITIES AND PLUMBING & ELECTRICAL SERVING ROOF TOP EQUIPMENT PRIOR TO START OF WORK. SHOULD EXISTING UTILITIES POSE A SAFETY THREAT OR INTERFERE WITH THE PERFORMANCE OF THE WORK, THE CONTRACTOR SHALL TEMPORARILY REMOVE AND REPLACE, IN SCHEDULED COORDINATION WITH THE BUILDING OWNER, TO PROVIDE WORK IN PROXIMITY AND ENDEAVOR TO MINIMIZE BUILDING UTILITY DOWN-TIME. ROOF-TOP EQUIPMENT SHALL REMAIN FUNCTIONAL PER ORIGINAL CONDITION UPON COMPLETION OF THE WORK.
- NEW WORK SHALL ALIGN / BLEND WITH AND TIE TO EXISTING REMAINING WORK AS IF PROVIDED ORIGINALLY.
- ALL MATERIALS SHALL BE NEW EXCEPT WHERE NOTED OTHERWISE.
- DO NOT CONCENTRATE MATERIAL LOADS ON THE EXISTING ROOF.
- ASSUME ADJACENT BUILDINGS WILL BE OCCUPIED AND MUST BE MAINTAINED OPERATIONAL. MAINTAIN TRAFFIC FLOW AND AVOID DISRUPTIONS TO THE OCCUPANTS DURING THE WORK.
- DO NOT IMPAIR SCHOOL OPERATIONS WITH REROOFING OPERATIONS; AVOID DELIVERIES DURING TIMES OF HEAVY TRAFFIC. MAINTAIN UTILITIES OPERATION/ COORDINATE ANY PLANNED OUTAGES, DO NOT BLOCK EXITS, ETC.
- ENSURE MINIMUM INTERFERENCE W/ THE DAILY OPERATIONS OF THE FACILITY; MAINTAIN CLEAR EXITS, SIDEWALKS & DRIVES. REMOVE OR CONTAIN DEBRIS DAILY. COORDINATE TO AVOID DISRUPTION OF THE OCCUPANT'S SPECIAL EVENTS. COORDINATE DELIVERY SCHEDULE TO AVOID TRAFFIC CONFLICT WITH THE OCCUPANTS.
- PROTECT EXISTING INTERIOR AND EXISTING TO REMAIN. SECURE AND PROTECT BUILDING INTERIOR AND CONTENTS FROM WEATHER DAMAGES AND THEFT INTRUSION.
- MAINTAIN THE EXISTING BUILDING DRIED-IN DAILY AS REQUIRED TO FULLY KEEP RAIN FROM ENTERING, REGARDLESS OF FAVORABLE WEATHER FORECASTS, SHALL BE REQUIRED PRIOR TO COMPLETION OF THE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR WEATHER TIGHTNESS, SHALL INSPECT AND ACCEPT ALL SUBSTRATE AND PENETRATION CONDITIONS PRIOR TO COMMENCING WITH REROOFING OPERATIONS.
- PROTECT EXISTING LANDSCAPING TO REMAIN.
- REMOVE AND LEGALLY DISPOSE OF ALL CONSTRUCTION DEBRIS FROM ROOF AND GROUNDS DAILY.
- PROVIDE CLEAN-UP AND CORRECT ANY DAMAGES TO EXISTING BUILDING AND GROUNDS.
- GUTTERS SHALL NOT EXCEED 50' IN LENGTH WITHOUT A GUTTER EXPANSION JOINT.
- DOWNSPOUTS SHOWN ON THIS SHEET ARE SHOWN AS REFERENCE. CONTRACTOR TO SEE ELEVATIONS FOR DOWNSPOUT LOCATIONS AND TO AVOID ANY CONFLICT WITH DOORS, WINDOWS, AND HEAVY TRAFFIC AREAS.

SYMBOLS LEGEND

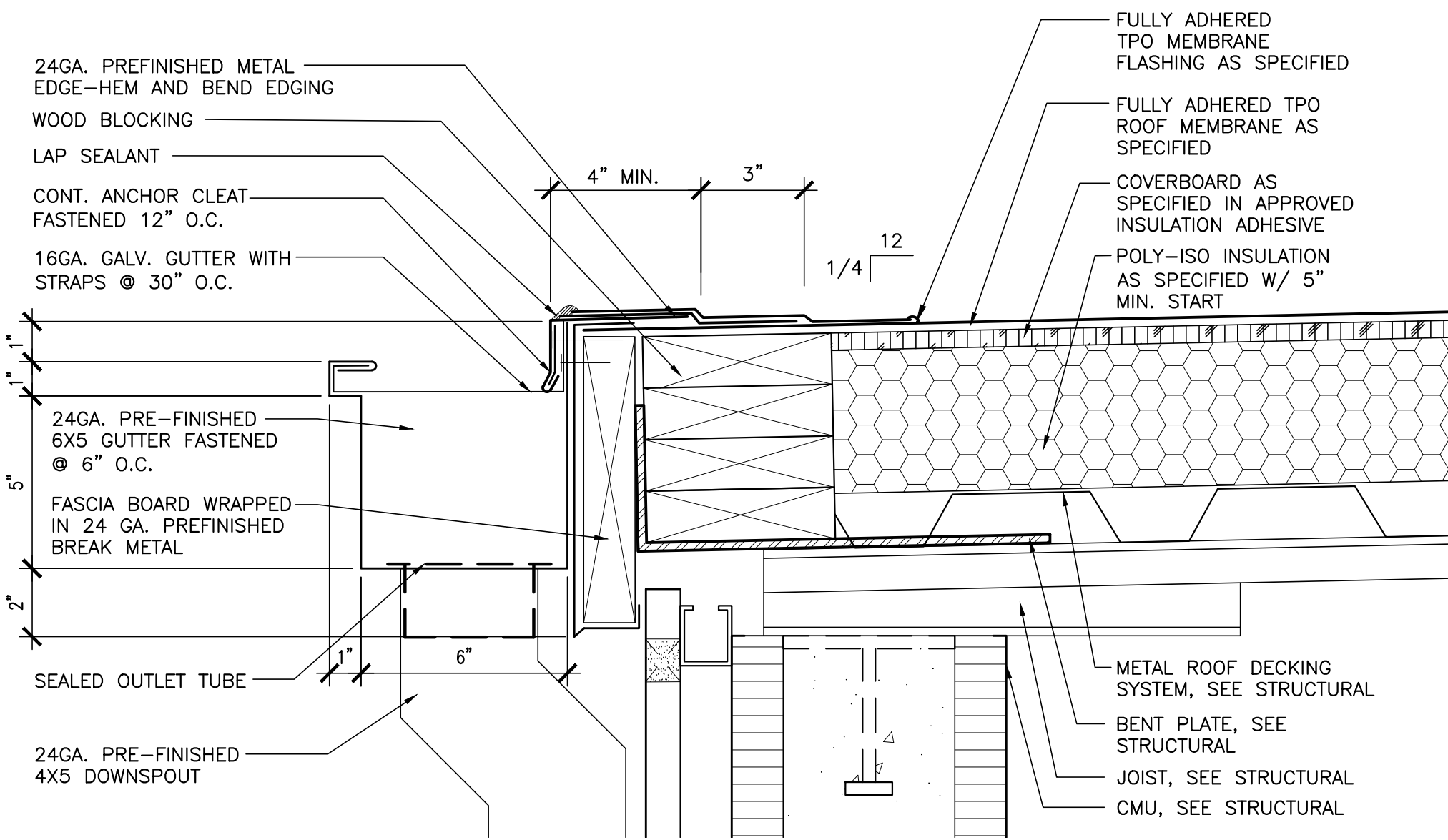
	ROOF DETAIL MARKER		DIRECTION OF ROOF SLOPE MARKER
	DETAIL NUMBER		SLOPE 1/4:12
	SHEET NUMBER		DOWNWARD SLOPE
	3' WIDE CONTINUOUS WALK PADS AND AT EACH MECHANICAL UNIT PERIMETER AS SPECIFIED		RISE : RUN
	TPO MEMBRANE ROOFING SYSTEM ON 1/2" COVERBOARD ON TAPERED POLYISOCYANURATE INSULATION W/ 5" MIN. START OVER METAL DECKING AS SPECIFIED AND DETAILED.		PREFINISHED METAL AWNING/CANOPY SYSTEM

ROOF GENERAL NOTES

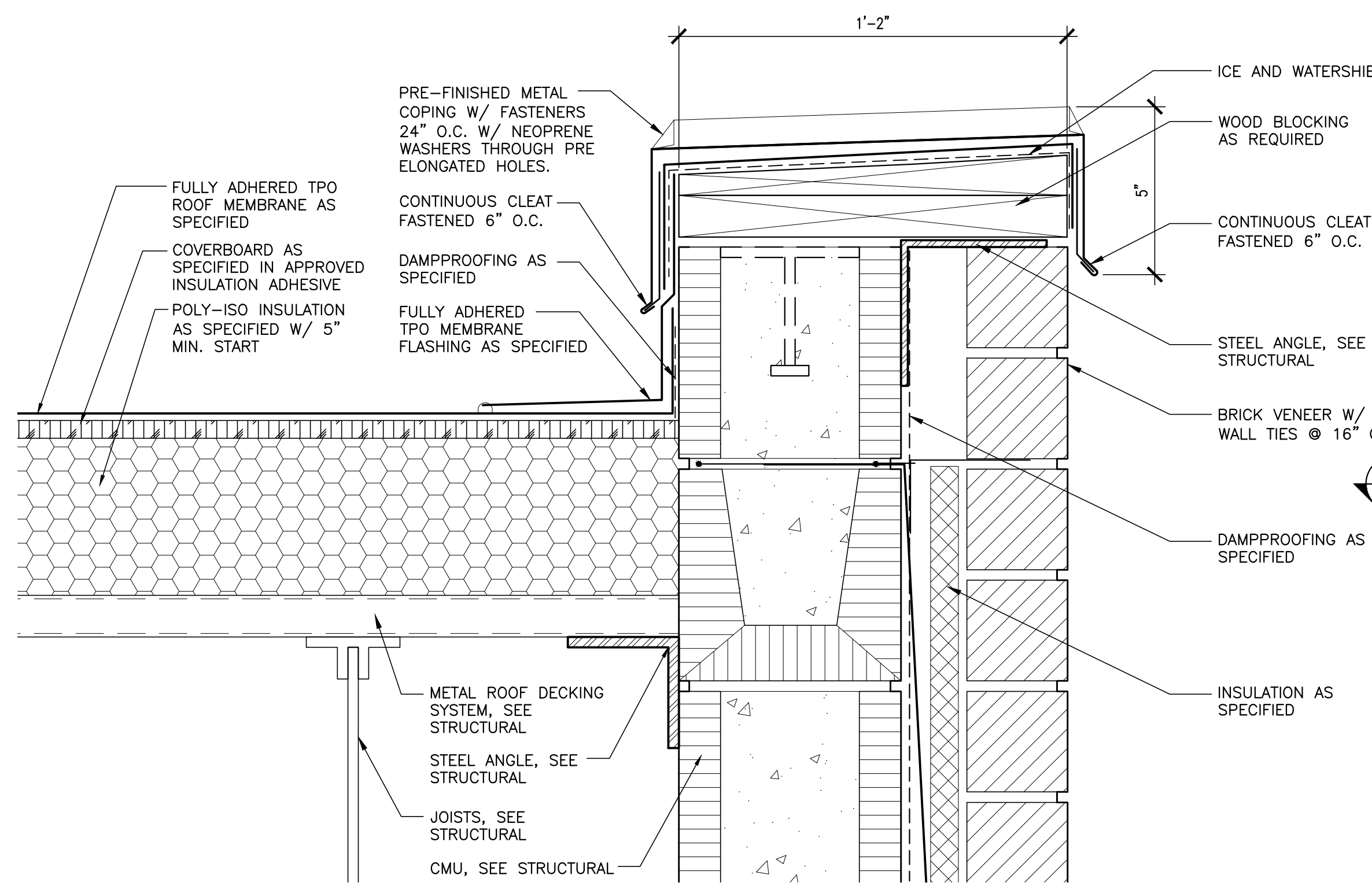
- CONTRACTOR TO COORDINATE LOCATIONS OF ROOF PENETRATIONS WITH MECHANICAL AND/OR ARCHITECT.
- COORDINATE WITH PLUMBING, MECHANICAL, AND ELECTRICAL FOR ROOF PENETRATIONS. FLASH ALL PENETRATIONS. ROOFING CONTRACTOR SHALL MAINTAIN SINGLE SOURCE RESPONSIBILITY FOR WEATHERTIGHTNESS OF ROOF PENETRATIONS AS PART ROOFING SYSTEM ENVELOPE.
- EACH INDIVIDUAL EQUIPMENT CONDITION ETC. MAY NOT HAVE A DETAIL DESIGNATION BUBBLE FOR CLARITY PURPOSES, HOWEVER EACH DETAIL APPLIES TO ALL EQUIPMENT, CONDITIONS ETC. OF THAT TYPE.
- VERIFY LOCATIONS OF ROOF TOP UNITS WITH MECHANICAL UNITS WITHIN A MINIMUM OF 10'-0" TO A ROOF EDGE WILL REQUIRE A GUARDRAIL SYSTEM UNLESS OTHERWISE NOTED.

ROOF LEGEND

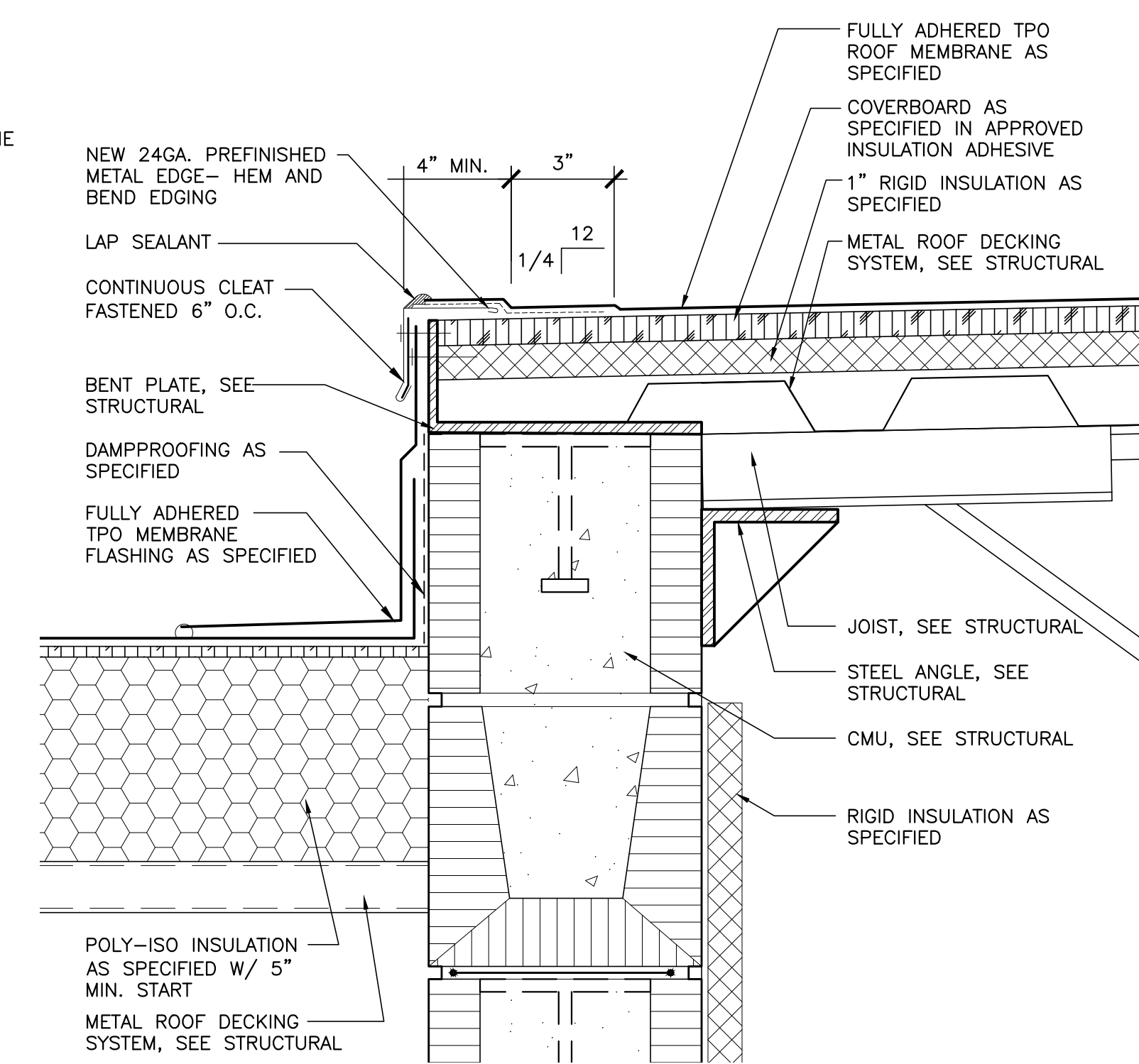
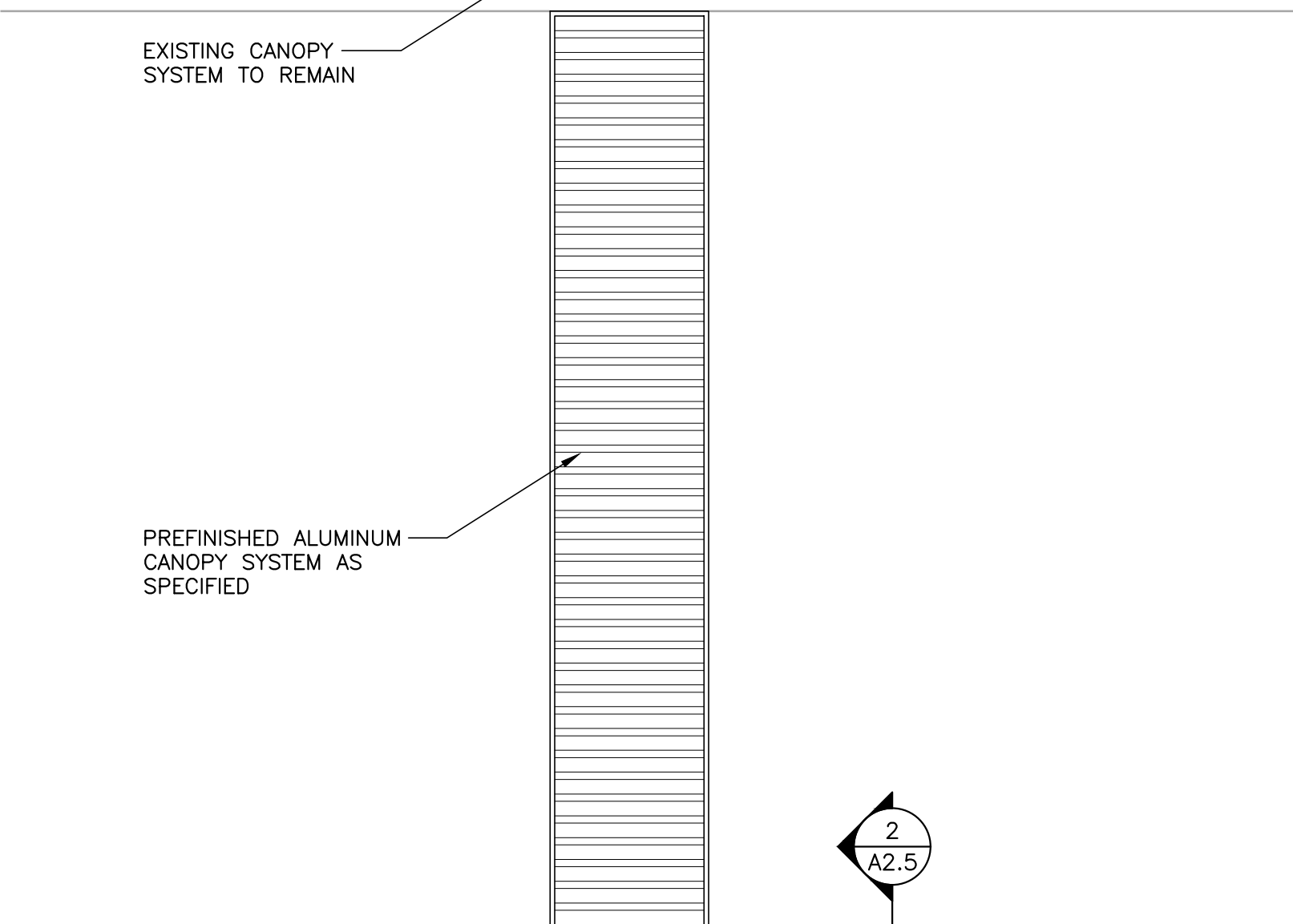
OHP	OUTSIDE HEAT PUMP	DS	DOWNSPOUT
ERU	ENERGY RECOVERY UNIT	G	GUTTER
RTU	ROOF TOP UNIT	GEJ	GUTTER EXPANSION JOINT
EJ	EXPANSION JOINT	NIC	NOT IN CONTRACT
PV	PLUMBING VENT	EX	EXISTING TO REMAIN
LOW	LOW ROOF		
HIGH	HIGH ROOF		



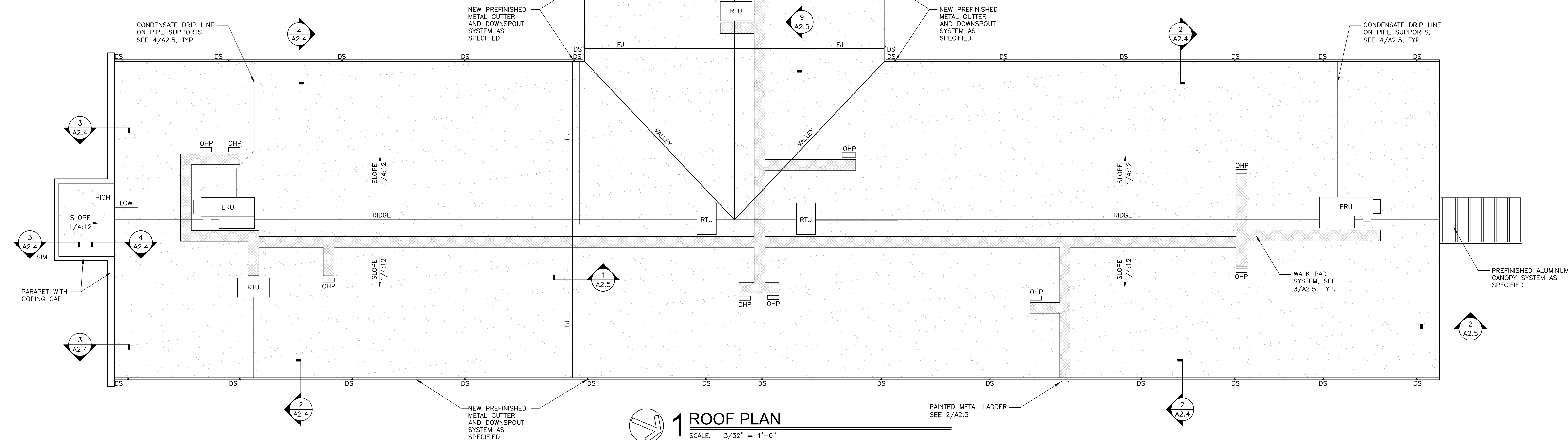
2 GUTTER DETAIL
SCALE: 3" = 1'-0"



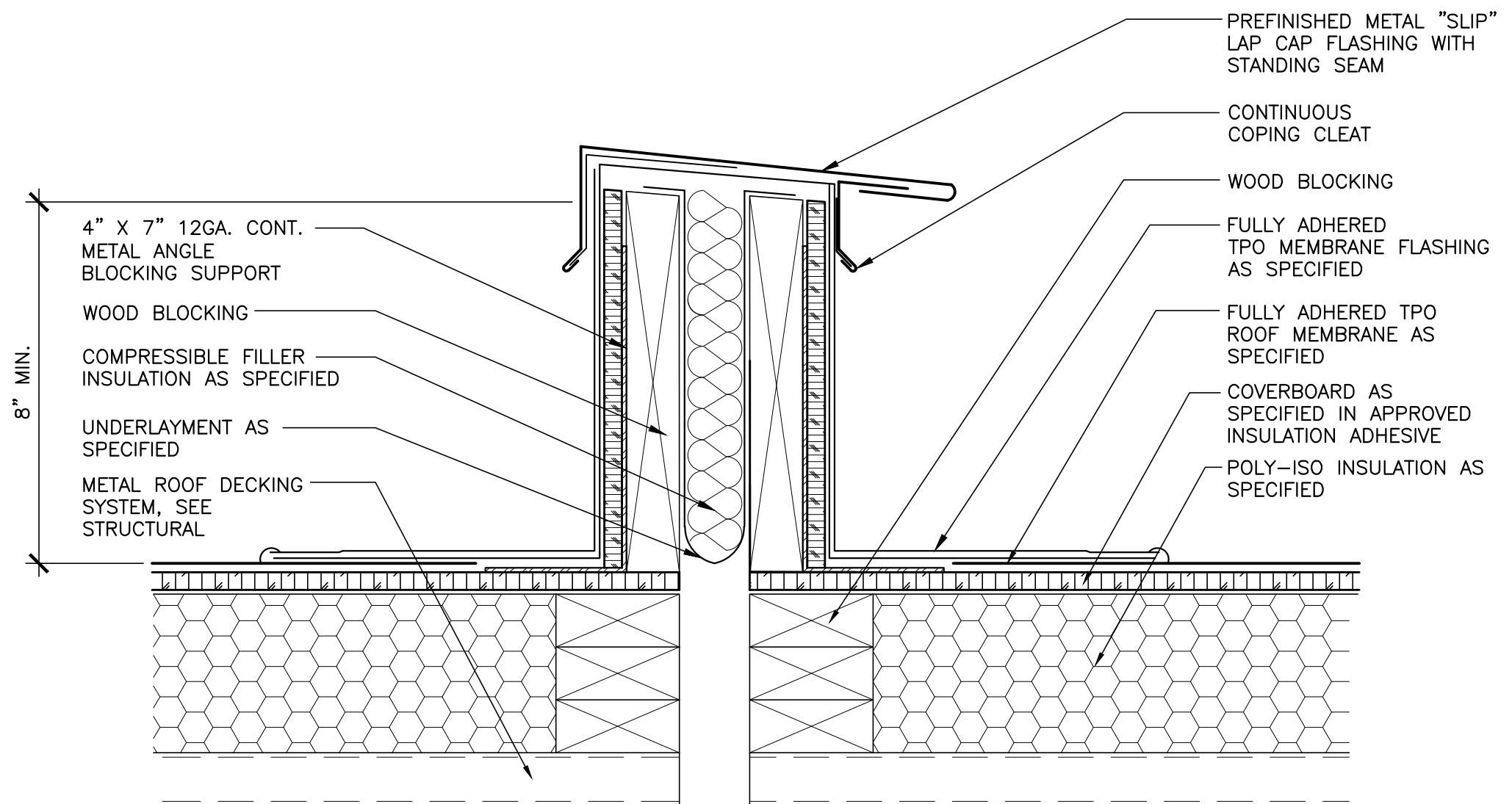
3 PARAPET DETAIL
SCALE: 3" = 1'-0"



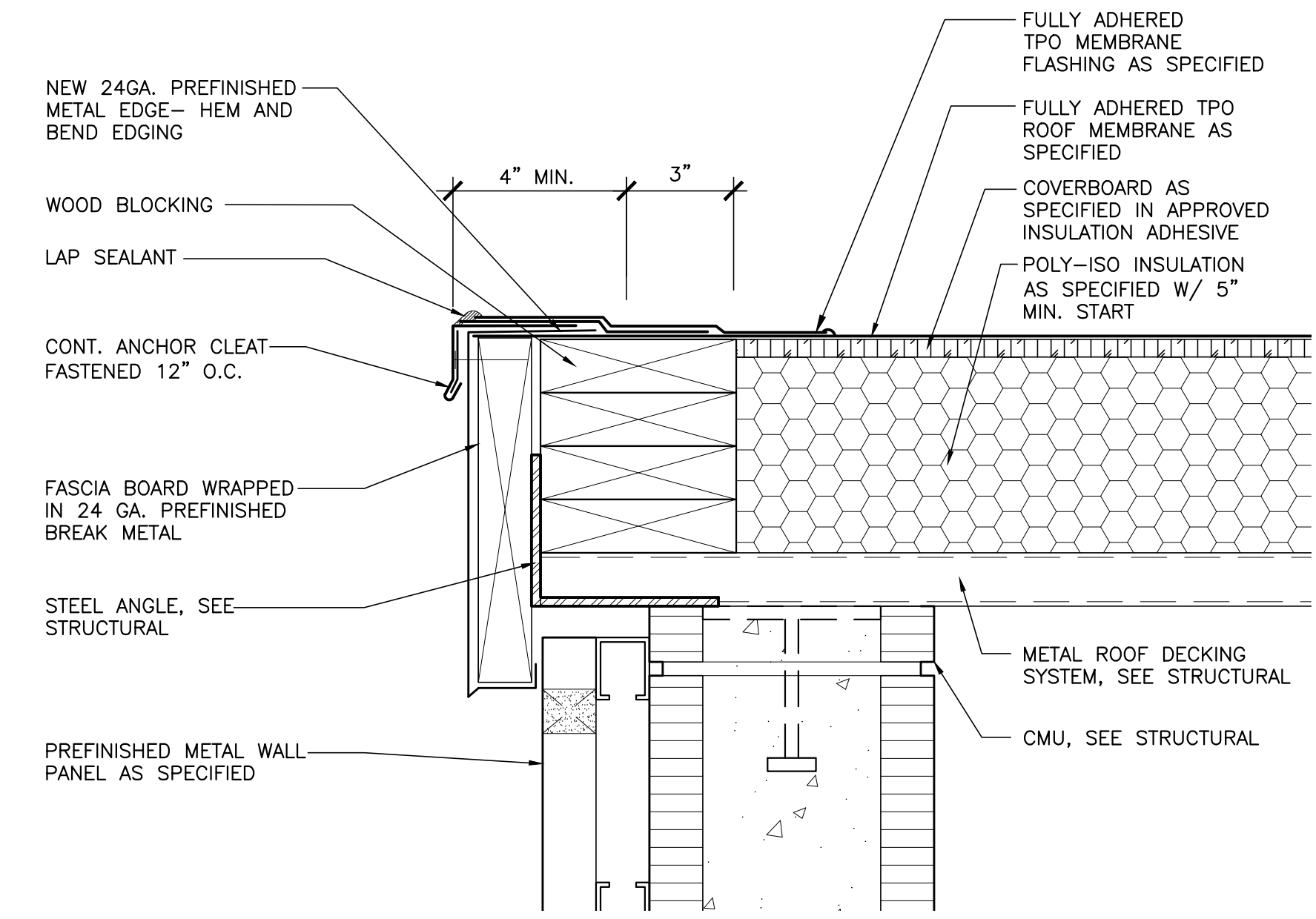
4 WALL/ROOF DETAIL
SCALE: 3" = 1'-0"



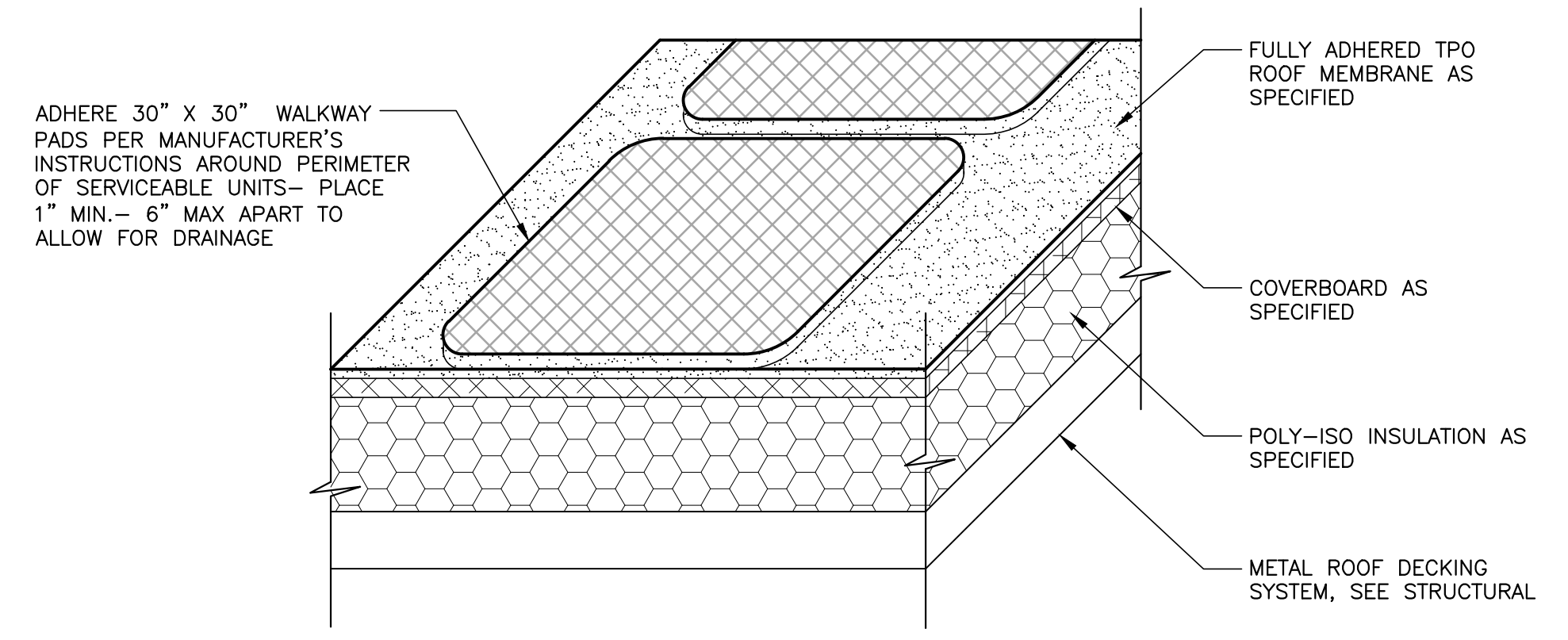
1 ROOF PLAN
SCALE: 3/32" = 1'-0"



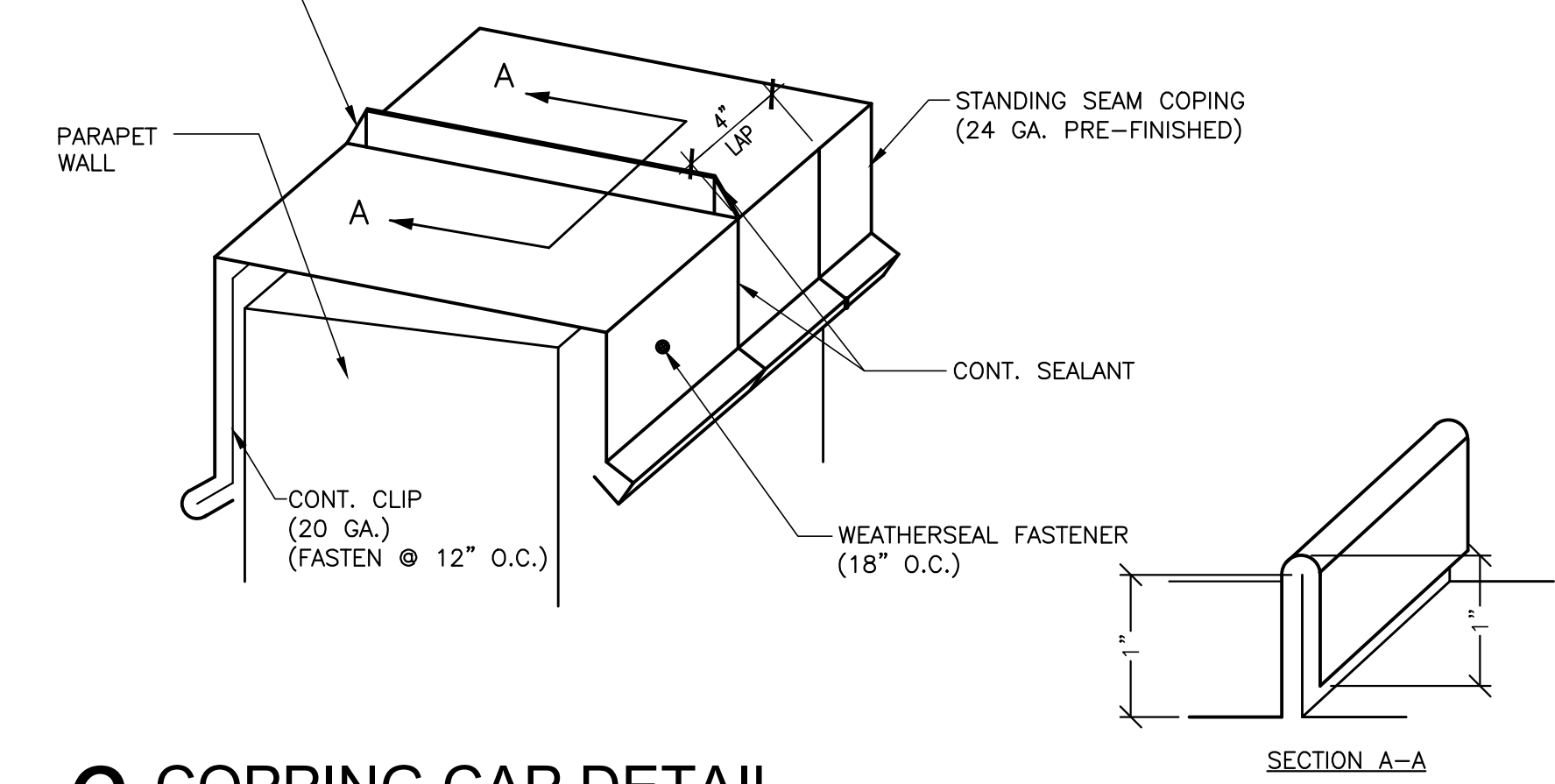
1 EXPANSION JOINT DETAIL
SCALE: 3" = 1'-0"



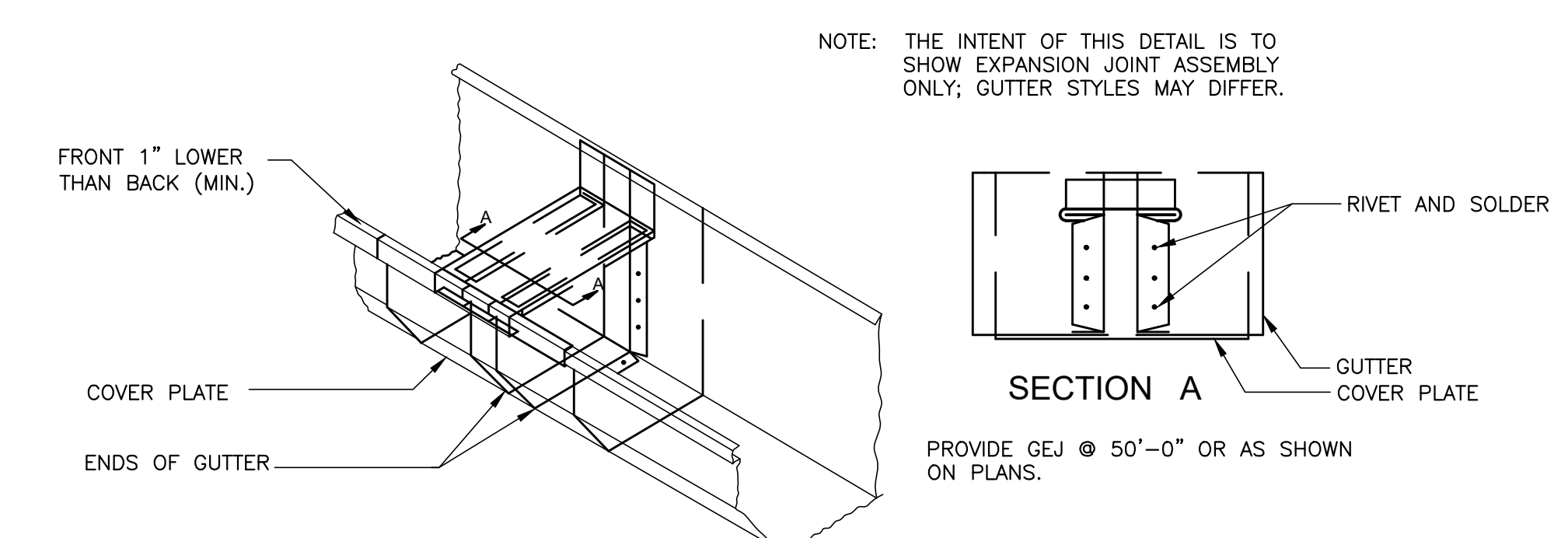
2 RAKE DETAIL
SCALE: 3" = 1'-0"



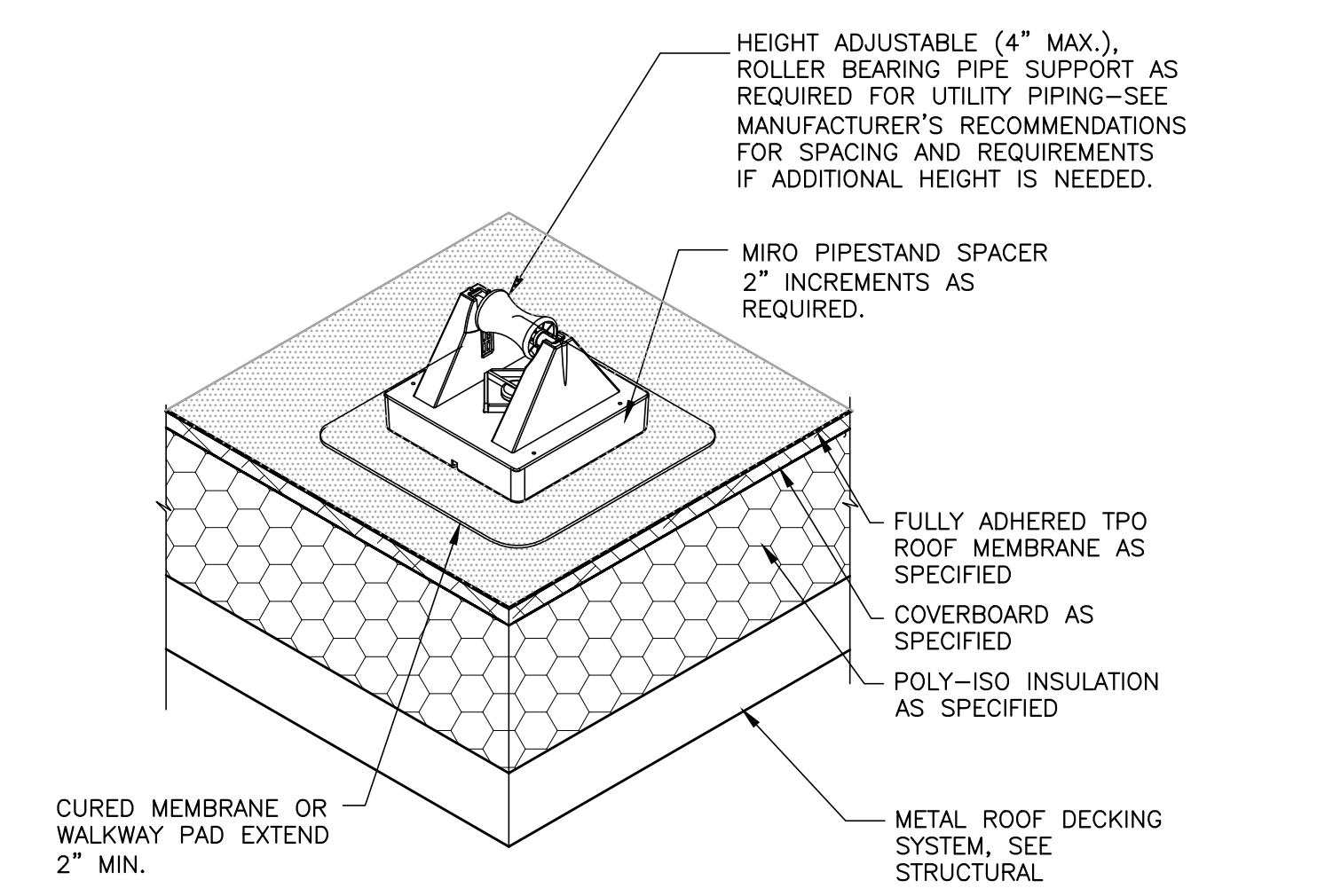
3 WALK PAD DETAIL
SCALE: 3" = 1'-0"



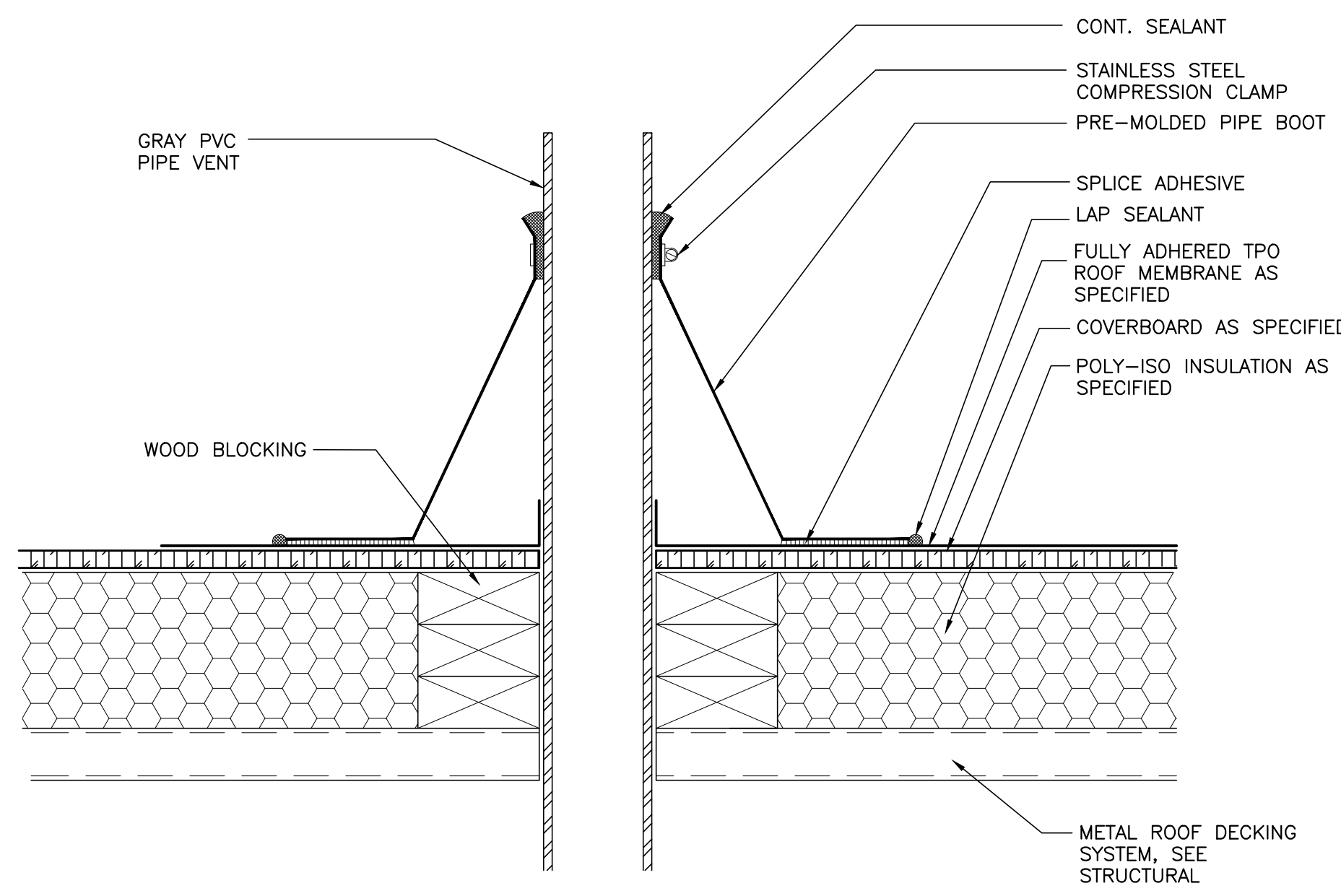
6 COPPING CAP DETAIL
SCALE: 3" = 1'-0"



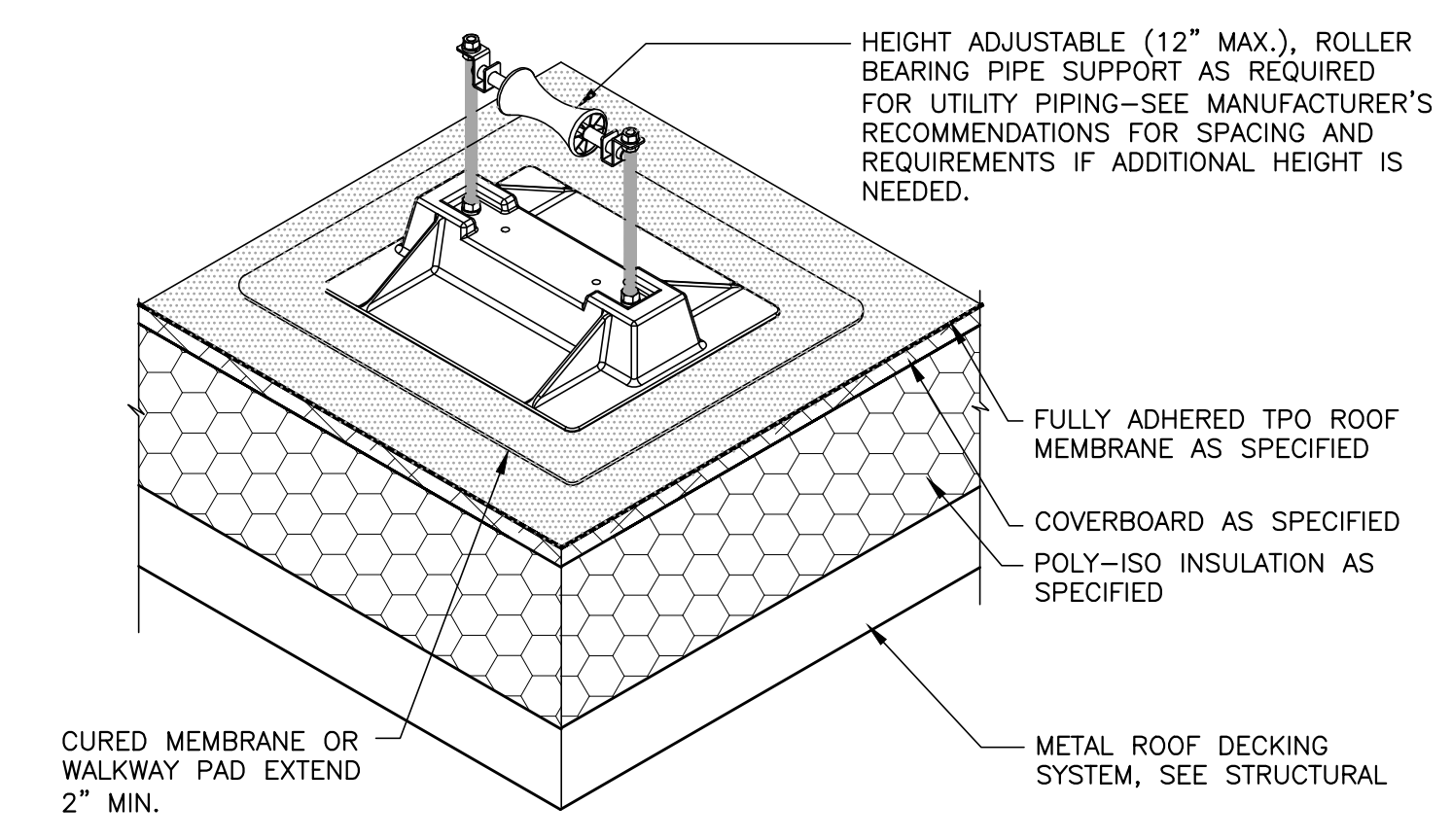
7 GUTTER EXPANSION JOINT DETAIL
SCALE: 3" = 1'-0"



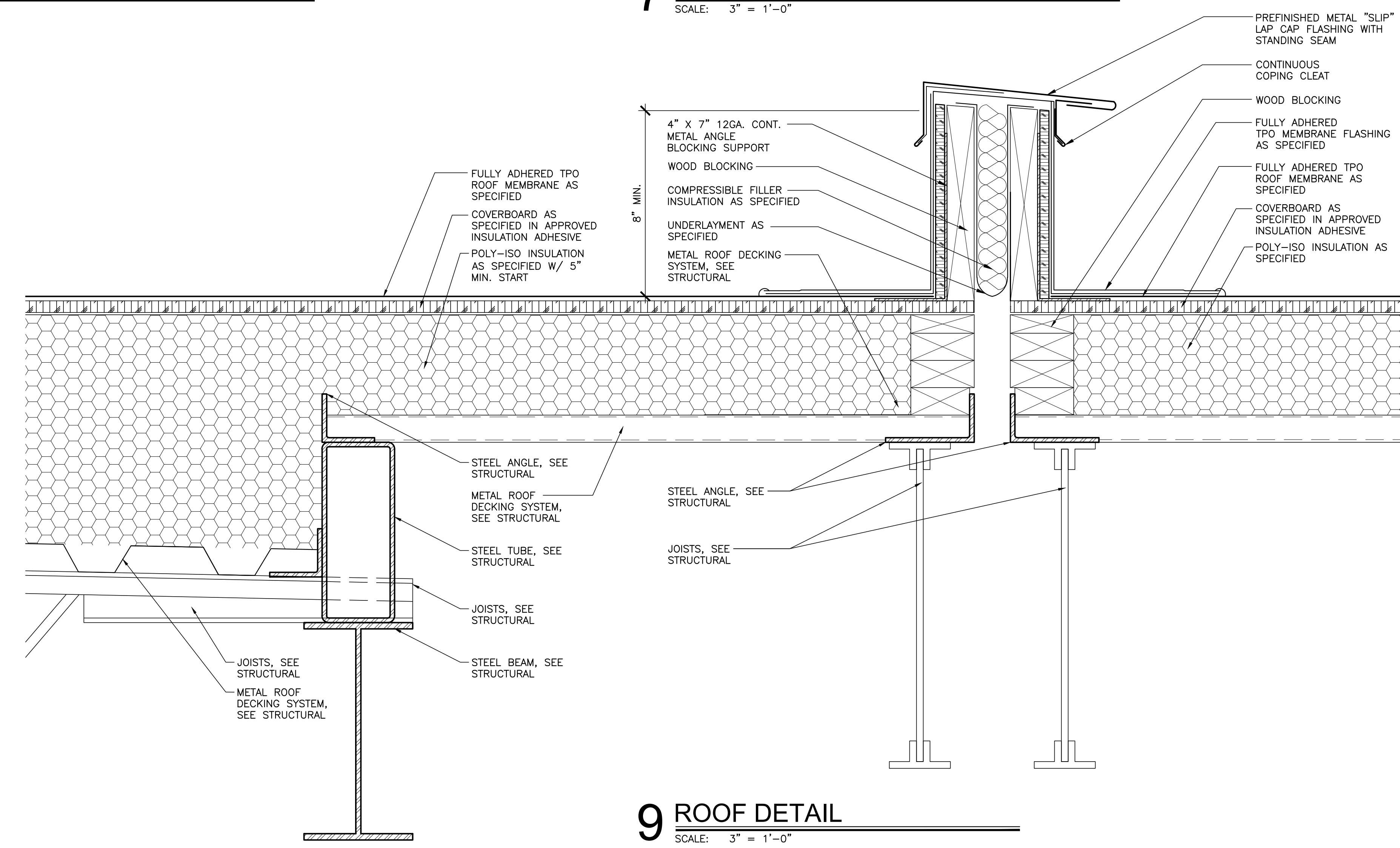
4 PIPE SUPPORT DETAIL
SCALE: 3" = 1'-0"



5 PIPE FLASHING DETAIL
SCALE: 3" = 1'-0"



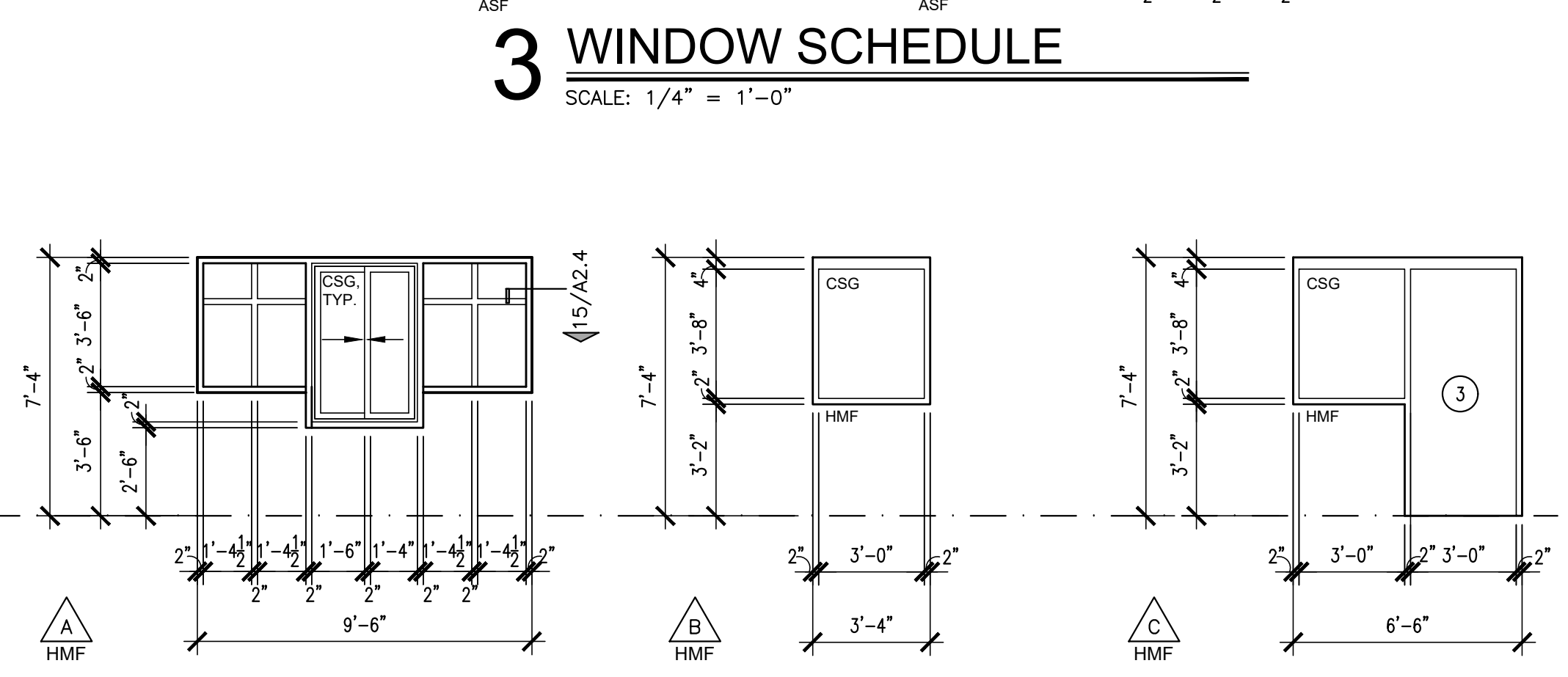
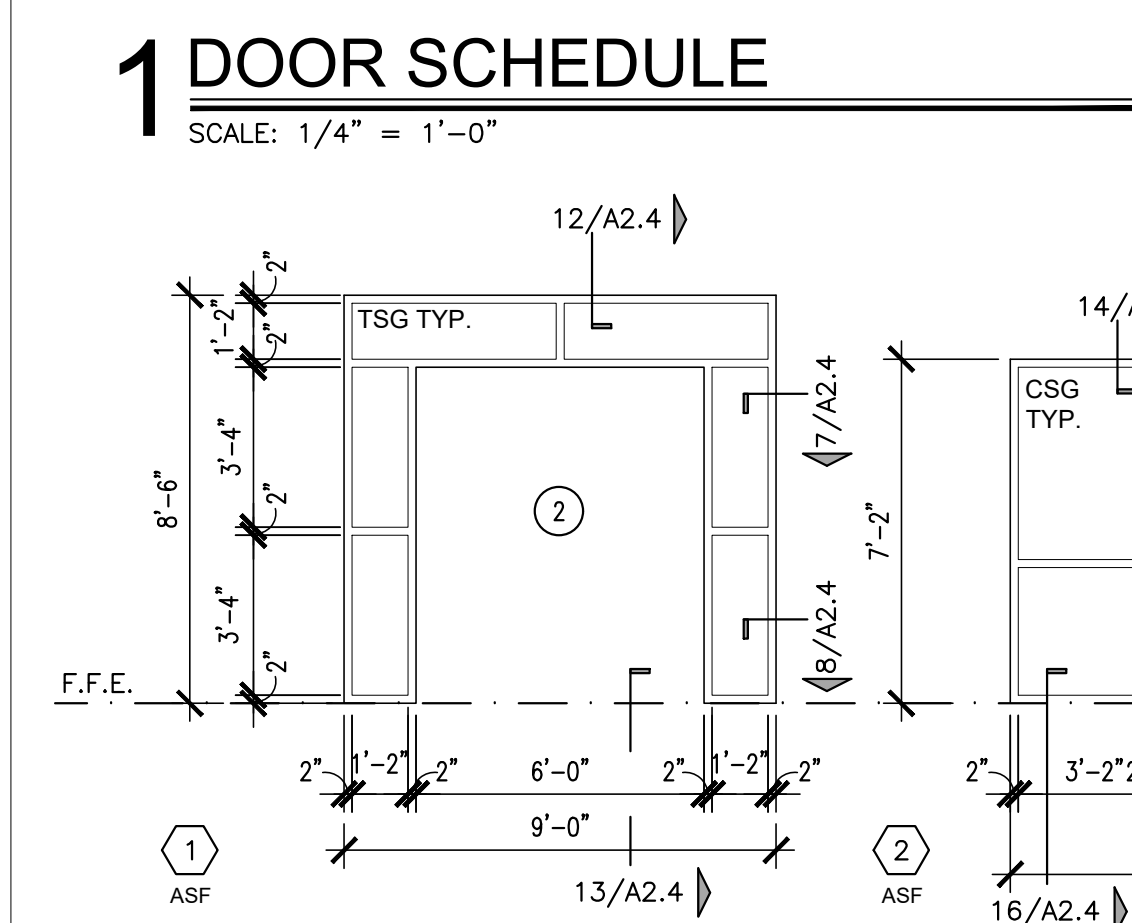
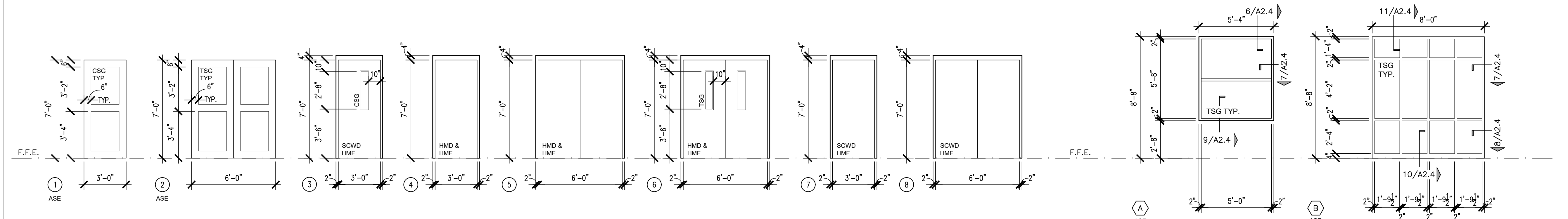
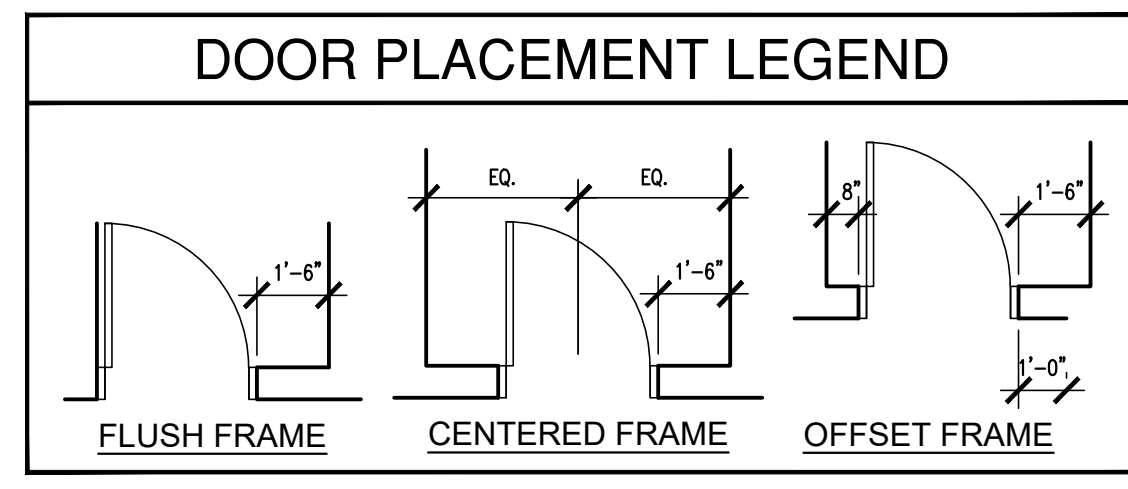
8 RTU CURB DETAIL
SCALE: 3" = 1'-0"



9 ROOF DETAIL
SCALE: 3" = 1'-0"

DOOR AND WINDOW LEGEND	
AL	REFINISHED ALUMINUM LOUVER SYSTEM AS SPECIFIED
CSG	1/4" THICK CLEAR TEMPERED SAFETY GLASS.
CFG	CLEAR FIRE RATED SAFETY GLASS AS SPECIFIED.
TSG	1" TINTED INSULATED LOW-E TEMPERED SAFETY GLASS AS SPEC.
SCWD	SOLID CORE WOOD DOOR
HMD	HOLLOW METAL DOOR
HMF	HOLLOW METAL FRAME
ASE	REFINISHED ALUMINUM STOREFRONT ENTRANCE SYSTEM AS SPECIFIED.
ASF	REFINISHED ALUMINUM STOREFRONT FRAME SYSTEM AS SPECIFIED.

NOTES:
1. PROVIDE CFG WHERE GLASS IS INDICATED IN RATED DOORS AND WINDOWS.
2. ALL EXTERIOR WINDOW AND STOREFRONT GLAZING SHALL BE 1" INSULATED SAFETY GLAZING.
3. OVERALL DIMENSIONS INDICATE ROUGH OPENING / MASONRY OPENING.

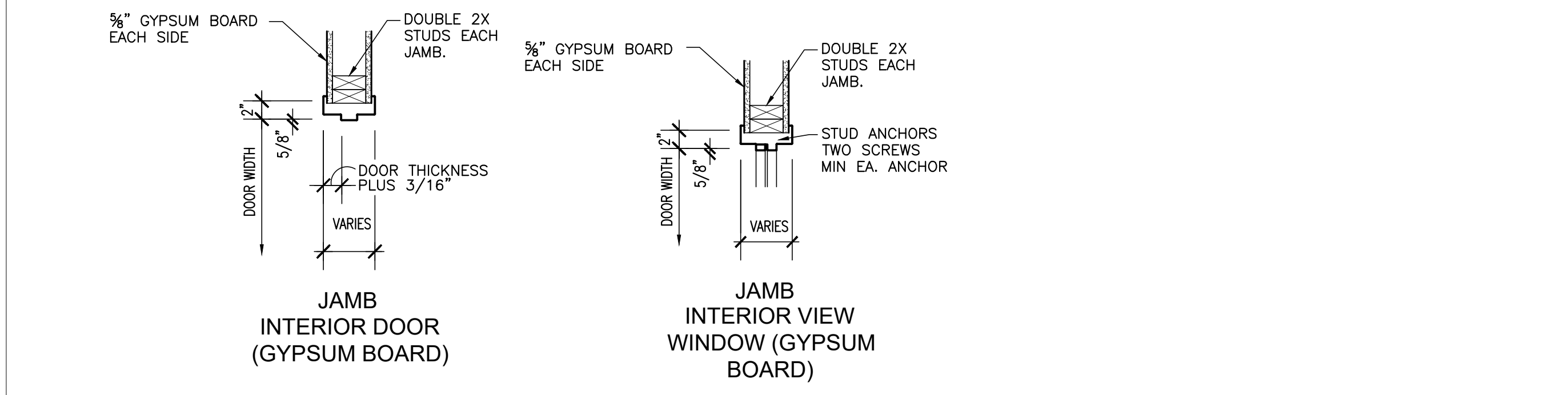
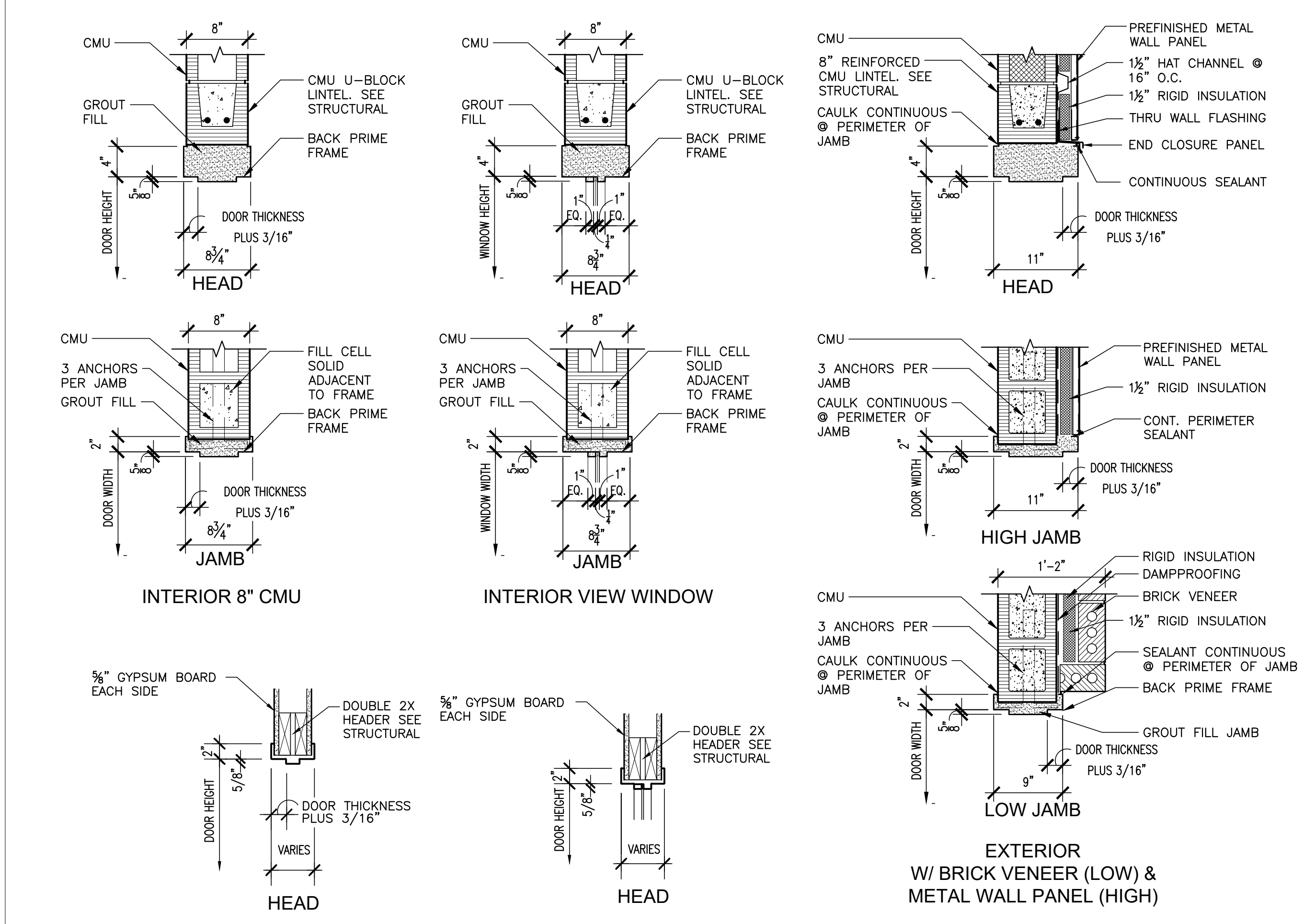


1 DOOR SCHEDULE
SCALE: 1/4" = 1'-0"

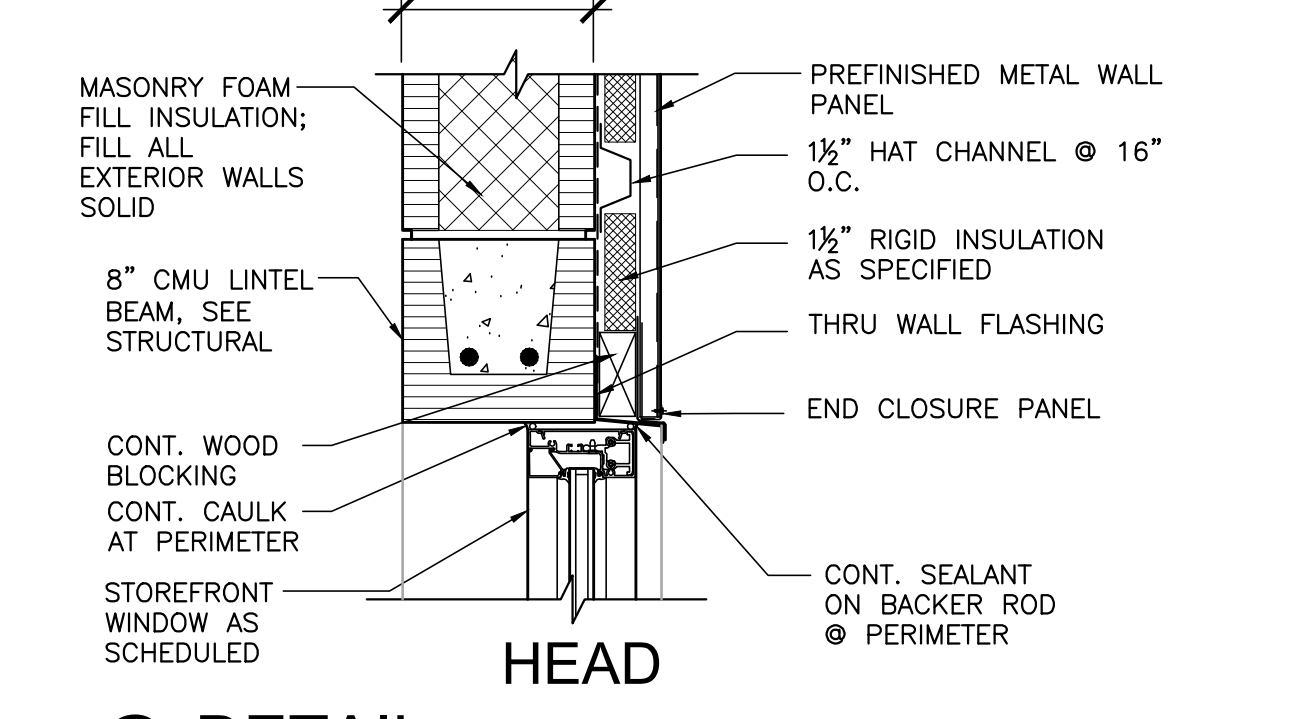
3 WINDOW SCHEDULE
SCALE: 1/4" = 1'-0"

2 STOREFRONT SCHEDULE
SCALE: 1/4" = 1'-0"

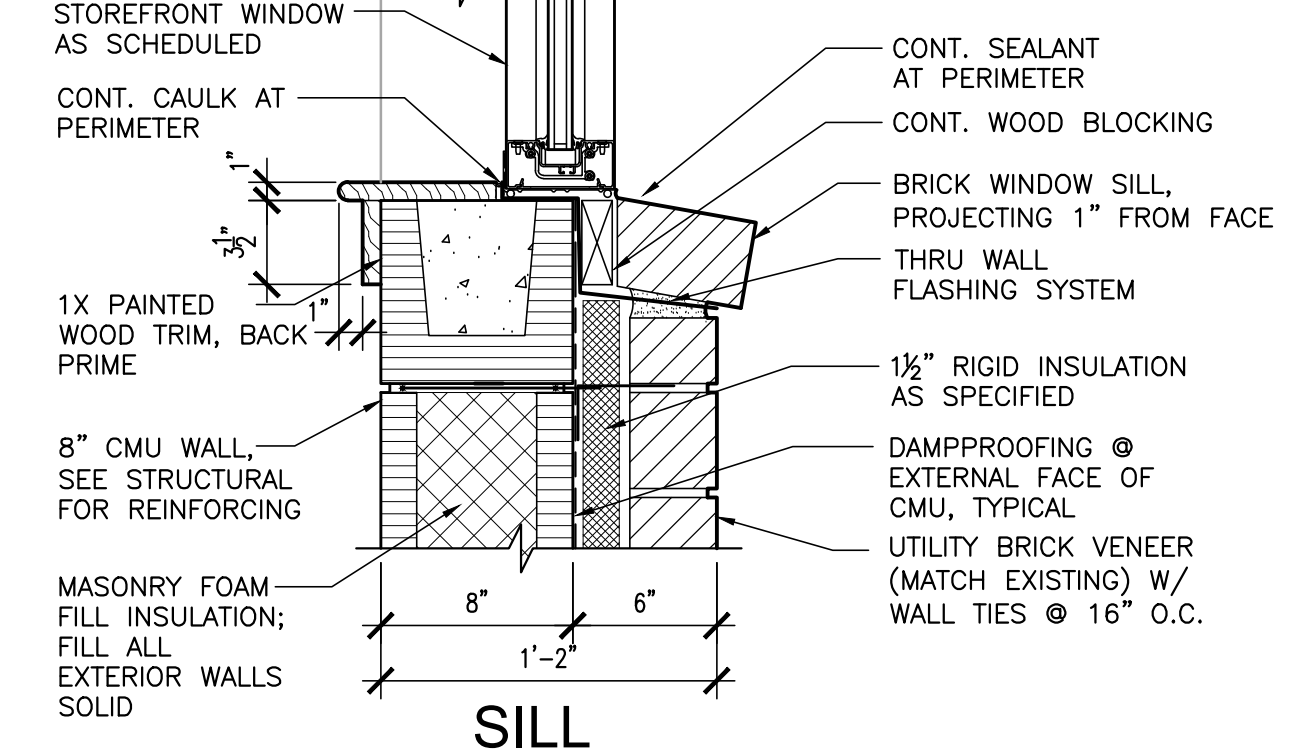
4 INTERIOR WINDOW SCHEDULE
SCALE: 1/4" = 1'-0"



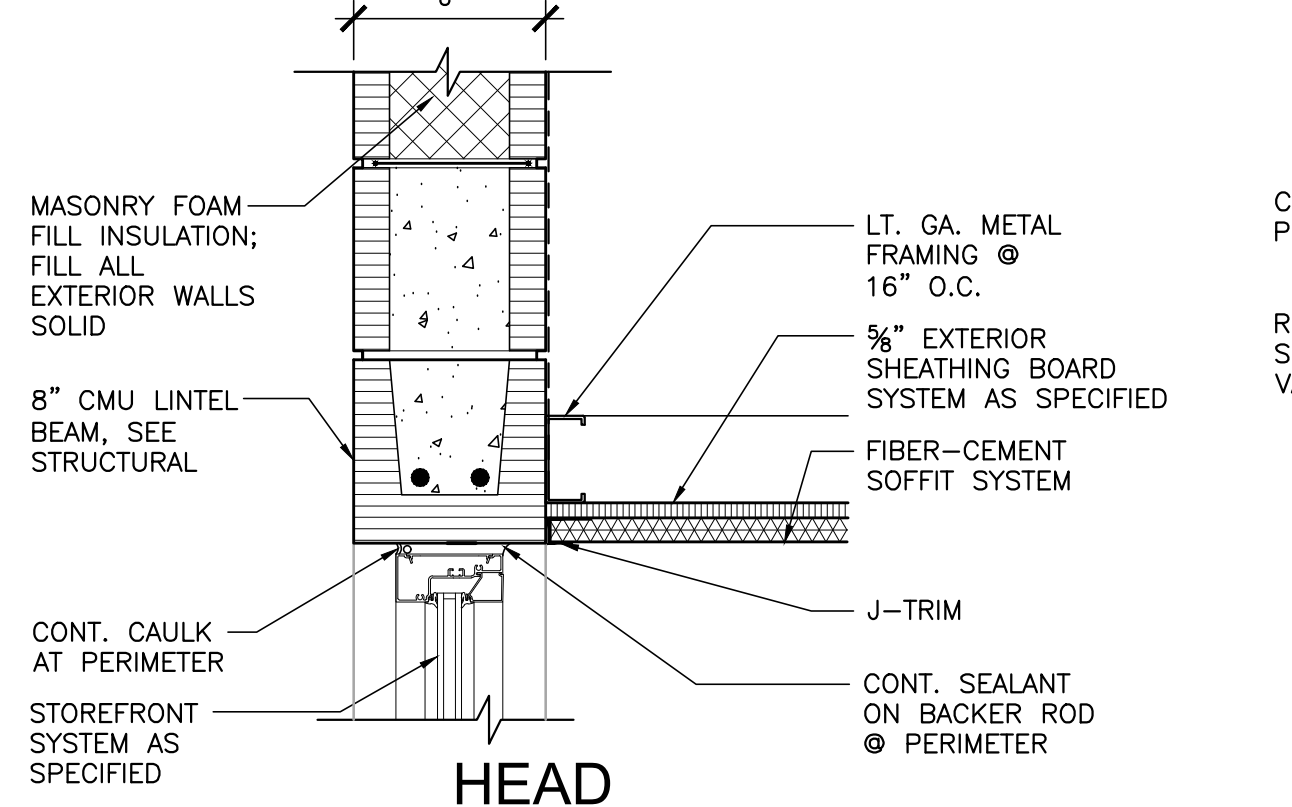
5 HOLLOW METAL DETAILS
SCALE: 1" = 1'-0"



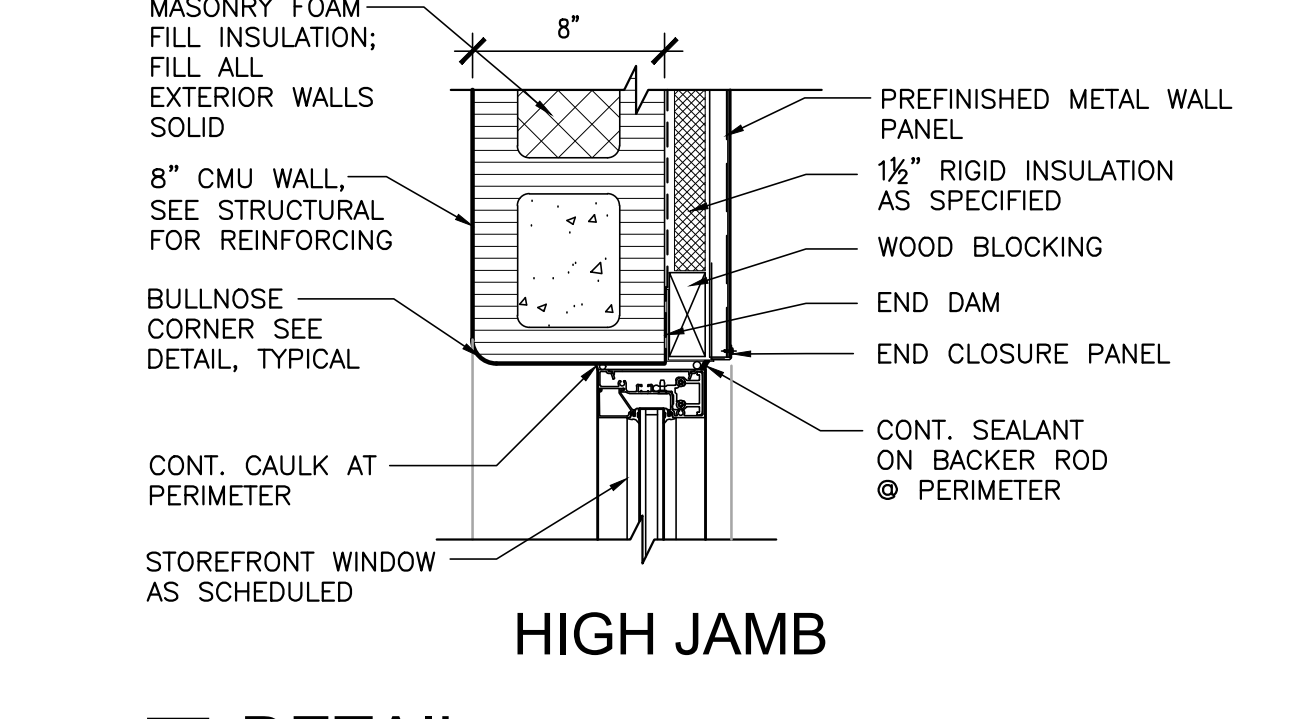
6 DETAIL
SCALE: 1 1/2" = 1'-0"



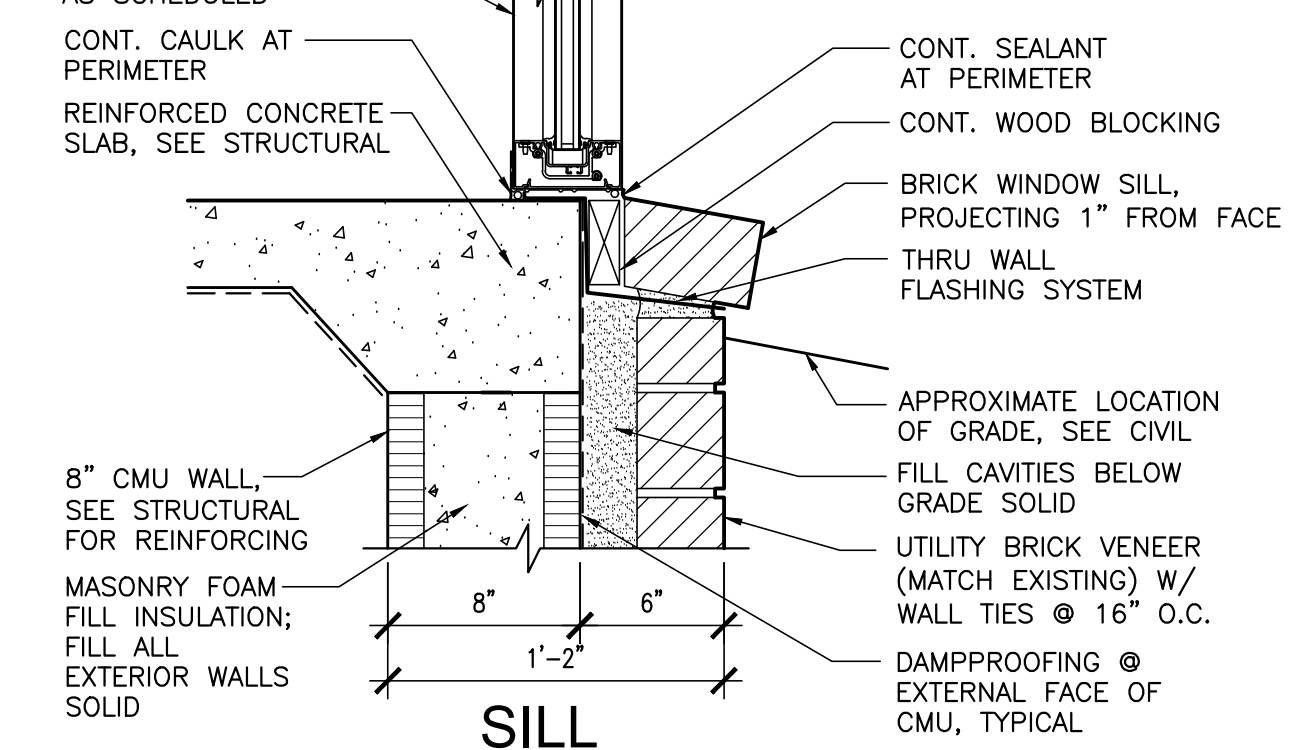
9 DETAIL
SCALE: 1 1/2" = 1'-0"



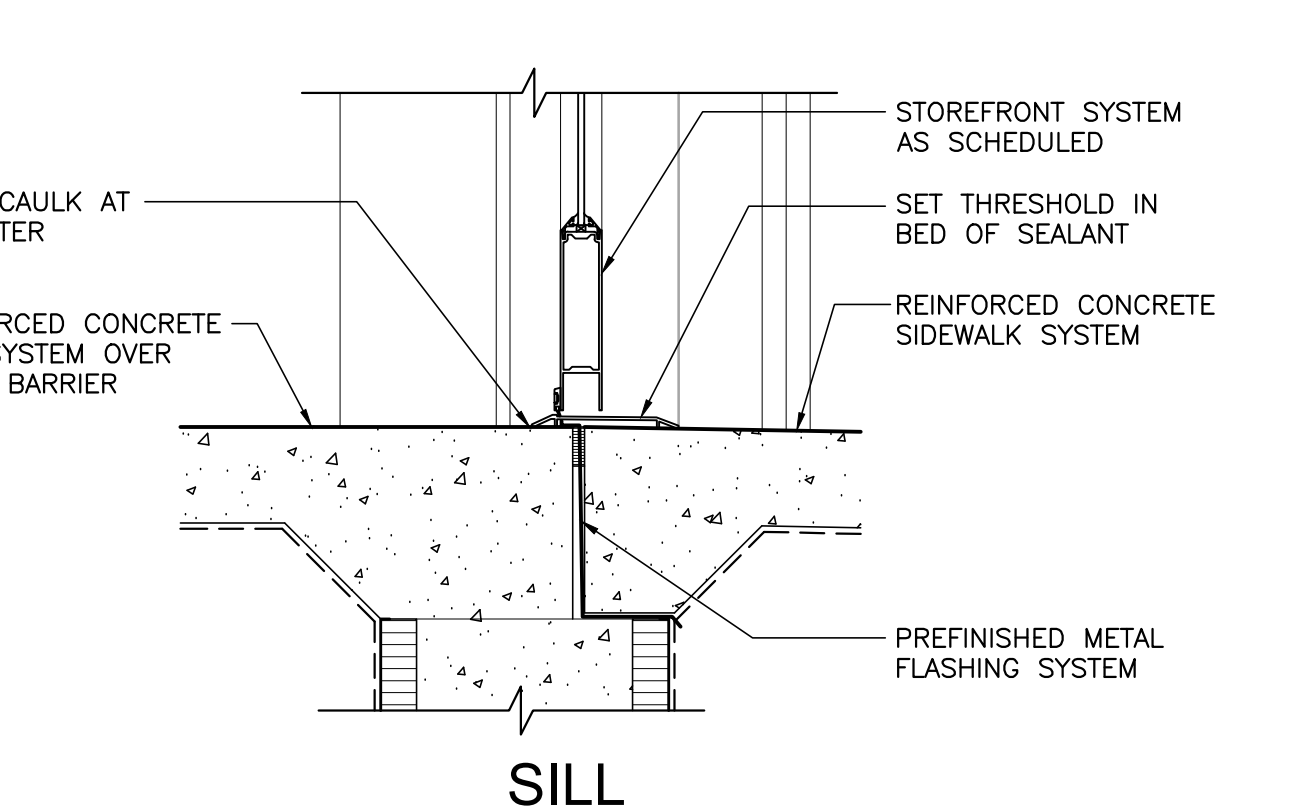
12 DETAIL
SCALE: 1 1/2" = 1'-0"



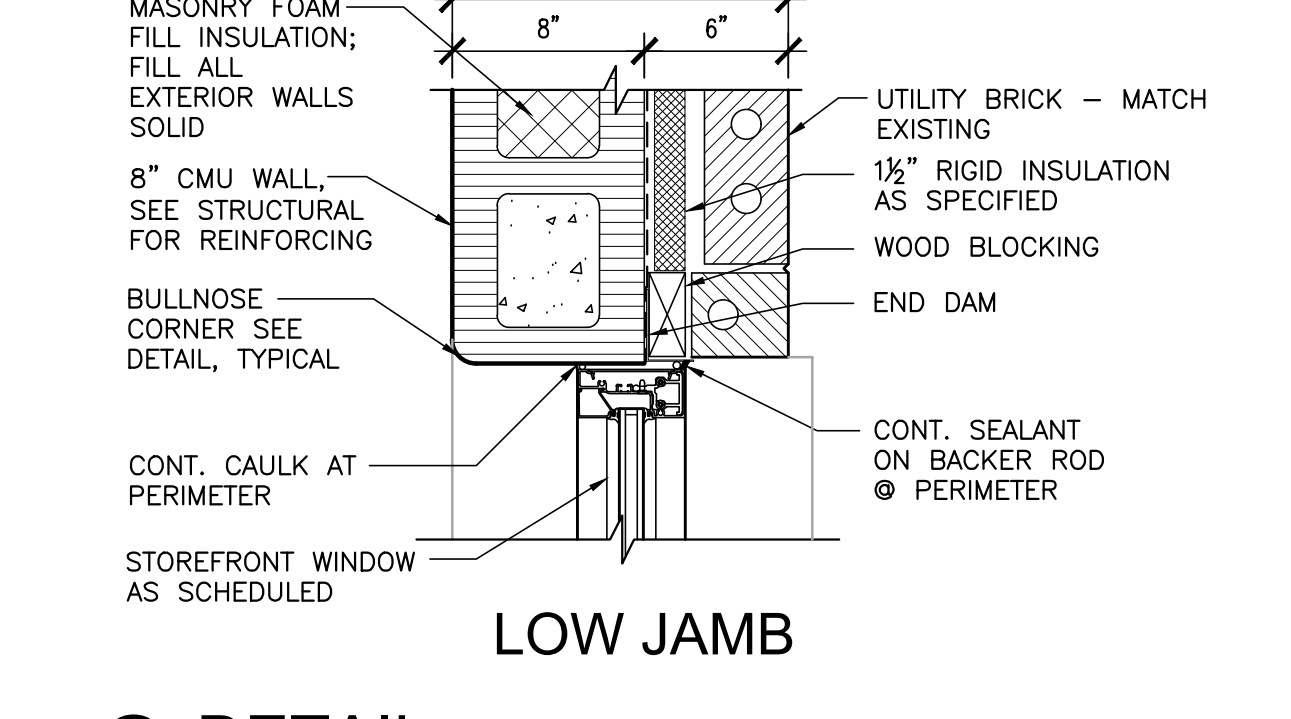
7 DETAIL
SCALE: 1 1/2" = 1'-0"



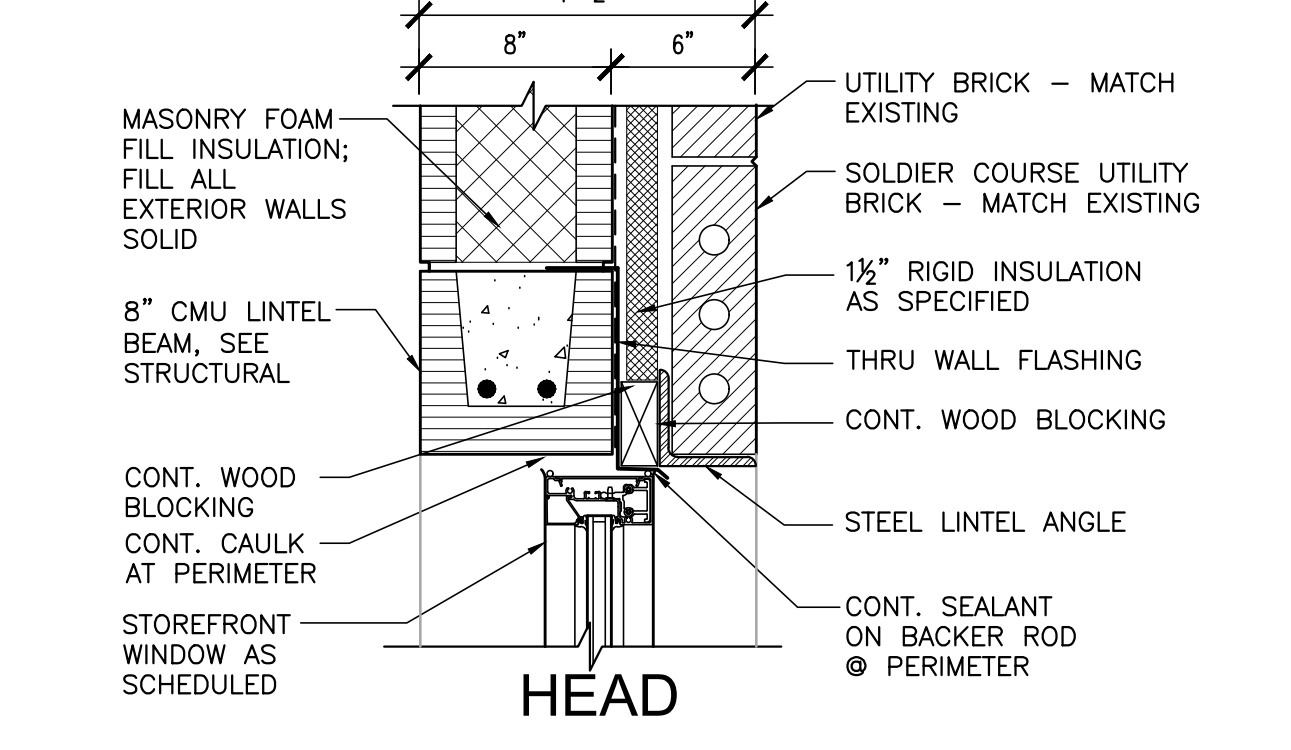
10 DETAIL
SCALE: 1 1/2" = 1'-0"



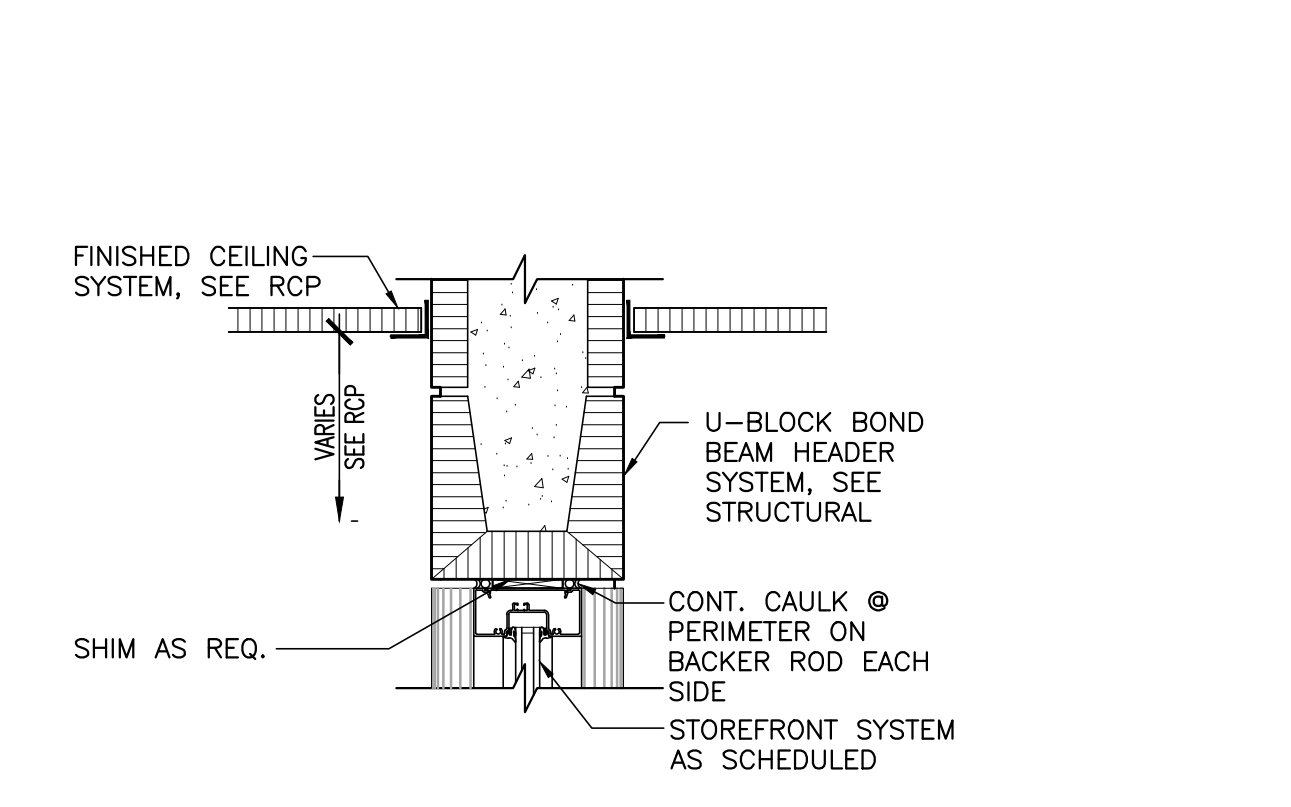
13 DETAIL
SCALE: 1 1/2" = 1'-0"



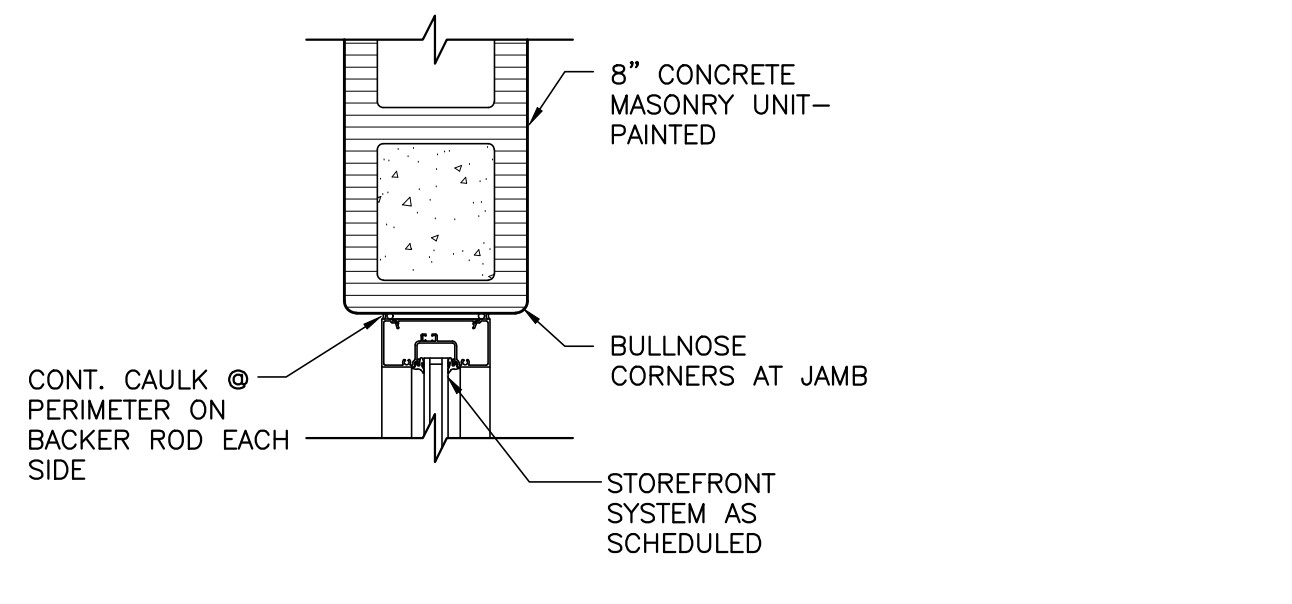
8 DETAIL
SCALE: 1 1/2" = 1'-0"



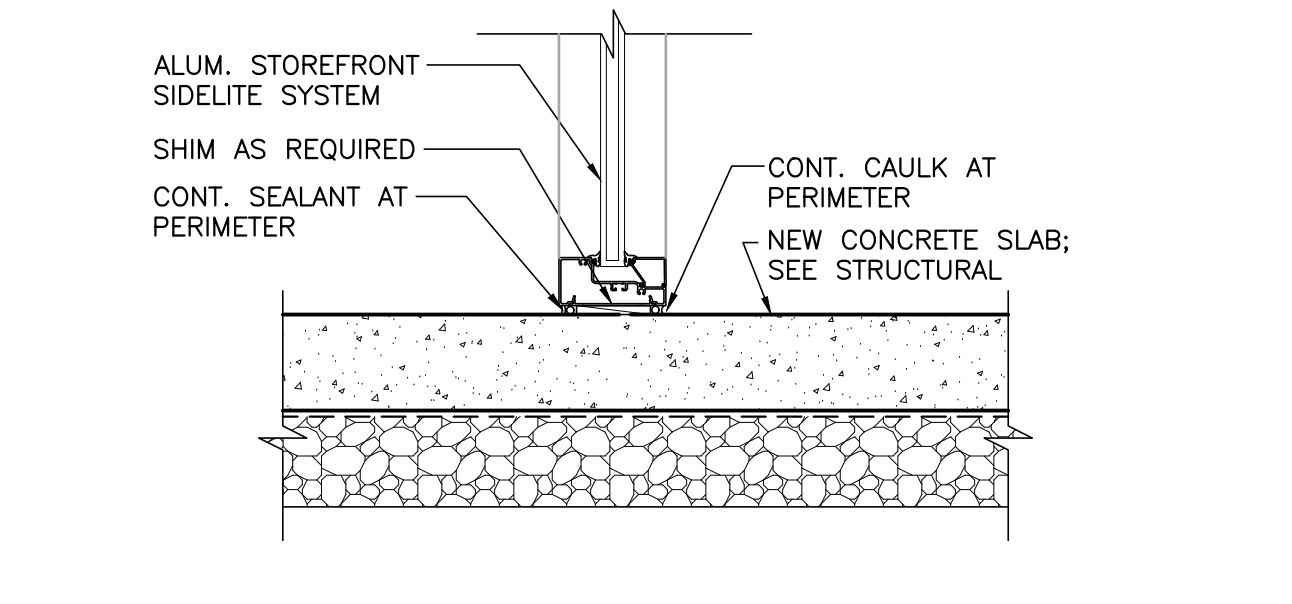
11 DETAIL
SCALE: 1 1/2" = 1'-0"



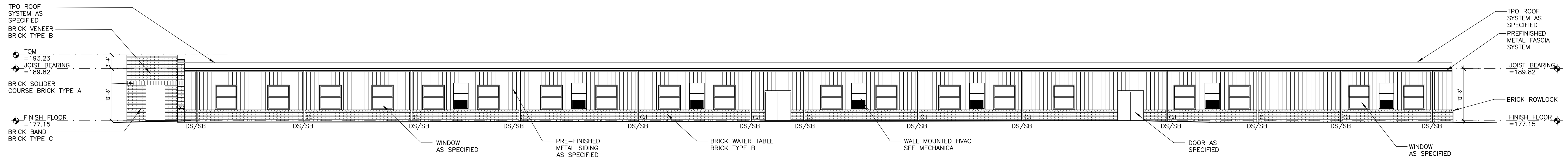
14 DETAIL
SCALE: 1 1/2" = 1'-0"



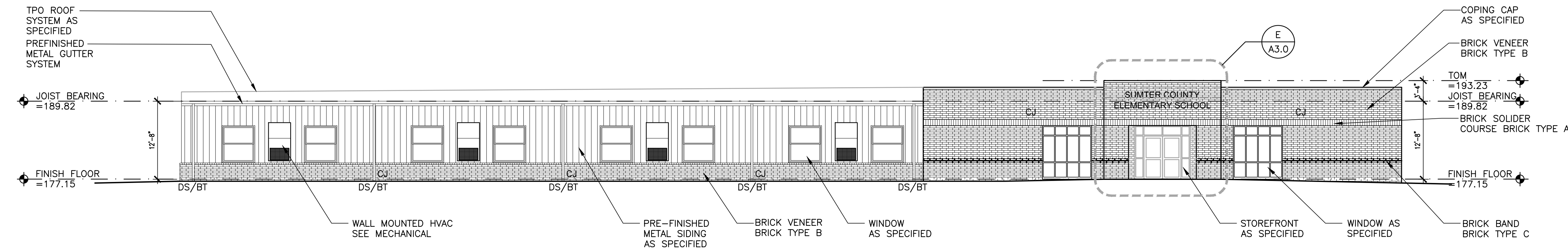
15 DETAIL
SCALE: 1 1/2" = 1'-0"



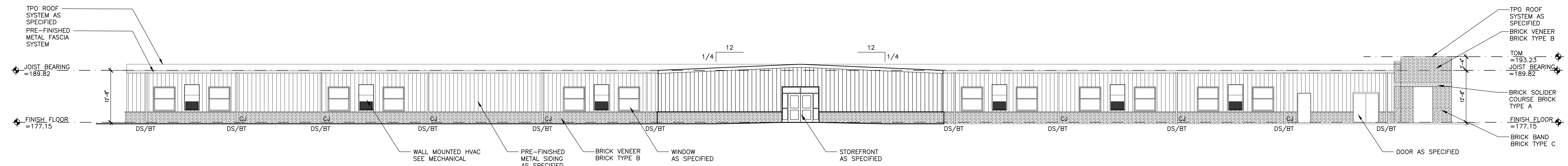
16 DETAIL
SCALE: 1 1/2" = 1'-0"



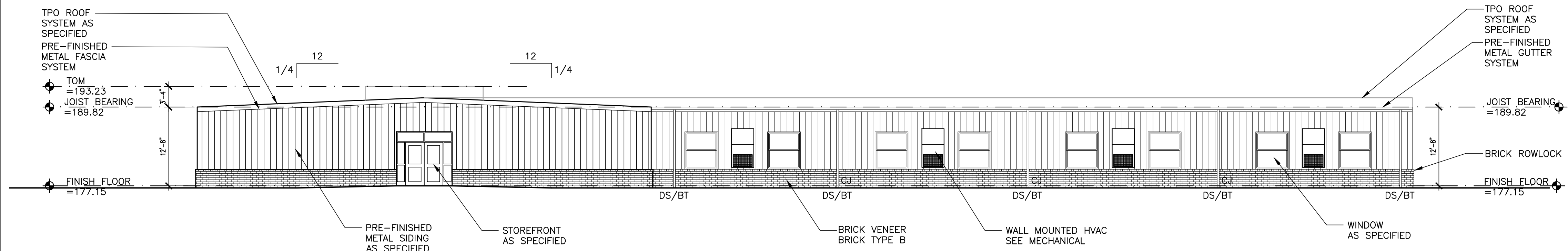
A ELEVATION
SCALE: 3/32" = 1'-0"



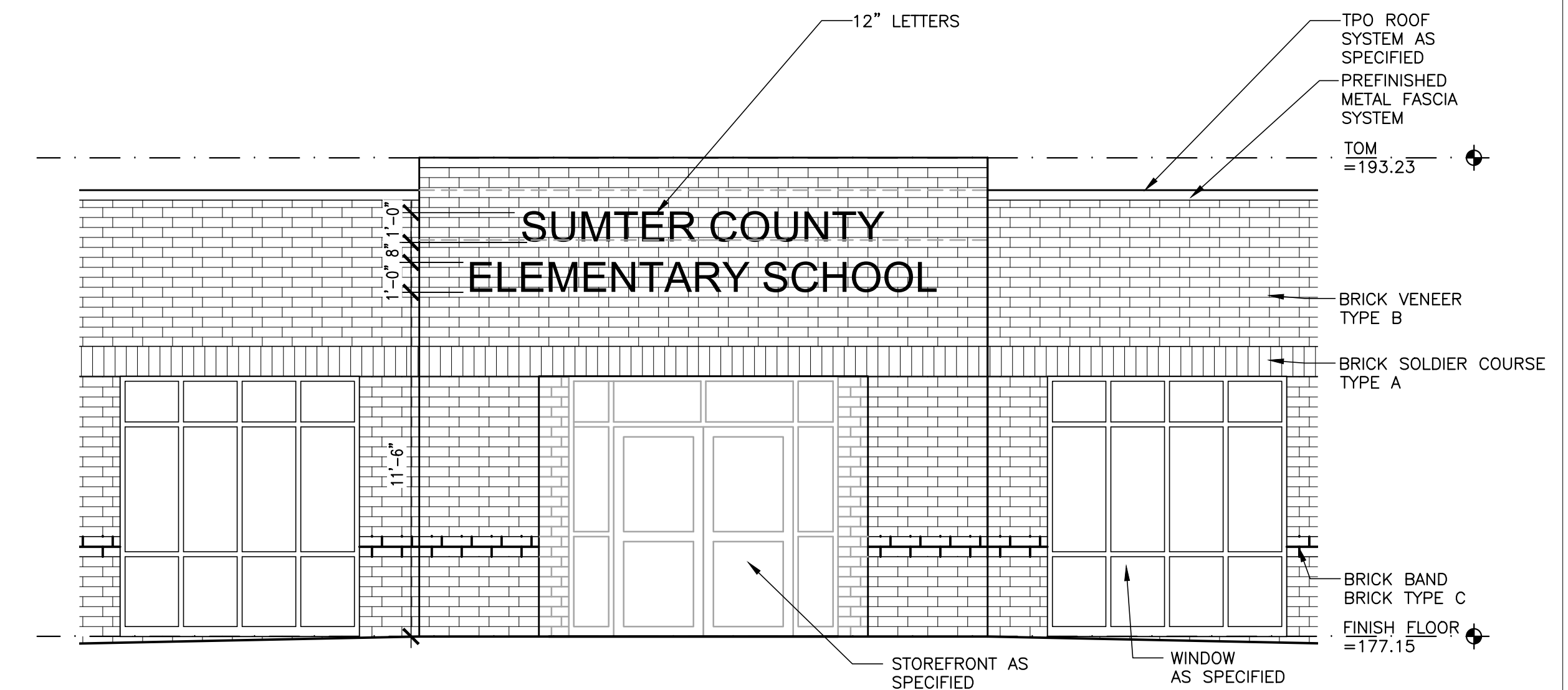
B ELEVATION
SCALE: 3/32" = 1'-0"



C ELEVATION
SCALE: 3/32" = 1'-0"

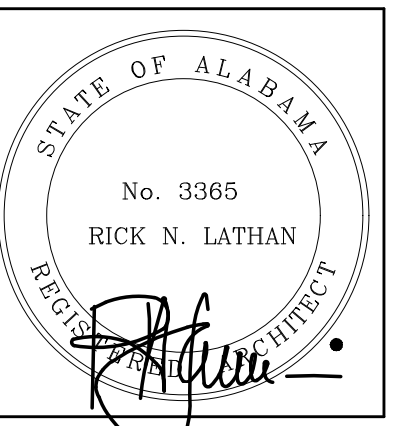


D ELEVATION
SCALE: 3/32" = 1'-0"



E ENLARGED ELEVATION
SCALE: 1/4" = 1'-0"

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION



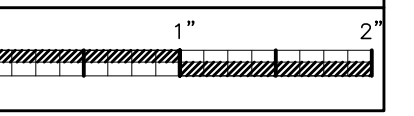
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ELEVATIONS

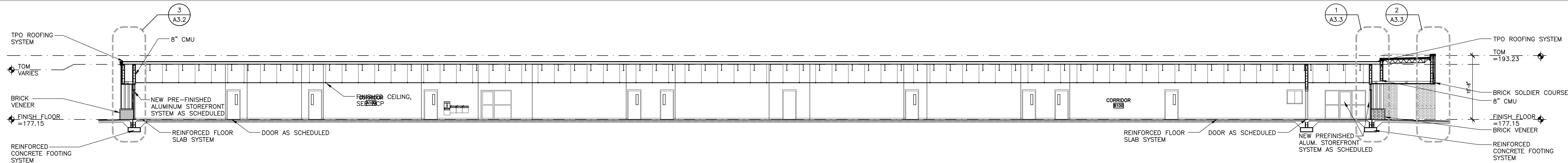
PROJ. MGR.: R. VERNON
DRAWN: JWW
DATE: 6/24/2024
REVISIONS

JOB NO. 24-38

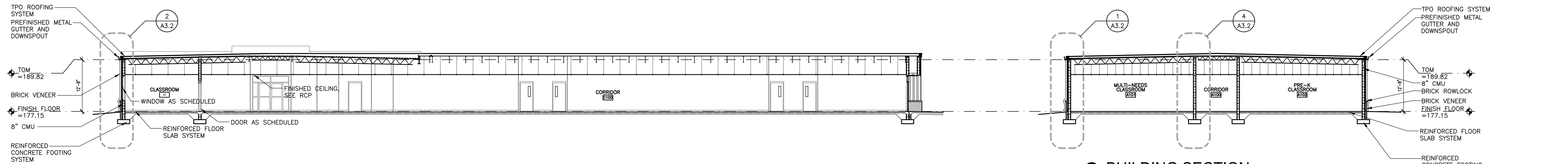
SHEET NO:

A3.0
8 OF 27

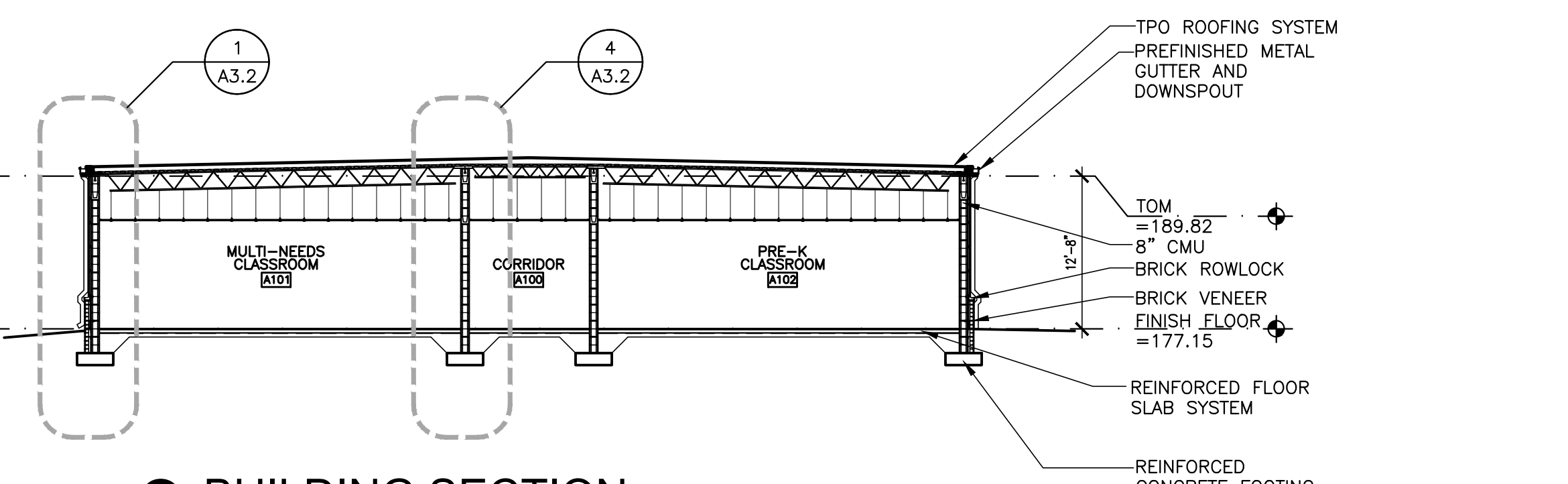




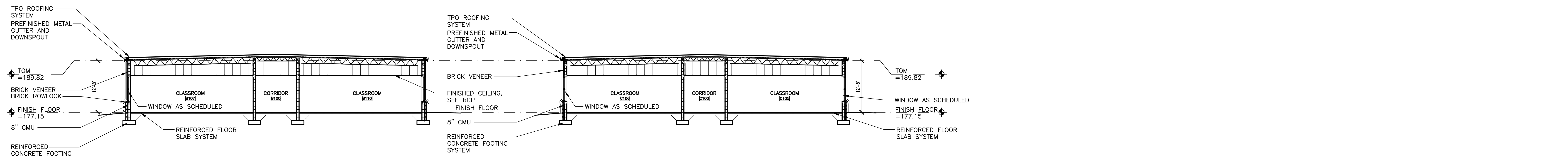
1 BUILDING SECTION
SCALE: 3/32" = 1'-0"



2 BUILDING SECTION
SCALE: 3/32" = 1'-0"



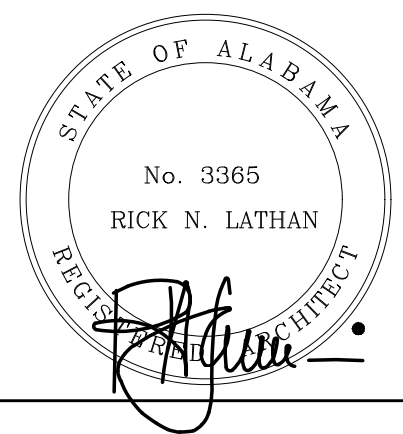
3 BUILDING SECTION
SCALE: 3/32" = 1'-0"



4 BUILDING SECTION
SCALE: 3/32" = 1'-0"

5 BUILDING SECTION
SCALE: 3/32" = 1'-0"

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION



SHEET TITLE:
BUILDING SECTIONS

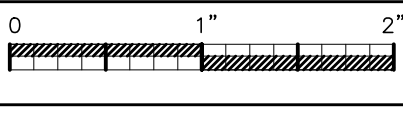
PROJ. MGR.: R. VERNON
DRAWN: JWW
DATE: 6/24/2024
REVISIONS

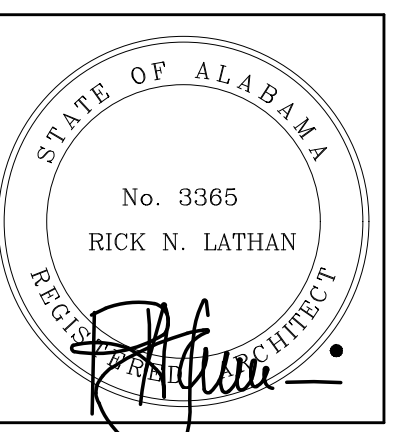
JOB NO. 24-38

SHEET NO:

A3.1

9 OF 27





SHEET TITLE:
WALL SECTIONS

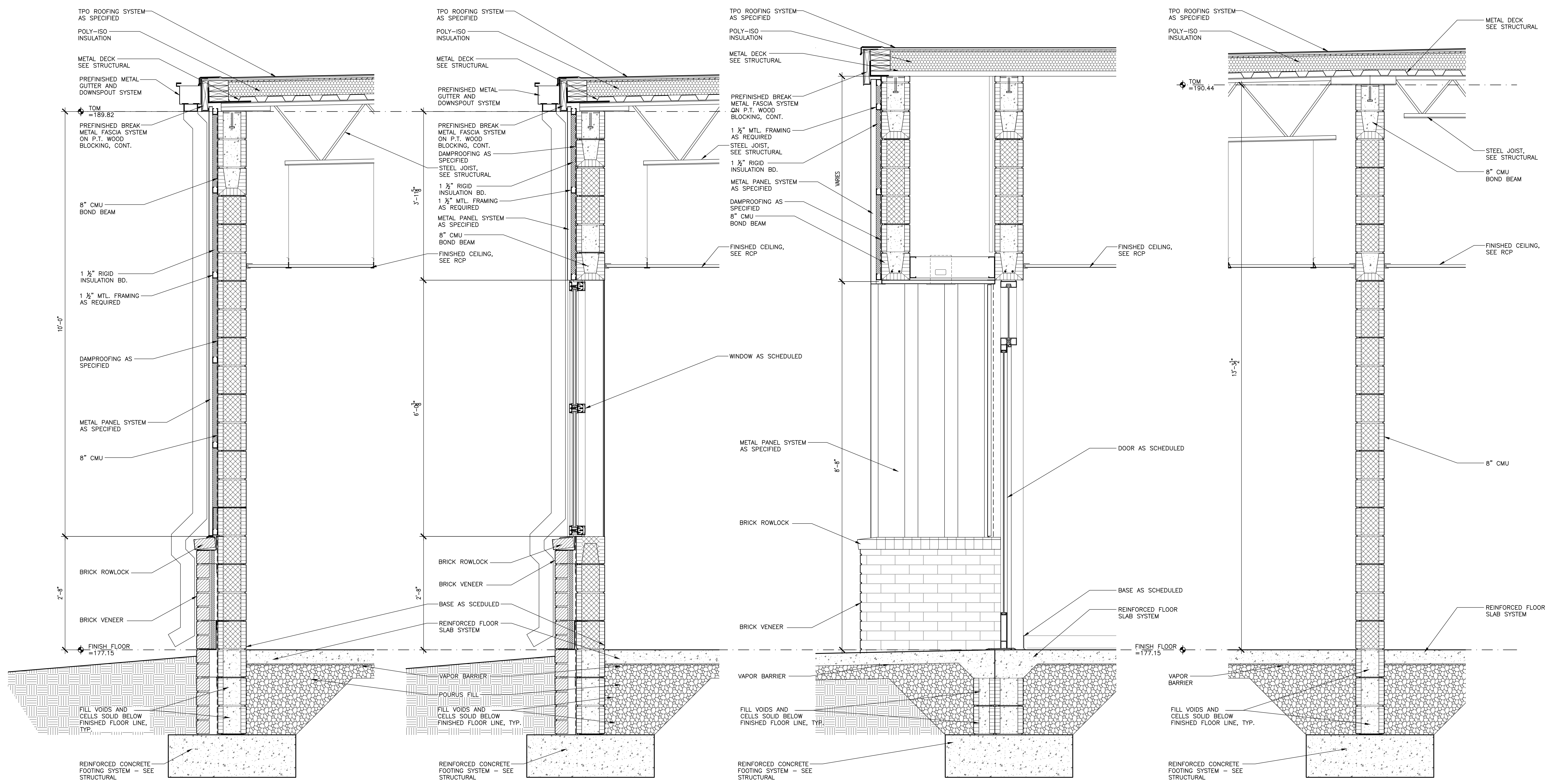
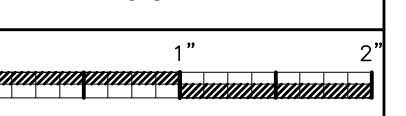
PROJ. MGR.: R. VERNON
DRAWN: JWW
IDR
DATE: 6/24/2024
REVISIONS

JOB NO. 24-38

SHEET NO:

A3.2

10 OF 27

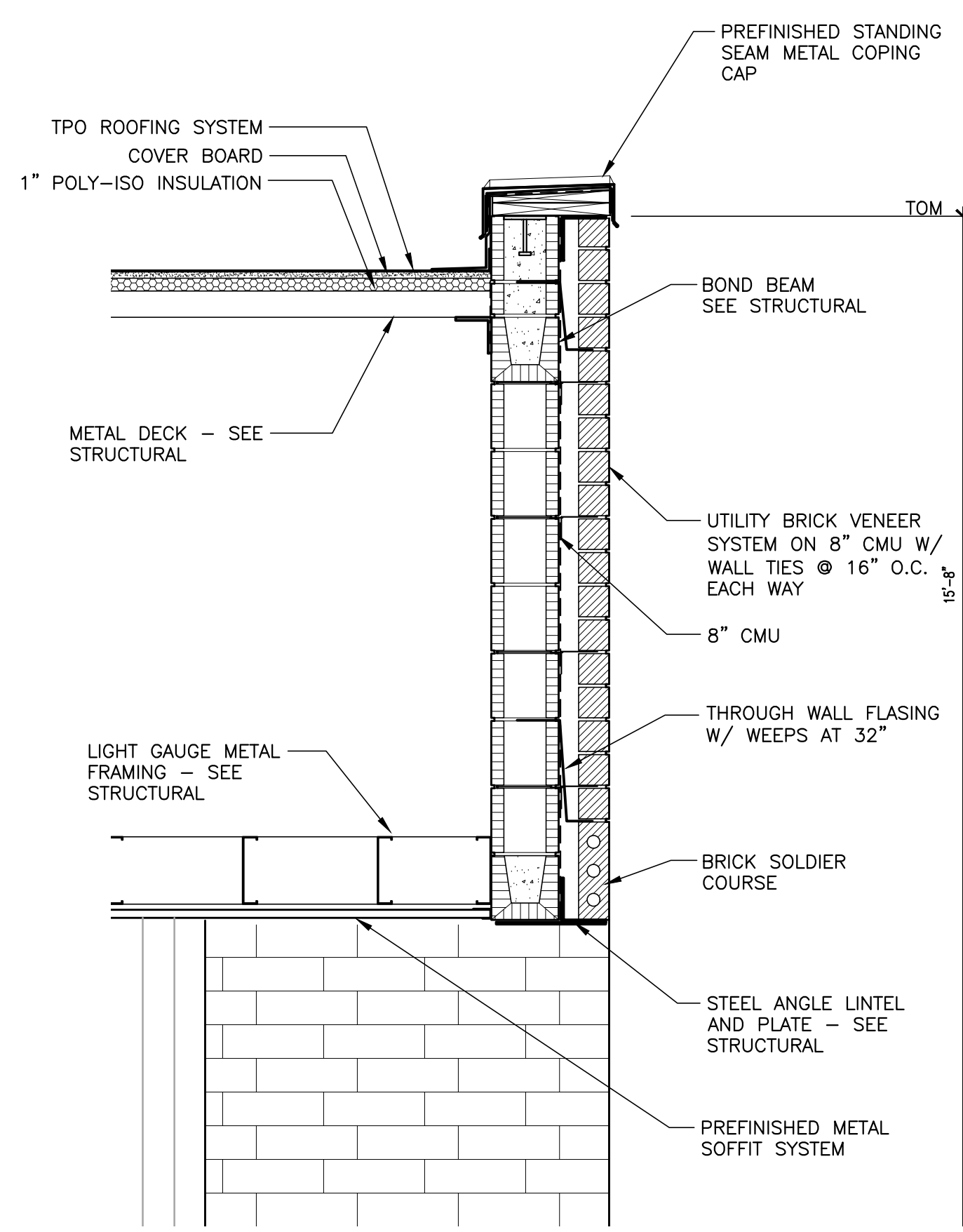


1 WALL SECTION
SCALE: 1" = 1'-0"

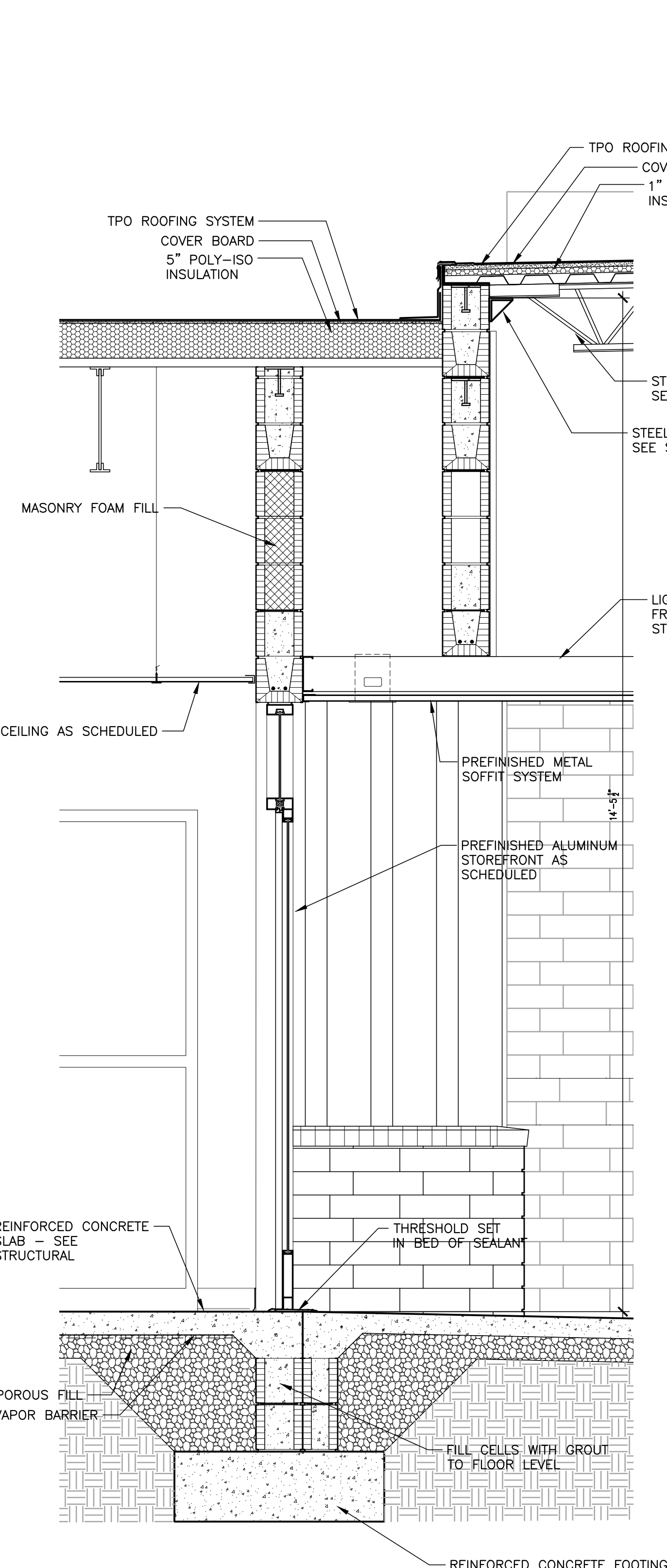
2 WALL SECTION
SCALE: 1" = 1'-0"

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

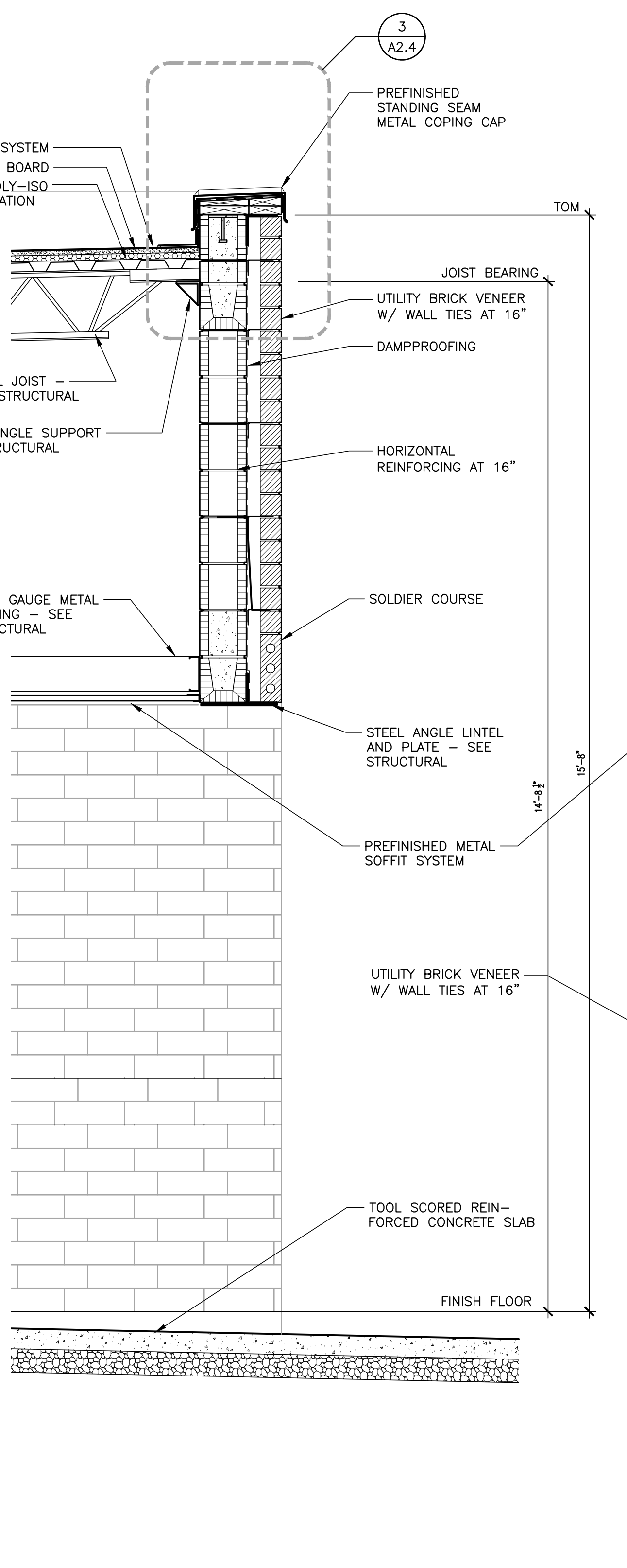
4 WALL SECTION
SCALE: 1" = 1'-0"



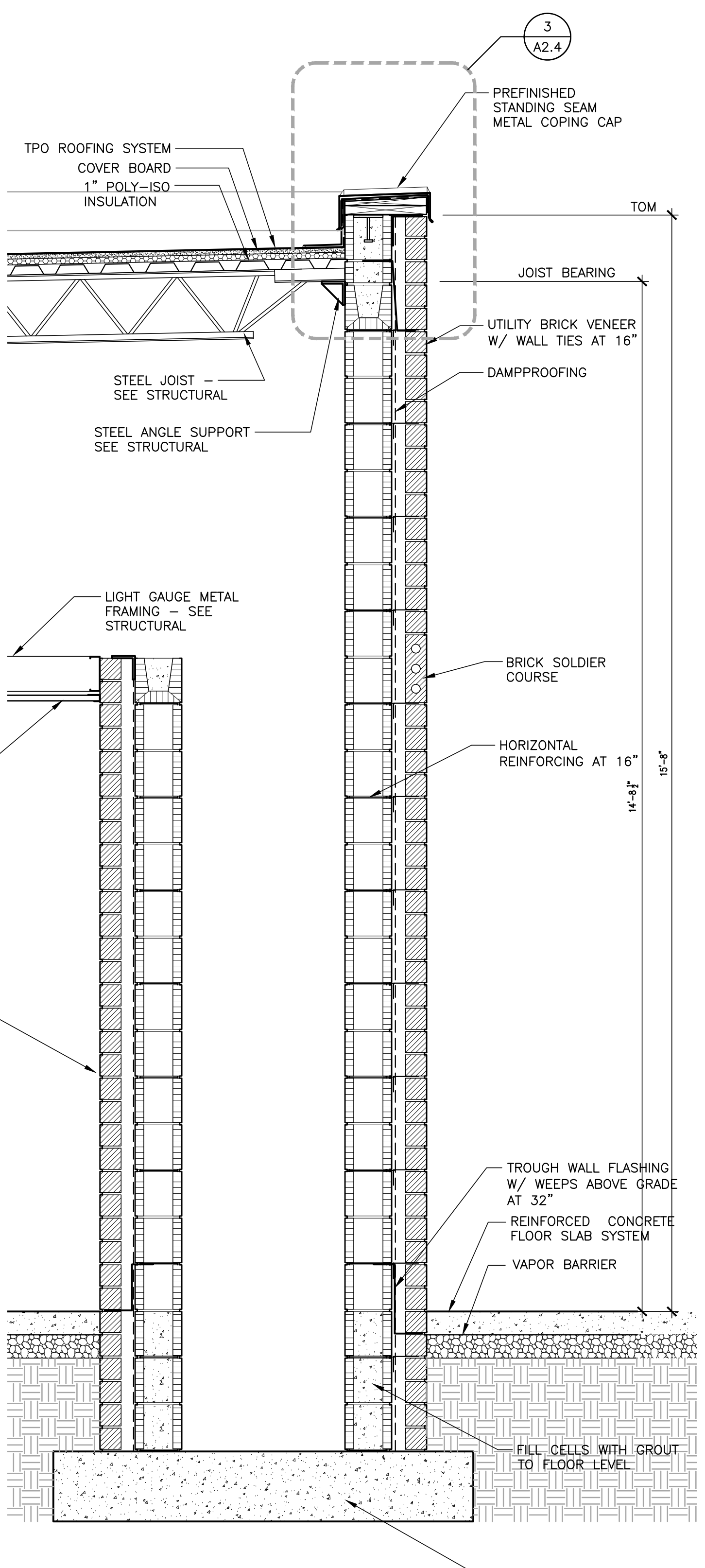
6 WALL SECTION
SCALE: 3/4" = 1'-0"



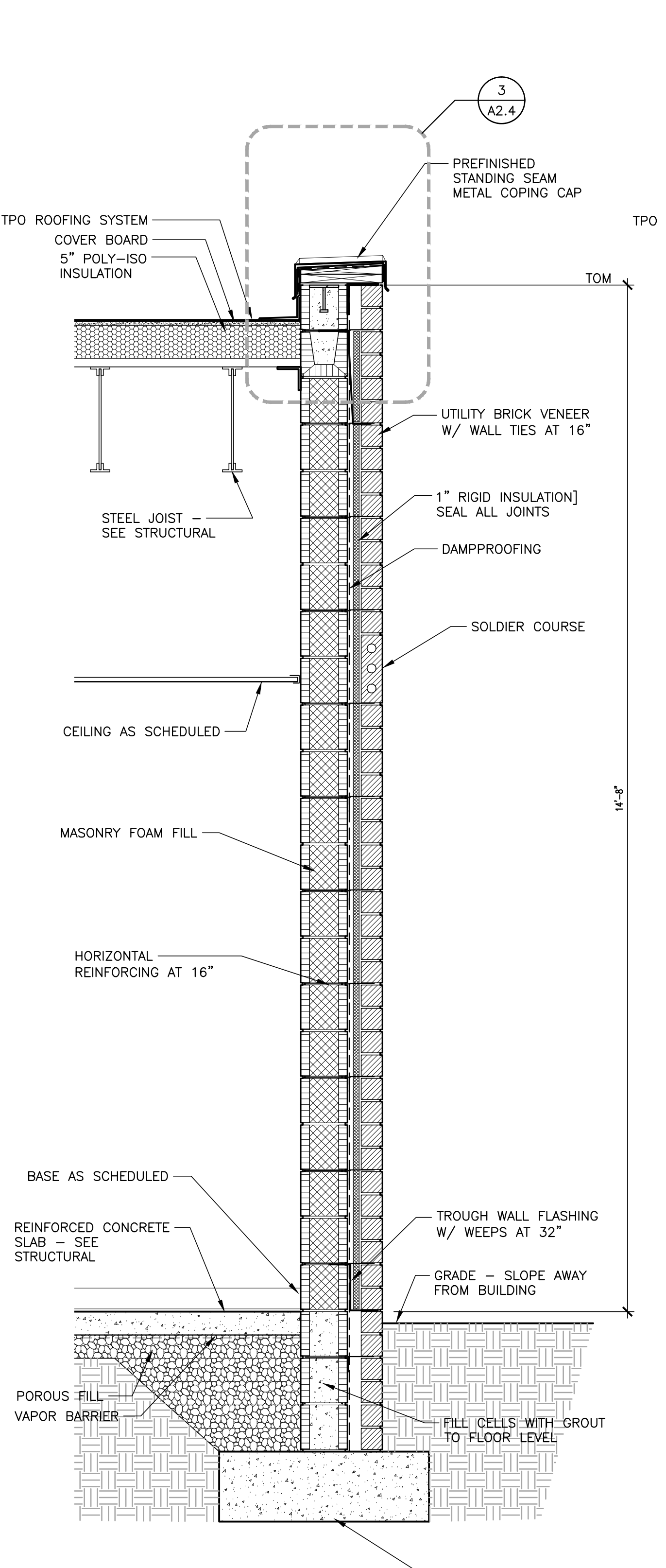
1 WALL SECTION
SCALE: 3/4" = 1'-0"



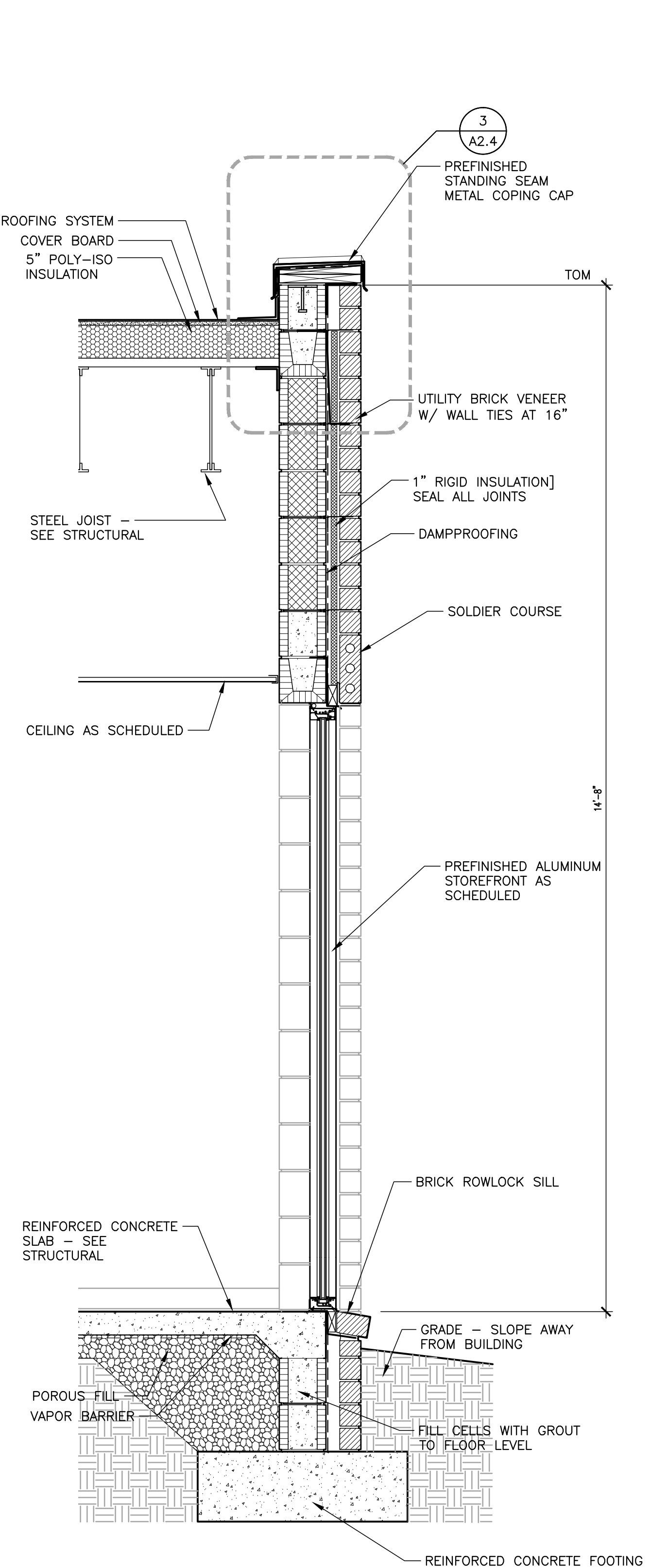
2 WALL SECTION
SCALE: 3/4" = 1'-0"



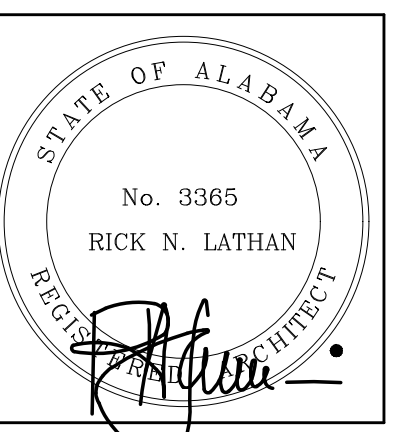
3 WALL SECTION
SCALE: 3/4" = 1'-0"



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



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



SHEET TITLE:
SHELTER ELEVATIONS AND
PLANS

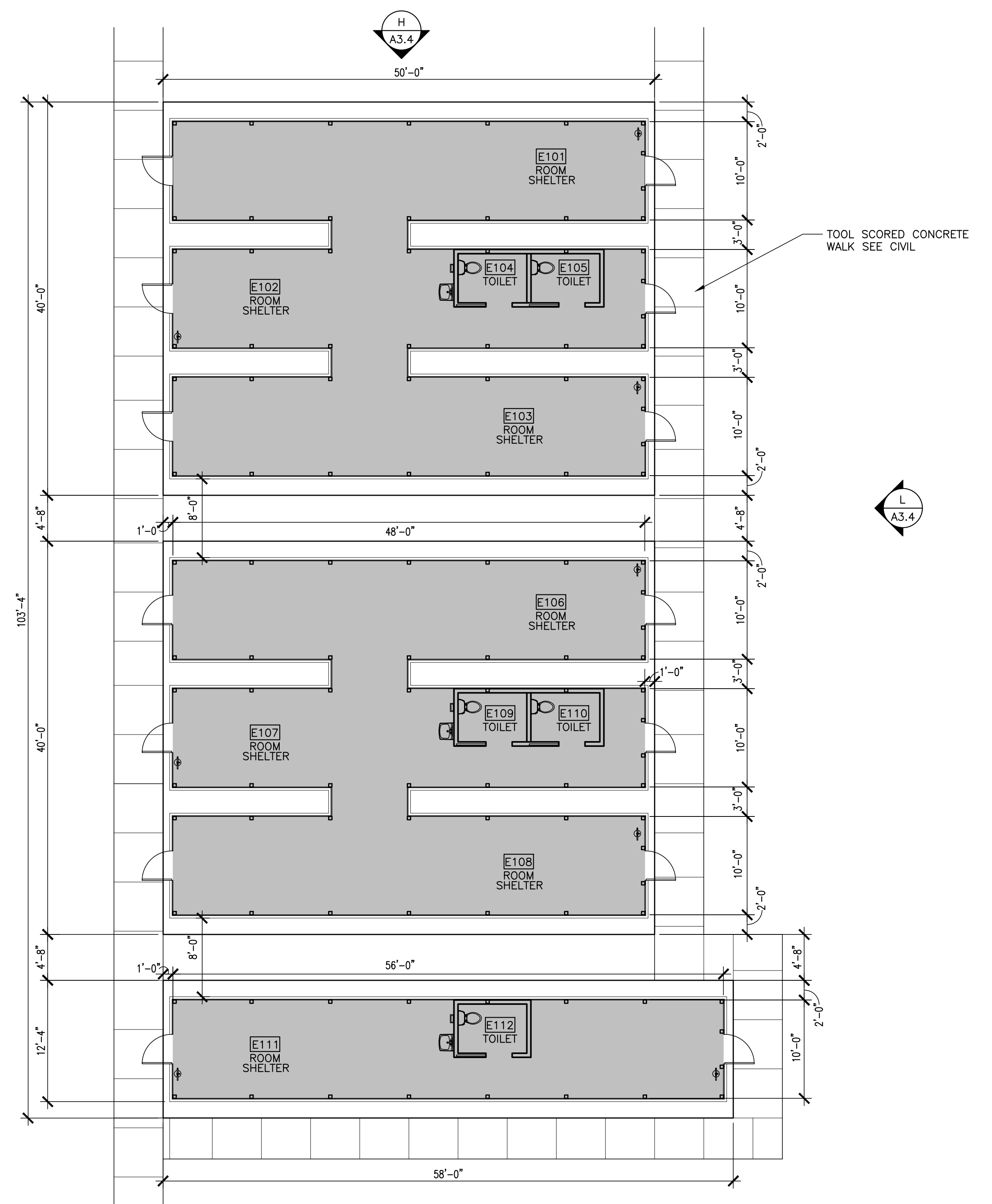
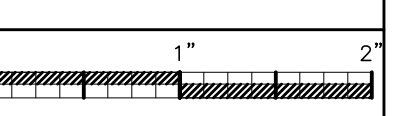
PROJ. MGR.: R. VERNON
DRAWN: JWW
DATE: 6/24/2024
REVISIONS

JOB NO. 24-38

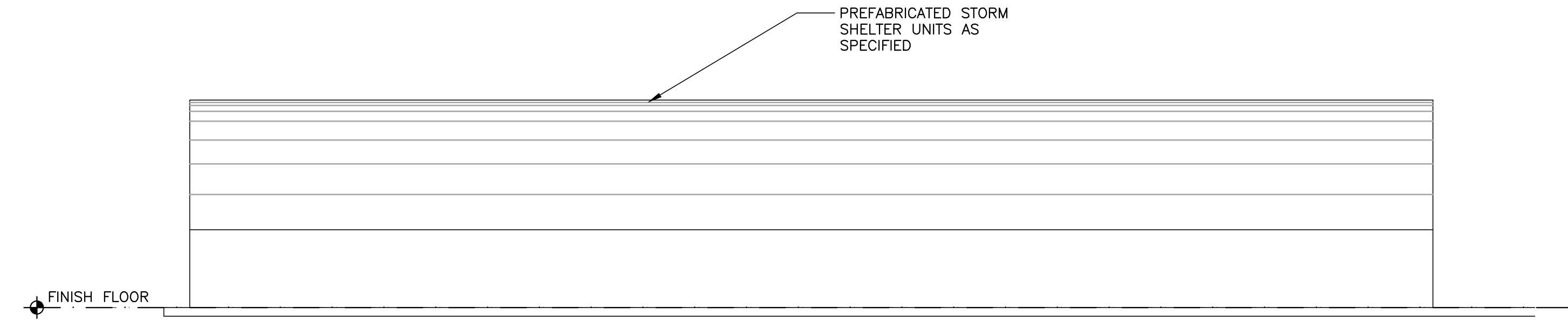
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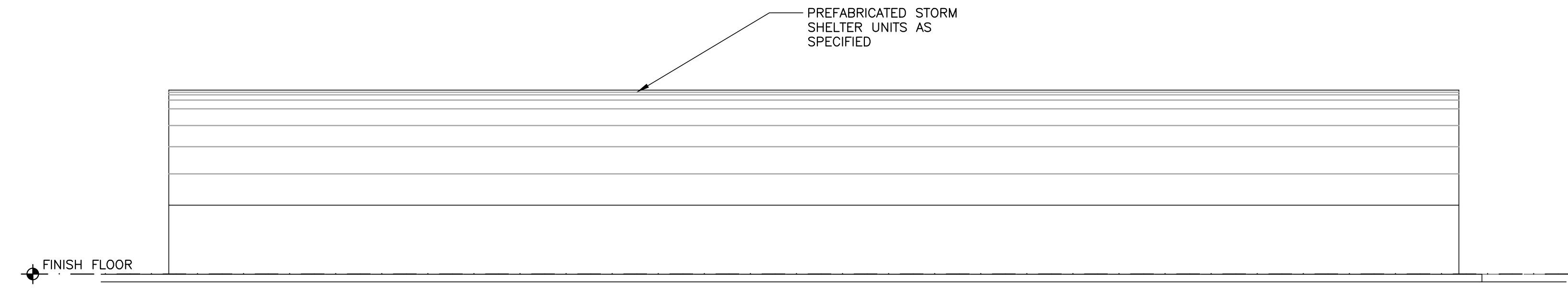
12 OF 27



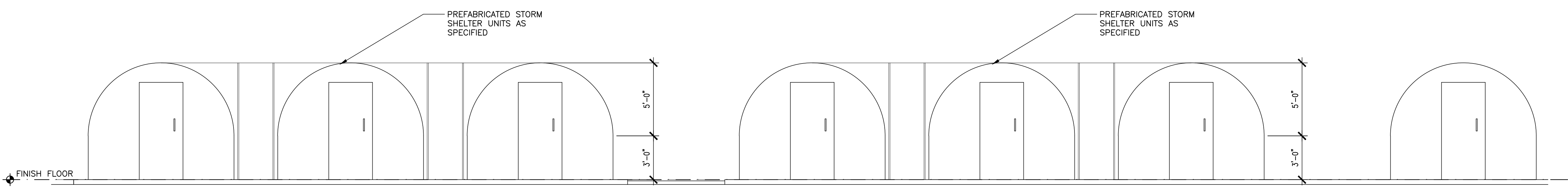
1 SHELTER FLOOR PLAN
1/8" = 1'-0"



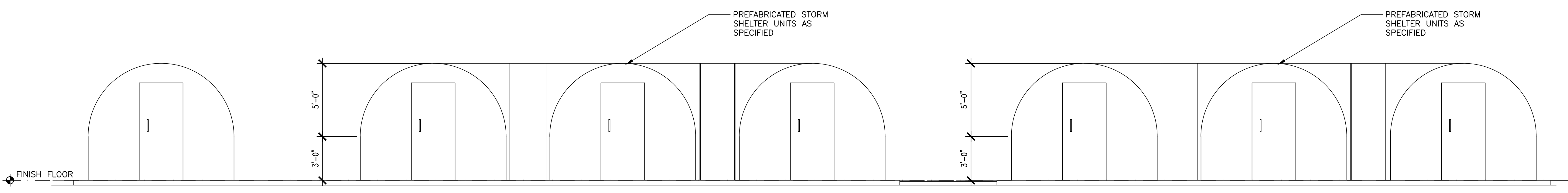
H SHELTER ELEVATION
1/4" = 1'-0"



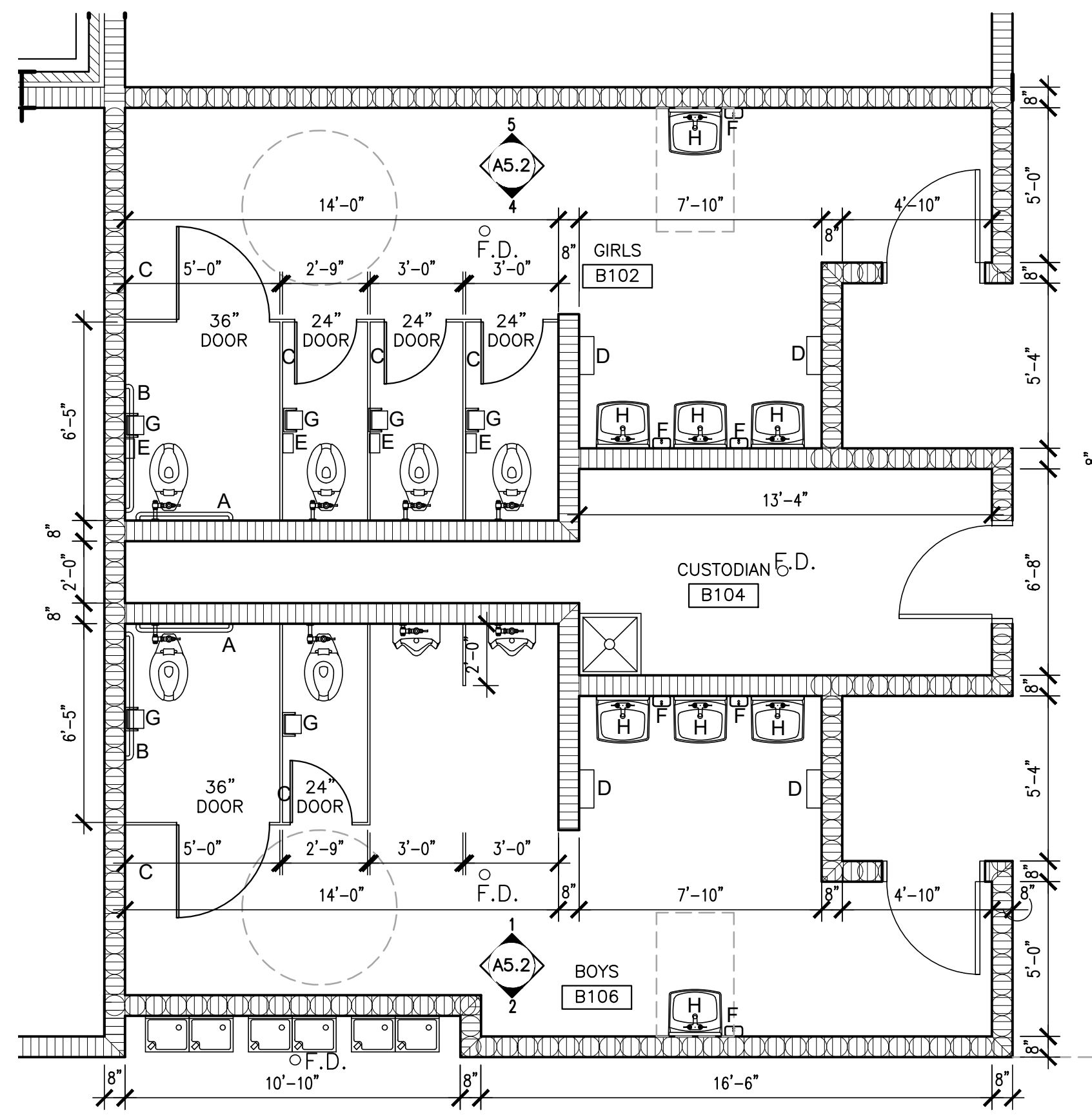
J SHELTER ELEVATION
1/4" = 1'-0"



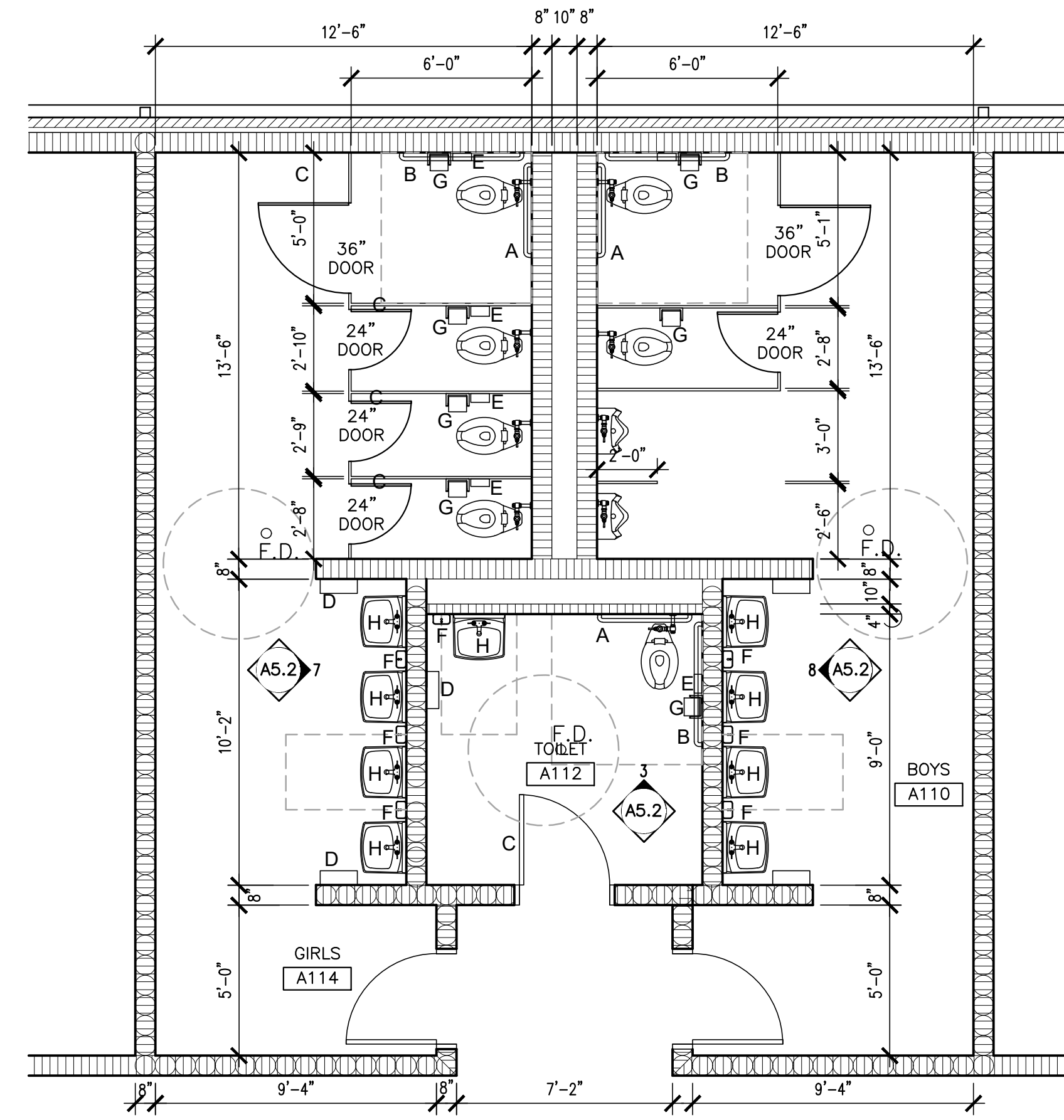
K SHELTER ELEVATION
1/4" = 1'-0"



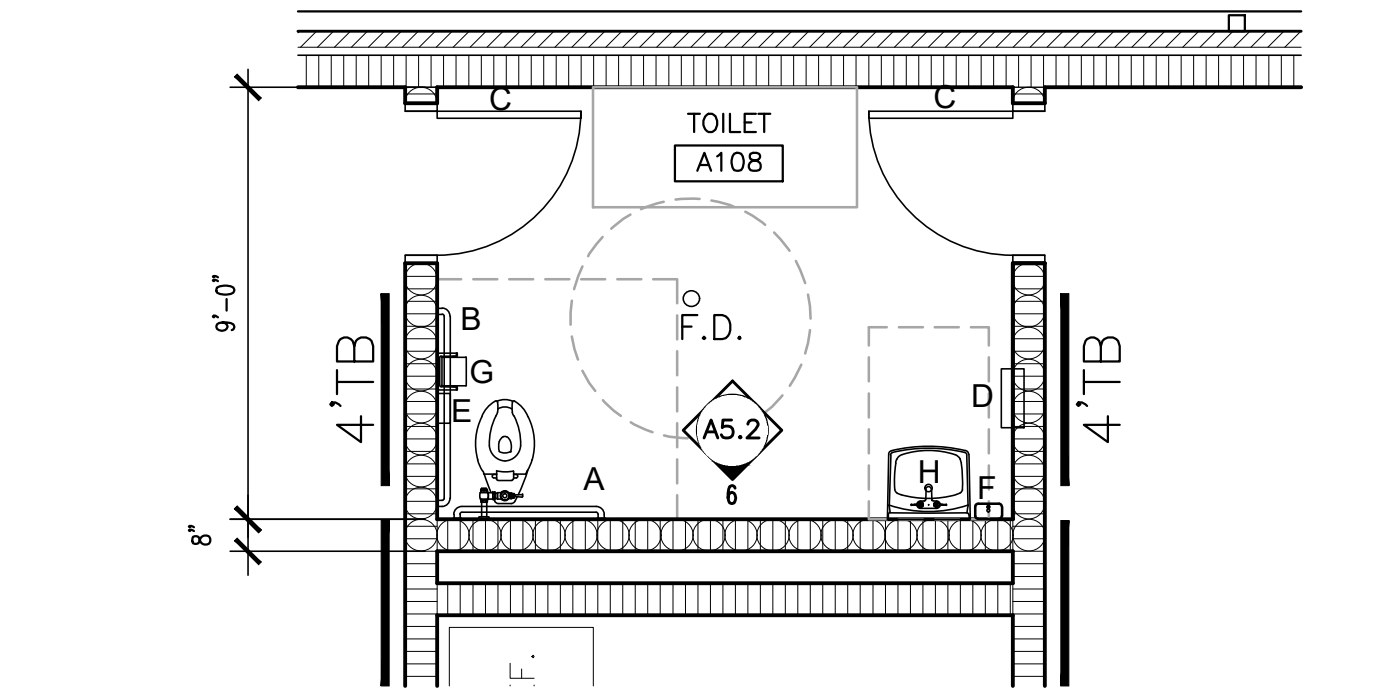
L SHELTER ELEVATION
1/4" = 1'-0"



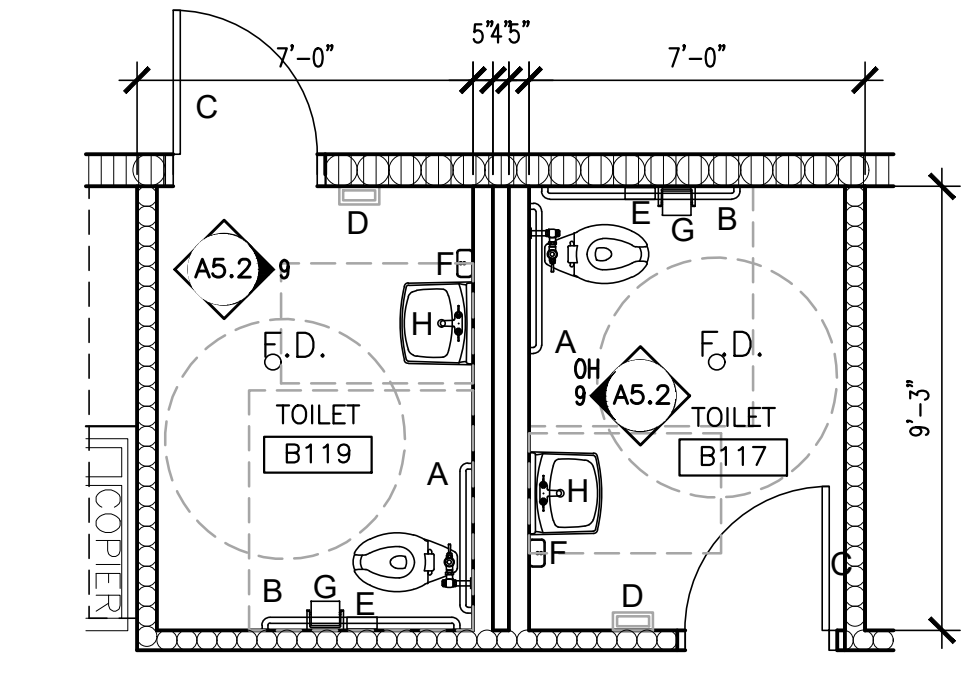
1 PARTIAL ENLARGED PLAN @BOYS B106, CUSTODIAN B104, GIRLS B102
SCALE: 1/4" = 1'-0"



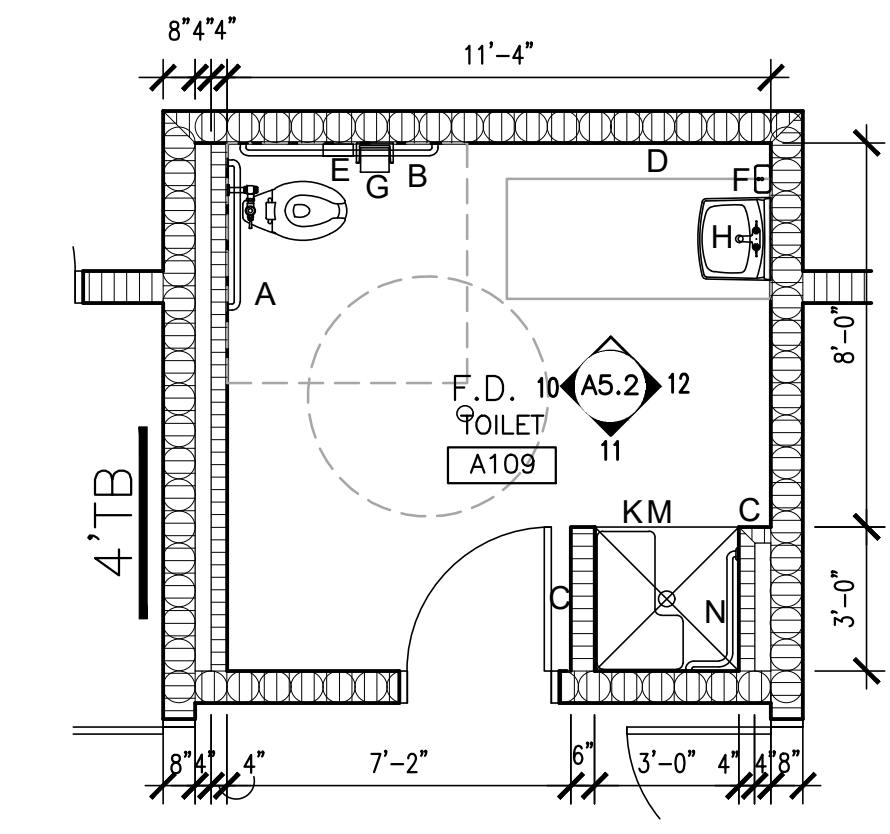
2 PARTIAL ENLARGED PLAN @GIRLS A114, TOILET A112, BOYS A110
SCALE: 1/4" = 1'-0"



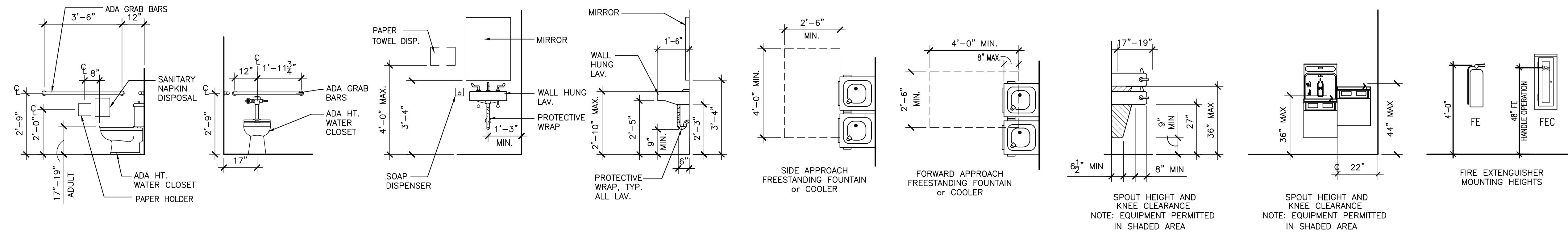
3 PARTIAL ENLARGED PLAN @TOILET A108
SCALE: 1/4" = 1'-0"



4 PARTIAL ENLARGED PLAN @TOILET B119, TOILET B117
SCALE: 1/4" = 1'-0"

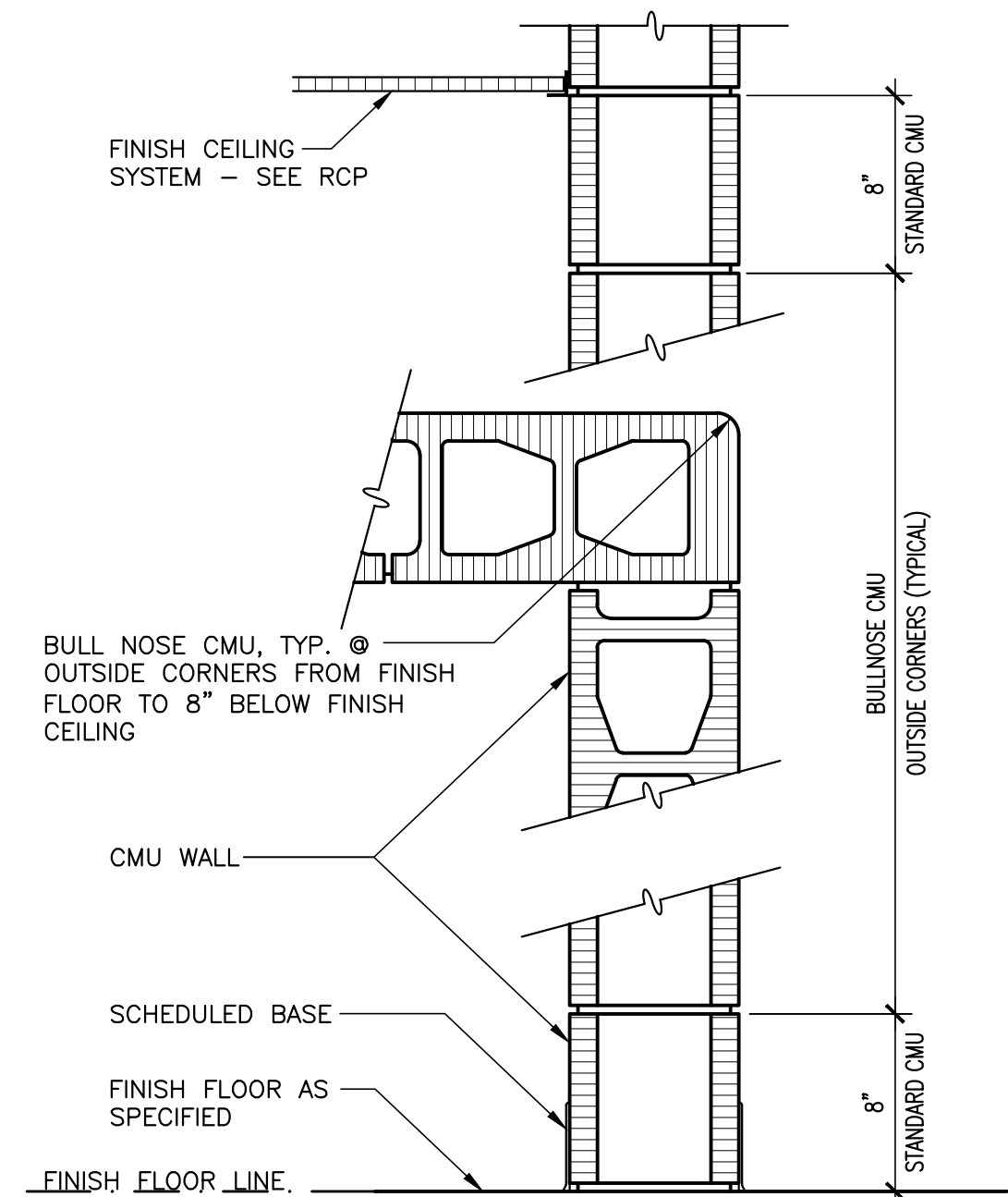


5 PARTIAL ENLARGED PLAN @GTOILET A109
SCALE: 1/4" = 1'-0"

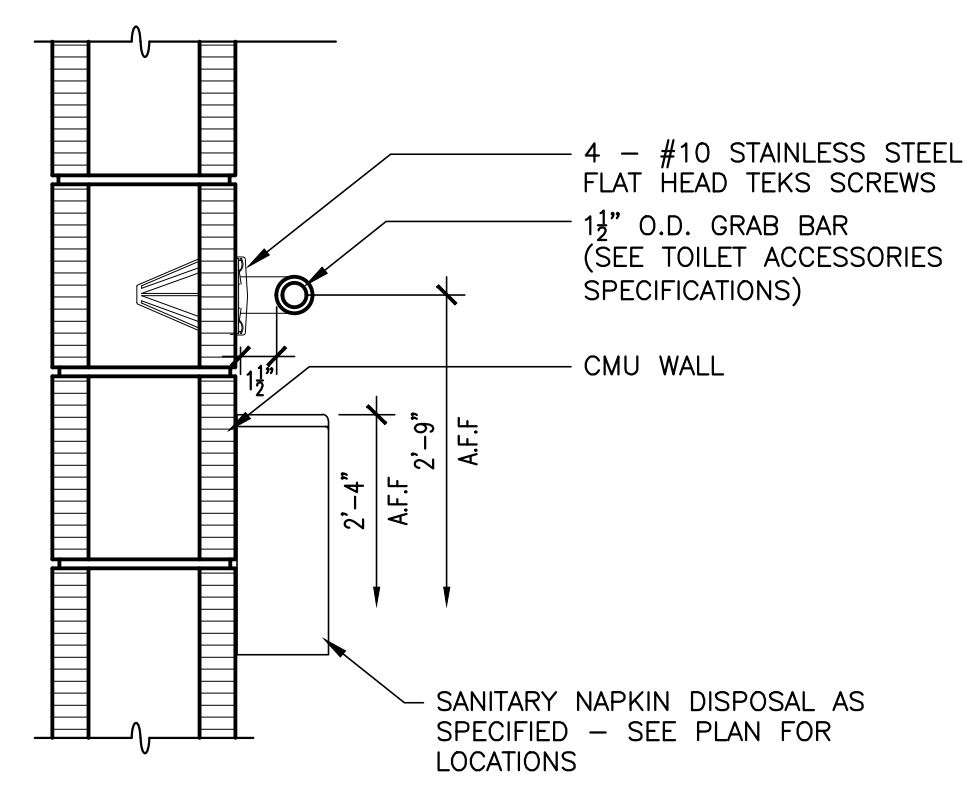


TYPICAL ADA DETAILS
SCALE: 3/8" = 1'-0"

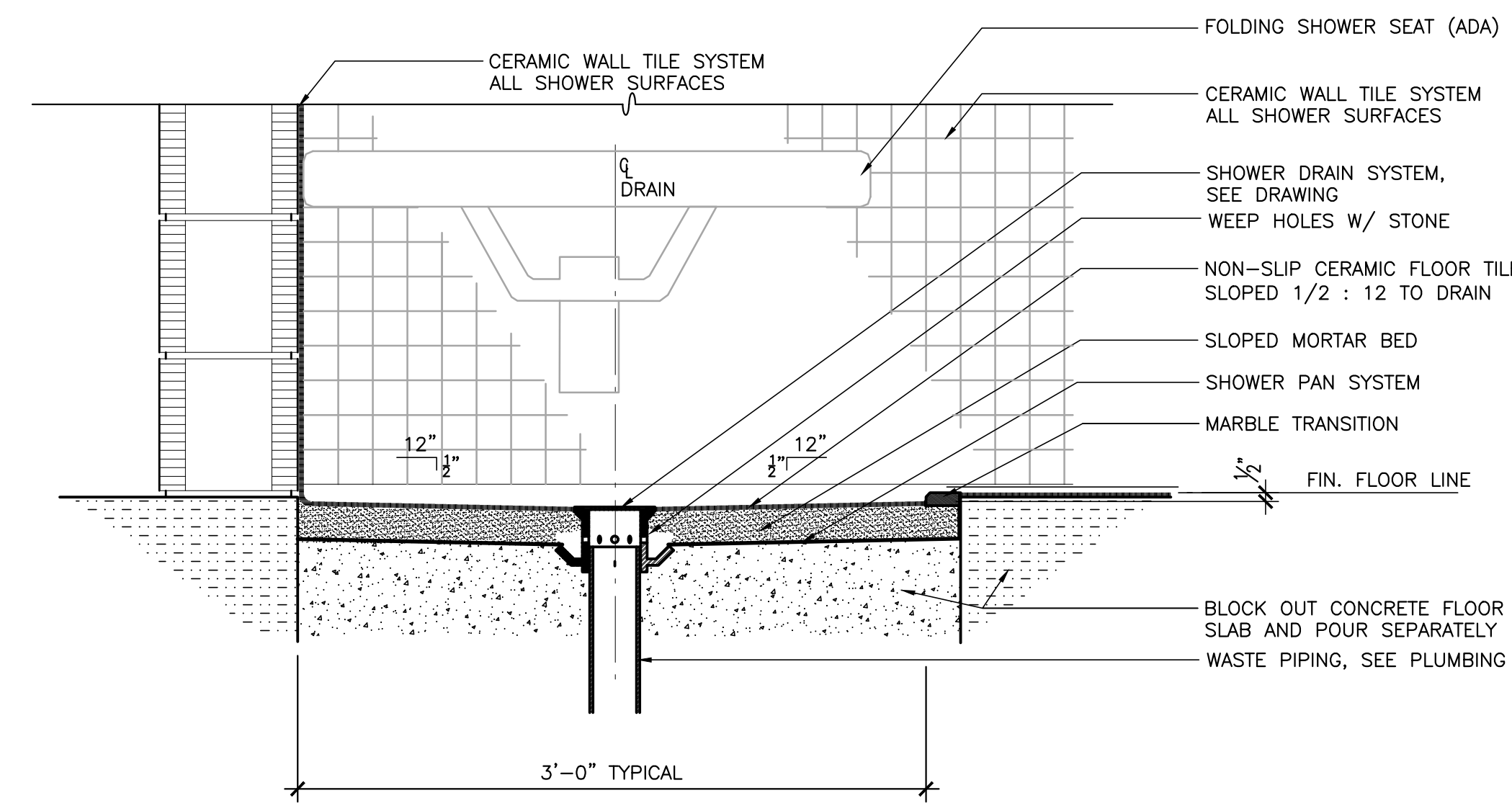
TOILET ACCESSORY LEGEND	
A	36" S.S. GRAB BAR
B	42" S.S. GRAB BAR
C	COAT HOOK (MOUNTED ON INTERIOR STALL DOOR)
D	PAPER TOWEL DISPENSER - (N.I.C.) BY OWNER
E	FEMININE NAPKIN DISPOSAL
F	SOAP DISPENSER - (N.I.C.) BY OWNER
G	TOILET TISSUE DISPENSER - (N.I.C.) BY OWNER
H	FRAMED MIRROR 18" X 30"
J	ELECTRIC HAND DRYER
K	S.S. SHOWER CURTAIN ROD WITH CURTAIN
L	MOP HOLDER
M	REVERSIBLE SHOWER SEAT PER ADA
N	S.S. SHOWER GRAB BAR



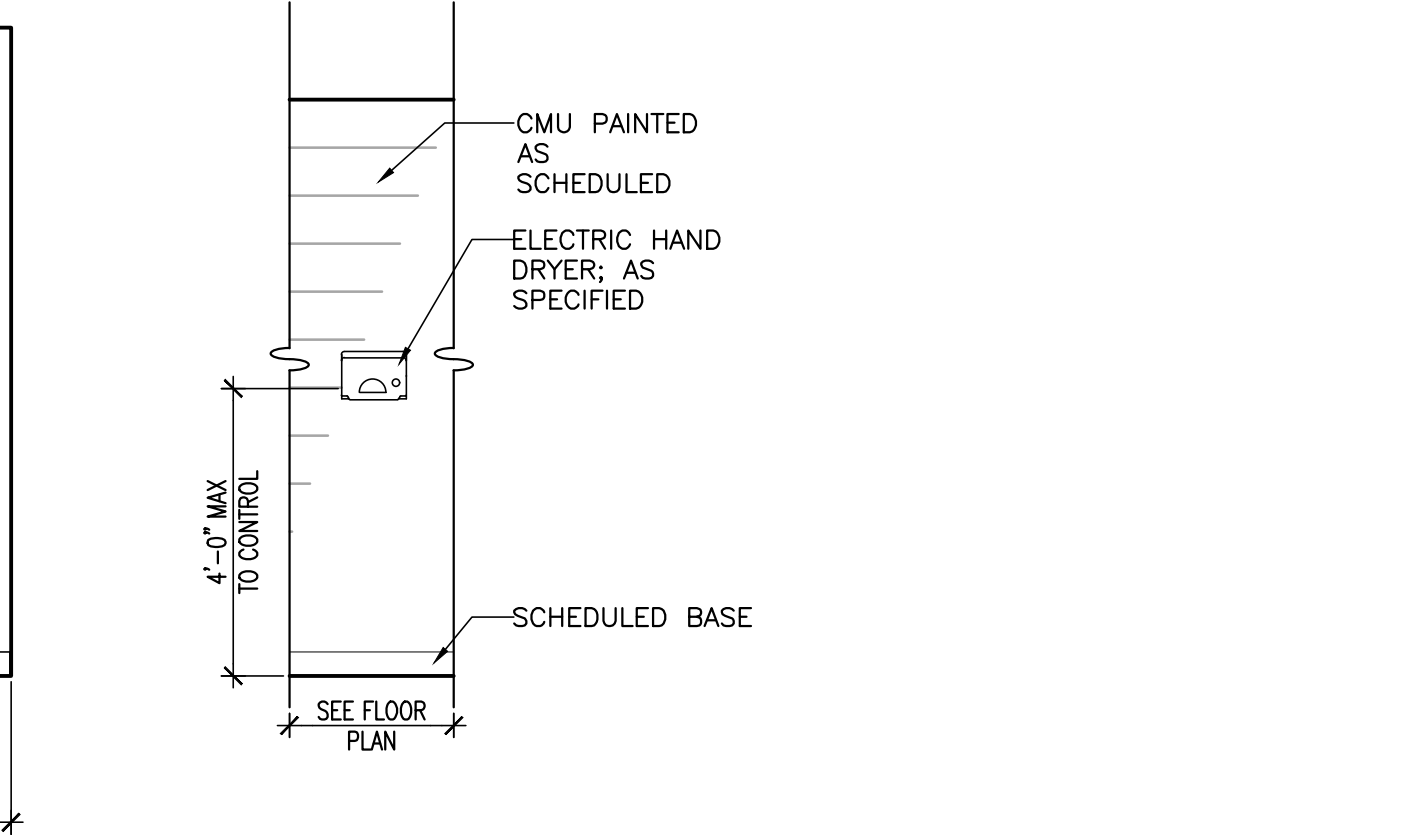
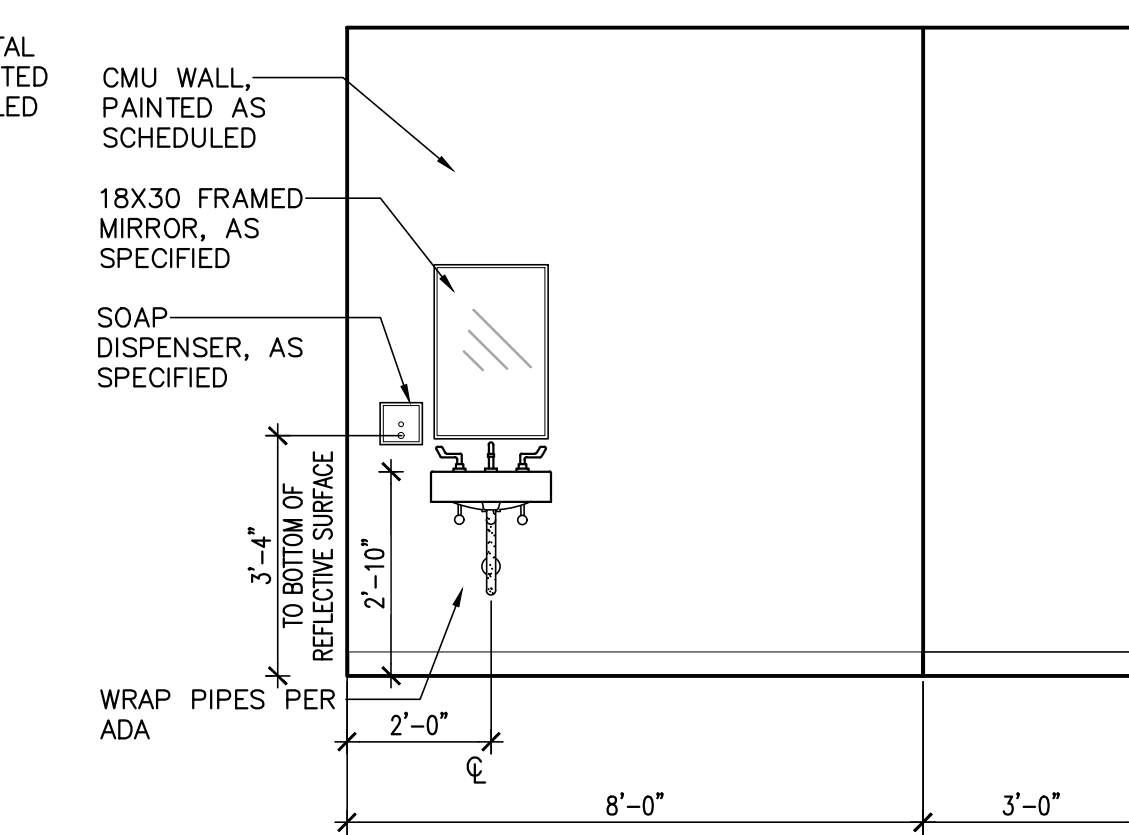
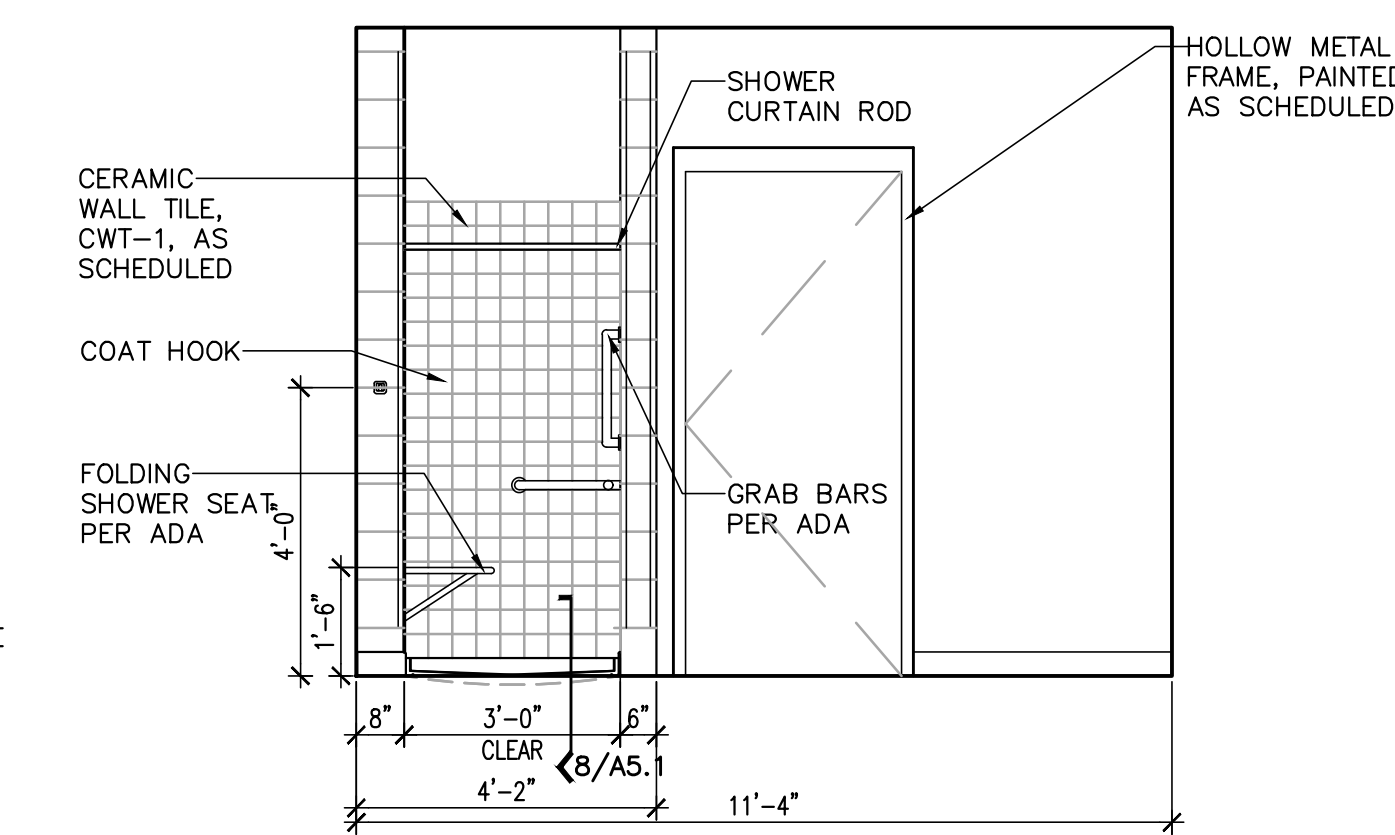
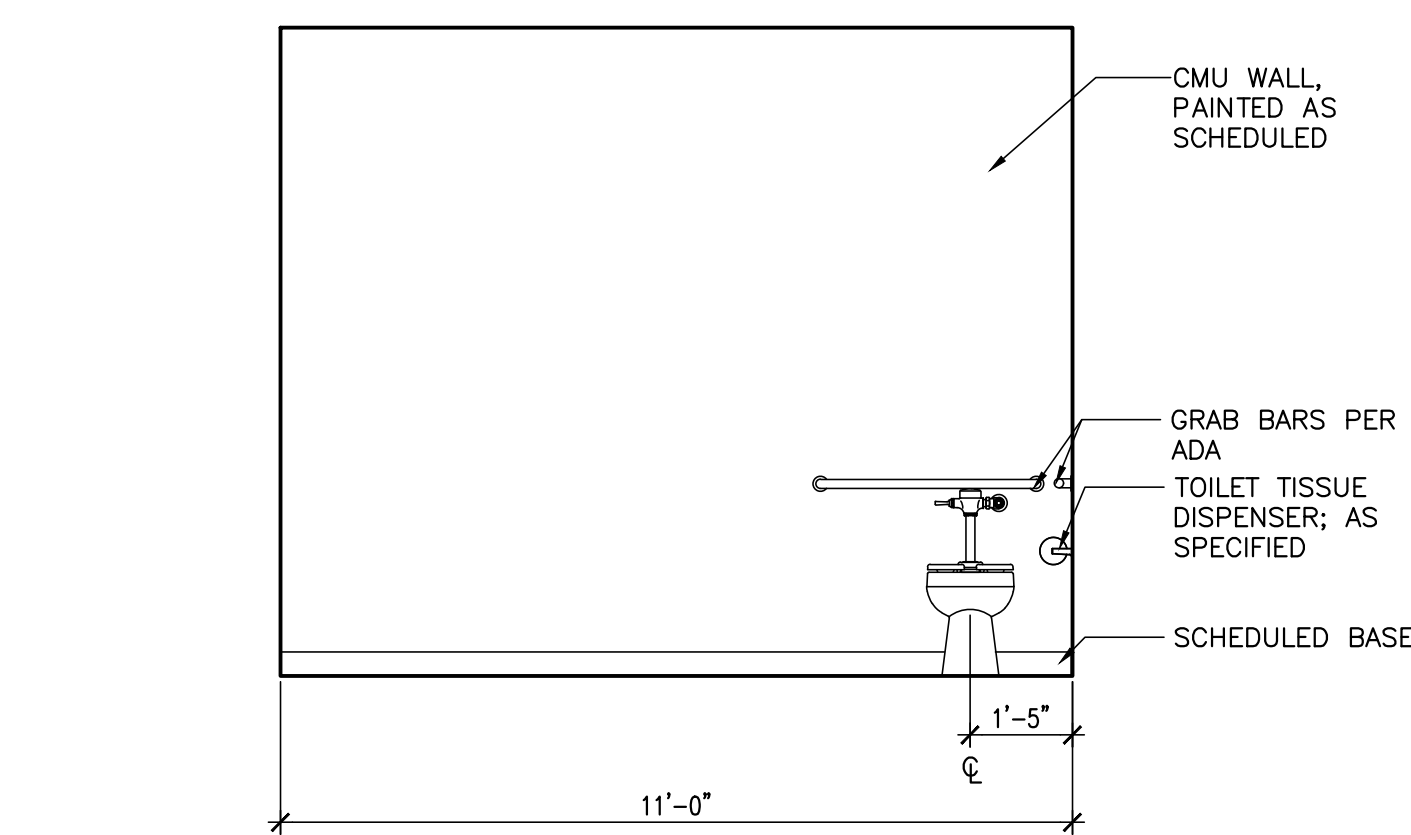
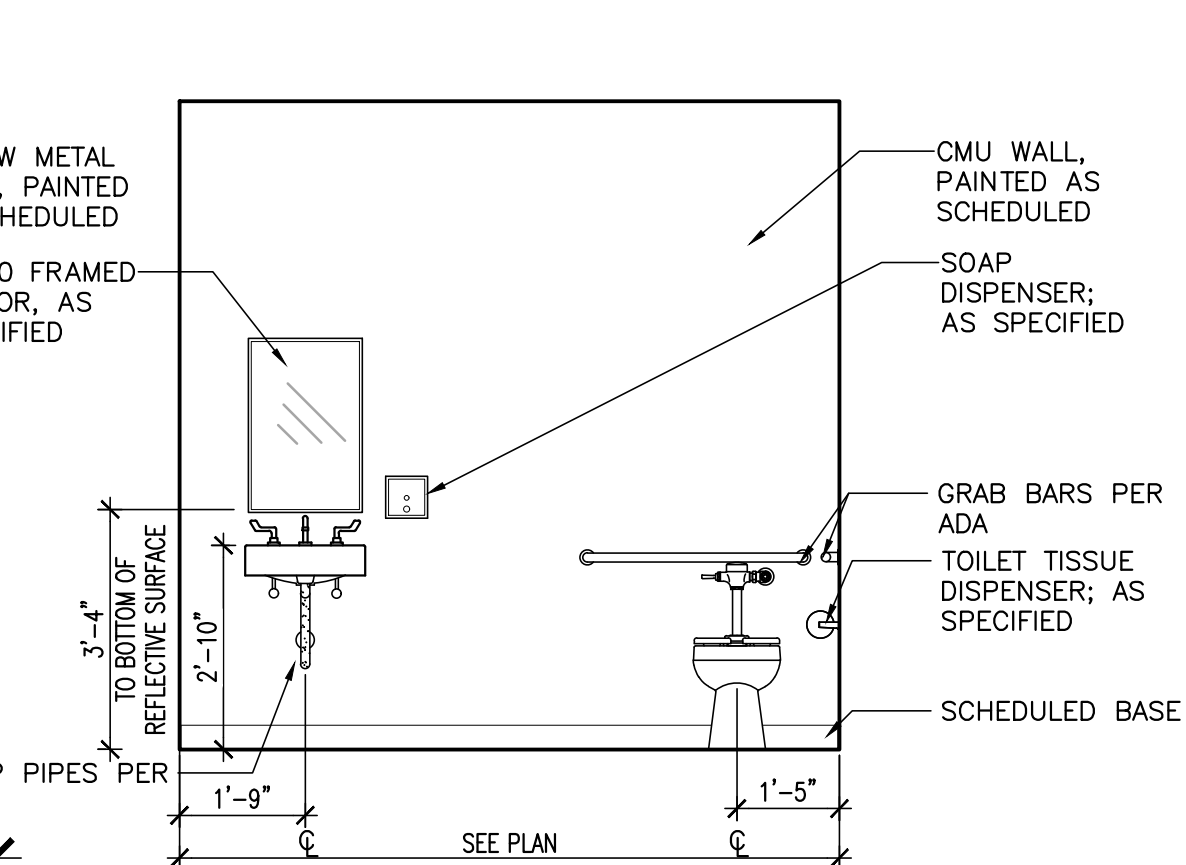
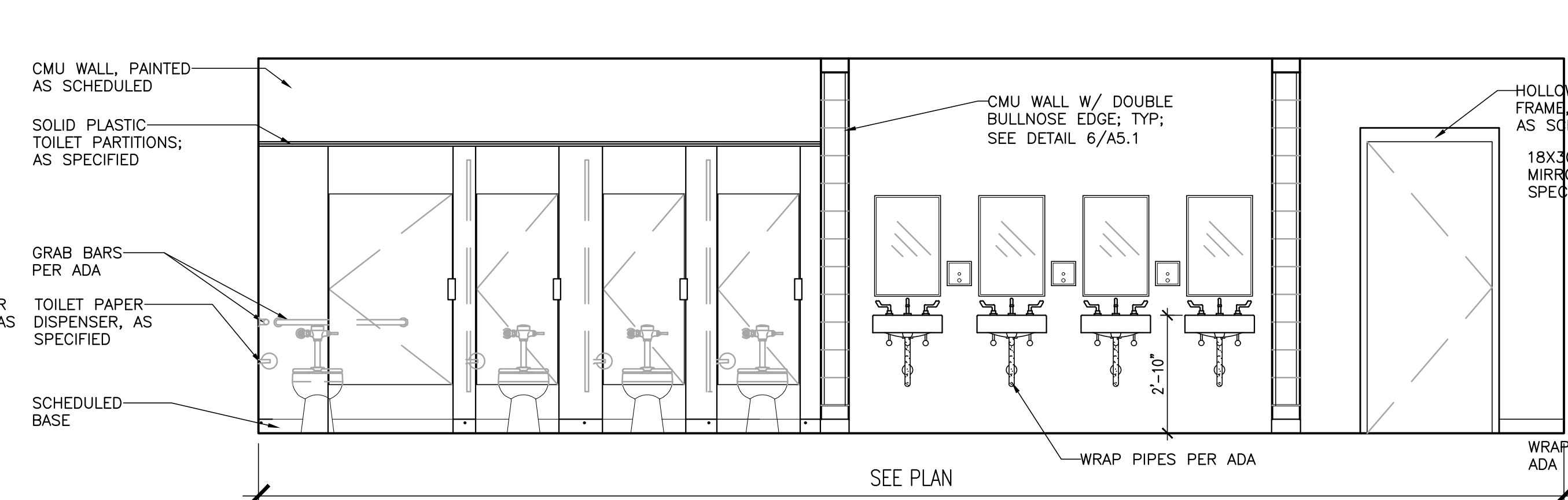
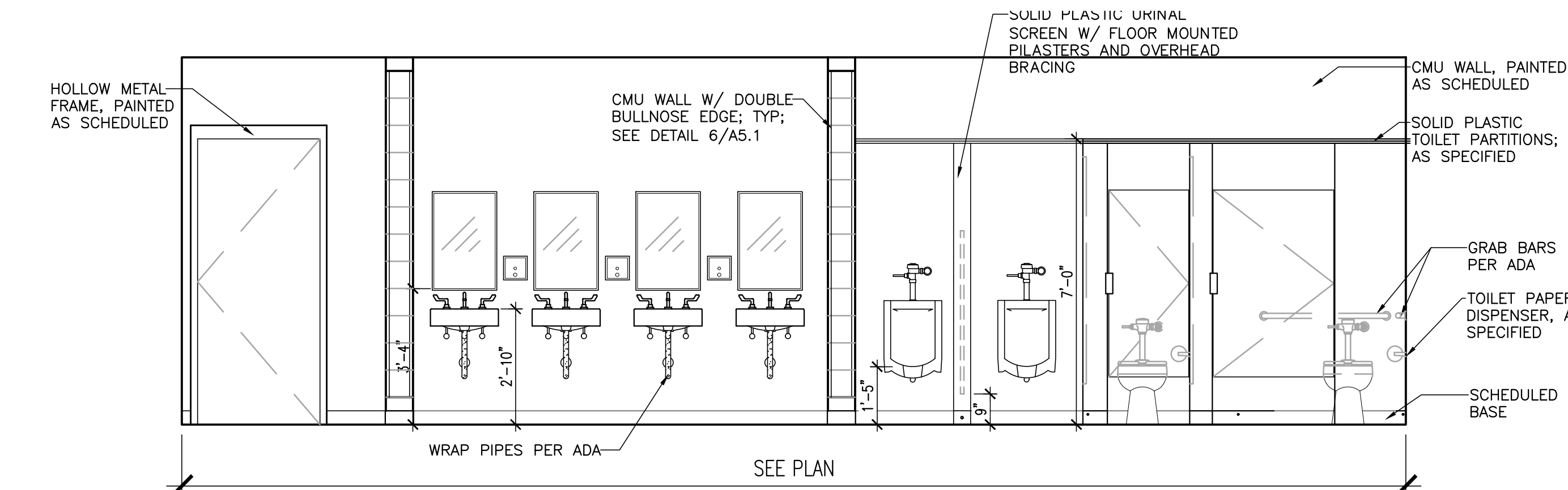
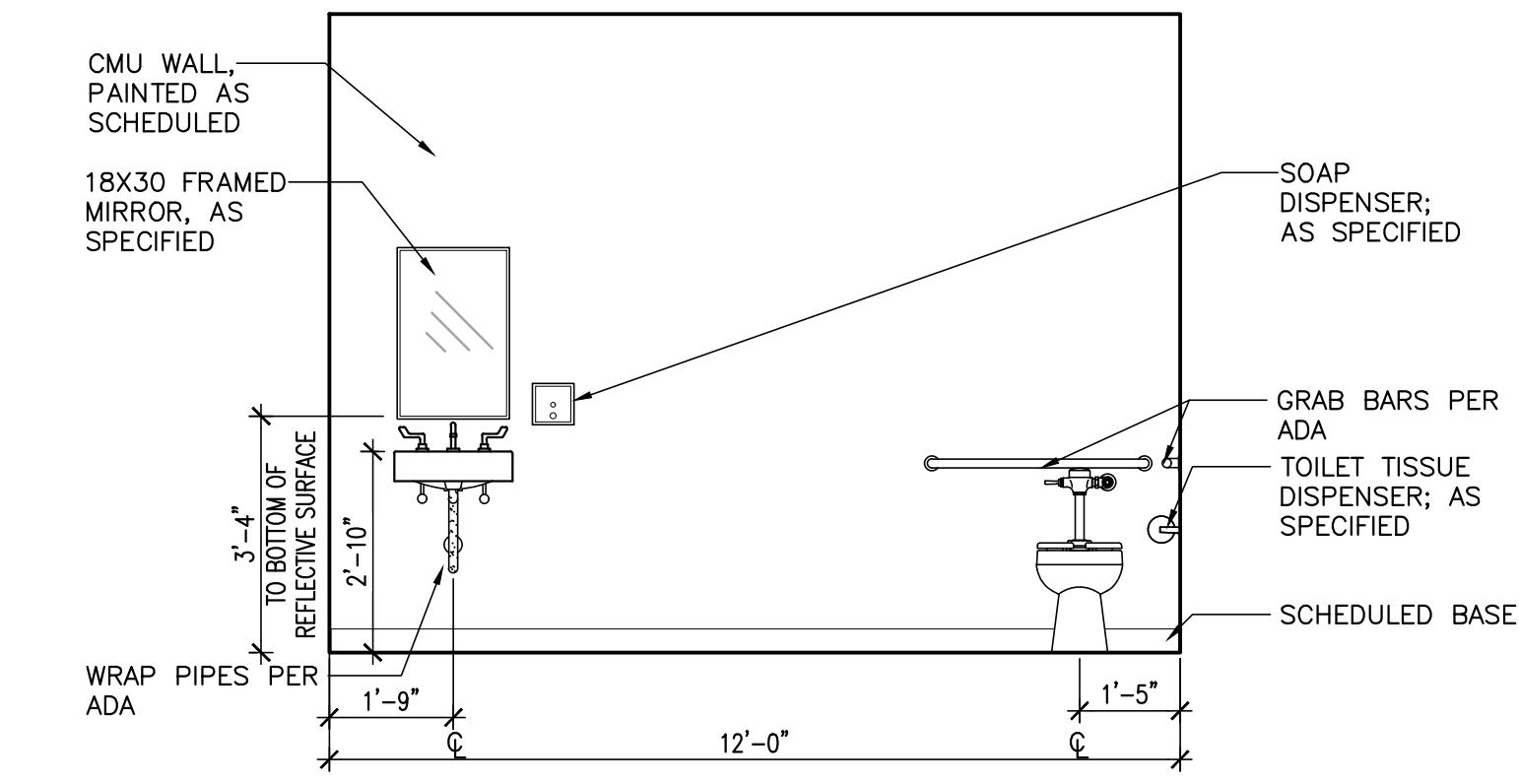
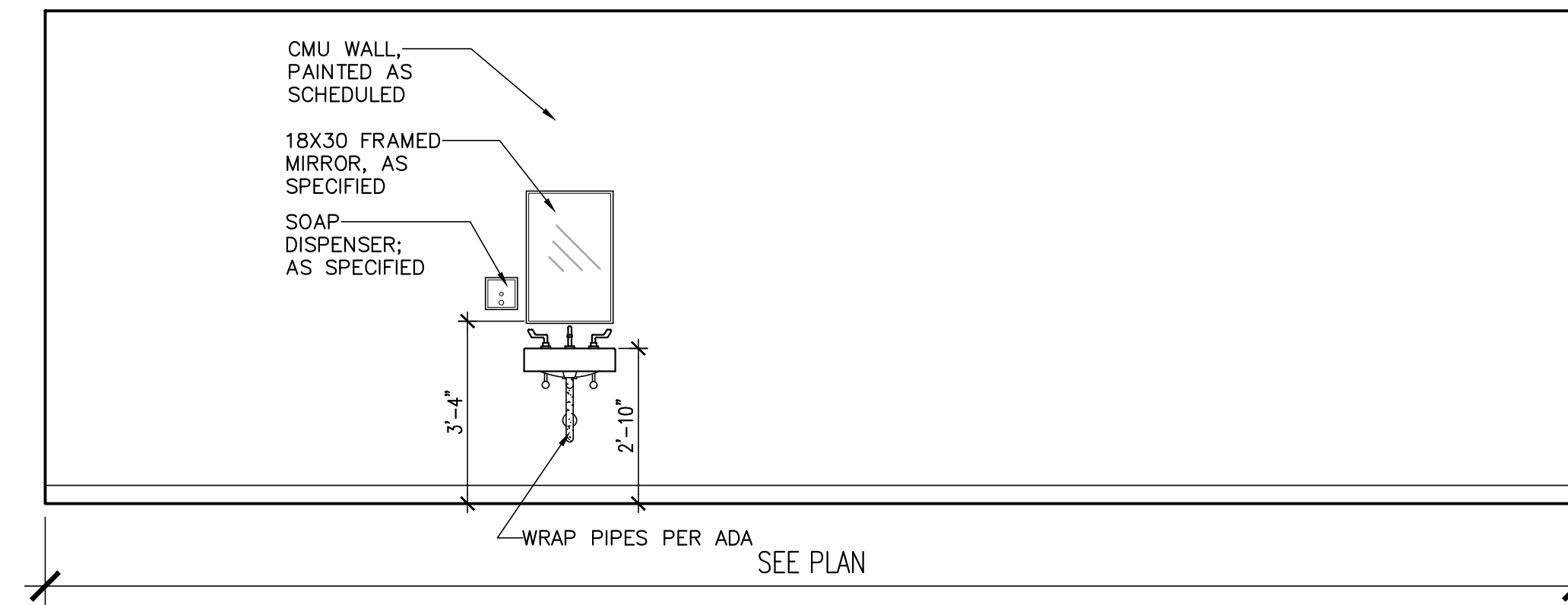
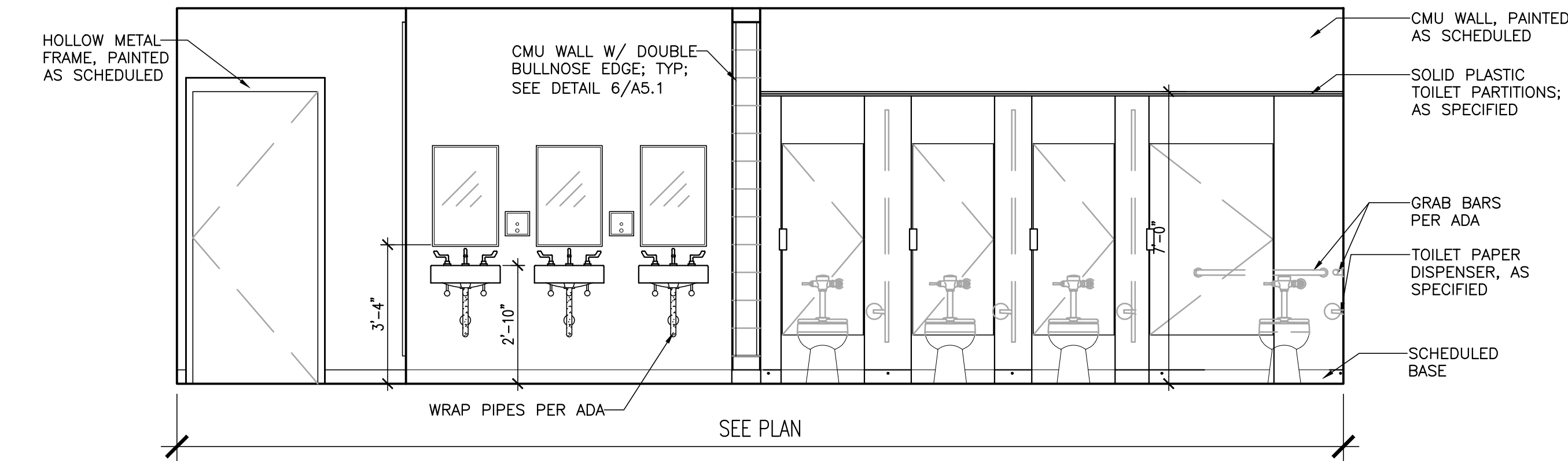
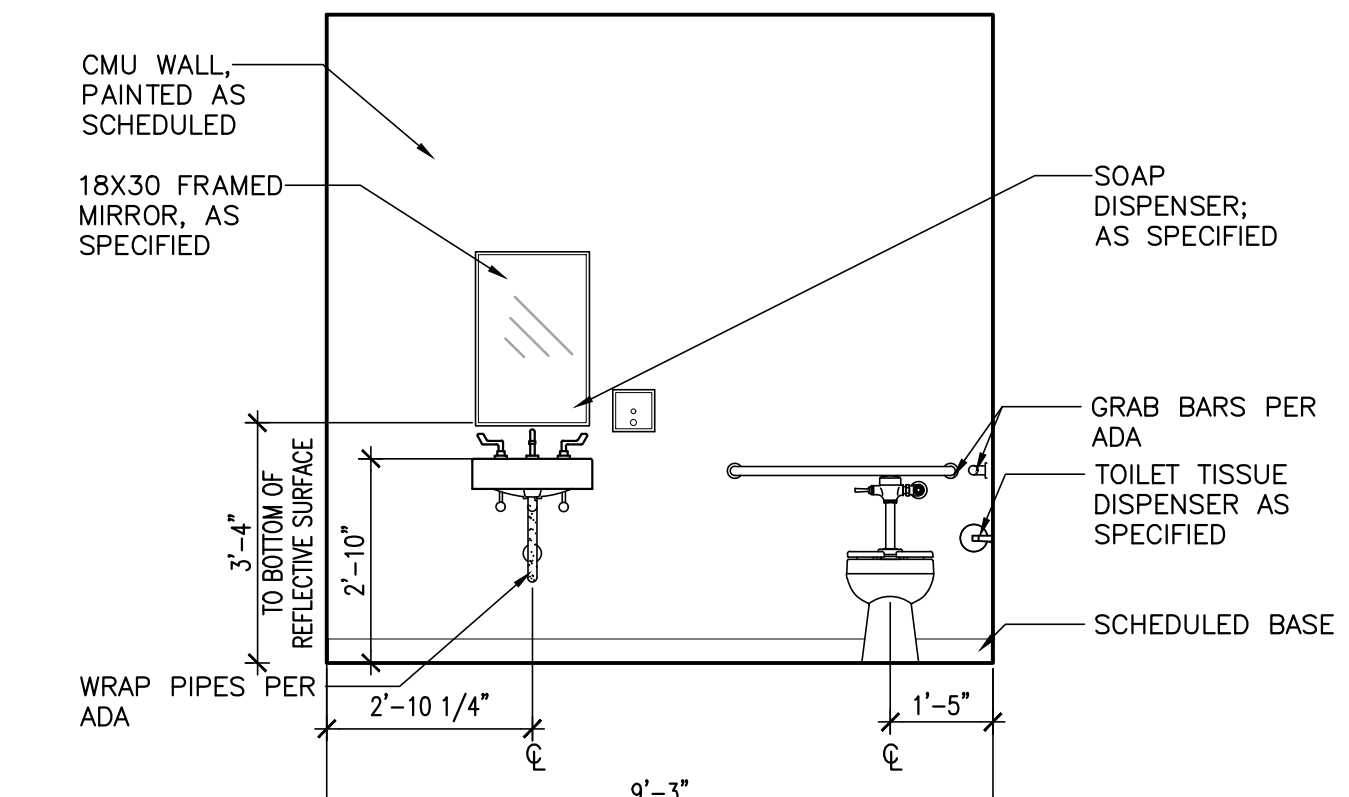
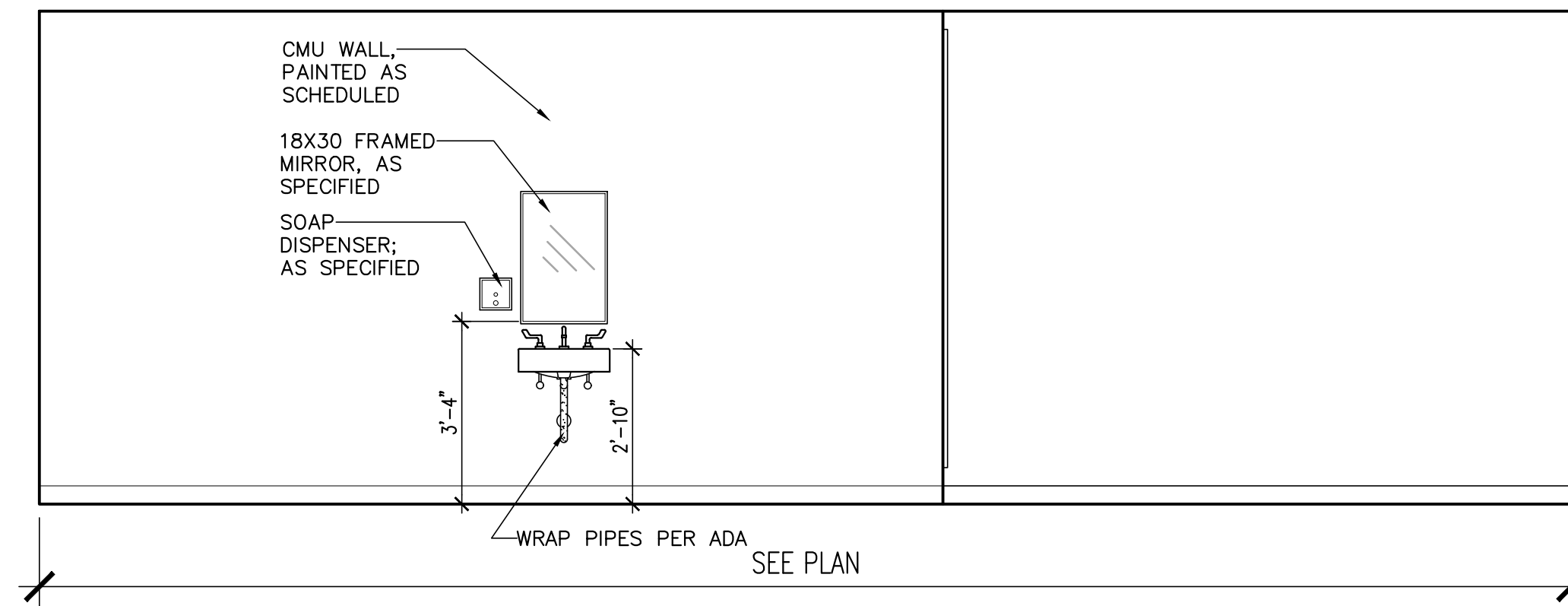
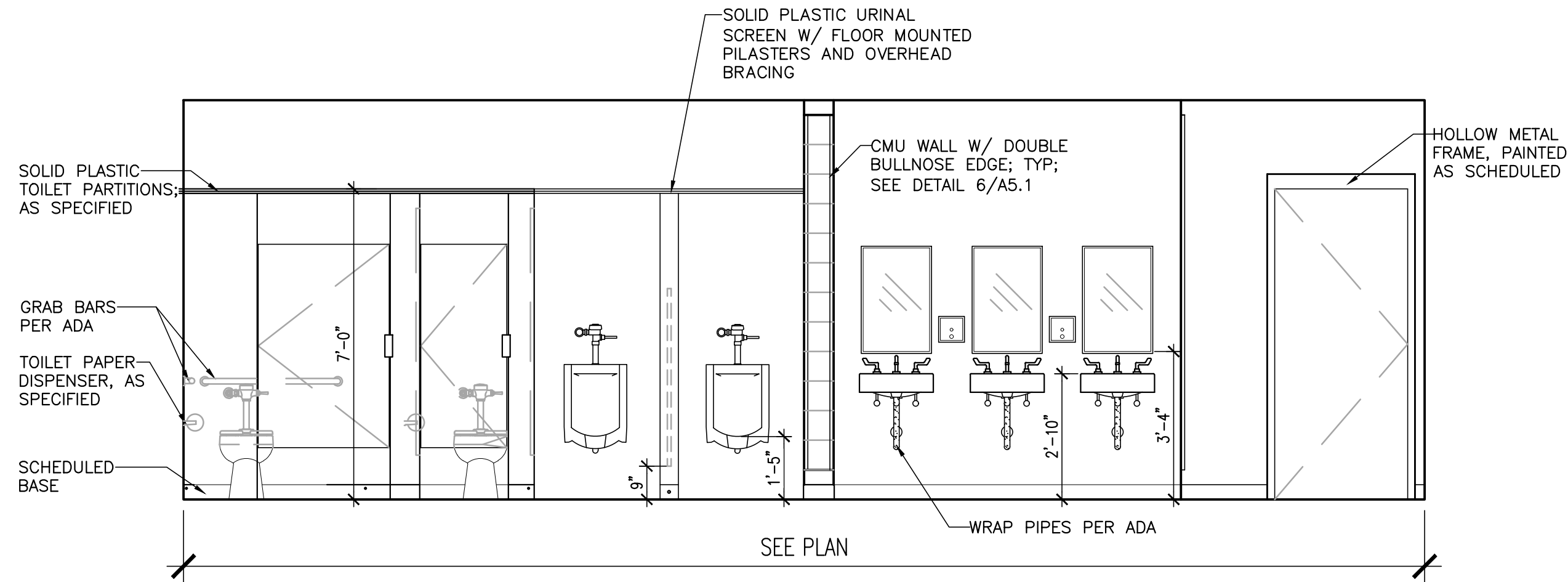
6 DETAIL @CMU BULLNOSE DETAIL
SCALE: 1-1/2" = 1'-0"



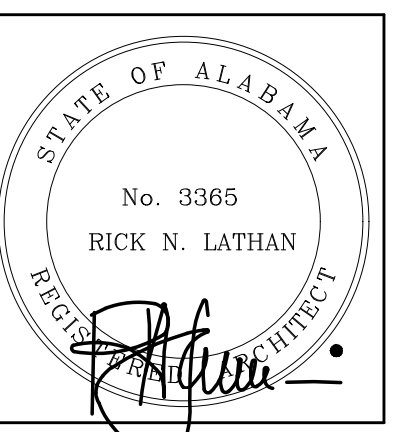
7 DETAIL @ADA GRAB BAR DETAIL
SCALE: 1-1/2" = 1'-0"



8 DETAIL @ADA SHOWER DETAIL
SCALE: 1-1/2" = 1'-0"



ELEMENTARY ADDITION TO
SUMNER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMNER COUNTY BOARD OF EDUCATION



SHEET TITLE:
TOILET INTERIOR ELEVATIONS

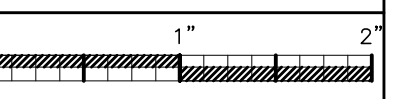
PROJ. MGR.: R. VERNON
DRAWN: BL
DATE: 6/24/2024
REVISIONS

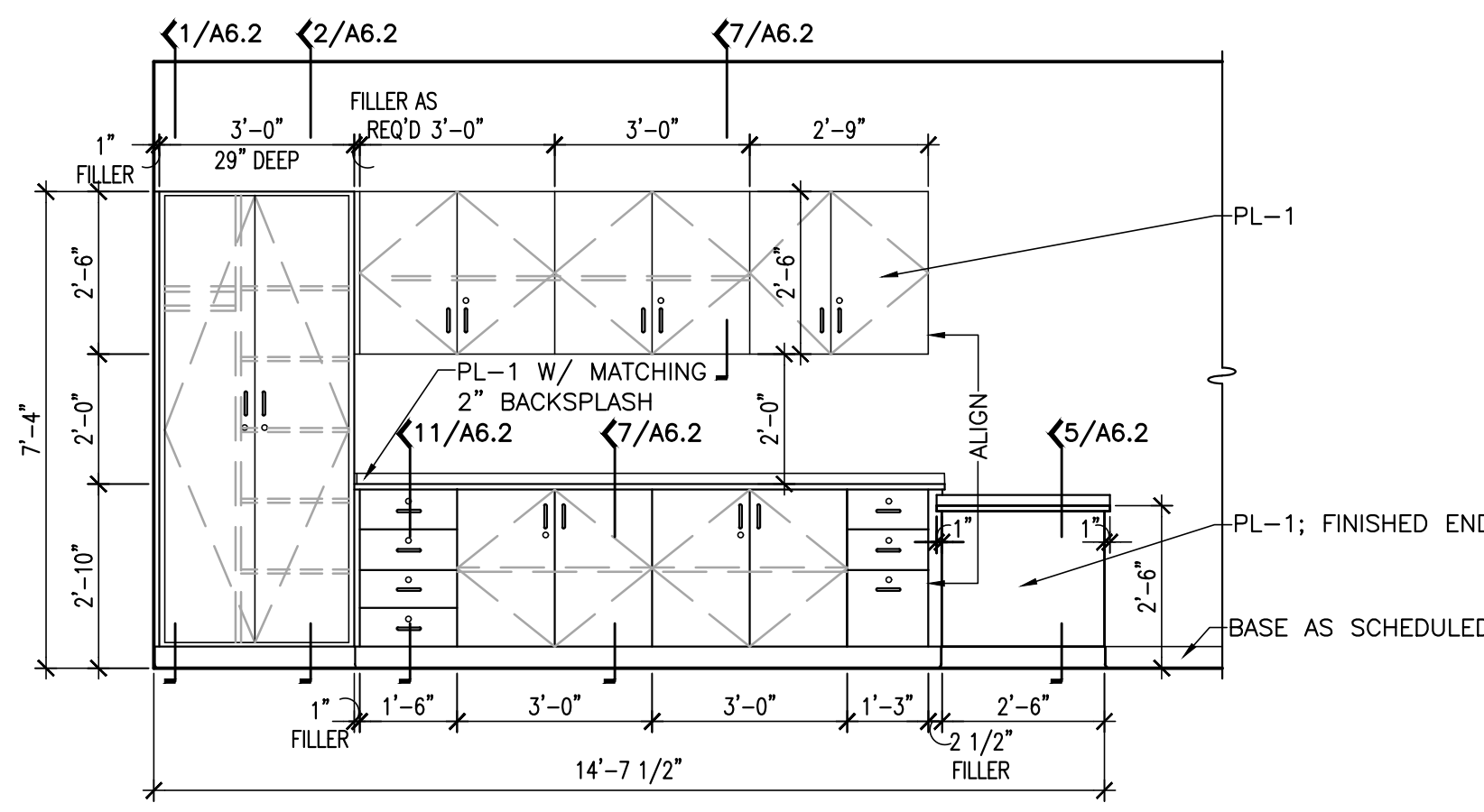
JOB NO. 24-38

SHEET NO:

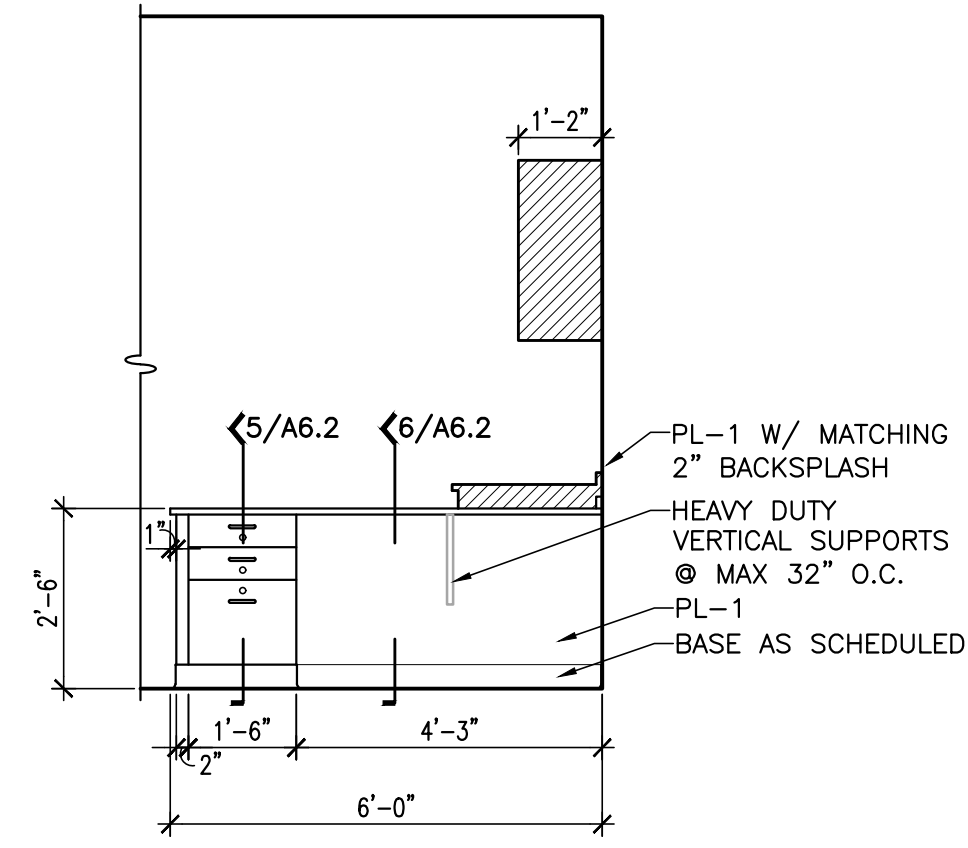
A5.2

14 OF 27

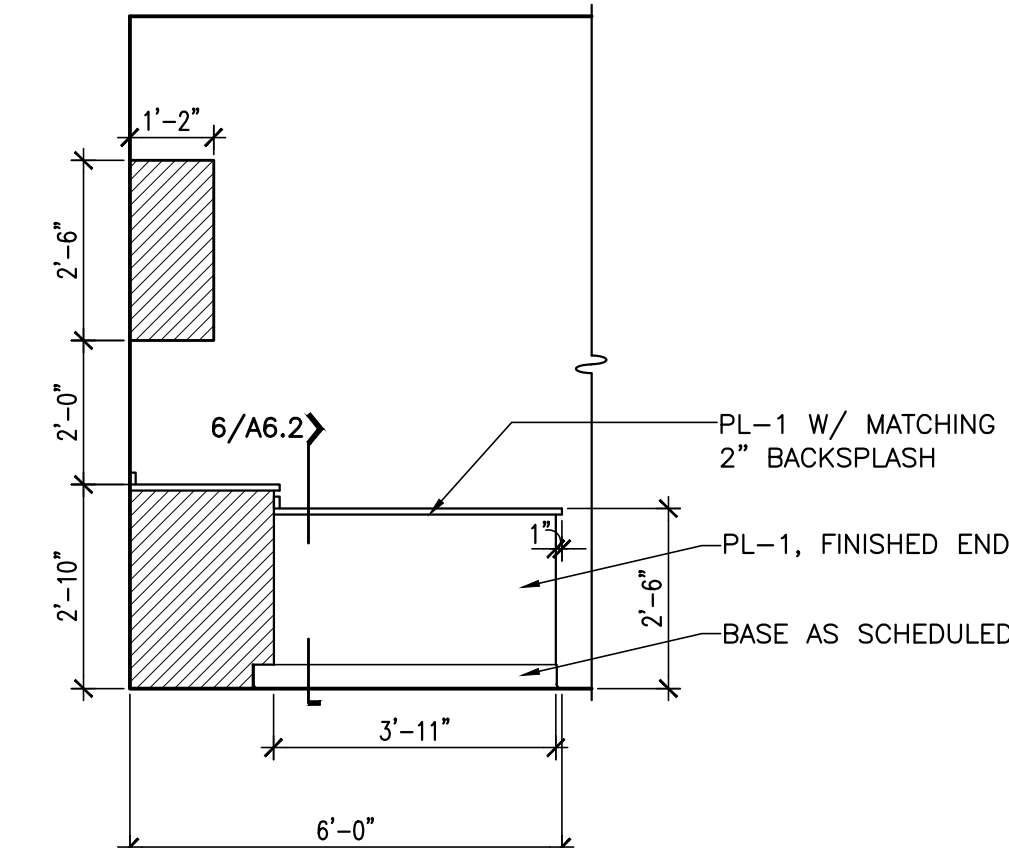




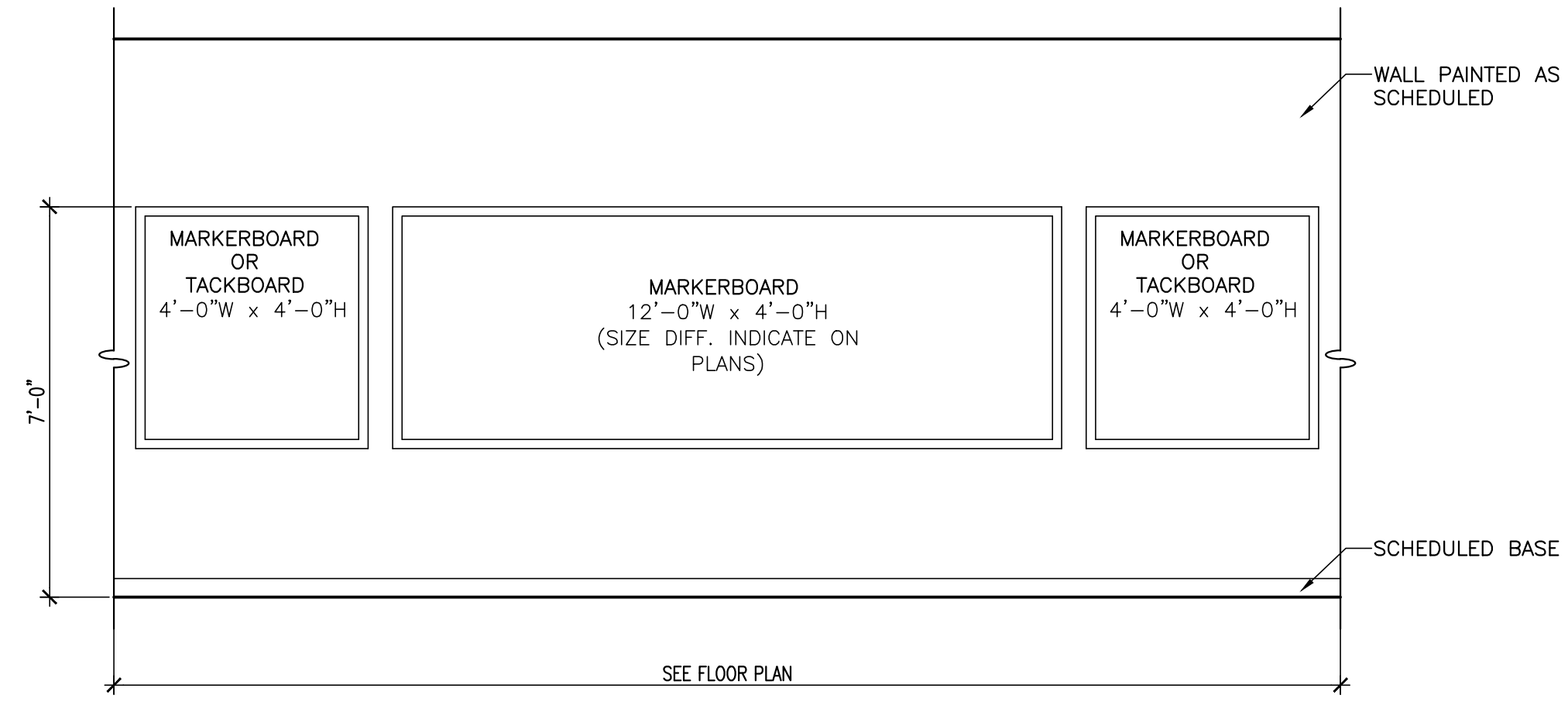
1 INTERIOR ELEVATION @TYPICAL CLASSROOM
SCALE: 3/8" = 1'-0"



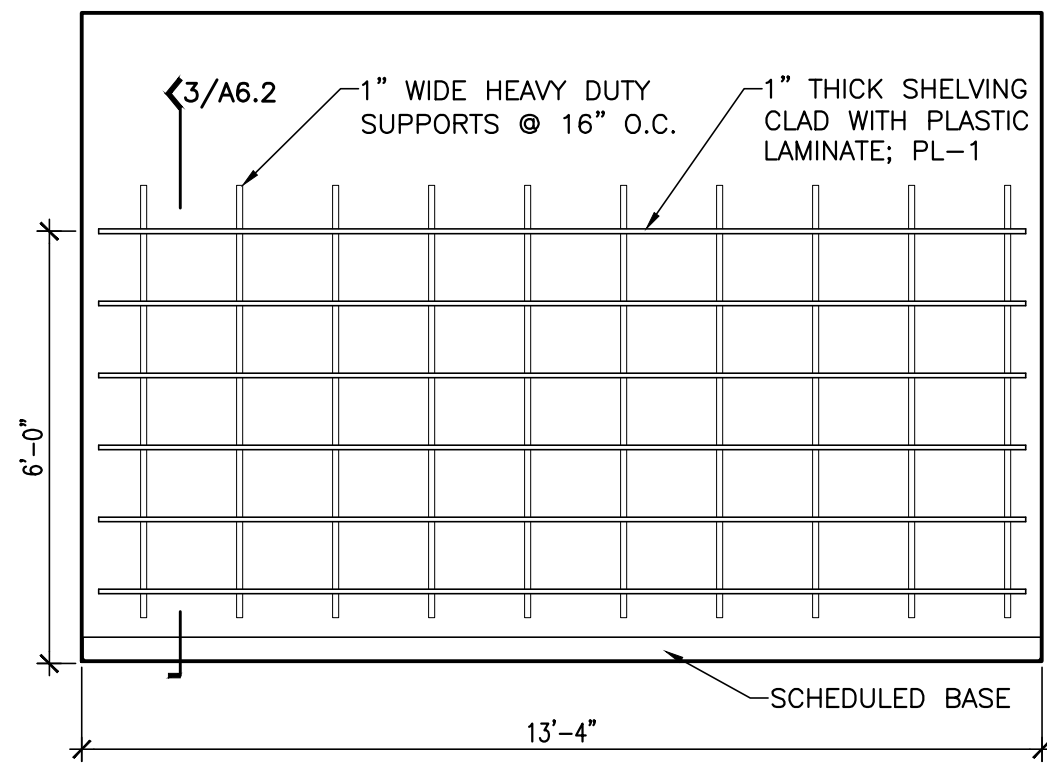
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SCALE: 3/8" = 1'-0"



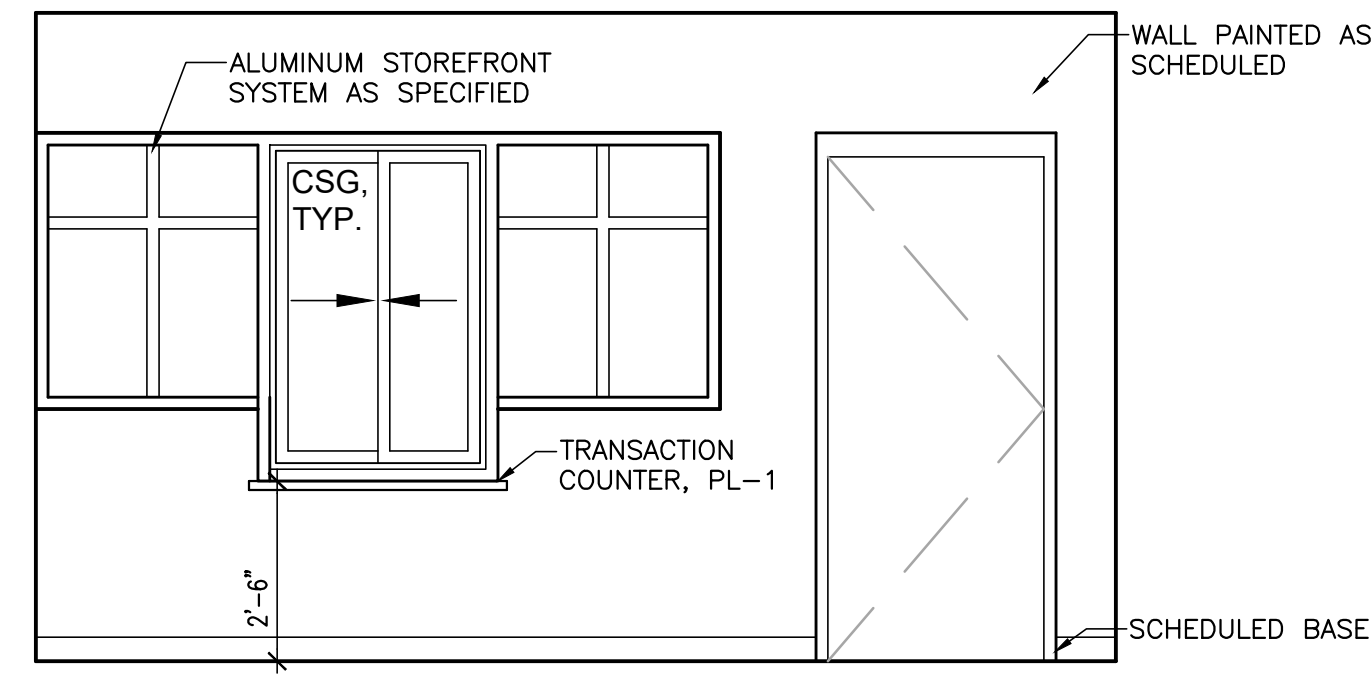
3 INTERIOR ELEVATION @TYPICAL CLASSROOM
SCALE: 3/8" = 1'-0"



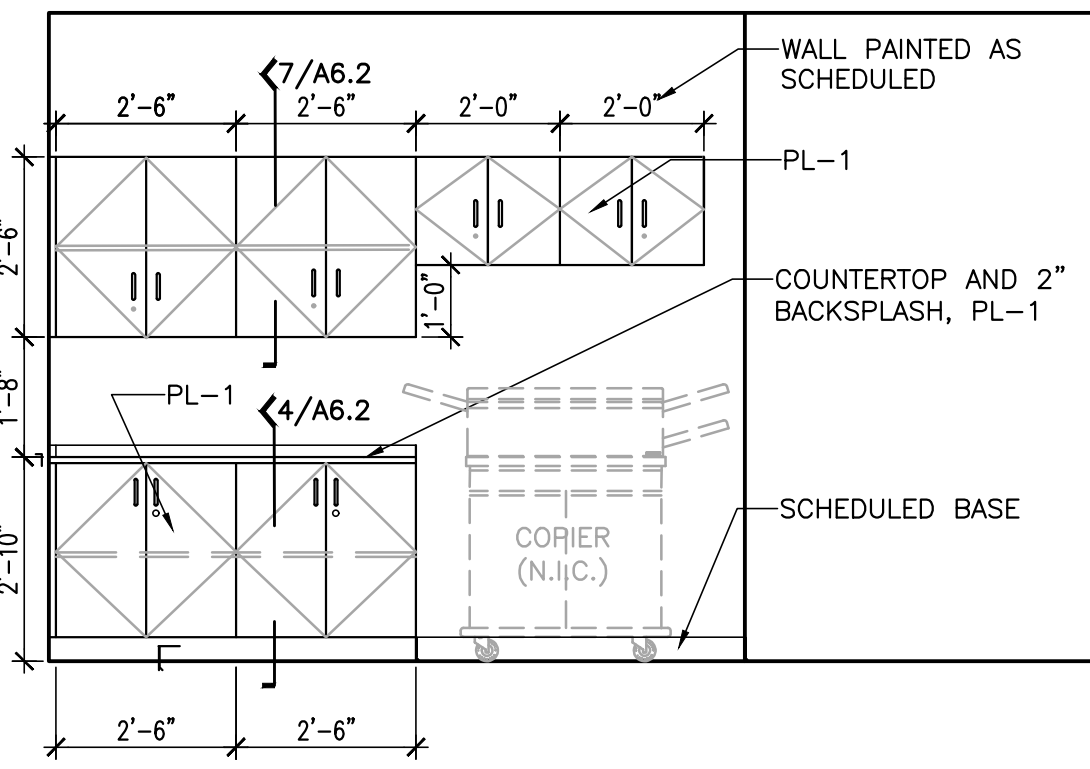
4 INTERIOR ELEVATION @TYPICAL CLASSROOM
SCALE: 3/8" = 1'-0"



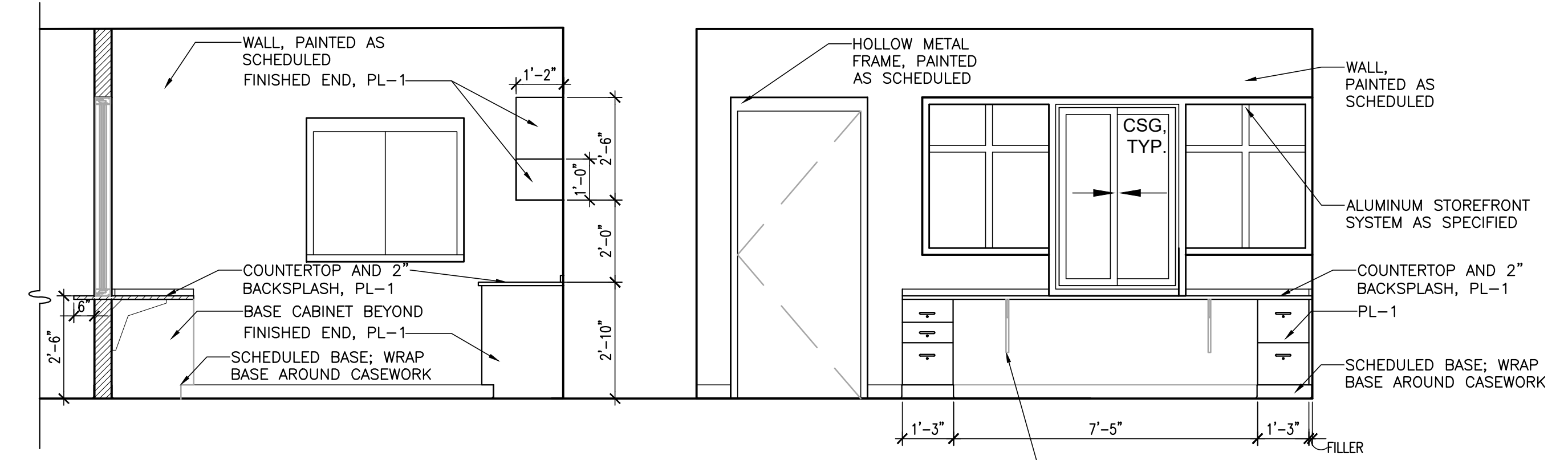
5 INTERIOR ELEVATION @CUSTODIAN
SCALE: 3/8" = 1'-0"



6 INTERIOR ELEVATION @RECEPTION B123
SCALE: 3/8" = 1'-0"

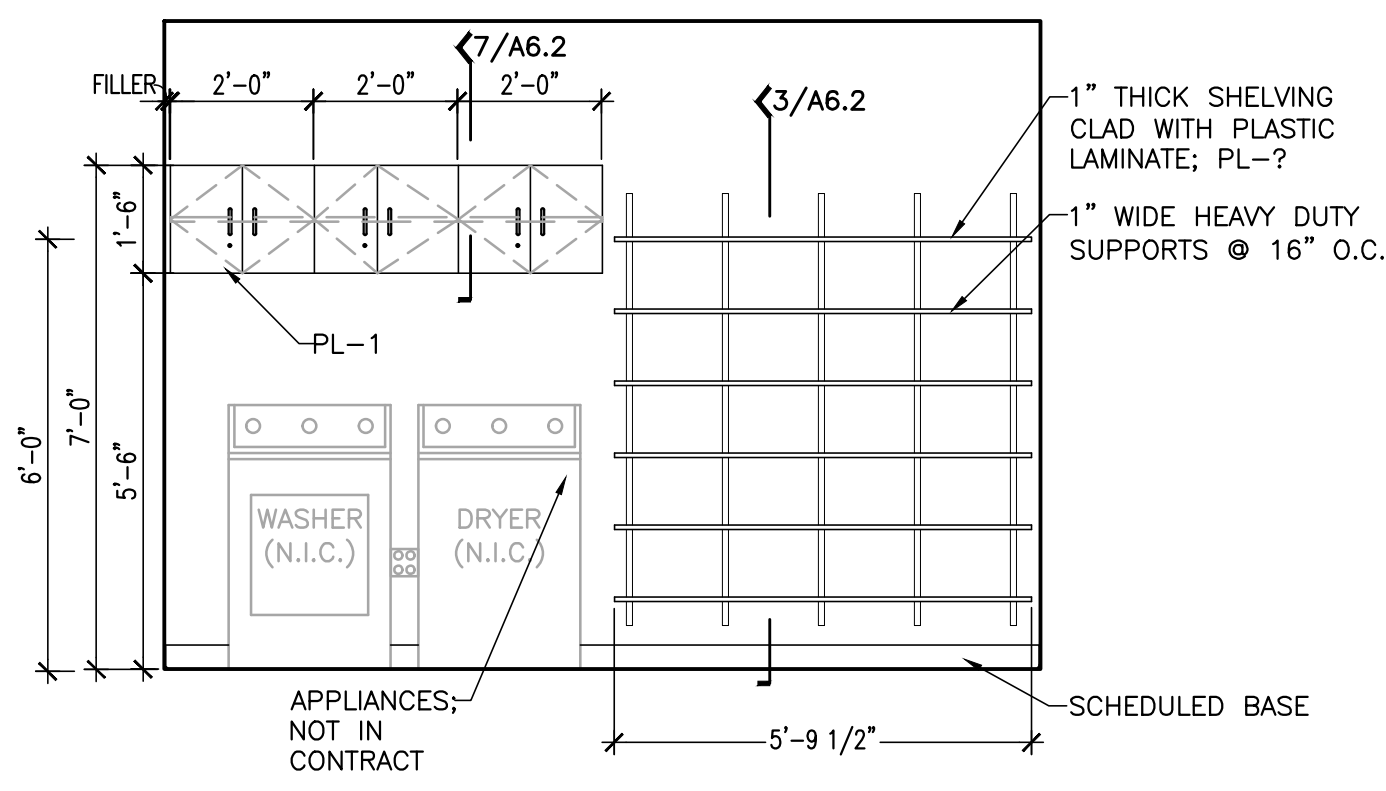


7 INTERIOR ELEVATION @RECEPTION B123
SCALE: 3/8" = 1'-0"

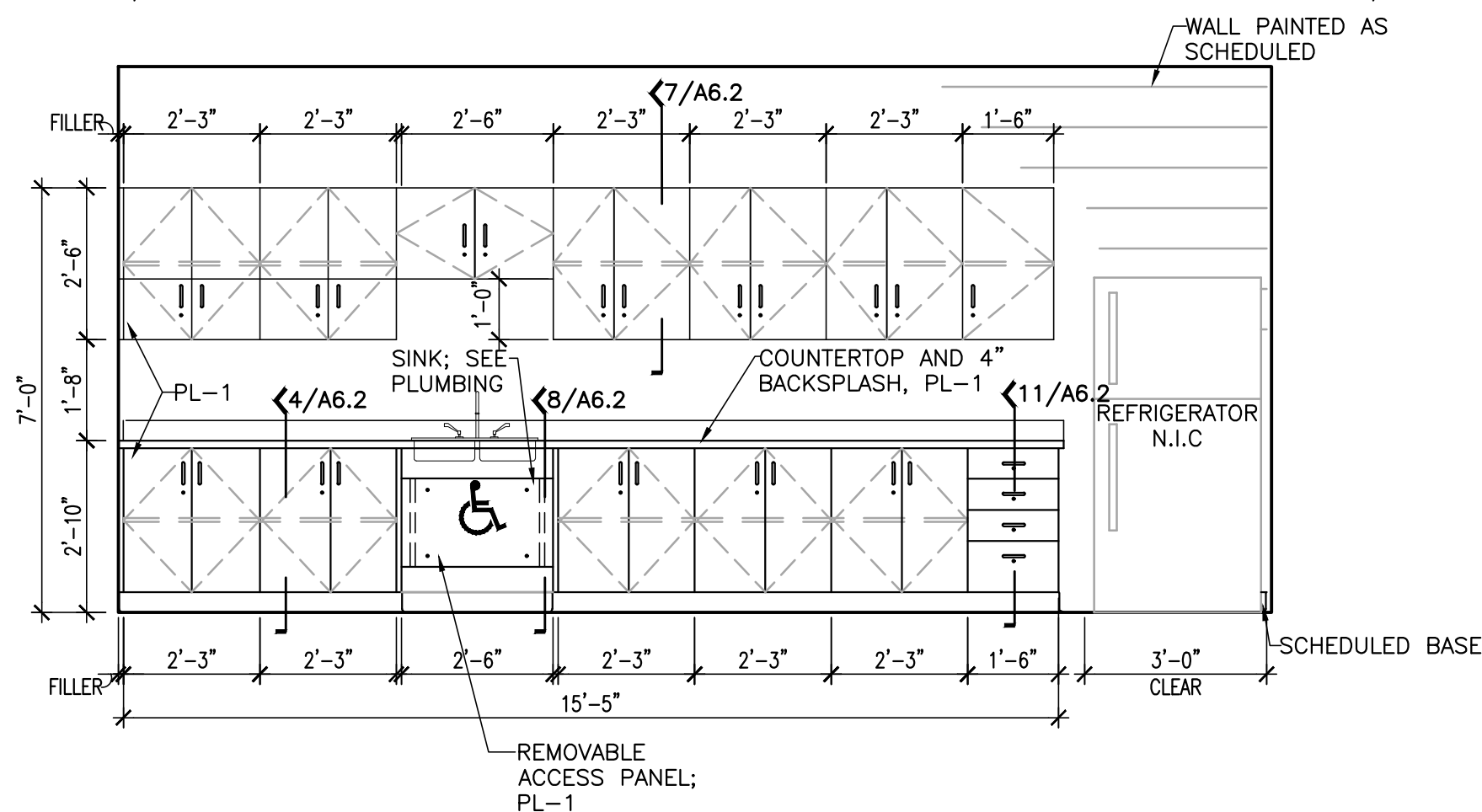


8 INTERIOR ELEVATION @RECEPTION B123
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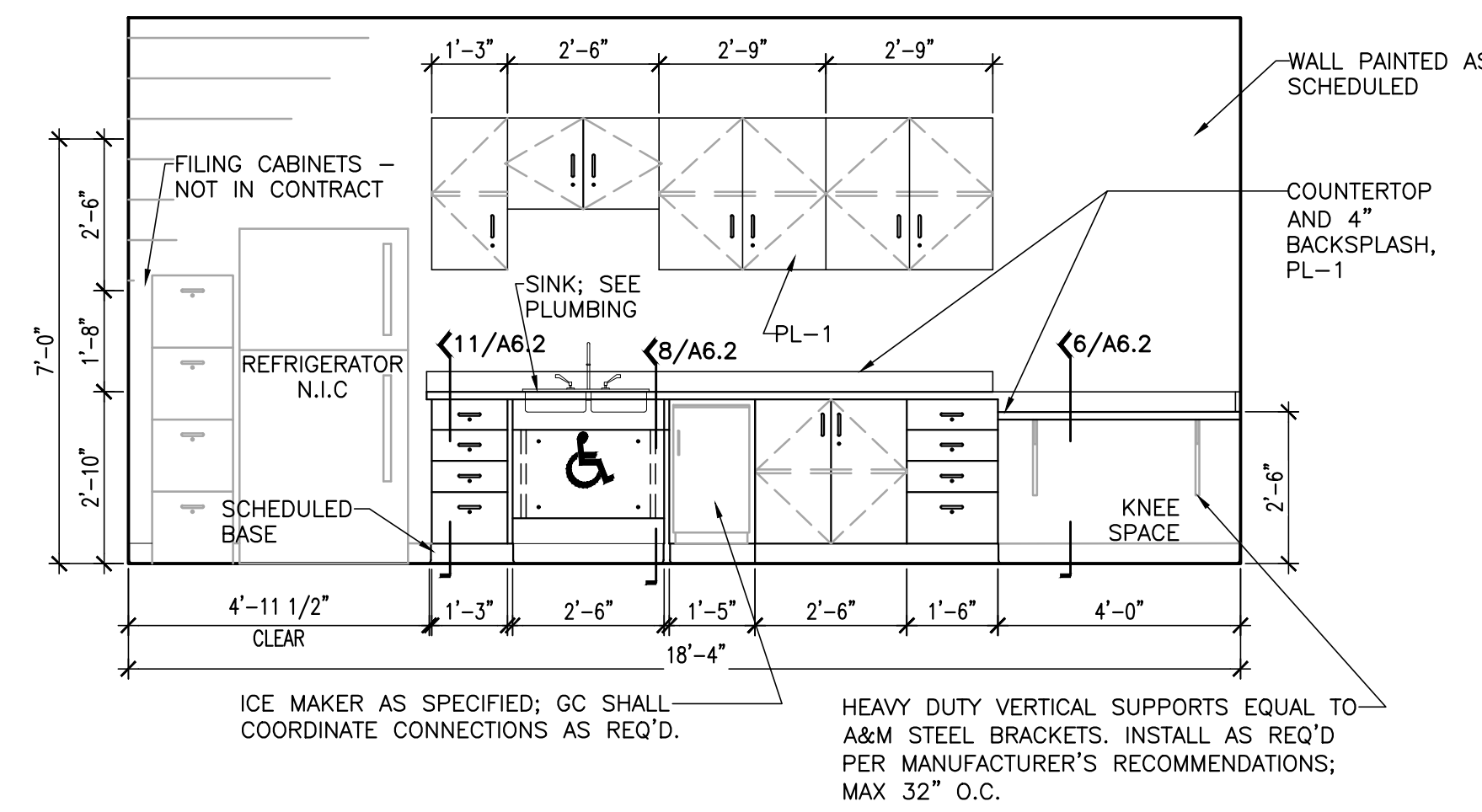
9 INTERIOR ELEVATION @RECEPTION B123
SCALE: 3/8" = 1'-0"



10 INTERIOR ELEVATION @LAUNDRY B110
SCALE: 3/8" = 1'-0"

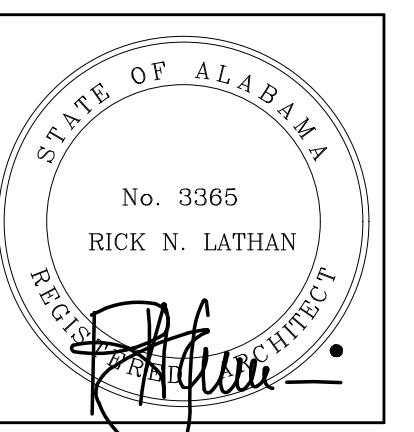


11 INTERIOR ELEVATION @LAUNDRY B110
SCALE: 3/8" = 1'-0"



12 INTERIOR ELEVATION @LAUNDRY B110
SCALE: 3/8" = 1'-0"

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION



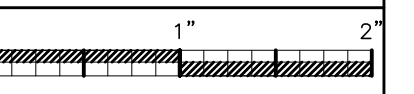
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INTERIOR ELEVATIONS

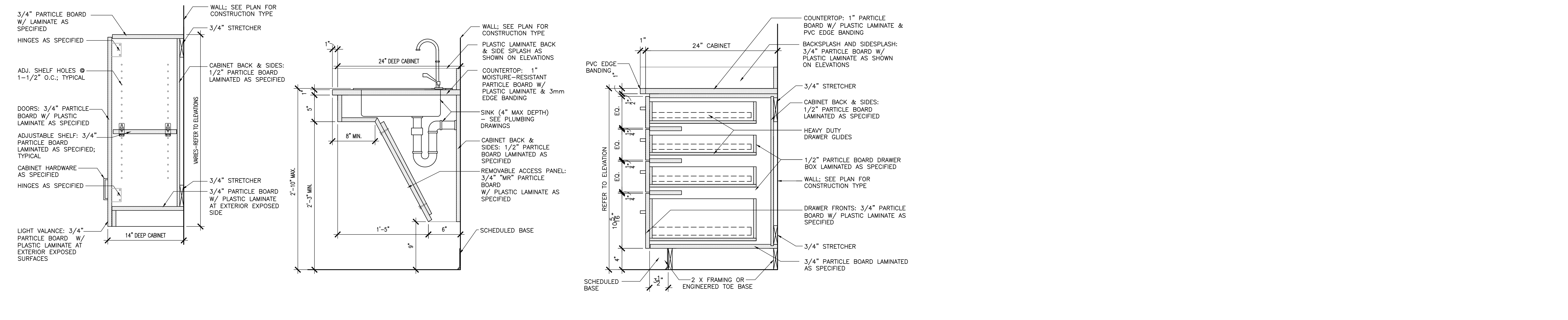
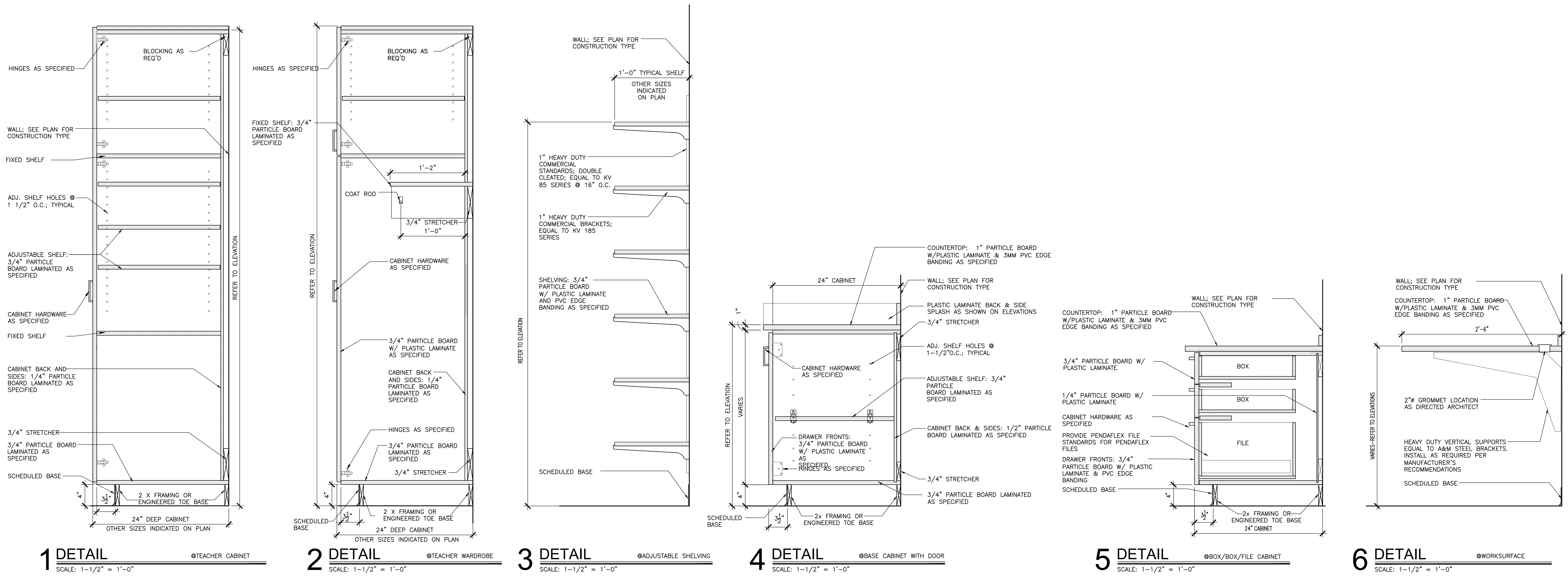
PROJ. MGR.: R. VERNON
DRAWN: BL
DATE: 6/24/2024
REVISIONS

JOB NO. 24-38

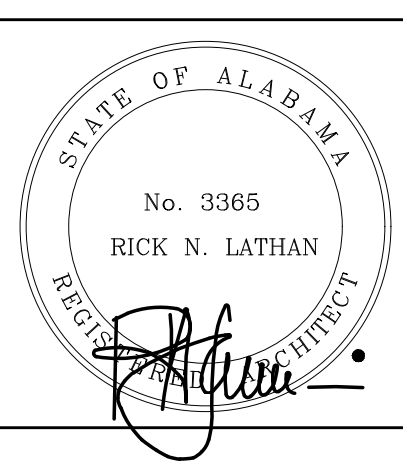
SHEET NO:

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15 OF 27





ELEMENTARY ADDITION TO
SUMNER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMNER COUNTY BOARD OF EDUCATION



SHEET TITLE:
MILLWORK DETAILS

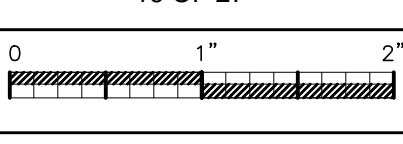
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DRAWN: BL
DATE: 6/24/2024
REVISIONS

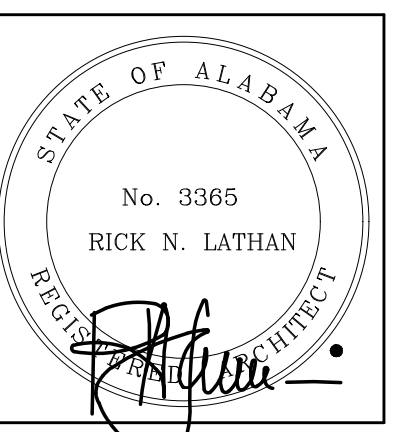
JOB NO. 24-38

SHEET NO:

A6.2

16 OF 27





SHEET TITLE:
PARTIAL REFLECTED
CEILING PLAN - AREA A

PROJ. MGR.: R. VERNON
DRAWN: BL
DATE: 6/24/2024
REVISIONS

JOB NO. 24-38

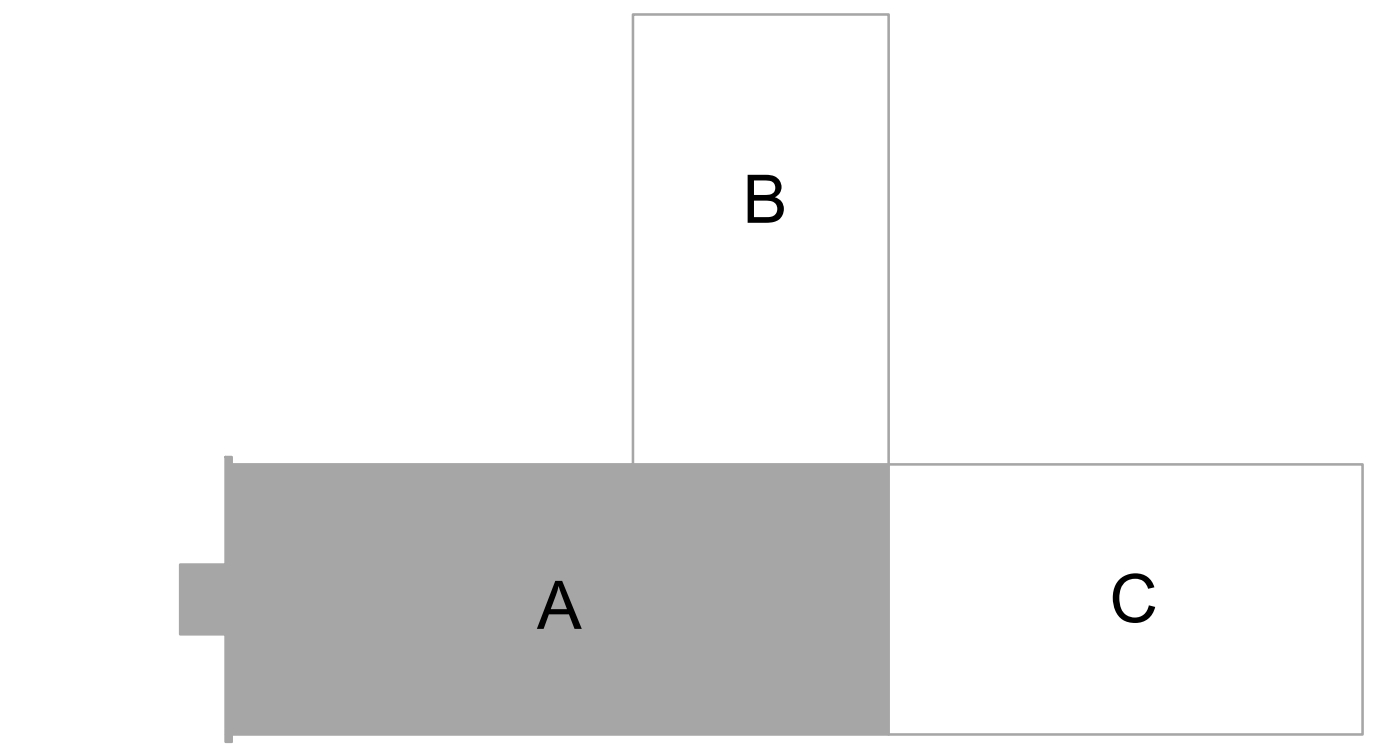
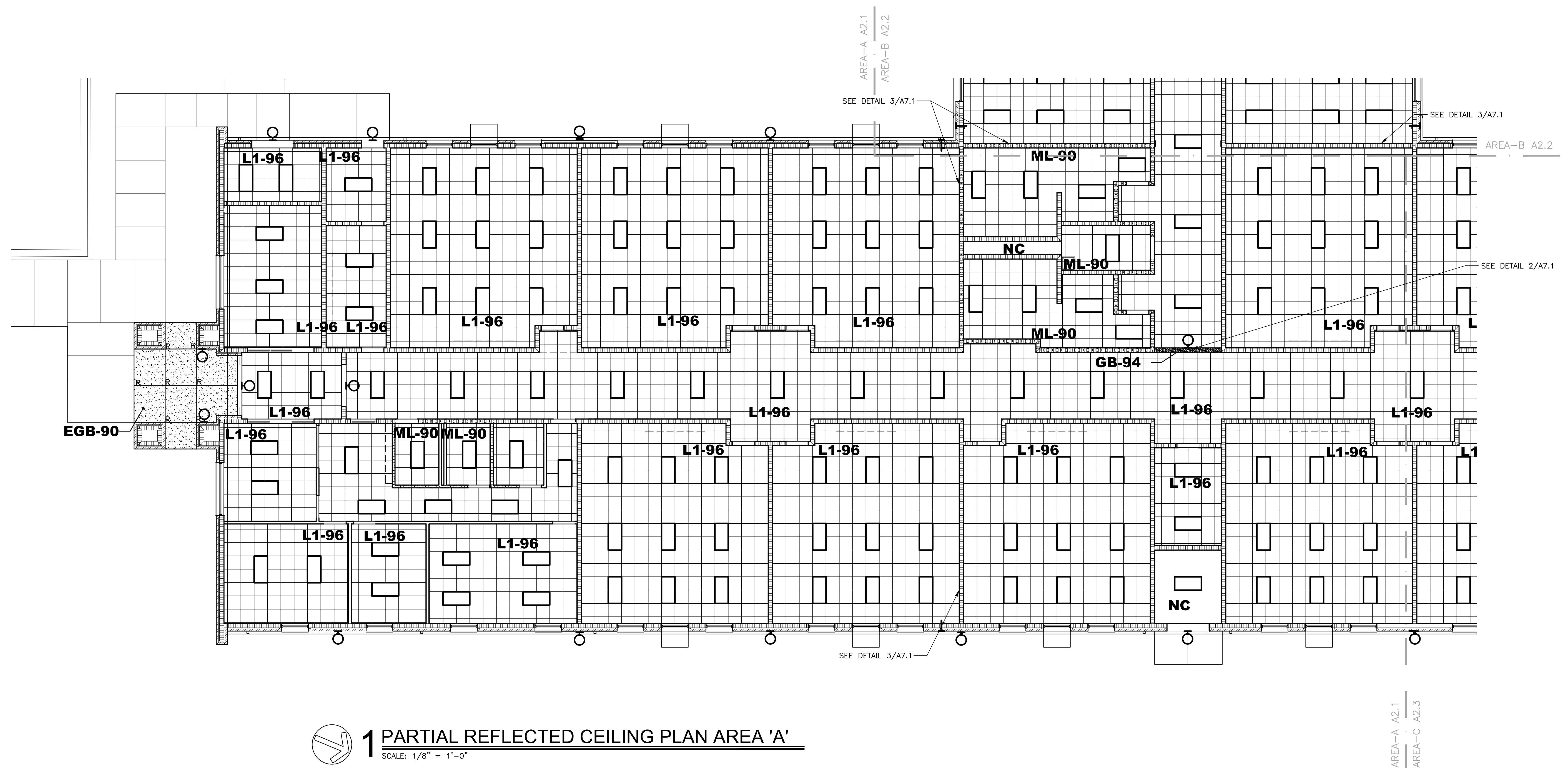
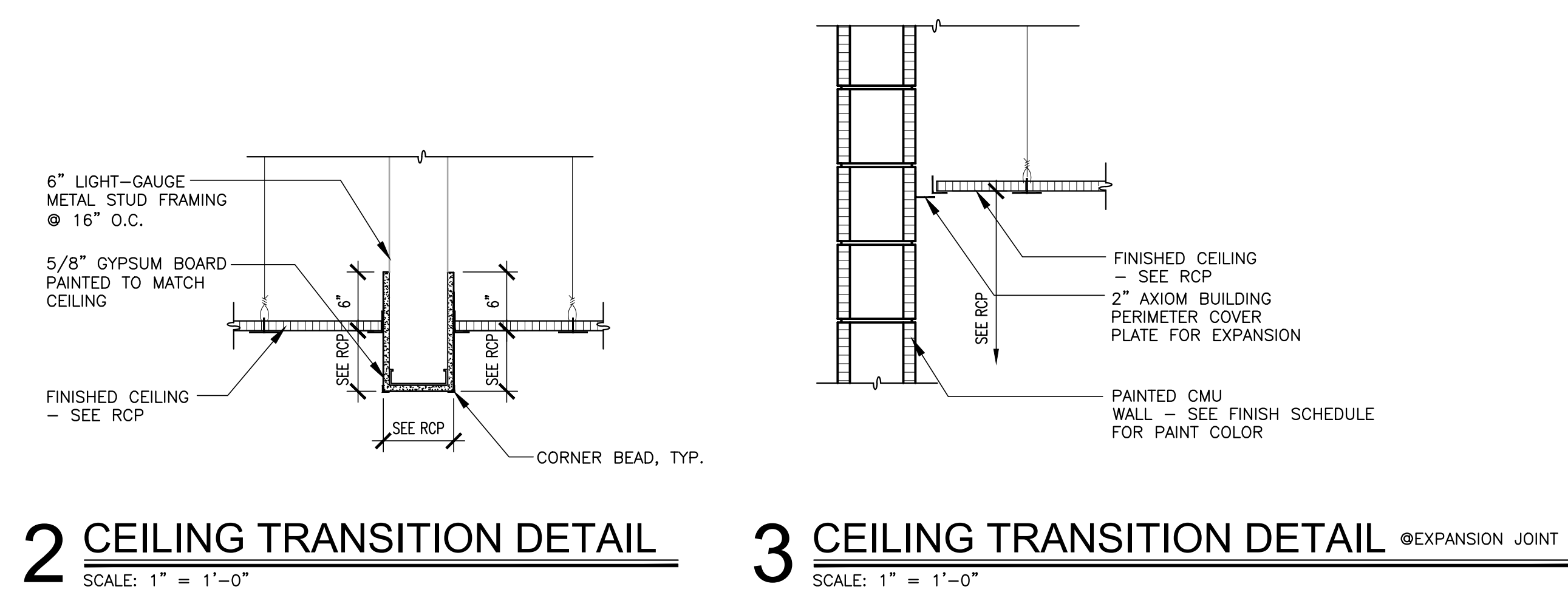
SHEET NO:

A7.1

17 OF 27

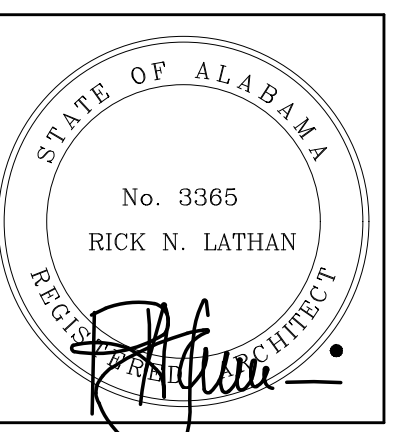
CEILING LEGEND	
FIXTURE TYPES - SEE ELECTRICAL	
CEILING TYPE	CEILING HEIGHTS
GB-GYPSUM BOARD	E = 8'-0" AFF
MGB - MOISTURE RESISTANT GYPSUM BOARD	80 = 8'-0" AFF
EG - EXTERIOR GYPSUM BOARD	84 = 8'-0" AFF
L1-2 X 2 LAY-IN ACOUSTICAL CEILING TILE, AS SPECIFIED	86 = 8'-0" AFF
ML-2 X 2 MOISTURE RESISTANT LAY-IN	88 = 8'-0" AFF
NC - NO CEILING	810 = 8'-10" AFF
ESA - EXPOSED STRUCTURE ABOVE; PAINT	90 = 9'-0" AFF
	92 = 9'-2" AFF
	93 = 9'-3" AFF
	94 = 9'-4" AFF
	96 = 9'-6" AFF
	98 = 9'-8" AFF
	100 = 10'-0" AFF
	106 = 10'-6" AFF
	110 = 11'-0" AFF
	1110 = 11'-10" AFF
	112 = 11'-2" AFF
	120 = 12'-0" AFF
	126 = 12'-6" AFF
	160 = 16'-0" AFF
	200 = 20'-0" AFF
	240 = 24'-0" AFF
	260 = 26'-0" AFF

- CEILING NOTES**
- ALL RATED GYPSUM BOARD CEILINGS TO BE TYPE "X" FIRE RATED GYPSUM BOARD. ALL GYPSUM BOARD WITHIN GYMNASIUM TO BE IMPACT RESISTANT.
 - COORDINATE W/ MECH. PLUMBING, & ELECTRICAL DRAWINGS AND PROVIDE FRAMING AS REQUIRED TO ACCOMMODATE MECHANICAL, PLUMBING, & ELECTRICAL SYSTEMS.
 - AFF = ABOVE FINISHED FLOOR
 - ALL CEILING HEIGHTS INDICATED ARE FROM ADJACENT FINISHED FLOOR.
 - REFER TO ELECTRICAL DRAWINGS FOR FIXTURE TYPES.
 - ALL AREAS INDICATING NEW CEILING TO IMPLY DEMOLITION OF EXISTING CEILING SYSTEMS AS REQ'D THAT AREA.
 - ALL CEILING GRIDS ARE CENTERED IN ROOMS UNLESS NOTED OTHERWISE.
 - ALL MECHANICAL, ELECTRICAL AND PLUMBING ITEMS LOCATED IN ESA (EXPOSED STRUCTURE ABOVE) SHALL BE PAINTED AS DIRECTED BY ARCHITECT.



KEY PLAN
SCALE: N.T.S.

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



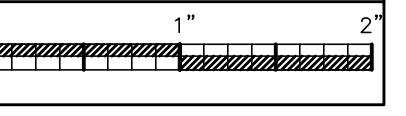
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PARTIAL REFLECTED
CEILING PLAN - AREA B

PROJ. MGR.: R. VERNON
DRAWN: BL
DATE: 6/24/2024
REVISIONS

JOB NO. 24-38

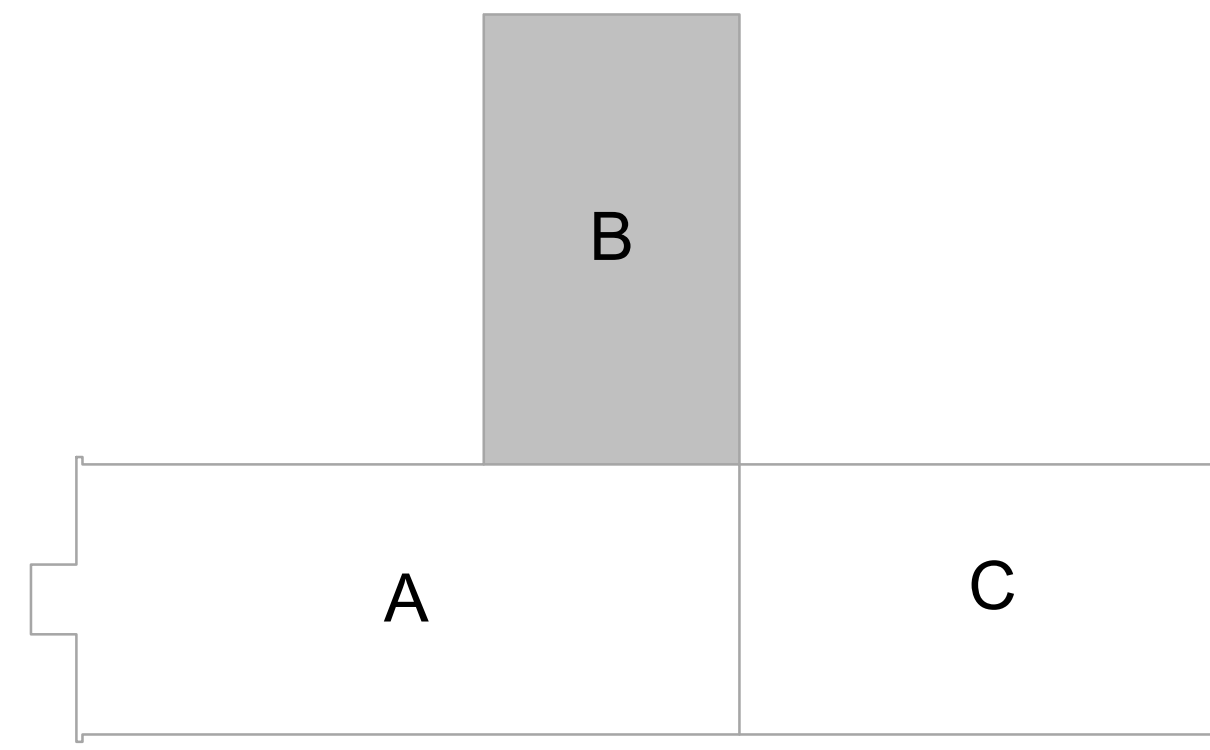
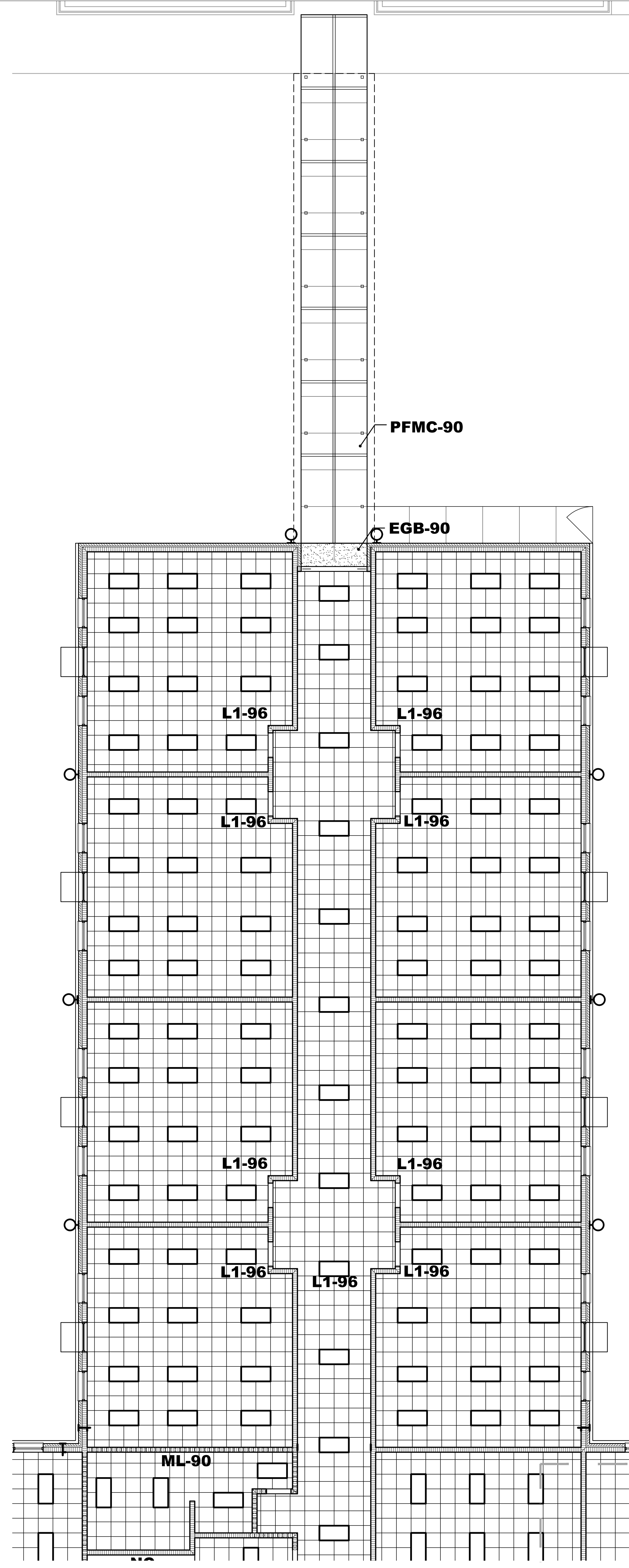
SHEET NO:

A7.2
18 OF 27



CEILING LEGEND	
FIXTURE TYPES - SEE ELECTRICAL	
CEILING TYPE	CEILING HEIGHTS
GB-GYPSUM BOARD	E = CEILING HEIGHT
MGB - MOISTURE RESISTANT GYPSUM BOARD	80 = 8'-0" AFF
EG - EXTERIOR GYPSUM BOARD	84 = 8'-4" AFF
L1-2 x 2 LAY-IN ACOUSTICAL CEILING TILE, AS SPECIFIED	88 = 8'-8" AFF
ML-2 x 2 MOISTURE RESISTANT LAY-IN	88 = 8'-8" AFF
NC - NO CEILING	810 = 8'-10" AFF
ESA - EXPOSED STRUCTURE ABOVE, PAINT	90 = 9'-0" AFF
	92 = 9'-2" AFF
	93 = 9'-3" AFF
	94 = 9'-4" AFF
	96 = 9'-6" AFF
	98 = 9'-8" AFF
	100 = 10'-0" AFF
	106 = 10'-6" AFF
	110 = 11'-0" AFF
	112 = 11'-2" AFF
	120 = 12'-0" AFF
	126 = 12'-6" AFF
	160 = 16'-0" AFF
	200 = 20'-0" AFF
	240 = 24'-0" AFF
	260 = 26'-0" AFF

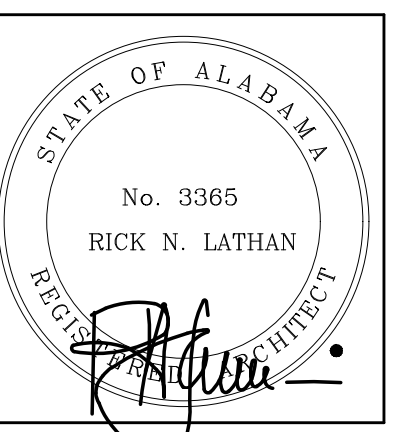
- CEILING NOTES**
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 - ALL MECHANICAL, ELECTRICAL AND PLUMBING ITEMS LOCATED IN ESA (EXPOSED STRUCTURE ABOVE) SHALL BE PAINTED AS DIRECTED BY ARCHITECT



KEY PLAN
SCALE: N.T.S.

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

AREA-A A7.2
AREA-C A7.3



SHEET TITLE:
PARTIAL REFLECTED
CEILING PLAN - AREA C

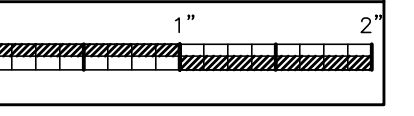
PROJ. MGR.: R. VERNON
DRAWN: BL
DATE: 6/24/2024
REVISIONS

JOB NO. 24-38

SHEET NO:

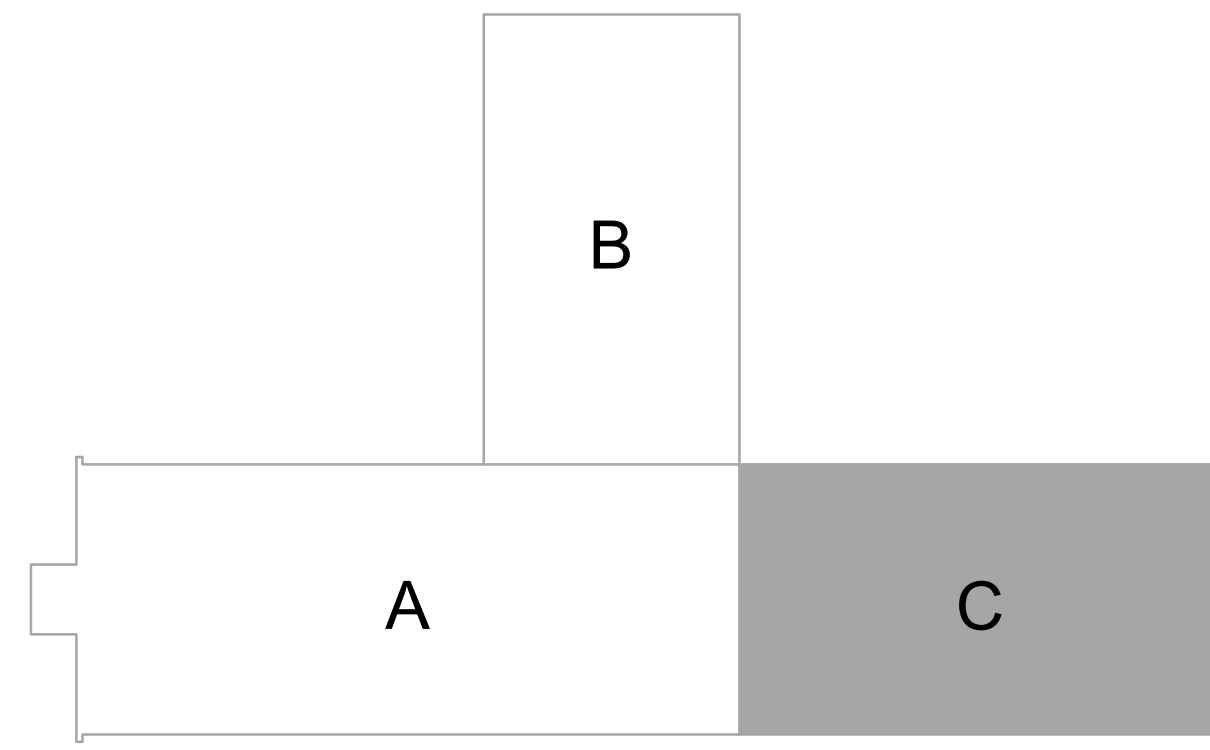
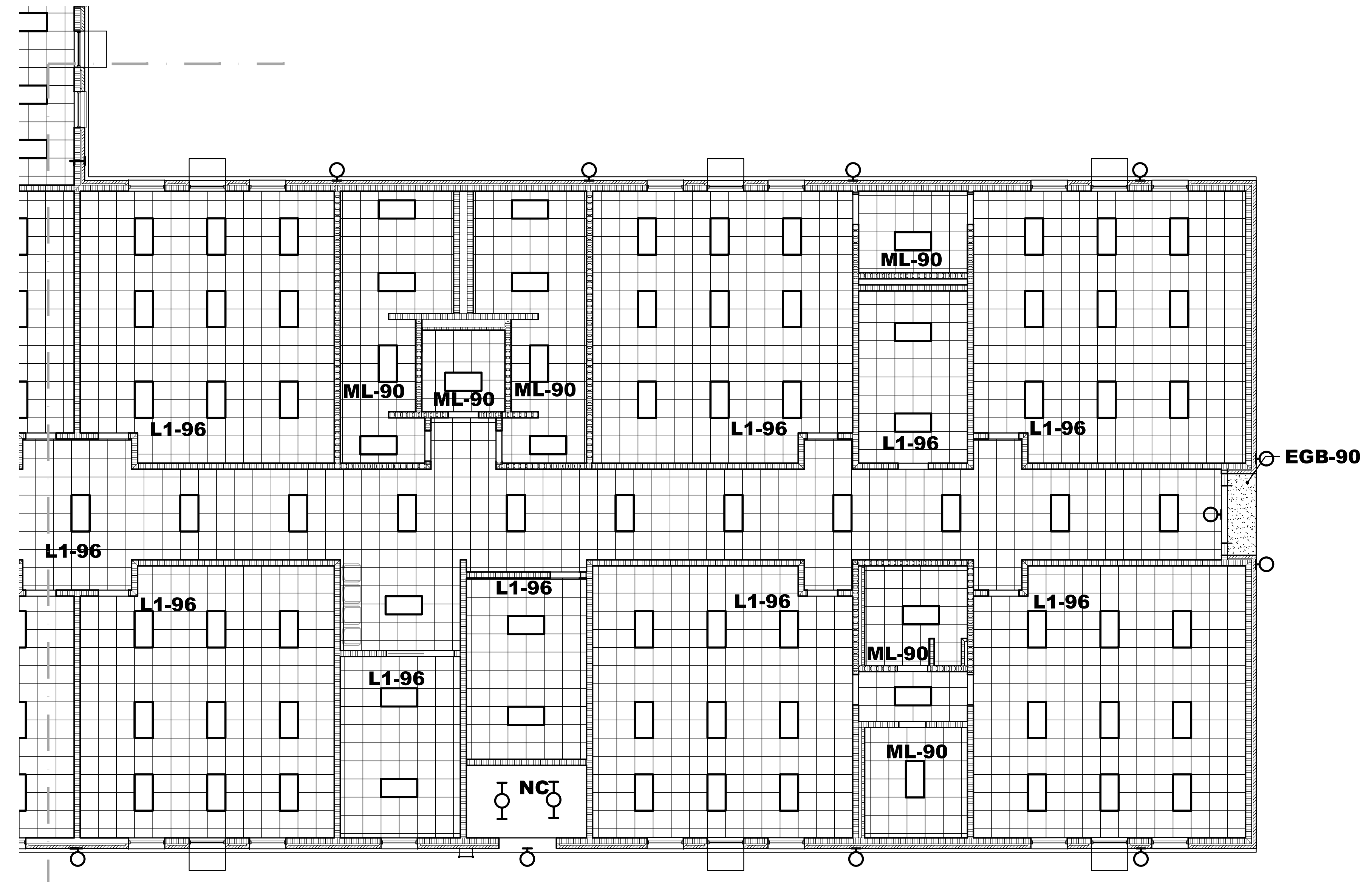
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19 OF 27



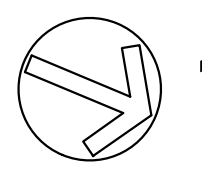
CEILING LEGEND	
FIXTURE TYPES - SEE ELECTRICAL	
CEILING TYPE	CEILING HEIGHTS
GB-GYPSUM BOARD	E = 8'-0" AFF
MGB - MOISTURE RESISTANT GYPSUM BOARD	80 = 8'-0" AFF
EG - EXTERIOR GYPSUM BOARD	84 = 8'-0" AFF
L1-2 LAY-IN ACOUSTICAL CEILING TILE, AS SPECIFIED	86 = 8'-0" AFF
ML-2 X 2 MOISTURE RESISTANT LAY-IN	88 = 8'-0" AFF
NC - NO CEILING	810 = 8'-10" AFF
ESA - EXPOSED STRUCTURE ABOVE, PAINT	90 = 9'-0" AFF
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	93 = 9'-3" AFF
	94 = 9'-4" AFF
	96 = 9'-6" AFF
	98 = 9'-8" AFF
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	106 = 10'-6" AFF
	110 = 11'-0" AFF
	1110 = 11'-10" AFF
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	120 = 12'-0" AFF
	126 = 12'-6" AFF
	160 = 16'-0" AFF
	200 = 20'-0" AFF
	240 = 24'-0" AFF
	280 = 28'-0" AFF

- CEILING NOTES**
- ALL RATED GYPSUM BOARD CEILINGS TO BE TYPE "X" FIRE RATED GYPSUM BOARD. ALL GYPSUM BOARD WITHIN GYMNASIUM TO BE IMPACT RESISTANT
 - COORDINATE W/ MECH, PLUMBING, & ELECTRICAL DRAWINGS AND PROVIDE FRAMING AS REQUIRED TO ACCOMMODATE MECHANICAL, PLUMBING, & ELECTRICAL SYSTEMS.
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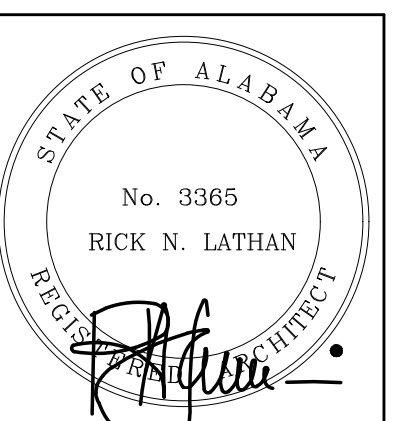


KEY PLAN
SCALE: N.T.S.

AREA-A AB.1
AREA-C AB.2



1 PARTIAL REFLECTE CEILING PLAN - AREA C
SCALE: 1/8" = 1'-0"



SHEET TITLE:
PARTIAL FINISH FLOOR
PLAN - AREA A

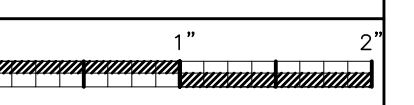
PROJ. MGR.: R. VERNON
DRAWN: BL
ldr
DATE: 6/24/2024
REVISIONS

JOB NO. 24-38

SHEET NO:

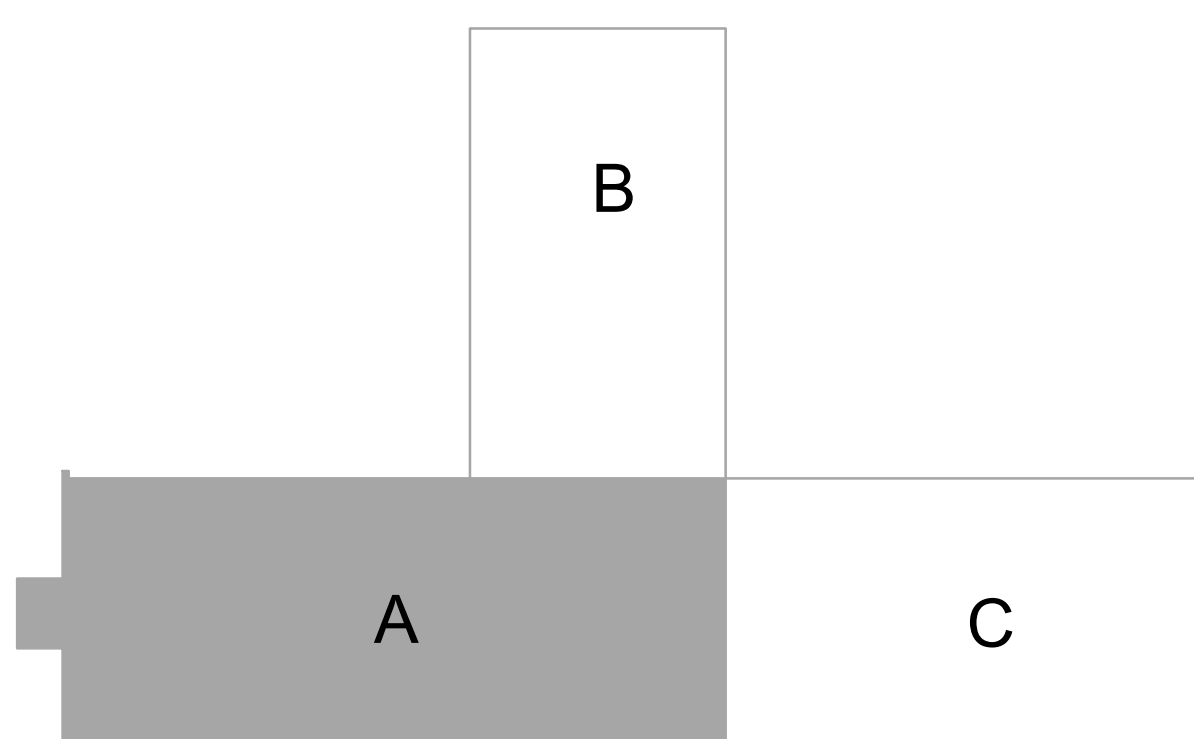
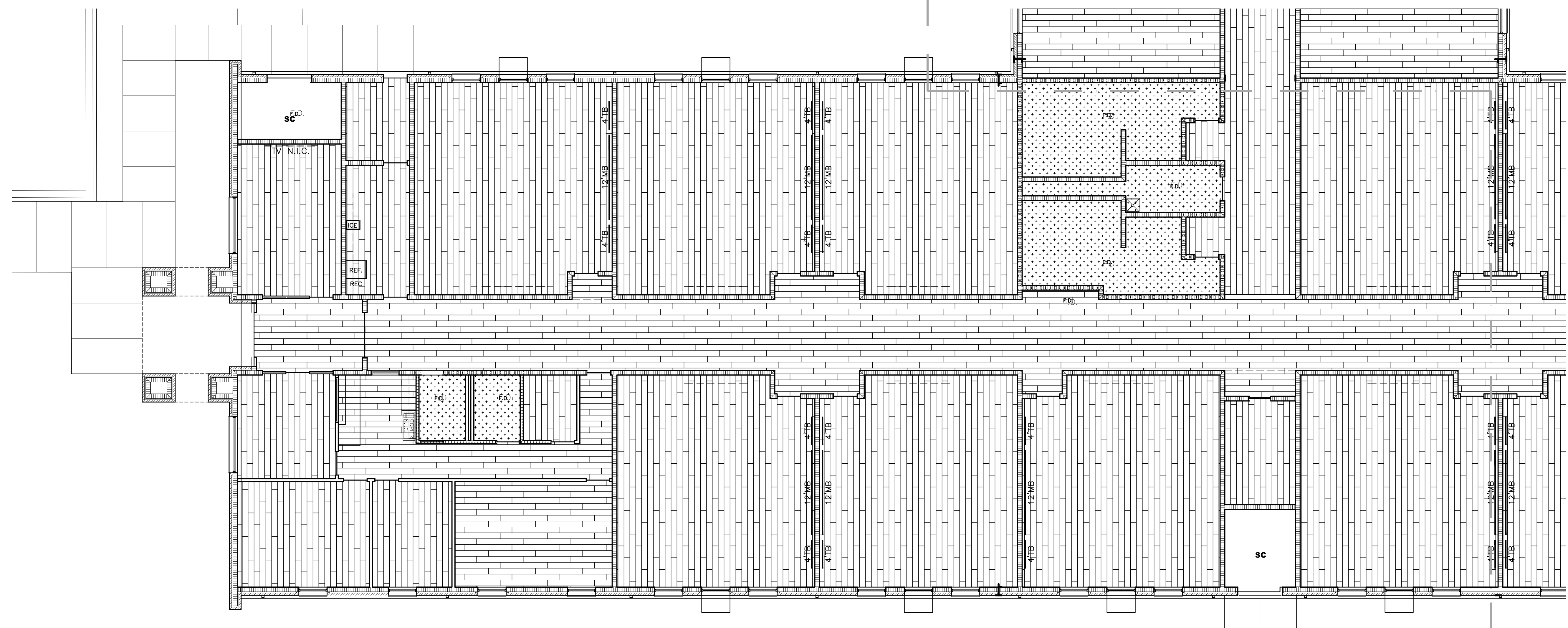
A8.1

20 OF 27



FINISH PATTERN LEGEND

	LVT-1 LUXURY VINYL TILE		ERF-1 EPOXY RESIN FLOOR
	SC SEALED CONCRETE		



KEY PLAN
SCALE: N.T.S.

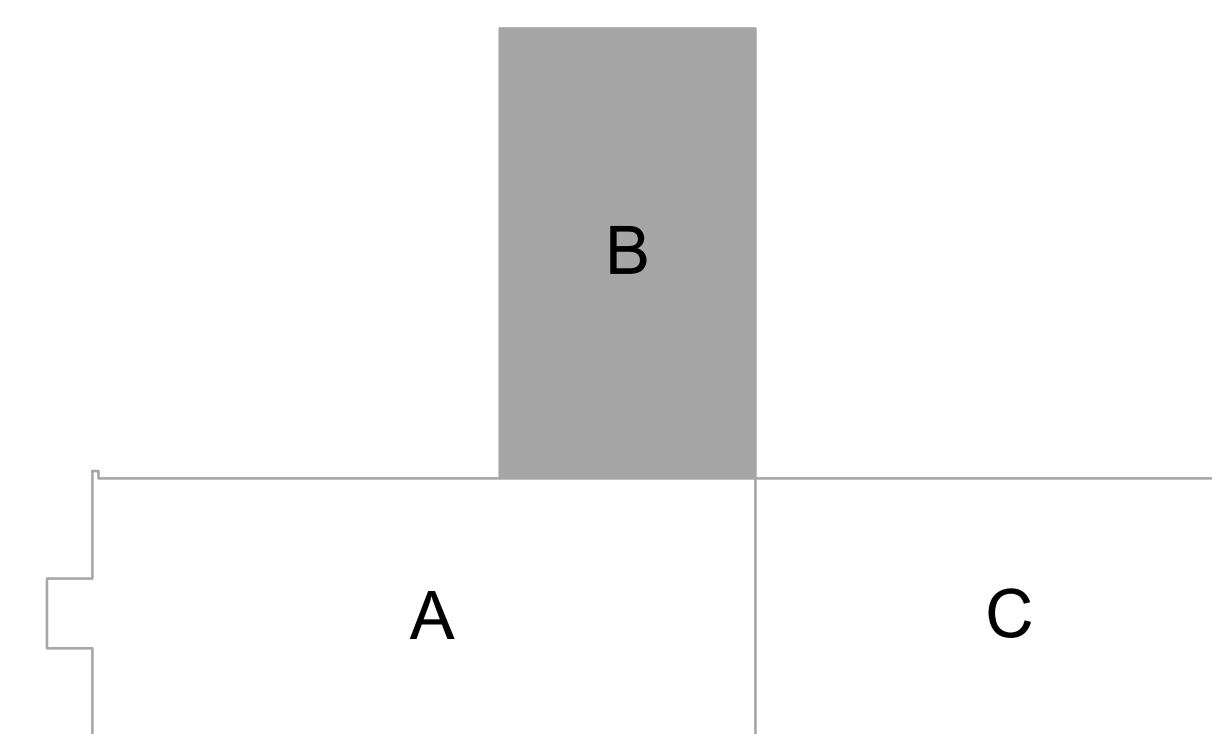
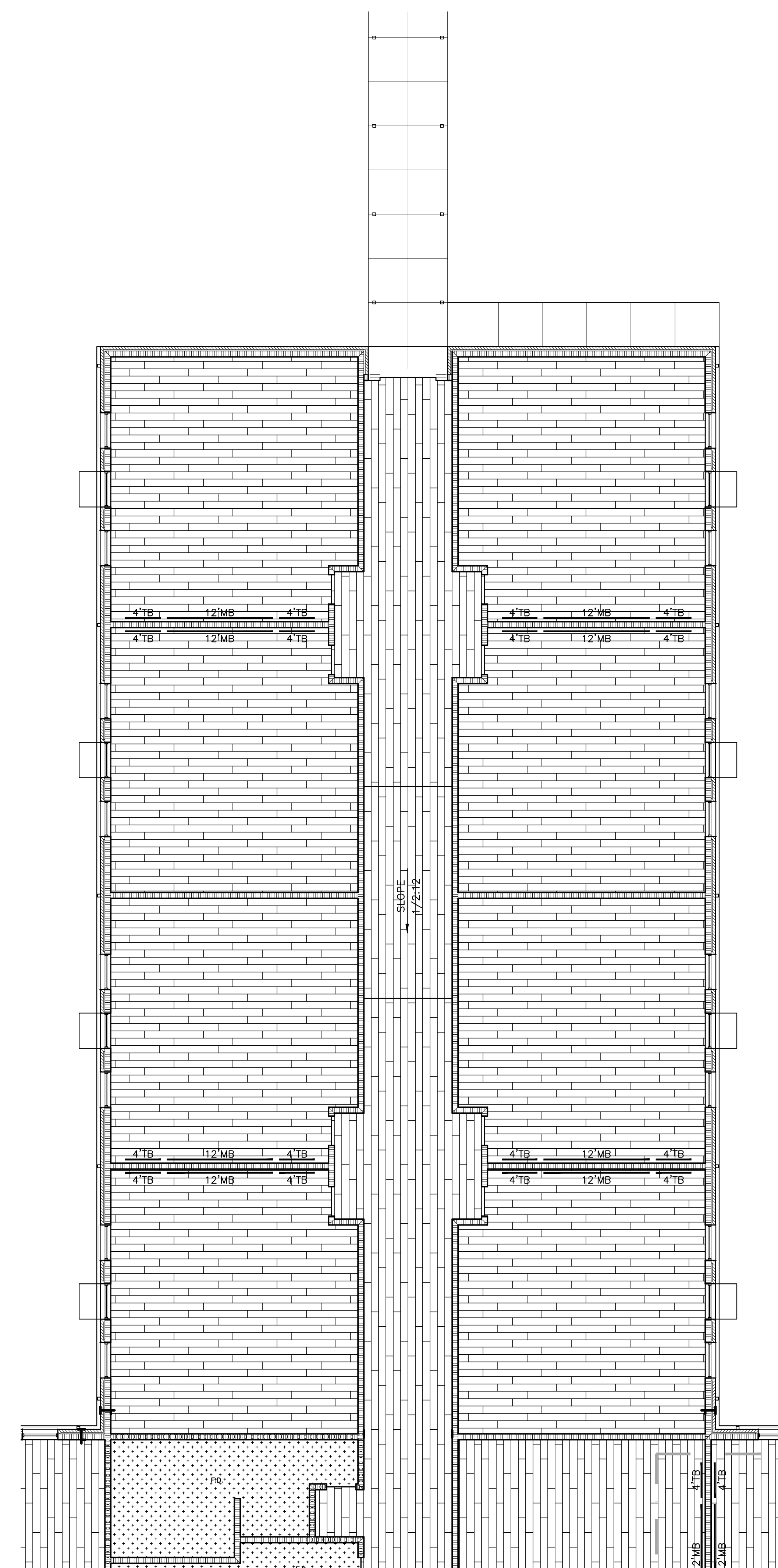
1 PARTIAL FINISH FLOOR PLAN AREA 'A'
SCALE: 1/8" = 1'-0"

AREA-A AB.1
AREA-C AB.3



FINISH PATTERN LEGEND

	LVT-1 LUXURY VINYL TILE		ERF-1 EPOXY RESIN FLOOR
	SC SEALED CONCRETE		

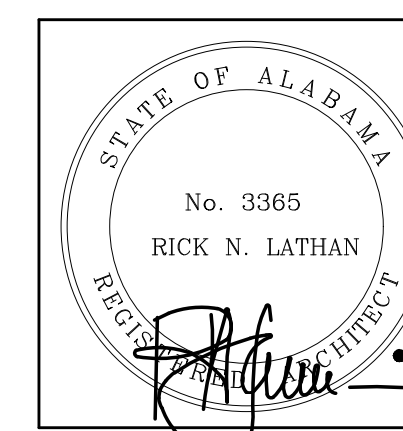


KEY PLAN
SCALE: N.T.S.

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

AREA-A A2.0
AREA-C A2.2

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION



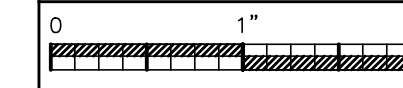
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PARTIAL FINISH
FLOOR PLAN - AREA B

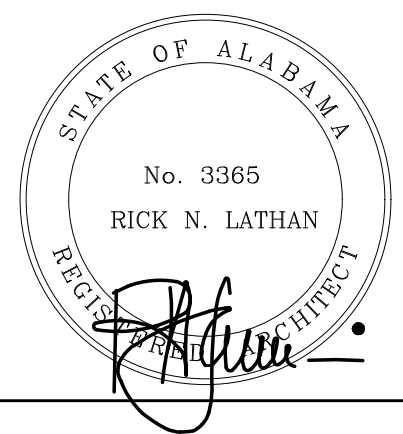
PROJ. MGR.: R. VERNON
DRAWN: BL
DATE: 6/24/2024
REVISIONS

JOB NO. **24-38**

SHEET NO:

A8.2
21 OF 27





SHEET TITLE:
PARTIAL FINISH FLOOR
PLAN - AREA C

PROJ. MGR.: R. VERNON
DRAWN: BL
DATE: 6/24/2024
REVISIONS

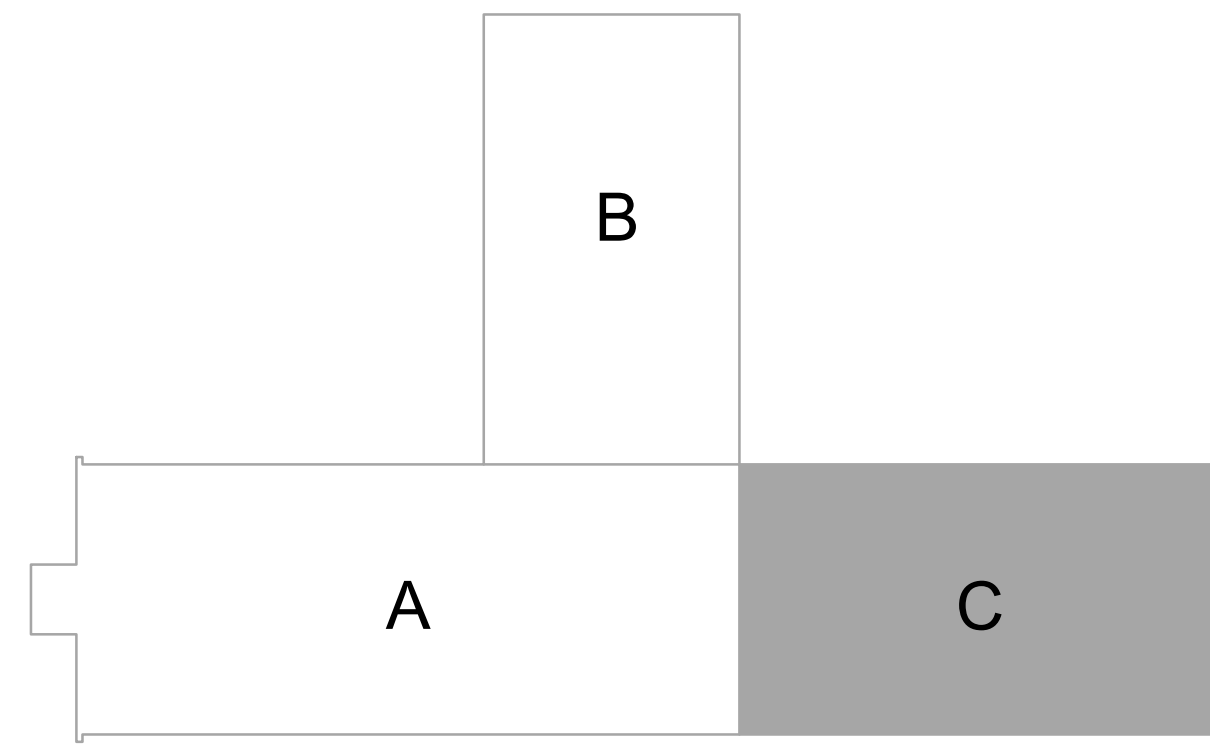
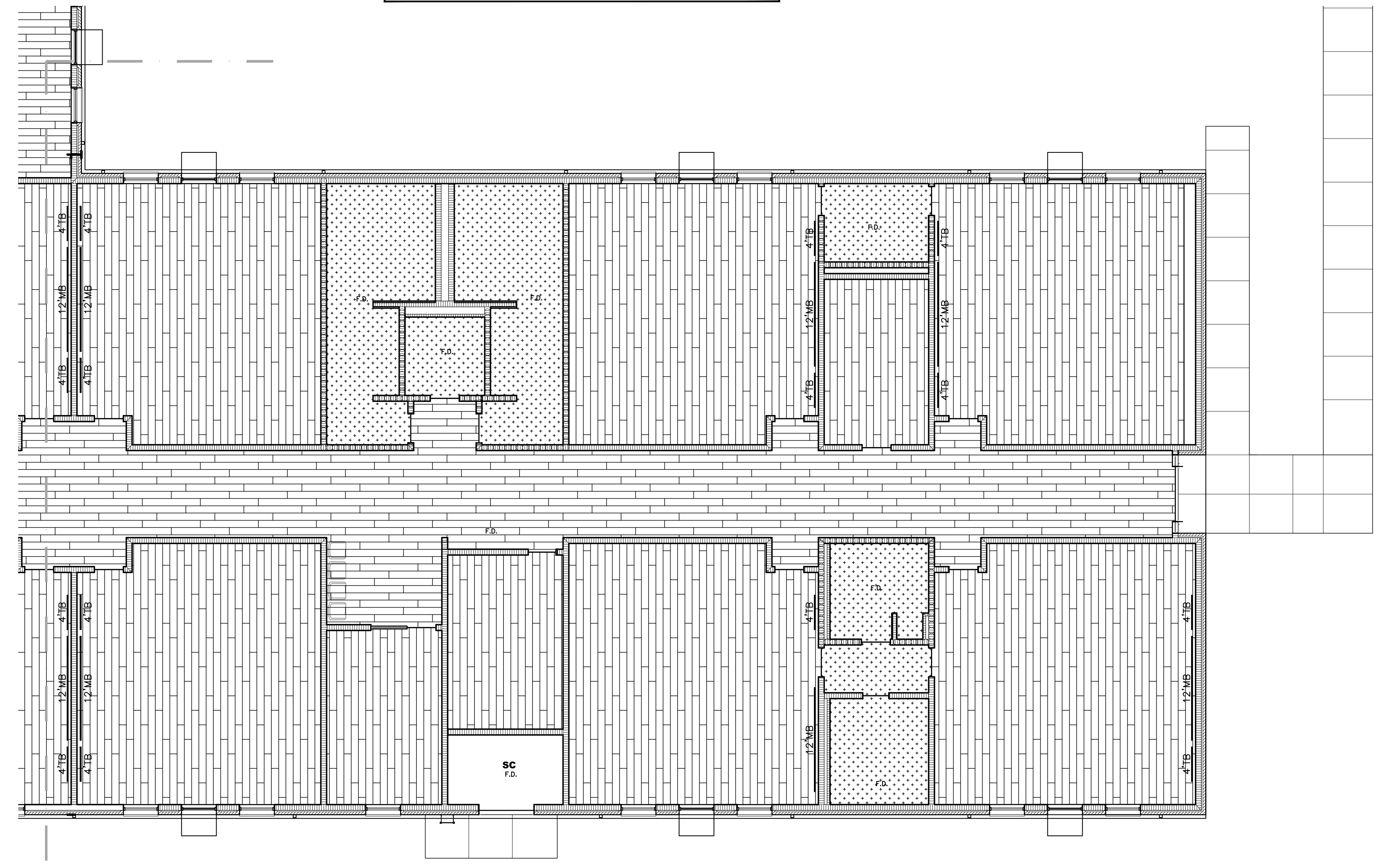
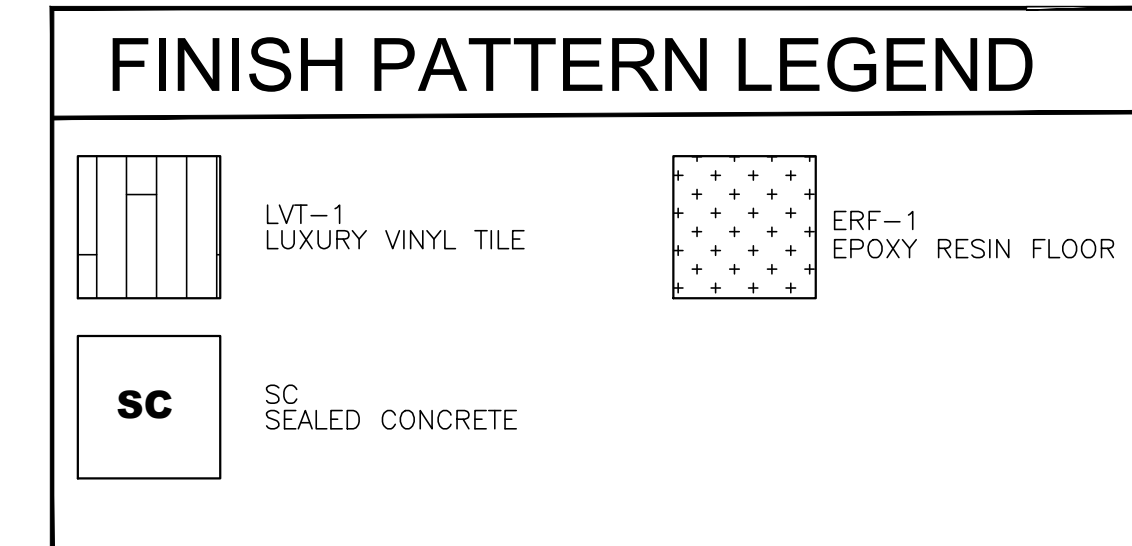
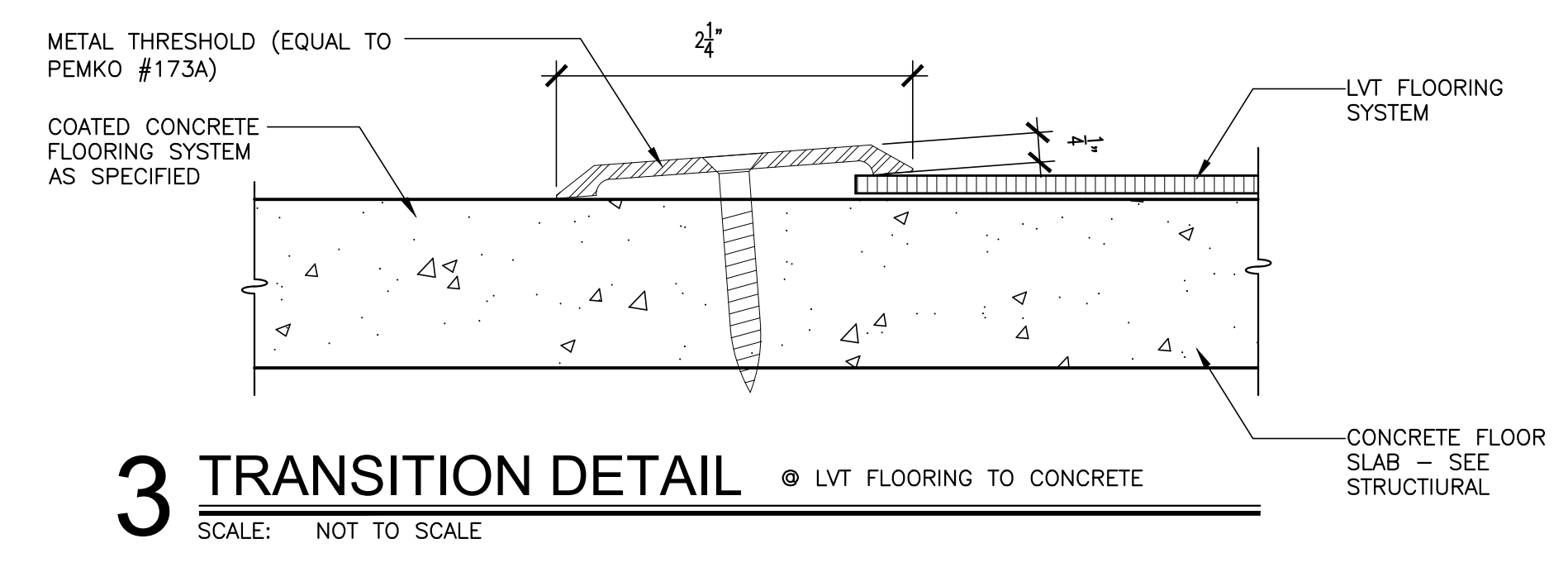
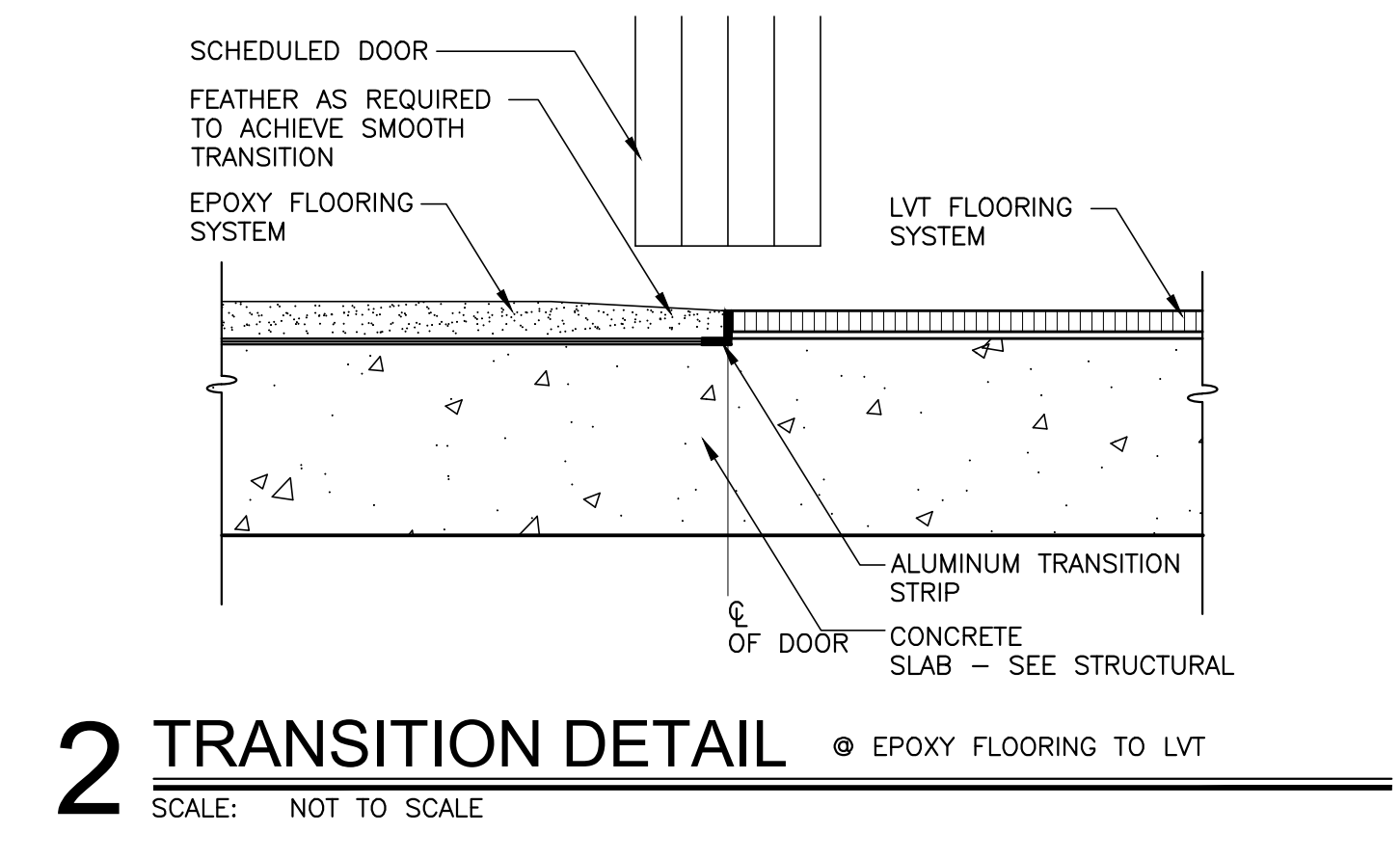
JOB NO. 24-38

SHEET NO:
A8.3

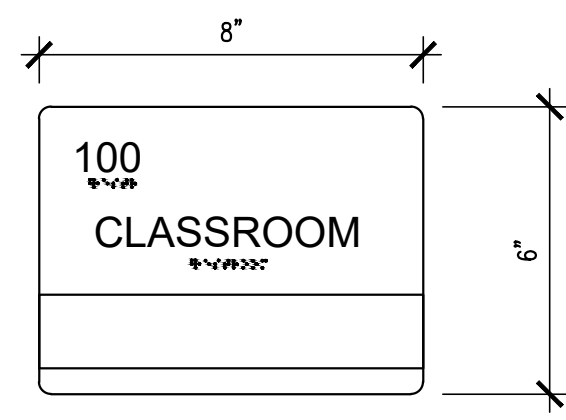
22 OF 27

FINISH SCHEDULE											
ROOM NO.	ROOM NAME	FLOOR	BASE	MILLWORK		WALLS				DOOR FRAME	NOTES
				FACE	TOP	NORTH	SOUTH	EAST	WEST		
A100	CORRIDOR	LVT-1	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
A101	MULTI-NEEDS CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
A102	PRE-K CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
A103	MULTI-NEEDS CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
A104	PRE-K CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
A105	HALL	LVT-1	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
A106	WORKROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
A107	LAUNDRY	ERF-1	ERB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT IN ALL WET AREAS
A108	TOILET	ERF-1	ERB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT IN ALL WET AREAS
A109	TOILET	ERF-1	ERB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT IN ALL WET AREAS
A110	BOYS	ERF-1	ERB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT IN ALL WET AREAS
A111	MECHANICAL	SC	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
A112	ASST. OFFICE	LVT-1	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT IN ALL WET AREAS
A113	TOILET	ERF-1	ERB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
A114	GIRLS	LVT-1	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT IN ALL WET AREAS
A115	STORAGE	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
A116	CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
A117	CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
A118	CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
A119	CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
A120	STORAGE	LVT-1	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
A121	ELECTRICAL	SC-1	NO BASE								
B100	CORRIDOR	LVT-1	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
B101	IDF	LVT-1	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT IN ALL WET AREAS
B102	CLASSROOM	ERF-1	ERB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
B103	CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
B104	CUSTODIAN	ERF-1	ERB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT IN ALL WET AREAS
B105	CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
B106	BOYS	ERF-1	ERB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT IN ALL WET AREAS
B107	CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
B108	CLASSROOM	ERF-1	ERB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
B109	FILE	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
B110	CLASSROOM	LVT-1	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
B111	PRINCIPAL	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
B112	CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
B113	OFFICE	LVT-1	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
B114	ISOLATION	LVT-1	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
B115	RISER	LVT-1	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
B116	NURSE	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT IN ALL WET AREAS
B117	TOILET	SC	ERB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT IN ALL WET AREAS
B118	COUNSELOR	LVT-1	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
B119	TOILET	ERF-1	ERB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT IN ALL WET AREAS
B120	CONFERENCE	ERF-1	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
B121	WAITING	ERF-1	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
B122	VESTIBULE	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
B123	RECEPTION	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
C100	CORRIDOR	LVT-1	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
C101	CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
C102	CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
C103	CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
C104	CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
C105	CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
C106	CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
C107	CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
C108	CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	

BASE (RUBBER/CERAMIC/PORCELAIN/WOOD)				PLASTIC LAMINATE			
ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION	ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION
RB-1	JOHNSONITE	COLOR TO BE DETERMINED 1/2" RUBBER BASE	AS SCHEDULED	PL-1	FORMICA	COLOR 548-56 SMOKE BROWN PEARL EXCESSIVE MATCH LAMINATE	COUNTERTOPS/CABINETS AND SINK BASE CABINETS
ERB-1	TORIGNOL	MATCH ERF-1 1/2" INTERLAY BASE	AS SCHEDULED	PAINT/STAIN			
EPOXY RESIN				FINISH ABBREVIATION LEGEND			
ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION	PNT-1	SHERRIN WILLIAMS	COLOR: SW 7029 AGREABLE GRAY	GENERAL WALLS EPOXY AT WET AREAS
ERF-1	TORIGNOL	COLOR: CUSTOM COLOR 1/2" COLOR MAX 1/4" BROADCAST FLAKES	AS SCHEDULED	PNT-2	SHERRIN WILLIAMS	COLOR: SW 7017 DORAM GRAY	GENERAL TRIM
LUXURY VINYL TILE				FINISH NOTES			
ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION	ALL WALLS TO BE PAINTED PNT-1 UNLESS NOTED OTHERWISE.			
LVT-1	INTERFACE	COLOR: TO BE DETERMINED COLLECTION: STUDIO SET LVT	AS SCHEDULED	ALL WALLS LOCATED IN WET AREAS SHALL HAVE EPOXY BASED PAINT ONLY.			
<p>APF ACOUSTIC PANEL FABRIC CC COATED CONCRETE CM CROWN MOLDING CST CARPET CR CHAIR RAIL CMT CERAMIC WALL TILE ERB EPOXY RESIN BASE ERF EPOXY RESIN FLOOR ESD STATIC CONTROL TILE GYP GYPSUM BOARD IC IMPRINTED CONCRETE LVT LUXURY VINYL TILE</p> <p>PL PLASTIC LAMINATE PM PANEL MOLDING PNT PAINT PT PORCELAIN TILE PCT PORCELAIN TILE BASE QT QUARRY TILE OTB QUARRY TILE BASE RB RUBBER BASE RF RUBBER FLOOR SC SEALED CONCRETE SS SOLID SURFACE ST STAIN</p> <p>TP TACKABLE ACOUSTIC PANEL TS TACKABLE SURFACE LVT VINYL COMP. TILE WB WOOD BASE WC WALLCOVERING WF WOOD FLOORING WP WOOD PANELING WV WOOD VENEER</p>				<p>ALL ROOM NUMBERS SHOULD BE USED FOR CONSTRUCTION PURPOSES ONLY.</p>			

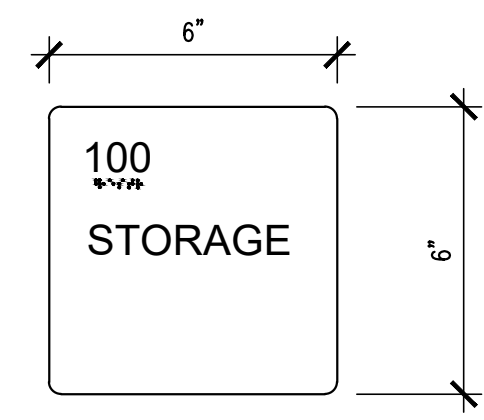


AREA-A AB.1
AREA-C AB.2
1 PARTIAL FINISH FLOOR PLAN - AREA C
SCALE: 1/8" = 1'-0"



INTERIOR SIGNAGE (SIGN TYPE - A)

SCALE: 3" = 1'-0"



INTERIOR SIGNAGE (SIGN TYPE - B)

SCALE: 3" = 1'-0"



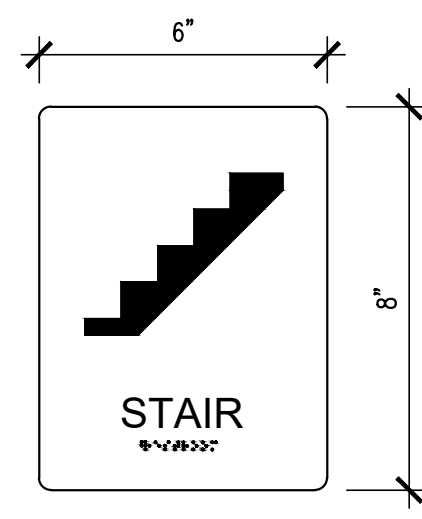
INTERIOR SIGNAGE (SIGN TYPE - C)

SCALE: 3" = 1'-0"



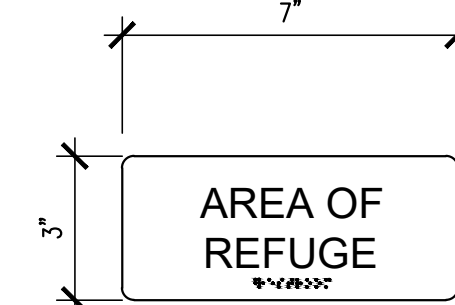
INTERIOR SIGNAGE (SIGN TYPE - D)

SCALE: 3" = 1'-0"



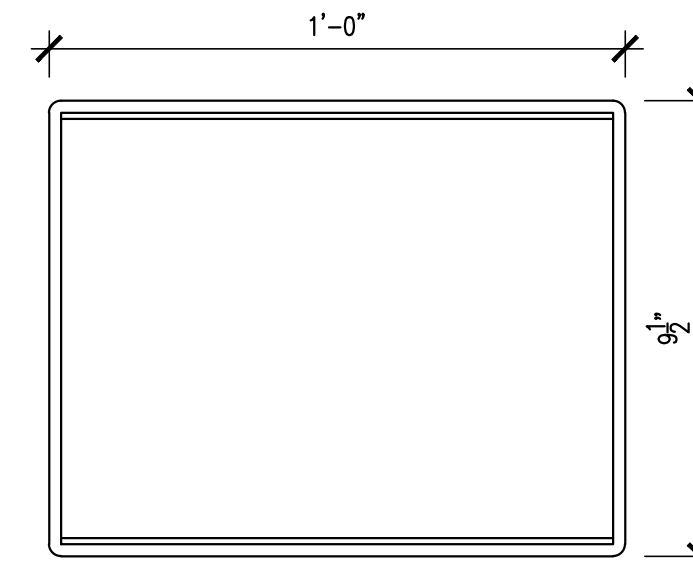
INTERIOR SIGNAGE (SIGN TYPE - E)

SCALE: 3" = 1'-0"



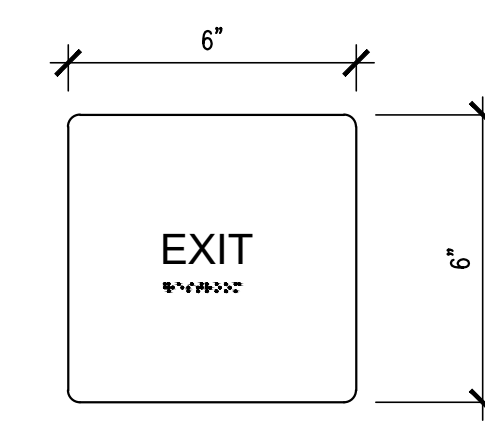
INTERIOR SIGNAGE (SIGN TYPE - F)

SCALE: 3" = 1'-0"



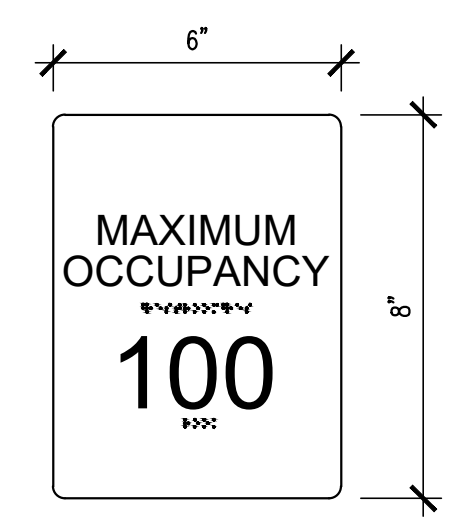
INTERIOR SIGNAGE (SIGN TYPE - G)

SCALE: 3" = 1'-0"



INTERIOR SIGNAGE (SIGN TYPE - H)

SCALE: 3" = 1'-0"

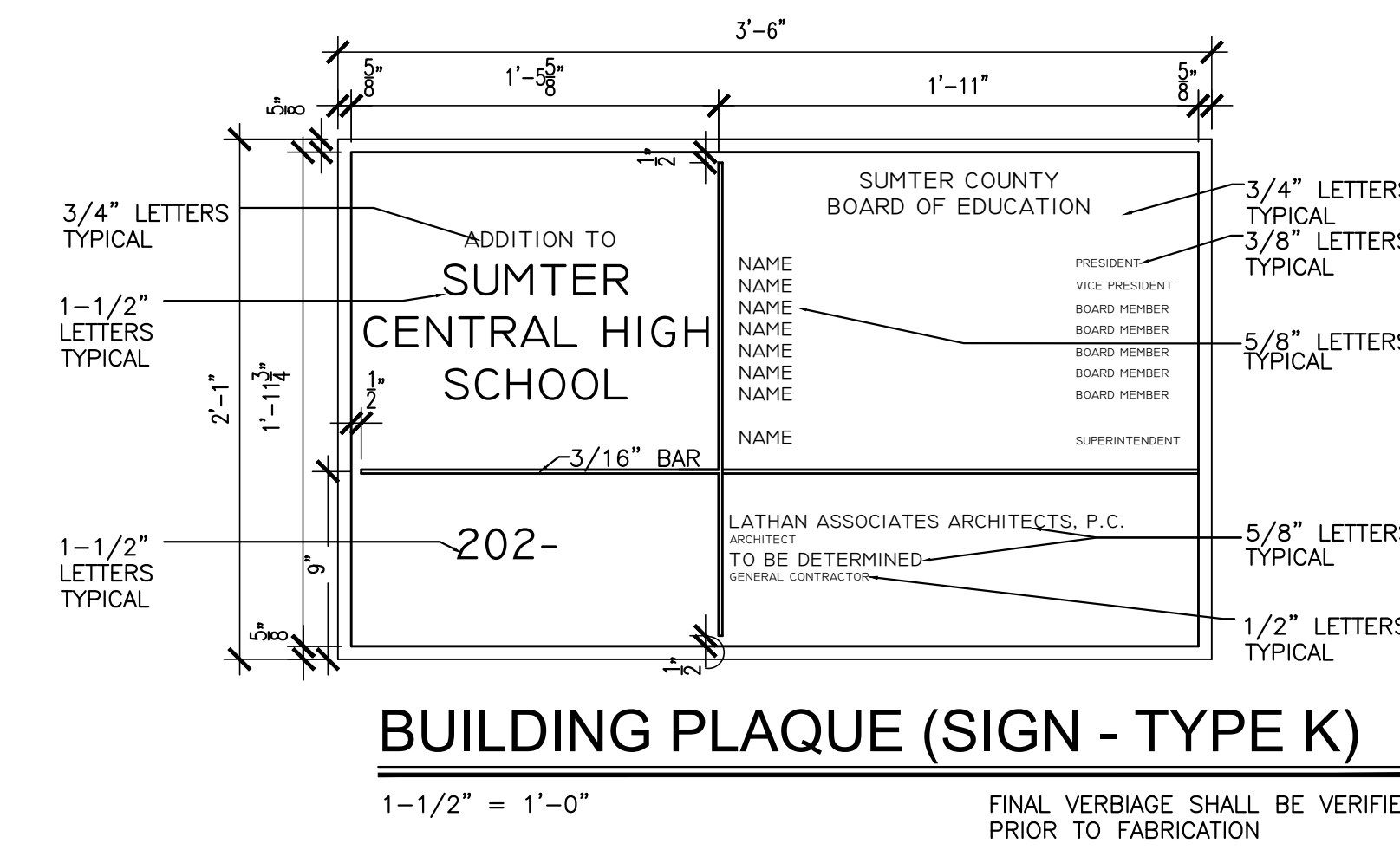


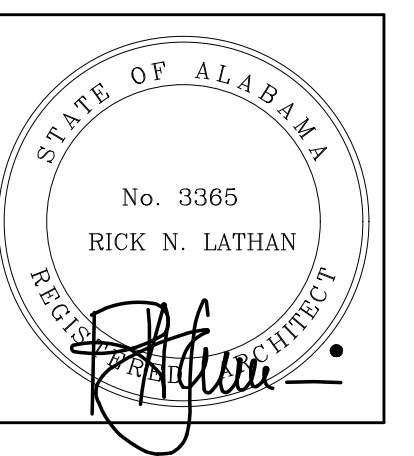
INTERIOR SIGNAGE (SIGN - TYPE J)

SCALE: 3" = 1'-0"



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





SHEET TITLE:
GYM FLOOR PLAN &
ELEVATIONS

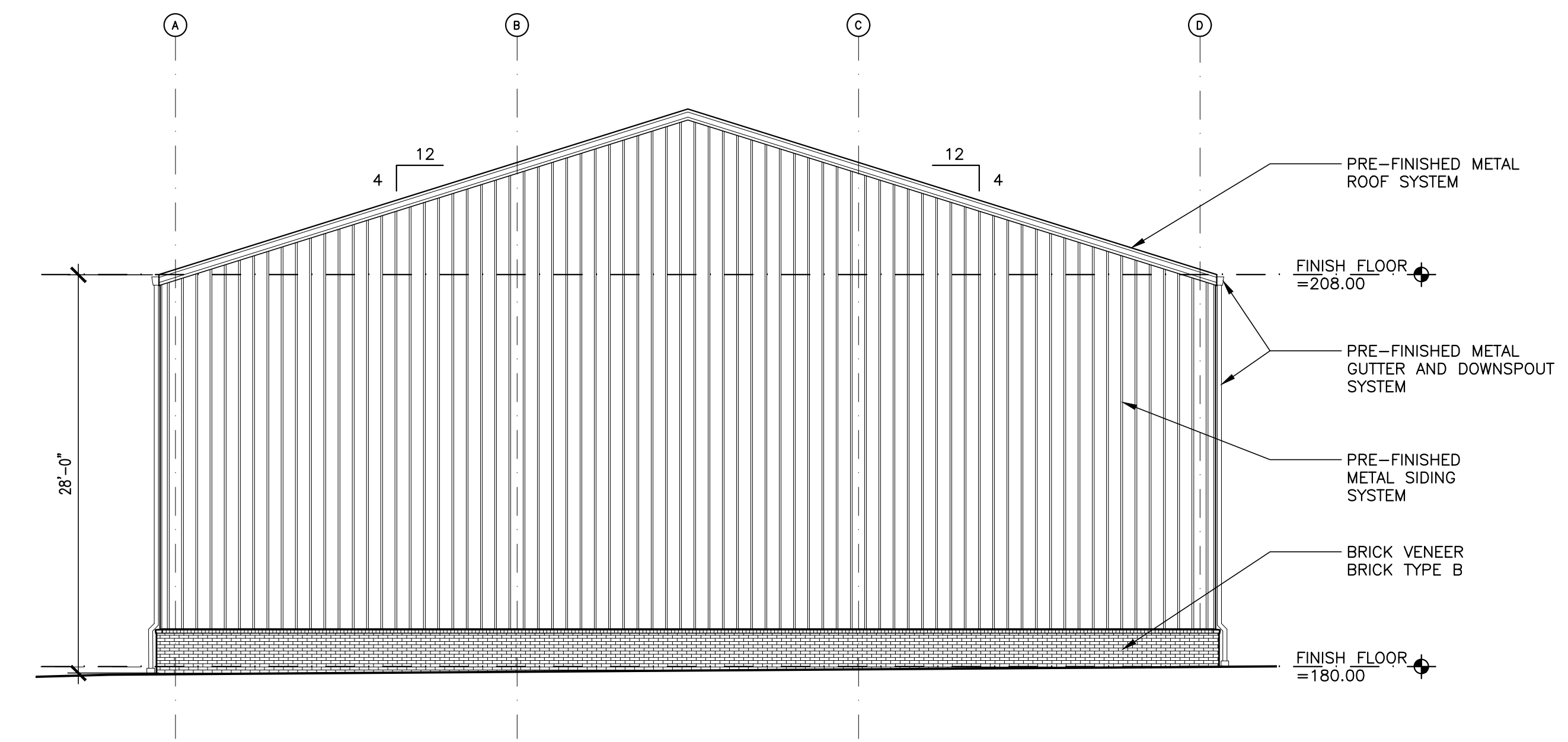
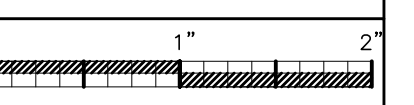
PROJ. MGR.: R. VERNON
DRAWN: JWW
DATE: 6/24/2024
REVISIONS

JOB NO. **24-38**

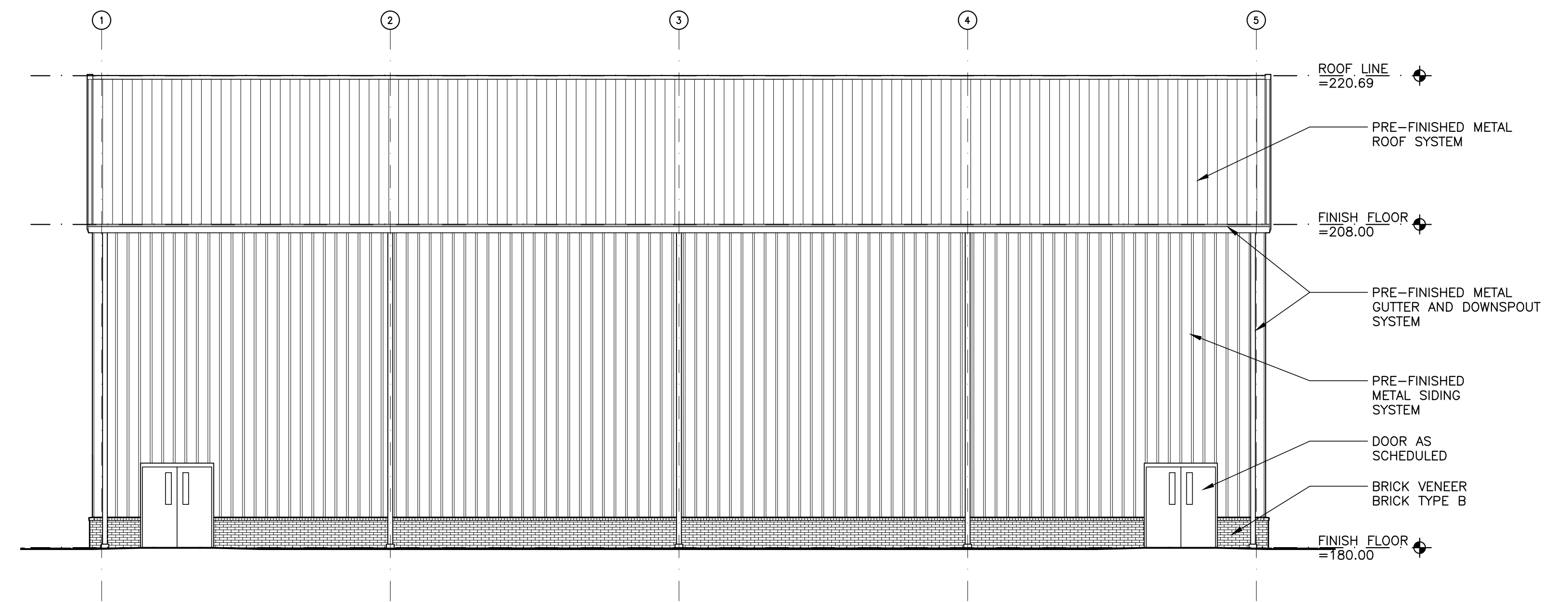
SHEET NO:

A10.0

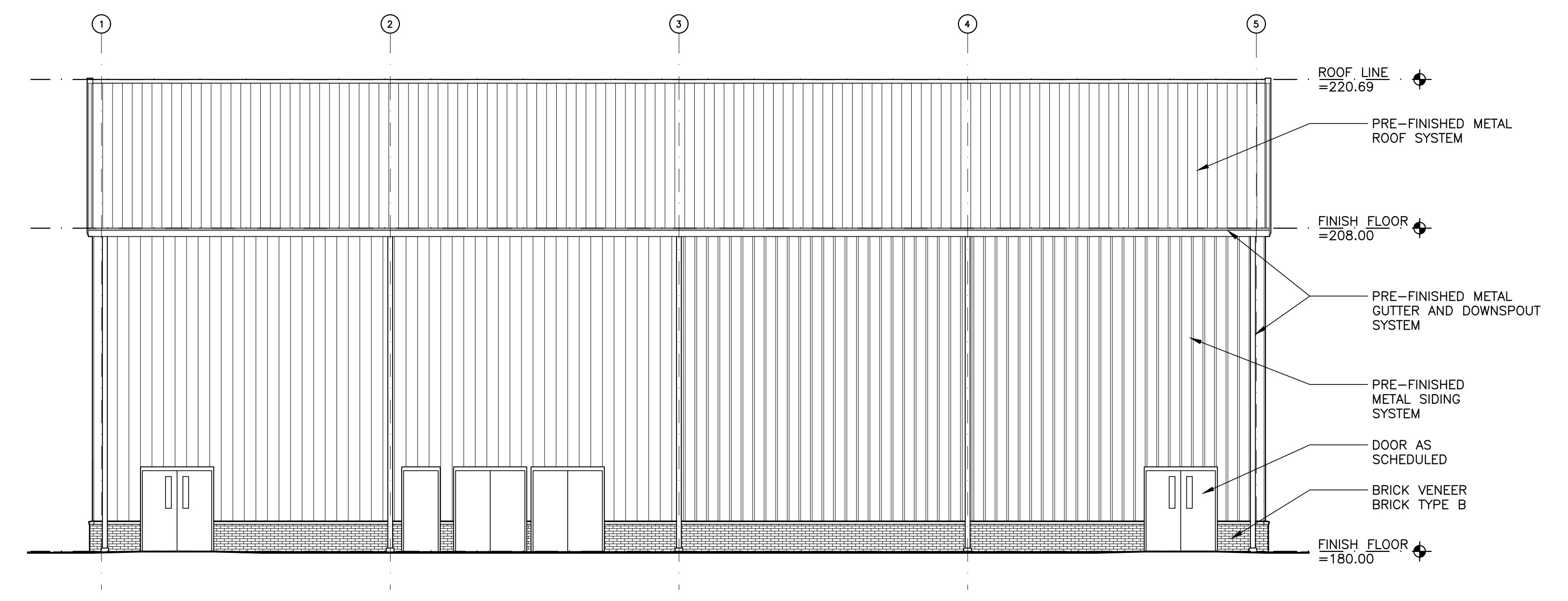
24 OF 27



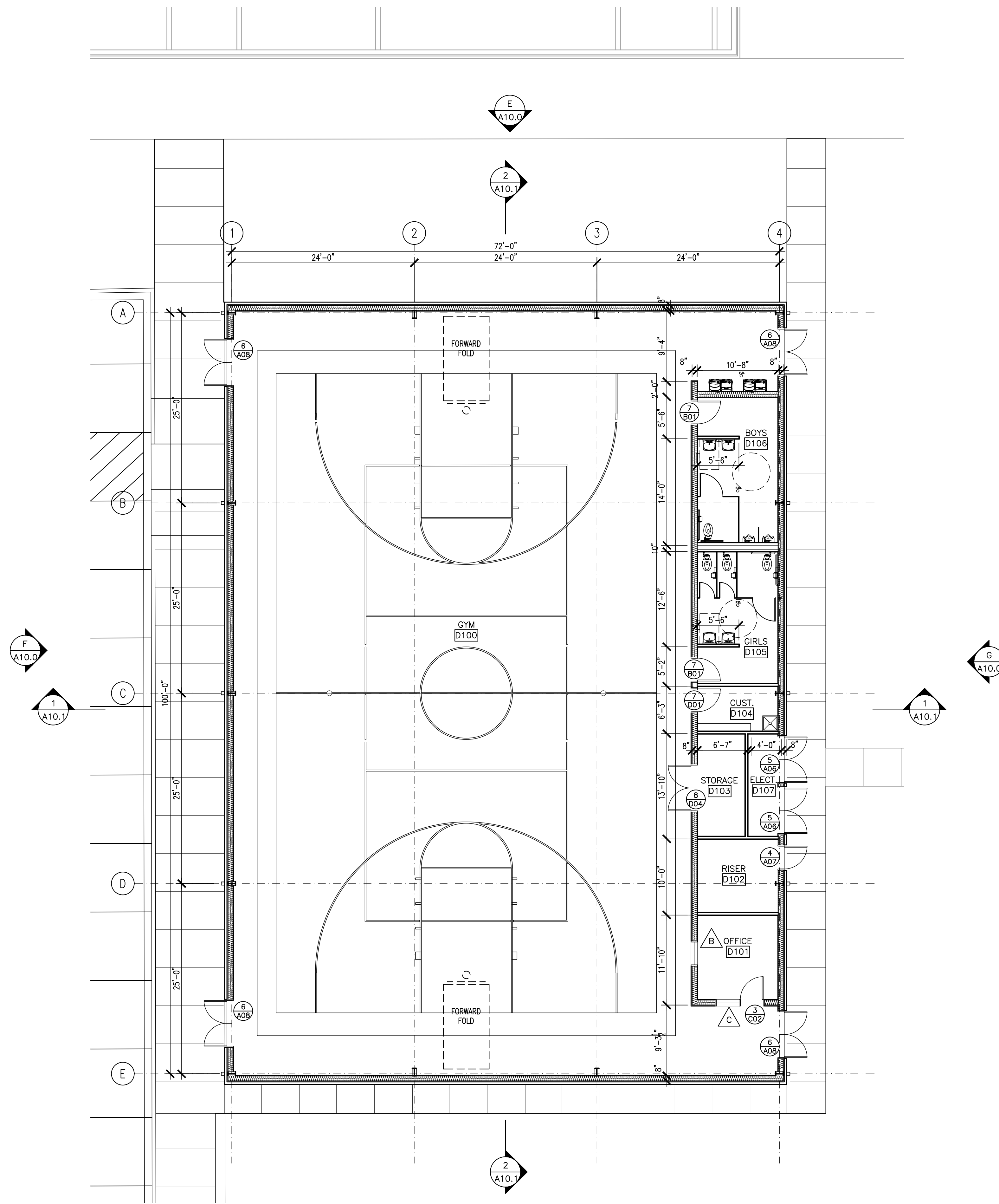
E ELEVATION
SCALE: 1/8" = 1'-0"



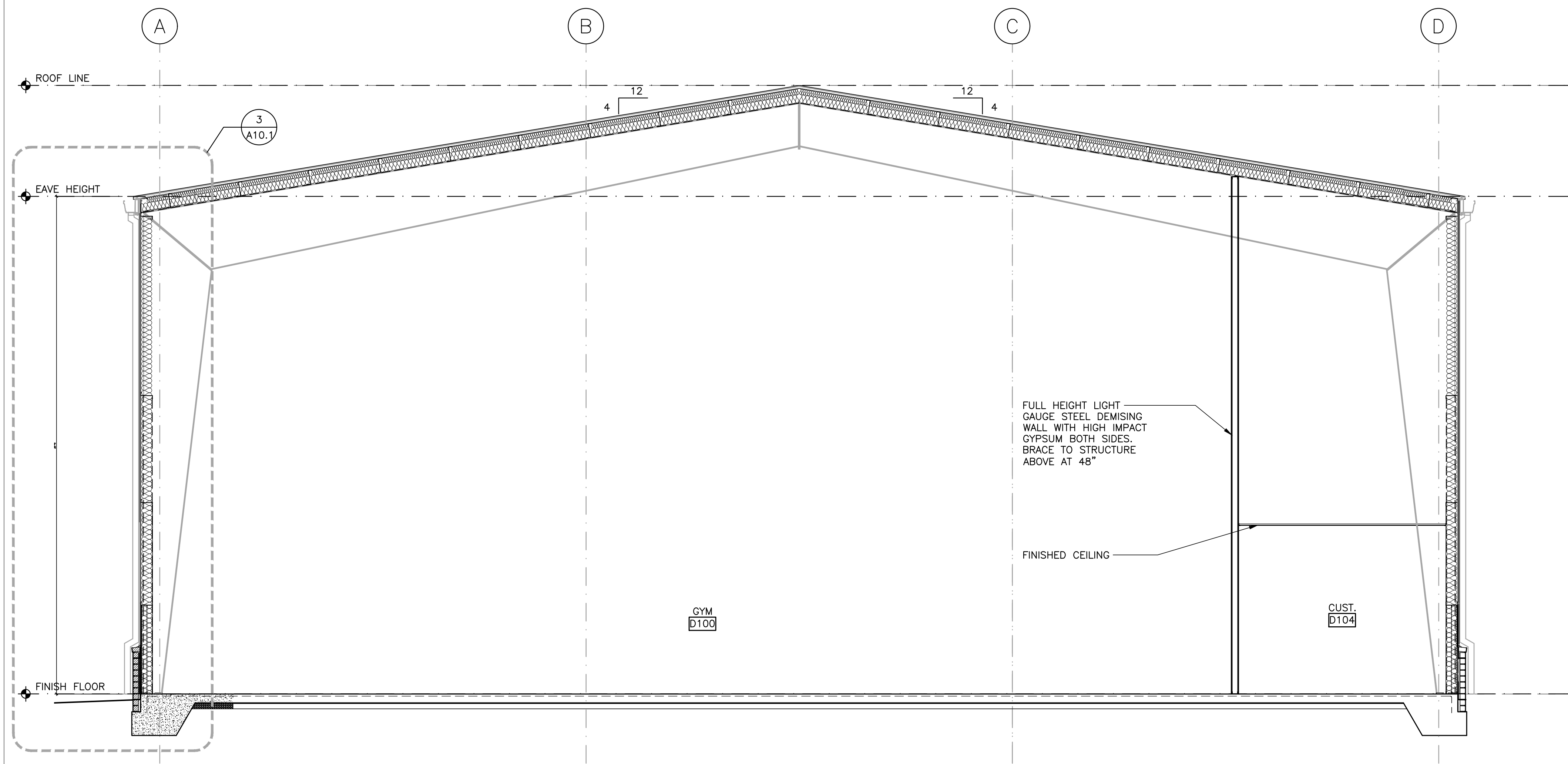
F ELEVATION
SCALE: 1/8" = 1'-0"



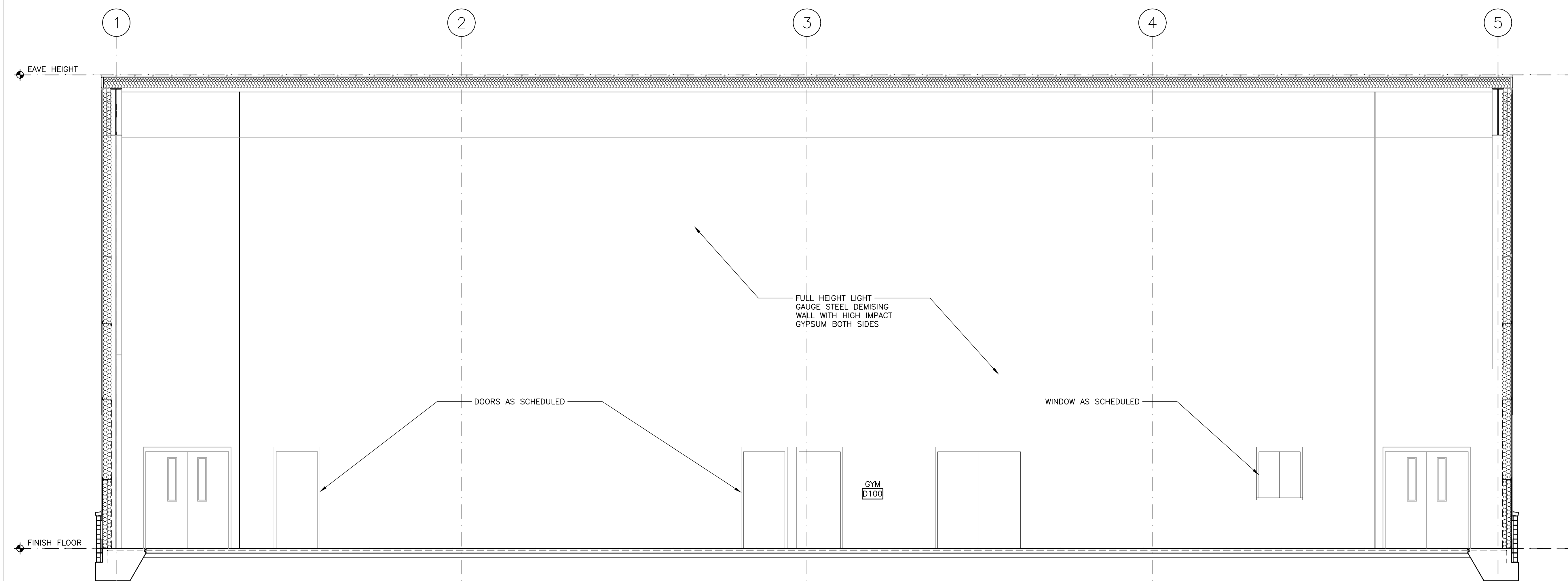
G ELEVATION
SCALE: 1/8" = 1'-0"



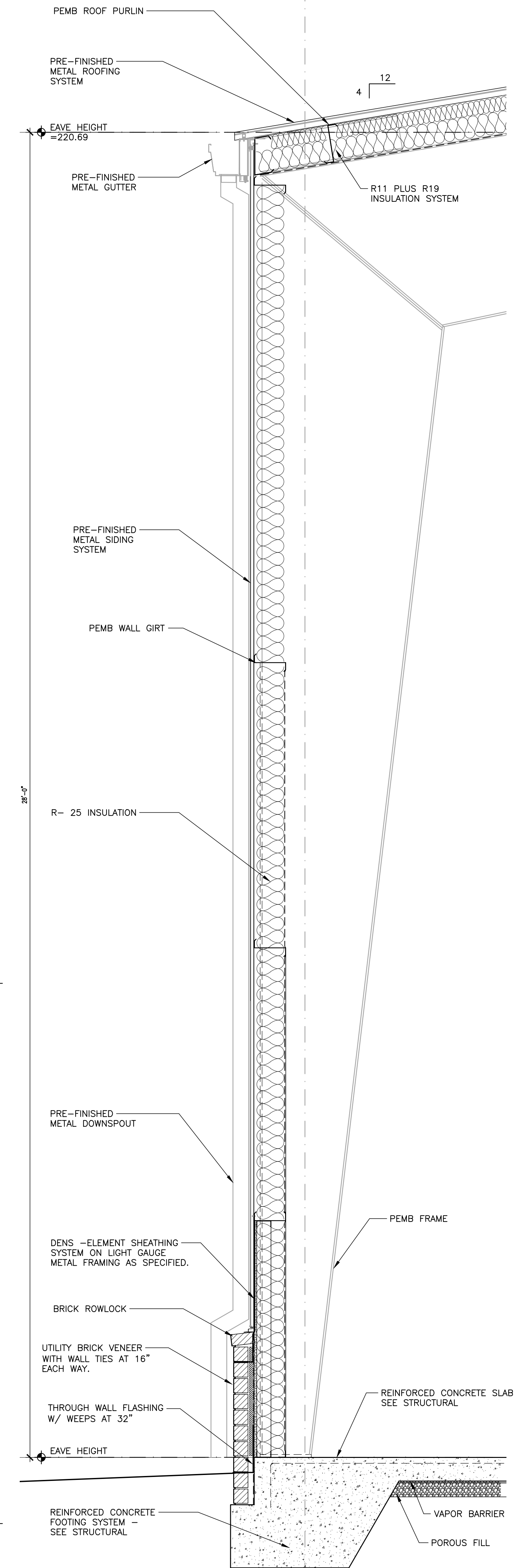
1 PARTIAL FLOOR PLAN
SCALE: 1/8" = 1'-0"



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

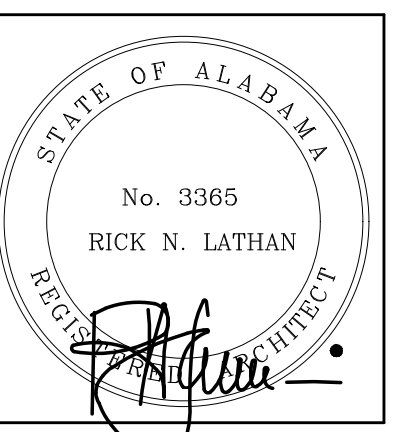


2 BUILDING SECTION
SCALE: 1/4" = 1'-0"



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

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION



SHEET TITLE:
GYM FLOOR PLAN &
ELEVATIONS

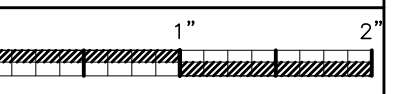
PROJ. MGR.: R. VERNON
DRAWN: -
ldr
DATE: 6/24/2024
REVISIONS

JOB NO. 24-38

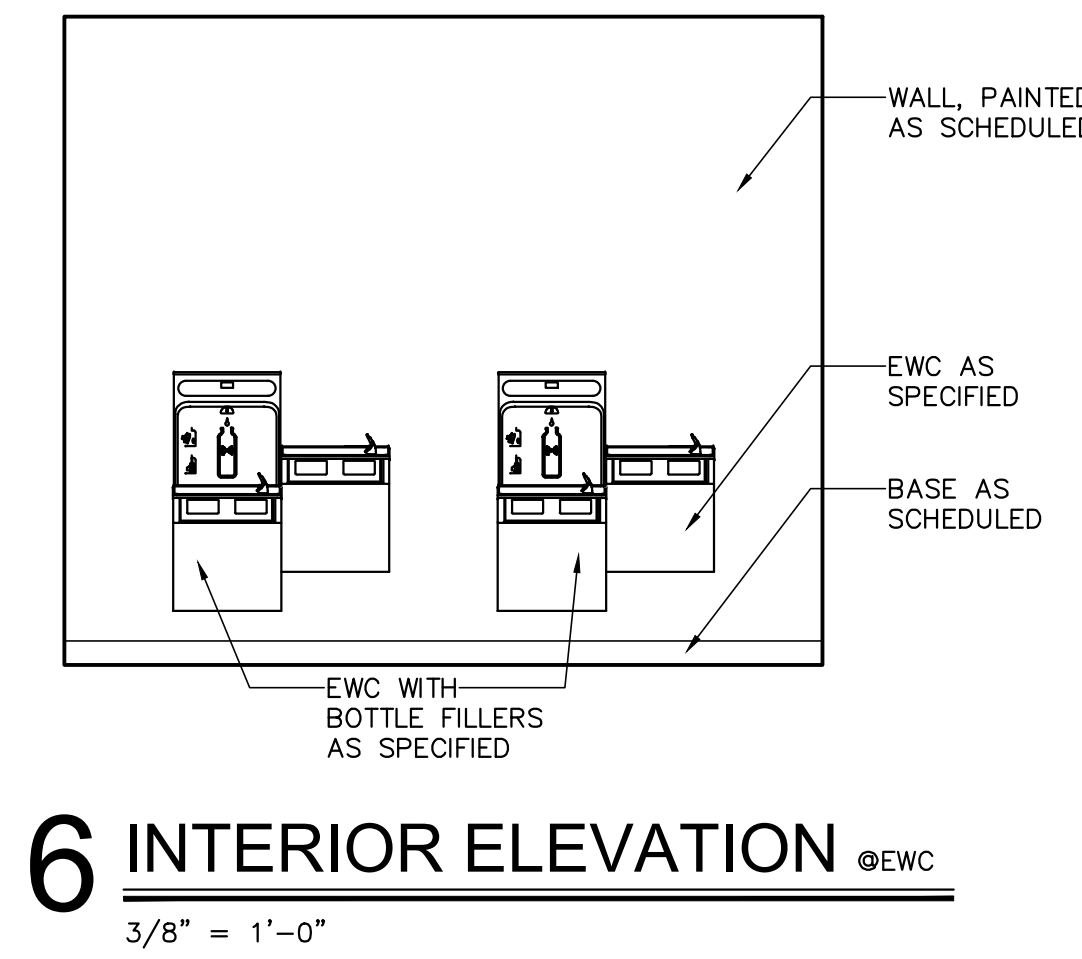
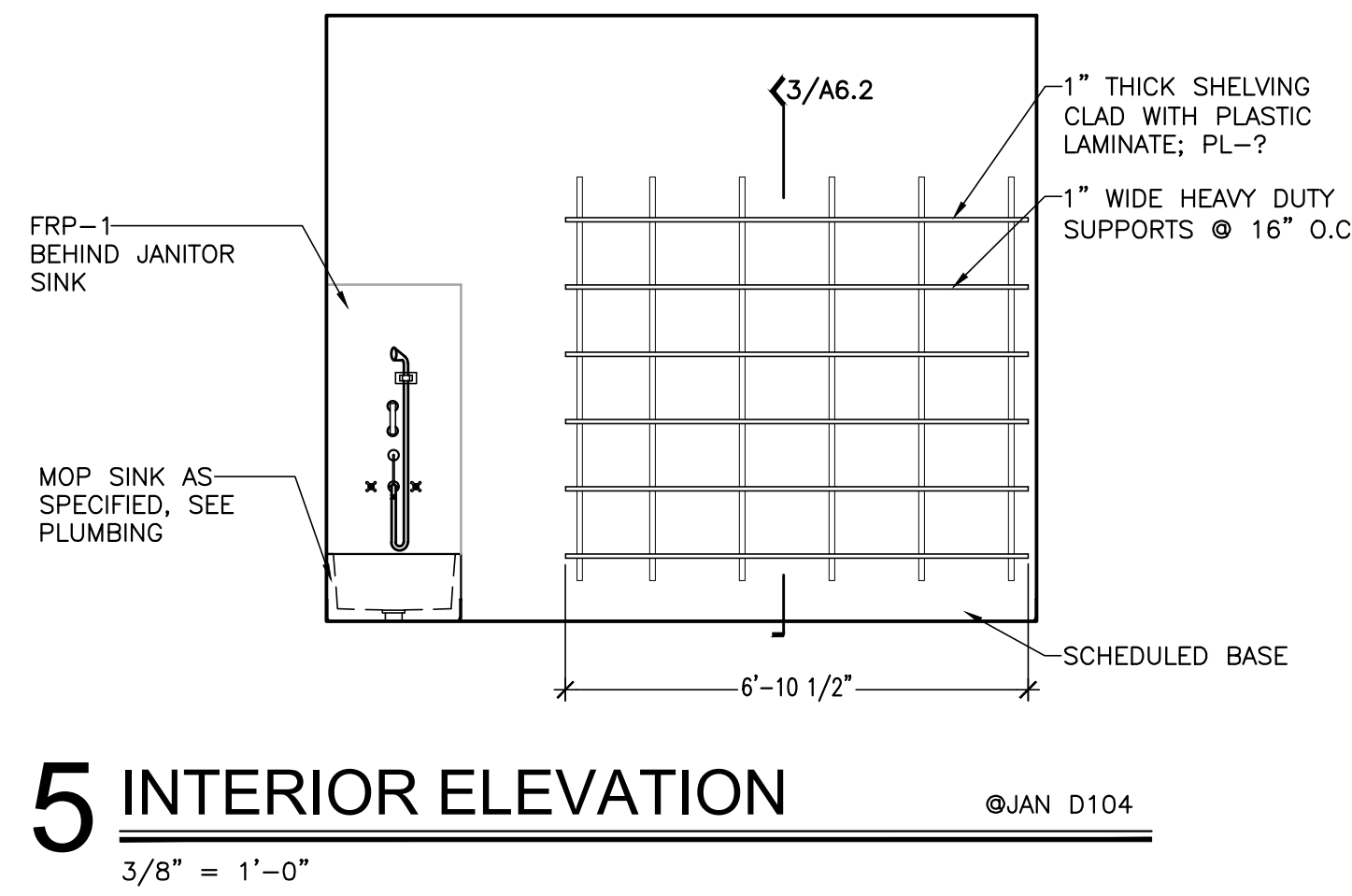
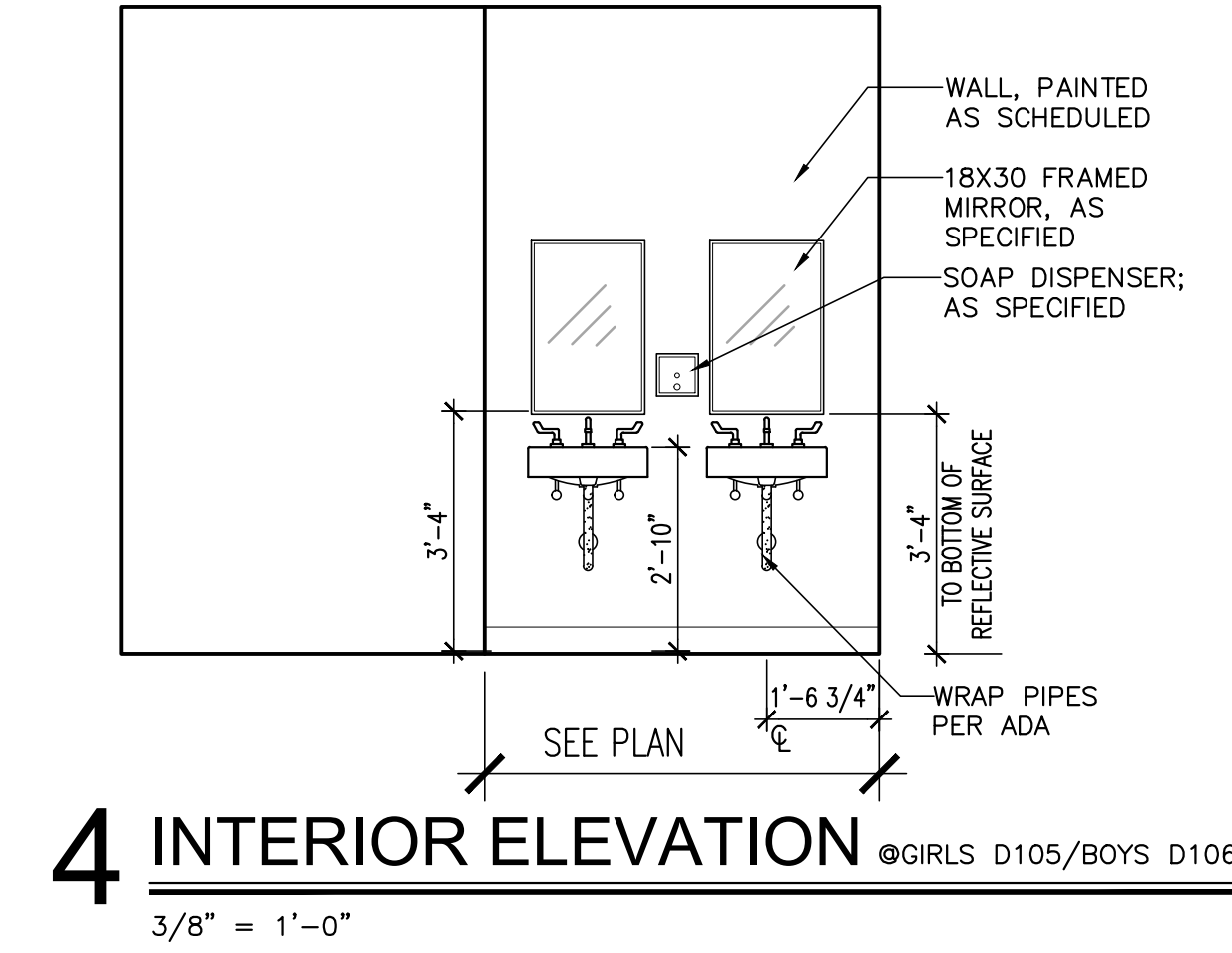
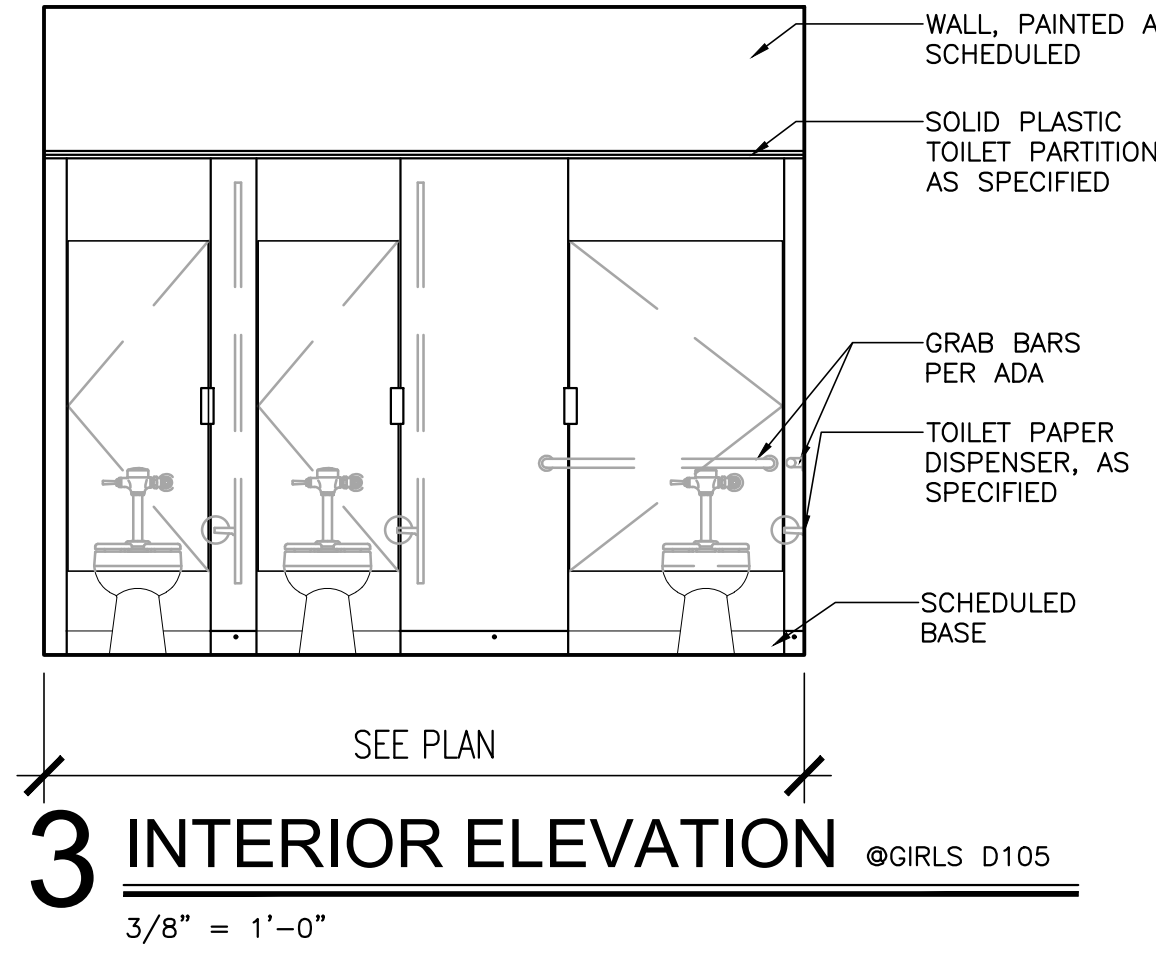
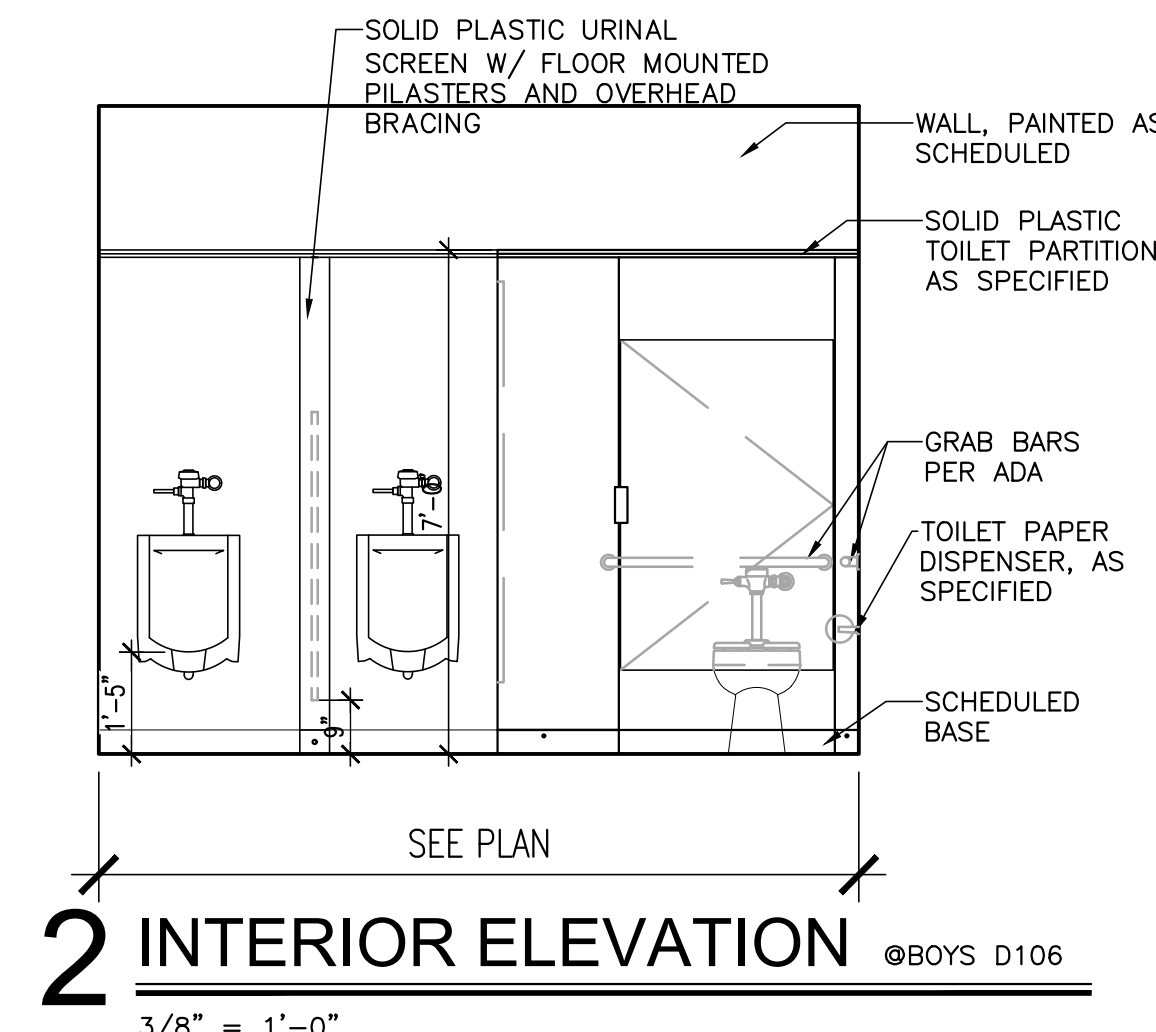
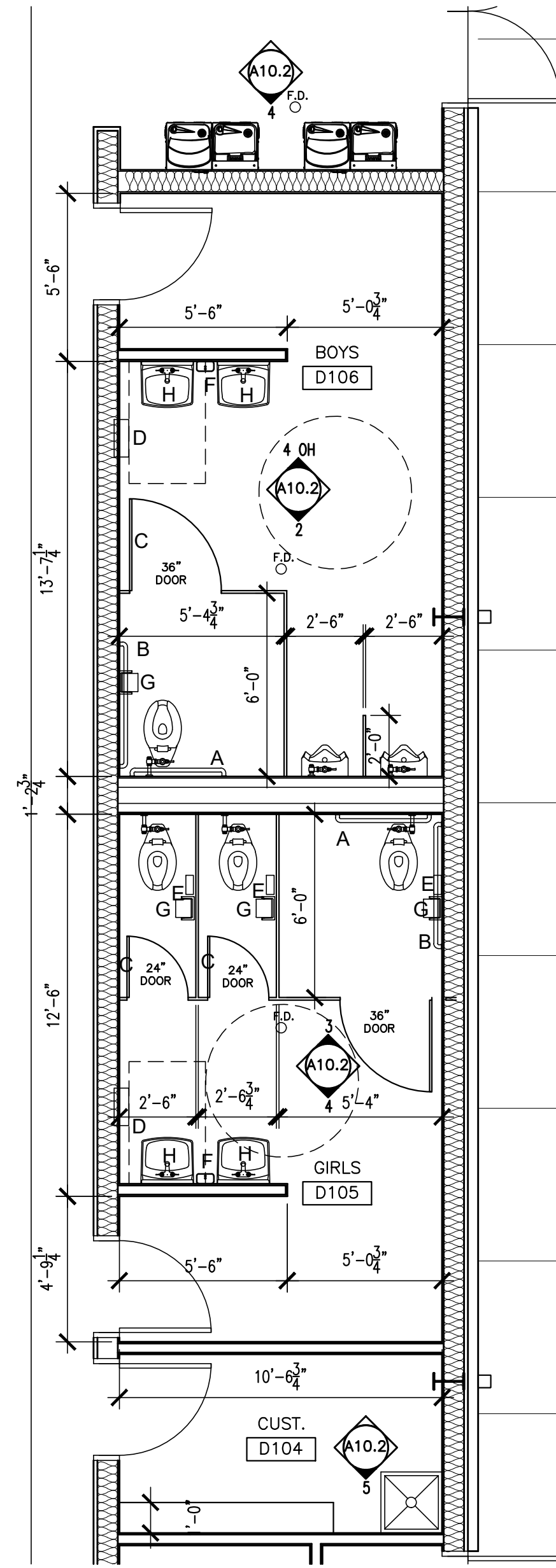
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A10.1

25 OF 27



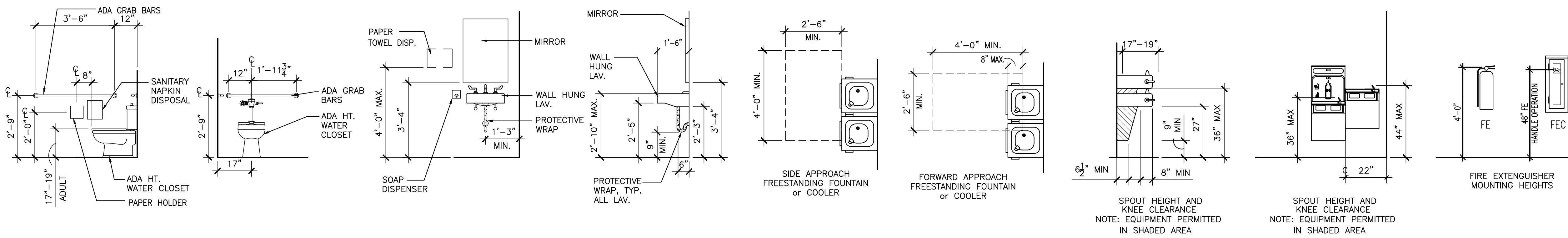
TOILET ACCESSORY LEGEND	
A	36" S.S. GRAB BAR
B	42" S.S. GRAB BAR
C	COAT HOOK (MOUNTED ON INTERIOR STALL DOOR)
D	ELECTRIC HAND DRYER
E	FEMININE NAPKIN DISPOSAL
F	SOAP DISPENSER
G	TOILET TISSUE DISPENSER
H	FRAMED MIRROR 18" X 30"
J	MOP HOLDER



1 ENLARGED TOILET PLAN
1/4" = 1'-0"

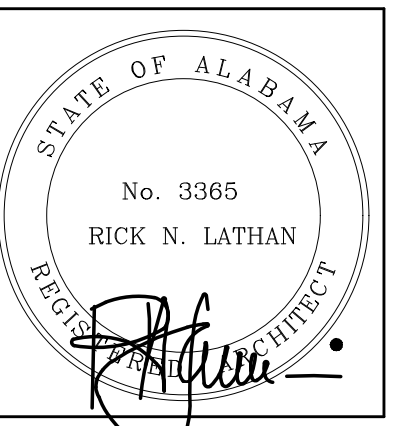
5 INTERIOR ELEVATION
3/8" = 1'-0"

6 INTERIOR ELEVATION
3/8" = 1'-0"



TYPICAL ADA DETAILS
1/4" = 1'-0"

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 111, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION



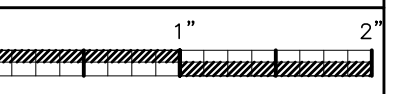
SHEET TITLE:
GYM ENLARGED TOILET
PLANS AND ELEVATIONS

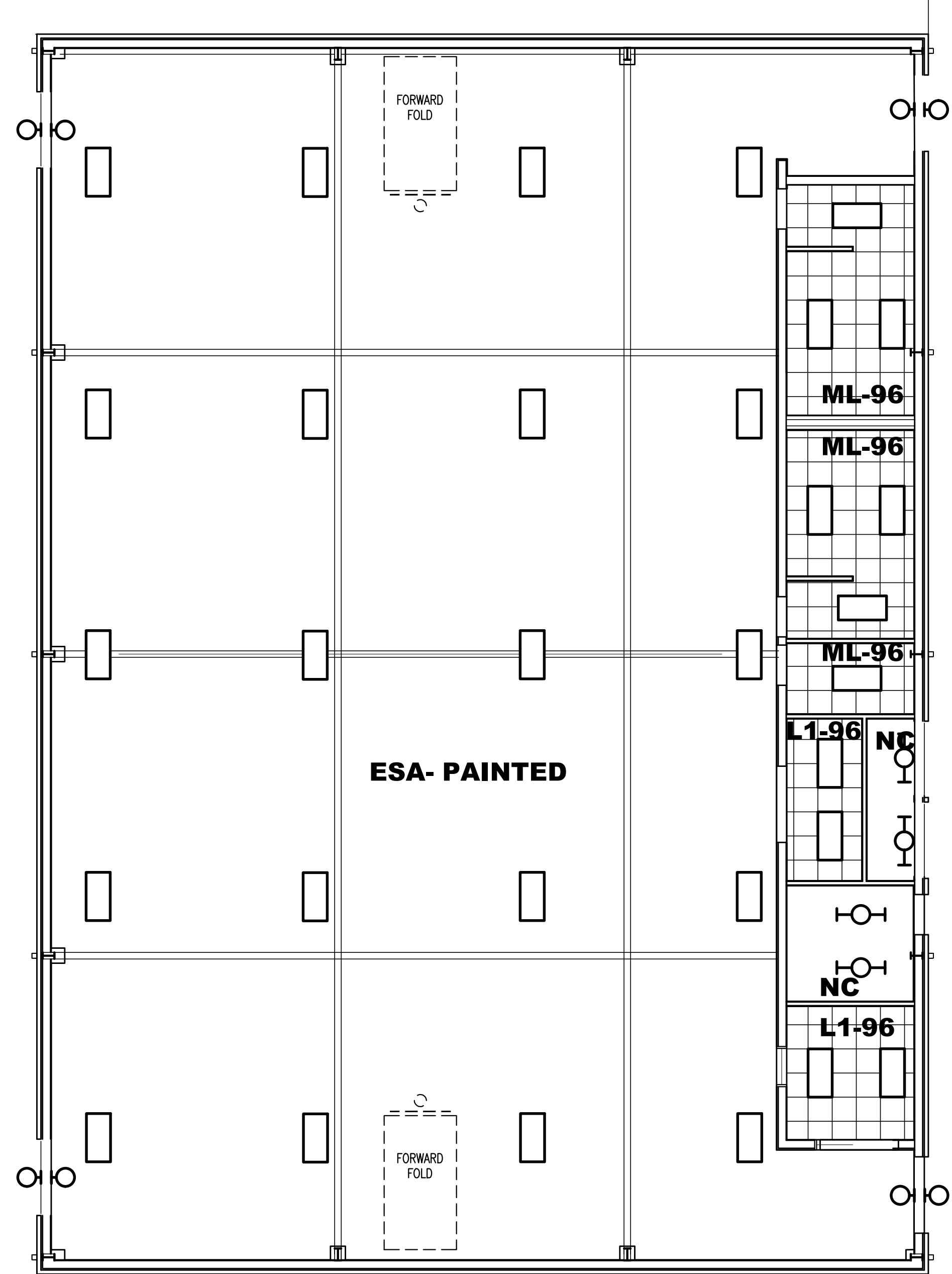
PROJ. MGR.: R. VERNON
DRAWN: BL
DATE: 6/24/2024
REVISIONS

JOB NO. 24-38

SHEET NO:

A10.2
26 OF 27





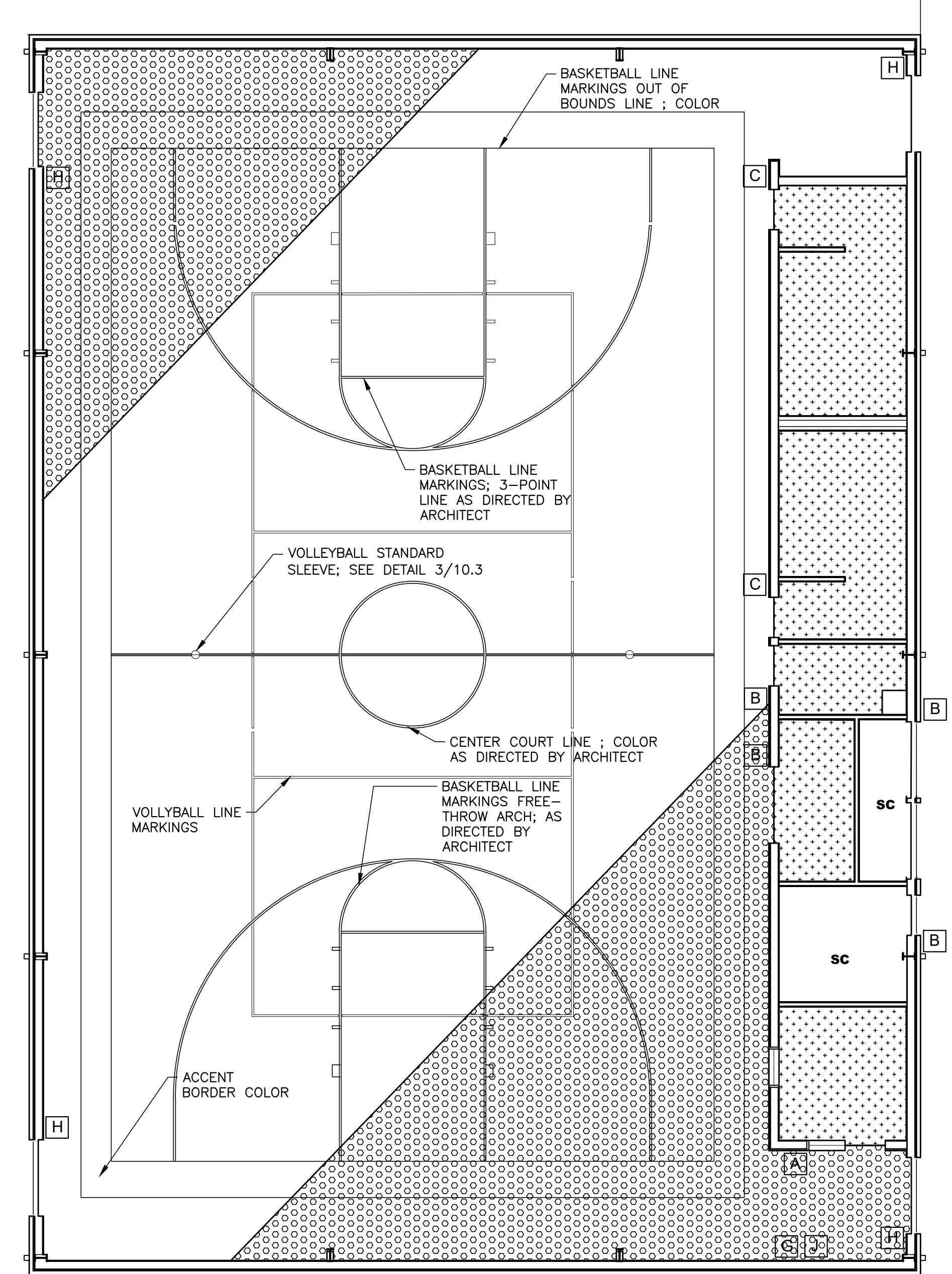
- ### CEILING NOTES
- ALL RATED GYPSUM BOARD CEILINGS TO BE TYPE "X" FIRE RATED GYPSUM BOARD. ALL GYPSUM BOARD WITHIN GYMNASIUM TO BE IMPACT RESISTANT.
 - COORDINATE W/ MECH, PLUMBING, & ELECTRICAL DRAWINGS AND PROVIDE FRAMING AS REQUIRED TO ACCOMMODATE MECHANICAL, PLUMBING, & ELECTRICAL SYSTEMS.
 - AFF - ABOVE FINISHED FLOOR
 - ALL CEILING HEIGHTS INDICATED ARE FROM ADJACENT FINISHED FLOOR.
 - REFER TO ELECTRICAL DRAWINGS FOR FIXTURE TYPES.
 - ALL AREAS INDICATING NEW CEILING TO IMPLY DEMOLITION OF EXISTING CEILING SYSTEMS AS REQ'D THAT AREA.
 - ALL CEILING GRIDS ARE CENTERED IN ROOMS UNLESS NOTED OTHERWISE.
 - ALL MECHANICAL, ELECTRICAL AND PLUMBING ITEMS LOCATED IN ESA (EXPOSED STRUCTURE ABOVE) SHALL BE PAINTED AS DIRECTED BY ARCHITECT.

CEILING LEGEND

CEILING TYPE	CEILING HEIGHTS
GB-GYPSUM BOARD	E = MINIMUM EXIST. CEILING HEIGHT
MGB-MOISTURE RESISTANT GYPSUM BOARD	80 = 8'-0" AFF
EG-EXTERIOR GYPSUM BOARD	84 = 8'-4" AFF
L1-2 X 2 LAY-IN ACOUSTICAL CEILING TILE, AS SPECIFIED	86 = 8'-6" AFF
ML-2 X 2 MOISTURE RESISTANT LAY-IN	88 = 8'-8" AFF
NC-NO CEILING	810 = 8'-10" AFF
ESA-EXPOSED STRUCTURE ABOVE, PAINT	90 = 9'-0" AFF
	92 = 9'-2" AFF
	93 = 9'-3" AFF
	94 = 9'-4" AFF
	96 = 9'-6" AFF
	98 = 9'-8" AFF
	100 = 10'-0" AFF
	106 = 10'-6" AFF
	110 = 11'-0" AFF
	110 = 11'-0" AFF
	112 = 11'-2" AFF
	120 = 12'-0" AFF
	126 = 12'-6" AFF
	160 = 16'-0" AFF
	200 = 20'-0" AFF
	240 = 24'-0" AFF
	280 = 28'-0" AFF

REFER TO FINISH SYMBOLS ON PLAN FOR MATERIALS AND CEILING HEIGHTS

CEILING TYPE: CB-90
CEILING HEIGHT



FINISH PATTERN LEGEND

	LVT-1 LUXURY VINYL TILE		ERF-1 EPOXY RESIN FLOOR
	SC SEALED CONCRETE		MSC-1 MODULAR SPORT COURT

1 REFLECTED CEILING PLAN

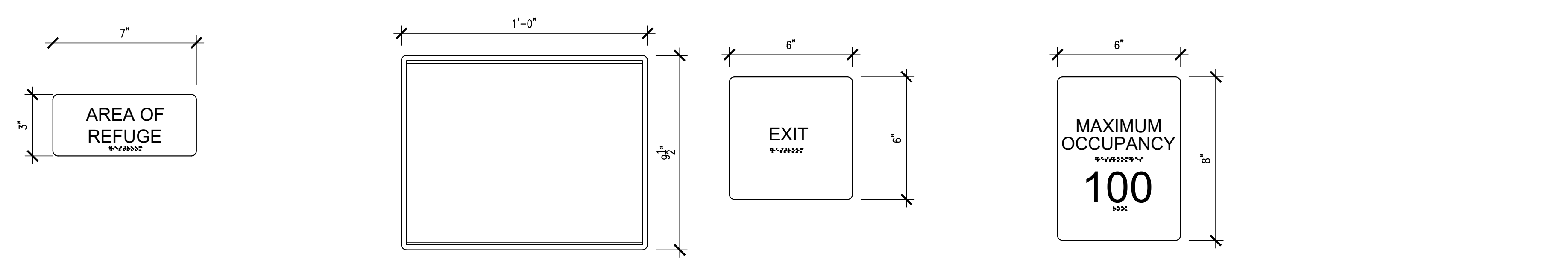
1/8" = 1'-0"

2 FLOOR FINISH PLAN

1/8" = 1'-0"



INTERIOR SIGNAGE (SIGN TYPE - A) SCALE: 3" = 1'-0"
INTERIOR SIGNAGE (SIGN TYPE - B) SCALE: 3" = 1'-0"
INTERIOR SIGNAGE (SIGN TYPE - C) SCALE: 3" = 1'-0"
INTERIOR SIGNAGE (SIGN TYPE - D) SCALE: 3" = 1'-0"
INTERIOR SIGNAGE (SIGN TYPE - E) SCALE: 3" = 1'-0"



INTERIOR SIGNAGE (SIGN TYPE - F) SCALE: 3" = 1'-0"
INTERIOR SIGNAGE (SIGN TYPE - G) SCALE: 3" = 1'-0"
INTERIOR SIGNAGE (SIGN TYPE - H) SCALE: 3" = 1'-0"
INTERIOR SIGNAGE (SIGN - TYPE J) SCALE: 3" = 1'-0"

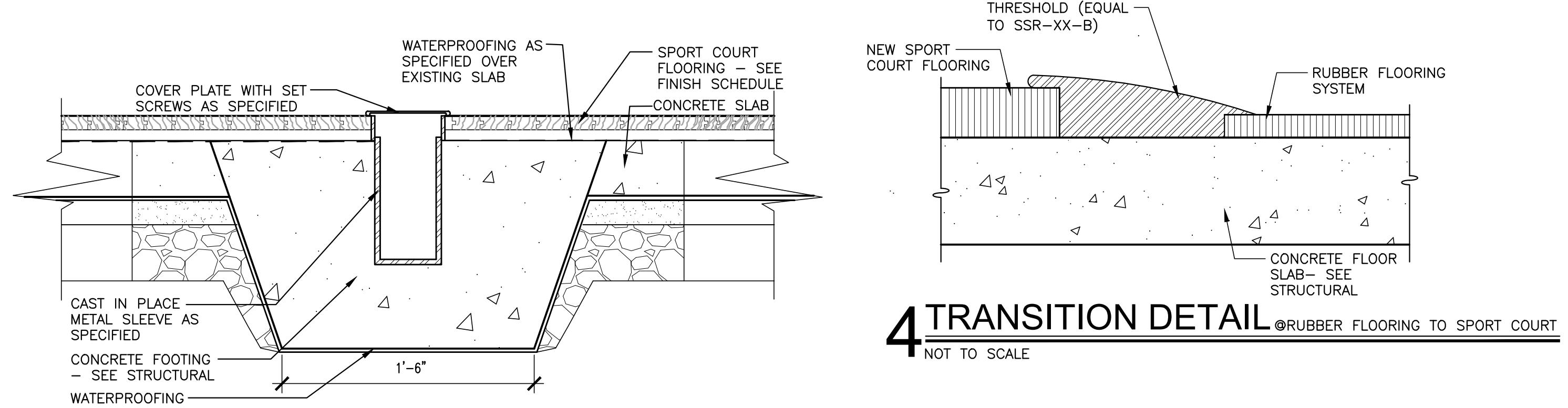
INTERIOR SIGNAGE LEGEND

A	SIGN WITH MESSAGE STRIP (OFFICE/CLASSROOM/STRUCTURAL AREA)
B	ROOM NUMBER AND NAME (STORAGE, ELECTRICAL, ETC)
C	RESTROOM SIGNAGE WITH PICTOGRAM/BRAILLE
D	ELEVATOR SIGNAGE WITH PICTOGRAM/BRAILLE
E	STAIR SIGNAGE WITH PICTOGRAM/BRAILLE
F	AREA OF REFUGE SIGN
G	FRAMED CLEAR VIEW SIGNAGE (8.5X11)
H	TACTILE EXIT SIGN TO EXTERIOR (EXIT)
J	OCCUPANT LOAD SIGN (ASSEMBLY SPACES)
K	BUILDING DEDICATION PLAQUE

FINISH SCHEDULE

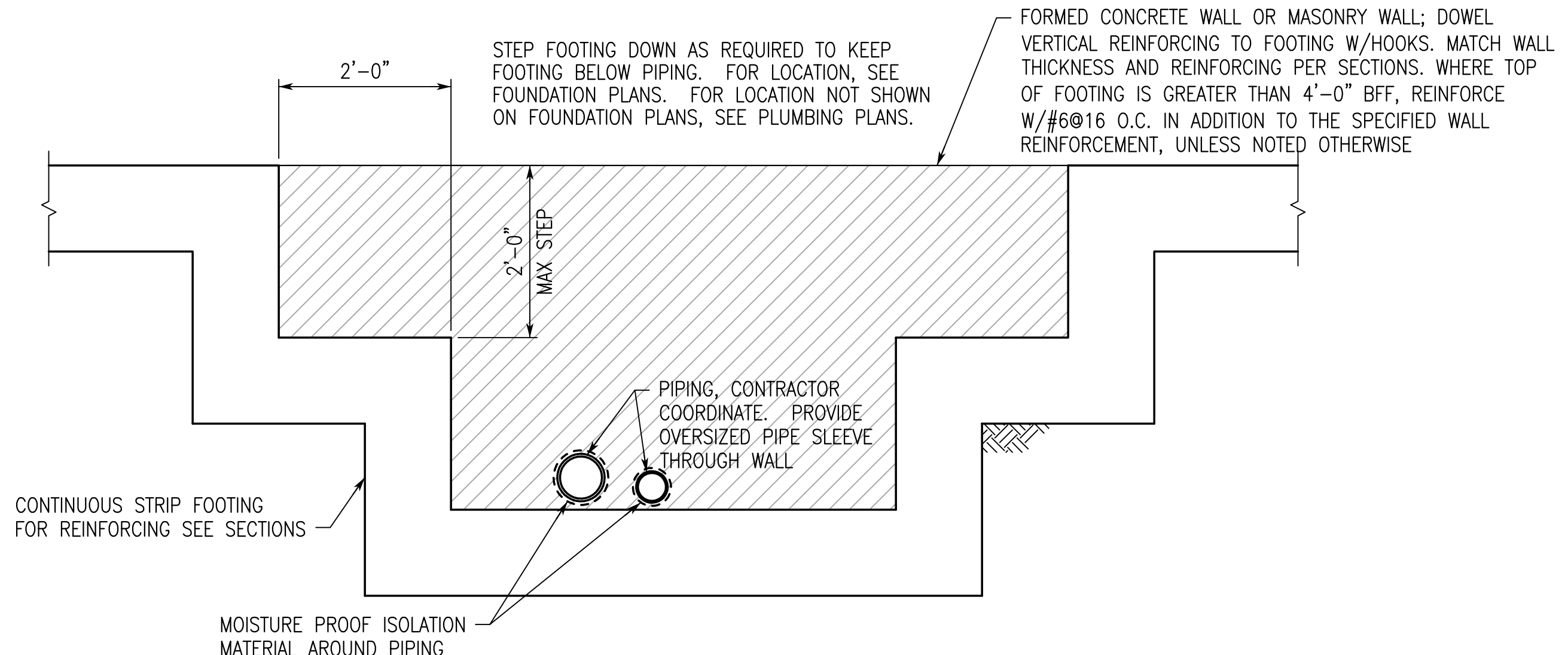
ROOM NO.	ROOM NAME	FLOOR	BASE	MILLWORK (FACE) TOP	WALLS NORTH	WALLS SOUTH	WALLS EAST	WALLS WEST	DOOR FRAME	NOTES
D100	GYM	MSC-1	RB-1		PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
D101	OFFICE	LVT-1	RB-1		PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
D102	RISER	SC	NO BASE		PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
D103	STORAGE	SC	RB-1		PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
D104	CUSTODIAN	ERF-1	ERB-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT IN ALL WET AREAS
D105	GIRLS	ERF-1	ERB-1		PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT IN ALL WET AREAS
D106	BOYS	ERF-1	ERB-1		PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT IN ALL WET AREAS
D107	ELECTRICAL	SC	NO BASE		PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	

BASE (RUBBER/CERAMIC/PORCELAIN/WOOD)				PLASTIC LAMINATE												
ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION	ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION									
RB-1	JOHNSONITE	COLOR TO BE DETERMINED BY RUBBER BASE	AS SCHEDULED	PL-1	FORMICA	COLOR: 548-54 SHERRY BROWN PEAR EXCESS/MATCH LAMINATE	COUNTERTOPS/CABINETS AND SINK BASE CABINETS									
ERB-1	TORIGNOL	COLOR: SW 7017 DORIAN GRAY MATCH ERF-1 INTERIOR BASE	AS SCHEDULED	PAINT/STAIN												
EPOXY RESIN				MODULAR SPORT COURT												
ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION	ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION									
PNT-1	SHERWIN WILLIAMS	COLOR: SW 7029 AGREEABLE GRAY	GENERAL WALLS EPOXY AT WET AREAS	MSC-1	SPORT COURT	COLOR: WOODGRAN (LIGHT)	GYMNASIUM (FIELD)									
ERF-1	TORIGNOL	COLOR: CUSTOM COLOR MATCH MAX 1/4" BROADCAST FLAKES	AS SCHEDULED	FINISH NOTES												
LUXURY VINYL TILE				FINISH ABBREVIATION LEGEND												
ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION	AF	AC	CC	CM	CPT	CH	CHT	ERB	ERF	ESD	GYP	IC	LVT
				AF	AC	CC	CM	CPT	CH	CHT	ERB	ERF	ESD	GYP	IC	LVT
				PL	PM	PNT	PT	PTB	QT	QTB	RB	RF	SC	SS	ST	TP
				PLASTIC LAMINATE	PANEL MOLDING	PANEL PAINT	PORCELAIN TILE	PORCELAIN TILE BASE	QUARRY TILE	QUARRY TILE BASE	RUBBER BASE	RUBBER FLOOR	SEALED CONCRETE	STAINED CONCRETE	SOLID SURFACE	TACKABLE
																TACABLE SURFACE
																VINYL COMP. TILE
																WOOD BASE
																WOOD FLOORING
																WOOD PANELING
																WOOD VENER



3 DETAIL NEWCOMB (VOLLEYBALL) POLE SLEEVE
SCALE: 1-1/2" = 1'-0"

4 TRANSITION DETAIL RUBBER FLOORING TO SPORT COURT
NOT TO SCALE



FOOTING/FOUNDATION WALL AT PIPING
TYPICAL

MASONRY REINFORCING LAP SPLICE LENGTHS

BAR SIZE (#)	CENTERED (IN.)	EDGE (IN.)
3	18.0	18.0
4	24.0	29.0
5	30.0	45.0
6	43.0	54.0
7	60.0	63.0
8	72.0	72.0
9	82.0	82.0

NOTES:
1. LAP SPLICE LENGTHS APPLY TO BOTH HORIZONTAL AND VERTICAL REINFORCING. REINFORCEMENT LARGER THAN NO. 9 BAR SHALL BE SPLICED USING MECHANICAL CONNECTIONS IN ACCORDANCE WITH ACI 530 & ACI 530.1.

LOAD BEARING STACK BOND MASONRY LINTEL SCHEDULE

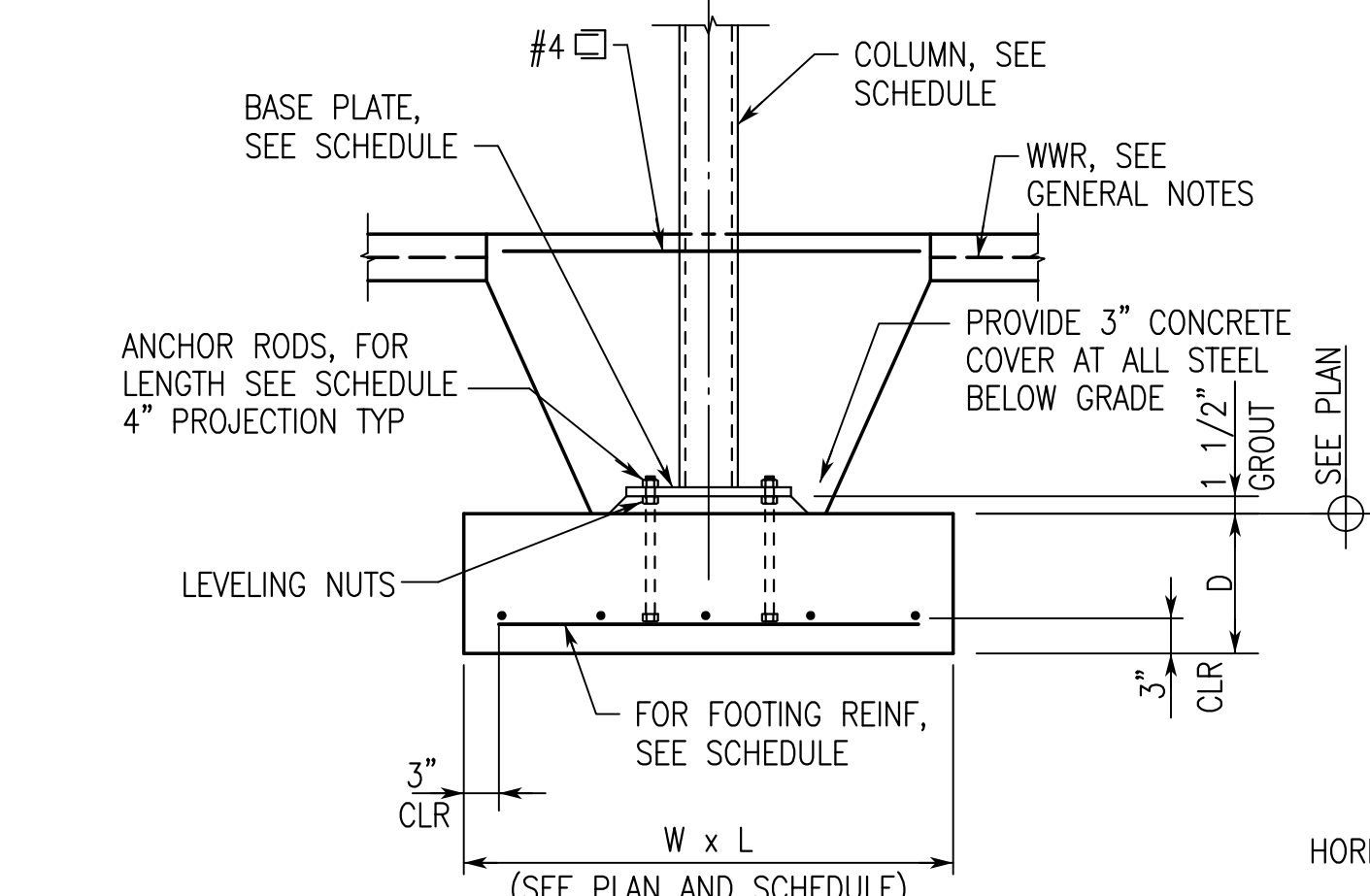
MAXIMUM OPENING WIDTH	LINTEL DIMENSIONS AND REINFORCING		
	DEPTH	8" WALL	12" WALL
4'-0"	24	2#5 BOT & 2#5 TOP	2#5 BOT & 2#5 TOP
6'-0"	32	2#5 BOT & 2#5 TOP	2#6 BOT & 2#6 TOP
8'-0"	32	2#6 BOT & 2#6 TOP	2#6 BOT & 2#6 TOP
10'-0"	48	2#6 BOT & 2#6 TOP	2#6 BOT & 2#6 TOP
12'-0"	48	2#6 BOT & 2#6 TOP	2#6 BOT & 2#6 TOP

1. PROVIDE 24" MINIMUM BEARING FOR ALL LITELS. FILL CELLS SOLID AT EACH SIDE OF OPENING AND REINFORCE WITH 1#5 BAR CONTINUOUS. (JAMB BARS OF SAME SIZE AS VERTICAL WALL REINFORCING BARS.)
2. SHORE LINTEL UNTIL MORTAR AND GROUT HAVE SET AND CURED.
3. PROVIDE 8" DEEP BOND BEAM REINFORCED WITH 2#5 CONT AT BOTTOM OF ALL OPENINGS. EXTEND 24" PAST OPENING ON EACH SIDE OF OPENING.

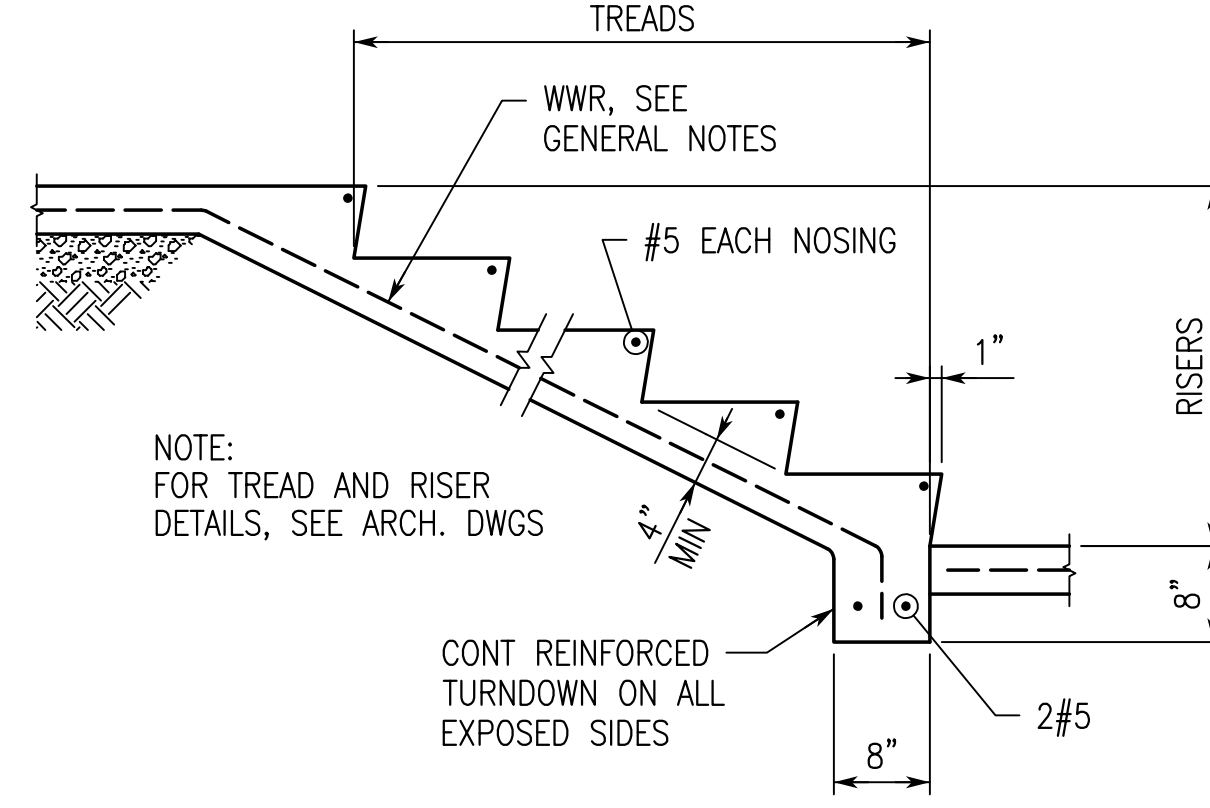
NON-LOAD BEARING STACK BOND MASONRY LINTEL SCHEDULE

MAXIMUM OPENING WIDTH	DEPTH	LINTEL DIMENSIONS AND REINFORCING			
		8" WALL		12" WALL	
		REINFORCING	MAX HEIGHT OF WALL ABOVE LINTEL	REINFORCING	MAX HEIGHT OF WALL ABOVE LINTEL
2'-0"	8	1#4 BOT	20'-0"	1#4 BOT	22'-0"
4'-0"	8	1#4 BOT	10'-0"	2#4 BOT	9'-4"
6'-0"	8	1#5 BOT & 1#4 TOP	4'-0"	2#5 BOT & 2#4 TOP	4'-8"
8'-0"	16	1#6 BOT & 1#5 TOP	15'-4"	2#5 BOT & 2#4 TOP	16'-0"
10'-0"	16	1#7 BOT & 1#5 TOP	10'-0"	2#6 BOT & 2#4 TOP	12'-0"
12'-0"	16	1#8 BOT & 1#5 TOP	7'-4"	2#7 BOT & 2#5 TOP	10'-8"

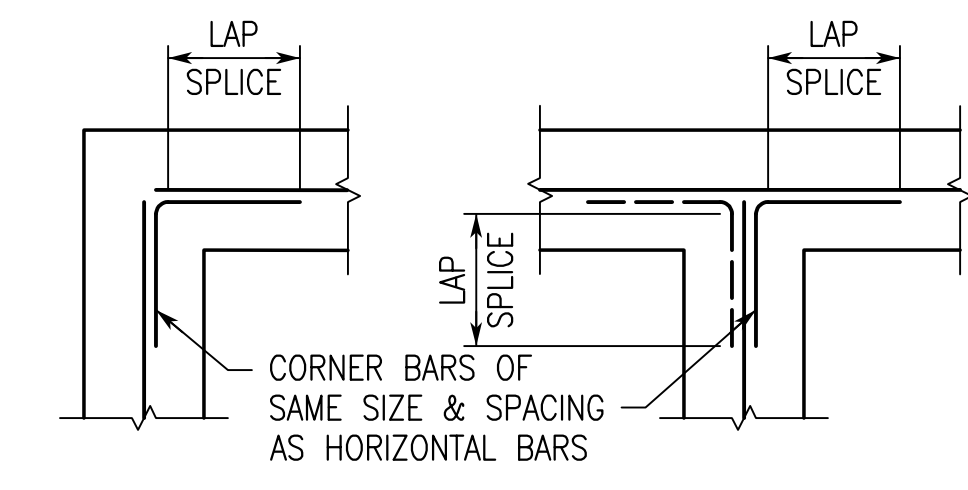
1. DO NOT USE THIS SCHEDULE IF WALL IS LOAD BEARING SUPPORTING ANYTHING OTHER THAN WALL WEIGHT ONLY. IF WALL IS LOAD BEARING USE THE LOAD BEARING STACK BOND MASONRY LINTEL SCHEDULE.
2. PROVIDE 2'-0" MINIMUM BEARING FOR ALL LITELS. FILL CELLS SOLID AT EACH SIDE OF OPENING AND REINFORCE WITH 1#5 BAR CONTINUOUS.
3. WHERE MAXIMUM HEIGHT OF WALL ABOVE LINTEL IS EXCEEDED, PROVIDE ADDITIONAL LITELS EQUALLY SPACED ABOVE TO LIMIT WALL HEIGHTS ABOVE LINTEL TO THAT SHOWN IN THE TABLE ABOVE.
4. SHORE LINTEL UNTIL MORTAR AND GROUT HAVE SET AND CURED.
5. PROVIDE 8" DEEP BOND BEAM REINFORCED WITH 2#4 CONT AT BOTTOM OF ALL OPENINGS. EXTEND 2'-0" PAST OPENING ON EACH SIDE OF OPENING.



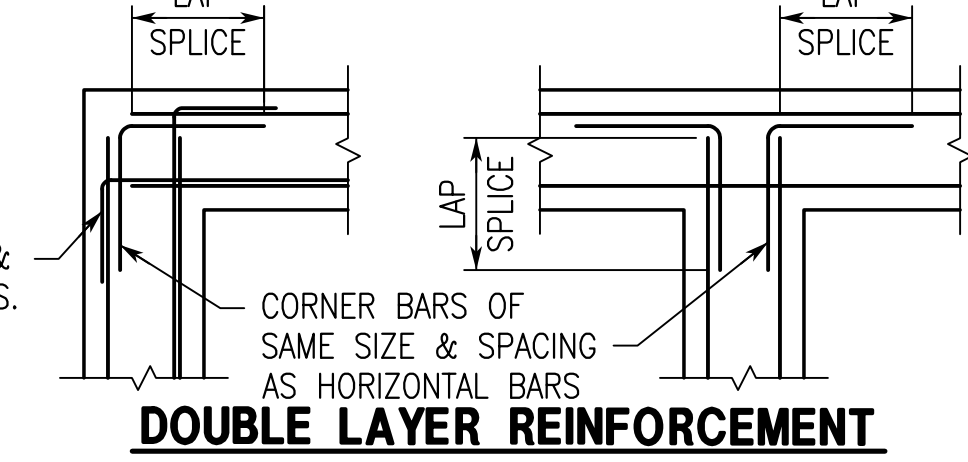
COLUMN BASE AND FOOTING DETAIL
TYPICAL



STAIR ON GRADE DETAIL
TYPICAL



SINGLE LAYER REINFORCEMENT

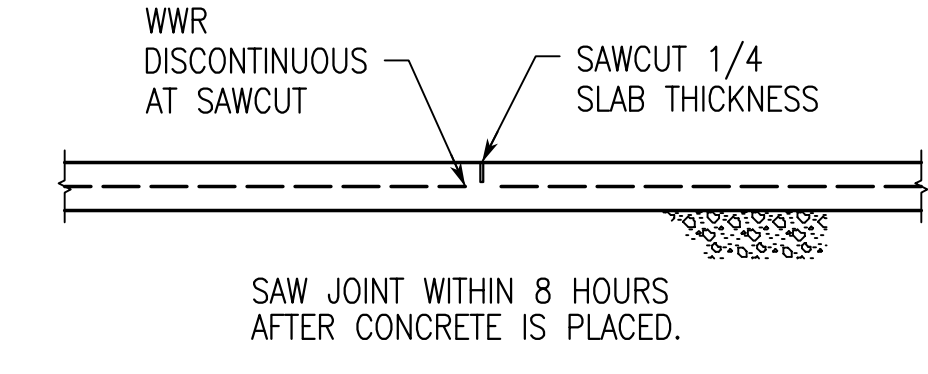


DOUBLE LAYER REINFORCEMENT

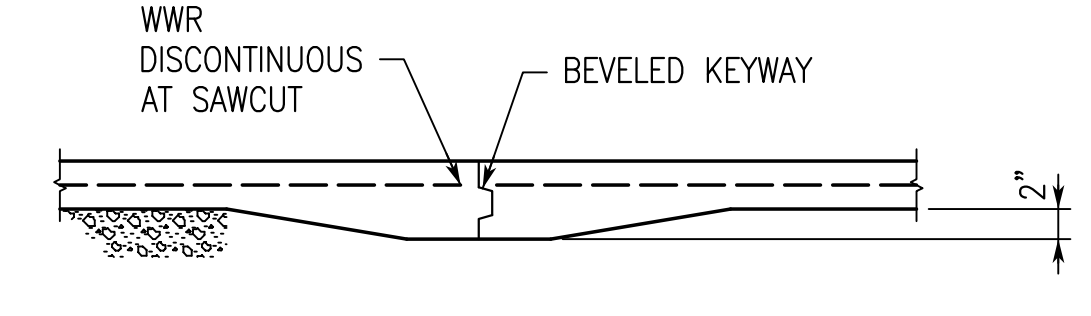
DOWEL BARS OF SAME SIZE & SPACING AS HORIZONTAL BARS. LAP 48 BAR DIAMETERS PAST INTERSECTION OF HORIZONTAL BARS

FOOTING, SLAB OR WALL CORNER REINFORCING DETAIL
TYPICAL

NOTE: ALL LAP SPLICES CLASS "B" TENSION



SAWED JOINT



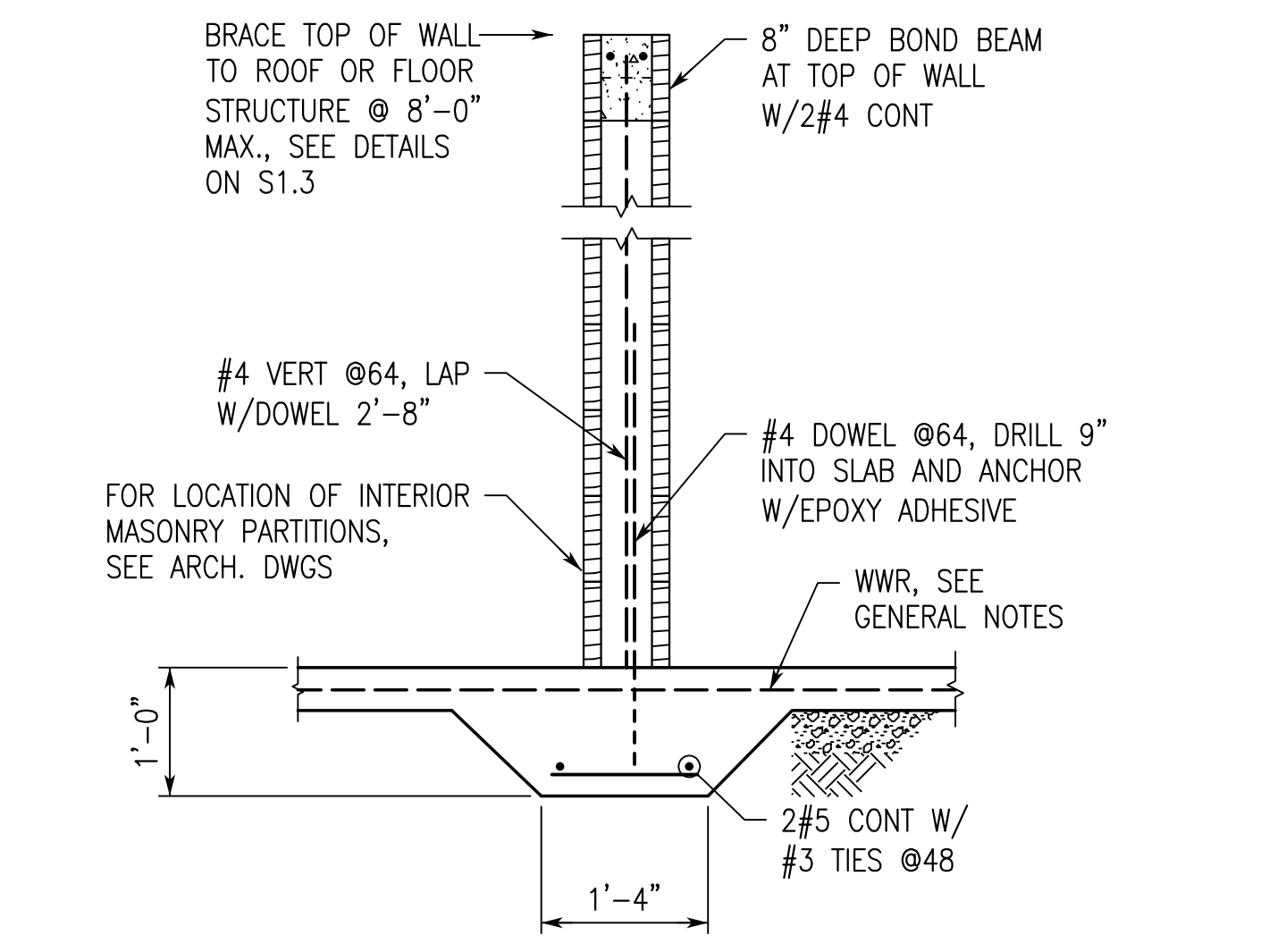
KEYED JOINT

SLAB CONTROL JOINT DETAILS
TYPICAL
JOINT TYPE IS OPTIONAL

VENEER LINTEL SCHEDULE

MAXIMUM OPENING WIDTH	STEEL FOR EACH 4" OF WALL THICKNESS
2'-0"	L5x5x3/8 MINIMUM
4'-0"	L5x5x3/8 MINIMUM
6'-0"	L5x5x3/8 MINIMUM
8'-0"	L5x5x3/8 MINIMUM
LARGER	CONTACT ENGINEER

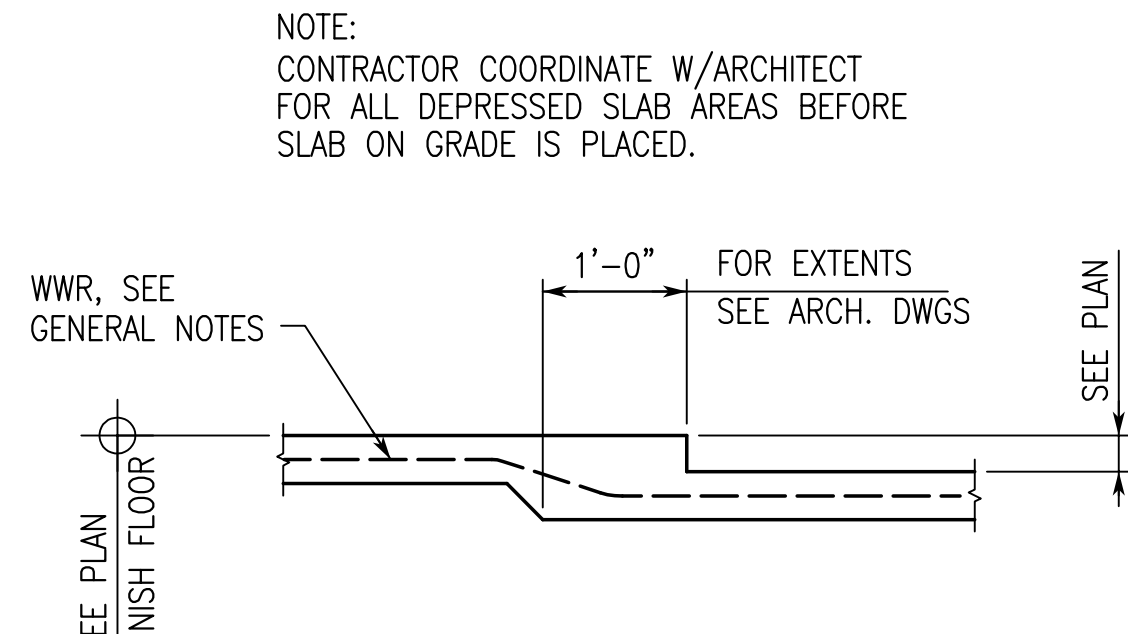
1. PROVIDE 8" MINIMUM BEARING FOR ALL LITELS.
2. ALL EXPOSED LINTEL ANGLES TO BE HOT DIP GALVANIZED.
3. CONTRACTOR TO COORDINATE DIMENSION OF OUTSTANDING LEG WITH MINIMUM VENEER SUPPORT REQUIREMENT(S) AND WITH DETAILS INDICATED ON ARCH. DWGS.



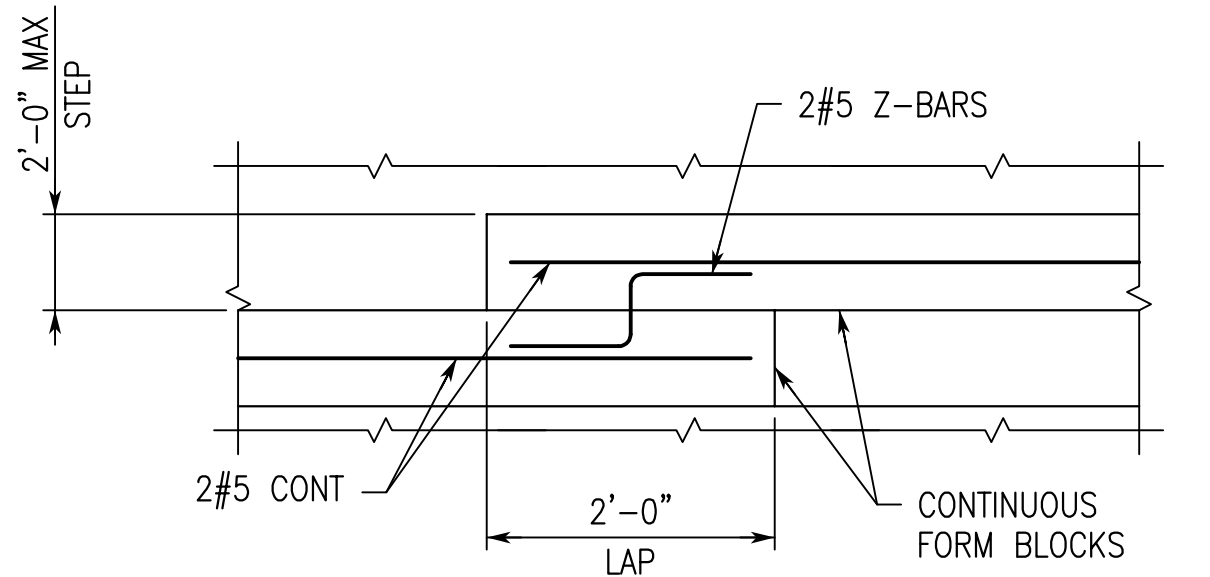
INTERIOR PARTITION WALL ON THICKENED SLAB ON GRADE DETAIL
TYPICAL

WALL STEEL TIE-SPREADER DETAIL
TYPICAL

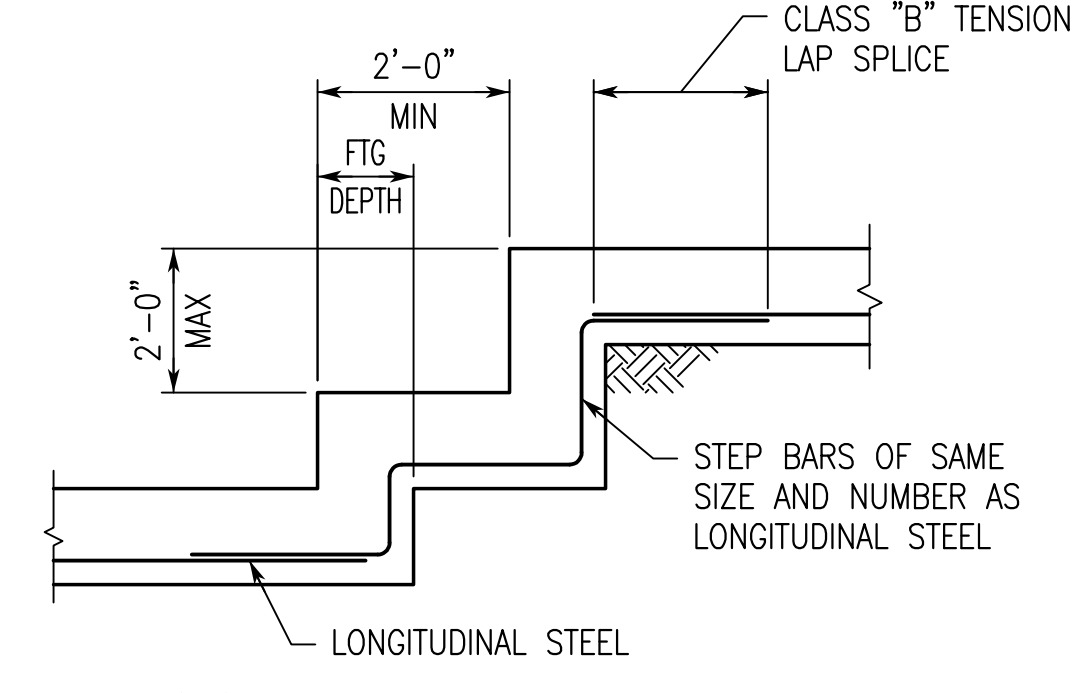
NOTE: CONTRACTOR COORDINATE W/ARCHITECT FOR ALL DEPRESSED SLAB AREAS BEFORE SLAB ON GRADE IS PLACED.



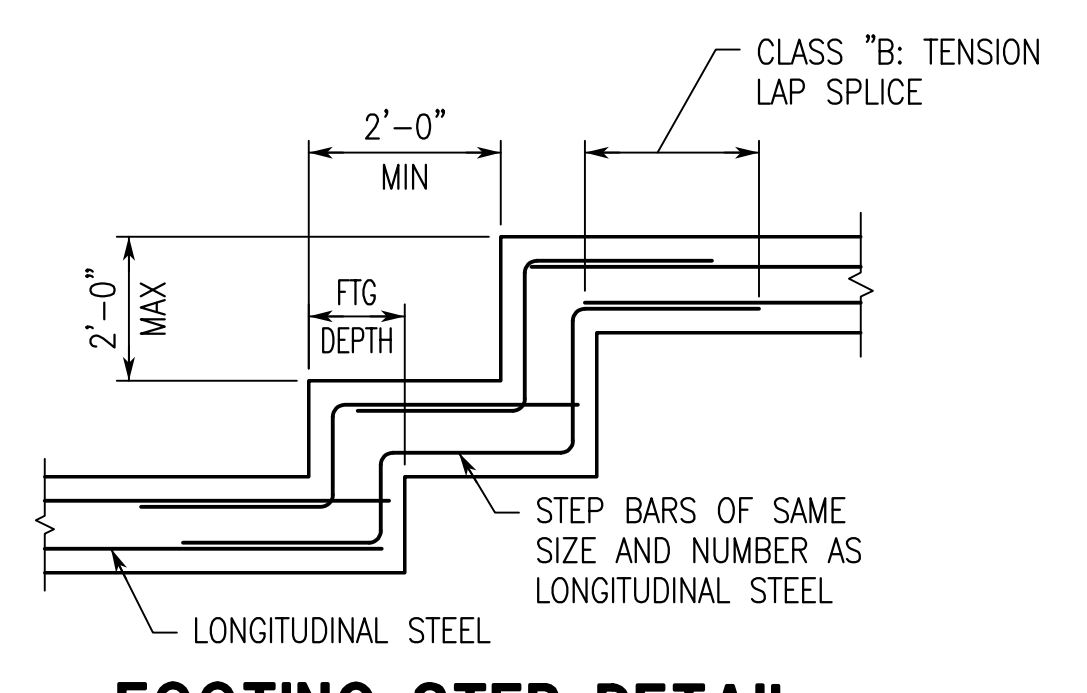
DEPRESSED SLAB ON GRADE DETAIL
TYPICAL



MASONRY BOND BEAM STEP DETAIL
TYPICAL

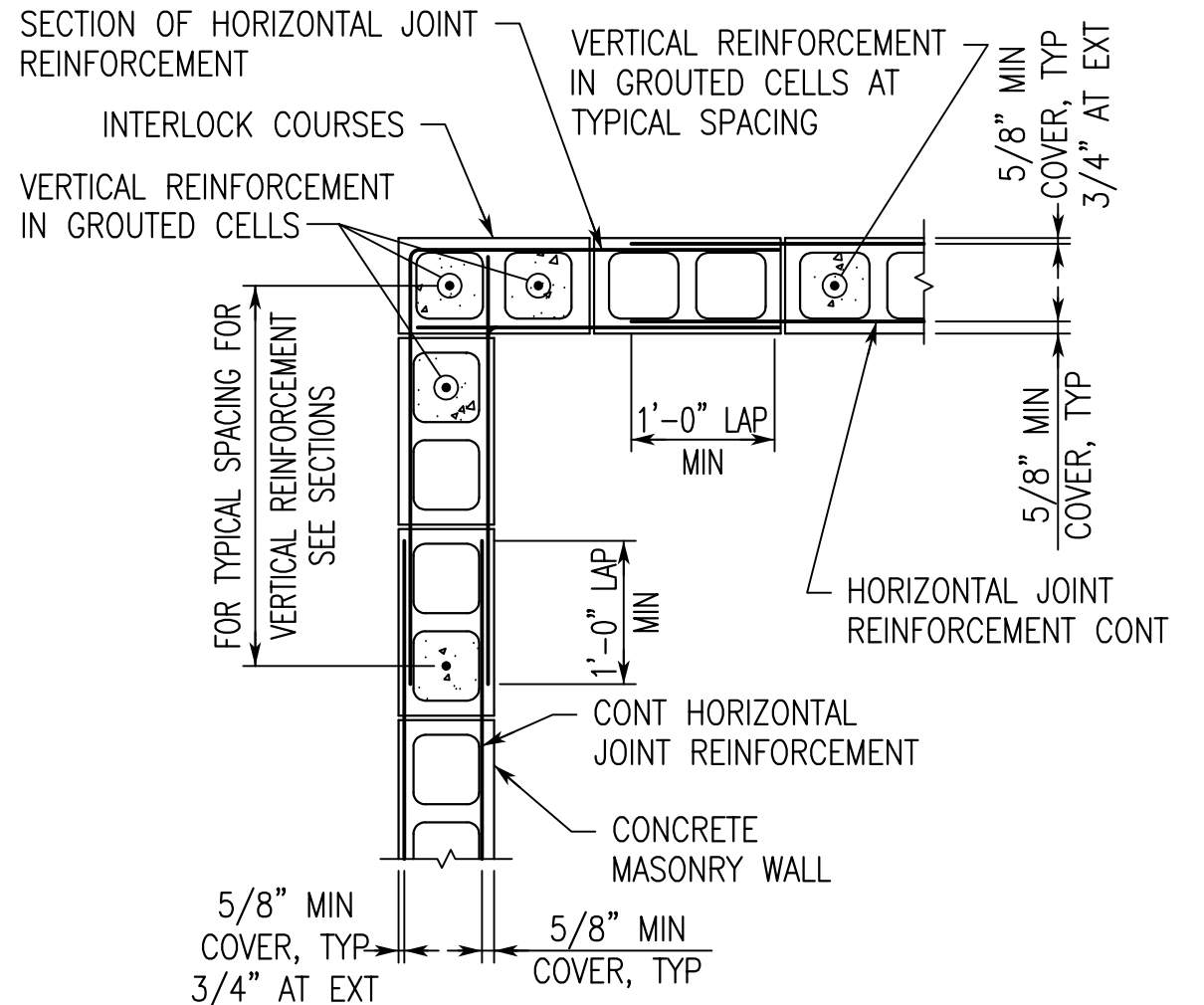


FOOTING STEP DETAIL
TYPICAL

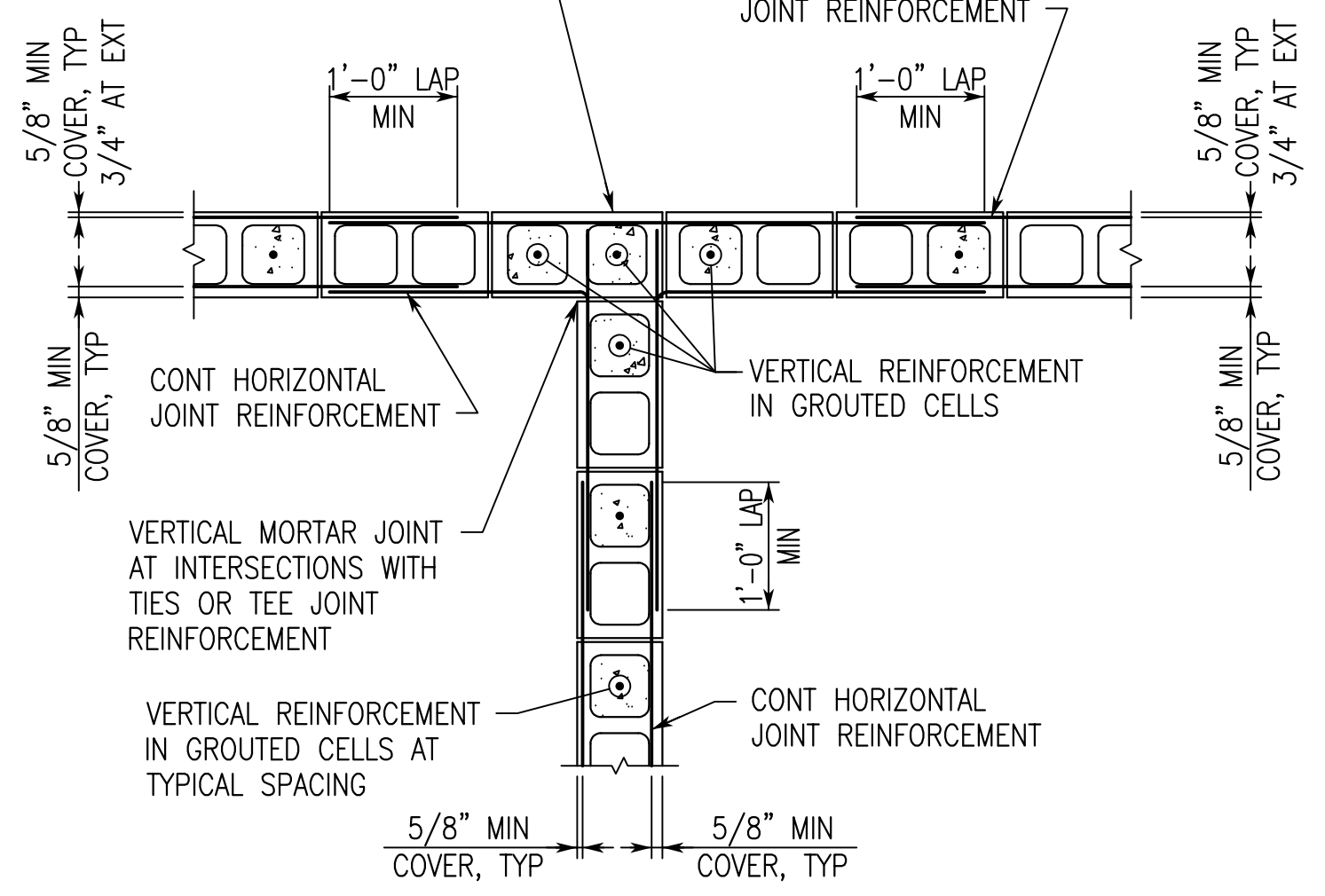


FOOTING STEP DETAIL
TYPICAL

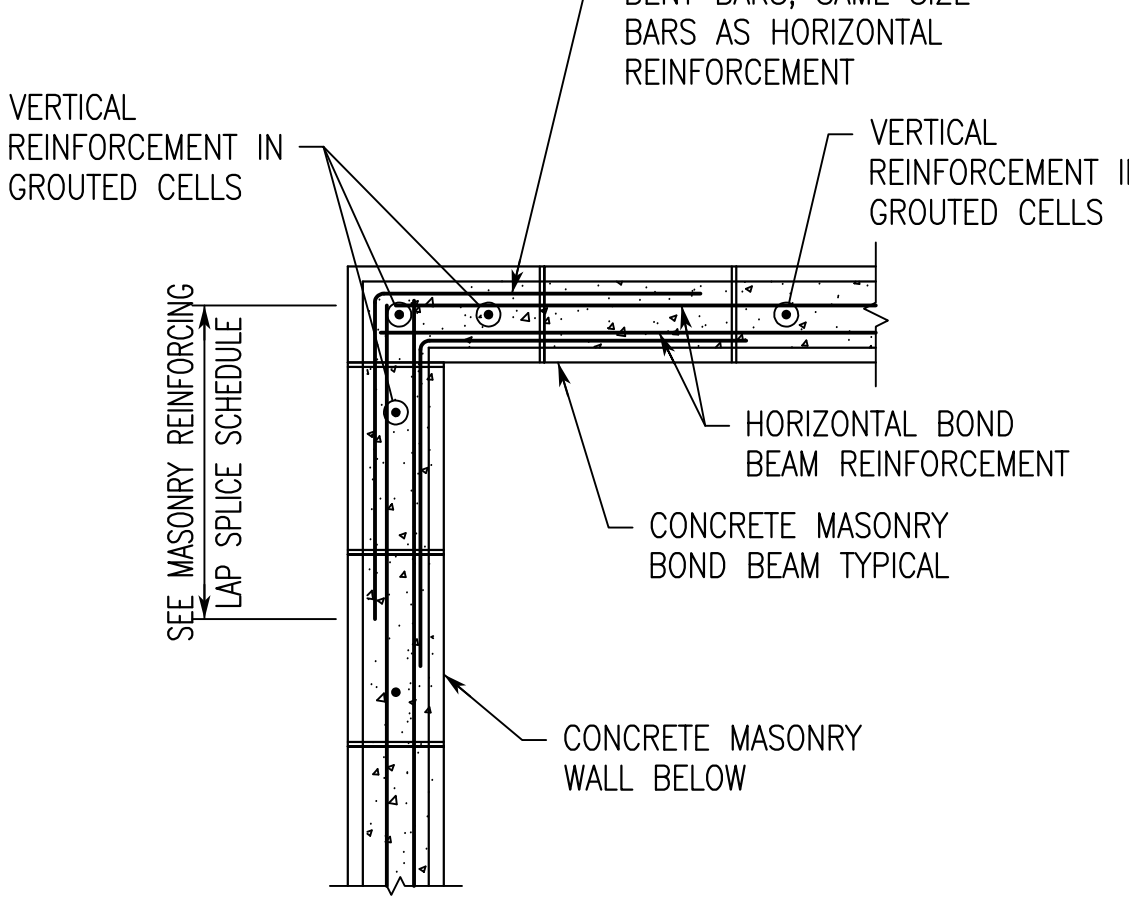
ANCHOR WALLS BY:
1. INTERSECTING 50% OF UNITS OVERLAPPING WITH ALTERNATE UNITS BEARING 3" MINIMUM ON THE UNIT BELOW.
2. GALV PL 1/4x1 1/2x2'-4" TIE @ 4'-0" OC WITH ENDS BENT 2", ALTERNATING ENDS UP AND DOWN.
3. FACTORY FABRICATED TEE JOINT REINFORCING SPACED 8" OC AND EXTENDING 30" MINIMUM IN EACH DIRECTION AT THE INTERSECTION.



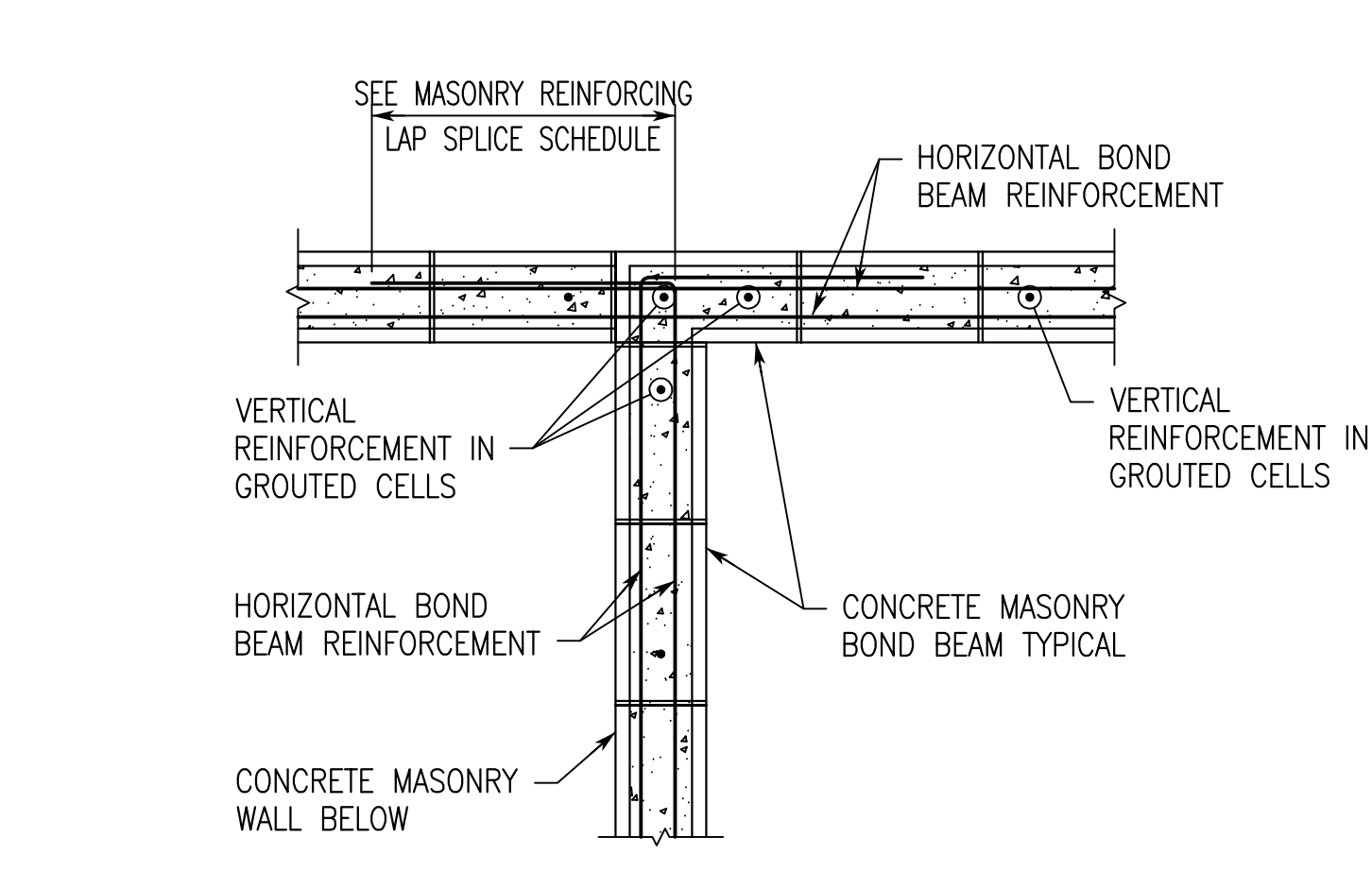
PLAN SHOWING JOINT REINFORCEMENT AT WALL CORNER
TYPICAL



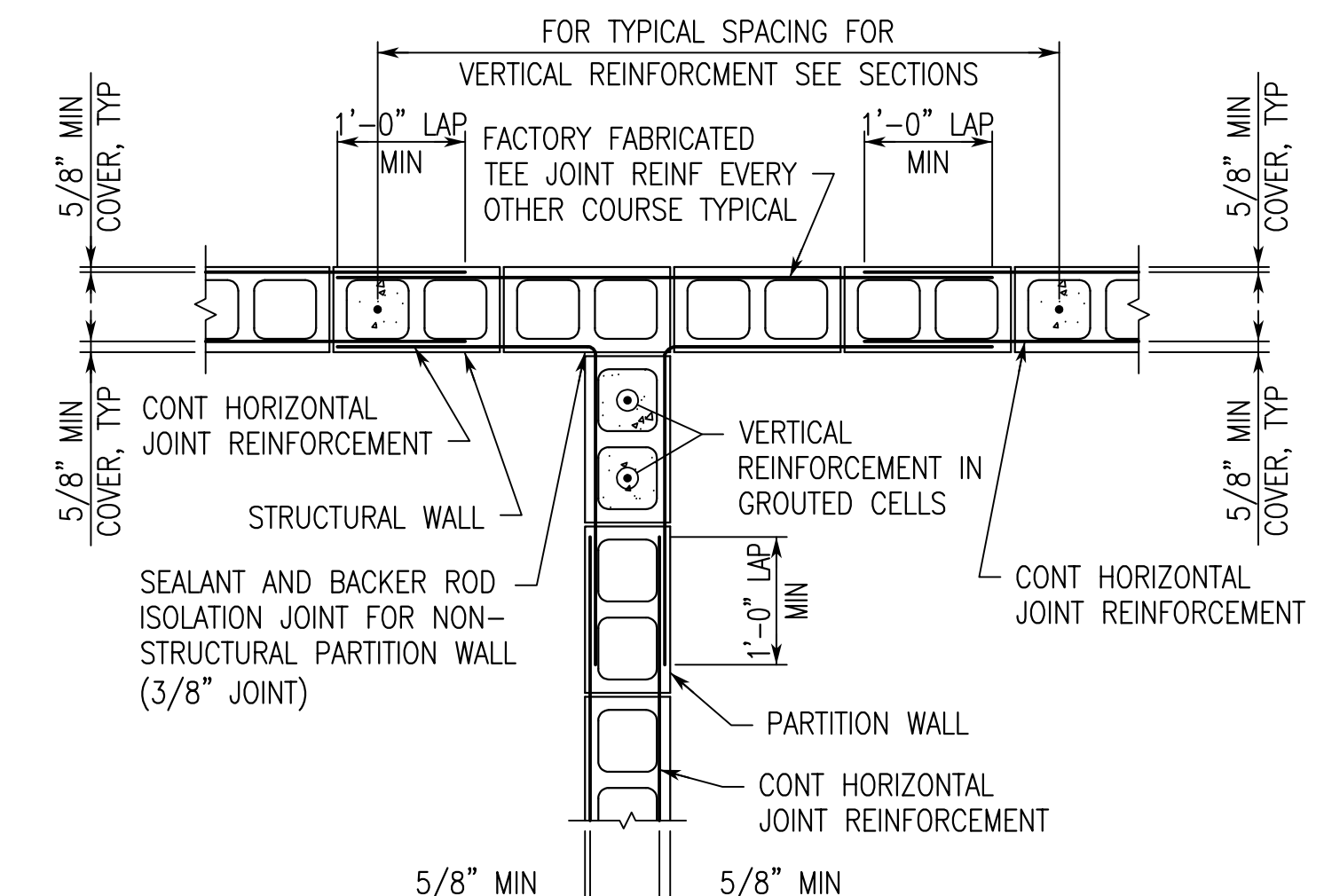
PLAN SHOWING JOINT REINFORCEMENT AT STRUCTURAL WALL INTERSECTION
TYPICAL



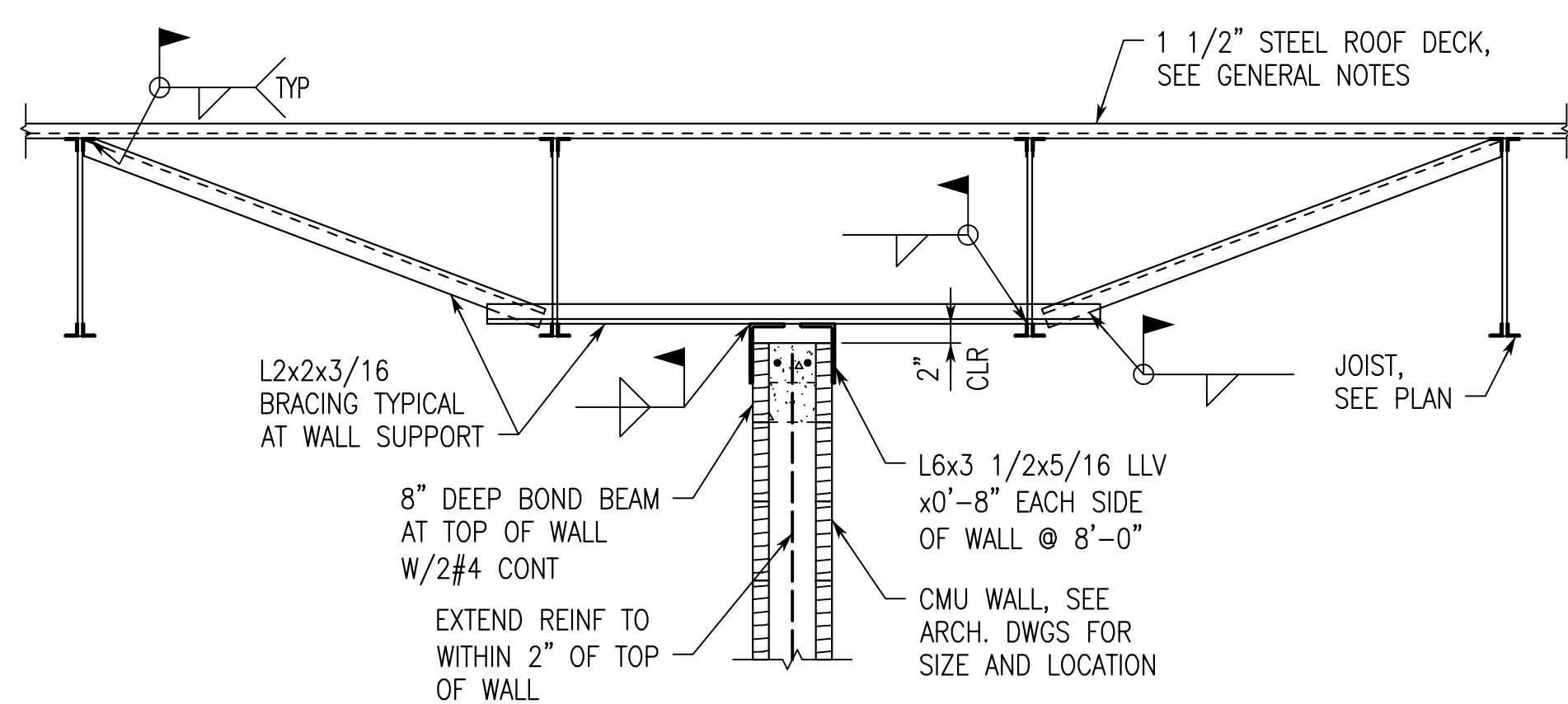
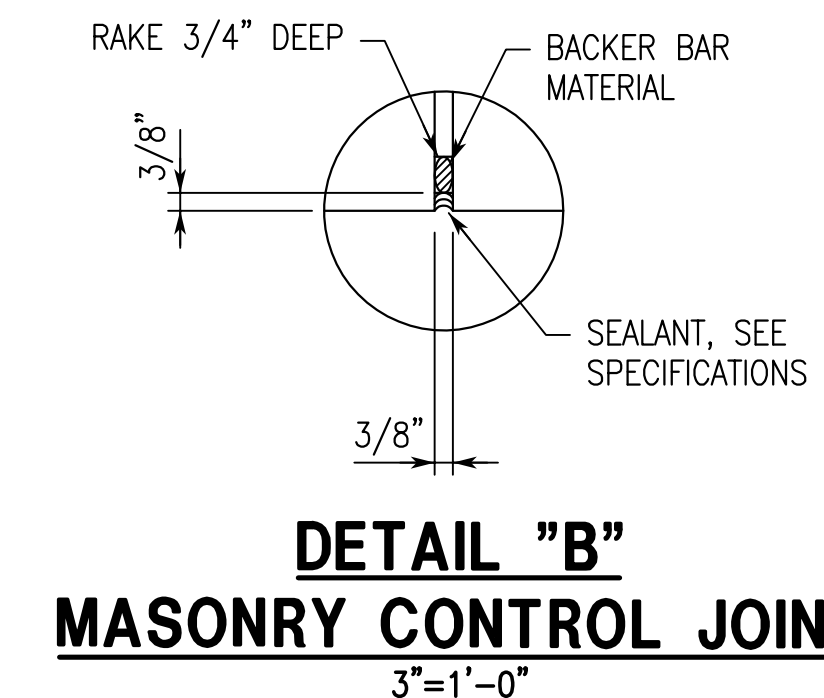
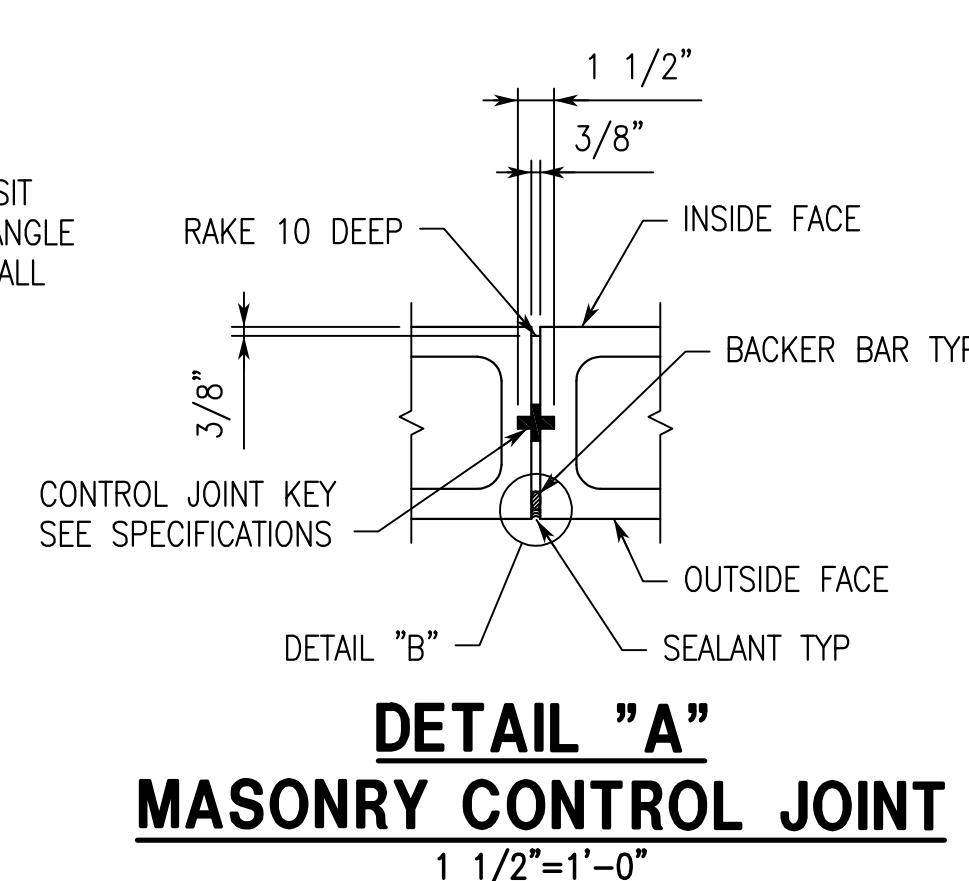
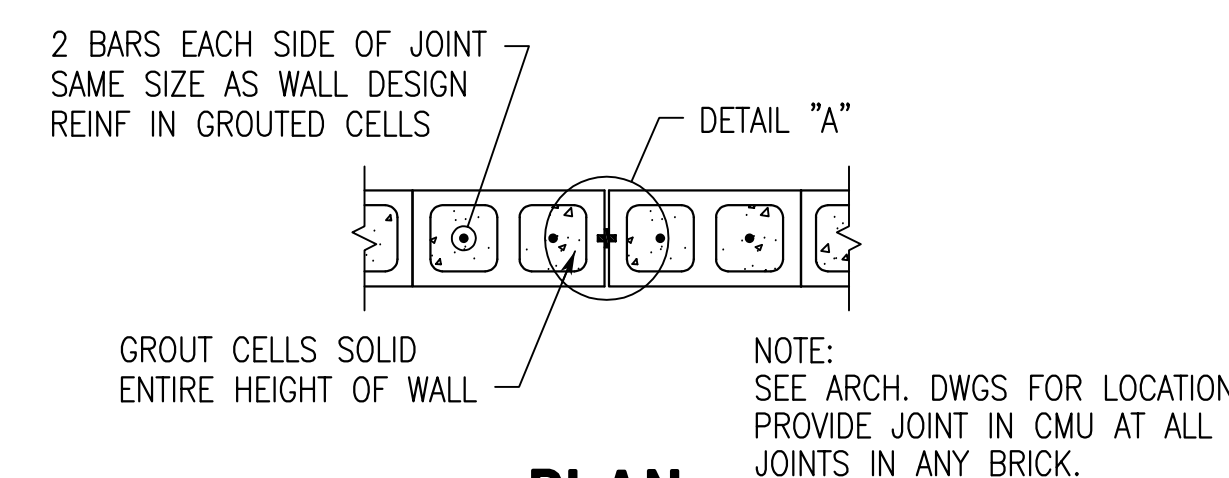
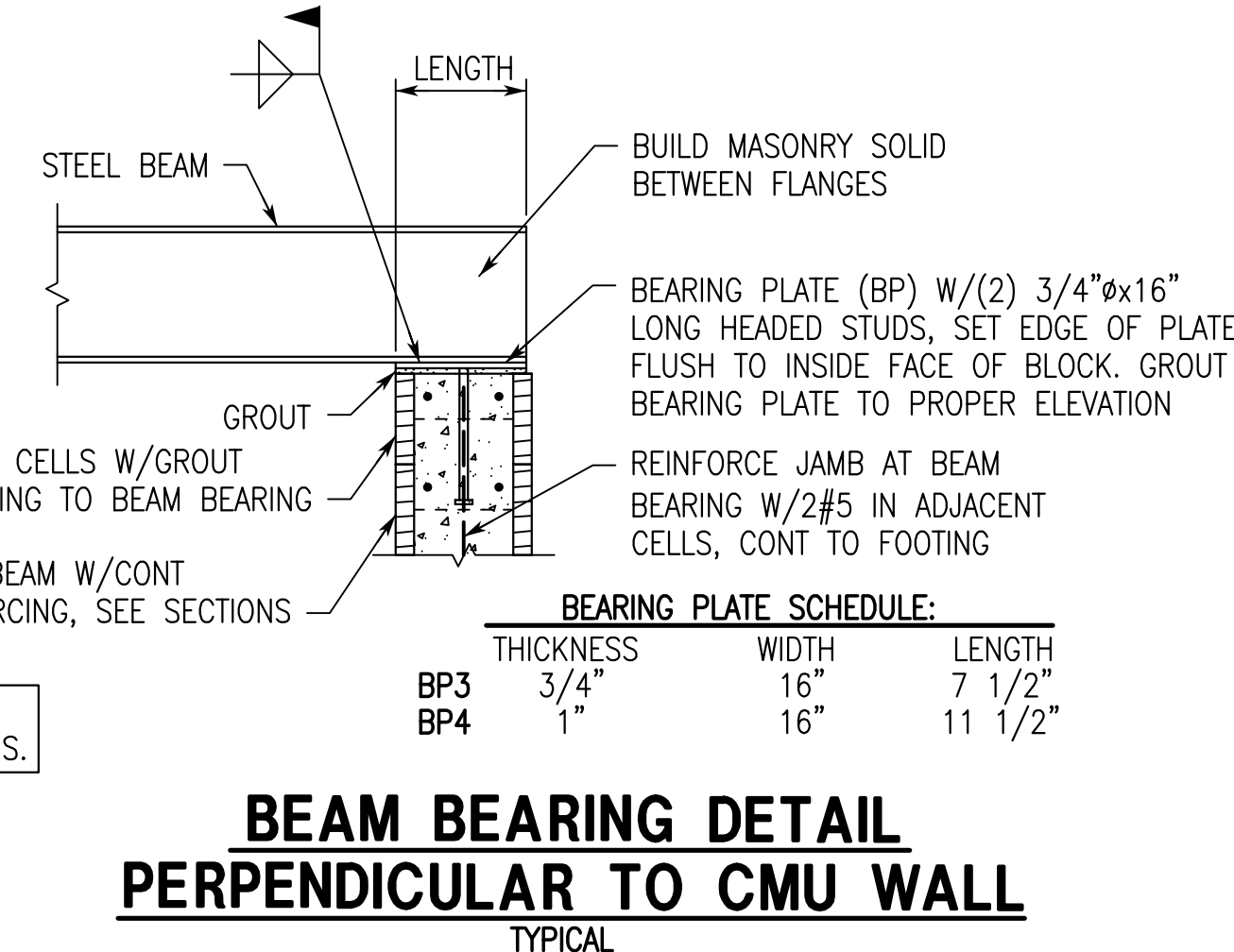
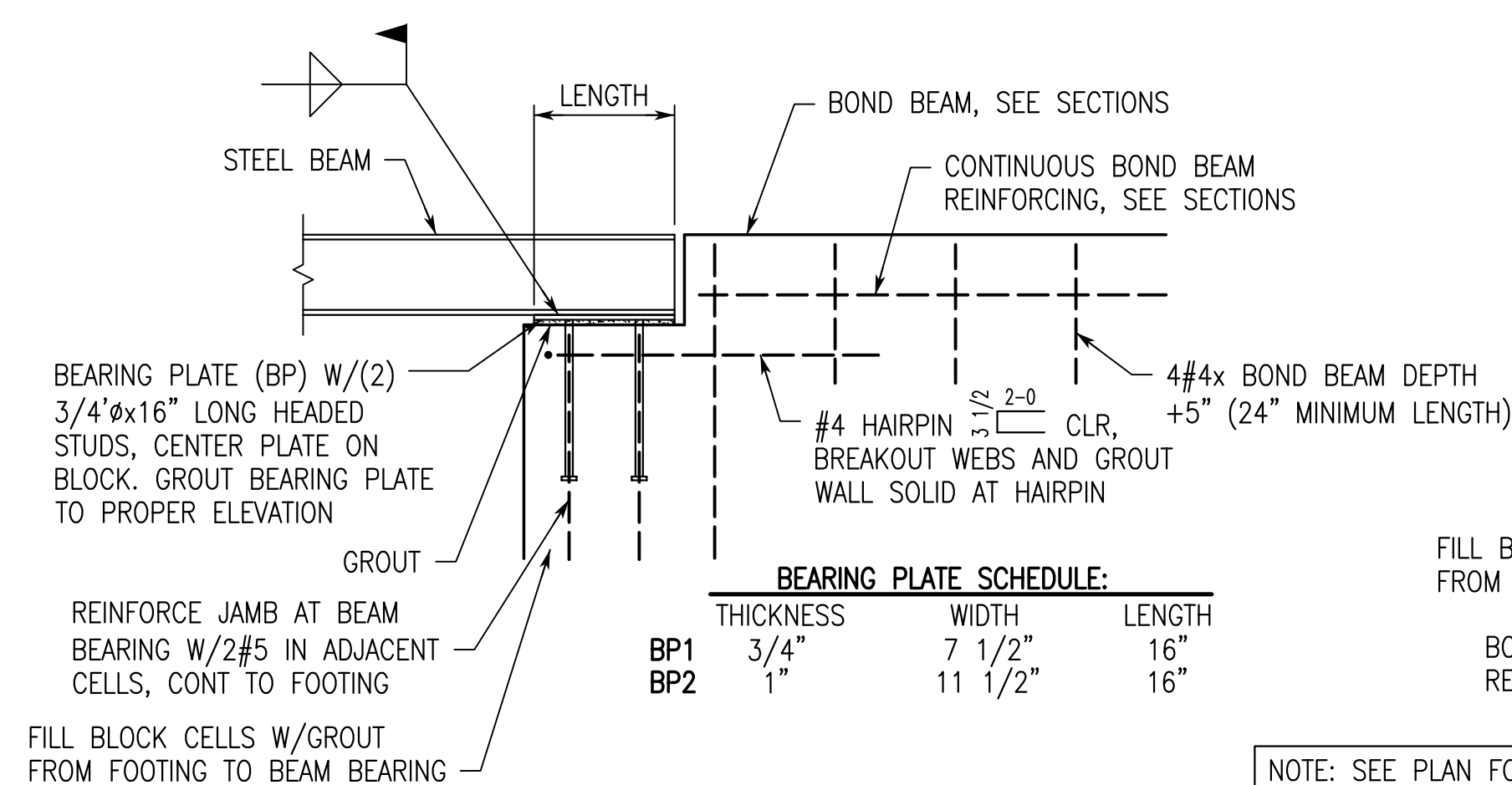
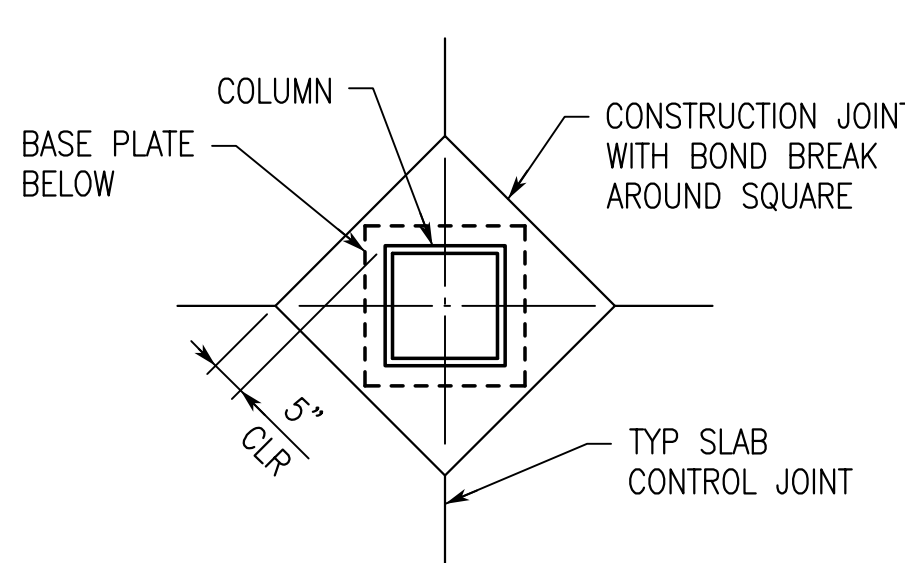
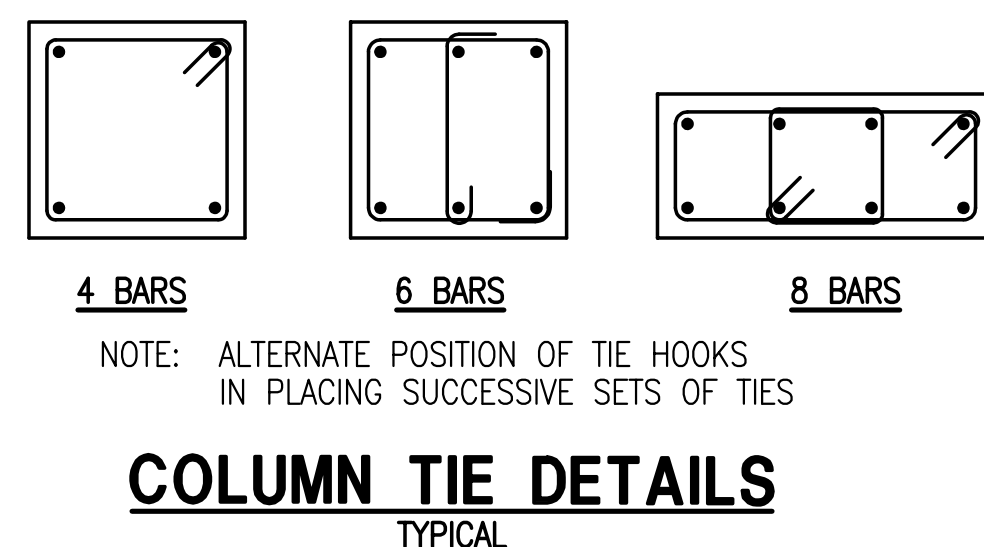
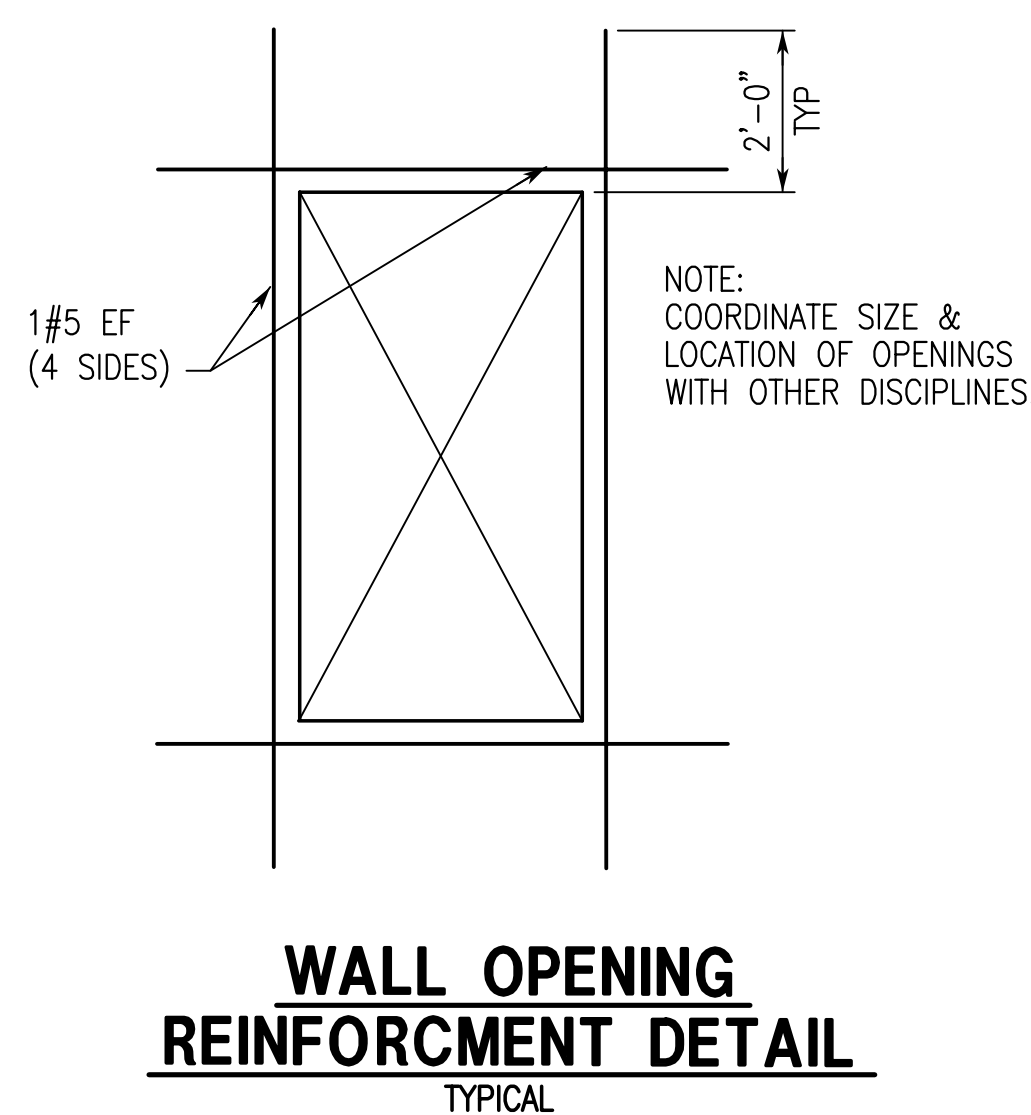
PLAN SHOWING BOND BEAM REINFORCEMENT AT WALL CORNER
TYPICAL



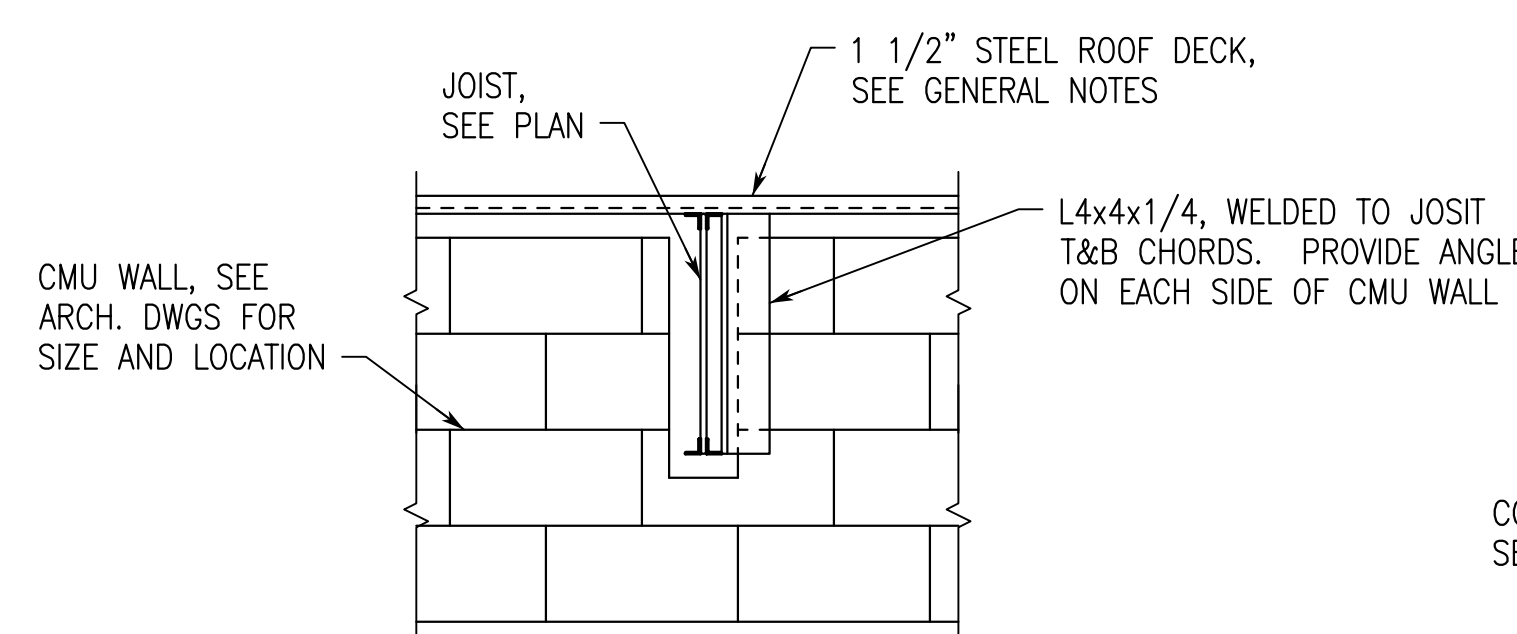
PLAN SHOWING BOND BEAM REINFORCEMENT AT STRUCTURAL WALL INTERSECTION
TYPICAL



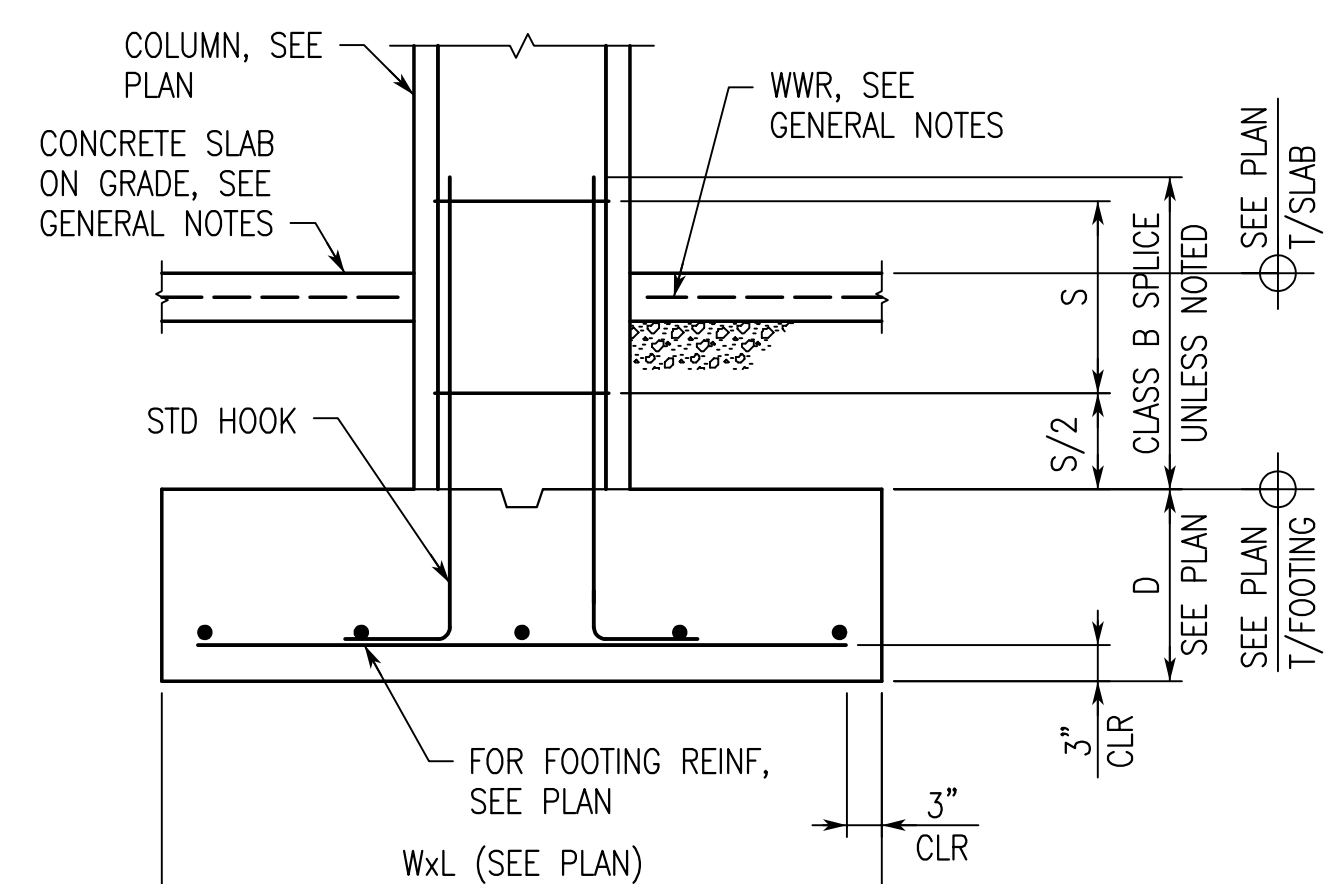
PARTITION WALLS ABUTTING STRUCTURAL WALLS
TYPICAL



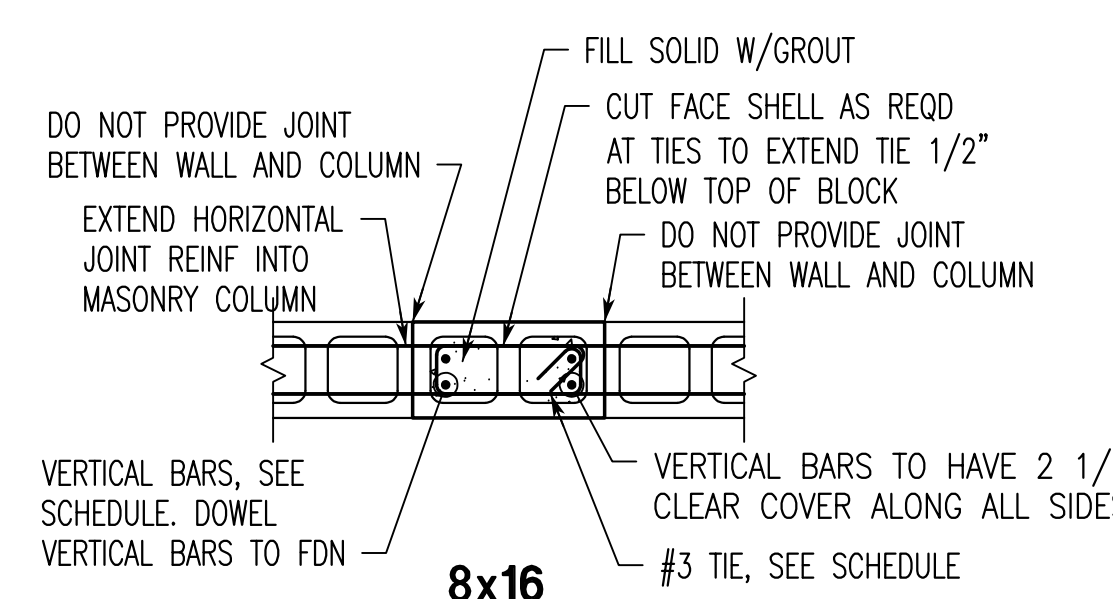
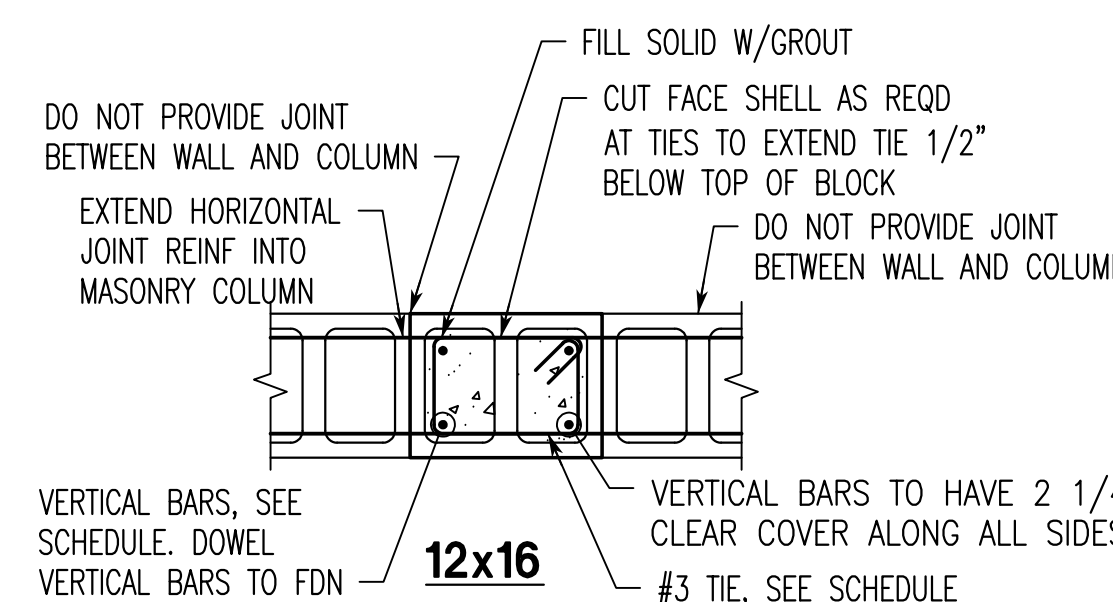
CMU WALL SUPPORT DETAIL (WALL BETWEEN PARALLEL JOISTS)
INTERIOR MASONRY WALL BRACING DETAILS
PROVIDE WALL SUPPORT EACH SIDE OF WALL @ 8'-0". PROVIDE WALL SUPPORT WHERE CONTINUOUS WALL SPAN BETWEEN PERPENDICULAR WALL EXCEEDS 20'-0", UNLESS NOTED.



CMU WALL SUPPORT DETAIL (WALL PERPENDICULAR TO JOIST)
INTERIOR MASONRY WALL BRACING DETAILS
PROVIDE WALL SUPPORTS AT EVERY JOIST WHERE CONTINUOUS WALL SPAN BETWEEN PERPENDICULAR WALLS EXCEEDS 20'-0", UNLESS NOTED.



COLUMN BASE AND FOOTING DETAIL
TYPICAL



MASONRY COLUMN (MC)
TYPICAL

BAR SIZE	f _c = 3000 PSI				f _c = 4000 PSI			
	TOP BARS		OTHER BARS		TOP BARS		OTHER BARS	
	A	B	A	B	A	B	A	B
#3	22"	28"	17"	22"	19"	24"	15"	19"
#4	29"	37"	22"	29"	25"	32"	19"	25"
#5	36"	47"	28"	36"	31"	40"	24"	31"
#6	43"	56"	33"	43"	37"	48"	29"	37"
#7	63"	81"	48"	63"	54"	70"	42"	54"
#8	72"	93"	55"	72"	62"	80"	48"	62"
#9	81"	105"	62"	81"	70"	91"	54"	70"
#10	91"	118"	70"	91"	79"	102"	61"	79"
#11	101"	131"	78"	101"	87"	113"	67"	87"

- NOTES:
- TOP BARS ARE HORIZONTAL REINFORCEMENT WITH MORE THAN 12" OF CONCRETE CAST BELOW THE REINFORCEMENT.
 - FOR TENSION LAP SPLICE LENGTHS FOR 3500 PSI CONCRETE, USE LENGTHS DESIGNATED FOR 3000 PSI CONCRETE.

PIPE DIAMETER	PIPE WT PER/FOOT (PLF)	FLUID WT PER/FOOT (PLF)	INSULATION & HANGERS (PLF)	TOTAL WT PER/FOOT (PLF)
4"	10.80	6.10	2.00	18.90
6"	19.00	13.80	3.00	35.80
8"	28.60	23.90	4.00	56.50
10"	40.50	37.50	4.00	82.00
12"	49.60	54.00	5.00	108.60
14"	54.60	65.70	5.00	125.30
16"	62.60	87.10	5.00	154.70

- NOTES:
- FROM ANVIL INTERNATIONAL PIPE FITTERS HANDBOOK.
 - ALL PIPES ASSUMED TO BE SCHEDULE 40.
 - FLUID WEIGHT INCLUDES ALLOWANCE FOR GLYCOL CONCENTRATION.
 - PIPING SUPPORT AND THRUST BRACING REQUIREMENTS SHALL BE COORDINATED BY THE GENERAL CONTRACTOR WITH THE STEEL/JOIST FABRICATOR. SEE MECHANICAL/PLUMBING DRAWINGS FOR PIPING SUPPORT AND THRUST BRACING REQUIREMENTS.
 - FOR PIPE SIZES NOT LISTED, CONTACT STRUCTURAL ENGINEER.

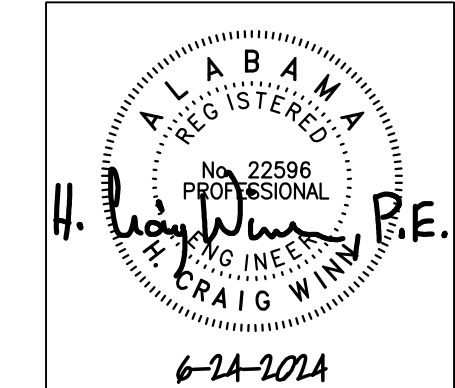
MASONRY COLUMN SCHEDULE (MC)		
COLUMN DESIGNATION	MC1	
SIZE	8x16	
VERTICALS	4#5	
TIES	#3@8	
NOTES	1,2,3,4	

- NOTES:
- SEE COLUMN TIE DETAIL ON THIS SHEET.
 - DOWEL VERTICAL STEEL INTO FOOTING THE THICKNESS OF THE FOOTING MINUS 3" WITH STANDARD HOOK. LAP DOWELS WITH VERTICALS 72 BAR DIA.
 - EXTEND VERTICALS FULL HEIGHT OF WALL, UNLESS NOTED.
 - PROVIDE FIRST TIE ABOVE FOOTING AT 4" AND FIRST TIE BELOW SLAB/TRUSS/ROOF BEARING AT 4" AND SPACE REMAINING TIES AT SPECIFIED SPACING.

FOOTING SCHEDULE		
FOOTING DESIGNATION	F3.0	
SIZE (LxW)	3'-0"x3'-0"	
DEPTH (D)	1'-0"	
REINFW (BOT)	4#5	
NOTES		

- NOTES:
- PROVIDE SCHEDULED REINFORCEMENT ON TOP AND BOTTOM OF FOOTING.

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13876 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION



SHEET TITLE:
TYPICAL DETAILS

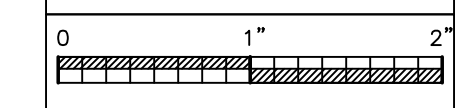
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DRAWN: ABS
DATE: 6/24/2024
REVISIONS:

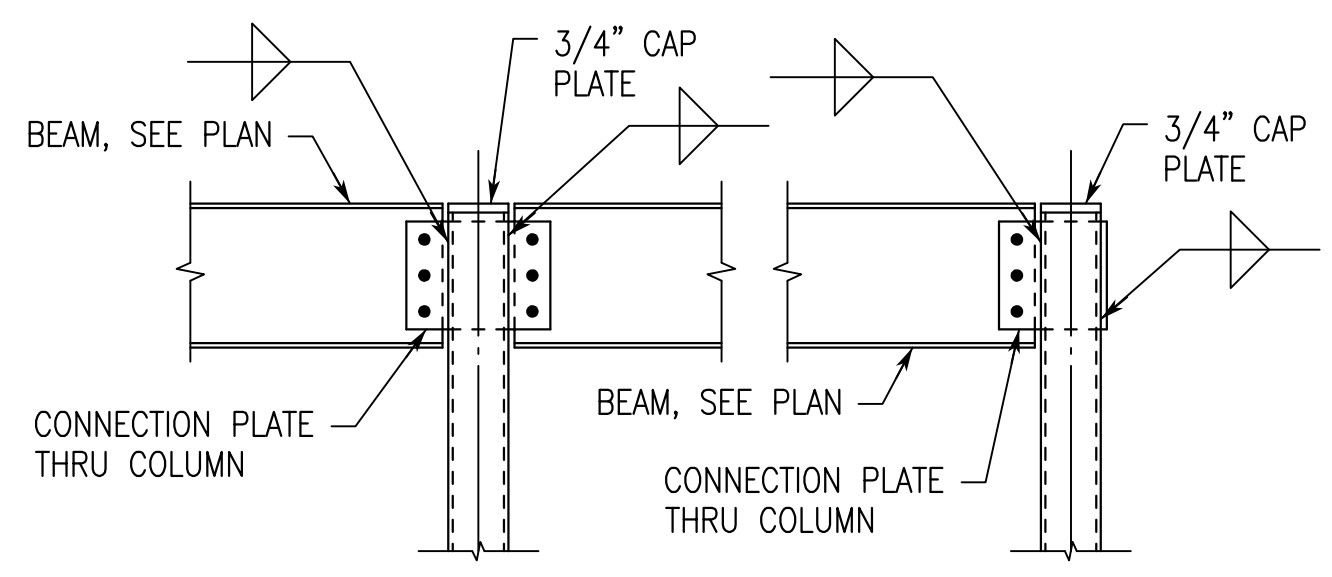
JOB NO. 24-38

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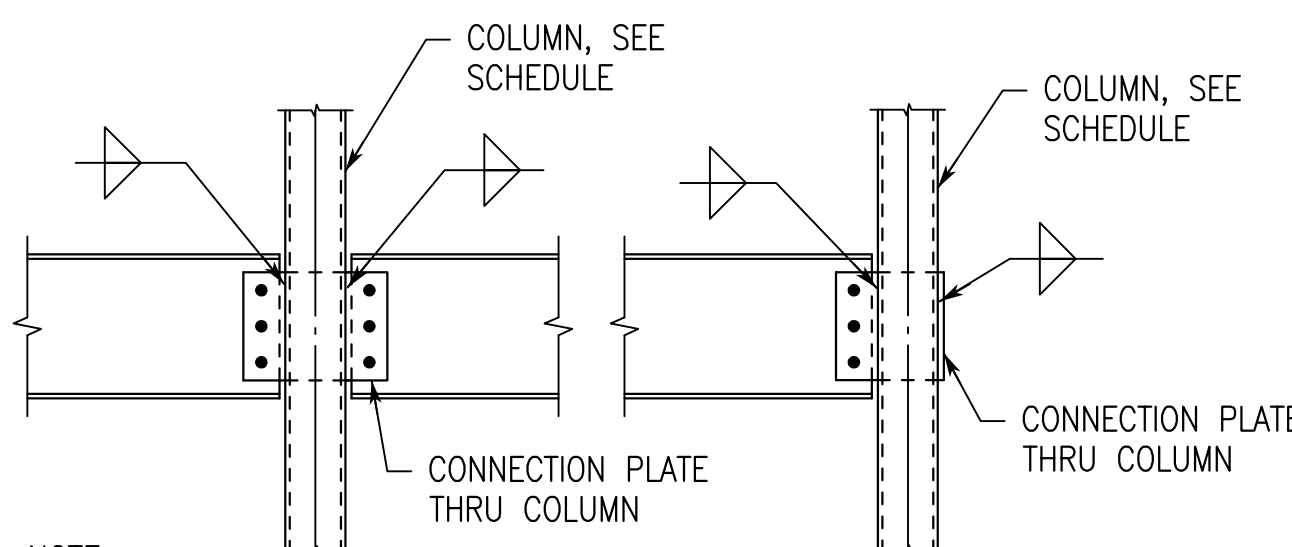
S1.3

4 OF 16

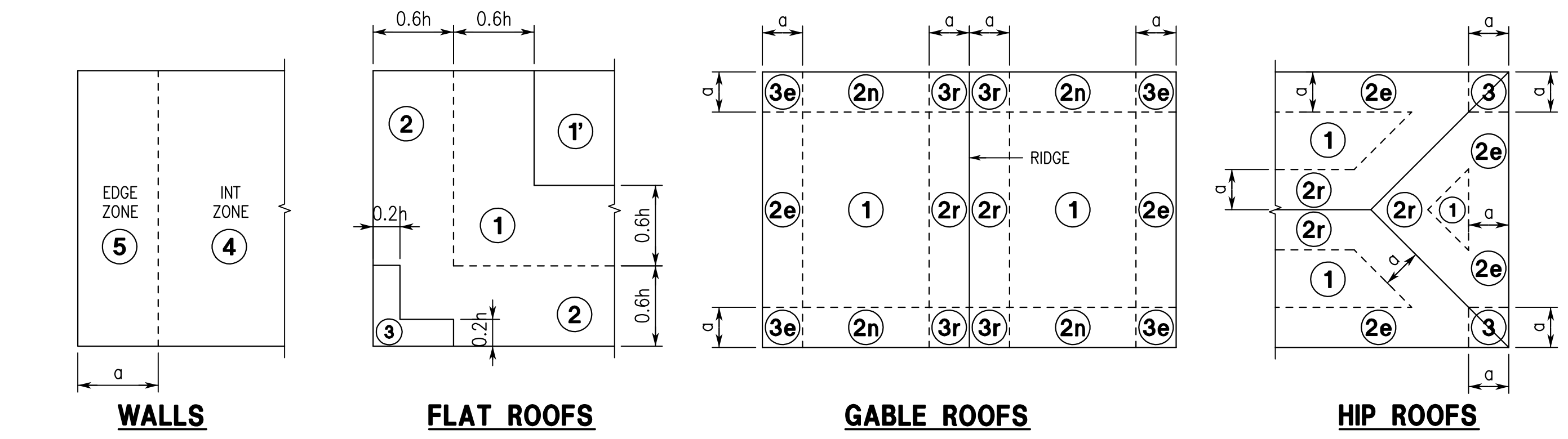




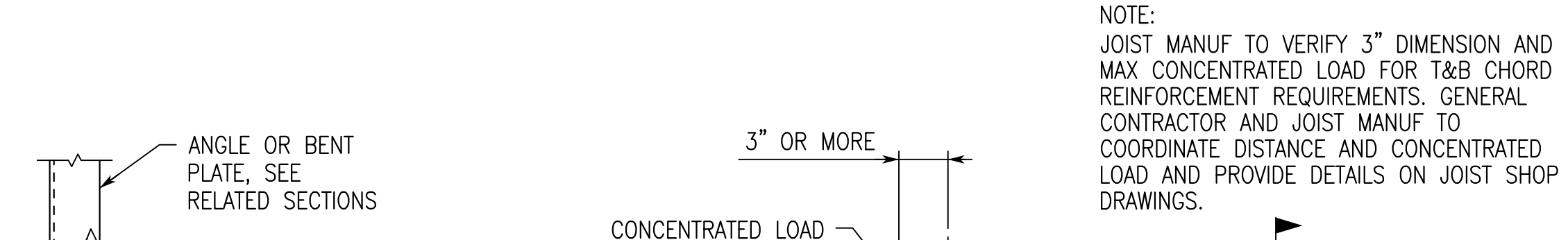
ROOF



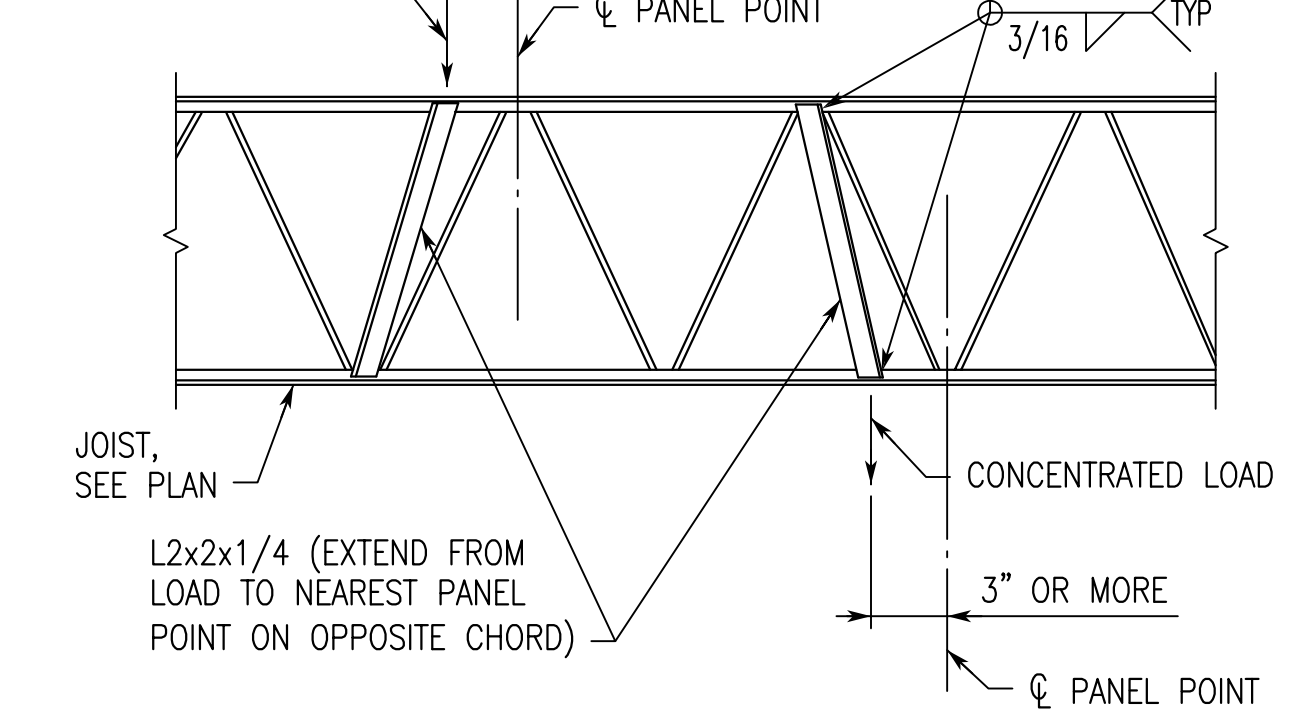
FLOOR
BEAM/COLUMN CONNECTION DETAILS
TYPICAL



WALL AND ROOF WIND
PRESSURE ZONE DIAGRAMS
TYPICAL

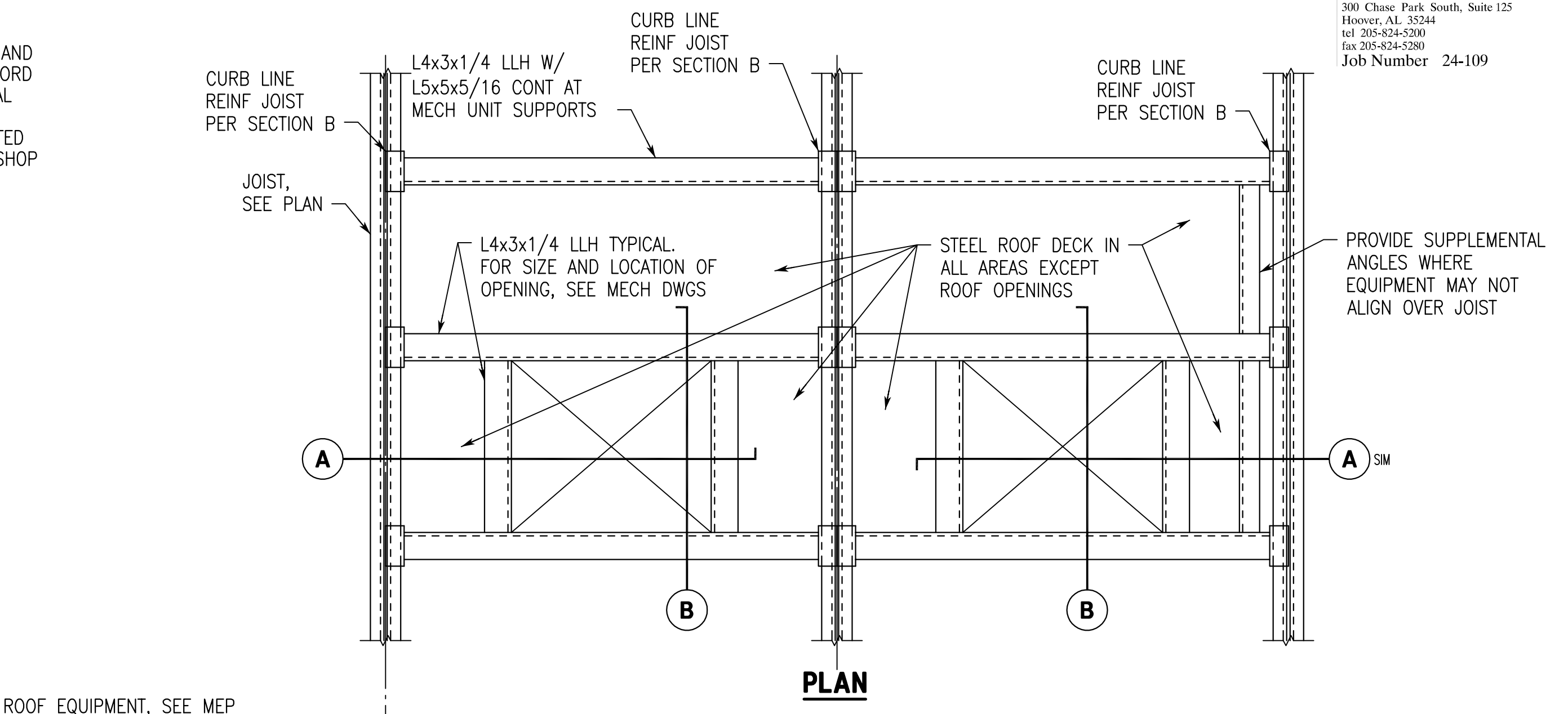


ANGLE OR BENT PLATE
SPLICE DETAIL
TYPICAL AT ALL SPLICES

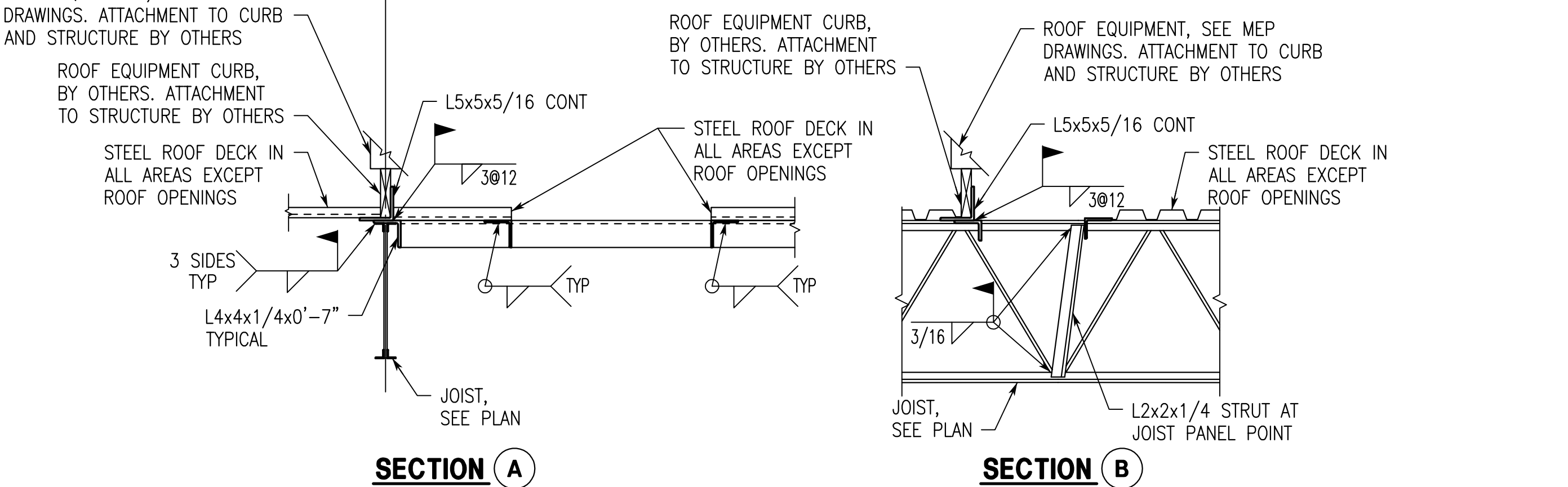


JOIST REINFORCEMENT DETAIL
TYPICAL

ECCENTRICALLY LOADED JOIST NOT RECOMMENDED
CONCENTRICALLY LOADED JOIST RECOMMENDED



PLAN



SECTION A

SECTION B

- NOTES:
1. PROVIDE L4x3x1/4 LLH FRAMES AT ALL WATER/POWER BOXES.
 2. AT ROOF DRAINS SUPPORT, PROVIDE L2x2x1/4 AT JOIST TOP CHORD.
 3. CONTRACTOR COORDINATE ROOF EQUIPMENT FRAMES WITH EQUIPMENT MANUFACTURER. DETAIL IS SCHEMATIC DEPICTION AND OTHER CONFIGURATIONS MAY BE REQUIRED.
 4. FASTEN STEEL ROOF DECK TO ALL ANGLES PER DECK FASTENING REQUIREMENT.

ROOF EQUIPMENT FRAME DETAIL
TYPICAL AT ALL OPENINGS IN ROOF LARGER THAN 8'

COMPONENTS AND CLADDING WIND LOADS FOR WALLS (PSF)

H = 13'-6" 0.25:12 Roof Slope	EFFECTIVE WIND AREA (FT ²)	122 MPH VELOCITY (3-SEC. GUST)		
		ZONES 4 & 5	ZONES 4 (Int.)	ZONES 5 (Edge)
10	29.7	-32.2	-39.6	
20	28.4	-30.8	-37.0	
50	26.6	-29.1	-33.5	
100	25.3	-27.8	-30.9	
200	24.0	-26.4	-28.3	
500	22.3	-24.7	-24.7	

- NOTES:
1. WIDTH OF EDGE STRIP 'a' = 5'-6".
 2. VALUES SHOWN ABOVE HAVE BEEN ADJUSTED FOR BUILDING HEIGHT AND EXPOSURE ACCORDING TO ASCE 7-16 STANDARD TABLE 30.3-1. VALUES SHOWN ARE ULTIMATE.
 3. PLUS AND MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE BUILDING SURFACES.
 4. EFFECTIVE WIND AREA IS THE SPAN LENGTH MULTIPLIED BY AN EFFECTIVE WIDTH THAT NEED NOT BE LESS THAN ONE-THIRD THE SPAN LENGTH.
 5. WIND PRESSURES IN THESE TABLES SHALL BE MULTIPLIED BY 0.6 TO OBTAIN NOMINAL WIND PRESSURES.

COMPONENTS AND CLADDING WIND LOADS FOR ROOF (PSF)

122 MPH VELOCITY (3-SEC. GUST)	H = 13'-6" 0.25:12 Roof Slope	EFFECTIVE WIND AREA (FT ²)	ROOF				OVERHANG		
			Positive Max. Net Pressure 'p' (PSF)	Zone 1 (Int.)	Zone 1 (Int.)	Zone 2 (Edge)	Zone 3 (Corner)	Zone 1 & 2 (Int.) - Max. Net Pressure 'p' (PSF)	Zone 2 (Edge) - Max. Net Pressure 'p' (PSF)
10	16.0	-29.7	-61.7	-68.2	-92.9	-46.7	-63.2	-88.0	
20	16.0	-29.7	-48.3	-63.8	-84.2	-45.9	-67.4	-77.8	
50	16.0	-29.7	-43.8	-58.0	-72.6	-44.8	-64.2	-74.2	
100	16.0	-29.7	-40.4	-53.6	-63.8	-44.0	-63.8	-74.0	
200	16.0	-25.6	-37.0	-49.2	-55.0	-36.9	-58.0	-68.0	
500	16.0	-20.1	-32.4	-43.4	-43.4	-27.5	-30.2	-30.2	

- NOTES:
1. WIDTH OF EDGE STRIP 'a' = 5'-6".
 2. VALUES SHOWN ABOVE HAVE BEEN ADJUSTED FOR BUILDING HEIGHT AND EXPOSURE ACCORDING TO ASCE 7-16 STANDARD TABLE 30.3-1. VALUES SHOWN ARE ULTIMATE.
 3. PLUS AND MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE BUILDING SURFACES.
 4. EFFECTIVE WIND AREA IS THE SPAN LENGTH MULTIPLIED BY AN EFFECTIVE WIDTH THAT NEED NOT BE LESS THAN ONE-THIRD THE SPAN LENGTH.
 5. CONSIDER 5 PSF MINIMUM DEAD LOAD FOR UPLIFT CALCULATIONS FOR ROOF JOISTS AND 2 PSF MINIMUM DEAD LOAD FOR UPLIFT CALCULATIONS FOR ROOF DECK.
 6. WIND PRESSURES IN THESE TABLES SHALL BE MULTIPLIED BY 0.6 TO OBTAIN NOMINAL WIND PRESSURES.

GYMNASIUM COMPONENTS AND CLADDING WIND LOADS FOR WALLS (PSF)

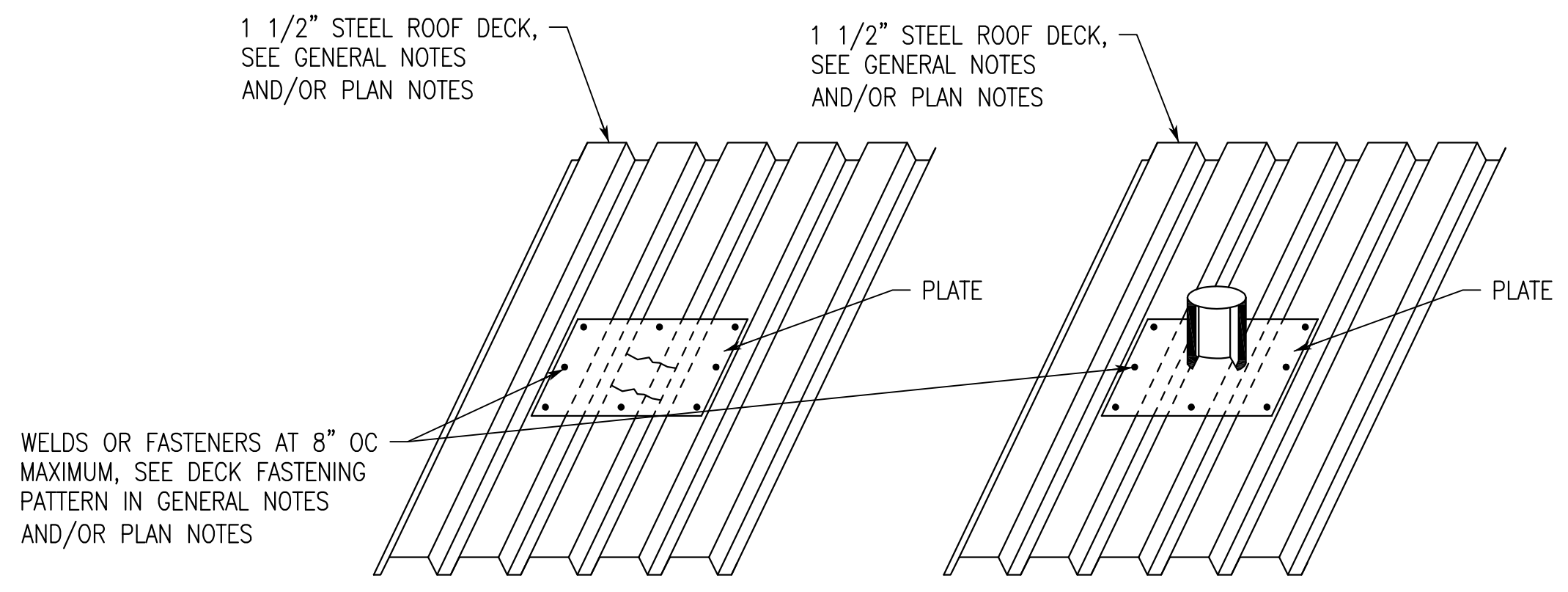
H = 34'-0" 3.75:12 Roof Slope	EFFECTIVE WIND AREA (FT ²)	122 MPH VELOCITY (3-SEC. GUST)		
		ZONES 4 & 5	ZONES 4 (Int.)	ZONES 5 (Edge)
10	38.5	-41.8	-51.6	
20	36.8	-40.0	-48.1	
50	34.5	-37.7	-43.6	
100	32.8	-36.0	-40.1	
200	31.0	-34.2	-36.6	
500	28.7	-32.0	-32.0	

- NOTES:
1. WIDTH OF EDGE STRIP 'a' = 7'-6".
 2. VALUES SHOWN ABOVE HAVE BEEN ADJUSTED FOR BUILDING HEIGHT AND EXPOSURE ACCORDING TO ASCE 7-16 STANDARD TABLE 30.3-1. VALUES SHOWN ARE ULTIMATE.
 3. PLUS AND MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE BUILDING SURFACES.
 4. EFFECTIVE WIND AREA IS THE SPAN LENGTH MULTIPLIED BY AN EFFECTIVE WIDTH THAT NEED NOT BE LESS THAN ONE-THIRD THE SPAN LENGTH.
 5. WIND PRESSURES IN THESE TABLES SHALL BE MULTIPLIED BY 0.6 TO OBTAIN NOMINAL WIND PRESSURES.

GYMNASIUM COMPONENTS AND CLADDING WIND LOADS FOR ROOF (PSF)

122 MPH VELOCITY (3-SEC. GUST)	H = 34'-0" 3.75:12 Roof Slope	EFFECTIVE WIND AREA (FT ²)	ROOF			OVERHANG			
			Positive Max. Net Pressure 'p' (PSF)	Zone 1 & 2e (Int.)	Zone 2n, 2r, & 3e (Edge)	Zone 3r (Corner)	Zone 1 & 2e (Int.) - Max. Net Pressure 'p' (PSF)	Zone 2n & 2r (Edge) - Max. Net Pressure 'p' (PSF)	Zone 3e (Corner) - Max. Net Pressure 'p' (PSF)
10	23.4	-71.2	-103.8	-123.4	-81.6	-114.3	-133.9	-153.4	
20	21.0	-71.2	-89.8	-105.7	-81.6	-103.7	-115.6	-129.9	
50	18.0	-43.3	-71.2	-82.3	-63.0	-89.8	-91.4	-98.7	
100	16.0	-22.2	-57.1	-64.6	-49.0	-79.2	-73.1	-75.1	
200	16.0	-22.2	-43.0	-64.6	-49.0	-68.7	-54.9	-75.1	
500	16.0	-22.2	-38.5	-64.6	-49.0	-65.3	-49.0	-75.1	

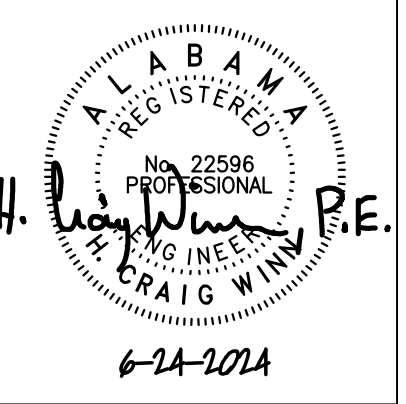
- NOTES:
1. WIDTH OF EDGE STRIP 'a' = 7'-6".
 2. VALUES SHOWN ABOVE HAVE BEEN ADJUSTED FOR BUILDING HEIGHT AND EXPOSURE ACCORDING TO ASCE 7-16 STANDARD TABLE 30.3-1. VALUES SHOWN ARE ULTIMATE.
 3. PLUS AND MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE BUILDING SURFACES.
 4. EFFECTIVE WIND AREA IS THE SPAN LENGTH MULTIPLIED BY AN EFFECTIVE WIDTH THAT NEED NOT BE LESS THAN ONE-THIRD THE SPAN LENGTH.
 5. METAL BUILDING MANUFACTURER SHALL BE RESPONSIBLE FOR CALCULATING WIND UPLIFT PRESSURES AND MINIMUM DEAD LOADS FOR METAL BUILDING COMPONENTS AND CLADDING.
 6. WIND PRESSURES IN THESE TABLES SHALL BE MULTIPLIED BY 0.6 TO OBTAIN NOMINAL WIND PRESSURES.



ROOF DECK PENETRATIONS
TYPICAL

- NOTE:
1. UP TO 8" - 0.045" (18 GA) MINIMUM PLATE THICKNESS.
 2. OVER 8" - PROVIDE ROOF EQUIPMENT FRAME AT OPENING PER TYPICAL DETAIL.

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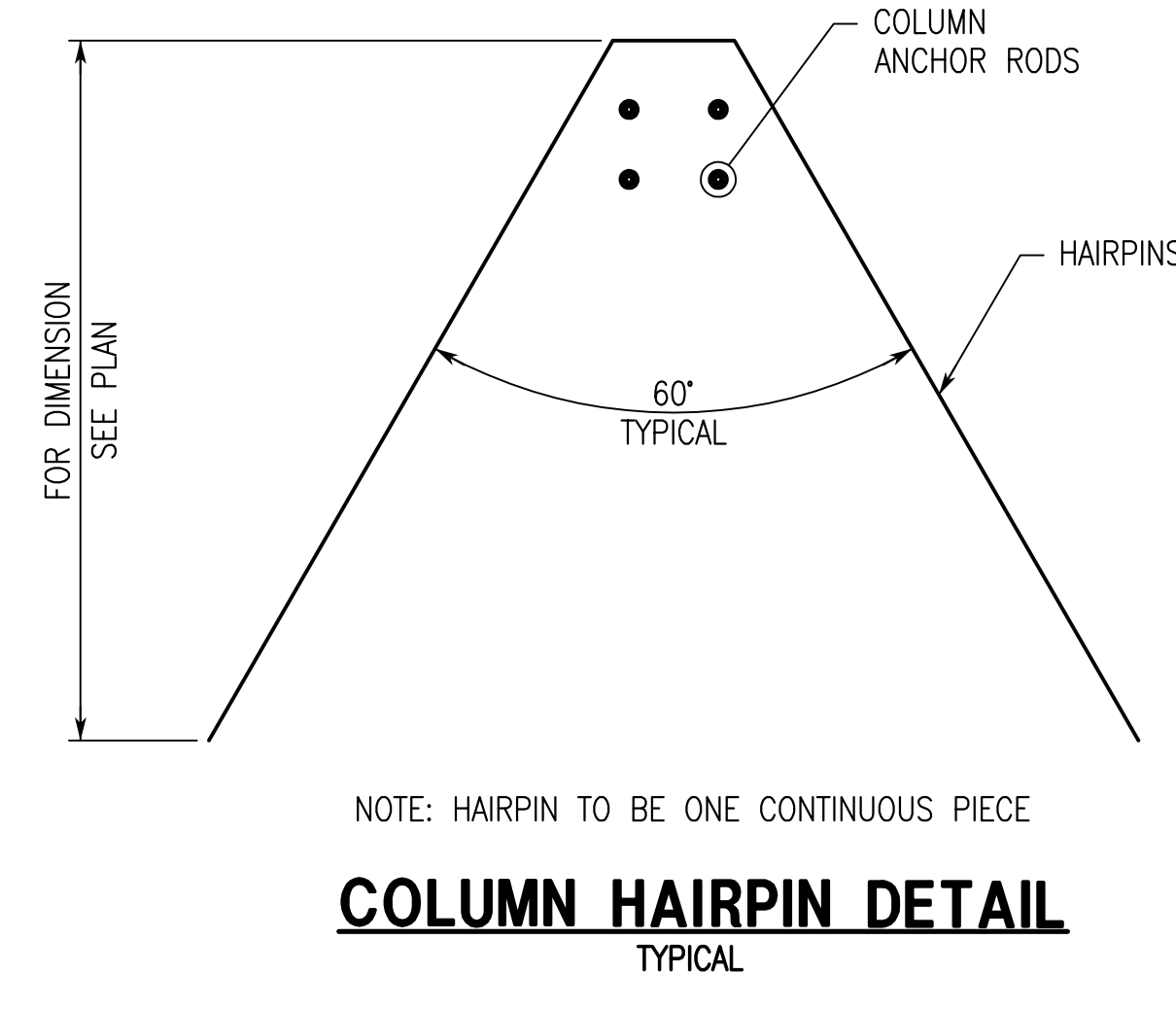
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TYPICAL DETAILS

PROJ. MGR.: HCV
DRAWN: ABS
DATE: 6/24/2024
REVISIONS:

JOB NO. 24-38

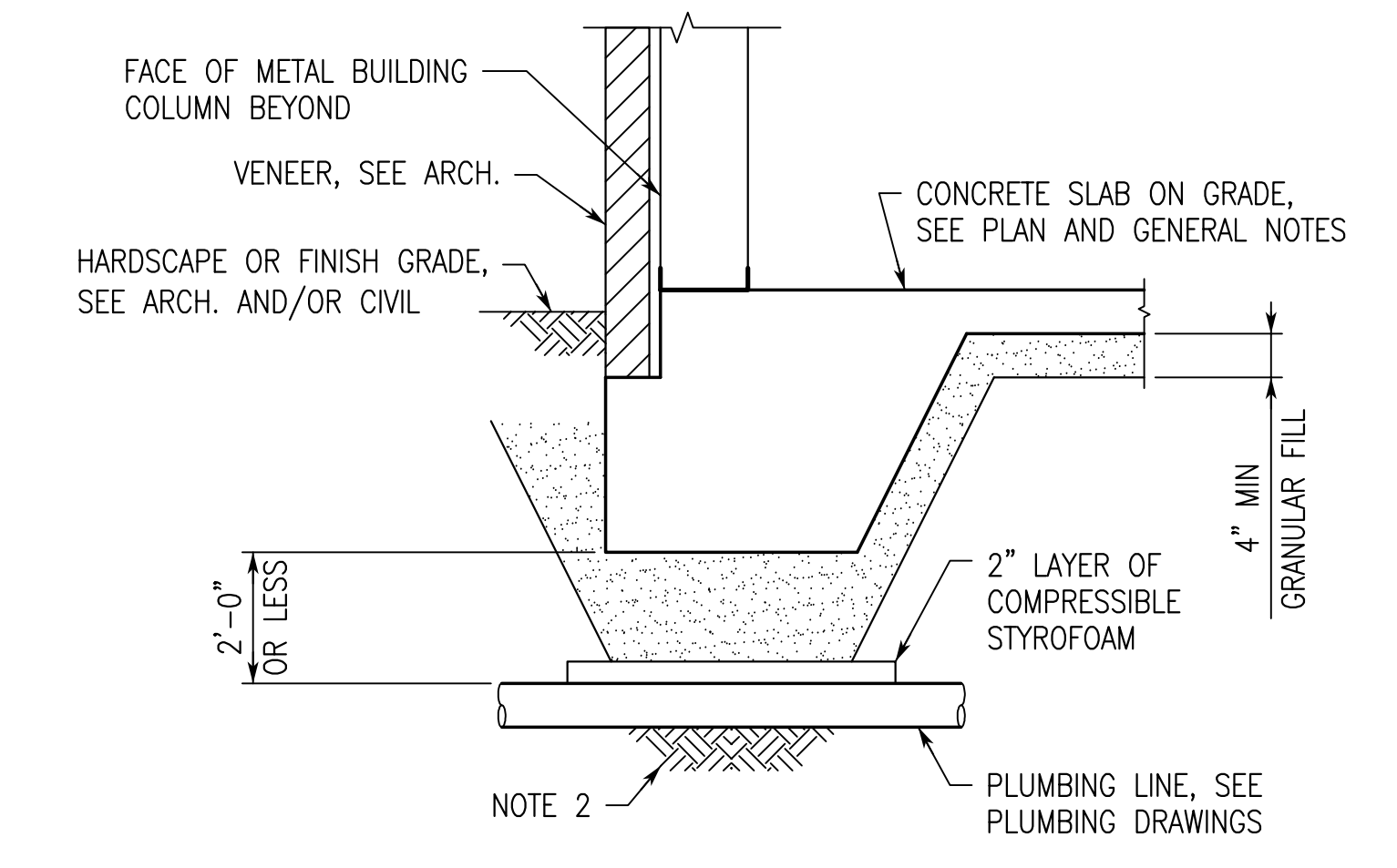
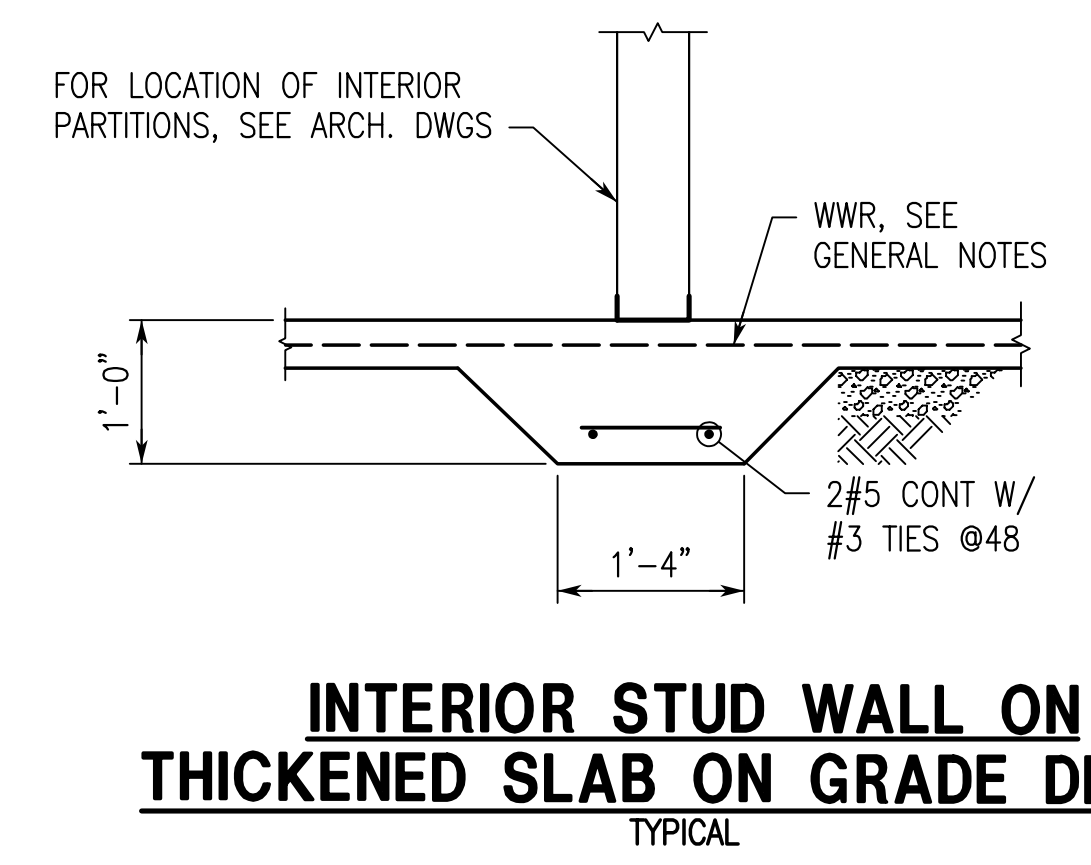
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5 OF 16



ANCHOR ROD EMBEDMENT LENGTHS	
BOLT DIA	MIN EMBEDMENT
3/4"	9"
1"	12"
1 1/4"	15"
1 1/2"	18"

NOTE:
ANCHOR ROD SIZE AND MATERIAL TO BE PROVIDED BY METAL BUILDING MANUFACTURER. THE ABOVE TABLE IS MINIMUM EMBEDMENT TO FULLY DEVELOP ASTM F1554 GRADE 36 HEADED ANCHOR RODS. FINAL ANCHOR ROD EMBEDMENT DEPTH SHALL BE DETERMINED BY STRUCTURAL ENGINEER AFTER SUBMITTAL OF COLUMN BASE AND ANCHOR ROD INFORMATION FROM METAL BUILDING MANUFACTURER PRIOR TO MATERIAL ORDER AND FABRICATION.

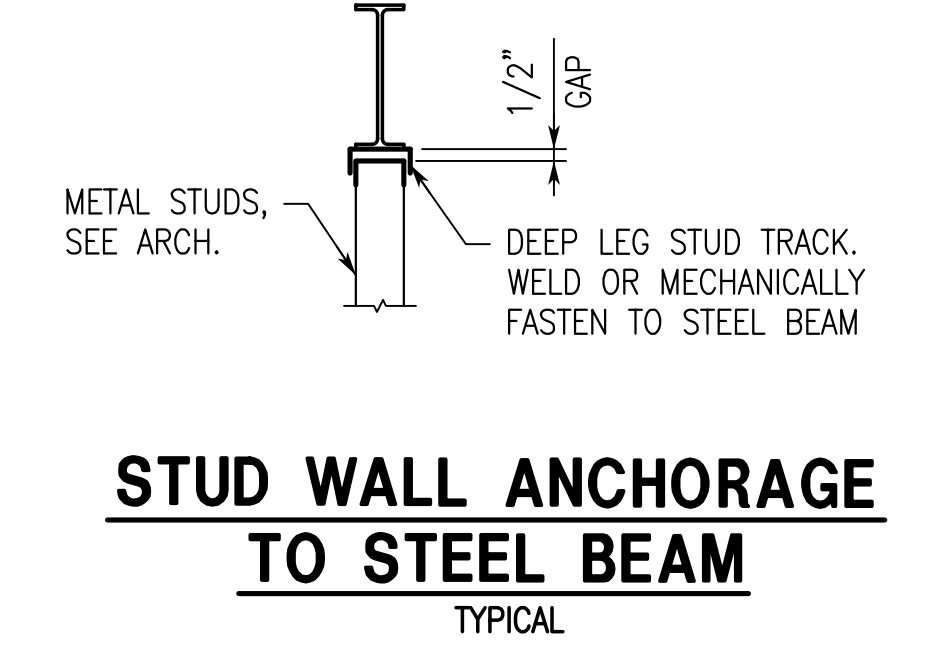
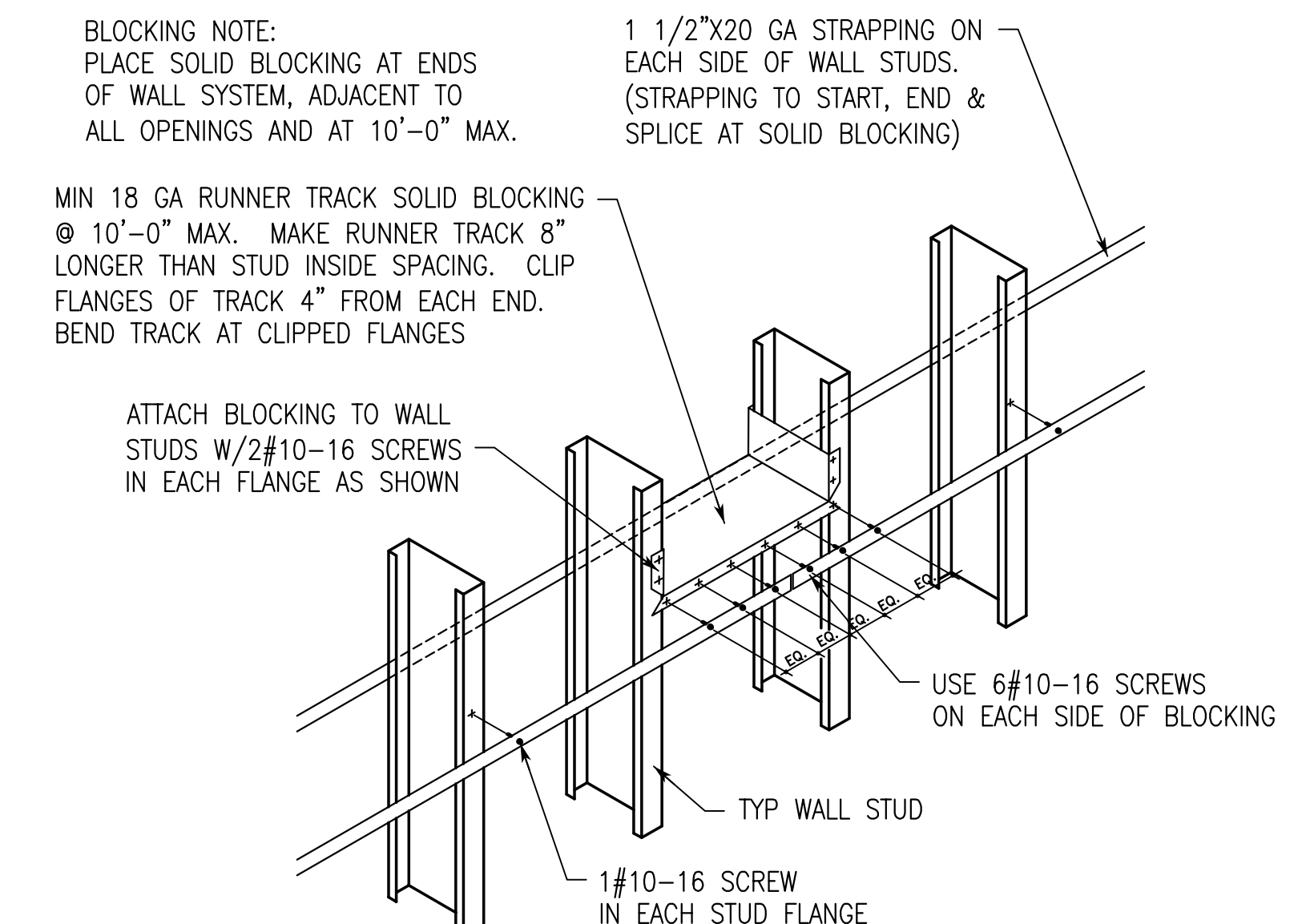
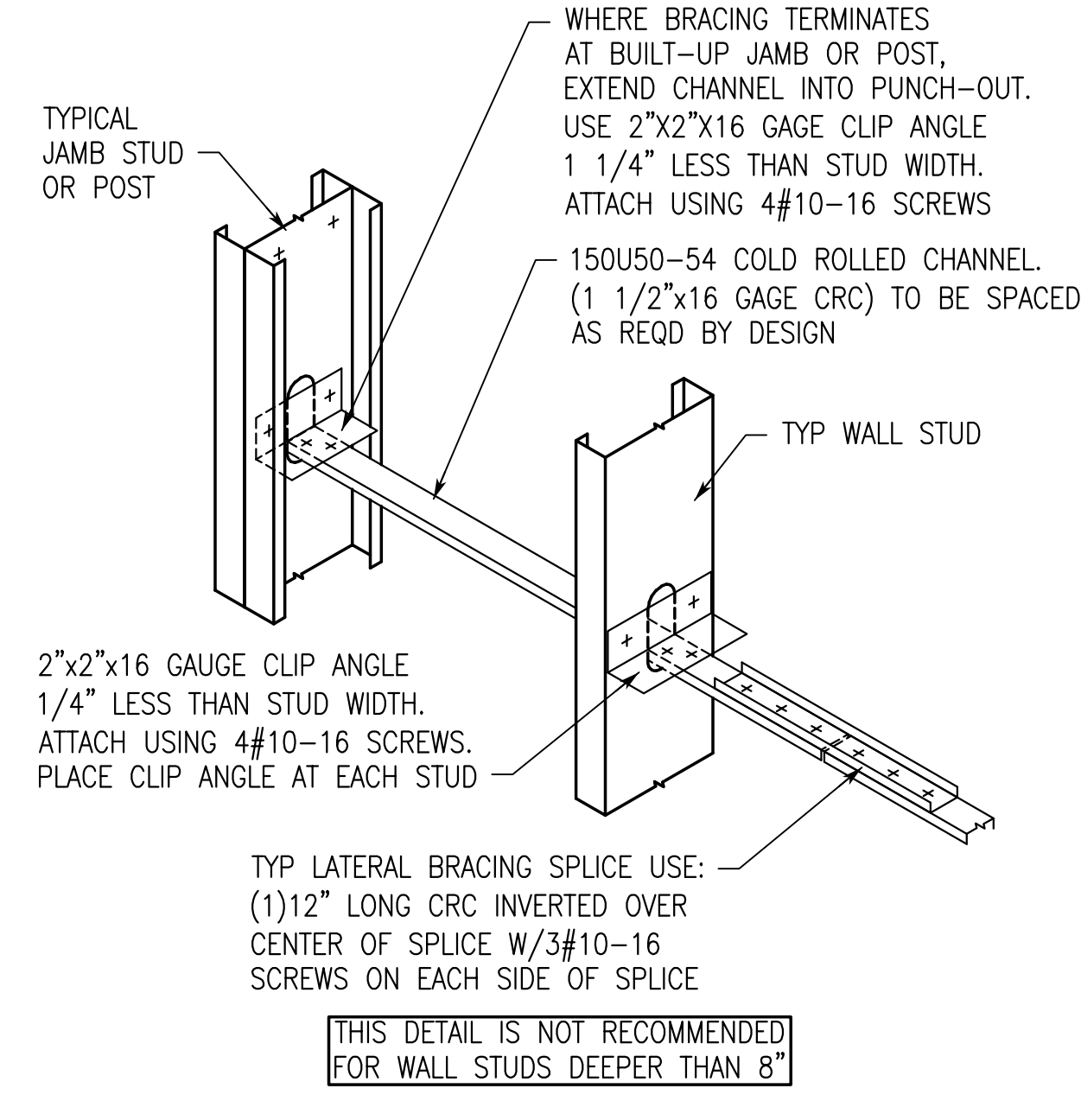
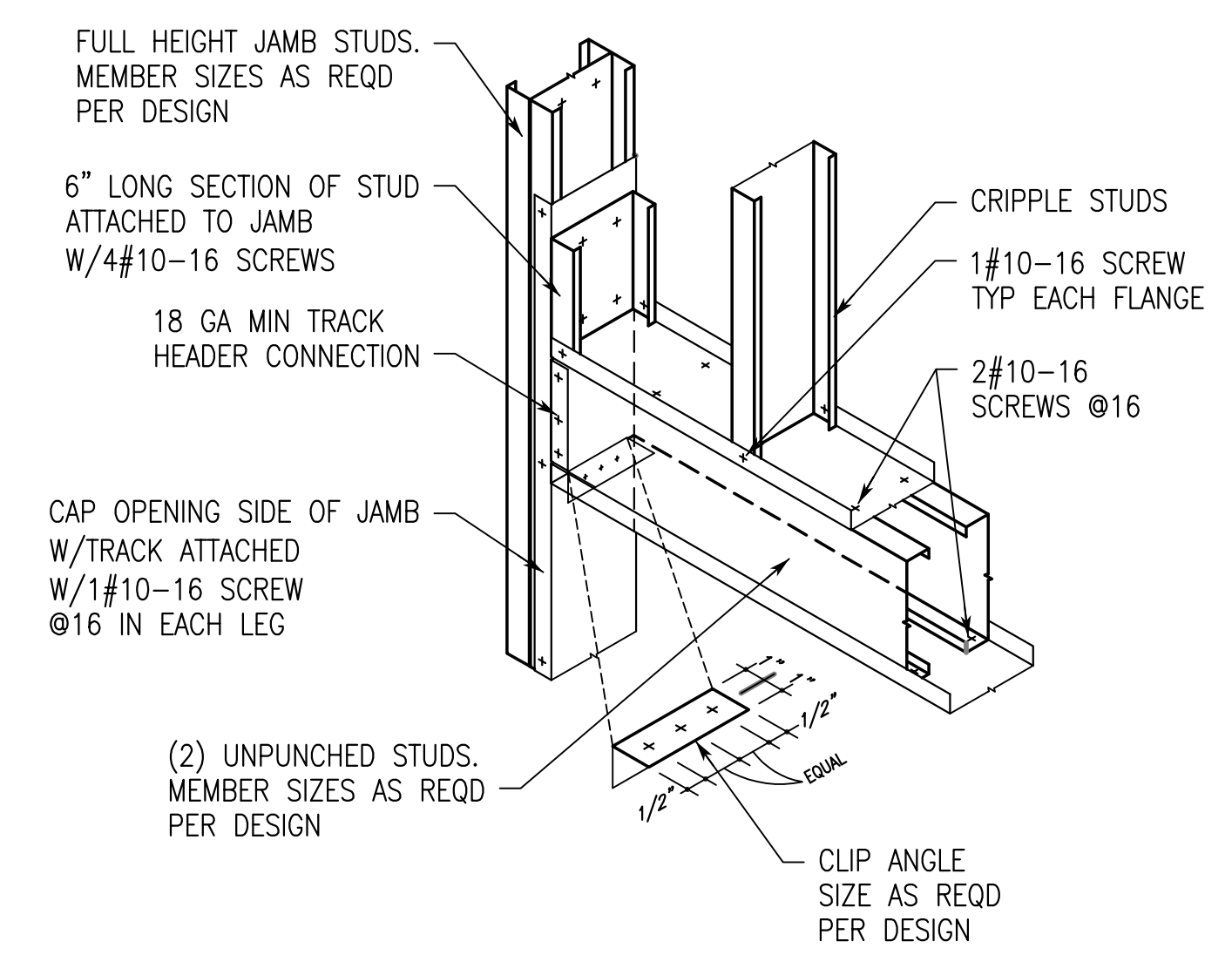
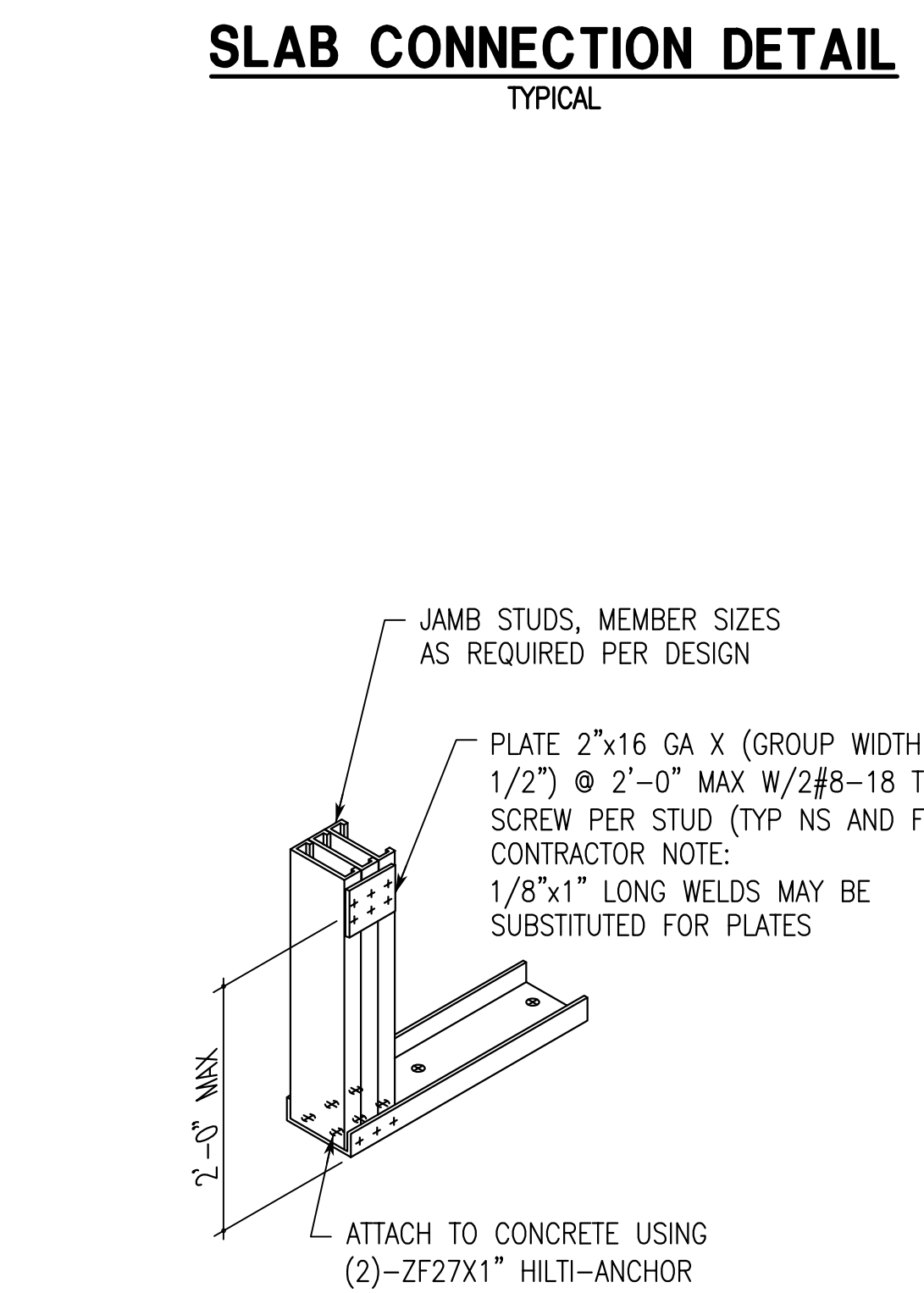
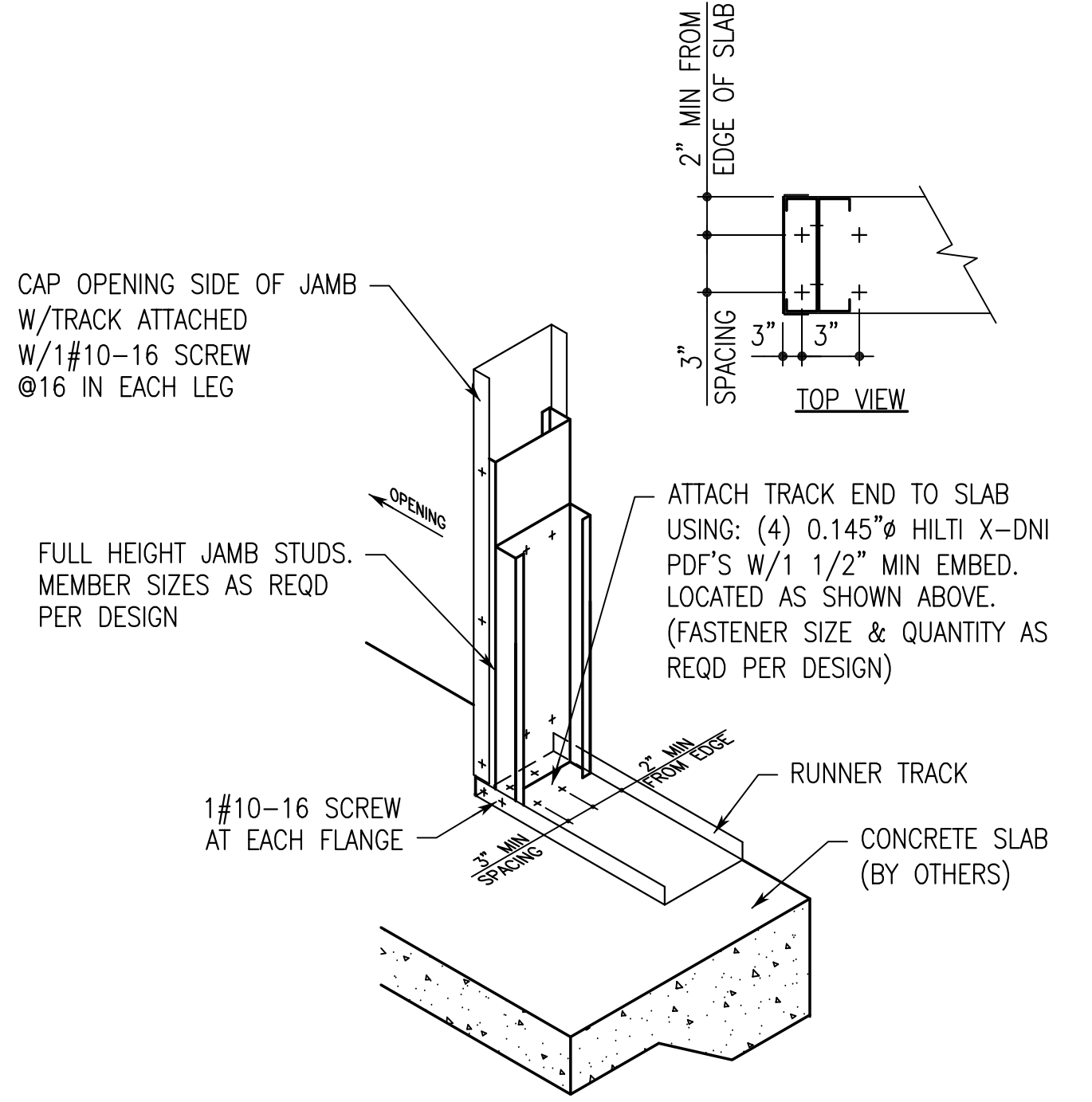
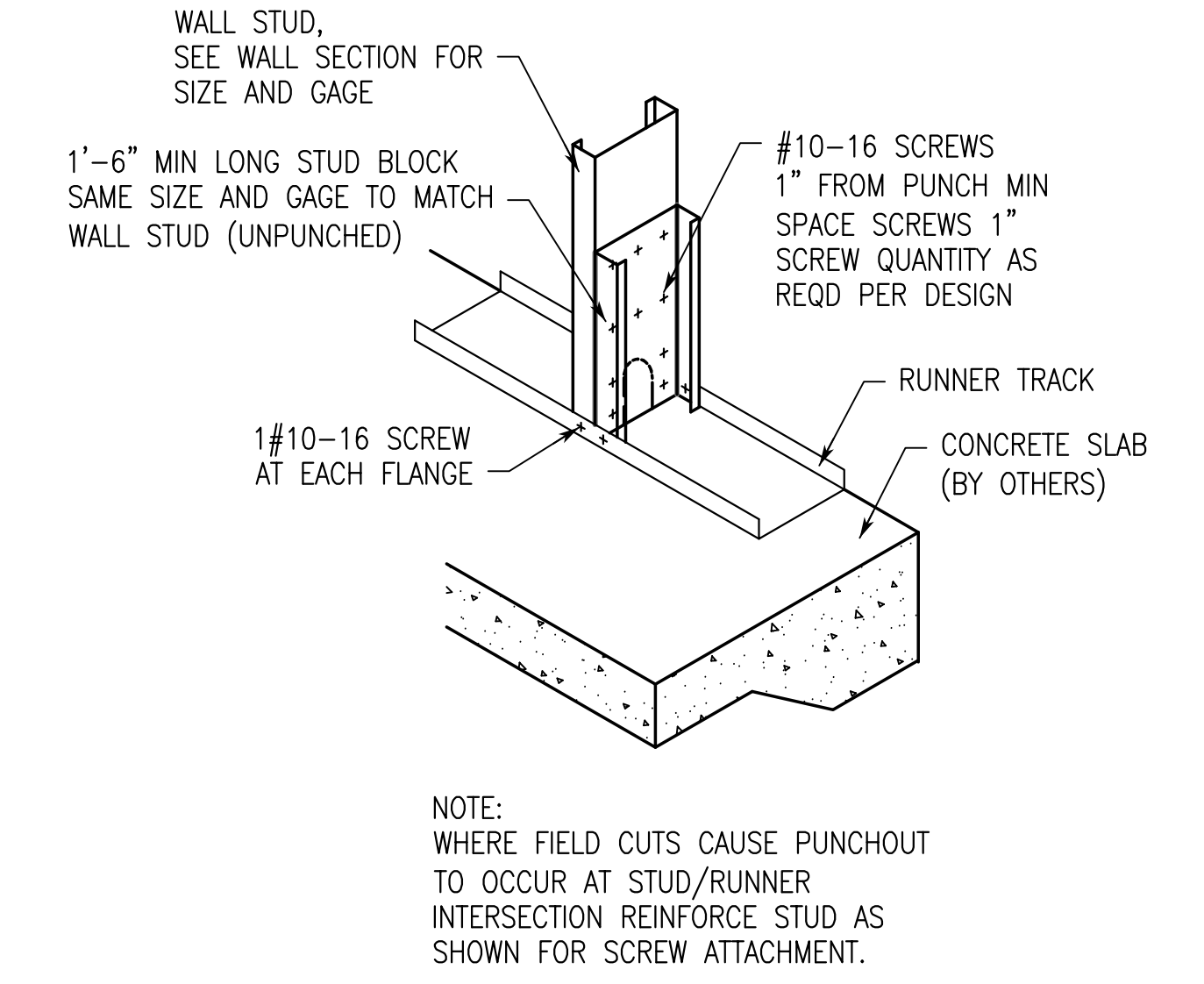
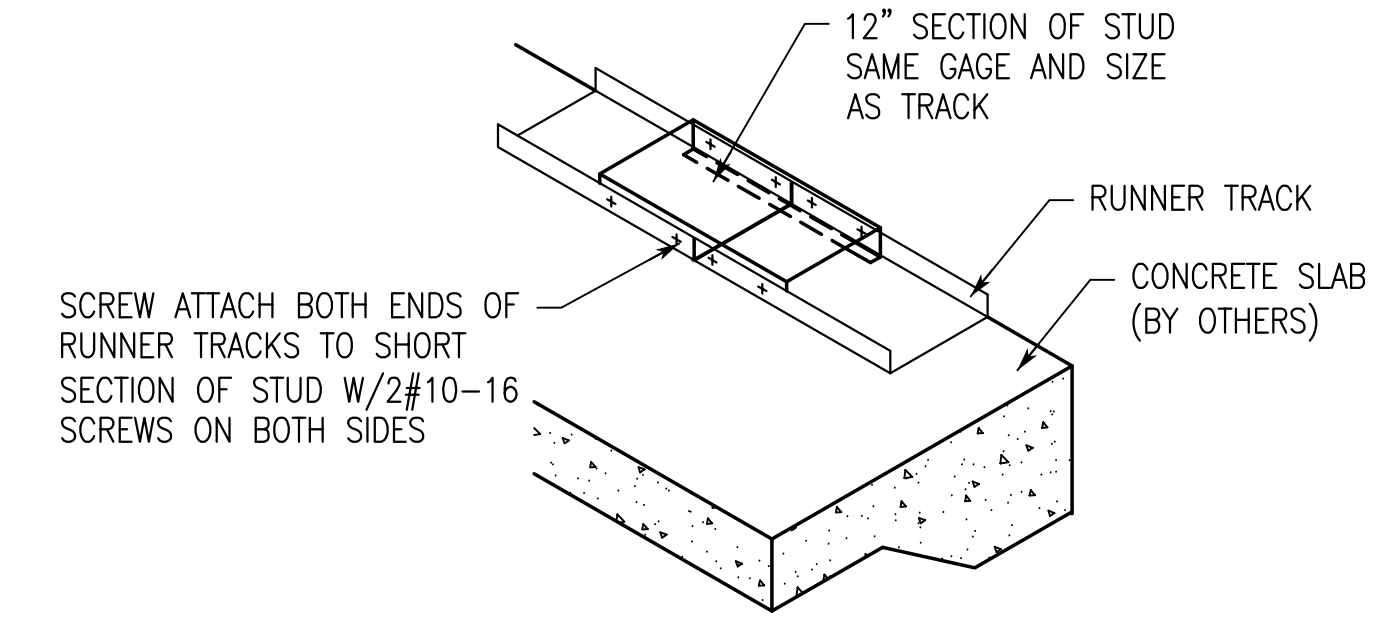
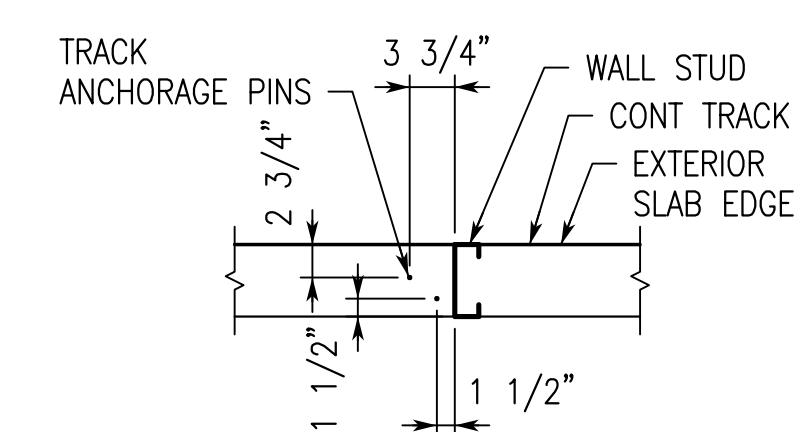
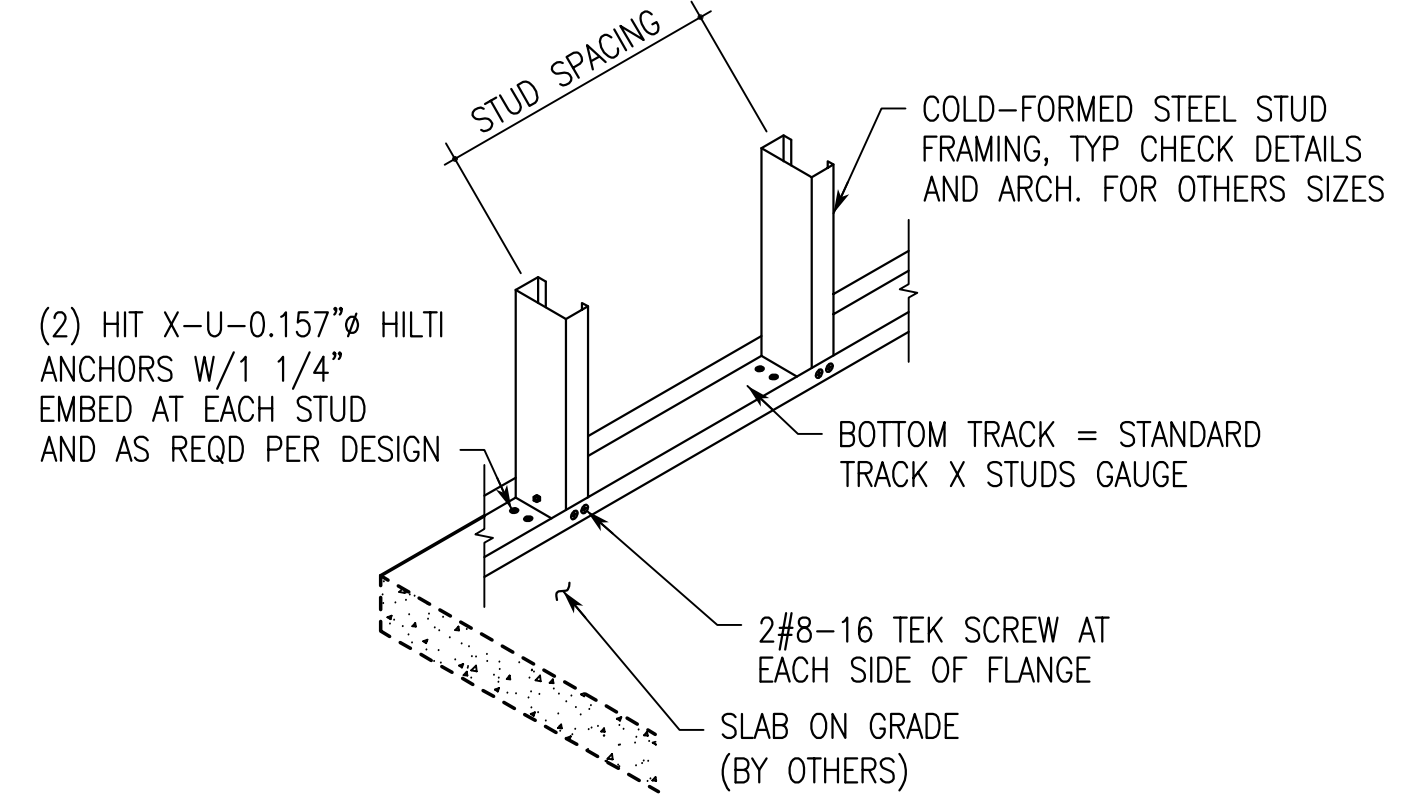


- NOTES:
1. DO NOT RUN PLUMBING LINE BELOW AND PARALLEL TO FOOTING. OFFSET PARALLEL PLUMBING LINE MINIMUM 1'-0" BEYOND EDGE OF FOOTING.
2. SOIL UNDER UTILITY TRENCHES SHALL BE COMPACTED AS REQUIRED TO PROVIDE ALLOWABLE BEARING PRESSURE NOTED IN GENERAL NOTES.
3. IF A PLUMBING LINE IS REQUIRED TO EXTEND VERTICALLY THROUGH THE FOOTING, CONTRACTOR TO PROVIDE A PVC SLEEVE (1" LARGER IN DIAMETER THAN PLUMBING LINE) TO ALLOW FOR FOOTING MOVEMENT.

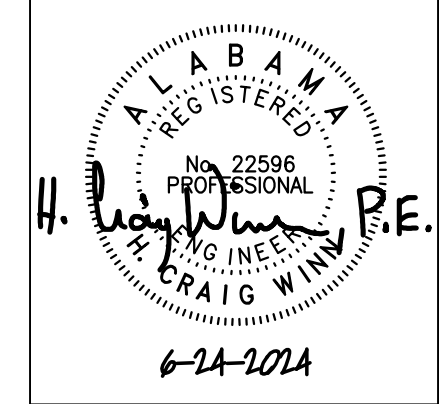
METAL BUILDING COLUMN REACTIONS (KIPS)														
COLUMN DESIGNATION	DEAD		COLLATERAL		ROOF LIVE		WIND E-W		WIND N-S		EQ E-W		EQ N-S	
	H	V	H	V	H	V	H	V	H	V	H	V	H	V
A1, A4, E1, E4	-0.3	2.8	-3.0	6.6	-3.0	6.6	+7.0/-7.0	+4.0/-5.8	0.4	-10.5	+1.9/-1.9	+1.8/-1.8	+1.9/-1.9	+3.3/-3.3
B1, B4 **	-0.9	4.8	-6.5	19.4	-6.5	19.4	+19.3/-19.3	+6.0/-20.8	10.3	-30.5	+1.9/-1.9	+1.8/-1.8	+1.9/-1.9	+3.3/-3.3
A2, A3, E2, E3	--	2.0	--	--	--	--	--	--	+9.0/-9.0	--	--	--	+1.0/-1.0	--

** FRAME LINES B-D ARE IDENTICAL

- NOTES:
1. BEFORE INSTALLATION OF FOUNDATIONS, METAL BUILDINGS SUPPLIER SHALL SUBMIT DESIGN LOADS AND COLUMN REACTIONS TO THE ARCHITECT/ENGINEER FOR REVIEW. THE CURRENT FOUNDATION DESIGN HAS BEEN BASED ON PRELIMINARY METAL BUILDING REACTIONS GENERATED BY STRUCTURAL DESIGN GROUP, INC. AND SHOWN ABOVE. DIFFERENCES IN PRELIMINARY & ACTUAL REACTIONS MAY REQUIRE ADJUSTMENTS TO THE FOUNDATION SIZES AFTER REVIEWING THE FINAL METAL BUILDING COLUMN REACTIONS.
2. POSTIVE AND NEGATIVE AXIAL FORCES (V) INDICATE FORCES ACTING TO AND AWAY FROM THE STRUCTURE, RESPECTIVELY. POSTIVE AND NEGATIVE SHEAR FORCES (H) INDICATE FORCES ACTING TOWARDS AND AWAY FROM THE CENTER OF THE BUILDING, RESPECTIVELY.
3. LATERAL FORCES SHOWN ARE "MWFERS" FORCES AND ARE ULTIMATE LEVEL FORCES.



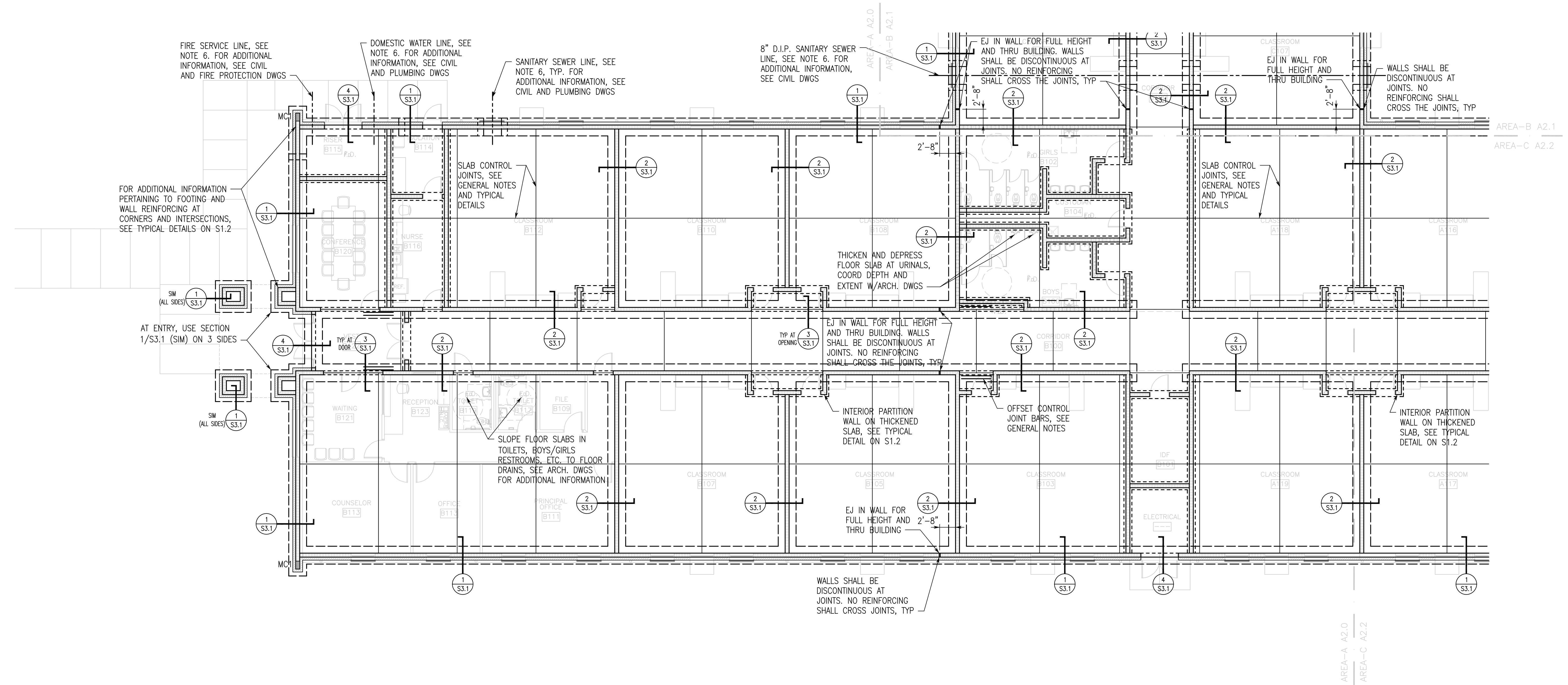
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SHEET TITLE:
TYPICAL DETAILS

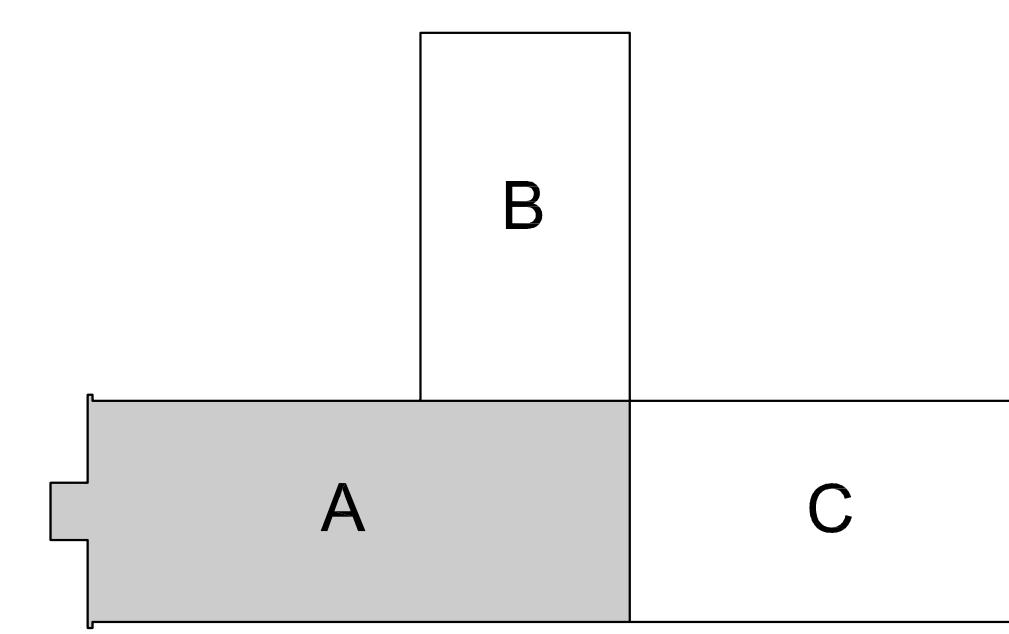
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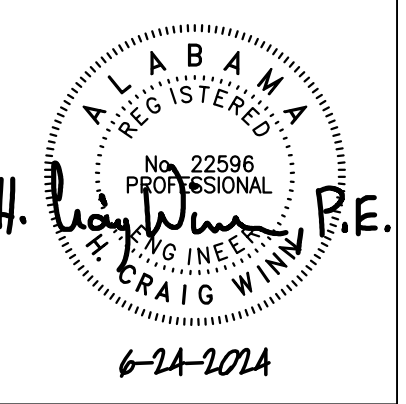
PARTIAL FOUNDATION PLAN - AREA A
 1/8"=1'-0"

1. FINISH FLOOR (TOP OF SLAB) ELEVATION (FFE) 177.15', UNLESS NOTED.
2. TOP OF FOOTING ELEVATION -2'-0", UNLESS NOTED.
3. FOR SLAB ON GRADE CONSTRUCTION, SEE GENERAL NOTES AND TYPICAL DETAILS.
4. FOR SLAB RECESS AND RAMP LOCATIONS, SEE ARCHITECTURAL DRAWINGS.
5. GENERAL CONTRACTOR SHALL COORDINATE TILE JOINT LOCATIONS WITH CONTROL JOINTS.
6. FOOTING STEP LOCATIONS SHOWN ARE APPROXIMATE. GENERAL CONTRACTOR COORDINATE LOCATION OF ALL (EXTERIOR & INTERIOR) FOOTING STEPS WITH THE LATEST CIVIL, PLUMBING AND UTILITY DRAWINGS. SEE FOOTING STEP DETAIL ON S1.2.
7. FOOTING WIDTHS INDICATED ON PLAN MAY OR MAY NOT BE TO SCALE. COORDINATE WITH SECTION CUTS FOR FOOTING WIDTHS AND ADDITIONAL INFORMATION.
8. MC# INDICATES MASONRY COLUMN. SEE SHEET S1.3 FOR ADDITIONAL INFORMATION.
9. C# INDICATES STEEL OR CONCRETE COLUMN. SEE SCHEDULE ON S1.3 AND COLUMN BASE AND FOOTING DETAIL ON S1.2 AND S1.3.
10. F# INDICATES CONCRETE SPREAD FOOTING. SEE SCHEDULE ON S1.3 AND COLUMN BASE AND FOOTING DETAIL ON S1.2 AND S1.3.
11. FOR PAVEMENT AND HARDSCAPE INFORMATION, SEE ARCHITECTURAL DRAWINGS AND CIVIL DRAWINGS.
12. FOR LOAD BEARING AND NON-LOAD BEARING CMU WALL PLAN DIMENSIONS AS WELL AS OTHER PLAN DIMENSIONS, SEE ARCHITECTURAL DRAWINGS.



PROJECT NORTH
KEY PLAN
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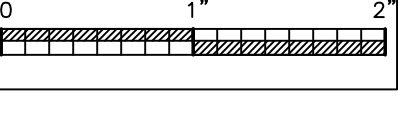
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 PARTIAL
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 - AREA A

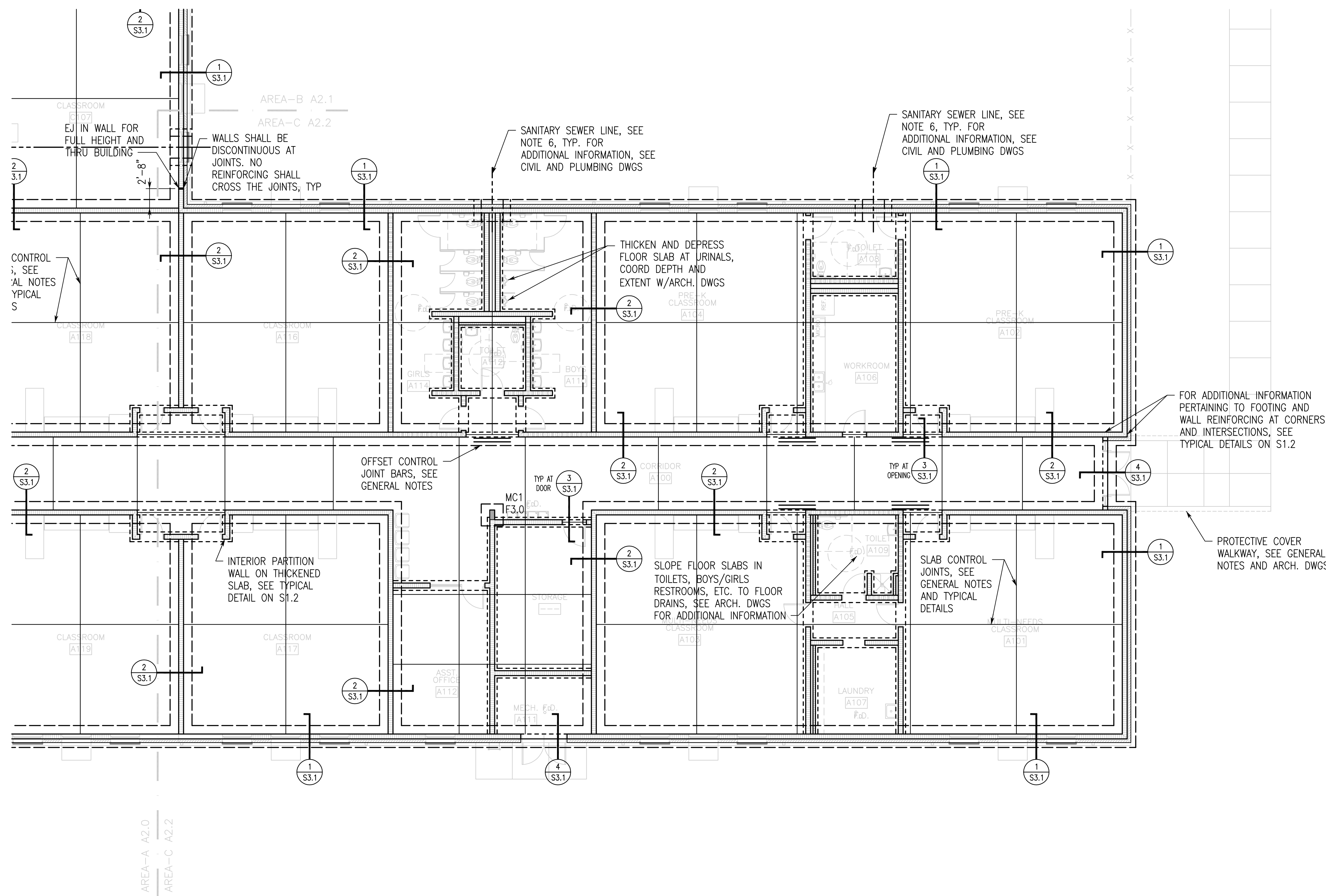
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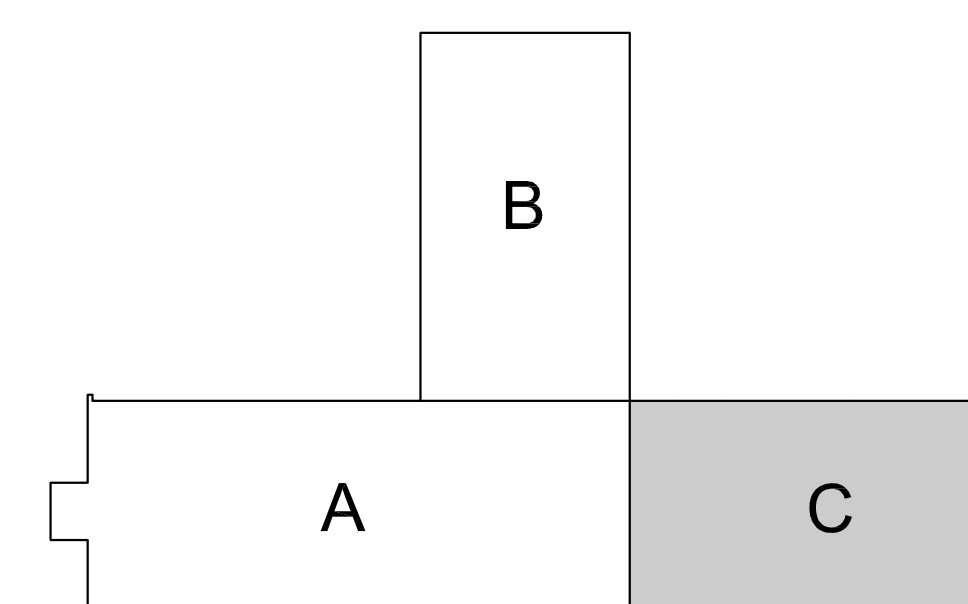
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 7 OF 16





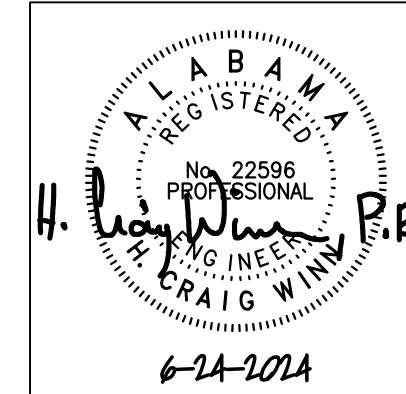
PARTIAL FOUNDATION PLAN - AREA C
 1/8"=1'-0"

1. FINISH FLOOR (TOP OF SLAB) ELEVATION (FFE) 177.15', UNLESS NOTED.
2. TOP OF FOOTING ELEVATION -2'-0", UNLESS NOTED.
3. FOR SLAB ON GRADE CONSTRUCTION, SEE GENERAL NOTES AND TYPICAL DETAILS.
4. FOR SLAB RECESS AND RAMP LOCATIONS, SEE ARCHITECTURAL DRAWINGS.
5. GENERAL CONTRACTOR SHALL COORDINATE TILE JOINT LOCATIONS WITH CONTROL JOINTS.
6. FOOTING STEP LOCATIONS SHOWN ARE APPROXIMATE. GENERAL CONTRACTOR COORDINATE LOCATION OF ALL (EXTERIOR & INTERIOR) FOOTING STEPS WITH THE LATEST CIVIL, PLUMBING AND UTILITY DRAWINGS. SEE FOOTING STEP DETAIL ON S1.2.
7. FOOTING WIDTHS INDICATED ON PLAN MAY OR MAY NOT BE TO SCALE. COORDINATE WITH SECTION CUTS FOR FOOTING WIDTHS AND ADDITIONAL INFORMATION.
8. MC# INDICATES MASONRY COLUMN. SEE SHEET S1.3 FOR ADDITIONAL INFORMATION.
9. C# INDICATES STEEL OR CONCRETE COLUMN. SEE SCHEDULE ON S1.3 AND COLUMN BASE AND FOOTING DETAIL ON S1.2 AND S1.3.
10. F# INDICATES CONCRETE SPREAD FOOTING. SEE SCHEDULE ON S1.3 AND COLUMN BASE AND FOOTING DETAIL ON S1.2 AND S1.3.
11. FOR PAVEMENT AND HARDSCAPE INFORMATION, SEE ARCHITECTURAL DRAWINGS AND CIVIL DRAWINGS.
12. FOR LOAD BEARING AND NON-LOAD BEARING CMU WALL PLAN DIMENSIONS AS WELL AS OTHER PLAN DIMENSIONS, SEE ARCHITECTURAL DRAWINGS.



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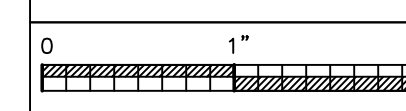
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 PARTIAL
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 - AREA C

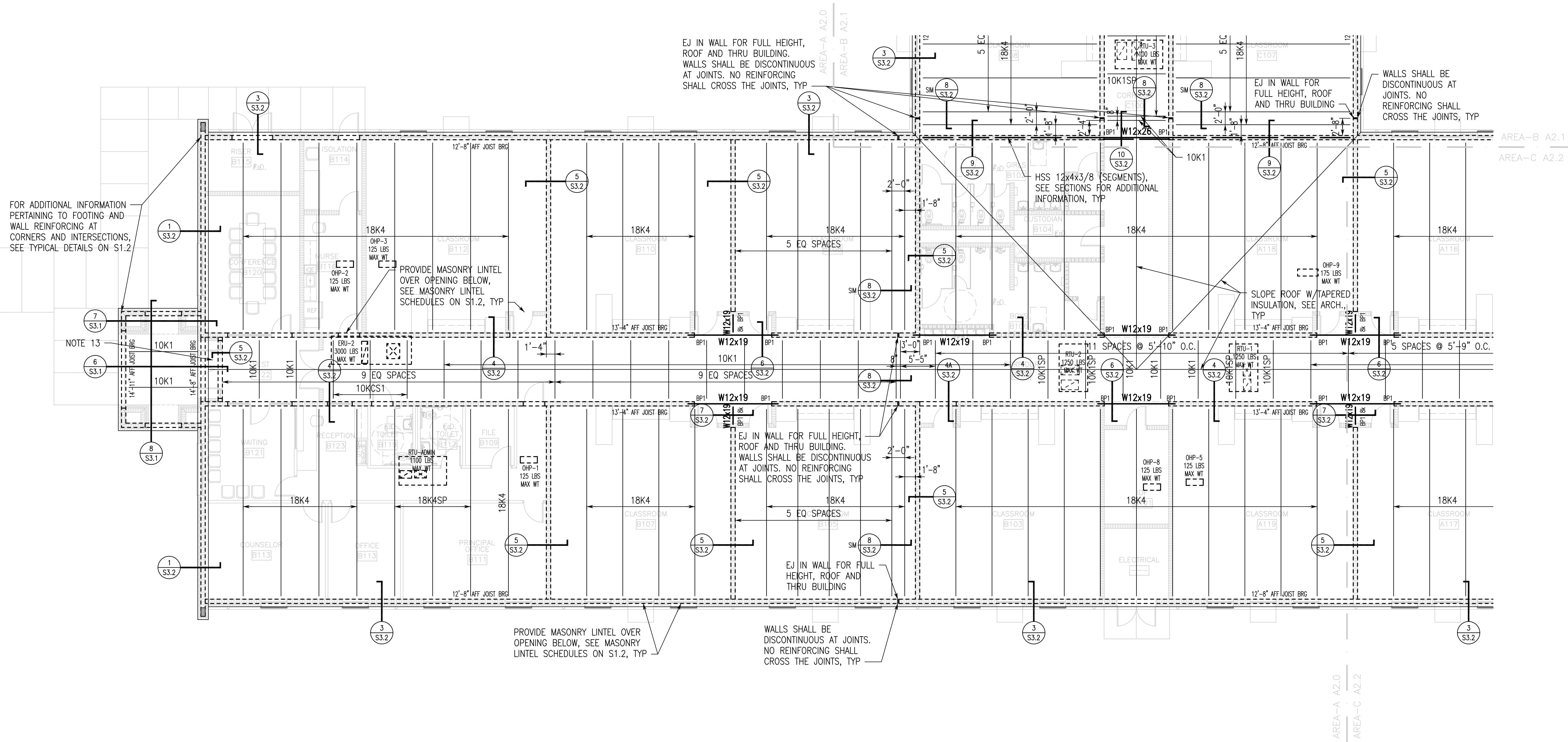
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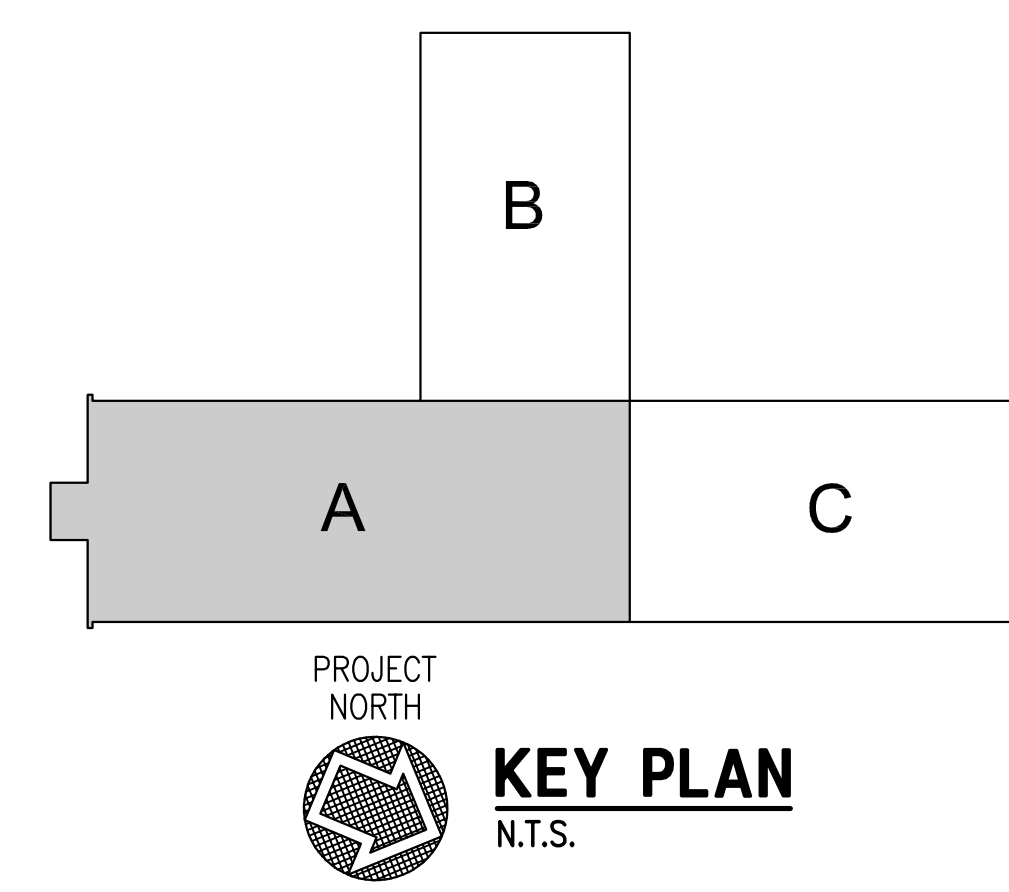
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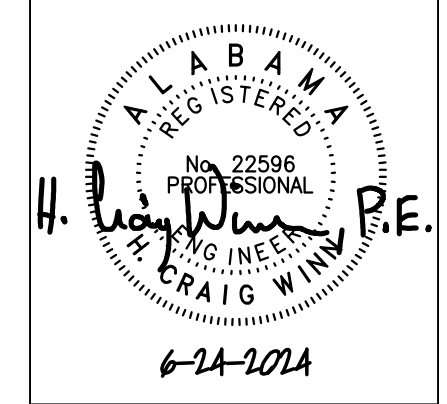


PARTIAL ROOF FRAMING PLAN - AREA A
 1/8"=1'-0"

- TOP OF STEEL (JOIST BEARING) ELEVATION 177.15' FFE, SEE PLAN AND/OR SECTIONS.
- ROOF SYSTEM: 1 1/2" STEEL ROOF DECK, 20 GAGE, ON STEEL JOISTS AT 6'-0" MAXIMUM ON CENTER (UNLESS NOTED OTHERWISE), SEE GENERAL NOTES. ANCHOR METAL DECK TO JOISTS WITH #12 SCREWS IN 36/4 PATTERN WITH 2#10 SIDELAP SCREWS BETWEEN JOISTS.
- TOP OF STEEL IS EITHER LEVEL OR SLOPING UNIFORMLY BETWEEN NOTED ELEVATIONS.
- SPACE STEEL JOISTS EQUALLY BETWEEN FACE OF WALLS, UNLESS NOTED.
- EQUIPMENT LOCATIONS AND WEIGHTS SHOWN ARE APPROXIMATE. THE GENERAL CONTRACTOR SHALL COORDINATE AND VERIFY THE SIZE, WEIGHT AND LOCATION OF ALL MECHANICAL UNITS WITH THE JOIST MANUFACTURER. DO NOT SCALE FROM THIS DRAWING. PROVIDE ROOF EQUIPMENT FRAME AT ALL MECHANICAL UNITS. SEE DETAIL ON S1.4.
- HANGER LOCATIONS FOR PIPING LARGER THAN 3 INCHES IN DIAMETER MUST BE COORDINATED BY THE GENERAL CONTRACTOR WITH THE JOIST MANUFACTURER. FOR PIPING WEIGHTS, SEE TYPICAL DETAILS ON S1.3.
- AT JOISTS DESIGNATED "SP", JOIST MANUFACTURER SHALL DESIGN JOISTS FOR 25 PSF DEAD LOAD AND 20 PSF LIVE LOAD PLUS ANY ADDITIONAL LOADS SHOWN ON PLANS, NOTED IN PLAN NOTES, AND/OR SHOWN/NOTED IN SECTIONS. LIMIT DEAD LOAD DEFLECTION OF JOISTS TO 0.75".
- PROVIDE MASONRY AND VENEER LINTELS AT ALL OPENINGS, SEE SCHEDULE ON S1.2.
- AT K-SERIES, PROVIDE 3 1/2" JOIST SEAT DEPTHS TYPICAL, UNLESS NOTED.
- CONTRACTOR NOTE: ALL MECHANICAL OPENING SIZES AND LOCATIONS IN LOAD BEARING MASONRY WALL SHOULD BE COORDINATED BY THE CONTRACTOR AND INDICATED ON THE MASONRY WALL REINFORCING SHOP DRAWINGS.
- CONTRACTOR COORDINATE ALL HANGER LOADS AND LOCATIONS WITH JOIST MANUFACTURER.
- CONTRACTOR COORDINATE STEEL JOIST LAYOUT BASED ON REQUIRED EQUIPMENT LOCATIONS AND ORIENTATIONS AS WELL AS DUCT ROUTING.
- FOR SOFFIT FRAMING, PROVIDE 6"x18 GAUGE METAL STUDS AT 16" ON CENTER. EXTEND STUDS TO ATTACH TO CMU WALLS WITH METAL STUD TRACK AT EACH END. ANCHOR TRACKS TO CMU WALLS WITH 2#12 MASONRY SCREWS AT 16" ON CENTER AND ATTACH STUDS TO TRACKS WITH #12 SCREW INTO EACH FLANGE (TOP AND BOTTOM). FOR ADDITIONAL INFORMATION, SEE ARCHITECTURAL DRAWINGS.
- "BP" INDICATES BEAM BEARING PLATE, SEE TYPICAL DETAILS ON S1.3.
- PRE-MANUFACTURED WALKWAY/CANOPY/SUNSHADE, PROVIDE 16" DEEP BOND BEAM AS REQUIRED FOR SYSTEM ANCHORAGE. 16" DEEP BOND BEAM IS TO BE CONSTRUCTED OF (2) 8" DEEP FORM BLOCKS WITH 2#5 CONTINUOUS. FOR ADDITIONAL INFORMATION, SEE ARCHITECTURAL DRAWINGS. CONNECTIONS TO BUILDING BY SYSTEM MANUFACTURER, CONTRACTOR COORDINATE. DO NOT ANCHOR SYSTEM TO VENEER. ANCHOR SYSTEM INTO LOAD BEARING MASONRY WALL WITH THREADED RODS IN PIPE SLEEVES.



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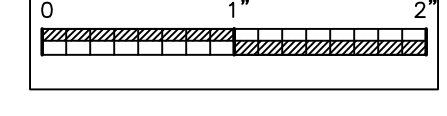
SHEET TITLE:
 PARTIAL ROOF
 FRAMING PLAN -
 AREA A

PROJ. MGR.:	HCW
DRAWN:	ABS
DATE:	6/24/2024
REVISIONS:	

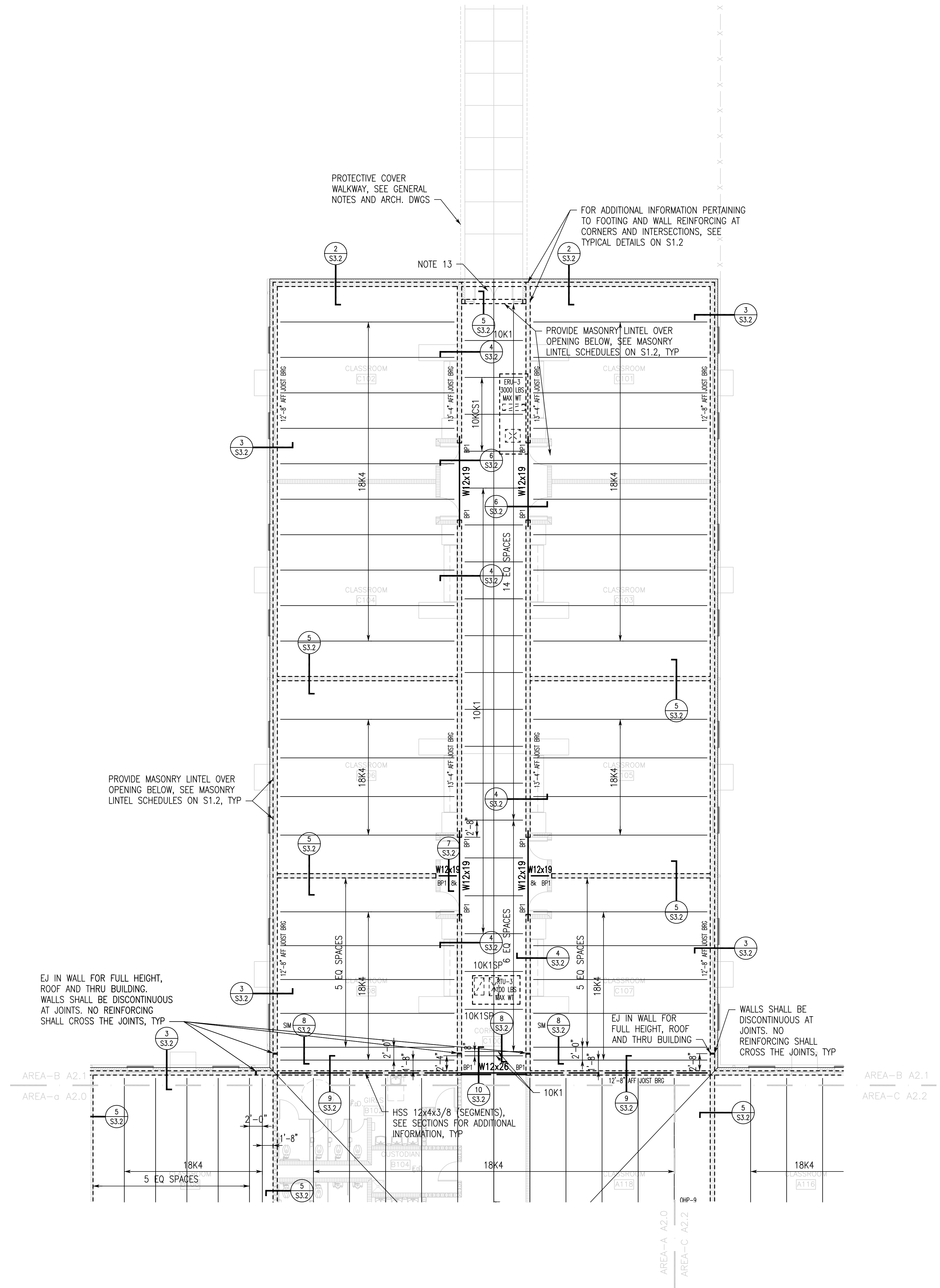
JOB NO. 24-38

SHEET NO.

S2.3
 10 OF 16



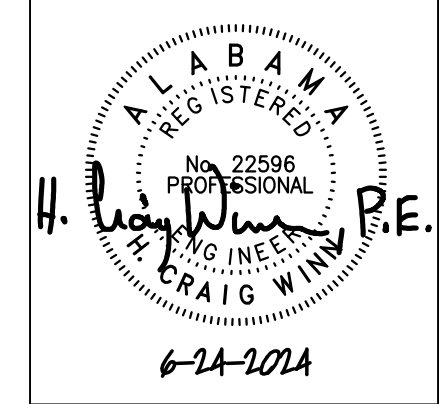
ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORKK, AL 36925
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PARTIAL ROOF FRAMING PLAN - AREA B

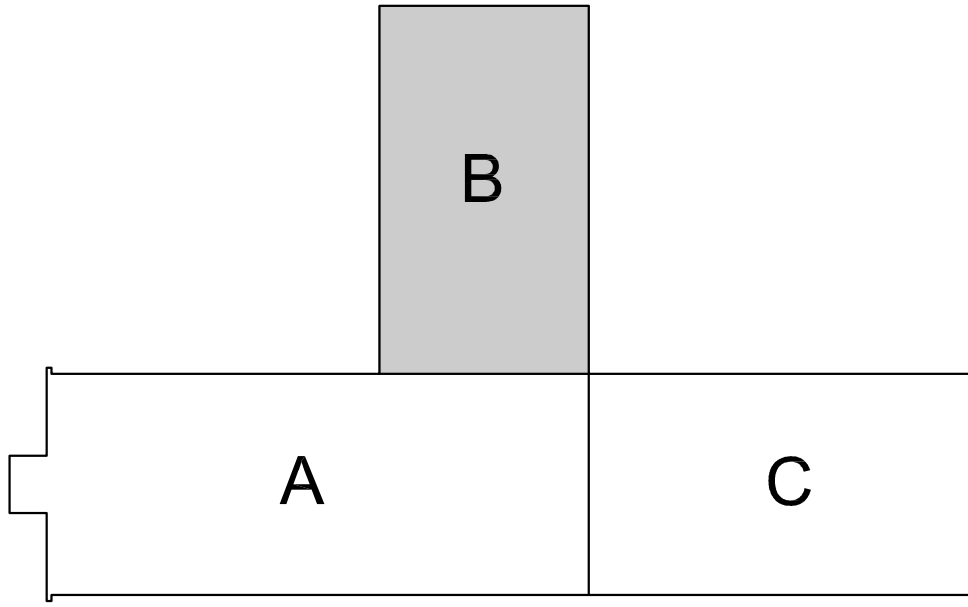
1/8"=1'-0"

- TOP OF STEEL (JOIST BEARING) ELEVATION 177.15' FFE, SEE PLAN AND/OR SECTIONS.
- ROOF SYSTEM: 1 1/2" STEEL ROOF DECK, 20 GAGE, ON STEEL JOISTS AT 6'-0" MAXIMUM ON CENTER (UNLESS NOTED OTHERWISE), SEE GENERAL NOTES. ANCHOR METAL DECK TO JOISTS WITH #12 SCREWS IN 36/4 PATTERN WITH 2#10 SIDELAP SCREWS BETWEEN JOISTS.
- TOP OF STEEL IS EITHER LEVEL OR SLOPING UNIFORMLY BETWEEN NOTED ELEVATIONS.
- SPACE STEEL JOISTS EQUALLY BETWEEN FACE OF WALLS, UNLESS NOTED.
- EQUIPMENT LOCATIONS AND WEIGHTS SHOWN ARE APPROXIMATE. THE GENERAL CONTRACTOR SHALL COORDINATE AND VERIFY THE SIZE, WEIGHT AND LOCATION OF ALL MECHANICAL UNITS WITH THE JOIST MANUFACTURER. DO NOT SCALE FROM THIS DRAWING. PROVIDE ROOF EQUIPMENT FRAME AT ALL MECHANICAL UNITS. SEE DETAIL ON S1.4.
- HANGER LOCATIONS FOR PIPING LARGER THAN 3 INCHES IN DIAMETER MUST BE COORDINATED BY THE GENERAL CONTRACTOR WITH THE JOIST MANUFACTURER. FOR PIPING WEIGHTS, SEE TYPICAL DETAILS ON S1.3.
- AT JOISTS DESIGNATED "SP", JOIST MANUFACTURER SHALL DESIGN JOISTS FOR 25 PSF DEAD LOAD AND 20 PSF LIVE LOAD PLUS ANY ADDITIONAL LOADS SHOWN ON PLANS, NOTED IN PLAN NOTES, AND/OR SHOWN/NOTED IN SECTIONS. LIMIT DEAD LOAD DEFLECTION OF JOISTS TO 0.75".
- PROVIDE MASONRY AND VENEER LINTELS AT ALL OPENINGS, SEE SCHEDULE ON S1.2.
- AT K-SERIES, PROVIDE 3 1/2" JOIST SEAT DEPTHS TYPICAL, UNLESS NOTED.
- CONTRACTOR NOTE: ALL MECHANICAL OPENING SIZES AND LOCATIONS IN LOAD BEARING MASONRY WALL SHOULD BE COORDINATED BY THE CONTRACTOR AND INDICATED ON THE MASONRY WALL REINFORCING SHOP DRAWINGS.
- CONTRACTOR COORDINATE ALL HANGER LOADS AND LOCATIONS WITH JOIST MANUFACTURER.
- CONTRACTOR COORDINATE STEEL JOIST LAYOUT BASED ON REQUIRED EQUIPMENT LOCATIONS AND ORIENTATIONS AS WELL AS DUCT ROUTING.
- FOR SOFFIT FRAMING, PROVIDE 6"x18 GAUGE METAL STUDS AT 16" ON CENTER. EXTEND STUDS TO ATTACH TO CMU WALLS WITH METAL STUD TRACK AT EACH END. ANCHOR TRACKS TO CMU WALLS WITH 2#12 MASONRY SCREWS AT 16" ON CENTER AND ATTACH STUDS TO TRACKS WITH #12 SCREW INTO EACH FLANGE (TOP AND BOTTOM). FOR ADDITIONAL INFORMATION, SEE ARCHITECTURAL DRAWINGS.
- "BP" INDICATES BEAM BEARING PLATE, SEE TYPICAL DETAILS ON S1.3.
- PRE-MANUFACTURED WALKWAY/CANOPY/SUNSHADE, PROVIDE 16" DEEP BOND BEAM AS REQUIRED FOR SYSTEM ANCHORAGE. 16" DEEP BOND BEAM IS TO BE CONSTRUCTED OF (2) 8" DEEP FORM BLOCKS WITH 2#5 CONTINUOUS. FOR ADDITIONAL INFORMATION, SEE ARCHITECTURAL DRAWINGS. CONNECTIONS TO BUILDING BY SYSTEM MANUFACTURER, CONTRACTOR COORDINATE. DO NOT ANCHOR SYSTEM TO VENEER. ANCHOR SYSTEM INTO LOAD BEARING MASONRY WALL WITH THREADED RODS IN PIPE SLEEVES.



SHEET TITLE:
PARTIAL ROOF FRAMING PLAN - AREA B

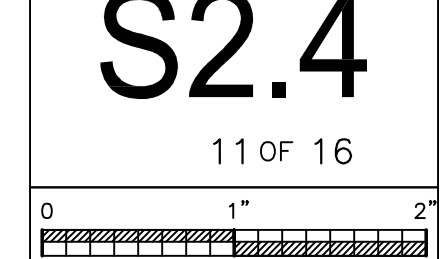
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DRAWN:	ABS
DATE:	6/24/2024
REVISIONS:	

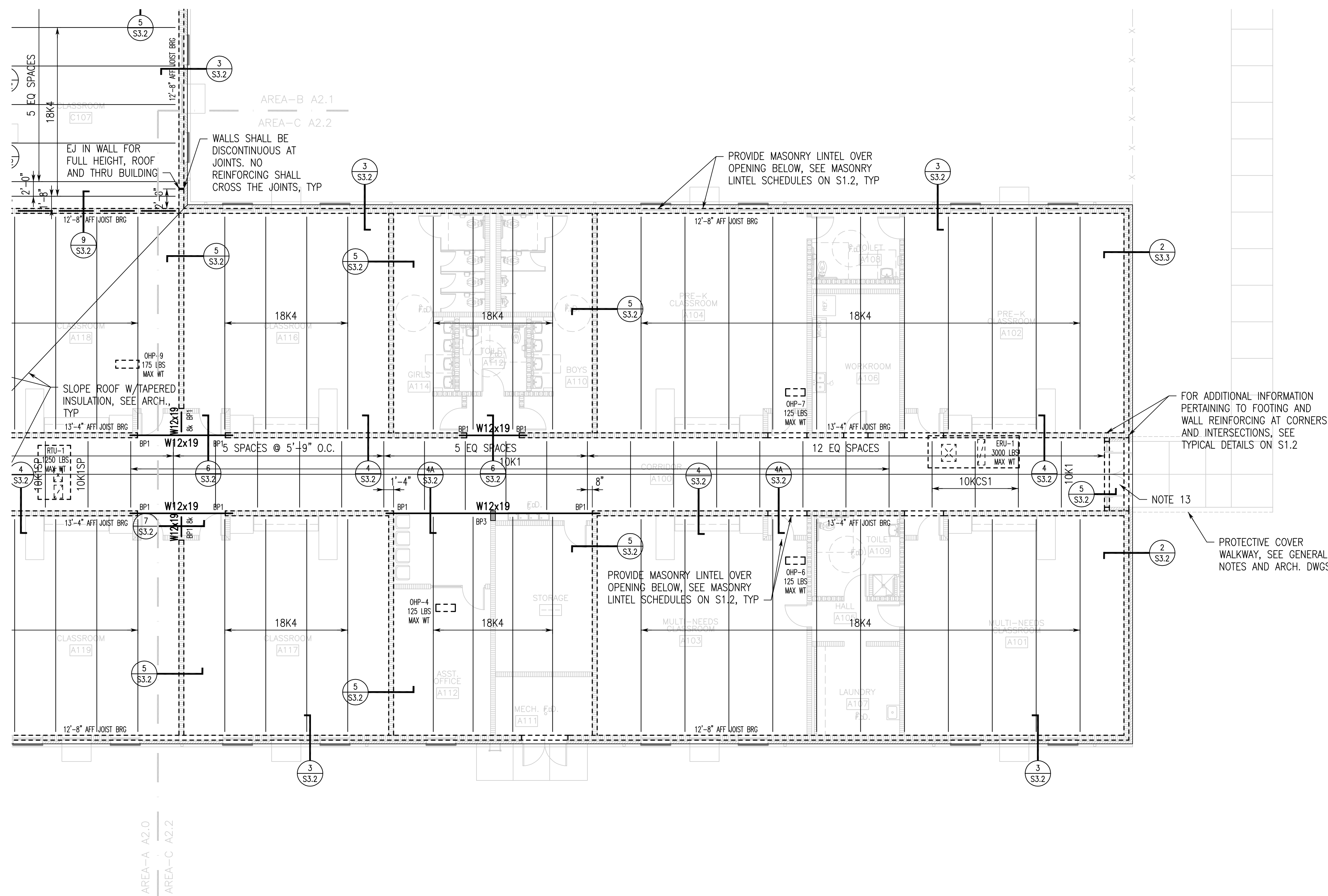


PROJECT NORTH
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JOB NO. **24-38**

SHEET NO. **S2.4**

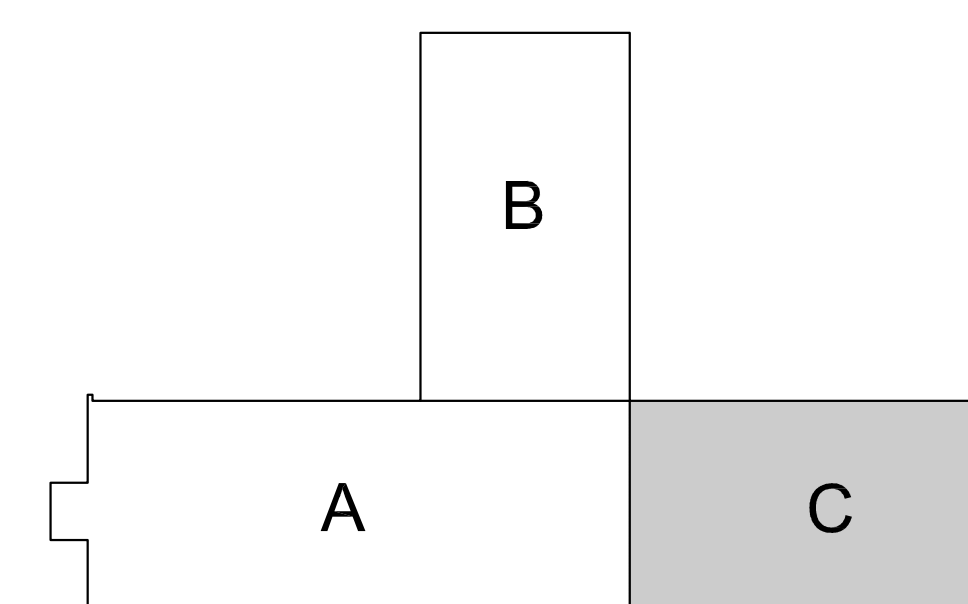




PARTIAL ROOF FRAMING PLAN - AREA C

1/8"=1'-0"

- TOP OF STEEL (JOIST BEARING) ELEVATION 177.15' FFE, SEE PLAN AND/OR SECTIONS.
- ROOF SYSTEM: 1 1/2" STEEL ROOF DECK, 20 GAGE, ON STEEL JOISTS AT 6'-0" MAXIMUM ON CENTER (UNLESS NOTED OTHERWISE), SEE GENERAL NOTES. ANCHOR METAL DECK TO JOISTS WITH #12 SCREWS IN 36/4 PATTERN WITH 2#10 SIDELAP SCREWS BETWEEN JOISTS.
- TOP OF STEEL IS EITHER LEVEL OR SLOPING UNIFORMLY BETWEEN NOTED ELEVATIONS.
- SPACE STEEL JOISTS EQUALLY BETWEEN FACE OF WALLS, UNLESS NOTED.
- EQUIPMENT LOCATIONS AND WEIGHTS SHOWN ARE APPROXIMATE. THE GENERAL CONTRACTOR SHALL COORDINATE AND VERIFY THE SIZE, WEIGHT AND LOCATION OF ALL MECHANICAL UNITS WITH THE JOIST MANUFACTURER. DO NOT SCALE FROM THIS DRAWING. PROVIDE ROOF EQUIPMENT FRAME AT ALL MECHANICAL UNITS. SEE DETAIL ON S1.4.
- HANGER LOCATIONS FOR PIPING LARGER THAN 3 INCHES IN DIAMETER MUST BE COORDINATED BY THE GENERAL CONTRACTOR WITH THE JOIST MANUFACTURER. FOR PIPING WEIGHTS, SEE TYPICAL DETAILS ON S1.3.
- AT JOISTS DESIGNATED "SP", JOIST MANUFACTURER SHALL DESIGN JOISTS FOR 25 PSF DEAD LOAD AND 20 PSF LIVE LOAD PLUS ANY ADDITIONAL LOADS SHOWN ON PLANS, NOTED IN PLAN NOTES, AND/OR SHOWN/NOTED IN SECTIONS. LIMIT DEAD LOAD DEFLECTION OF JOISTS TO 0.75".
- PROVIDE MASONRY AND VENEER LINTELS AT ALL OPENINGS, SEE SCHEDULE ON S1.2.
- AT K-SERIES, PROVIDE 3 1/2" JOIST SEAT DEPTHS TYPICAL, UNLESS NOTED.
- CONTRACTOR NOTE: ALL MECHANICAL OPENING SIZES AND LOCATIONS IN LOAD BEARING MASONRY WALL SHOULD BE COORDINATED BY THE CONTRACTOR AND INDICATED ON THE MASONRY WALL REINFORCING SHOP DRAWINGS.
- CONTRACTOR COORDINATE ALL HANGER LOADS AND LOCATIONS WITH JOIST MANUFACTURER.
- CONTRACTOR COORDINATE STEEL JOIST LAYOUT BASED ON REQUIRED EQUIPMENT LOCATIONS AND ORIENTATIONS AS WELL AS DUCT ROUTING.
- FOR SOFFIT FRAMING, PROVIDE 6"x18 GAUGE METAL STUDS AT 16" ON CENTER. EXTEND STUDS TO ATTACH TO CMU WALLS WITH METAL STUD TRACK AT EACH END. ANCHOR TRACKS TO CMU WALLS WITH 2#12 MASONRY SCREWS AT 16" ON CENTER AND ATTACH STUDS TO TRACKS WITH #12 SCREW INTO EACH FLANGE (TOP AND BOTTOM). FOR ADDITIONAL INFORMATION, SEE ARCHITECTURAL DRAWINGS.
- "BP" INDICATES BEAM BEARING PLATE, SEE TYPICAL DETAILS ON S1.3.
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PROJECT
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KEY PLAN
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ELEMENTARY ADDITION TO
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 13878 US HIGHWAY 11, YORK, AL 36925
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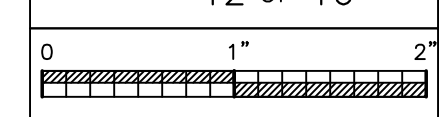
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 PARTIAL ROOF
 FRAMING PLAN -
 AREA C

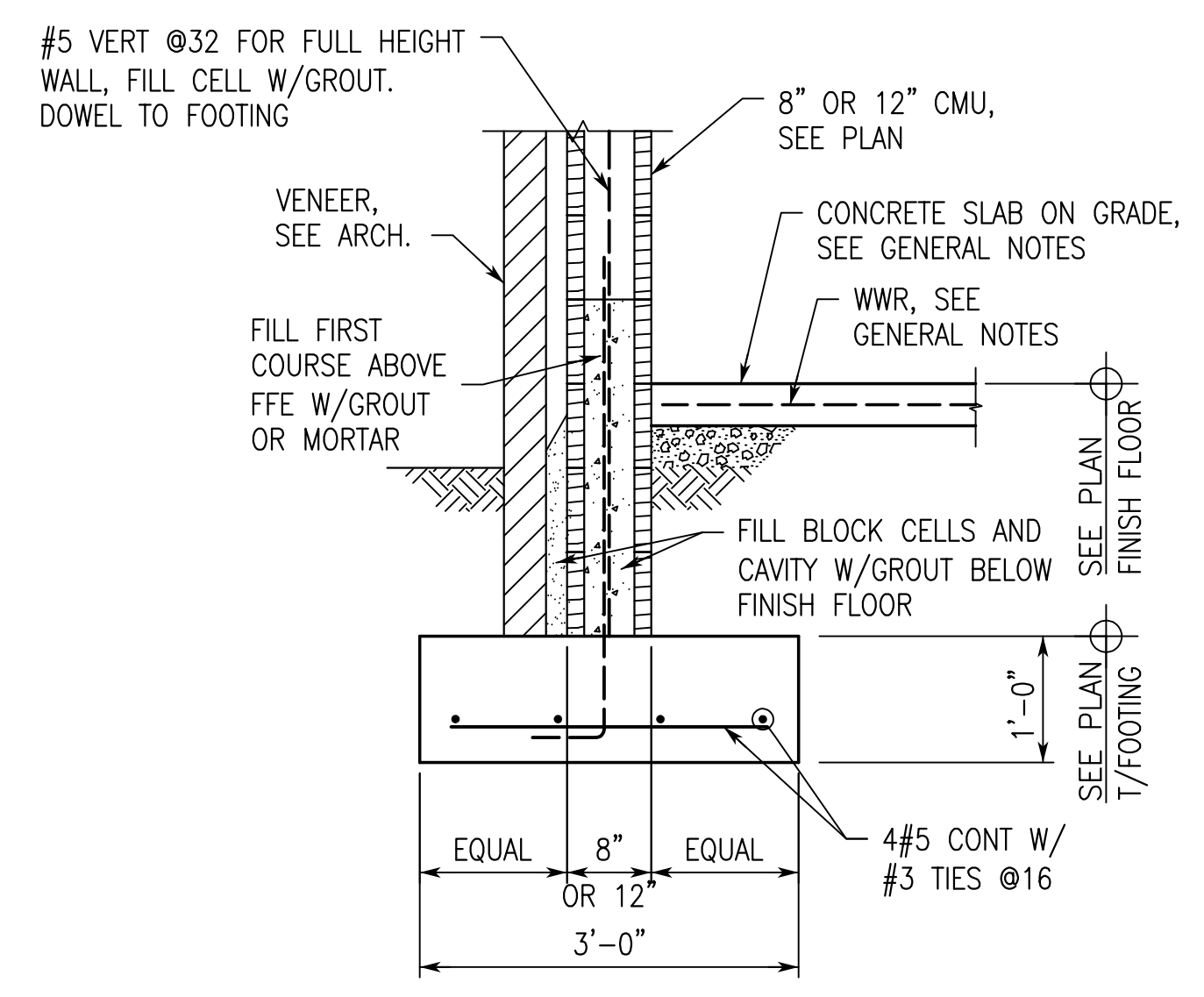
PROJ. MGR.: HCW
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 DATE: 6/24/2024
 REVISIONS:

JOB NO. 24-38

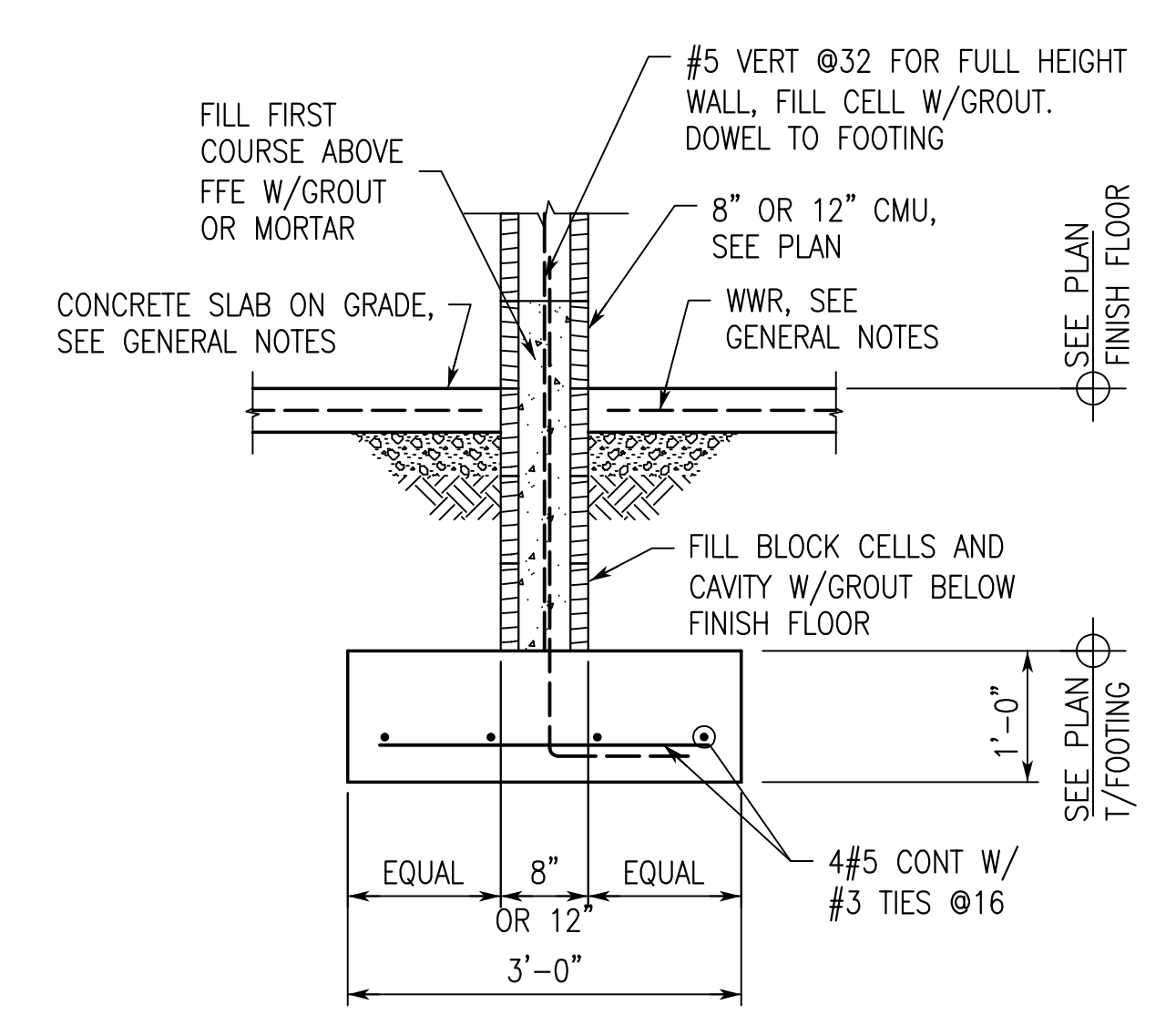
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S2.5
 12 OF 16

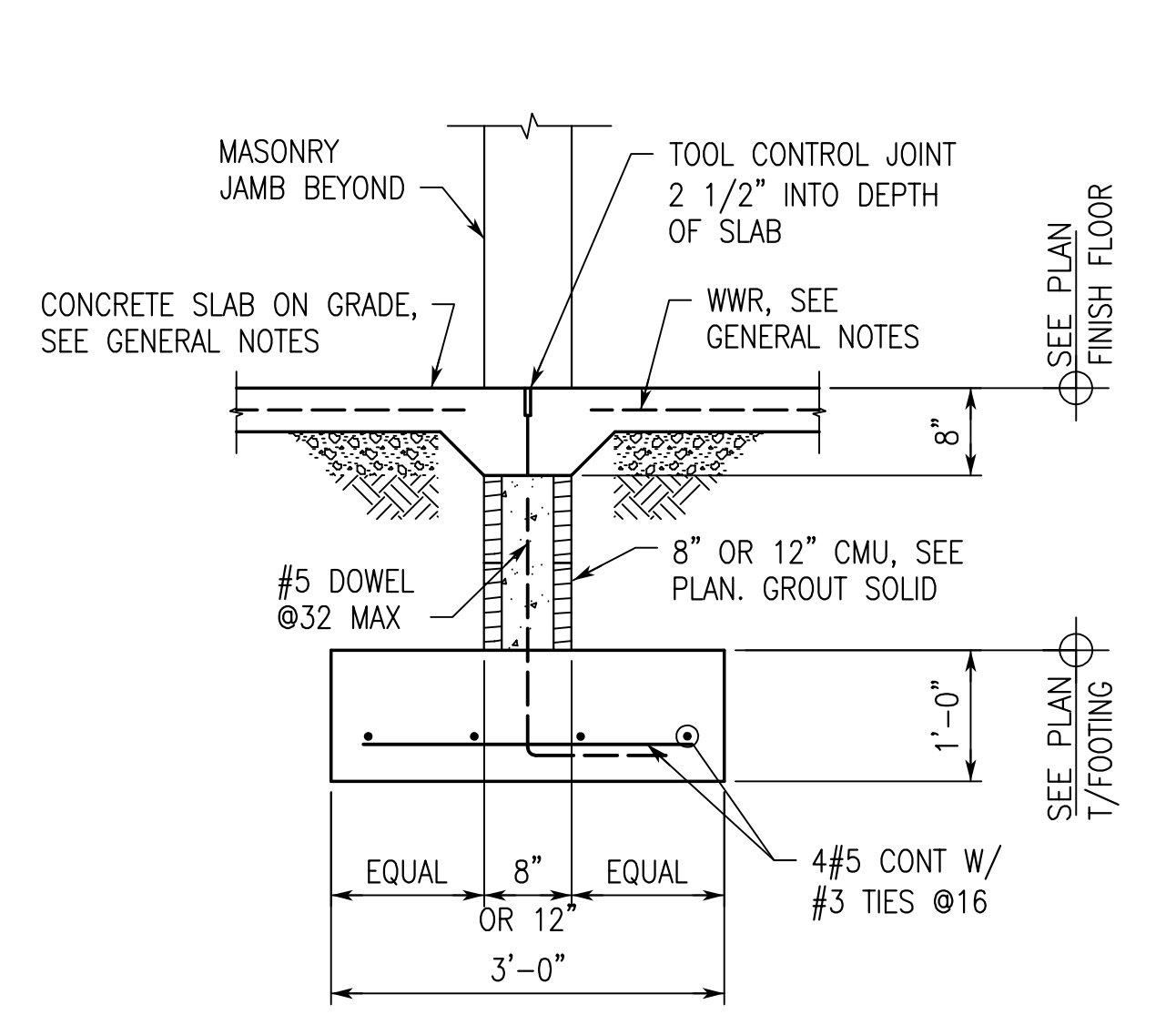




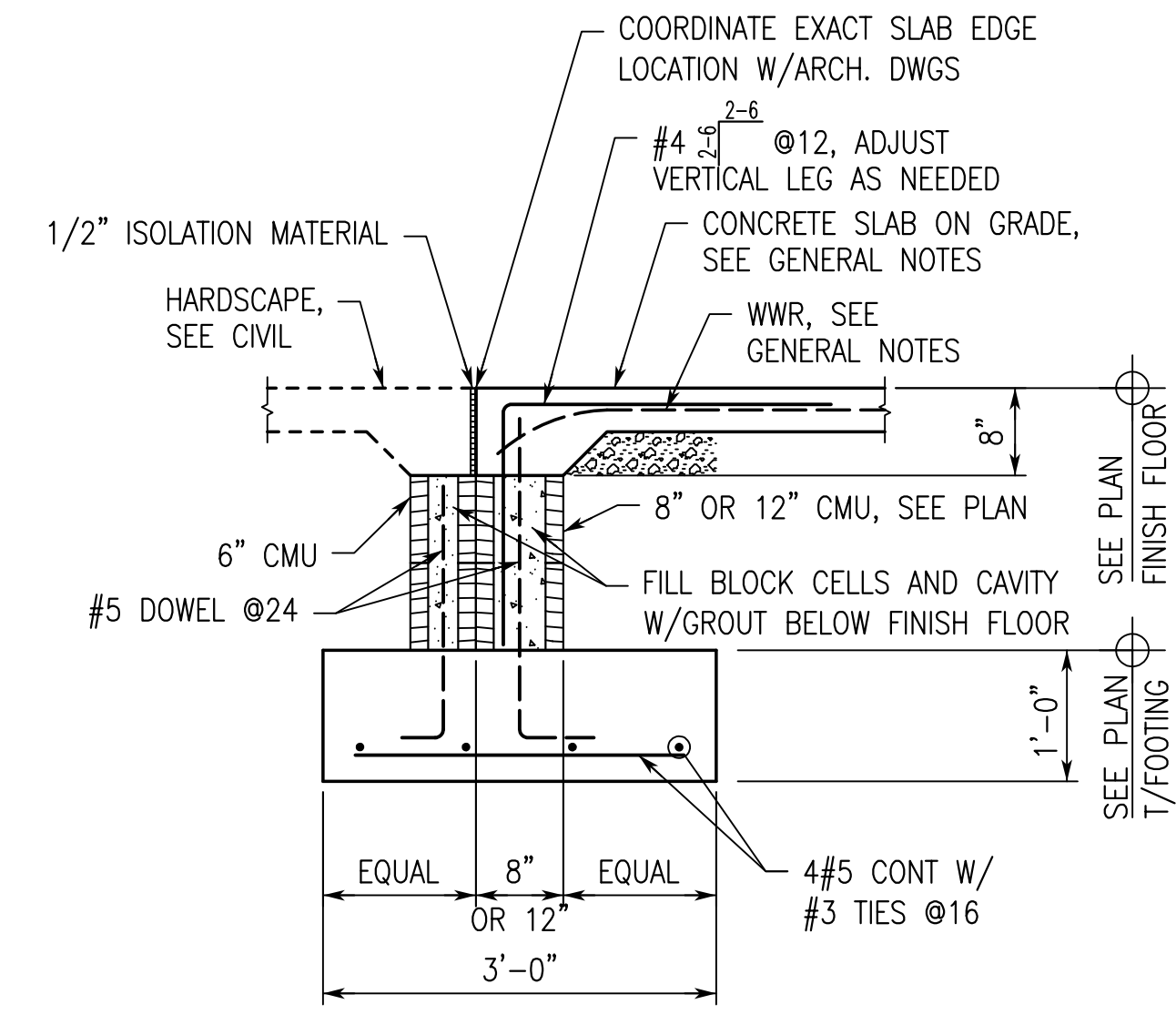
SECTION 1
3/4"=1'-0"
NOTE: WHERE FINISH GRADE ELEVATION (FGE) IS HIGHER THAN FINISH FLOOR ELEVATION (FFE), FILL ALL BLOCK CELLS AND CAVITIES FROM FIRST COURSE ABOVE FGE AND BELOW W/GROUT. FOR FGE, SEE CIVIL.



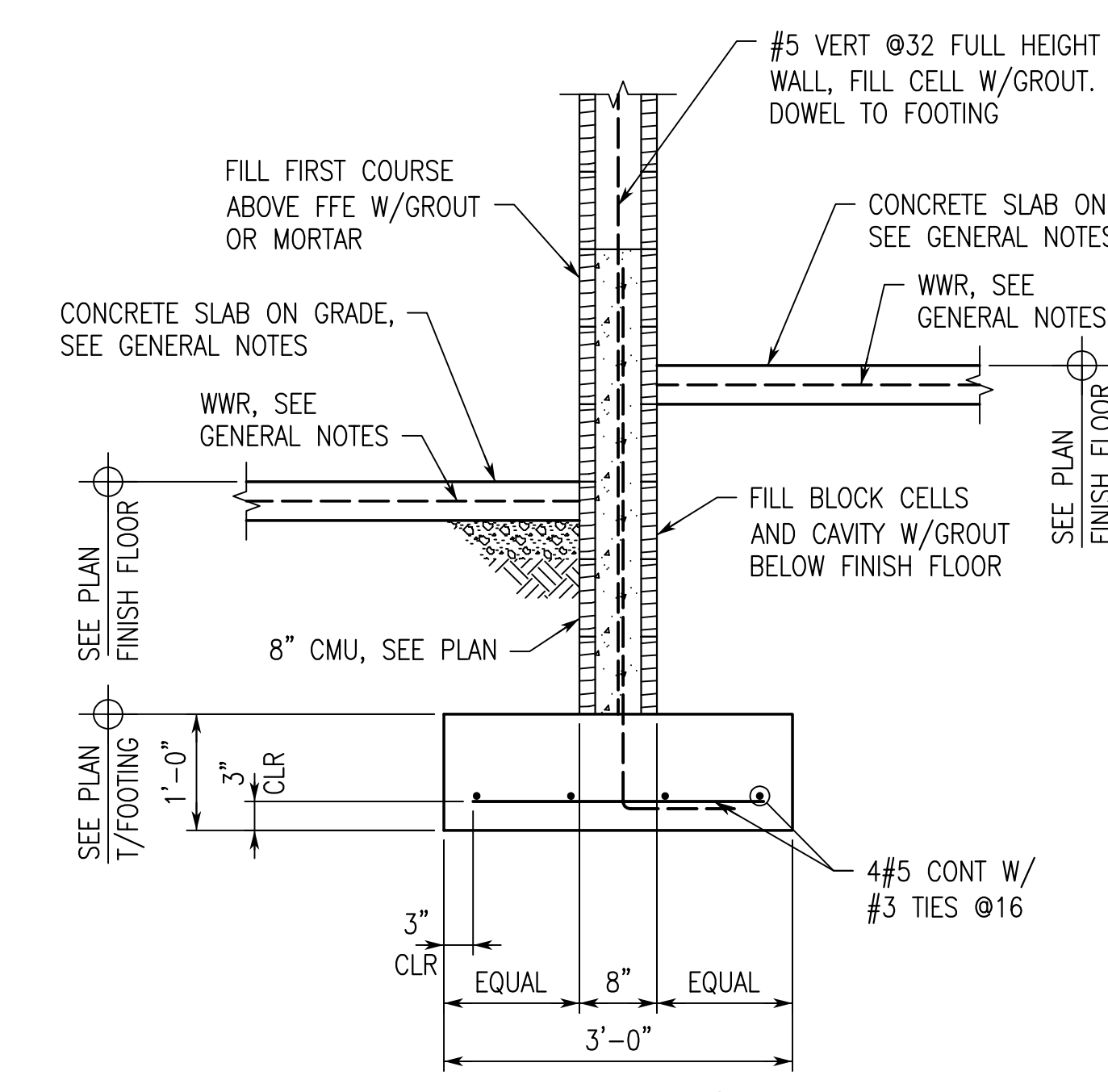
SECTION 2
3/4"=1'-0"
NOTE: WHERE FINISH GRADE ELEVATION (FGE) IS HIGHER THAN FINISH FLOOR ELEVATION (FFE), FILL ALL BLOCK CELLS AND CAVITIES FROM FIRST COURSE ABOVE FGE AND BELOW W/GROUT. FOR FGE, SEE CIVIL.



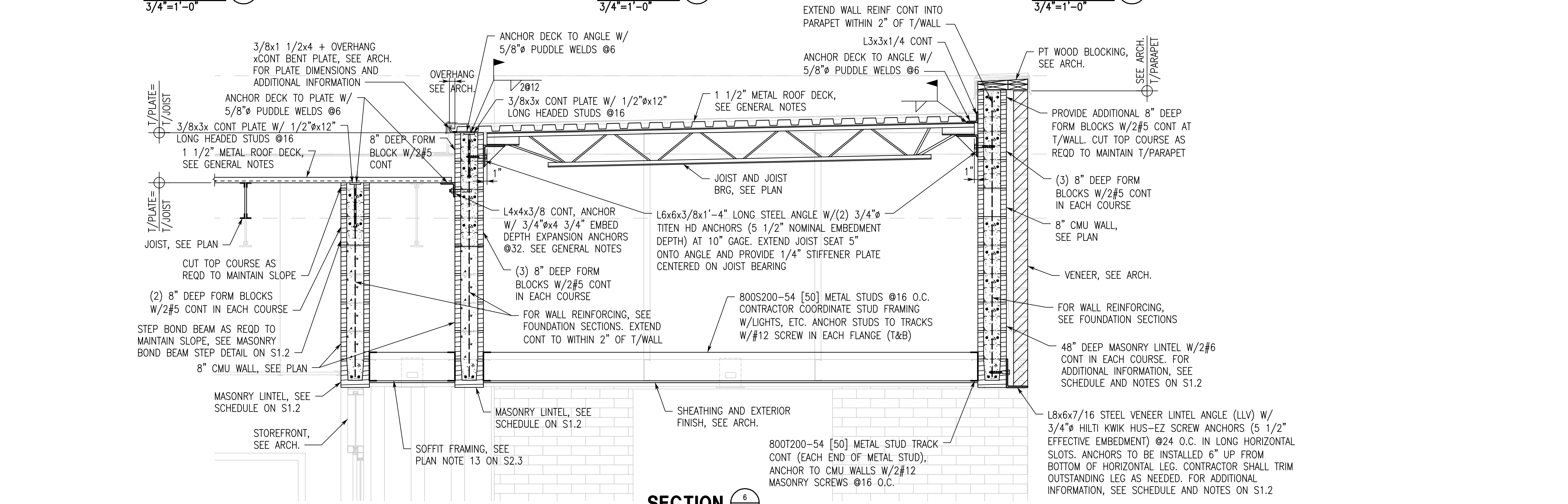
SECTION 3
3/4"=1'-0"
NOTE: WHERE FINISH GRADE ELEVATION (FGE) IS HIGHER THAN FINISH FLOOR ELEVATION (FFE), FILL ALL BLOCK CELLS AND CAVITIES FROM FIRST COURSE ABOVE FGE AND BELOW W/GROUT. FOR FGE, SEE CIVIL.



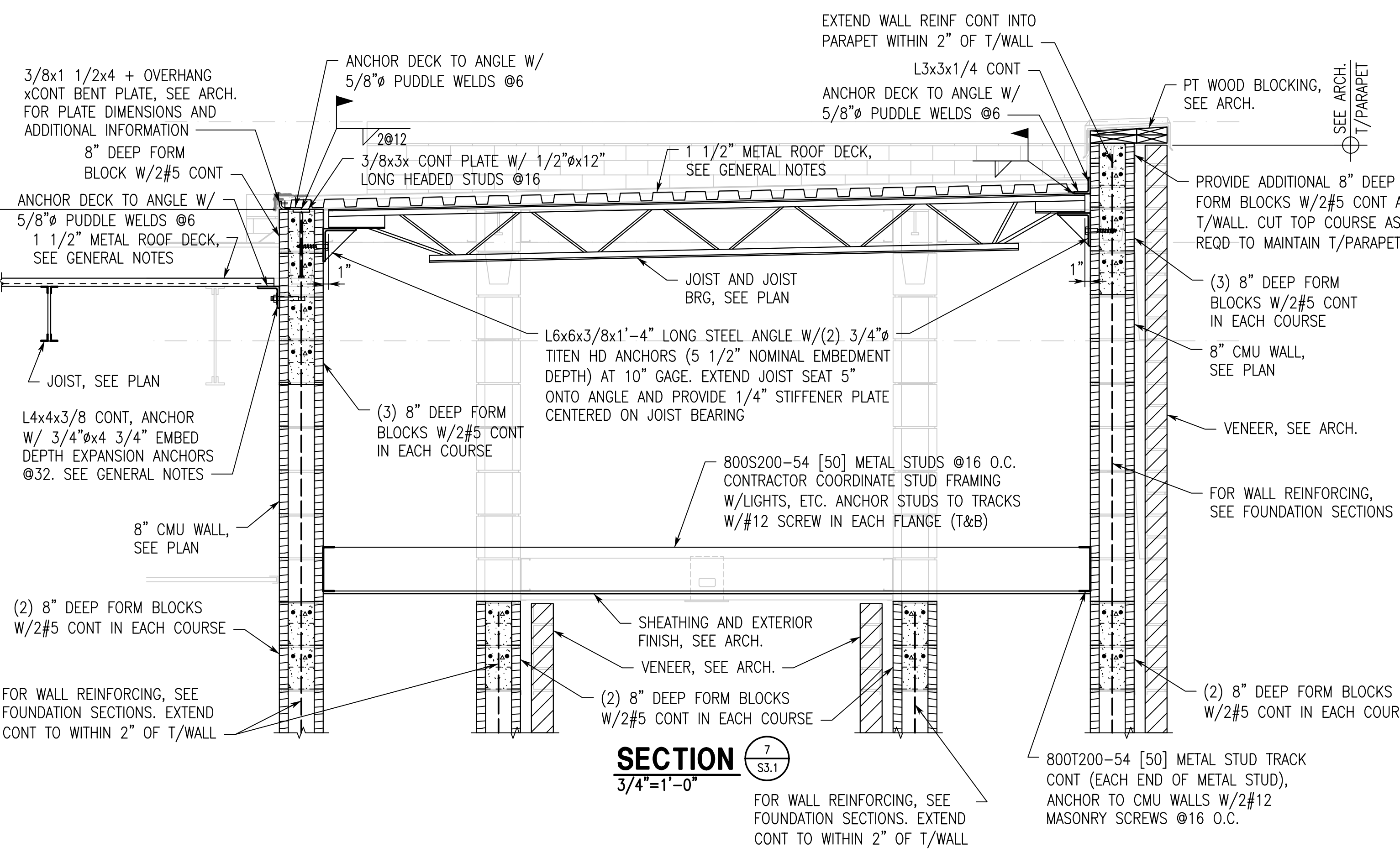
SECTION 4
3/4"=1'-0"
NOTE: WHERE FINISH GRADE ELEVATION (FGE) IS HIGHER THAN FINISH FLOOR ELEVATION (FFE), FILL ALL BLOCK CELLS AND CAVITIES FROM FIRST COURSE ABOVE FGE AND BELOW W/GROUT. FOR FGE, SEE CIVIL.



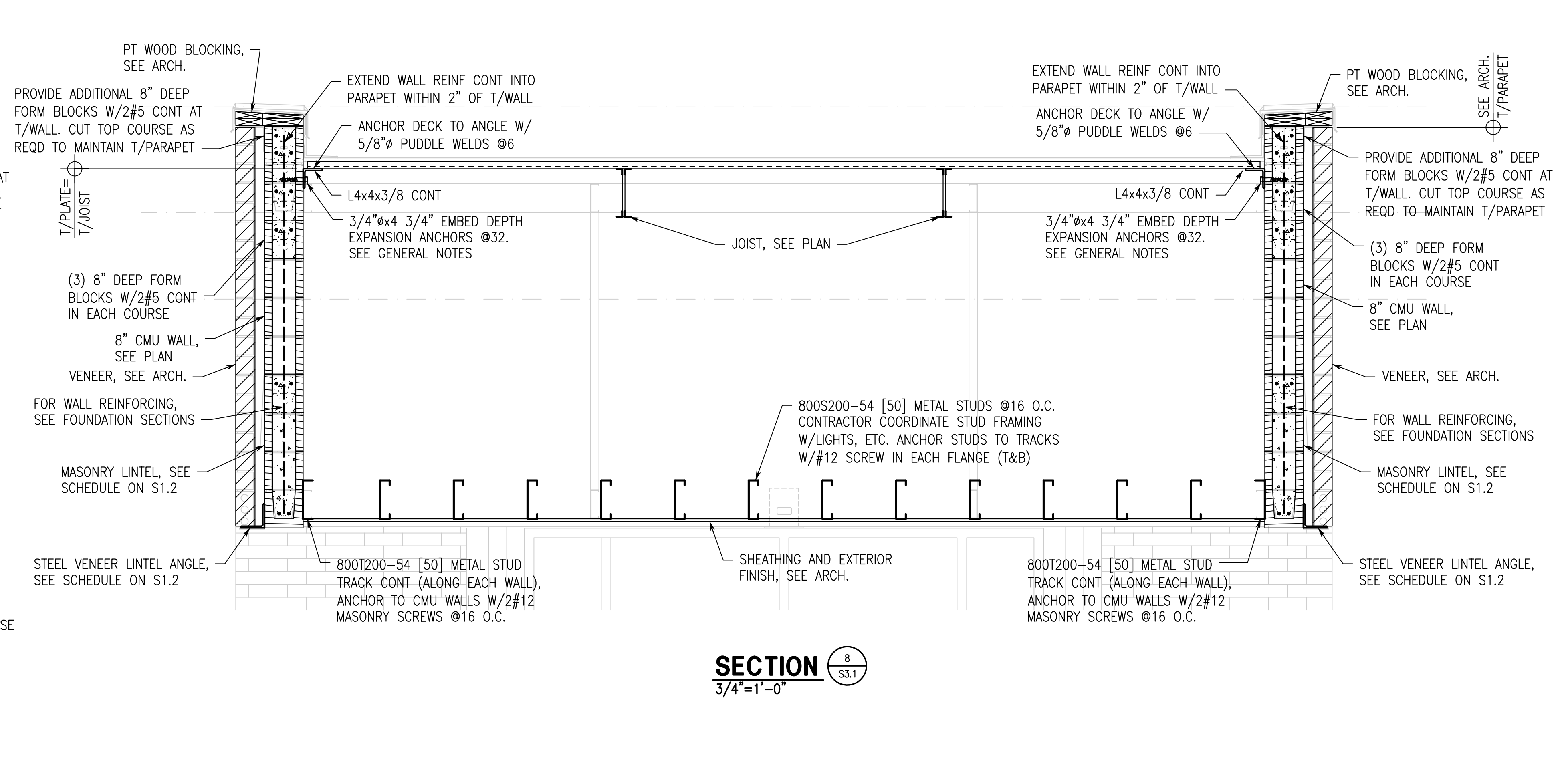
SECTION 5
3/4"=1'-0"
NOTE: AT SIMILAR CONDITION, FINISH FLOOR ELEVATION IN CORRIDOR VARIES DUE TO THE PRESENCE OF A RAMP.



SECTION 6
3/4"=1'-0"
NOTE: AT SIMILAR CONDITION, FINISH FLOOR ELEVATION IN CORRIDOR VARIES DUE TO THE PRESENCE OF A RAMP.

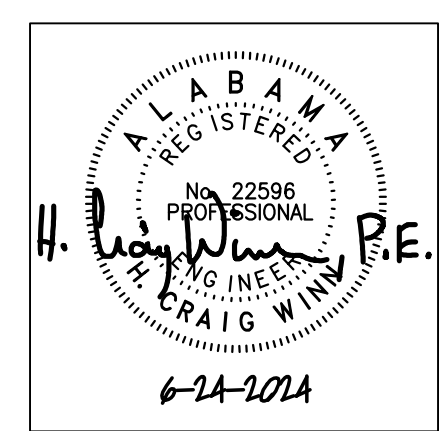


SECTION 7
3/4"=1'-0"
NOTE: AT SIMILAR CONDITION, FINISH FLOOR ELEVATION IN CORRIDOR VARIES DUE TO THE PRESENCE OF A RAMP.



SECTION 8
3/4"=1'-0"
NOTE: AT SIMILAR CONDITION, FINISH FLOOR ELEVATION IN CORRIDOR VARIES DUE TO THE PRESENCE OF A RAMP.

ELEMENTARY ADDITION TO
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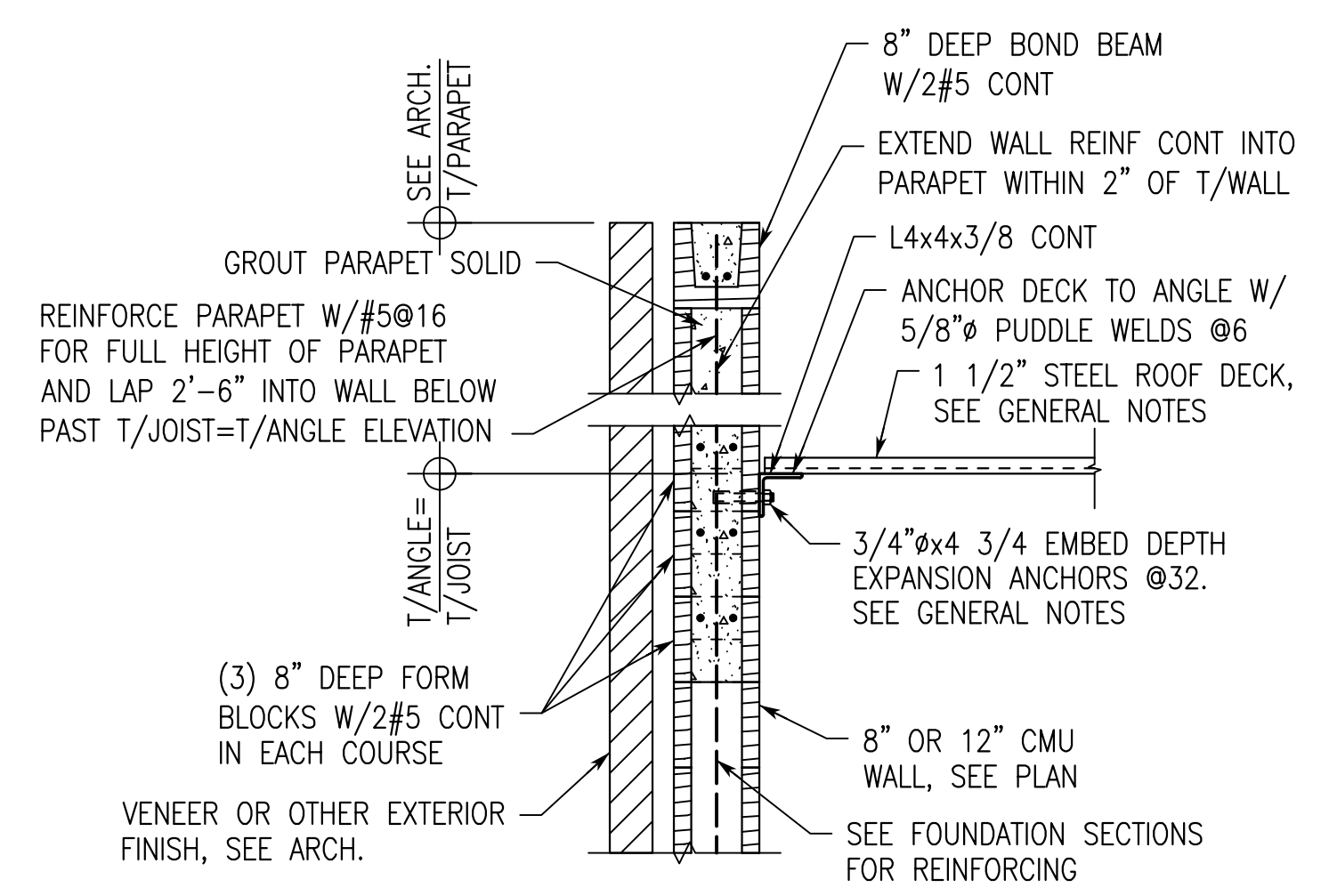
SHEET TITLE:
SECTIONS AND DETAILS

PROJ. MGR.: HCV
DRAWN: ABS
DATE: 6/24/2024
REVISIONS:

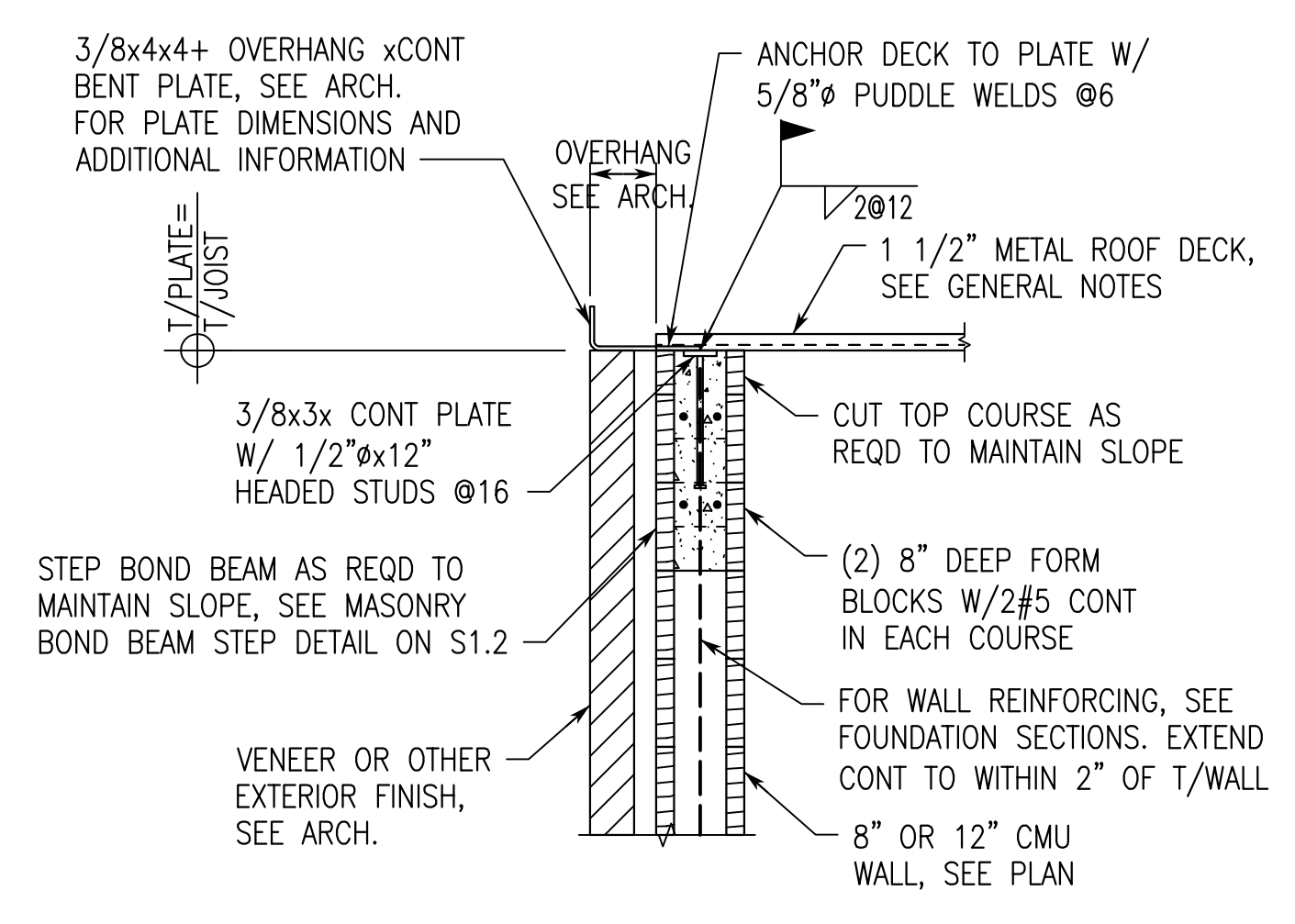
JOB NO. **24-38**

SHEET NO. **S3.1**

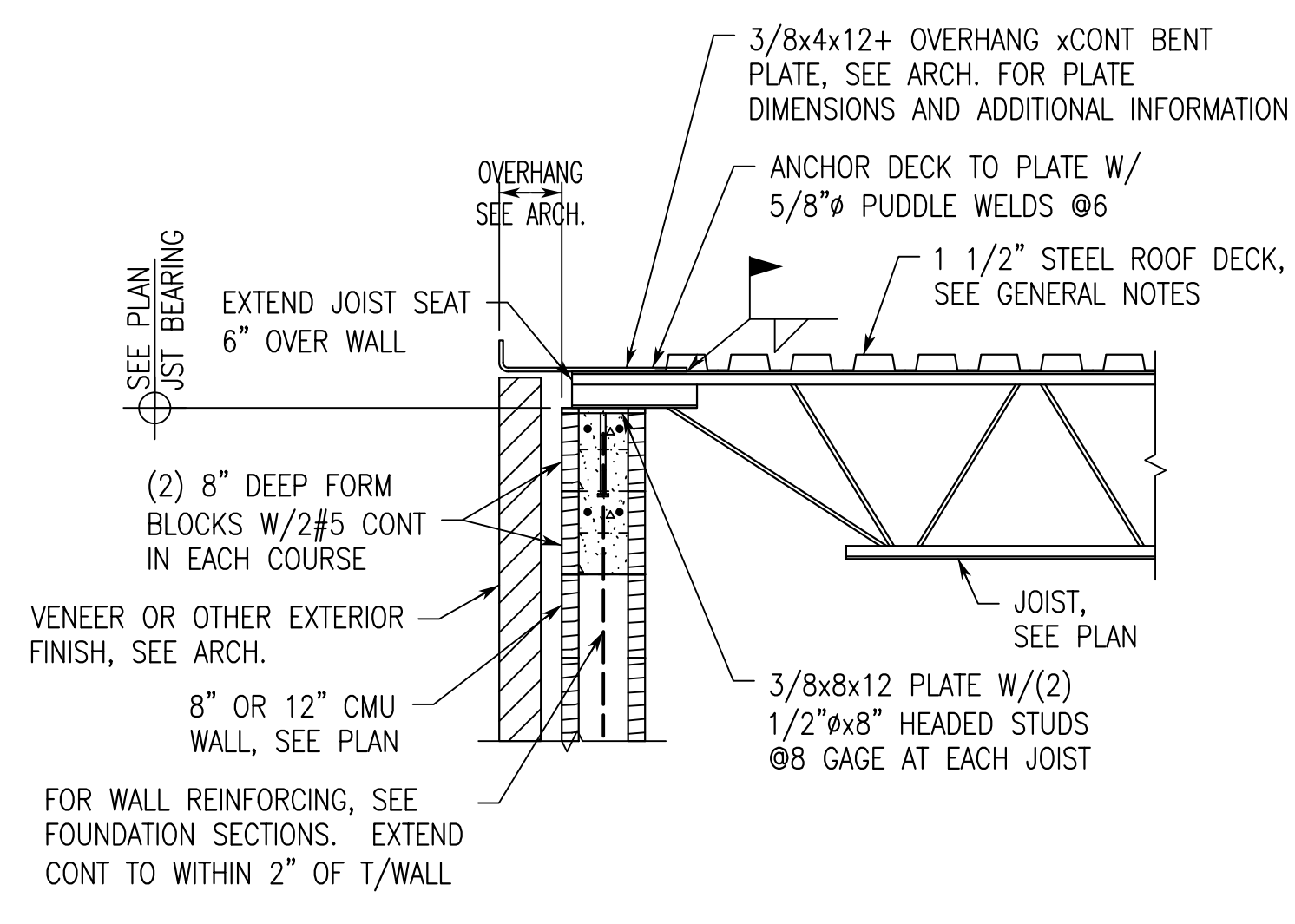
13 OF 16



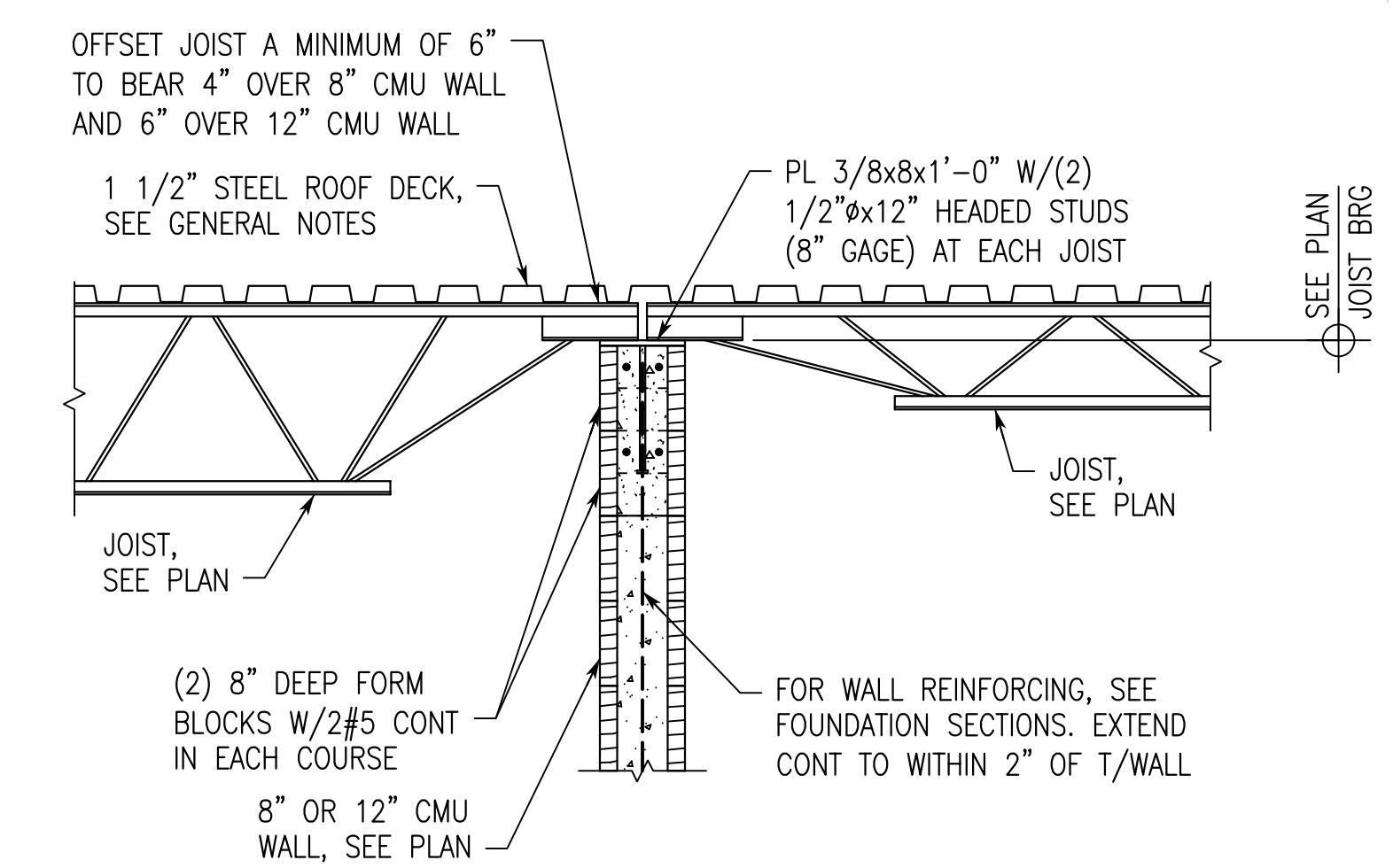
SECTION 1
3/4"=1'-0"



SECTION 2
3/4"=1'-0"

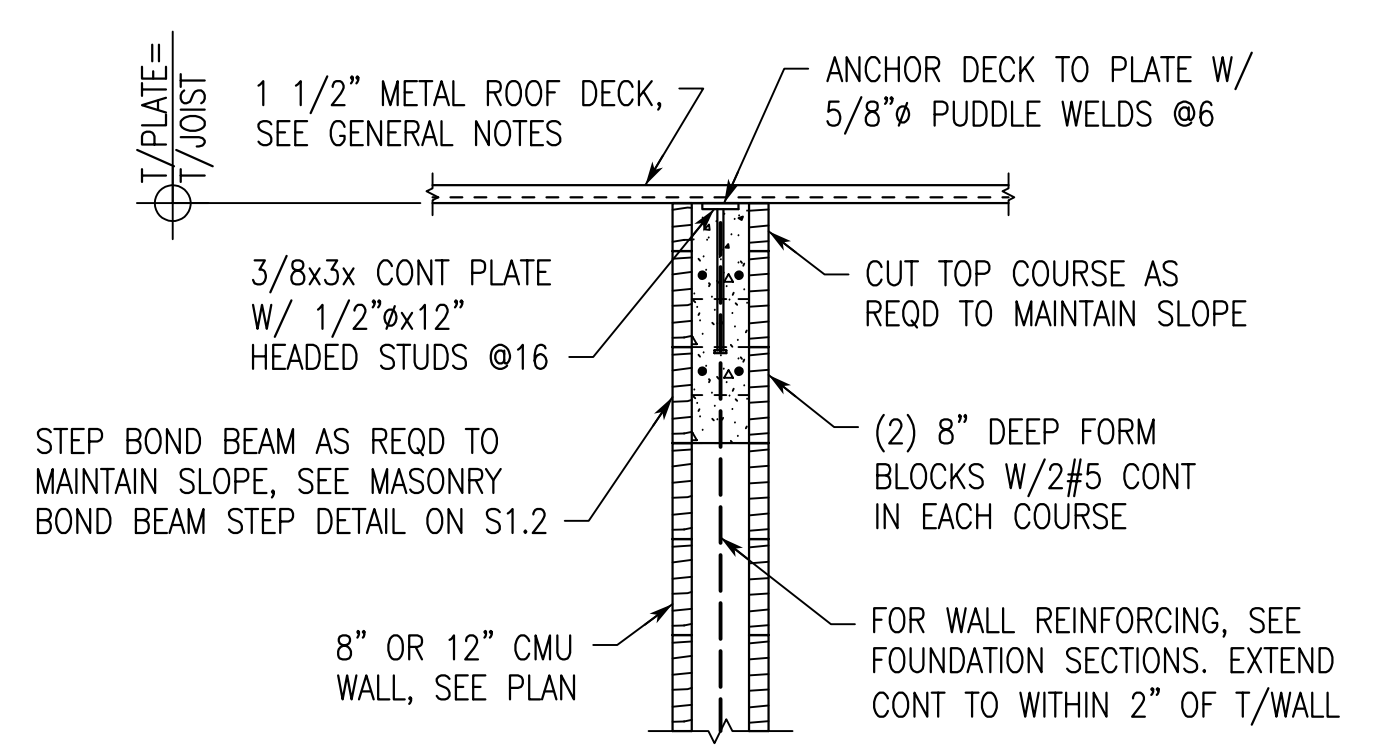


SECTION 3
3/4"=1'-0"

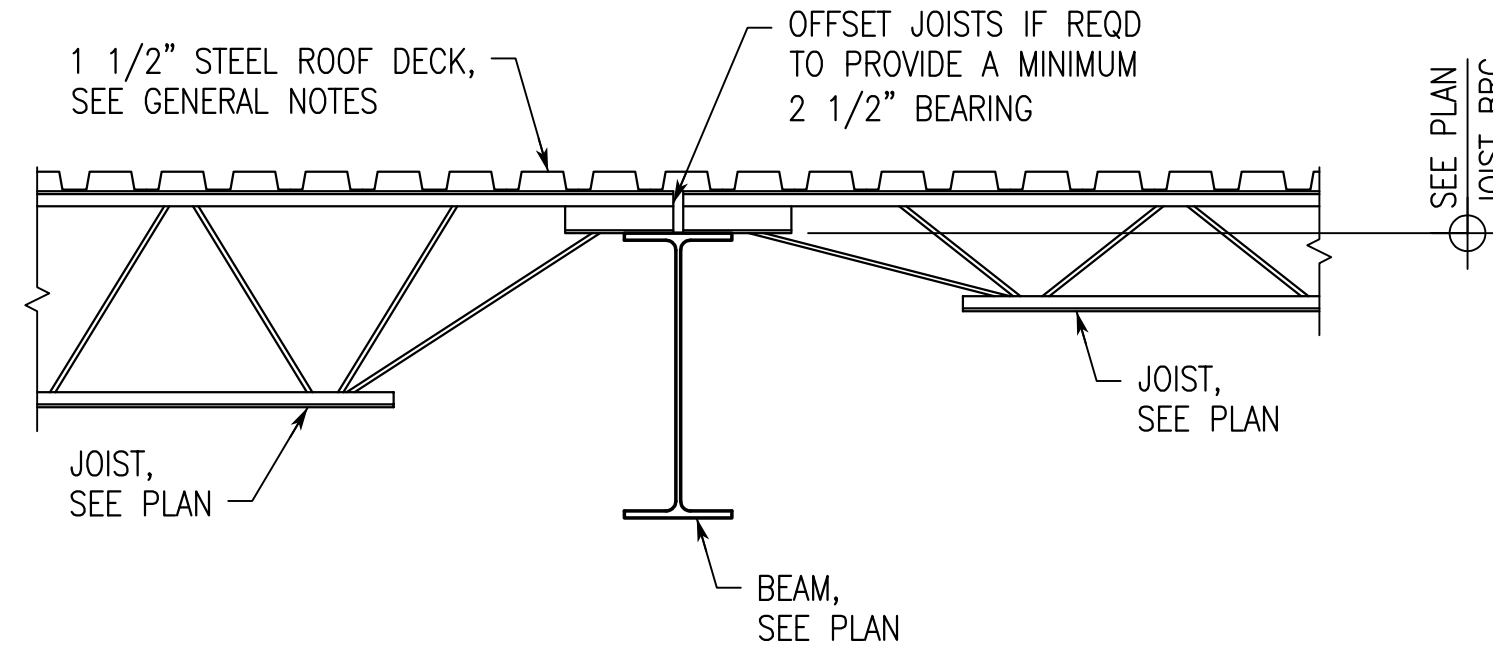


SECTION 4
3/4"=1'-0"

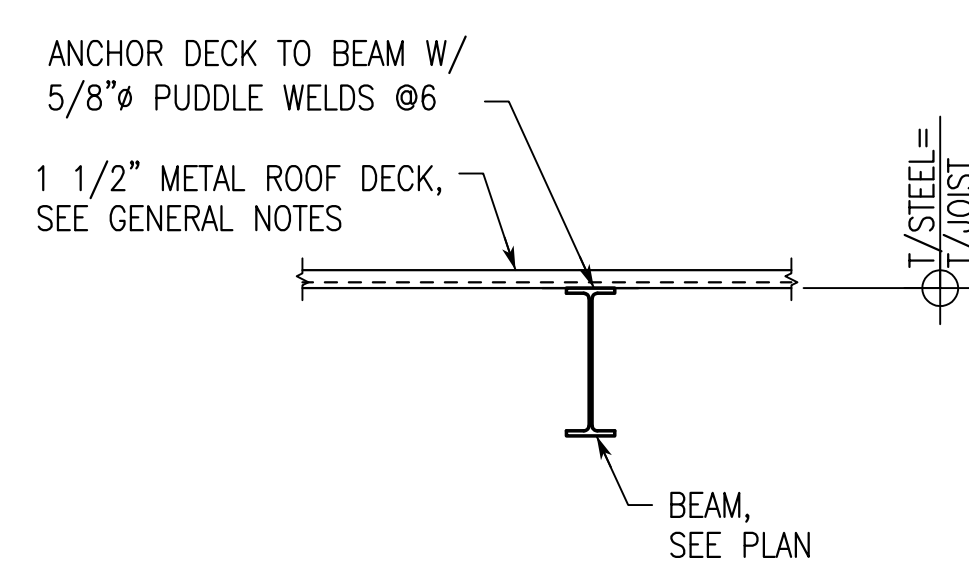
NOTE:
AT SECTION 4A/S3.2, MASONRY LINTEL IS PRESENT OVER OPENING IN CMU WALL BELOW. PROVIDE MINIMUM 24" DEEP MASONRY LINTEL WITH 2#5 CONT IN EACH COURSE AND EXTEND 2'-0" PAST OPENING SIDES. FOR ADDITIONAL INFORMATION, REFER TO MASONRY LINTEL SCHEDULES (AND NOTES) ON S1.2.



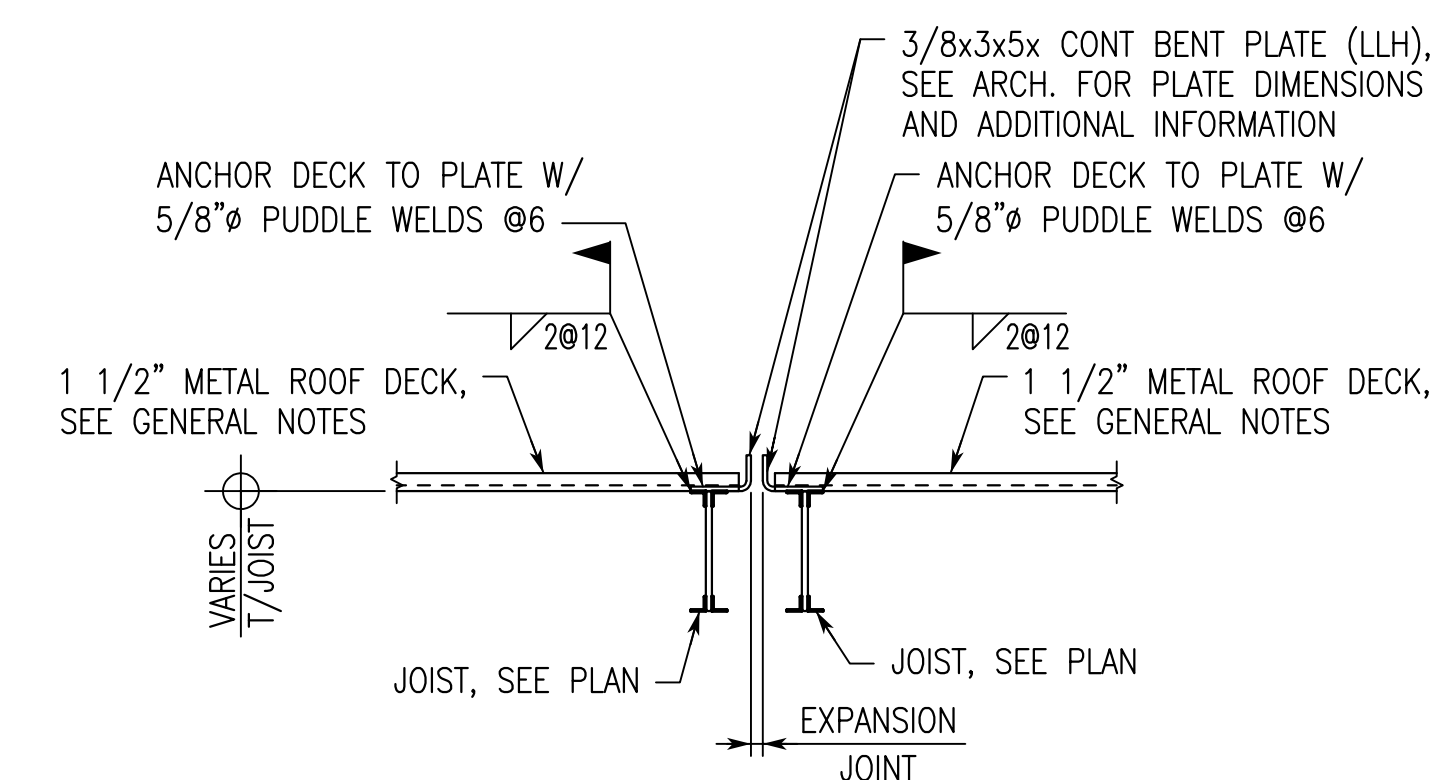
SECTION 5
3/4"=1'-0"



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

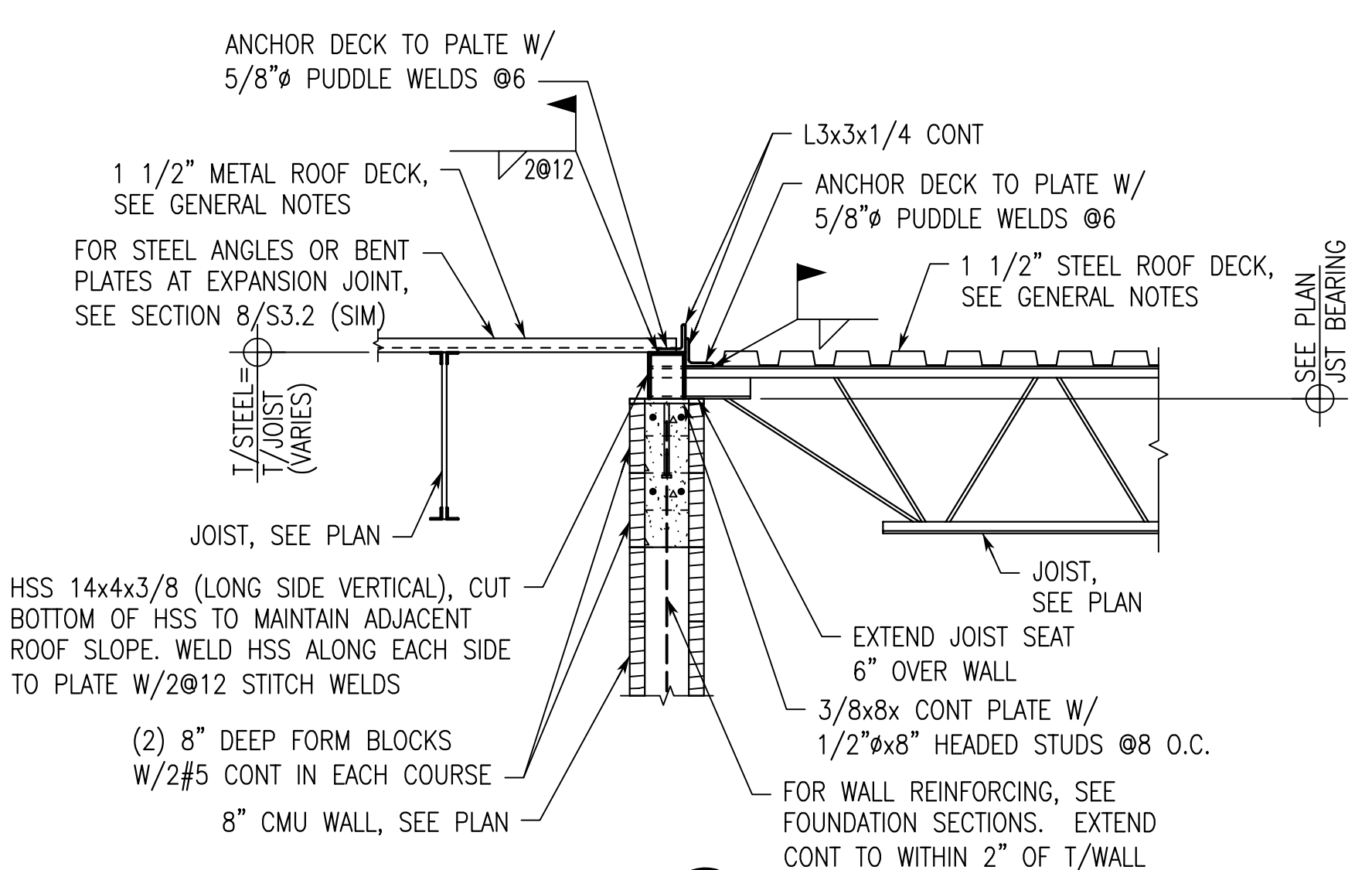


SECTION 7
3/4"=1'-0"



SECTION 8
3/4"=1'-0"

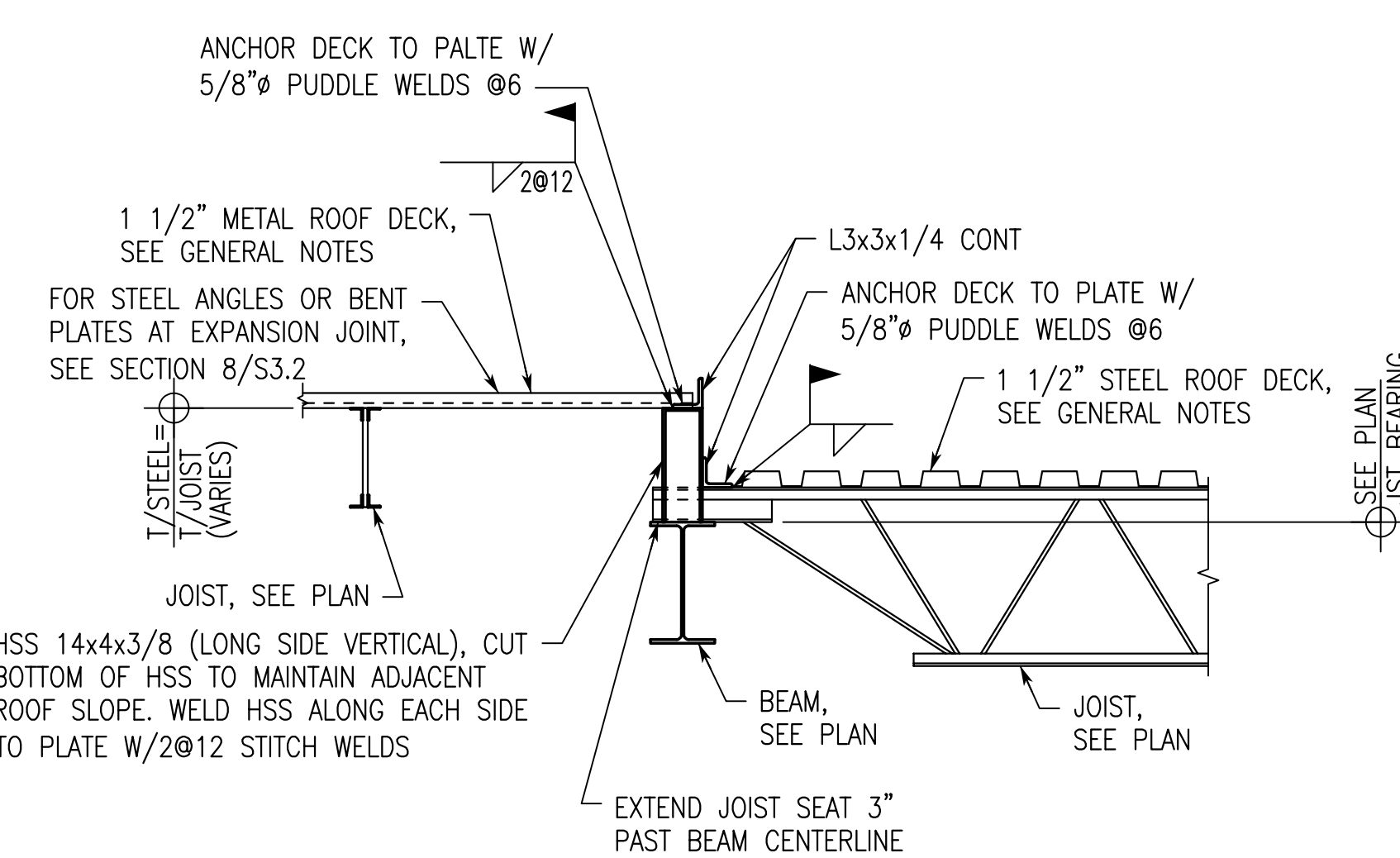
NOTE:
AT SIMILAR CONDITION, CONT BENT PLATE SIZE (EACH SIDE OF EJ) TO BE 3/8x3x1'-2" (LLH) DUE TO INCREASED SPACE BETWEEN ADJACENT STEEL JOISTS. WELDS (EACH SIDE OF EJ) TO BE 2@8 STITCH WELDS IN LIEU OF 2@12 STITCH WELDS.



SECTION 9
3/4"=1'-0"

NOTE:
HSS MEMBERS TO BE CUT SNUG BETWEEN STEEL JOISTS OR STEEL JOIST AND CMU WALL CORNER. PROVIDE 3/8" THICK CLOSURE PLATE AT EACH END TO MAINTAIN SHAPE OF MODIFIED HSS MEMBER.

CONTRACTOR OPTION:
REQUIRED HSS MEMBER HEIGHT VARIES FROM ABOUT 3 1/2" TO 11 1/2". CONTRACTOR MAY CHOOSE TO USE VARYING HSS SIZES... HSS 4x4x3/8 TO HSS 14x4x3/8... AND MODIFY AS NEEDED. CONTRACTOR MAY CHOOSE TO USE WHOLE HSS MEMBER WITH MODIFIED HSS MEMBER TO OBTAIN DESIRED TOTAL HEIGHT. WELD WHOLE HSS TO PLATE ALONG EACH SIDE W/2@12 STITCH WELDS AND WELD MODIFIED HSS TO WHOLE HSS ALONG EACH SIDE W/2@12 STITCH WELDS.

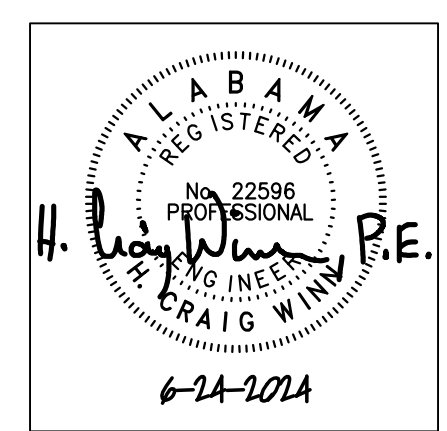


SECTION 10
3/4"=1'-0"

NOTE:
HSS MEMBERS TO BE CUT SNUG BETWEEN STEEL JOISTS OR STEEL JOIST AND CMU WALL CORNER. PROVIDE 3/8" THICK CLOSURE PLATE AT EACH END TO MAINTAIN SHAPE OF MODIFIED HSS MEMBER.

CONTRACTOR OPTION:
REQUIRED HSS MEMBER HEIGHT VARIES FROM ABOUT 3 1/2" TO 11 1/2". CONTRACTOR MAY CHOOSE TO USE VARYING HSS SIZES... HSS 4x4x3/8 TO HSS 14x4x3/8... AND MODIFY AS NEEDED. CONTRACTOR MAY CHOOSE TO USE WHOLE HSS MEMBER WITH MODIFIED HSS MEMBER TO OBTAIN DESIRED TOTAL HEIGHT. WELD WHOLE HSS TO PLATE ALONG EACH SIDE W/2@12 STITCH WELDS AND WELD MODIFIED HSS TO WHOLE HSS ALONG EACH SIDE W/2@12 STITCH WELDS.

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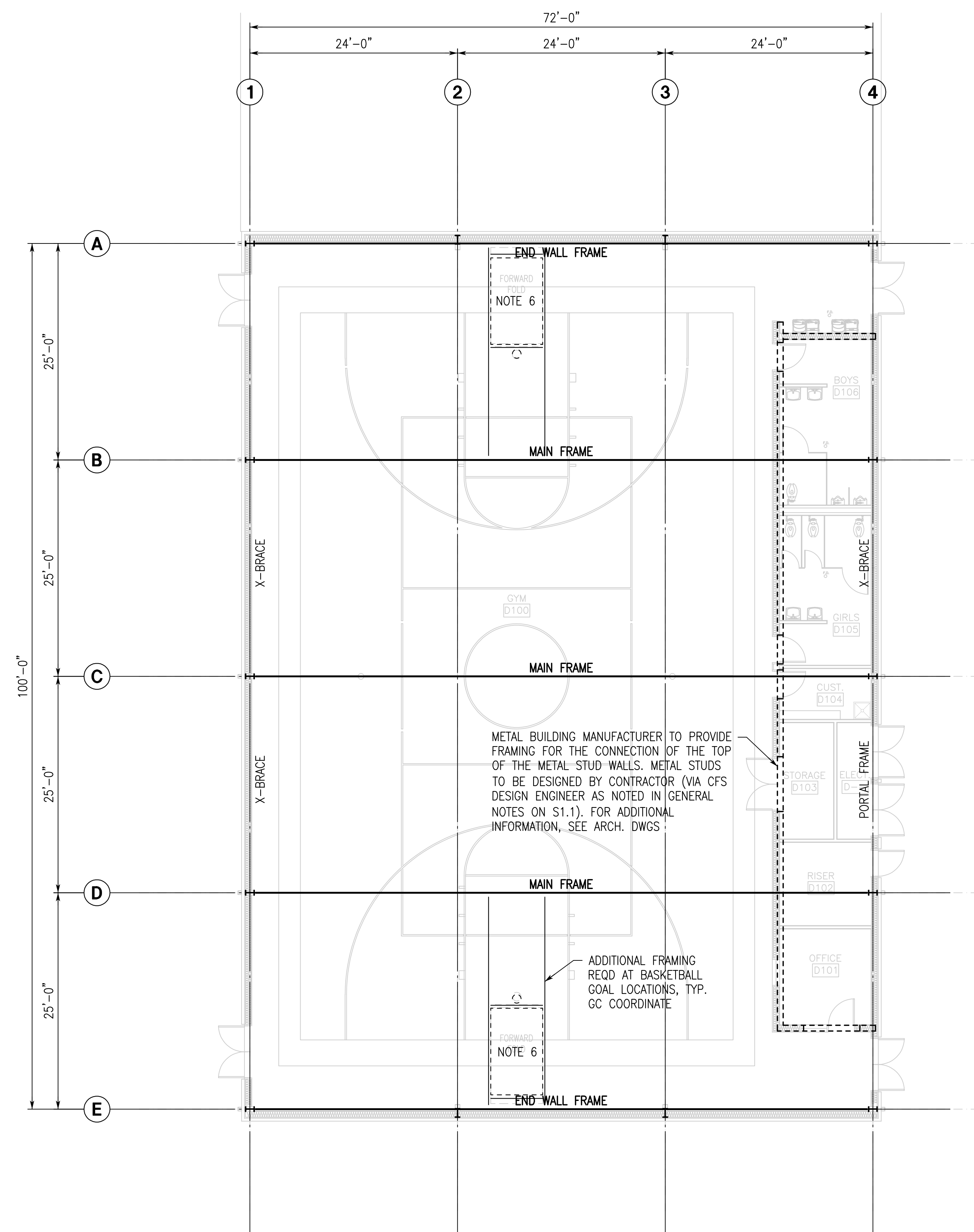
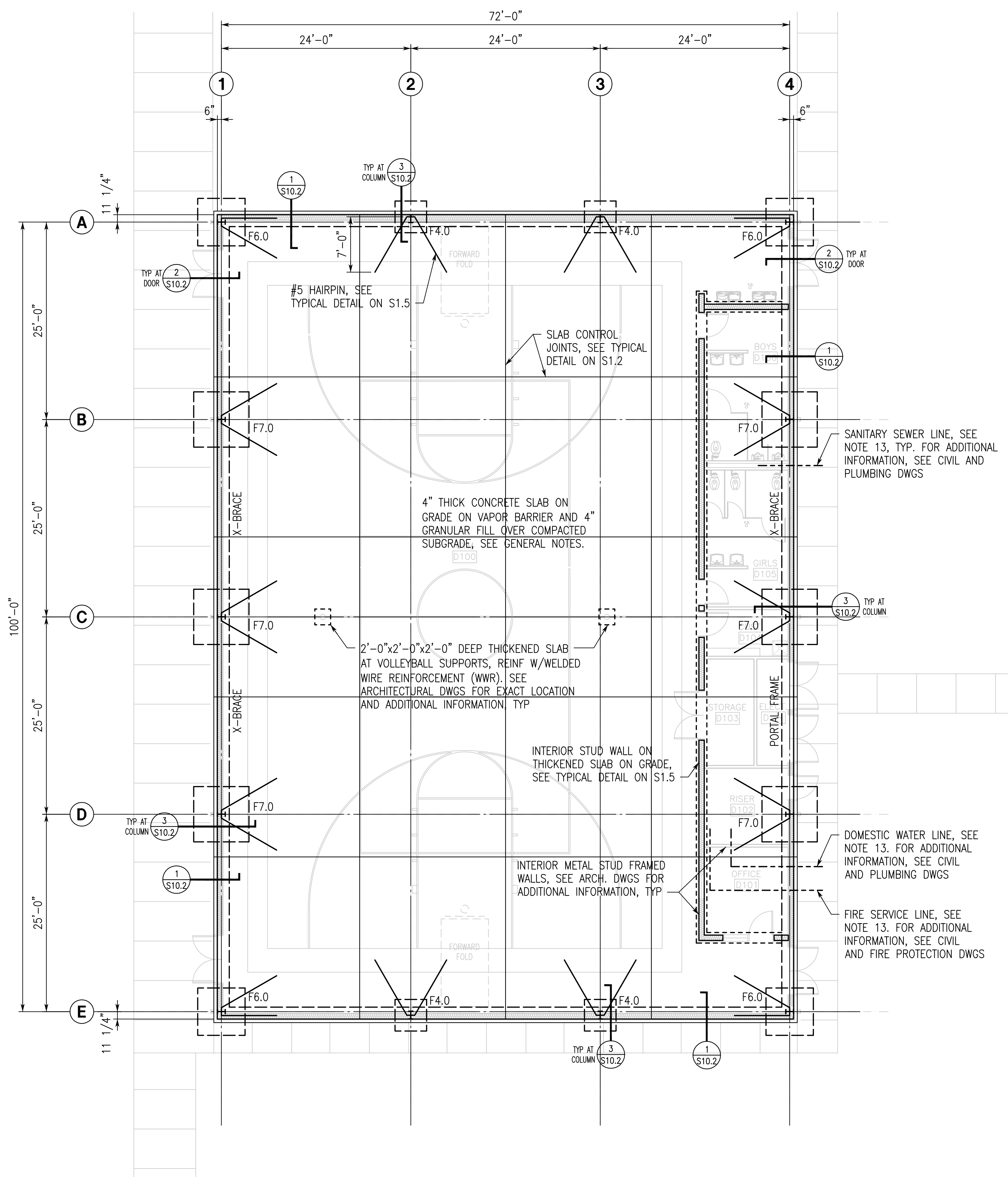
SHEET TITLE:
SECTIONS AND DETAILS

PROJ. MGR.: HCV
DRAWN: ABS
DATE: 6/24/2024
REVISIONS:

JOB NO. 24-38

SHEET NO. S3.2

14 OF 16



GYMNASIUM FOUNDATION PLAN

1/8"=1'-0"

1. FINISH FLOOR (TOP OF SLAB) ELEVATION 180.00', UNLESS NOTED.
2. TOP OF FOOTING ELEVATION -2'-0" BELOW FINISH FLOOR, UNLESS NOTED.
3. FOR GENERAL NOTES, SEE SHEETS S1.0 AND S1.1.
4. FOR SLAB ON GRADE CONSTRUCTION, SEE GENERAL NOTES AND TYPICAL DETAILS.
5. FOR SLAB RECESS SIZE AND LOCATION, SEE ARCHITECTURAL DRAWINGS.
6. GENERAL CONTRACTOR SHALL CUT SAWN JOINTS NO MORE THAN 8 HOURS AFTER STEEL TROWEL FINISH ON SLAB.
7. GENERAL CONTRACTOR TO COORDINATE ALL DRAWINGS WITH THE METAL BUILDING SUPPLIER BEFORE FOUNDATION INSTALLATION BEGINS. SEE GENERAL NOTES ON S1.1 FOR ADDITIONAL INFORMATION.
8. GENERAL CONTRACTOR SHALL OBTAIN AND LAYOUT COLUMN ANCHOR RODS FROM ANCHOR ROD SETTING PLAN PROVIDED BY THE METAL BUILDING MANUFACTURER.
9. FOR PRE-FABRICATED METAL BUILDING, SEE GENERAL NOTES ON S1.1.
10. "F#" INDICATES CONCRETE SPREAD FOOTING. SEE SCHEDULE ON THIS SHEET FOR SIZE AND REINFORCING.
11. COORDINATE ALL BUILDING OFFSETS AND SLAB EDGES WITH ARCHITECTURAL DRAWINGS.
12. FOR PAVEMENT AND HARDSCAPE INFORMATION, SEE ARCHITECTURAL AND CIVIL DRAWINGS.
13. FOR UTILITIES BENEATH THE TURN DOWN FOOTING, SEE PLUMBING LINE BELOW TURN DOWN FOOTING TYPICAL DETAIL ON S1.5. NO UTILITY LINES ARE TO BE BENEATH METAL BUILDING COLUMN SPREAD FOOTINGS. IF A UTILITY LINE IS BENEATH A SPREAD FOOTING, THEN THE UTILITY LINE IS TO BE REROUTED AND PASS BENEATH THE TURN DOWN FOOTING AWAY FROM THE SPREAD FOOTING.

FOOTING SCHEDULE

FOOTING DESIGNATION		F4.0	F6.0	F7.0
FOOTING	SIZE (LxW)	4'-0"x4'-0"	6'-0"x6'-0"	7'-0"x7'-0"
	DEPTH (D)	1'-6"	1'-6"	1'-6"
	REINF EW (BOT)	4#5	6#6	7#6
	NOTES	1	1	1

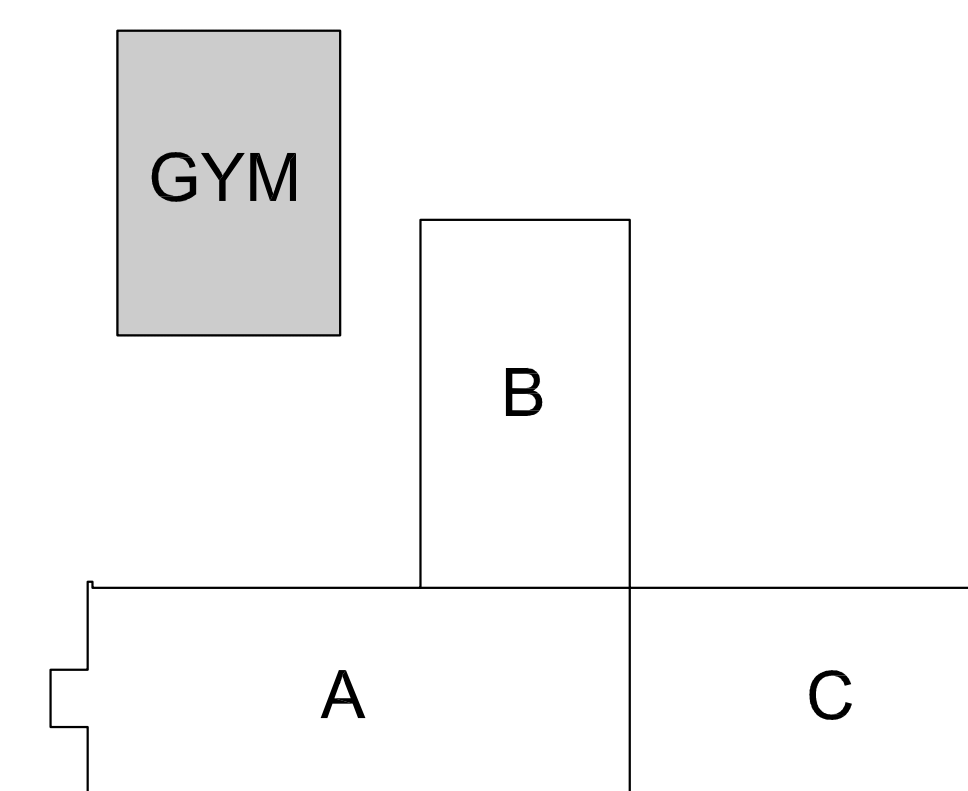
- NOTES:
 1. PROVIDE SCHEDULED REINFORCING AT TOP AND BOTTOM OF FOOTING.



GYMNASIUM ROOF FRAMING PLAN

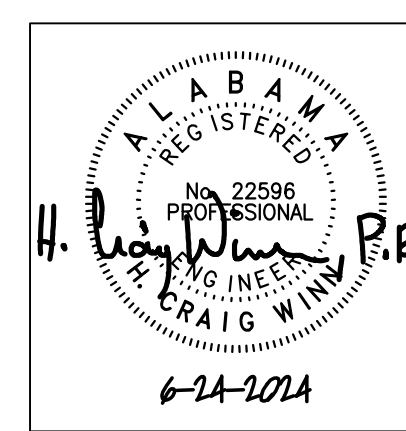
1/8"=1'-0"

1. ROOF SYSTEM: PREFABRICATED METAL BUILDING FRAMES WITH PURLINS SUPPORTING STANDING SEAM METAL ROOFING.
2. METAL BUILDING MANUFACTURER TO USE FRAME LINES AS INDICATED. WHERE THIS IS NOT FEASIBLE THE METAL BUILDING SHOP DRAWINGS SHOULD CLEARLY DESIGNATE ANY DEVIATIONS. ARCHITECT MUST APPROVE ANY CHANGES MADE TO FRAME LAYOUT PRIOR TO FABRICATION.
3. LOCATIONS OF PORTAL AND BRACED FRAMES FOR LATERAL STABILITY OF THE STRUCTURE TO BE AS DIRECTED BY THE METAL BUILDING MANUFACTURER. EVERY EFFORT SHOULD BE MADE TO COORDINATE FRAMES WITH EXISTING ARCHITECTURE. LOCATIONS AND SIZE OF FRAME ELEMENTS SHOULD BE CLEARLY DEFINED ON SHOP DRAWINGS SUBMITTED FOR APPROVAL.
4. HANGER LOCATIONS FOR PIPING LARGER THAN 3 INCHES IN DIAMETER MUST BE COORDINATED BY GENERAL CONTRACTOR WITH THE METAL BUILDING MANUFACTURER. FOR PIPING WEIGHTS, SEE TABLE ON SHEET S1.3.
5. CONTRACTOR COORDINATE SPRINKLER PIPING LOADS WITH METAL BUILDING MANUFACTURER. FOR PIPING WEIGHTS, SEE TABLE ON SHEET S1.3. PIPING WILL RESULT IN A CONCENTRATED LOAD AT HANGER LOCATIONS. COORDINATE MAXIMUM HANGER SPACING WITH METAL BUILDING MANUFACTURER.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN OF BASKETBALL GOAL SUPPORTS AND THEIR ATTACHMENT TO THE ROOF STRUCTURE. PROVIDE ADDITIONAL FRAMING AS NECESSARY TO FRAME GOALS BETWEEN MAIN AND END WALL FRAMES AS SHOWN. SUBMIT SHOP DRAWINGS SHOWING DETAILING OF GOAL SUPPORTS AND ATTACHMENT TO ROOF STRUCTURE, SIGNED BY A REGISTERED PROFESSIONAL ENGINEER. COORDINATE APPLIED LOADS AND ATTACHMENT TO ROOF STRUCTURE WITH METAL BUILDING MANUFACTURER.
7. WHERE ROOF SUPPORTED/SUSPENDED MECHANICAL UNITS ARE LOCATED, THE CONTRACTOR SHALL COORDINATE ALL LOADING, CURB SUPPORTS, OPENING FRAMING AND/OR ANY ADDITIONAL SUPPORT REQUIREMENTS WITH THE METAL BUILDING MANUFACTURER. THE METAL BUILDING MANUFACTURER SHALL PROVIDE ALL FRAMING AS REQUIRED TO SUPPORT THE MECHANICAL UNITS AND CURBS. PROVIDE ADDITIONAL FRAMING AS NECESSARY TO FRAME BETWEEN MAIN AND/OR END WALL FRAMES.



PROJECT NORTH
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ELEMENTARY ADDITION TO
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SHEET TITLE:
 GYMNASIUM
 FOUNDATION AND
 ROOF FRAMING
 PLAN

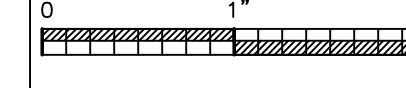
PROJ. MGR.: HCV
 DRAWN: ABS
 DATE: 6/24/2024
 REVISIONS:

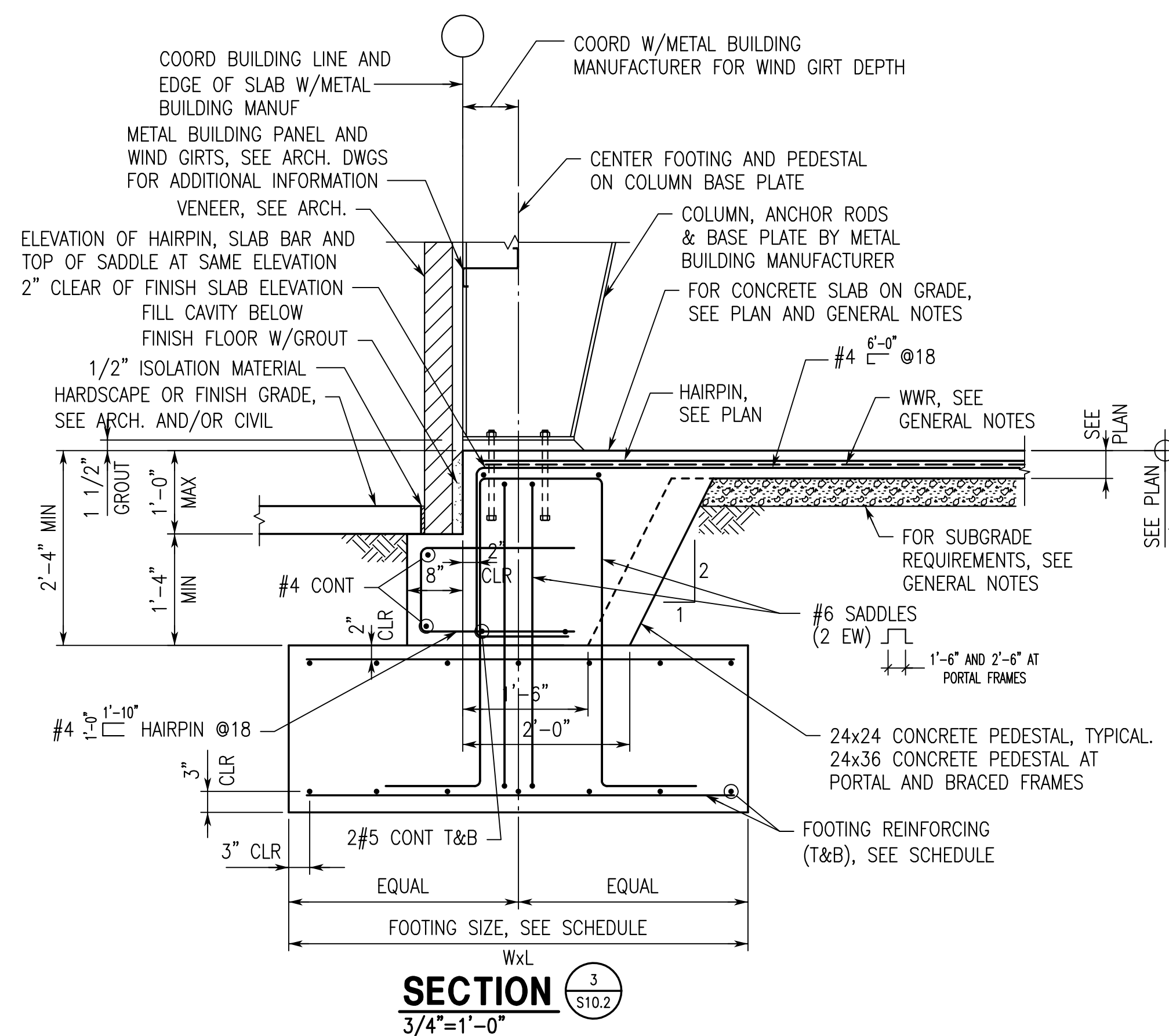
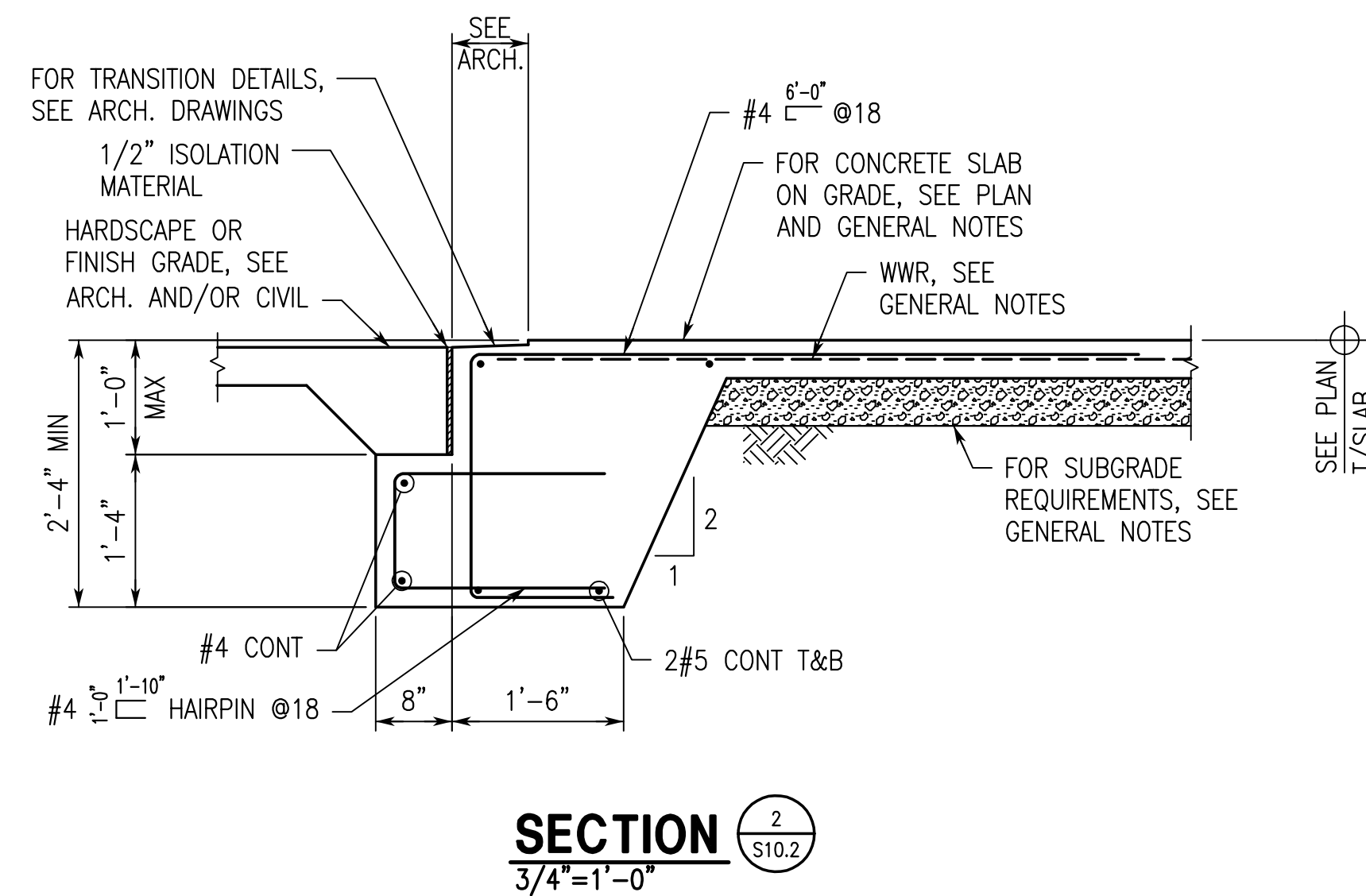
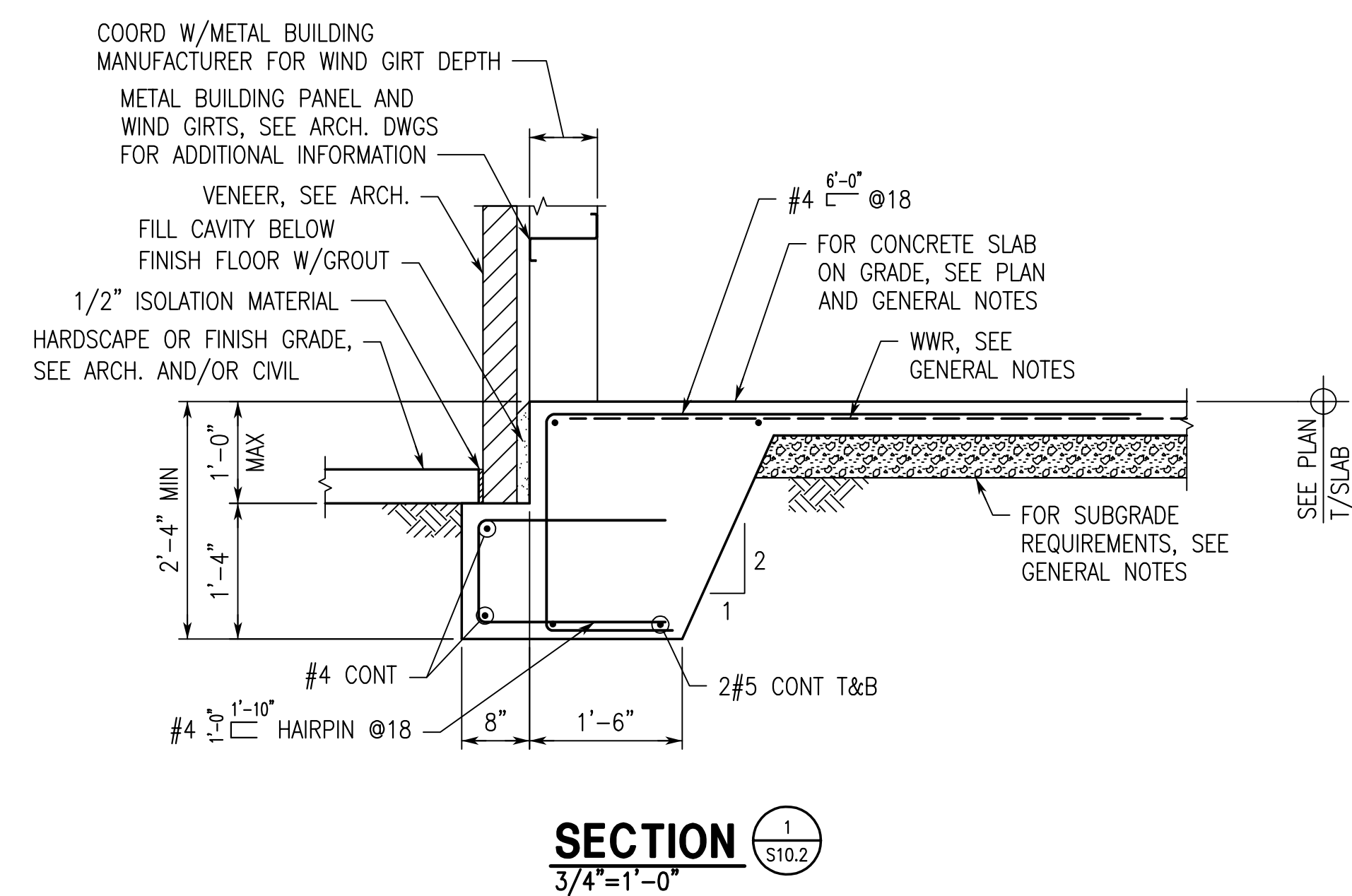
JOB NO. 24-38

SHEET NO:

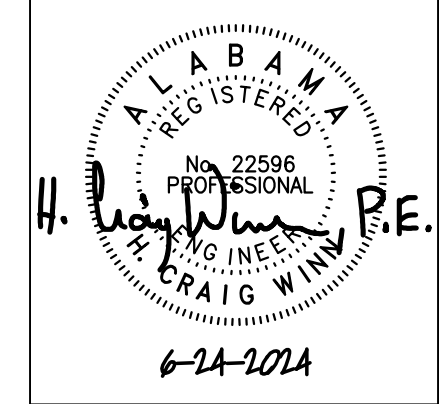
S10.1

15 OF 16





ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
 13878 US HIGHWAY 11, YORK, AL 36925
 SUMTER COUNTY BOARD OF EDUCATION

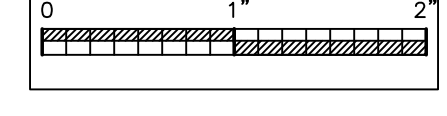


SHEET TITLE:
 GYMNASIUM
 SECTIONS
 AND DETAILS

PROJ. MGR.: HCW
 DRAWN: ABS
 DATE: 6/24/2024
 REVISIONS:

JOB NO. 24-38

SHEET NO:
S10.2
 16 OF 16



FIRE PROTECTION GENERAL NOTES

- CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO BID. CONTRACTOR SHALL VERIFY EXACT SIZE, LOCATION, ELEVATION OF EXISTING STRUCTURE, CEILINGS, MECHANICAL, AND ELECTRICAL PRIOR TO INSTALLING ANY NEW PIPE.
- CONTRACTOR SHALL COORDINATE ALL PIPE ROUTING TO AVOID CONFLICTS WITH ALL STRUCTURAL, ELECTRICAL, AND MECHANICAL FEATURES OF THE BUILDING.
- ALL HORIZONTAL PIPING IS RUN ABOVE THE CEILING OR IN JOIST SPACE. ALL PIPING SHALL DRAIN DOWN AS REQUIRED BY NFPA 13. PIPING TO BE INSTALLED TO CONCEAL AS MUCH AS POSSIBLE.
- INSTALL ALL FIRE PROTECTION MATERIALS IN AREAS WITH EXPOSED CEILINGS IN A NEAT FIRST CLASS MANNER. ALL WORKMANSHIP SHALL BE IN ACCORDANCE WITH INDUSTRY BEST PRACTICES. PIPING SHALL BE INSTALLED PARALLEL AND/OR PERPENDICULAR TO BUILDING STRUCTURE UNLESS INDICATED OTHERWISE.
- CONTRACTOR IS RESPONSIBLE FOR NOTIFYING PROJECT ENGINEERS FOR INSPECTION AND TESTING. PROVIDE A MINIMUM OF A WEEK.
- CONTRACTOR TO REFER TO ARCHITECTURAL DRAWINGS FOR NEW WORK AREAS, CEILING HEIGHTS, SECTIONS, AND RATED WALLS.
- CONTRACTOR RESPONSIBLE FOR COORDINATION OF PIPING WEIGHT AND LOCATION PRIOR TO INSTALLATION OF ANY PIPE.
- PIPING LAYOUT AND SIZING SHOWN ON PLANS IS DIAGRAMMATIC AND SHOWN FOR SPACE REQUIREMENTS. CONTRACTOR IS RESPONSIBLE FOR LAYOUT SHOP DRAWINGS, CALCULATIONS, SUBMITTAL DATA, TESTING, OWNER TRAINING AND CERTIFYING SYSTEM MEETS NFPA 13 AND CONTRACT DOCUMENTS.
- CONTRACTOR SHALL OBTAIN APPROVAL FROM ARCHITECT PRIOR TO INSTALLING ANY SPRINKLER HEADS DIFFERENT FROM THE SPECIFIED SPRINKLERS HEADS.
- CONTRACTOR SHALL OBTAIN APPROVAL OF "SPRINKLER HEAD TYPE" FROM ARCHITECT PRIOR TO INSTALLING ANY SPRINKLER HEADS.
- CONTRACTOR SHALL PAINT ALL EXPOSED PIPING TO MATCH STRUCTURE. COORDINATE EXACT COLOR WITH ARCHITECT.

FIRE PROTECTION SHOP DRAWINGS AND SUBMITTALS

- PROVIDE A NFPA 13 COMPLIANT SYSTEM TO PROVIDE COVERAGE TO NEW WORK AREA. CONTRACTOR RESPONSIBLE TO PROVIDE DETAILED SHOP DRAWINGS AND CALCULATIONS COMPLETE.
- SHOP DRAWINGS SHALL INCLUDE:
 - A REFLECTED CEILING PLAN INDICATING LOCATION OF SPRINKLER HEADS, LIGHTS, CEILING DEVICES, GRILLES, AUDIO VISUAL, AND ANY DEVICES ATTACHED TO LIFT OUT CEILINGS. ALL SPRINKLER HEADS IN LAY-IN CEILINGS TO BE CENTERED IN TILES. COORDINATE EXACT LOCATION OF SPRINKLER HEADS IN HARD CEILINGS WITH ARCHITECT AND ENGINEER.
 - PREPARE A WORKING PIPE SHOP DRAWING BASED ON HYDRAULIC CALCULATIONS. THE PIPING DRAWINGS SHALL INDICATE THE ELEVATION OF THE PIPE, THE CONFIGURATION OF THE PIPING AND HANGERS, SIZE OF THE PIPE AND COORDINATION OF PIPING WITH OTHER DISCIPLINES, STRUCTURE AND DUCTWORK.
 - HYDRAULIC CALCULATIONS ARE TO BE PREPARED USING A FLOW TEST WITHIN 90 DAYS.
 - THE CONTRACTOR IS RESPONSIBLE FOR INCORPORATING LOCAL AUTHORITY HAVING JURISDICTION COMMENTS FOR COMPLIANCE.
 - ALL ADDITIONAL MATERIALS TO BE INDICATED ON SHOP DRAWINGS.
 - ALL LOW-POINT DRAIN DOWN LOCATION AND PENETRATIONS OF BUILDING STRUCTURE TO BE INDICATED ON SHOP DRAWINGS.
- CONTRACTOR SHALL BE LICENSED IN THE STATE IN WHICH THE WORK IS PERFORMED. THE CONTRACTOR SHALL BE A NICET LEVEL III OR LEVEL IV OR SPECIAL HAZARD SUPPRESSION SYSTEMS. THE NICET LEVEL III DESIGNER SHALL BE AN EMPLOYEE OF FIRE PROTECTION CONTRACTOR.
- ALL ELECTRICAL FIRE ALARM REQUIREMENTS TO BE COORDINATED WITH THE ELECTRICAL THE FLOW AND TAMPER SWITCHES TO BE PROVIDED UNDER FIRE PROTECTION CONTRACT. CONDUIT, ALARM WIRING AND PROGRAMMING THE RESPONSIBILITY OF THE FIRE ALARM CONTRACT AND SHALL BE COORDINATED WITH ELECTRICAL, NICET LEVEL III DESIGNER SHALL INSPECT PROJECT.
- CONTRACTOR SHALL PROVIDE SHOP DRAWINGS WITHIN 45 DAYS PRIOR TO THE START OF THE SPRINKLER SYSTEM INSTALLATION.

FIRE PROTECTION DESIGN ANALYSIS

REFER TO ARCHITECTURAL PLANS FOR COMPLIANCE NFPA 101
 TYPE OF CONSTRUCTION: REFER TO ARCHITECTURAL

OCCUPANCY: REFERENCE ARCHITECTURAL LIFE SAFETY PLAN

FIRE DESIGN CODES /STANDARDS

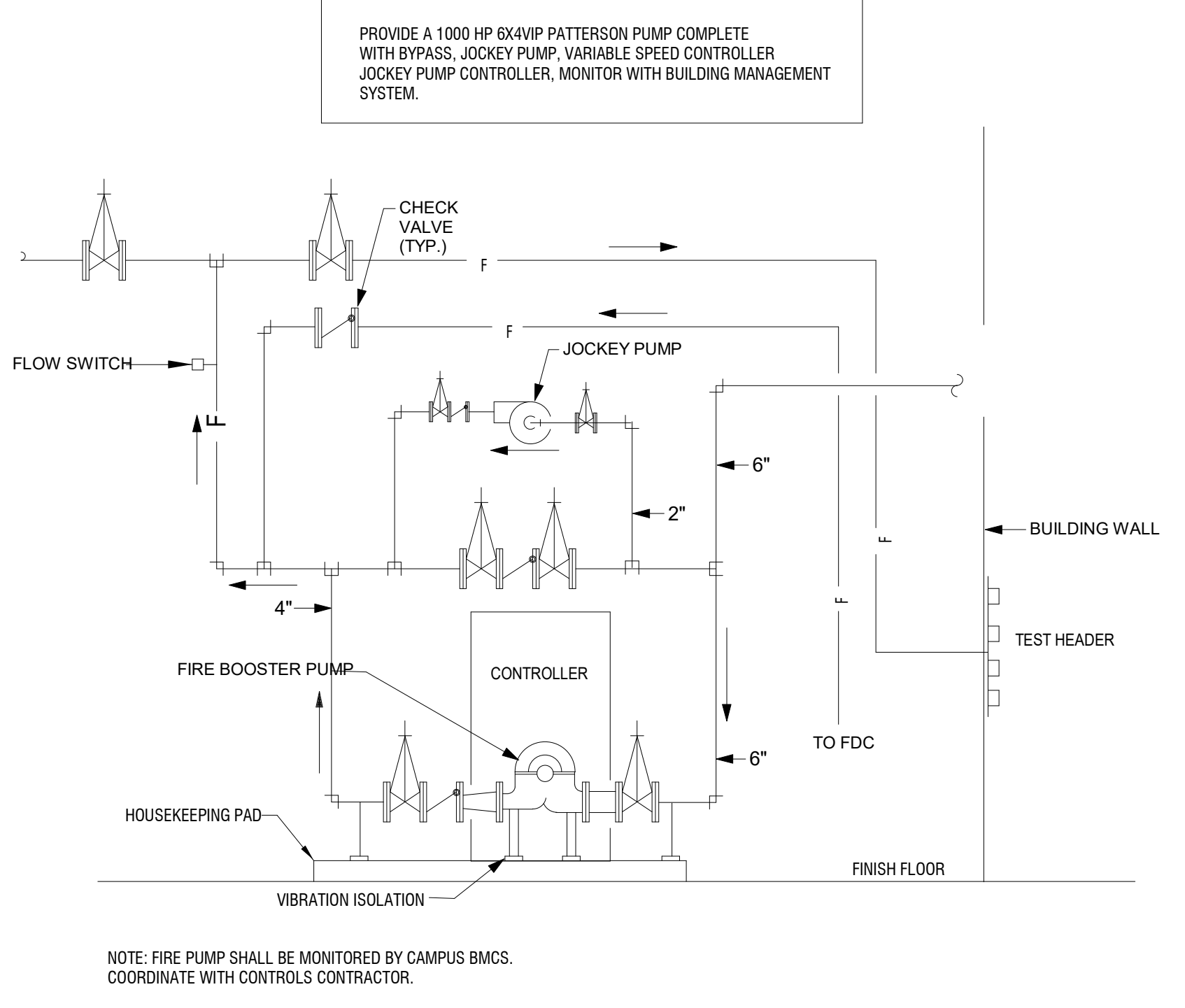
APPLICABLE CODES AND STANDARDS:
 INTERNATIONAL BUILDING CODE (IBC)
 INTERNATIONAL FIRE CODE (IFC)
 INTERNATIONAL PLUMBING CODE (IPC)
 NATIONAL ELECTRIC CODE (NEC)
 NATIONAL FIRE ALARM CODE NFPA 72
 NATIONAL ENERGY CODE
 NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 13,20,24,101

FIRE PROTECTION LEGEND

FIRE MAIN (F)	— F —	F
FIRE DRAIN LINE	— FD —	FD
BALL VALVE		
OS&Y VALVE (WITH TAMPER SWITCH)		TS COORDINATE WITH ELECTRICAL FIRE ALARM SIGNAL TO BUILDING ALARM PANEL
FLOW SWITCH		FS COORDINATE WITH ELECTRICAL FIRE ALARM SIGNAL TO BUILDING ALARM PANEL
	PIPE DOWN	
	PIPE UP	
GPM	GALLONS PER MINUTE	
PSI	POUNDS PER SQUARE INCH	
	FULLY RECESSED PENDENT SPRINKLER HEAD (PENDENT HEADS SHALL BE WHITE W/ WHITE ESCUTCHEON UNLESS APPROVED BY ARCHITECT)	
	UPRIGHT SPRINKLER HEAD	
ARCHITECT TO SELECT COLORS ON ALL SPINKLER HEADS		

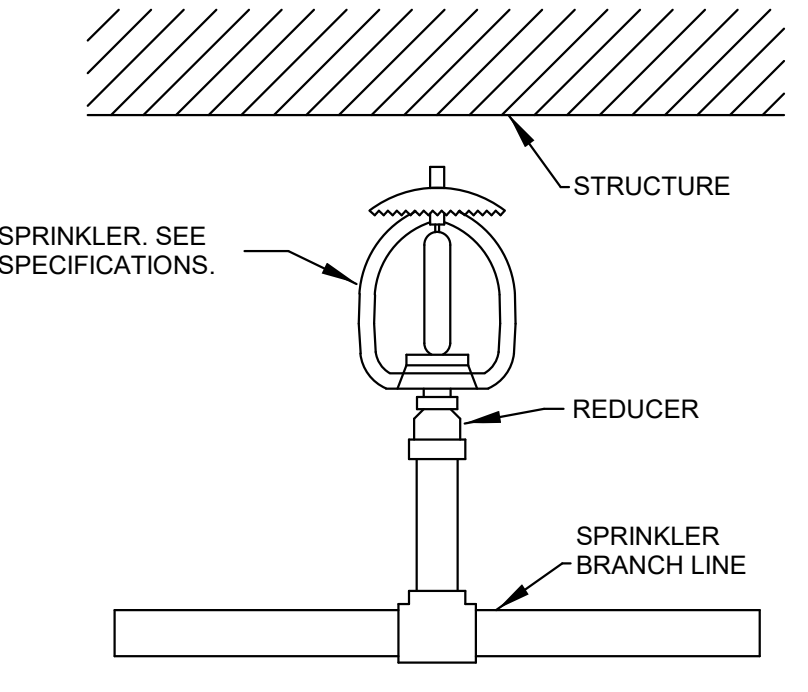
FIRE PROTECTION HYDRAULIC DEMANDS

- SPRINKLER PROTECTION
 - ALL OFFICES, TEACHER WORKROOMS, LOBBIES, VESTIBULES, CLASSROOMS, GYMNASIUMS, CAFETERIAS, TOILETS, COMMON AREAS, CORRIDORS: LIGHT HAZARD 0.10 GPM OVER HYDRAULICALLY MOST REMOTE 1500 SQ. FT.
 - MECHANICAL EQUIPMENT ROOMS, TRANSFORMER ROOMS, GENERAL PURPOSE STORAGE LESS THAN 100 SQ. FT.: ORDINARY HAZARD, GROUP 2, 0.20 GPM OVER HYDRAULICALLY MOST REMOTE 2000 SQ. FT.
 - GENERAL STORAGE, STORAGE HEIGHT LIMIT LESS THAN 12FT, LIMITED COMBUSTIBLES LESS THAN 25 GALLONS: ORDINARY GROUP 1 PER NFPA 13, 0.15 GPM PER 1500 SQ. FT.
- HYDRAULIC CALCULATION SHALL BE CALCULATED WITH 10% SAFETY FACTOR OF SUPPLY CURVE.
- FLOW DATA TO BE RESPONSIBILITY OF CONTRACTOR.



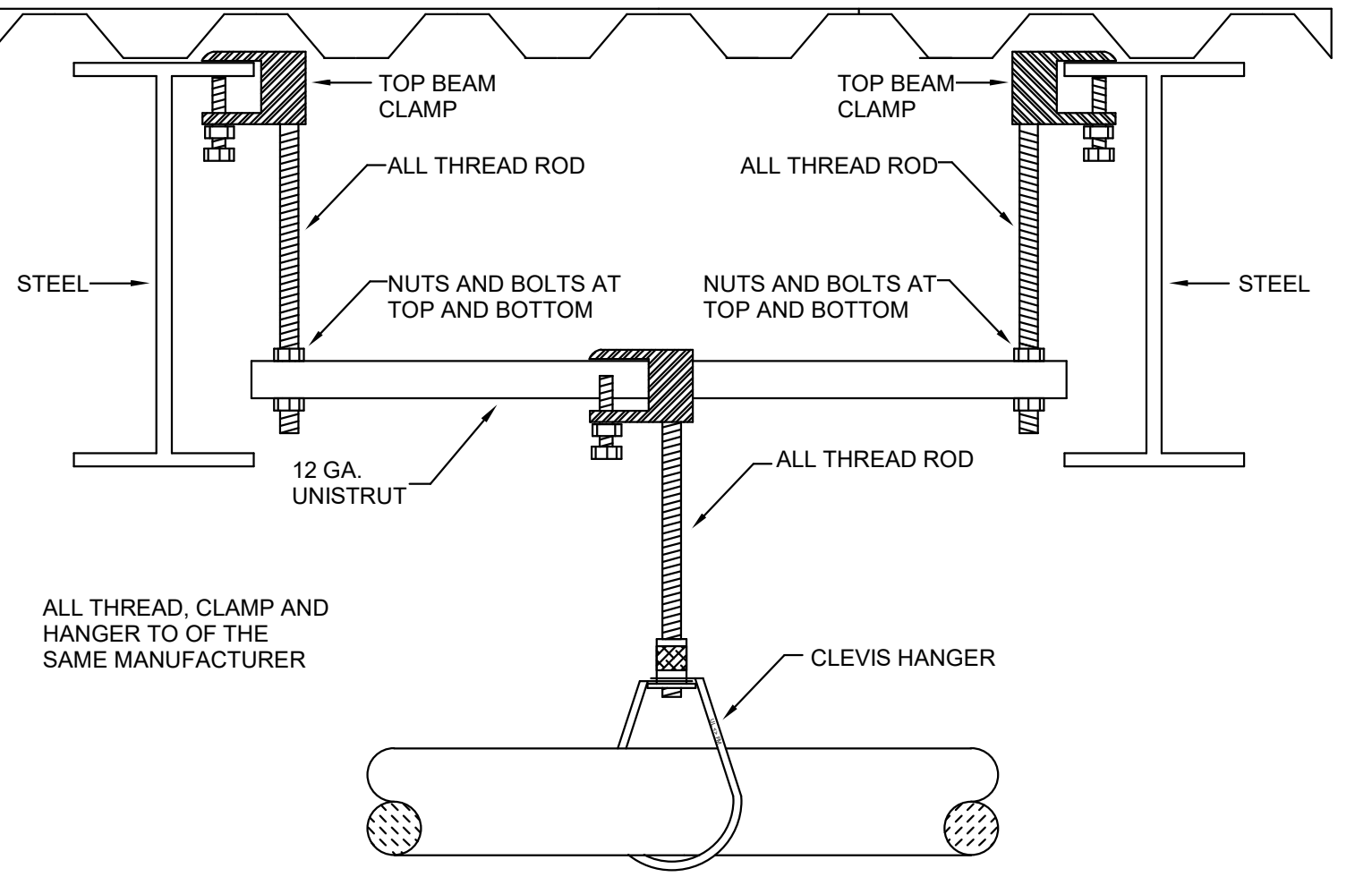
FIRE PUMP

NO SCALE



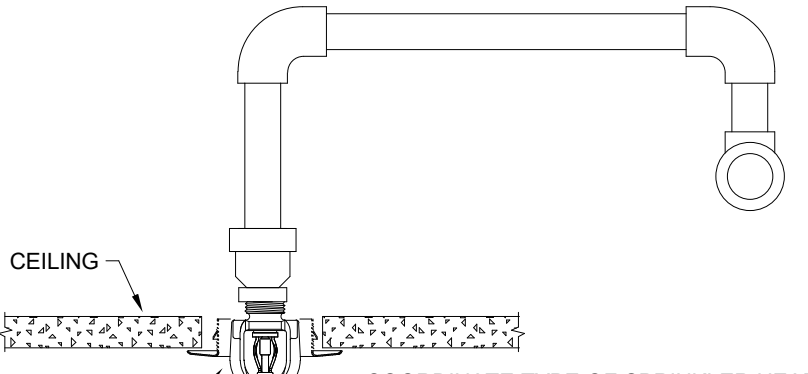
QUICK RESPONSE UPRIGHT SPRINKLER

NO SCALE



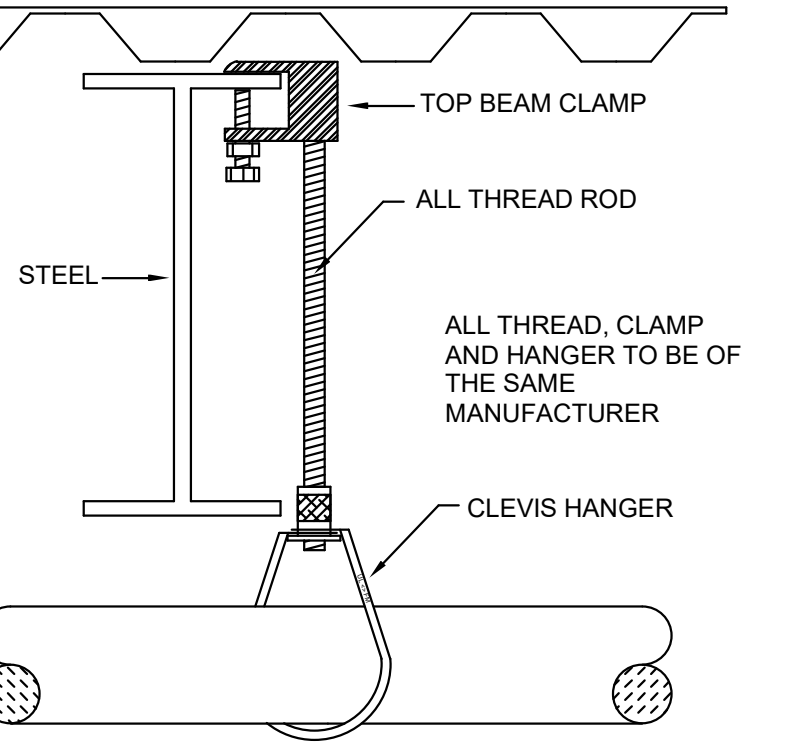
TRAPEZE HANGER DETAIL - UNISTRUT

NO SCALE



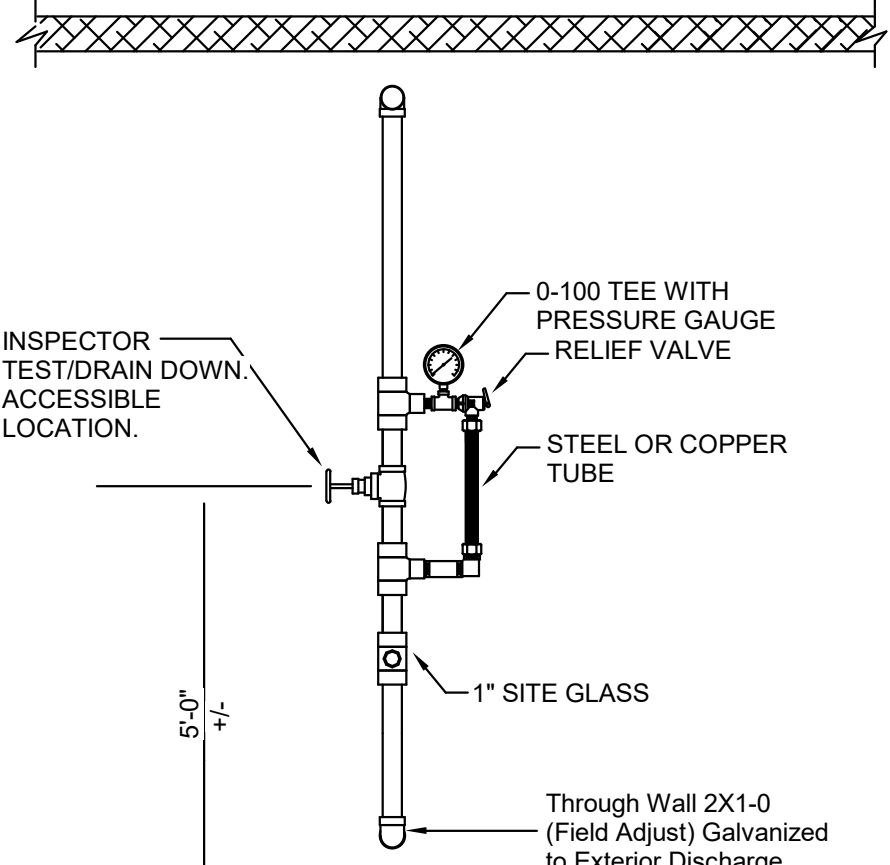
CENTER OF TILE FABRICATION AND INSTALLATION

NO SCALE



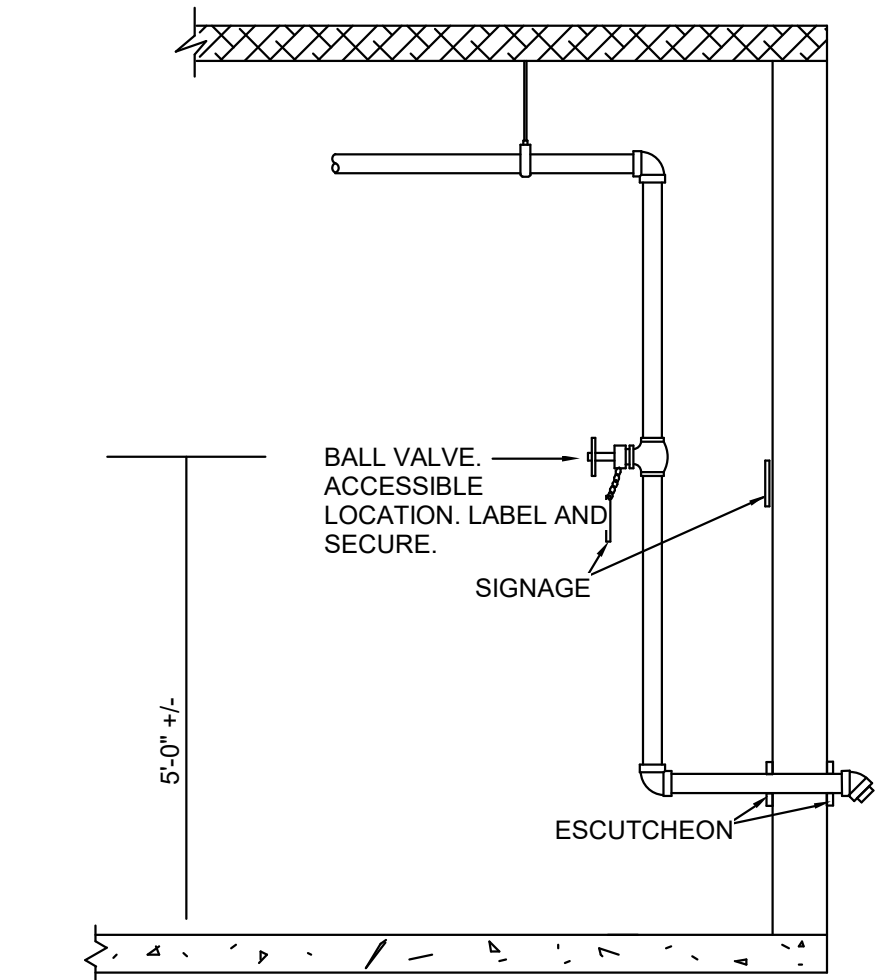
TOP BEAM CLAMP DETAIL

NO SCALE



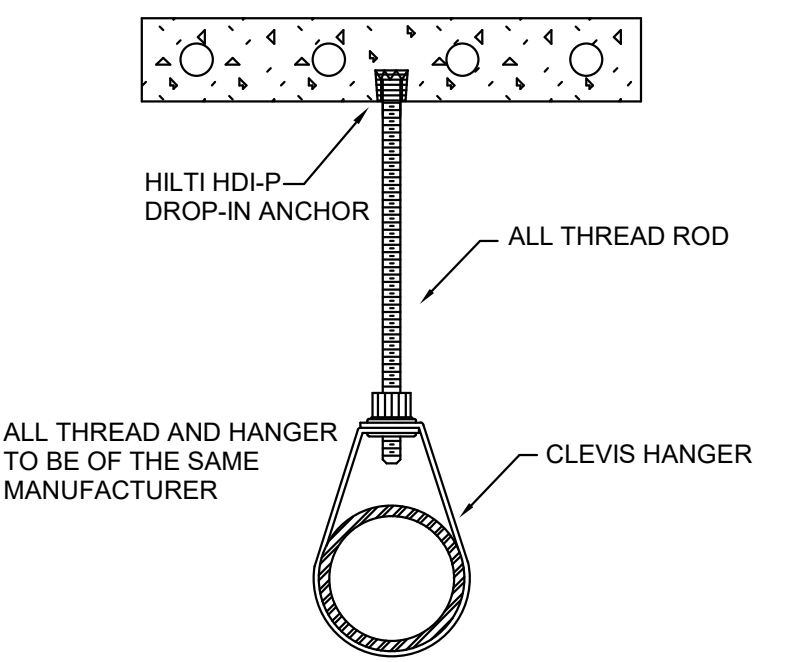
INSPECTOR'S TEST CONNECTION

NO SCALE



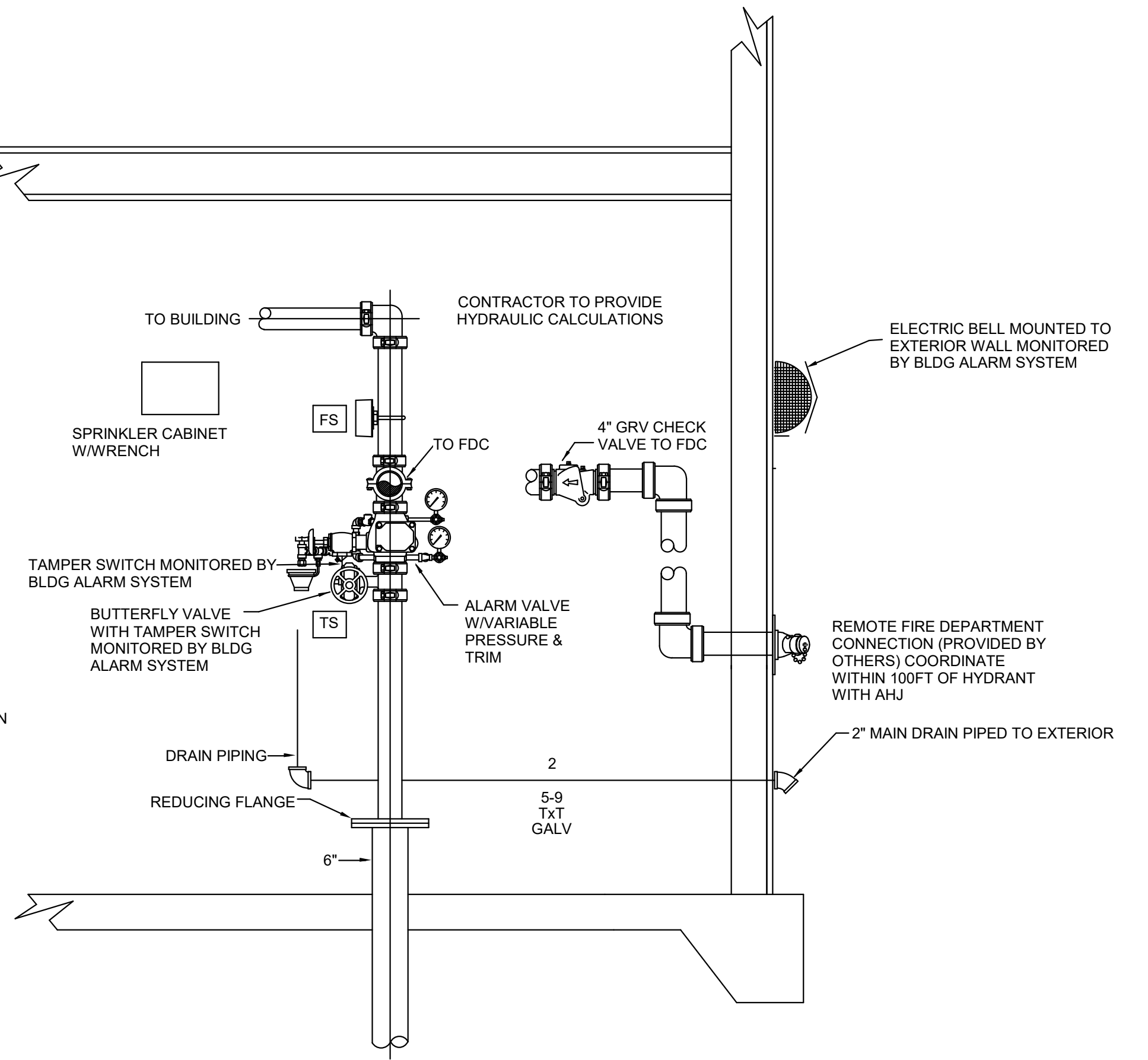
LOW POINT DRAIN DOWN DETAIL (EXTERIOR)

NO SCALE



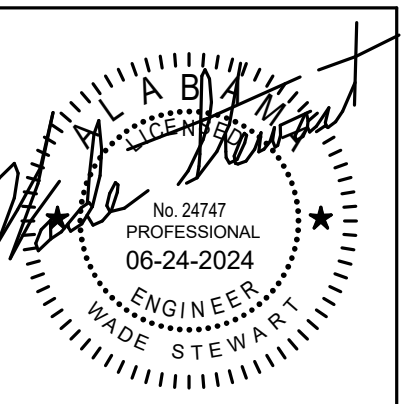
DROP-IN DETAIL

NO SCALE



FIRE SERVICE ENTRY - BUILDING

NO SCALE

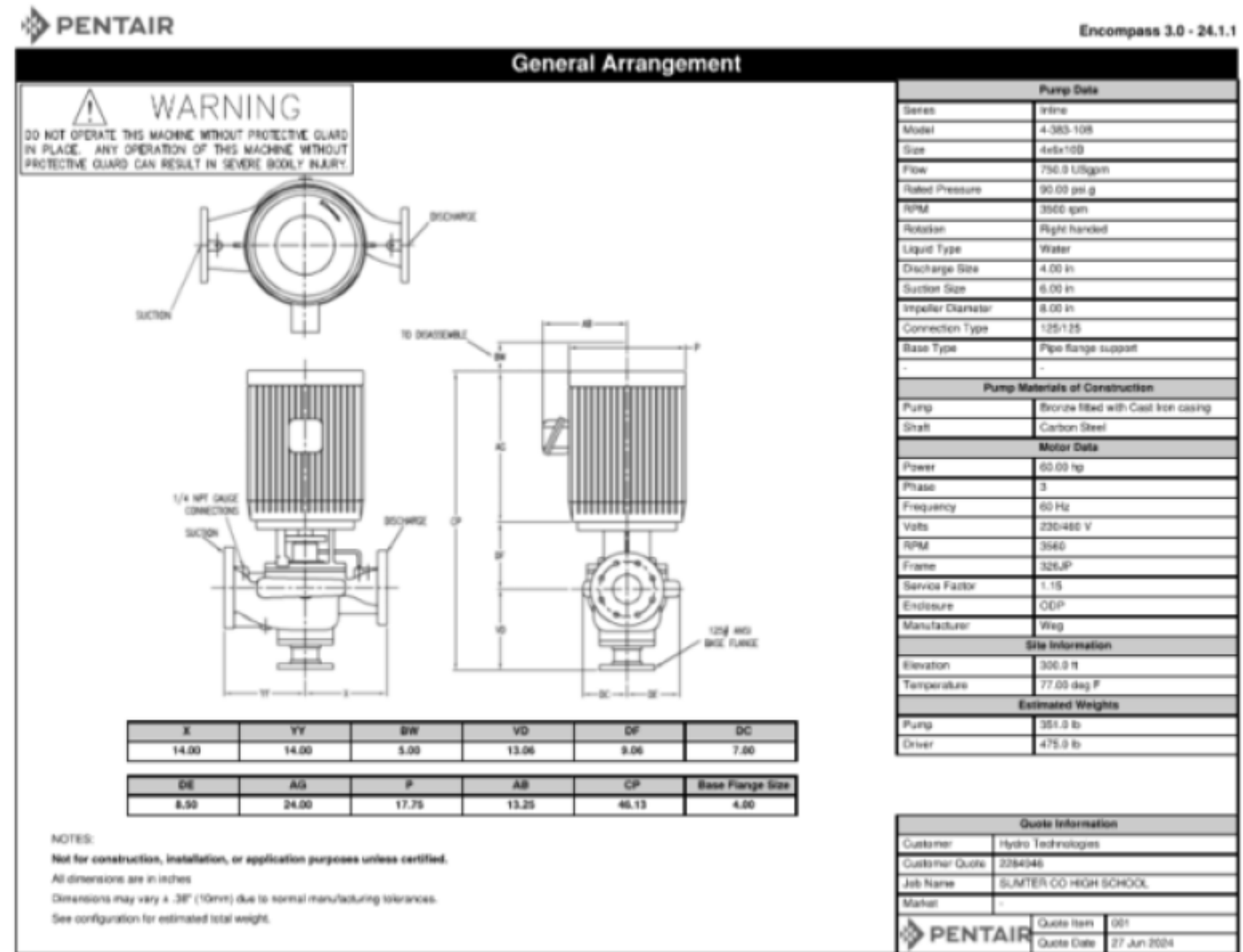


SHEET TITLE:
FIRE PROTECTION SCHEDULES AND DETAILS

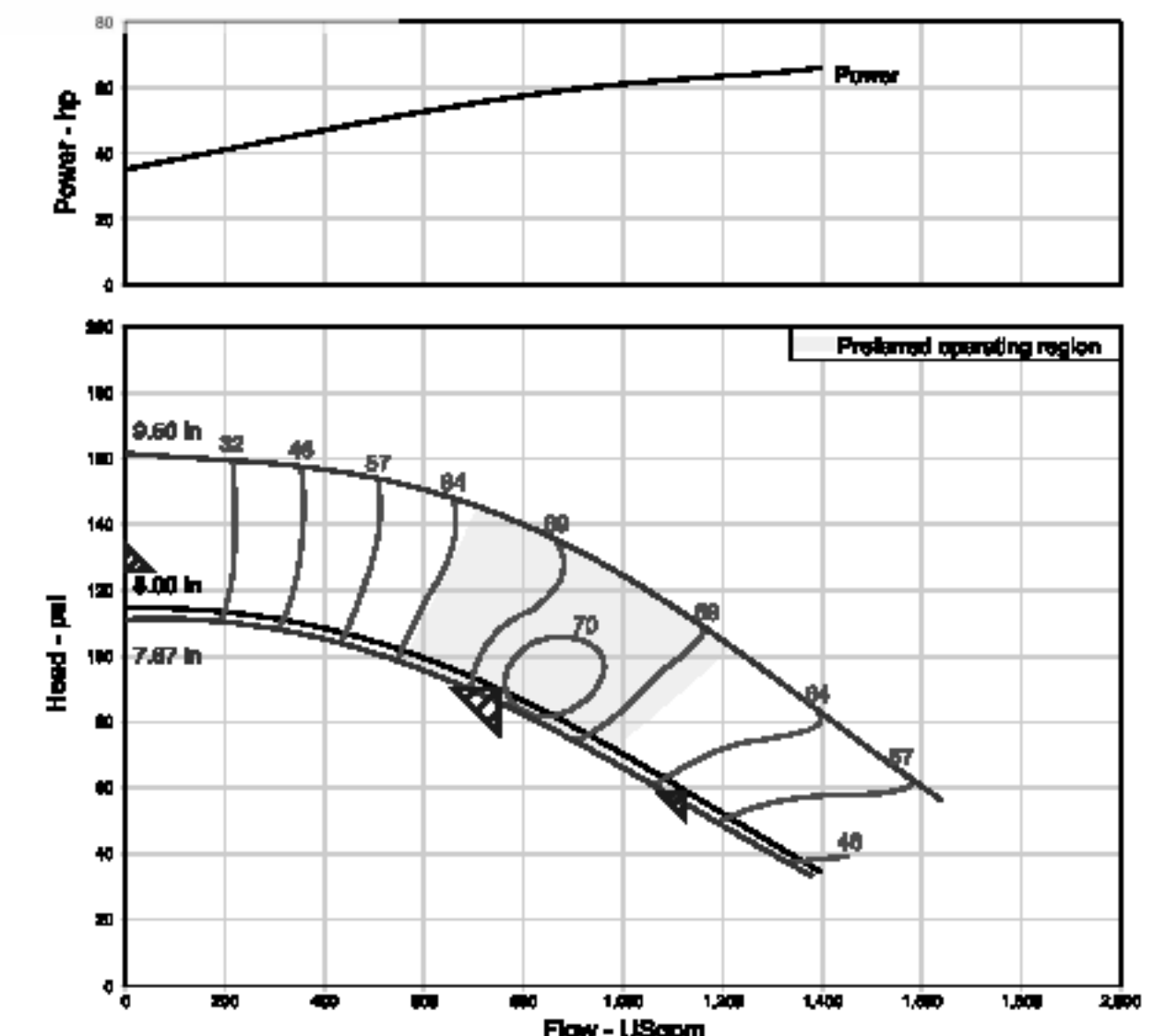
PROJ. MGR.:	SMC
DRAWN:	ZDE
DATE:	06/24/24
REVISIONS	

JOB NO. **24-38**

SHEET NO. **FP0.1**



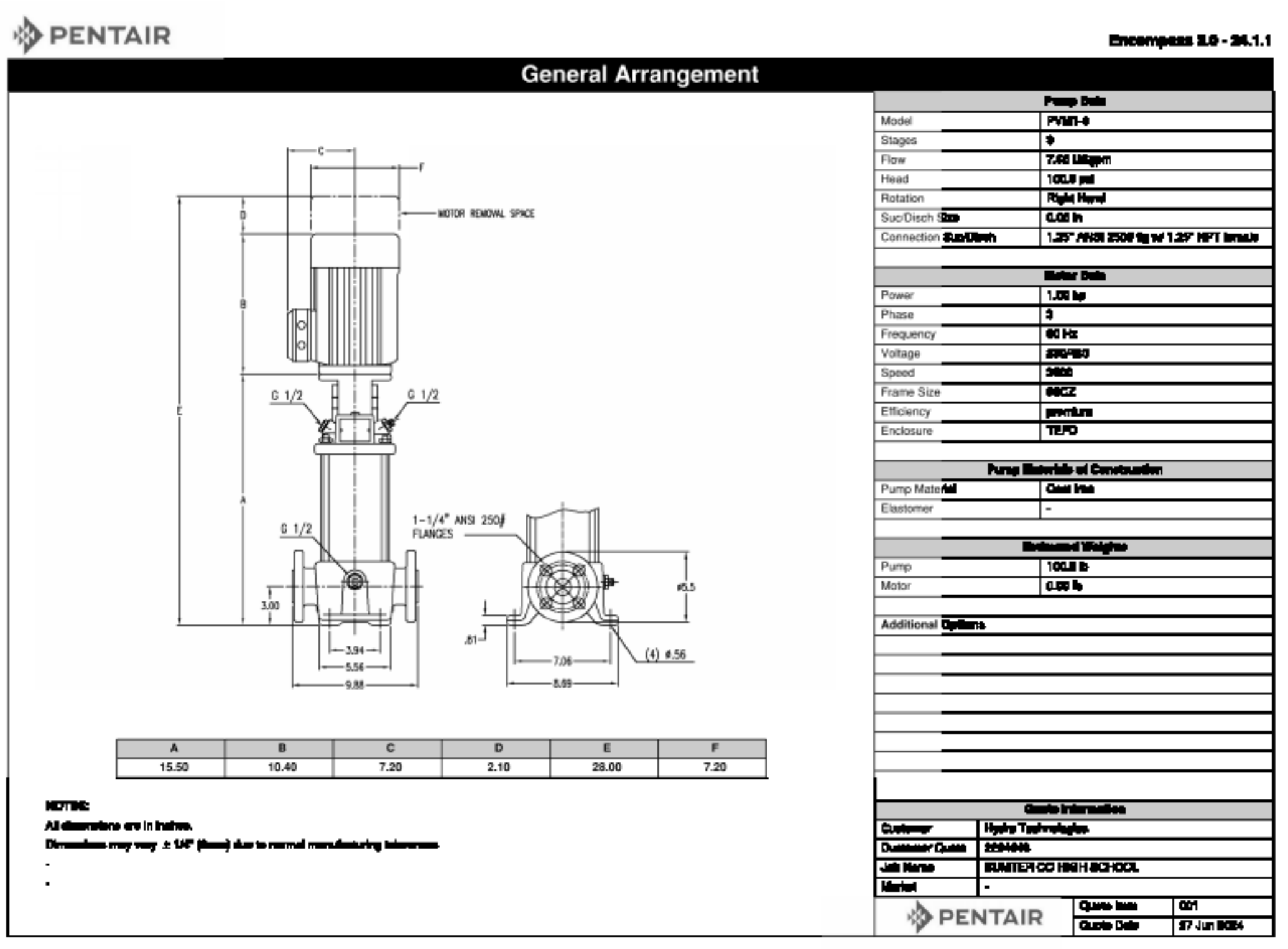
PENTAIR Customer: Hydro Technologies
 Project name: SUMTER CO HIGH SCHOOL
 Pump Performance Curve
 Encaps 3.0 - 24.1.1



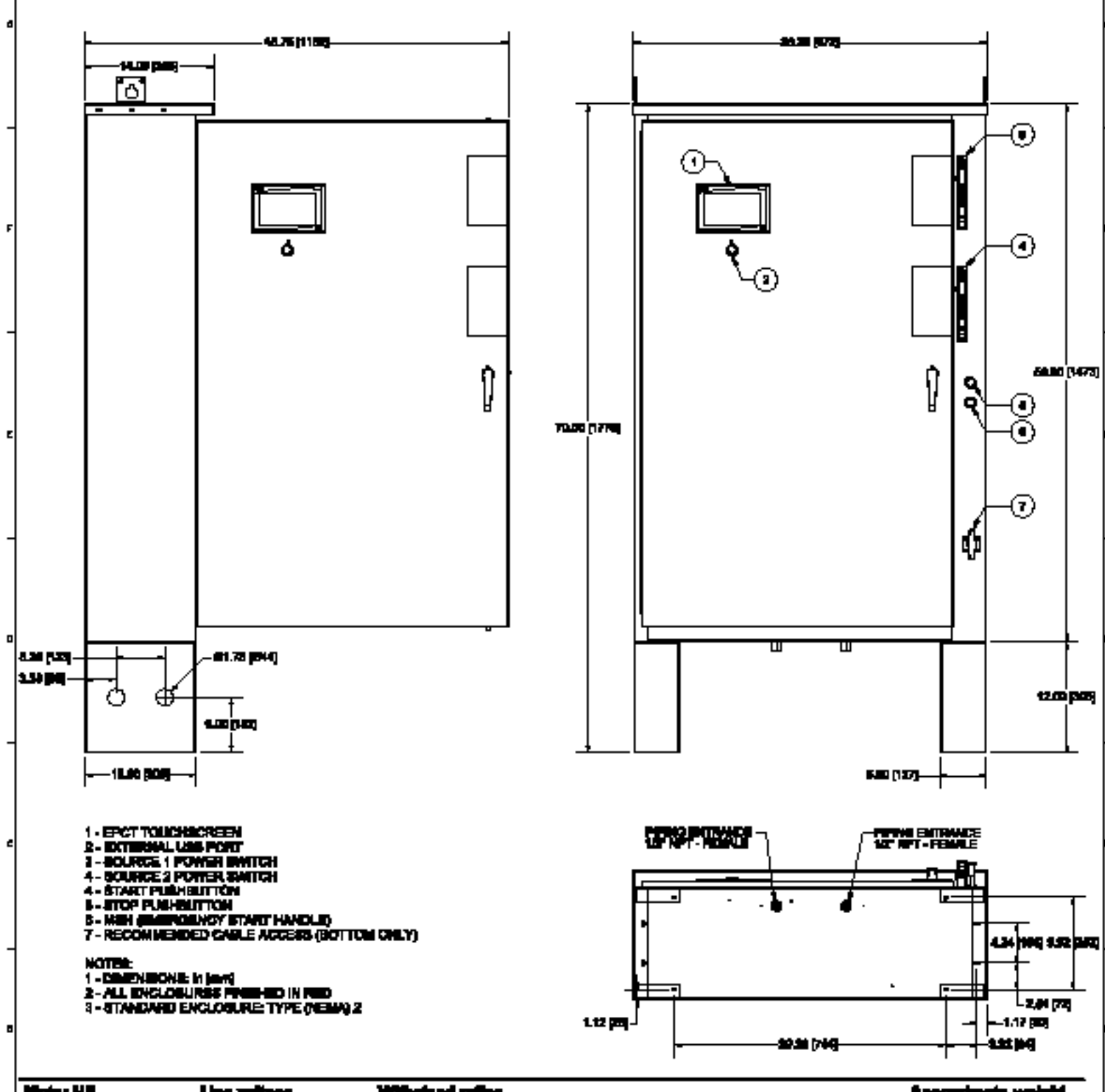
Item Number / Tag	: 001	Size	: 4-800-108
Service	: Pump	Stages	: 1
Quantity	: 1	Deliver type	: Motor
Quote number	: DEWBERRY ENG/RES/ENG	Frequency	: 60 Hz
Date last saved	: 27 Jun 2024 11:15 AM	Speed	: 3500 rpm
Flow, rated	: 790.0 USgpm	Based on curve number	: 989-43037-09-000
Head, rated	: 80.00 psi	Efficiency	: 88.25 %
Flange rating (optional)	: 150/125	Max working pressure, allowable	: 170.0 psi.g
Flange type	: 150/125	Max shut-off head (Closed/0)	: 177.0 psi
Operatory Point (100%)	: 1,125.0 USgpm	Max suction pressure, allowable	: 58.00 psi.g
Secondary Point (50% of rated flow)		Suction pressure, MAX (MAX)	: 0.00 psi.g
Secondary Point (50% of rated flow)	: 400.0 psi	Min shut-off suction pressure	: 117.0 psi.g
Max Shut-off per NFPA	: 199.0 psi	Power driver, minimum	: 60.00 hp

FT90 Bid Submittal
 BN124049EN

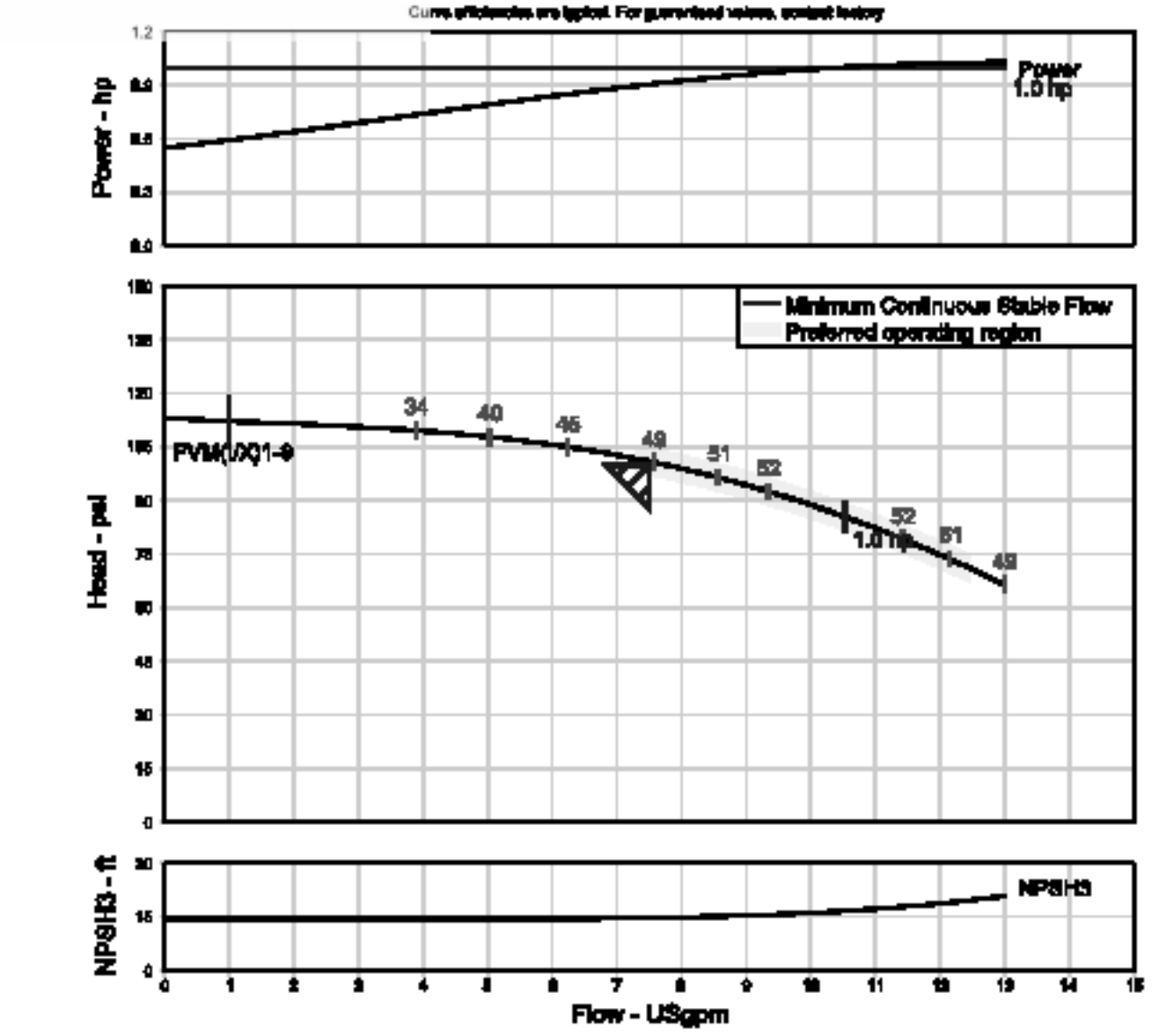
Eaton EPCT Fire
 Touchscreen based electric fire pump controllers



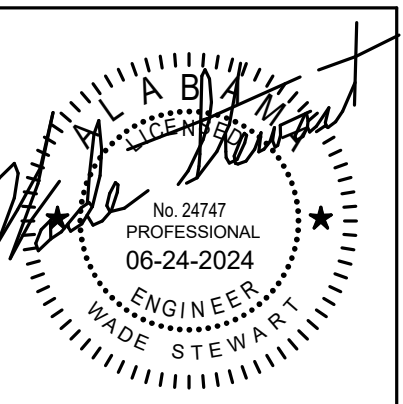
EATON EPCT FIRE - FT90 SMALL HP
 DIMENSIONAL DRAWING - NEMA 2, 3, 3R, 4, 4X, 12



PENTAIR Customer: Hydro Technologies
 Project name: SUMTER CO HIGH SCHOOL
 Jockey Pump Curve
 Encaps 3.0 - 24.1.1



Item Number / Tag	: 001	Size	: PVA001-6
Service	: Jockey	Stages	: 6
Quantity	: 1	Speed	: 3500 rpm
Quote number	: DEWBERRY ENG/RES/ENG	Based on curve number	: PVA001-6
Date last saved	: 27 Jun 2024 11:18 AM	Efficiency	: 88.25 %
Flow, rated	: 7.00 USgpm	Power, rated	: 0.80 hp
Head, rated	: 100.0 psi	NPSH required	: 14.87 ft
Fluid density	: 0.999 / 0.988 SG	Viscosity	: 1.000 cP



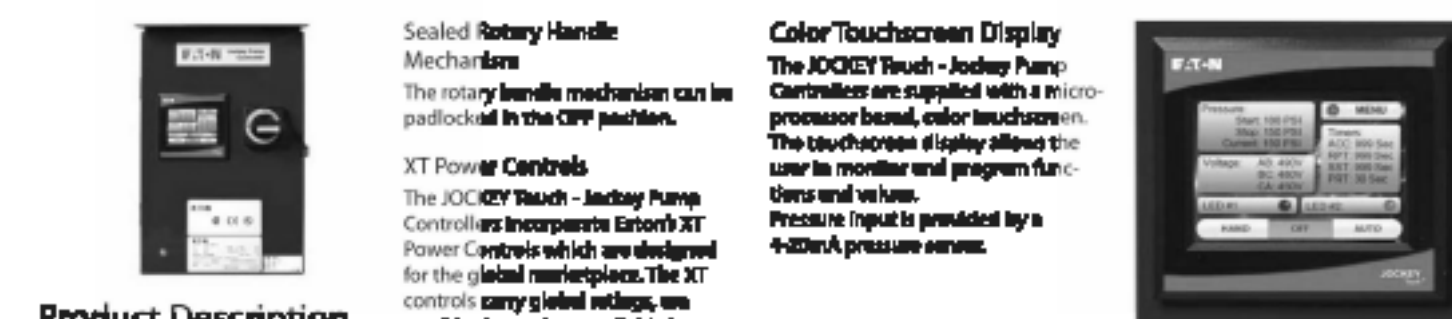
SHEET TITLE:
 FIRE PUMP DETAILS

PROJ. MGR.: -- SMC
 DRAWN: ZDE
 DATE: -- 06/24/24

JOB NO. 24-38

SHEET NO:
FP0.2

BRO81001EN Effective June 2015 Jockey Pump Controllers
Jockey Pump Controllers
 Microprocessor Based with Color Touchscreen



Sealed Rotary Handle Mechanism
 The rotary handle mechanism can be installed in the OVP position.
XT Power Controls
 The JOCKEY Touch - Jockey Pump Controller incorporates optional XT Power Controls which are designed for the (optional) remote location. The XT controls carry sealed cables, are small in size and are available in a wide variety of operating voltages. They are easy to install and maintain, due to their modular, plug-in design.

Universal Supply Voltage
 The controller will auto-select these three voltages easily from 200VAC to 600VAC, 50/60Hz and single phase from 110VAC to 200VAC, 50/60Hz, without the use of a recirculating transformer.

WYE-DELTA (Star-Delta) JOCKEY PUMP CONTROLLERS
 When star or wye-delta starts are required, the JOCKEY Touch - Jockey Pump Controller is equipped with a star or wye-delta starting sequence. The motor develops 10% of full-voltage starting torque and draws 20% of normal locked-rotor current from the line. After an adjustable three delay timing delay (which the motor manufacturer) is recommended for normal operation.

Product Features
 Combination Motor Controllers
 All JOCKEY Touch controllers are available with SOCOM combination motor controller, which combine the circuit breaker and overload in one device.



Standards & Certification
 The JOCKEY Touch - Jockey Pump Controller meets the requirements of the latest edition of NFPA 70 as well as exceeding CE mark requirements. They are also listed by Underwriters Laboratories (UL) and are approved by Canadian Standards Association (CSA).

AGROSS-THE-LINE (Direct On Line) JOCKEY PUMP CONTROLLERS

Line Voltage	200-208V	220-240V	380-415V	440-480V	520-600V
Motor Horsepower	1/2-2HP	1/2-2HP	1/2-2HP	1/2-2HP	1/2-2HP
Motor Temperature	175-200°C	175-200°C	175-200°C	175-200°C	175-200°C

WYE-DELTA (Star-Delta) JOCKEY PUMP CONTROLLERS

Line Voltage	200-208V	220-240V	380-415V	440-480V	520-600V
Motor Horsepower	1/2-2HP	1/2-2HP	1/2-2HP	1/2-2HP	1/2-2HP
Motor Temperature	175-200°C	175-200°C	175-200°C	175-200°C	175-200°C

Motor Hp	200-208V	220-240V	380-415V	440-480V	520-600V
0.33-0.75	80	0.33-0.75	80	0.33-1.0	80
1-2	85	1-2	85	2-5	85
3-4	82	4-5	82	7.5-18	82
5-18	18	7.5-18	18	18-20	18

Motor Hp	200-208V	220-240V	380-415V	440-480V	520-600V
0.33-0.5	65	0.33-1	85	0.5-2	80
0.75-1	42	1.2-3	42	3-1.5	80
1.5-2	18	3-4	18	2	42
				2-5	18

NOTES:
 1. Dimensions are in inches (mm) and may vary ±1/4".
 2. Dimensions applicable to both Class 1 and Class 200 ratings.
 3. Indenture show the internal protrusions and orientation of each fitting.
 4. Proper pipe supports are required to prevent strain on piping.
 5. Piping should be installed to meet the pump suction and discharge ratings to the actual system available pipe sizes. Refer to NFPA 70 for the minimum system available pipe for each flow rating (GPM), but do not exceed the system available pipe for smaller pipe size than that of the pump suction range.

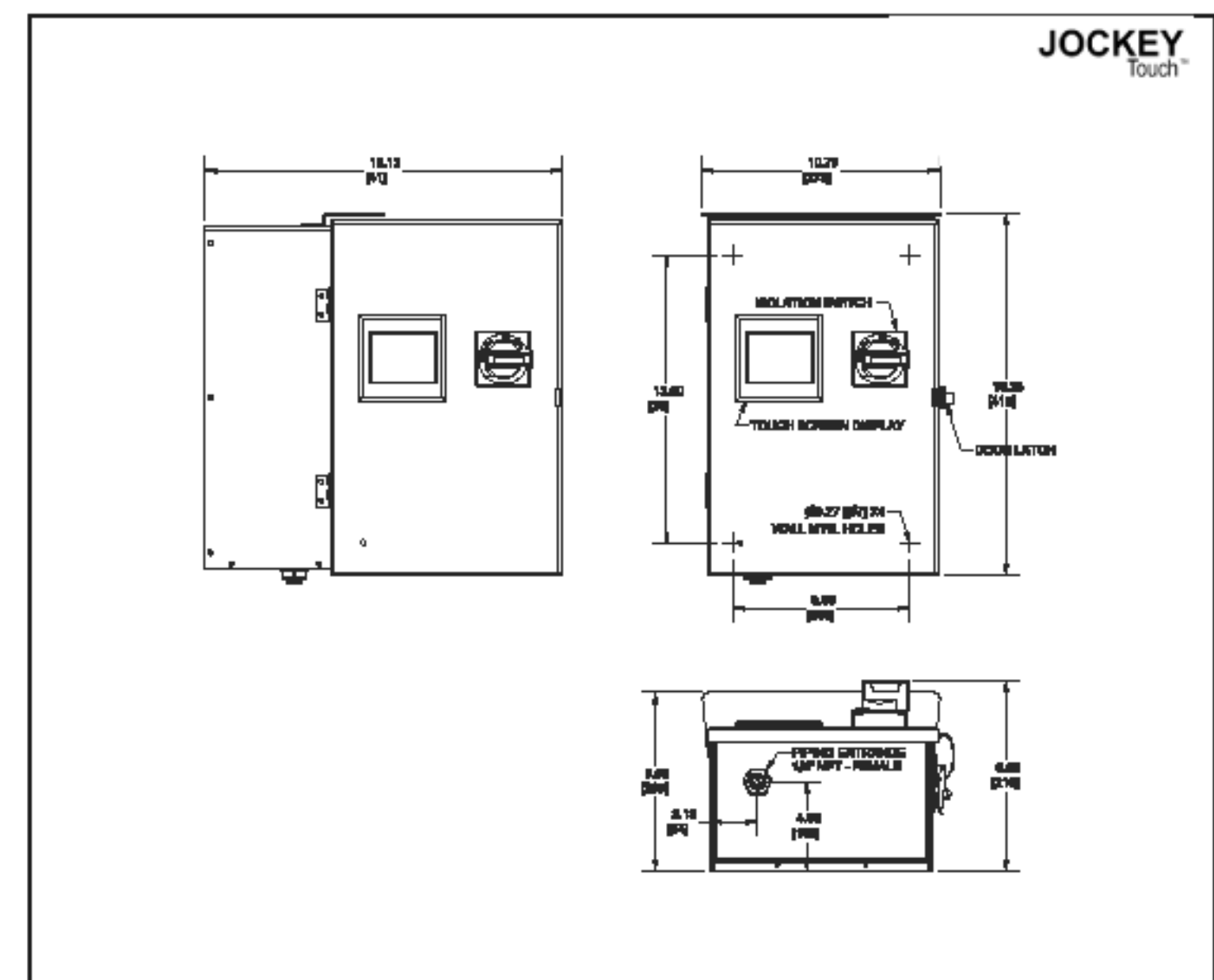
Customer Information

Customer	Hydro Technologies
Customer Code	220446
Job Name	SUMMITER CC 1001-1 ARCH COOL
Market	
Quote Date	07/11/2014
Quote Date	07/11/2014

Customer Information

Customer	Hydro Technologies
Customer Code	220446
Job Name	SUMMITER CC 1001-1 ARCH COOL
Market	
Quote Date	07/11/2014
Quote Date	07/11/2014

Technical Data MDC081001EN
 Standard Enclosure - Type NEMA 2
 Effective June 2015



200-208V

Motor Hp	200-208V	220-240V	380-415V	440-480V	520-600V
0.33-0.75	80	0.33-0.75	80	0.33-1.0	80
1-2	85	1-2	85	2-5	85
3-4	82	4-5	82	7.5-18	82
5-18	18	7.5-18	18	18-20	18

220-240V

Motor Hp	200-208V	220-240V	380-415V	440-480V	520-600V
0.33-0.5	65	0.33-1	85	0.5-2	80
0.75-1	42	1.2-3	42	3-1.5	80
1.5-2	18	3-4	18	2	42
				2-5	18

380-415V

Motor Hp	200-208V	220-240V	380-415V	440-480V	520-600V
0.33-0.5	65	0.33-1	85	0.5-2	80
0.75-1	42	1.2-3	42	3-1.5	80
1.5-2	18	3-4	18	2	42
				2-5	18

440-480V

Motor Hp	200-208V	220-240V	380-415V	440-480V	520-600V
0.33-0.5	65	0.33-1	85	0.5-2	80
0.75-1	42	1.2-3	42	3-1.5	80
1.5-2	18	3-4	18	2	42
				2-5	18

520-600V

Motor Hp	200-208V	220-240V	380-415V	440-480V	520-600V
0.33-0.5	65	0.33-1	85	0.5-2	80
0.75-1	42	1.2-3	42	3-1.5	80
1.5-2	18	3-4	18	2	42
				2-5	18

NOTES:
 1. Dimensions are in inches (mm) and may vary ±1/4".
 2. All dimensions are based on the pump and controller enclosure only and do not include the piping.
 3. All dimensions are based on the pump and controller enclosure only and do not include the piping.
 4. Standard enclosure type NEMA 2.

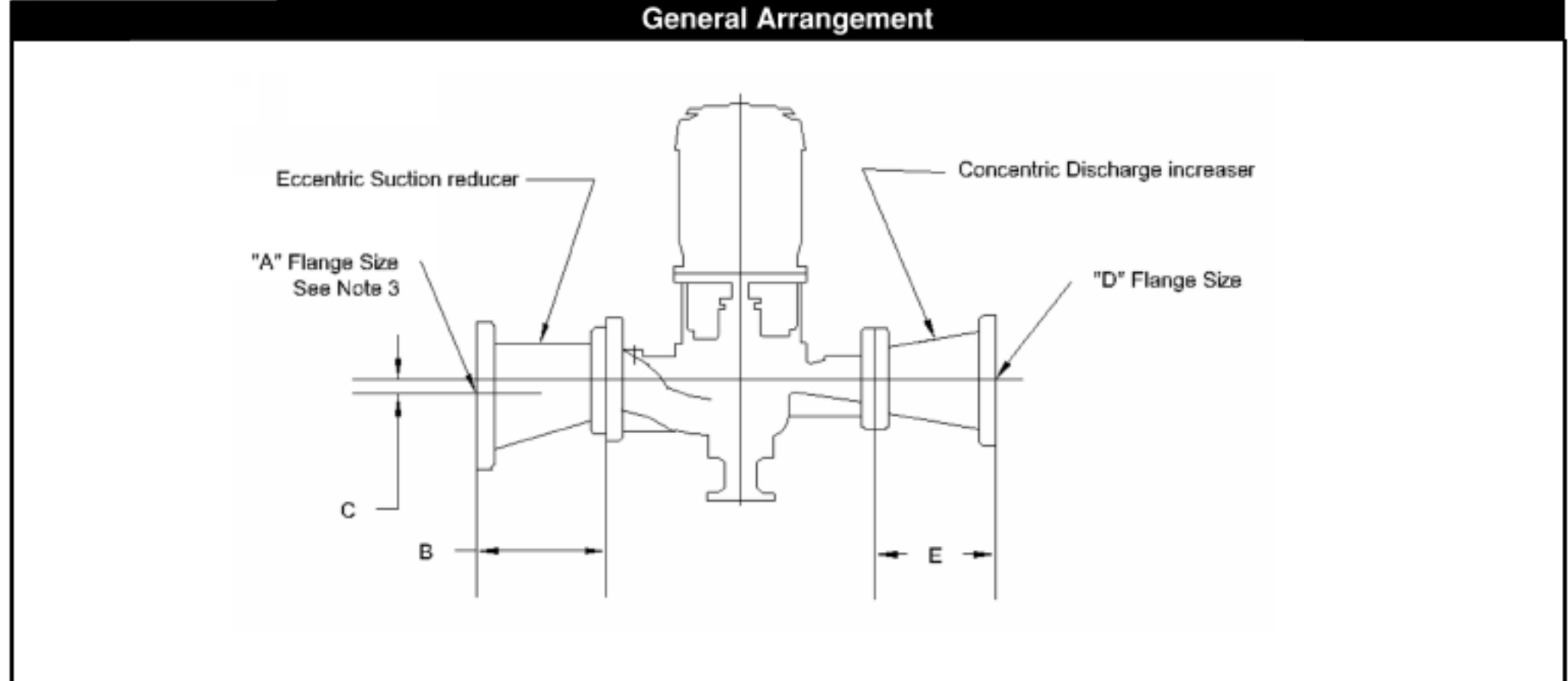


PIPING CONNECTION for AUTOMATIC PRESSURE SWITCH

DRW	PURCELL	DATE	5-14-90
SCALE	NONE	APP'D	A.J.

NOTES:
 1. IF WATER FILTRATION CAUSED FREQUENT OPERATION OF THE PRESSURE SWITCH OF THE RECORDER, A SUPPLEMENTAL AIR CHAMBER OR PLASTIC DAMPER MAY BE NECESSARY.
 2. CHECK VALVE WITH 3/8" ORIFICE IS CLAMPER.
 3. HOT LESS THAN 1/2" BRASS PIPE WITH BRASS FITTINGS OR EQUIVALENT.
 4. DISCHARGE VALVE WITH 3/8" ORIFICE IS CLAMPER.
 5. DISCHARGE VALVE WITH 3/8" ORIFICE IS CLAMPER.
 6. DISCHARGE VALVE WITH 3/8" ORIFICE IS CLAMPER.
 7. DISCHARGE VALVE WITH 3/8" ORIFICE IS CLAMPER.
 8. DISCHARGE VALVE WITH 3/8" ORIFICE IS CLAMPER.
 9. DISCHARGE VALVE WITH 3/8" ORIFICE IS CLAMPER.
 10. DISCHARGE VALVE WITH 3/8" ORIFICE IS CLAMPER.

PENTAIR Encapsures 8.0 - 26.1.1



Suction Size	A	B	C	Suction Reducer Pipe Rating
8-0	8.00	11.00	1.00	150 lb

Discharge Size	D	E	Minimum Suction Pipe Rating
8-0	8.00	9.00	150 lb

NOTES:
 1. Dimensions are in inches (mm) and may vary ±1/4".
 2. Dimensions applicable to both Class 1 and Class 200 ratings.
 3. Indenture show the internal protrusions and orientation of each fitting.
 4. Proper pipe supports are required to prevent strain on piping.
 5. Piping should be installed to meet the pump suction and discharge ratings to the actual system available pipe sizes. Refer to NFPA 70 for the minimum system available pipe for each flow rating (GPM), but do not exceed the system available pipe for smaller pipe size than that of the pump suction range.

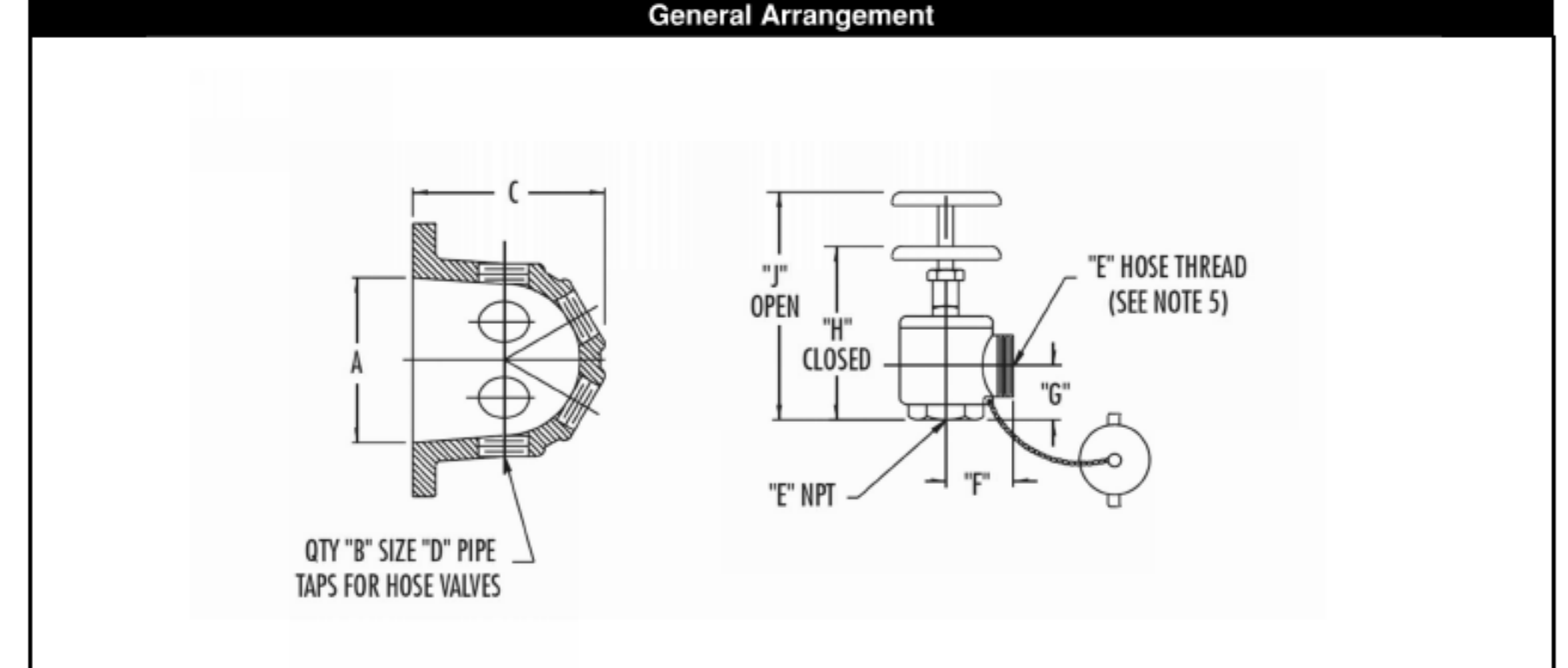
Customer Information

Customer	Hydro Technologies
Customer Code	220446
Job Name	SUMMITER CC 1001-1 ARCH COOL
Market	
Quote Date	07/11/2014
Quote Date	07/11/2014

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PENTAIR Encapsures 8.0 - 26.1.1



Suction Size	A	B	C	Suction Reducer Pipe Rating
8-0	8.00	11.00	1.00	150 lb

Discharge Size	D	E	Minimum Suction Pipe Rating
8-0	8.00	9.00	150 lb

NOTES:
 1. Dimensions are in inches (mm) and may vary ±1/4".
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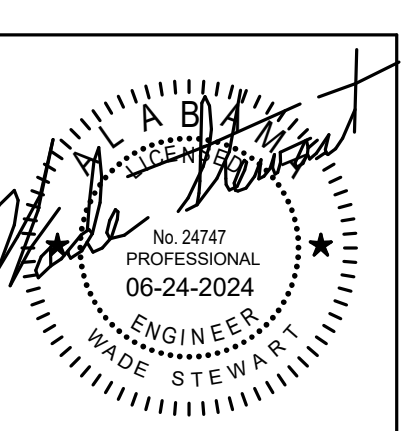
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Customer	Hydro Technologies
Customer Code	220446
Job Name	SUMMITER CC 1001-1 ARCH COOL
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Quote Date	07/11/2014
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Customer Information

Customer	Hydro Technologies
Customer Code	220446
Job Name	SUMMITER CC 1001-1 ARCH COOL
Market	
Quote Date	07/11/2014
Quote Date	07/11/2014

ELEMENTARY ADDITION TO
SUMMITER CENTRAL HIGH SCHOOL
 13878 US HIGHWAY 11, YORK, AL 36925
 SUMMITER COUNTY BOARD OF EDUCATION



SHEET TITLE:
 FIRE PUMP DETAILS (CONT.)

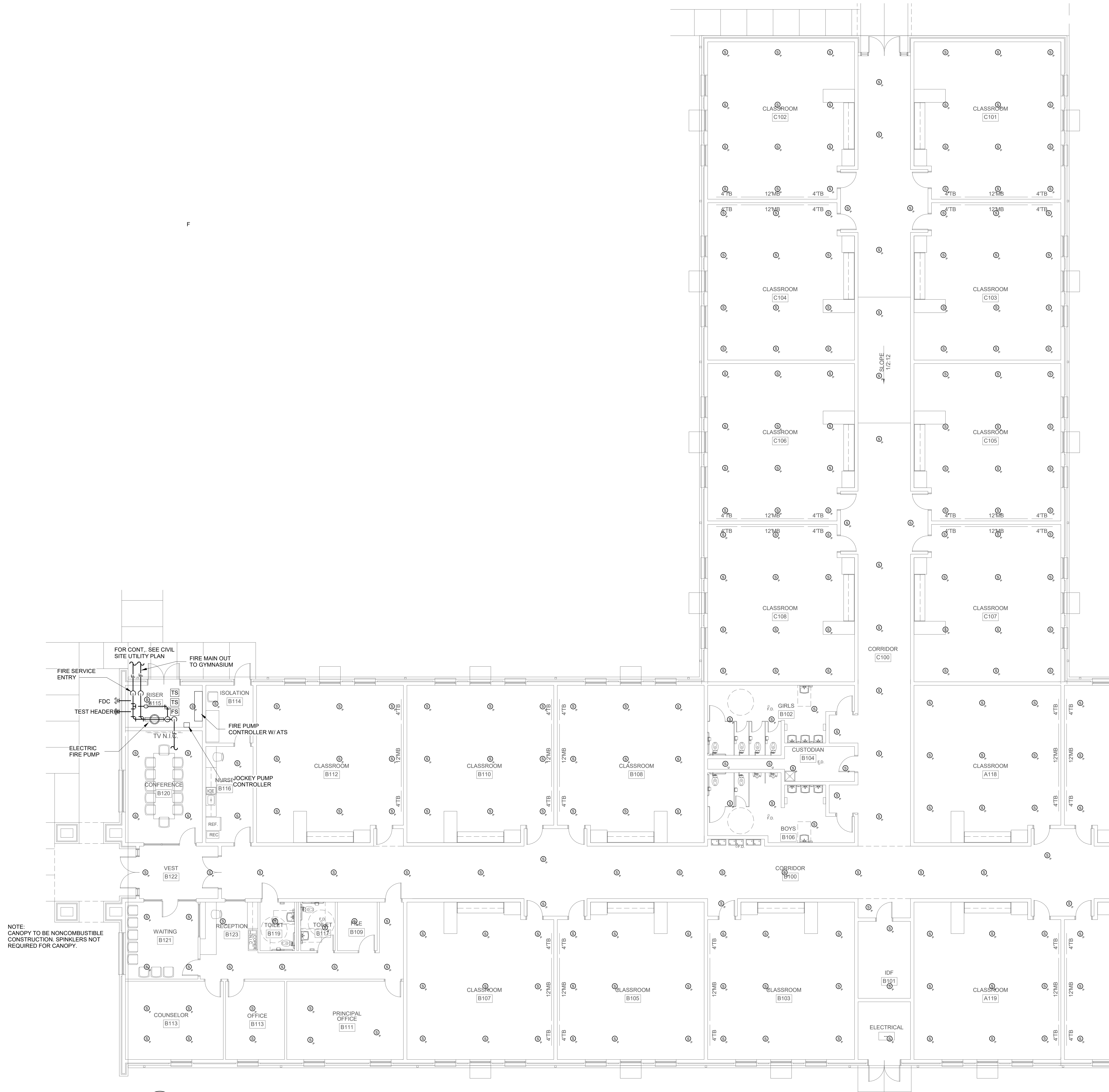
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 DRAWN: ZDE

DATE: -- 06/24/24

REVISIONS

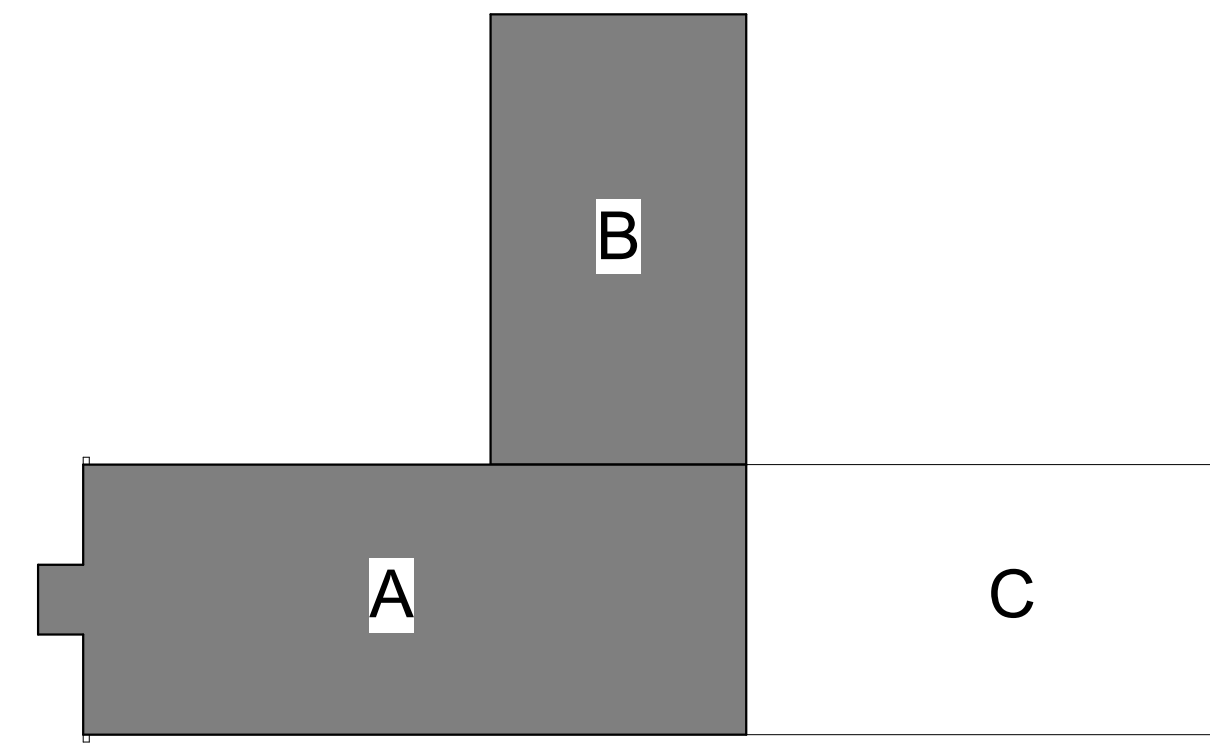
JOB NO. 24-38

SHEET NO.
FP0.3

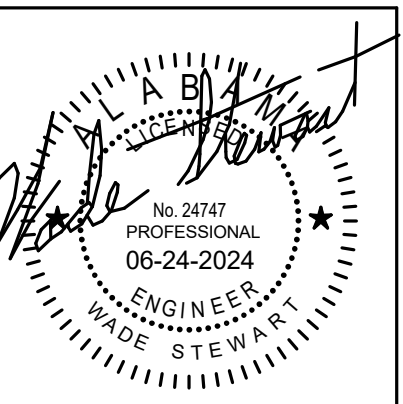


NOTE:
 CANOPY TO BE NONCOMBUSTIBLE
 CONSTRUCTION. SPRINKLERS NOT
 REQUIRED FOR CANOPY.

1 FIRE PROTECTION - FLOOR PLAN - PART A
 1/8" = 1'-0"



KEY PLAN
 SCALE: N.T.S.



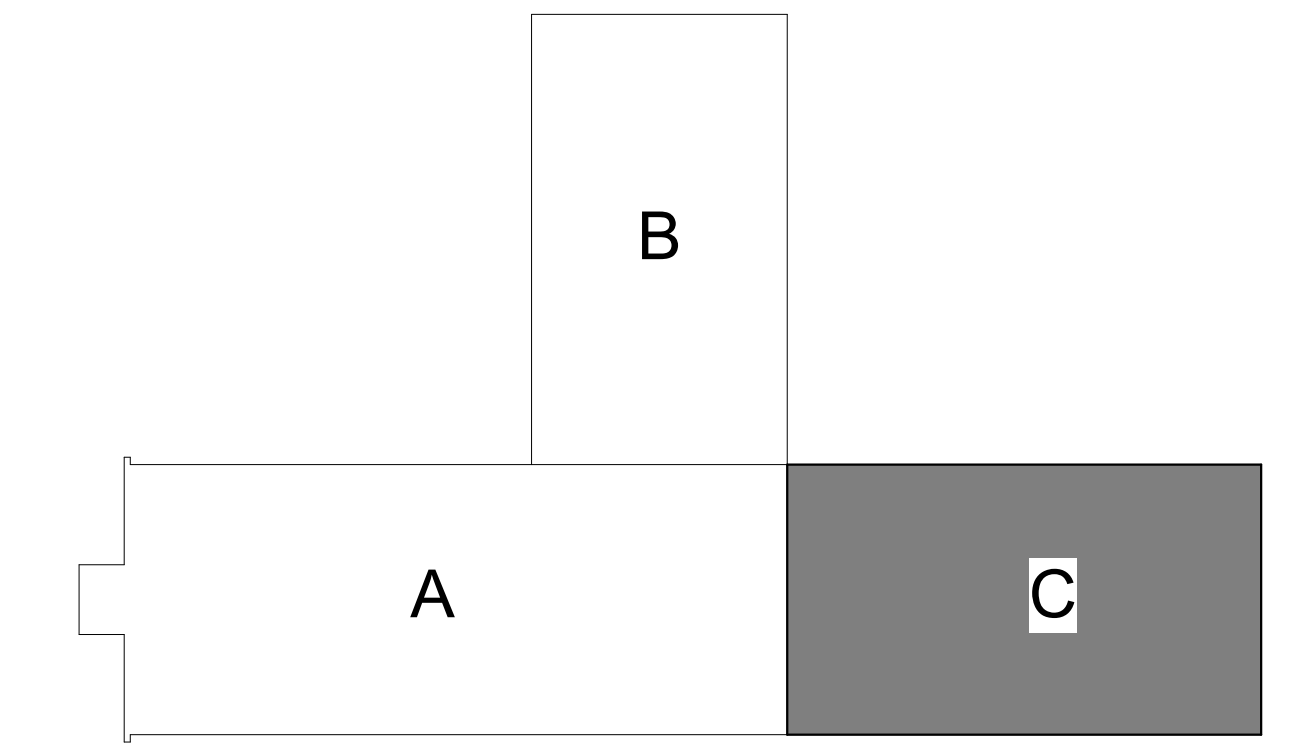
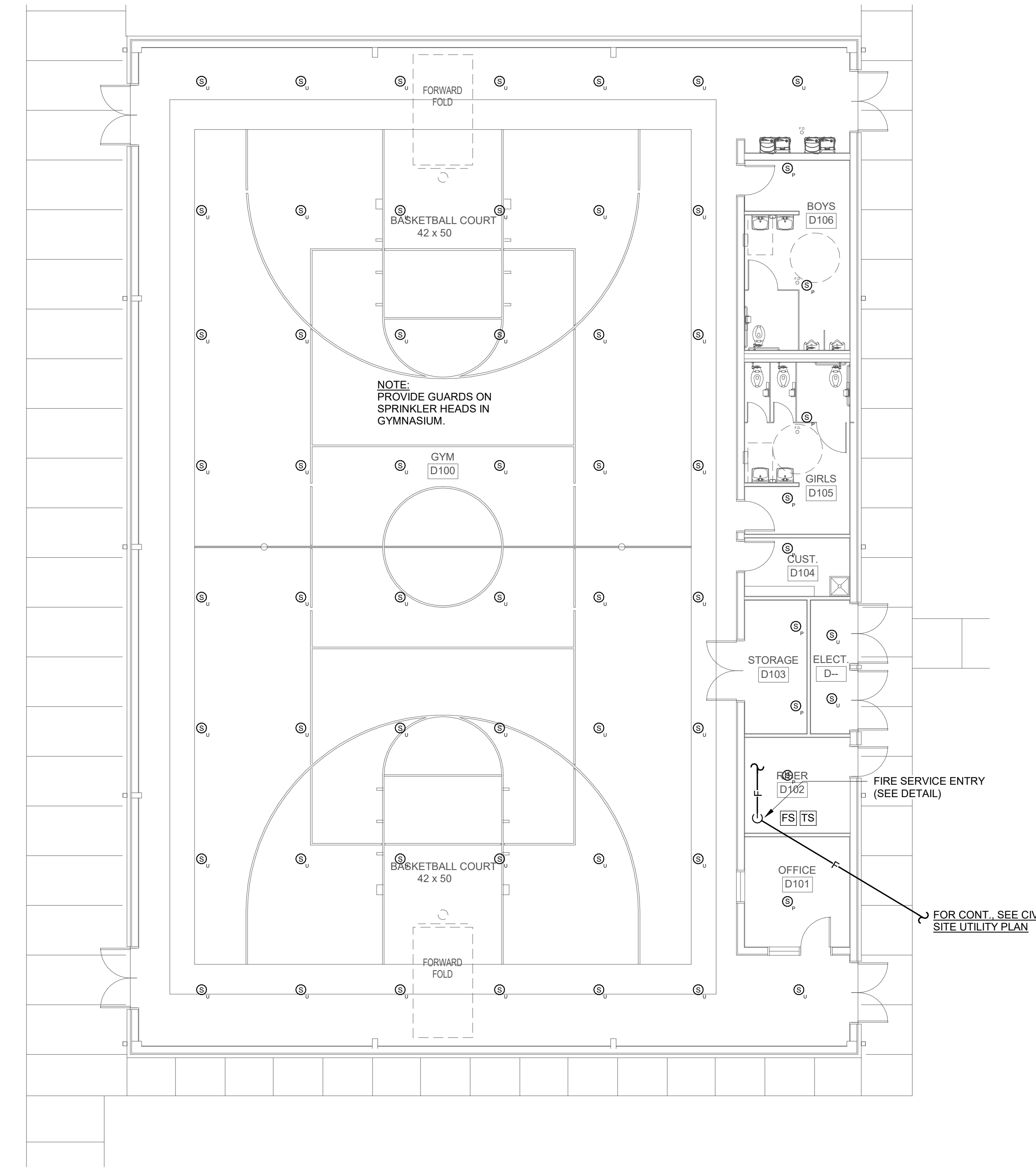
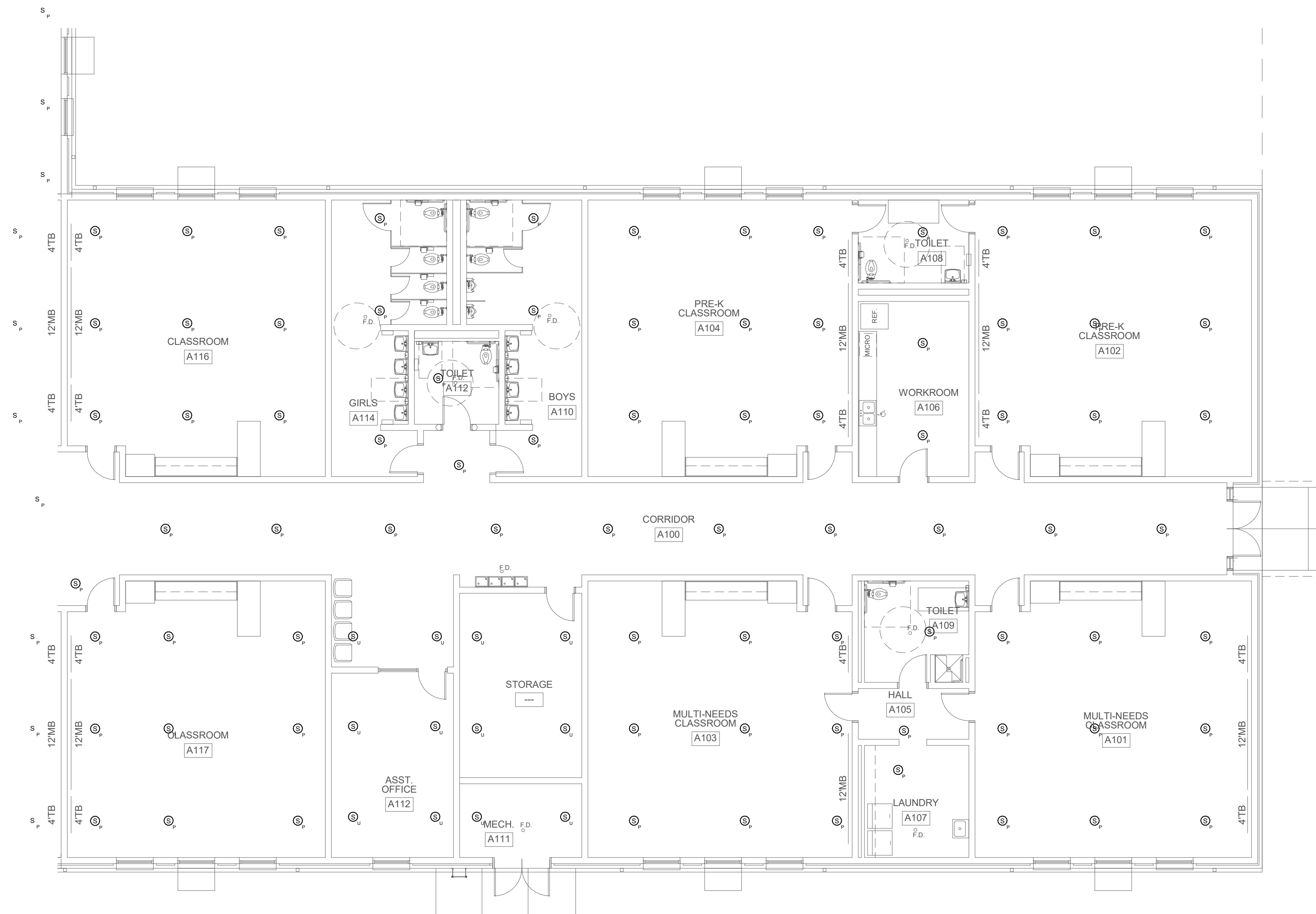
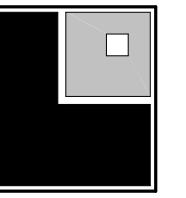
SHEET TITLE:
 FIRE PROTECTION - FLOOR
 PLAN - PART A & B

PROJ. MGR.: -- SMC
 DRAWN: -- ZDE
 DATE: -- 06/24/24
 REVISIONS

JOB NO. 24-38

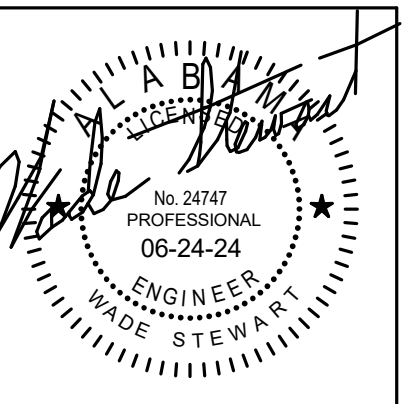
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4 OF 5



KEY PLAN
 SCALE: N.T.S.

ELEMENTARY ADDITION TO
SUMNER CENTRAL HIGH SCHOOL
 13878 US HIGHWAY 11, YORK, AL 36925
 SUMNER COUNTY BOARD OF EDUCATION



SHEET TITLE:
 FIRE PROTECTION - FLOOR
 PLAN - PART C & GYM

PROJ. MGR.:	SMC
DRAWN:	ZDE
DATE:	06/24/24
REVISIONS	

JOB NO. 24-38
 SHEET NO.
FP1.1
 5 OF 5

GENERAL NOTES

- LOCATIONS OF UTILITIES SHOWN ON PLANS ARE APPROXIMATE. VERIFY WITH LOCAL UTILITY PRIOR TO BIDDING.
- CONTRACTOR SHALL VERIFY EXACT LOCATION, SIZE, AND ELEVATION OF ALL EXISTING SERVICES PRIOR TO INSTALLING ANY NEW PIPE.
- ALL OUTSIDE CLEANOUTS SHALL BE BROUGHT TO GRADE AND EMBEDDED IN 18"X18"X16" THICK CONCRETE PAD. (J.R. SMITH 4258 OR EQUAL.)
- WHEREVER DISSIMILAR METALS ARE CONNECTED ON WATER LINES, A DIELECTRIC UNION SHALL BE USED.
- ALL HORIZONTAL WATER AND VENT PIPING SHALL BE RUN ABOVE CEILING ON PLAN WHERE SHOWN UNLESS OTHERWISE NOTED.
- ALL HORIZONTAL SANITARY PIPING IS RUN BELOW FLOOR ON PLAN WHERE SHOWN UNLESS OTHERWISE NOTED.
- ALL WATER PIPING BELOW SLAB ON GRADE SHALL BE BENT UP AT ENDS SO THAT NO JOINTS OCCUR BELOW FLOOR.
- ALL WALL HYDRANTS AND HOSE BIBBS SHALL BE MOUNTED 24" ABOVE FINISH GRADE OF FINISH FLOOR UNLESS OTHERWISE NOTED.
- ALL WATER PIPING INSTALLED IN EXTERIOR WALLS SHALL BE LOCATED ON THE INTERIOR SIDE OF THE EXTERIOR WALL INSULATION.
- NO VENT THRU ROOF IS TO BE LOCATED WITHIN 10 FEET OF ANY BUILDING AIR INTAKES, PER CODE. COORDINATE WITH MECHANICAL AND GENERAL CONTRACTORS.
- DOMESTIC WATER PIPING AND FIRE PROTECTION PIPING LOCATED ABOVE THE CEILING, SHALL BE INSTALLED BELOW CEILING INSULATION.
- CONTRACTOR SHALL COORDINATE MECHANICAL FLOOR DRAIN LOCATIONS WITH MECHANICAL EQUIPMENT PRIOR TO INSTALLATION.
- CONTRACTOR SHALL PROVIDE SHOCK ARRESTORS ON ALL BRANCH LINES.
- CONTRACTOR SHALL COORDINATE ALL SINKS WITH CASEWORK PRIOR TO ORDERING SINKS.
- DOMESTIC WATER PIPING SHALL NOT BE INSTALLED IN EXTERIOR WALLS.
- PROVIDE DISINFECTION OF WATER PIPING SYSTEM WITH CHLORINE SOLUTION AS PER CODE.
- INSTALLATION OF BACKFLOW PREVENTER SHALL COMPLY WITH CURRENT INTERNATIONAL BUILDING CODE AND CURRENT INTERNATIONAL PLUMBING CODE.
- ALL OVERHEAD WATER PIPING TO BE RUN BELOW INSULATION AT BOTTOM OF TRUSSES FOR FREEZE PROTECTION.
- ALL WALL HYDRANTS TO BE FREEZE PROOF AND TO HAVE VACUUM BREAKERS.
- INSULATION ON ALL PIPING SHALL MEET SMOKE/FLAME RATINGS OF 25 & 50.
- NO JOINTS IN WATER PIPING BELOW SLAB.
- THE LOCATION OF LAVATORIES AND WATER CLOSETS RELATIVE TO THE FINISHED WALL IS CRITICAL. REFER TO ARCHITECTURAL AND THE SPECIFICATIONS FOR ADDITIONAL INFORMATION. ALL WATER CLOSETS TO BE 18" FROM FINISH WALL TO CENTER OF WATER CLOSET.
- WATER HAMMER ARRESTORS ARE REQUIRED TO PROTECT WATER PIPING SYSTEMS WHERE QUICK-CLOSING VALVES ARE UTILIZED. WATER HAMMER ARRESTORS SHALL CONFORM TO ASSE 1010.
- THESE DRAWINGS NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS. IT IS INTENDED THAT A COMPLETE PLUMBING SYSTEM 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 PLUMBING SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS AND THESE CONTRACT DOCUMENTS SHALL BE FURNISHED WITHOUT INCURRING ANY ADDITIONAL COST TO THE PROJECT. CAREFULLY REVIEW ALL CONTRACT DOCUMENTS AND THE DESIGN OF OTHER TRADES BEFORE PREPARING SHOP DRAWINGS.
- COORDINATE PLUMBING PIPING WITH STRUCTURAL, PLUMBING, HVAC, AND ELECTRICAL. MAKE OFFSETS AND TRANSITIONS TO COORDINATE WITH OTHER TRADES WITHOUT ANY ADDITIONAL COST TO THE PROJECT.
- COORDINATE ALL PLUMBING IN SLAB WITH BUILDING FOOTINGS.
- NO PIPING TO BE RUN ABOVE ELECTRICAL PANELS. MAINTAIN ALL REQUIRED CLEARANCES.
- CONTRACTOR SHALL VISIT JOB SITE AND VERIFY EXISTING CONDITIONS BEFORE SUBMITTING A PRICE. ORDERING MATERIALS OR PERFORMING ANY WORK. NOTIFY THE ARCHITECT OF ANY DEVIATION FROM PLUMBING PLAN.
- SUPPORT PIPE AS REQUIRED BY THE CURRENT INTERNATIONAL PLUMBING CODE.
- ALL FOOTINGS AT PLUMBING CHASE WALLS SHALL BE MIN 24" BELOW FINISHED GRADE TO COORDINATE WITH WASTE PIPING IN SLAB.
- FIRESTOP ALL RATED WALL AND FLOOR PENETRATIONS. SEE ARCHITECTURAL DRAWINGS FOR RATED WALL AND FLOOR LOCATIONS.
- OFFSET ALL VTR'S TO BACKSIDE OF ROOF RIDGE.
- DO NOT BEGIN WORK UNTIL ELEVATION OF FINAL CONNECTION POINT IS VERIFIED AND GRADING OF ENTIRE SYSTEM CAN BE DETERMINED (EVEN IF FINAL CONNECTION IS SPECIFIED UNDER ANOTHER SECTION).

PLUMBING LEGEND

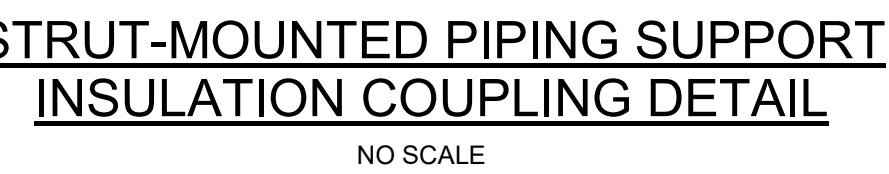
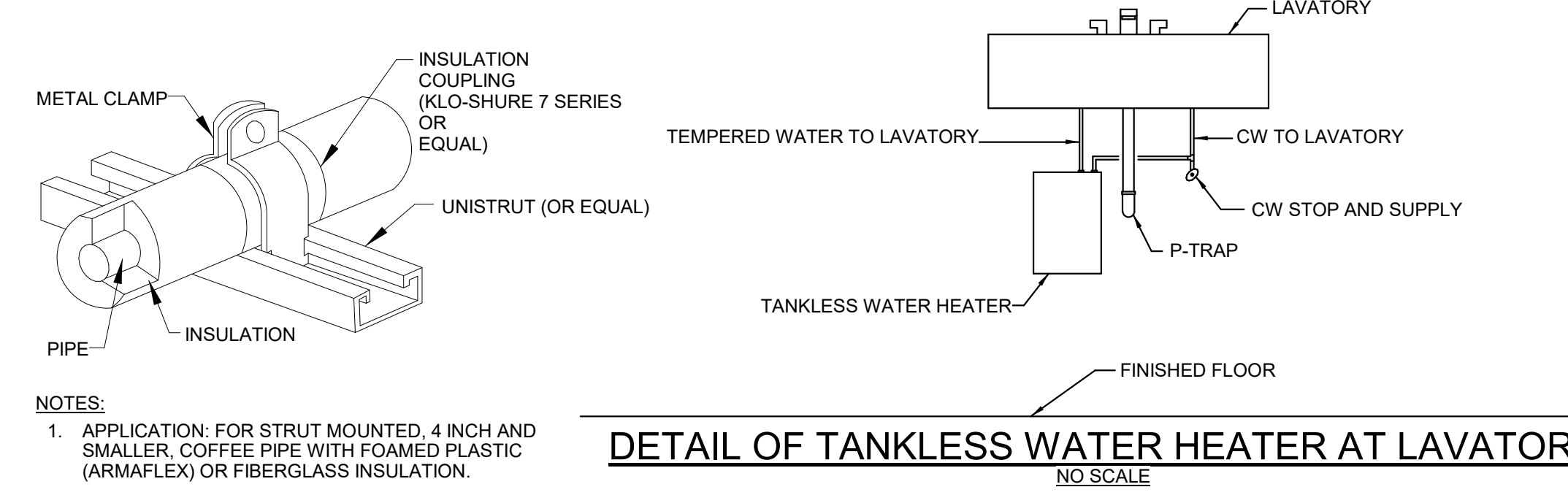
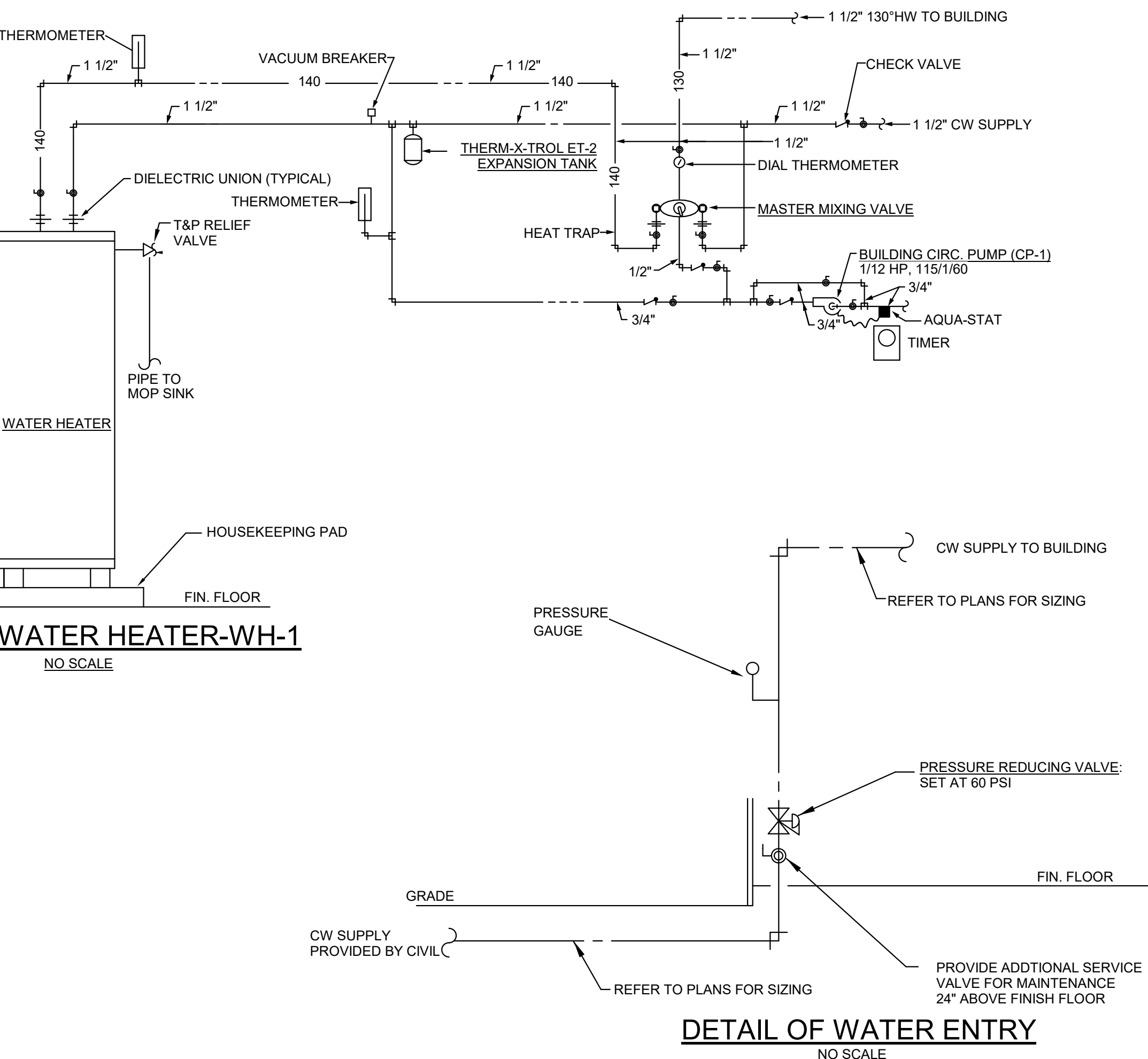
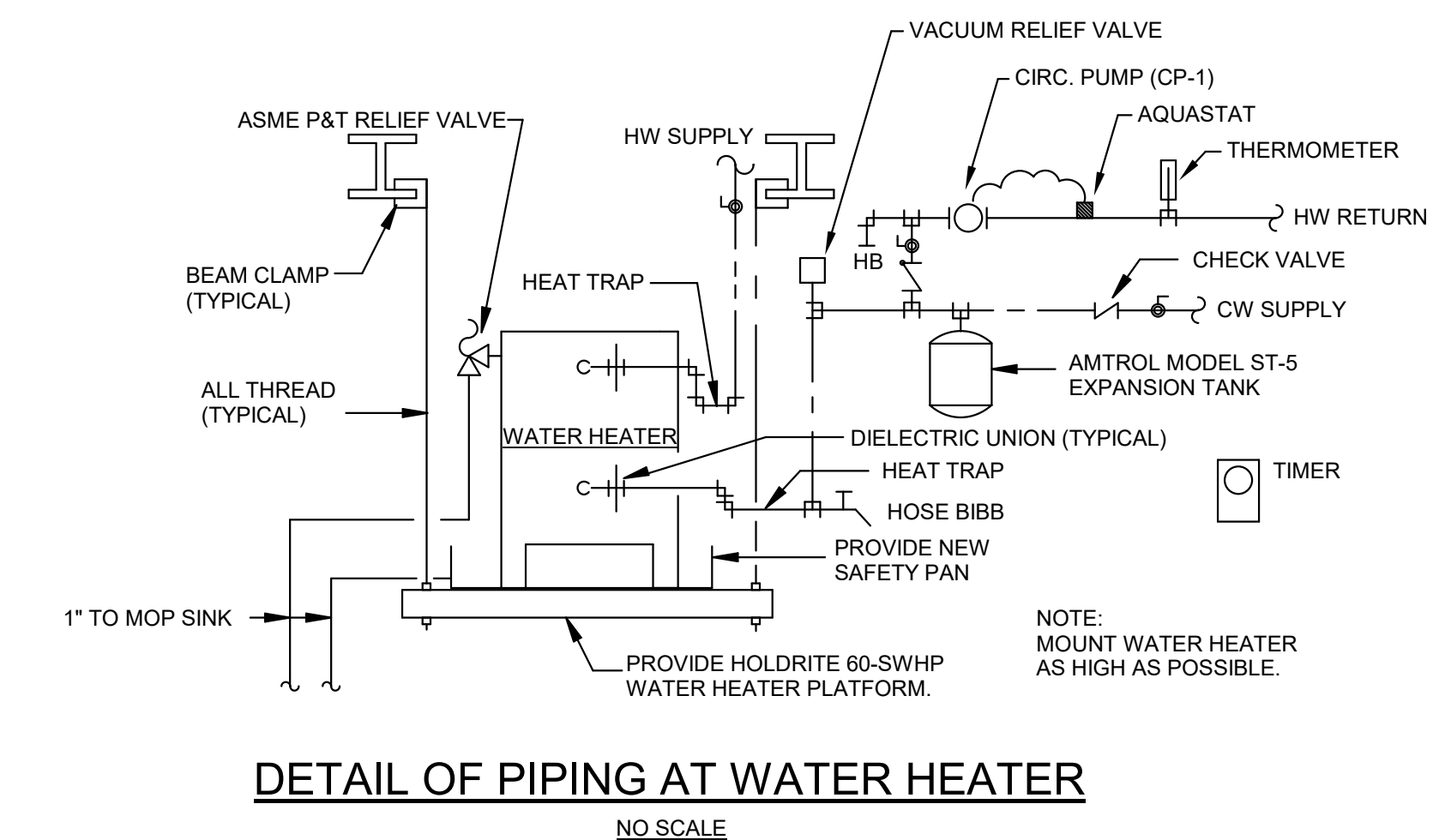
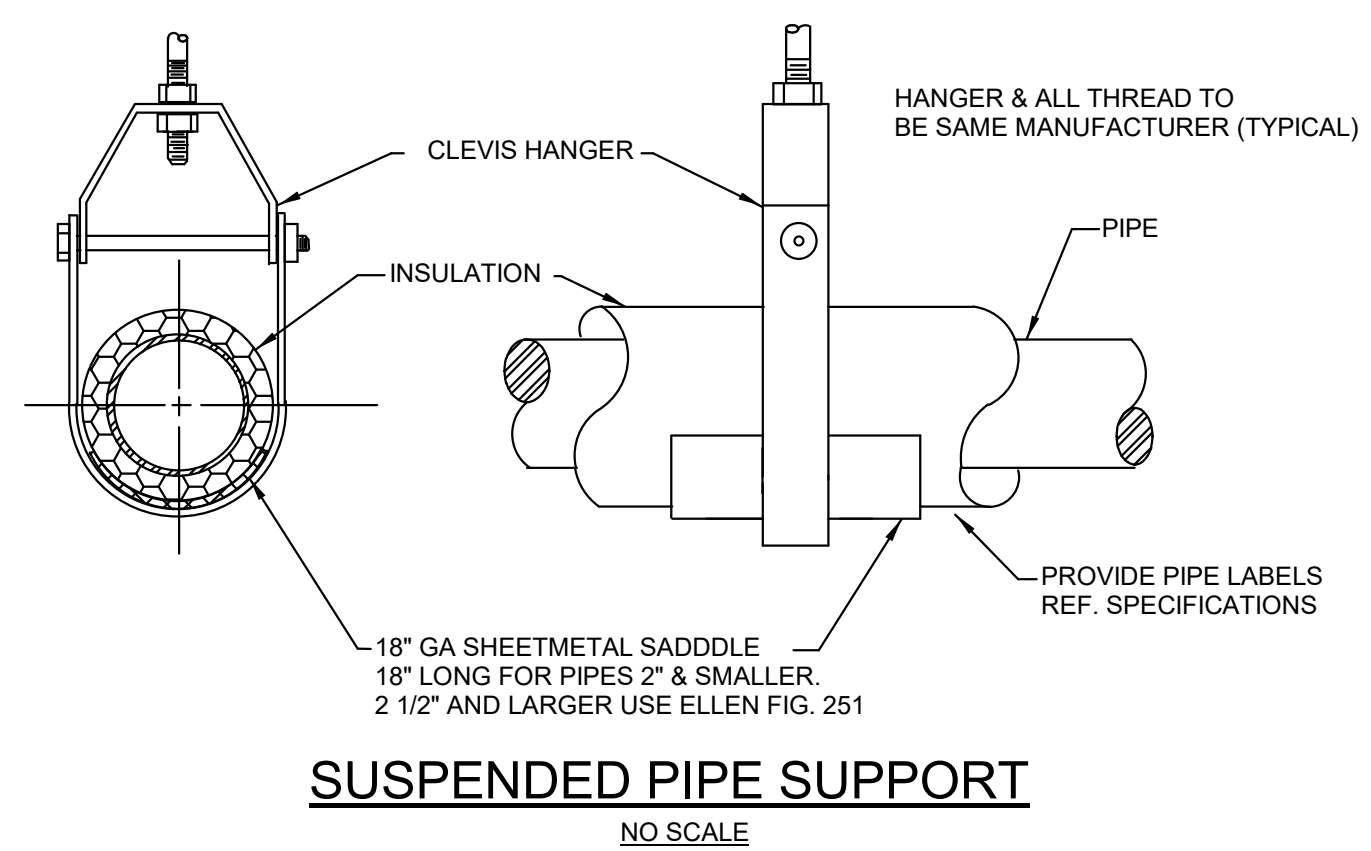
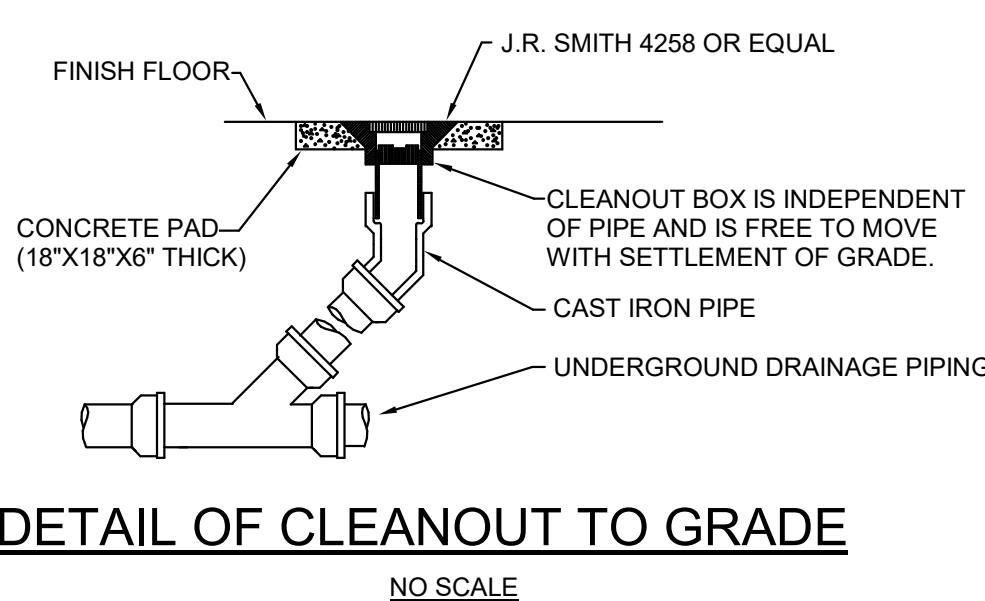
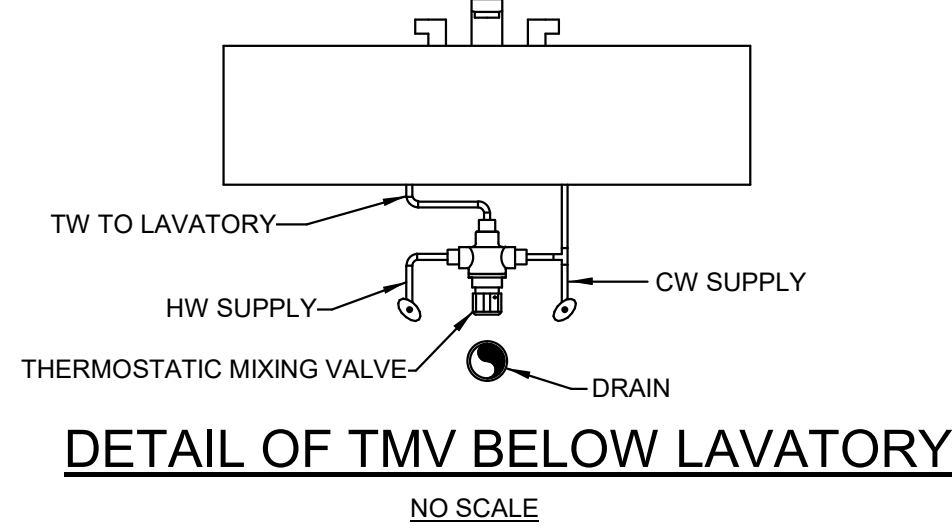
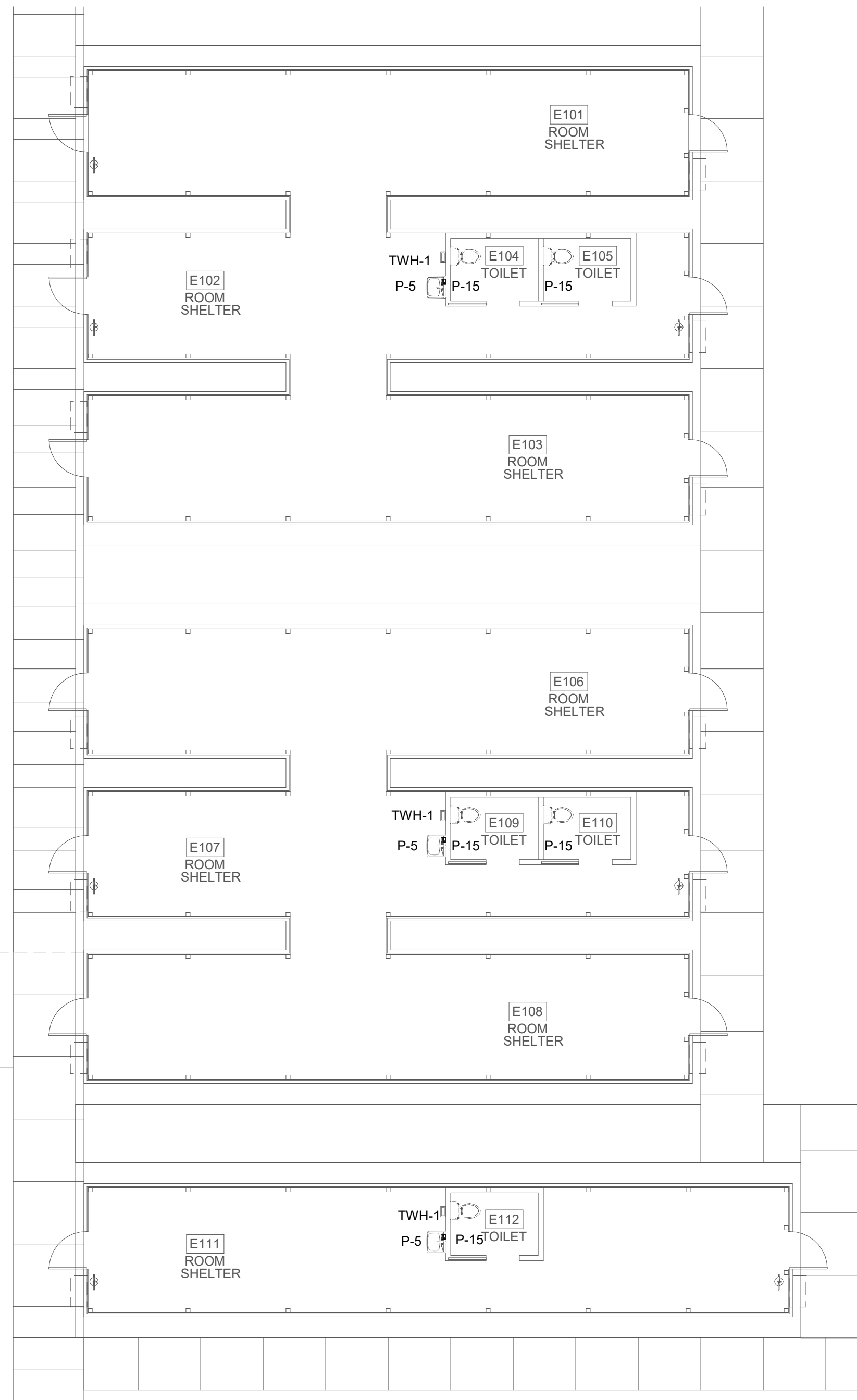
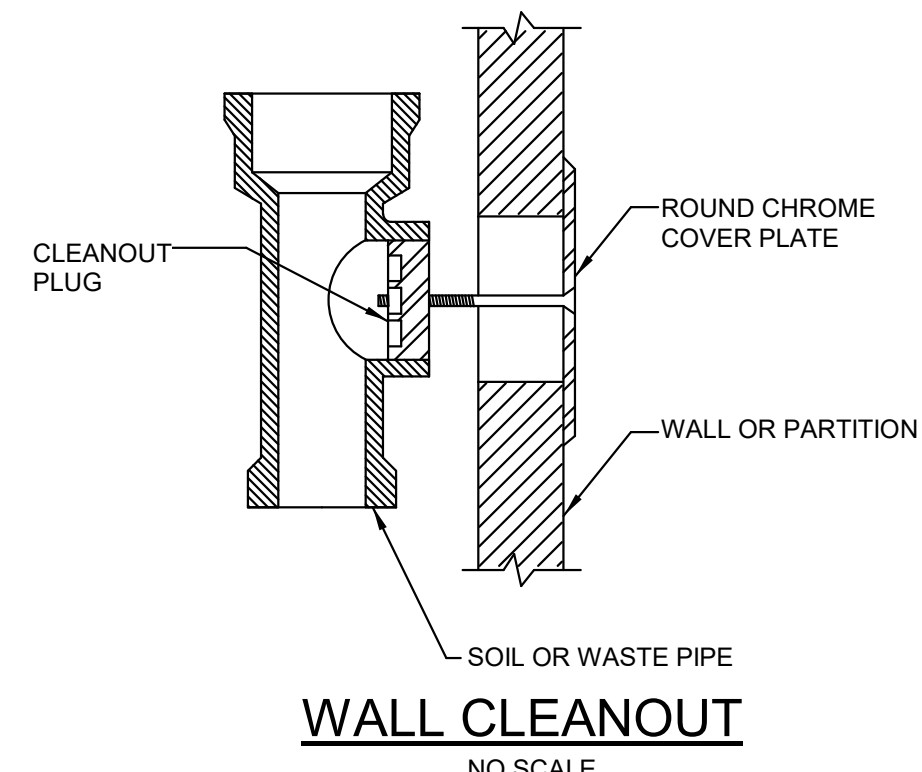
---	DOMESTIC COLD WATER	—N—	CHECK VALVE	DN	DOWN
---	DOMESTIC HOT WATER SUPPLY	PRV	PRESSURE RELIEF VALVE	WH - #	WATER HEATER
---	DOMESTIC HOT WATER RETURN	CO	CLEANOUT	GPH	GALLONS PER HOUR
---	SOIL, WASTE, OR SANITARY SEWER	FD	FLOOR DRAIN	GPM	GALLONS PER MINUTE
---	VENT	FS	FLOOR SINK	HW	HOT WATER
---	PIPE TURNING DOWN	P-#	PLUMBING FIXTURE	HWR	HOT WATER RETURN
---	PIPE TURNING UP	WH	WALL HYDRANT	TYP	TYPICAL
---	TEE DOWN	ABV	ABOVE	VS	VENT STACK
---	TEE UP	AFF	ABOVE FINISHED FLOOR	VSTR	VENT THROUGH ROOF
---	UNION	BFF	BACKFLOW PREVENTER	MFD	MECHANICAL FLOOR DRAIN
---	BALANCE VALVE	BFP	BELOW FINISHED FLOOR	WS	WASTE STACK
---	BALL VALVE	CW	COLD WATER	HB	HOSE BIBB
#	RISER NUMBER				

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	WASTE	CW	HW	REMARKS
FD	FLOOR DRAIN	SEE PLAN	-	-	J.R. SMITH #2010 WITH 6" ROUND NICKEL BRONZE GRATE. PROVIDE WITH J.R. SMITH TRAP INSERT.
FS	FLOOR SINK	SEE PLAN	-	-	J.R. SMITH #3100, 8" SQUARE, PORCELAIN ENAMELED CAST IRON INTERIOR WITH 3/4" CAST IRON PORCELAIN ENAMELED GRATE AND DOME BOTTOM STRAINERS. PROVIDE WITH J.R. SMITH TRAP INSERT.
MFD	MECHANICAL FLOOR DRAIN	SEE PLAN	-	-	J.R. SMITH #2240 WITH SEDIMENT BUCKET. PROVIDE WITH J.R. SMITH TRAP INSERT.
P-1	WATER CLOSET - ADA COMPLIANT	4"	1"	-	FLOOR MOUNTED - KOHLER K-9607-SS-0 COMPLETE SLOAN #111 FLUSH VALVE WITH YJ BRACKET AND CHURCH "DURA GUARD" MODEL # 2155 SSC SEAT.
P-2	WATER CLOSET	4"	1"	-	FLOOR MOUNTED - KOHLER K-9603-SS-0 COMPLETE SLOAN #111 FLUSH VALVE WITH YJ BRACKET AND CHURCH "DURA GUARD" MODEL #2155 SSC SEAT.
P-3	URINAL - ADA COMPLIANT	3"	1"	-	WALL MOUNTED-KOHLER K-5016-ET COMPLETE, K-9183 STAINLESS STEEL STRAINER, J.R. SMITH #623 FIXTURE SUPPORT, AND SLOAN #186 FLUSH VALVE WITH YJ BRACKET. SET LIP 17" AFF.
P-4	URINAL	3"	1"	-	WALL MOUNTED-KOHLER K-5016-ET COMPLETE, K-9183 STAINLESS STEEL STRAINER, J.R. SMITH #623 FIXTURE SUPPORT, AND SLOAN #186 FLUSH VALVE WITH YJ BRACKET.
P-5	LAVATORY - ADA COMPLIANT	1 1/4"	1/2"	1/2"	WALL HUNG - KOHLER K-2032 (20" X 18") COMPLETE, SYMMONS S-20-0 FAUCET, K7715 OUTLET WITH TAILPIECE, J.R. SMITH #700-M31-Z FIXTURE SUPPORT, MCGUIRE #165 SUPPLIES WITH STOPS AND MCGUIRE #8872 P-TRAP. INSULATE P-TRAP, STOPS AND SUPPLIES WITH "PRO-WRAP" BY MCGUIRE. MOUNT WITH RIM MAXIMUM 34" AFF. PROVIDE LAWLER 570 THERMOSTATIC MIXING VALVE MOUNTED BELOW LAVATORY. RUN 100' F WATER TO FAUCET. MUST MEET A.D.A. GUIDELINES.
P-6	LAVATORY	1 1/4"	1/2"	1/2"	WALL HUNG - KOHLER K-2032 (20" X 18") COMPLETE, SYMMONS S-20-0 FAUCET, K7715 OUTLET WITH TAILPIECE, J.R. SMITH #700-M31-Z FIXTURE SUPPORT, MCGUIRE #165 SUPPLIES WITH STOPS AND MCGUIRE #8872 P-TRAP. INSULATE P-TRAP, STOPS AND SUPPLIES WITH "PRO-WRAP" BY MCGUIRE. PROVIDE LAWLER 570 THERMOSTATIC MIXING VALVE MOUNTED BELOW LAVATORY. RUN 100' F WATER TO FAUCET.
P-7	DOUBLE BOWL SINK	1 1/2"	1/2"	1/2"	ELKAY LRAD-3321, LK-35 STRAINERS, SYMMONS S-23-3 FAUCET WITH SPRAY. MCGUIRE #8912 P-TRAP, CONTINUOUS WASTE OUTLET, AND #165 STOPS WITH SUPPLIES.
P-8	MOP SINK	3"	1/2"	1/2"	STERN WILLIAMS #85C-1700 (24" X 24") COMPLETE, T-35 HOSE WITH WALL HOOK, STAINLESS STEEL BACKSPASH AND CHICAGO FAUCET #897 FAUCET.
P-9	REF. ICE MAKER BOX	-	1/2"	-	FURNISHED AND INSTALLED UNDER ANOTHER SECTION. PROVIDE IN WALL BEHIND REFRIGERATOR A GUY GRAY MODEL "B" 16 GAUGE ALL METAL BOX LESS DRAIN AND SUPPLIES. PROVIDE IN BOX A 1/2" BALL VALVE WITH 10 FEET OF 1/4" SOFT COPPER COILED IN BOX FOR CONNECTION TO REFRIGERATOR ICE MAKER.
P-10	WASHING MACHINE BOX (RESIDENTIAL)	1 1/2"	1/2"	1/2"	GUY GRAY #WB-200. PROVIDE SHOCK ARRESTORS P.O. SIZE 1" ABOVE CEILING ON HOT AND COLD WATER LINES.
P-11	WATER COOLER - ADA COMPLIANT	1 1/2"	1/2"	-	ELKAY # EZSTLWSSK BI-LEVEL WATER COOLER WITH BOTTLE FILLER STATION. COMPLETE WITH STAINLESS STEEL CABINET AND WATERWAYS THAT ARE MANUFACTURED OF 100% LEAD FREE MATERIAL. J.R. SMITH #834 FIXTURE SUPPORT EBC T150 P-TRAP AND EBC LA10 STOP WITH SUPPLY. FULLY INSULATE P-TRAP WITH EBC IK INSULATOR. INSTALL WITH LOWER SPOUT OUTLET MAXIMUM 36" AFF. MUST MEET A.D.A. INSTALL WITH BOTTLE FILLER. INSTALL COMPLETE. PROVIDE WITH ELKAY MODEL #KAPREZL CANE APRON AS REQUIRED.
P-12	WATER COOLER - ADA COMPLIANT	1 1/2"	1/2"	-	ELKAY # EZSTLWSSK BI-LEVEL WATER COOLER WITH BOTTLE FILLER STATION. COMPLETE WITH STAINLESS STEEL CABINET AND WATERWAYS THAT ARE MANUFACTURED OF 100% LEAD FREE MATERIAL. J.R. SMITH #834 FIXTURE SUPPORT EBC T150 P-TRAP AND EBC LA10 STOP WITH SUPPLY. FULLY INSULATE P-TRAP WITH EBC IK INSULATOR. INSTALL WITH LOWER SPOUT OUTLET MAXIMUM 36" AFF. MUST MEET A.D.A. INSTALL WITH BOTTLE FILLER. INSTALL COMPLETE. PROVIDE WITH ELKAY MODEL #KAPREZL CANE APRON AS REQUIRED.
P-14	SHOWER - ADA COMPLIANT	SD	1/2"	1/2"	CHICAGO FAUCET 1907-CP THERMOSTATIC PRESSURE BALANCING SHOWER VALVE, 151-ACP HAND SHOWER AND GRAB BAR, 763-CP DIVERTER VALVE, FIXED SHOWER HEAD, WITH BLADE HANDLE, AND TRIM. ADJUST FOR 109" F MAXIMUM TEMP. PROVIDE BACK PLATE.
P-15	WATER CLOSET - ADA COMPLIANT	4"	1/2"	-	FLOOR MOUNTED - KOHLER K-3493-SS-0 PRESSURE ASSISTED TANK TYPE WATER CLOSET AND CHURCH "DURA GUARD" MODEL # 2155 SSC SEAT. PROVIDE WITH MCGUIRE #LFBV2166 STOP AND SUPPLY.
P-16	ICE MACHINE	-	1/2"	-	FURNISHED AND INSTALLED UNDER ANOTHER SECTION. ROUGH AND CONNECT COMPLETE, PROVIDE BALL VALVE STOP ON SUPPLY AND PIPE WASTE(S) TO FLOOR DRAIN. PROVIDE WATTS LF90 ON COLD WATER SUPPLY IF REQUIRED BY LOCAL CODES. PIPE RELIEF FULL SIZE TO FS.
P-17	SINK	1 1/4"	1/2"	1/2"	ELKAY LRAD-2219 DRAIN OFFSET TO BACK, LK-35 STRAINER, CHICAGO FAUCET #786-FC RIGID FAUCET, MCGUIRE #1912 P-TRAP AND #165 STOPS WITH SUPPLIES.
SD	SHOWER DRAIN	2"	-	-	J.R. SMITH #2010 WITH 6" ROUND NICKEL BRONZE GRATE. PROVIDE WITH J.R. SMITH TRAP INSERT.
WH-1	WALL HYDRANT	-	3/4"	-	J.R. SMITH #509-OT, WITH INTEGRAL BACKFLOW PREVENTER, LATCHING COVER, FREEZE-PROOF AND OF PROPER LENGTH FOR WALL IN WHICH INSTALLED, ALL BRONZE BOX. VALVE SEAT MUST BE ON BUILDING SIDE OF EXTERIOR WALL INSULATION. INSTALL WITH CENTER LINE 24" ABOVE FINISH GRADE. PROVIDE OWNER WITH ONE (1) LOOSE KEY FOR EACH WALL HYDRANT.

WATER HEATER SCHEDULE

MARK	FIXTURE	ELEC INFO	REMARKS
CP-1	CIRCULATION PUMP	1/12 HP, 115/160	ARMSTRONG COMPASS. PROVIDE WITH TIMER AND AQUASTAT EQUAL TO HONEYWELL L6006A.
CP-2	CIRCULATION PUMP	1/12 HP, 115/160	ARMSTRONG COMPASS. PROVIDE WITH TIMER AND AQUASTAT EQUAL TO HONEYWELL L6006A.
ET-1	EXPANSION TANK	-	AMTROL THERM - X-TROL #ST-12 EXPANSION TANK. PRE-CHARGED, WELDED STEEL CONSTRUCTION. ISOLATION BETWEEN WATER AND AIR SHALL BE BY A BUTYL DIAPHRAM.
ET-2	EXPANSION TANK	-	AMTROL THERM - X-TROL #ST-5 EXPANSION TANK. PRE-CHARGED, WELDED STEEL CONSTRUCTION. ISOLATION BETWEEN WATER AND AIR SHALL BE BY A BUTYL DIAPHRAM.
MMV-1	MASTER MIXING VALVE	-	SYMMONS TEMPCONTROL 7-500A-W COMPLETE. WALL MOUNTING BRACKET. SET OUTLET TEMPERATURE AT 125°F.
TWH-1	TANKLESS WATER HEATER	208V, 1PHASE, 4.8KW	EEMAX MODEL AM007240T WITH INTEGRAL ASSE 1070 MIXING VALVE. PROVIDES 88°F TEMP. RISE AT 0.5 GPM. MOUNT BELOW LAVATORY WHERE SHOWN ON DRAWINGS. PIPE TO HW INLET OF FAUCET.
TWH-1	TANKLESS WATER HEATER	208V, 1PHASE, 4.8KW	EEMAX MODEL AM007240T WITH INTEGRAL ASSE 1070 MIXING VALVE. PROVIDES 88°F TEMP. RISE AT 0.5 GPM. MOUNT BELOW LAVATORY WHERE SHOWN ON DRAWINGS. PIPE TO HW INLET OF FAUCET.
TWH-1	TANKLESS WATER HEATER	208V, 1PHASE, 4.8KW	EEMAX MODEL AM007240T WITH INTEGRAL ASSE 1070 MIXING VALVE. PROVIDES 88°F TEMP. RISE AT 0.5 GPM. MOUNT BELOW LAVATORY WHERE SHOWN ON DRAWINGS. PIPE TO HW INLET OF FAUCET.
WH-1	ELECTRIC WATER HEATER	208V, 1PHASE, 4.5 KW	LOCHINVAR LTD-40JK, 40 GALLON STORAGE, 19 GALLON RECOVERY AT 100°F RISE. NEW P&T RELIEF VALVE. SET OUTLET TEMPERATURE AT 130°F. INSTALL AS DETAILED ON DRAWINGS. VERIFY VOLTAGE WITH ELECTRICAL SECTION.
WH-2	ELECTRIC WATER HEATER	208V, 1PHASE, 4.5 KW	LOCHINVAR LTJ-20JK, 20 GALLON STORAGE, 19 GALLON RECOVERY AT 100°F RISE. NEW P&T RELIEF VALVE. SET OUTLET TEMPERATURE AT 125°F. INSTALL AS DETAILED ON DRAWINGS. VERIFY VOLTAGE WITH ELECTRICAL SECTION.



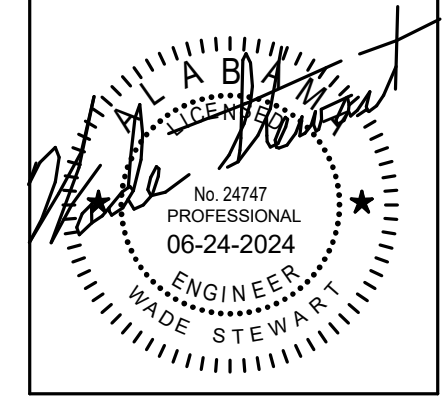
1 PLUMBING - STORM SHELTER FLOOR PLAN
1/8" = 1'-0"

Dewberry
2 Riverchase Office Plaza
Suite 200
Hoover, AL 35244
(205) 988-2999
www.dewberry.com
Project Number:
50181596



LATHAN ARCHITECTS

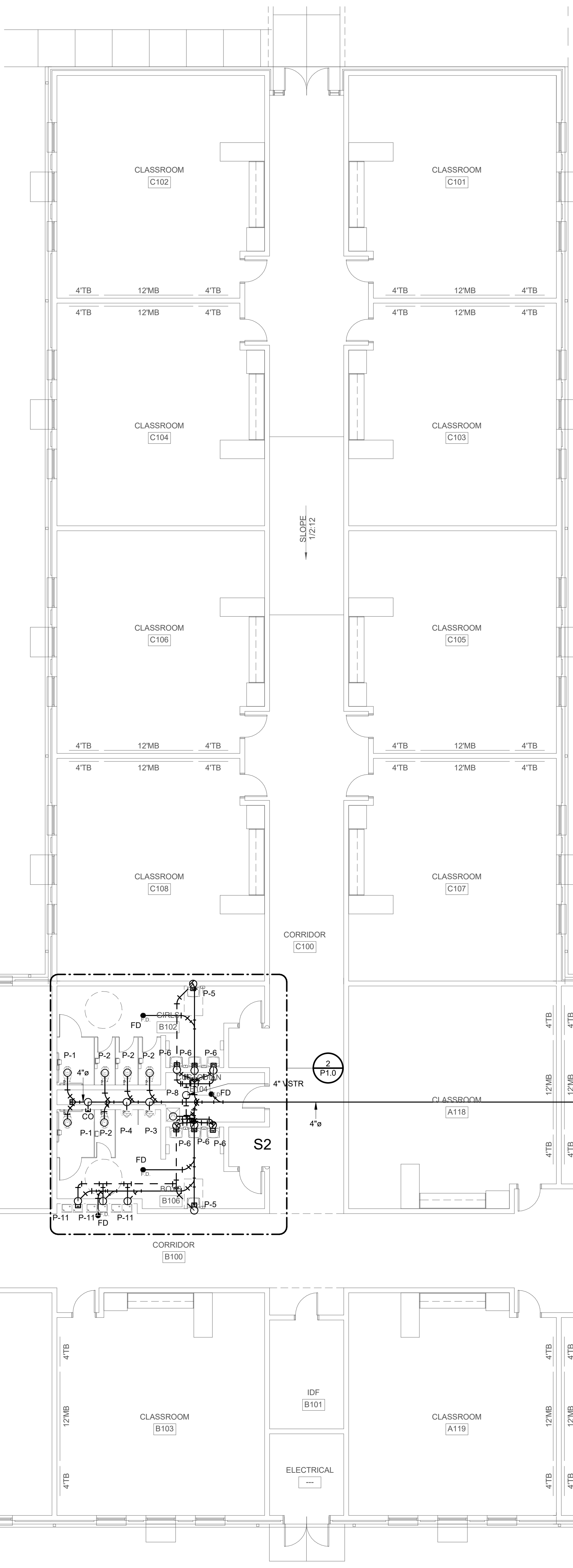
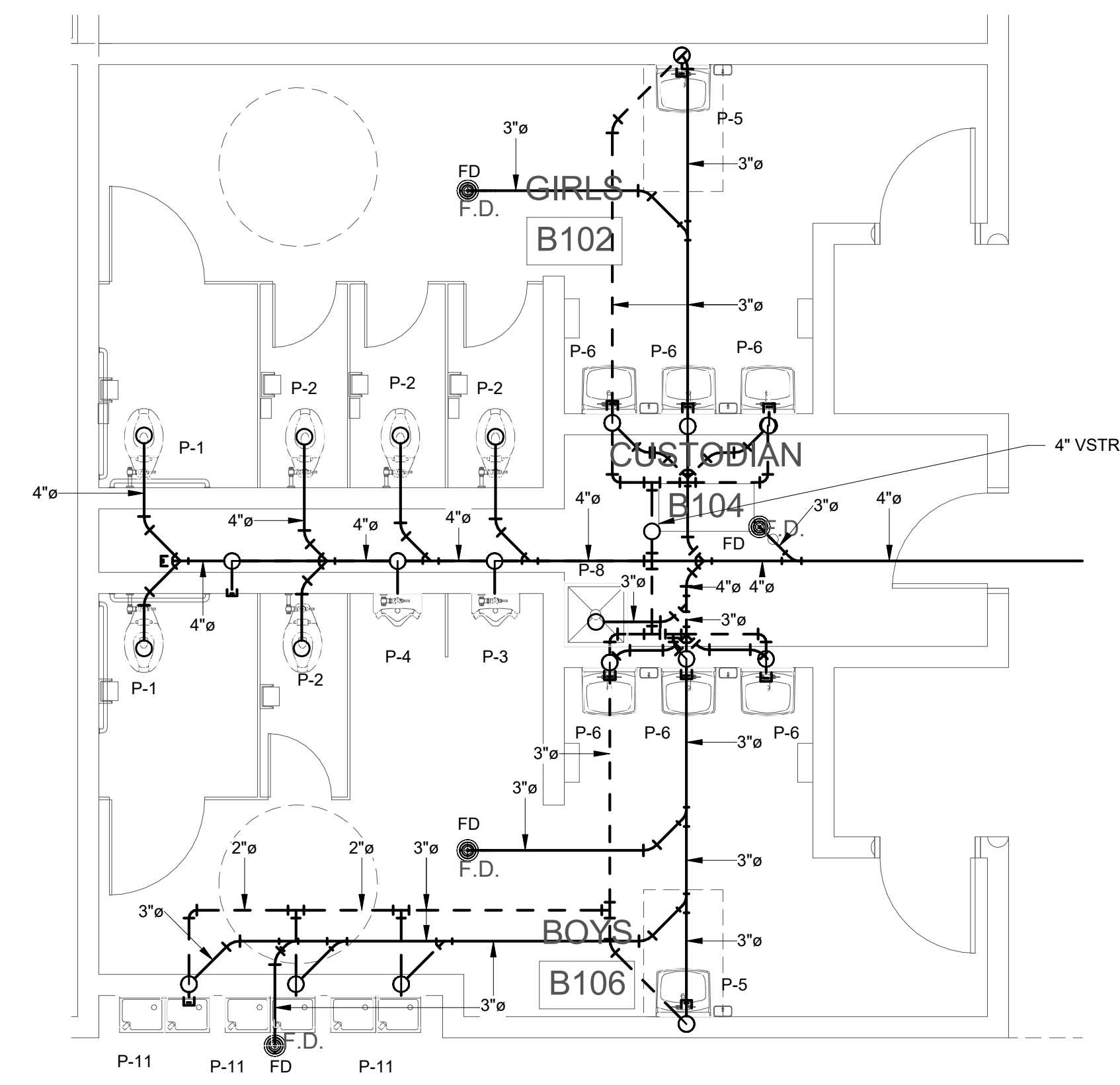
ELEMENTARY ADDITION TO
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13878 US HIGHWAY 11, YORK, AL 36925
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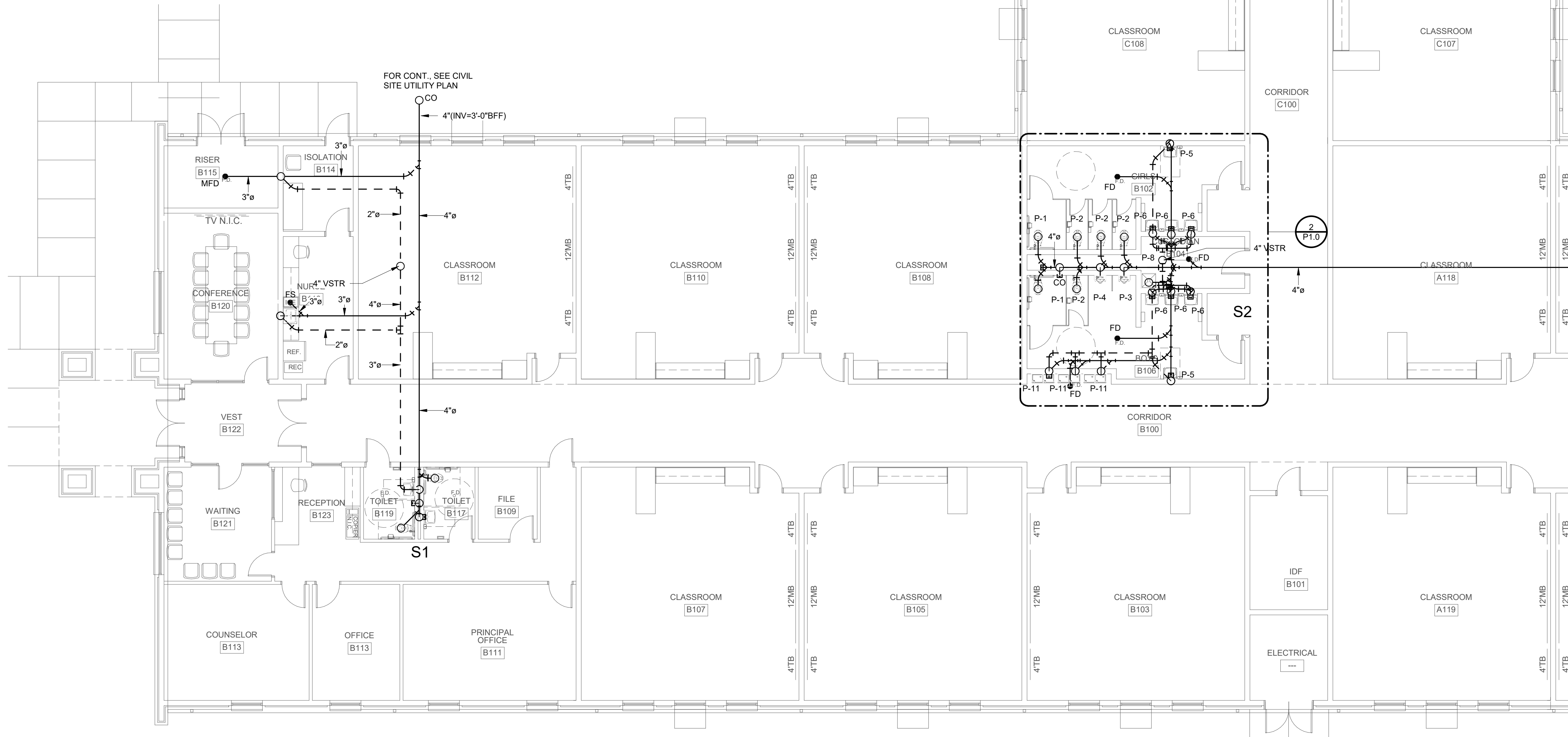
SHEET TITLE:
PLUMBING SCHEDULES AND NOTES

PROJ. MGR.:	SMC
DRAWN:	ZDE
DATE:	06/24/24
REVISIONS	

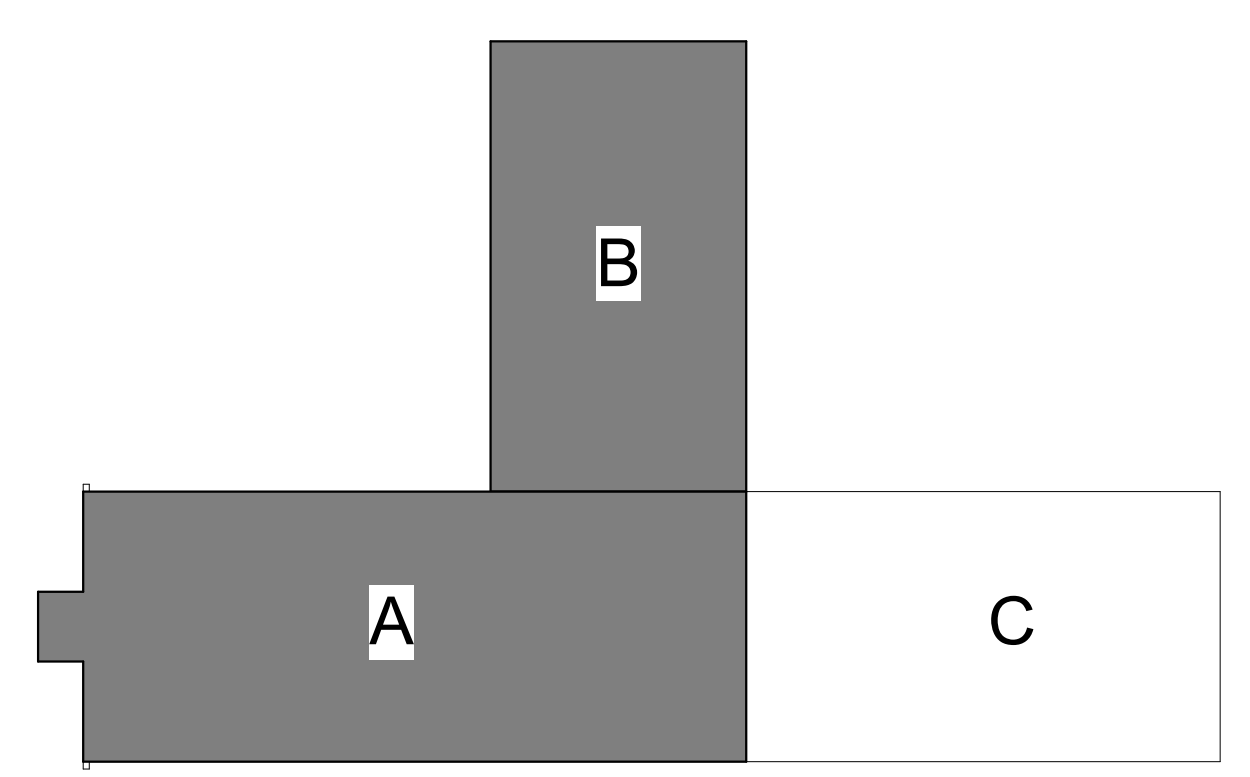
JOB NO. **24-38**
SHEET NO. **P0.01**
1 OF 7



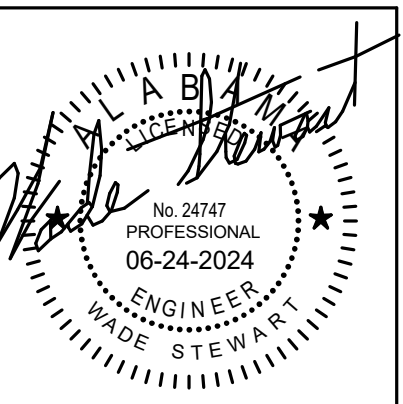
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 1/4" = 1'-0"



1 NON-PRESSURE PIPING - FLOOR PLAN - PART A & B
 1/8" = 1'-0"



KEY PLAN
 SCALE: N.T.S.



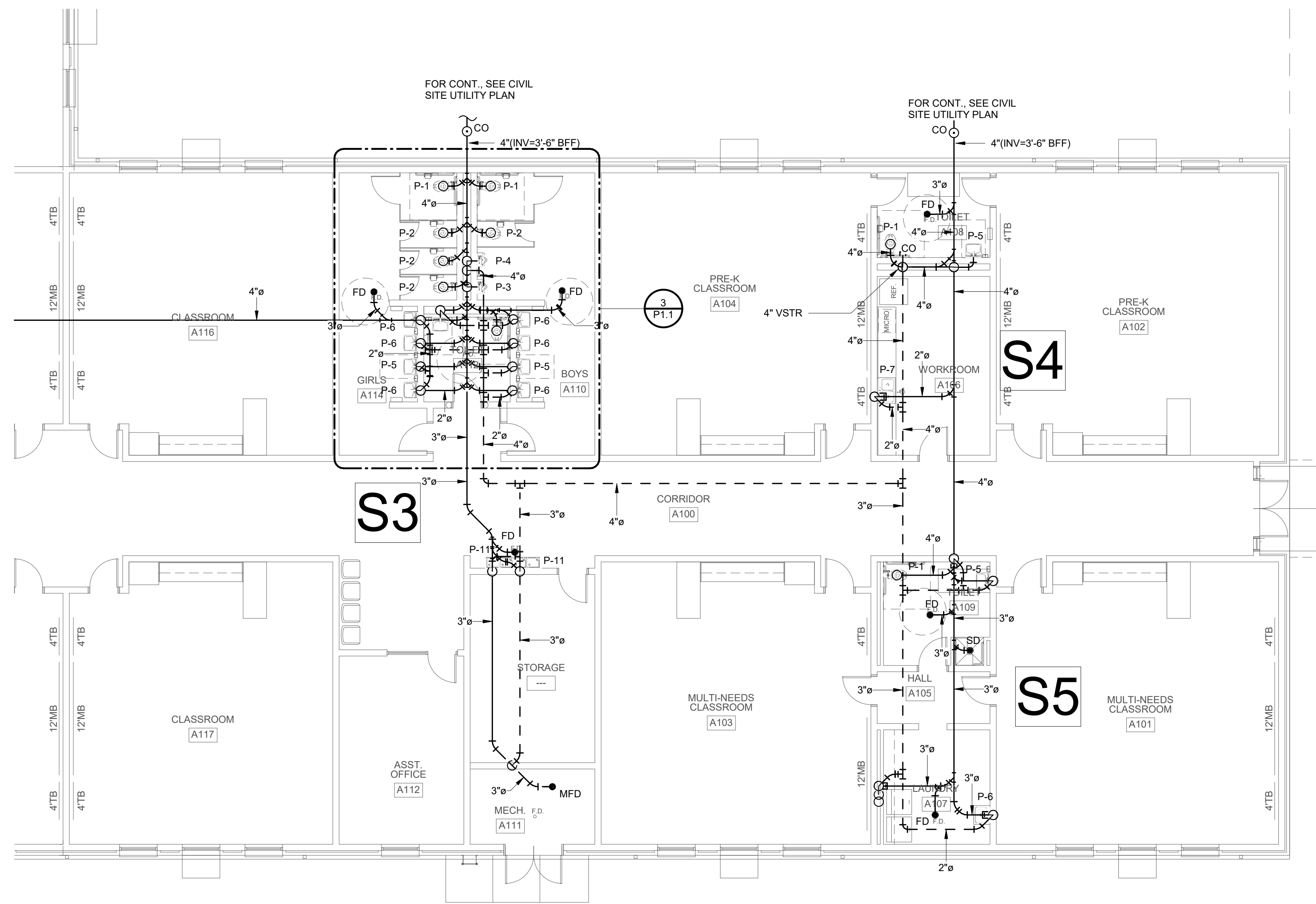
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 NON-PRESSURE PIPING -
 FLOOR PLAN - PART A & B

PROJ. MGR.: - SMC
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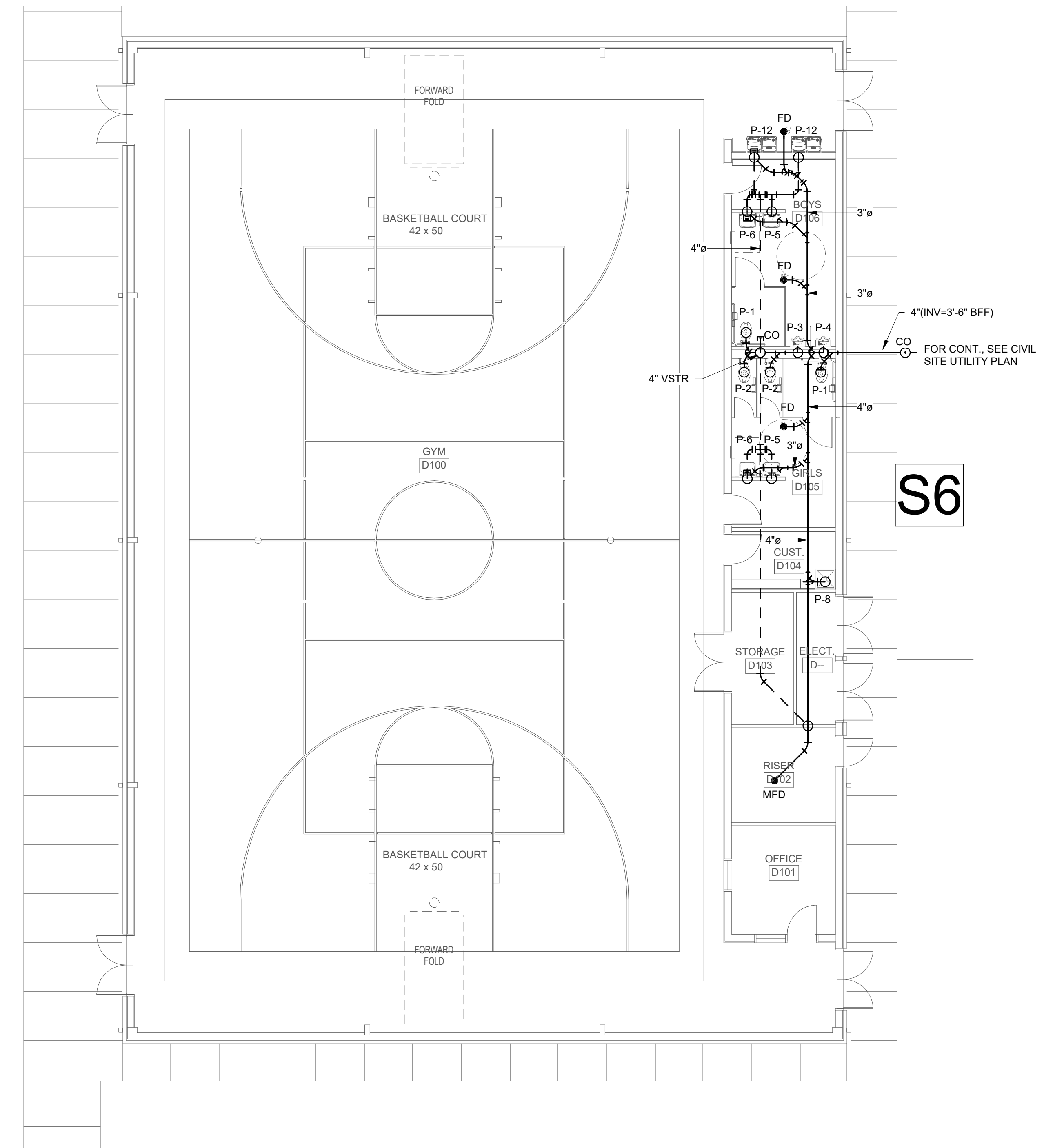
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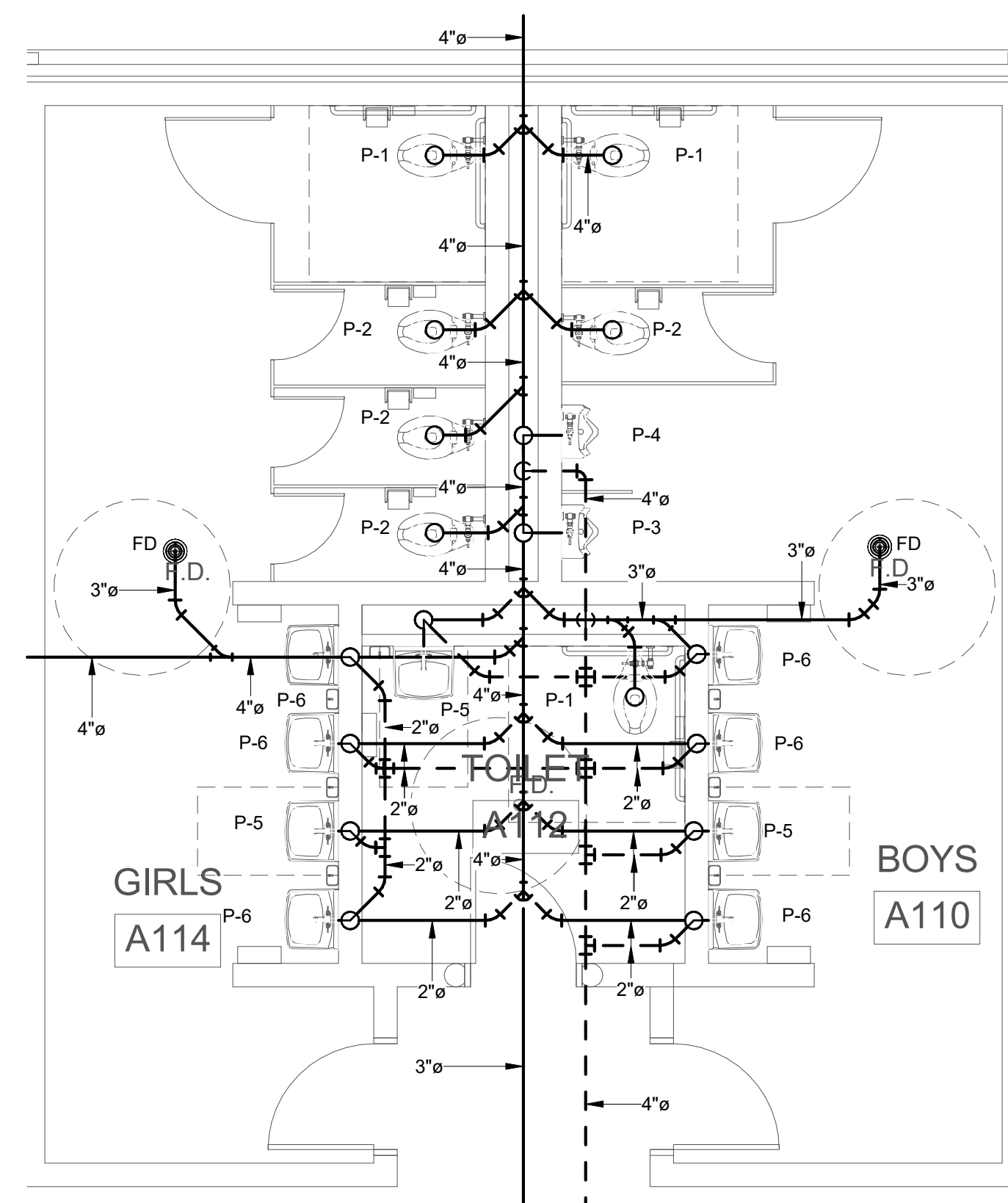
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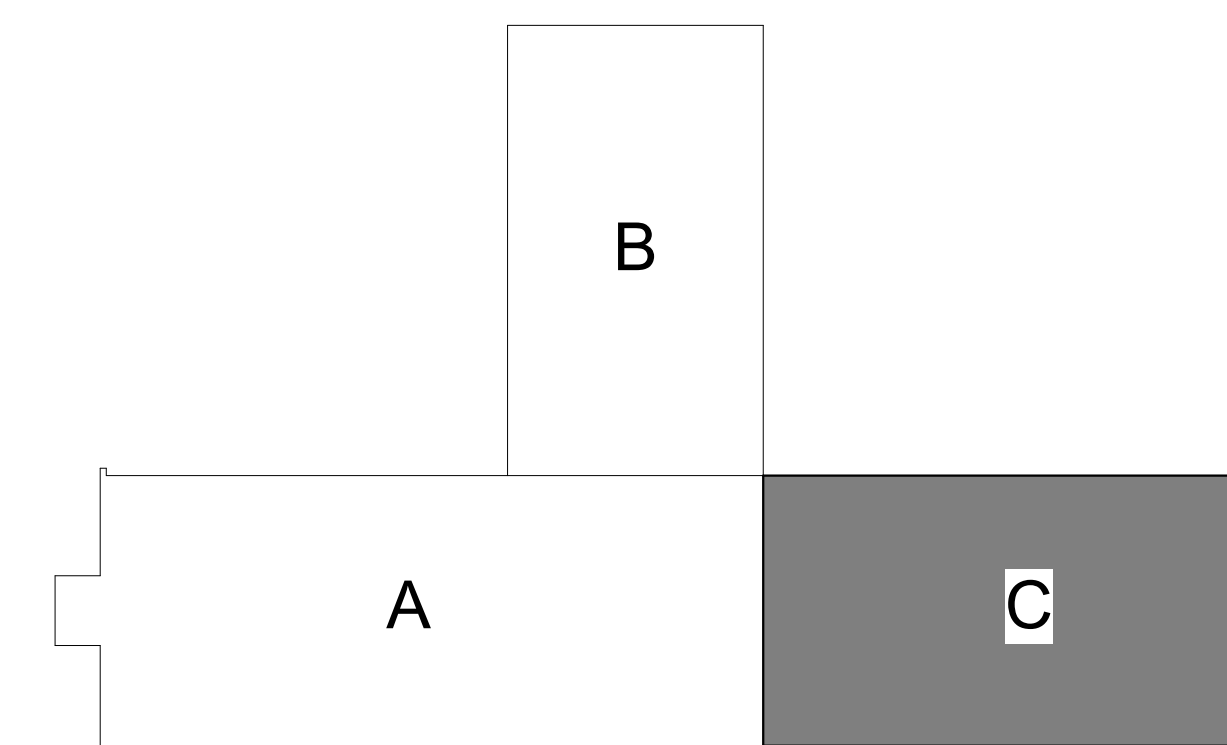
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 1/8" = 1'-0"



2 NON-PRESSURE PIPING - GYM FLOOR PLAN
 1/8" = 1'-0"

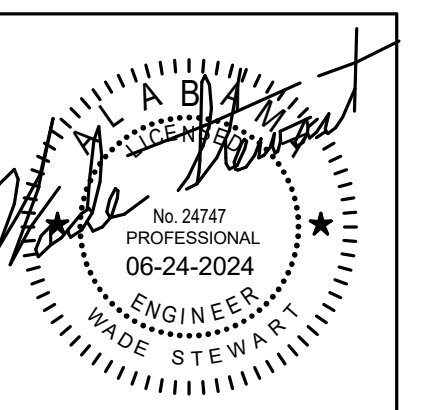


3 ENLARGED NON-PRESSURE PIPING - FLOOR PLAN - PART C
 1/4" = 1'-0"



KEY PLAN
 SCALE: N.T.S.

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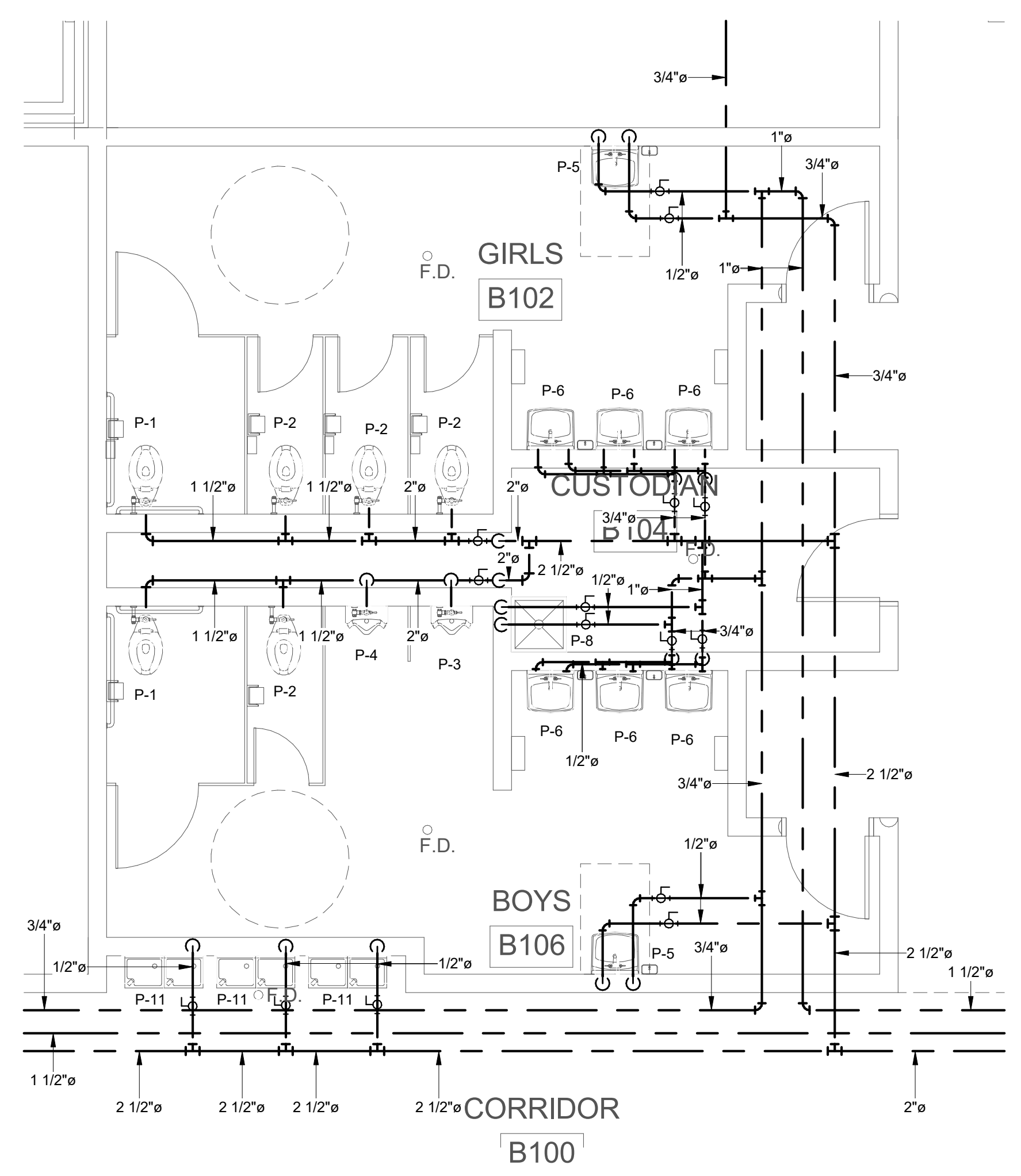
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 NON-PRESSURE PIPING -
 FLOOR PLAN - PART C & GYM

PROJ. MGR.: -- SMC
 DRAWN: ZDE
 DATE: -- 06/24/24
 REVISIONS

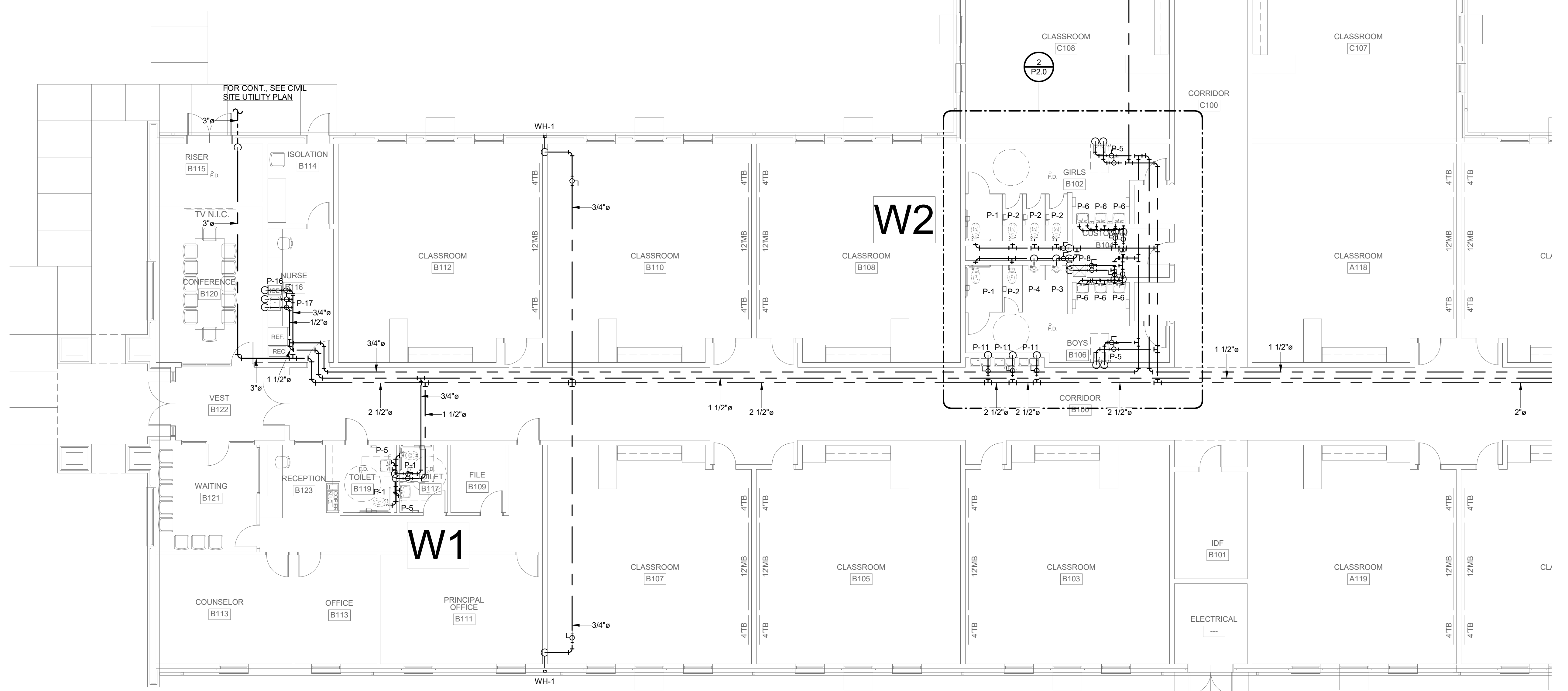
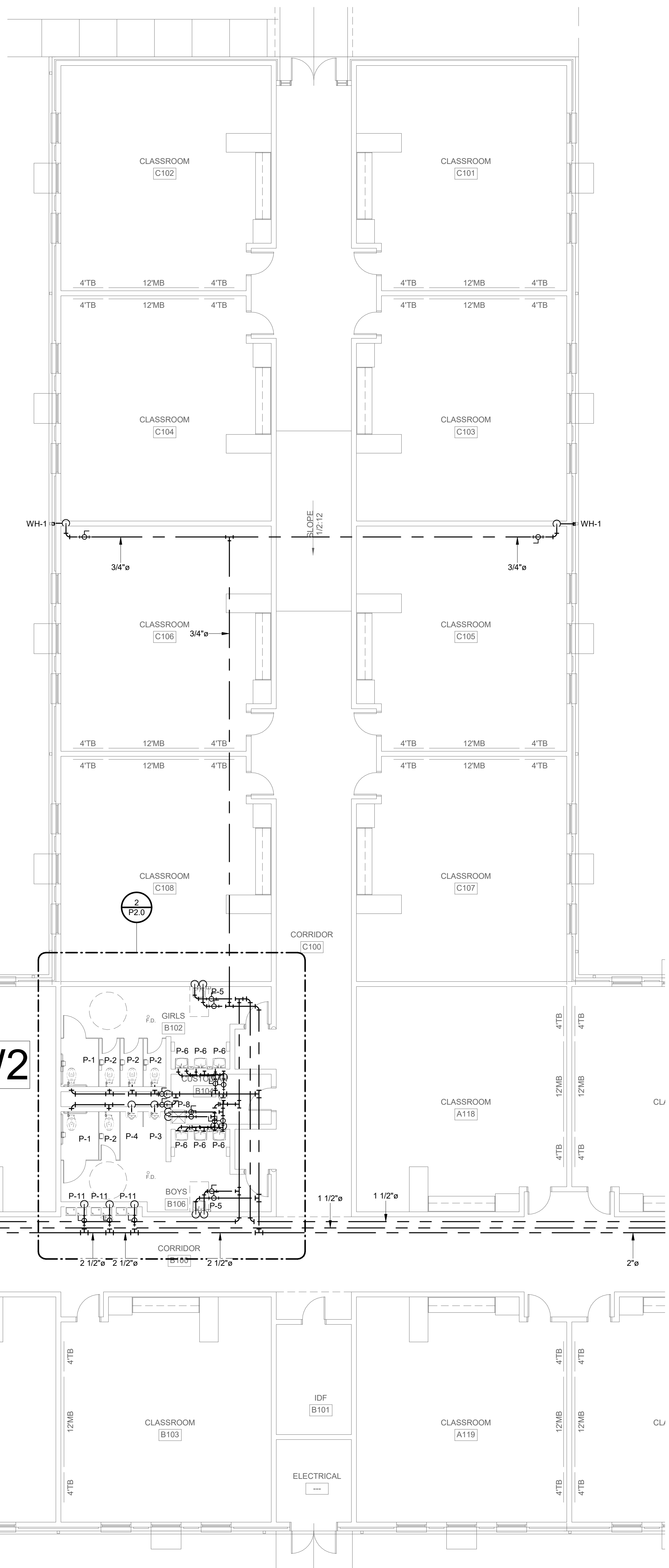
JOB NO. 24-38

SHEET NO:
P1.1

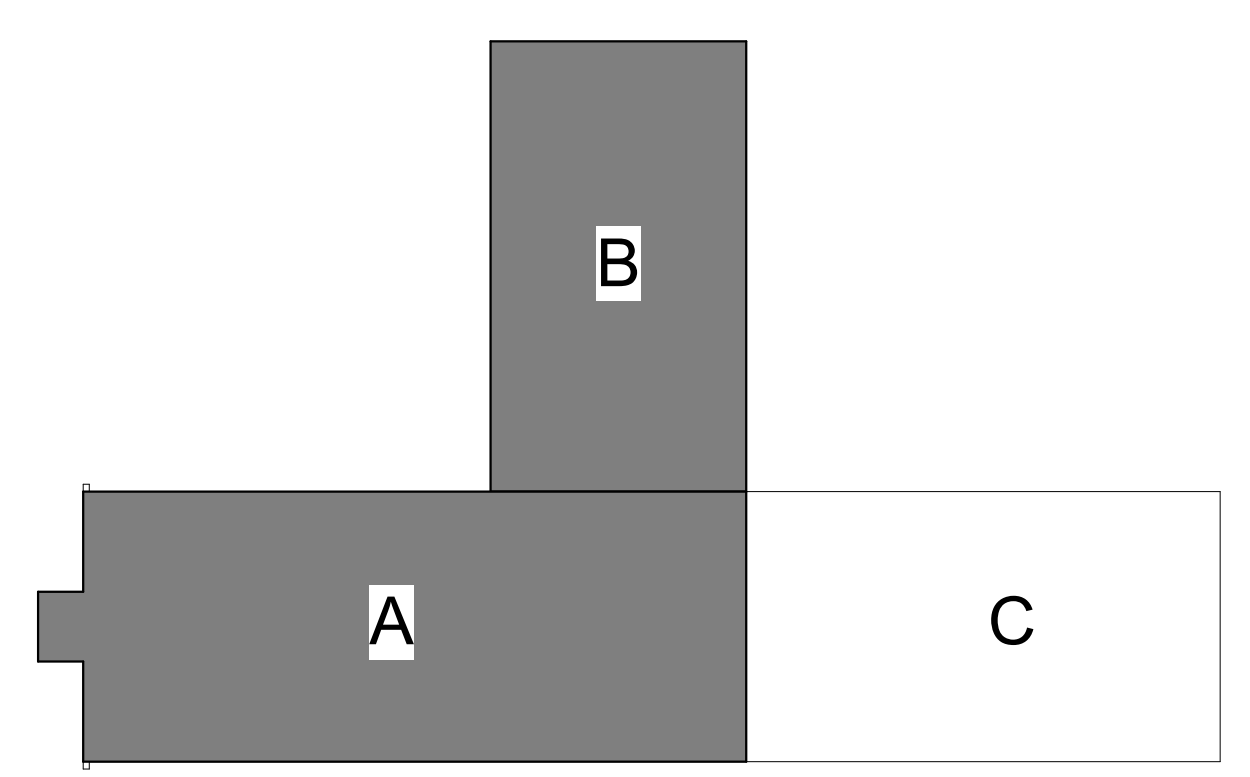
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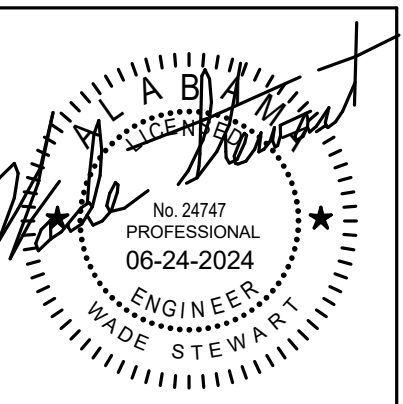
2 PRESSURE PIPING - ENLARGED FLOOR PLAN - AREA A
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1 PRESSURE PIPING - FLOOR PLAN - PART A & B
 1/8" = 1'-0"



KEY PLAN
 SCALE: N.T.S.



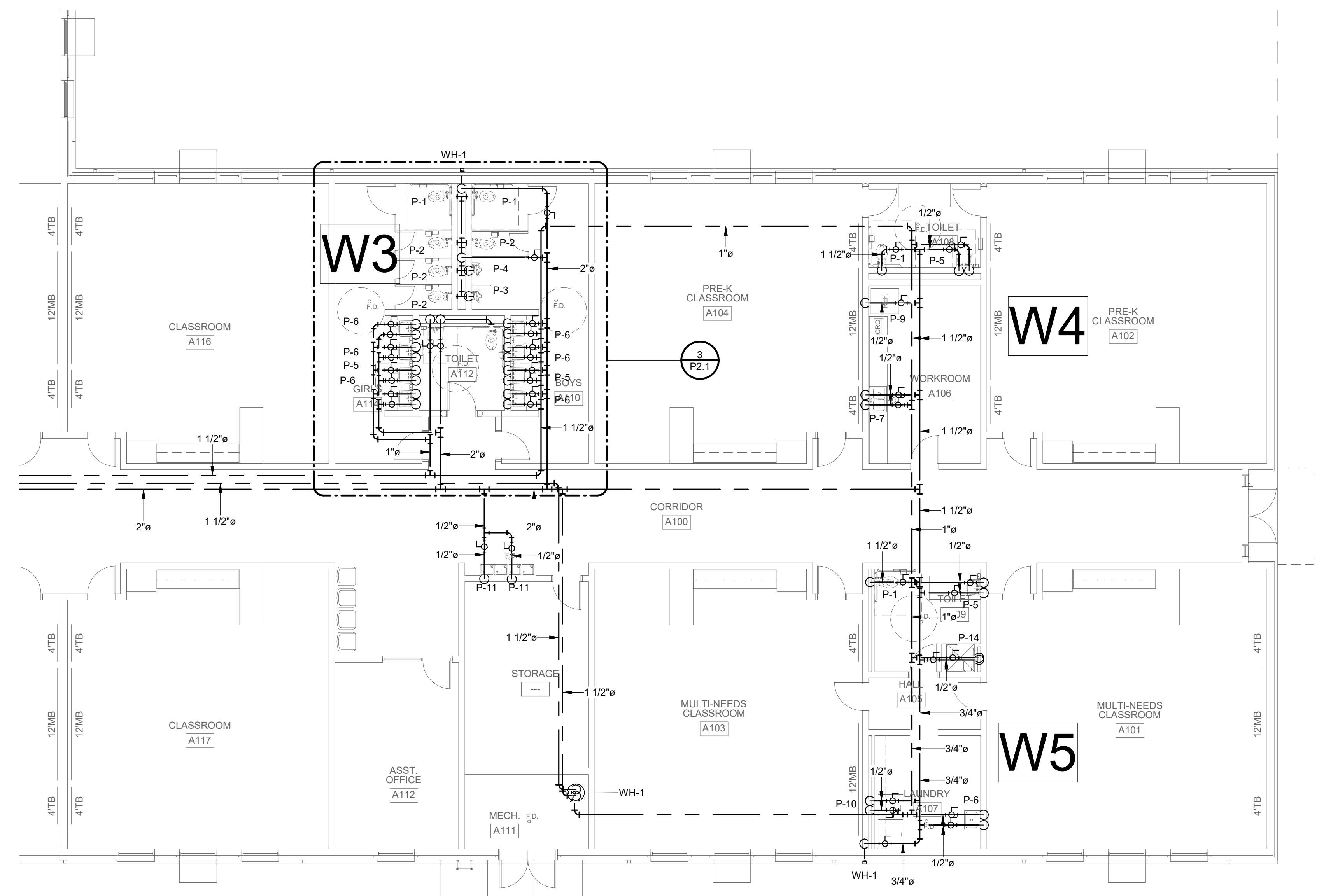
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 PRESSURE PIPING - FLOOR
 PLAN - PART A & B

PROJ. MGR.: -- SMC
 DRAWN: -- ZDE
 DATE: -- 06/24/24
 REVISIONS

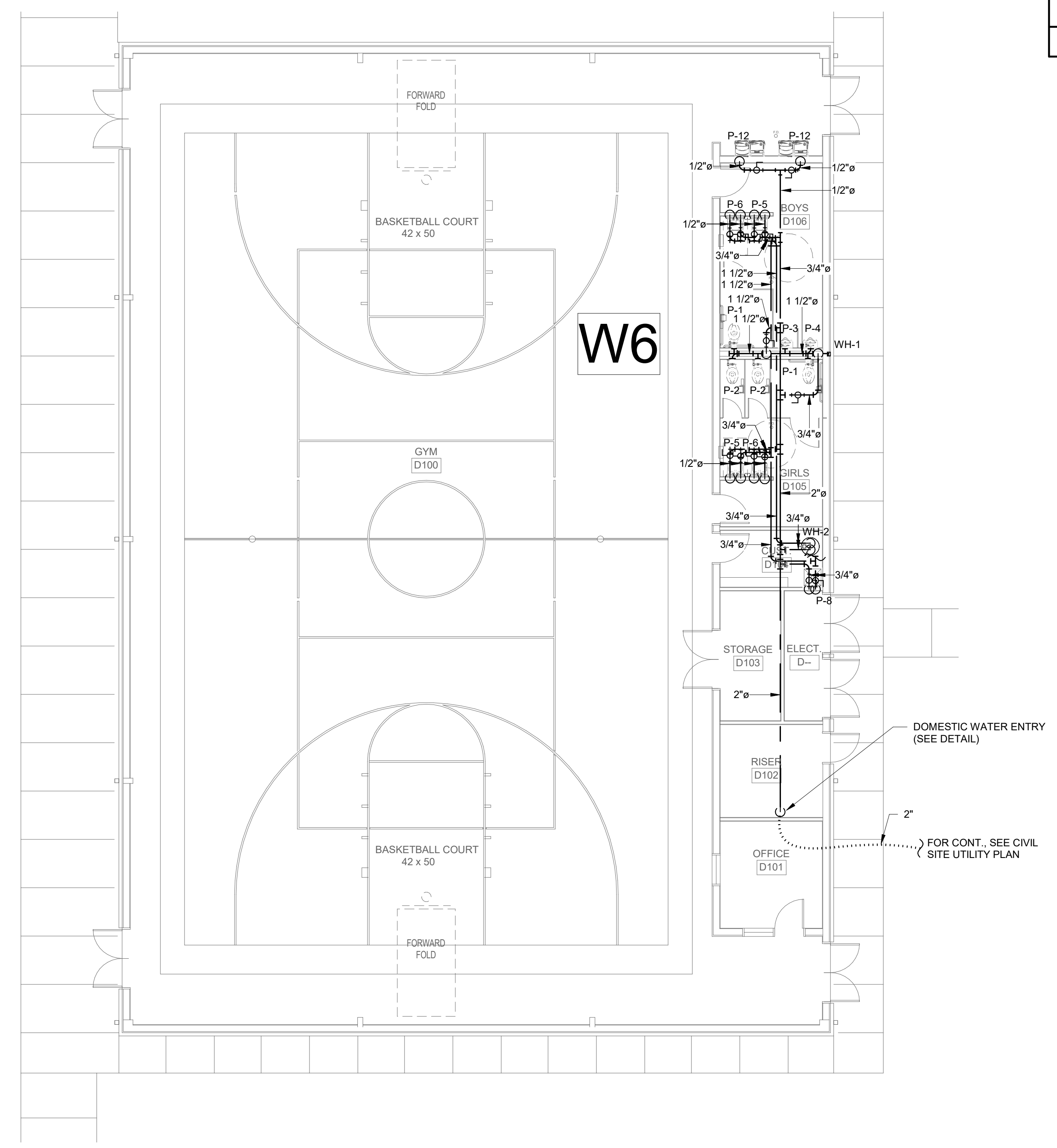
JOB NO. 24-38

SHEET NO:
P2.0

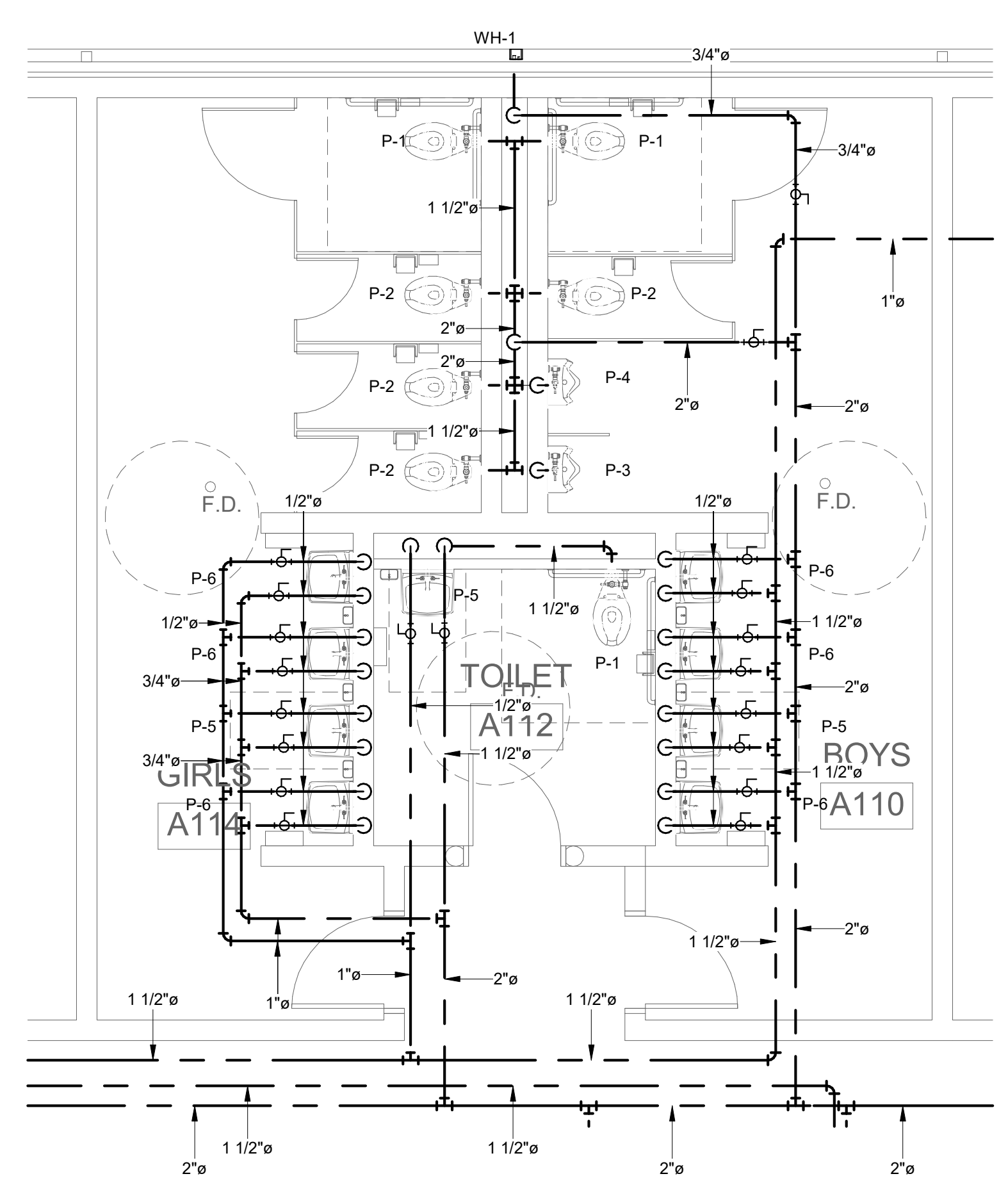
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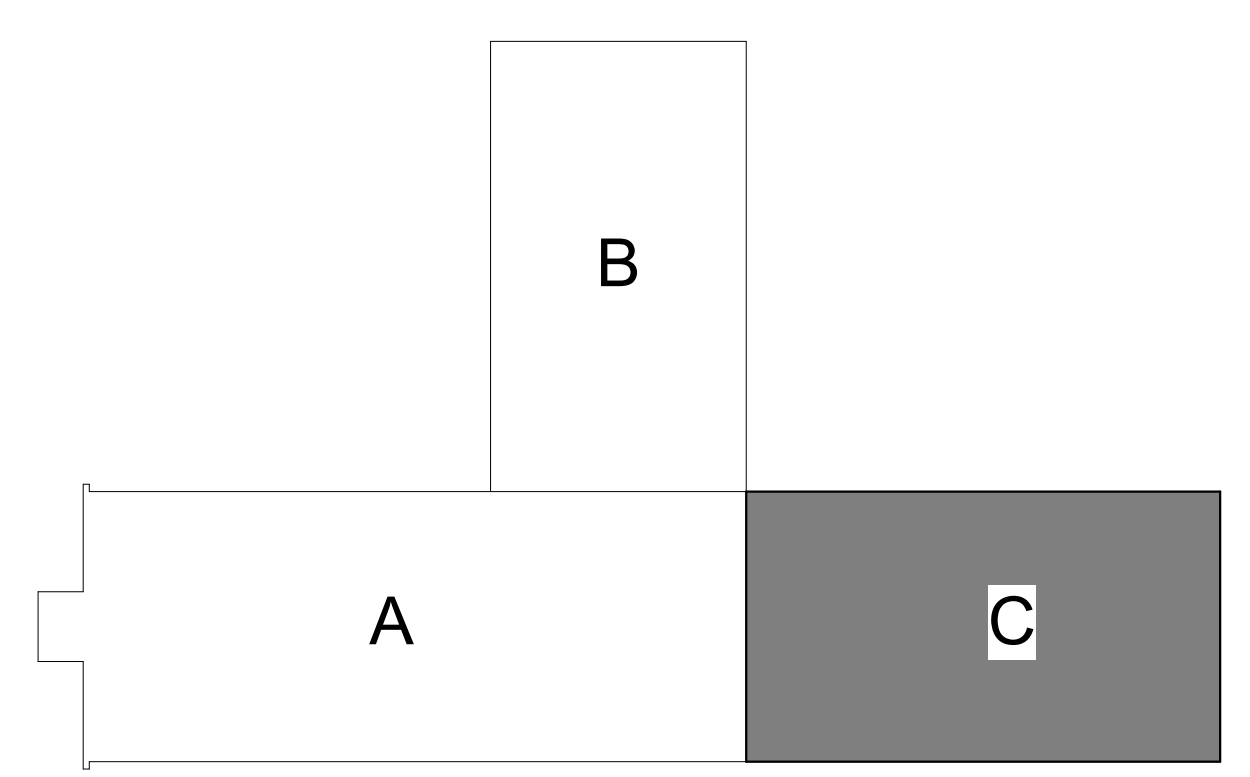
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 1/8" = 1'-0"



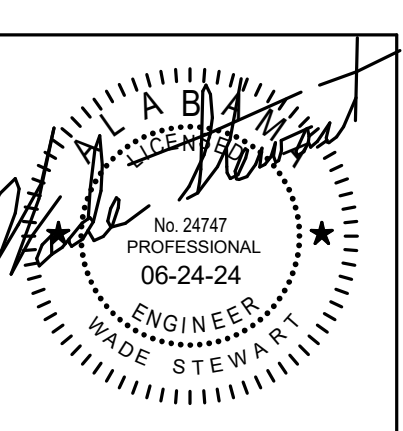
2 PRESSURE PIPING - GYM FLOOR PLAN
 1/8" = 1'-0"



3 PRESSURE PIPING - ENLARGED FLOOR PLAN AREA B
 1/4" = 1'-0"



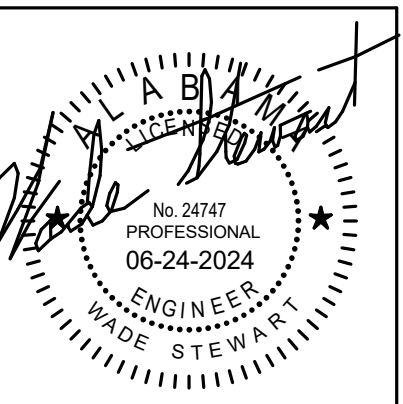
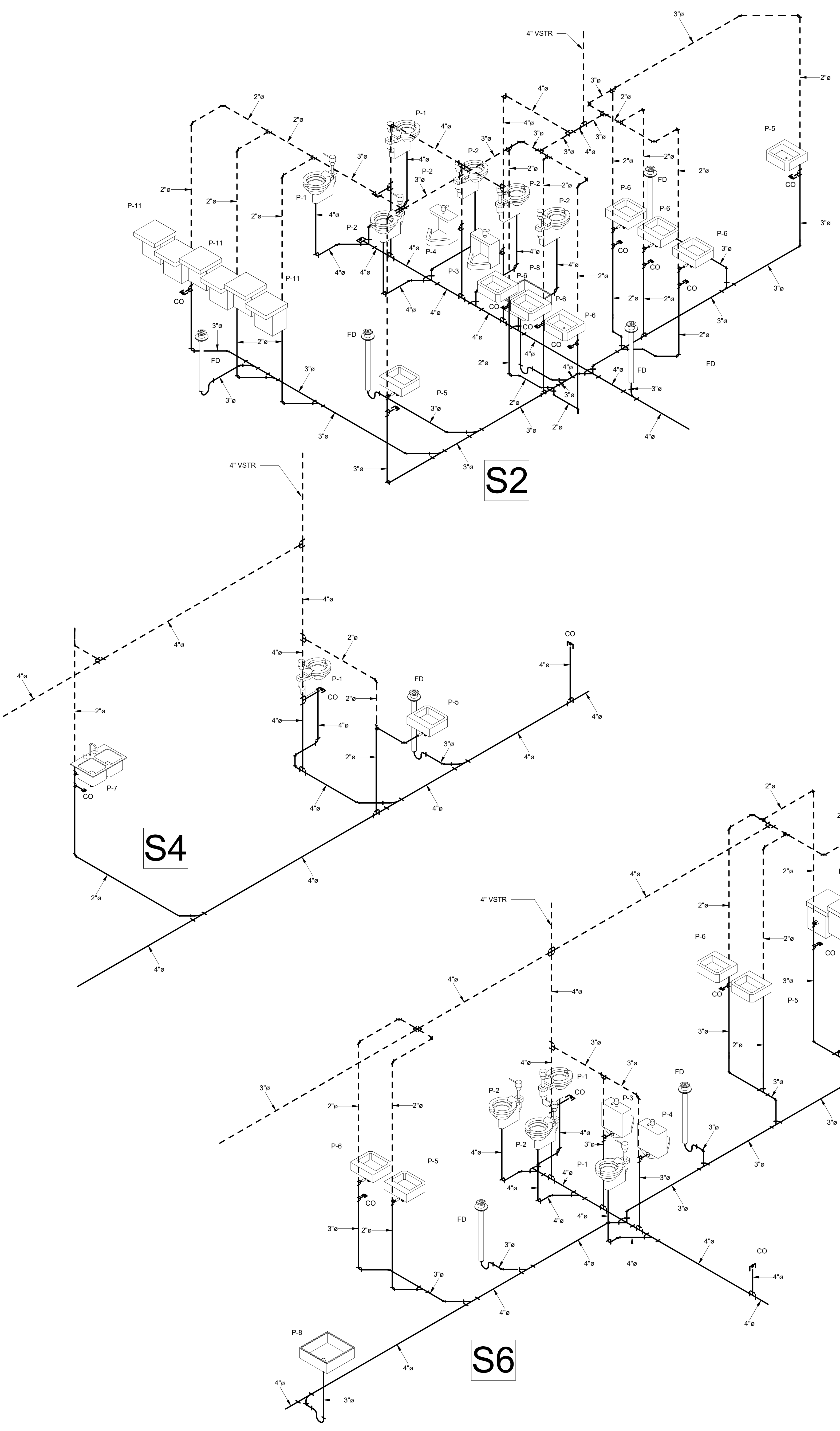
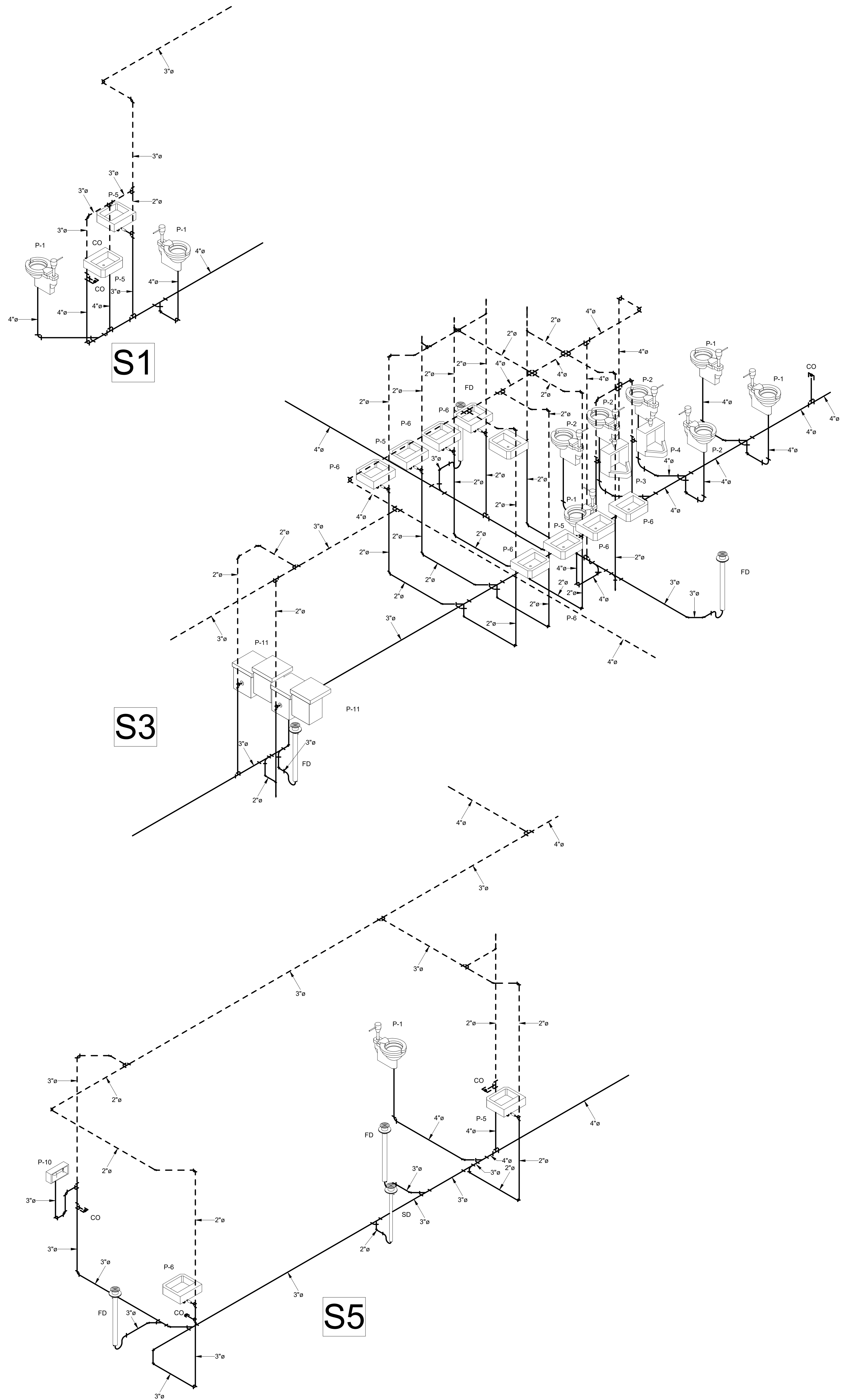
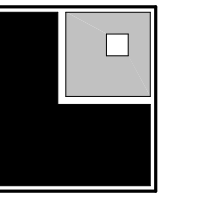
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 SCALE: N.T.S.



SHEET TITLE:
 PRESSURE PIPING - FLOOR
 PLAN - PART C & GYM

PROJ. MGR.:	SMC
DRAWN:	ZDE
DATE:	06/24/24
REVISIONS	

JOB NO. 24-38
 SHEET NO.
P2.1
 5 OF 7

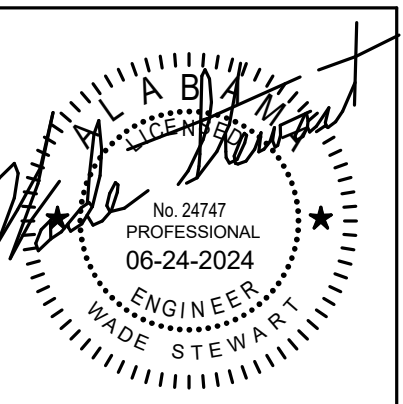
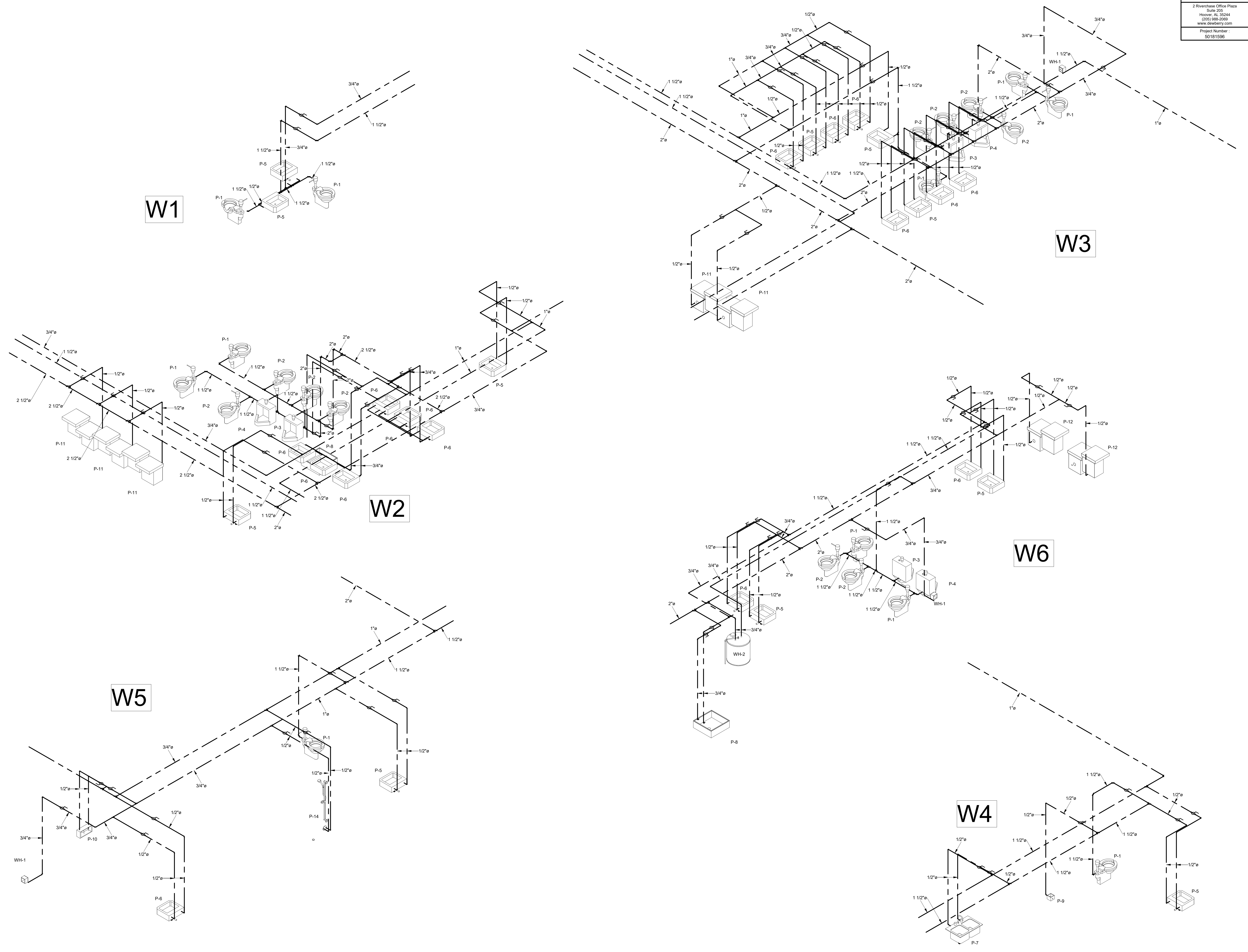
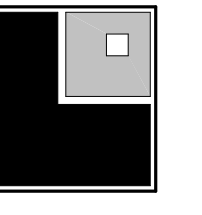


SHEET TITLE:
 NON-PRESSURE - RISERS

PROJ. MGR.: - SMC
 DRAWN: - ZDE
 DATE: - 06/24/24
 REVISIONS

JOB NO. 24-38

SHEET NO:
P3.0



SHEET TITLE:
 PRESSURE - RISERS

PROJ. MGR.: -- SMC
 DRAWN: ZDE
 DATE: -- 06/24/24
 REVISIONS

JOB NO. 24-38
 SHEET NO. **P3.1**
 7 OF 7



PACKAGED OUTSIDE AIR UNIT WITH ENERGY RECOVERY WHEEL

TYPE: PACKAGED AC UNIT WITH DX COOLING COIL, ENERGY RECOVERY WHEEL, AND ELECTRIC HEAT.

NOTES: 1. COOLING CAPACITY IS NET CAPACITY @ 95°F AMBIENT.

ACCESSORIES: 1. 2" THICK THROWAWAY FILTER, MERV 8. 2. CONDENSER COIL GUARD. 3. BELT DRIVE SUPPLY AND EXHAUST FAN. 4. HEAD PRESSURE CONTROL TO 10°F AMBIENT. 5. HINGED ACCESS DOORS. 6. STAINLESS STEEL DRAIN PAN. 7. OSA INTAKE HOOD AND EXHAUST HOOD WITH AUTO DAMPERS. 8. HOT GAS REHEAT COIL. 9. HORIZONTAL DISCHARGE CURB. 10. FACTORY FABRICATED ROOF CURB. 11. DUEL ENTHALPY ECONOMIZER CONTROL.

MARK	SUPPLY FAN			EXHAUST FAN			SUMMER			WINTER			ELECTRICAL					DX COOLING COIL				ELEC. HEAT		ISMR2	WEIGHT (LBS)	ACCESSORIES	BASIS OF DESIGN		
	CFM	E.S.P. (IN.-W.G.)	MOTOR (HP)	CFM	E.S.P. (IN.-W.G.)	MOTOR (HP)	OUTSIDE AIR		EXHAUST ENTERING (DB°F/WB°F)	OUTSIDE AIR		EXHAUST ENTERING (DB°F/WB°F)	V	PH	Hz	MCA (A)	MOCP (A)	LAT (DB°F/WB°F)	TOTAL (MBH)	SENS (MBH)	NOM. TONS	CIRCUITS	HOT GAS REHEAT (MBH)					KW	STAGES
							EAT (DB°F/WB°F)	LAT (DB°F/WB°F)		EAT (DB°F/WB°F)	LAT (DB°F/WB°F)																		
ERU-1	1805	1.0	1.0	1710	1.0	1	95 / 78	81.1 / 68.4	75 / 62.5	17 / 13.9	51.8 / 45.1	70 / 58	480	3	60	28.7	30	53.5 / 53.5	85.4	54.8	7	1	57.2	15.0	SCR	7.4	3000	1,2,3,4,5,6,7,8,9,10,11	TRANE
ERU-2	1825	1.0	1.0	1755	1.0	1	95 / 78	80.9 / 68.1	75 / 62.5	17 / 13.9	52.4 / 45.6	70 / 58	480	3	60	28.7	30	54.0 / 53.9	85.9	56.3	7	1	58.8	15.0	SCR	7.4	3000	1,2,3,4,5,6,7,8,9,10,11	TRANE
ERU-3	1360	1.0	1.0	1160	1.0	1	95 / 78	82.2 / 69.3	75 / 62.5	17 / 13.9	48.9 / 42.7	70 / 58	480	3	60	28.4	30	53.5 / 53.4	69.6	43.0	6	1	47.1	15.0	SCR	8.0	3000	1,2,3,4,5,6,7,8,9,10,11	TRANE

PACKAGED UNIT - ELECTRIC

TYPE: 1. PACKAGED ROOFTOP UNIT, VERTICAL DISCHARGE. 2. PACKAGED AC UNIT, HORIZONTAL DISCHARGE.

NOTES: 1. COOLING CAPACITY IS NET CAPACITY @ 95°F AMBIENT. * OUTSIDE AIR REQUIRED IS BEING PROVIDED BY ERU.

ACCESSORIES: 1. 2" THICK THROWAWAY FILTER, MERV 8. 2. CONDENSER COIL GUARD. 3. HEAD PRESSURE CONTROL TO 10°F AMBIENT. 4. OSA INTAKE HOOD WITH AUTO DAMPER, ECONOMIZER, AND BAROMETRIC RELIEF. 5. STEEL FACTORY FABRICATED INSULATED ROOF CURB. 6. HINGED ACCESS DOORS. 7. FACTORY ROOF CURB. 8. STAINLESS STEEL DRAIN PAN. 9. HOT GAS REHEAT COIL, MINIMUM 15°F RISE. 10. BIPOLAR IONIZATION.

MARK	TYPE	SUPPLY FAN			MAX OSA (CFM)	MIN OSA (CFM)	DX COOLING CAPACITY			ELEC HEAT		ELECTRICAL					EER	WEIGHT (LBS)	ACCESSORIES	BASIS OF DESIGN	
		AIRFLOW (CFM)	E.S.P. (IN.-W.G.)	MOTOR (HP)			EAT (DB°F/WB°F)	TOTAL (MBH)	SENS (MBH)	NOM. TONS	KW	STAGES	V	PH	HZ	MCA (A)					MOCP (A)
AHU-GYM	2	9900	1.1	4.6	900	650	76.76 / 63.9	263.5	206.3	25	72	2	480 V	3	60	102	110	10.7	2100	1,2,3,4,5,6,8,9,10	TRANE
RTU-1	1	2400	0.9	2.75	0*	0*	75 / 63	72.6	58.2	6	18	2	480 V	3	60	47	50	12.1	1250	1,2,3,4,5,6,7,8,9,10	TRANE
RTU-2	1	2400	0.9	2.75	0*	0*	75 / 63	72.6	58.2	6	18	2	480 V	3	60	47	50	12.1	1250	1,2,3,4,5,6,7,8,9,10	TRANE
RTU-3	1	1200	0.8	1.5	0*	0*	75 / 63	36.0	28.7	3	12	2	480 V	3	60	29	30	12.1	900	1,2,3,4,5,6,7,8,9,10	TRANE
RTU-ADMIN	1	1600	0.9	1.5	0*	0*	75 / 63	44.7	38.1	4	12	2	480 V	3	60	29	30	13.0	1100	1,2,3,4,5,6,7,8,9,10	TRANE

FAN SCHEDULE

FAN TYPE: 1. CENTRIFUGAL SQUARE INLINE - DIRECT DRIVE. 2. CENTRIFUGAL ROOF FAN - DIRECT DRIVE.

FAN ACCESSORIES: 1. BACKDRAFT DAMPER. 2. DISCONNECT SWITCH. 3. BIRDSCREEN. 4. 5A-120V FAN SPEED CONTROLLER. 5. SPRING VIBRATION ISOLATORS. 6. FLEXIBLE CONNECTIONS.

MARK	FAN TYPE	AIRFLOW (CFM)	E.S.P. (IN.-W.G.)	WHEEL SIZE (INCHES)	SOUND CRITERIA (SONES/DBA)	RPM	MOTOR (HP / W)	ELECTRICAL			INTERLOCK WITH	WEIGHT (LBS)	ACCESSORIES	BASIS OF DESIGN
								V	PH	HZ				
EF-1	1	650	0.5	11.2	6.4 / 54	1260	1/4	120 V	1	60	OCCUPANCY	50	1,2,3,4,5,6	GREENHECK
EF-2	2	300	0.5	10.9	8.3 / 57	1669	1/10	120 V	1	60	T-STAT	50	1,2,3,4,6	GREENHECK

WALL HEATER SCHEDULE

HEATER TYPE: 1. ELECTRIC WALL HEATER.

ACCESSORIES: 1. SURFACE MOUNTING. 2. UNIT MOUNTED THERMOSTAT. 3. CONCEALED ON/OFF SWITCH. 4. HIGH LIMIT CONTROLS. 5. BUILT-IN CIRCUIT BREAKER.

MARK	SIZE (KW)	ELECTRICAL			ACCESSORIES	BASIS OF DESIGN
		V	PH	HZ		
EW-H-1	4.0	277	1	60	1,2,3,4,5	MARKEL

AIR PURIFICATION SCHEDULE

FLOW	GPS MODEL	GPS QUANTITY	MINIMUM NEEDLE SPACING	VOLTAGE	WATTS	MOUNTING LOCATION	MINIMUM ION DENSITY (IONS/CC)
CV	GPS-MOD	1 PER COOLING COIL	1 EVERY 3/4"	115	15	UNIT SERVED	40 MILLION PER 0.75"

NOTES:

- BASIS OF DESIGN: GLOBAL PLASMA SOLUTIONS: APPROVED EQUALS BY PHENOMENAL AIRE, ACTIVE AIR, AIRGENICS AND BIOXGEN SUBJECT TO SPECIFICATION COMPLIANCE.
- MOUNT GPS-MOD TO AIR INLET SIDE OF COOLING COIL.
- IF CONTRACTOR SUBSTITUTES BASIS OF DESIGN WITH ANOTHER MANUFACTURER, CONTRACTOR SHALL COORDINATE ALL ELECTRICAL AND MECHANICAL CHANGES.
- BI-POLAR IONIZATION SYSTEMS REQUIRING PERISHABLE GLASS TUBES ARE NOT ACCEPTABLE.
- ALL MANUFACTURER'S MUST PASS UL-967-2007 OZONE CHAMBER TESTING BY EITHER US OR ETL.
- IONIZATION BAR TO HAVE A MINIMUM OF 1 NEEDLEPOINT EVERY 0.75" OF COIL WIDTH. SYSTEMS WITH NEEDLES FURTHER APART SHALL NOT BE ACCEPTABLE.
- IONIZATION SYSTEMS WITH MULTIPLE ION MODULES MOUNTED TO A BAR SHALL NOT BE AN ACCEPTABLE SUBSTITUTE.
- IONIZATION SYSTEMS THAT DO NOT USE EPOXY TO PROTECT THE ION CIRCUITRY SHALL NOT BE ACCEPTABLE.
- IONIZATION OUTPUT SHALL BE A MINIMUM OF 40 MILLION IONS/CC FOR EVERY 0.75" OF COIL WIDTH.

*PROVIDE FOR ALL RTU UNITS.

AIR PURIFICATION SCHEDULE

FLOW	GPS MODEL	GPS QUANTITY	VOLTAGE	WATTS	MOUNTING LOCATION	MANUFACTURER
CV	GPS-IRB	1 PER UNIT	115	5	UNIT SERVED	GLOBAL PLASMA SOLUTIONS

NOTES:

- BASIS OF DESIGN: GLOBAL PLASMA SOLUTIONS: APPROVED EQUALS BY PHENOMENAL AIRE, ACTIVE AIR, AIRGENICS AND BIOXGEN SUBJECT TO SPECIFICATION COMPLIANCE.
- MOUNT GPS-IRB TO AIR INLET SIDE OF COOLING COIL.
- IF CONTRACTOR SUBSTITUTES BASIS OF DESIGN WITH ANOTHER MANUFACTURER, CONTRACTOR SHALL COORDINATE ALL ELECTRICAL AND MECHANICAL CHANGES.
- BI-POLAR IONIZATION SYSTEMS REQUIRING PERISHABLE GLASS TUBES ARE NOT ACCEPTABLE.
- ALL MANUFACTURER'S MUST PASS UL-967-2007 OZONE CHAMBER TESTING BY EITHER US OR ETL.
- ION GENERATORS SHALL INCLUDE AN LED INDICATOR LIGHT.
- PROVIDE GPS-IRB FOR ALL WALL HUNG UNITS.

*PROVIDE FOR ALL WALL HUNG UNITS.

AIR PURIFICATION SCHEDULE

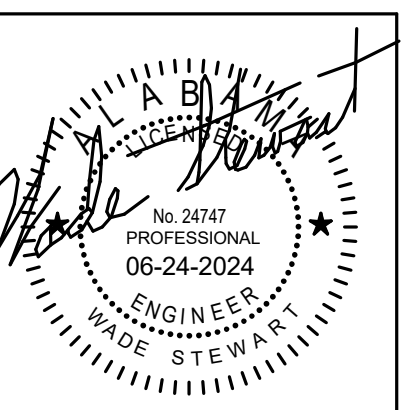
FLOW	GPS MODEL	GPS QUANTITY	VOLTAGE	WATTS	MOUNTING LOCATION	MANUFACTURER
CV	GPS-FC	1 PER UNIT	24	1.2	UNIT SERVED	GLOBAL PLASMA SOLUTIONS

NOTES:

- BASIS OF DESIGN: GLOBAL PLASMA SOLUTIONS: APPROVED EQUALS BY PHENOMENAL AIRE, ACTIVE AIR, AIRGENICS AND BIOXGEN SUBJECT TO SPECIFICATION COMPLIANCE.
- MOUNT GPS-FC TO AIR INLET SIDE OF COOLING COIL.
- IF CONTRACTOR SUBSTITUTES BASIS OF DESIGN WITH ANOTHER MANUFACTURER, CONTRACTOR SHALL COORDINATE ALL ELECTRICAL AND MECHANICAL CHANGES.
- BI-POLAR IONIZATION SYSTEMS REQUIRING PERISHABLE GLASS TUBES ARE NOT ACCEPTABLE.
- ALL MANUFACTURER'S MUST PASS UL-967-2007 OZONE CHAMBER TESTING BY EITHER US OR ETL.
- PROVIDE 24 V TRANSFORMER AS REQUIRED.
- PROVIDE GPS-FC-3 FOR ALL CEILING CASSETTE INDOOR SPLITS.

*PROVIDE FOR ALL IHP UNITS.

ELEMENTARY ADDITION TO
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SHEET TITLE:
MECHANICAL SCHEDULES

PROJ. MGR.: -- JWS
 DRAWN: BDL
 DATE: -- 06/24/24
 REVISIONS

JOB NO. 24-38

SHEET NO.
M0.2



SHEET TITLE:
 MECHANICAL DETAILS AND CONTROLS

PROJ. MGR.:	JWS
DRAWN:	BOL
DATE:	06/24/24
REVISIONS:	

JOB NO. **24-38**
 SHEET NO. **M0.3**
 3 OF 17

ENERGY RECOVERY UNIT CONTROL SEQUENCE

THE CONTROLS FOR THE ENERGY RECOVERY UNIT ARE INTENDED TO BE STAND ALONE. ANY DIGITAL DEVICES SHOWN ARE INTENDED TO BE MONITORED OR CONTROLLED THROUGH THE FACTORY UNIT MOUNTED CONTROLLER.

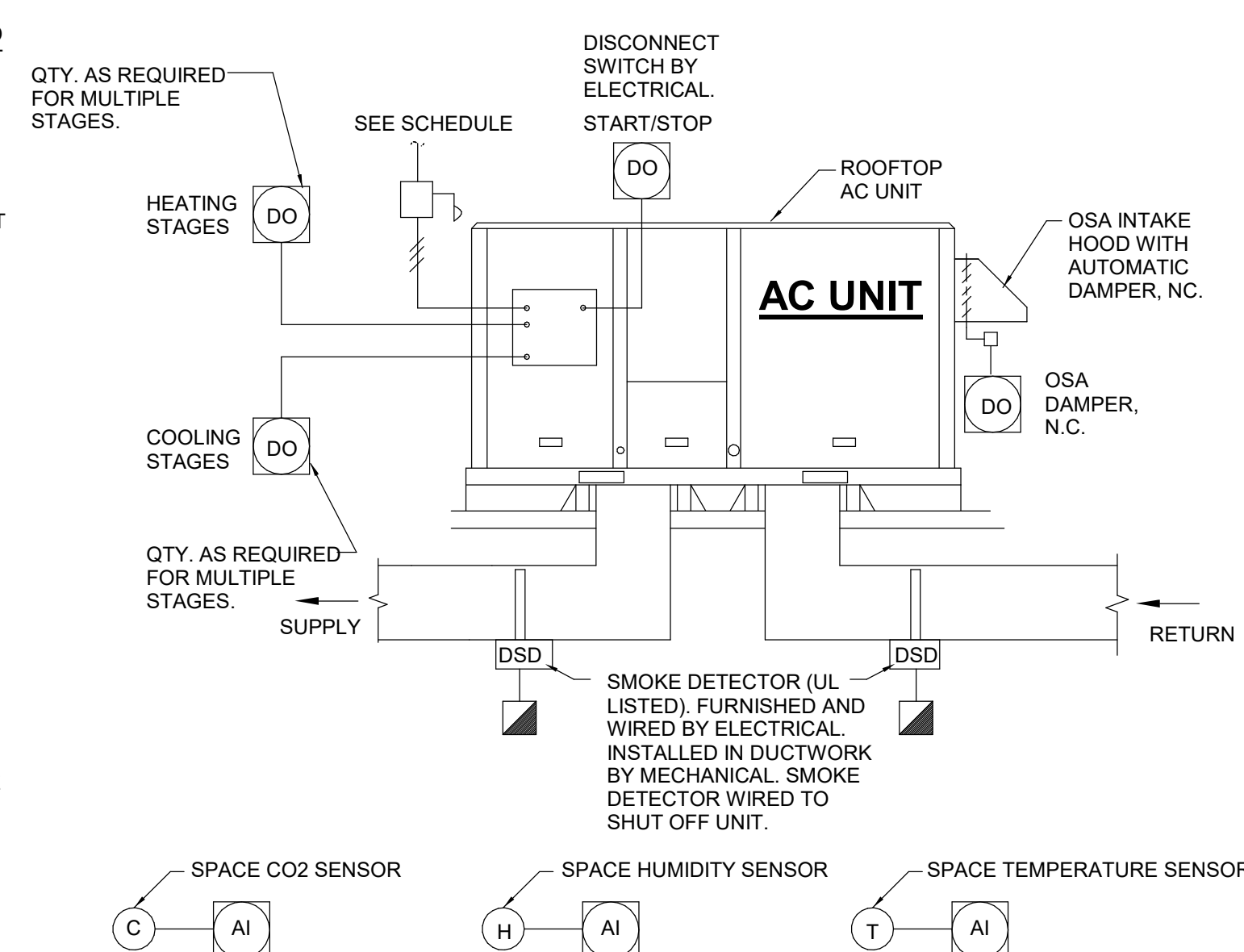
THE ENERGY RECOVERY UNIT (ERU) SHALL BE STARTED AND STOPPED BY THE UNIT MOUNTED CONTROLLER SUBJECT TO AN OWNER'S OCCUPANCY SCHEDULE AND SUBJECT TO INTERNAL UNIT SAFETIES. OCCUPIED AND UNOCCUPIED HOURS SHALL BE DETERMINED BY THE OWNER AND SHALL BE FULLY ADJUSTABLE AT THE UNIT MOUNTED CONTROLLER BY THE OWNER.

UNOCCUPIED MODE:
 DURING UNOCCUPIED MODE, THE EXHAUST AIR AND OUTSIDE AIR AUTO DAMPERS SHALL BE CLOSED AND THE EXHAUST AIR AND OUTSIDE AIR FANS SHALL BE OFF.

OCCUPIED MODE:
 DURING OCCUPIED HOURS, THE EXHAUST AIR AND OUTSIDE AIR DAMPERS SHALL OPEN. ONCE THE DAMPERS ARE PROVEN TO BE OPEN, THE WHEEL MOTOR SHALL START. THE SUPPLY FAN AND EXHAUST FAN SHALL BE STARTED BY THE UNIT MOUNTED CONTROLLER AND SHALL RUN CONTINUOUSLY. TEST AND BALANCE SHALL ADJUST THE FAN SPEED AT THE VARIABLE FREQUENCY DRIVE FOR EACH FAN TO PROVIDE THE SCHEDULED OUTSIDE AIR AND EXHAUST AIR CFM. THIS FAN SPEED SHALL BE SET AND SHALL BE DISPLAYED AT THE UNIT MOUNTED CONTROLLER. THE FAN SPEED FOR THE OUTSIDE AIR AND EXHAUST AIR FANS SHALL NOT VARY.

THE UNIT MOUNTED CONTROLLER SHALL STAGE ON COMPRESSORS AND OPEN/CLOSE SOLENOID VALVE(S) AT THE DX COIL TO MAINTAIN A 5°F SUPPLY AIR TEMPERATURE AS MEASURED AT THE TEMPERATURE SENSOR DOWNSTREAM OF THE DX COIL. THE HOT GAS REHEAT IN THE ERU SHALL MODULATE TO MAINTAIN A TEMPERATURE LEAVING THE ERU OF 72°F (SUMMER) AND 70°F (WINTER) AS MEASURED AT THE DISCHARGE AIR TEMPERATURE SENSOR IN THE WINTER. THE ELECTRIC HEATER SHALL STAGE ON TO PROVIDE A LEAVING AIR TEMPERATURE OF 70°F (ADJUSTABLE).

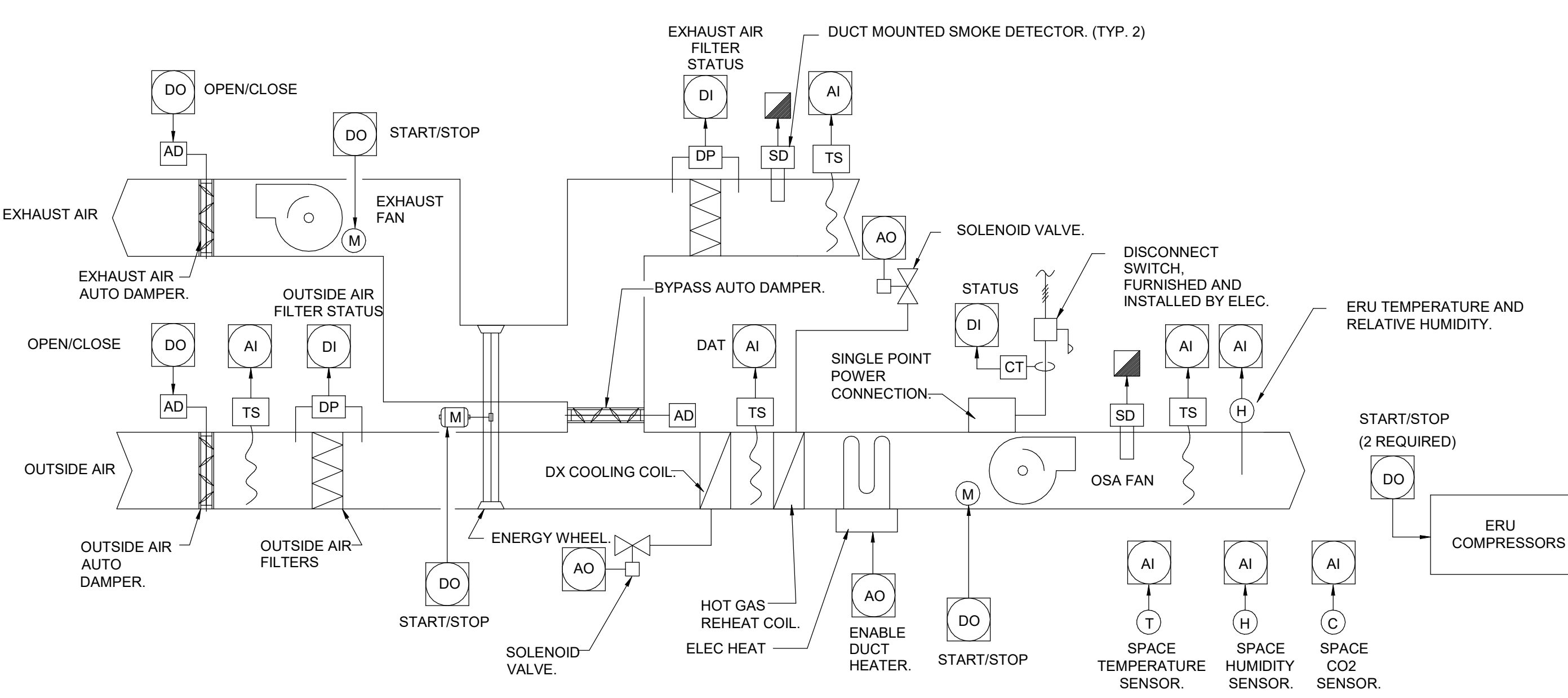
DEHUMIDIFICATION MODE:
 IF THE SPACE MOUNTED RELATIVE HUMIDITY SENSOR RISES ABOVE 60% RH FOR LONGER THAN 10 MINUTES DURING OCCUPIED OR UNOCCUPIED MODES, THE ERU SHALL GO INTO DEHUMIDIFICATION MODE. IN DEHUMIDIFICATION MODE, THE EXHAUST AIR AND OUTSIDE AIR DAMPERS SHALL BE OPEN, THE EXHAUST AIR AND OUTSIDE AIR FANS SHALL RUN, THE CONDENSING UNIT SHALL BE ON AND PROVIDING 100% COOLING, AND THE HOT GAS REHEAT AND ELECTRIC HEATER SHALL STAGE ON/OFF TO MAINTAIN A SPACE TEMPERATURE OF 72°F (SUMMER) AND 70°F (WINTER). ONCE THE HUMIDITY RETURNS TO BELOW 60% RH, THE ERU SHALL RETURN TO NORMAL OCCUPIED OR UNOCCUPIED MODE.



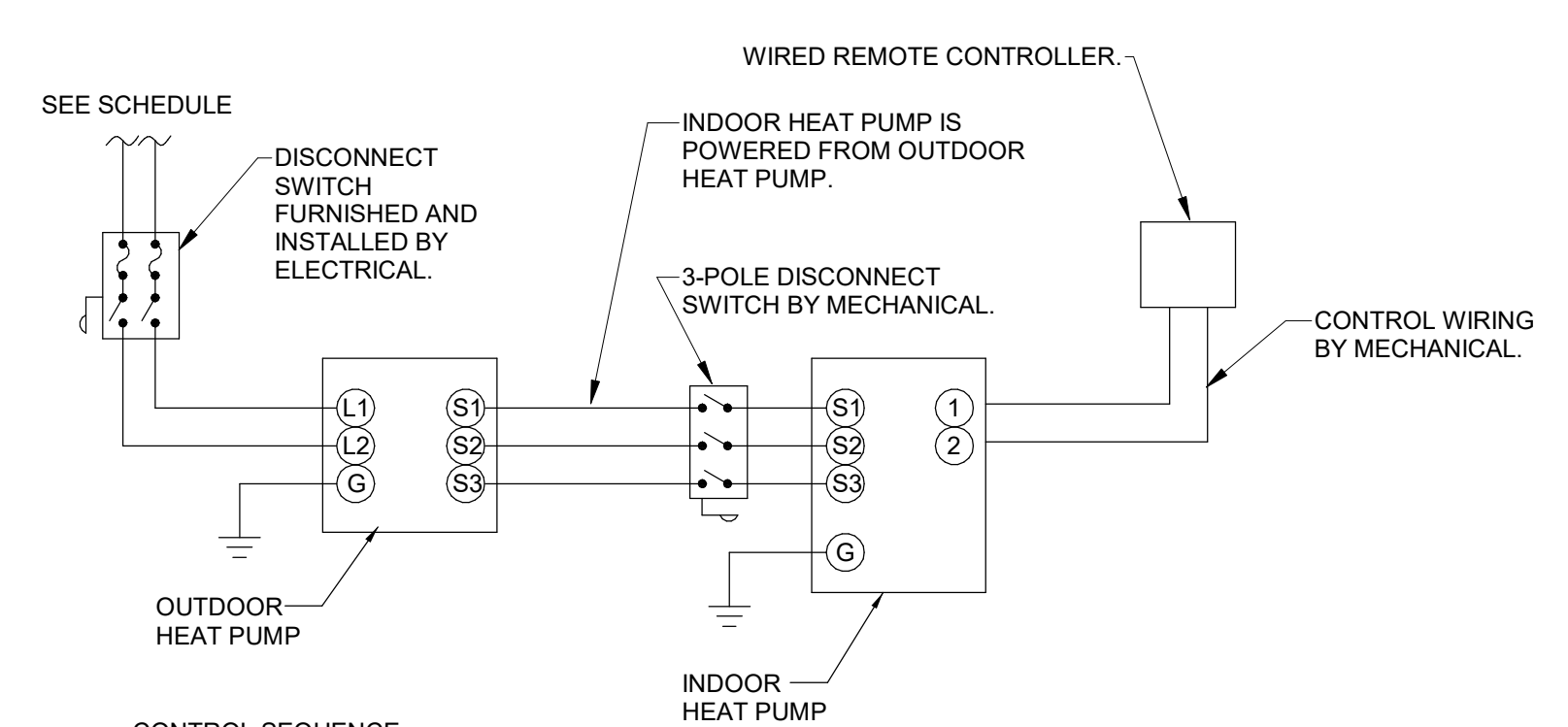
PACKAGED UNIT CONTROLS
 NO SCALE

CONTROL SEQUENCE:
 OCCUPIED MODE:
 THE PROGRAMABLE THERMOSTAT AND UNIT MOUNTED CONTROLLER SHALL START THE SUPPLY FAN. SUBJECT TO INTERNAL AC UNIT SAFETIES AND SMOKE DETECTOR INTERLOCK (WHERE REQUIRED), THE SPACE TEMPERATURE SENSOR SHALL CYCLE ON COMPRESSOR TO MAINTAIN COOLING SETPOINT (75°F - ADJUSTABLE) AND HEATING SETPOINT (70°F - ADJUSTABLE).
 UPON AMBIENT TEMPERATURE REACHING 40°F, THE HEAT PUMP COMPRESSOR SHALL BE LOCKED OUT AND THE ELECTRIC HEATER SHALL BE STAGED TO MAINTAIN TEMPERATURE SETPOINT.
 DEHUMIDIFICATION SEQUENCE:
 UPON A RISE IN SPACE HUMIDITY (ABOVE 60% RH), THE AC UNIT SHALL GO INTO FULL COOLING AND STAGE ON THE HOT GAS REHEAT COIL TO MAINTAIN A SPACE TEMPERATURE OF 74°F (ADJUSTABLE). UPON THE HUMIDITY FALLING BACK BELOW SETPOINT (55% RH) THE UNIT SHALL RETURN TO NORMAL OPERATION.
 UNOCCUPIED MODE:
 THE OUTSIDE AIR DAMPER SHALL REMAIN CLOSED DURING UNOCCUPIED HOURS. THE SPACE TEMPERATURE SENSOR SHALL CYCLE ON COMPRESSOR TO MAINTAIN COOLING SETPOINT (80°F - ADJUSTABLE). UPON AMBIENT TEMPERATURE REACHING 40°F, THE HEAT PUMP COMPRESSOR SHALL BE LOCKED OUT AND THE ELECTRIC HEATER SHALL BE STAGED TO MAINTAIN TEMPERATURE SETPOINT. HEATING SETPOINT (60°F - ADJUSTABLE).
 ECONOMIZER:
 THE UNIT WILL MEASURE THE DRY BULB SUPPLY AIR TEMPERATURE AND THE DRY BULB OUTDOOR AIR TEMPERATURE AND ECONOMIZER WILL BE ENABLED WHEN THE OUTDOOR AIR TEMPERATURE IS BELOW THE DRY BULB CHANGE OVER SETPOINT (55°F). WHEN ECONOMIZING IS ENABLED AND THE UNIT IS OPERATING IN COOLING MODE, THE OUTSIDE AIR DAMPER AND RETURN AIR DAMPER WILL BE MODULATED IN TANDEM TO MAINTAIN THE SPACE TEMPERATURE SETPOINT. IF THE ECONOMIZER CANNOT MAINTAIN SPACE TEMPERATURE, THE COMPRESSORS SHALL BE ENABLED.
 TO PREVENT SPACE OVER-PRESSURIZATION, THE BAROMETRIC RELIEF DAMPER AT THE AC UNIT SHALL OPEN DURING ECONOMIZER MODE.

- CONTROL SYSTEM GENERAL NOTES**
- MECHANICAL CONTRACTOR TO COORDINATE WITH ELECTRICAL CONTRACTOR FOR EXACT QUANTITY AND LOCATIONS OF 120 V CONTROL POWER NECESSARY TO CONTROL PANELS THROUGHOUT PROJECT.
 - MECHANICAL CONTRACTOR TO COORDINATE WITH ELECTRICAL CONTRACTOR FOR EXACT QUANTITY AND LOCATIONS OF 120 V CONTROL POWER NECESSARY TO POWER AUTOMATIC CONTROL VALVES, AUTOMATIC DAMPER ACTUATORS, AND SMOKE DAMPER ACTUATORS.
 - PROVIDE ALL NECESSARY RELAYS, SWITCHES, SENSORS, LOW VOLTAGE CONTROL WIRING, ACTUATORS, ETC. FOR A COMPLETE AND FUNCTIONAL CONTROLS SYSTEM.

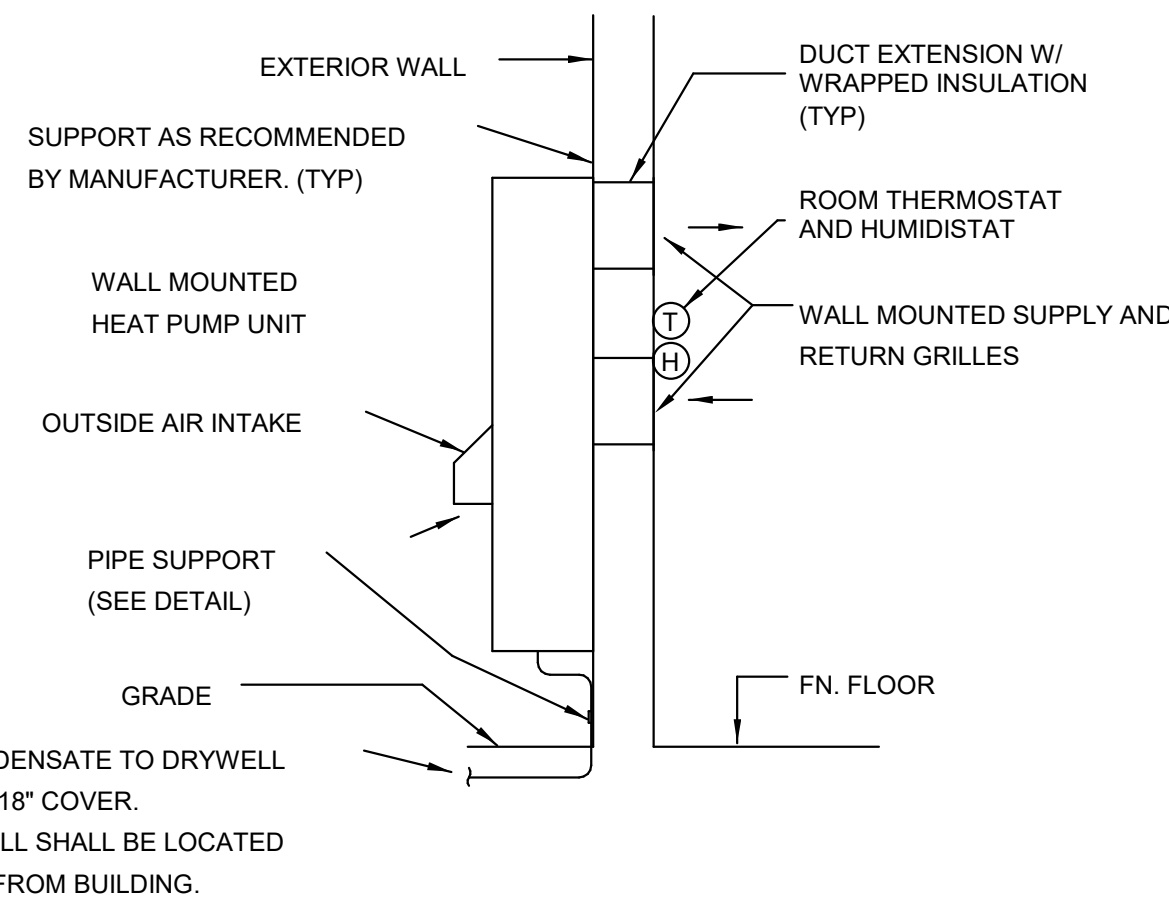


PACKAGED OUTSIDE AIR UNIT WITH ENERGY RECOVERY WHEEL CONTROLS



CONTROL SEQUENCE:
 THE AC UNIT SHALL BE CONTROLLED BY A WIRED WALL MOUNTED REMOTE CONTROLLER. THE CONTROLLER SHALL CYCLE ON COMPRESSOR(S) TO MAINTAIN COOLING SETPOINT (74°F - ADJUSTABLE) AND HEATING SETPOINT (70°F - ADJUSTABLE). ALL MINI-SPLIT AC UNITS THAT SERVE ELECTRICAL AND IT ROOMS SHALL NOT SET THEIR TEMPERATURE BACK AT NIGHT. FOR ALL MINI-SPLIT AC UNITS THAT SERVE OFFICES, CLASSROOMS, ETC. SHALL SET THEIR TEMPERATURE BACK TO 4°F ABOVE SETPOINT IN SUMMER AND 4°F BELOW SETPOINT IN THE WINTER. COORDINATE WITH OWNER TO ESTABLISH OCCUPIED/UNOCCUPIED SCHEDULES.

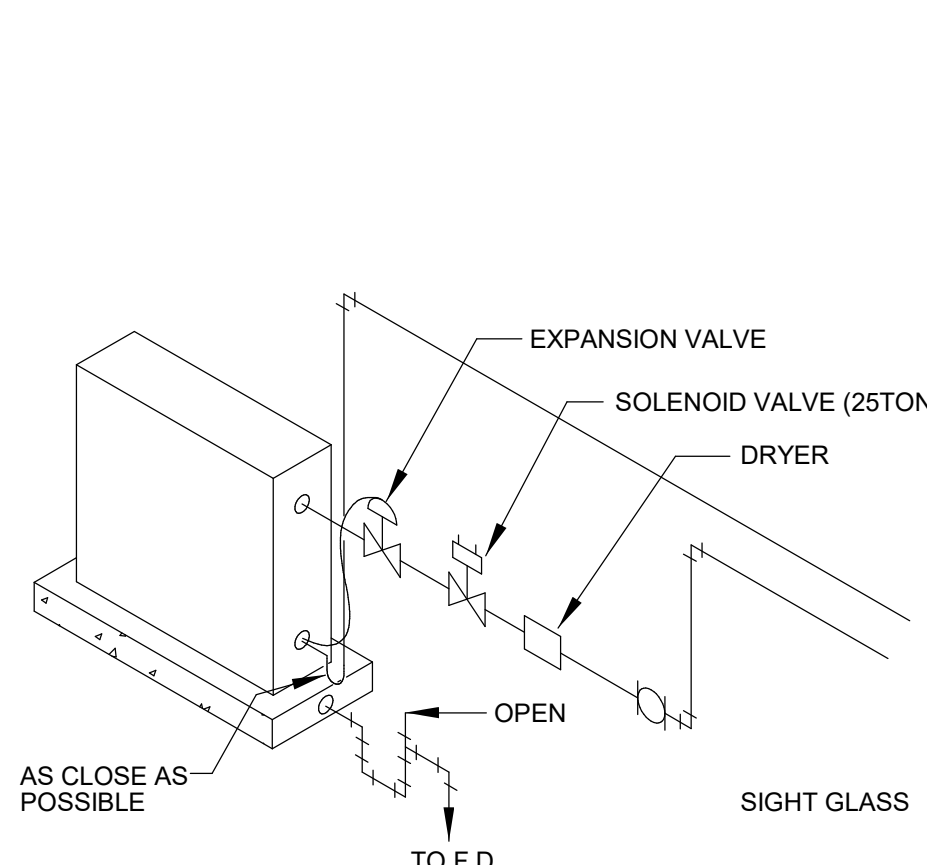
DUCTLESS SPLIT SYSTEM CONTROLS
 NO SCALE



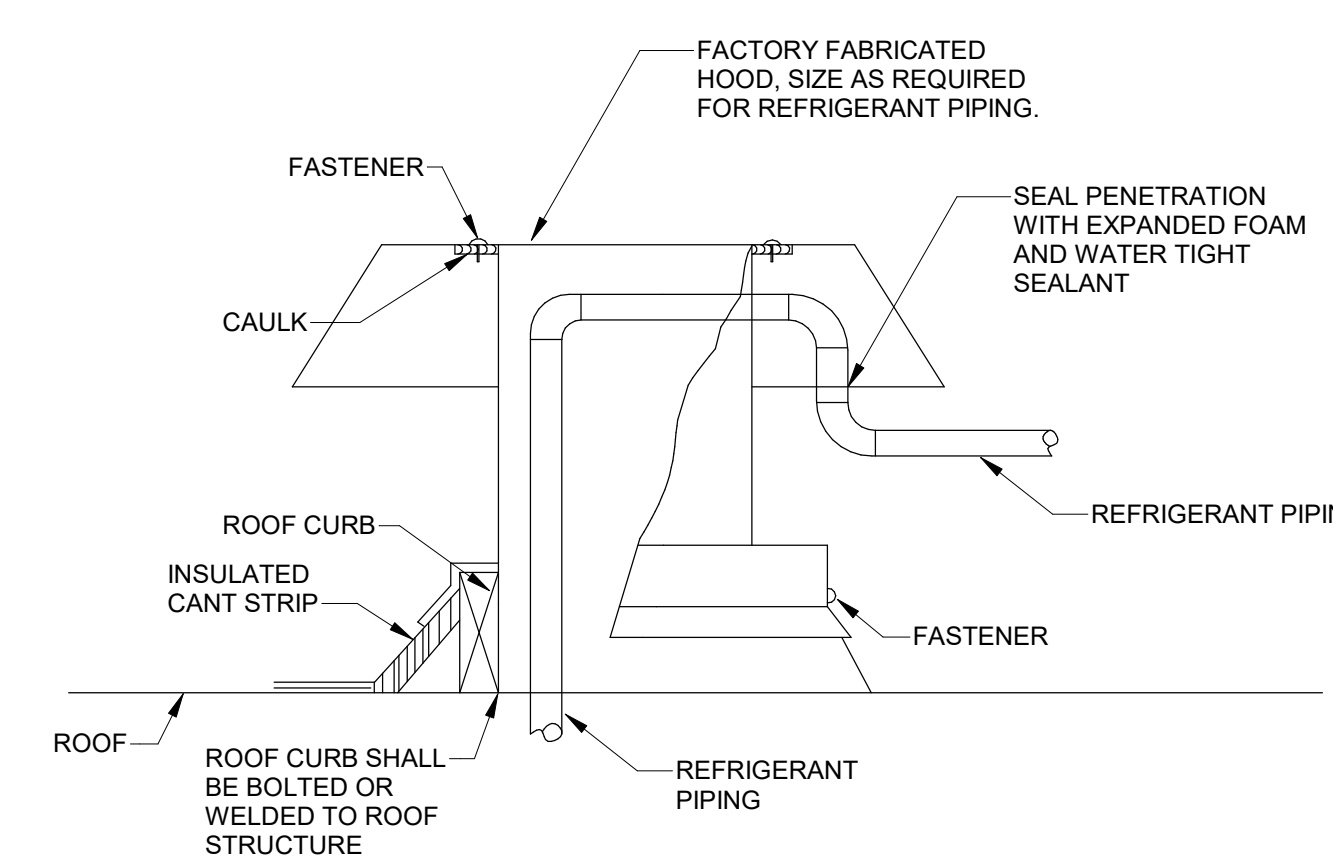
WALL-HUNG CLASSROOM UNIT DETAIL
 NO SCALE



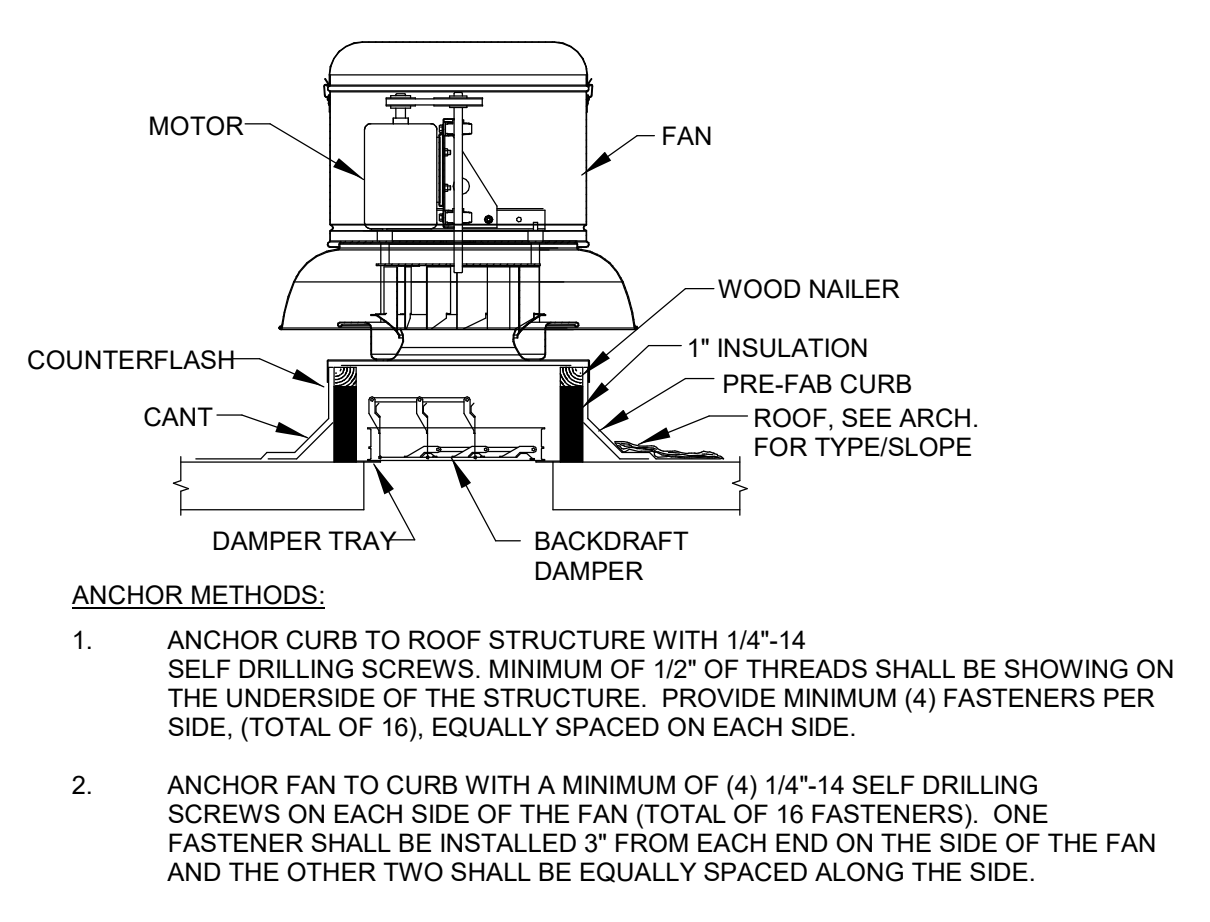
CONTROL SEQUENCE
OCCUPIED MODE:
 THE ROOM MOUNTED PROGRAMABLE THERMOSTAT SHALL INITIATE STARTING CONTROLS. THE SUPPLY FAN SHALL START SUBJECT TO THE SMOKE DETECTOR INTERLOCK. THE SPACE TEMPERATURE SENSOR TO CYCLE ON COMPRESSOR FOR COOLING TO MAINTAIN COOLING SETPOINT (75°F - ADJUSTABLE). COMPRESSOR AND ELEC STRIP HEAT TO STAGE AS REQUIRED TO MAINTAIN HEATING SETPOINT (72°F - ADJUSTABLE). THE OUTSIDE AIR DAMPER SHALL REMAIN CLOSED.
UNOCCUPIED MODE:
 THE SPACE TEMPERATURE SENSOR SHALL CYCLE THE SUPPLY FAN, DX COOLING, HEATING AND ELEC HEAT TO MAINTAIN THE UNOCCUPIED SPACE SETPOINT (80°F HEATING/81°F COOLING - ADJUSTABLE). THE OUTSIDE AIR DAMPER SHALL REMAIN CLOSED.
DEHUMIDIFICATION SEQUENCE:
 UPON A RISE IN SPACE HUMIDITY (ABOVE 60% RH), THE AC UNIT SHALL GO INTO FULL COOLING AND STAGE ON THE HOT GAS REHEAT COIL TO MAINTAIN A SPACE TEMPERATURE OF 75°F (ADJUSTABLE). UPON THE HUMIDITY FALLING BACK BELOW SETPOINT THE UNIT SHALL RETURN TO NORMAL OPERATION.



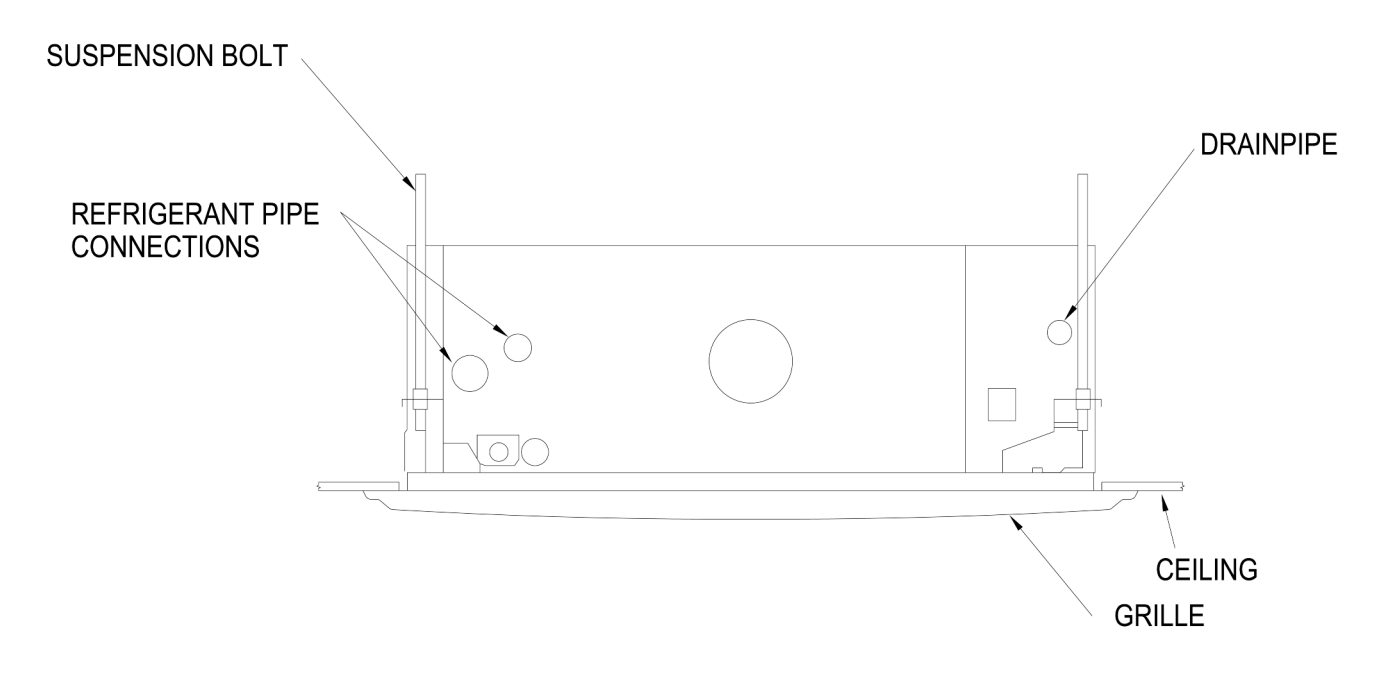
DX COIL PIPING DETAIL
 NO SCALE



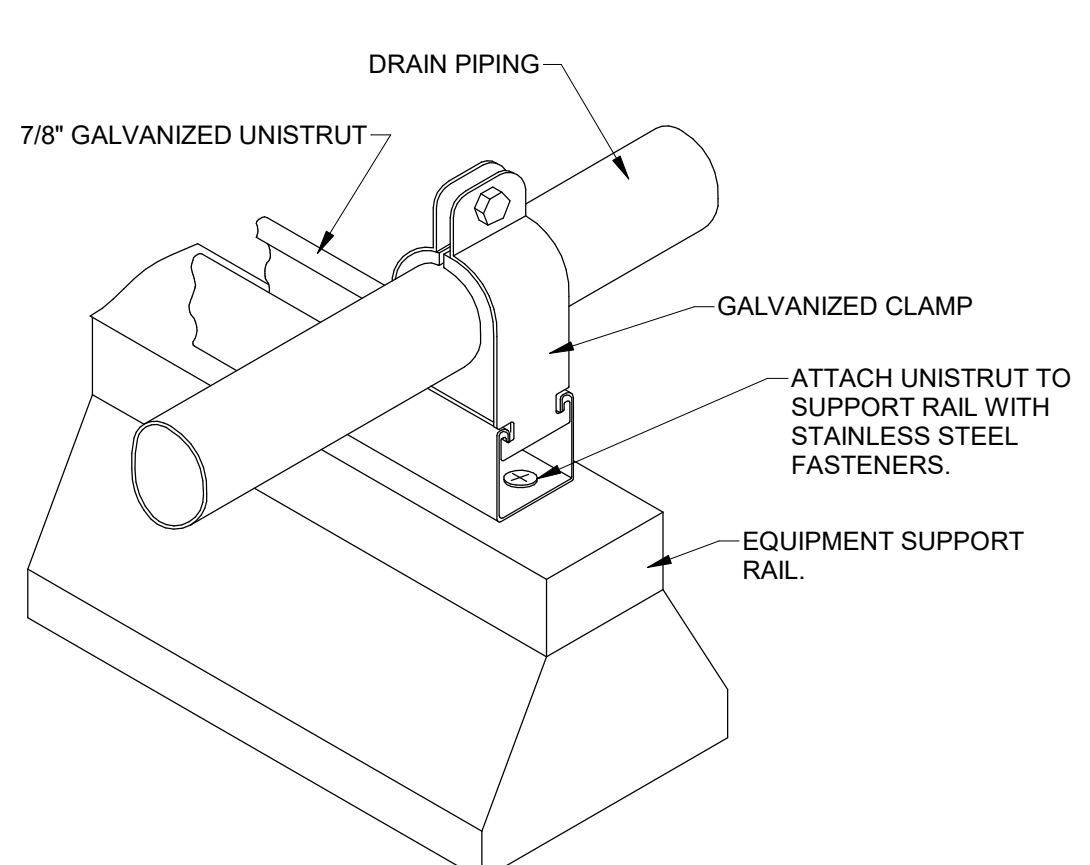
PIPE PENETRATION THRU ROOF
 NO SCALE



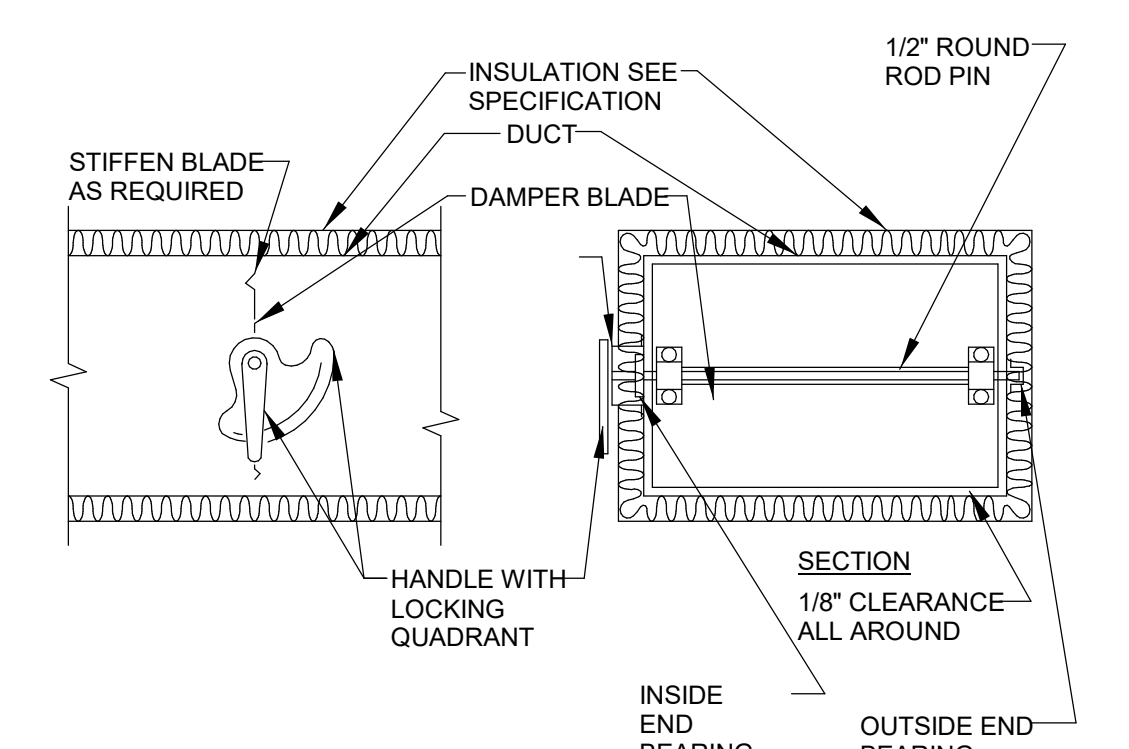
CENTRIFUGAL ROOF FAN INSTALLATION DETAIL
 NO SCALE



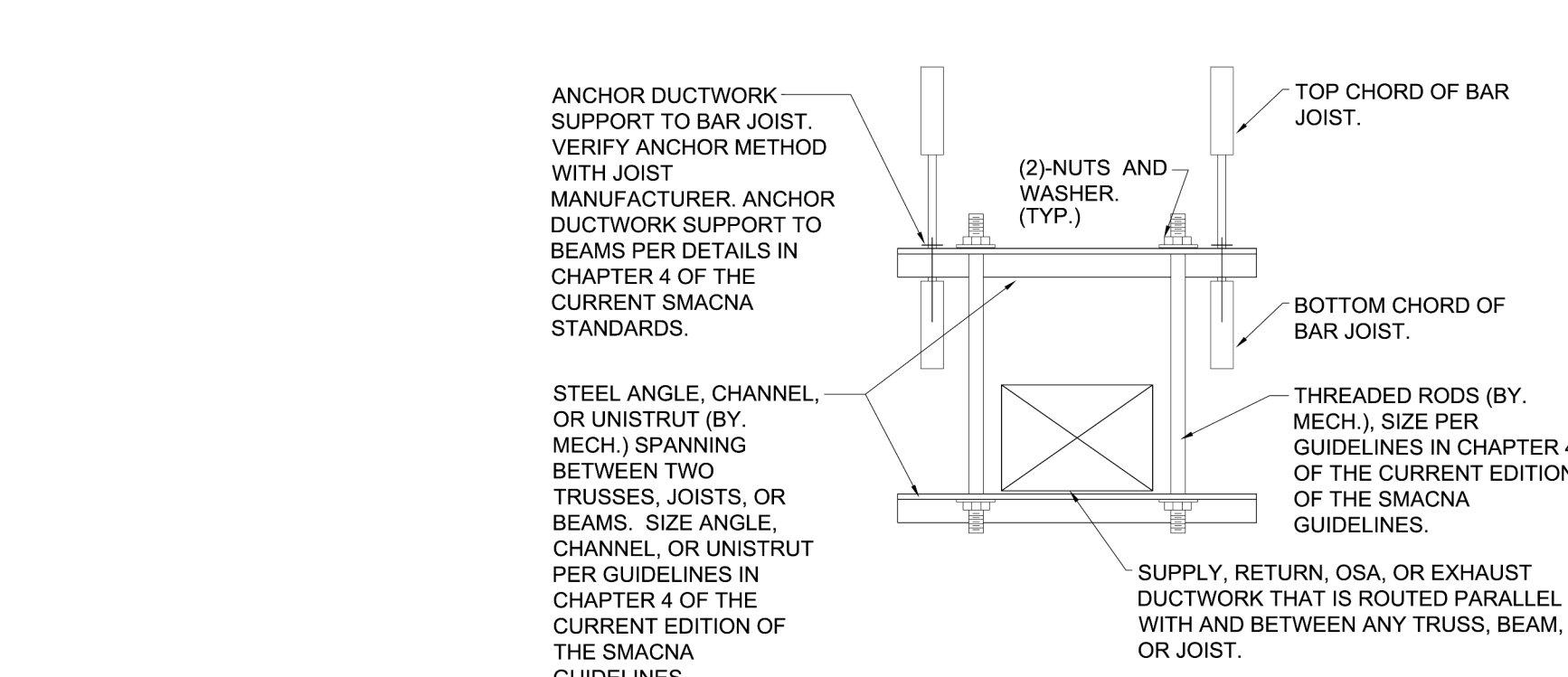
INDOOR CEILING CASSETTE UNIT DETAIL
 NO SCALE



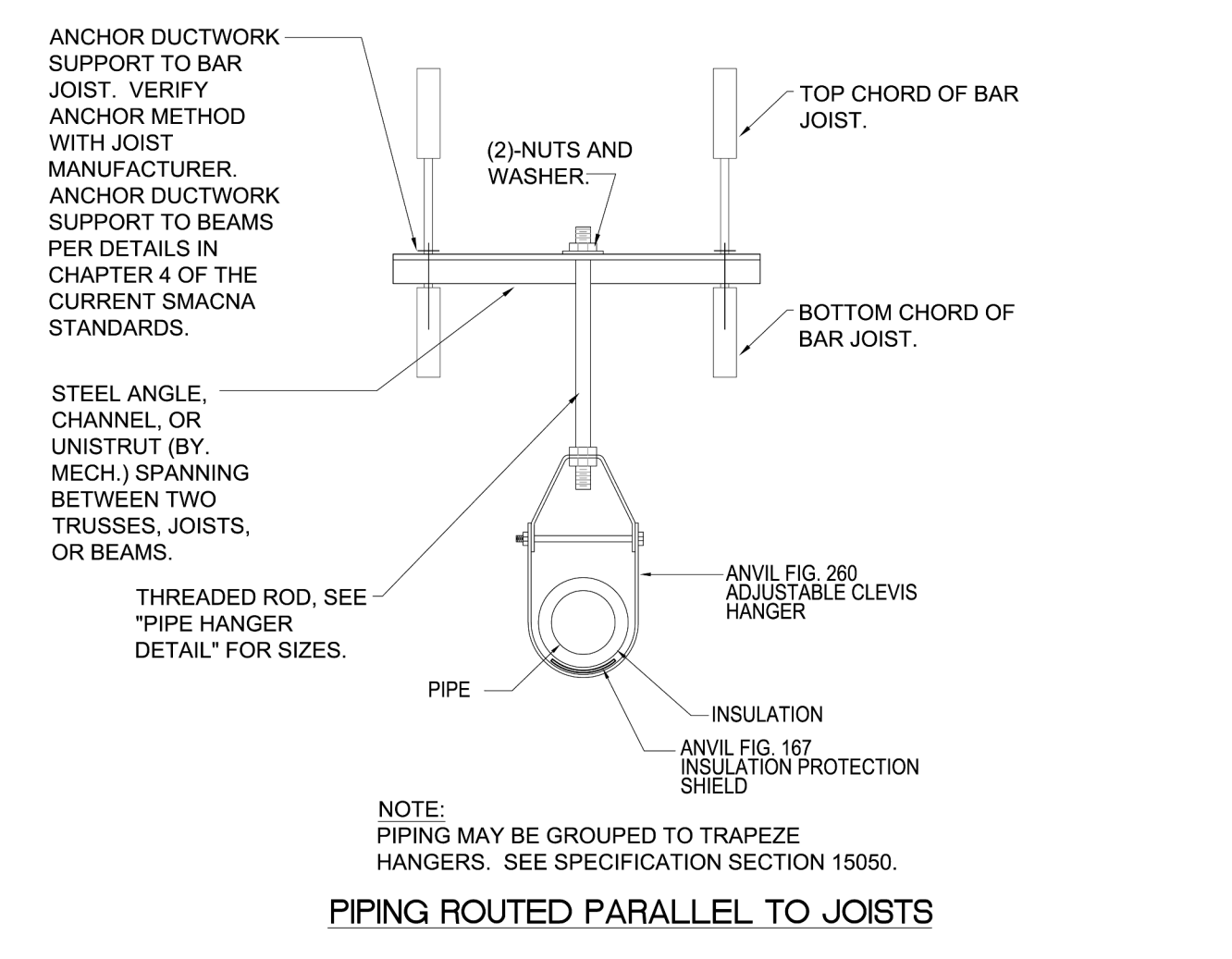
PIPING SUPPORT DETAIL
 NO SCALE



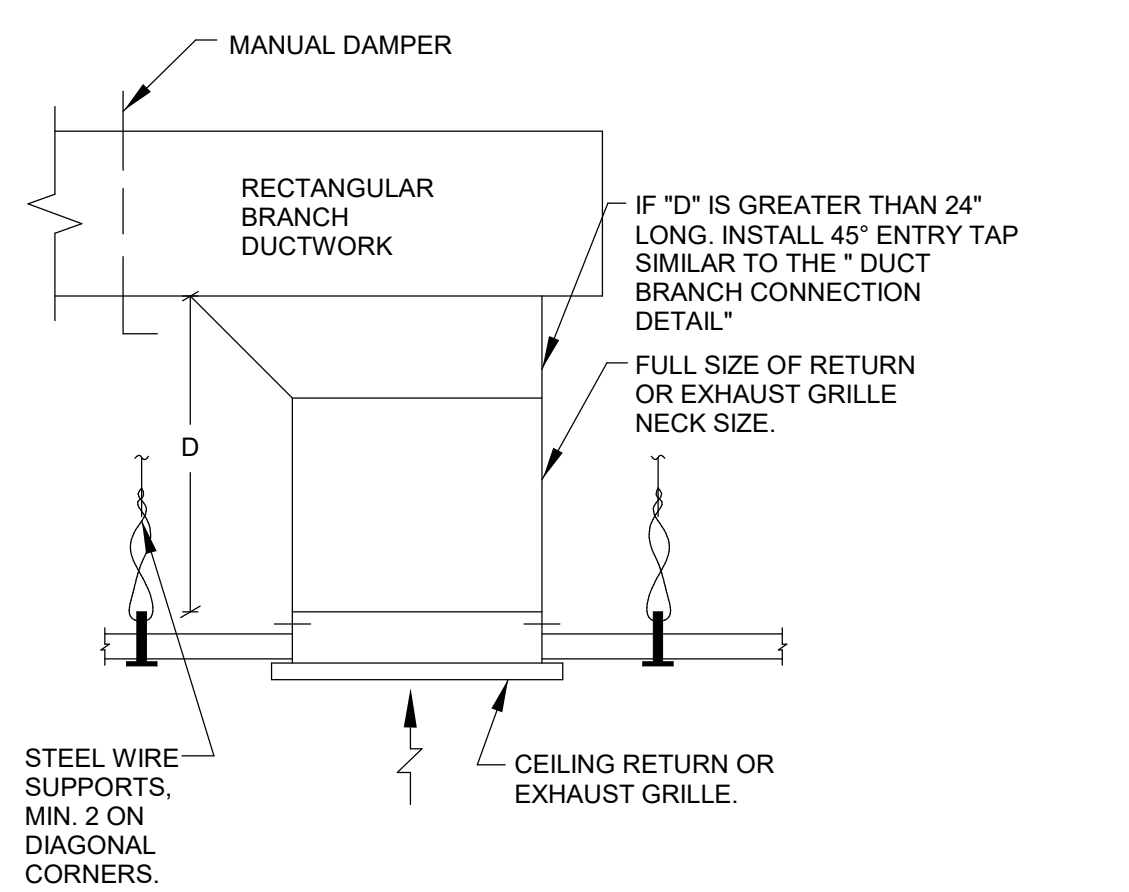
MANUAL DAMPER DETAIL
 NO SCALE



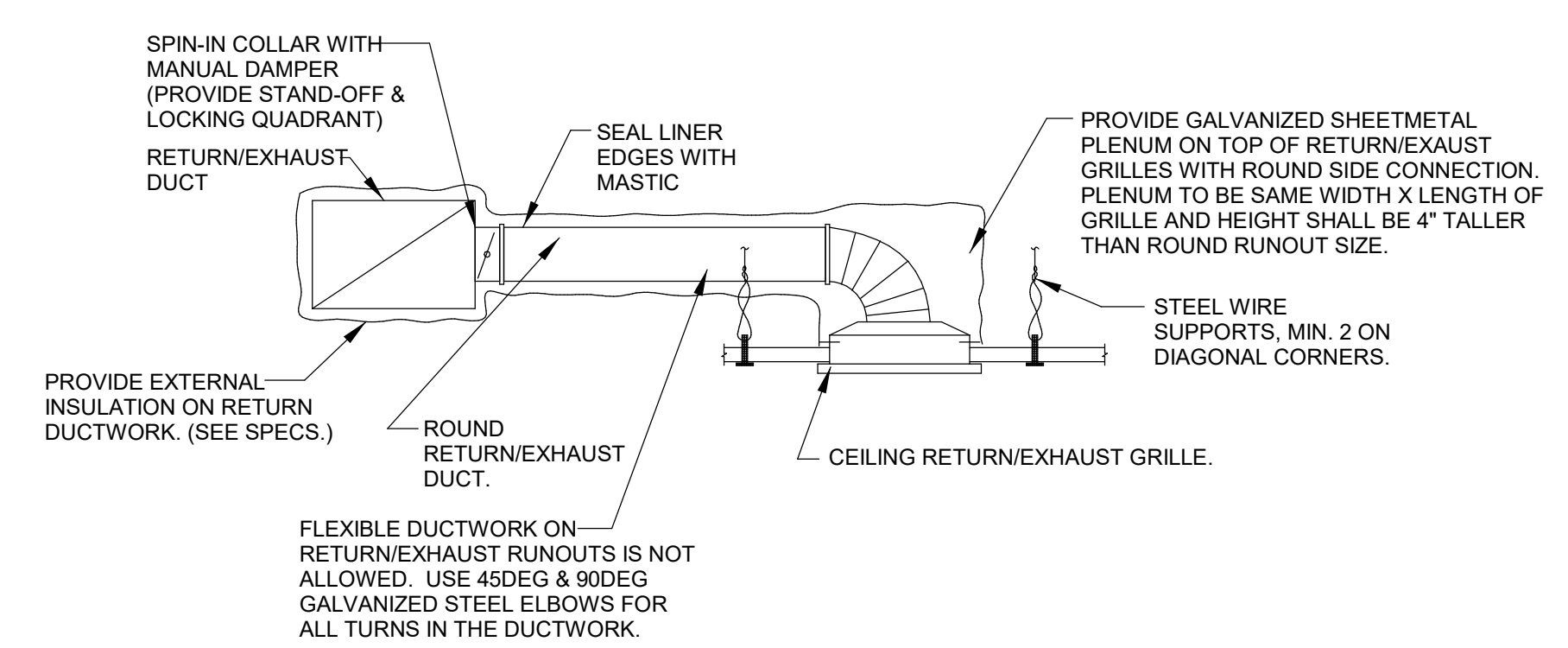
DUCTWORK ROUTED PARALLEL TO JOISTS



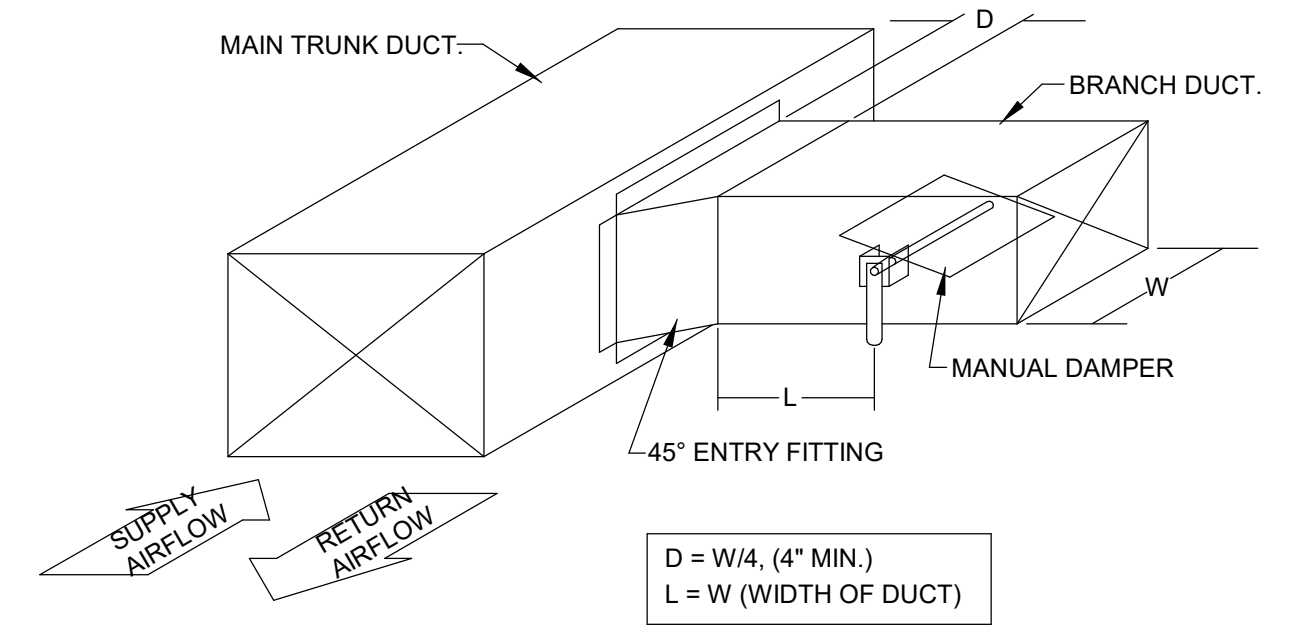
REFRIGERANT PIPING HANGER DETAIL
 NO SCALE



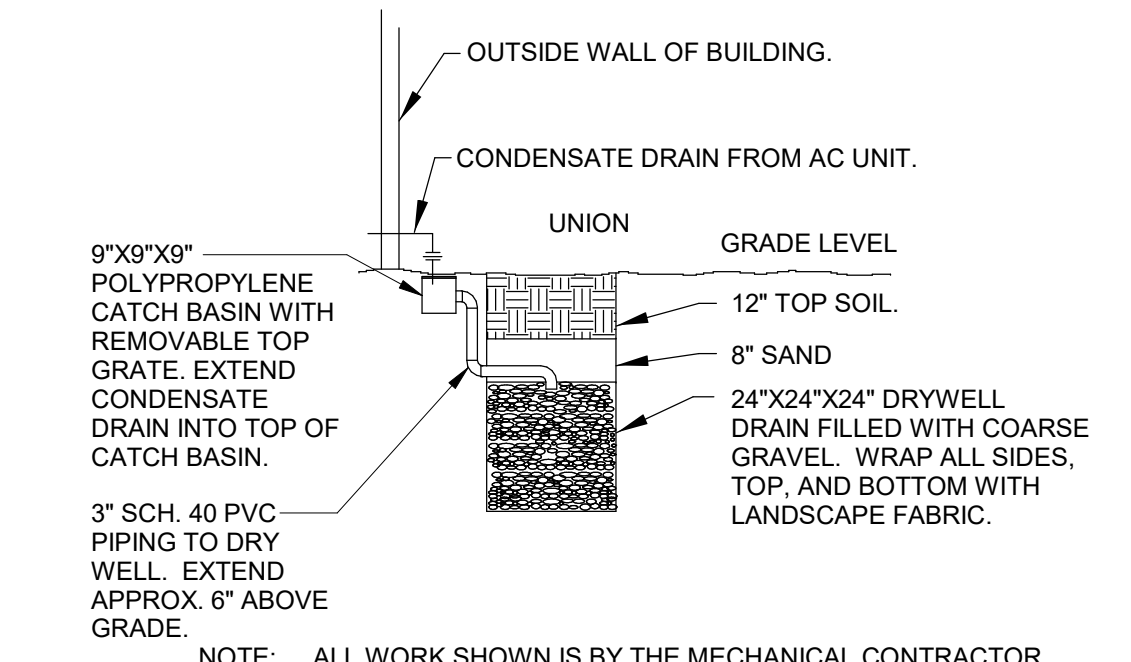
CEILING RETURN/EXHAUST BRANCH CONNECTION DETAIL
 NO SCALE



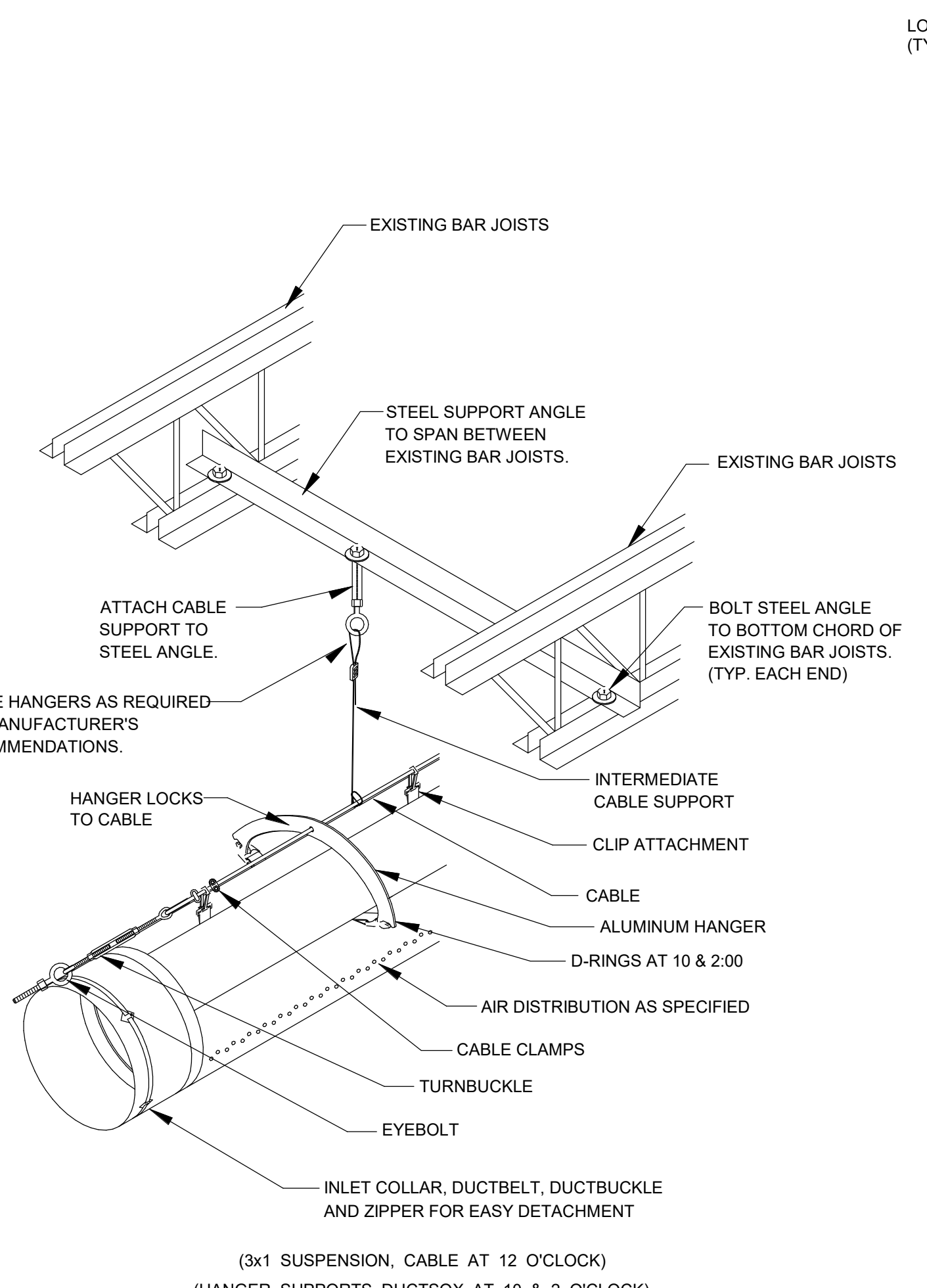
CEILING RETURN/EXHAUST BRANCH CONNECTION DETAIL (FOR BRANCH CONNECTIONS 12" & SMALLER)
 NO SCALE



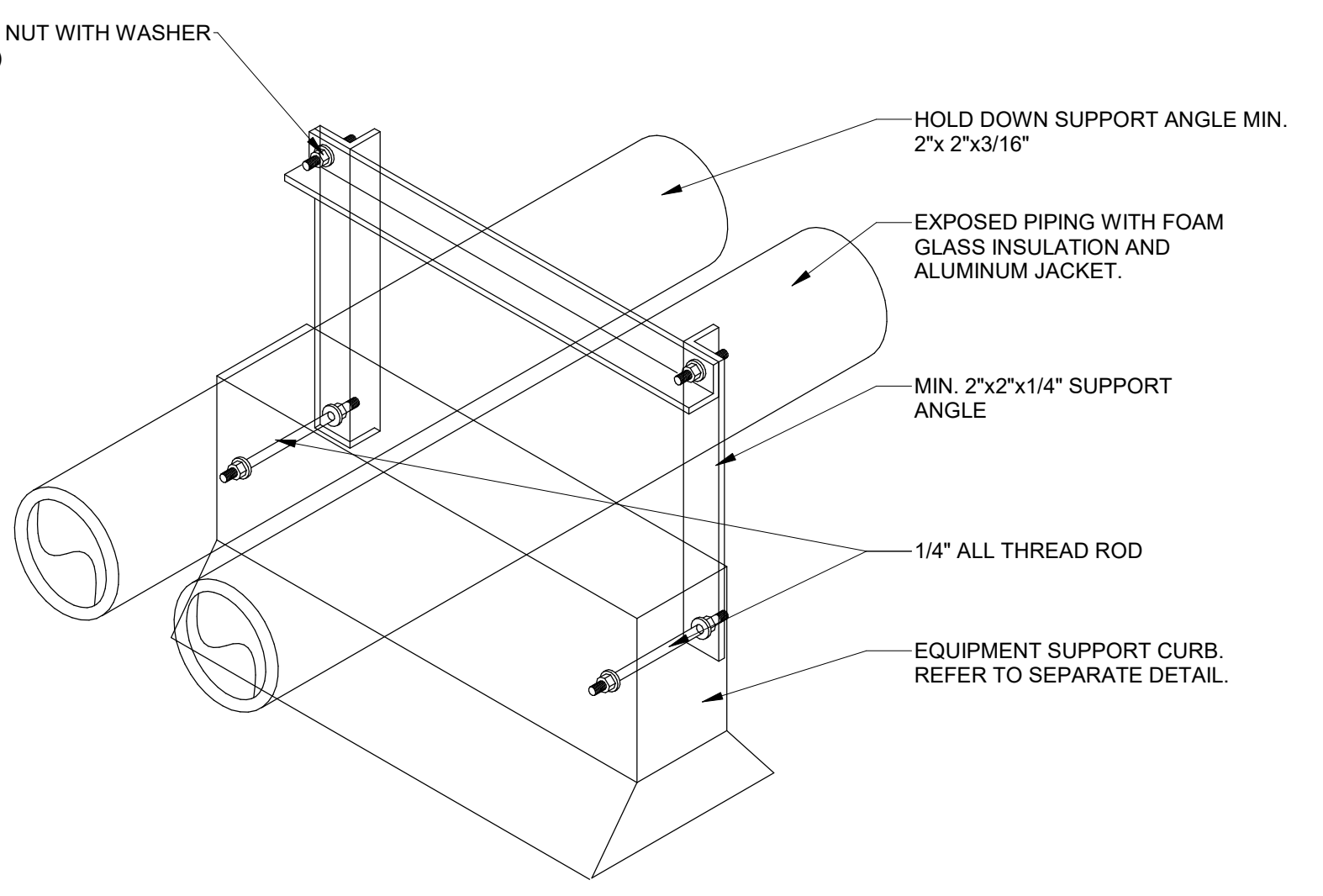
DUCT BRANCH CONNECTION
 NO SCALE



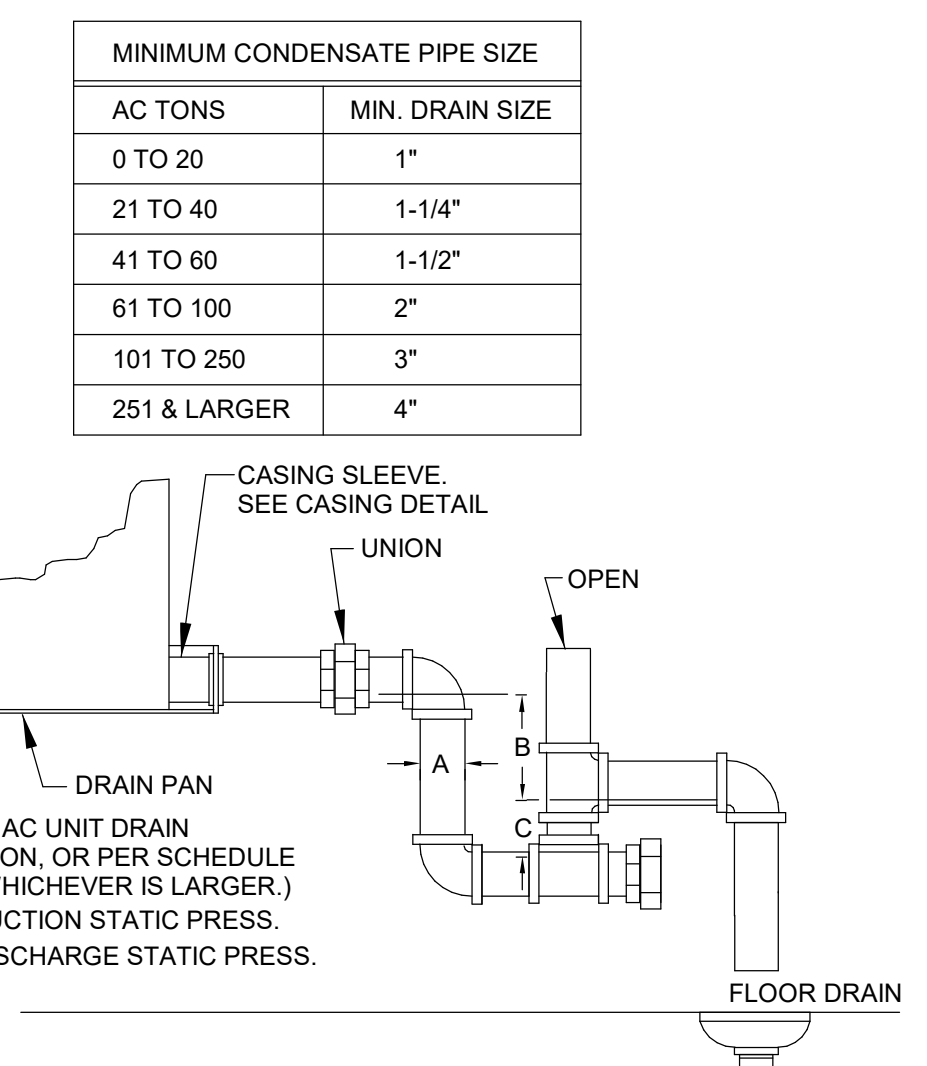
DRY WELL DETAIL
 NO SCALE



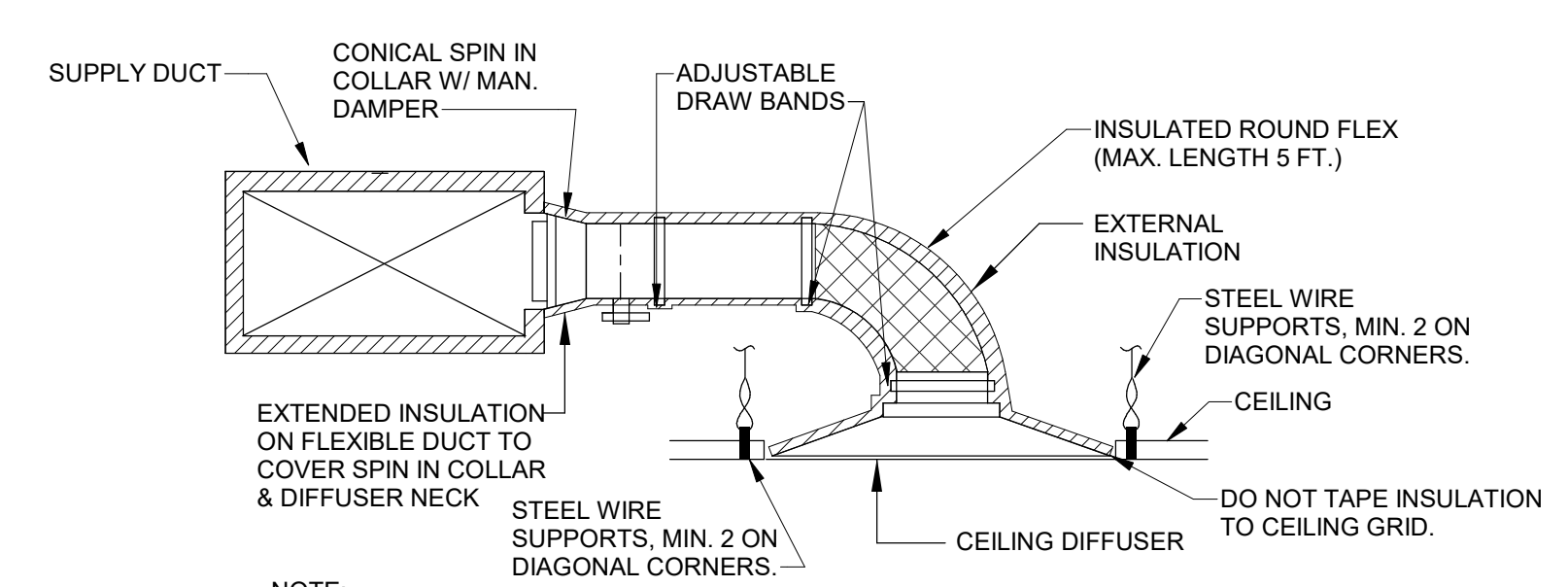
FABRIC DUCT SUPPORT DETAIL
 NO SCALE



PIPE SUPPORT ON ROOF DETAIL
 NO SCALE

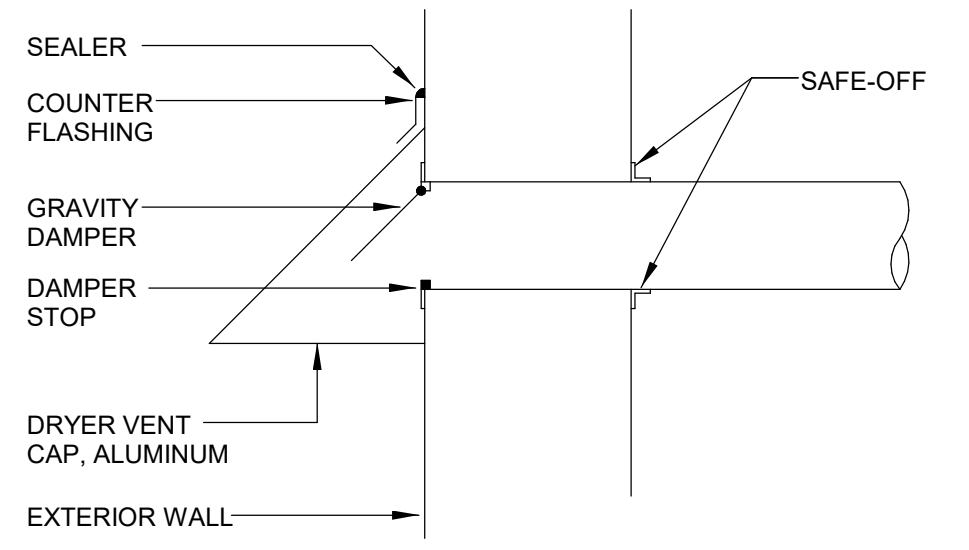


AC UNIT DRAIN TRAP DETAIL
 NO SCALE

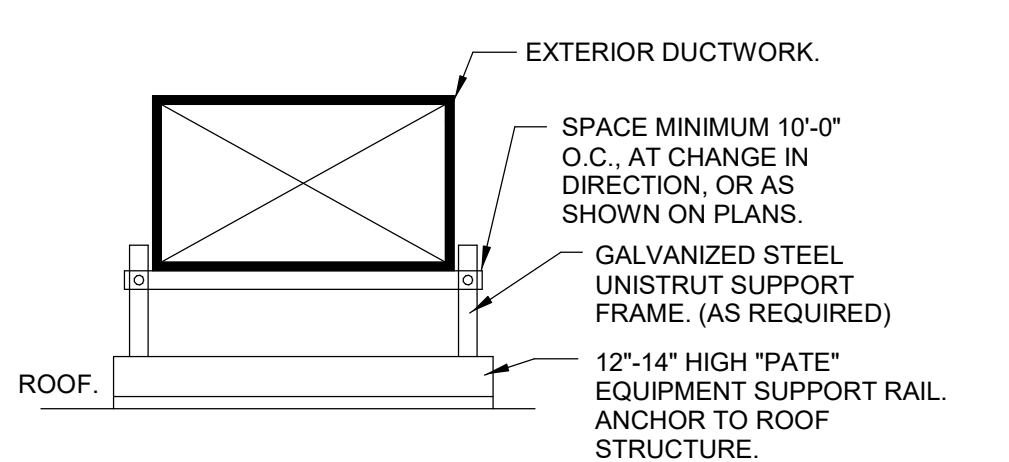


- NOTE:**
- WHEREVER THE SUPPLY DUCT HEIGHT IS INSUFFICIENT TO CONNECT THE SPIN-IN, THE SPIN-IN MAY BE CONNECTED TO THE TOP OR BOTTOM OF THE DUCT. IF THE BRANCH DUCT MUST BE CONNECTED TO THE SIDE OF THE MAIN DUCT, USE A RECTANGULAR BRANCH DUCT CONNECTION OF EQUAL AIR VELOCITY AND TRANSITION TO ROUND DUCT. REFER TO SPECIFICATION FOR MAXIMUM TURNS IN FLEX DUCT.
 - PROVIDE EXTERNAL INSULATION ON ALL ROUND BRANCH DUCTWORK. SEE SPECS FOR THICKNESS AND EXTENT.
 - PROVIDE EXTERNAL INSULATION ON BACK SIDE OF CEILING DIFFUSERS. THICKNESS TO MATCH BRANCH DUCT INSULATION THICKNESS.

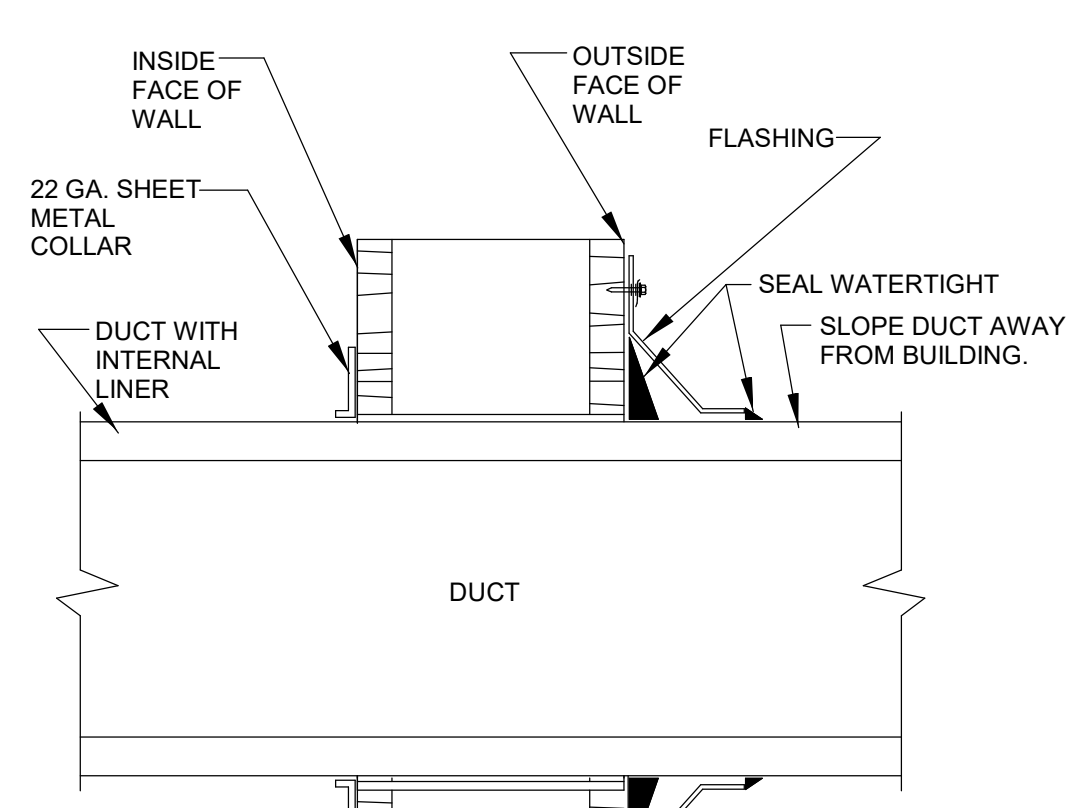
CEILING DIFFUSER INSTALLATION DETAIL
 NO SCALE



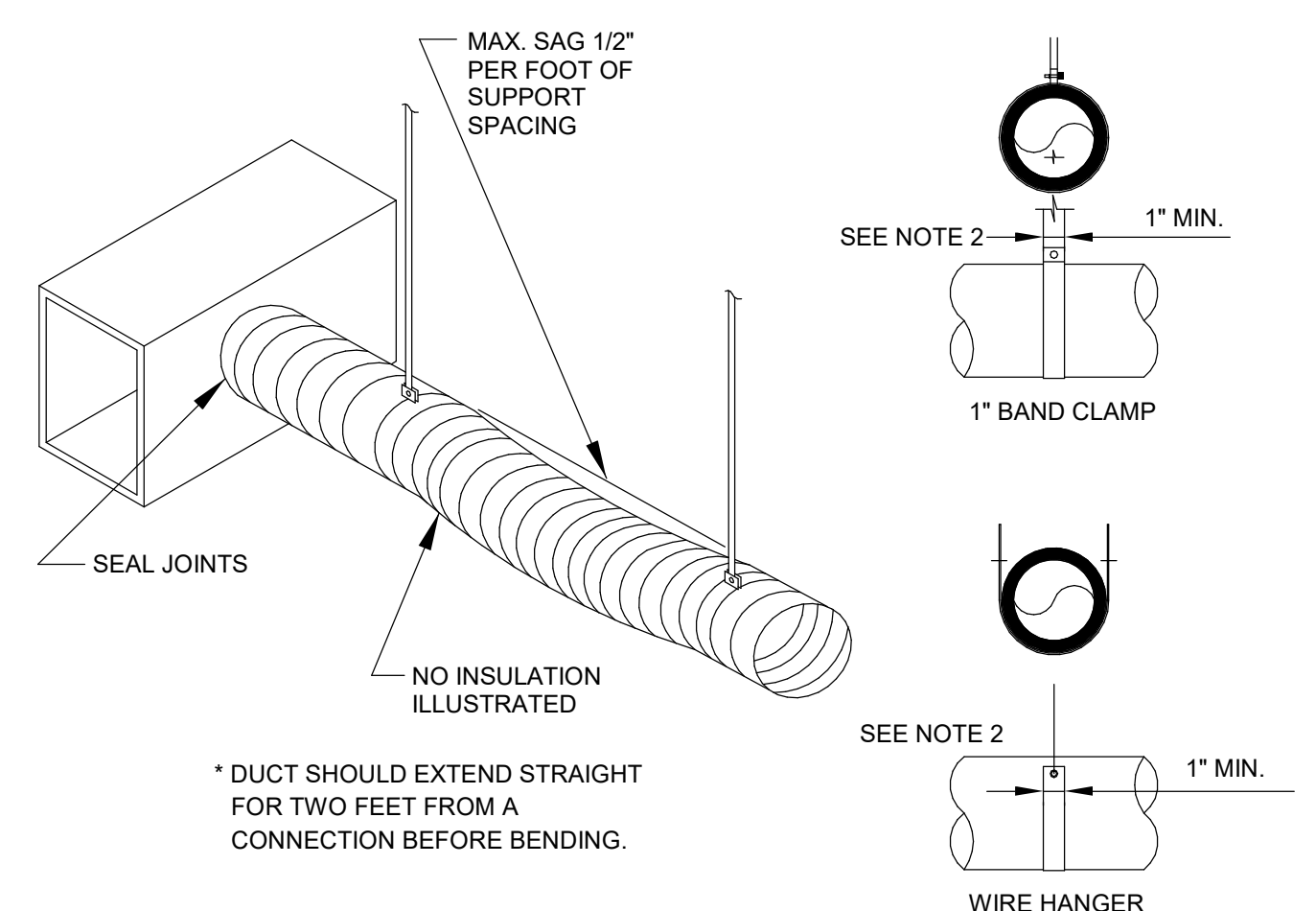
DRYER VENT THRU EXTERIOR WALL
 NO SCALE



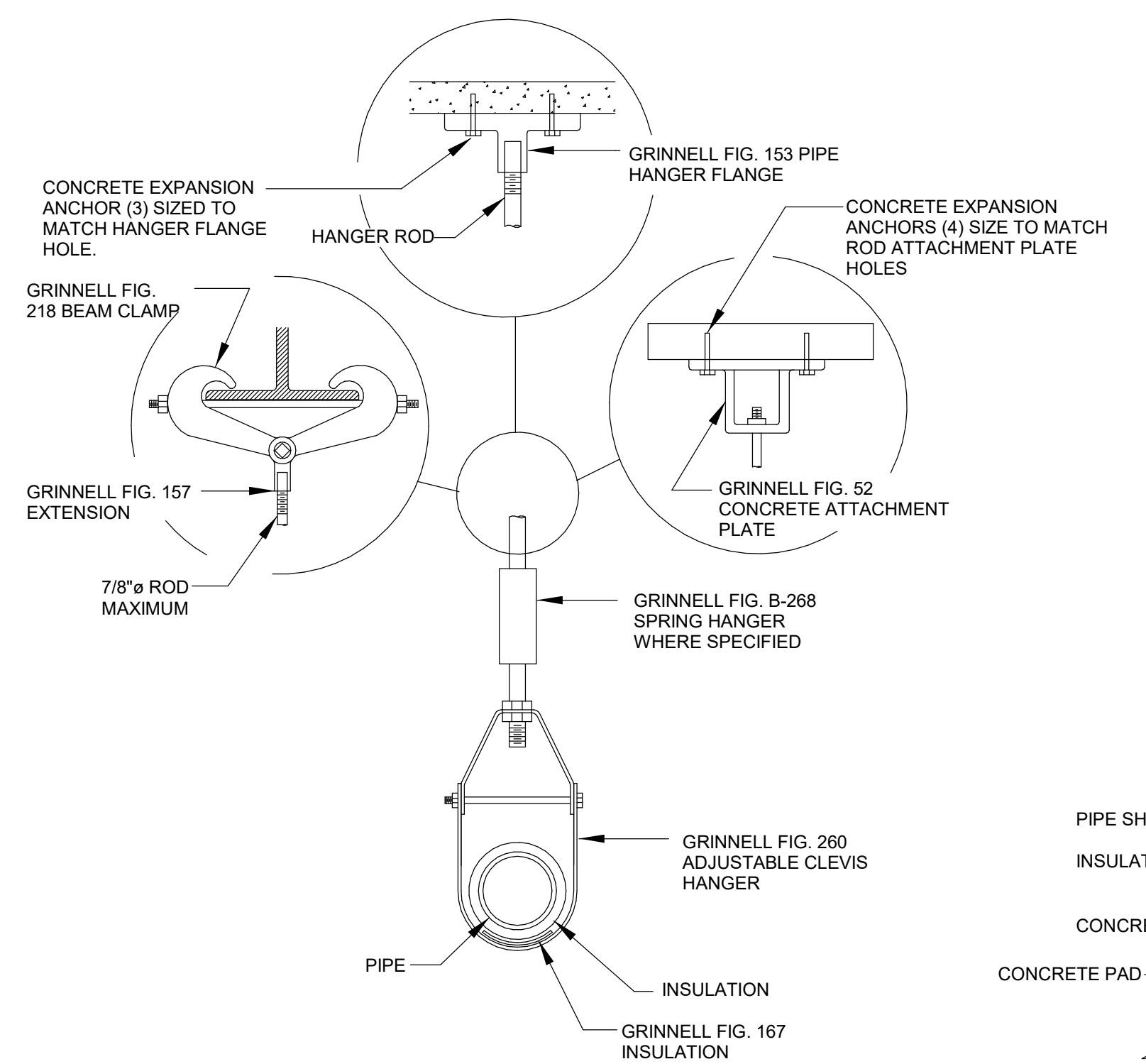
DUCT SUPPORT ON ROOF DETAIL
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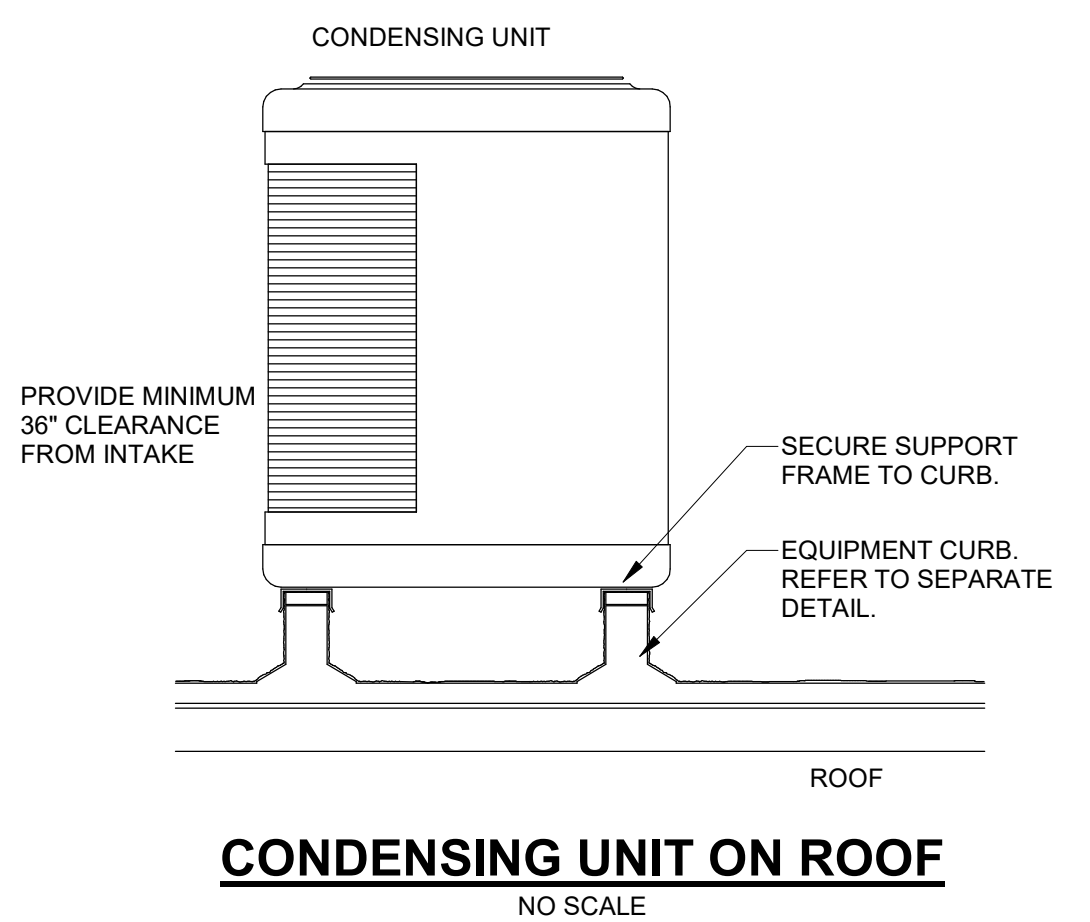
DUCTWORK THRU OUTSIDE WALL DETAIL
 NO SCALE



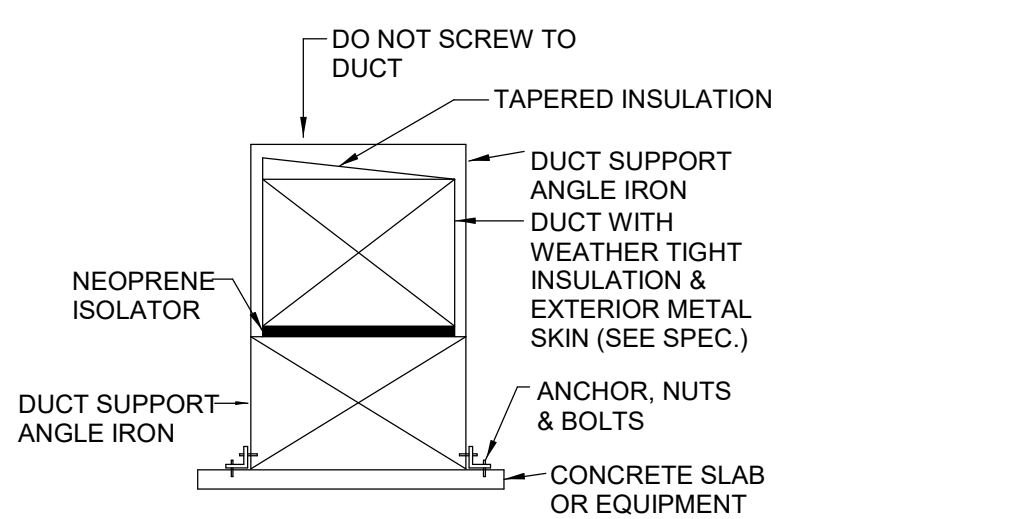
FLEXIBLE DUCT SUPPORT DETAIL
 NO SCALE



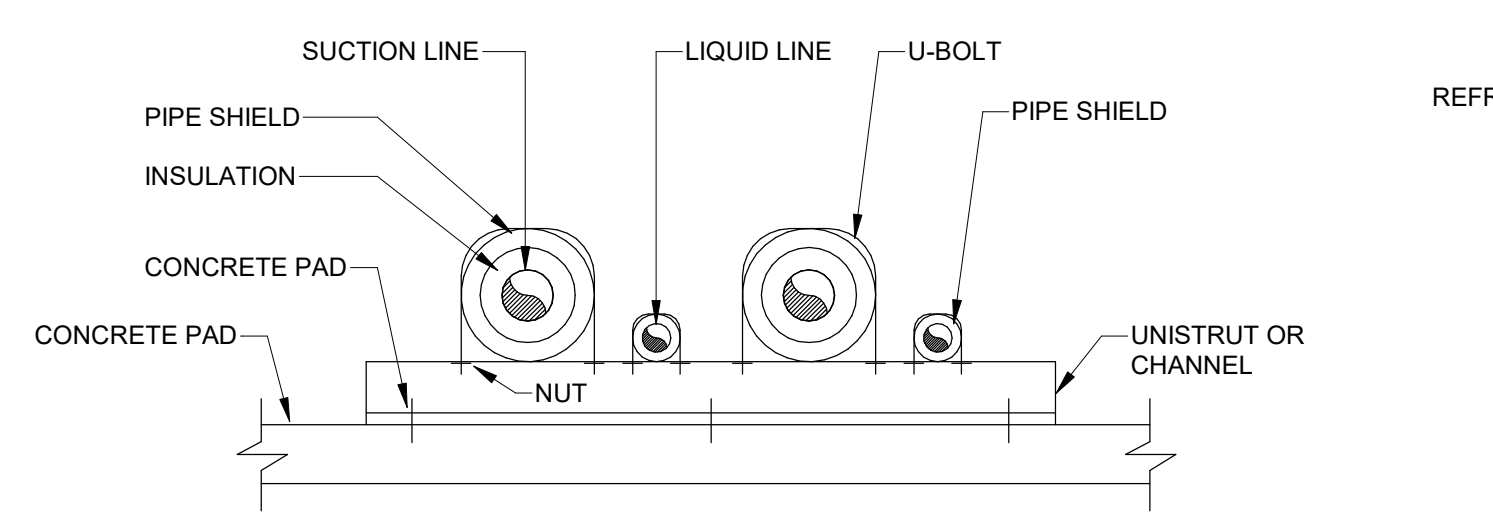
CLEVIS HANGER DETAIL
 NO SCALE



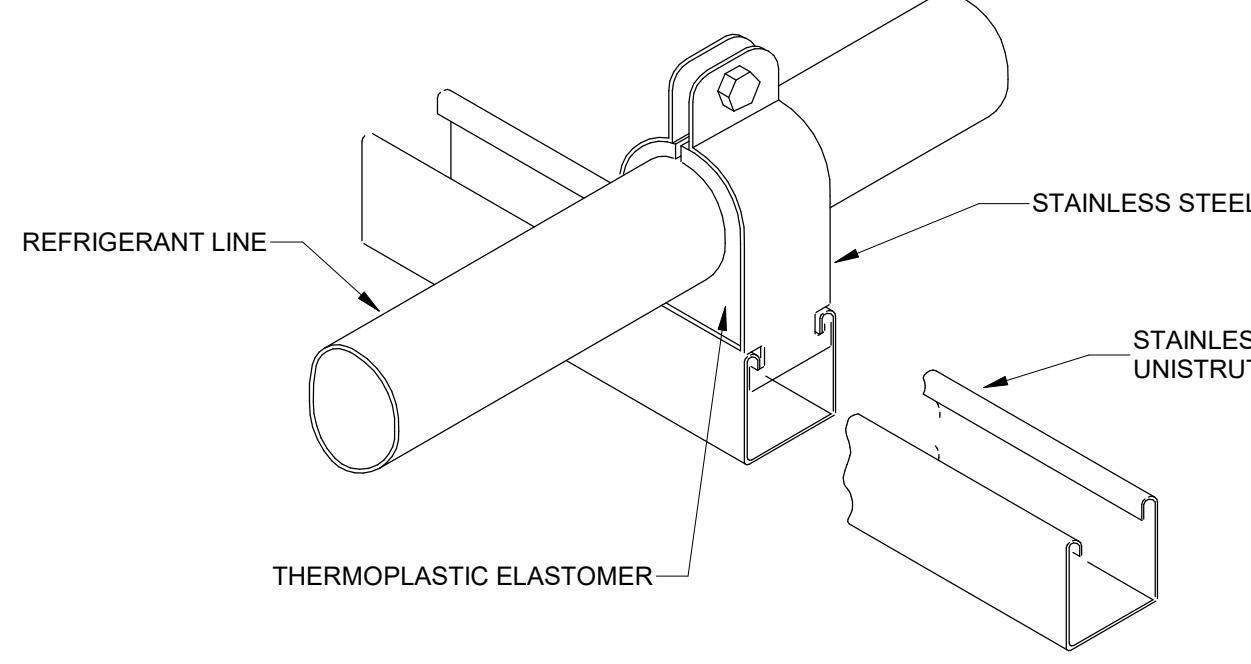
CONDENSING UNIT ON ROOF
 NO SCALE



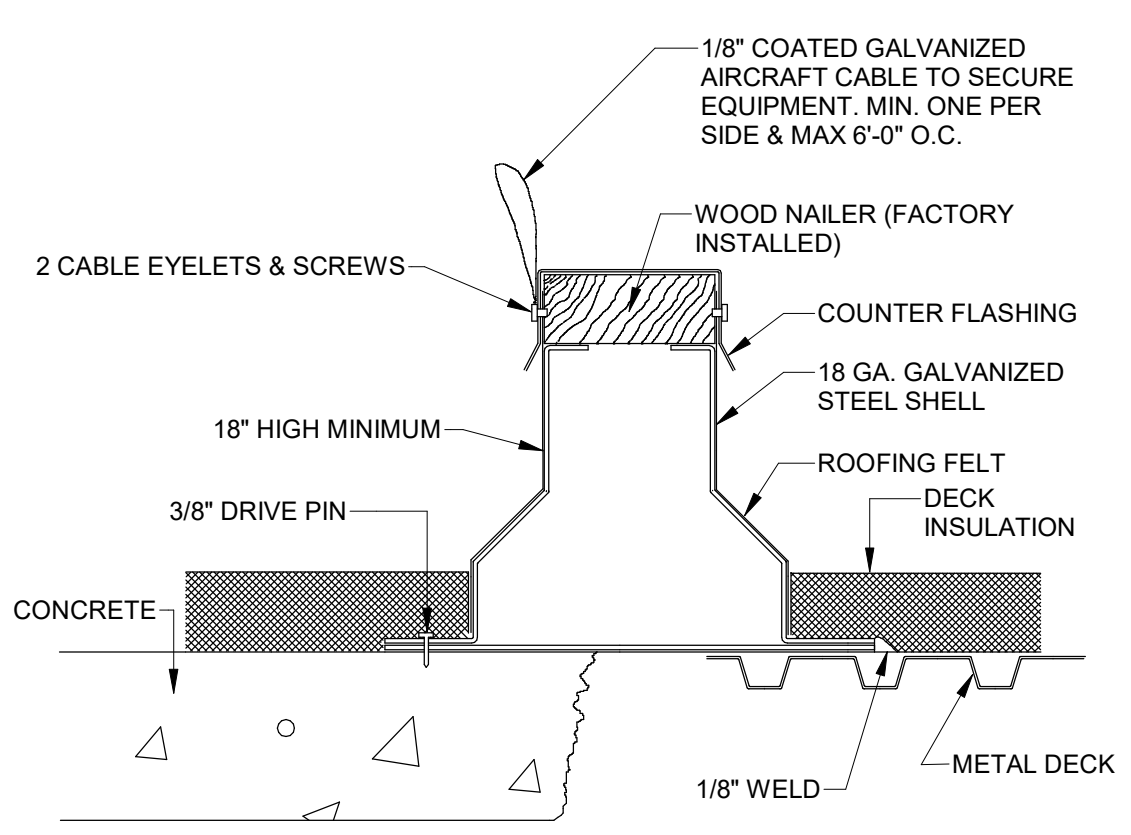
DUCT SUPPORT DETAIL
 NO SCALE



REFRIGERANT PIPE SUPPORT FROM CONCRETE PAD DETAIL
 NO SCALE



REFRIGERANT LINE SUPPORT DETAIL
 NO SCALE



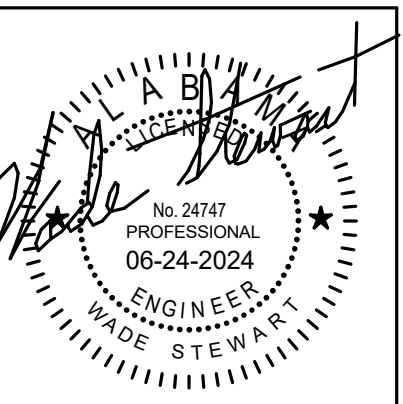
EQUIPMENT ROOF SUPPORT DETAIL
 NO SCALE

- NOTES:**
- SUPPORT SYSTEM MUST NOT DAMAGE DUCT OR CAUSE OUT OF ROUND SHAPE.
 - DUCTS ARE FLEXIBLE WITH EXTERNAL INSULATION AND VAPOR BARRIER JACKETING.
 - MIN. CENTER LINE BEND LINE RADIUS IS ONE DIA. (OR INSIDE RADIUS OF D/2).
 - FLEXIBLE DUCT LENGTH SHALL NOT EXCEED 5 LINEAR FEET.

PIPE SIZE	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"	10"
ROD DIAMETER	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	1/2"	5/8"	3/4"	7/8"	7/8"	
SPACING	6"	8"	8"	8"	10"	10"	10"	10"	10"	10"	10"	10"

NOTE: LOCATE ADDITIONAL HANGERS AT VALVES AND AT CHANGES IN DIRECTION.
 * SPACING FOR PIPE HANGERS FOR PIPE SIZES LARGER THAN 3" AND HUNG FROM BAR JOISTS SHALL BE DETERMINED BY STRUCTURAL ENGINEER. SEE STRUCTURAL DRAWINGS AND SPECIFICATIONS.

PIPE HANGER DETAIL
 NO SCALE

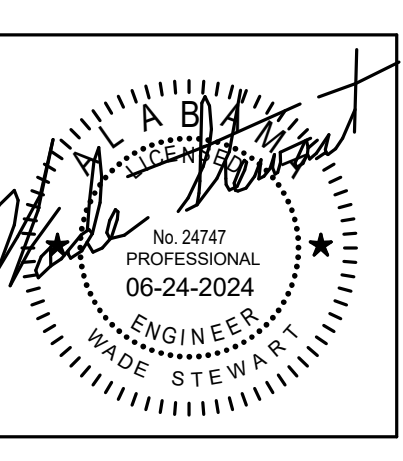


SHEET TITLE:
 MECHANICAL DETAILS

PROJ. MGR.: -- JWS
 DRAWN: -- BDL
 DATE: -- 06/24/24
 REVISIONS

JOB NO. 24-38

SHEET NO.
M0.4

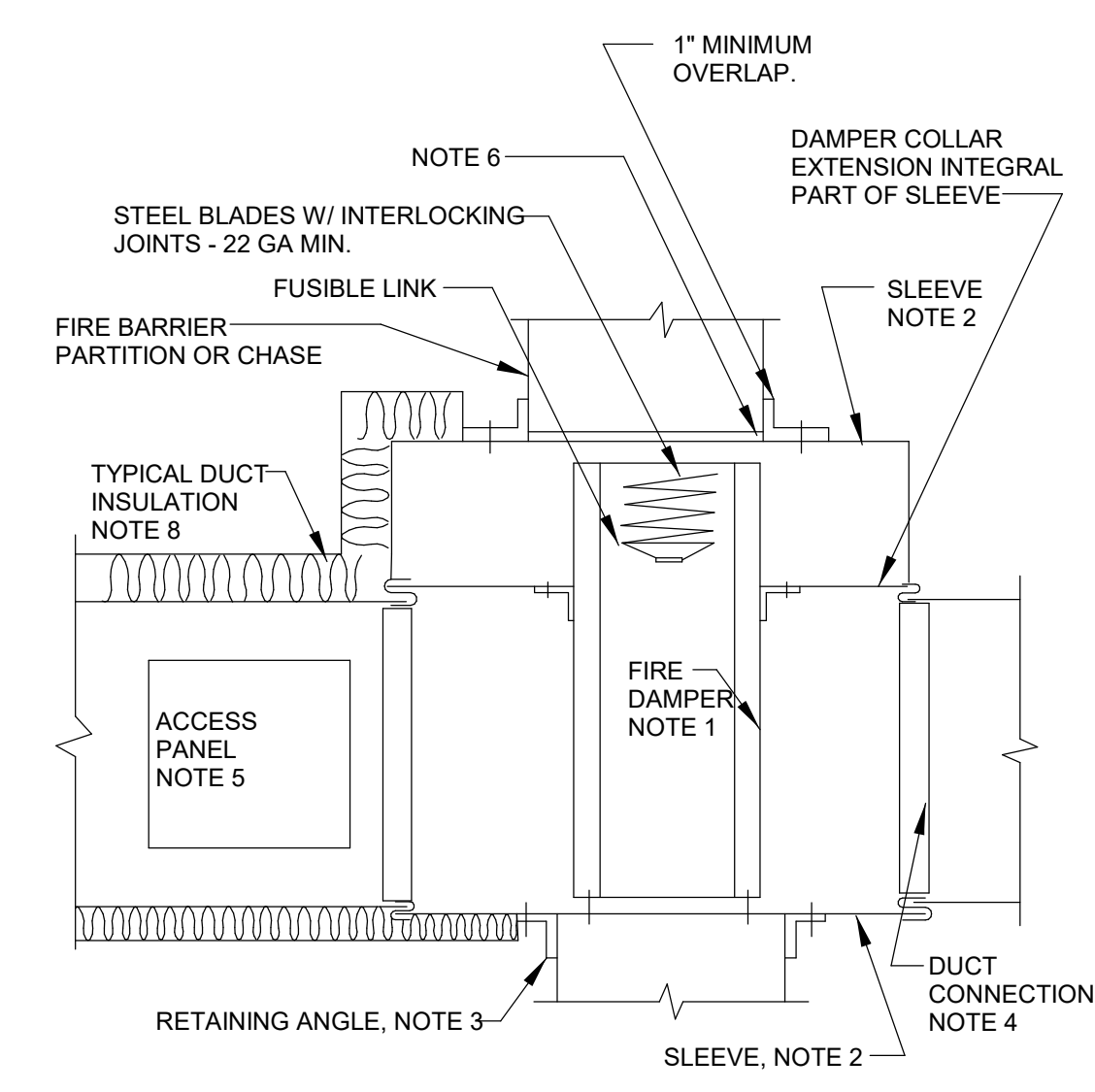


SHEET TITLE:
 MECHANICAL DETAILS

PROJ. MGR.: -- JWS
 DRAWN: BDL
 DATE: -- 06/24/24
 REVISIONS

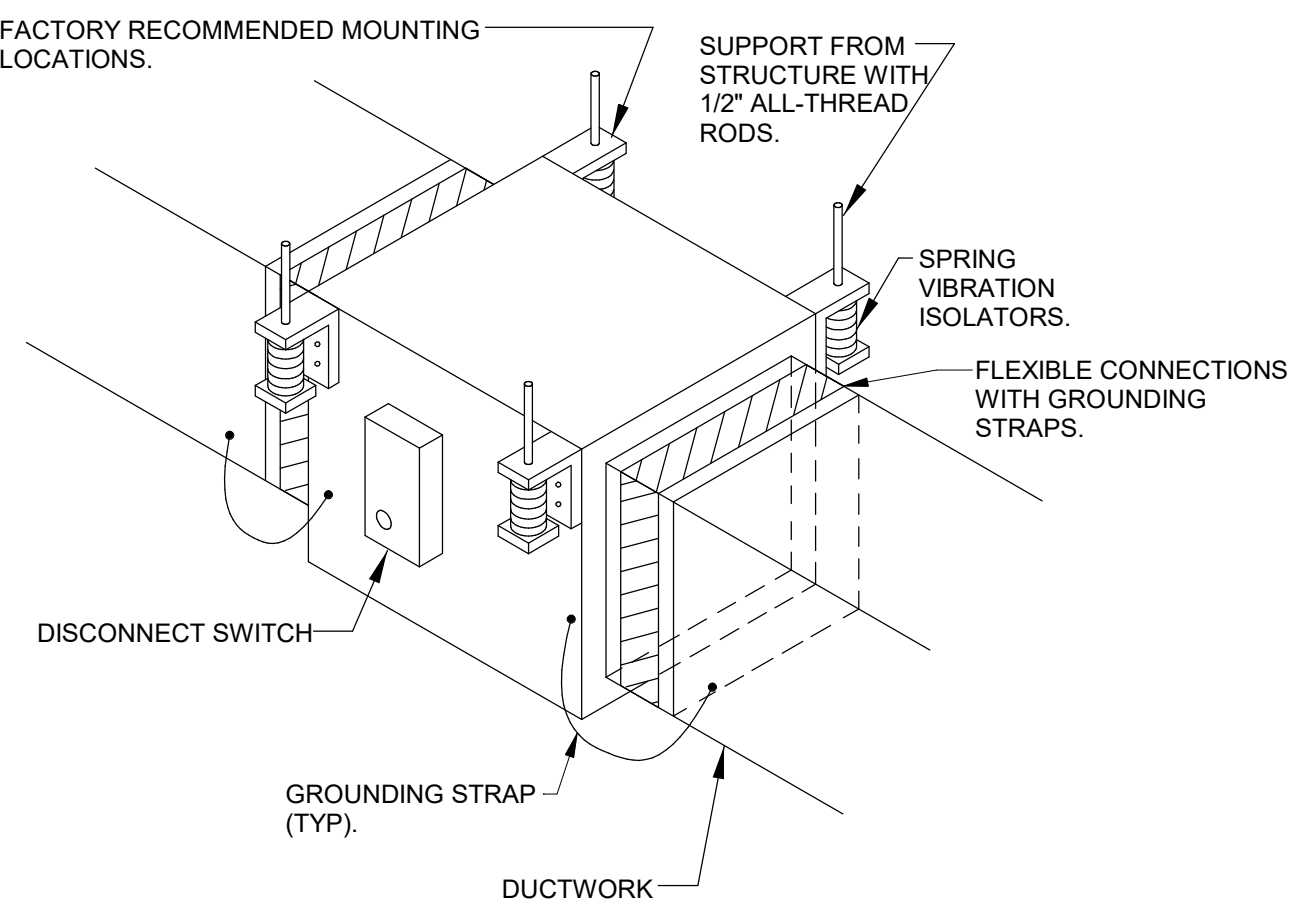
JOB NO. 24-38

SHEET NO:
M0.5

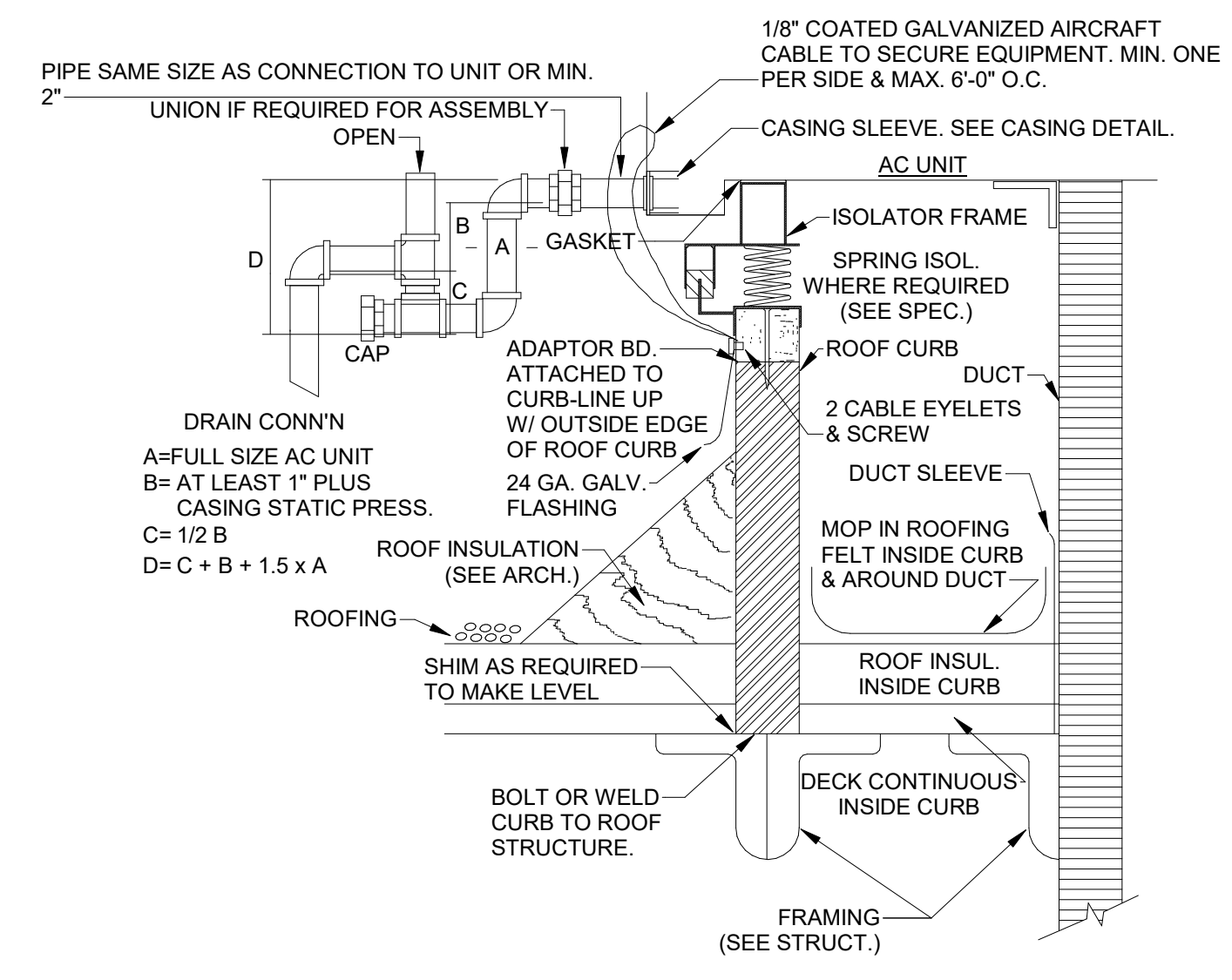


- NOTES:**
1. A VERTICAL DAMPER IS SHOWN. HORIZONTAL DAMPER INSTALLATION IS SIMILAR. FOLLOW DAMPER MANUFACTURER'S INSTRUCTIONS AND SMACNA FIRE DAMPER INSTALLATION GUIDELINE, INCLUDING FASTENER OPTIONS AND GAGES FOR SLEEVE AND RETAINING ANGLES. FIRE DAMPERS MUST BE INSTALLED IN THE PARTITION OR FLOOR AND NOT OUTSIDE THE PENETRATION. ALL FIRE DAMPERS SHALL BE UL LISTED.
 2. GALVANIZED SLEEVE: GAGE NOT LESS THAN CONNECTING DUCT. FASTEN SLEEVE TO DAMPER FRAME AND TO PERIMETER ANGLES.
 3. RETAINING ANGLES: GALVANIZED STEEL, NOT LESS THAN 1-1/2" x 1-1/2", 14 GAGE. TO PROVIDE 1" MINIMUM OVERLAP OF OPENING ON ALL 4 SIDES. RETAINING ANGLES MUST NOT BE ATTACHED TO EACH OTHER AT CORNERS. SECURE RETAINING ANGLES TO FIRE DAMPER SLEEVE ONLY.
 4. BREAKAWAY DUCT CONNECTION: CONTRACTOR'S OPTION OF TYPES SHOWN IN SMACNA OR PER MANUFACTURER'S RECOMMENDATIONS.
 5. ACCESS DOORS: SIZE AND LOCATION TO PERMIT SERVICING THE FUSIBLE LINK OR LINKS.
 6. PROVIDE CLEARANCE TO PERMIT INSTALLATION & EXPANSION. PROVIDE 1/8" PER FOOT LARGER THAN THE OVERALL SIZE OF THE DAMPER/SLEEVE ASSEMBLY. THE MAXIMUM OPENING SIZE SHALL NOT EXCEED 1/8" PER FOOT + 2", NOR SHALL THE OPENING BE LESS THAN 1/4" LARGER THAN THE DAMPER/SLEEVE ASSEMBLY.
 7. ALL DUCT WORK RISERS WHICH ARE RUN EXPOSED, SUCH AS THRU ATTIC FLOORS AND MECHANICAL ROOM FLOORS, SHALL BE PROVIDED WITH 4" HIGH CONCRETE CURB AROUND OPENING FOR DUCT.

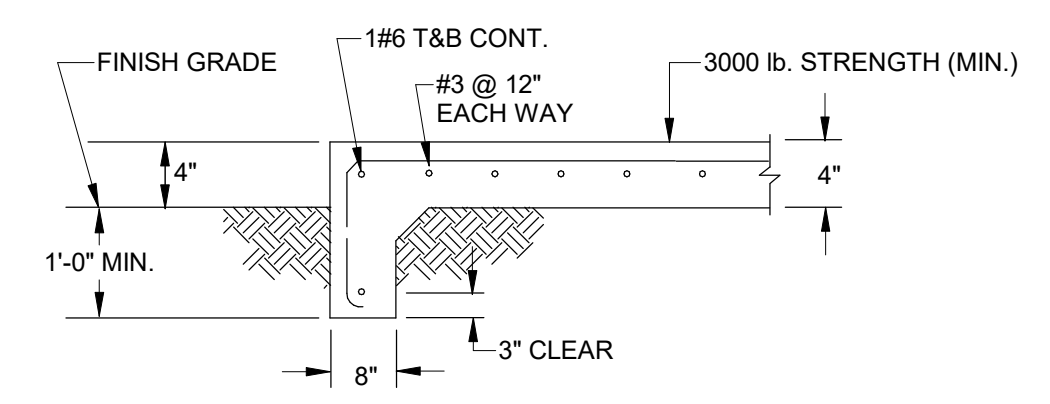
FIRE DAMPER INSTALLATION DETAIL
 NO SCALE



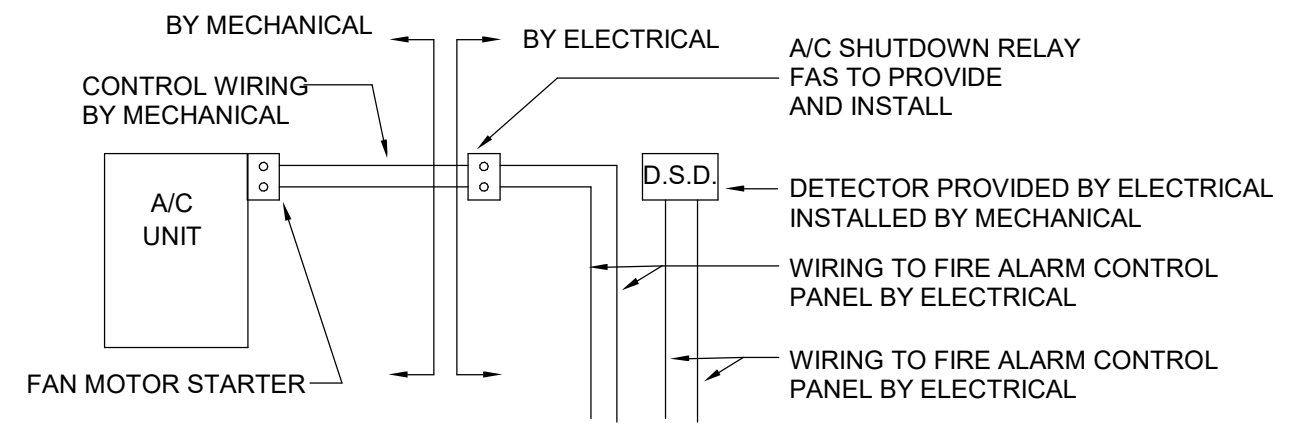
IN-LINE FAN INSTALLATION DETAIL
 NO SCALE



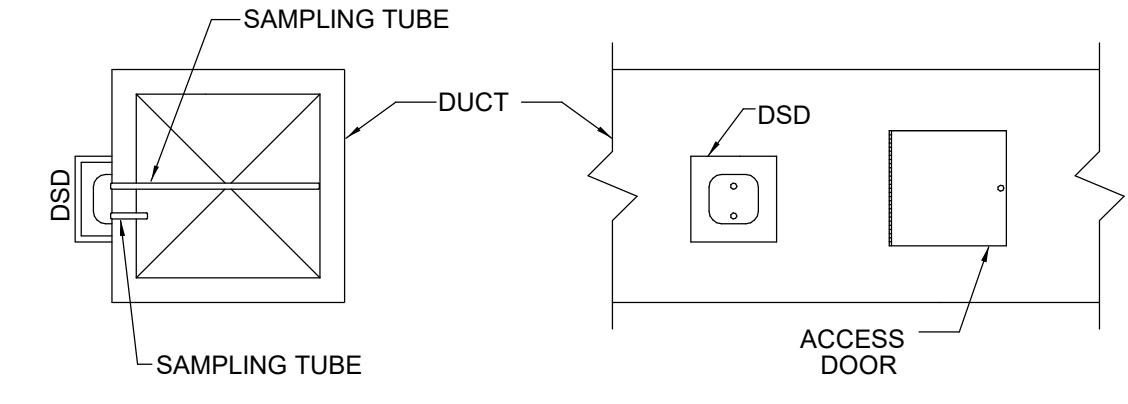
ROOFTOP AC UNIT DETAIL
 NO SCALE



CONCRETE PAD DETAIL
 NO SCALE

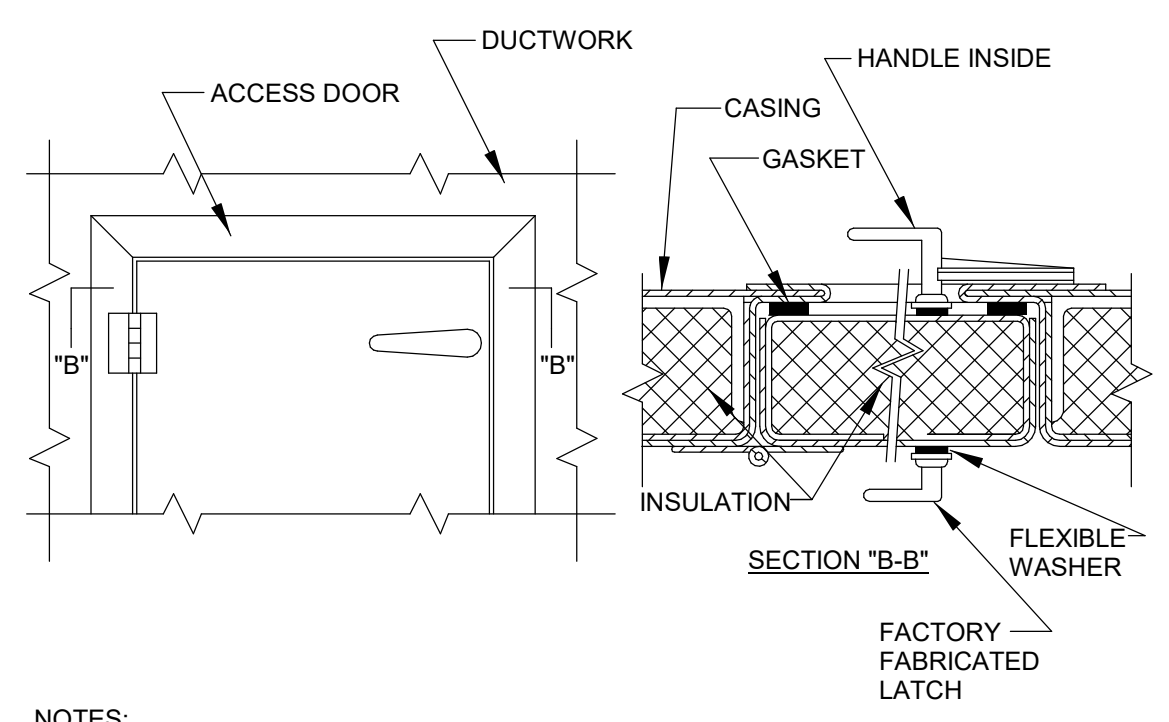


DUCT SMOKE DETECTOR CONNECTION



DUCT SMOKE DETECTOR INSTALLATION

DUCT SMOKE DETECTOR DETAIL
 NO SCALE



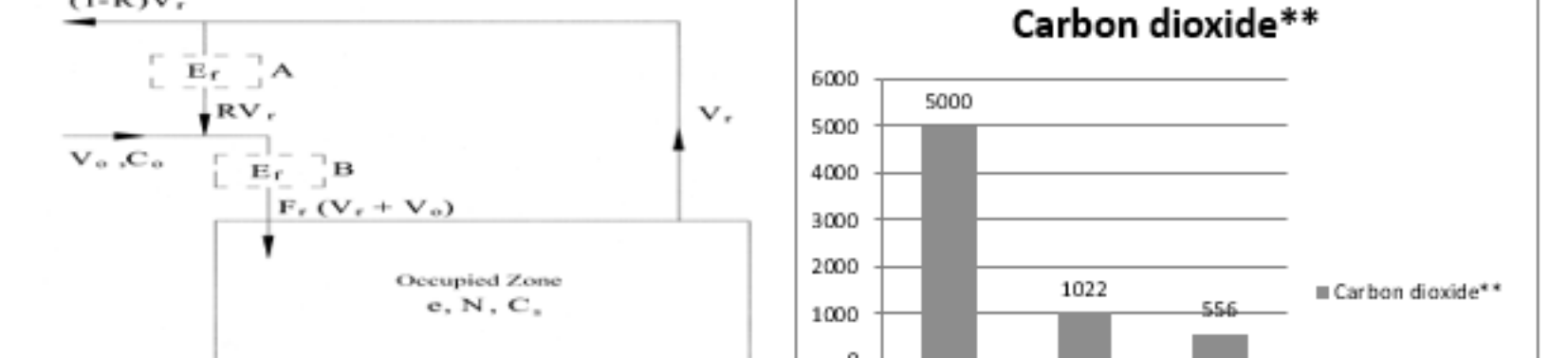
- NOTES:**
1. HINGES ON THE ACCESS DOORS SHALL HAVE NON-CORROSIVE PINS.

ACCESS DOOR DETAIL
 NO SCALE

IAQP OSA CALCULATION - Laundry A107

Zone Tag	Facility Type	Zone Use	Zone Floor Area (square ft)	Zone Max Occupancy	Table 6.1 OA per Occupant (cfm/ft ²)	Table 6.1 cfm/ft ² Pz * Rp	Pz * Rp	Az * Ra	Table 6.2 Ventilation Effectiveness (Ez)	Outdoor Air to Zone (CFM) with Ez correction (Vbz/Ez)
Laundry A107	Educational Facilities	Office Space	138.0	1.0	5.0	0.06	5	8	0.8	17

Zone Height (feet)	9.0
Desired Outside Air (Vo) IAQP	70
Supply Air (Vs)	600
Return Air (Vr)	600
Recirc. Flow Factor (F)	1.00
Ventilation Effectiveness (Ez)	0.8
Level of Physical Activity	Sedentary
Filter Location	B
HVAC Flow Type	Constant
Outdoor Air Flow Type	Constant



***OSHA, NIOSH & VHD most conservative values used
<http://www.cdc.gov/niosh/tsp/ntpagspn-a.html>
1= ASHRAE & NIOSH CO2 Limit
2= CO2 Level at Ventilation Rate OA Flow Rate
3= CO2 Level at IAQ Procedure OA Flow Rate
*Carbon dioxide has been provided for reference only for gathering demand control ventilation (DCV) setpoints. The National Research Council was commissioned by the US Navy to prove CO2 is not a contaminant of concern when using air purification to control the other contaminants of concern, as found on submittals.

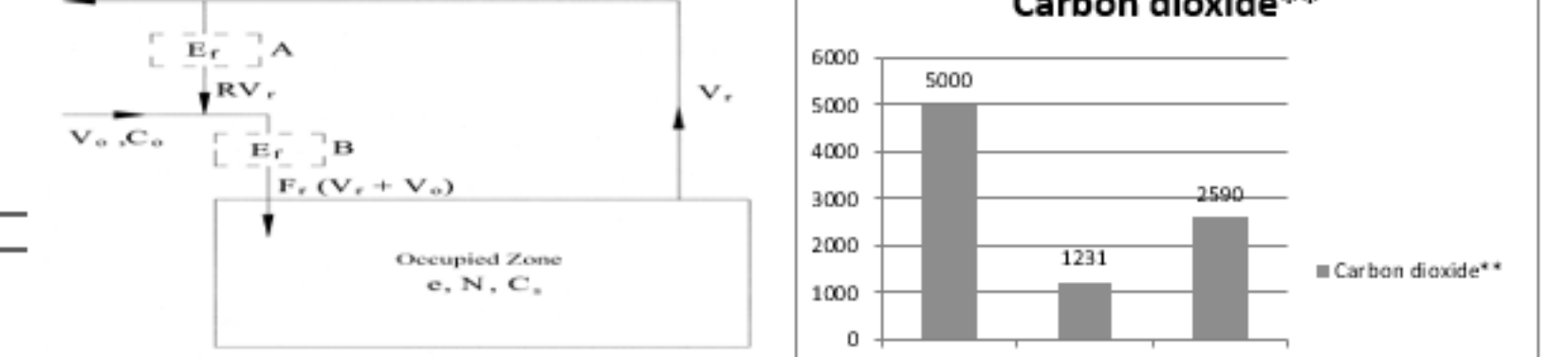
Indoor Contaminants Generated By People & From Outdoors	Maximum Threshold Value (PPM)	Steady State Using the VBP* (Prescribed OA) Plasma Off	Steady State Using the IAQ Method (Reduced OA) Plasma On	Is Steady State Level Acceptable at Reduced OA Levels?	Contaminant Generation Rate (PPM)	Filtration Effectiveness	Cognizant Authority***
Acetaldehyde	100.0	0.0111	0.00032	Yes	0.00032	50%	OSHA
Acetone	250.0	0.00159	0.00013	Yes	0.00433	50%	NIOSH
Ammonia	25.00	0.01243	0.00084	Yes	0.1420	50%	NIOSH
Benzene	1.0000	0.00252	0.00024	Yes	0.00015	50%	OSHA
2-Butanone (MEK)	200.0	0.00017	0.00001	Yes	0.00088	50%	NIOSH
Carbon dioxide**	5000	1022	556	Yes	292	0%	NIOSH
Chloroform	2.0000	0.00011	0.00001	Yes	0.00003	50%	NIOSH
Dioxane	100.0	0.00000	0.00000	Yes	0.00000	50%	OSHA
Hydrogen Sulfide	10.0	0.00000	0.00000	Yes	0.00000	50%	NIOSH
Methane	NA	168094	168094	Yes	0.00000	0%	NA
Methanol	200.0	0.00000	0.00000	Yes	0.00000	0%	NIOSH
Methylene Chloride	25.0	0.00017	0.00002	Yes	0.00074	50%	OSHA
Propane	1000.0	0.00998	0.00998	Yes	0.00000	0%	NIOSH
Tetrachloroethane	5.0000	0.00000	0.00000	Yes	0.00000	50%	OSHA
Tetrachloroethylene	100.0000	0.00037	0.00003	Yes	0.00001	50%	OSHA
Toluene	100.0000	0.00533	0.00002	Yes	0.00009	50%	NIOSH
1,1,1-Trichloroethane	350.0000	0.00076	0.00003	Yes	0.00076	50%	NIOSH
Xylene	100.0000	0.00230	0.00002	Yes	0.00000	50%	OSHA

Building materials and furnishings assumed to have no VOCs and off-gassing is complete. Is IAQ acceptable at reduced outside air levels? Yes

IAQP OSA CALCULATION - NURSE B116

Zone Tag	Facility Type	Zone Use	Zone Floor Area (square ft)	Zone Max Occupancy	Table 6.1 OA per Occupant (cfm/ft ²)	Table 6.1 cfm/ft ² Pz * Rp	Pz * Rp	Az * Ra	Table 6.2 Ventilation Effectiveness (Ez)	Outdoor Air to Zone (CFM) with Ez correction (Vbz/Ez)
Nurse B116	Educational Facilities	Office Space	165.0	2.0	5.0	0.06	10	10	0.8	25

Zone Height (feet)	9.0
Desired Outside Air (Vo) IAQP	70
Supply Air (Vs)	170
Return Air (Vr)	170
Recirc. Flow Factor (F)	1.00
Ventilation Effectiveness (Ez)	0.8
Level of Physical Activity	Sedentary
Filter Location	B
HVAC Flow Type	Constant
Outdoor Air Flow Type	Constant



***OSHA, NIOSH & VHD most conservative values used
<http://www.cdc.gov/niosh/tsp/ntpagspn-a.html>
1= ASHRAE & NIOSH CO2 Limit
2= CO2 Level at Ventilation Rate OA Flow Rate
3= CO2 Level at IAQ Procedure OA Flow Rate
*Carbon dioxide has been provided for reference only for gathering demand control ventilation (DCV) setpoints. The National Research Council was commissioned by the US Navy to prove CO2 is not a contaminant of concern when using air purification to control the other contaminants of concern, as found on submittals.

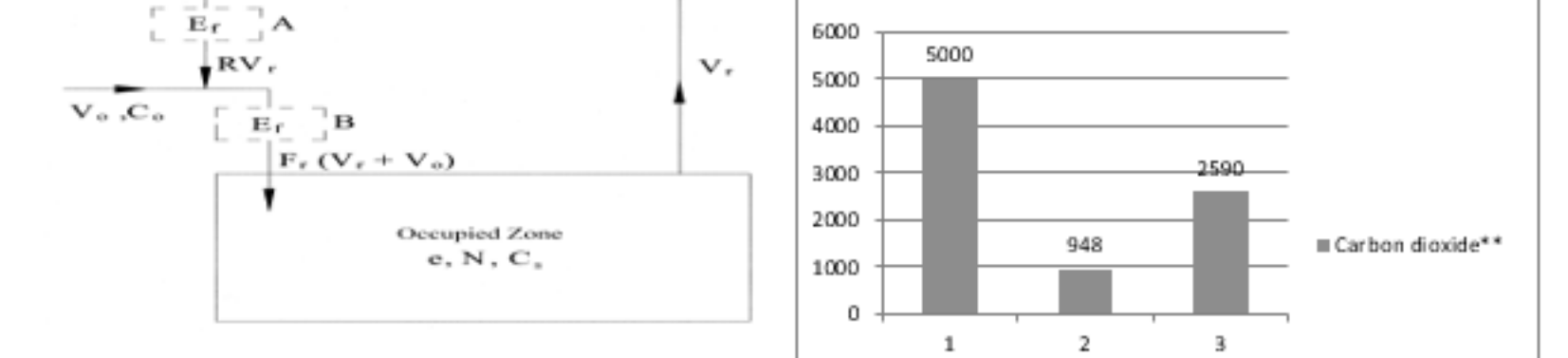
Indoor Contaminants Generated By People & From Outdoors	Maximum Threshold Value (PPM)	Steady State Using the VBP* (Prescribed OA) Plasma Off	Steady State Using the IAQ Method (Reduced OA) Plasma On	Is Steady State Level Acceptable at Reduced OA Levels?	Contaminant Generation Rate (PPM)	Filtration Effectiveness	Cognizant Authority***
Acetaldehyde	100.0	0.0112	0.00059	Yes	0.00032	50%	OSHA
Acetone	250.0	0.00170	0.00018	Yes	0.00433	50%	NIOSH
Ammonia	25.00	0.01601	0.00383	Yes	0.1420	50%	NIOSH
Benzene	1.0000	0.00252	0.00014	Yes	0.00015	50%	OSHA
2-Butanone (MEK)	200.0	0.00019	0.00003	Yes	0.00088	50%	NIOSH
Carbon dioxide**	5000	1231	350	Yes	292	0%	NIOSH
Chloroform	2.0000	0.00011	0.00001	Yes	0.00003	50%	NIOSH
Dioxane	100.0	0.00000	0.00000	Yes	0.00000	50%	OSHA
Hydrogen Sulfide	10.0	0.00000	0.00000	Yes	0.00000	50%	NIOSH
Methane	NA	168094	168094	Yes	0.00000	0%	NA
Methanol	200.0	0.00000	0.00000	Yes	0.00000	0%	NIOSH
Methylene Chloride	25.0	0.00017	0.00006	Yes	0.00074	50%	OSHA
Propane	1000.0	0.00998	0.00998	Yes	0.00000	0%	NIOSH
Tetrachloroethane	5.0000	0.00000	0.00000	Yes	0.00000	50%	OSHA
Tetrachloroethylene	100.0000	0.00037	0.00002	Yes	0.00001	50%	OSHA
Toluene	100.0000	0.00533	0.00002	Yes	0.00009	50%	NIOSH
1,1,1-Trichloroethane	350.0000	0.00077	0.00003	Yes	0.00076	50%	NIOSH
Xylene	100.0000	0.00230	0.00002	Yes	0.00000	50%	OSHA

Building materials and furnishings assumed to have no VOCs and off-gassing is complete. Is IAQ acceptable at reduced outside air levels? Yes

IAQP OSA CALCULATION - OFFICE B113

Zone Tag	Facility Type	Zone Use	Zone Floor Area (square ft)	Zone Max Occupancy	Table 6.1 OA per Occupant (cfm/ft ²)	Table 6.1 cfm/ft ² Pz * Rp	Pz * Rp	Az * Ra	Table 6.2 Ventilation Effectiveness (Ez)	Outdoor Air to Zone (CFM) with Ez correction (Vbz/Ez)
OFFICE B113	Educational Facilities	Office Space	168.0	1.0	5.0	0.06	5	10	0.8	19

Zone Height (feet)	9.0
Desired Outside Air (Vo) IAQP	6
Supply Air (Vs)	490
Return Air (Vr)	490
Recirc. Flow Factor (F)	1.00
Ventilation Effectiveness (Ez)	0.8
Level of Physical Activity	Sedentary
Filter Location	B
HVAC Flow Type	Constant
Outdoor Air Flow Type	Constant



***OSHA, NIOSH & VHD most conservative values used
<http://www.cdc.gov/niosh/tsp/ntpagspn-a.html>
1= ASHRAE & NIOSH CO2 Limit
2= CO2 Level at Ventilation Rate OA Flow Rate
3= CO2 Level at IAQ Procedure OA Flow Rate
*Carbon dioxide has been provided for reference only for gathering demand control ventilation (DCV) setpoints. The National Research Council was commissioned by the US Navy to prove CO2 is not a contaminant of concern when using air purification to control the other contaminants of concern, as found on submittals.

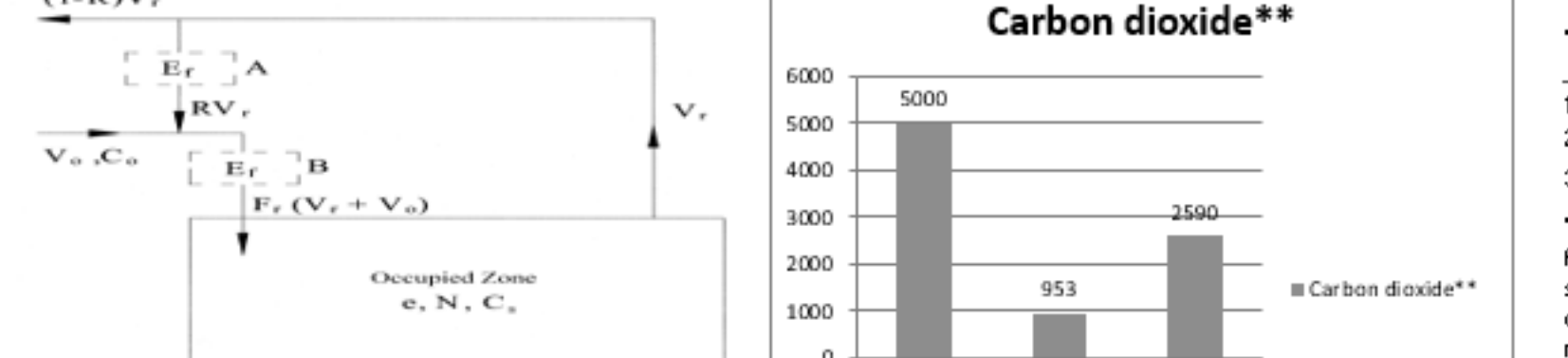
Indoor Contaminants Generated By People & From Outdoors	Maximum Threshold Value (PPM)	Steady State Using the VBP* (Prescribed OA) Plasma Off	Steady State Using the IAQ Method (Reduced OA) Plasma On	Is Steady State Level Acceptable at Reduced OA Levels?	Contaminant Generation Rate (PPM)	Filtration Effectiveness	Cognizant Authority***
Acetaldehyde	100.0	0.0111	0.00032	Yes	0.00032	50%	OSHA
Acetone	250.0	0.00159	0.00013	Yes	0.00433	50%	NIOSH
Ammonia	25.00	0.01115	0.00073	Yes	0.1420	50%	NIOSH
Benzene	1.0000	0.00251	0.00003	Yes	0.00015	50%	OSHA
2-Butanone (MEK)	200.0	0.00018	0.00001	Yes	0.00088	50%	NIOSH
Carbon dioxide**	5000	948	350	Yes	292	0%	NIOSH
Chloroform	2.0000	0.00011	0.00000	Yes	0.00003	50%	NIOSH
Dioxane	100.0	0.00000	0.00000	Yes	0.00000	50%	OSHA
Hydrogen Sulfide	10.0	0.00000	0.00000	Yes	0.00000	50%	NIOSH
Methane	NA	168094	168094	Yes	0.00000	0%	NA
Methanol	200.0	0.00000	0.00000	Yes	0.00000	0%	NIOSH
Methylene Chloride	25.0	0.00017	0.00001	Yes	0.00074	50%	OSHA
Propane	1000.0	0.00998	0.00998	Yes	0.00000	0%	NIOSH
Tetrachloroethane	5.0000	0.00000	0.00000	Yes	0.00000	50%	OSHA
Tetrachloroethylene	100.0000	0.00037	0.00001	Yes	0.00001	50%	OSHA
Toluene	100.0000	0.00533	0.00005	Yes	0.00009	50%	NIOSH
1,1,1-Trichloroethane	350.0000	0.00076	0.00001	Yes	0.00076	50%	NIOSH
Xylene	100.0000	0.00230	0.00002	Yes	0.00000	50%	OSHA

Building materials and furnishings assumed to have no VOCs and off-gassing is complete. Is IAQ acceptable at reduced outside air levels? Yes

IAQP OSA CALCULATION - PRINCIPAL B111

Zone Tag	Facility Type	Zone Use	Zone Floor Area (square ft)	Zone Max Occupancy	Table 6.1 OA per Occupant (cfm/ft ²)	Table 6.1 cfm/ft ² Pz * Rp	Pz * Rp	Az * Ra	Table 6.2 Ventilation Effectiveness (Ez)	Outdoor Air to Zone (CFM) with Ez correction (Vbz/Ez)
PRINCIPAL B111	Educational Facilities	Office Space	332.0	2.0	5.0	0.06	10	20	0.8	37

Zone Height (feet)	9.0
Desired Outside Air (Vo) IAQP	10
Supply Air (Vs)	600
Return Air (Vr)	600
Recirc. Flow Factor (F)	1.00
Ventilation Effectiveness (Ez)	0.8
Level of Physical Activity	Sedentary
Filter Location	B
HVAC Flow Type	Constant
Outdoor Air Flow Type	Constant



***OSHA, NIOSH & VHD most conservative values used
<http://www.cdc.gov/niosh/tsp/ntpagspn-a.html>
1= ASHRAE & NIOSH CO2 Limit
2= CO2 Level at Ventilation Rate OA Flow Rate
3= CO2 Level at IAQ Procedure OA Flow Rate
*Carbon dioxide has been provided for reference only for gathering demand control ventilation (DCV) setpoints. The National Research Council was commissioned by the US Navy to prove CO2 is not a contaminant of concern when using air purification to control the other contaminants of concern, as found on submittals.

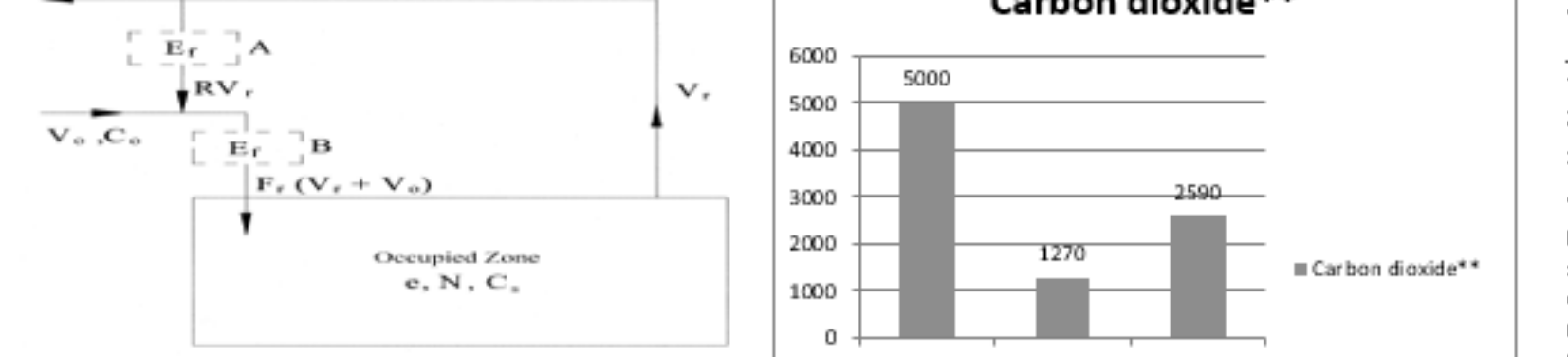
Indoor Contaminants Generated By People & From Outdoors	Maximum Threshold Value (PPM)	Steady State Using the VBP* (Prescribed OA) Plasma Off	Steady State Using the IAQ Method (Reduced OA) Plasma On	Is Steady State Level Acceptable at Reduced OA Levels?	Contaminant Generation Rate (PPM)	Filtration Effectiveness	Cognizant Authority***
Acetaldehyde	100.0	0.0111	0.00018	Yes	0.00032	50%	OSHA
Acetone	250.0	0.00159	0.00006	Yes	0.00433	50%	NIOSH
Ammonia	25.00	0.01122	0.00107	Yes	0.1420	50%	NIOSH
Benzene	1.0000	0.00251	0.00014	Yes	0.00015	50%	OSHA
2-Butanone (MEK)	200.0	0.00016	0.00001	Yes	0.00088	50%	NIOSH
Carbon dioxide**	5000	953	350	Yes	292	0%	NIOSH
Chloroform	2.0000	0.00011	0.00001	Yes	0.00003	50%	NIOSH
Dioxane	100.0	0.00000	0.00000	Yes	0.00000	50%	OSHA
Hydrogen Sulfide	10.0	0.00000	0.00000	Yes	0.00000	50%	NIOSH
Methane	NA	168094	168094	Yes	0.00000	0%	NA
Methanol	200.0	0.00000	0.00000	Yes	0.00000	0%	NIOSH
Methylene Chloride	25.0	0.00017	0.00002	Yes	0.00074	50%	OSHA
Propane	1000.0	0.00998	0.00998	Yes	0.00000	0%	NIOSH
Tetrachloroethane	5.0000	0.00000	0.00000	Yes	0.00000	50%	OSHA
Tetrachloroethylene	100.0000	0.00037	0.00001	Yes	0.00001	50%	OSHA
Toluene	100.0000	0.00533	0.00009	Yes	0.00009	50%	NIOSH
1,1,1-Trichloroethane	350.0000	0.00076	0.00001	Yes	0.00076	50%	NIOSH
Xylene	100.0000	0.00230	0.00004	Yes	0.00000	50%	OSHA

Building materials and furnishings assumed to have no VOCs and off-gassing is complete. Is IAQ acceptable at reduced outside air levels? Yes

IAQP OSA CALCULATION - RECEPTION B123

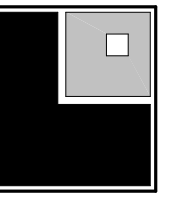
Zone Tag	Facility Type	Zone Use	Zone Floor Area (square ft)	Zone Max Occupancy	Table 6.1 OA per Occupant (cfm/ft ²)	Table 6.1 cfm/ft ² Pz * Rp	Pz * Rp	Az * Ra	Table 6.2 Ventilation Effectiveness (Ez)	Outdoor Air to Zone (CFM) with Ez correction (Vbz/Ez)
Reception B123	Educational Facilities	Office Space	150.0	2.0	5.0	0.06	10	9	0.8	24

Zone Height (feet)	9.0
Desired Outside Air (Vo) IAQP	10
Supply Air (Vs)	210
Return Air (Vr)	210
Recirc. Flow Factor (F)	1.00
Ventilation Effectiveness (Ez)	0.8
Level of Physical Activity	Sedentary
Filter Location	B
HVAC Flow Type	Constant
Outdoor Air Flow Type	Constant



***OSHA, NIOSH & VHD most conservative values used
<http://www.cdc.gov/niosh/tsp/ntpagspn-a.html>
1= ASHRAE & NIOSH CO2 Limit
2= CO2 Level at Ventilation Rate OA Flow Rate
3= CO2 Level at IAQ Procedure OA Flow Rate
*Carbon dioxide has been provided for reference only for gathering demand control ventilation (DCV) setpoints. The National Research Council was commissioned by the US Navy to prove CO2 is not a contaminant of concern when using air purification to control the other contaminants of concern, as found on submittals.

Indoor Contaminants Generated By People & From Outdoors	Maximum Threshold Value (PPM)	Steady State Using the VBP* (Prescribed OA) Plasma Off	Steady State Using the IAQ Method (Reduced OA) Plasma On	Is Steady State Level Acceptable at Reduced OA Levels?	Contaminant Generation Rate (PPM)	Filtration Effectiveness	Cognizant Authority***
Acetaldehyde	100.0	0.0112	0.00049	Yes	0.00032	50%	OSHA
Acetone	250.0	0.00172	0.00015	Yes	0.00433	50%	NIOSH
Ammonia	25.00	0.01601	0.00383	Yes	0.1420	50%	NIOSH
Benzene	1.0000	0.00252	0.00011	Yes	0.00015	50%	OSHA
2-Butanone (MEK)	200.0	0.00019	0.00002	Yes	0.00088	50%	NIOSH
Carbon dioxide**	5000	1270	350	Yes	292	0%	NIOSH
Chloroform	2.0000	0.00011	0.00001	Yes	0.00003	50%	NIOSH
Dioxane	100.0	0.00000	0.00000	Yes	0.00000	50%	OSHA
Hydrogen Sulfide	10.0	0.00000	0.00000	Yes	0.00000	50%	NIOSH
Methane	NA	168094	168094	Yes	0.00000	0%	NA
Methanol	200.0	0.00000	0.00000	Yes	0.00000	0%	NIOSH
Methylene Chloride	25.0	0.00017	0.00005	Yes	0.00074	50%	OSHA
Propane	1000.0	0.00998	0.00998	Yes	0.00000	0%	NIOSH
Tetrachloroethane	5.0000	0.00000	0.00000	Yes	0.00000	50%	OSHA
Tetrachloroethylene	100.0000	0.					



IAQP OSA CALCULATION - Workroom A106

Zone Tag	Facility Type	Zone Use	Zone Floor Area (square ft)	Zone Max Occupancy	Table 6.1 OA per Occupant	Table 6.1 cfm/ft ² Ra	Pz * Rp	Az * Ra	Table 6.2 Ventilation Effectiveness Ea	Outdoor Air to Zone (CFM) with E2 correction (NoE2)
Workroom A106	Educational Facilities	Office Space	227.0	1.0	5.0	0.06	5	14	0.8	23
OA required per VRF										

Zone Height (feet)	9.0
Desired Outside Air (Vo) IAQP	30
Supply Air (Vs)	600
Return Air (Vr)	600
Recirc. Flow Factor (F)	1.00
Ventilation Effectiveness (E2)	0.8
Level of Physical Activity	Sedentary
Filter Location	B
HVAC Flow Type	Constant
Outdoor Air Flow Type	Constant

Carbon dioxide**

***OSHA, NIOSH & WHO most conservative values used
<https://www.cdc.gov/niosh/ilrg/ilrgreport-3.html>
 1 = ASHRAE & NIOSH CO2 Limit
 2 = CO2 Level at Ventilation Rate OA Flow Rate
 3 = CO2 Level at IAQ Procedure OA Flow Rate

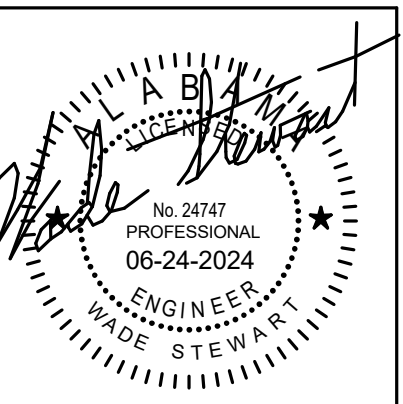
**Carbon dioxide has been provided for reference only for gathering demand control ventilation (DCV) setpoints. The National Research Council was commissioned by the US Navy to prove CO2 is not a contaminant of concern when using air purification to control the other contaminants of concern, as found on submarines.

Indoor Contaminants Generated By People & From Outdoors	Maximum Threshold Value (PPM)	Steady State Using the VRF* (Prescribed OA) Plasma Off	Steady State Using the IAQ Method (Reduced OA) Plasma On	Is Steady State Level Acceptable at Reduced OA Levels?	Contaminant Generation Rate (PPM)	Filtration Effectiveness	Cognizant Authority***
Acetaldehyde	100.0	0.0111	0.0038	Yes	0.00032	50%	OSHA
Acetone	250.0	0.00150	0.00004	Yes	0.00433	50%	NIOSH
Ammonia	25.00	0.00936	0.00060	Yes	0.1420	50%	NIOSH
Benzene	1000.00	0.00251	0.00004	Yes	0.00095	50%	OSHA
2-Butanone (MEK)	200.0	0.00195	0.00001	Yes	0.00088	50%	NIOSH
Carbon dioxide**	5000	844	1495	Yes	282	0%	NIOSH
Chloroform	2.0000	0.00011	0.00000	Yes	0.00003	50%	NIOSH
Dioxane	100.0	0.00000	0.00000	Yes	0.00000	50%	OSHA
Hydrogen Sulfide	10.0	0.00000	0.00000	Yes	0.00000	50%	NIOSH
Methane	NA	1.68094	1.68094	Yes	0.00000	0%	NA
Methanol	200.0	0.00000	0.00000	Yes	0.00000	0%	NIOSH
Methylene Chloride	25.0	0.00073	0.00001	Yes	0.00000	50%	OSHA
Propane	1000.0	0.00998	0.00000	Yes	0.00000	0%	NIOSH
Tetrachloroethane	5.0000	0.00000	0.00000	Yes	0.00000	50%	OSHA
Tetrachloroethylene	100.0000	0.00027	0.00001	Yes	0.00001	50%	OSHA
Toluene	100.0000	0.00532	0.00009	Yes	0.00021	50%	NIOSH
1,1,1-Trichloroethane	350.0000	0.00075	0.00001	Yes	0.00038	50%	NIOSH
Xylene	100.0000	0.00220	0.00004	Yes	0.00000	50%	OSHA

Building materials and furnishings assumed to have no VOCs and off-gassing is complete

Is IAQ acceptable at reduced outside air levels? **Yes**

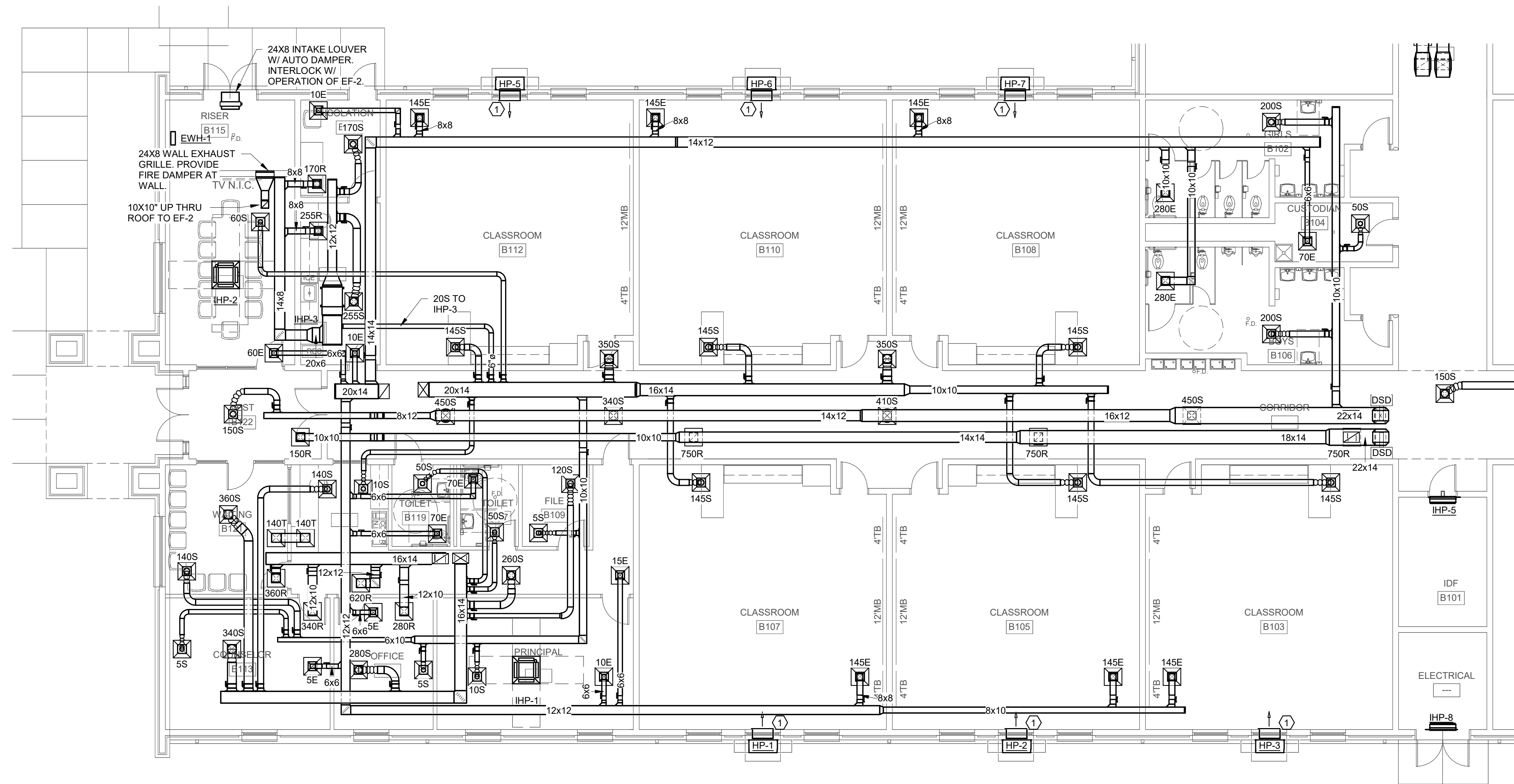
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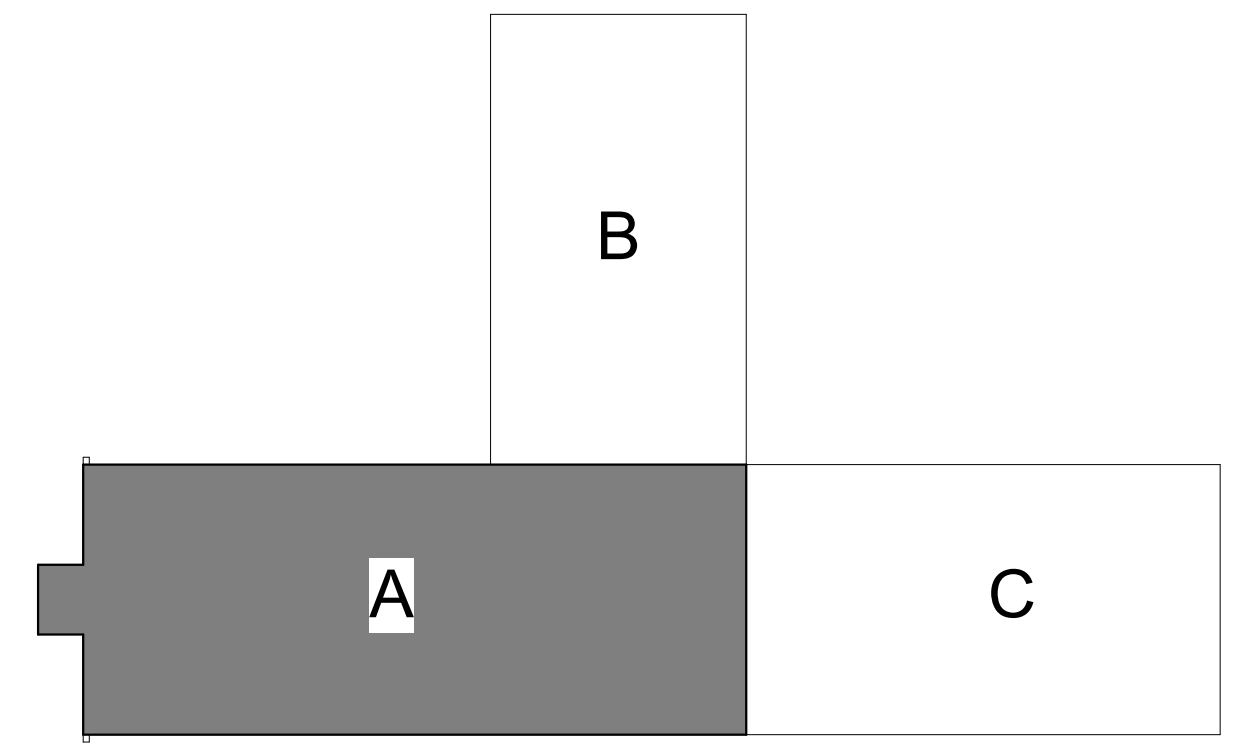
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PROJ. MGR.:	—	Checker
DRAWN:	—	Author
DATE:	—	06/24/24
REVISIONS		

JOB NO. **24-38**
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 8 OF 17

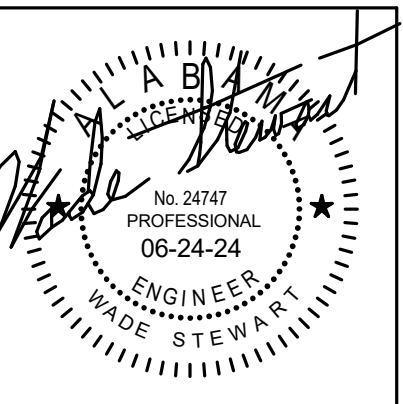


1 MECHANICAL - FLOOR PLAN - PART A
 1/8" = 1'-0"



KEY PLAN
 SCALE: N.T.S.

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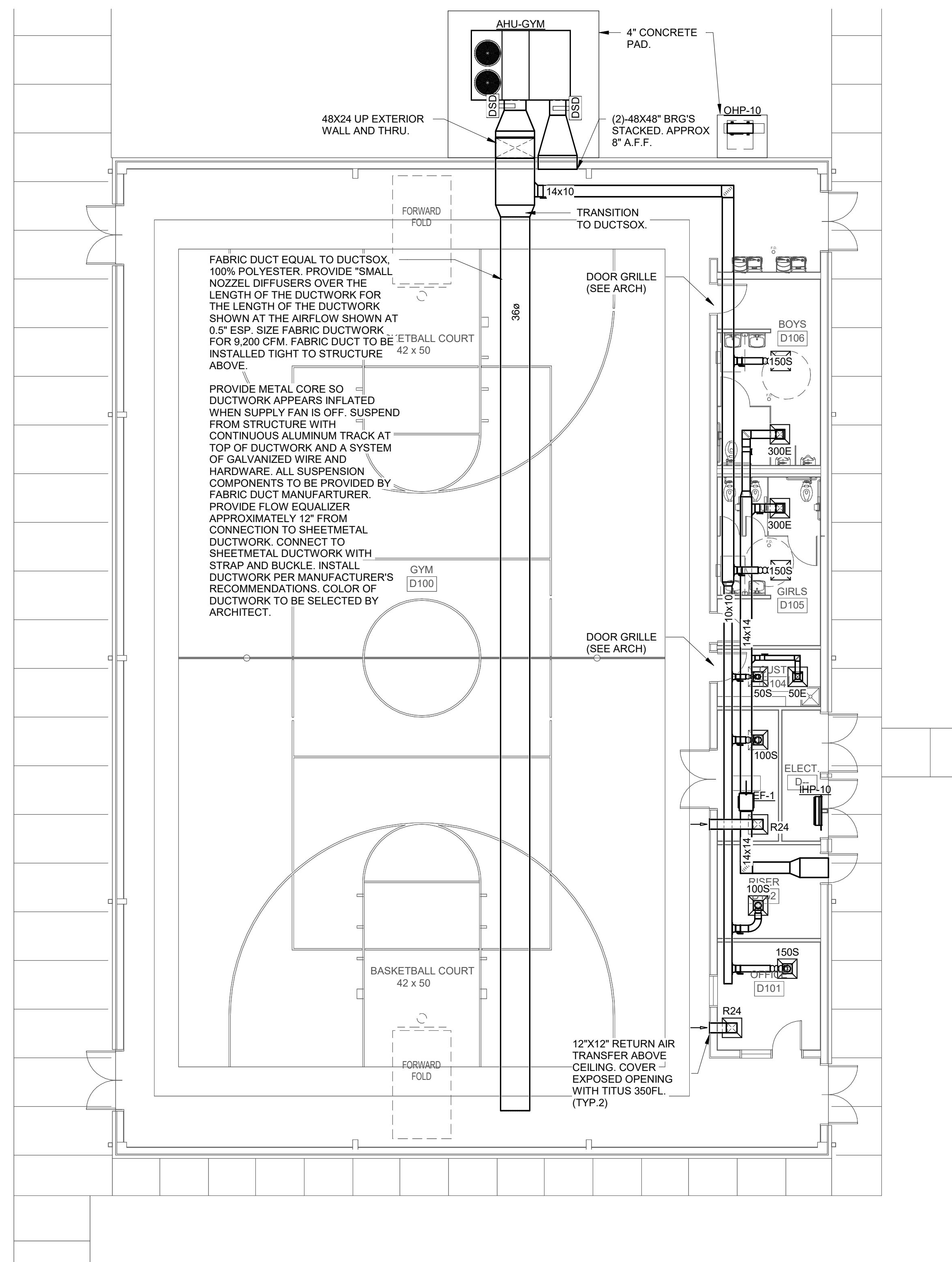


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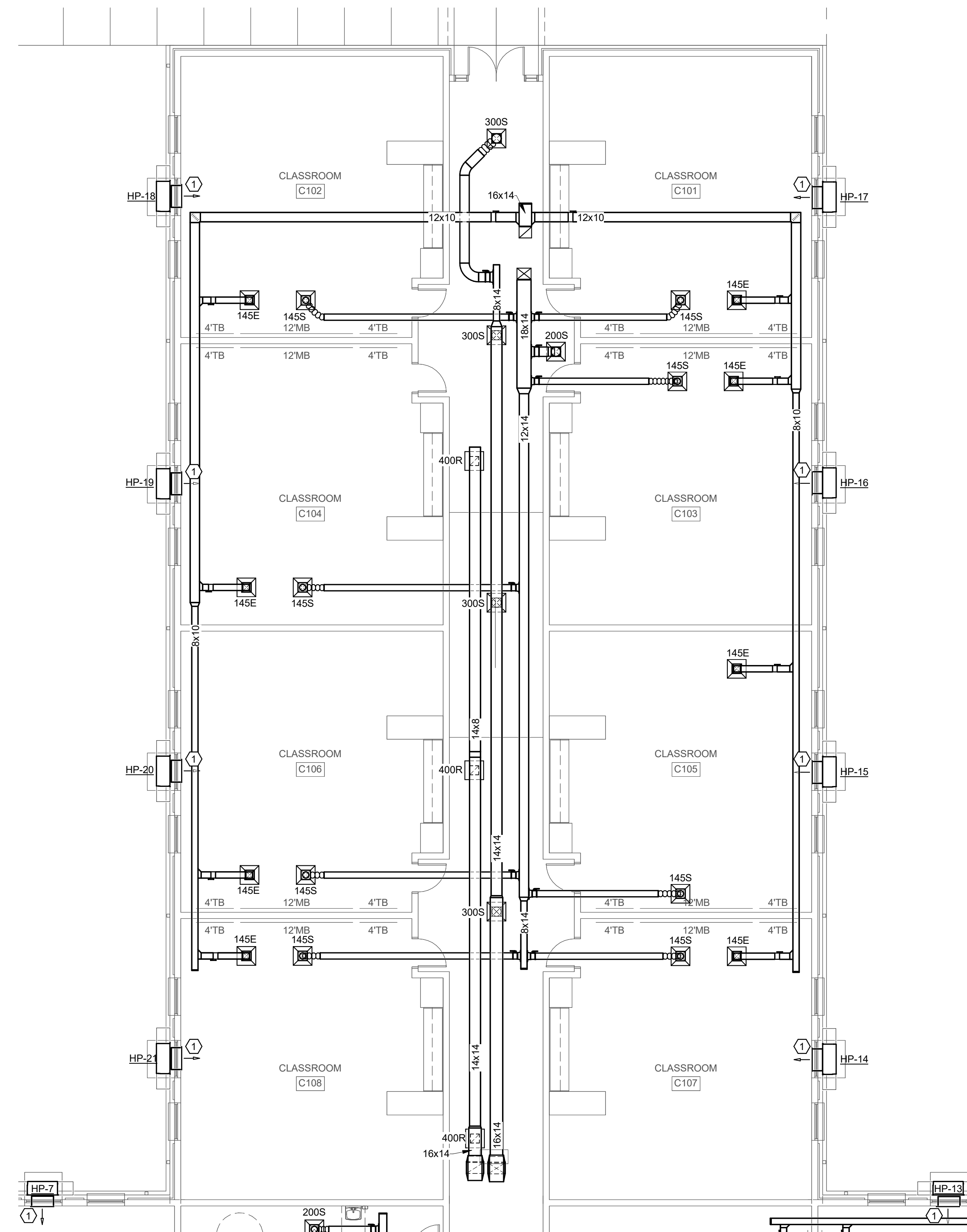
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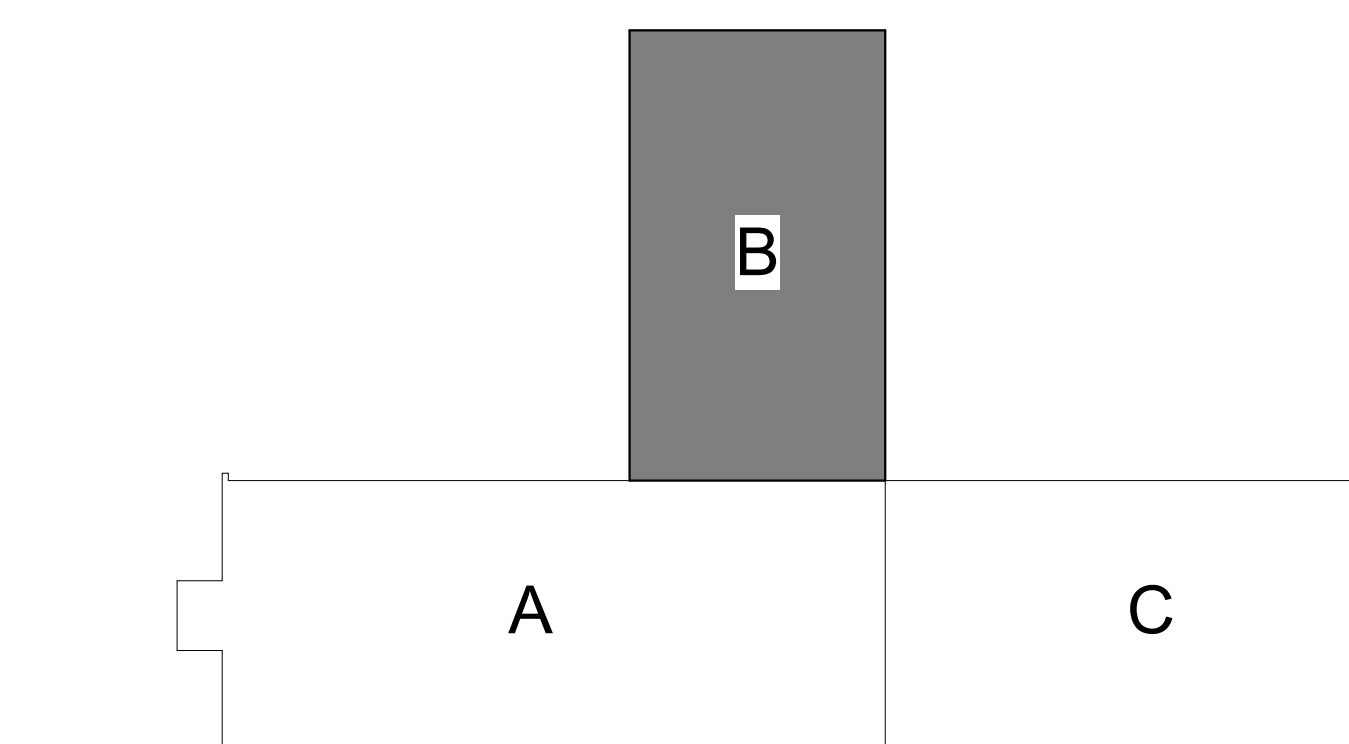
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M1.0



2 MECHANICAL - GYM FLOOR PLAN
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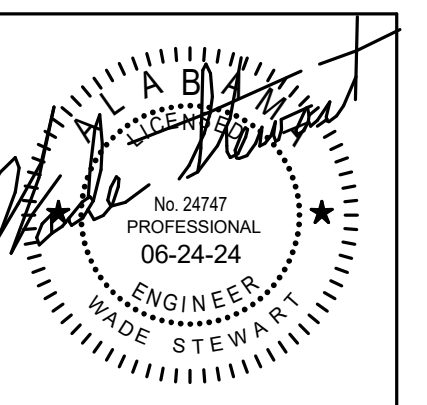


1 MECHANICAL - FLOOR PLAN - PART B
 1/8" = 1'-0"



KEY PLAN
 SCALE: N.T.S.

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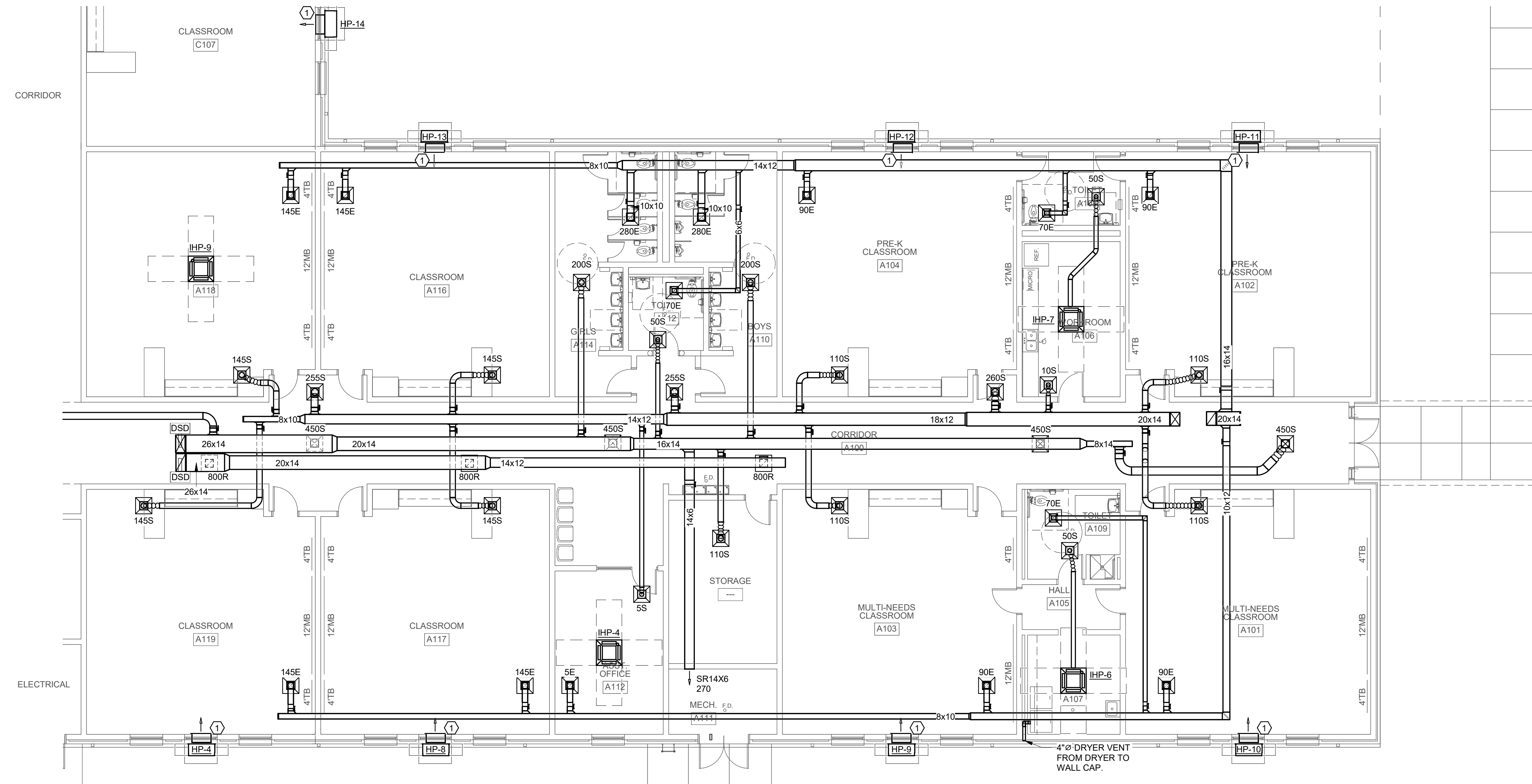
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 REVISIONS

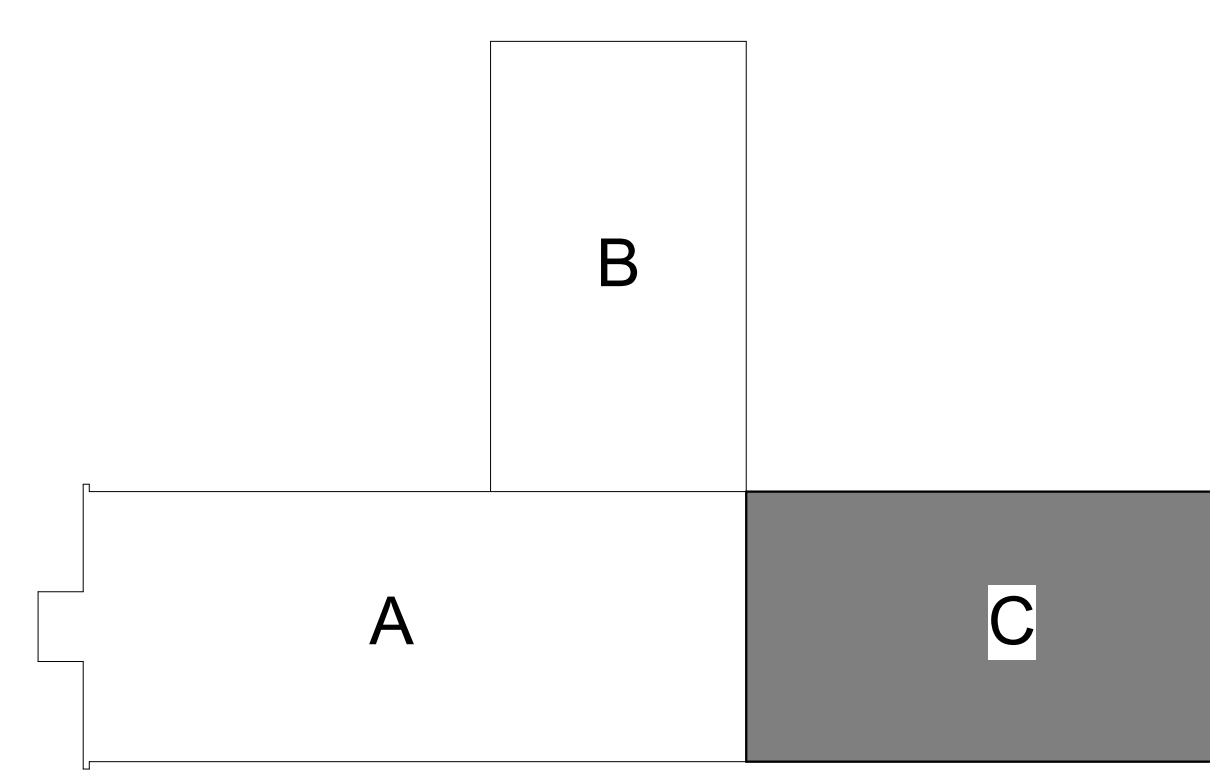
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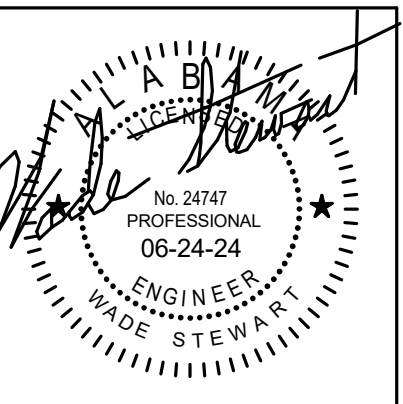
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 **1 MECHANICAL - FLOOR PLAN - PART C**
 1/8" = 1'-0"



 **KEY PLAN**
 SCALE: N.T.S.



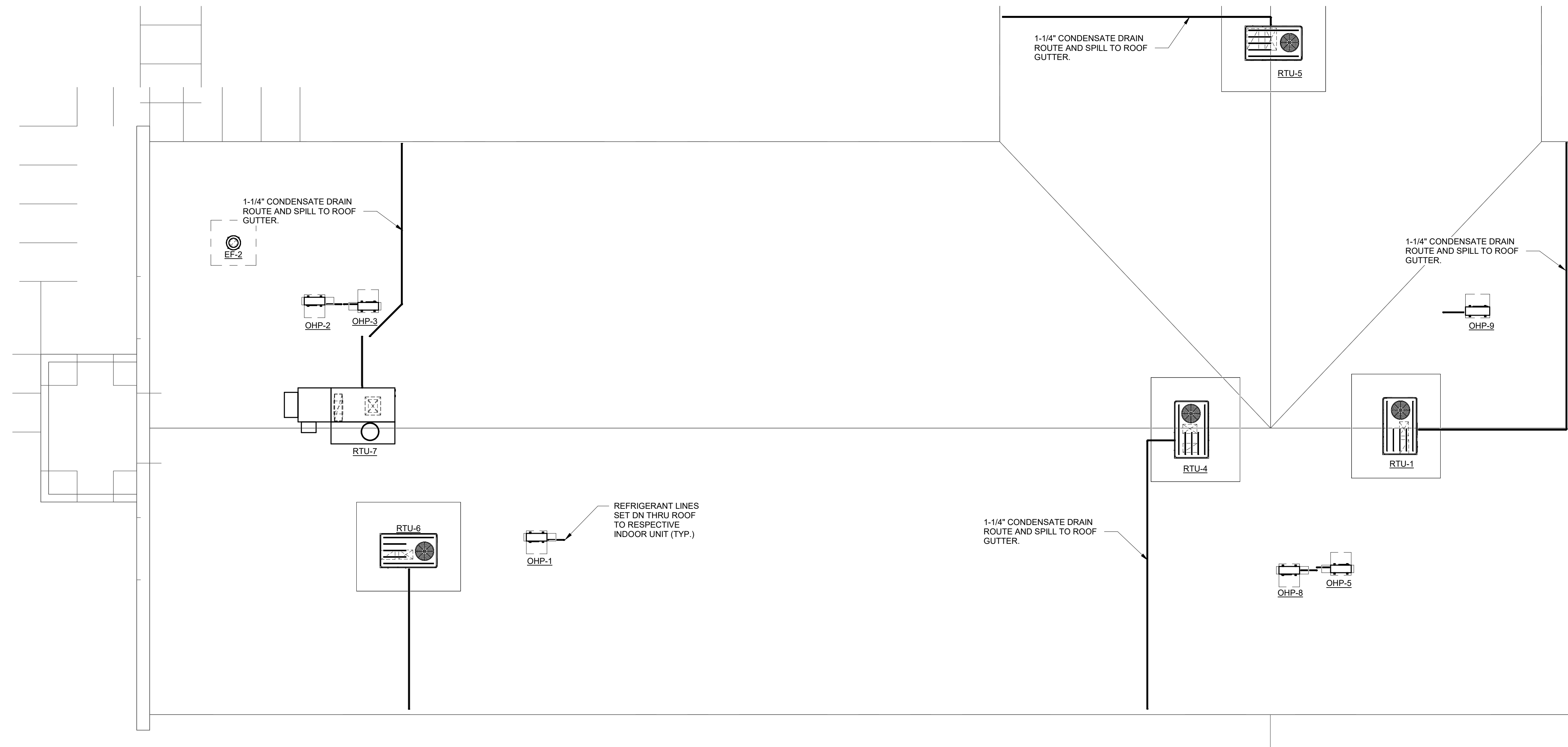
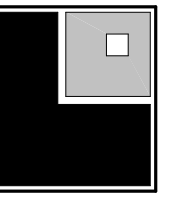
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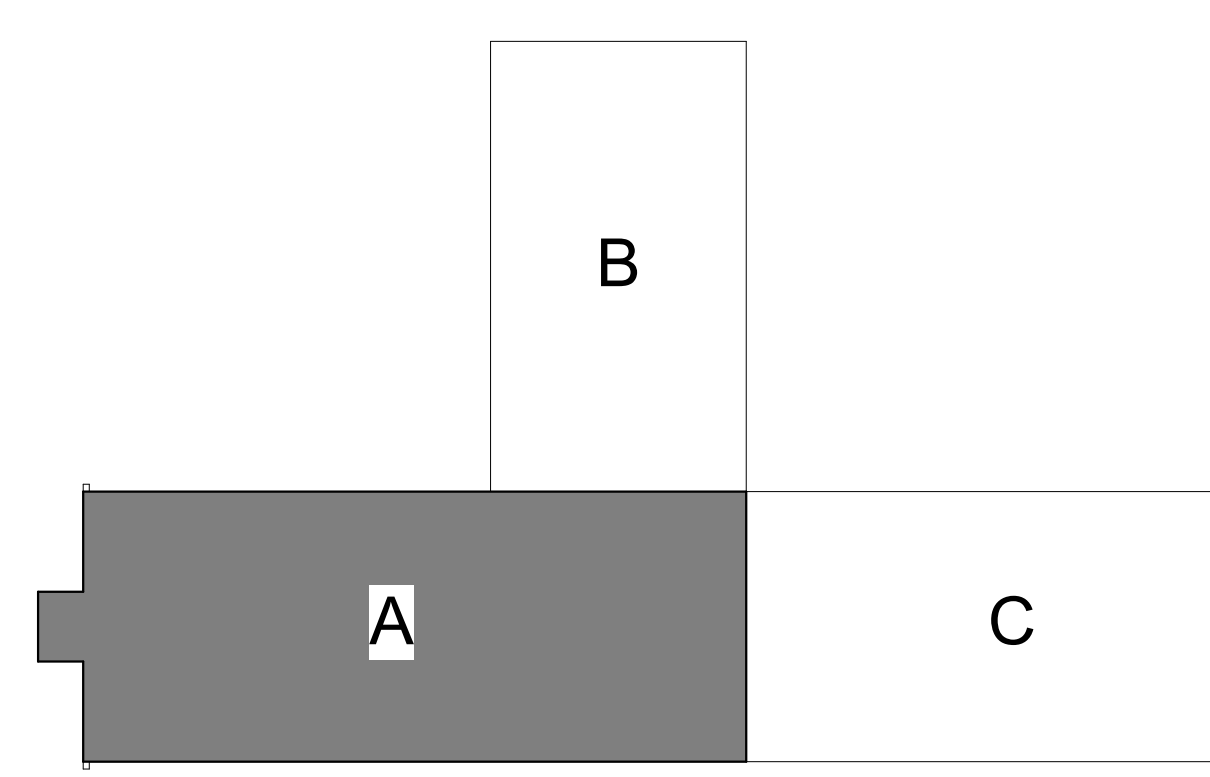
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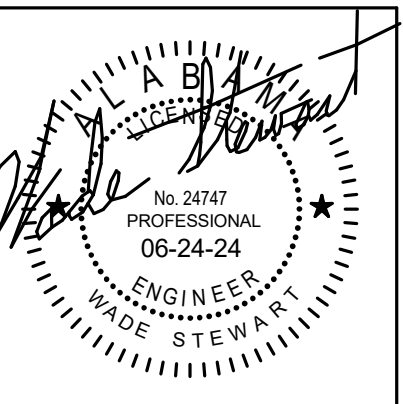
11 OF 17



1 MECHANICAL - ROOF PLAN - PART A
 1/8" = 1'-0"



KEY PLAN
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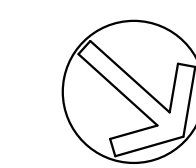
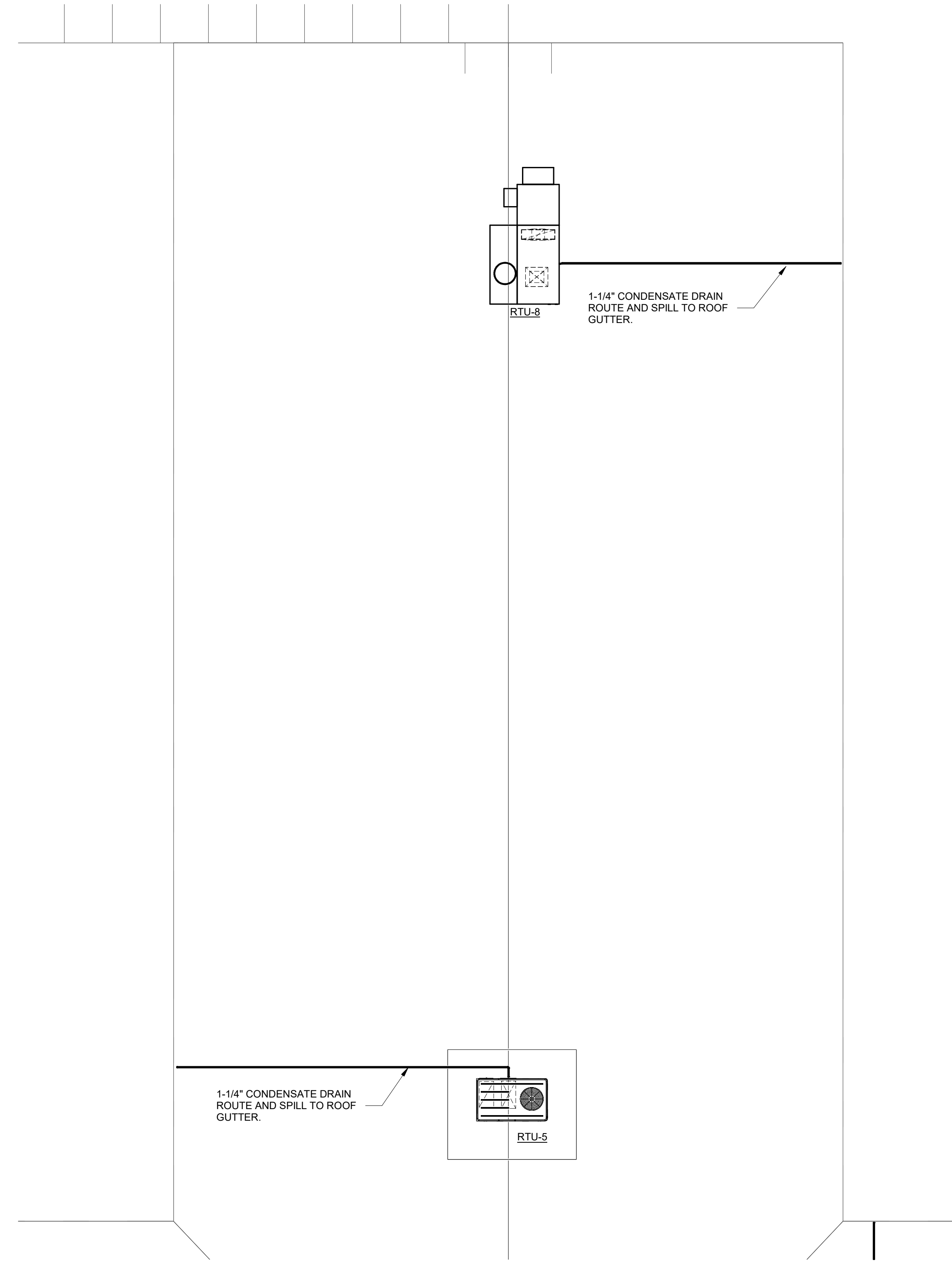
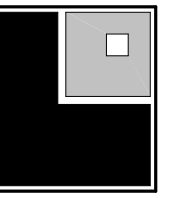


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 MECHANICAL - ROOF PLAN -
 PART A

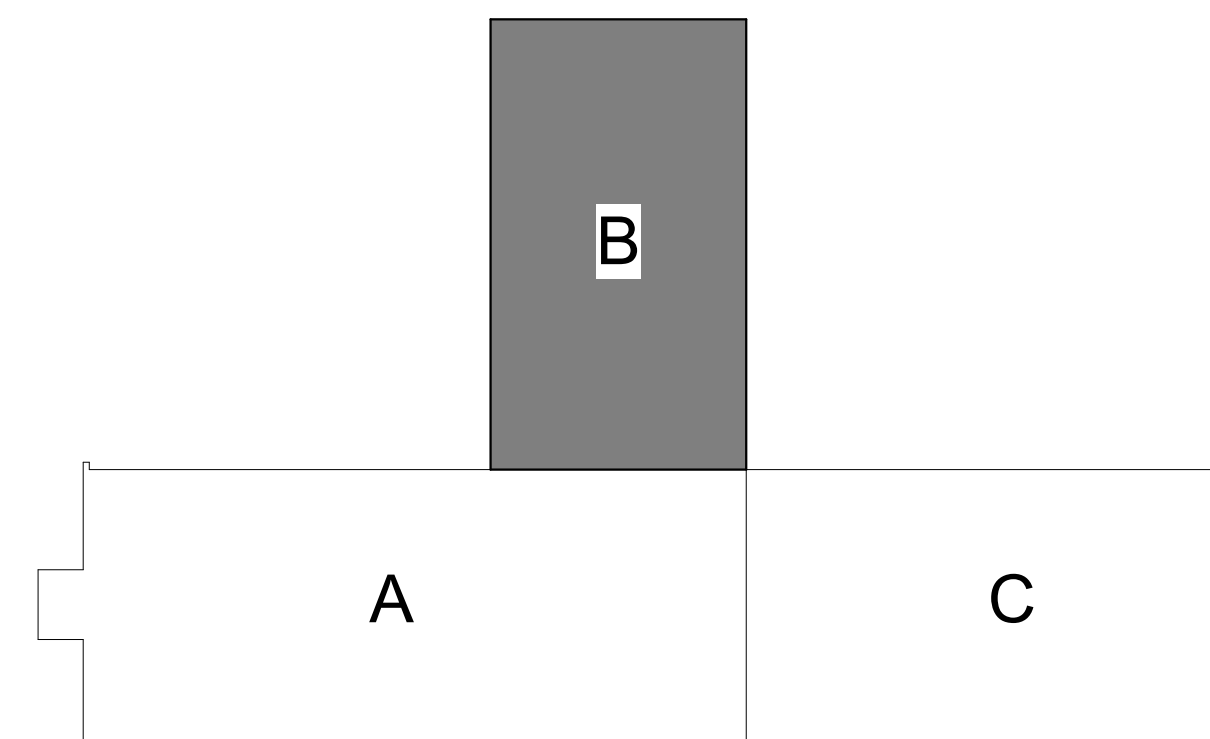
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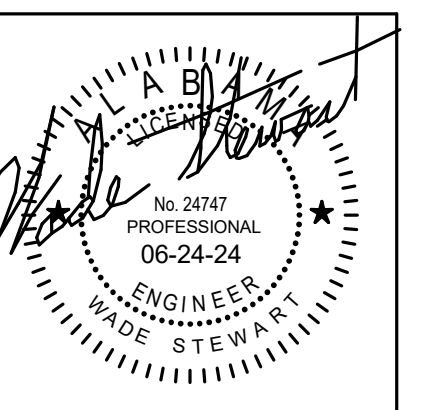
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1 MECHANICAL - ROOF PLAN - PART B
 1/8" = 1'-0"



KEY PLAN
 SCALE: N.T.S.



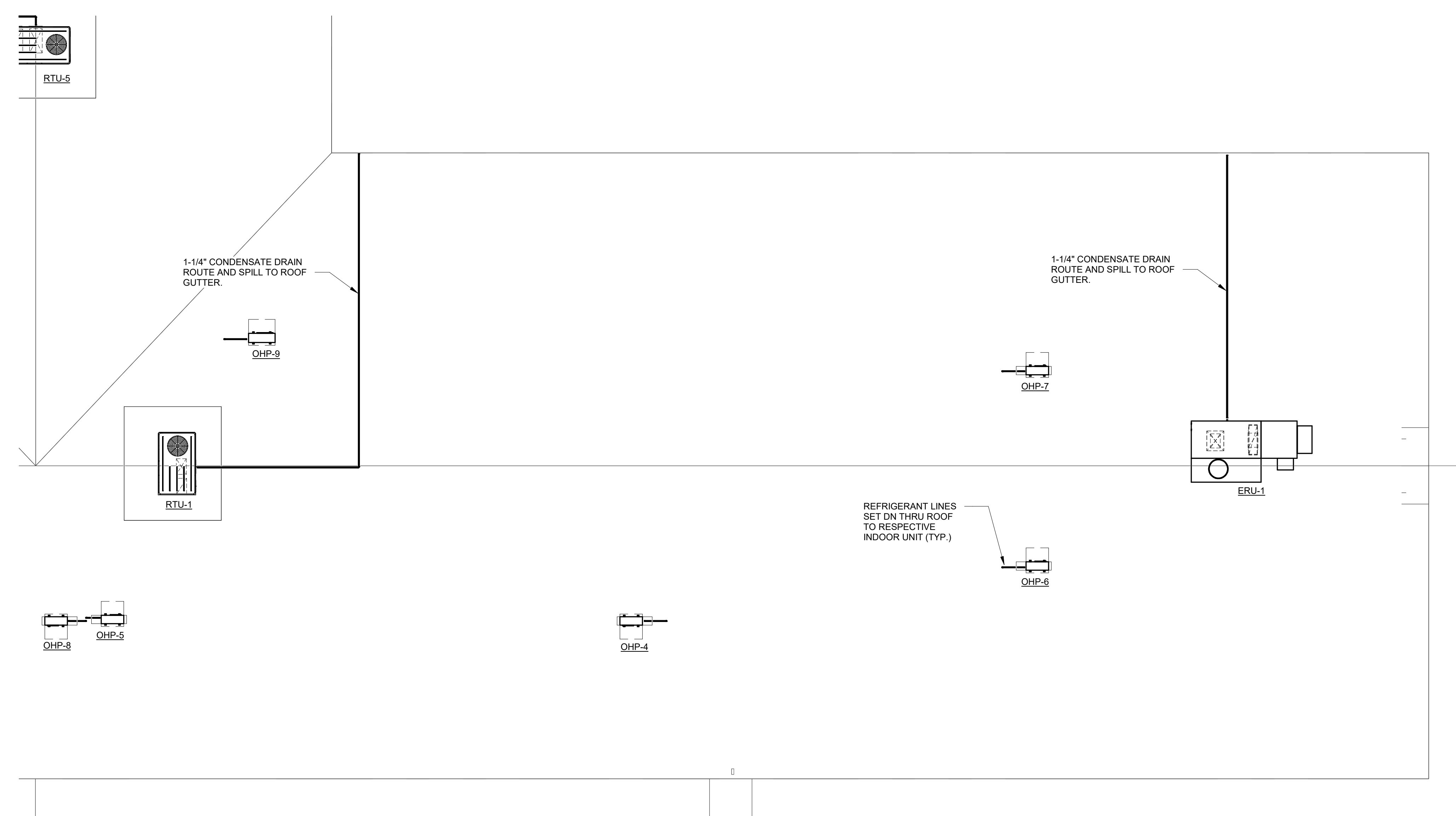
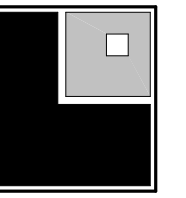
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PROJ. MGR.: -- JWS
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 REVISIONS

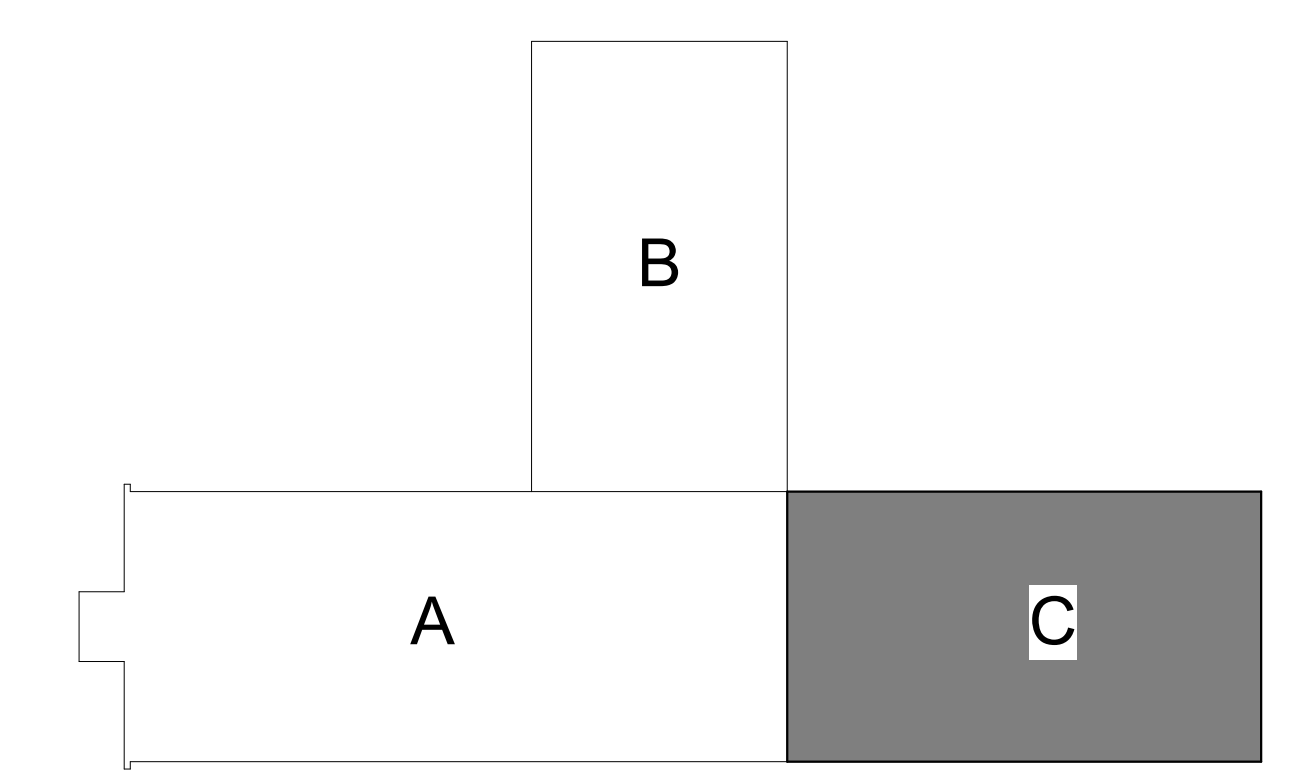
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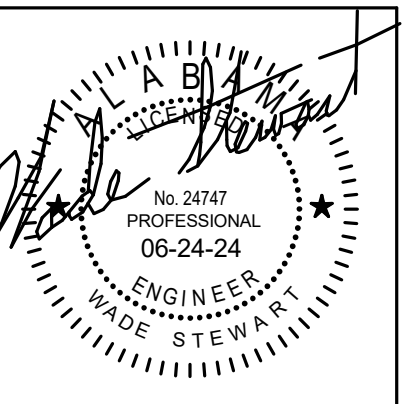
13 OF 17



1 MECHANICAL - ROOF PLAN - PART C
 1/8" = 1'-0"



KEY PLAN
 SCALE: N.T.S.

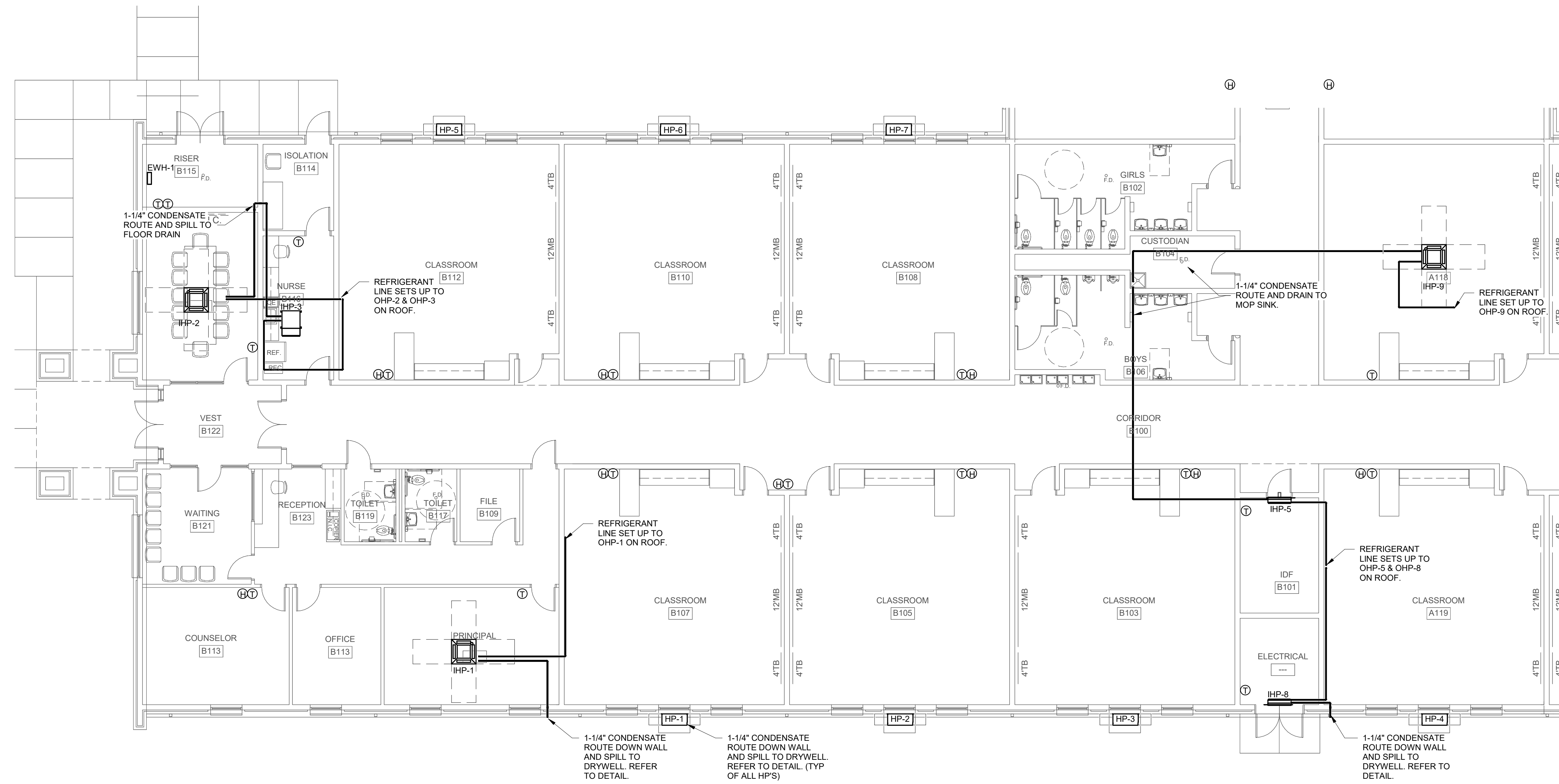


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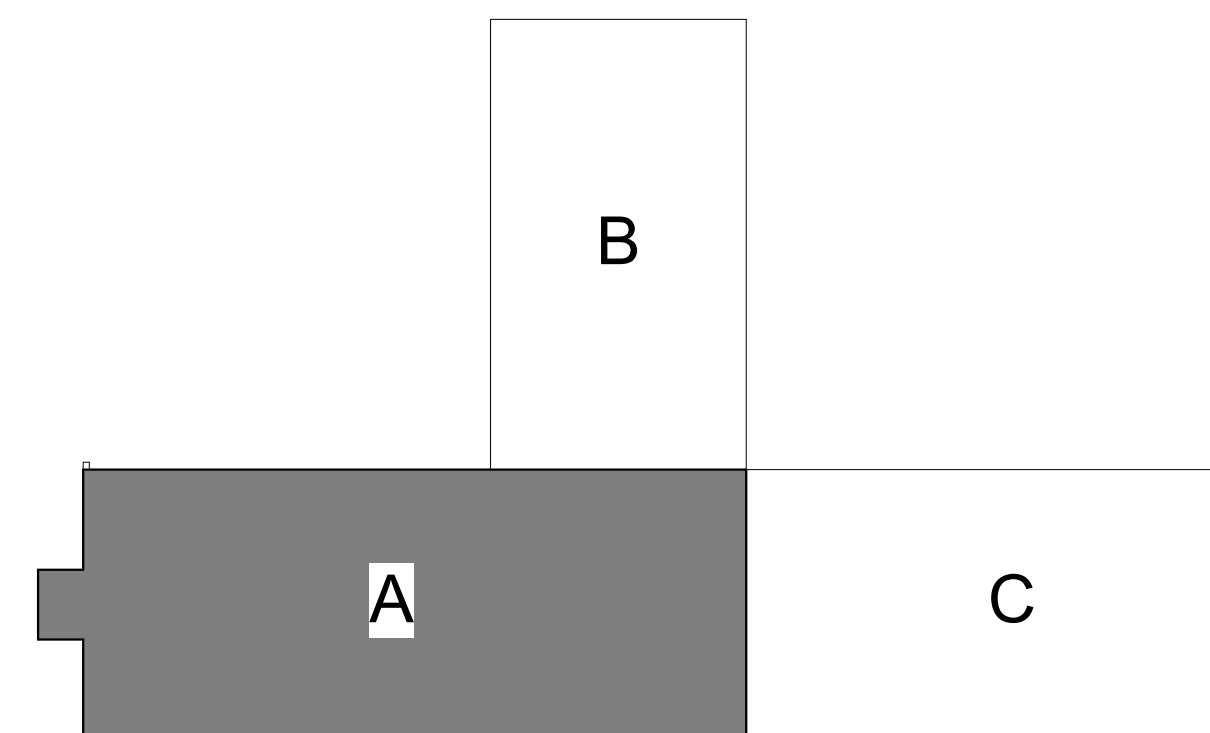
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JOB NO. 24-38

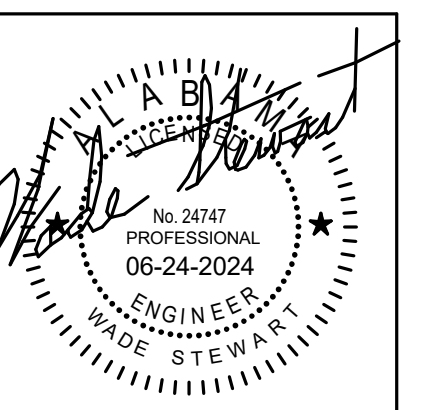
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1 MECHANICAL PIPING - FLOOR PLAN - PART A
 1/8" = 1'-0"



KEY PLAN
 SCALE: N.T.S.



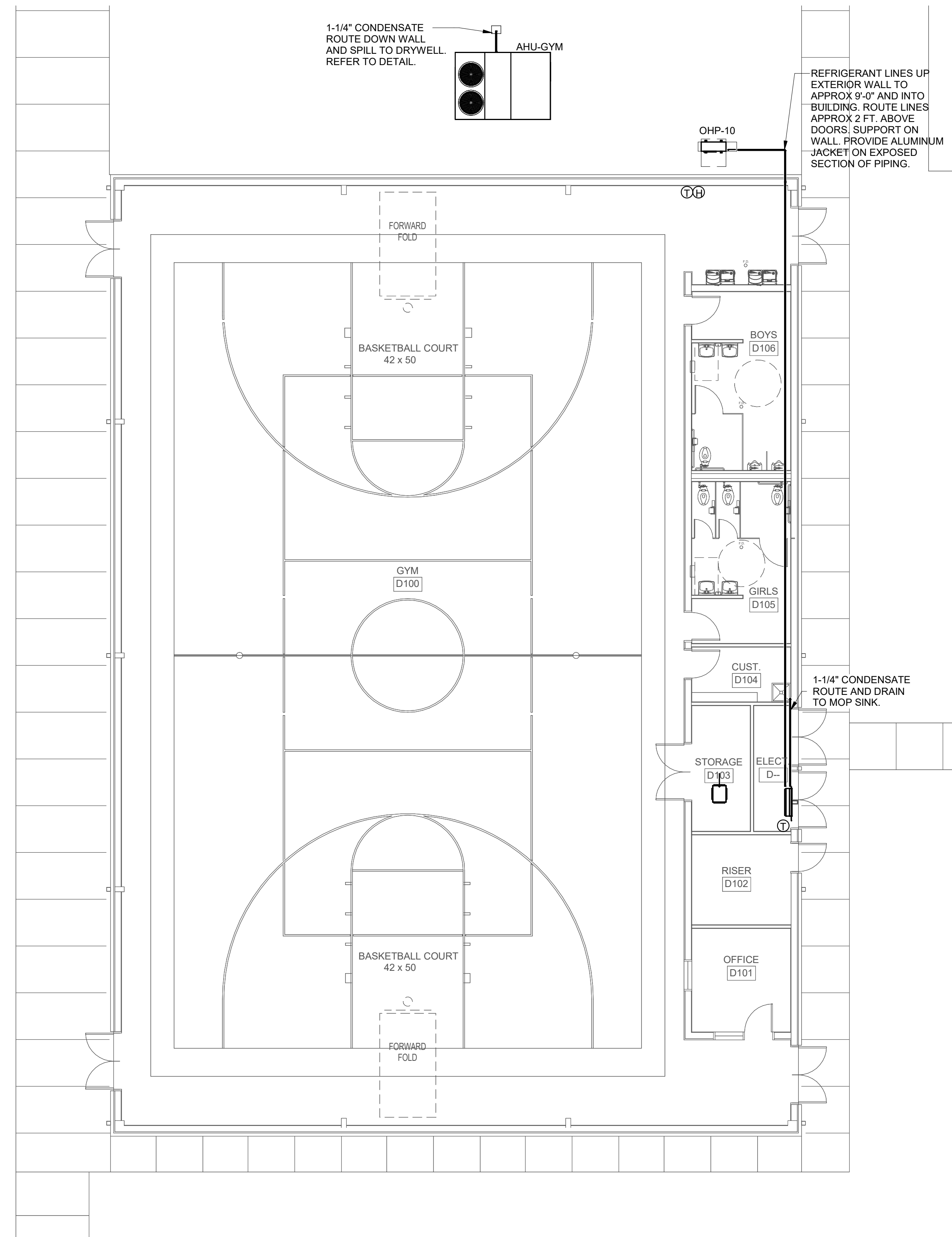
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 PLAN - PART A

PROJ. MGR.: -- JWS
 DRAWN: -- BDL
 DATE: -- 06/24/24
 REVISIONS

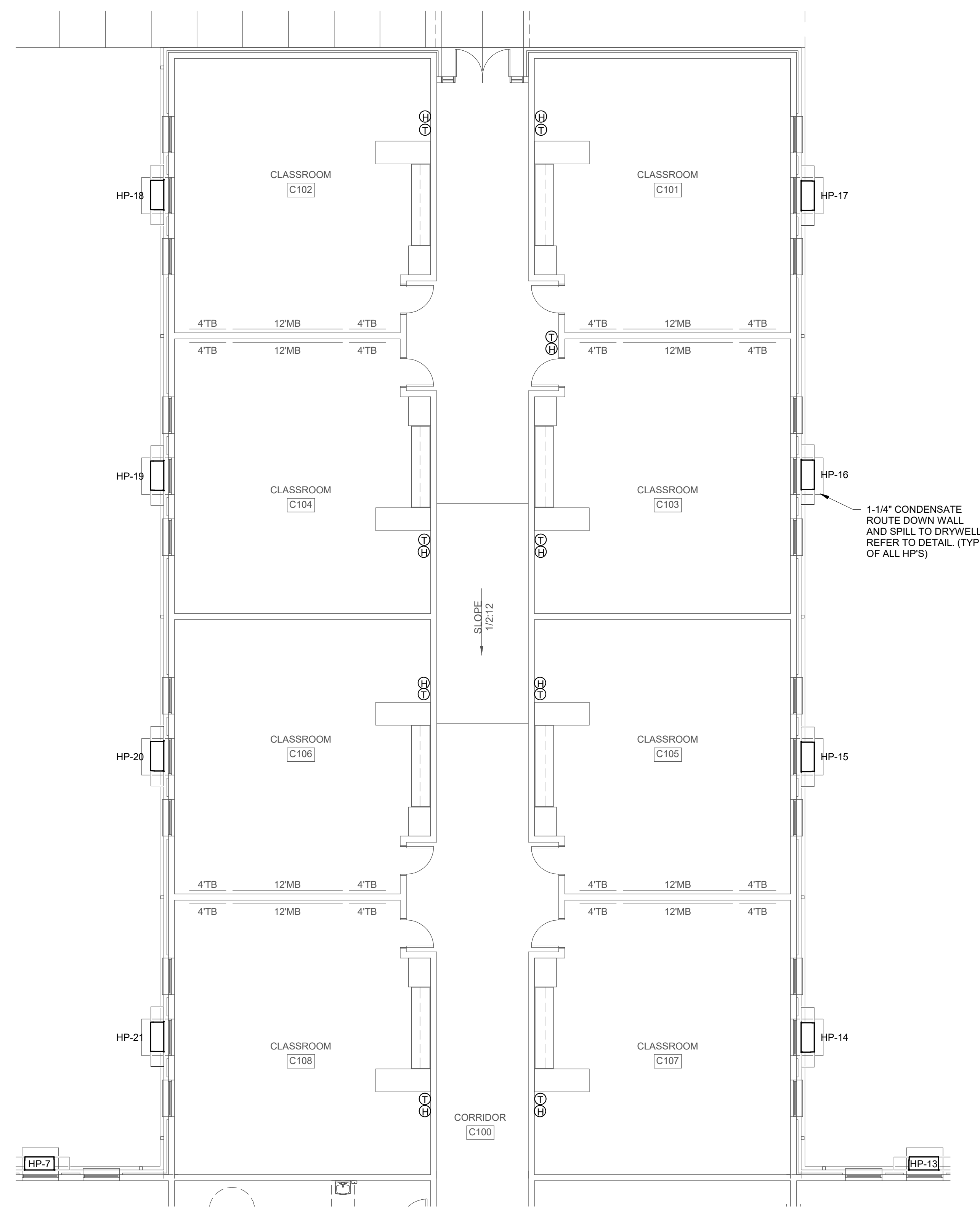
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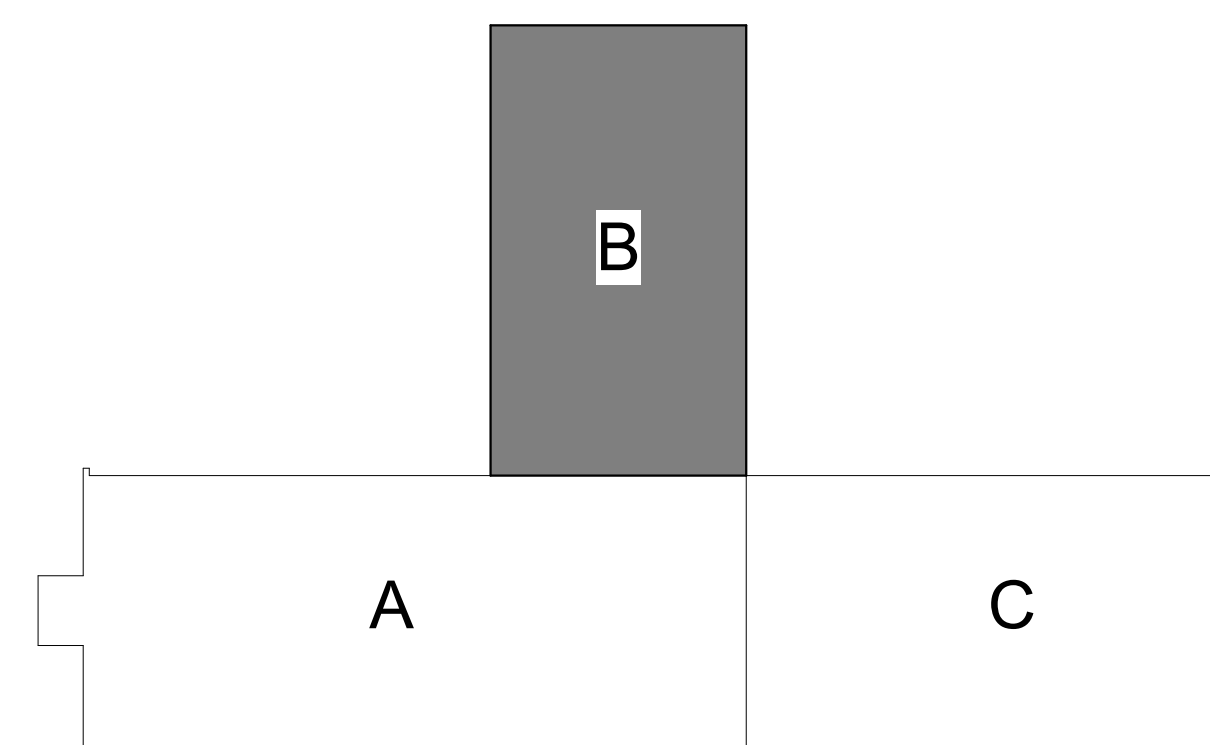
15 OF 17



2 MECHANICAL PIPING - GYM FLOOR PLAN
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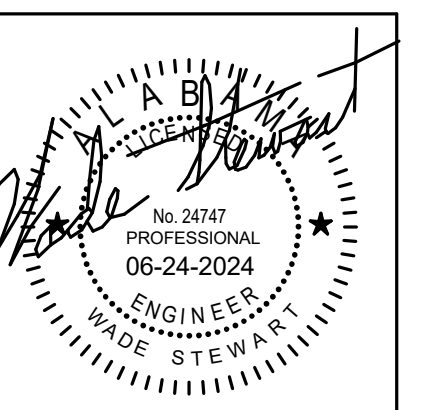


1 MECHANICAL PIPING - FLOOR PLAN - PART B
 1/8" = 1'-0"



KEY PLAN
 SCALE: N.T.S.

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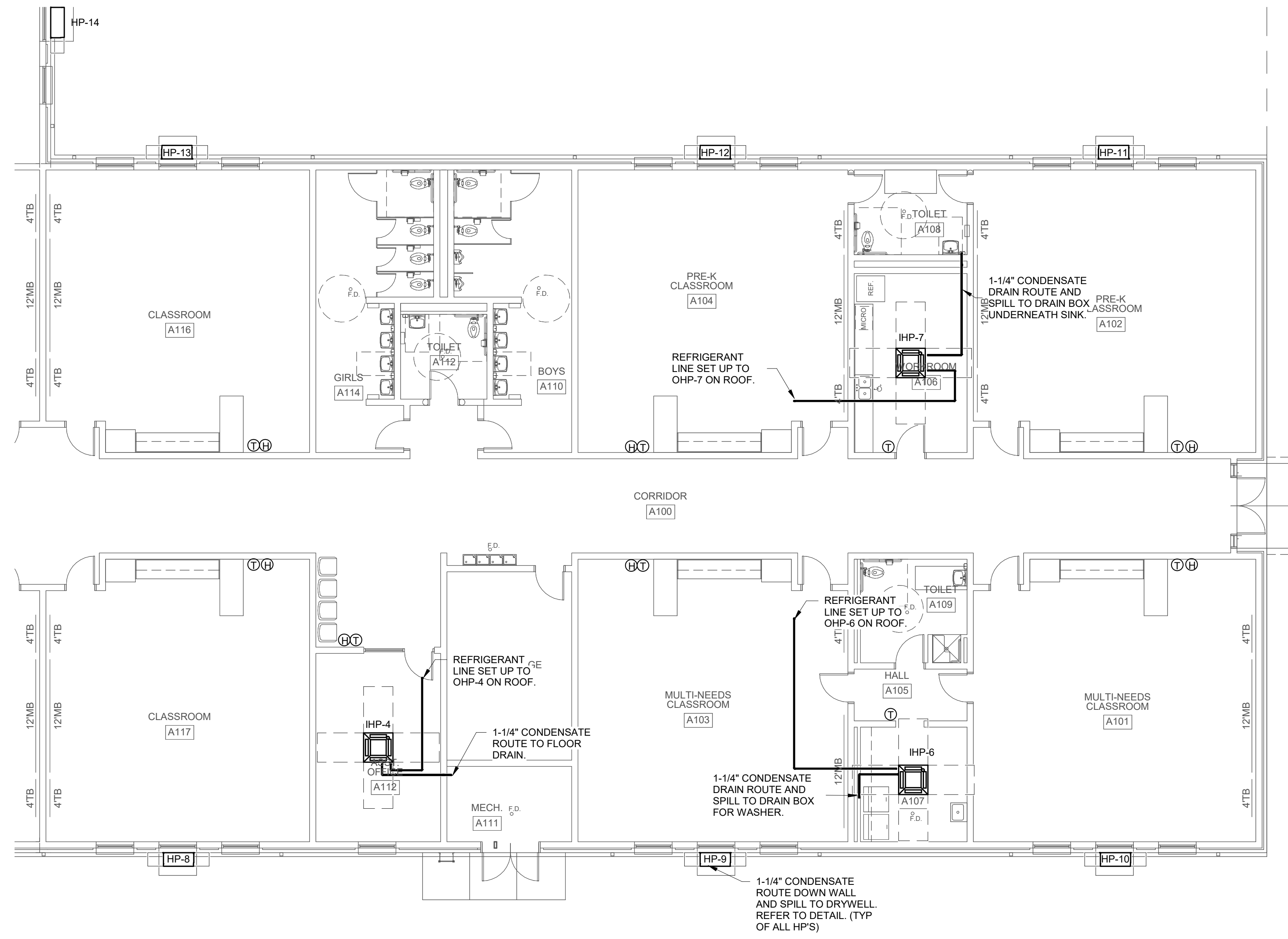
SHEET TITLE:
 MECHANICAL PIPING - FLOOR
 PLAN - PART B

PROJ. MGR.: -- JWS
 DRAWN: BDL
 DATE: -- 06/24/24
 REVISIONS

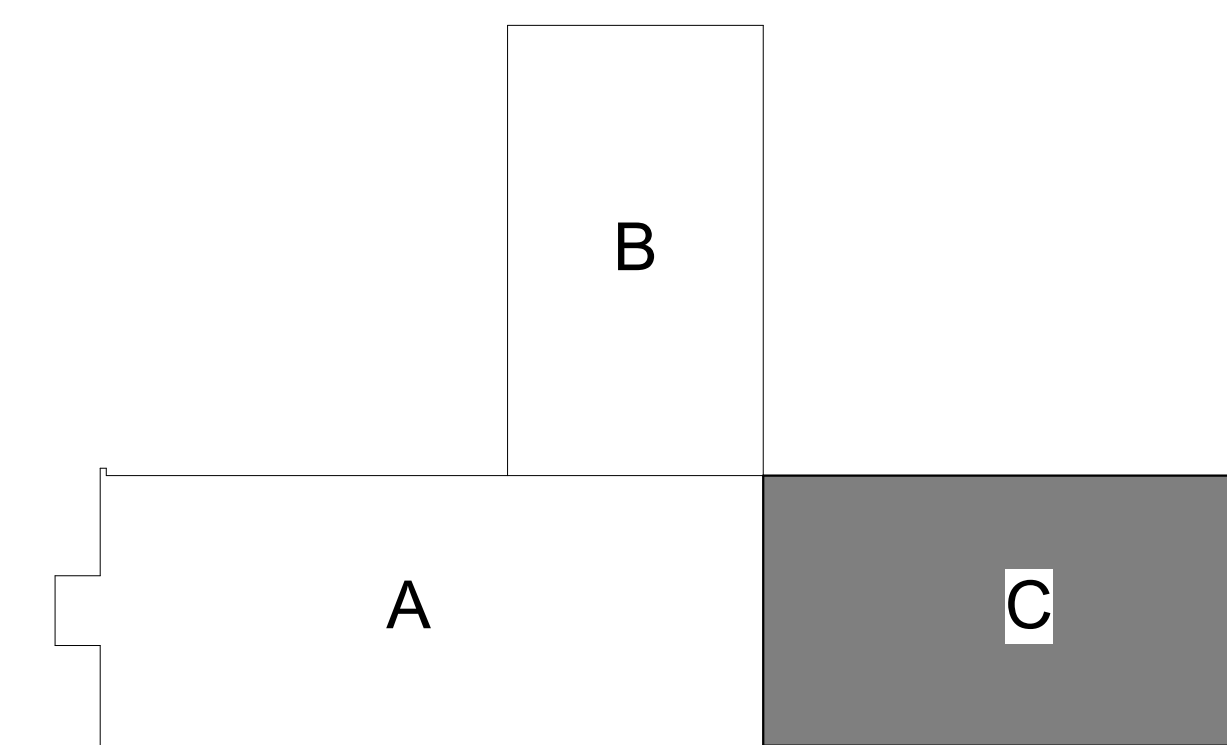
JOB NO. 24-38

SHEET NO:
M3.1

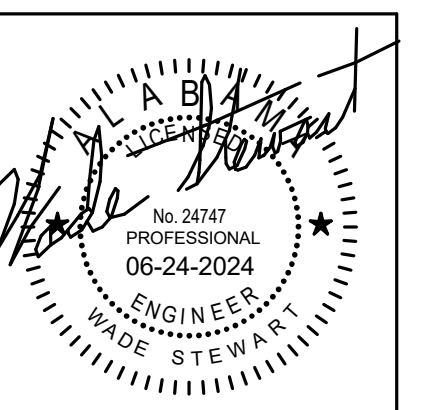
16 OF 17



1 MECHANICAL PIPING - FLOOR PLAN - PART C
 1/8" = 1'-0"



KEY PLAN
 SCALE: N.T.S.



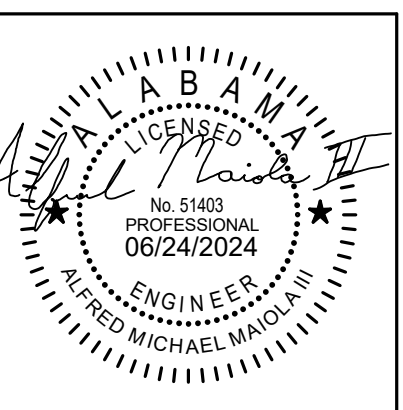
SHEET TITLE:
 MECHANICAL PIPING - FLOOR
 PLAN - PART C

PROJ. MGR.: -- JWS
 DRAWN: BDL
 DATE: -- 06/24/24
 REVISIONS

JOB NO. 24-38

SHEET NO:
M3.2

17 OF 17



SHEET TITLE:
 ELECTRICAL LUMINAIRE
 SCHEDULE AND DETAILS

PROJ. MGR.:	AMM
DRAWN:	DB
DATE:	06/24/24
REVISIONS	

JOB NO. **24-38**

SHEET NO.
E0.2

LUMINAIRE SCHEDULE									
TYPE MARK	MANUFACTURER	MODEL	VOLT	LAMP	WATT	COLOR TEMP	DESCRIPTION	COMMENTS / OPTIONS	
A	METALUX LITHONIA HE WILLIAMS	24CZ2-45-UNV-L835-CD-1 2BLT14-45L-ADP-GZ10-LP835 LT24-L52-835-AF-L45-DIM-U	277	LED 4500 LM	36 W	3500 K	2x4 LED RECESSED TROFFER, FROSTED ACRYLIC CURVED LENS.		
AE	METALUX LITHONIA HE WILLIAMS	24CZ2-45-UNV-L835-CD-1-EL14W 2BLT14-45L-ADP-GZ10-LP835-EL14 LT24-L52-835-AF-L45-DIM-U-EM12W	277	LED 4500 LM	36 W	3500 K	2x4 LED RECESSED TROFFER, FROSTED ACRYLIC CURVED LENS, EMERGENCY.	PROVIDE WITH EMERGENCY BATTERY PACK.	
C	FC LIGHTING BROWNLEE LIGHTING HALO	FCW3600-UNV-35-CR185-20L-BKE 7200-XL153-35K SMD14R-20-95-WH-E-SMD14RTRXXX	277	LED 4000 LM	20 W	3500 K	SURFACE MOUNT ROUND EXTERIOR CANOPY LED LUMINAIRE, DIE-CAST ALUMINUM HOUSING, IP66 RATED, FLUSH LENS, MEDIUM LIGHT THROW DISTRIBUTION.	PROVIDE UNISTRUT MOUNTING SO THAT THERE IS NO PENETRATIONS ON THE ROOF CANOPY.	
F	METALUX LITHONIA HE WILLIAMS	4SNLED-D05-48SL-UNV-EL14W-L835-CD-1-U-AIRCRAFT CABLE Z11D148-5000LM-FST-MVOLT-35K-80CR-WH-ZACVH M100 75R-4150-8-35K-ACF-D48-DIM-UNV	277	LED 5000 LM	50 W	3500 K	AIRCRAFT CABLE SUSPENDED 48" LED STRIP LIGHT.	PROVIDE AIRCRAFT CABLE AND ALL REQUIRED MOUNTING HARDWARE. AIRCRAFT CABLE SHALL BE FIELD ADJUSTABLE.	
FE	METALUX LITHONIA HE WILLIAMS	4SNLED-D05-48SL-UNV-EL14W-L835-CD-1-U-AIRCRAFT CABLE Z11D148-5000LM-FST-MVOLT-35K-80CR-E7W-WH-ZACVH M100 75R-4150-8-35K-EM10WLP-DIM-UNV	277	LED 5000 LM	50 W	3500 K	AIRCRAFT CABLE SUSPENDED 48" LED STRIP LIGHT.	PROVIDE AIRCRAFT CABLE AND ALL REQUIRED MOUNTING HARDWARE. PROVIDE BATTERY BACKUP. AIRCRAFT CABLE SHALL BE FIELD ADJUSTABLE.	
FVE	METALUX LITHONIA HE WILLIAMS	4SNLED-D05-48SL-UNV-EL14W-L835-CD-1-U Z11D148-5000LM-FST-MVOLT-35K-80CR-E7W-WH 75R-4150-8-35K-EM10WLP-DIM-UNV	277	LED 4800 LM	35 W	3500 K	WALL MOUNTED 48" LED STRIP LIGHT	SURFACE MOUNT ABOVE DOOR AND PROVIDE ALL MOUNTING ACCESSORIES, PROVIDE EMERGENCY BATTERY BACKUP.	
G	METALUX LITHONIA HE WILLIAMS	IBG24000LM SEF ACL GND MVOLT GZ10 35K 80CRI WBG24 1BAC120M100 GH-4-L240835-FA-GC2-Y18-10-WG11-DIM-UNV OHLB-24SE-W-UNV-L835-CD-UOHB-WG162-Y-TOGGLE10-U	277	LED 24000 LM	144 W	3500 K	2x4 LED HIGH BAY FIXTURE MOUNTED FROM THE STRUCTURE VIA AIRCRAFT CABLES.	PROVIDE WIRE GUARD AND AIRCRAFT CABLES. MOUNT SO THAT FIXTURES ARE 20'-0" AFF. PROVIDE UNISTRUT AS REQUIRED FOR MOUNTING.	
GE	METALUX LITHONIA HE WILLIAMS	IBG24000LM SEF ACL GND MVOLT GZ10 35K 80CRI IE20WCPRH WBG24 1BAC120M100 GH-4-L240835-FA-EM20W-GC2-Y18-10-WG11-DIM-UNV OHLB-24SE-W-UNV-L835-EL20W-CD-UOHB-WG162-Y-TOGGLE10-U	277	LED 24000 LM	144 W	3500 K	2x4 LED HIGH BAY FIXTURE MOUNTED FROM THE STRUCTURE VIA AIRCRAFT CABLES.	PROVIDE EMERGENCY BATTERY, WIRE GUARD, AND AIRCRAFT CABLES. MOUNT SO THAT FIXTURES ARE 20'-0" AFF. PROVIDE UNISTRUT AS REQUIRED FOR MOUNTING.	
SL-4	LITHONIA SIGNIFY MCGRAW-EDHAPCO	DSX0 LED P4 35K 80CRI 14M MVOLT SRA HS DBLXD / RTS-25-5-9B-DM49AS-DBBXD OPF-S-A03-P05-830-14M-BLC-ARI-1-277-BK / 06TRS-11-D4-XX GALN-SA2B-735-U-T4-XX-HSS / RTS25B61-4-XX	277	LED 11000 LM	566 W	4000 K	LED AREA LIGHT FOUR HEAD TYPE 4 THROW ON 25' STRAIGHT ROUND TAPERED POLE. BLACK FINISH.	INSTALL POLE PER DETAIL. CONFIRM COLOR FINISH WITH ARCHITECT TO MATCH EXISTING SITE LIGHTING. PRIOR TO ORDERING, CONFIRM EXISTING SITE LIGHTING POLE HEIGHT MATCHES THE 25' POLE (27'-0" TOTAL WITH BASE). WHERE THERE IS A DISCREPANCY, NOTIFY ARCHITECT AND AWAIT SUPPLEMENTAL INSTRUCTION.	
W1	LITHONIA SIGNIFY NLS LIGHTING	WEDGE2 LED P2 35K 80CRI VF MVOLT DBLXD GWM-A06-840-14M-277-BK TWA-T4-16L-35-35K8-UNV-WM-XX	277	LED 2000 LM	15 W	3500 K	WALL MOUNTED LED LUMINAIRE, DIE CAST ALUMINUM HOUSING, TYPE IV DISTRIBUTION, BLACK FINISH.	PROVIDE EMERGENCY BATTERY PACK. COORDINATE MOUNTING HEIGHT WITH ARCHITECT.	
WE	LITHONIA SIGNIFY NLS LIGHTING	WEDGE2 LED P2 35K 80CRI VF MVOLT E20WC DBLXD GWM-A06-840-14M-277-EC-BK TWA-T4-16L-35-35K8-UNV-WM-EM8-XX	277	LED 2000 LM	15 W	3500 K	WALL MOUNTED LED LUMINAIRE, DIE CAST ALUMINUM HOUSING, TYPE IV DISTRIBUTION, BLACK FINISH, EMERGENCY.	PROVIDE EMERGENCY BATTERY PACK. COORDINATE MOUNTING HEIGHT WITH ARCHITECT.	
X1	LITHONIA HE WILLIAMS EXITRONIX	LHQ34-LED-R40 EXIT/EMLED-R-WHT-HL-D CCSS-R-WH	277	LED 1100 LM	5 W	3500 K	WALL/CEILING MOUNTED COMBINATION EXIT SIGN AND EMERGENCY EGRESS LIGHT. EGRESS LIGHTING HEADS SHALL BE HIGH OUTPUT TYPE AND INTEGRAL TO THE FIXTURE. REMOVABLE DIRECTIONAL ARROWS AND REMOVABLE 2ND BACK EXIT FACE.	WALL/CEILING MOUNT AS SHOWN ON FLOOR PLANS. WHERE SHOWN WALL MOUNTED, SEE STANDARD ELEVATIONS FOR HEIGHTS. PROVIDE BATTERY BACKUP AND INTEGRAL EGRESS LAMPS.	

LUMINAIRE SCHEDULE NOTES:

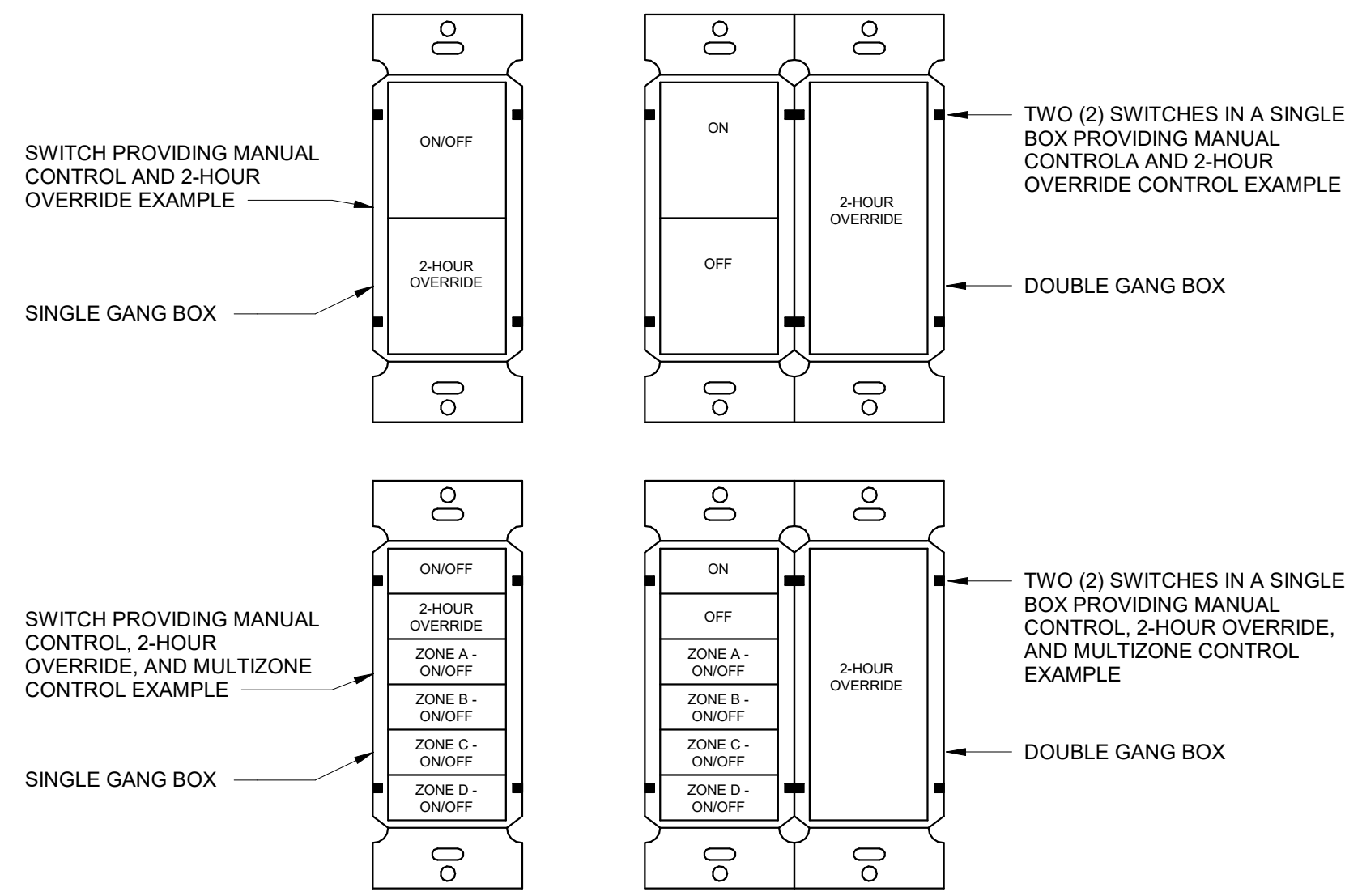
1. MANUFACTURER CATALOG NUMBERS ARE SHOWN FOR GENERAL DESCRIPTIVE PURPOSES AND TO ESTABLISH STANDARD OF QUALITY ONLY. PROVIDE LUMINAIRES COMPLETE WITH ALL OPTIONS AND ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION. ALL PRODUCTS SHALL BE UL LISTED. ALL SUBSTITUTION REQUEST SHALL BE SUBMITTED FOR REVIEW PRIOR TO BID PER SPECIFICATIONS.
2. VERIFY CONSTRUCTION OF CEILINGS BEING INSTALLED AND PROVIDE THE LUMINAIRES SPECIFIED IN APPROPRIATE CONFIGURATION WITH ALL HARDWARE AND ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION.
3. PROVIDE LUMINAIRES WITH JOINING PLATES, END CAPS, CANOPIES, MOUNTING HARDWARE, ETC. AS REQUIRED FOR COMPLETE INSTALLATION.
4. EXIT LIGHTS SHALL BE PROVIDED WITH COLOR OF LETTERS REQUIRED BY LOCAL CODE AUTHORITY. FURNISH WITH CHEVRON DIRECTIONAL INDICATORS AS INDICATED AND REQUIRED.
5. PROVIDE DEVICES FOR SECURING LAY-IN TYPE LUMINAIRES TO CEILING GRID TO COMPLY WITH ARTICLE 410 OF THE NATIONAL ELECTRICAL CODE.
6. FURNISH LINEAR LUMINAIRES IN CONTINUOUS ROWS OR PATTERNS AS INDICATED ON DRAWINGS. PROVIDE WITH CORNER, ANGLE AND END PIECES AS REQUIRED FOR A COMPLETE INSTALLATION.
7. FURNISH LUMINAIRES IN MECHANICAL SPACES COMPLETE WITH PENDANT STEMS OR CHAIN HANGERS AS REQUIRED TO MOUNT BELOW PIPING, DUCT, CONDUIT, ETC. MAINTAIN UNIFORM MOUNTING HEIGHT FOR ALL LUMINAIRES THROUGHOUT THE MECHANICAL AREA.
8. PENDANT MOUNTED LUMINAIRES WITH AIRCRAFT CABLE SUSPENSION SYSTEMS SHALL BE FURNISHED WITH ADJUSTABLE CABLE GRIP HARDWARE. CABLE SIZE SHALL BE SELECTED BY MANUFACTURER TO PROVIDE ADEQUATE SUPPORT OF LUMINAIRES SPECIFIED.
9. EMERGENCY BATTERY PACKS FOR LED LUMINAIRES SHALL OPERATE FOR 90 MINUTES MINIMUM.
10. LED FIXTURES: TO INSURE A FIXTURE WILL PERFORM "AS ADVERTISED" ON A CUT SHEET, THE PUBLISHED SPECIFICATION SHALL BE SUPPORTED BY LM-79 TEST RESULTS: LED FIXTURES WHICH ARE BUILT USING LED'S SHALL HAVE SUCCESSFULLY PASSED LM-80. LED'S SHALL YIELD A LM-80 RESULT OF A MINIMUM OF 70% OF THE ORIGINAL LIGHT OUTPUT OF THE LED STILL BEING DELIVERED AFTER 50,000 HOURS OF OPERATION. THE POWER SUPPLY UNIT (DRIVER) SHALL HAVE 150,000 HOURS MTBF (MEAN TIME BETWEEN FAILURES). AN INTEGRATED BATTERY BACKUP SOLUTION FOR THE LED FIXTURE IS REQUIRED. REPLACEABLE LED BOARDS TO ALLOW FIXTURE UPGRADE.
11. VERIFY CONSTRUCTION OF CEILINGS BEING INSTALLED AND PROVIDE THE LUMINAIRES SPECIFIED IN APPROPRIATE CONFIGURATION WITH ALL HARDWARE AND ACCESSORIES REQUIRED FOR COMPATIBLE INSTALLATION.
12. PROVIDE FUSES FOR UNGROUNDED CONDUCTORS SUPPLYING LED DRIVERS, PROVIDE FUSED SIZED FOR RATING OF LED DRIVER.
13. POLE MANUFACTURER SHALL COORDINATE WITH LUMINAIRE MANUFACTURER TO PROVIDE ADEQUATE STRENGTH TO SUPPORT THE FIXTURE. PROVIDE APPROPRIATE MOUNTING HARDWARE, ANCHOR BOLTS, BOLT/BASEPLATE COVERS AND GROUNDING LUG. MANUFACTURER SHALL FURNISH AN ANCHOR BOLT TEMPLATE TO ENSURE PROPER MOUNTING AND LUMINAIRE ORIENTATION FOR CORRECT LIGHT DISTRIBUTION.

LCP-1 SCHEDULE				
Relay	Panel	Circuit Number	Location Description	LOCAL CONTROL
2	LP-2	29	CANOPY	EXTERIOR OVERRIDE SWITCH
3	LP-2	38	NORTH EXTERIOR WALL	EXTERIOR OVERRIDE SWITCH
4	LP-2	37	NORTH EXTERIOR WALL	EXTERIOR OVERRIDE SWITCH

LCP-G SCHEDULE				
Relay	Panel	Circuit Number	Location Description	LOCAL CONTROL
1	MP-G	2	GYM LIGHTING	2 HOUR TIMED OVERRIDE SWITCH
2	MP-G	7	GYM EXTERIOR WALLS	EXTERIOR OVERRIDE SWITCH

LIGHTNING CONTROL PANEL NOTES FOR EACH LCP:

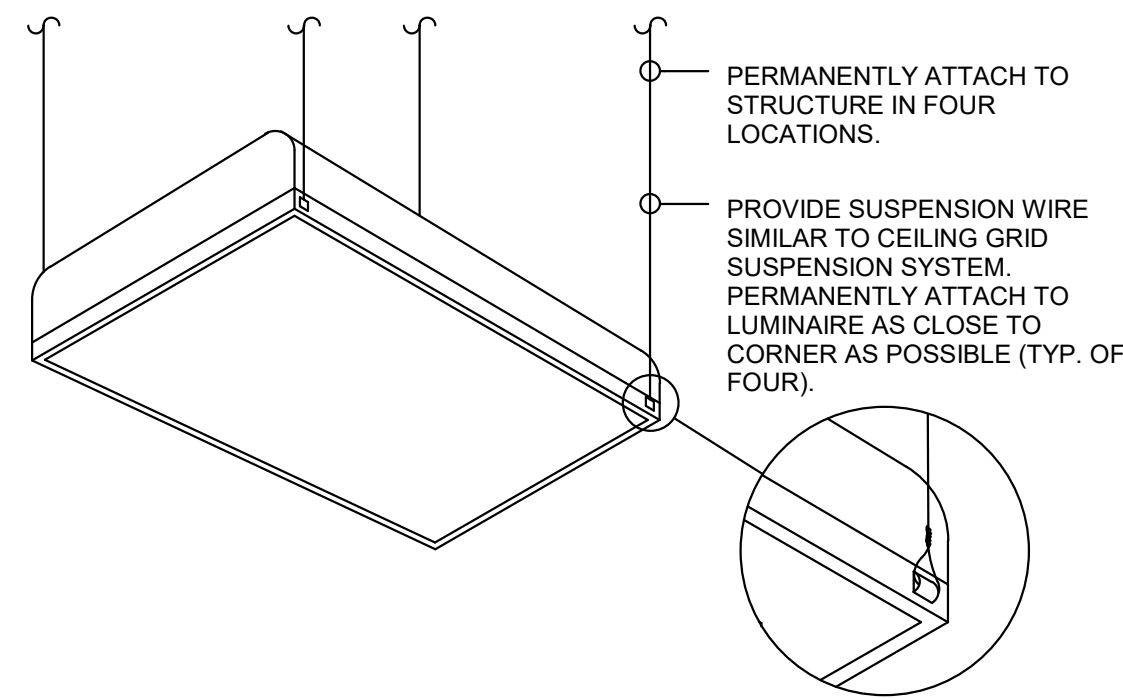
- A. LIGHTING CONTROL PANEL SHALL HAVE A MINIMUM 7-DAY CLOCK.
- B. LIGHTING CONTROL PANEL SHALL BE CAPABLE OF BEING SET FOR SEVEN DIFFERENT DAY TYPES PER WEEK.
- C. LIGHTING CONTROL PANEL SHALL INCORPORATE AN AUTOMATIC HOLIDAY "SHUTOFF" FEATURE, WHICH TURNS OFF ALL CONTROLLED LIGHTING LOADS FOR AT LEAST 24 HOURS AND THEN RESUMES NORMALLY SCHEDULED OPERATIONS.
- D. EACH LIGHTING CONTROL PANEL SHALL HAVE A PROGRAM BACKUP CAPABILITIES, WHICH PREVENT THE LOSS OF PROGRAM AND TIME SETTINGS FOR AT LEAST 10 HOURS, IF PROGRAM IS INTERRUPTED.
- E. PROVIDE AT A MINIMUM FOUR (4) SPARE RELAYS IN EACH LIGHTING CONTROL PANEL.
- F. OVERRIDE SWITCHES SHALL TURN THE RESPECTIVE ZONE "ON" DURING OFF HOURS FOR 2 HOURS MAXIMUM.
- G. ALL OVERRIDE SWITCHES SHALL BE LABELED WITH THE "DESCRIPTION" AREA.
- H. PROVIDE DRY CONTACTS FOR A RELAY TO CONNECT FIRE ALARM WIRING INTERFACE. ALL AUTOMATICALLY SWITCHED LIGHTING WITHIN THE MEANS OF EGRESS SHALL BE CONNECTED TO THE FIRE ALARM SYSTEM. UPON ACTIVATION, THE LIGHTS SHALL BE SWITCHED TO "ON" AND FULL BRIGHT.
- I. PROVIDE PHOTOCELL/PHOTOSENSOR CONNECTED TO THE LCP.
- J. CONFIRM ON/OFF SCHEDULING WITH THE OWNER. LIGHTING CONTROL PANEL SHALL BE PROGRAMMED FOR THE OWNER.
- K. LIGHTING CONTROL PANEL VENDOR SHALL PROVIDE SHOP DRAWINGS OF ALL LOCATIONS OF DEVICES AND EQUIPMENT ON THE FLOOR PLAN FOR SUBMITTAL REVIEW AND FOR INSTALLATION PURPOSE. LIGHTING CONTROL PANEL VENDOR SHALL PROVIDE DETAILED WIRING DIAGRAMS FOR ALL DEVICES AND EQUIPMENT WITHIN LCP SYSTEM.



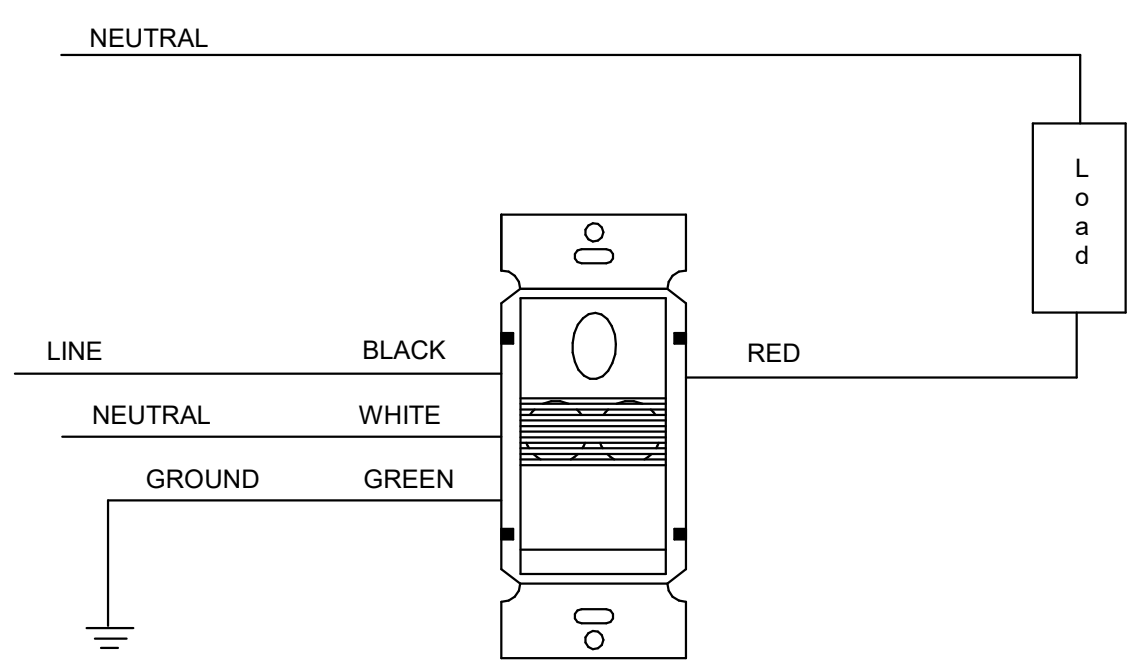
NOTE:

COORDINATE ALL SWITCH REQUIREMENTS WITH CONTROLS MANUFACTURER TO COMPLY WITH ALL CONTROL REQUIREMENTS OF EACH INDIVIDUAL SPACE. SEE LIGHTING CONTROL SCHEDULES AND SWITCH LEGEND. WHERE A MANUFACTURER REQUIRES A TWO GANG BOX OR A SINGLE GANG BOX, PROVIDE ALL RESULTING COSTS IN ADDITIONAL ROUGH-IN REQUIREMENTS.

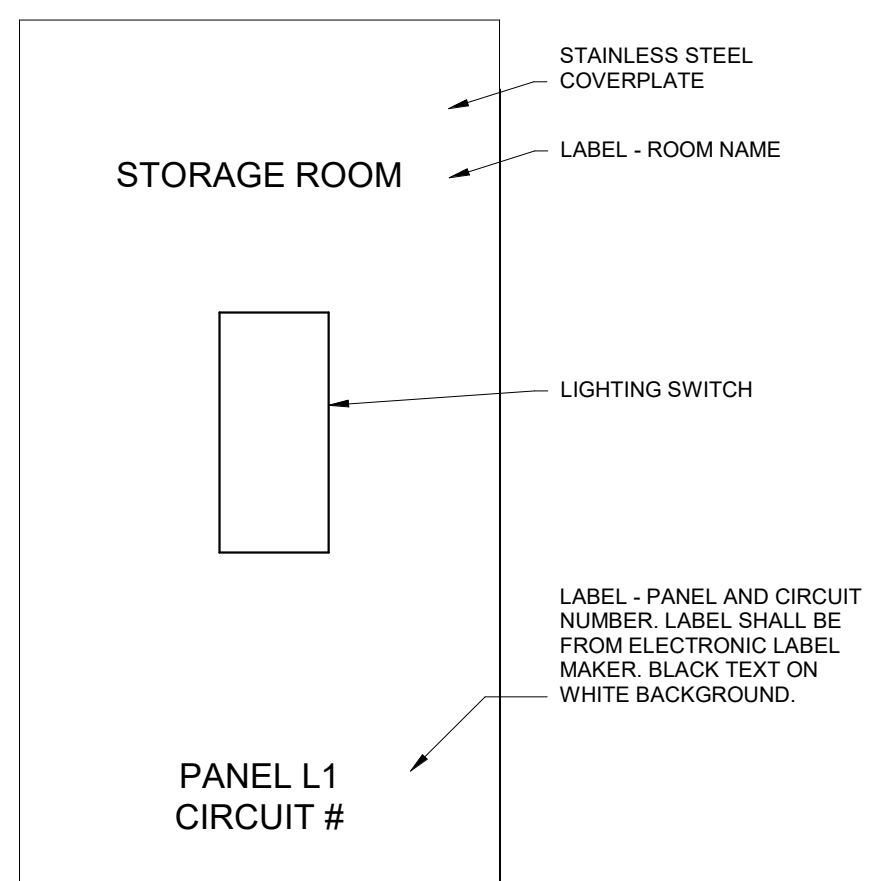
MULTIZONE SWITCH AND OVERRIDE SWITCH SCHEMATIC



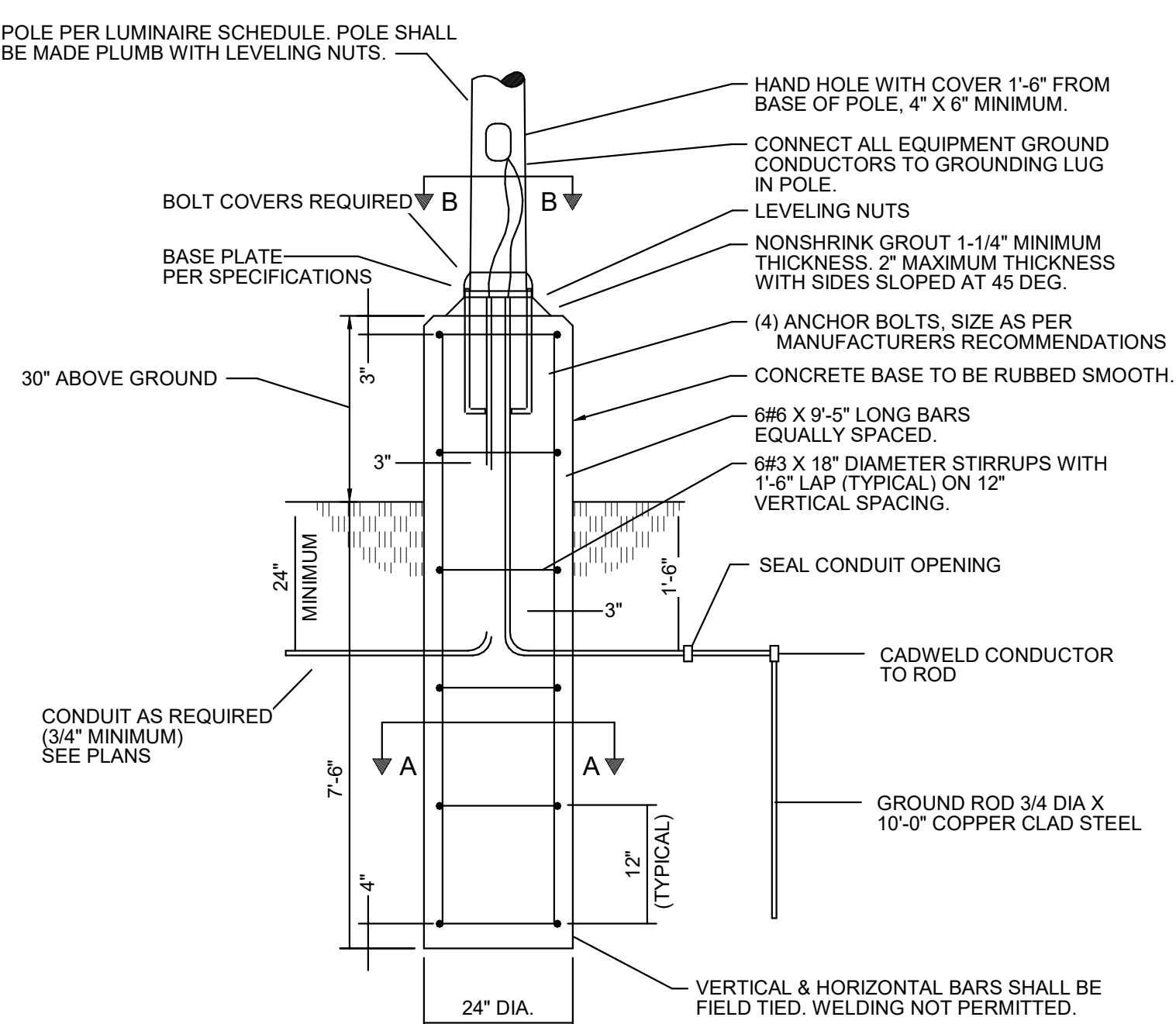
DETAIL - TYPICAL MOUNTING TROFFER
 NOT TO SCALE



DETAIL - WALL SWITCH SENSOR
 NOT TO SCALE

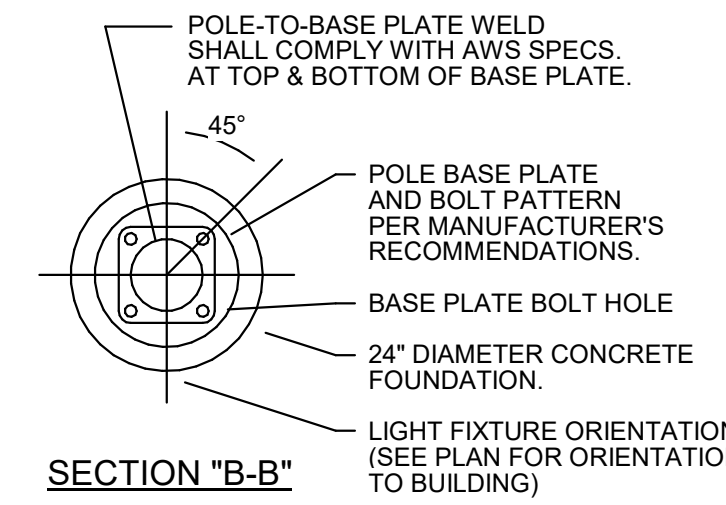


DETAIL
 LIGHTING SWITCH FACEPLATE
 NO SCALE

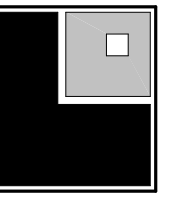


- NOTES:**
1. 3500 PSI MINIMUM 28 DAY COMPRESSIVE STRENGTH CONCRETE WITH GRADE 60 RE-BARS.
 2. IF WATER IS PRESENT IN HOLE, REMOVE BEFORE POURING CONCRETE.
 3. FOUNDATION EXCAVATION SHALL BE BY 24" AUGER IN UNDISTURBED OR PROPERLY COMPACTED FILL.
 4. MINIMUM ALLOWABLE SOIL BEARING PRESSURE 3000 PSF. NOTIFY ENGINEER IF BEARING PRESSURE IS LESS.
 5. AIR ENTRAINMENT: 4 TO 6%.

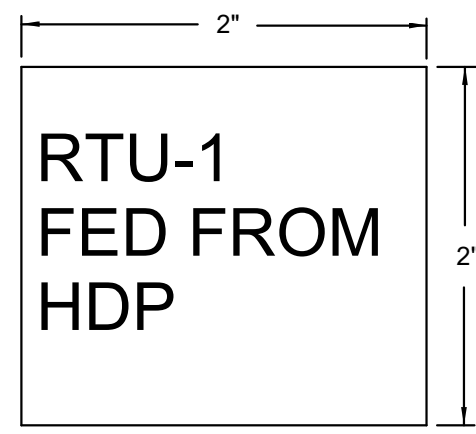
DETAIL - POLE BASE LIGHTING STANDARD FOR POLE MOUNTED FIXTURES
 NOT TO SCALE



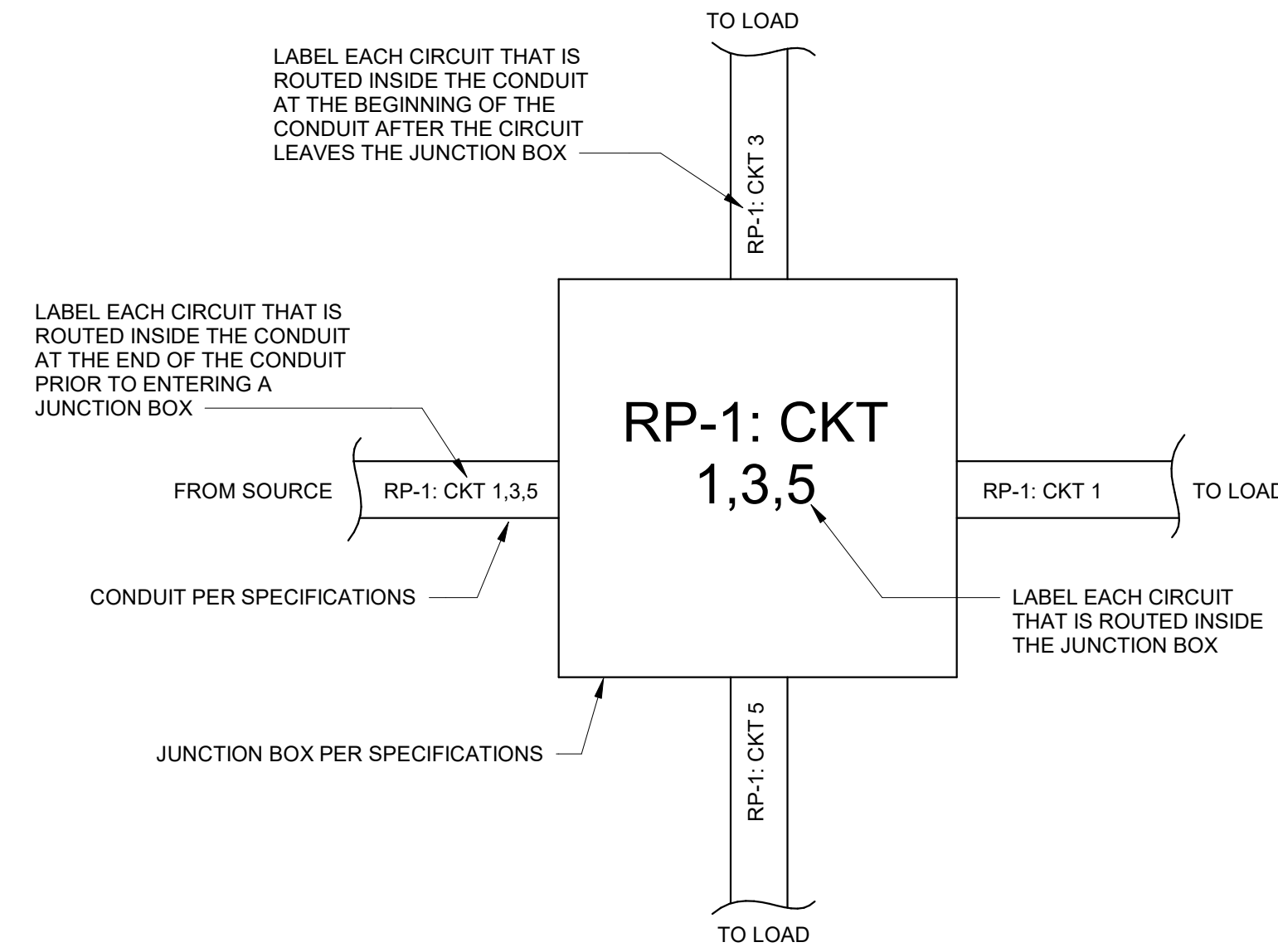
DETAIL - SECTION THRU POLE BASE
 NOT TO SCALE



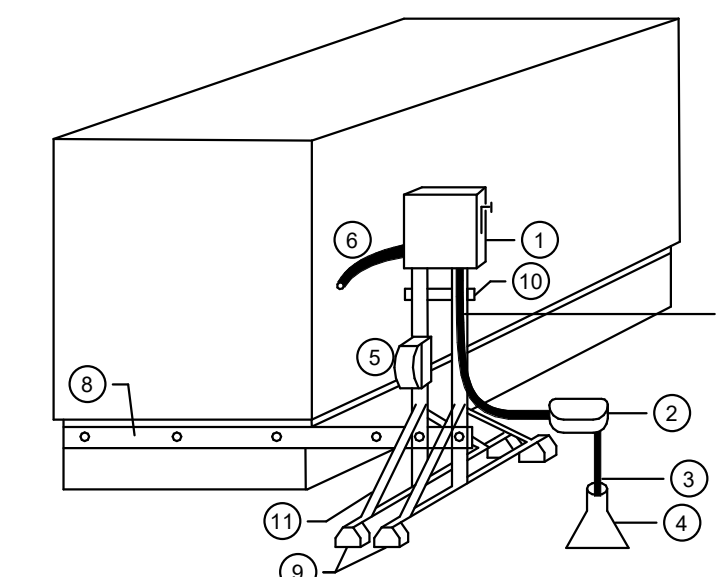
LETTER FONT - 1/4" SIMPLEX
 LETTER (FILL) COLOR-BLACK
 NAMEPLATE COLOR- WHITE



DETAIL - DISCONNECT NAMEPLATE
 NOT TO SCALE



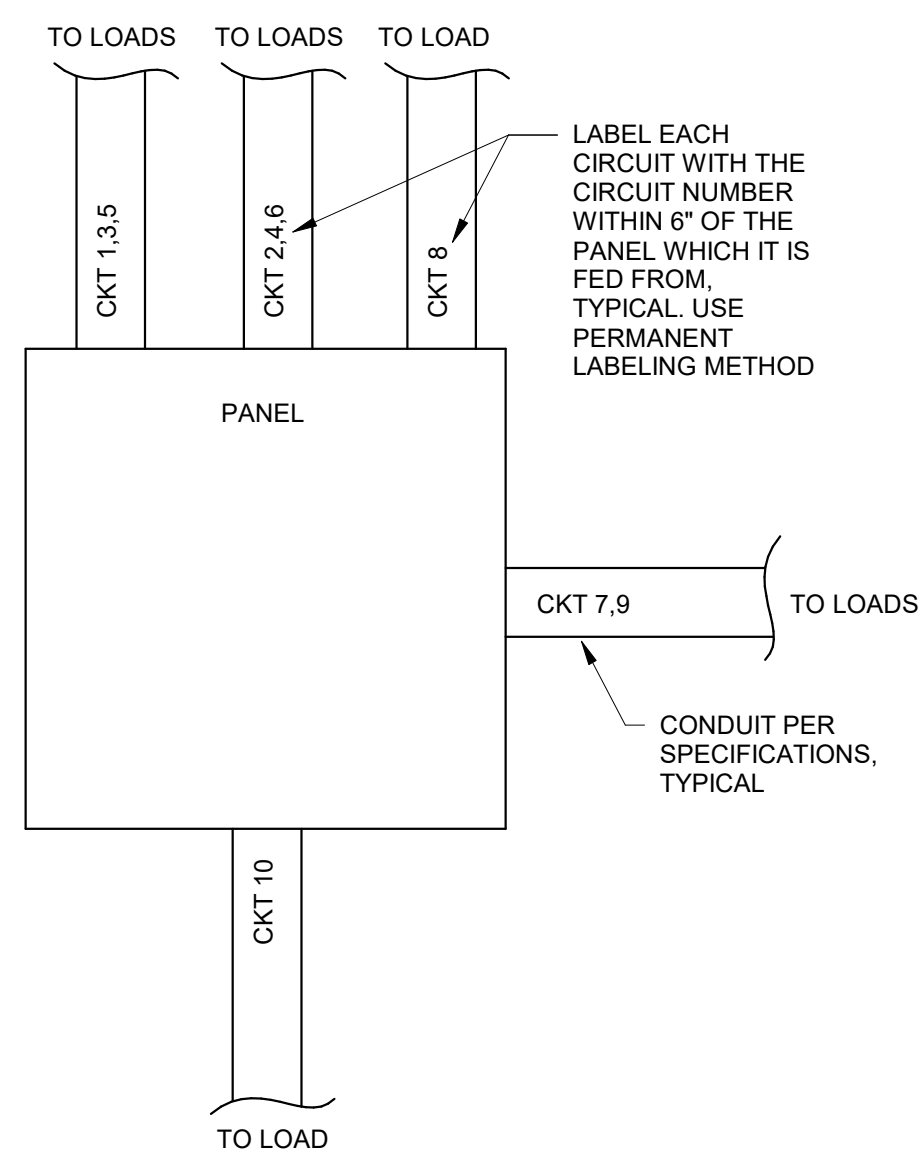
DETAIL - TYPICAL JUNCTION BOX LABELING
 NOT TO SCALE



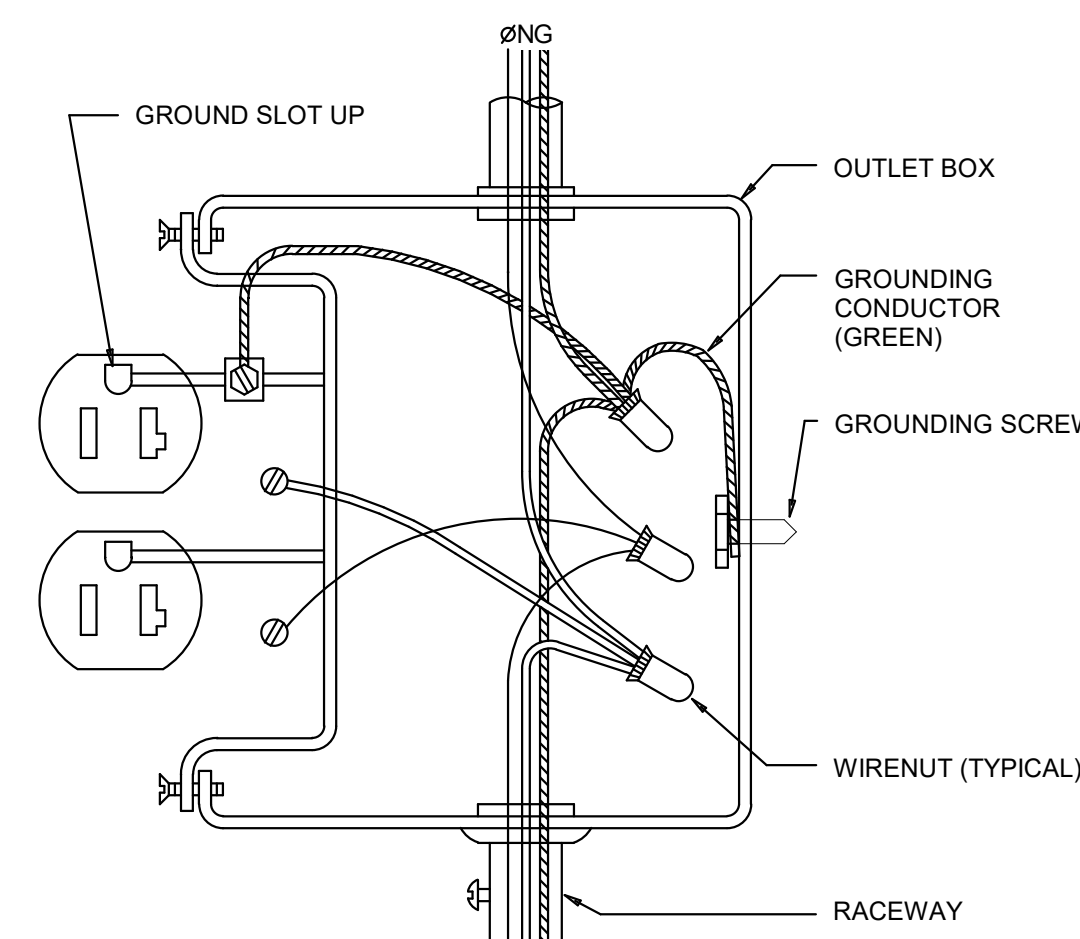
ROOF DISCONNECT MOUNTING DETAIL
 NOT TO SCALE

ROOF DISCONNECT MOUNTING DETAIL KEYNOTES:

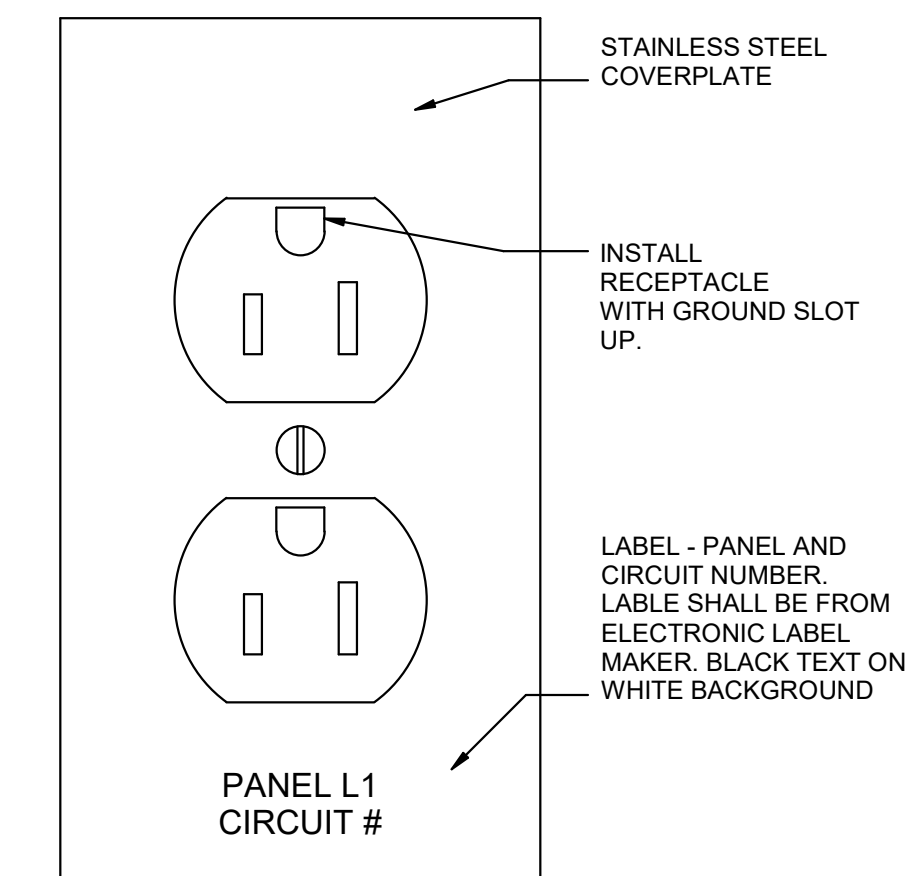
- DISCONNECT SWITCH SHALL BE LOCATED ADJACENT TO (NOT ATTACHED TO) EQUIPMENT AND MEET WORKING CLEARANCES.
- WEATHERPROOF "LB" CONDUIT TO TRANSITION TO LMFC.
- HVAC EQUIPMENT FEEDER IN IMC CONDUIT.
- PROVIDE PITCH POCKET FOR ALL CONDUIT PENETRATIONS.
- WHERE A RECEPTACLE IS SHOWN ON A UNIT: RECEPTACLE OUTLET WITHIN 25 FT. OF EQUIPMENT WITH AN OUTLET BOX HOOD. RECEPTACLE TO BE GFCI-PROTECTED.
- LMFC PER SPECS WITHIN 12" OR LESS OF THE CONNECTION POINT OF THE UNIT.
- SUPPORT RACEWAY WITH GALVANIZED MULTISTRUT PIPE CLAMP WHERE RUN UP THE UNISTRUT.
- ATTACH UNISTRUT TO CURB (NOT EQUIPMENT AND FLASHING). SEAL ALL PENETRATIONS.
- UV RESISTANT UNISTRUT SUPPORT BASE. TYPICAL.
- ADDITIONAL UNISTRUT SUPPORT PERPENDICULAR TO THE UNISTRUT THAT THE DISCONNECT IS ATTACHED TO.
- UNISTRUT SUPPORT ADDED AT 45 DEGREE ANGLE FOR ADDITIONAL SUPPORT.



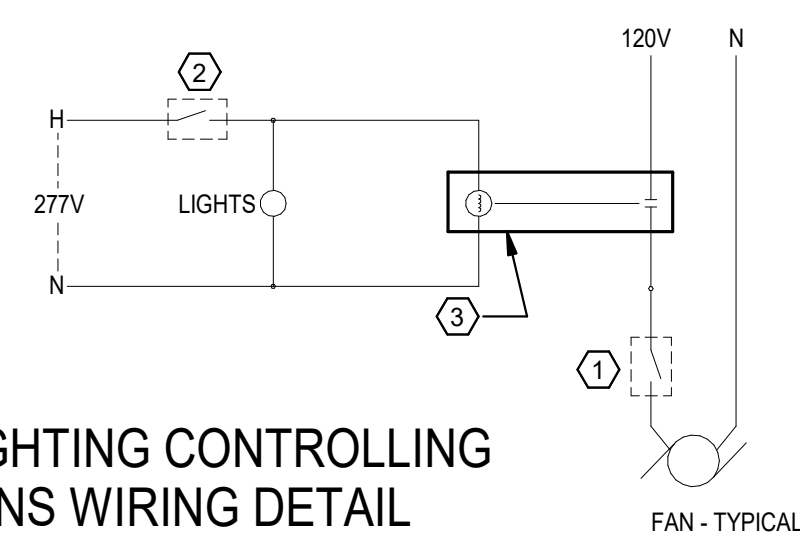
DETAIL - TYPICAL CONDUIT OUT OF PANEL LABELING
 NOT TO SCALE



WIRING DIAGRAM
 TYPICAL RECEPTACLE INSTALLATION
 NO SCALE



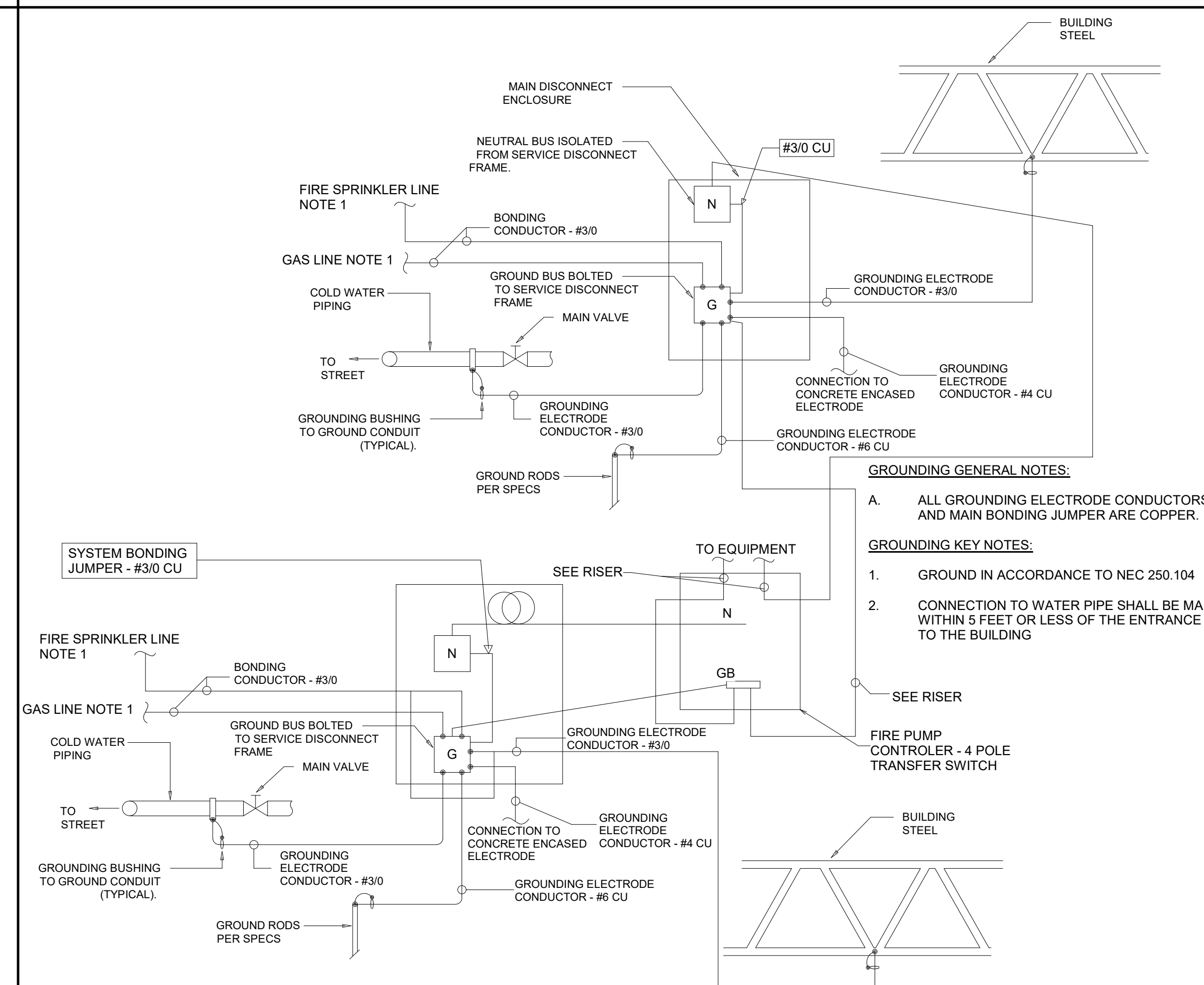
DETAIL
 DUPLEX RECEPTACLE
 NO SCALE



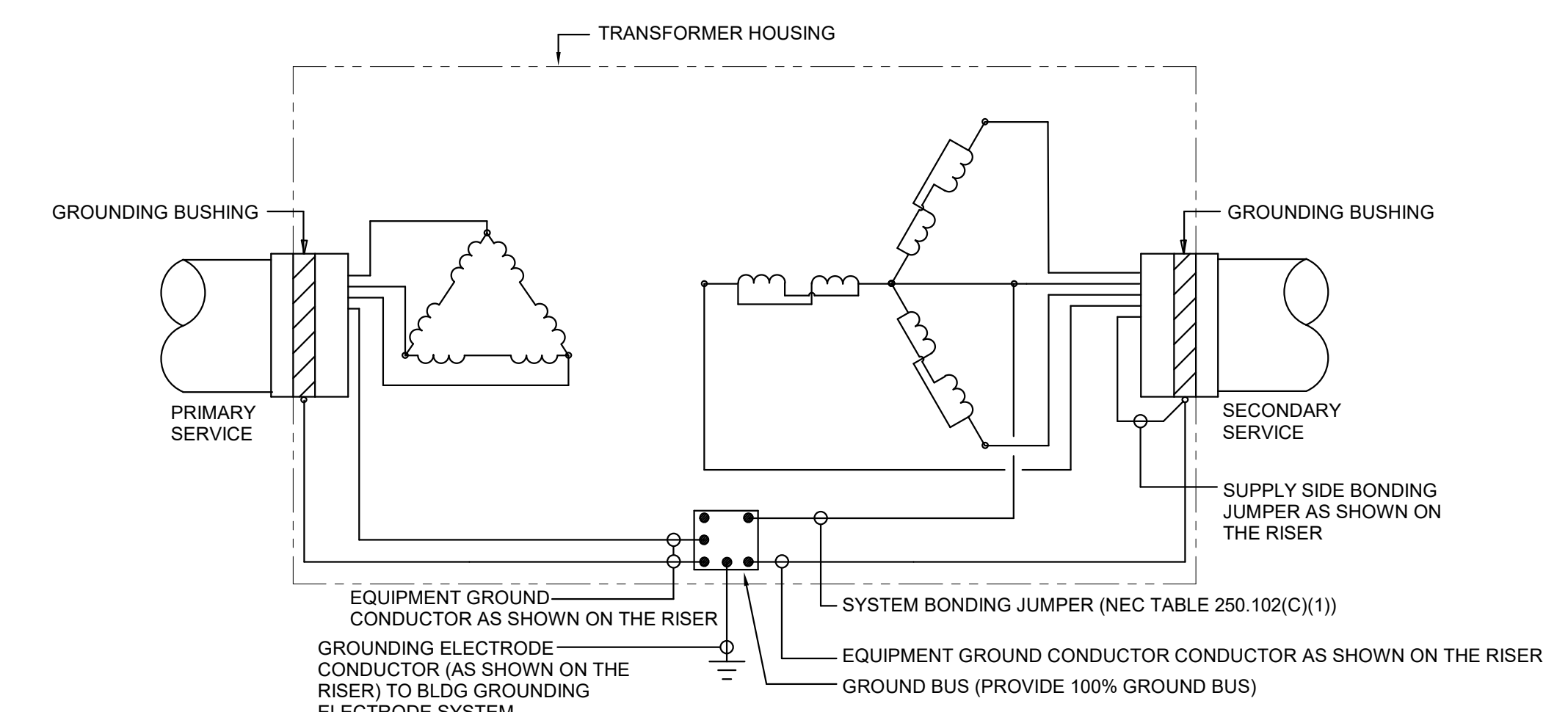
277V LIGHTING CONTROLLING
 120V FANS WIRING DETAIL
 NOT TO SCALE

KEYNOTES:

- LOCAL DISCONNECT PROVIDED WITH EQUIPMENT
- LOCAL LIGHT SWITCH
- RELAY, ELECTRICALLY HELD 20A, 277V COIL.



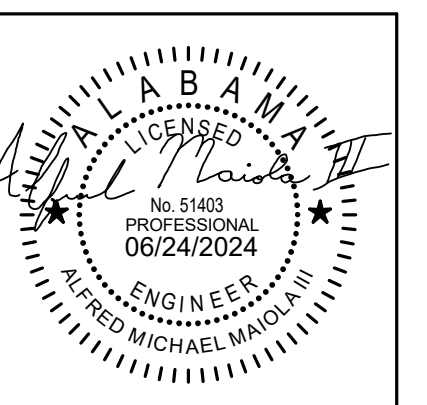
DETAIL - SERVICE GROUNDING
 NOT TO SCALE



DETAIL
 WIRING DIAGRAM DRY-TYPE
 TRANSFORMER GROUNDING
 NO SCALE

SYSTEM BONDING JUMPER SIZES	
TRANSFORMER	GROUND
TX-RP-1	#2 CU
TX-RP-G	#6 CU
TX-SS	#6 CU

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
 13878 US HIGHWAY 11, YORK, AL 36925
 SUMTER COUNTY BOARD OF EDUCATION



SHEET TITLE:
 ELECTRICAL DETAILS

PROJ. MGR.: -- AMM
 DRAWN: DB

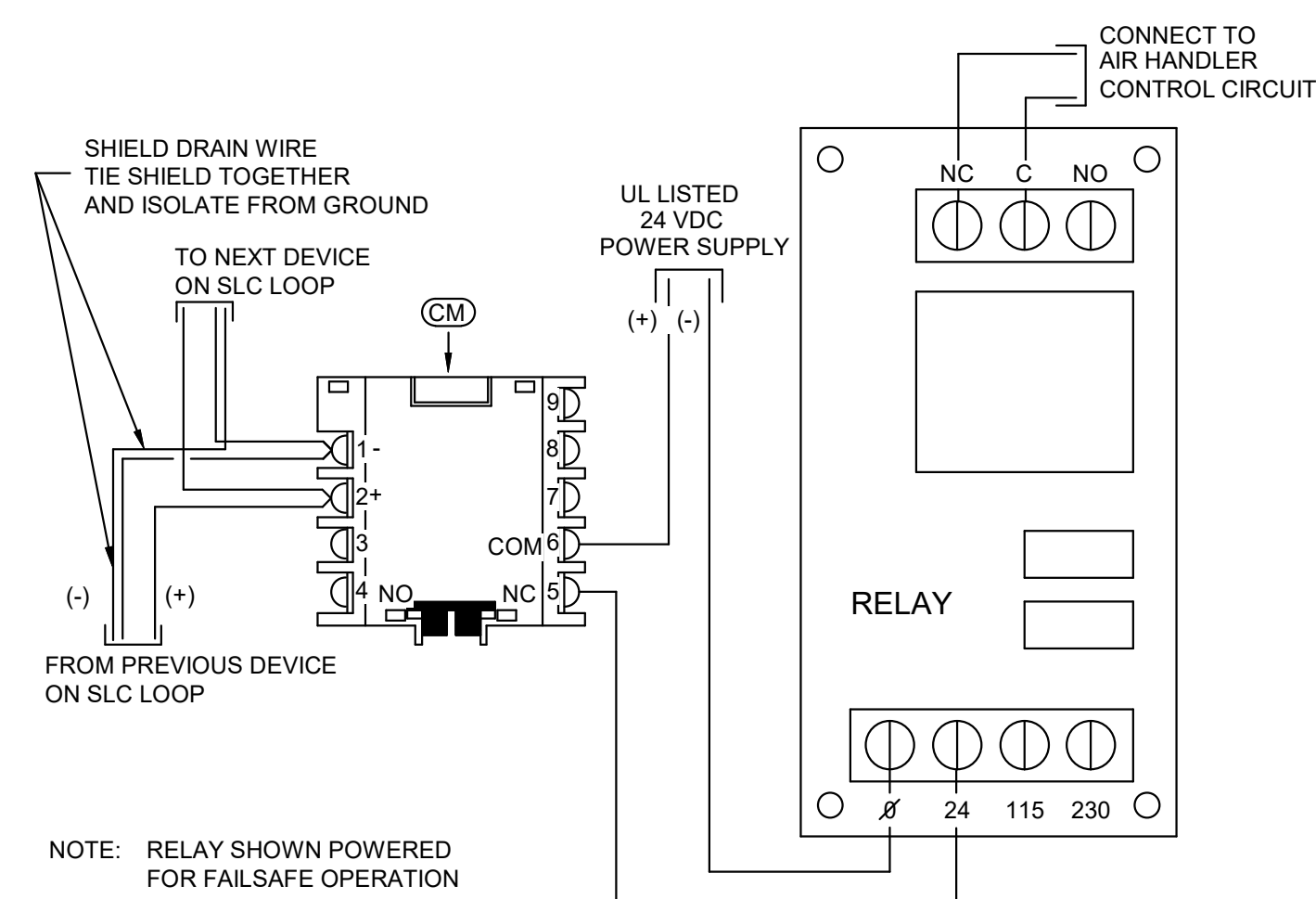
DATE: -- 06/24/24

REVISIONS

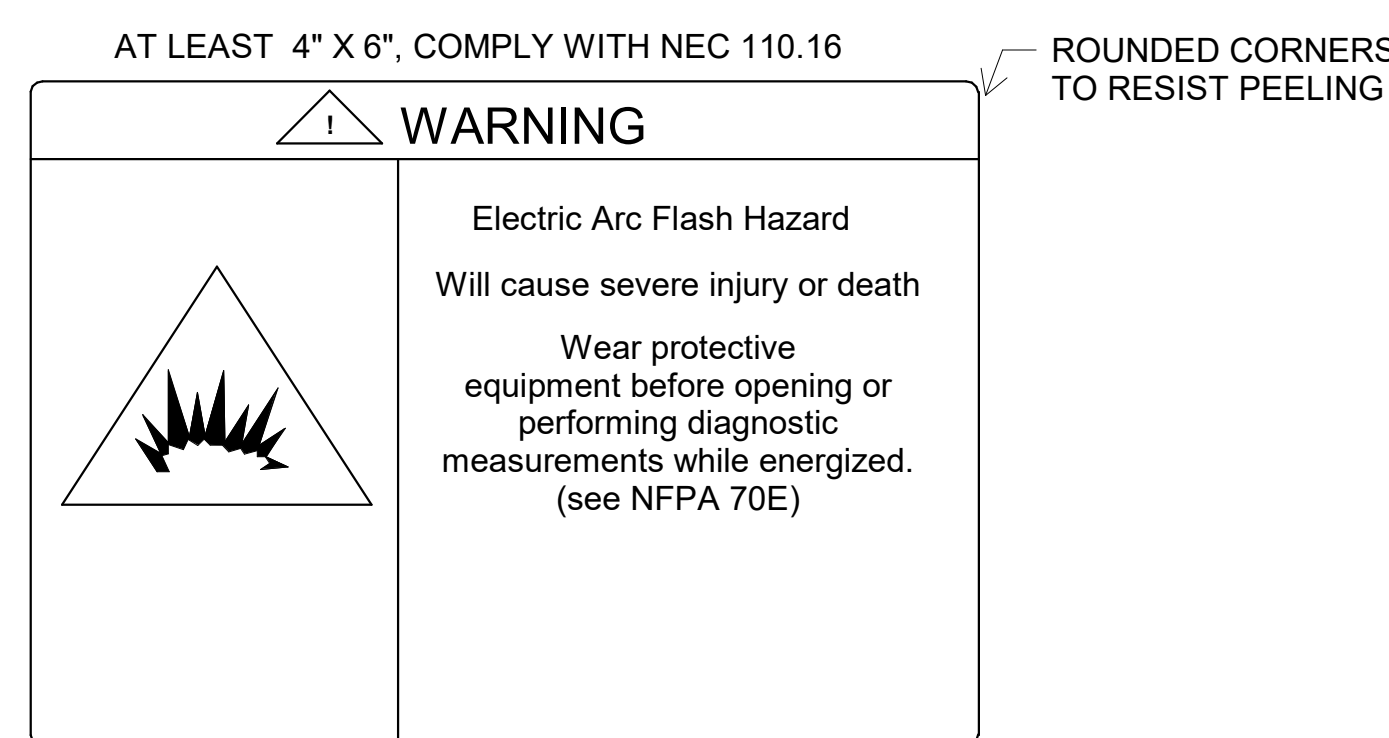
JOB NO. 24-38

SHEET NO. E0.3

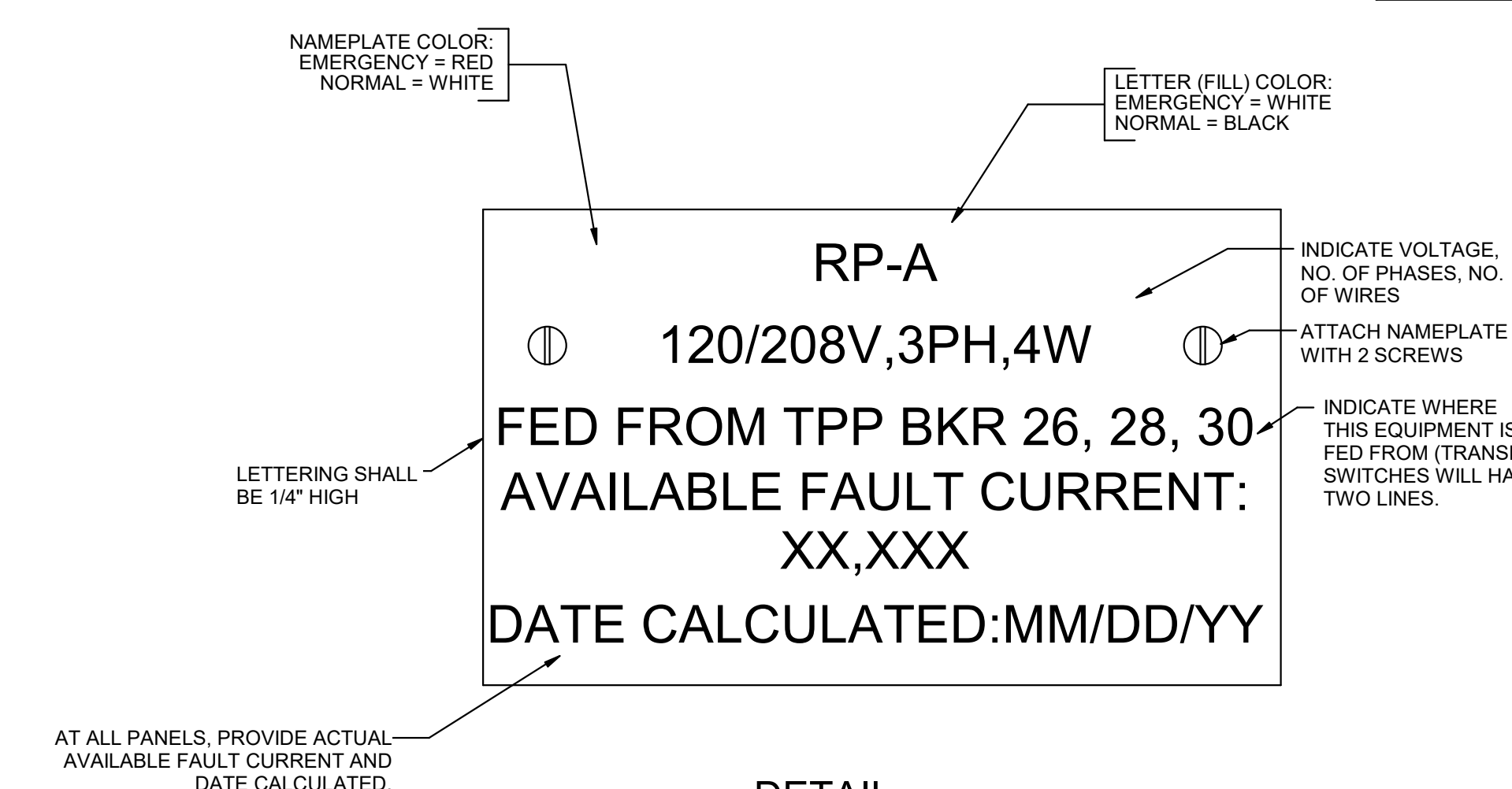
3 OF 20



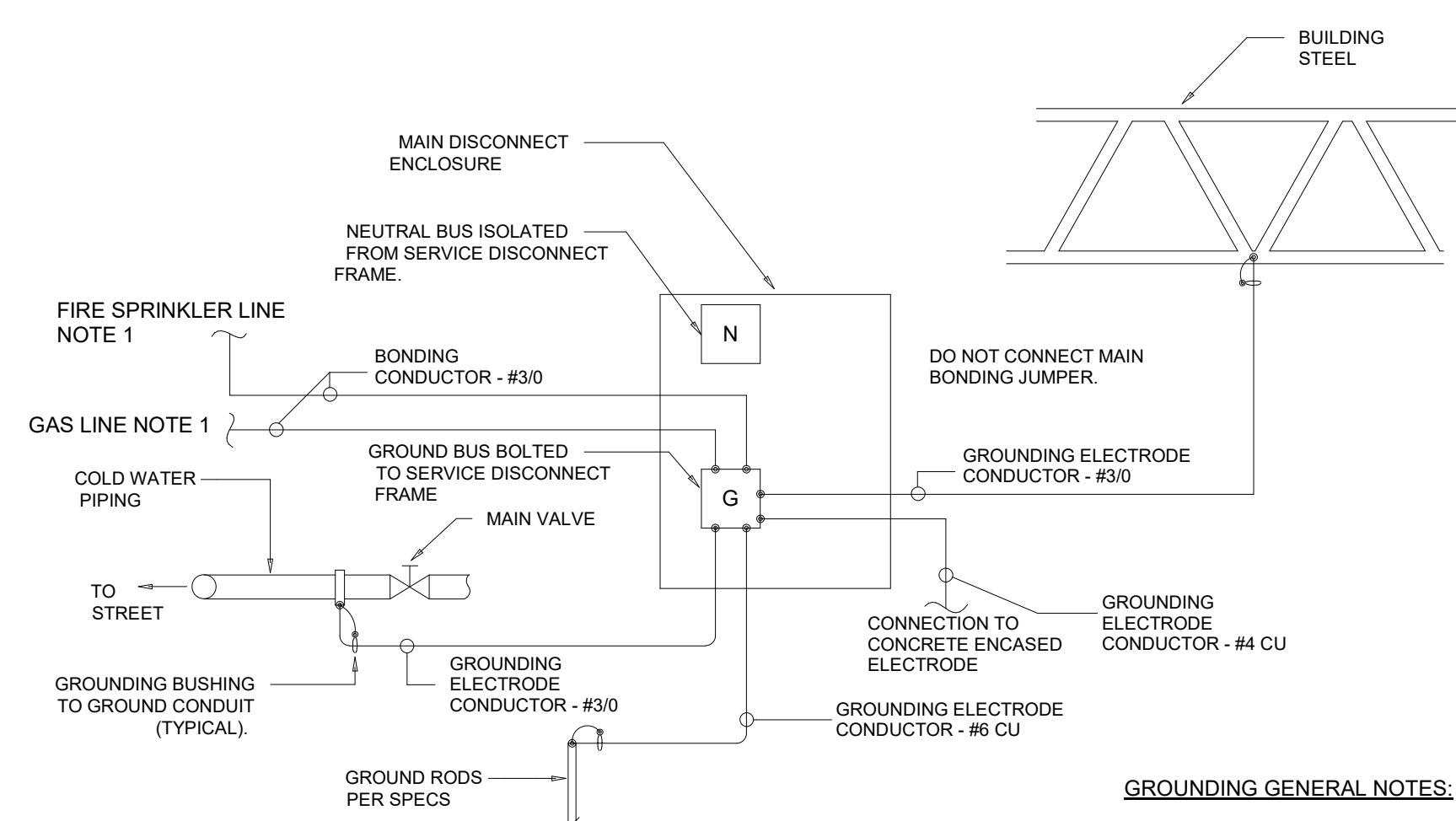
DETAIL - AHU SHUT DOWN
 NOT TO SCALE



ARC FLASH HAZARD-LABEL
 PROVIDE AT ALL ELECTRICAL EQUIPMENT PER SPECIFICATIONS
 NO SCALE



DETAIL ELECTRICAL NAMEPLATE
 NO SCALE



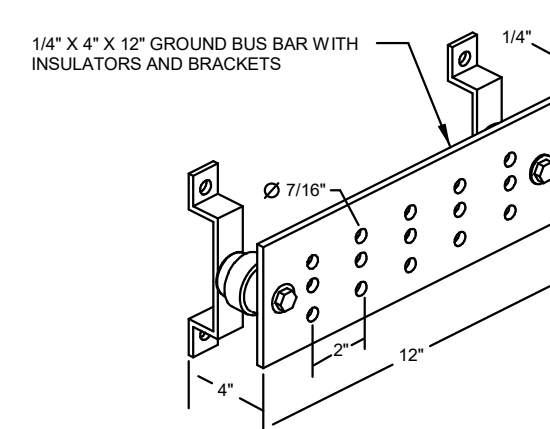
DETAIL - OUTSIDE FEEDER GROUNDING
 NOT TO SCALE

GROUNDING GENERAL NOTES:

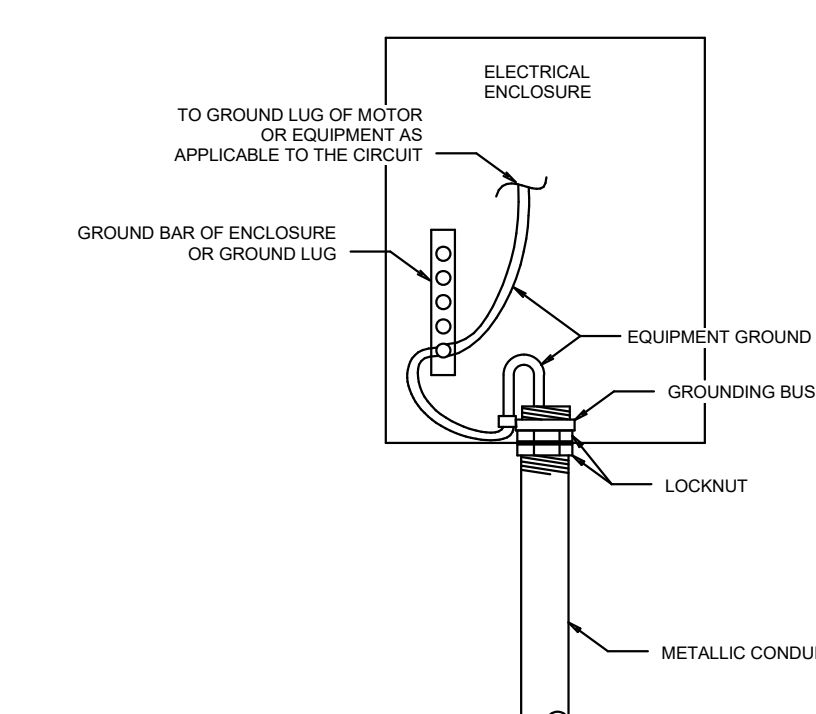
- A. ALL GROUNDING ELECTRODE CONDUCTORS AND MAIN BONDING JUMPER ARE COPPER.

GROUNDING KEY NOTES:

- 1. GROUND IN ACCORDANCE TO NEC 250.104
- 2. CONNECTION TO WATER PIPE SHALL BE MADE WITHIN 5 FEET OR LESS OF THE ENTRANCE TO THE BUILDING



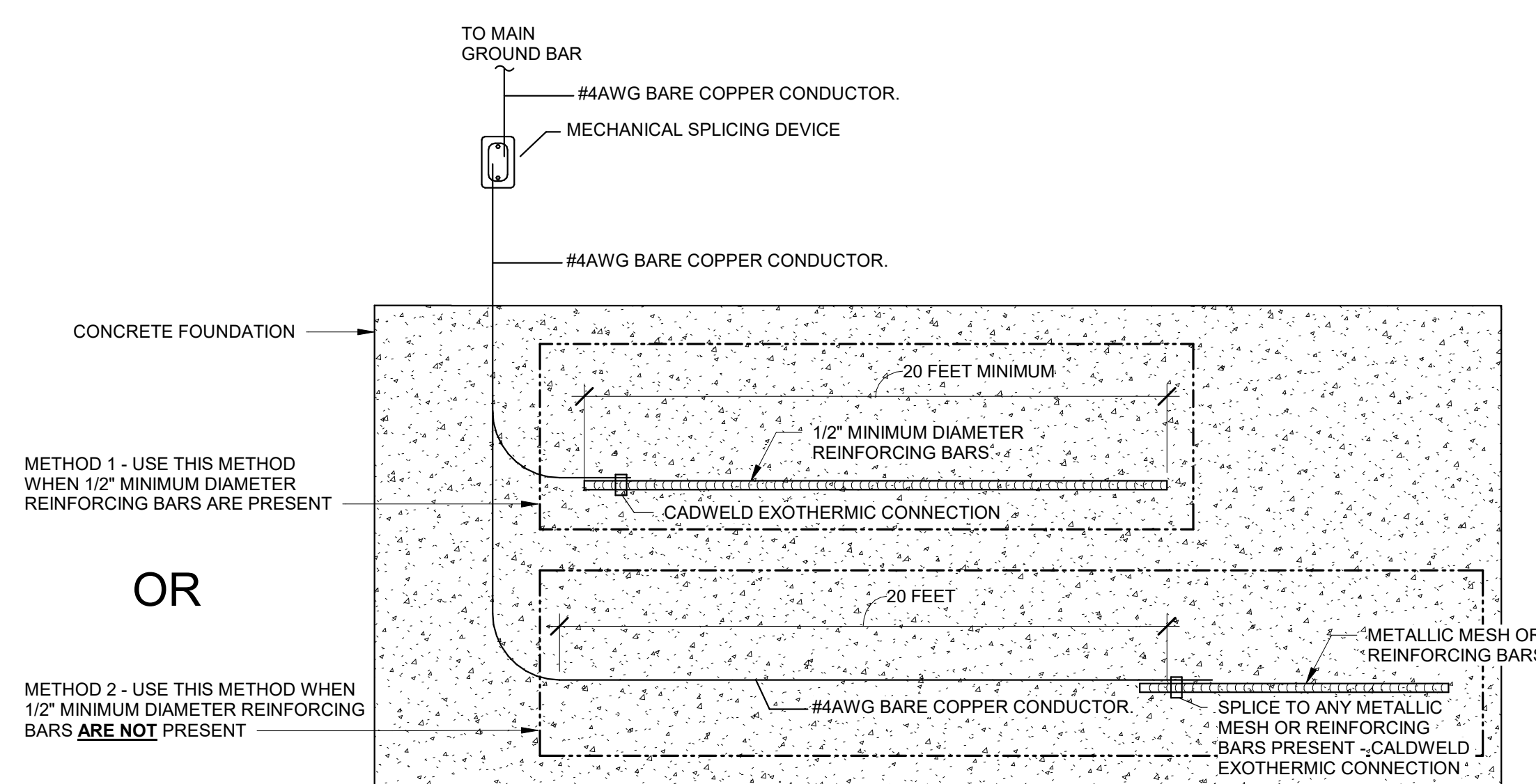
DETAIL TBB GROUND BAR
 NO SCALE



NOTES:

- 1. CURRENT CARRYING CONDUCTORS NOT SHOWN FOR CLARITY.
- 2. APPLY THIS INSTALLATION METHOD FOR ALL METALLIC ELECTRICAL EQUIPMENT/ENCLOSURES WHERE A METALLIC CONDUIT IS TERMINATED IN AN ENCLOSURE IN ANY OF THE FOLLOWING CONDITIONS:
 - a. ALL CIRCUITS OVER 250V TO GROUND (REGARDLESS OF AMPACITY SIZE & REGARDLESS OF KNOCKOUT METHOD).
 - b. AT ANY LOCATION WHERE A LOOSELY JOINTED METAL RACEWAY IS ENCOUNTERED, EC SHALL MAKE CONNECTION AND REPAIR LOOSE CONNECTION WHERE POSSIBLE.
 - c. ALL HAZARDOUS CLASSIFIED LOCATIONS. SEE NEC 250.100.
 - d. ALL CIRCUITS NOT LESS THAN 100A (REGARDLESS OF VOLTAGE).
- 3. ALL FITTINGS, BUSHINGS, RACEWAY, ETC. SHALL BE LISTED.
- 4. EQUIPMENT GROUND OR GROUNDING ELECTRODE SHALL BE SIZED AS SHOWN ON THE DRAWINGS.

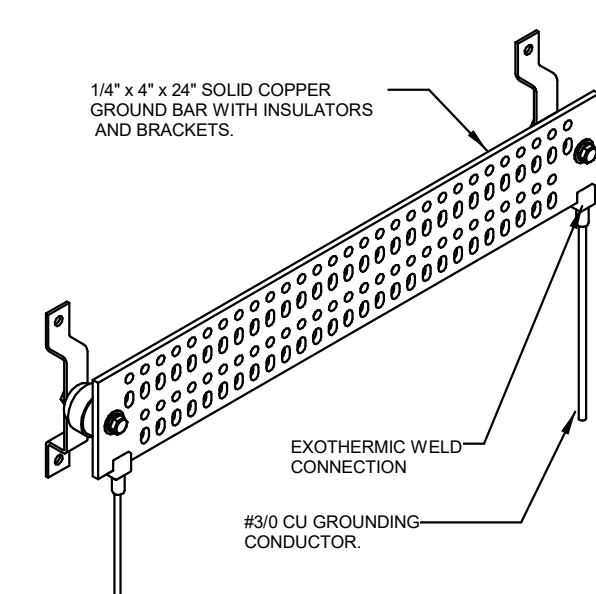
CONDUIT TERMINATION DETAIL
 NO SCALE



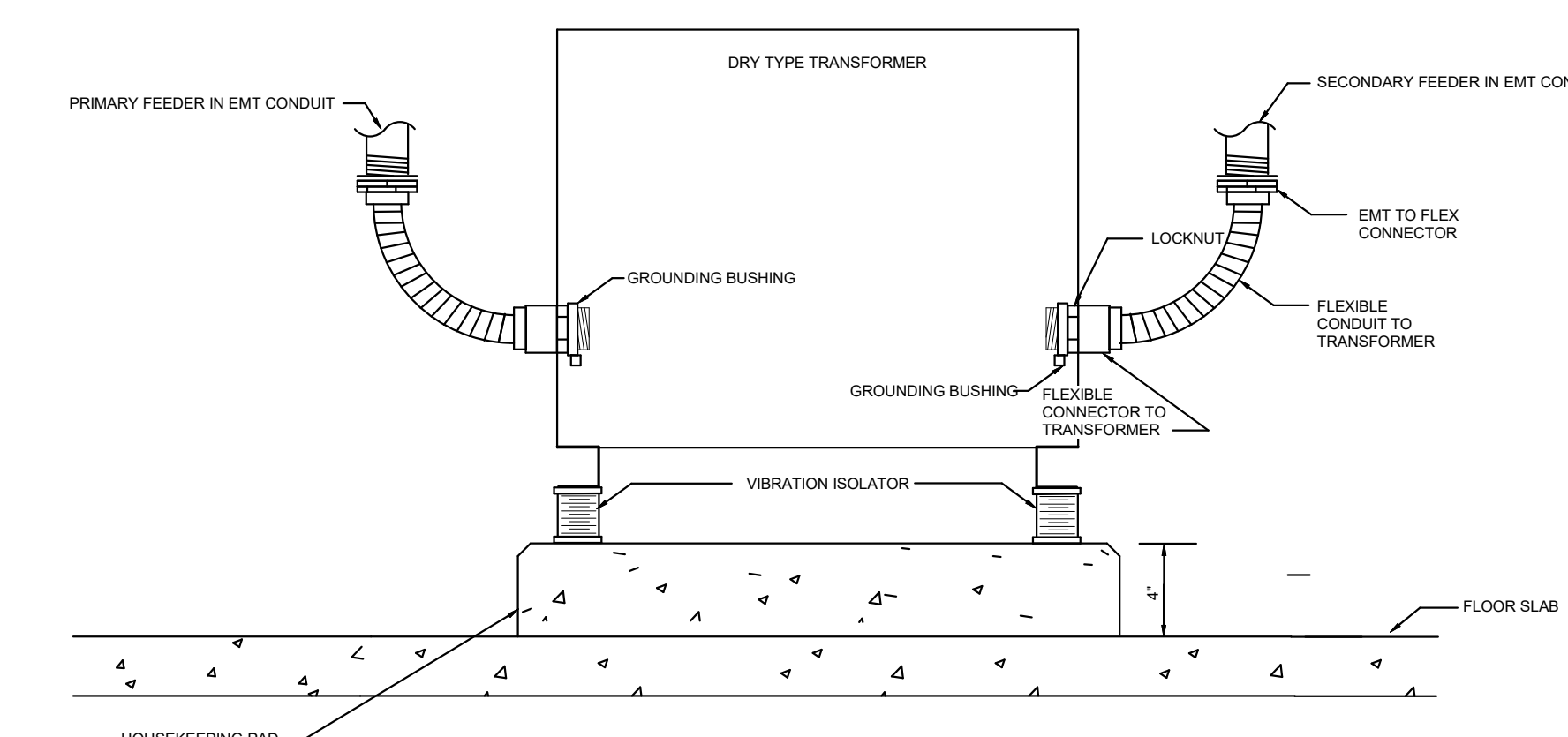
GENERAL NOTES:

- 1. SEE NEC 250.52(A)(3)
- 2. METALLIC COMPONENTS SHALL BE ENCASED BY AT LEAST 2 IN. OF CONCRETE AND SHALL BE LOCATED HORIZONTALLY WITHIN THAT PORTION OF A CONCRETE FOUNDATION OR FOOTING THAT IS IN DIRECT CONTACT WITH THE EARTH OR WITHIN VERTICAL FOUNDATIONS OR STRUCTURAL COMPONENTS OR MEMBERS THAT ARE IN DIRECT CONTACT WITH THE EARTH.
- 3. PROVIDE PHOTO DOCUMENTATION OF CONNECTION AT THE TIME OF INSTALLATION.

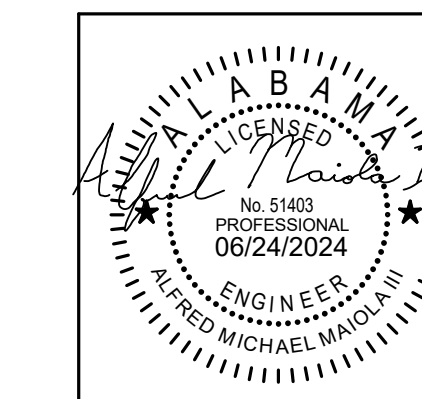
DETAIL - UFER GROUNDING
 NOT TO SCALE



DETAIL MSGB GROUND BAR
 NO SCALE



DETAIL CONDUIT TERMINATION WITH FLEXIBLE CONNECTION TO TRANSFORMER
 NO SCALE

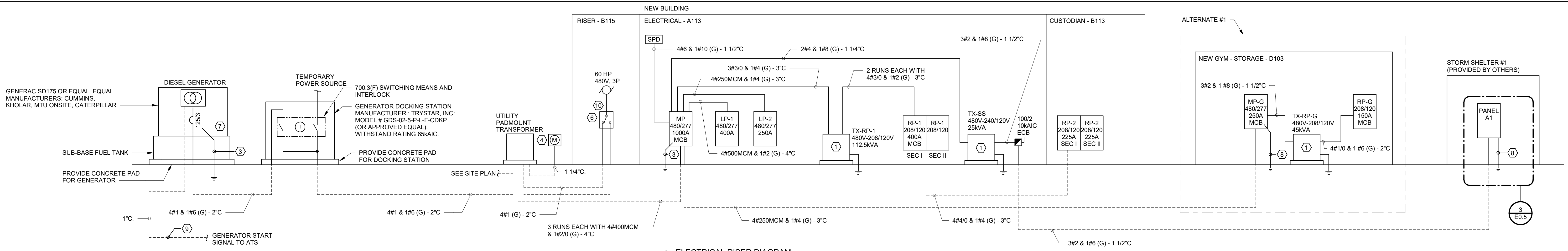


SHEET TITLE:
 ELECTRICAL DETAILS

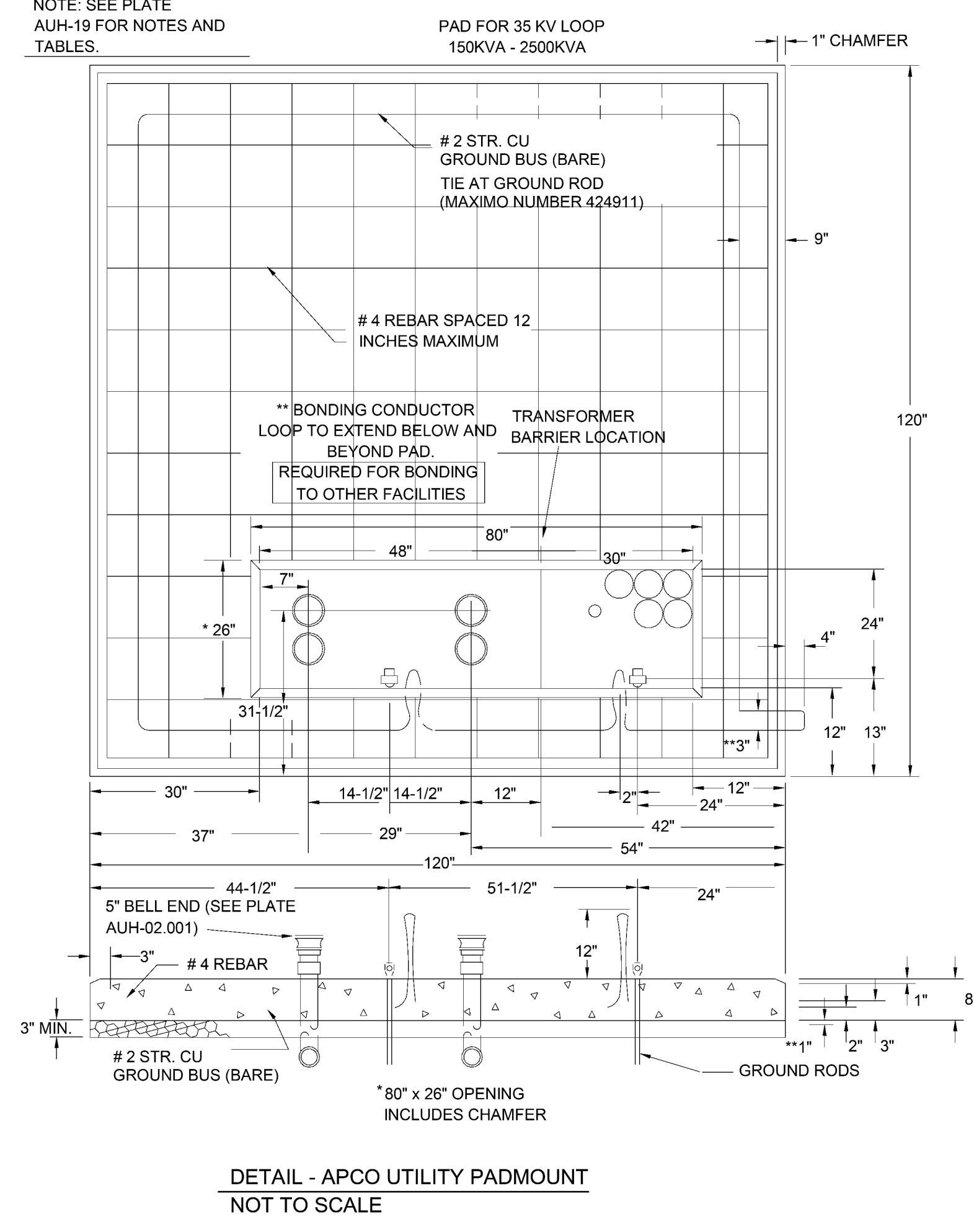
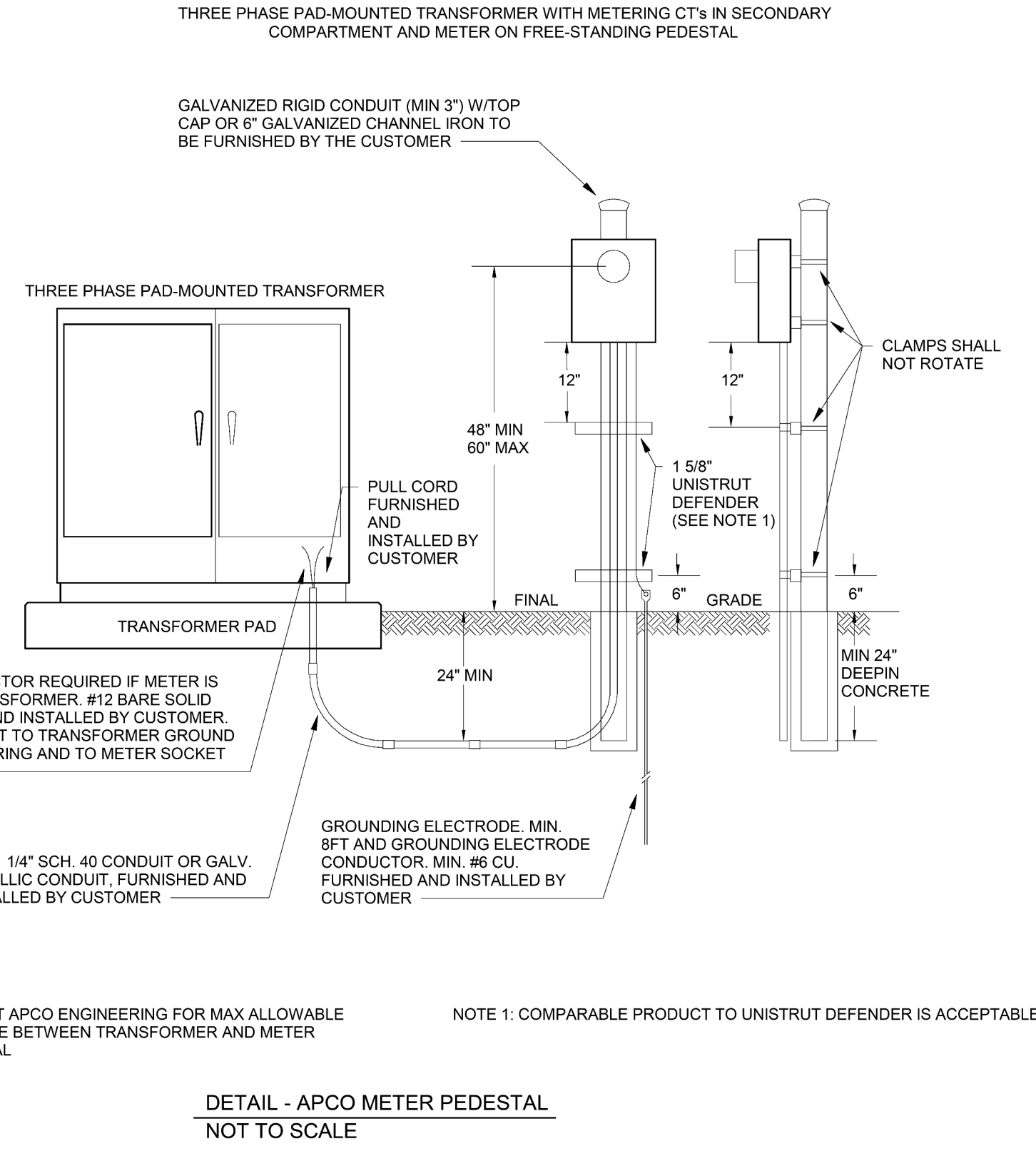
PROJ. MGR.:	AMM
DRAWN:	DB
DATE:	06/24/24
REVISIONS	

JOB NO. 24-38

SHEET NO.
E0.4



- 1 ELECTRICAL RISER DIAGRAM NOT TO SCALE**
- RISER DIAGRAM KEYNOTES:**
- SEE WIRING DIAGRAM DRY-TYPE TRANSFORMER GROUNDING DETAIL. PROVIDE 4" HOUSEKEEPING PAD WITH CHAMFERED EDGES (1") MOUNT WITH VIBRATION ISOLATORS. SEE CONDUIT TERMINATION WITH FLEXIBLE CONNECTION TO TRANSFORMER DETAIL.
 - CONCEAL CONDUIT AS MUCH AS POSSIBLE. STUB OUT OF BUILDING AND SURFACE MOUNT ALONG EXISTING EXTERIOR WALL TO TRANSITION TO UNDERGROUND. MINIMIZE SURFACE MOUNTED CONDUIT AND RUN UNDERGROUND FROM EXISTING BUILDING TO NEW BUILDING TO COMPLETE THE CONNECTION.
 - SEE SERVICE GROUNDING DETAIL.
 - UTILITY METER PER UTILITY SPECIFICATIONS. COORDINATE SPECIFICATIONS AND REQUIREMENTS WITH UTILITY. SEE DETAIL.
 - MOUNT SURGE SUPPRESSOR ADJACENT TO PANEL. LEAD LENGTH NOT TO EXCEED 12 INCHES.
 - FIRE PUMP CONTROLLER AND FIRE PUMP (RESPECTIVELY). COORDINATE WITH EQUIPMENT PROVIDER.
- RISER DIAGRAM KEYNOTES (CONTINUED):**
- DIESEL GENERATOR WITH SUB-BASE TANK 175KW, 219KVA WITH 12 HOURS OF RUNTIME. UNIT SHALL INCLUDE A WEATHERPROOF SOUND ATTENUATED ENCLOSURE.
 - SEE GROUNDING DETAIL - OUTSIDE FEEDER.
 - CONTROL CONDUCTORS INSTALLED BETWEEN THE FIRE PUMP POWER TRANSFER SWITCH AND THE STANDBY GENERATOR SUPPLYING THE FIRE PUMP DURING NORMAL POWER LOSS SHALL BE KEPT ENTIRELY INDEPENDENT OF ALL OTHER WIRING. THE INTEGRITY OF THE GENERATOR REMOTE START CIRCUIT SHALL BE MONITORED FOR BROKEN, DISCONNECTED, OR SHORTED WIRES. LOSS OF INTEGRITY SHALL START THE GENERATOR(S). PROVIDE CABLE AS RECOMMENDED BY THE MANUFACTURER. PROVIDE 3 WIRE START CIRCUIT.
 - A LISTED SURGE PROTECTION DEVICE SHALL BE INSTALLED IN OR ON THE FIRE PUMP CONTROLLER. COORDINATE WITH FIRE PROTECTION CONTRACTOR AND CONNECT/INSTALL AS REQUIRED.
- GENERAL NOTES:**
- A. SEE PANEL SCHEDULES FOR ALL BREAKERS



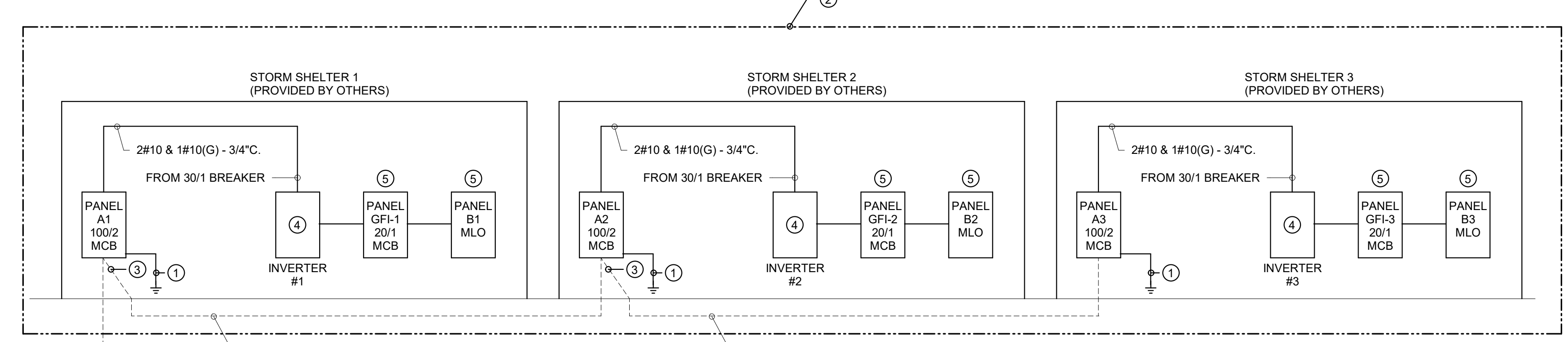
Panel: MP		Enclosure: NEMA 1		Volts: 480/277 Wye		Bus Rating: 1000 A		A.I.C. Rating: 42,000						
Location: ELECTRICAL - A113		Mounting: SURFACE		Phases: 3		Main Device Type: MCB		Fault Current: 36166						
Fed From: UTILITY				Wires: 4										
Ckt	Description	Ckt Notes	Load Class	Trip (A)	Poles	Phase Load (VA)			Poles	Trip (A)	Load Class	Ckt Notes	Description	Ckt
1	LP-1			400	3	66141	43434		3	200			TX-RP-1	2
3						65669	38895							4
5						65459	37651							6
7	LP-2			250	3	38665	6426			3	50	HVAC	RTU-ADMIN	8
9						39595	6426							10
11														12
13	RTU-2			60	3	10415	10415			3	60	HVAC	RTU-1	14
15														16
17														18
19	RTU-3			50	3	6426	6360			3	50	HVAC	ERLU-2	20
21														22
23														24
25	ERLU-3			50	3	6360	6360			3	50	HVAC	ERLU-1	26
27														28
29														30
31	MP-G			250	3	31449				1			Space	32
33										1			Space	34
35										1			Space	36
37	Space									1			Space	38
39	Space									1			Space	40
41	Space									1			Space	42
Total Phase Connected Load (VA):						234438	226242	224769						
Total Phase Connected Current (A):						847	818	811						
Load Classification		Connected Load (VA)		Demand Factor		Demand Load (VA)		Panel Totals:						
Electric Clothes Dryer	5000 VA	100.00%	5000 VA			5000 VA		Total Connected Load (VA): 685445 VA						
Heating	13000 VA	100.00%	13000 VA			13000 VA		Total Demand Load (VA): 654641 VA						
Lighting	23080 VA	125.00%	28851 VA			28851 VA		Total Connected Current (A): 824 A						
Lighting - Exterior	1458 VA	125.00%	1824 VA			1824 VA		Highest Connected Phase Current (A): 847 A						
Motor	298523 VA	101.17%	302030 VA			302030 VA		Total Demand Current (A): 787 A						
Power	7112 VA	100.00%	7112 VA			7112 VA								
Receptacle	90780 VA	55.51%	50390 VA			50390 VA								
HVAC	246724 VA	100.00%	246724 VA			246724 VA								

Notes:

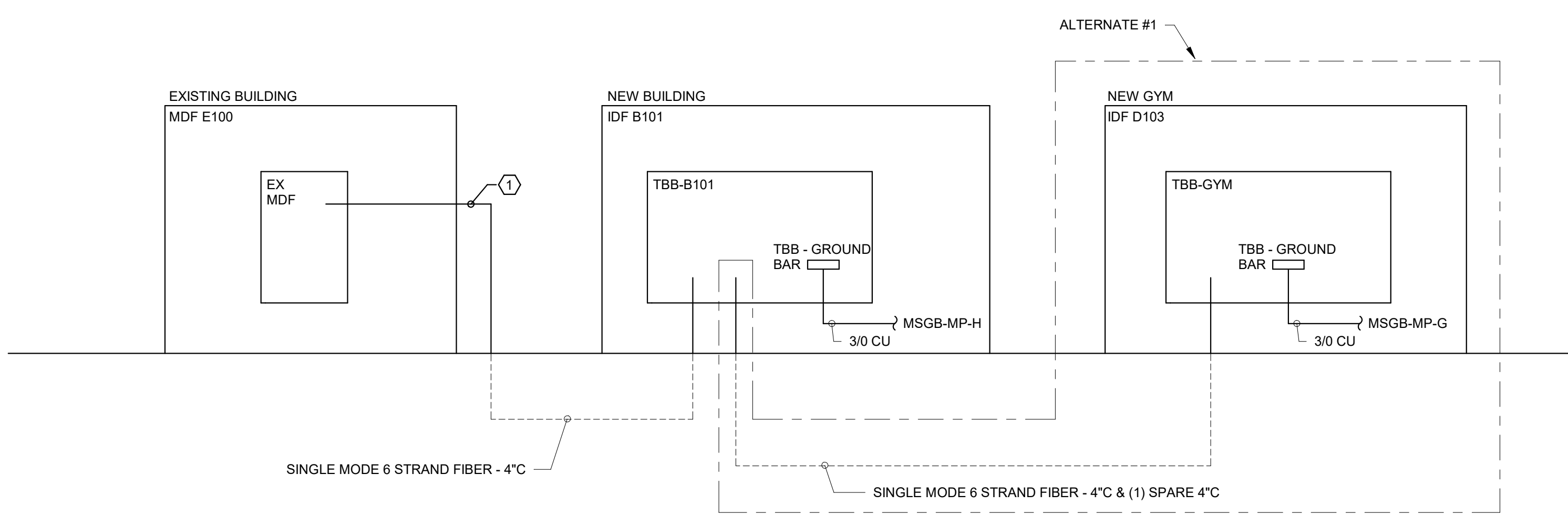
A. UL LISTED FOR SERVICE ENTRANCE
 B. DEMAND LOAD PER NEC 220.86 = 656 AMPS

Circuit Notes:

SEE NOTE B

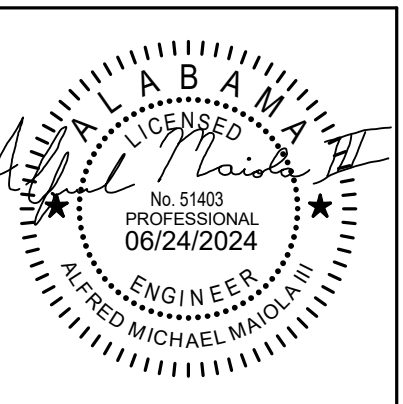


- STORM SHELTER RISER DIAGRAM KEYNOTES:**
- GROUND PER NEC (SEE DETAIL). DO NOT BOND NEUTRAL AND GROUND AT THIS PANEL. (BY EC)
 - UNLESS OTHERWISE NOTED, ALL PANELS/EQUIPMENT/WORK IS PROVIDED BY OTHERS IN THE PRE-MANUFACTURED STORM SHELTER UNIT. COORDINATE WITH STORM SHELTER/EQUIPMENT PROVIDER FOR EXACT LOCATIONS. STORM SHELTER RISER SHOWN FOR REFERENCE.
 - CONNECT FROM LISTED DOUBLE LUGS. CONNECTION BY EC.
 - INVERTER WITH 2 HOUR RUN TIME MINIMUM.
 - FEEDS ALL REQUIRED STANDBY LIGHTING AND VENTILATION FANS. SEE STORM SHELTER DRAWINGS.



- STRUCTURED CABLING RISER DIAGRAM KEYNOTE:**
- CONCEAL CONDUIT AS MUCH AS POSSIBLE. STUB OUT OF BUILDING AND SURFACE MOUNT ALONG EXISTING EXTERIOR WALL TO TRANSITION TO UNDERGROUND. MINIMIZE SURFACE MOUNTED CONDUIT AND RUN UNDERGROUND FROM EXISTING BUILDING TO NEW BUILDING TO COMPLETE THE CONNECTION.

ELEMENTARY ADDITION TO
SUMNER CENTRAL HIGH SCHOOL
 13878 US HIGHWAY 11, YORK, AL 36925
 SUMNER COUNTY BOARD OF EDUCATION



SHEET TITLE:
 ELECTRICAL RISER DIAGRAM

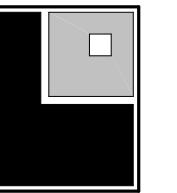
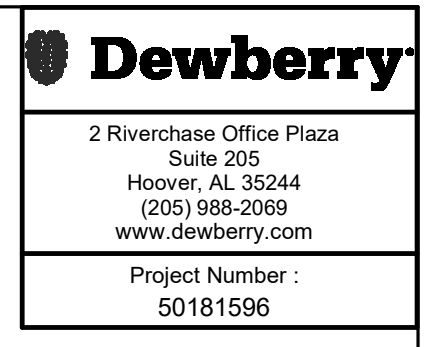
PROJ. MGR.: -- AMM
 DRAWN: -- DB

DATE: -- 06/24/24

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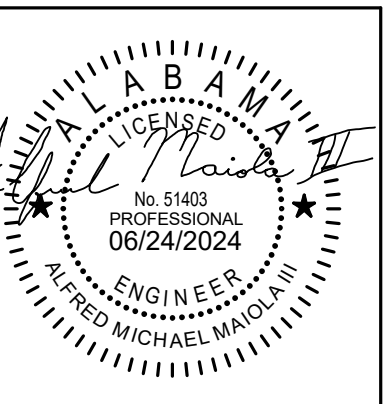
JOB NO. 24-38

SHEET NO. E0.5



LATHAN ARCHITECTS

ELEMENTARY ADDITION TO SUMNER CENTRAL HIGH SCHOOL 13878 US HIGHWAY 11, YORK, AL 36925 SUMNER COUNTY BOARD OF EDUCATION



SHEET TITLE: ELECTRICAL PANELBOARD SCHEDULES

PROJ. MGR.: -- AMM
DRAWN: DB
DATE: -- 06/24/24
REVISIONS:

JOB NO. 24-38

SHEET NO. E0.6

Panel: RP-3, Enclosure: NEMA 1, Location: ELECTRICAL - A113, Bus Rating: 250A, A.I.C. Rating: 25,000. Panel board schedule with columns for Ckt, Description, Load, Trip, Poles, and various load classifications.

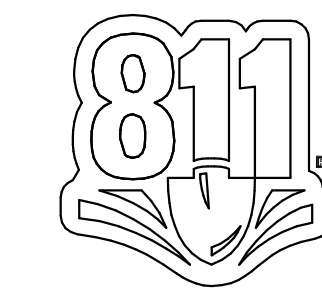
Panel: RP-G, Enclosure: NEMA 1, Location: STORAGE - D103, Bus Rating: 225 A, A.I.C. Rating: 10,000. Panel board schedule with columns for Ckt, Description, Load, Trip, Poles, and various load classifications.

Panel: RP-1, Enclosure: NEMA 1, Location: ELECTRICAL - A113, Bus Rating: 400A, A.I.C. Rating: 10,000. Panel board schedule with columns for Ckt, Description, Load, Trip, Poles, and various load classifications.

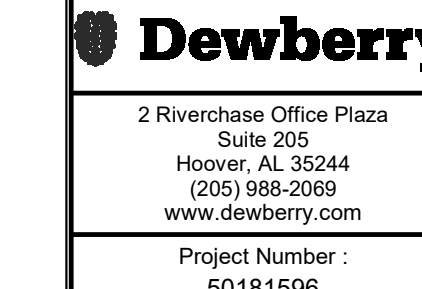
Panel: LP-1, Enclosure: NEMA 1, Location: ELECTRICAL - A113, Bus Rating: 400A, A.I.C. Rating: 42,000. Panel board schedule with columns for Ckt, Description, Load, Trip, Poles, and various load classifications.

Panel: RP-2, Enclosure: NEMA 1, Location: CUSTODIAN - B104, Bus Rating: 225 A, A.I.C. Rating: 10,000. Panel board schedule with columns for Ckt, Description, Load, Trip, Poles, and various load classifications.

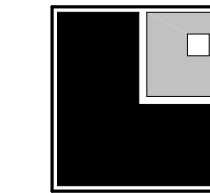
Panel: LP-2, Enclosure: NEMA 1, Location: ELECTRICAL - A113, Bus Rating: 250A, A.I.C. Rating: 42,000. Panel board schedule with columns for Ckt, Description, Load, Trip, Poles, and various load classifications.



Know what's below.
Call before you dig.

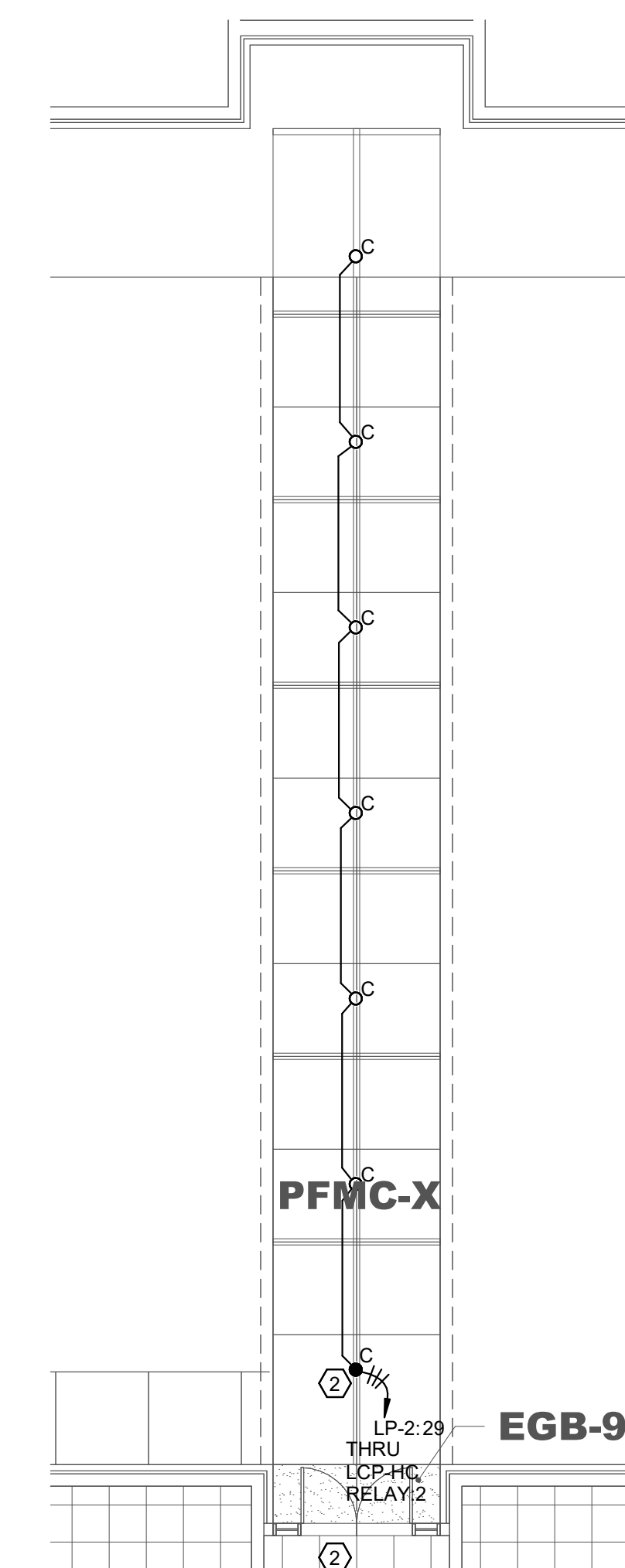


2 Riverchase Office Plaza
Suite 205
Hoover, AL 35244
(205) 988-2000
www.dewberry.com
Project Number:
50181596

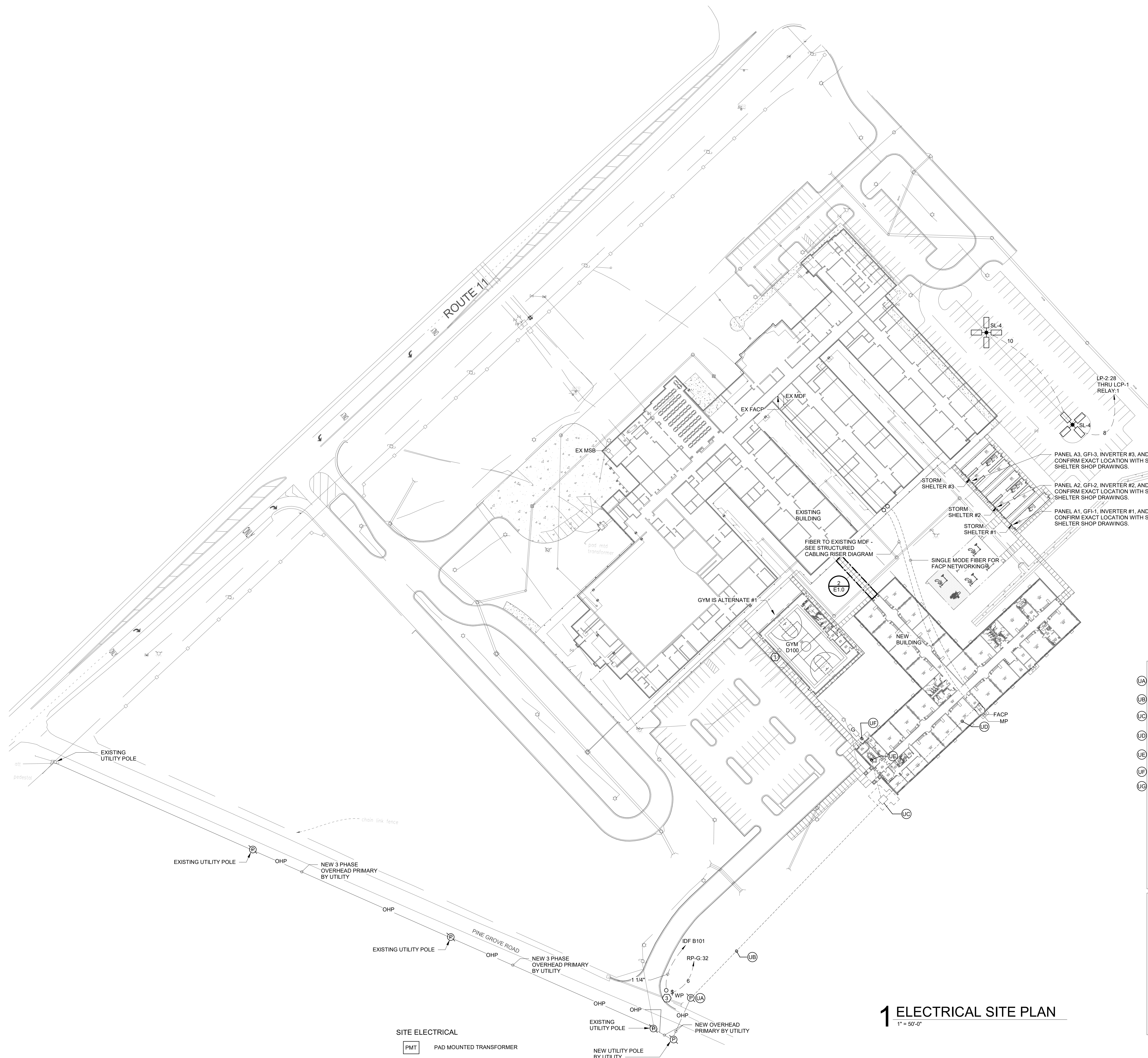


LATHAN
ARCHITECTS

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION



2 LIGHTING - SITE CANOPY ENLARGED
1/8" = 1'-0"



1 ELECTRICAL SITE PLAN
1" = 50'-0"

SITE ELECTRICAL

- PAD MOUNTED TRANSFORMER
- GENERATOR (OUTDOOR ENCLOSURE)
- UTILITY POLE

SHEET NOTES

- 1 AS A PART OF ALTERNATE NUMBER 1, COORDINATE WITH CIVIL TO DEMOLISH EXISTING LIGHT POLE. INTERCEPT, EXTEND, AND REROUTE EXISTING SITE LIGHTING CIRCUIT TO MAKE THE CIRCUIT CONTINUOUS TO OTHER POLES.
- 2 PROVIDE WITH CONCEALED, REMOTE BATTERY PACK FOR EMERGENCY EGRESS. MOUNT ABOVE NEAREST ACCESSIBLE CEILING. PROVIDE SURF-LITE EPLD HW OR EQUAL.
- 3 FOR POWER AND DATA TO MONUMENT SIGN. CONFIRM LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. PROVIDE DATA CABLES AS RECOMMENDED BY SIGNAGE PROVIDER. PROVIDE UL LISTED WIRE ADAPTERS TO ACCOUNT FOR VOLTAGE DROP.

SITE POWER AND TELEPHONE NOTES:

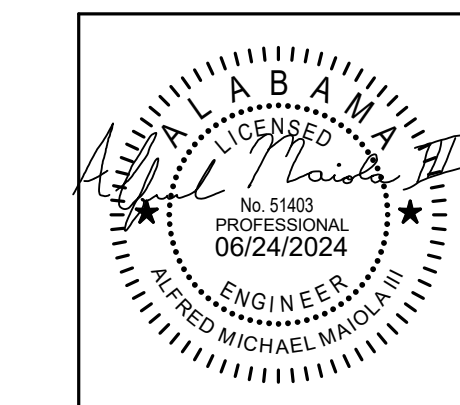
- 1A STUB-OUT AND TERMINATE PER UTILITY COMPANY REQUIREMENTS. VERIFY LOCATION OF HIGH VOLTAGE SERVICE POINT PRIOR TO BIDDING AND INCLUDE ALL COST IN BID.
- 1B (2)-5" FOR HIGH VOLTAGE SERVICE - VERIFY LOCATION AND ROUTING. HIGH VOLTAGE CONDUIT SHALL BE 48" DEEP.
- 1C TRANSFORMER SLAB-BOX WITH TRAFFIC GUARDS PER UTILITY COMPANY REQUIREMENTS. VERIFY SIZE, LOCATION AND ORIENTATION WITH UTILITY COMPANY.
- 1D SECONDARY FROM TRANSFORMER TO MAIN DISCONNECT. VERIFY ROUTING WITH UTILITY COMPANY AND ROUTE TO CLEAR STRUCTURAL FOOTING. SEE RISER DIAGRAM.
- 1E SECONDARY FROM TRANSFORMER TO FIRE PUMP CONTROLLER. VERIFY ROUTING WITH UTILITY COMPANY AND ROUTE TO CLEAR STRUCTURAL FOOTING. SEE RISER DIAGRAM.
- 1F GENERATOR FEED TO FIRE PUMP CONTROLLER. ROUTE TO CLEAR STRUCTURAL FOOTING.
- 1G CONCEAL CONDUIT AS MUCH AS POSSIBLE. STUB OUT OF BUILDING AND SURFACE MOUNT ALONG EXISTING EXTERIOR WALL TO TRANSITION TO UNDERGROUND. MINIMIZE SURFACE MOUNTED CONDUIT AND RUN UNDERGROUND FROM EXISTING BUILDING TO NEW BUILDING TO COMPLETE THE CONNECTION. CONFIRM EXACT LOCATION FOR SURFACE MOUNTING AND FIELD VERIFY CONDUIT ROUTE PRIOR TO ROUGH-IN.

1. ALL UTILITY SERVICE SHALL BE VERIFIED WITH THE UTILITY COMPANIES PRIOR TO BIDDING AND ALL RESULTING COSTS SHALL BE INCLUDED IN BID.
2. ACTUAL INSTALLATION OF ALL UTILITY SERVICES SHALL BE ACCORDING TO FINAL UTILITY COMPANY PLANS. SEE "UTILITY NOTES".
3. **UTILITY CONTACTS:**
ELECTRIC UTILITY - ALABAMA POWER COMPANY - CHARLES ELLEDGE;
CELLEDGE@SOUTHERNCO.COM; 1-334-289-6541

UTILITY NOTES:

FOR POWER SERVICE:

- A. CONTRACTOR WILL PROVIDE (2)-5" FOR HIGH VOLTAGE CIRCUITS FROM PROPERTY LINE TO TRANSFORMER SLABS. CONDUIT TO BE 48" DEEP AND TERMINATED IN ACCORDANCE WITH UTILITY COMPANY REQUIREMENTS INCLUDING TRENCHING AND BACKFILL TO 90% COMPACTION.
- B. CONTRACTOR WILL PROVIDE TRANSFORMER SLABS INSTALLED COMPLETE IN ACCORDANCE WITH UTILITY COMPANY REQUIREMENTS.
- C. CONTRACTOR WILL PROVIDE SECONDARY CONDUITS FOR LOW VOLTAGE CIRCUITS FROM TRANSFORMER SLABS TO BUILDING EQUIPMENT ROOMS. CONDUIT TO BE 48" DEEP AND TERMINATED IN ACCORDANCE WITH PLANS AND SPECIFICATIONS.
- D. PROVIDE PULLWIRE IN ALL EMPTY CONDUITS.
- E. USE JOINT TRENCHING WHEREVER POSSIBLE.
- F. PROVIDE ADEQUATE GUARD RAILING AROUND POWER TRANSFORMERS IN PARKING AREAS.
- G. PROVIDE \$15,000 AID TO CONSTRUCTION FOR ALABAMA POWER UTILITY WORK.



SHEET TITLE:
ELECTRICAL SITE PLAN

PROJ. MGR.: - AMM
DRAWN: DB

DATE: - 06/24/24

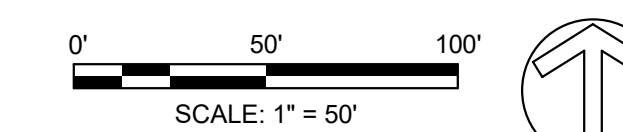
REVISIONS

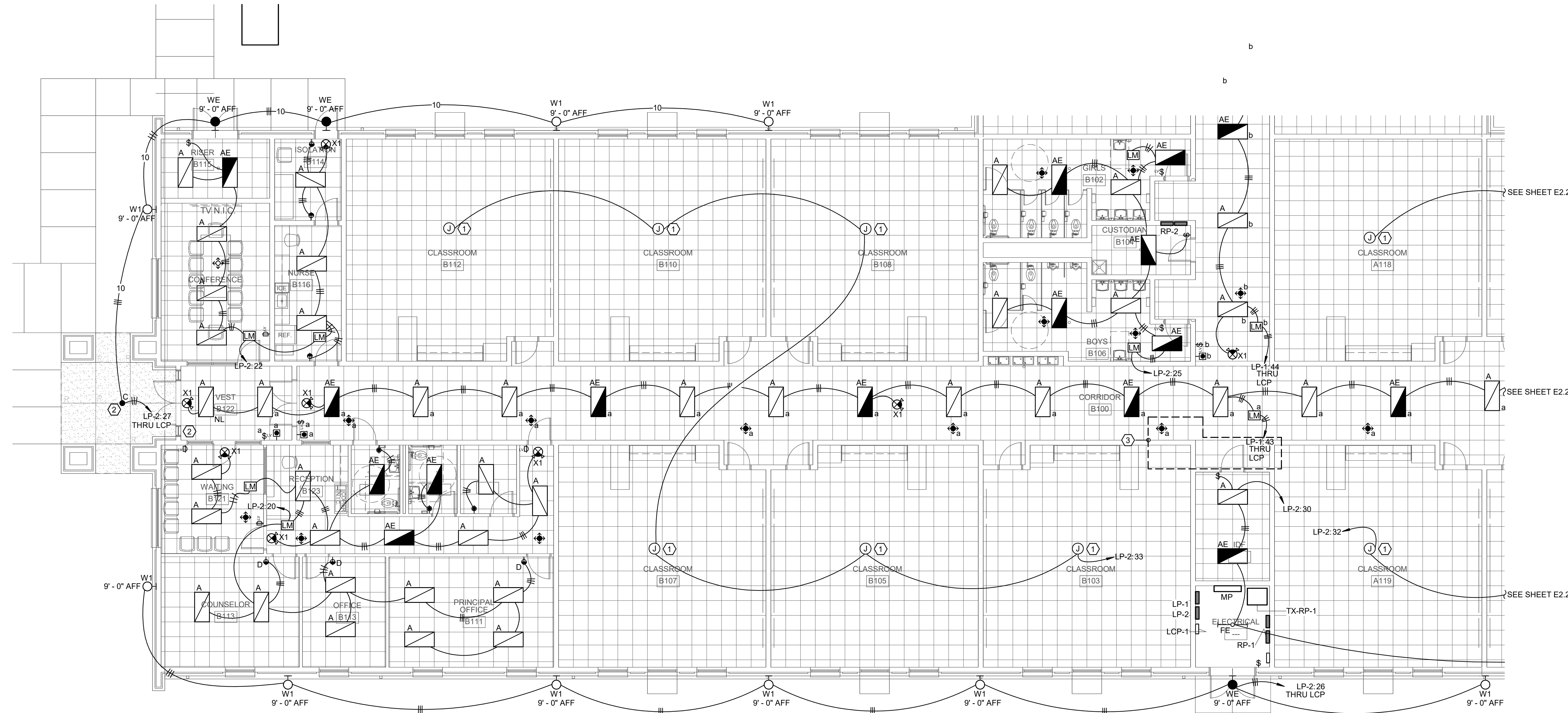
JOB NO. 24-38

SHEET NO:

E1.0

7 OF 20





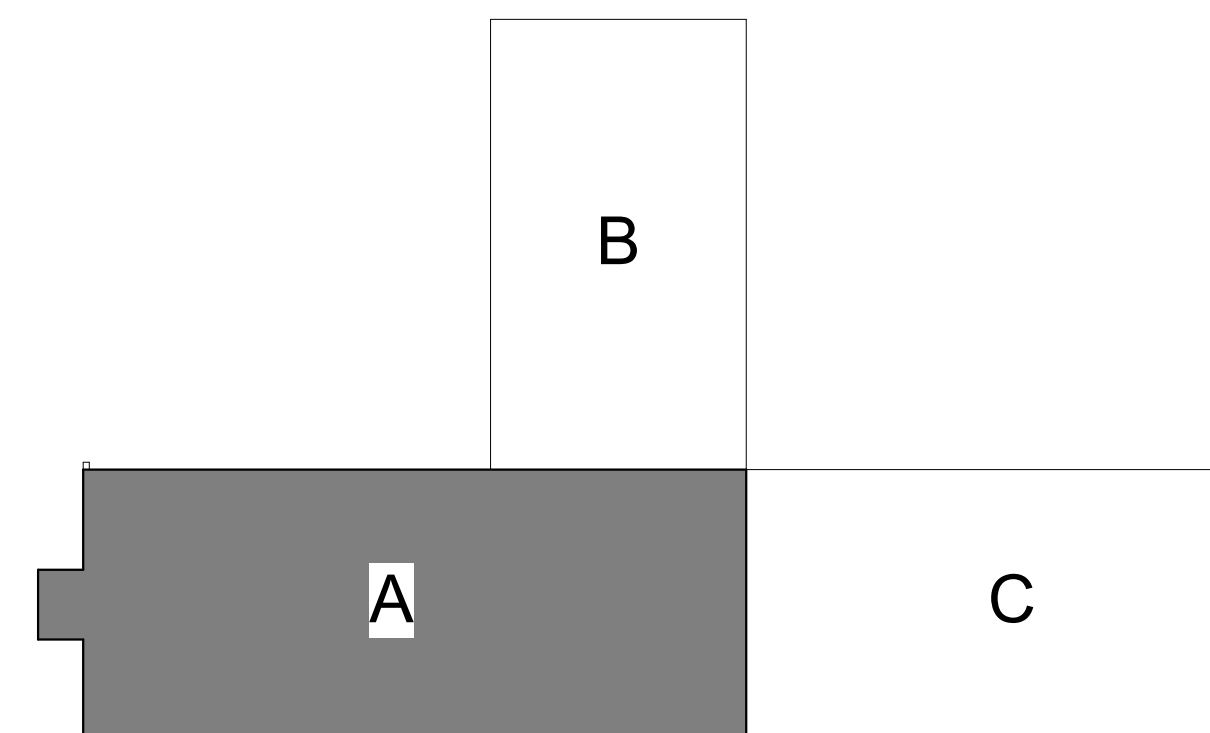
1 LIGHTING - FLOOR PLAN - PART A
 1/8" = 1'-0"
 NORTH

LIGHTING - FLOOR PLAN - PART A

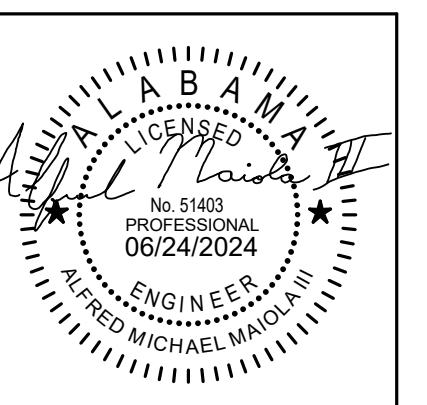
- ① REFER TO E6.0 FOR TYPICAL CLASSROOM LIGHTING CIRCUITS AND CONTROLS.
- ② PROVIDE WITH CONCEALED, REMOTE BATTERY PACK FOR EMERGENCY EGRESS. MOUNT ABOVE NEAREST ACCESSIBLE CEILING. PROVIDE SURE-LITE EBPLED14W OR EQUAL.
- ③ TYPICAL FOR ALL CORRIDOR LIGHTING. LIGHTS AND CONTROLS SHALL BE AS FOLLOWS: SCHEDULE ON/SCHEDULE OFF WITH 2 HOUR TIMED OVERRIDE SWITCH DURING "ON" HOURS. OCCUPANCY SENSORS SHALL OPERATE AS AUTOMATIC ON (FULL BRIGHT)/AUTOMATIC DIM TO 50% DURING "ON" HOURS. SWITCHES SHALL BE MANUAL ON/MANUAL OFF.

GENERAL NOTES:

- A. LOW VOLTAGE CIRCUITRY IS NOT SHOWN ON THE FLOOR PLANS FOR CLARITY. LOW VOLTAGE CIRCUITRY SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH THE LIGHTING CONTROL VENDORS INSTRUCTIONS AND AS REQUIRED BETWEEN ALL LOW VOLTAGE CONTROLS AND FIXTURES.
- B. LIGHTING CONTROLS VENDOR SHALL PRODUCE AND SUBMIT JOB SPECIFIC SHOP DRAWINGS SHOWING ALL DEVICE LOCATIONS, SENSOR COVERAGES, AND TERMINAL-TO-TERMINAL WIRING DIAGRAMS SPECIFIC TO THIS PROJECT.
- C. OCCUPANCY/VACANCY COVERAGE SHOWN AS A BASIS OF DESIGN. ADD DEVICES AS REQUIRED FOR FULL COVERAGE WITHIN THE APPLICABLE AREA/ROOM.
- D. UP TO (3) 20 AMP CIRCUIT MAY BE COMBINED IN THE SAME CONDUIT. NEUTRALS MAY NOT BE SHARED. SEE SPECIFICATIONS FOR ALL DETAILS/REQUIREMENTS.
- E. UPON LOSS OF POWER AND/OR ACTIVATION OF THE FIRE ALARM. ALL AUTOMATICALLY CONTROLLED EMERGENCY LIGHTING SHALL AUTOMATICALLY TURN ON AND FULL BRIGHT. PROVIDE FIRE ALARM RELAY AND LIGHTING CONTROL DEVICES AS REQUIRED.



KEY PLAN
 SCALE: N.T.S.



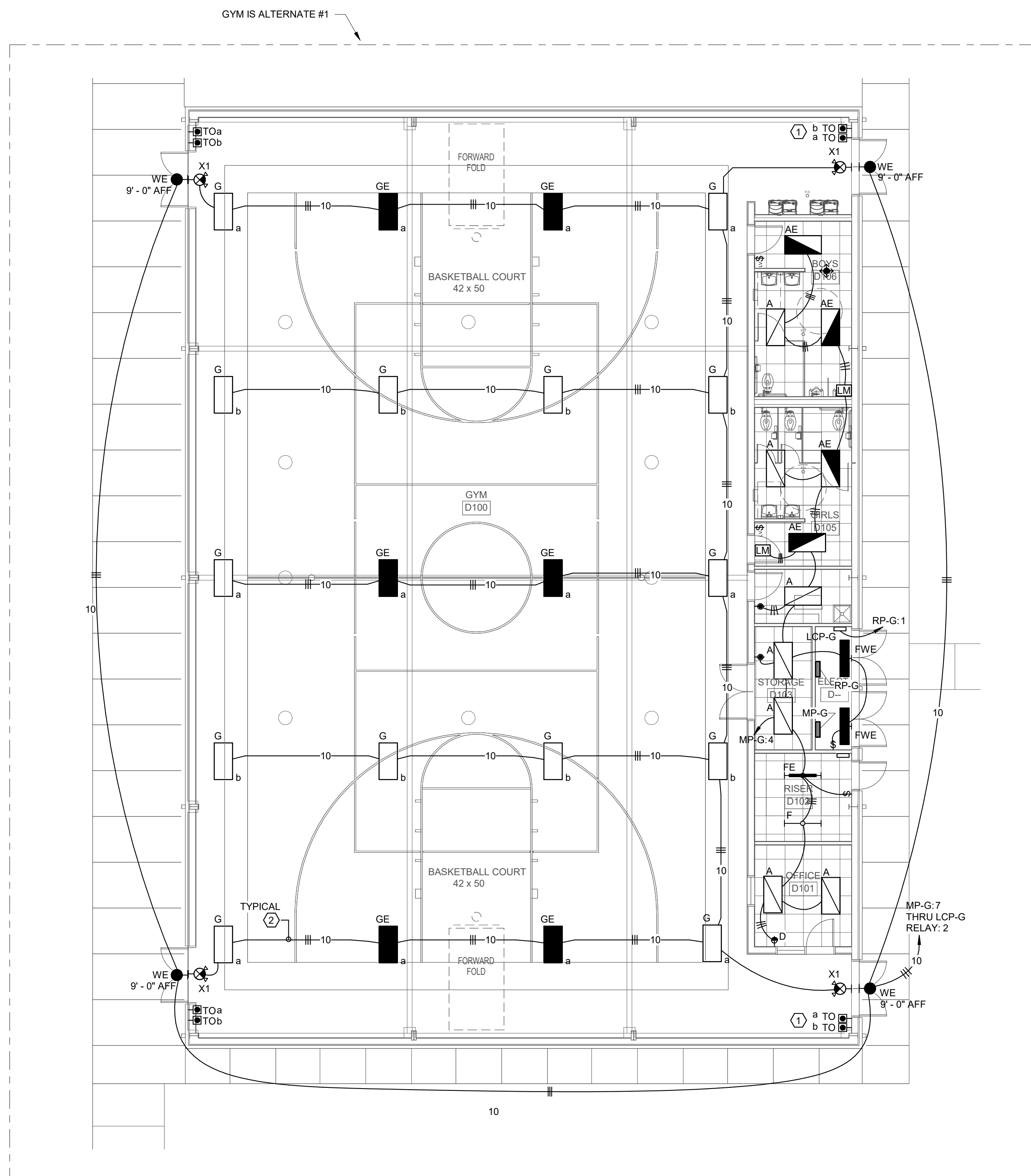
SHEET TITLE:
 LIGHTING - FLOOR PLAN - PART A

PROJ. MGR.:	AMM
DRAWN:	DB
DATE:	06/24/24
REVISIONS	

JOB NO. 24-38

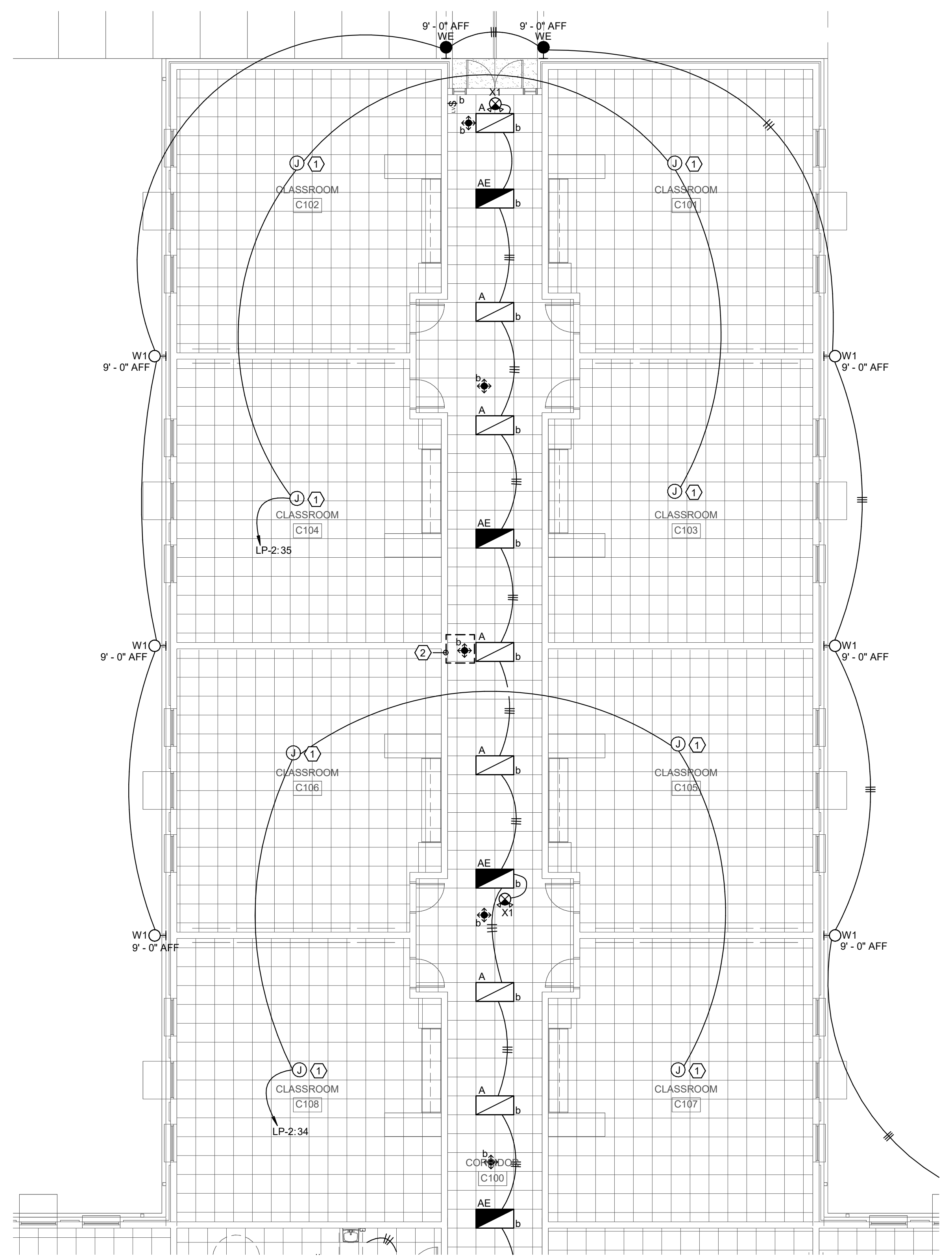
SHEET NO.
E2.0

8 OF 20



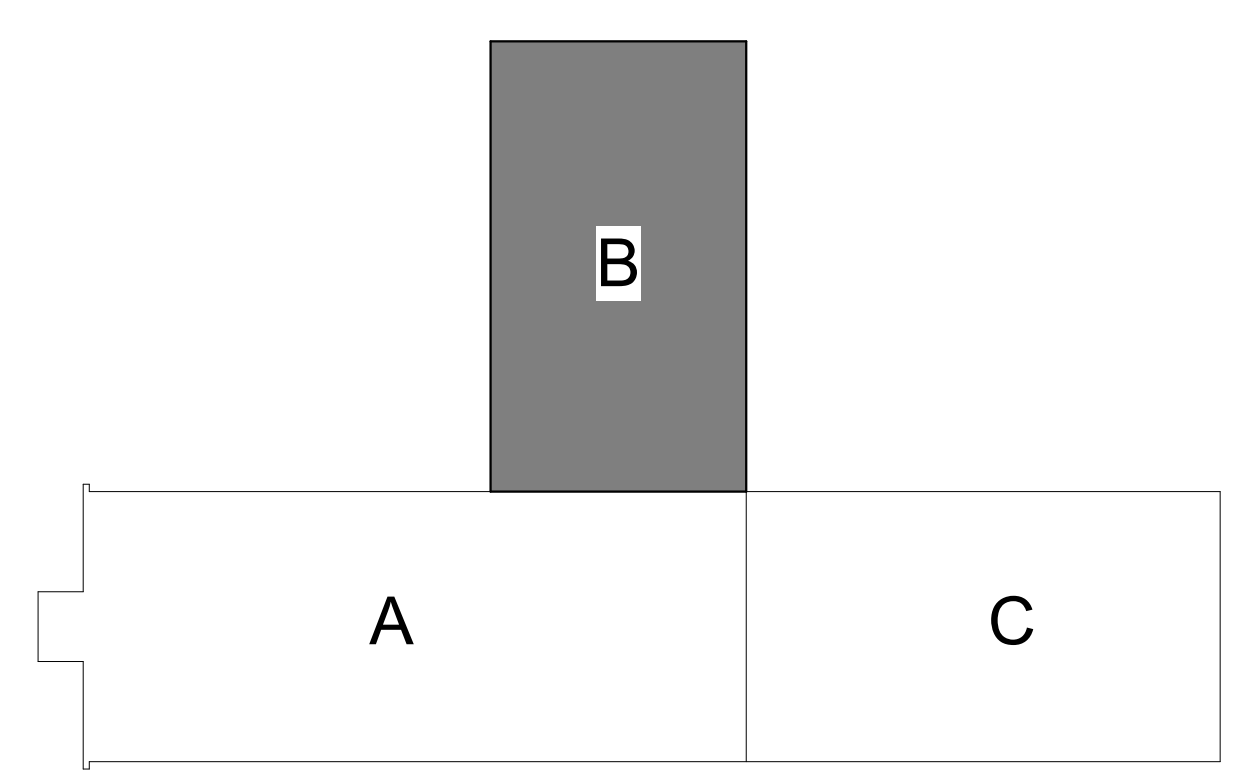
2 LIGHTING - GYM FLOOR PLAN
 1/8" = 1'-0"
 NORTH

- LIGHTING - GYM FLOOR PLAN KEYNOTES:**
- ① TIME OVERRIDE SHALL INCLUDE ON OFF FUNCTION DURING OPERABLE DURING "ON" HOURS. SEE DETAIL "MULTIZONE SWITCH AND OVERRIDE SWITCH SCHEMATIC". TYPICAL FOR ALL LCP TIME OVERRIDE SWITCHES.
 - ② COORDINATE WITH GC AND PAINT ALL EXPOSED CONDUIT. CONFIRM COLOR FINISH WITH ARCHITECT. MINIMIZE EXPOSED CONDUIT AS MUCH AS POSSIBLE.

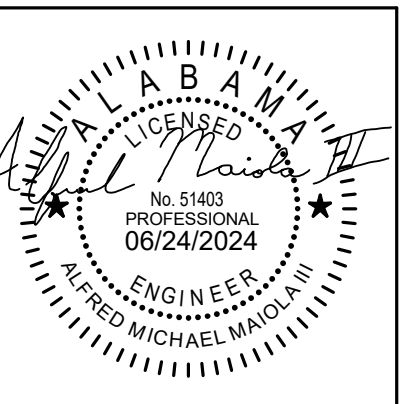


1 LIGHTING - FLOOR PLAN - PART B
 1/8" = 1'-0"
 NORTH

- LIGHTING - FLOOR PLAN - PART B**
- ① REFER TO E6.0 FOR TYPICAL CLASSROOM LIGHTING CIRCUITS AND CONTROLS.
 - ② TYPICAL FOR ALL CORRIDOR LIGHTING: LIGHTS AND CONTROLS SHALL BE AS FOLLOWS: SCHEDULE ON/SCHEDULE OFF WITH 2 HOUR TIMED OVERRIDE SWITCH. DURING "ON" HOURS, OCCUPANCY SENSORS SHALL OPERATE AS AUTOMATIC ON (FULL BRIGHT)/AUTOMATIC DIM TO 50%. DURING "ON" HOURS, SWITCHES SHALL BE MANUAL ON/MANUAL OFF.



KEY PLAN
 SCALE: N.T.S.

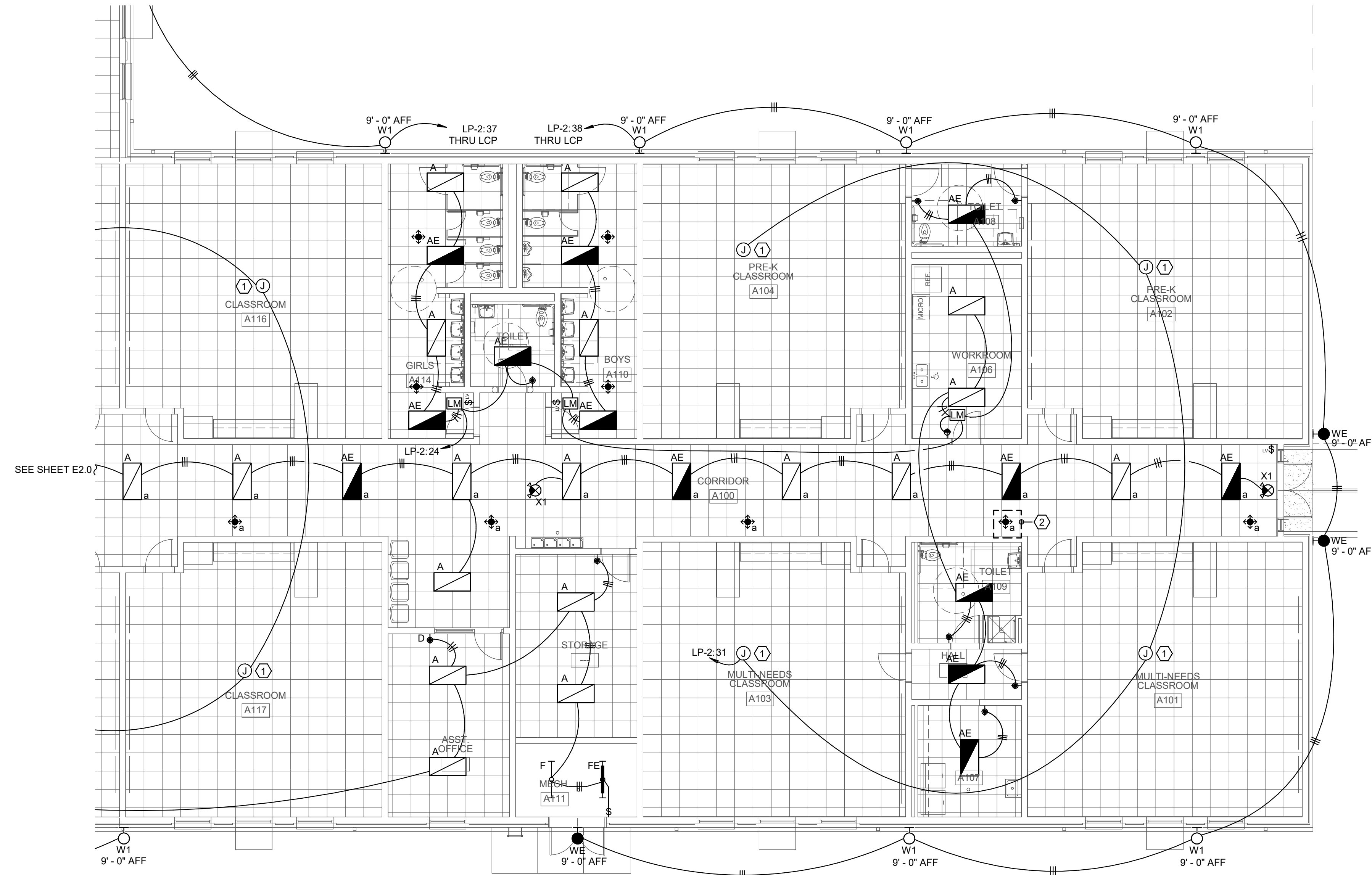


SHEET TITLE:
 LIGHTING - FLOOR PLAN - PART B

PROJ. MGR.:	AMM
DRAWN:	DB
DATE:	06/24/24
REVISIONS	

JOB NO. 24-38

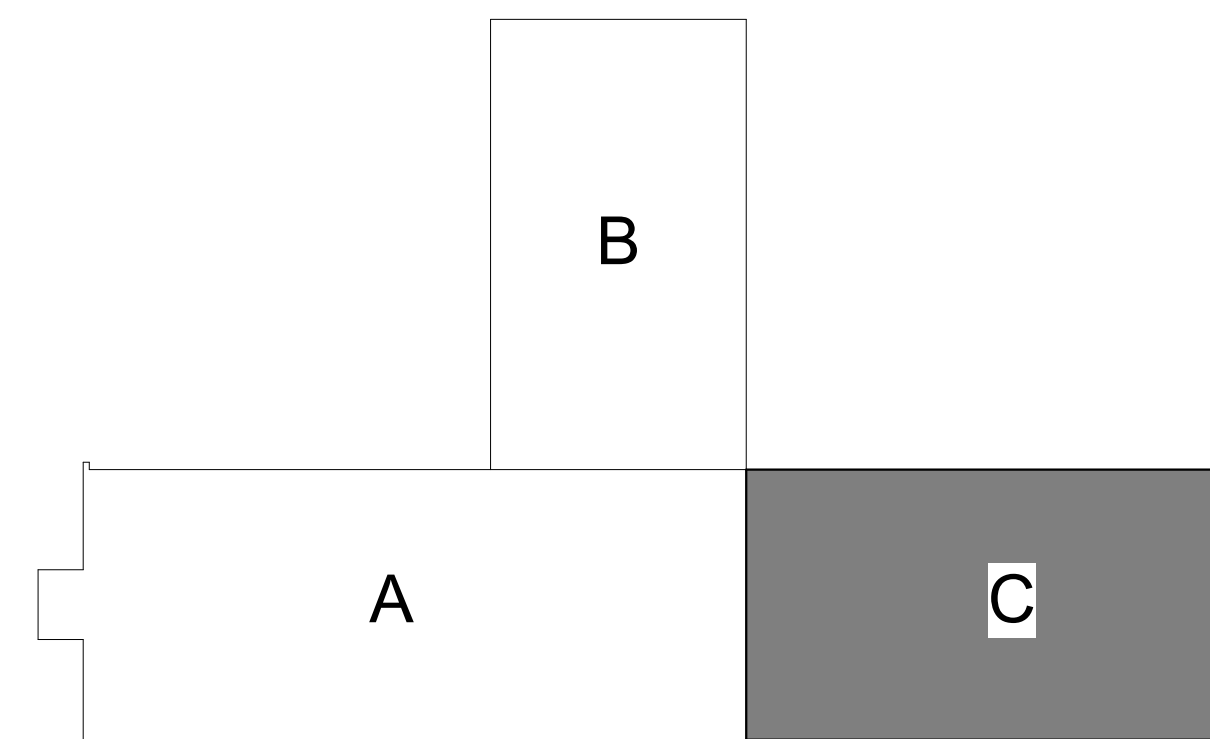
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E2.1



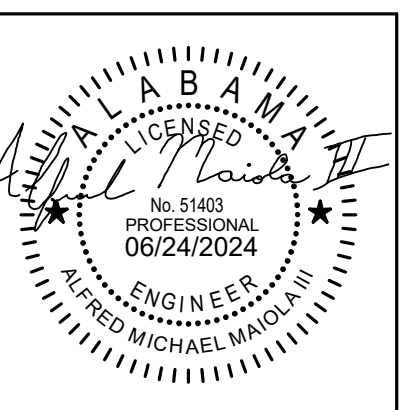
1 LIGHTING - FLOOR PLAN - PART C
 1/8" = 1'-0"

LIGHTING - FLOOR PLAN - PART C

- ① REFER TO E6.0 FOR TYPICAL CLASSROOM LIGHTING CIRCUITS AND CONTROLS.
- ② TYPICAL FOR ALL CORRIDOR LIGHTING. LIGHTS AND CONTROLS SHALL BE AS FOLLOWS:
 SCHEDULE ON/SCHEDULE OFF WITH 2 HOUR TIMED OVERRIDE SWITCH.
 DURING "ON" HOURS, OCCUPANCY SENSORS SHALL OPERATE AS AUTOMATIC ON (FULL BRIGHT)/AUTOMATIC DIM TO 50%. DURING "ON" HOURS, SWITCHES SHALL BE MANUAL ON/MANUAL OFF.



KEY PLAN
 SCALE: N.T.S.



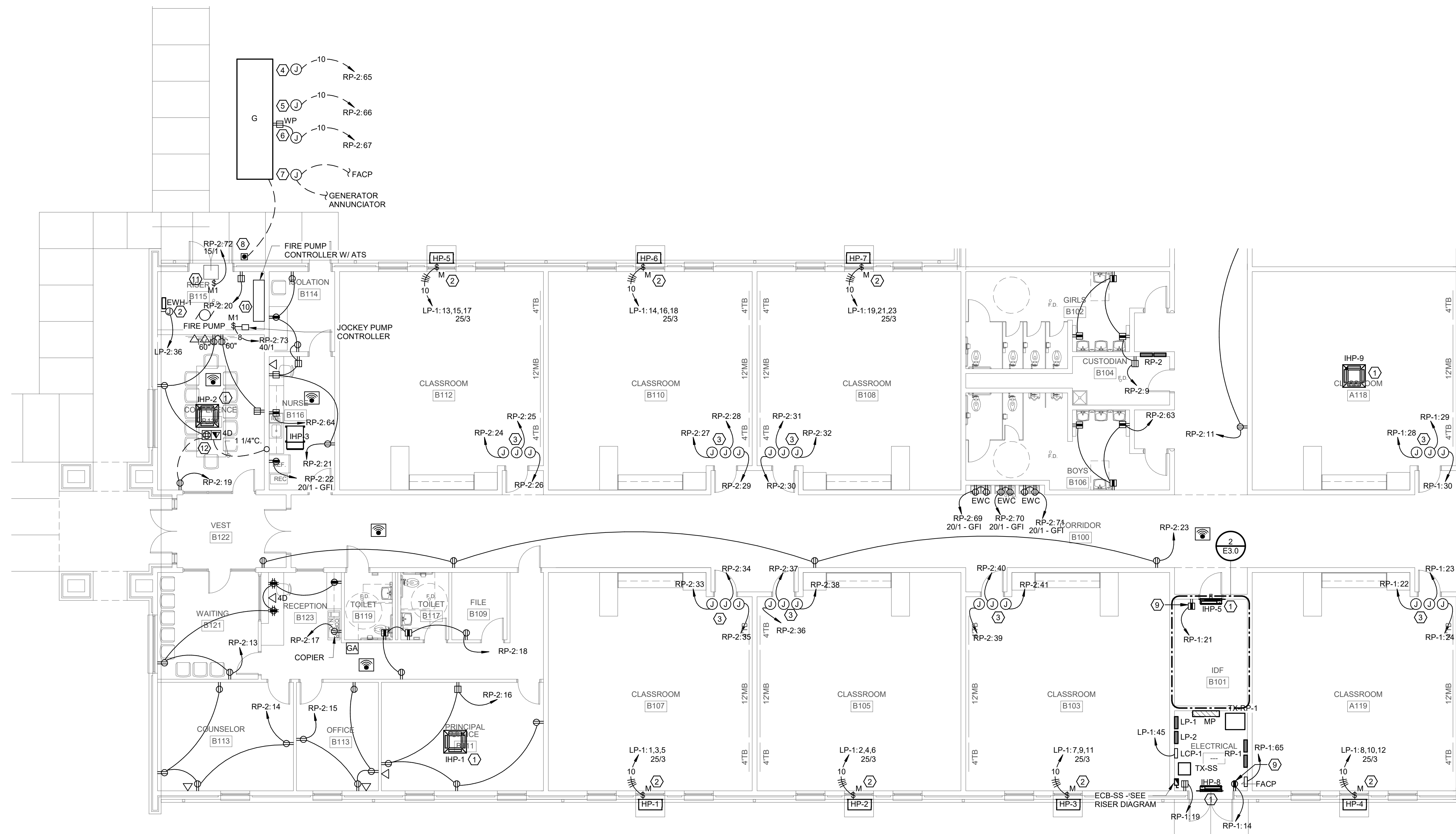
SHEET TITLE:
 LIGHTING - FLOOR PLAN -
 PART C

PROJ. MGR.:	AMM
DRAWN:	DB
DATE:	06/24/24
REVISIONS	

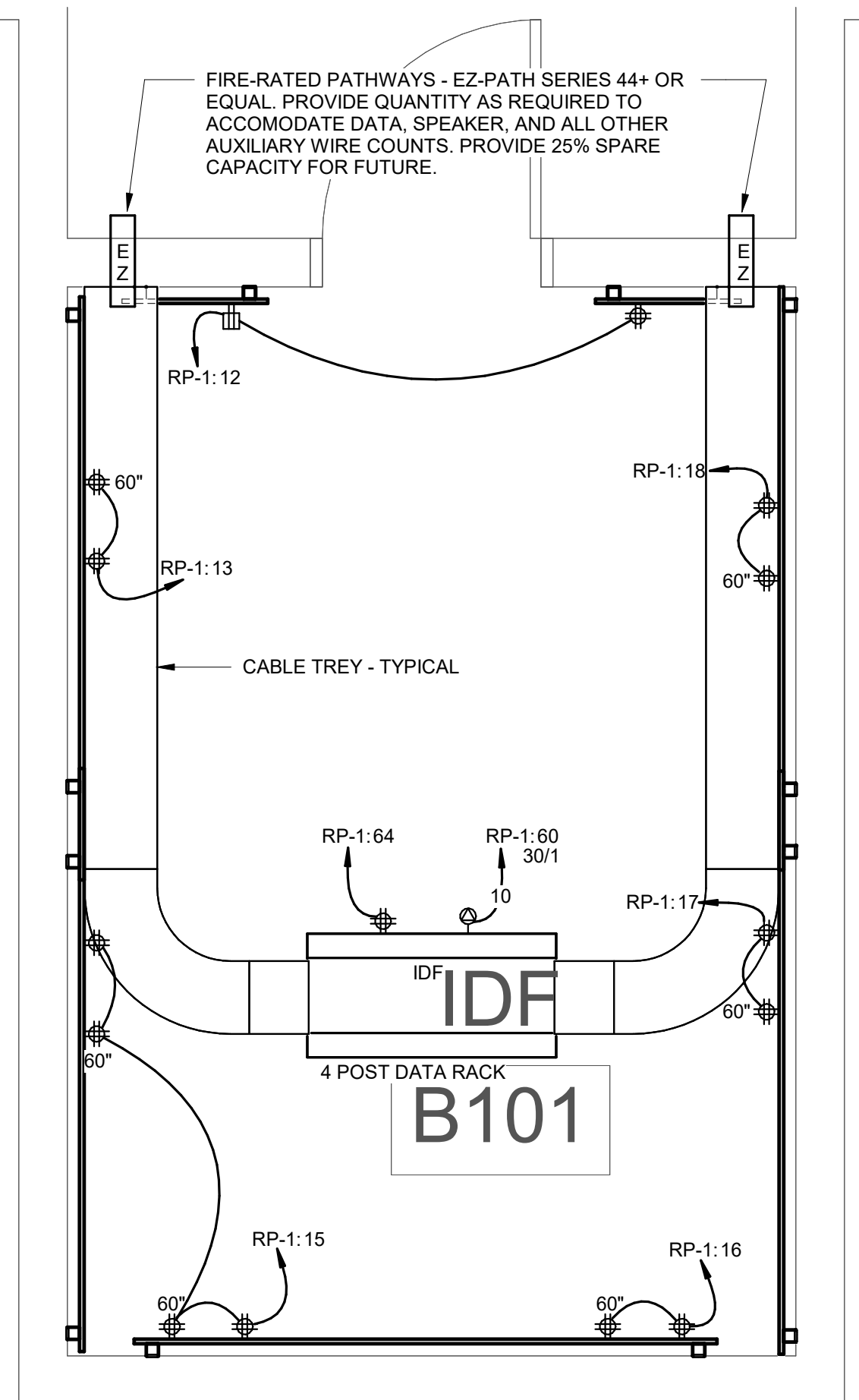
JOB NO. 24-38

SHEET NO.
E2.2

10 OF 20



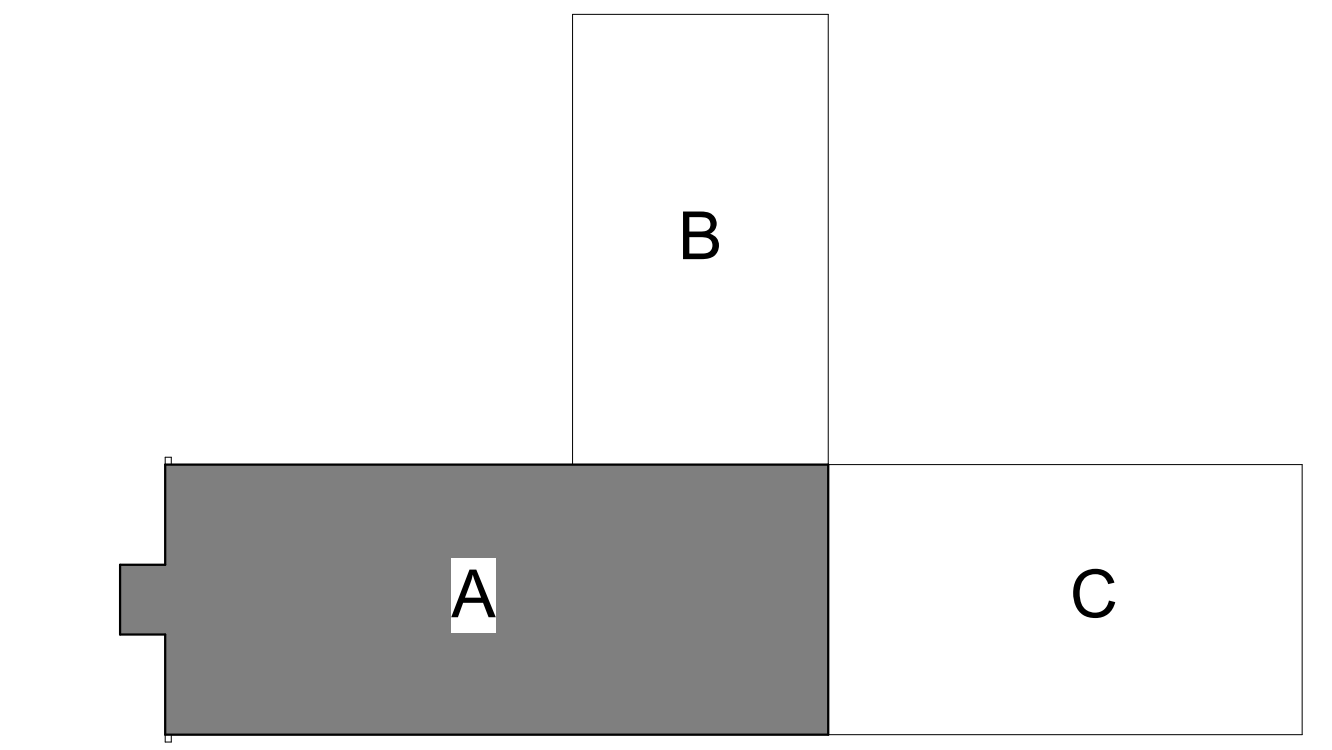
1 POWER AND VOICE/DATA - FLOOR PLAN - PART A
 1/8" = 1'-0"



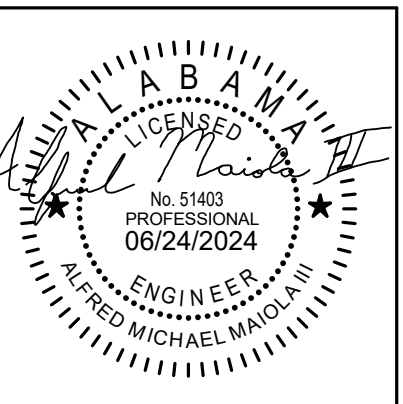
2 IDF COMMUNICATION RACK
 1/2" = 1'-0"

- GENERAL NOTES/APPLIES TO ALL SHEETS:**
- UP TO (3) 20 AMP CIRCUIT MAY BE COMBINED IN THE SAME CONDUIT. NEUTRALS MAY NOT BE SHARED. SEE SPECIFICATIONS FOR ALL DETAILS/REQUIREMENTS.
 - SUPPORT OUTLET BOXES IN STUD PARTITIONS WITH SUPPORT THAT SPANS BETWEEN TWO STUDS.
 - SUPPORT ALL FLEXIBLE CONDUIT WITHIN 12" OF THE ELECTRICAL CONNECTION POINT OF THE EQUIPMENT.
 - PROVIDE ALL UNISTRUT AS REQUIRED FOR MOUNTING OF ELECTRICAL EQUIPMENT CORRESPONDING TO MECHANICAL AND PLUMBING EQUIPMENT.
 - VERIFY FINAL LOCATIONS OF ALL MECHANICAL AND PLUMBING EQUIPMENT. COORDINATE CLEARANCES PER NEC 110.26 FOR ALL ELECTRICAL EQUIPMENT.
 - PROVIDE FUSE ADAPTERS FOR OVERSIZED DISCONNECTS SWITCHES AS REQUIRED.
 - ALL 15 AND 20 AMP OUTLETS SHALL BE TAMPER RESISTANT UNLESS PERMITTED IN E-001A NOTES.

- SHEET KEYNOTES:**
- POWER FOR INDOOR HEAT PUMP UNITS ARE DERIVED FROM OUTDOOR HEAT PUMP. E.C. SHALL PROVIDE AND INSTALL 3-#12, 1-#12(G), 3/4"C. BETWEEN EACH INDOOR AND OUTDOOR UNIT. E.C. SHALL CONNECT 3-POLE DISCONNECT SWITCH PROVIDED BY MECHANICAL FOR EACH UNIT.
 - DISCONNECTING MEANS INTEGRAL TO THE UNIT. COORDINATE EXACT CONNECTION POINT WITH MECHANICAL EQUIPMENT SUBMITTALS.
 - CIRCUIT REPRESENTS THE TYPICAL CLASSROOM LAYOUT AND CIRCUIT. REFER TO E6.0 FOR TYPICAL CLASSROOM POWER AND VOICE/DATA LAYOUT AND CIRCUITING.
 - BATTERY CHARGER. 120V, 1PH
 - BLOCK HEATER. 120, 1PH
 - GENERATOR OUTLET, ALTERNATOR STRIP HEAT
 - (1) 1"C. TO FACP, (1) 1"C. TO GENERATOR ANNUNCIATOR.
 - EMERGENCY POWER OFF BUTTON -1"C. FROM EPO TO GENERATOR.
 - FOR CONDENSATE PUMP, COORDINATE EXACT MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR AND LOCATE NEXT TO THE UNIT.
 - FIRE PUMP AND FIRE PUMP CONTROLLER (RESPECTIVELY); COORDINATE EXAT LOCATION AND CONNECTION POINTS WITH EQUIPMENT SUBMITTALS. THE FEED FOR THE FIRE PUMP CONTROLLER SHALL BE ROUTED UNDERGROUND FROM BOTH THE GENERATOR AND THE UTILITY CONNECTION. DO NOT RUN UNPROTECTED THROUGH THE BUILDING AT ANY PIONT.
 - FOR CONNECTION TO AUTO DAMPER, COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
 - FLOOR BOX SHALL BE PLACED IN THE CENTERED OF THE ROOM. PROVIDE LEGRAND (OR EQUAL) RFB6-OG WITH (2) RFB6DP FOR (2) DUPLEX OUTLETS AND (1) RFB6ZA FOR (4) DATA CONNECTIONS (1 1/4"C.). PROVIDE FLANGED COVER RFBTC1X AND CONFIRM COLOR FINISH WITH ARCHITECT PRIOR TO ORDERING.



KEY PLAN
 SCALE: N.T.S.

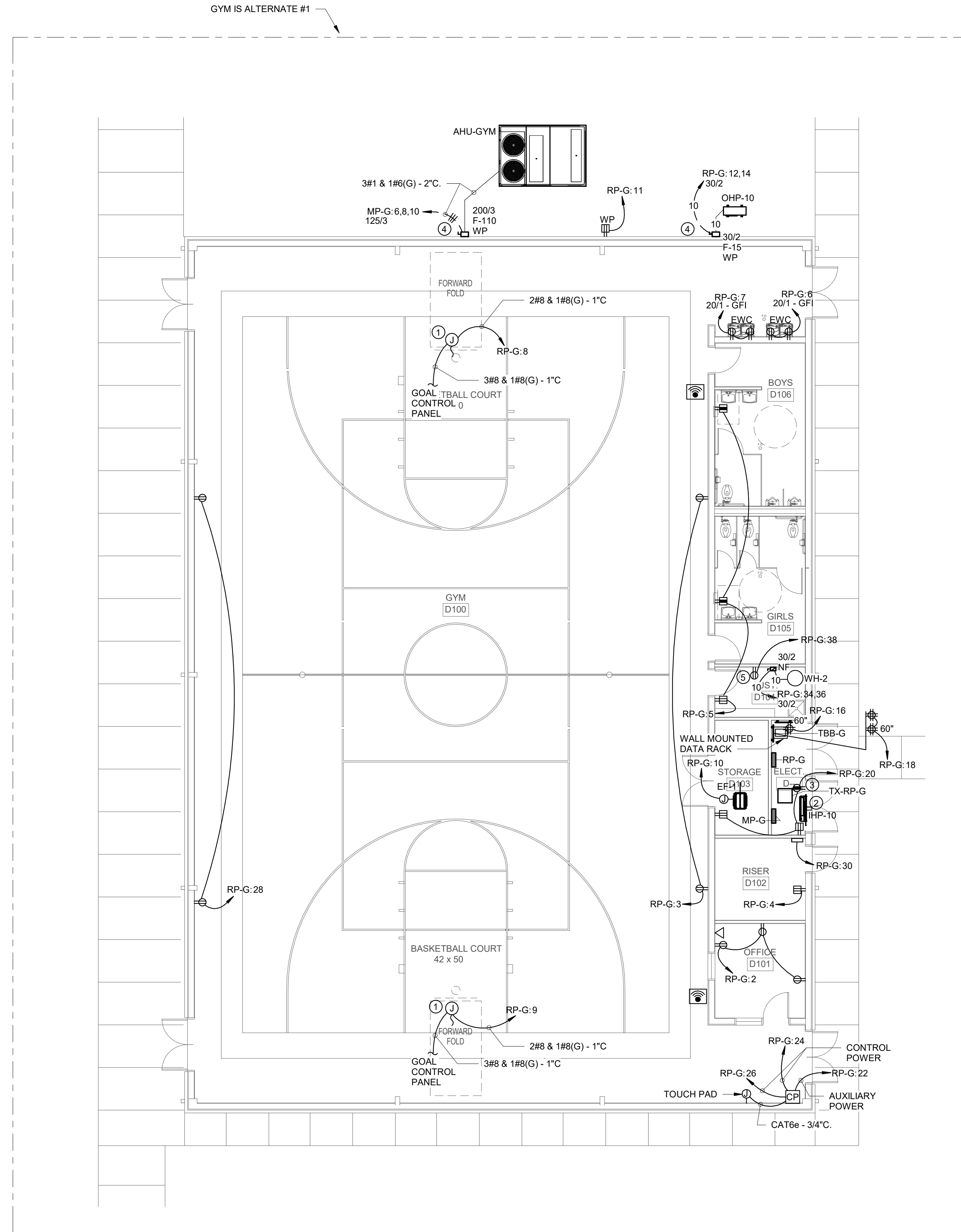


SHEET TITLE:
 POWER AND VOICE/DATA -
 FLOOR PLAN - PART A

PROJ. MGR.: -- AMM
 DRAWN: -- DB
 DATE: -- 06/24/24
 REVISIONS

JOB NO. 24-38

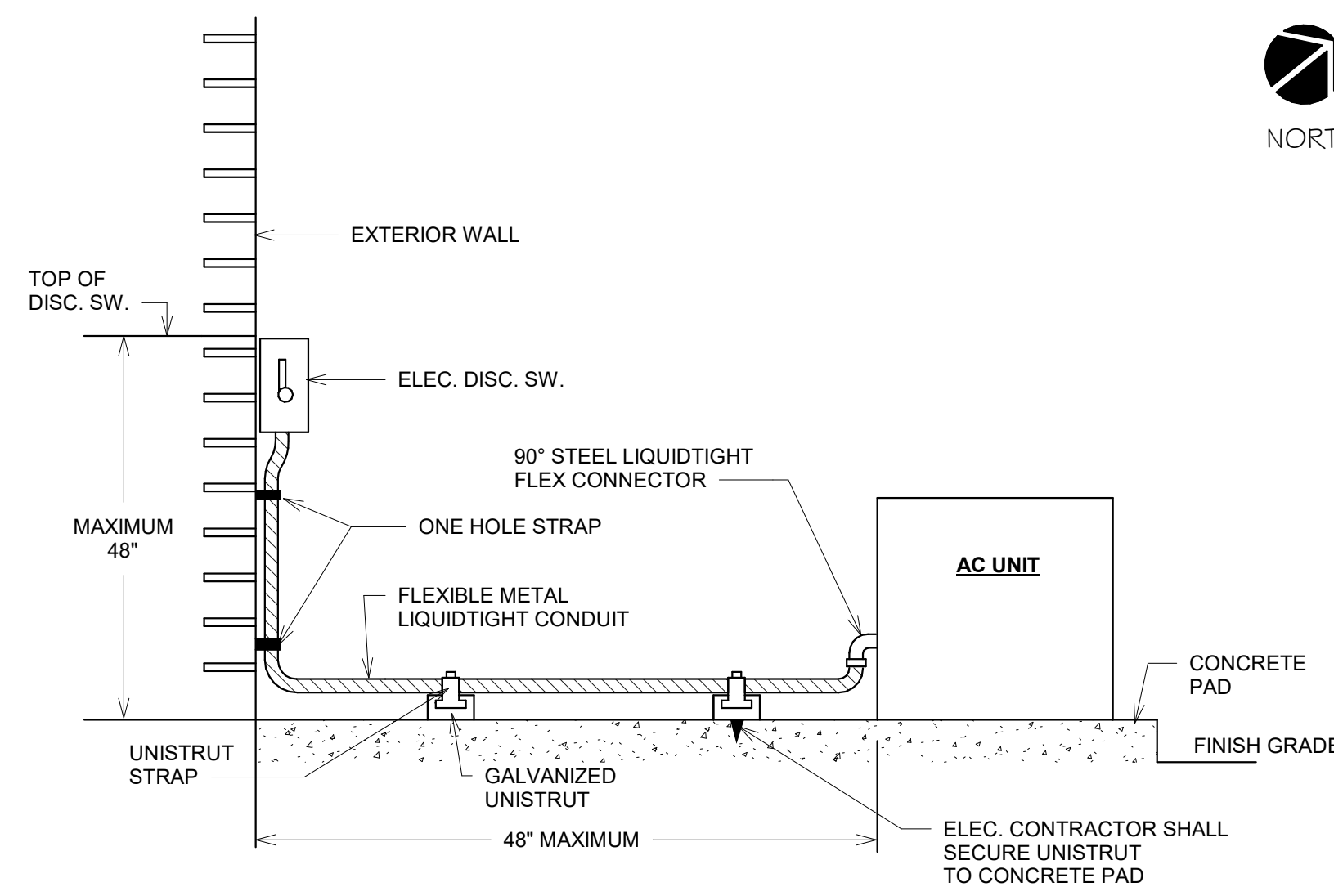
SHEET NO:
E3.0



2 POWER AND VOICE/DATA - GYM FLOOR PLAN
 NORTH 1/8" = 1'-0"

POWER AND VOICE/DATA - GYM FLOOR PLAN SHEET KEYNOTES:

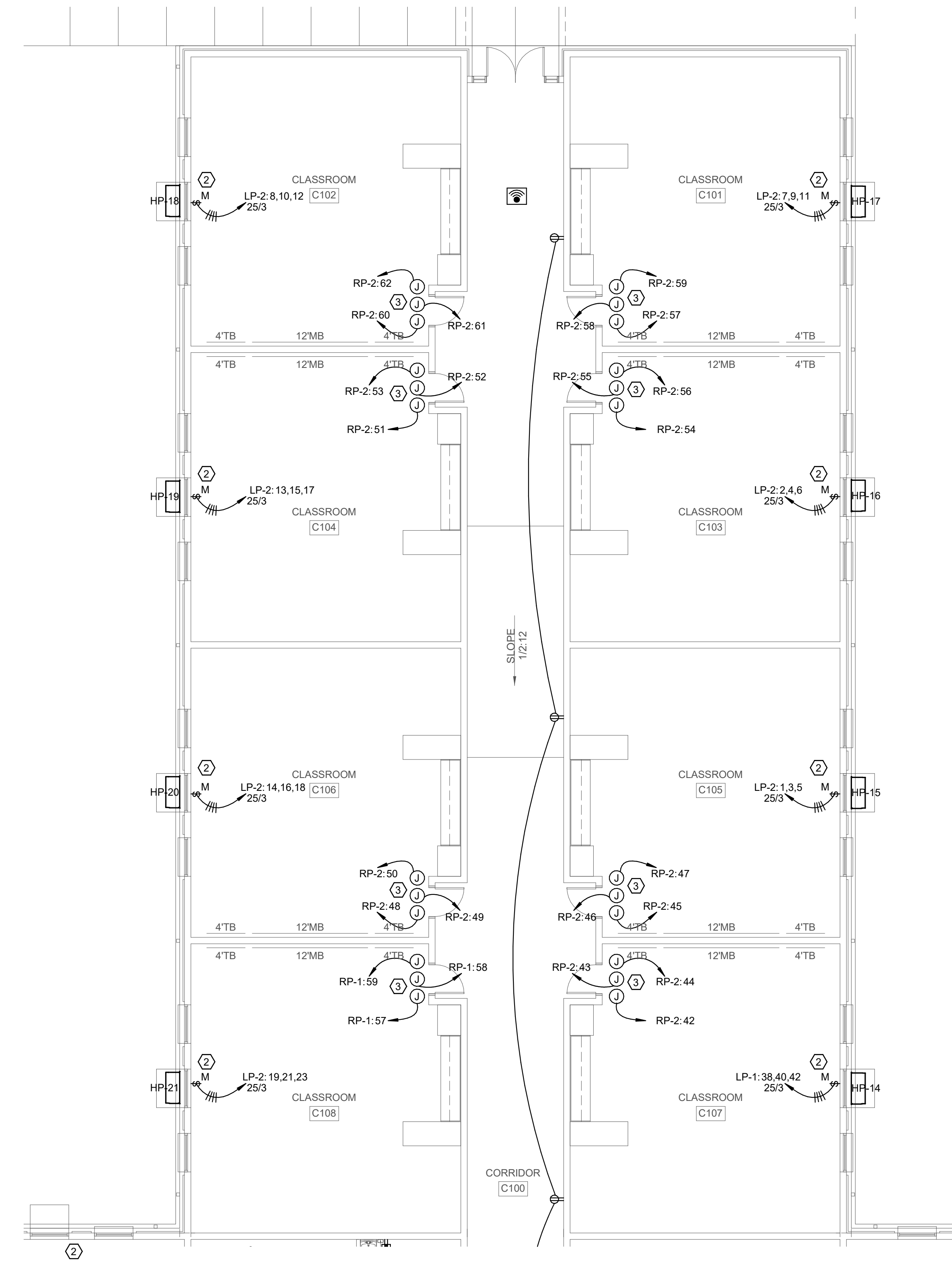
- ① FOR BASKETBALL GOAL RAISE/LOWER POWER AND CONTROL PANEL. COORDINATE WITH EQUIPMENT SUBMITTALS AND PROVIDE FINAL CONNECTION DEVICE. COORDINATE CONTROLS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN. VERIFY LOCATION WITH OWNER & ARCHITECT PRIOR TO ROUGH-IN.
- ② POWER FOR INDOOR HEAT PUMP UNITS ARE DERIVED FROM OUTDOOR HEAT PUMP. E.C. SHALL PROVIDE AND INSTALL 3-#12, 1-#12(G), 3/4°C. BETWEEN EACH INDOOR AND OUTDOOR UNIT. E.C. SHALL CONNECT 3-POLE DISCONNECT SWITCH PROVIDED BY MECHANICAL FOR EACH UNIT.
- ③ FOR CONDENSATE PUMP. COORDINATE EXACT MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR AND LOCATE NEXT TO THE UNIT.
- ④ SEE GROUND MOUNTED MECHANICAL UNIT CONNECTION DETAIL.
- ⑤ CIRCULATION PUMP - COORDINATE LOCATION PRIOR TO ROUGH-IN.



TYP. MECH. UNIT CONNECTION DETAIL

NO SCALE

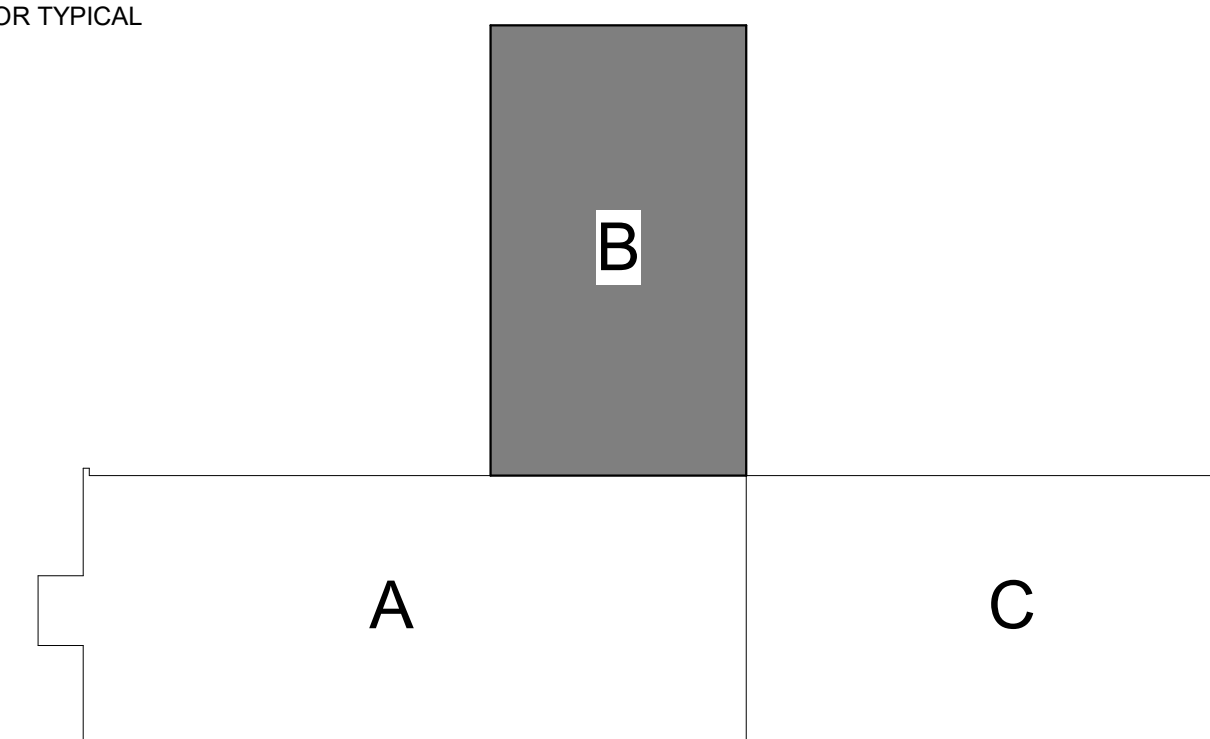
NOTE:
 FOR DISTANCES GREATER THAN 48" CONDUIT TO BE ROUTED BELOW GRADE TO WITHIN 6" OF MECH UNIT - STUB-UP WITH RIGID ELBOW THRU CONCRETE PAD. PROVIDE FLEXIBLE CONNECTION FROM ELBOW TO MECH UNIT WITH CONNECTION MADE AT UNIT AS SHOWN ABOVE.



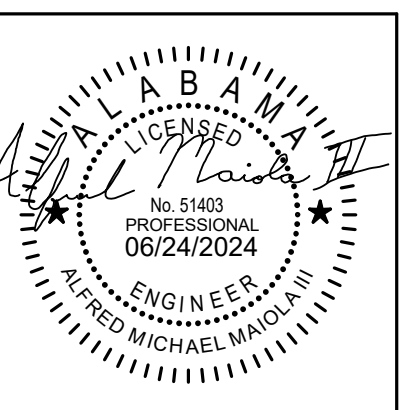
1 POWER AND VOICE/DATA - FLOOR PLAN - PART B
 NORTH 1/8" = 1'-0"

POWER AND VOICE/DATA - FLOOR PLAN - PART B SHEET KEYNOTES:

- ① POWER FOR INDOOR HEAT PUMP UNITS ARE DERIVED FROM OUTDOOR HEAT PUMP. E.C. SHALL PROVIDE AND INSTALL 3-#12, 1-#12(G), 3/4°C. BETWEEN EACH INDOOR AND OUTDOOR UNIT. E.C. SHALL CONNECT 3-POLE DISCONNECT SWITCH PROVIDED BY MECHANICAL FOR EACH UNIT.
- ② DISCONNECTING MEANS INTEGRAL TO THE UNIT. COORDINATE EXACT CONNECTION POINT WITH MECHANICAL EQUIPMENT SUBMITTALS.
- ③ CIRCUIT REPRESENTS THE TYPICAL CLASSROOM LAYOUT AND CIRCUIT. REFER TO E6.0 FOR TYPICAL CLASSROOM POWER AND VOICE/DATA LAYOUT AND CIRCUITING.



KEY PLAN
 SCALE: N.T.S.



SHEET TITLE:
 POWER AND VOICE/DATA -
 FLOOR PLAN - PART B

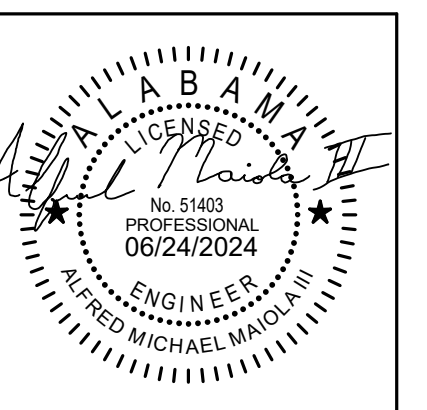
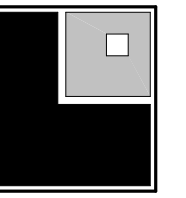
PROJ. MGR.: -- AMM
 DRAWN: DB
 DATE: -- 06/24/24
 REVISIONS

JOB NO. 24-38

SHEET NO.

E3.1

12 OF 20

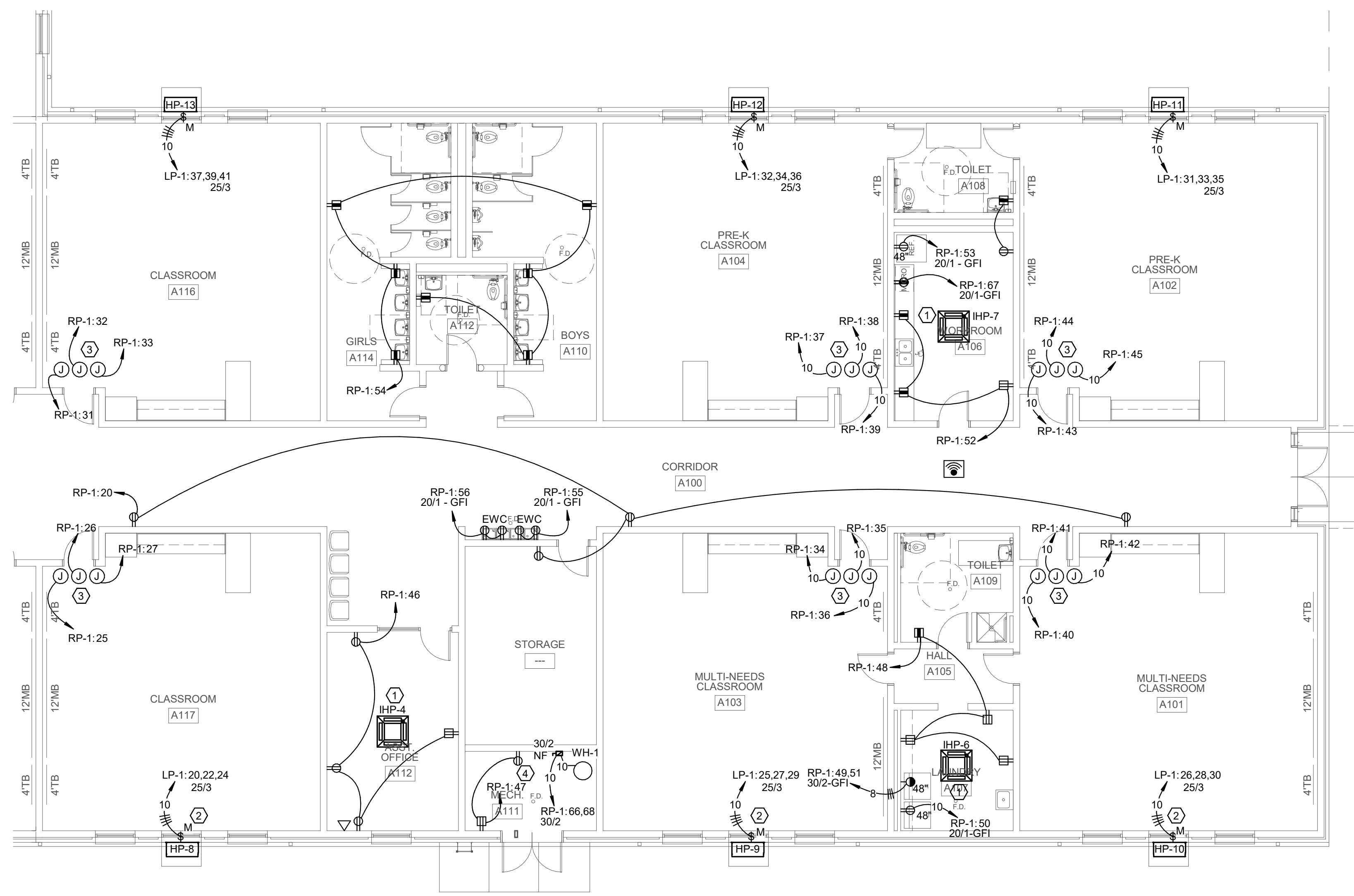


SHEET TITLE:
 POWER AND VOICE/DATA - FLOOR PLAN - PART C

PROJ. MGR.:	AMM
DRAWN:	DB
DATE:	06/24/24
REVISIONS	

JOB NO. 24-38

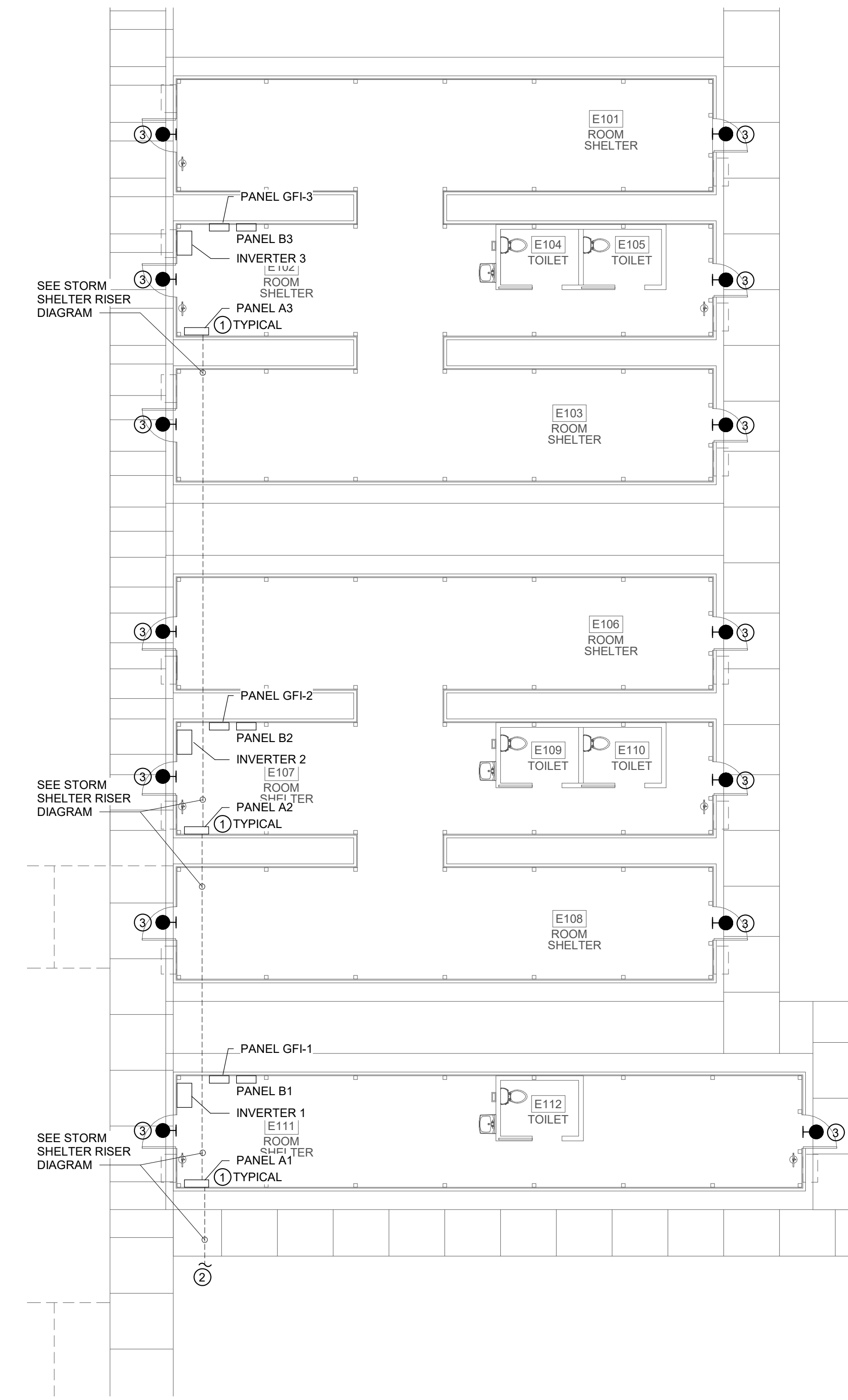
SHEET NO.
E3.2



1 POWER AND VOICE/DATA - FLOOR PLAN - PART C
 NORTH
 1/8" = 1'-0"

SHEET KEYNOTES:

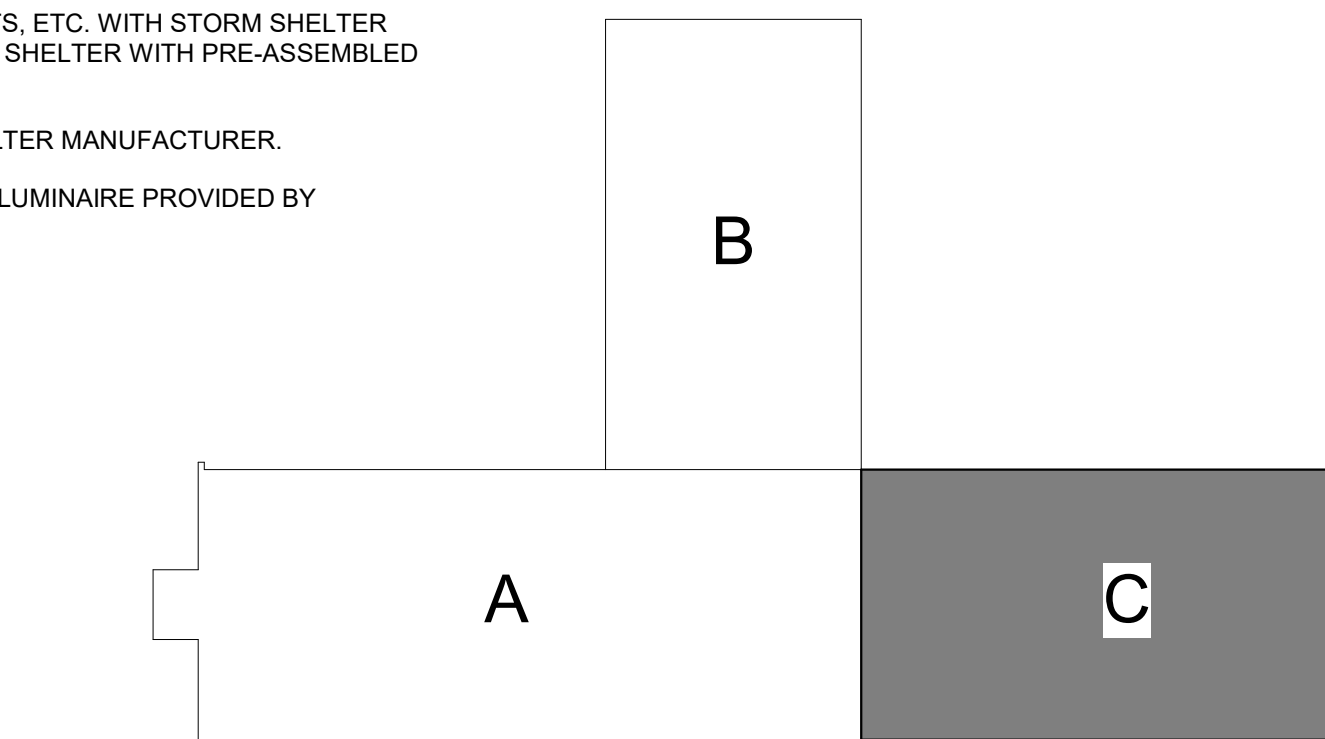
- ① POWER FOR INDOOR HEAT PUMP UNITS ARE DERIVED FROM OUTDOOR HEAT PUMP. E.C. SHALL PROVIDE AND INSTALL 3-#12, 1-#12(G), 3/4" C. BETWEEN EACH INDOOR AND OUTDOOR UNIT. E.C. SHALL CONNECT 3-POLE DISCONNECT SWITCH PROVIDED BY MECHANICAL FOR EACH UNIT.
- ② DISCONNECTING MEANS INTEGRAL TO THE UNIT. COORDINATE EXACT CONNECTION POINT WITH MECHANICAL EQUIPMENT SUBMITTALS.
- ③ CIRCUIT REPRESENTS THE TYPICAL CLASSROOM LAYOUT AND CIRCUIT. REFER TO EB.0 FOR TYPICAL CLASSROOM POWER AND VOICE/DATA LAYOUT AND CIRCUITING.
- ④ CIRCULATION PUMP - COORDINATE LOCATION PRIOR TO ROUGH-IN.



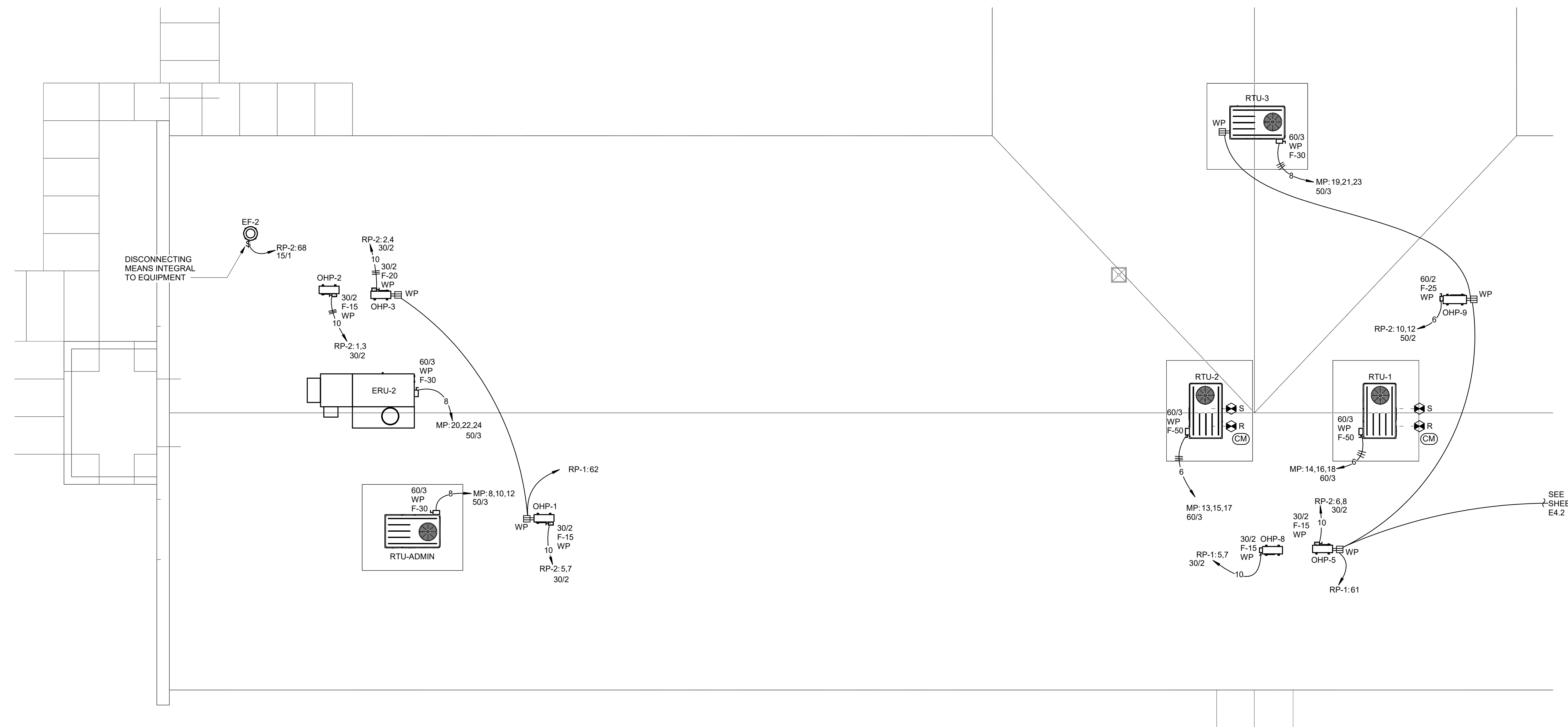
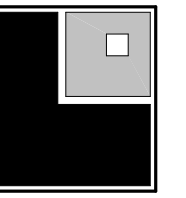
2 ELECTRICAL - STORM SHELTER FLOOR PLAN
 NORTH
 1/8" = 1'-0"

ELECTRICAL - STORM SHELTER FLOOR PLAN KEYNOTES:

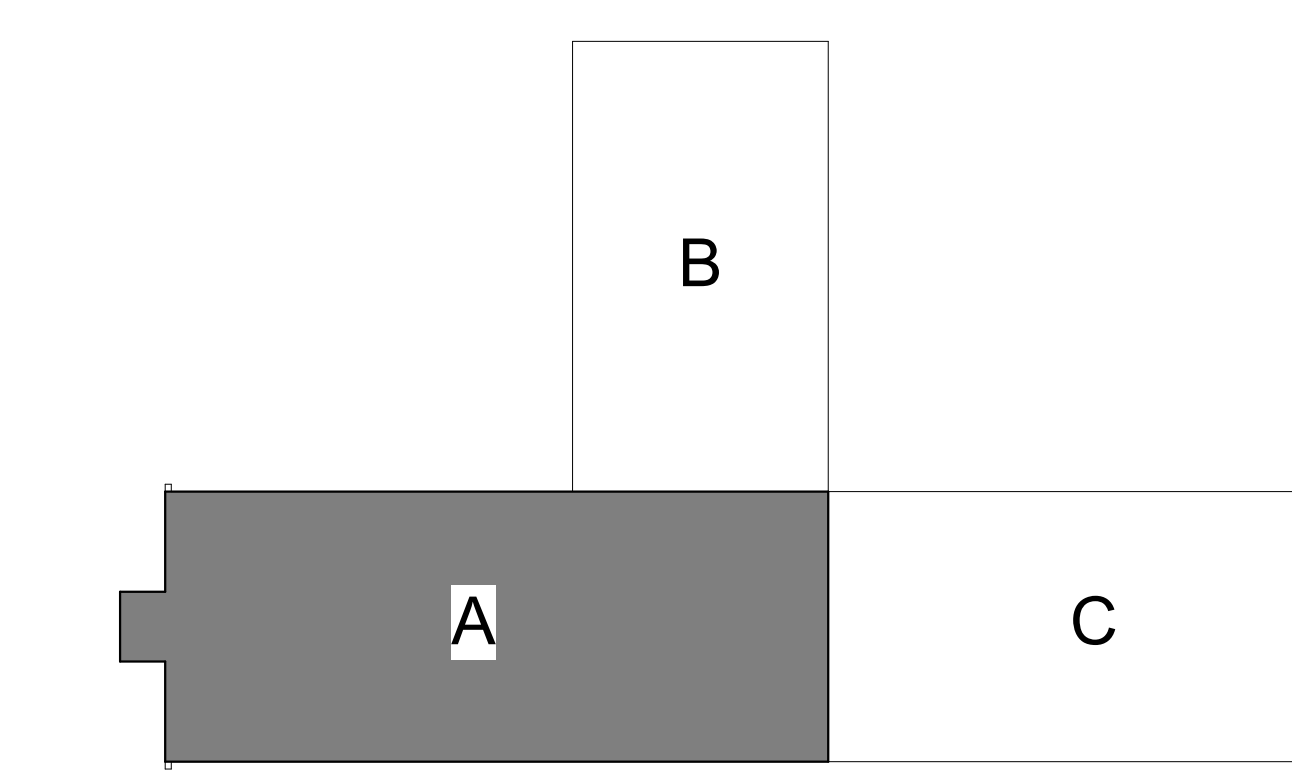
- ① COORDINATE ALL ROUGH-IN LOCATIONS, WIRING REQUIREMENTS, ETC. WITH STORM SHELTER VENDOR. STORM SHELTER IS A PRE-MANUFACTURED STORM SHELTER WITH PRE-ASSEMBLED WIRING & SYSTEMS.
- ② TO STORM SHELTER GENERATOR. GENERATOR BY STORM SHELTER MANUFACTURER.
- ③ OUTDOOR WALL MOUNTED LUMINAIRE WITH BATTERY BACKUP. LUMINAIRE PROVIDED BY OTHERS IN THE PRE-MANUFACTURED STORM SHELTER UNIT.



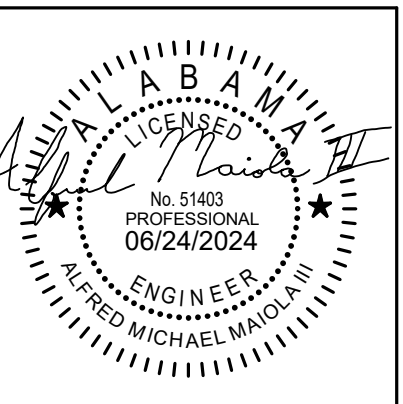
KEY PLAN
 SCALE: N.T.S.



1 NORTH
 1/8" = 1'-0"
ELECTRICAL - ROOF PLAN - PART A



KEY PLAN
 SCALE: N.T.S.

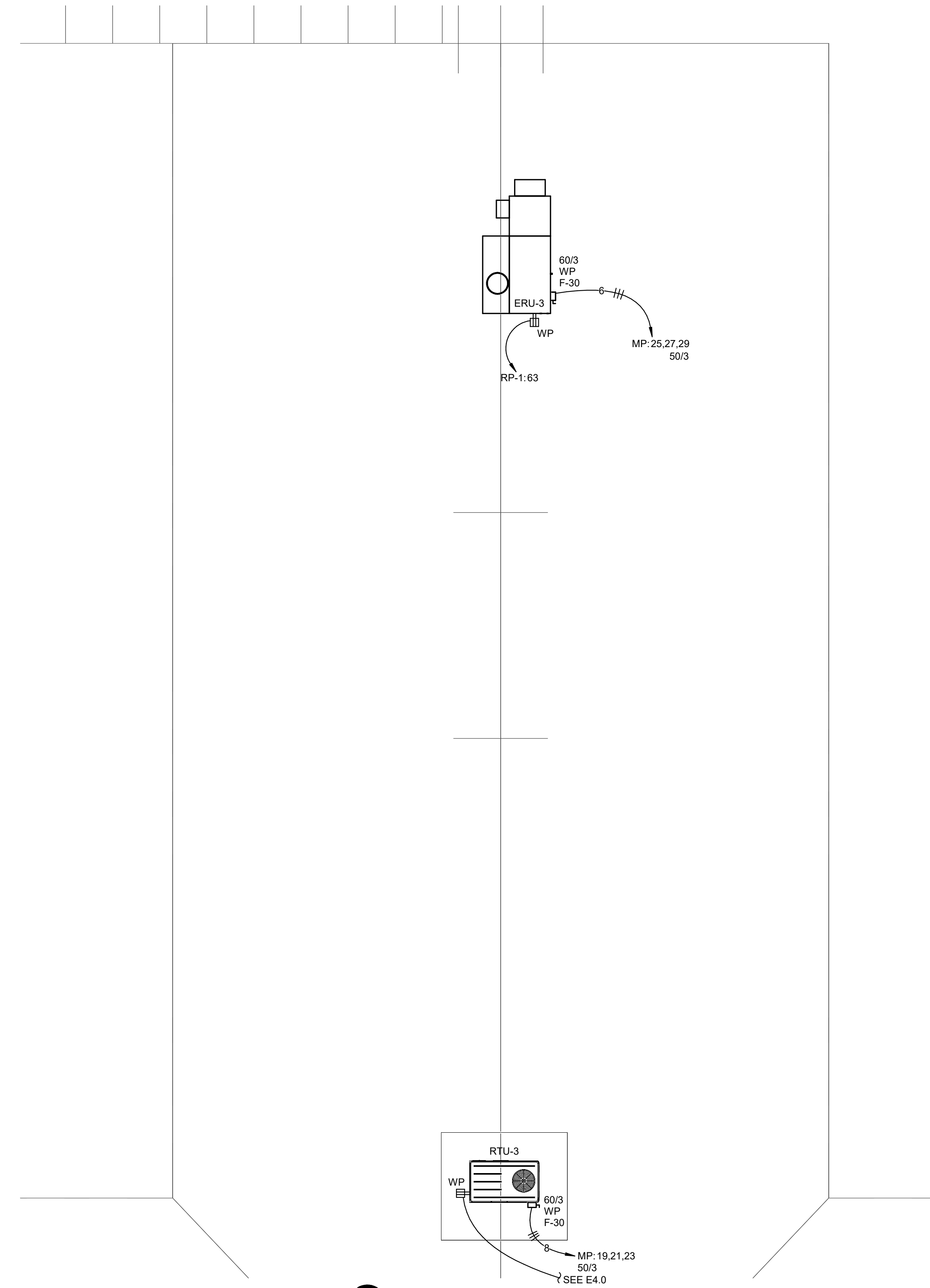
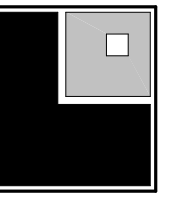


SHEET TITLE:
 ELECTRICAL - ROOF PLAN -
 PART A

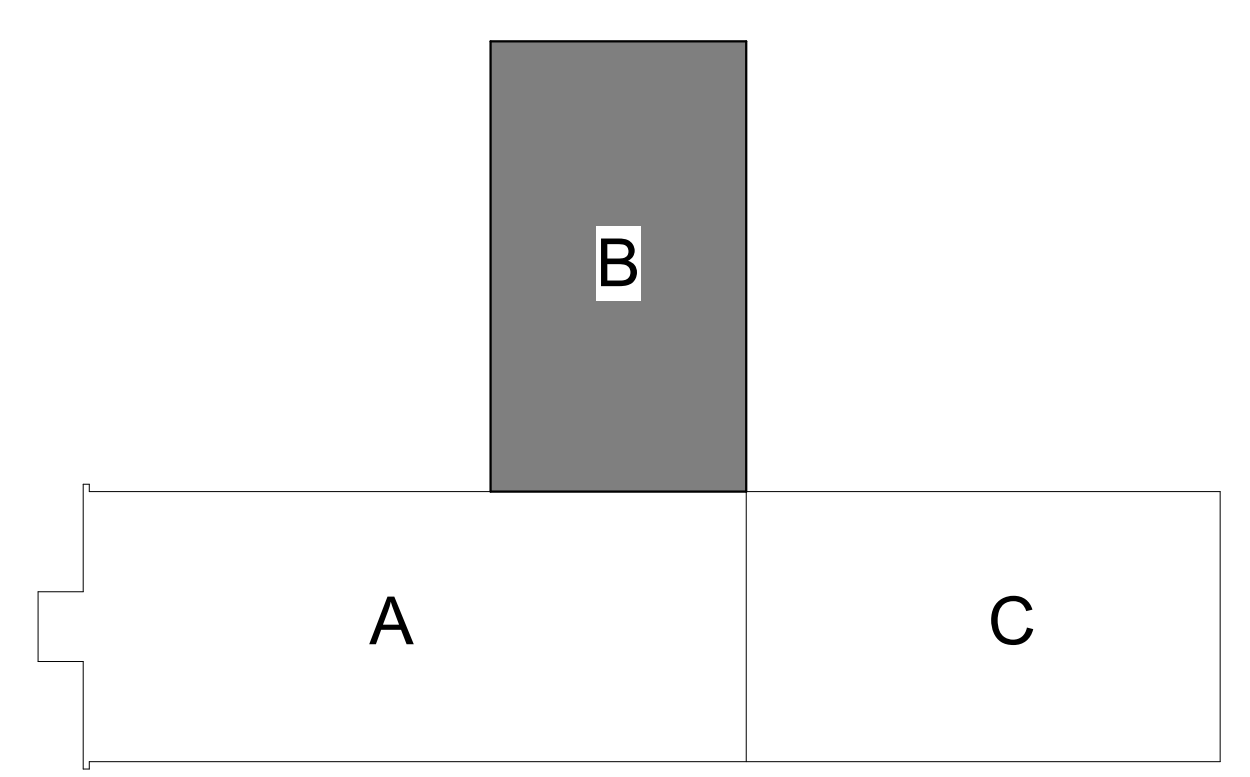
PROJ. MGR.: - AMM
 DRAWN: DB
 DATE: - 06/24/24
 REVISIONS

JOB NO. 24-38

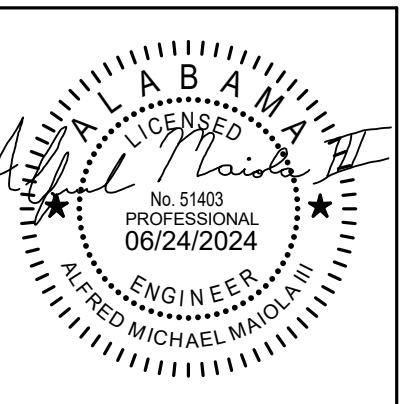
SHEET NO:
E4.0



1 ELECTRICAL - ROOF PLAN - PART B
 1/8" = 1'-0"
 NORTH



KEY PLAN
 SCALE: N.T.S.

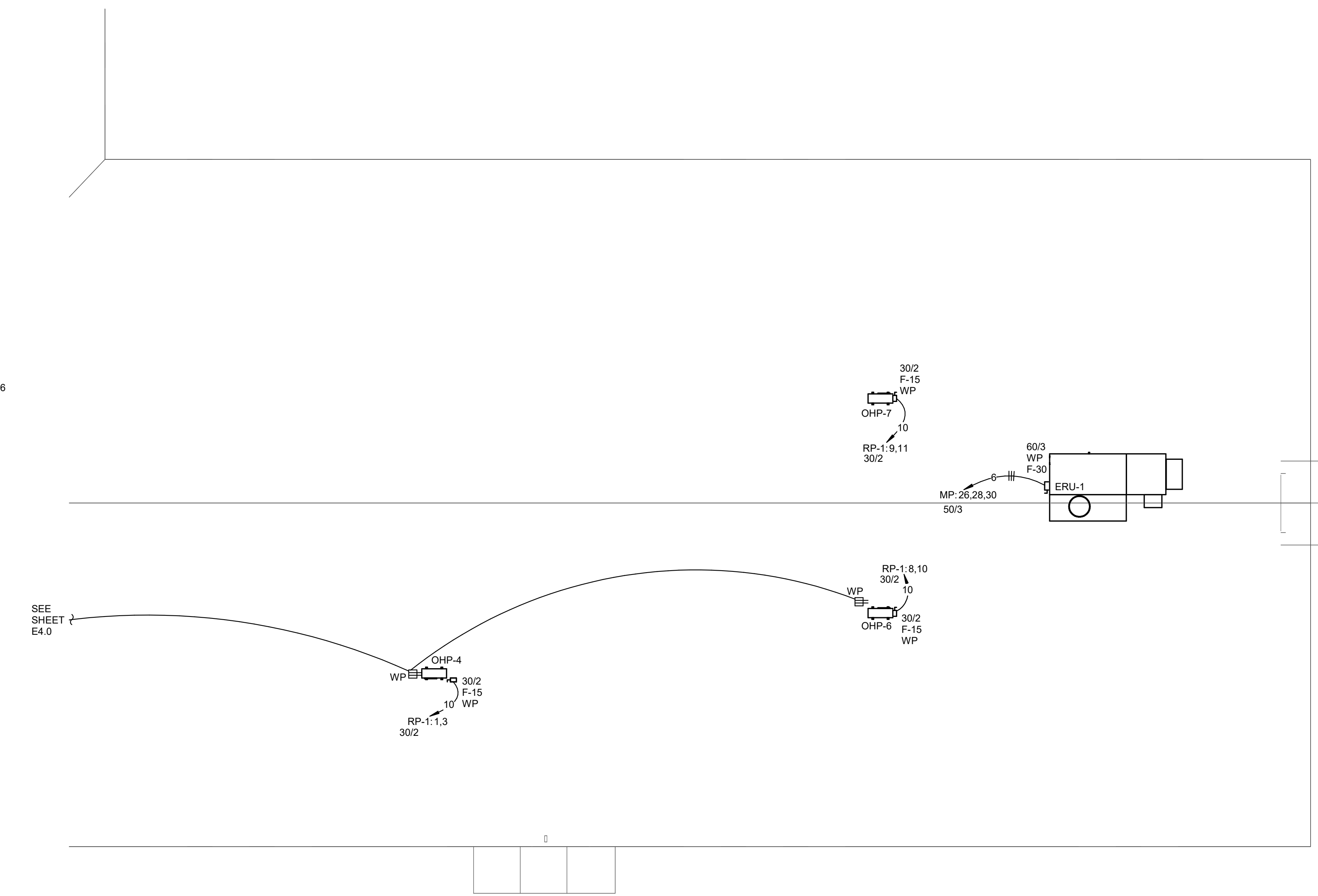
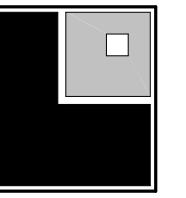


SHEET TITLE:
 ELECTRICAL - ROOF PLAN -
 PART B

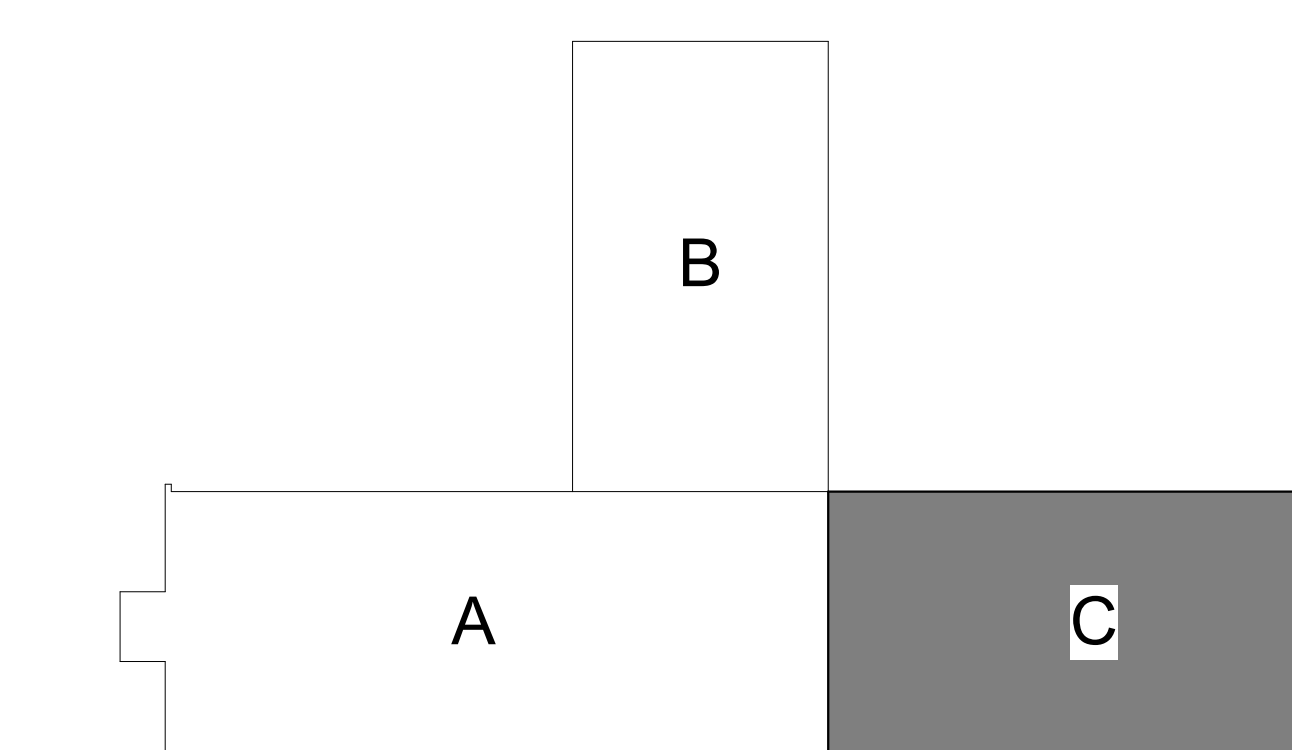
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 REVISIONS

JOB NO. 24-38

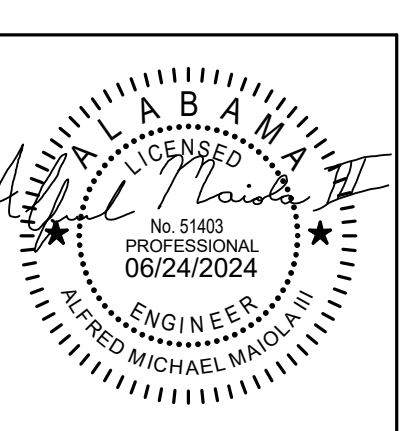
SHEET NO:
E4.1



1 ELECTRICAL - ROOF PLAN - PART C
 1/8" = 1'-0"



KEY PLAN
 SCALE: N.T.S.



SHEET TITLE:
 ELECTRICAL - ROOF PLAN -
 PART C

PROJ. MGR.: - AMM
 DRAWN: DB
 DATE: - 06/24/24
 REVISIONS

JOB NO. 24-38

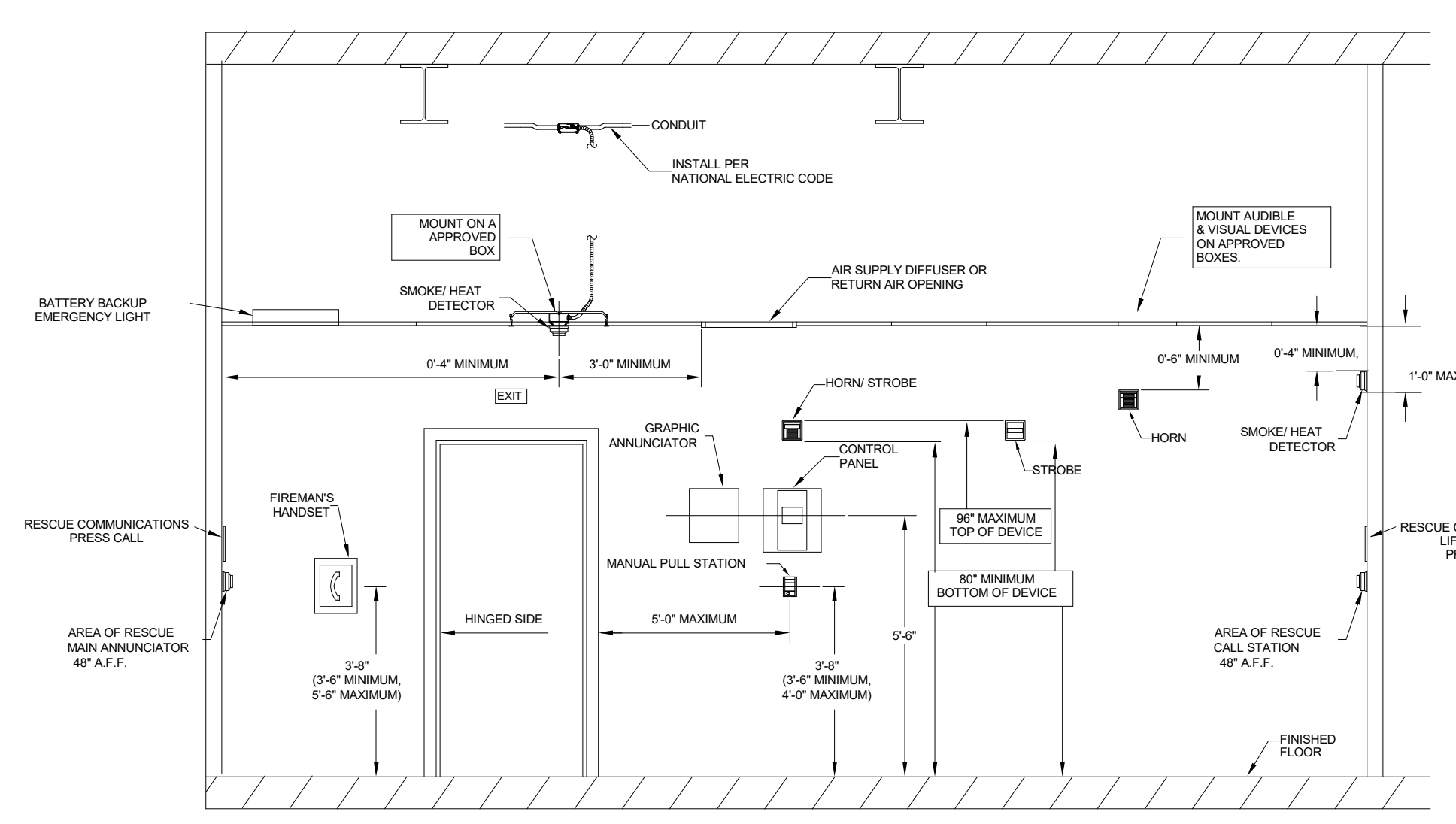
SHEET NO:
E4.2

OVERALL MATRIX

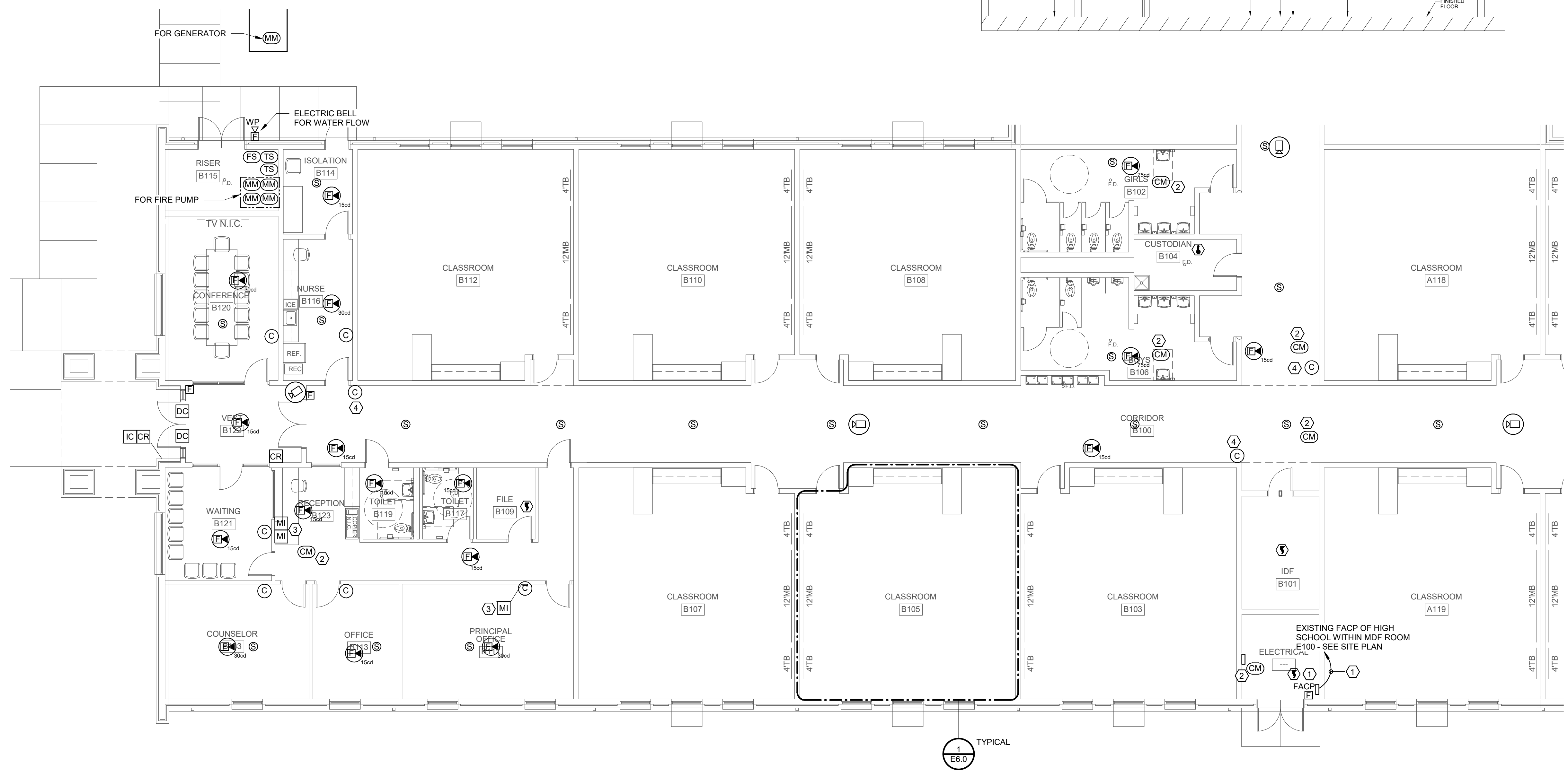
SCOPE OF PROJECT SHALL MATCH AS BELOW

FIRE ALARM SYSTEM INPUT/OUTPUT MATRIX	SYSTEM OUTPUTS	
	NOTIFICATION	NOTIFICATION BY SAFETY CONTROL
1. FIRE ALARM CONTROL PANEL		
2. CONTROL PANEL		
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100. CONTROL PANEL		

INSTALLATION REQUIREMENTS



GENERAL FIRE ALARM NOTES (APPLIES TO ALL FIRE ALARM SHEETS):
 A. SOUND LEVELS SHALL BE 15 dBA ABOVE AMBIENT SOUND LEVEL THROUGHOUT THE ENTIRE BUILDING. DEVICES SHALL MEET THE FOLLOWING SPECIFICATION:
 CEILING MOUNTED DEVICES
 1/4W - 80 dBA
 1/2W - 84 dBA
 1W - 87 dBA
 2W - 90 dBA
 WALL MOUNTED DEVICES
 1/4W - 77 dBA
 1/2W - 80 dBA
 1W - 83 dBA
 2W - 86 dBA
 B. ALL FIRE ALARM CABLING AND DEVICES SHALL BE IN CONDUIT. SEE SPECIFICATIONS.
 C. NEW BUILDING AND EXISTING BUILDING SHALL BE NETWORKED TOGETHER.
 D. FIRE ALARM MANUFACTURER SHALL BE EDWARDS TO MATCH EXISTING SYSTEM AND NETWORK.
 E. (WHERE ALTERNATE IS TAKEN) GYM BUILDING AND NEW BUILDING SHALL BE ONE NOTIFICATION ZONE. PROVIDE 2 HOUR CABLING BETWEEN FACP AND NAC (WITHIN THE GYM). THE EXISTING BUILDING AND THE NEW BUILDING SHALL EVACUATE/ALARM SEPARATELY.



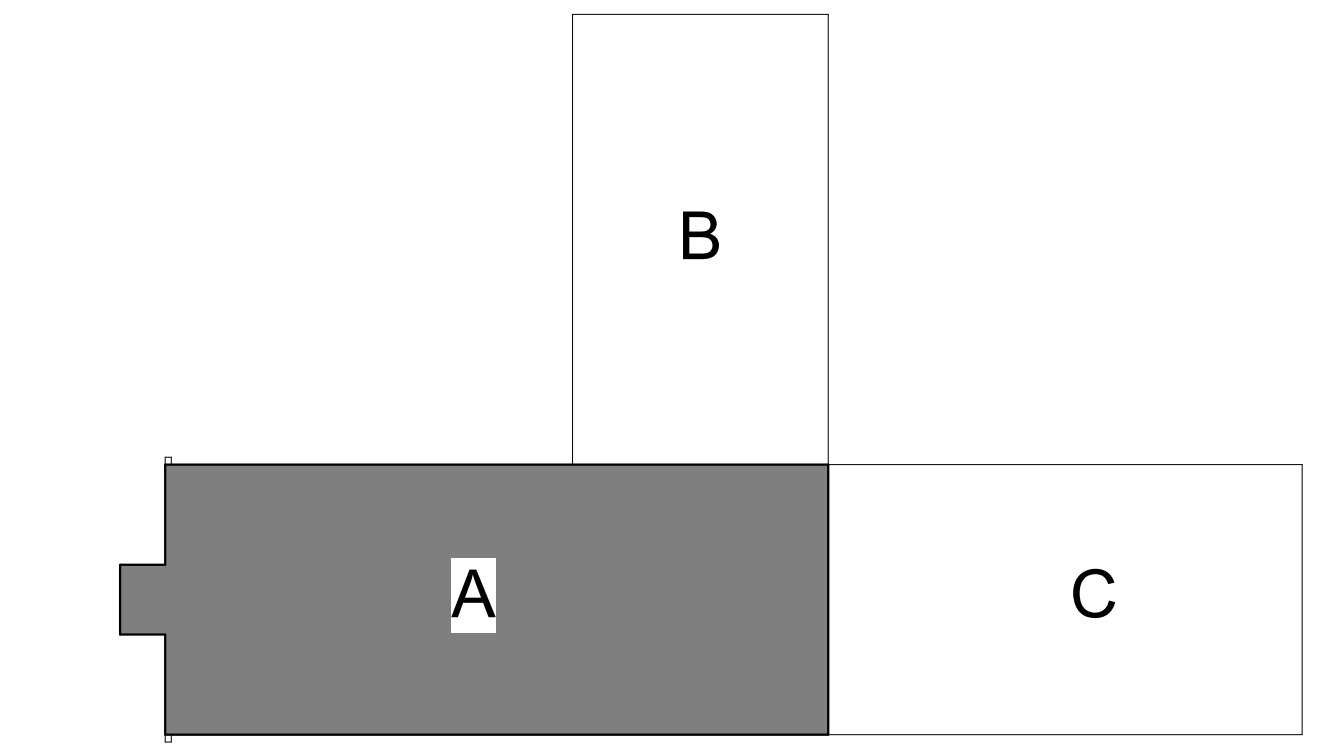
GENERAL AUXILIARY NOTES:

- A. SECURITY DEVICES ARE OFOL EC SHALL PROVIDE ALL BOXES AND WIRE SUPPORTS OUTSIDE OF ALLOWANCE. PROVIDE THE FOLLOWING ALLOWANCES LISTED BELOW IN NOTES 1 AND 2. ALLOWANCES COVER:
 - FURNISHING AND INSTALLING CAMERAS
 - FURNISHING AND INSTALLING CARD READERS AT THE TWO FRONT MAIN DOORS
 - FURNISHING AND INSTALLING VIDEO CALL IN FROM FRONT DOOR
 - FURNISHING AND INSTALLING WIRING FOR ALL CAMERAS AND CARD READERS
 - FURNISHING AND INSTALLING SECURITY ACCESS CONTROL PANELS
 - FURNISHING AND INSTALLING 64 CHANNEL NVR WITH 12TB HDD AND A 3 MONITOR VIDEO WALL WITH A WORKSTATION. FURNISHING 1 YEAR OF LICENSES.
- ALLOWANCES:
 1. CCTV SYSTEM - \$65,000.00. INCLUDES INSTALLATION OF 39 CAMERAS, A 64 CHANNEL NVR WITH 12TB HDD, 1 YEAR OF LICENSES AND A 3 MONITOR VIDEO WALL WITH A WORKSTATION.
 2. ACCESS CONTROL - \$9000.00. INCLUDES VIDEO ACCESS WITH INTERCOM ON MAIN DOOR, AND ACCESS ON INTERIOR DOOR.
- B. EC SHALL PROVIDE ALL DEVICES, RACEWAYS, BOXES, J-HOOKS, DATA RACK, HORIZONTAL CABLING, FIBER OPTIC CABLING, TESTING, AND TERMINATING UNLESS OTHERWISE NOTED.
- C. WIRELESS ACCESS POINT DEVICES ARE OFOL. EC SHALL PROVIDE ALL CABLING AND BOXES. SEE DETAIL FOR WIRELESS ACCESS POINTS.
- D. UNLESS OTHERWISE NOTED, ALL DATA CABLES WITHIN THE SCOPE OF WORK WIN THE SCHOOL SHALL BE ROUTED TO NEW IDF DATA RACK AND ALL DATA CABLES WITHIN THE GYM SHOULD BE ROUTED TO TBB-G.
- E. SPEAKERS, INTERCOM, AND ALL ASSOCIATED EQUIPMENT SHALL BE CFCI. PROVIDE RACEWAYS, PATHWAYS, AND BOXES AS REQUIRED.
- F. PROVIDE BUSHING ON ALL EMPTY CONDUITS. PROVIDE PULLSTRINGS ON ALL EMPTY CONDUITS.
- G. LOW VOLTAGE WIRING SHALL NOT BE PERMITTED TO RUN IN WALLS WITHOUT A RACEWAY. A 3/4\"/>

1 AUXILIARY - FLOOR PLAN - PART A
 1/8" = 1'-0"

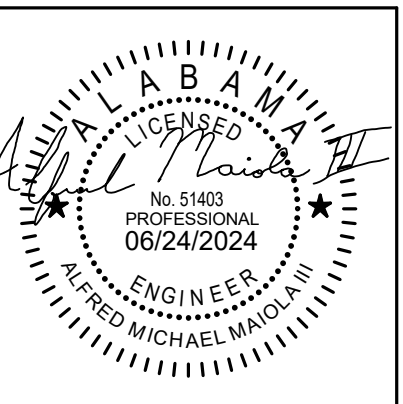
AUXILIARY - FLOOR PLAN - PART A KEYNOTES:

- ① NETWORK BACK TO THE EXISTING BUILDING'S FIRE ALARM CONTROL PANEL. PROVIDE SINGLE MODE FIBER.
- ② FIRE ALARM WIRING INTERFACE TO LCP OR LIGHTING MODULE (RESPECTIVELY). ALL AUTOMATICALLY SWITCHED LIGHTING WITHIN THE MEANS OF EGRESS SHALL BE CONNECTED TO THE FIRE ALARM SYSTEM. UPON ACTIVATION, THE LIGHTS SHALL BE SWITCHED TO "ON" AND FULL BRIGHT.
- ③ ADMIN PHONE
- ④ PROVIDE CLOCK WITH DUAL FACE DISPLAY



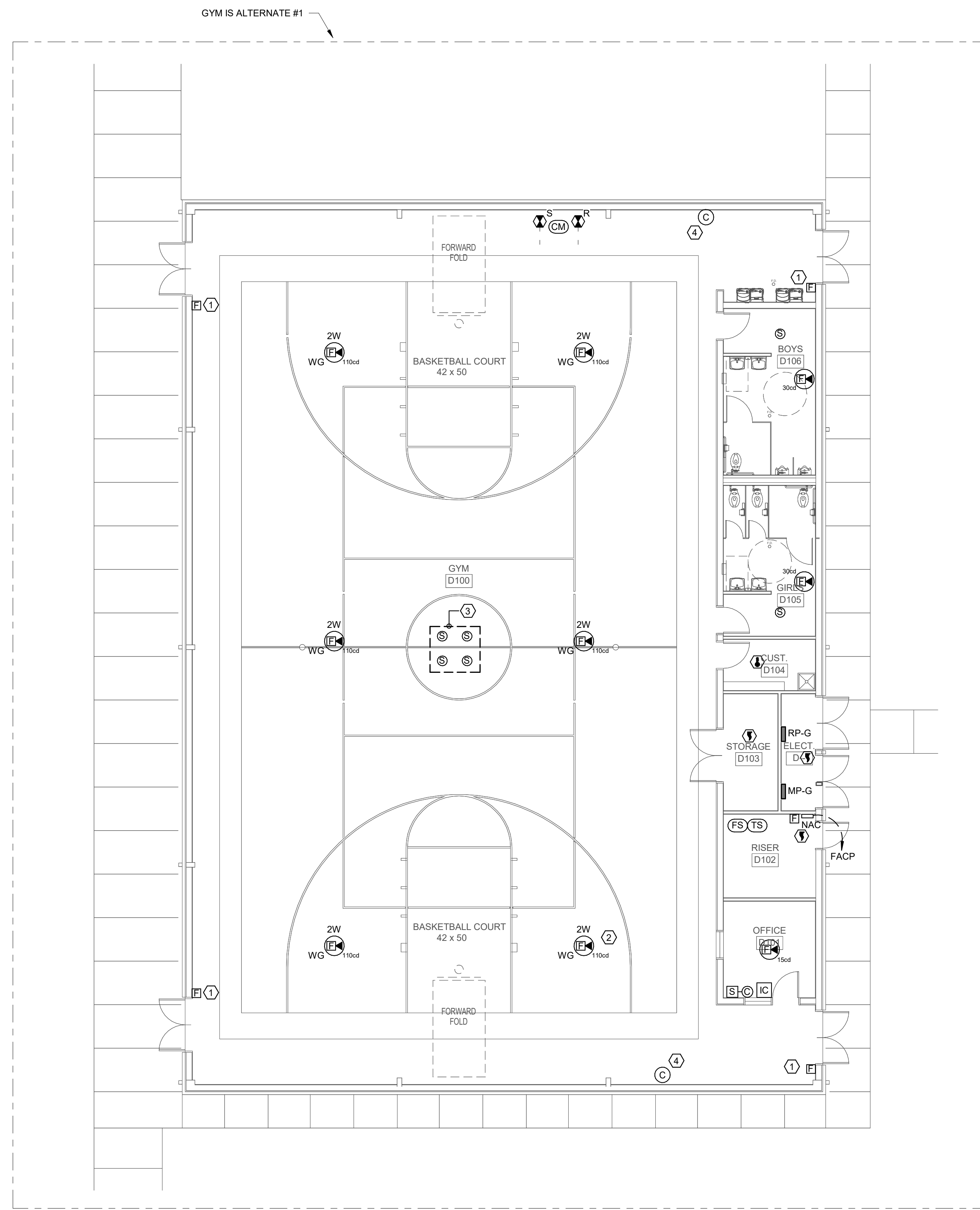
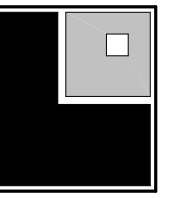
KEY PLAN
 SCALE: N.T.S.

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
 13878 US HIGHWAY 11, YORK, AL 36925
 SUMTER COUNTY BOARD OF EDUCATION



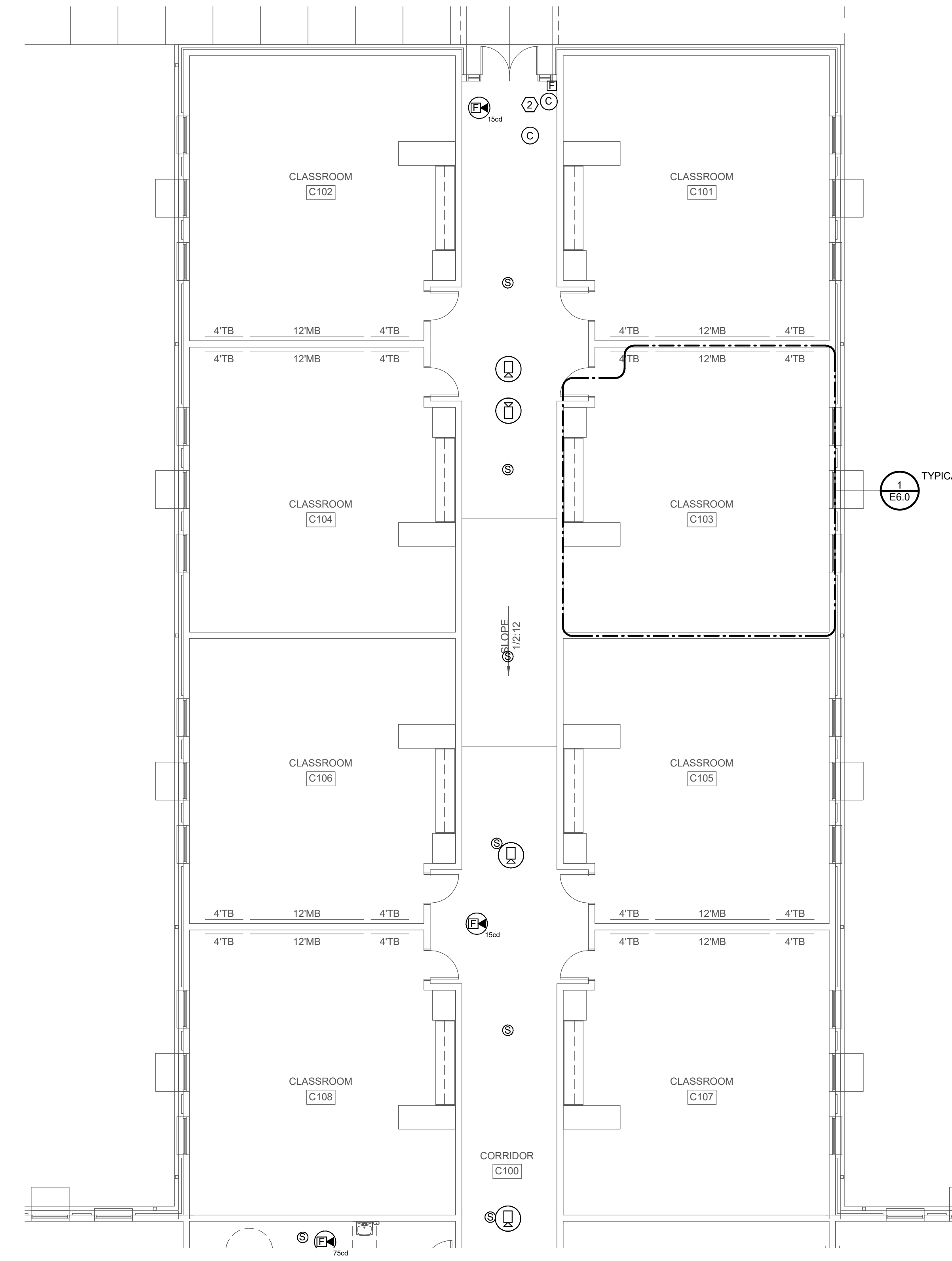
SHEET TITLE:
 AUXILIARY - FLOOR PLAN - PART A

PROJ. MGR.:	AMM
DRAWN:	DB
DATE:	06/24/24
REVISIONS	



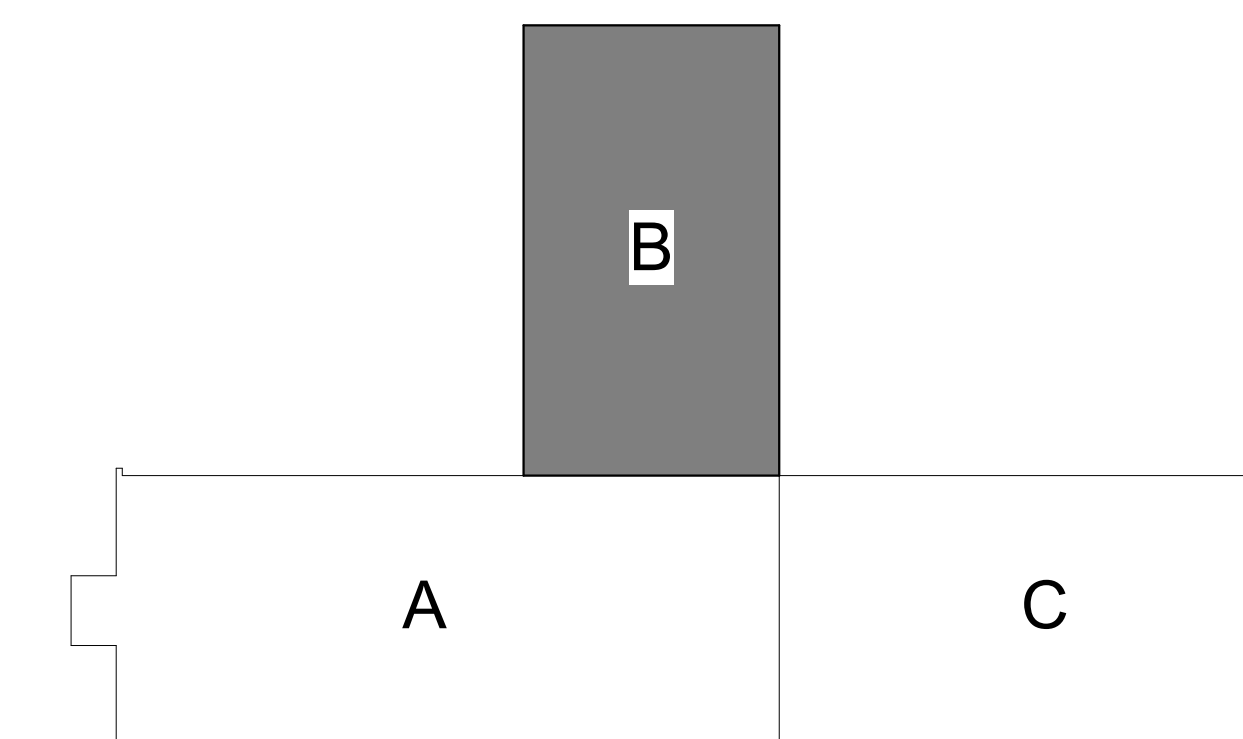
2 AUXILIARY - GYM FLOOR PLAN
 1/8" = 1'-0"

- AUXILIARY - GYM FLOOR PLAN KEYNOTES:**
- ① PULL STATION SHALL HAVE A CLEAR, POLYCARBONATE COVER WITH WARNING HORN. COVER SHALL BE UL LISTED AND ADA COMPLIANT. TYPICAL.
 - ② PROVIDE WIREGUARD FOR GYM NOTIFICATION DEVICES. TYPICAL.
 - ③ PROVIDE (4) SPEAKER HORNS FOR INTERCOMM SYSTEM
 - ④ PROVIDE (4) WITH WIRE GUARD

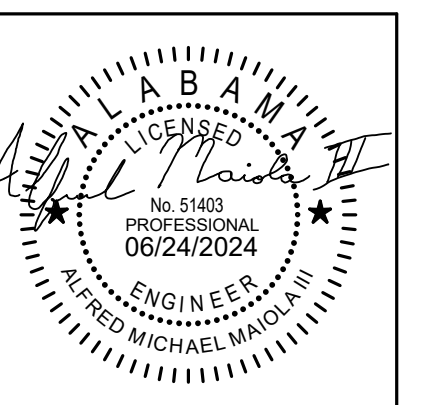


1 AUXILIARY - FLOOR PLAN - PART B
 1/8" = 1'-0"

- AUXILIARY - FLOOR PLAN - PART B KEYNOTES:**
- ① FOR MAG LOCKS, DOORS SHALL RELEASE UPON LOSS OF POWER AND/OR ACTIVATION OF THE FIRE ALARM SYSTEM.
 - ② PROVIDE CLOCK WITH DUAL FACE DISPLAY



KEY PLAN
 SCALE: N.T.S.



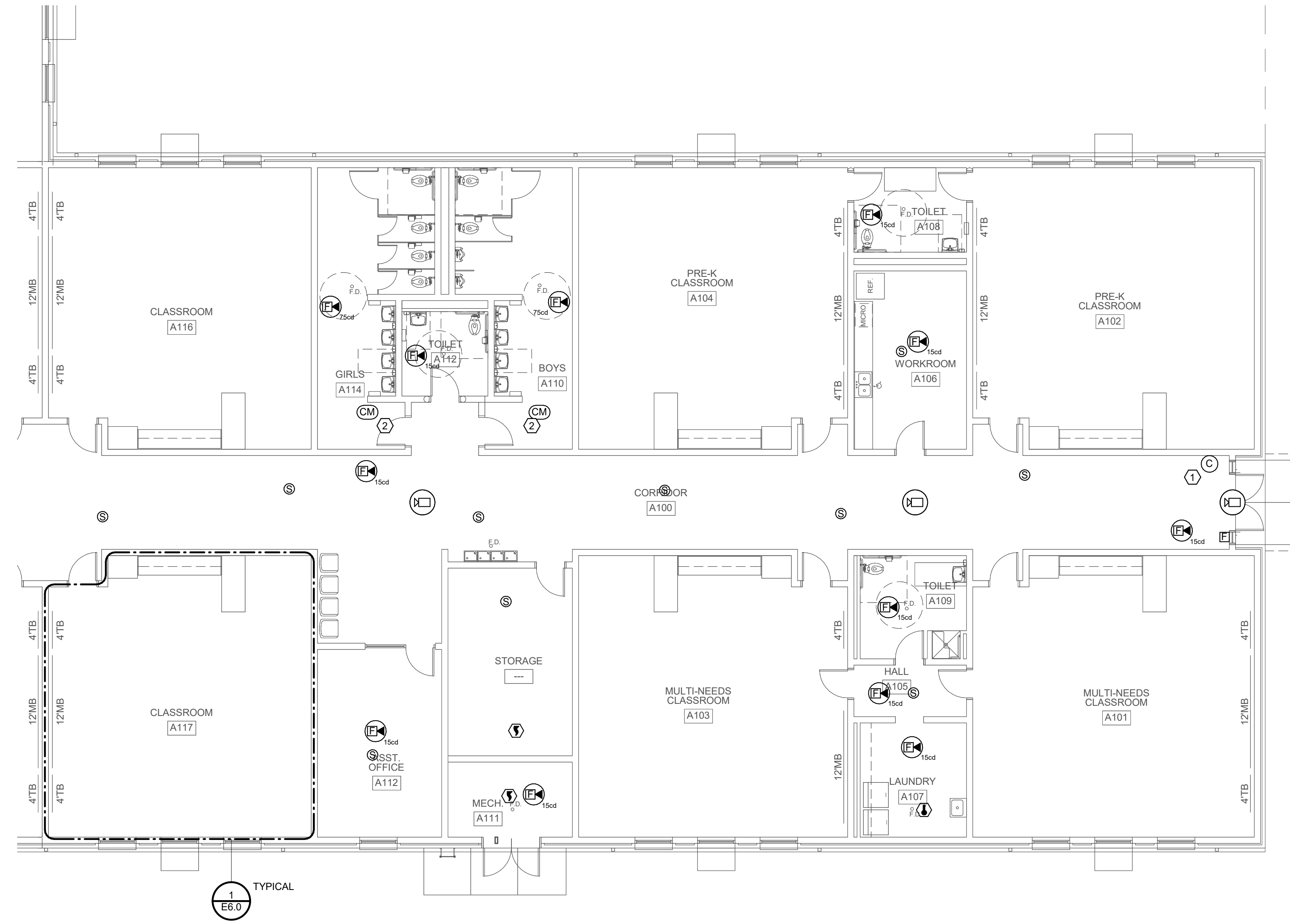
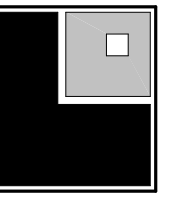
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 AUXILIARY - FLOOR PLAN -
 PART B

PROJ. MGR.: -- AMM
 DRAWN: DB
 DATE: -- 06/24/24
 REVISIONS

JOB NO. 24-38

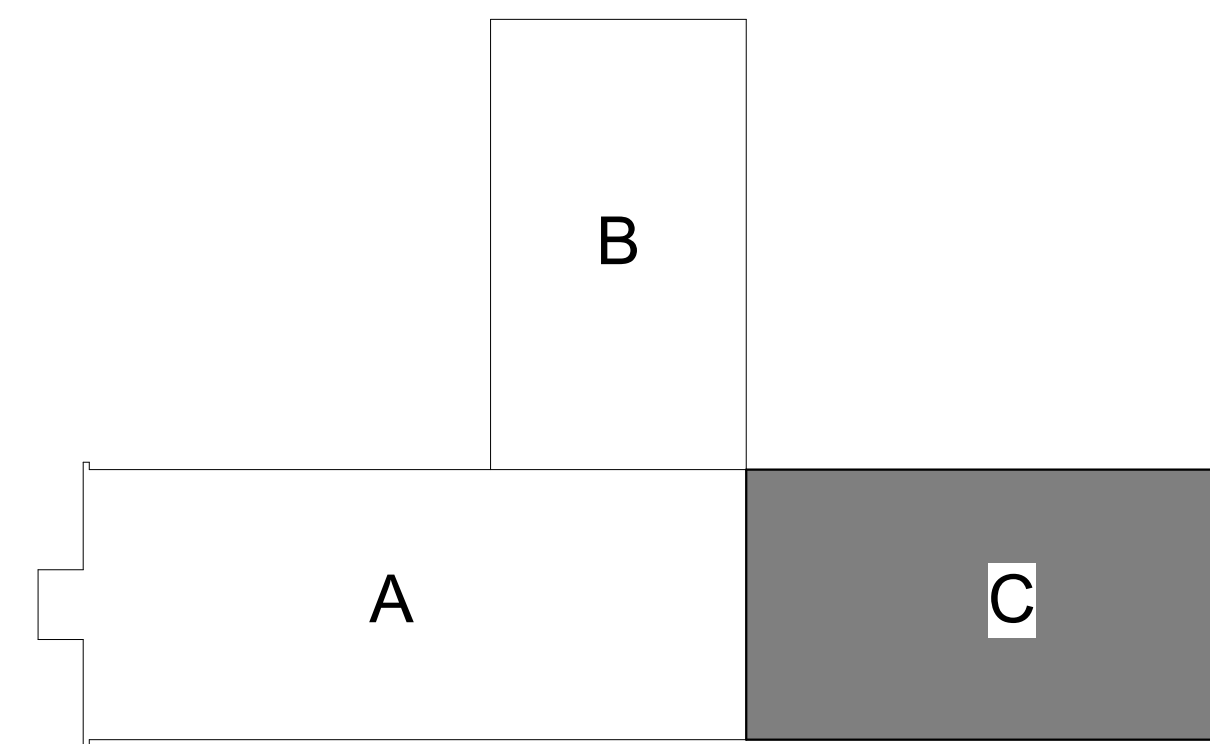
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18 OF 20

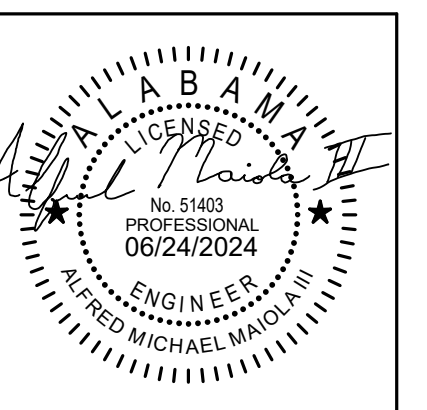


1 AUXILIARY - FLOOR PLAN - PART C
 NORTH 1/8" = 1'-0"

SHEET KEYNOTES:
 ① PROVIDE CLOCK WITH DUAL FACE DISPLAY



KEY PLAN
 SCALE: N.T.S.



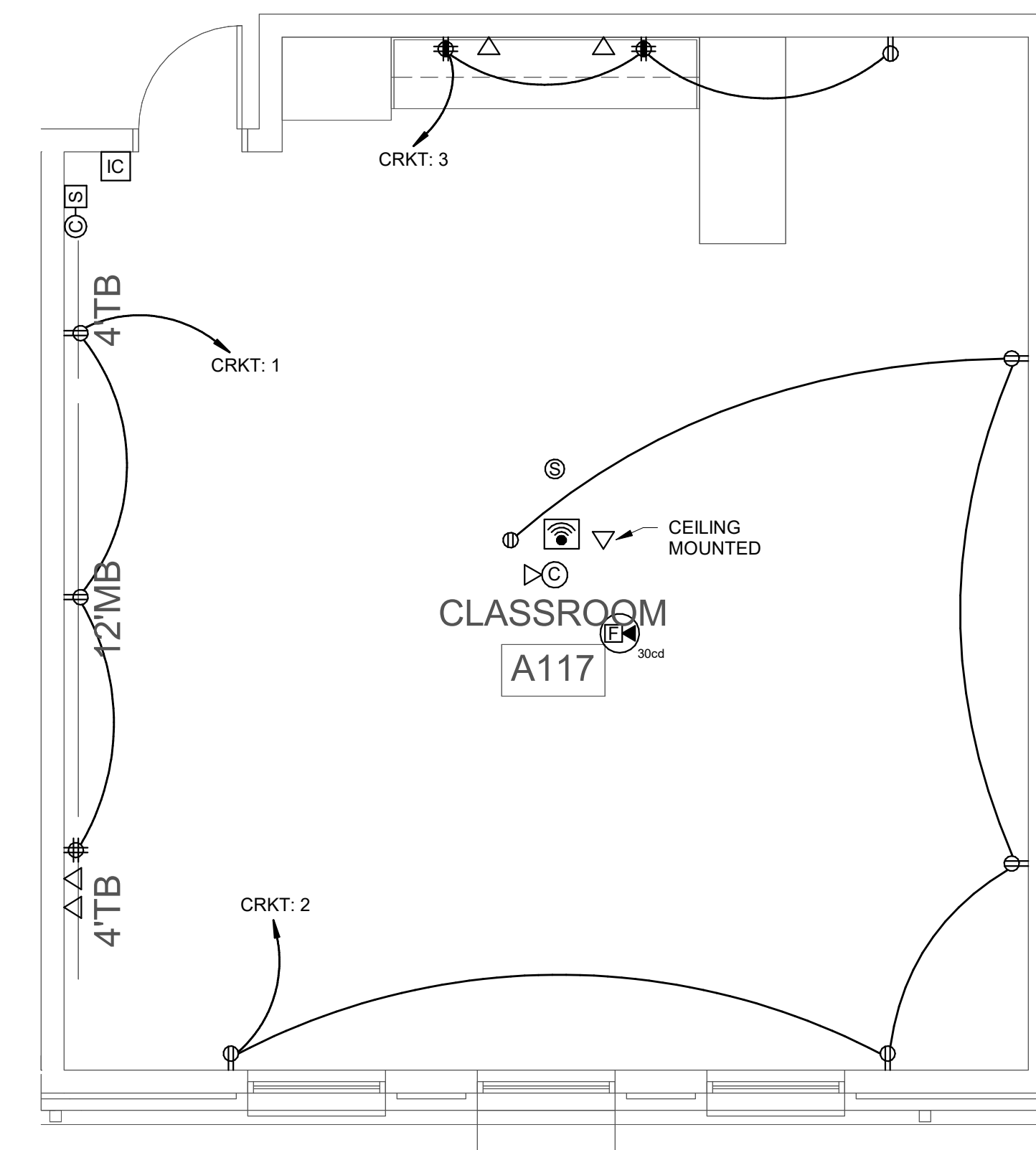
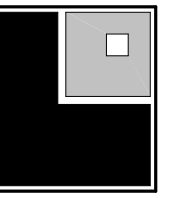
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 AUXILIARY - FLOOR PLAN -
 PART C

PROJ. MGR.: - AMM
 DRAWN: DB
 DATE: - 06/24/24
 REVISIONS

JOB NO. 24-38

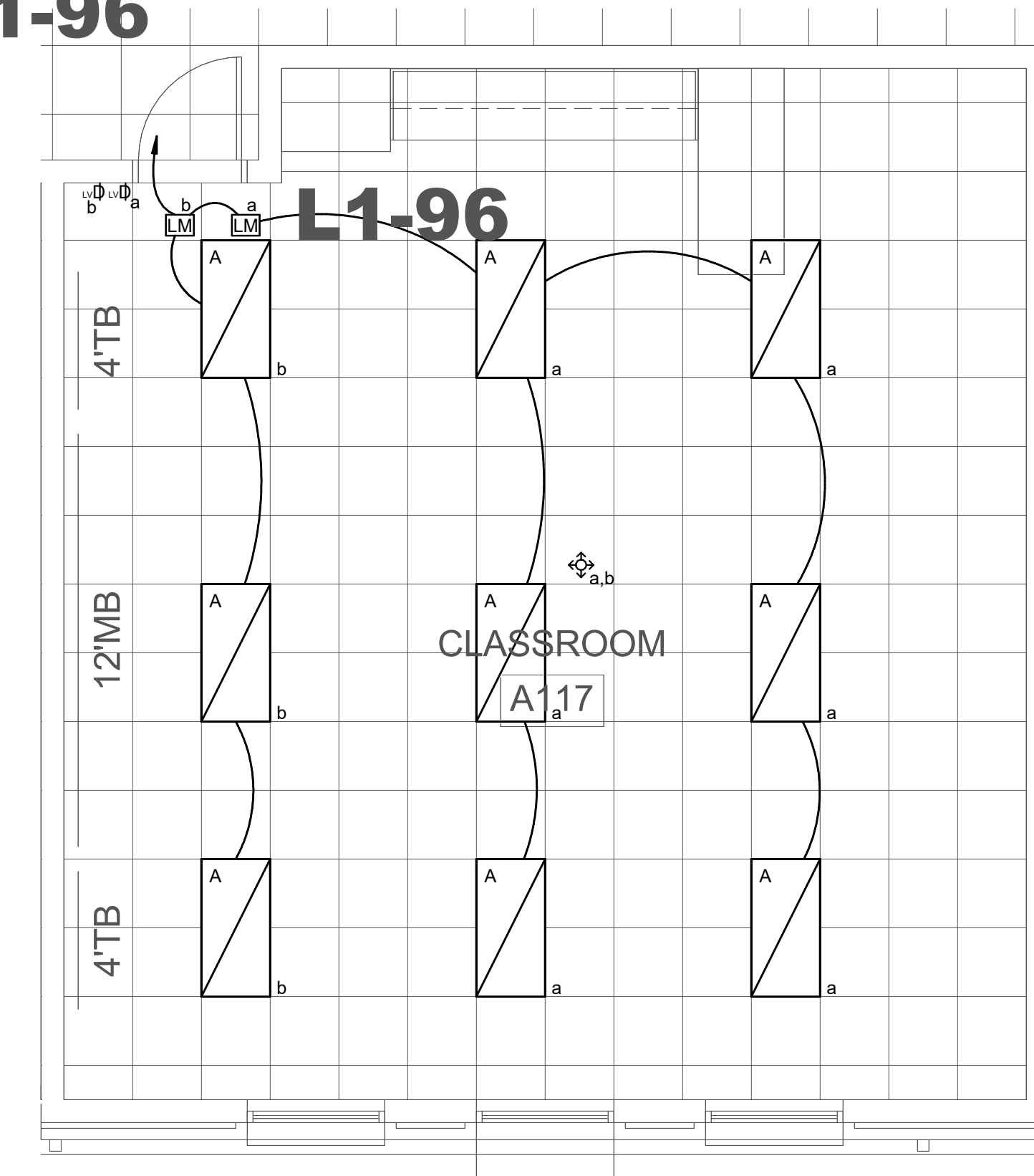
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19 OF 20

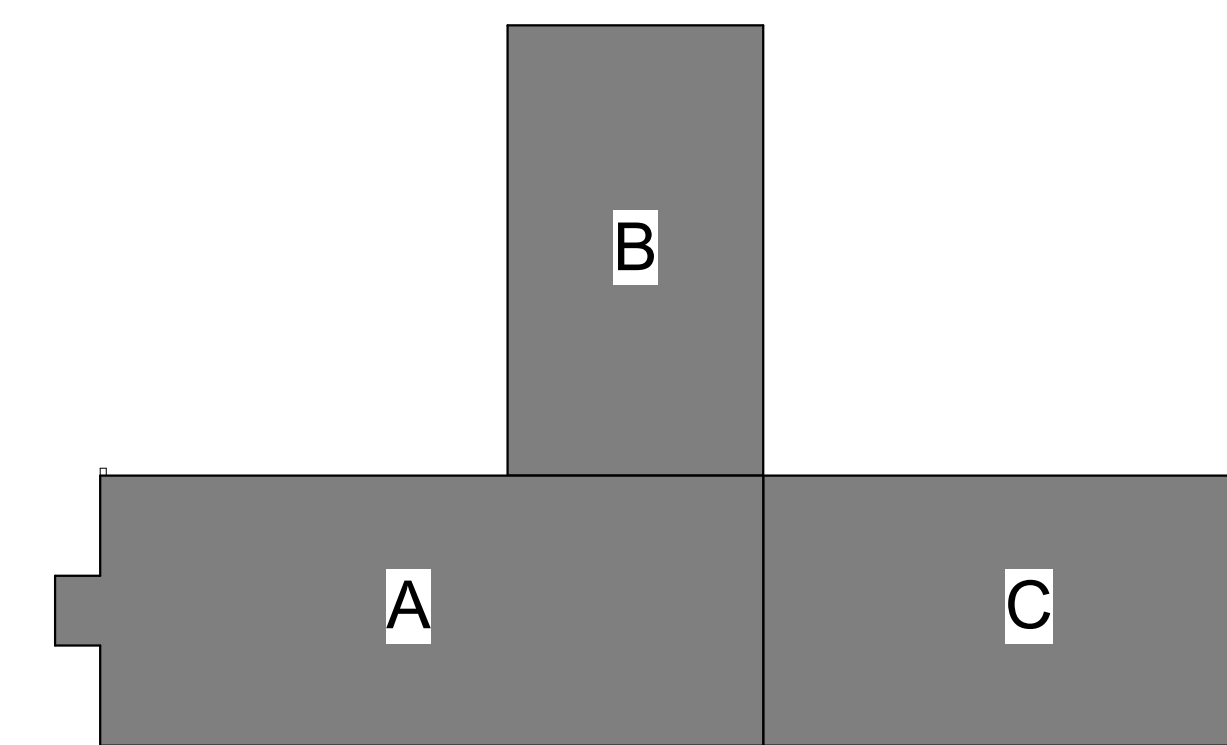


1 POWER AND VOICE/DATA - TYPICAL CLASSROOM PLAN
 1/4" = 1'-0"

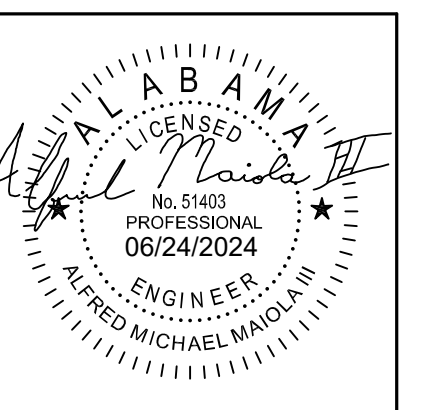
L1-96



2 LIGHTING - TYPICAL CLASSROOM PLAN
 1/4" = 1'-0"



KEY PLAN
 SCALE: N.T.S.



SHEET TITLE:
 ELECTRICAL - ENLARGED
 PLANS

PROJ. MGR.: - AMM
 DRAWN: - DB
 DATE: - 06/24/24
 REVISIONS

JOB NO. 24-38

SHEET NO:
E6.0

20 OF 20