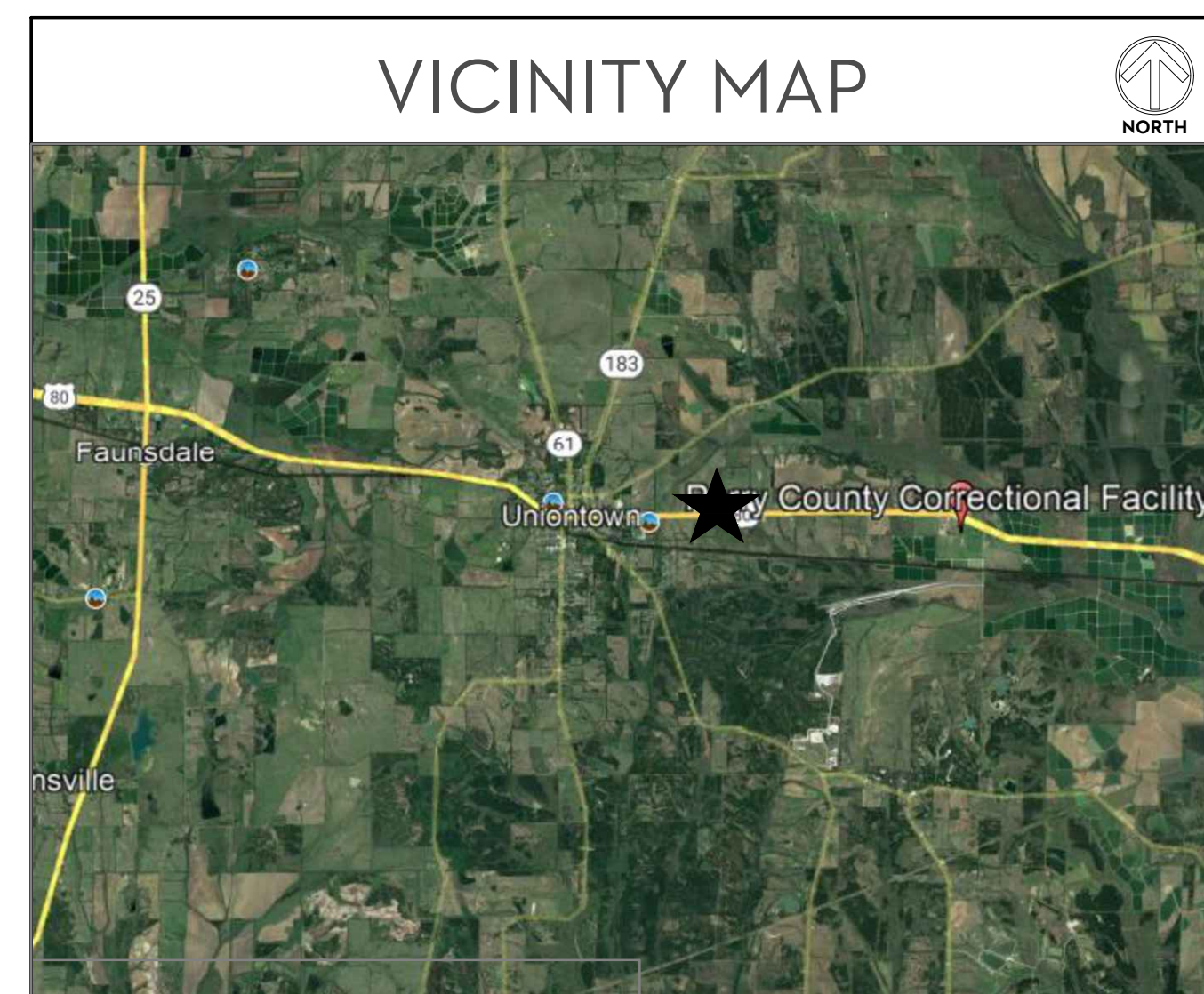


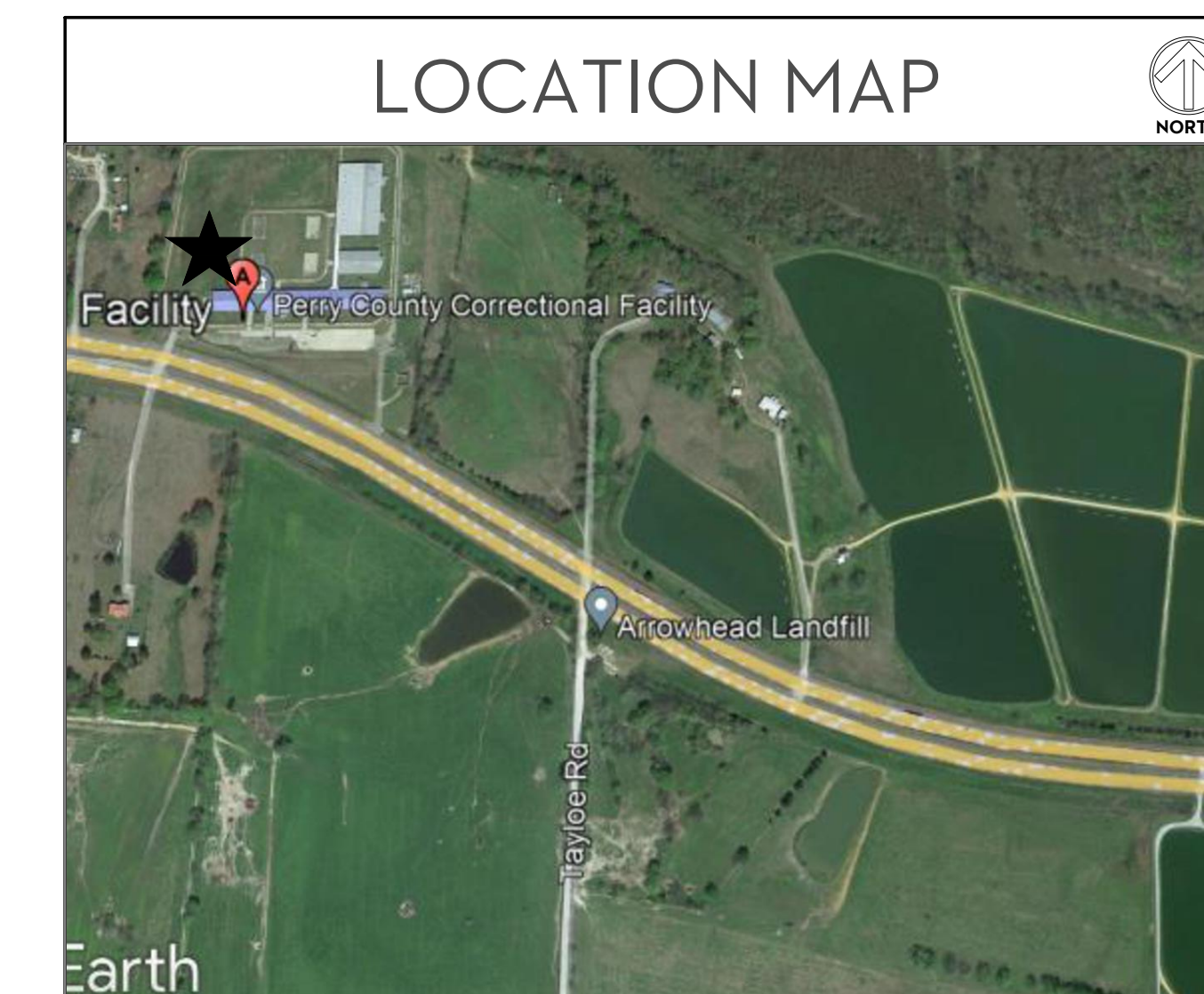
# NEW ISTC BUILDING AT PERRY COUNTY CORRECTIONAL FACILITY FOR J.F. INGRAM STATE TECHNICAL COLLEGE UNIONTOWN, ALABAMA

GOODWYN MILLS CAWOOD, LLC  
MORRIS DAVIS ENGINEERING, LLC  
BLACKBURN DANIELS O'BARR

ARCHITECTURE, CIVIL, ELECTRICAL  
MECHANICAL AND PLUMBING  
STRUCTURAL



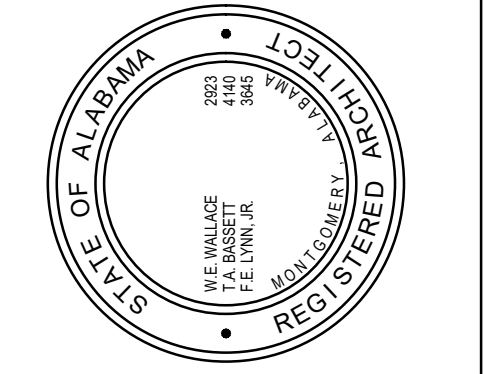
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PERRY COUNTY, ALABAMA

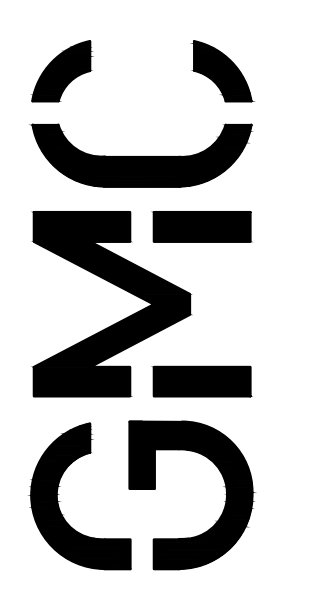
GMC Project #AMGM240006  
CONSTRUCTION DRAWINGS



TITLE SHEET

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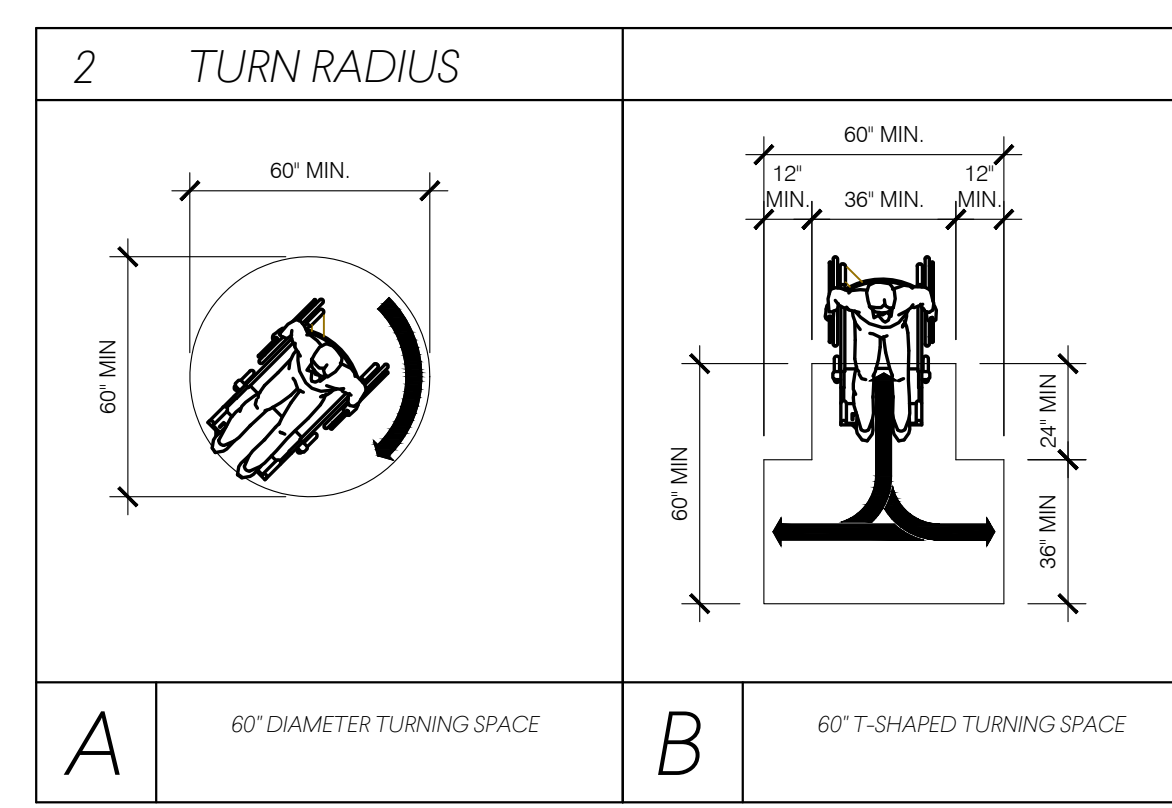
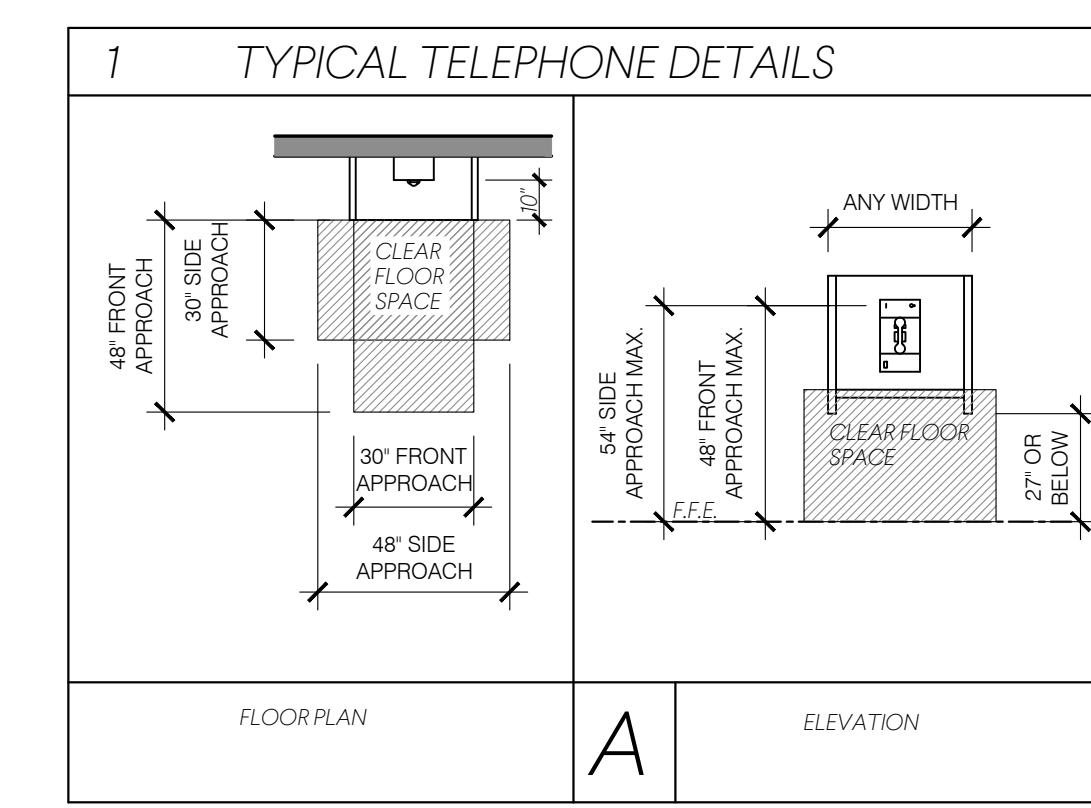
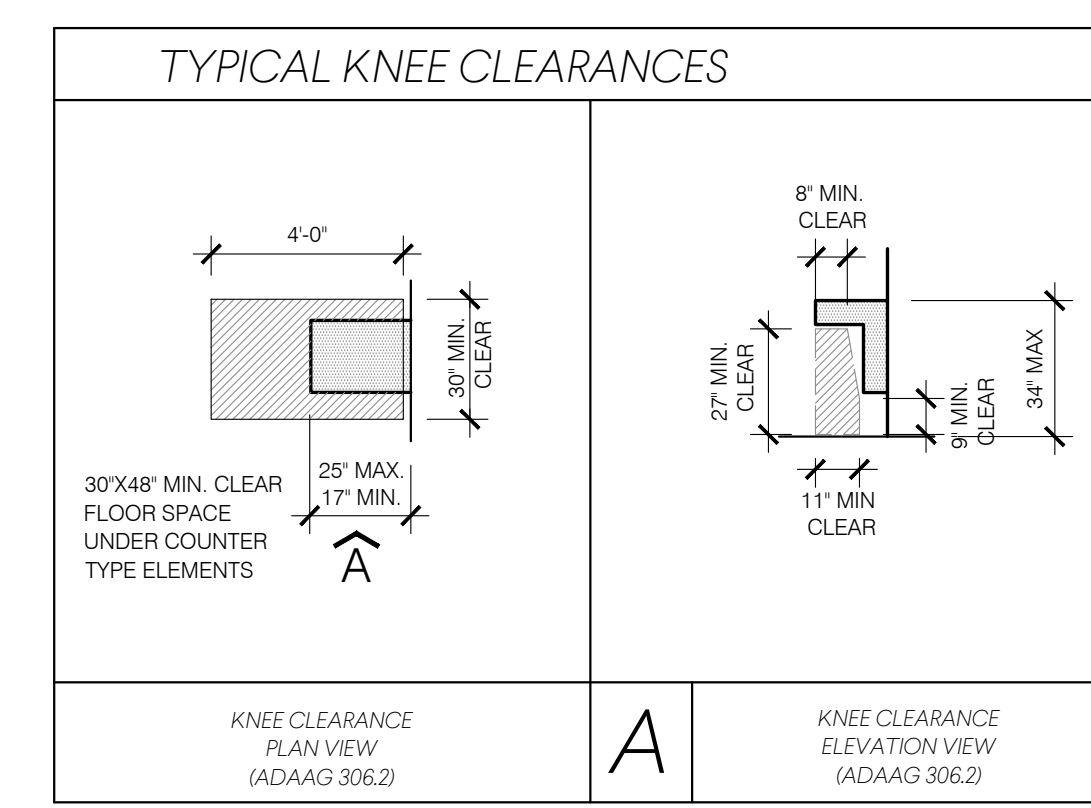
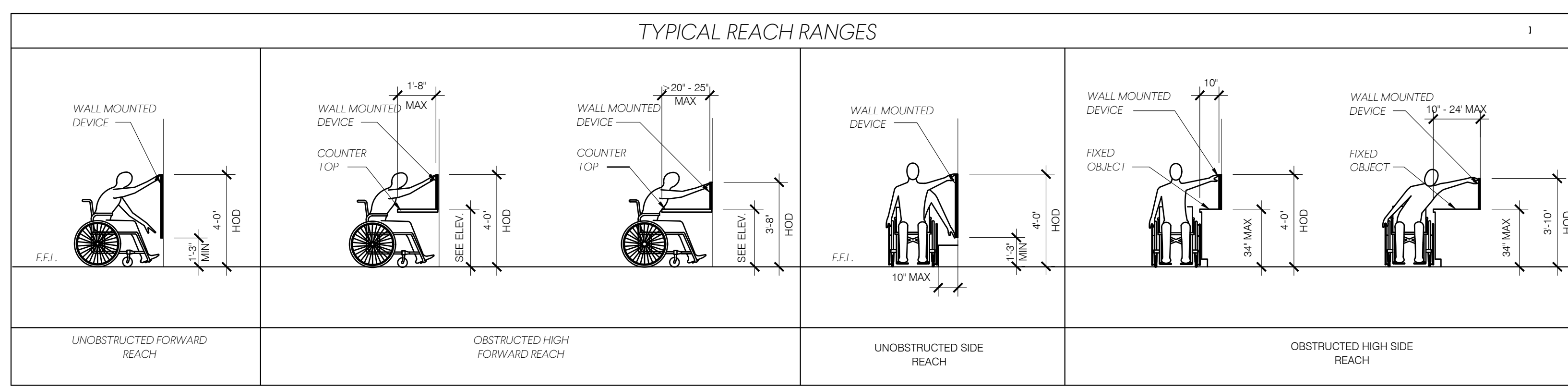
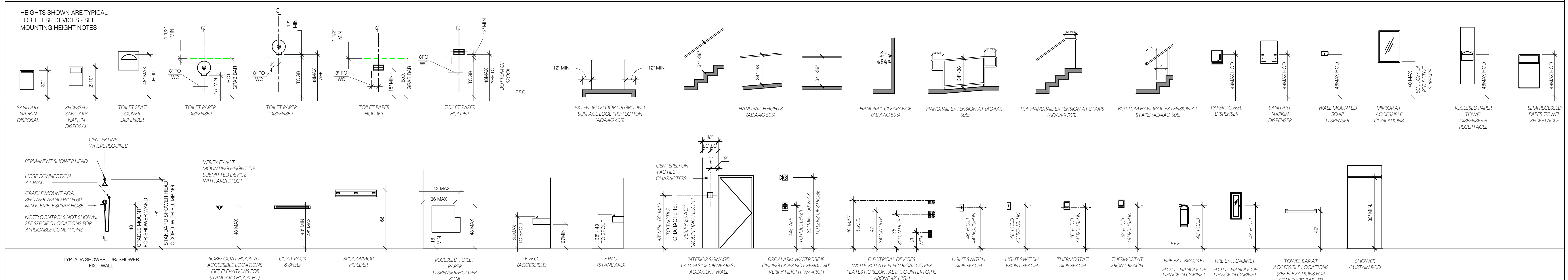


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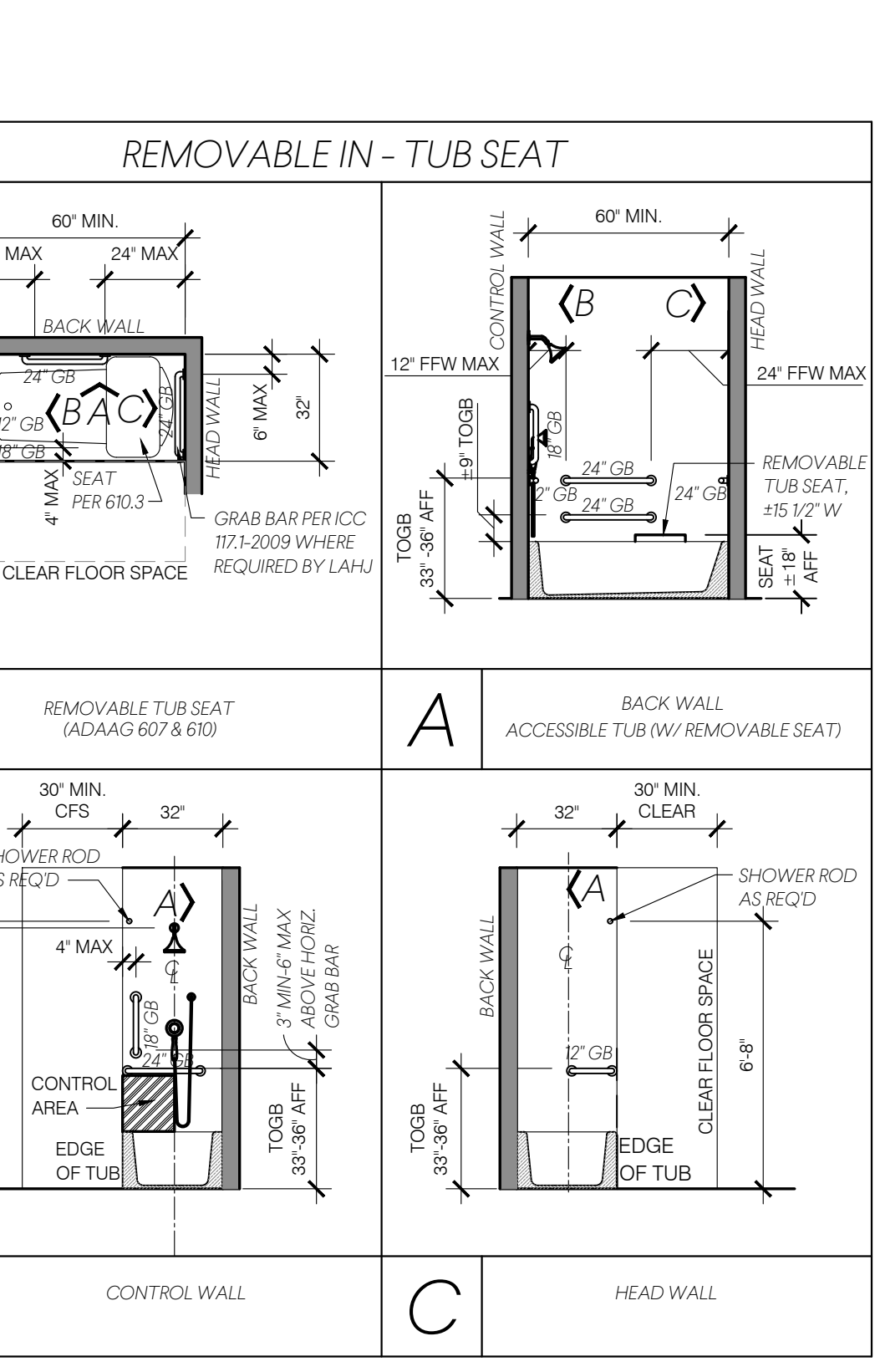
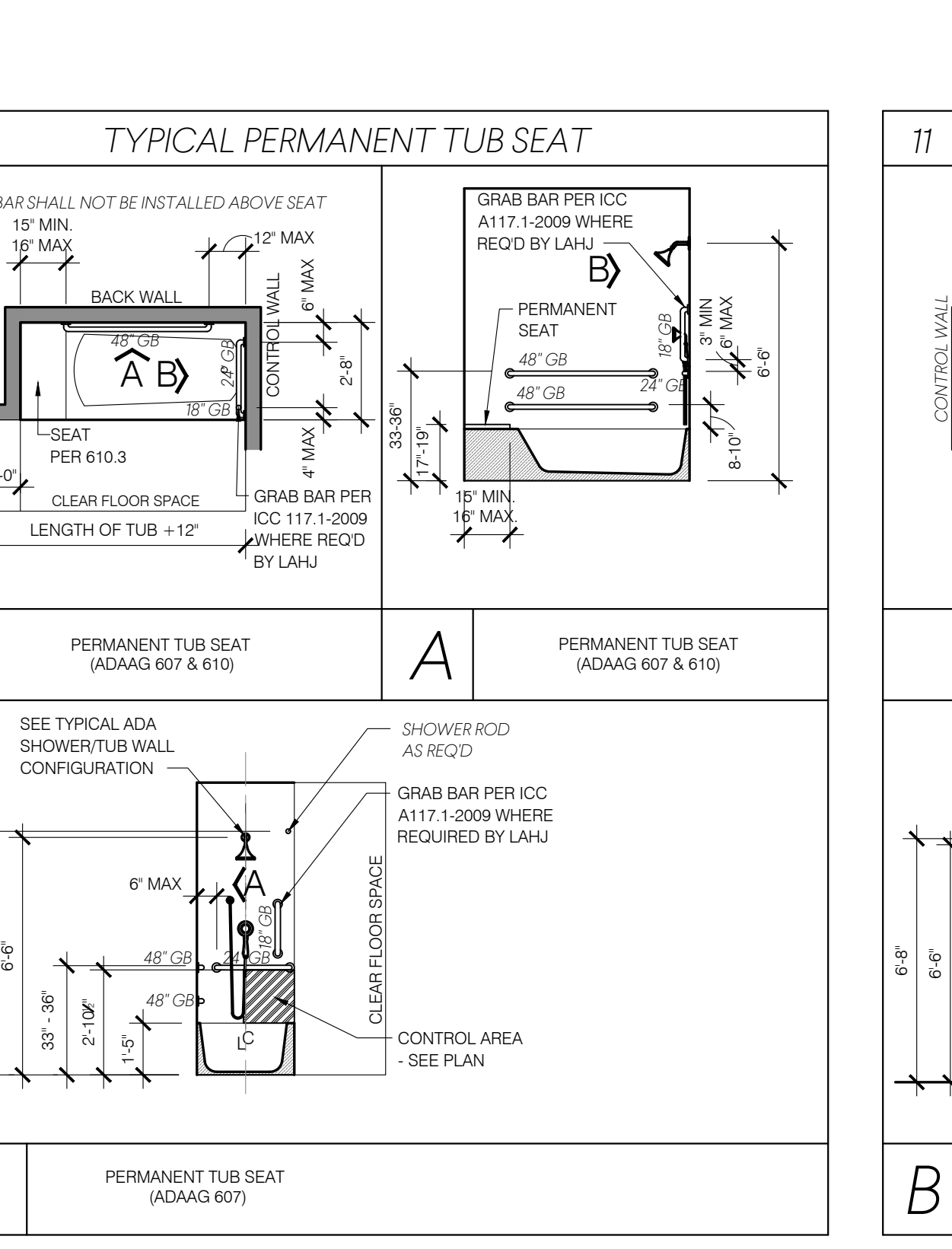
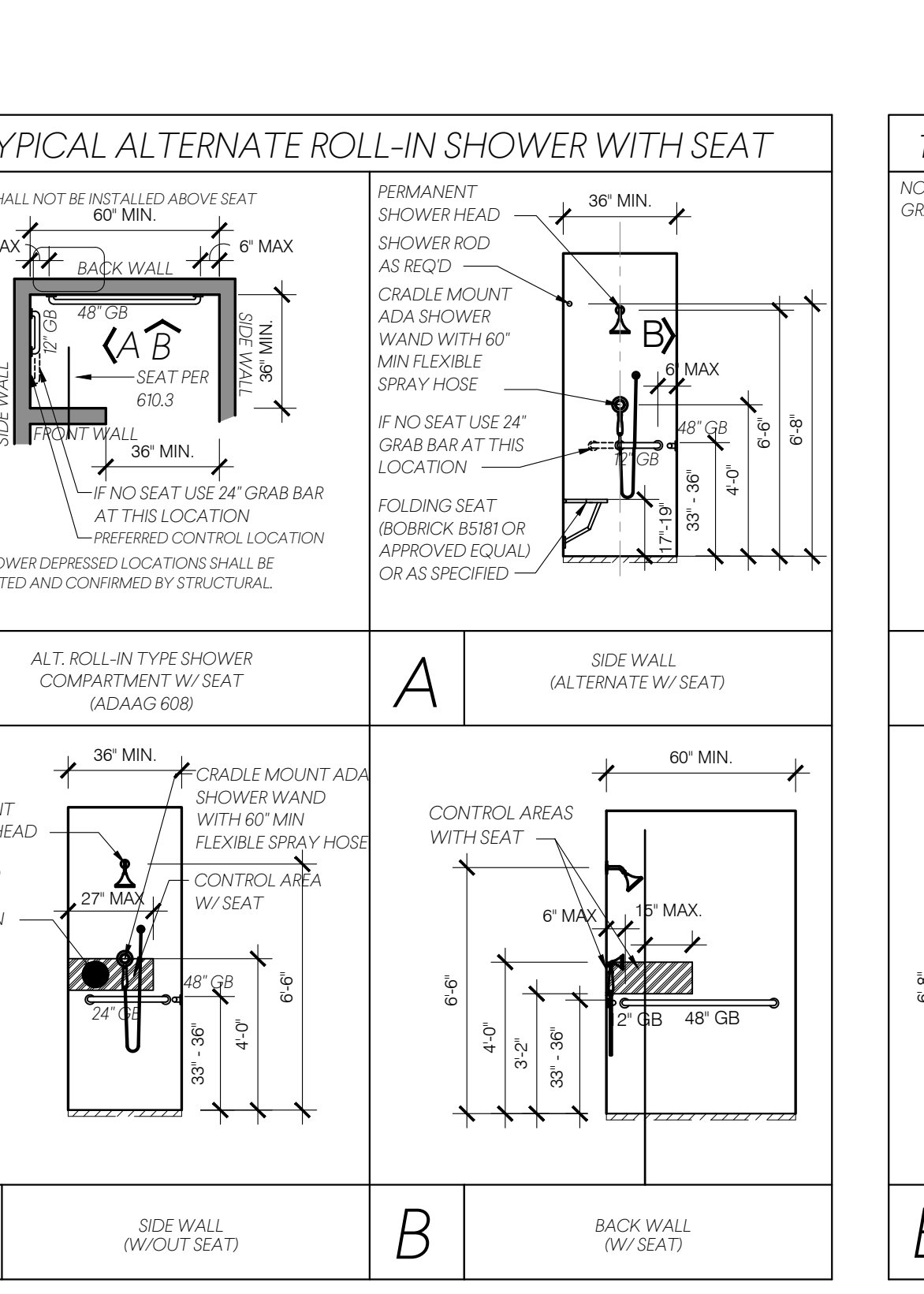
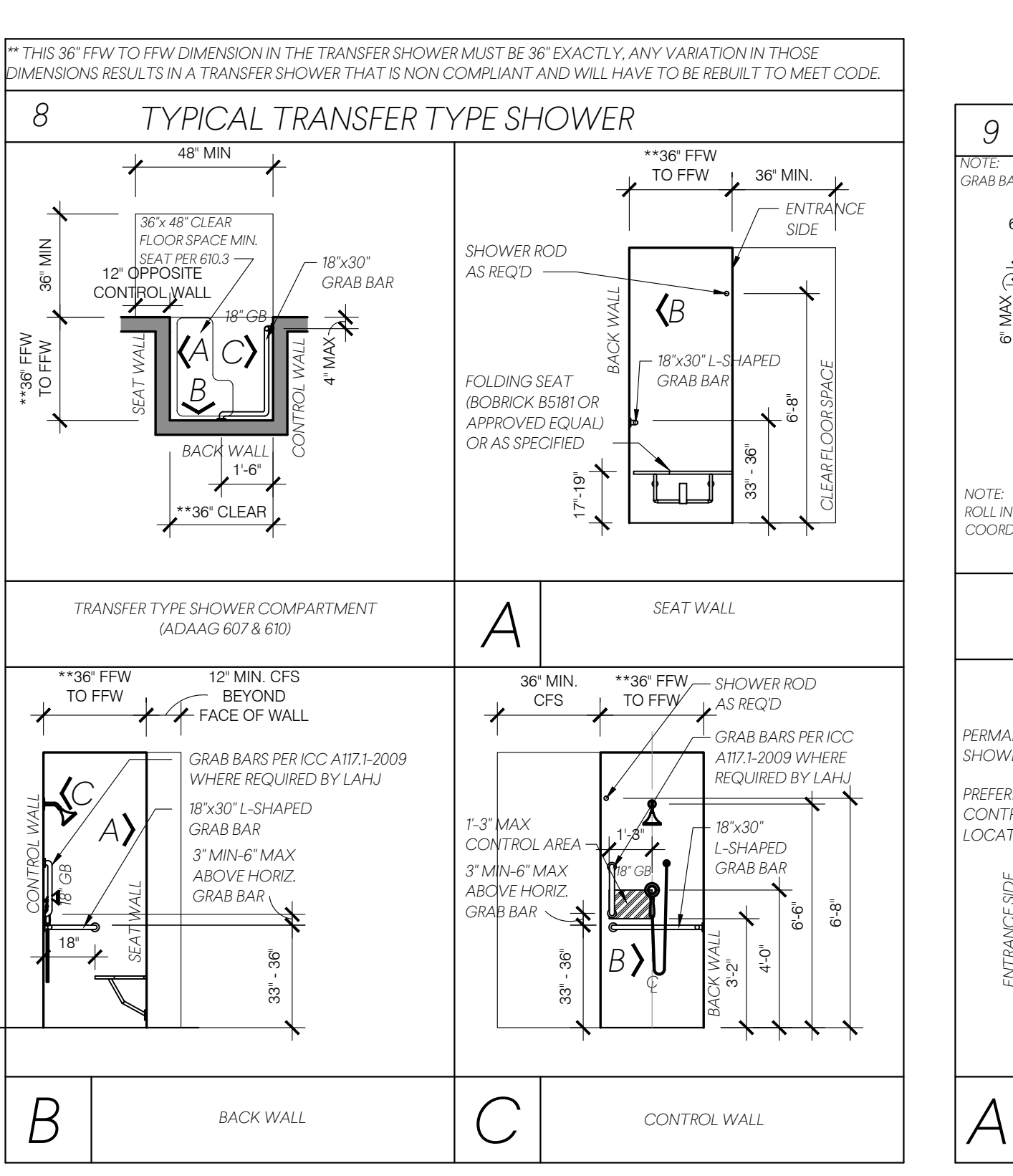
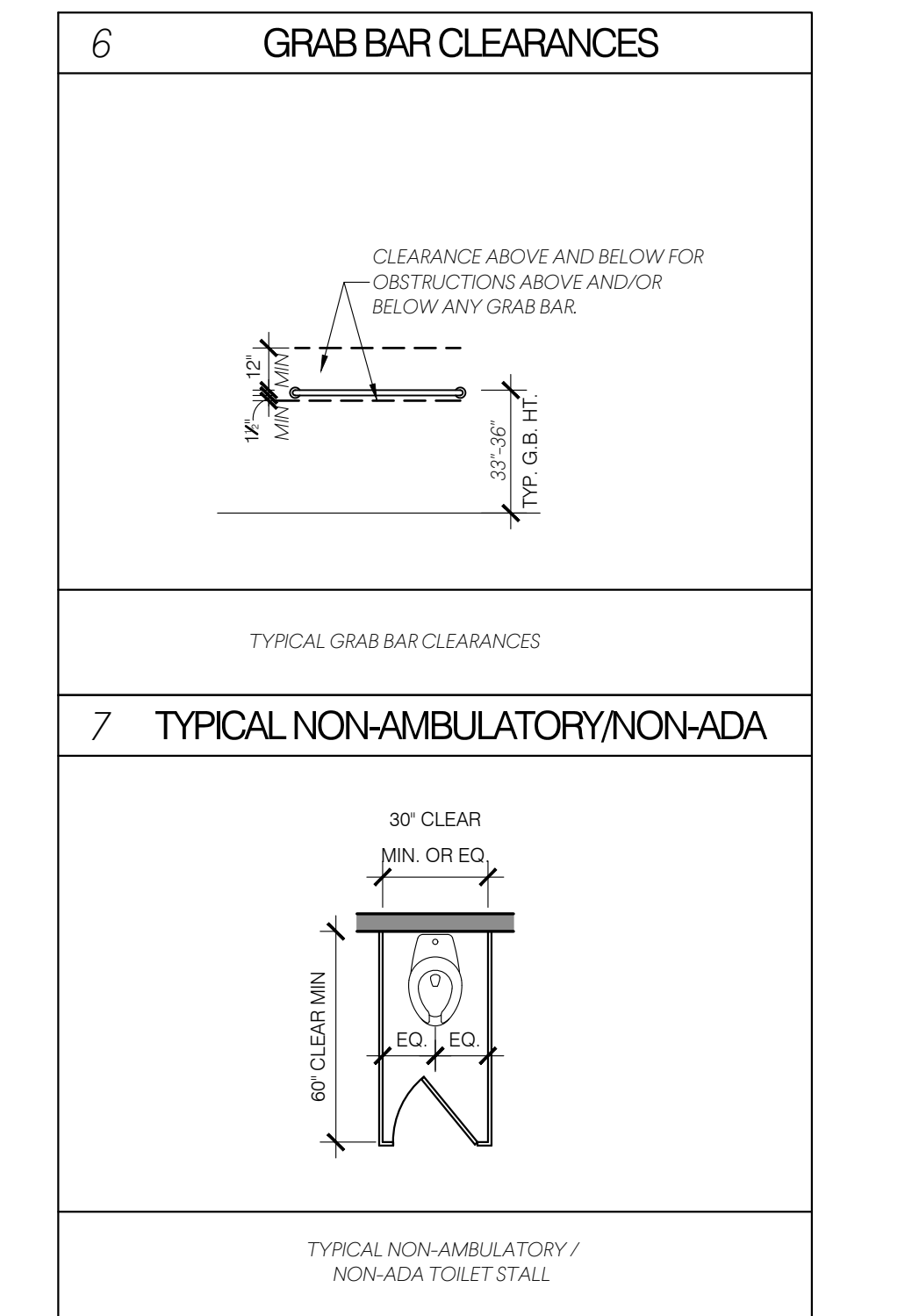
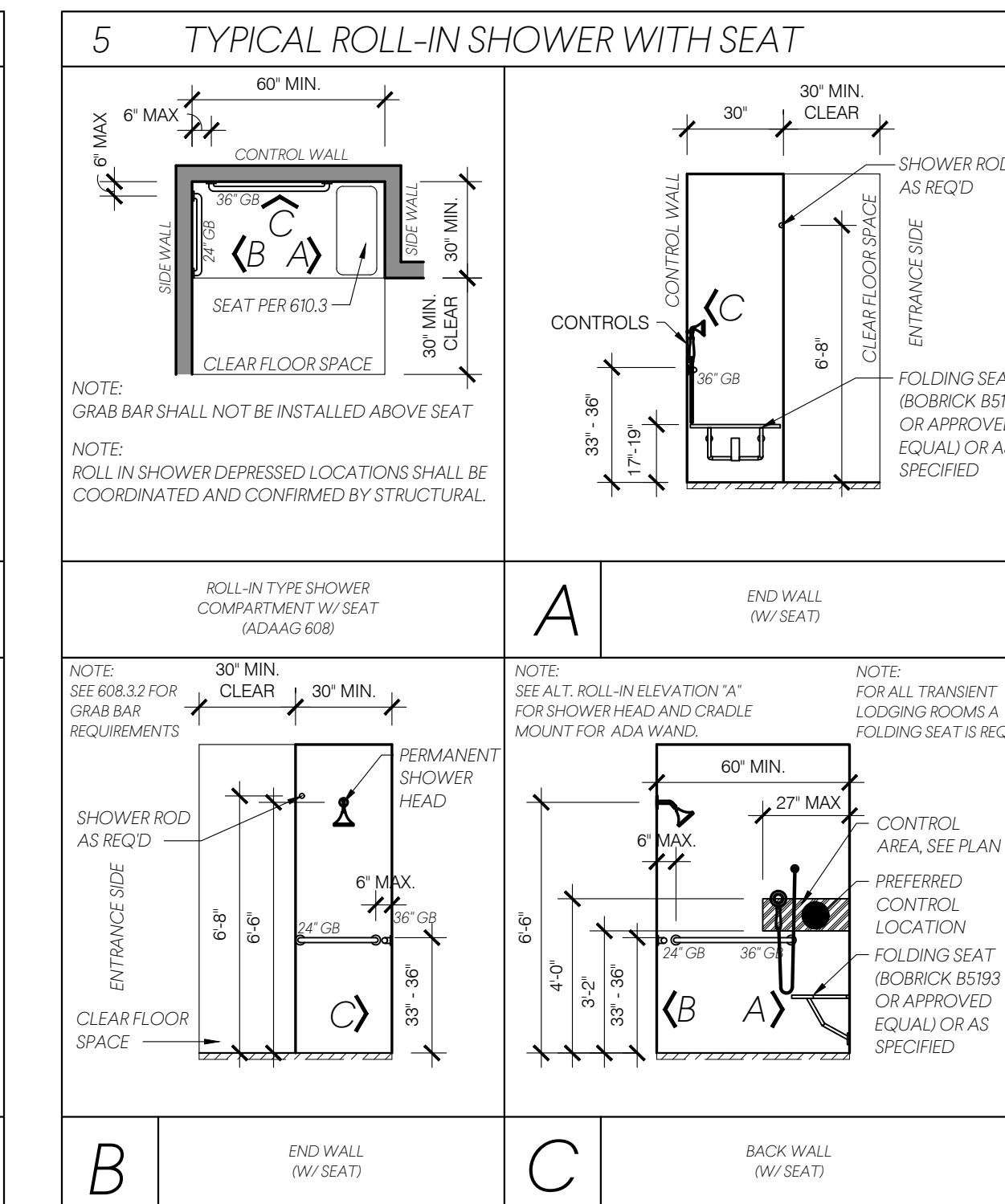
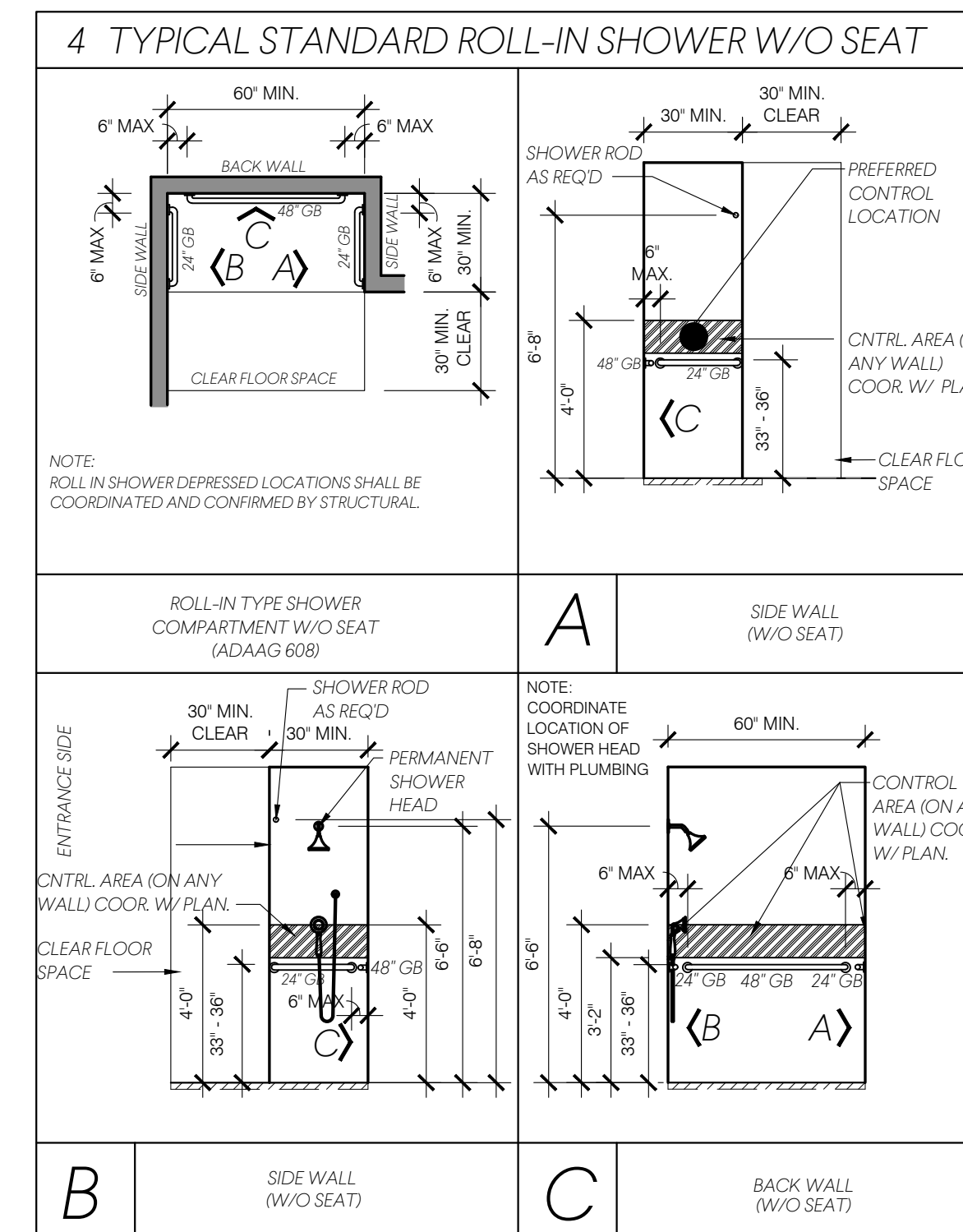
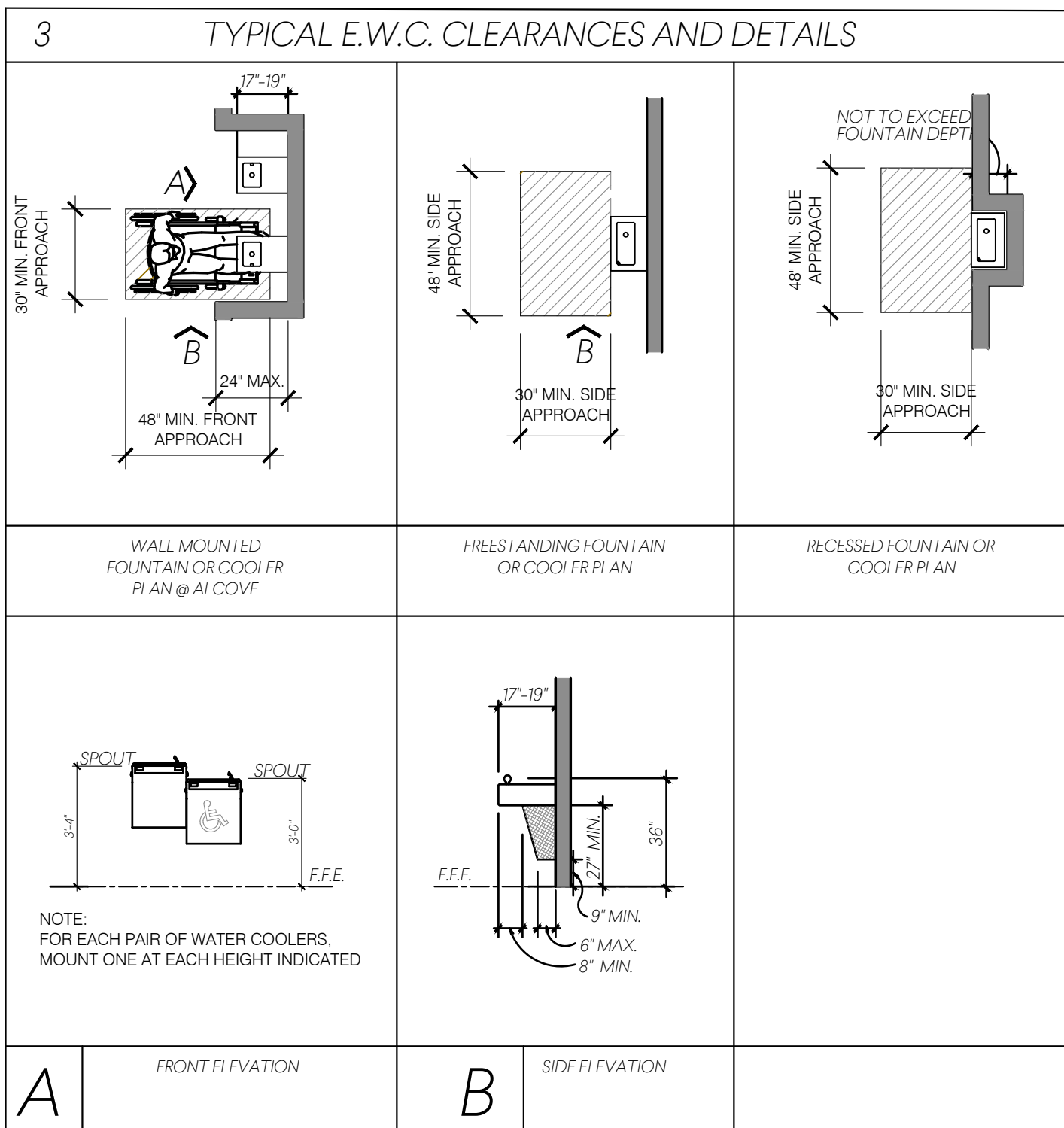


TYPICAL ACCESSIBLE MOUNTING HEIGHTS AND DIMENSIONS



- MOUNTING HEIGHT NOTES**
- TYPICAL HEIGHTS: MOUNTING HEIGHTS INDICATED HEREIN ARE TYPICAL MOUNTING HEIGHTS FOR DEVICE INDICATED. MOUNTING HEIGHTS FOR SUBMITTED PRODUCTS MAY VARY BY MANUFACTURER. THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCY BETWEEN THE INDICATED MOUNTING HEIGHT AND THE MANUFACTURER'S RECOMMENDED MOUNTING HEIGHT, PRIOR TO INSTALLATION OF THE DEVICE.
  - THE GENERAL CONTRACTOR SHALL REFER TO PLANS FOR LOCATIONS OF DEVICES SHOWN HEREIN.
  - ADA DEVICES: ALL DEVICES AND FIXTURES NOTED AS "ADA" OR "ACCESSIBLE" SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT AND APPLICABLE BUILDING CODES.
  - ELECTRICAL DEVICES: SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR REQUIRED MOUNTING HEIGHT OF ELECTRICAL DEVICES AND FIXTURES. WHERE CONFLICTS EXIST BETWEEN MOUNTING HEIGHTS INDICATED HEREIN AND THE REQUIREMENTS OF THE ELECTRICAL ENGINEER, THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT PRIOR TO ROUGH-IN.
  - MECHANICAL/PLUMBING DEVICES: SEE MECHANICAL AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR REQUIRED MOUNTING HEIGHT OF MECHANICAL AND PLUMBING DEVICES AND FIXTURES. WHERE CONFLICTS EXIST BETWEEN MOUNTING HEIGHTS INDICATED HEREIN AND THE REQUIREMENTS OF THE MECHANICAL ENGINEER, THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT PRIOR TO ROUGH-IN.
  - INSTALL ADA / ANSI COMPLIANT UNDER LAVATORY GUARDS ON ALL EXPOSED SINK PIPING.
  - CONTRACTOR MUST MAINTAIN ON THE JOB SITE A COPY OF THE CURRENT ADAAG STANDARDS AND THE 2010/2017 IBC/ICC CHAPTERS CONTAINING ACCESSIBILITY REQUIREMENTS.
  - DIMENSIONAL DESIGNATIONS OF +/- TO HAVE +/-1/2" TOLERANCE UNLESS OTHERWISE NOTED.
  - DESIGNATION FOR FINISHED FACE OF WALL (FFW) TO BE TAKEN FROM NEAREST CONTINUOUS SURFACE IN THE PLANE OF THE WALL I.E. FACE OF FLOOR BASE IF FACE OF BASE EXTENDS BEYOND FACE OF WALL.
  - COORDINATE ALL DIMENSIONS WITH FLOOR PLANS FOR SIDE CLEARANCES.

- GENERAL NOTES:**
- COORDINATE ALL ADA REQUIREMENTS WITH INTERIORS, PLUMBING, ELECTRICAL, HVAC AND MECHANICAL SHEETS. WHERE CONFLICTS OCCUR NOTIFY ARCHITECT AND OR CM IMMEDIATELY FOR CLARIFICATION. PRIOR TO BIDDING, IF NOT, IT IS ASSUMED THAT THE MORE EXPENSIVE SOLUTION IS INCLUDED IN BID.
  - NOTE THAT PLANS AND ELEVATIONS SHOWN HERE MAY BE ORIENTED OR MIRROR OPPOSITE OF THAT INDICATED HERE AND SHALL BE COORDINATED WITH SPECIFIC PLAN.
  - PROVIDE WOOD BLOCKING FOR ALL TOILET ACCESSORIES MOUNTED IN GYP. BD. PARTITIONS. MAINTAIN INTEGRITY OF FIRE RATING WHERE ACCESSORIES ARE LOCATED IN RATED WALLS
  - BACKING FOR GRAB BARS SHALL RESIST A MIN OF 500 LB. FORCE IN ALL DIRECTIONS.
  - SWITCHES/OUTLETS TO BE SET AS LOW AS POSSIBLE, COMPLYING WITH N.E.C., A.D.A AND OTHER APPLICABLE LOCAL, STATE AND FEDERAL CODES & STANDARDS
  - GANG SWITCHES WHEREVER POSSIBLE.
  - ALL SWITCHES AND THERMOSTATS TO BE LOCATED ADJ. TO A WALL EDGE OR DOOR JAMB PER FBC CH 24. ALL GLAZING/MIRRORS AT HAZARDOUS AREAS SHALL BE SAFETY GLASS.
  - PER FBC 11-4-13.9 DOOR HARDWARE, HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE A TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE. LEVER-OPERATED MECHANISMS, PUSH-TYPE MECHANISMS, AND U-SHAPED HANDLES ARE ACCEPTABLE DESIGNS. WHEN SLIDING DOORS ARE FULLY OPEN, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES. HARDWARE REQUIRED FOR ACCESSIBLE DOOR PASSAGE SHALL BE MOUNTED NO HIGHER THAN 48 INCHES (1219 MM) ABOVE FINISH FLOOR.
  - FOR ALL WALL MOUNTED ITEMS CONTRACTORS TO COORDINATE WITH FFE, INTERIOR DESIGN AND ALL OTHER TRADES FOR CONFLICTS PRIOR TO ROUGH IN. IF ANY CONFLICTS FOUND THEY ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO ROUGH IN.



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GMC Project #AMGM240006 CONSTRUCTION DRAWINGS

ADA CLEARANCES AND STANDARD DETAILS

G1.01

Sheet 1 of 1



SITE NOTES

- 1. SIDEWALKS SHALL BE 5 FEET WIDE AND 4 INCHES THICK EXCEPT AS SHOWN ON THE SITE PLAN. ALL SIDEWALKS SHALL HAVE A BROOM FINISH.
2. THE CONTRACTOR SHALL ADHERE TO THE LOCATIONS AND GEOMETRIC SHAPES FOR PADS OTHER THAN THE BUILDING AS SHOWN ON THE SITE PLAN UNLESS SPECIFIC DETAILS ARE PROVIDED IN THE ARCHITECTURAL DRAWINGS.
3. IN THE EVENT THAT THERE IS A DISCREPANCY FOR MINOR OUT STRUCTURES BETWEEN THE CIVIL DRAWINGS AND THE ARCHITECTURAL DRAWINGS, THE ARCHITECTURAL DRAWINGS WILL HAVE PRECEDENCE.
4. THE CONTRACTOR SHALL USE THE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ANY WORK DONE ON THE PAD, CONNECTING RAMPS, DOOR STOOPS, STEPS AND THE DUMPSTER PAD AREA.
5. THE CONTRACTOR SHALL ABIDE BY THE CONCRETE PAVEMENT RECOMMENDATIONS AS SET FORTH IN THE GEOTECHNICAL REPORT INCLUDING SUBGRADE PREPARATION.
6. THE CONTRACTOR SHALL PLACE CONSTRUCTION JOINTS AND FLEXIBLE JOINT COMPOUND AS RECOMMENDED IN THE GEOTECHNICAL REPORT AND IN ACCORDANCE WITH THE PORTLAND CEMENT ASSOCIATION.
7. THE CONTRACTOR SHALL SUBMIT A SKETCH OF JOINT PLACEMENT TO THE ENGINEER FOR APPROVAL PRIOR TO THAT PHASE OF WORK.
8. ALL RAMPS, GRADES IN HANDICAP AREAS, HANDICAP SIGNS AND HANDICAP PARKING AREAS SHALL CONFORM TO CURRENT ADA-AG STANDARDS REGARDLESS IF SHOWN CORRECTLY ON THE PLANS OR NOT.
9. THE USE OF SPILL OUT CURB AND GUTTER SHALL BE USED IN AREAS INDICATED AS HAVING A WATER FLOW THAT IS LEAVING THE CURB LINE. ANY TRANSITIONS FROM STANDARD CURB AND GUTTER TO SPILL OUT CURB AND GUTTER TO BE CONSTRUCTED IN SUCH A MANNER THAT NO PONDING OR BIRD BATHS OCCUR. THE CONTRACTOR SHALL ENSURE THAT ALL PAVED AREAS DRAIN IN THIS SAME MANNER.

UTILITY NOTES

- 1. ALL WORK DESCRIBED, SHOWN, REFERENCED, OR OTHERWISE INDICATED IN OR ON THE DRAWINGS, PROPOSAL, ADVERTISEMENT AND SPECIFICATIONS ARE TO BE COMPLETED IN PLACE AND SERVICEABLE ACCORDING TO THE PLANS, INSTRUCTIONS, SPECIFICATIONS, LINES AND GRADES INDICATED ON THE PLANS AND ALL APPLICABLE STATE, FEDERAL, AND MUNICIPAL CODES AND STANDARDS AS WELL AS WWSB STANDARDS AND SPECIFICATIONS. INDIVIDUAL ITEMS OF WORK THAT ARE NECESSARY TO COMPLETE THE PROJECT TO THE LINES AND GRADES, WHETHER SHOWN OR DISCREPANCY IN THE PLANS AND SPECIFICATIONS, ARE TO BE CONSIDERED INCIDENTAL AND ARE THE RESPONSIBILITY OF THE CONTRACTOR.
2. THE CONTRACTOR IS EXPECTED TO CAREFULLY EXAMINE THE PLANS, PROPOSAL AND SITE OF THE WORK. THEREFORE, IT WILL BE ASSUMED THAT THE BIDDER HAS SATISFIED HIMSELF AS TO THE CONDITIONS TO BE ENCOUNTERED IN REGARDS TO THE CHARACTER, QUALITY, AND QUANTITIES OF WORK TO BE PERFORMED AND MATERIALS TO BE FURNISHED, AND AS TO THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS AND CONTRACT. THE SUBMISSION OF A PROPOSAL BY A BIDDER WILL BE CONSIDERED PRIMA FACIE EVIDENCE THAT THE BIDDER HAS MADE SUCH AN EXAMINATION.
3. THE WORK ON THIS PROJECT SHALL ADHERE TO THE FOLLOWING SPECIFICATIONS, STANDARDS AND/OR REGULATIONS:
ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (ADEM) AND THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA) - "BEST MANAGEMENT PRACTICES MANUAL" AND THE REQUIREMENTS OF THE SITE SPECIFIC WDES DISCHARGE PERMIT ISSUED FOR THIS PROJECT.
ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION - LATEST EDITION. ANY AND ALL REFERENCES TO UNIT PRICES ARE NOT APPLICABLE TO THIS PROJECT.
CITY OF UNIONTOWN STANDARDS AND SPECIFICATIONS.
WATER WORKS AND SANITARY SEWER BOARD OF THE CITY OF UNIONTOWN STANDARDS AND SPECIFICATIONS.
PERRY COUNTY STANDARDS AND SPECIFICATIONS.
THE DRAWINGS AND SPECIFICATIONS.
IF CONFLICTS ARISE BETWEEN THESE REQUIREMENTS, THE MORE STRINGENT SHALL APPLY.
4. THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ALL PERMITS FOR THIS PROJECT.
5. SITE SECURITY WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
6. ALL FUEL STORAGE TANKS USED ON THE SITE BY THE CONTRACTOR MUST MEET ALL LOCAL, STATE AND FEDERAL CODES AND REGULATIONS.
7. THE CONTRACTOR WILL BE RESPONSIBLE FOR TEMPORARY DIVERSION OF RUNOFF WATER, AS REQUIRED TO FACILITATE CONSTRUCTION OR AS DIRECTED ON-SITE BY THE ENGINEER. THIS TEMPORARY DRAINAGE OF RUNOFF IS CONSIDERED INCIDENTAL TO THE BID.
8. ELECTRONIC DATA THAT MAY BE GIVEN TO THE CONTRACTOR EITHER AS AN AID IN THE PREPARATION OF HIS BID OR IN THE CONSTRUCTION OF THE IMPROVEMENTS WILL BE DONE SO STRICTLY AS A COURTESY TO THE CONTRACTOR. THE ENGINEER DOES NOT WARRANT THE ACCURACY OF THE ELECTRONIC INFORMATION SO TRANSFERRED. IN ALL CASES, THE PRINTED PLANS AS ISSUED BY THE ENGINEER SHALL GOVERN. A LETTER RELEASING THE ENGINEER FROM LIABILITY WILL BE REQUIRED OF THE CONTRACTOR PRIOR TO THE RELEASE OF SAID INFORMATION.
9. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE APPLICABLE GOVERNMENTAL AGENCIES AND DEPARTMENTS OF THE BEGINNING OF CONSTRUCTION.
10. THE CONTRACTOR IS RESPONSIBLE FOR HAVING ALL EXISTING UTILITIES LOCATED PRIOR TO CONSTRUCTION, INCLUDING STUBOUTS. EXISTING UTILITIES SHOWN HAVE BEEN DRAWN USING THE BEST AVAILABLE INFORMATION AND HAVE NOT BEEN FIELD VERIFIED. ALL EXISTING UTILITIES TO BE UNCOVERED AND VERIFIED AS TO SIZE, LOCATION, ELEVATION AND CONDITION PRIOR TO COMMENCEMENT OF CONSTRUCTION.
11. THE CONTRACTOR IS RESPONSIBLE FOR ALL COST ASSOCIATED WITH REMOVING AND/OR RELOCATING EXISTING UTILITIES AND STRUCTURES TO CONSTRUCT THE IMPROVEMENTS SHOWN IN THESE PLANS. THE CONTRACTOR SHALL NOT RECEIVE ADDITIONAL COMPENSATION FOR REMOVING AND/OR RELOCATING ANY EXISTING ITEMS.
12. NO DEVIATION FROM THE PLANS IS ALLOWED WITHOUT PRIOR APPROVAL FROM THE ENGINEER. SAID APPROVAL SHALL BE GIVEN IN WRITING.
13. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE VARIOUS UTILITY COMPANIES ON THE PLACEMENT OF THEIR SERVICES.
14. THE CONTRACTOR SHALL USE BENDS AND FITTINGS AS NECESSARY TO CONSTRUCT THE WATER LINE AS SHOWN.
15. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN FINAL APPROVAL OF WORK DONE ON OR ADJACENT TO EXISTING STREETS/ROADS AND RIGHT OF WAY. WRITTEN APPROVAL FROM THE APPLICABLE AGENCY IS REQUIRED PRIOR TO RELEASE OF THE CONTRACTOR'S RETAINAGE.
16. THE CONTRACTOR MUST ADJUST ALL VALVE BOXES, COVERS, METERS, MANHOLE RIMS, AND OTHER WATER, STORM, POWER, TELECOMMUNICATIONS AND SANITARY SEWER SERVICE APPURTENANCES TO FINAL GRADE. THE COST OF THESE ADJUSTMENTS SHALL BE INCLUDED IN THE BID.
17. ALL STORM SEWER CONCRETE PIPE JOINTS SHALL BE WATERTIGHT.
18. ALL STORM SEWER AND SANITARY SEWER SHALL BE LAID FROM THE LOWEST POINT FOLLOWING THE RISING GRADE.
19. BACKFILL AND COMPACTION OF ALL TRENCHES WILL CONFORM TO THE RECOMMENDATION OF THE GEOTECHNICAL ENGINEER. TESTING OF THE FILL AND COMPACTION MUST BE PERFORMED BY THE TESTING LABORATORY ACCORDING TO THE SPECIFICATIONS WITH THE TEST REPORTS FORWARDED TO THE ENGINEER. ANY BACKFILL FAILING TO MEET COMPACTION REQUIREMENTS WILL BE REMOVED AND REWORKED UNTIL COMPACTION IS ACHIEVED. THIS WORK SHALL BE DONE AT THE CONTRACTORS EXPENSE.
20. WATER LINES SHALL HAVE A MINIMUM COVER OF 30 INCHES.
21. IF THE WATER OR SANITARY SEWER LINE CROSSES ANY UTILITY WITH LESS THAN 2 FEET OF VERTICAL SEPARATION BETWEEN THE WATER AND SANITARY SEWER, THE TRENCH SHALL BE BACKFILLED WITH CRUSHED STONE AND THE PIPE MATERIAL SHALL BE DUCTILE IRON.
22. THERE SHALL BE A MINIMUM OF 18 INCHES OF VERTICAL CLEARANCE BETWEEN WATER AND SANITARY SEWER LINE CROSSINGS.
23. ANY WORK ON PUBLIC RIGHT OF WAY WILL REQUIRE A TRAFFIC CONTROL PLAN IN ACCORDANCE WITH THE MUT C.D. PREPARATION AND SUBMITTAL OF SAID PLAN TO THE APPROPRIATE AUTHORITY IS THE RESPONSIBILITY OF THE CONTRACTOR.

- 24. THE COST OF ALL WORK SHOWN IN THE PLANS IS THE RESPONSIBILITY OF THE CONTRACTOR UNLESS STATED OTHERWISE.
25. THE CONTRACTOR WILL BE RESPONSIBLE FOR REPAIR TO PUBLIC AND PRIVATE ROADS CAUSED BY HIS ACTIVITIES. IT IS THE CONTRACTORS RESPONSIBILITY TO MEET WITH PRIVATE ENTITIES, STATE, CITY AND COUNTY OFFICIALS TO AGREE UPON AND RECORD THE CONDITIONS OF THE ROADS BEFORE CONSTRUCTION COMMENCES.
26. ALL PAVING WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF ALDOTS STANDARDS AND SPECIFICATIONS.
27. THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL COSTS ASSOCIATED WITH SHORING/STABILIZING EXISTING UTILITIES DURING CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.
28. ALL PIPE LABELED AS RCP SHALL BE CLASS 3 REINFORCED CONCRETE PIPE UNLESS STATED OTHERWISE.
29. THE WATER AND SANITARY SEWER LINES AND APPURTENANCES FOR THIS PROJECT SHALL BE INSTALLED AND TESTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE WATER WORKS AND SANITARY SEWER BOARD OF THE CITY OF MONTGOMERY.
30. ALL PIPES SHALL BE INSTALLED PER MANUFACTURERS SPECIFICATIONS.
31. ALL DUCTILE IRON PIPING, FITTINGS AND APPURTENANCES SHALL BE POLYETHYLENE WRAPPED WITH V-BIO POLYETHYLENE WRAP.
32. GRATE INLETS SHALL BE CONSTRUCTED PER THE FLAT GRADE INLET DETAIL ON THE DETAILS SHEETS. GRATE USED IN HARD SURFACES SHALL BE RATED FOR HEAVY DUTY LOADING 6614 GRATE BY US FOUNDRY & MANUFACTURING CORPORATION. GRATE INLETS IN GRASS AREAS SHALL BE USF 4130 FRAME & 6230 GRATE BY US FOUNDRY & MANUFACTURING CORPORATION.
33. ALL STORM PIPE CONNECTIONS TO MANHOLES, INLETS, JUNCTION BOXES, ECT. SHALL BE MADE UTILIZING FLEXIBLE BOOTHS. THESE BOOTHS SHALL BE KOR-9 SEAL I 206 SERIES AS MANUFACTURED BY TRELLEBORG PIPE SEALS OR PSX DIRECT DRIVE AS MANUFACTURED BY PRESS-SEAL GASKET CORPORATION. THESE BOOTHS SHALL BE ATTACHED TO THE PIPE WITH GASKETS AND SEALS, TO PROVIDE A WATER TIGHT CONNECTION BETWEEN THE PIPE AND STRUCTURES. ANY PIPE TO STRUCTURE CONNECTIONS NOT CONSTRUCTED USING FLEXIBLE BOOTHS SHALL BE REMOVED AND CORRECTED AT THE CONTRACTORS EXPENSE. RIGID CONNECTIONS, OF ANY TYPE, SHALL NOT BE PERMITTED. TYLOX WT + CONNECTOR AS MANUFACTURED BY HAMILTON KENT MAY BE UTILIZED. ALL FLEXIBLE BOOTHS/CAST IN CONNECTORS SHALL MEET ASTM C923.

EROSION/SEDIMENTATION CONTROL NOTES:

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE ADEMPEPA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FOR THIS PROJECT PRIOR TO ANY CONSTRUCTION/DISTURBANCE ACTIVITIES. ALL ROUTINE COSTS ASSOCIATED WITH THIS PERMIT INCLUDING BUT NOT LIMITED TO TRANSFER FEES, PERIODIC INSPECTION FEES, NOTICE OF TERMINATION, ADEMPEPA FINES, ETC. SHALL BE THE RESPONSIBILITY OF HOLLADAY CONSTRUCTION GROUP. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FINES INCURRED AS PART OF THE CONSTRUCTION ACTIVITY OF THE CONTRACTOR AS WELL AS ANY PROFESSIONAL SERVICES ASSOCIATED WITH REPLYING TO NOTICE OF VIOLATION AND/OR CONSENT ORDERS SENT BY ADEM.
2. THESE STANDARD DETAILS SHALL BE APPLICABLE TO ALL LAND DISTURBING ACTIVITIES.
3. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING EROSION/ SEDIMENTATION CONTROL MEASURES IN ACCORDANCE WITH ADEMPEPA "BEST MANAGEMENT PRACTICES" AND ADEM NPDES CONSTRUCTION GENERAL PERMIT CONDITIONS. MEASURES SHOWN ON THE PLANS SHOULD BE CONSIDERED MINIMUMS. THE ENGINEER, OCP, ADEM AND/OR LOCAL AUTHORITIES MAY REQUIRE THE CONTRACTOR TO CLEAN UP SILT/SEDIMENT, REPLACE EROSION CONTROL OR ADD ADDITIONAL EROSION CONTROL MEASURES AT ANY TIME OVER THE COURSE OF THE PROJECT, IF THE MEASURES IN PLACE DO NOT APPEAR TO BE ADEQUATE AND/OR FUNCTIONING PROPERLY. THE COST ASSOCIATED WITH ANY OF THESE CORRECTIVE MEASURES SHALL BE INCLUDED IN THE CONTRACTORS BID, NO ADDITIONAL COMPENSATION WILL BE GIVEN TO THE CONTRACTOR FOR THIS WORK.
4. MAINTENANCE OF SAID STRUCTURES AND/OR MEASURES IS THE RESPONSIBILITY OF THE CONTRACTOR. ALL CONTROL MEASURES SHALL BE CHECKED, AND REPAIRED AS NECESSARY, MONTHLY IN DRY PERIODS, AND WITHIN 24 HOURS AFTER ANY RAINFALL AT THE SITE. DURING PROLONGED RAINFALLS, DAILY CHECKING AND, IF NECESSARY, REPAIRING SHALL BE DONE. THE PERMITTEE SHALL MAINTAIN WRITTEN RECORDS OF SUCH CHECKS AND REPAIRS ON SITE AT ALL TIMES, AND RECORDS SHALL BE SUBJECT TO INSPECTION AT ANY REASONABLE TIME.
5. ALL BMPs SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE CONDITIONS OUTLINED IN THE ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL AND STORM WATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS, CITY OF UNIONTOWN STANDARDS FOR EROSION AND SEDIMENT CONTROL, THE PLANS AND SPECIFICATIONS. IF CONFLICTS ARISE BETWEEN THESE REQUIREMENTS, THE MORE STRINGENT SHALL APPLY.
6. THE CONTRACTOR IS RESPONSIBLE FOR WHATEVER MEASURES ARE NECESSARY TO PRODUCE AND MAINTAIN AN ACCEPTABLE STAND OF GRASS. SAID MEASURES TO INCLUDE (BUT NOT LIMITED TO) WATERING, RE-SEEDING, REGRADING ERODED AREAS, RE-FERTILIZING, ETC.
7. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING MUD AND DEBRIS OFF PRIVATE STREETS, CITY/STATE STREETS AND ROW AT ALL TIMES. CLEANUP IS REQUIRED DAILY.
8. THE CONTRACTOR SHALL KEEP A COPY OF THE "BEST MANAGEMENT PRACTICES"/CBMP ON SITE AT ALL TIMES FOR THE LIFE OF THE PROJECT.
9. ANY AREA THAT HAS BEEN CLEARED OF ITS VEGETATIVE COVER AND WILL REMAIN SO FOR FIFTEEN (15) DAYS OR LONGER WITHOUT APPRECIABLE CONSTRUCTION ACTIVITY MUST BE SEEDED AND MULCHED WITHIN THIRTEEN (13) DAYS OF BEING DISTURBED. THOSE AREAS SHALL BE SEEDED AND MULCHED IN ACCORDANCE WITH THE LATEST EDITION OF THE ALDOT CONSTRUCTION SPECIFICATIONS, UTILIZING THE SEED MIXES SHOWN ON THE DETAILS.
10. ADDITIONAL BMPs MAY BE REQUIRED BY THE ENGINEER, OCP, ADEM AND CITY OF UNIONTOWN OVER THE COURSE OF THE PROJECT TO PREVENT SEDIMENT RELEASE FROM THE SITE. THE COST ASSOCIATED WITH THESE ADDITIONAL BMPs SHALL BE INCLUDED IN THE CONTRACTORS BID, NO ADDITIONAL COMPENSATION WILL BE GIVEN TO THE CONTRACTOR FOR THIS WORK.
11. THE USE OF FLOC-BLOCKS/ POLYACRYLAMIDE (PAM) OR OTHER SETTLING ENHANCEMENT MATERIALS SHALL BE REQUIRED DURING THE COURSE OF CONSTRUCTION TO MINIMIZE TURBIDITY AND PREVENT SEDIMENT RELEASE FROM THE SITE. THE ENGINEER, OCP, ADEM AND CITY OF UNIONTOWN MAY REQUIRE ADDITIONAL FLOC-BLOCKS/ PAM IF THE ITEMS BEING USED ARE NOT ADEQUATE TO PREVENT THE RELEASE OF SILT/SEDIMENTATION. THE COST ASSOCIATED WITH THESE ADDITIONAL FLOC-BLOCKS/ PAM SHALL BE INCLUDED IN THE CONTRACTORS BID. NO ADDITIONAL COMPENSATION WILL BE GIVEN TO THE CONTRACTOR FOR THIS WORK. AT A MINIMUM PAM SHALL BE PLACED AT SLOPE PAVED HEADWALLS.
12. THE CONTRACTOR SHALL STABILIZE ALL DISTURBED AREAS IMMEDIATELY AFTER THE COMPLETION OF THE GRADING OPERATION.
13. MAINTENANCE OF ALL EARTH SURFACES, INCLUDING DITCH/SWALE SLOPES, IS THE RESPONSIBILITY OF THE CONTRACTOR. SAID MAINTENANCE TO INCLUDE REGRADING, TEMPORARY GRASSING, MOWING, ETC. AS MAY BE REQUIRED.
14. THE ENGINEER OR THE OCP MAY REQUIRE THE CONTRACTOR TO CLEAN UP SILT/SEDIMENT, REPLACE EROSION CONTROL OR ADD ADDITIONAL EROSION CONTROL MEASURES AT ANY TIME, IF THE MEASURES IN PLACE DO NOT APPEAR TO BE ADEQUATE AND/OR FUNCTIONING PROPERLY. THE COST ASSOCIATED WITH ANY OF THESE CORRECTIVE MEASURES SHALL BE INCLUDED IN THE CONTRACTORS BID, NO ADDITIONAL COMPENSATION WILL BE GIVEN TO THE CONTRACTOR FOR THIS WORK.
15. THE CONTRACTOR SHALL FREQUENTLY REMOVE ANY AND ALL SILT/SEDIMENTATION FROM THE SILT FENCE, DITCHES, CHECK DAMS AND DETENTION AREAS AS PER ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL AND STORM WATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS. AT THE END OF CONSTRUCTION THESE AREAS SHALL BE COMPLETELY FREE OF SILT/SEDIMENTATION AND SHALL BE STABILIZED AS STATED IN THE PLANS AND SPECIFICATIONS.
16. MAINTENANCE OF ALL EARTH SURFACES, INCLUDING DITCH/SWALE SLOPES, IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL AN ACCEPTABLE STAND OF GRASS IS OBTAINED. SAID MAINTENANCE TO INCLUDE REGRADING, TEMPORARY GRASSING, MOWING, ETC. AS MAY BE REQUIRED.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL TEMPORARY EROSION CONTROL MEASURES ONCE ACCEPTABLE PERMANENT STABILIZATION IS ACHIEVED. THE OWNER AND OCP/ENGINEER SHALL DETERMINE IF THE PERMANENT STABILIZATION IS ACCEPTABLE PRIOR TO REMOVAL OF ANY TEMPORARY EROSION CONTROL MEASURES.

- 18. THE CONTRACTOR SHALL INCLUDE IN HIS/HER BID THE INSTALLATION OF A MINIMUM 25 FT X 50 FT GRAVEL CONSTRUCTION ENTRANCE/ EXIT PAD. SEE THE CONSTRUCTION EXIT/ENTRANCE PAD ON DETAILS.
19. THE CONTRACTOR SHALL MAINTAIN THE CONSTRUCTION ENTRANCES AS REQUIRED TO PREVENT SILT/SEDIMENTATION FROM LEAVING THE SITE. THIS INCLUDES BUT IS NOT LIMITED TO WASHING DOWN OF THE CONSTRUCTION ENTRANCE.
20. ALL AREAS OUTSIDE OF THE BUILDING AND PAVEMENT AREA TO RECEIVE A 6-INCH LAYER OF TOPSOIL. TOPSOIL SHALL BE AS FOLLOWS:
A. FERTILE, FRABLE, NATURALLY OCCURRING, FREE OF STONES, CLAY, LUMPS, HARDPAN, ROOTS, STUMPS, BRANCHES, STICKS AND OTHER DEBRIS LARGER THAN ONE (1) INCH IN ANY DIMENSION; FREE OF NOXIOUS WEEDS, GRASSES, SEEDS, PLANTS, EXTRANEIOUS MATTER AND ANY SUBSTANCE HARMFUL TO PLANT GROWTH. TOPSOIL FROM OPEN FIELDS WILL NOT BE ACCEPTED.
B. PH: 5.0 TO 7.0
C. ORGANIC MATTER: 5% TO 10%
D. SAND: 50% TO 70%
E. SILT: LESS THAN 30%
F. CLAY: 10% TO 25%
G. PERMEABILITY RATE OF 5 X 10 <-3>- CENTIMETERS OR GREATER AT 85% COMPACTION.

- 21. ALL DISTURBED AREAS OUTSIDE THE BUILDING AND PAVEMENT AREA TO BE SEEDED AND MULCHED WITH THE APPROPRIATE ALDOT MIXTURE.
22. ALL STORM DRAINAGE INLETS AND JUNCTION BOXES TO BE PROTECTED FROM SEDIMENTATION AT ALL TIMES. THESE STRUCTURES SHALL BE PROTECTED WITH SILT SAVERS OR PRE-APPROVED EQUIVALENT PRIOR TO THE FRAME AND GRATE/LID BEING INSTALLED. IF THE CONTRACTOR UTILIZES ROUND BOXES, THEN ROUND FRAME SILT SAVERS SHALL BE USED. ONCE THE FRAME AND GRATE/LID IS PLACED ON THE INLETS, AND JUNCTION BOXES, THE CONTRACTOR SHALL UTILIZE DANDY SACKS OR PRE-APPROVED EQUIVALENT. GUTTER EELS SHALL BE UTILIZED UNTIL ALL VEGETATION HAS BEEN INSTALLED AND "GROWN IN".

- 23. THE CONTRACTOR SHALL UTILIZE NEW FILTERS ON THE SILT SAVERS AT THE BEGINNING OF THE PROJECT. THE CONTRACTOR SHALL BE REQUIRED TO REPLACE THE FILTERS WHENEVER THE ENGINEER, OCP OR CITY OF UNIONTOWN STATES THEY ARE NOT ADEQUATE. THE COST OF THE REPLACEMENT FILTERS SHALL BE INCLUDED IN THE CONTRACTORS BID. THE CONTRACTOR SHALL NOT RECEIVE ADDITIONAL COMPENSATION FOR THE COST OF REPLACING THE FILTERS.

- 24. THE CONTRACTOR SHALL PERMANENTLY STABILIZE ALL DISTURBED AREAS PRIOR TO FINAL ACCEPTANCE OF WORK. PERMANENT STABILIZATION SHALL CONSIST OF FINE GRADING TO REMOVE ALL REELS, PERMANENT SEEDING SHALL BE PLACED ALONG WITH STRAW, AND SAID PERMANENT GRASSING SHALL HAVE TAKEN ROOT AND BE ESTABLISHED IN A MANNER TO PREVENT EROSION REELS FROM FORMING. THE CONTRACTOR SHALL RESEED, WATER, REDDRESS WASHES, CUT TEMPORARY VEGETATION OR ANY PERFORM ANY OTHER WORK NECESSARY TO ESTABLISH PERMANENT VEGETATION. ALL COST ASSOCIATED WITH THIS WORK SHALL BE INCLUDED THE FINAL BID PRICE.

- 25. TEMPORARY STABILIZATION OF DISTURBED AREAS MUST BE INITIATED IMMEDIATELY WHENEVER WORK TOWARD PROJECT COMPLETION AND FINAL STABILIZATION OF ANY PORTION OF THE SITE HAS TEMPORARILY CEASED AND WILL NOT RESUME FOR A PERIOD EXCEEDING THIRTEEN (13) CALENDAR DAYS. THOSE AREAS SHALL BE SEEDED AND MULCHED IN ACCORDANCE WITH THE LATEST EDITION OF THE ALDOT CONSTRUCTION SPECIFICATIONS.

- 26. ALL HAZARDOUS SUBSTANCES USED FOR THIS PROJECT (PAINT, OIL, GREASE, AND OTHER PETROLEUM PRODUCTS) SHALL BE STORED IN ACCORDANCE WITH SPCC REGULATIONS. THESE SUBSTANCES SHALL BE STORED AWAY FROM STORM DRAINS, DITCHES, AND GUTTERS IN WATERTIGHT CONTAINERS. DISPOSAL OF THESE SUBSTANCES SHALL BE IN ACCORDANCE WITH ADEM REGULATIONS. CONTRACTOR SHALL PROVIDE ADEQUATE TRASH CONTAINERS ON SITE FOR THE DISPOSAL OF CONSTRUCTION MATERIALS WASTE. CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING ANY TRASH OR OTHER POLLUTANTS FROM ENTERING STORM DRAINS.

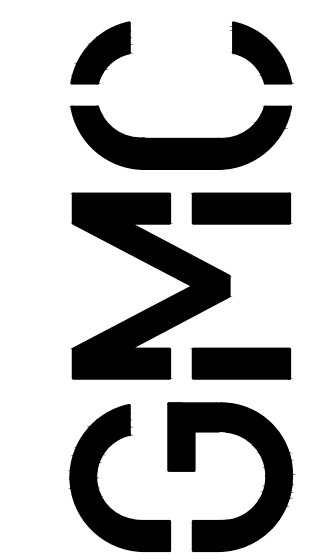
- 27. THE CONTRACTOR SHALL HAVE A WATER TRUCK AVAILABLE AT ALL TIMES TO HELP KEEP THE DUST DOWN ON THE SITE.

- 28. THE CONTRACTOR SHALL PROVIDE A FACILITY ON SITE FOR SANITARY WASTE DURING CONSTRUCTION AND SHALL ALSO PROVIDE A CONTAINER CAPABLE OF HOLDING CONSTRUCTION MATERIAL AND DEBRIS. ALL CONSTRUCTION WASTE AND DEBRIS AND TEMPORARY BMPs ARE TO BE REMOVED FROM THE SITE ONCE THE SITE HAS BEEN PERMANENTLY STABILIZED AND SHALL BE DISPOSED OF AT A LANDFILL CAPABLE OF HANDLING SAID DEBRIS.

GRADING NOTES

- 1. THE CONTRACTOR SHALL MAKE SURE THAT THE CROSS SLOPE OF THE NEW SIDEWALKS DOES NOT EXCEED 2.00%. IF THE CROSS SLOPE IS CONSTRUCTED AT A SLOPE STEEPER THAN 2.00% THEN HE/SHE SHALL BE REQUIRED TO REMOVE AND REPLACE THE SIDEWALK AT HIS/HER EXPENSE.
2. THE CONTRACTOR SHALL GRADE THE SITE IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS AND GEOTECHNICAL REPORT PREPARED FOR THIS PROJECT.
3. ALL DEMOLITION DEBRIS AND EXCESS MATERIAL GENERATED FROM GRADING OPERATIONS TO BE REMOVED FROM THE SITE AND PROPERLY DISPOSED OF OFF-SITE AT THE CONTRACTORS EXPENSE.
4. ALL GRADING OPERATIONS TO BE MONITORED BY A QUALIFIED GEOTECHNICAL CONSULTANT AS CHOSEN AND PAID FOR BY THE OWNER. IT IS THE CONTRACTORS RESPONSIBILITY TO HAVE THE GEOTECHNICAL CONSULTANT ONSITE AT ALL TIMES DURING GRADING OPERATIONS.
5. THE CONTRACTOR SHALL INSTALL SPILL OUT CURB & GUTTER WHERE REQUIRED BY THE GRADES.
6. ALL WORK REQUIRED TO COMPACT, MOISTEN, DRY, CONDITION, MODIFY, OR IMPROVE ANY PORTION OF THE SUBGRADE, AND/OR BUILDING PADS, AS DIRECTED BY THE PLANS AND SPECIFICATIONS OR THE ENGINEER, IS PART OF THE LUMP SUM BID.
7. ALL WORK ASSOCIATED WITH TOPSOIL STRIPPING, INCLUDING, BUT NOT LIMITED TO: STRIPPING TO SPREAD, STRIPPING TO STOCKPILE, SPREADING FROM STOCKPILE, TOPSOIL HAUL-OFF, SEEDBED PREPARATION, ETC., AS DIRECTED BY THE PLANS AND SPECIFICATIONS OR THE ENGINEER IS PART OF THE LUMP SUM BID.
8. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE PRELIMINARY GEOTECHNICAL INVESTIGATION REPORT ATTACHED TO THE BID DOCUMENTS. SAID REPORT IS PROVIDED FOR THE CONTRACTORS CONVENIENCE. NEITHER THE ENGINEER NOR THE REPORT PREPARER WARRANTS THE COMPLETE AND TOTAL ACCURACY OF THE REPORT. IT IS THE CONTRACTORS RESPONSIBILITY TO SATISFY HIMSELF AS TO THE EXISTING SOIL CONDITIONS.
9. IF THE PAVEMENT, STONE OR SLAB IS NOT CONSTRUCTED IMMEDIATELY AFTER THE INITIAL SUBGRADE PREPARATION, THE CONTRACTOR SHALL BE REQUIRED TO RESTORE THE SUBGRADE PRIOR TO THE PLACEMENT OF THE PAVEMENT, STONE OR SLAB. THE COST OF THE SUBGRADE RESTORATION SHALL BE INCLUDED IN THE CONTRACTORS BID.
10. THE CONTRACTOR SHALL REFER TO THE STRUCTURAL DRAWINGS FOR DETAILS ON THE BUILDING SLAB.
11. ALL SPOT ELEVATIONS ARE EDGE OF PAVEMENT ELEVATIONS UNLESS STATED OTHERWISE.
12. THE CONTRACTOR SHALL CONSTRUCT THE SLOPES WITH THE EQUIPMENT TRACKS TRAVERSING UP AND DOWN THE SLOPE AS SHOWN ON THE DETAILS.
13. FILL MATERIAL USED ON-SITE SHALL BE CLEAN, NON-SATURATED, NON-ORGANIC SOIL AS APPROVED BY THE GEOTECHNICAL CONSULTANT.
14. BURNING WILL NOT BE ALLOWED ON-SITE. DEBRIS SHALL BE HAULED OFFSITE AND DISPOSED OF IN A LEGAL MANNER.
15. THE CONTRACTOR SHALL COORDINATE THE SUBGRADE ELEVATION, SLAB THICKNESS, AND STONE THICKNESS WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
16. THE ENGINEER DOES NOT GUARANTEE THAT THE EARTHWORK FOR THIS PROJECT WILL BALANCE. THE CONTRACTOR SHALL HAUL-IN OR HAUL-OFF AS REQUIRED TO ACHIEVE THE PLAN GRADES.
LIME STABILIZATION GENERAL NOTES TO BE APPLICABLE PER GRADING PLAN SHOWN ON C-201.

- 1. SEE SOILS REPORT FOR SPECIFIC SPECIFICATIONS CONCERNING RATES OF APPLICATION, METHODS OF MIXING AND COMPACTION REQUIREMENTS OF LIME STABILIZED SUBGRADES.
2. THE APPLICATION OF LIME IS ALLOWED ONLY UNDER SPECIFIC WEATHER CONDITIONS AS DETAILED IN THE SOILS REPORT.
3. THE CONTRACTOR IS RESPONSIBLE FOR THE CONTROL OF DUST GENERATED BY THE APPLICATION PROCESS OF DRY HYDRATED LIME. LIME APPLICATION SHALL BE LIMITED TO DAYS WITH WINDS LESS THAN FIVE MILES PER HOUR WITH A DRIFT AWAY FROM THE INTERSTATE HIGHWAY.
4. USE OF QUICKLIME OR SLURRY MUST BE PRE-APPROVED BY THE GEOTECHNICAL ENGINEER OF RECORD AND AT THE RATES AND METHODS OF APPLICATION APPROVED.



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Table with 2 columns: ISSUE DATE, FINAL SET. 09/27/2024

PERRY COUNTY WORKFORCE TRAINING FOR ISTC
PERRY COUNTY, ALABAMA
GMC Project #CMGM240006
CONSTRUCTION DRAWINGS

PROJECT NOTES
C-001
Sheet of

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PLOT FILE: New 2, 2024













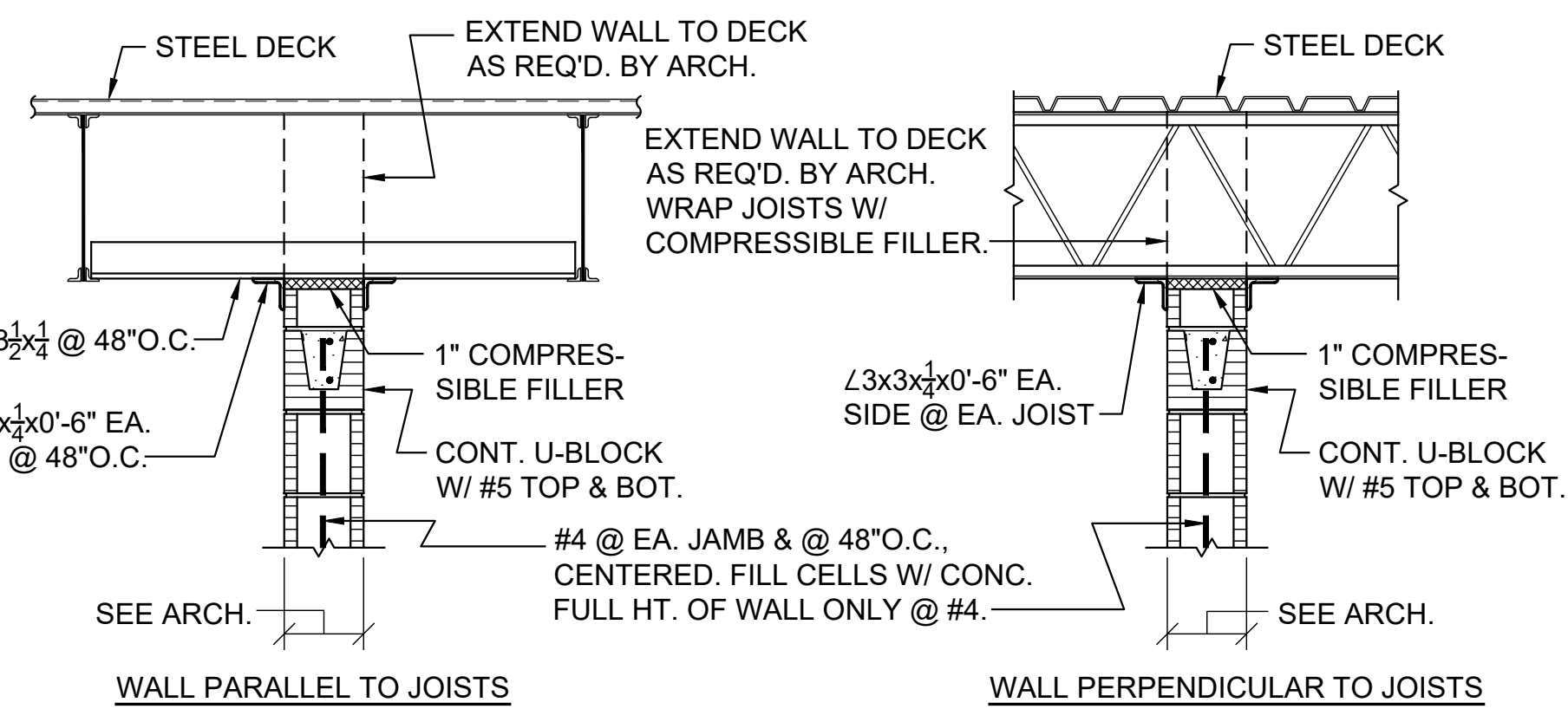




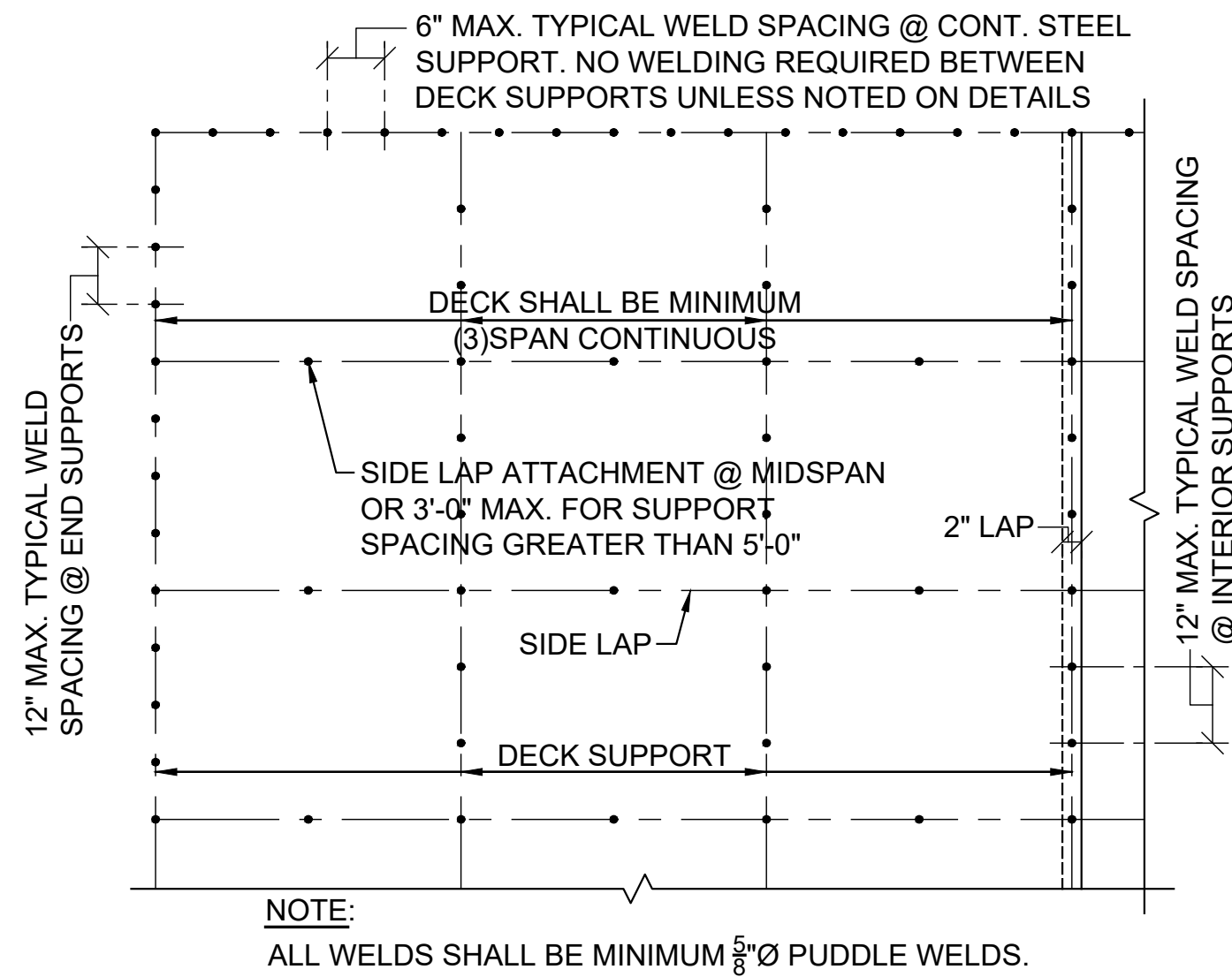




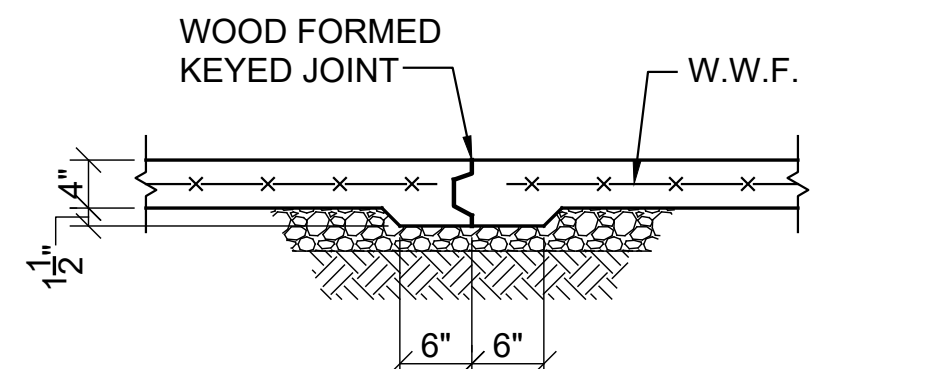




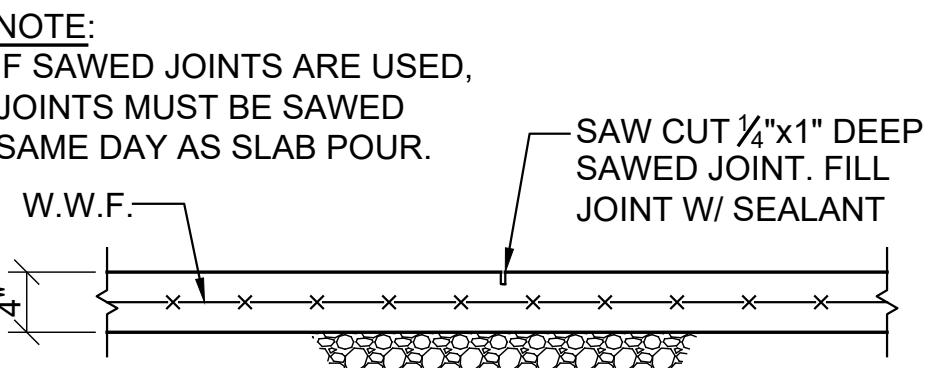
**TYPICAL C.M.U. PARTITION WALL ANCHORAGE  
DETAIL AT OPEN WEB JOISTS**



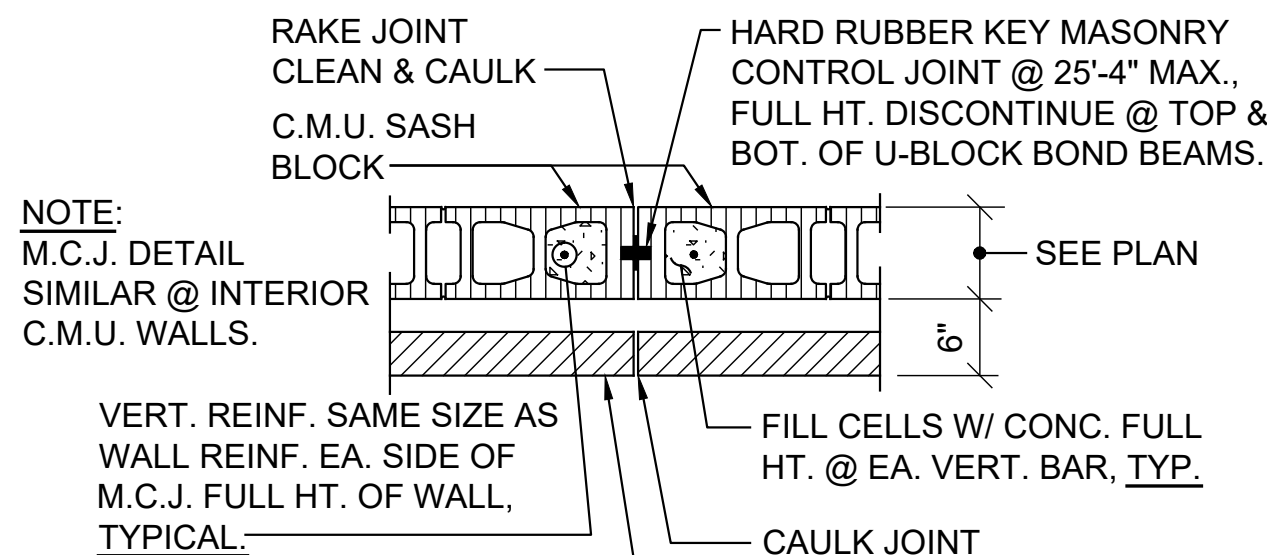
**TYPICAL FLOOR DECK WELDING REQUIREMENTS**  
NO SCALE



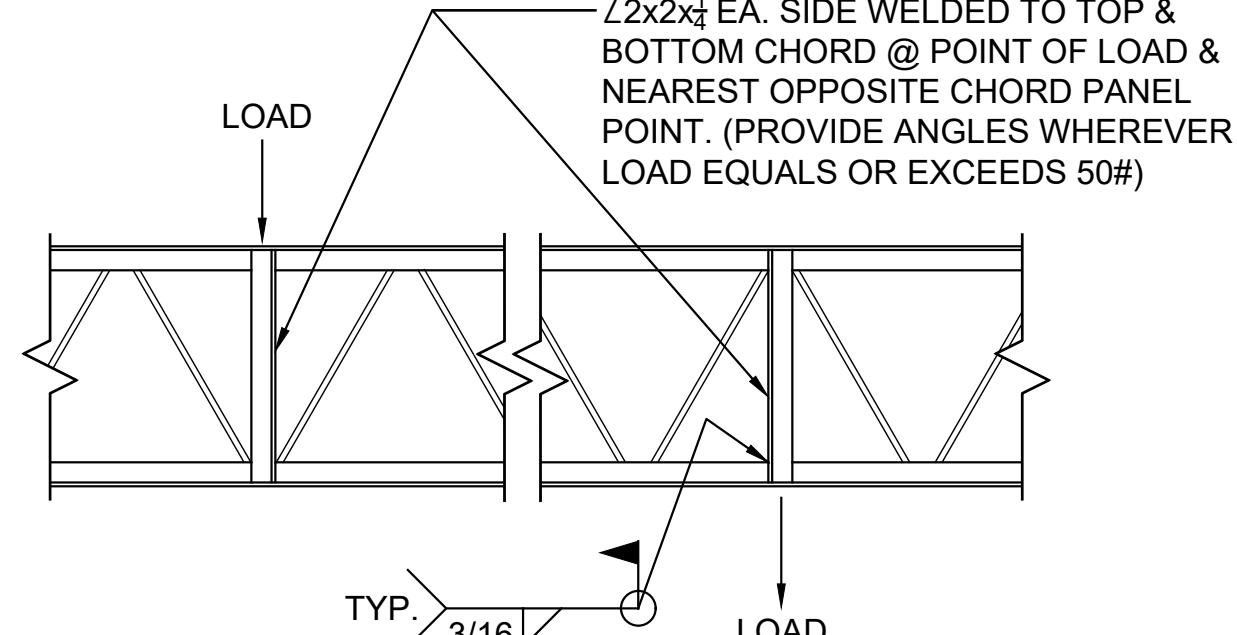
**TYPICAL SLAB CONSTRUCTION  
JOINT DETAIL (C.J.)**



**ALTERNATE SLAB CONSTRUCTION  
JOINT DETAIL (SAWED JOINT)**

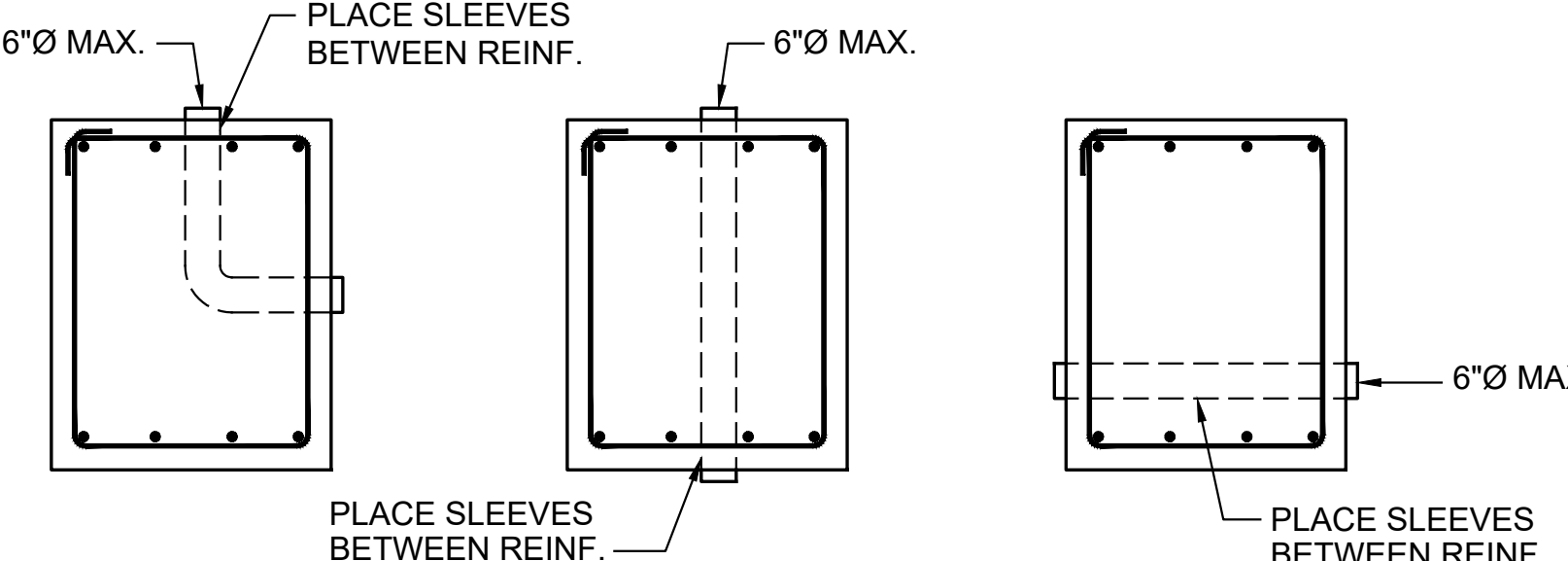


**TYPICAL MASONRY CONTROL JOINT (M.C.J.)**

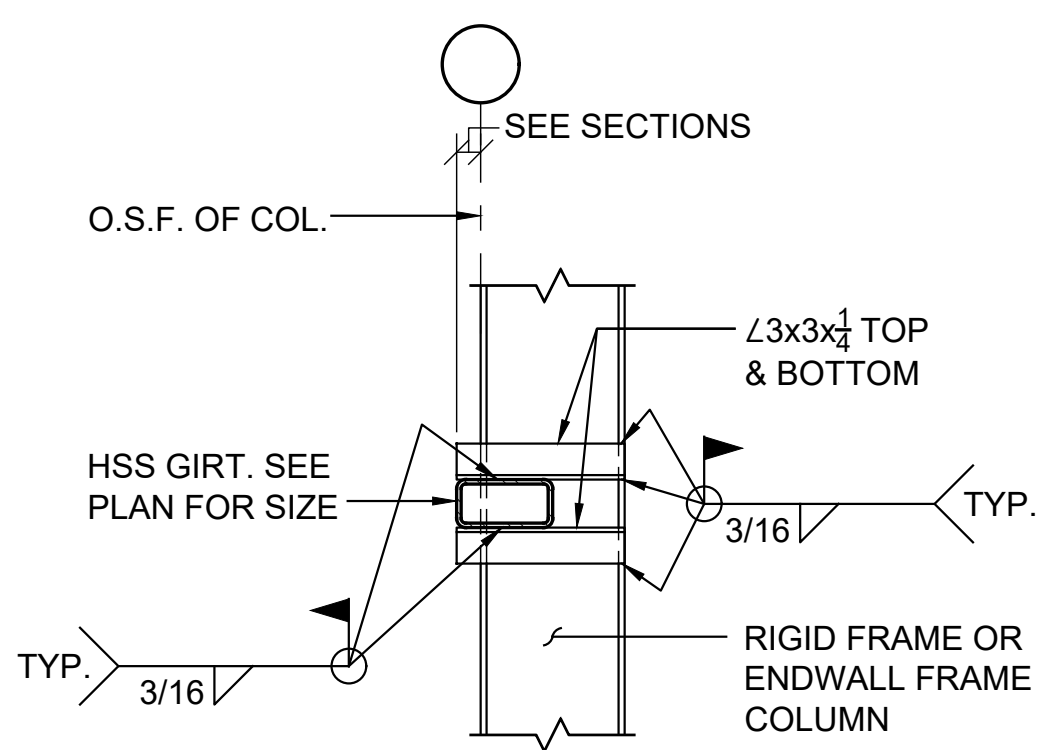


**TYPICAL JOIST WHERE LOAD IS  
ADDED @ OTHER THAN PANEL POINT**

**NOTES:**  
1. ALL SLEEVES PLACED IN GRADE BEAMS SHALL BE MADE W/ SCHEDULE 40 STEEL PIPE. PROVIDE 3"Ø STEEL PIPE SLEEVES @ 2"Ø PLUMBING PIPES & 6"Ø SLEEVES @ 4"Ø PLUMBING PIPES.  
2. PLACE PLUMBING PIPE OUTSIDE OF GRADE BEAMS & BELOW GRADE BEAMS WHERE POSSIBLE. ONLY SLEEVE GRADE BEAM WHEN THIS IS NOT POSSIBLE.



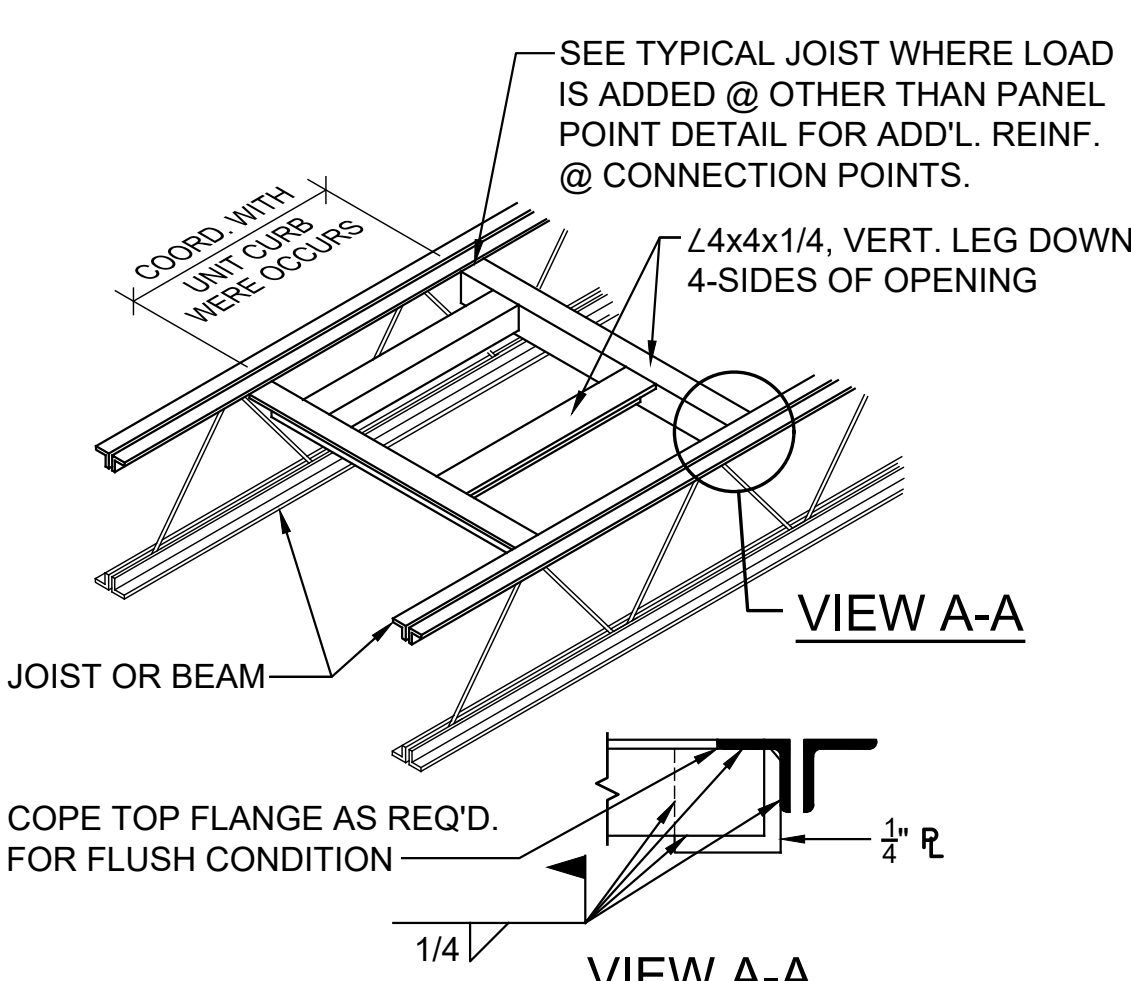
**TYPICAL PLUMBING SLEEVE IN GRADE BEAM DETAILS**



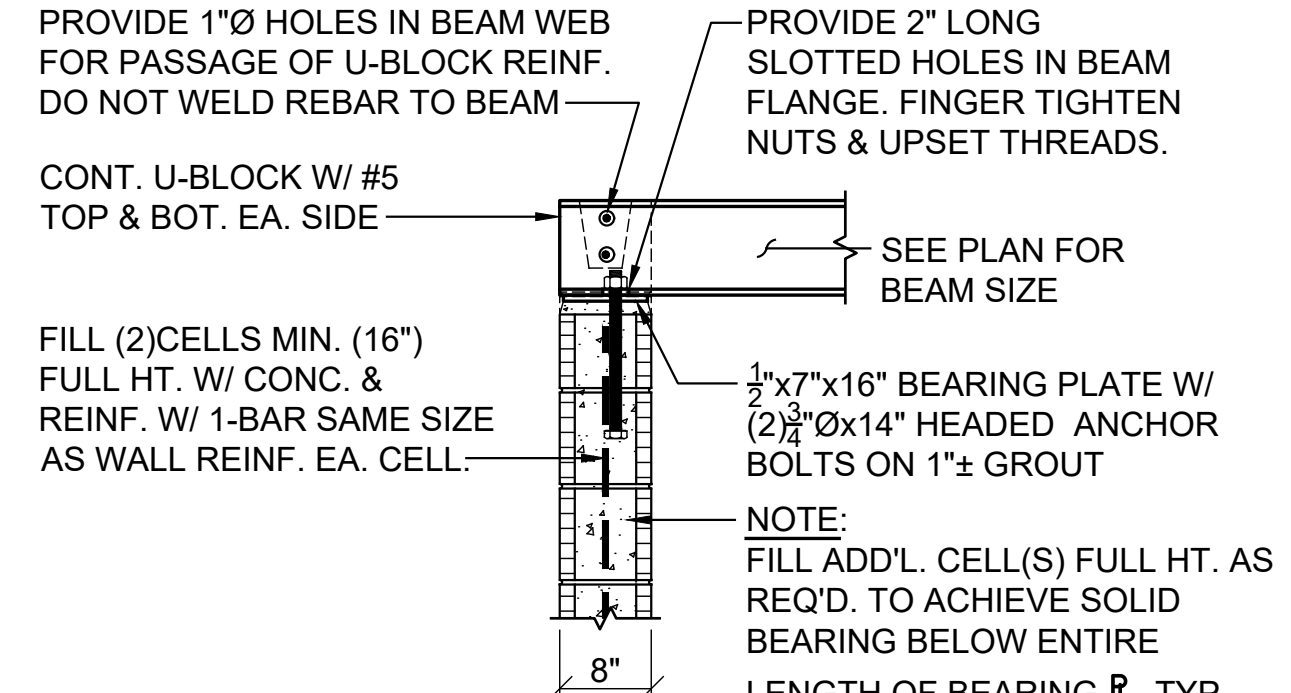
**TYPICAL HSS GIRTS TO BUILDING COLUMN DETAIL**

FOOTING SCHEDULE			
MARK	SIZE	DEPTH	REINFORCING
(A)	4'-0" x 4'-0"	12"	(6)#4 EA. WAY TOP * (6)#4 EA. WAY BOTTOM
(B)	10'-4" x 10'-4"	24"	(13)#6 EA. WAY TOP (13)#6 EA. WAY BOTTOM

\*=PROVIDE 180° HOOK EACH END ALL BARS.



**TYPICAL FLOOR OPENING FRAMING DETAIL**



**TYPICAL BEAM BEARING ON C.M.U.  
WALL DETAIL (PERPENDICULAR)**

**GENERAL NOTES**

- FOUNDATION:**
- THE BEARING STRATA OF ALL FOOTINGS AND GRADE BEAMS SHALL BE INSPECTED AND APPROVED BY THE SOILS TESTING LABORATORY PRIOR TO PLACING THE REINFORCING STEEL AND CONCRETE.
  - ALL FOOTINGS SHALL BEAR ON AN LEAN CONCRETE MUD FOOTINGS CAPABLE OF SUSTAINING THE LOADS.
  - FOOTINGS WERE DESIGNED FOR AN ALLOWABLE SOIL BEARING OF P = 2000 PSF THE TESTING AGENCY SHALL VERIFY THAT THE SOILS ARE CAPABLE OF SUSTAINING 2000 PSF PRIOR TO CONCRETE PLACEMENT.
  - ELEVATIONS SHOWN ON PLAN ARE TOP OF FOOTINGS AND ARE MINIMUM DEPTH. DIFFERENT OR UNUSUAL CONDITIONS SHALL BE REPORTED TO THE ARCHITECT AND/OR ENGINEER.
  - ALL FOOTING REINFORCEMENT SHALL BE HELD SECURELY FROM THE GROUND. CONCRETE BLOCK AND BROKEN TILE SHALL NOT BE USED. CONCRETE OR CLAY BRICK MAY BE USED.
  - DOWEL ALL FOOTINGS AND WALLS WHERE THEY ABUT WITH SAME STEEL AS VERTICAL.
  - PROVIDE PREFORMED EXPANSION JOINT WHERE SHOWN.
  - IN FOOTINGS PROVIDE CORNER BARS AT ALL EXTERIOR BUILDING CORNERS.
  - DO NOT BACK FILL BEHIND FOUNDATION WALLS UNTIL TOP AND BOTTOM SLABS HAVE BEEN POURED AND ATTAINED THEIR DESIGN STRENGTHS.

- CONCRETE:**
- ALL CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH AT 28 DAYS OF F<sub>c</sub> = 3000 PSI AND A MAXIMUM WATER-CEMENT RATIO OF 0.53. ALL CONCRETE FOR EXTERIOR APPLICATIONS SHALL CONTAIN ENTRAINED AIR.
  - REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60.
  - WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 OR ASTM A1064.
  - UNLESS NOTED OTHERWISE PROTECTIVE COVERING OF REINFORCEMENT SHALL BE AS FOLLOWS ( SEE DETAILS ) : FOOTINGS AND GRADE BEAMS 3" CLEAR BOTTOM AND SIDES, 1 1/2" CLEAR TOP. CONCRETE SLABS 3/4" CLEAR. FORMED CONCRETE COLUMNS 1 1/2" CLEAR TO TIES.
  - LAP ALL CONCRETE WALL VERTICAL REINFORCING AND CONCRETE BEAM HORIZONTAL REINFORCING WITH CLASS B LAP SPLICES. LAP ALL OTHER CONTINUOUS BARS WITH CLASS A SPLICES UNLESS NOTED OTHERWISE.
  - PLACING PLANS AND DETAILS SHALL BE IN ACCORDANCE WITH THE LATEST "A.C.I. DETAILING MANUAL".
  - STEEL FABRICATOR SHALL SUBMIT SHOP DRAWINGS FOR THE ARCHITECT AND/OR ENGINEER'S REVIEW.
  - DO NOT RUN CONDUITS, RACEWAYS, OR PIPES IN CONCRETE SLABS, BEAMS, OR COLUMNS WITHOUT SPECIFIC APPROVAL FROM BLACKBURN DANIELS O'BARR.

- MASONRY:**
- PROVIDE MASONRY HORIZONTAL JOINT REINFORCEMENT 16" O.C. VERTICAL IN ALL CONCRETE BLOCK WALLS. REINFORCEMENT SHALL BE FOR TOTAL WIDTH OF CAVITY WALLS.
  - WHERE CONCRETE OR STEEL BEAMS BEAR ON CONCRETE BLOCK WALLS, BLOCK CELLS SHALL BE FILLED WITH CONCRETE 1'-4" WIDE TO FOUNDATION AND REINFORCED WITH A #5 EACH CELL UNLESS NOTED OR DETAILED OTHERWISE.
  - CONCRETE OR GROUT FOR BLOCK FILL SHALL HAVE 3/8 INCH MAXIMUM SIZE COARSE AGGREGATE AND SUFFICIENT WATER SO THE CONCRETE WILL FLOW INTO THE BLOCK CELLS WITHOUT LEAVING VOIDS. HEIGHT OF LIFT WHEN FILLING CELLS SHALL NOT EXCEED 4'-0".
  - CONCRETE OR GROUT FILL FOR C.M.U. SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF F<sub>c</sub> = 3000 PSI. ON 16" AND DEEPER U-BLOCKS, FILL CELLS FULL HEIGHT OF LIFT AT SAME TIME.
  - ANCHOR ALL MASONRY WALLS TO STEEL COLUMNS WITH STRAP ANCHORS AT 16" O.C. VERTICALLY UNLESS SHOWN OTHERWISE.
  - UNLESS INDICATED OTHERWISE PROVIDE KEYED RUBBER MASONRY CONTROL JOINTS AT A MAXIMUM SPACING OF 25'-4". JOINT SHALL BE DISCONTINUOUS AT BOND BEAM. COORDINATE EXACT LOCATIONS WITH ARCHITECT.
  - PROVIDE REINFORCING BAR SUPPORTS TO CENTER VERTICAL REINFORCING IN MASONRY WALLS.
  - PROVIDE 48 DIAMETER LAP SPICE IN VERTICAL MASONRY REINFORCING.
  - PROVIDE CORNER BARS IN U-BLOCK BOND BEAMS AT CORNERS, TYPICAL.
  - ALL CMU SHALL BE PLACED IN A RUNNING BOND PATTERN UNLESS NOTED OTHERWISE ON ARCHITECTURAL DRAWINGS.
  - VERTICAL REINFORCING SHALL BE CONTINUOUS THROUGH BOND BEAMS AND LINTELS (CUT OUT OR NOTCH BOTTOM) OF U-BLOCKS AS REQUIRED - DO NOT SUBSTITUTE BLOCK WITH KNOCK-OUT WEBS WHERE STANDARD U-BLOCK IS INDICATED). FOR BOND BEAMS AT TOP OF WALL, EXTEND VERTICAL REINFORCING TO 1" CLEAR TOP OF BOND BEAM.

- STRUCTURAL STEEL:**
- ALL STRUCTURAL STEEL W AND WT SHAPES SHALL CONFORM TO ASTM A992 (GRADE 50). OTHER SHAPES SHALL CONFORM TO ASTM, A36, LATEST EDITION (EXCEPT STEEL JOISTS AND TUBE SECTIONS).
  - STRUCTURAL STEEL TUBE SECTIONS SHALL CONFORM TO ASTM A500, GRADE B, F<sub>y</sub> = 46.0 KSI.
  - HEADED STUDS SHALL BE TYPE B SHEAR CONNECTORS (F<sub>u</sub> = 65 KSI).
  - STEEL FABRICATOR SHALL SUBMIT SHOP DRAWINGS FOR THE ARCHITECT AND/OR ENGINEER'S REVIEW.
  - THE CONTRACTOR SHALL VERIFY ALL SHOP DRAWINGS DIMENSIONS WITH STRUCTURAL AND ARCHITECTURAL PLANS AND DETAILS.
  - BOLTED CONNECTIONS SHALL BE MADE WITH HIGH STRENGTH BOLTS CONFORMING TO ASTM A325. USE 3/4 INCH DIAMETER MINIMUM. UNLESS NOTED OTHERWISE, ALL BOLTS SHALL BE TIGHTENED AS FULLY PRETENSIONED BEARING CONNECTIONS.
  - CONNECTIONS NOT SHOWN ON DRAWINGS SHALL BE DESIGNED BY THE FABRICATOR. WHERE POSSIBLE USE DOUBLE ANGLE CONNECTIONS. USE MAXIMUM NUMBER OF BOLTS FOR DEPTH OF BEAM WITH SINGLE ROW OF BOLTS. WHERE DOUBLE ANGLE CONNECTIONS ARE NOT POSSIBLE, FABRICATOR SHALL DESIGN CONNECTION FOR CAPACITY EQUIVALENT TO DBL-ANGLE CONNECTION WITH MAX NO. BOLTS UNLESS DETAILED OTHERWISE.
  - FOR DBL-ANGLE CONNECTIONS, MIN ANGLE THICKNESS SHALL BE 5/16" FOR 3/4 INCH DIAMETER BOLTS AND 3/8" FOR 7/8 INCH DIAMETER BOLTS AND LARGER.
  - UNLESS SHOWN OTHERWISE PROVIDE 1/2 X 7 1/2 X 7 1/2 BEARING PLATES ON 1 INCH GROUT WITH 2-3/4" DIAMETER ANCHOR BOLTS UNDER ALL STEEL BEAMS THAT BEAR ON MASONRY WALLS.
  - OPEN WEB STEEL JOIST SHALL CONFORM TO THE SPECIFICATIONS OF THE AISC AND SJI AND TO THE LATEST OSHA STEEL ERECTION STANDARD.
  - UNLESS SHOWN OTHERWISE PROVIDE BRIDGING, BEARING SEATS, AND STABILIZER PLATES IN ACCORDANCE WITH ABOVE SPECIFICATIONS AND STANDARD.
  - ALL BRIDGING SHALL BE SECURELY ANCHORED AT END OF EACH RUN. WELD TO STEEL BEAM OR ANCHOR TO MASONRY WALL WITH 3/8" ANCHOR BOLTS.

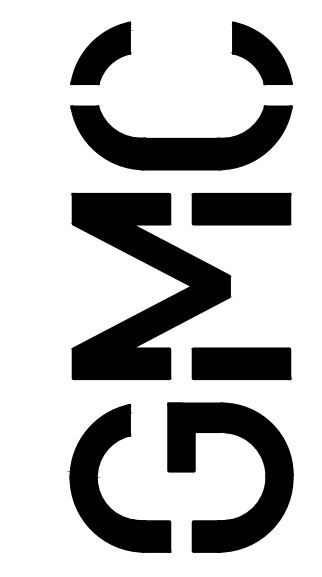
- PRE-ENGINEERED METAL BUILDING:**
- THE COMPLETE DESIGN OF METAL BUILDING INCLUDING ALL COMPONENTS SHOWN OR NOT SHOWN ON THE DRAWINGS SHALL BE ACCOMPLISHED BY THE BUILDING MANUFACTURER.
  - THE DESIGN SHALL BE MADE BY A REGISTERED ENGINEER, REGISTERED IN THE STATE OF ALABAMA AND HE SHALL AFFIX HIS REGISTRATION NUMBER TO ALL SHOP DRAWINGS AND CALCULATIONS.
  - THE BUILDING AND ALL OF ITS COMPONENTS SHALL BE DESIGNED FOR THE FOLLOWING DEAD AND LIVE LOADS:
    - ACTUAL WEIGHT OF STEEL STRUCTURE.
    - 10 PSF DEAD (COLLATERAL) LOAD IN ADDITION TO ACTUAL WEIGHT OF STRUCTURE AND ROOFING MATERIALS.
    - 20 PSF ROOF LIVE LOAD.
    - ANY ADDITIONAL LOADS AND REACTIONS THAT ARE SHOWN ON THE DRAWINGS.
    - WIND LOADING AS REQUIRED BY INTERNATIONAL BUILDING CODE.
  - NO LIVE LOAD REDUCTION SHALL BE TAKEN FOR THE DESIGN OF THE RIGID FRAMES.
  - WHERE MEMBER SIZES AND GAGES ARE SHOWN THEY SHALL BE CONSIDERED A MINIMUM SIZE. THE MANUFACTURER SHALL NOT USE SMALLER SIZE OR LIGHTER GAGES, OR OMIT FRAMING WHERE INDICATED. HE SHALL USE ONLY LARGER SIZE AND HEAVIER GAGES IF HIS DESIGN INDICATES THESE ARE REQUIRED TO MEET THE LOADING CRITERIA.
  - THE DEFLECTION OF GIRTS SHALL BE LIMITED TO 1/240 OF THE SPAN AND DEFLECTION OF PURLINS SHALL BE LIMITED TO 1/240 OF THE SPAN. DEFLECTION OF RIGID FRAMES SHALL BE LIMITED TO 1/240 OF THE SPAN. DEFLECTIONS SHALL BE BASED ON TOTAL LOAD (DEAD PLUS LIVE LOADS). TOTAL RIGID FRAME DRIFT SHALL BE LIMITED TO H/240, WHERE H IS EQUAL TO THE EAVE HEIGHT.
  - COLUMN BASES SHALL BE DESIGNED AS PINNED CONNECTIONS. MOMENTS AT COLUMN BASE PLATES ARE NOT ACCEPTABLE.
  - LOCATE PORTAL FRAMES ONLY WHERE INDICATED ON PLAN. PORTAL FRAME COLUMNS SHALL BE NESTED TIGHT TO WEB OF RIGID FRAME COLUMN.

- CODES:**
- ALL PARTS SHALL BE FURNISHED AND ERECTED ACCORDING TO THE APPLICABLE CODES AND SPECIFICATIONS OF THE FOLLOWING:
- AMERICAN CONCRETE INSTITUTE (ACI)
  - AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)
  - AMERICAN WELDING SOCIETY (AWS)
  - OSHA STEEL ERECTION STANDARD (OSHA)
  - STEEL JOIST INSTITUTE (SJI)
  - INTERNATIONAL BUILDING CODE (IBC 2021) (ICC)

- DESIGN LIVE LOADS:**
- ROOF.....20 PSF  
MEZZANINE.....125 PSF  
RISK CATEGORY (PER IBC 2021/ASCE 7-16).....II  
WIND.....INTERNATIONAL BUILDING CODE (PER ASCE 7-16)  
ULTIMATE DESIGN WIND SPEED (V<sub>ult</sub>).....109 MPH  
NOMINAL DESIGN WIND SPEED (V<sub>asd</sub>).....90 MPH  
WIND EXPOSURE.....C  
INTERNAL PRESSURE COEFFICIENTS.....+/-0.18  
SEISMIC IMPORTANCE FACTOR.....1.25  
SEISMIC...INTERNATIONAL BUILDING CODE (PER ASCE 7-16)  
MAPPED SPECTRAL ACCELERATION (SHORT-TERM) S<sub>s</sub>=0.214  
MAPPED SPECTRAL ACCELERATION (1-SECOND) S<sub>1</sub>=0.085  
SITE CLASS.....C  
SHORT-PERIOD SPECTRAL RESPONSE ACCEL.....S<sub>ds</sub>= 186g  
1-SECOND SPECTRAL RESPONSE ACCEL.....S<sub>d1</sub>= 085g  
SEISMIC DESIGN CATEGORY.....B  
SEISMIC FORCE-RESISTING SYSTEM.....PRE-ENGINEERED STEEL STRUCTURE  
NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE  
DESIGN BASE SHEAR (ULTIMATE).....63.7k  
SEISMIC RESPONSE COEFFICIENT.....C<sub>s</sub>=0.0618  
RESPONSE MODIFICATION FACTOR.....R=3  
ANALYSIS PROCEDURE.....ASCE 7 (SECT 12.8)

- SNOW.....INTERNATIONAL BUILDING CODE**  
GROUND SNOW LOAD.....P<sub>g</sub>=5 PSF
- SLOPED ROOF: TRIBUTARY AREA A = 10 SF**  
ZONE 1: -46.5 PSF/11.9 PSF  
ZONE 2: -61.3 PSF/11.9 PSF  
ZONE 3: -83.5 PSF/11.9 PSF  
ZONE 1': -26.7 PSF/11.9 PSF
- SLOPED ROOF: TRIBUTARY AREA A = 100 SF**  
ZONE 1: -41.8 PSF/-5.0 PSF  
ZONE 2: -53.8 PSF/-5.0 PSF  
ZONE 2: -62.9 PSF/-5.0 PSF  
ZONE 1': -32.2 PSF/-5.0 PSF
- WALL: TRIBUTARY AREA A = 10 SF**  
ZONE 4: -31.6 PSF/29.2 PSF  
ZONE 5: -39.0 PSF/29.2 PSF
- WALL: TRIBUTARY AREA A = 50 SF**  
ZONE 4: -26.2 PSF/15.0 PSF  
ZONE 5: -30.1 PSF/15.0 PSF
- WALL: TRIBUTARY AREA A = 100 SF**  
ZONE 4: -25.0 PSF/13.8 PSF  
ZONE 5: -27.7 PSF/13.8 PSF

COMPONENTS AND CLADDING ULTIMATE WIND PRESSURES:  
NOTE: MULTIPLY ALL VALUES SHOWN BELOW BY 0.6 TO GET ALLOWABLE DESIGN PRESSURES. SEE FIGURE 30.4-1 OF ASCE 7-16 FOR INDICATED ZONES.



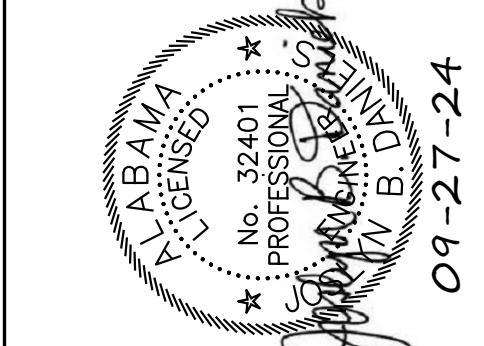
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FINAL SET	09/27/2024

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CHECKED BY: JBD

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GENERAL NOTES  
SCHEDULES  
TYPICAL DETAILS

**S0.01**







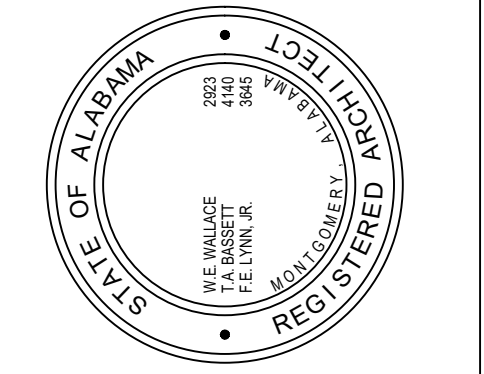




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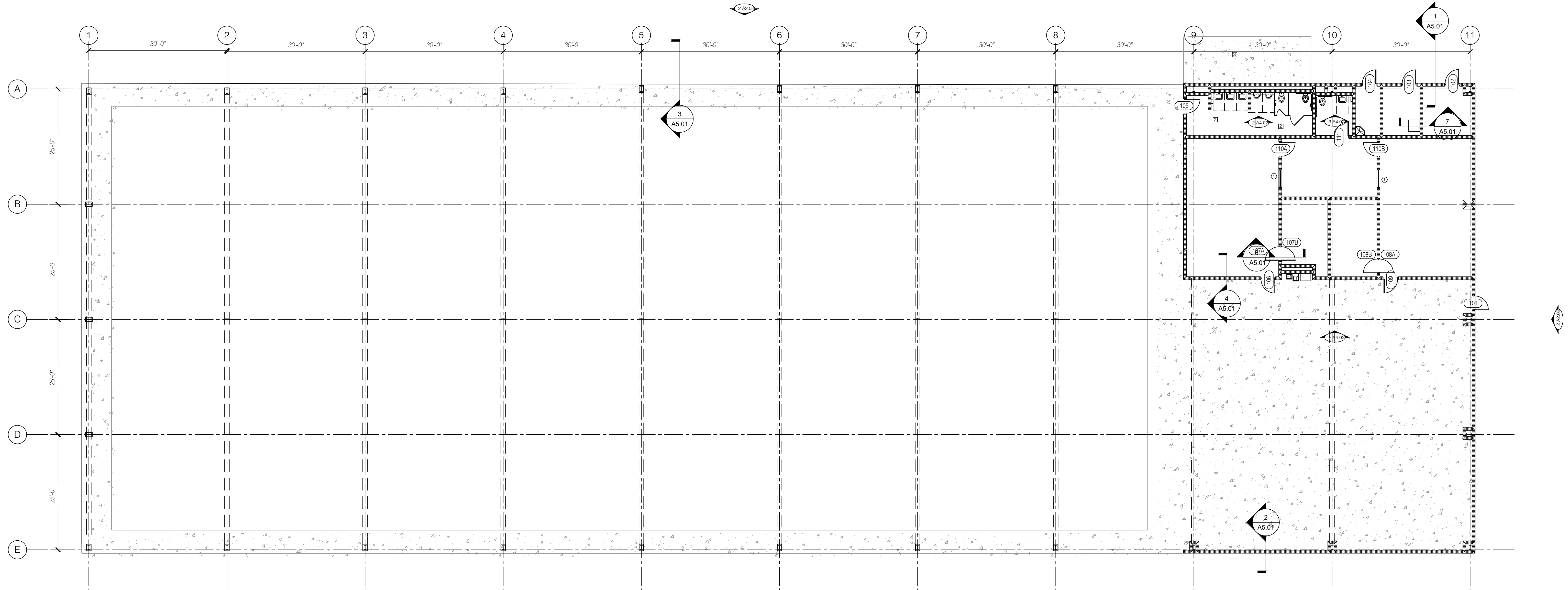
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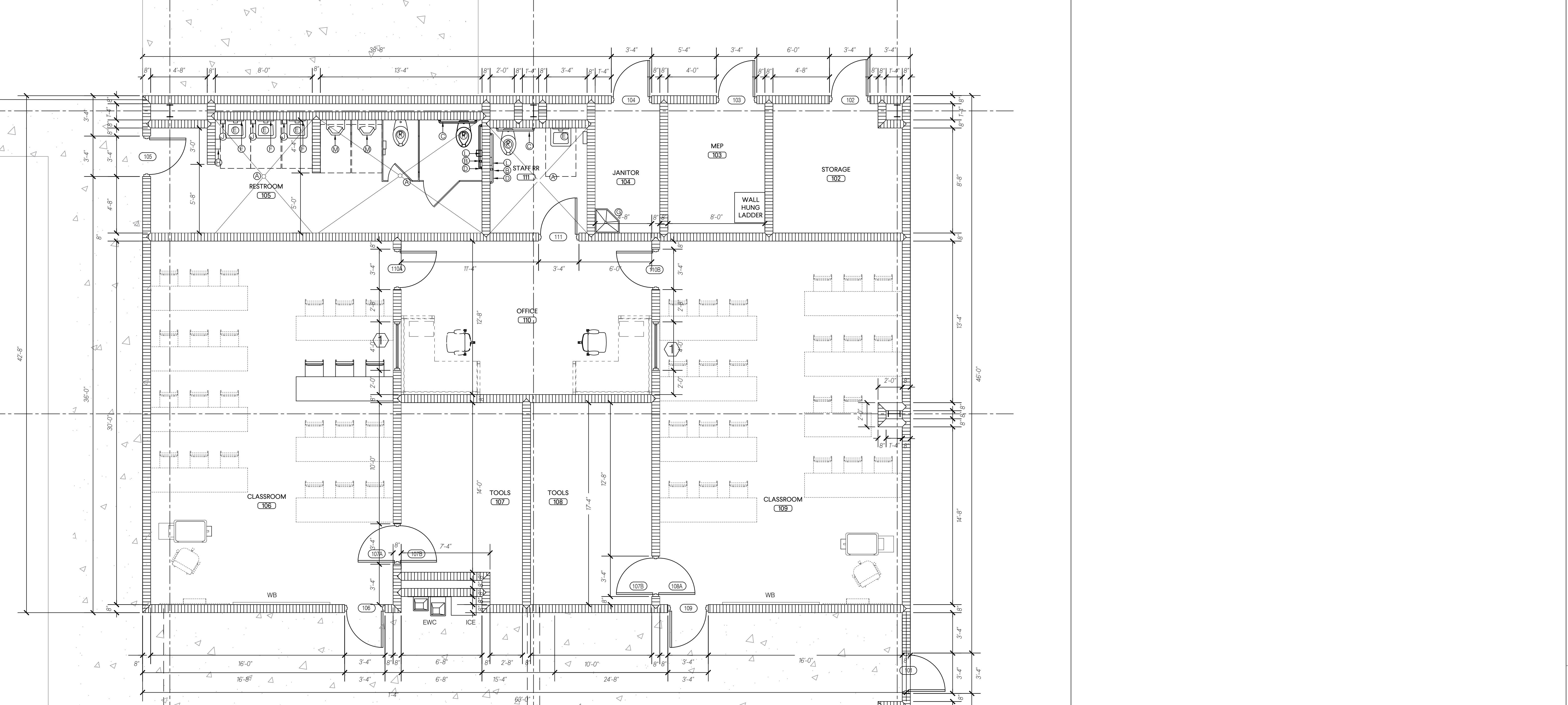
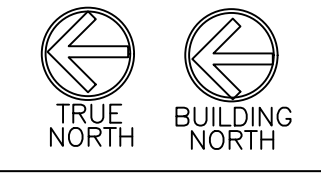


FLOOR PLAN  
LARGE SCALE PLAN  
& DETAILS

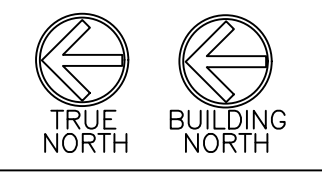
A1.01  
Sheet 01



**FLOOR PLAN**  
SCALE: 1/16" = 1'-0"



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



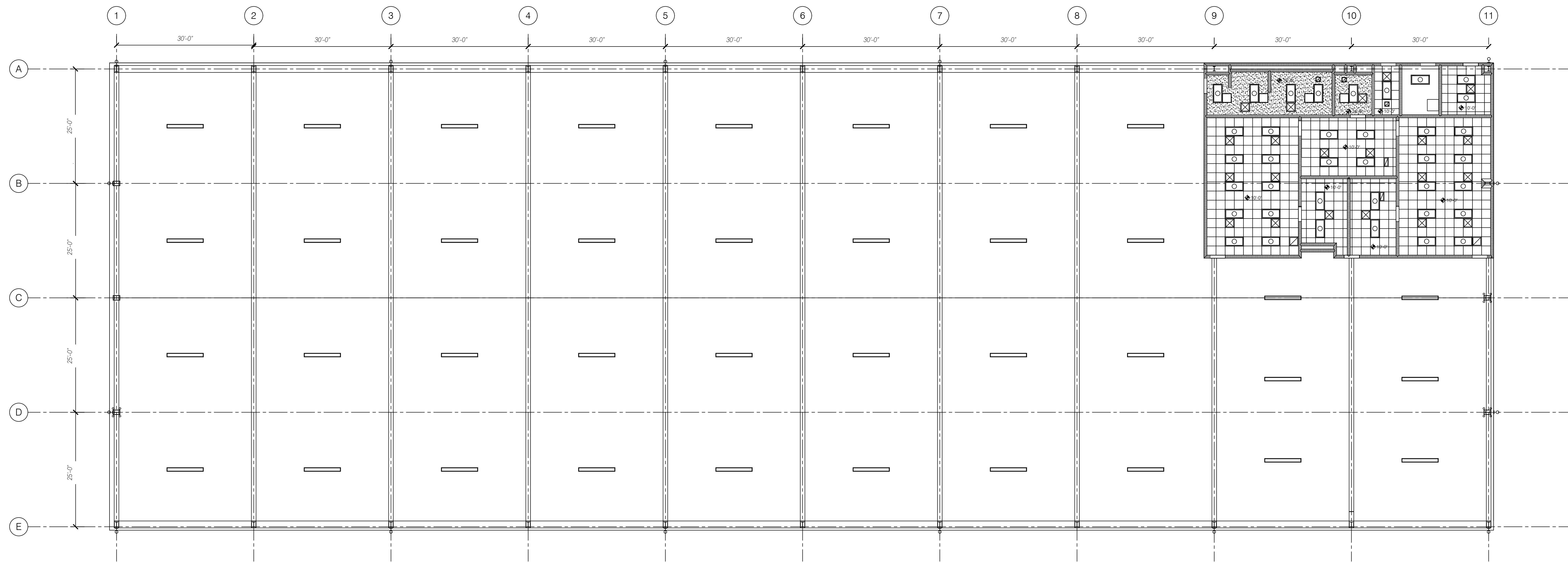
**FLOOR PLAN LEGEND**

- INDICATES DOOR / FRAME AS SCHEDULED
- NEW CMU WALL
- FLOOR DRAIN
- 18" GRAB BAR
- 36" GRAB BAR
- 42" GRAB BAR
- DETENTION GRADE LAVATORY
- MIRROR
- MOP SINK
- PAPER TOWEL DISPENSER (OFCI)
- SANITARY NAPKIN DISPOSAL (OFCI)
- SOAP DISPENSER (OFCI)
- DETENTION GRADE TOILET
- TOILET PAPER DISPENSER (OFCI)
- DETENTION GRADE URINAL
- SOLID SURFACE
- WB WHITEBOARD (SEE ELEVATION)
- TV 48" TELEVISION
- EWC ELECTRIC WATER COOLER (HI-LOW WITH BOTTLE FILLER)
- EW EYE WASH AND SHOWER
- ICE ICE MACHINE

**FLOOR PLAN NOTES**

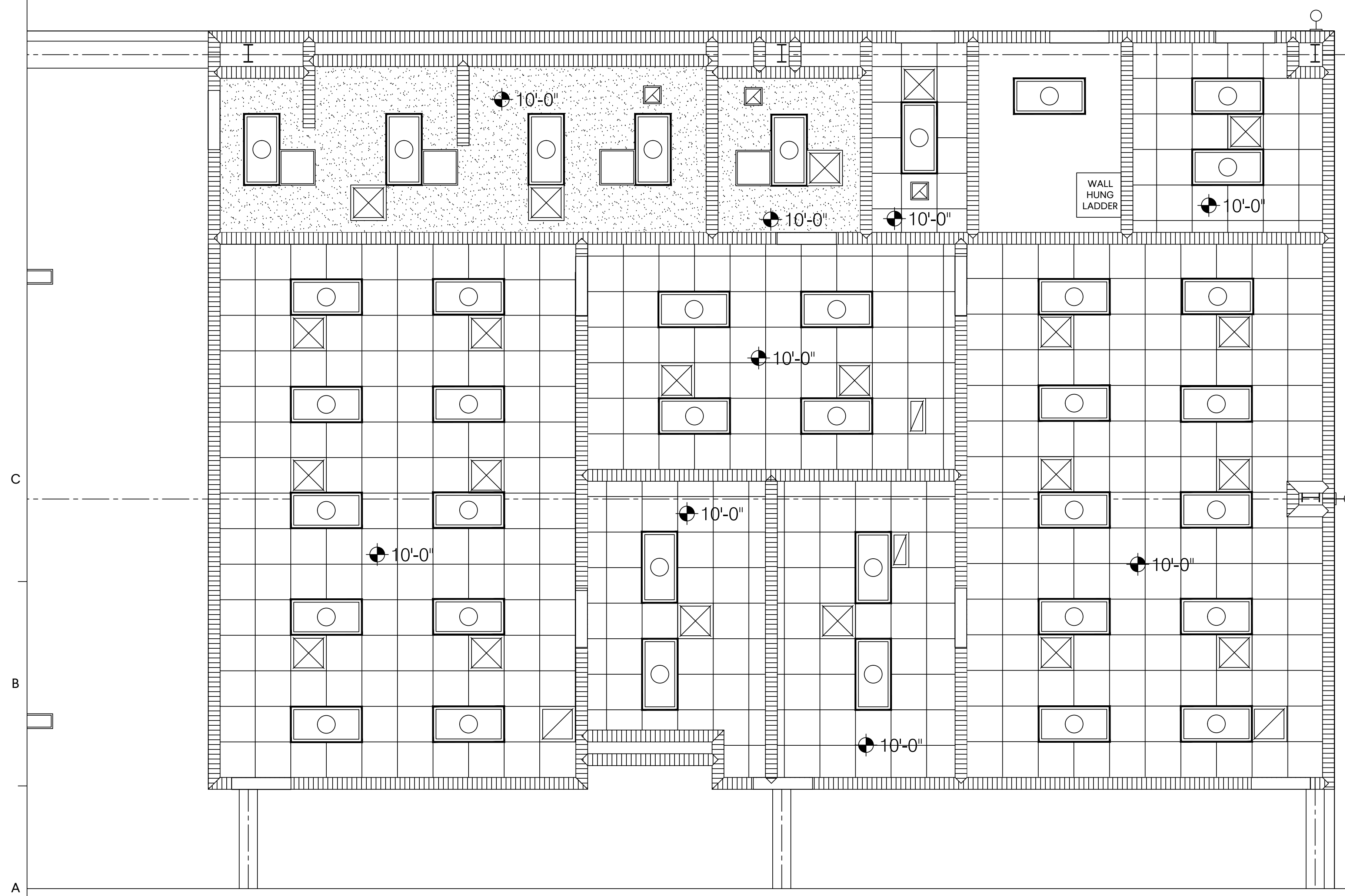
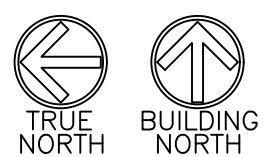
- 1 CONTRACTOR TO INSTALL NEW DOOR AND FRAME WITH MINIMUM 16" FROM EDGE OF FRAME TO NEW WALL
- 2 SLOPE CONCRETE TO DRAIN FOR POSITIVE DRAINAGE
- 3 4" THICK CONCRETE EQUIPMENT PAD. COORDINATE WITH MECHANICAL DRAWINGS





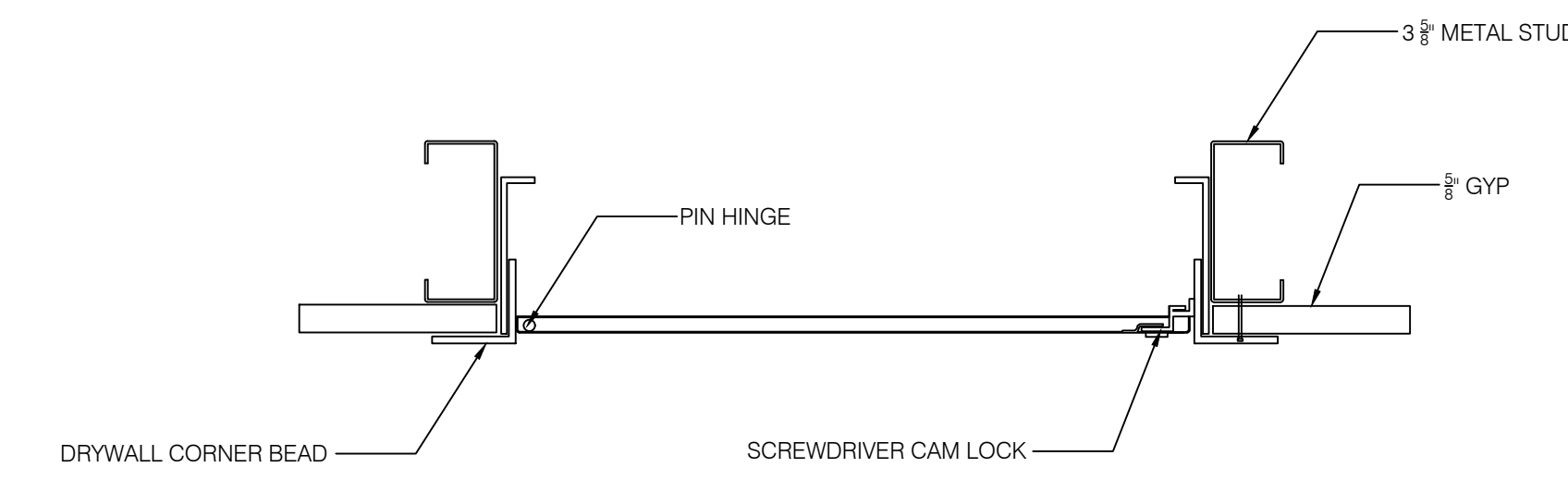
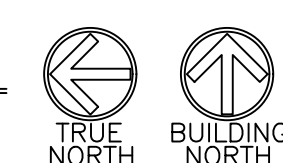
REFLECTED CEILING PLAN

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



ENLARGED REFLECTED CEILING PLAN

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



ACCESS PANEL DETAIL

SCALE: 3" = 1'-0"

CEILING PLAN LEGEND

MATERIAL

- LAY-IN ACOUSTICAL CEILING TILE & GRID
- GYPSUM BOARD CEILING ON SUSPENSION SYSTEM OR METAL STUD FRAMING
- CONCRETE DOUBLE-TEE STRUCTURE
- NO CEILING, PAINT ONLY
- HEIGHT ABOVE FINISHED FLOOR

LIGHTING

- 2 x 4 LAY-IN LIGHT FIXTURE
- 2 x 2 LAY-IN LIGHT FIXTURE
- STRIP LIGHT
- 8' LINEAR LED FIXTURE
- EXIT LIGHT (EX' - EXISTING)

MECHANICAL

- SUPPLY AIR GRILL
- RETURN AIR GRILL
- EXHAUST AIR GRILL
- HEAT PUMP UNIT, CEILING MOUNTED

ACCESS HATCH

- 24" x 24" ACCESS PANEL

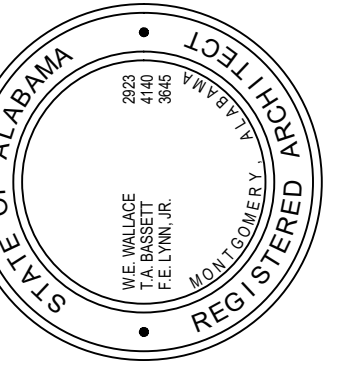
CEILING NOTES

1. CONTRACTOR TO COORDINATE CEILING HEIGHTS WITH ARCHITECT IN THE FIELD.

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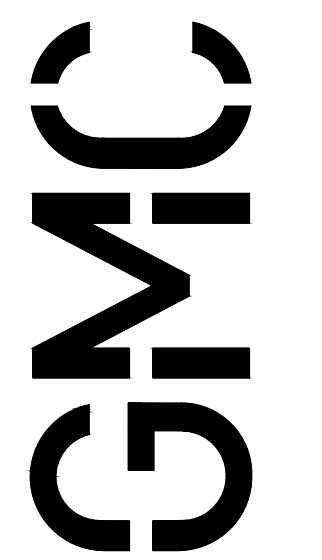
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RCP AND ROOF PLAN

A1.10

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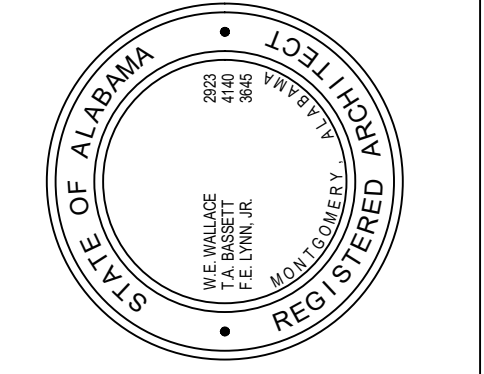


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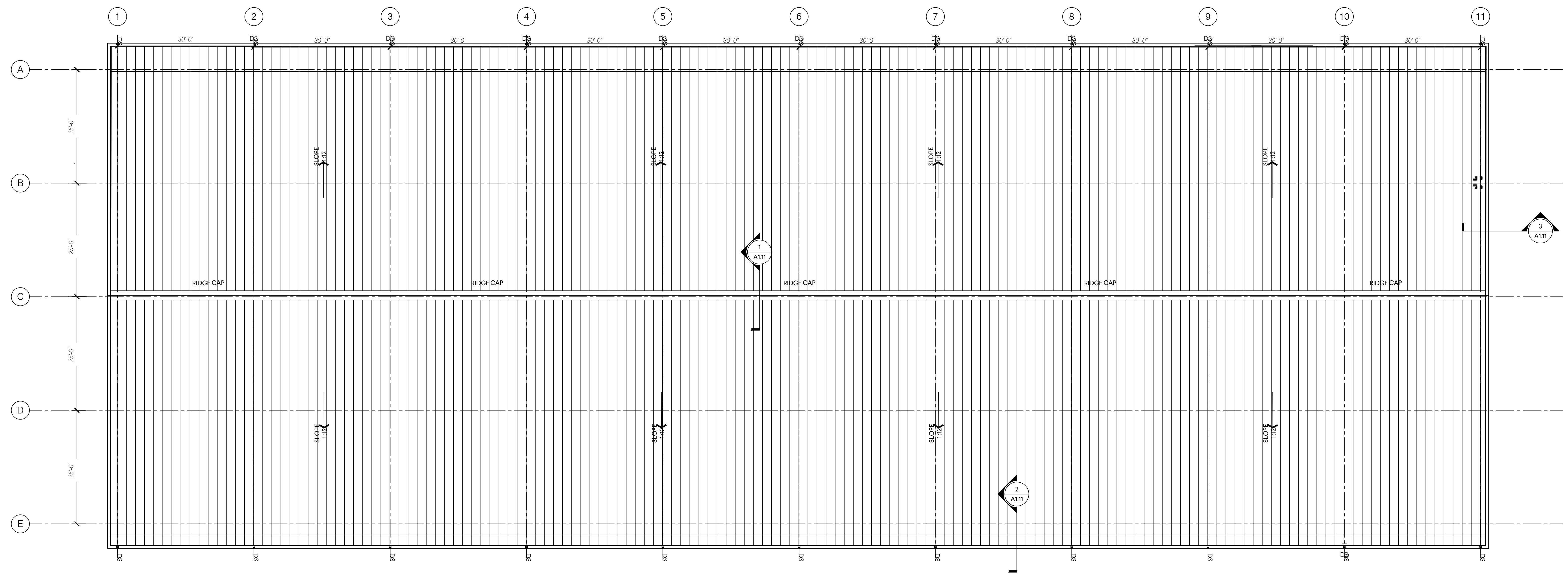
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**CONSTRUCTION DRAWINGS**



**ROOF PLAN AND DETAILS**

**A1.11**  
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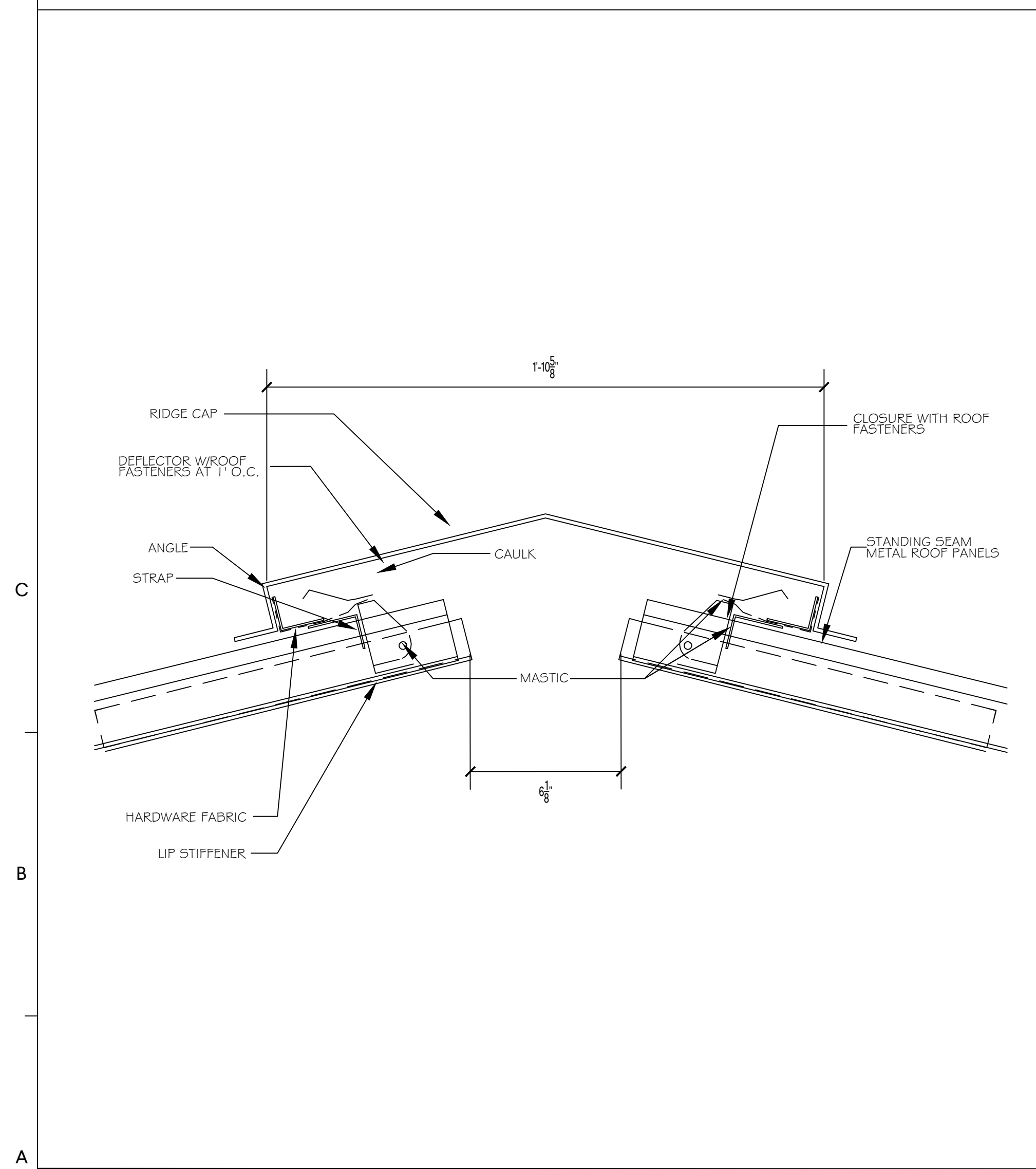
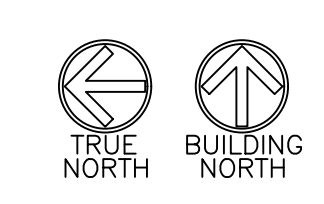


### ROOF PLAN GENERAL NOTES

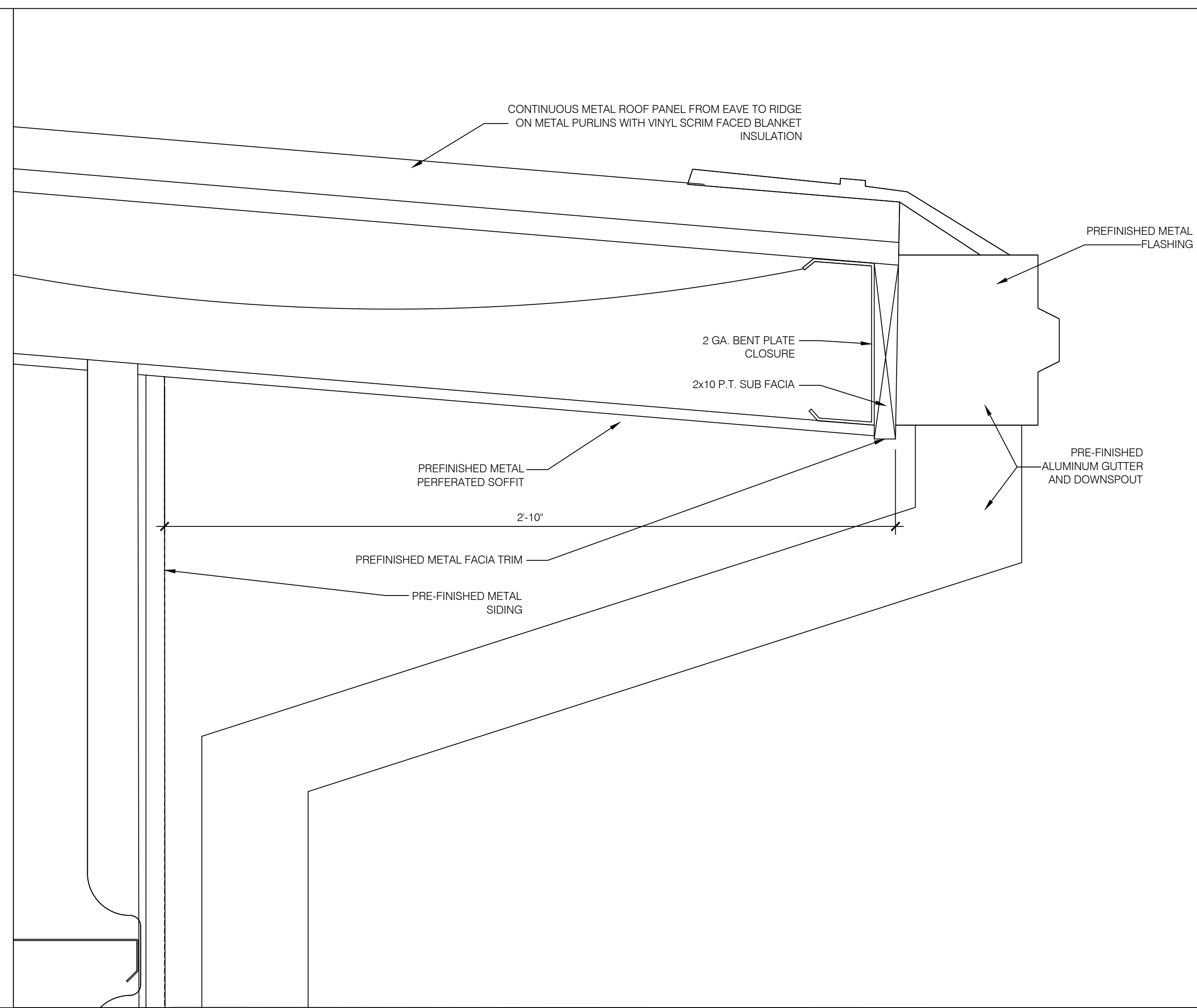
1 CONTRACTOR TO IDENTIFY REQUIREMENT FOR ALL ROOFING PANELS TO BE CONTINUOUS FROM EAVE TO RIDGE. NO HORIZONTAL PANEL LAP SEAMS

### ROOF PLAN

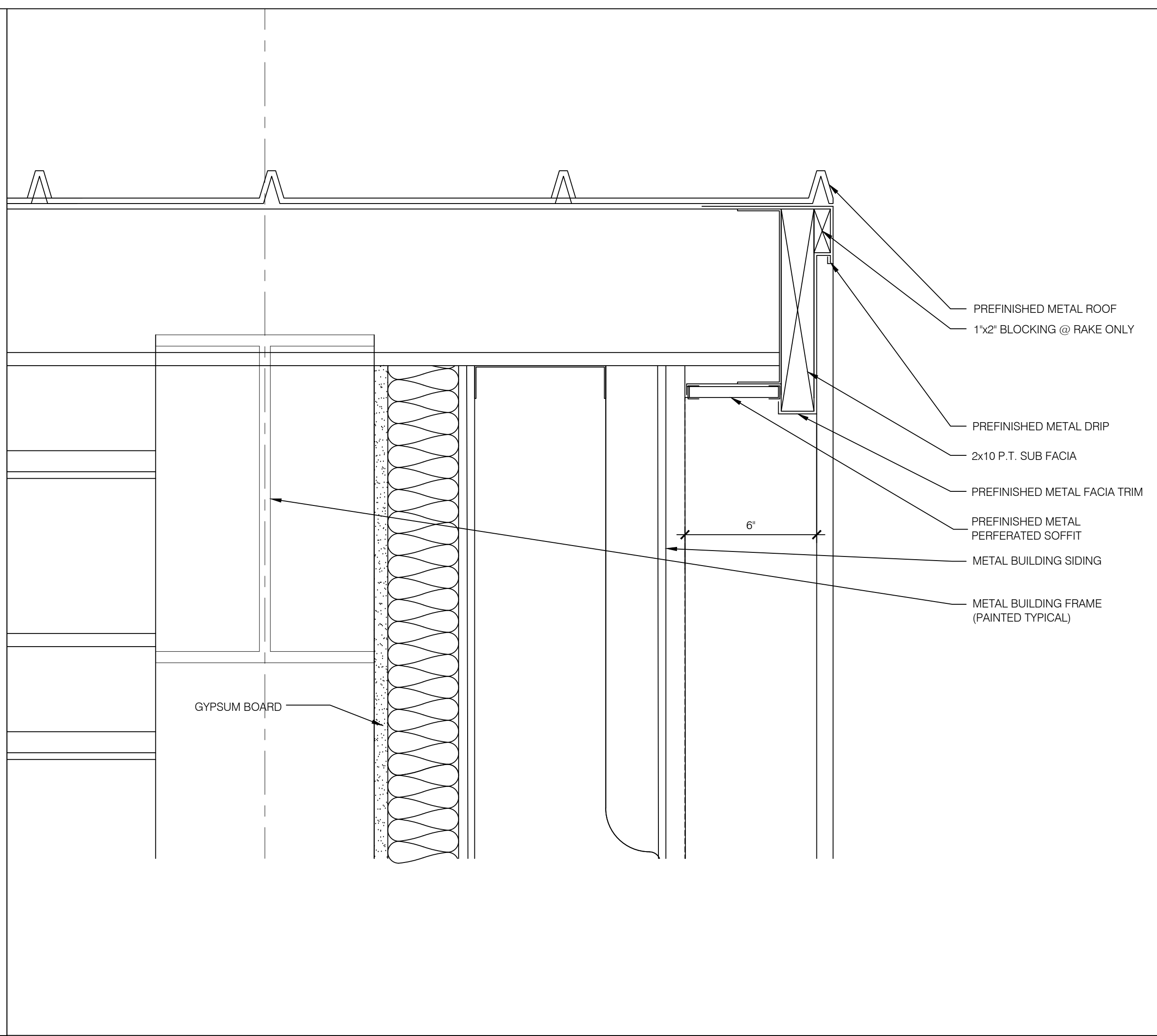
SCALE : 3/32" = 1'-0"



**1 RIDGE DETAIL**  
SCALE : 3" = 1'-0"

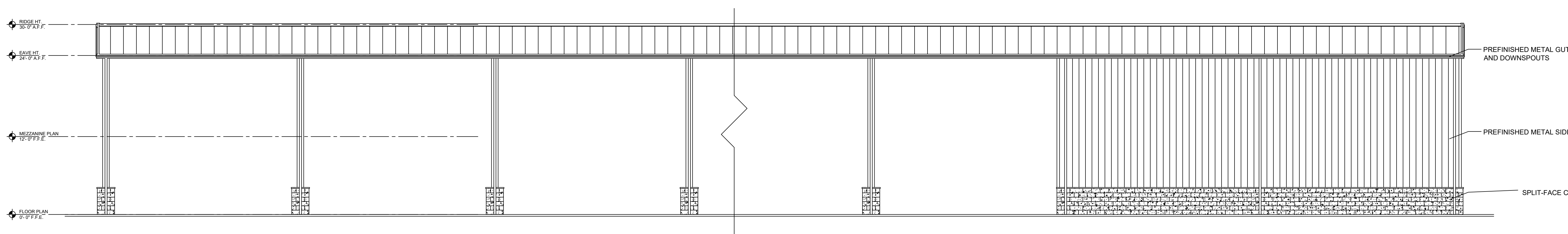


**2 GUTTER DETAIL**  
SCALE : 3" = 1'-0"

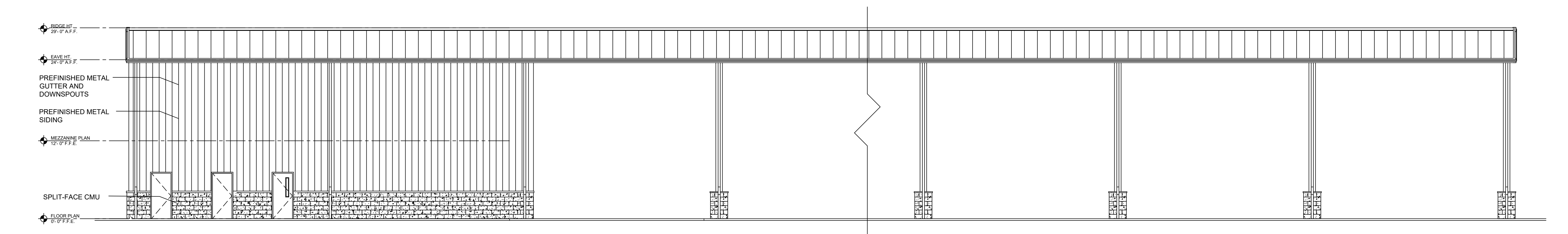


**3 RAKE DETAIL**  
SCALE : 3" = 1'-0"

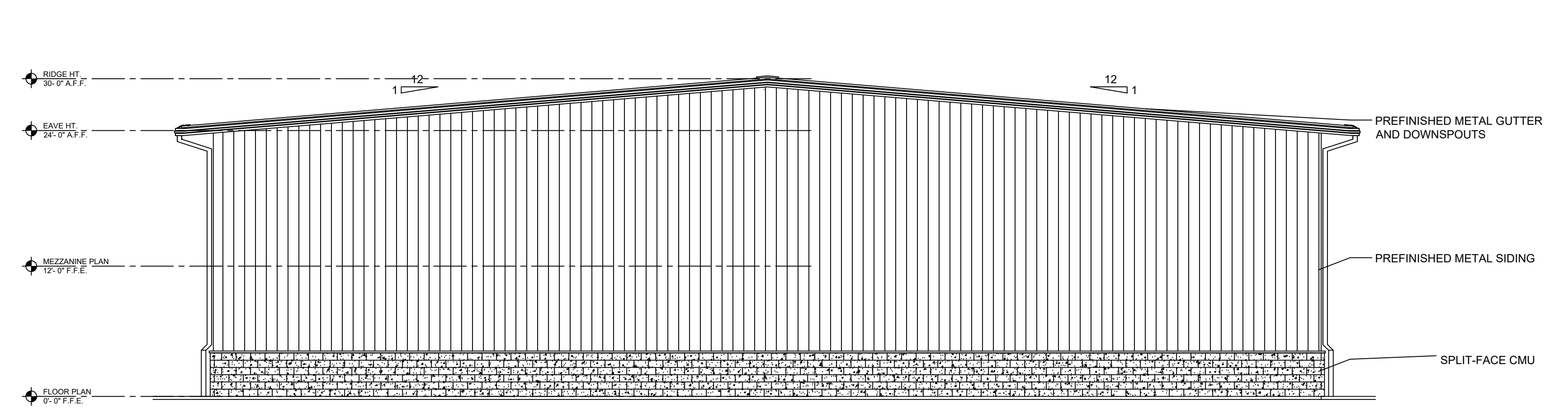




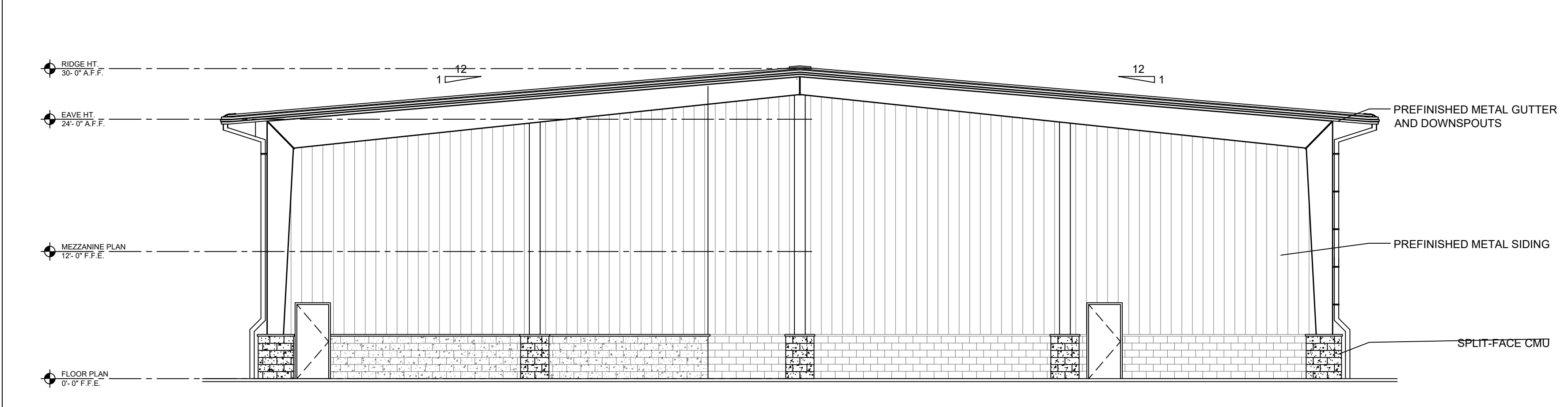
**SOUTH ELEVATION**  
SCALE: 1/8" = 1'-0"



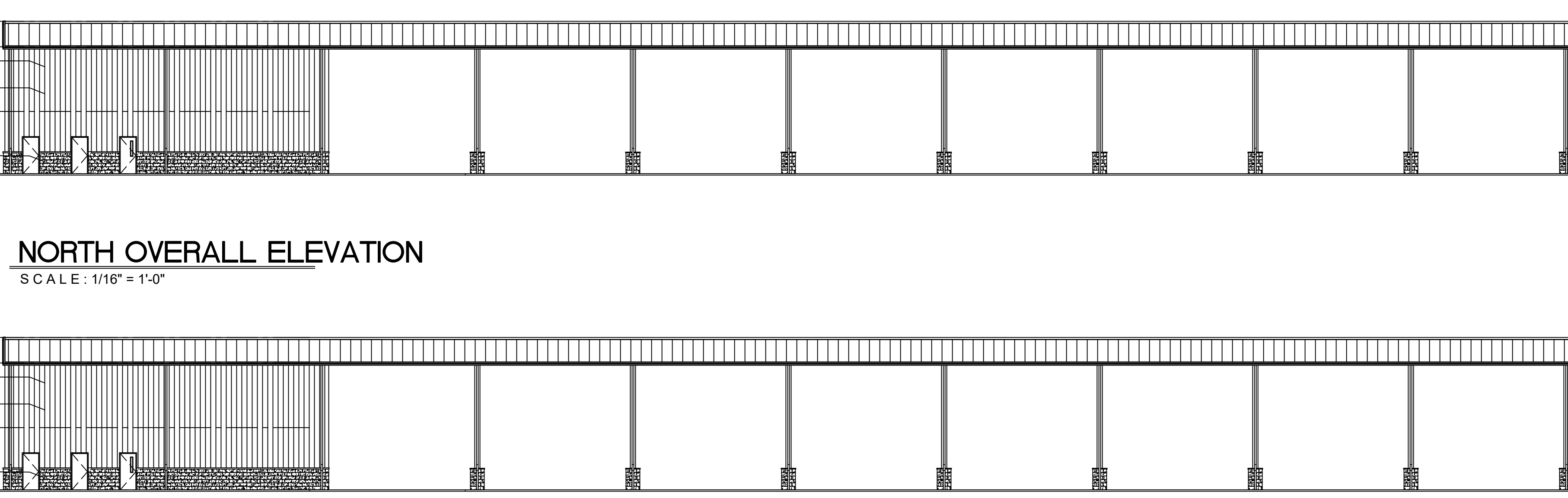
**NORTH ELEVATION**  
SCALE: 1/8" = 1'-0"



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

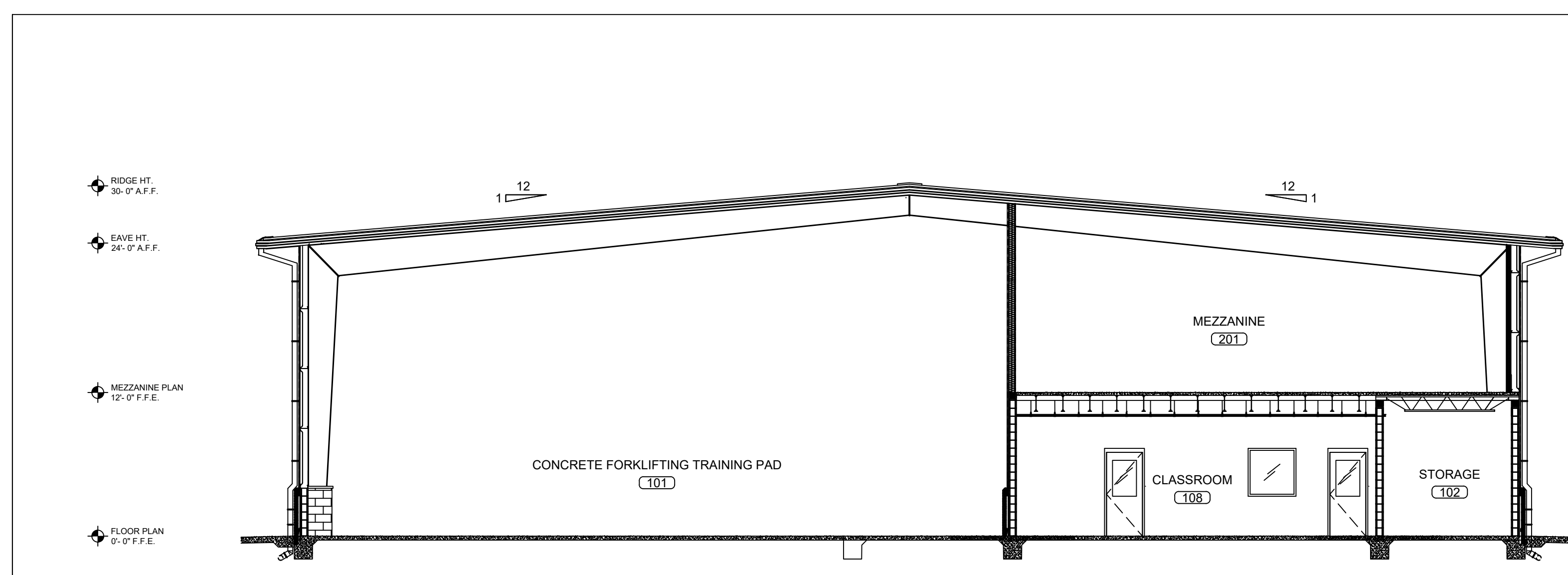


**WEST ELEVATION**  
SCALE: 1/8" = 1'-0"





**NORTH OVERALL ELEVATION**  
SCALE: 1/16" = 1'-0"

**NORTH OVERALL ELEVATION**  
SCALE: 1/16" = 1'-0"



**BUILDING SECTION**  
SCALE: 1/8" = 1'-0"

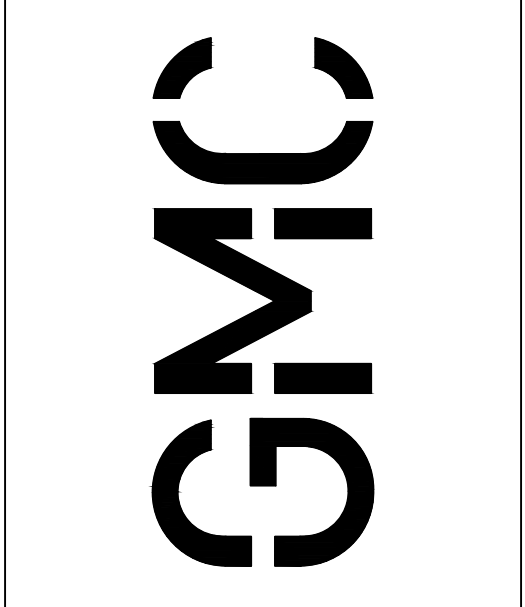
**ELEVATION LEGEND**

-  PREFINISHED METAL BUILDING SIDING
-  SPLIT-FACE CMU

**ELEVATION KEY NOTES**

**ELEVATION GENERAL NOTES**

- 1 ALL DOORS FRAMES AND OVERHEAD DOORS TO BE PAINTED RECEIVE NEW HARDWARE, THRESHOLDS, AND WEATHERSTRIPPING FOR WATER-TIGHT ENCLOSURE.
- 2 CONTRACTOR TO CLEAN ALL BUILDING SURFACES
- 3 CONTRACTOR TO WET SEAL ALL WINDOW ALL TO RECEIVE NEW CAULKING AND SEALANT FOR WATER-TIGHT ENCLOSURE
- 4 ALL MECHANICAL LOWERS/ PLUMBING PENETRATIONS/ GRILLES TO BE CLEANED, PAINTED, SEALED FOR WEATHER-PROOF AND WATER-TIGHT ENCLOSURE.
- 5 ALL EXPANSION CONTROL JOINTS TO BE SEALED WITH NEW BACKER ROD EXPANSION, CAULKING MATERIAL FOR WEATHER-PROOF AND WATER-TIGHT ENCLOSURE.
- 6 ALL EXTERIOR LIGHTS TO BE PROPERLY CAULKED/ SEALED (SEE ELECTRICAL)
- 7 ALL EXTERIOR RECEPTACLES TO RECEIVE NEW WEATHER-PROOF COVERS.
- 8 ALL DOWNSPOUTS TO TIE INTO STORM DRAINAGE
- 9 METAL ROOF PANELS SHALL BE CONTINUOUS FROM EAVE TO RIDGE. NO HORIZONTAL LAP SEAMS PERMITTED.

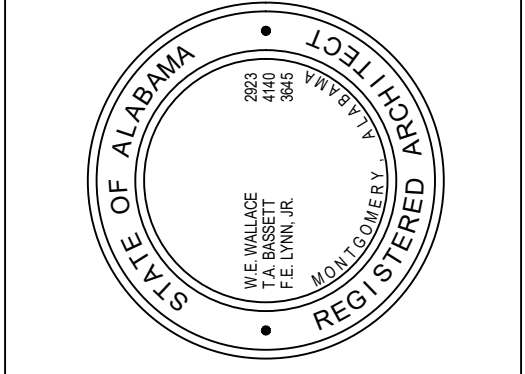


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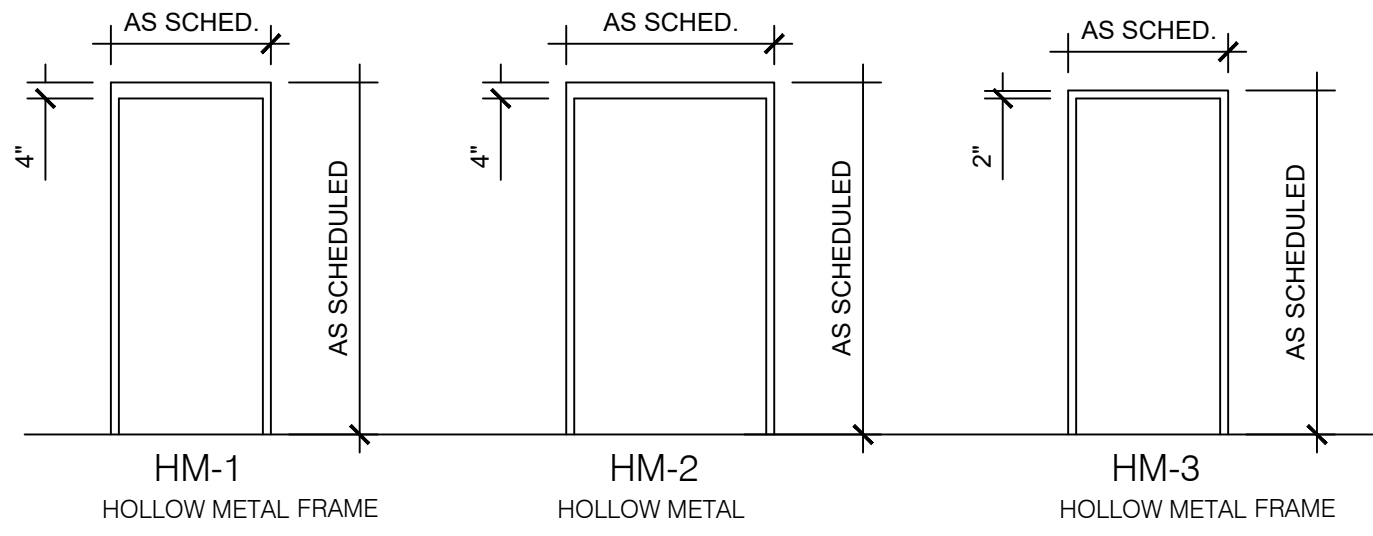


Exterior Elevations  
& Building Section

**A3.01**  
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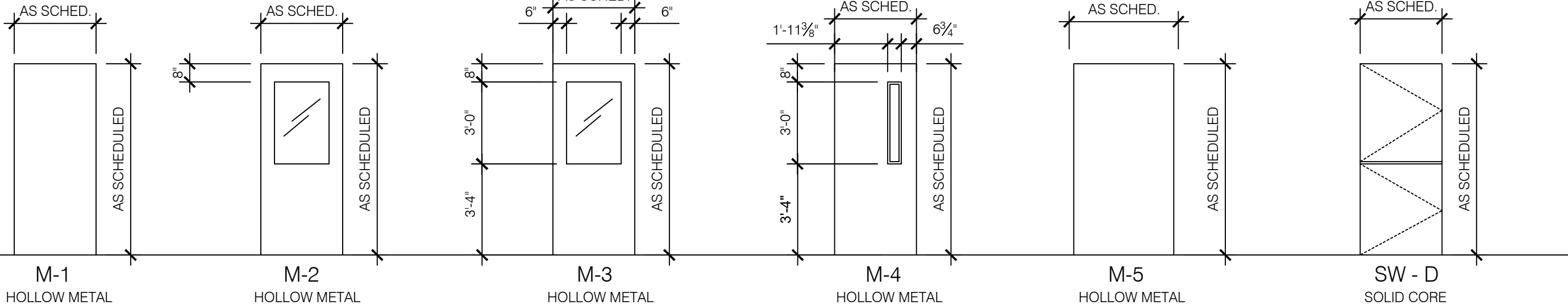
# DOOR AND FRAME SCHEDULE

DOOR NO.	ROOM NAME OR LOCATION	DOOR										DOOR RATING	REMARKS				
		DOOR TYPE	DOOR MATERIAL	DOOR FINISH	DOOR SIZE			FRAME TYPE	FRAME FINISH	FRAME SIZE				DETAILS			
					WIDTH	HEIGHT	THICKNESS			WIDTH	HEIGHT			HEAD	JAMB	SILL	
101	FORKLIFT TRAINING AREA	BASE BID	M-1	HM	PAINT	3'-0" (F.V.)	7'-0" (F.V.)	1-3/4"	HM-3	PAINT	3'-4" (F.V.)	7'-4" (F.V.)	1/A4.01	2/A4.01	3/A4.01	20 MIN.	-
102	STORAGE	BASE BID	M-4	HM/GLASS	PAINT	3'-0" (F.V.)	7'-0" (F.V.)	1-3/4"	HM-1	PAINT	3'-4" (F.V.)	7'-4" (F.V.)	1/A4.01	2/A4.01	3/A4.01	20 MIN.	-
103	MEP	BASE BID	M-1	HM	PAINT	3'-0" (F.V.)	7'-0" (F.V.)	1-3/4"	HM-1	PAINT	3'-4" (F.V.)	7'-4" (F.V.)	1/A4.01	2/A4.01	3/A4.01	20 MIN.	-
104	JANITOR	BASE BID	M-1	HM	PAINT	3'-0" (F.V.)	7'-0" (F.V.)	1-3/4"	HM-1	PAINT	3'-4" (F.V.)	7'-4" (F.V.)	1/A4.01	2/A4.01	3/A4.01	20 MIN.	-
105	RESTROOM	BASE BID	M-3	HM/F. GLASS	PAINT	3'-0" (F.V.)	7'-0" (F.V.)	1-3/4"	HM-1	PAINT	3'-4" (F.V.)	7'-4" (F.V.)	1/A4.01	2/A4.01	3/A4.01	20 MIN.	-
106	CLASSROOM	BASE BID	M-2	HM/GLASS	PAINT	3'-0" (F.V.)	7'-0" (F.V.)	1-3/4"	HM-1	PAINT	3'-4" (F.V.)	7'-4" (F.V.)	1/A4.01	2/A4.01	3/A4.01	20 MIN.	-
107A	TOOLS	BASE BID	SW-D	DUTCH	PAINT	3'-0" (F.V.)	7'-0" (F.V.)	1-3/4"	HM-1	PAINT	3'-4" (F.V.)	7'-4" (F.V.)	4/A4.01	5/A4.01	6/A4.01	20 MIN.	-
107B	TOOLS	BASE BID	M-1	HM	PAINT	3'-0" (F.V.)	7'-0" (F.V.)	1-3/4"	HM-1	PAINT	3'-4" (F.V.)	7'-4" (F.V.)	4/A4.01	5/A4.01	6/A4.01	20 MIN.	-
108A	TOOLS	BASE BID	SW-D	DUTCH	PAINT	3'-0" (F.V.)	7'-0" (F.V.)	1-3/4"	HM-1	PAINT	3'-4" (F.V.)	7'-4" (F.V.)	4/A4.01	5/A4.01	6/A4.01	20 MIN.	-
108B	TOOLS	BASE BID	M-1	HM	PAINT	3'-0" (F.V.)	7'-0" (F.V.)	1-3/4"	HM-1	PAINT	3'-4" (F.V.)	7'-4" (F.V.)	4/A4.01	5/A4.01	6/A4.01	20 MIN.	-
109	CLASSROOM	BASE BID	M-2	HM/GLASS	PAINT	3'-0" (F.V.)	7'-0" (F.V.)	1-3/4"	HM-1	PAINT	3'-4" (F.V.)	7'-4" (F.V.)	1/A4.01	2/A4.01	3/A4.01	20 MIN.	-
110A	OFFICE	BASE BID	M-2	HM/GLASS	PAINT	3'-0" (F.V.)	7'-0" (F.V.)	1-3/4"	HM-1	PAINT	3'-4" (F.V.)	7'-4" (F.V.)	7/A4.01	8/A4.01	-	20 MIN.	-
110B	OFFICE	BASE BID	M-2	HM/GLASS	PAINT	3'-0" (F.V.)	7'-0" (F.V.)	1-3/4"	HM-1	PAINT	3'-4" (F.V.)	7'-4" (F.V.)	7/A4.01	8/A4.01	-	20 MIN.	-
111	STAFF RESTROOM	BASE BID	M-1	HM	PAINT	3'-0" (F.V.)	7'-0" (F.V.)	1-3/4"	HM-1	PAINT	3'-4" (F.V.)	7'-4" (F.V.)	7/A4.01	8/A4.01	-	20 MIN.	-
201	MECHANICAL MEZZANINE	BASE BID	M-5	HM	PAINT	4'-0" (F.V.)	7'-0" (F.V.)	1-3/4"	HM-2	PAINT	3'-4" (F.V.)	7'-4" (F.V.)	9/A4.01	10/A4.01	-	20 MIN.	-



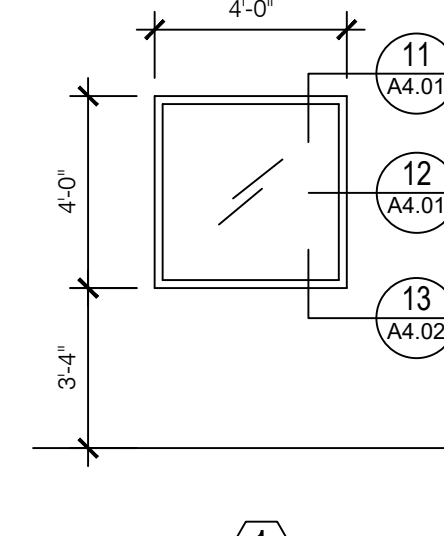
## HOLLOW METAL FRAMES

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



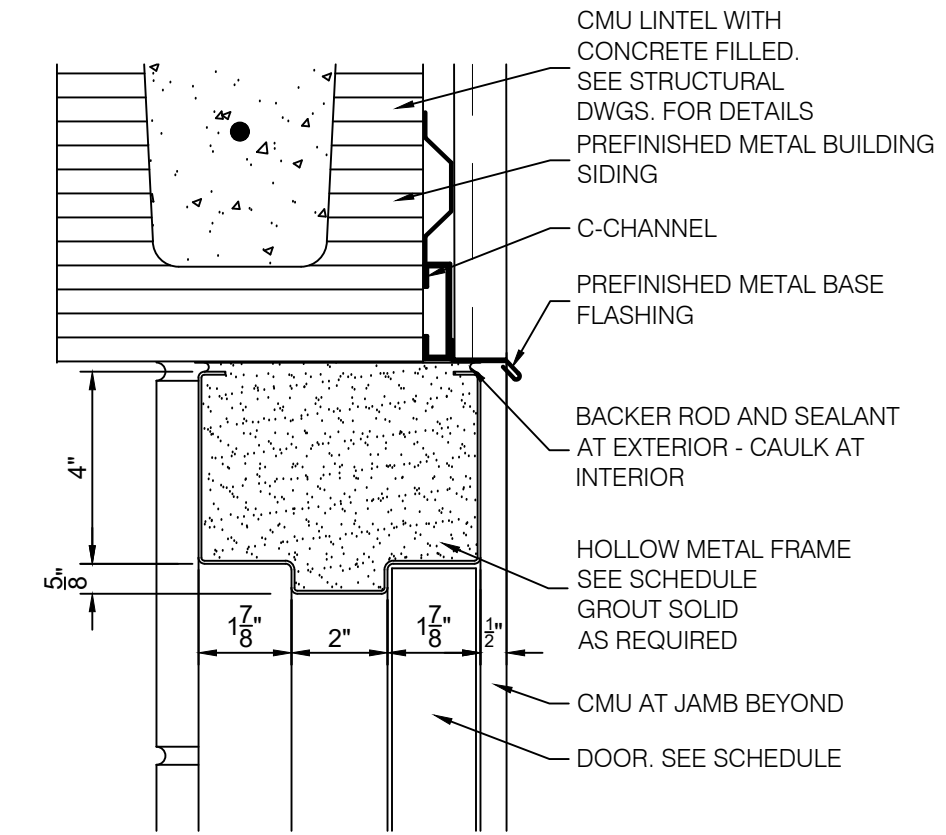
## DOOR TYPES

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

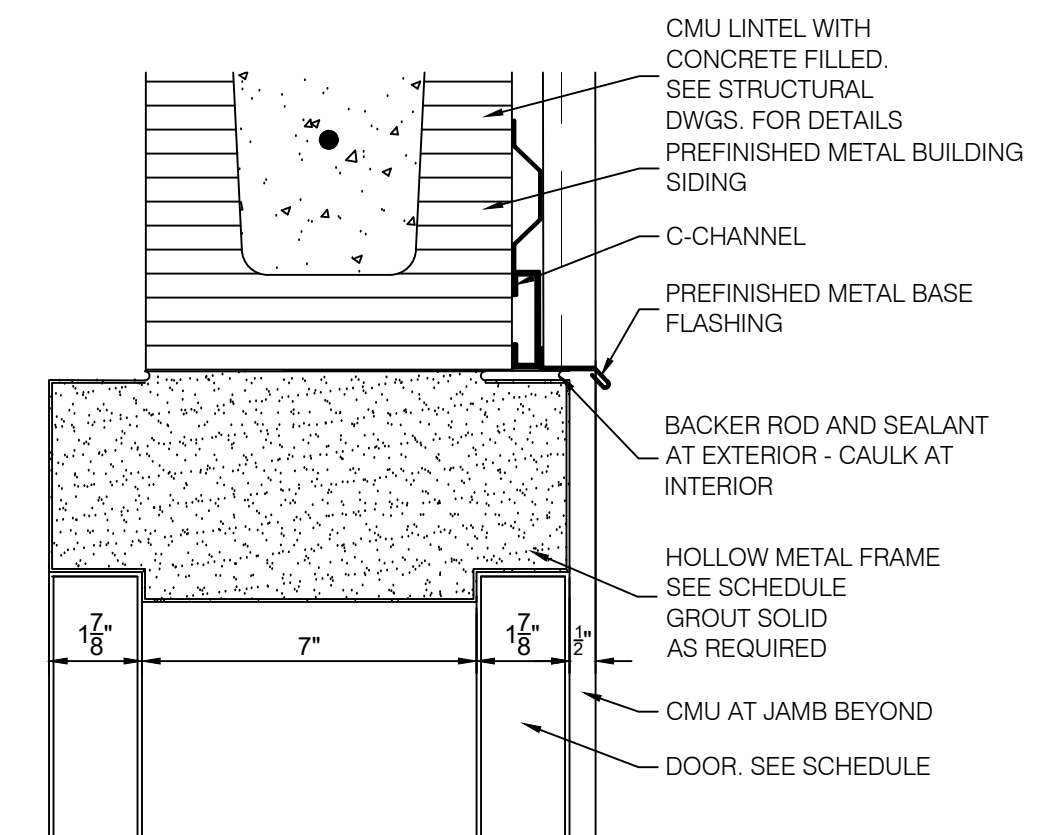


## WINDOW TYPES

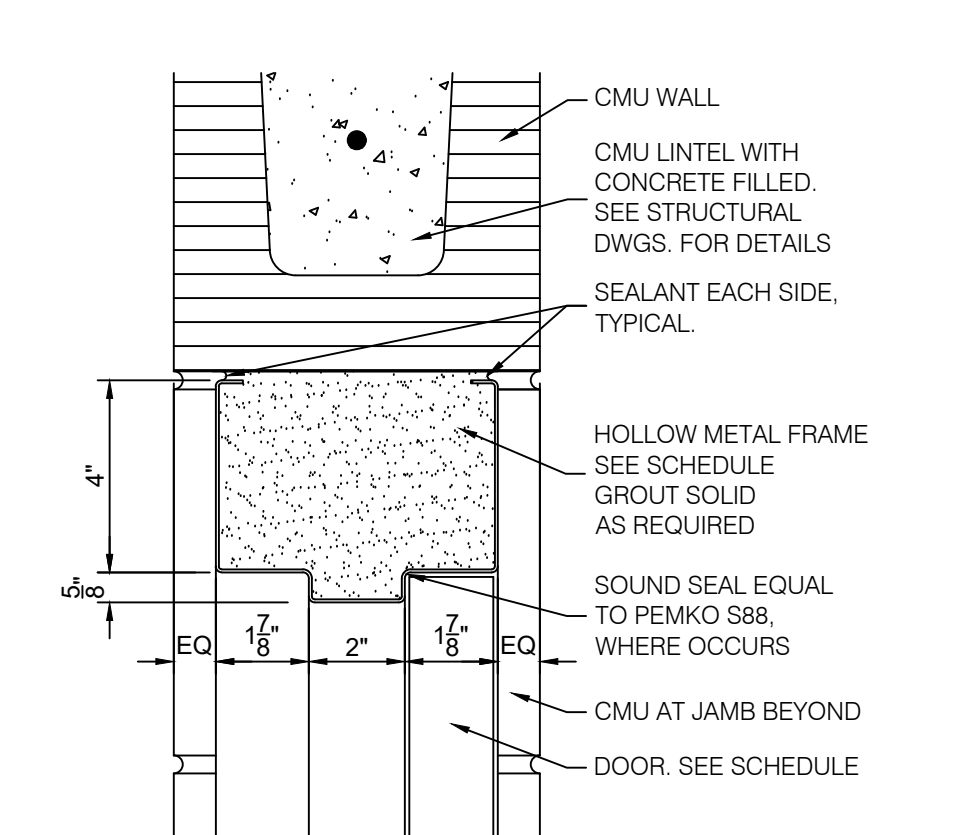
SCALE: 1/4" = 1'-0"



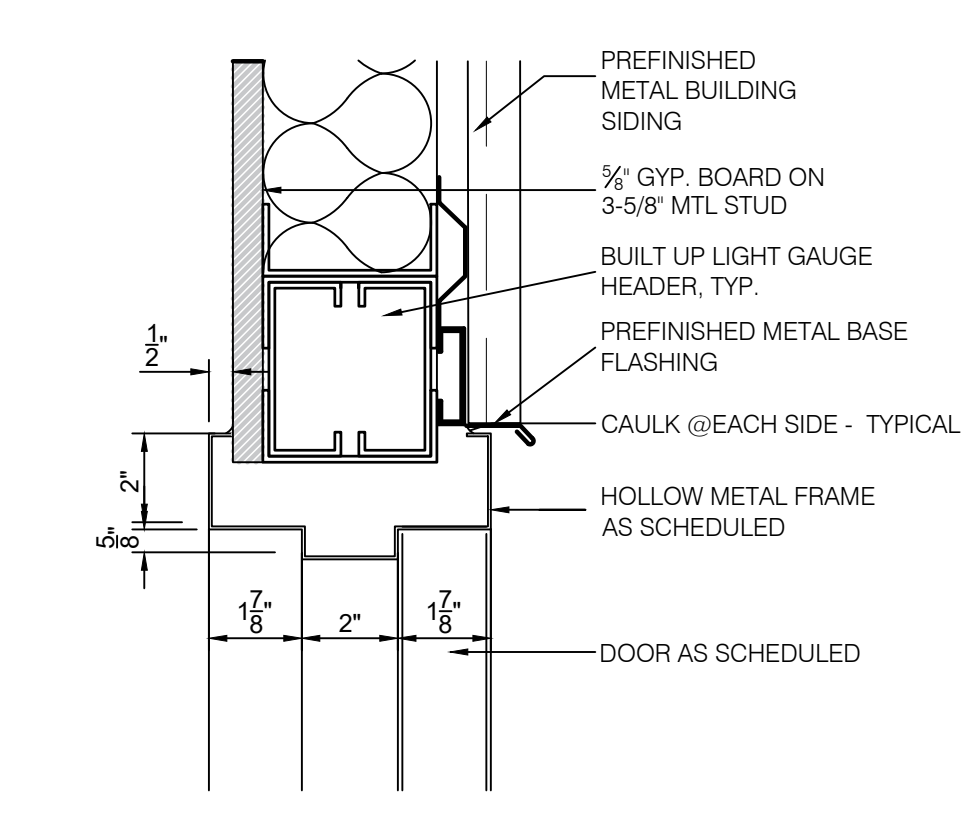
1 A4.01 DOOR HEAD DETAIL SCALE: 3" = 1'-0"



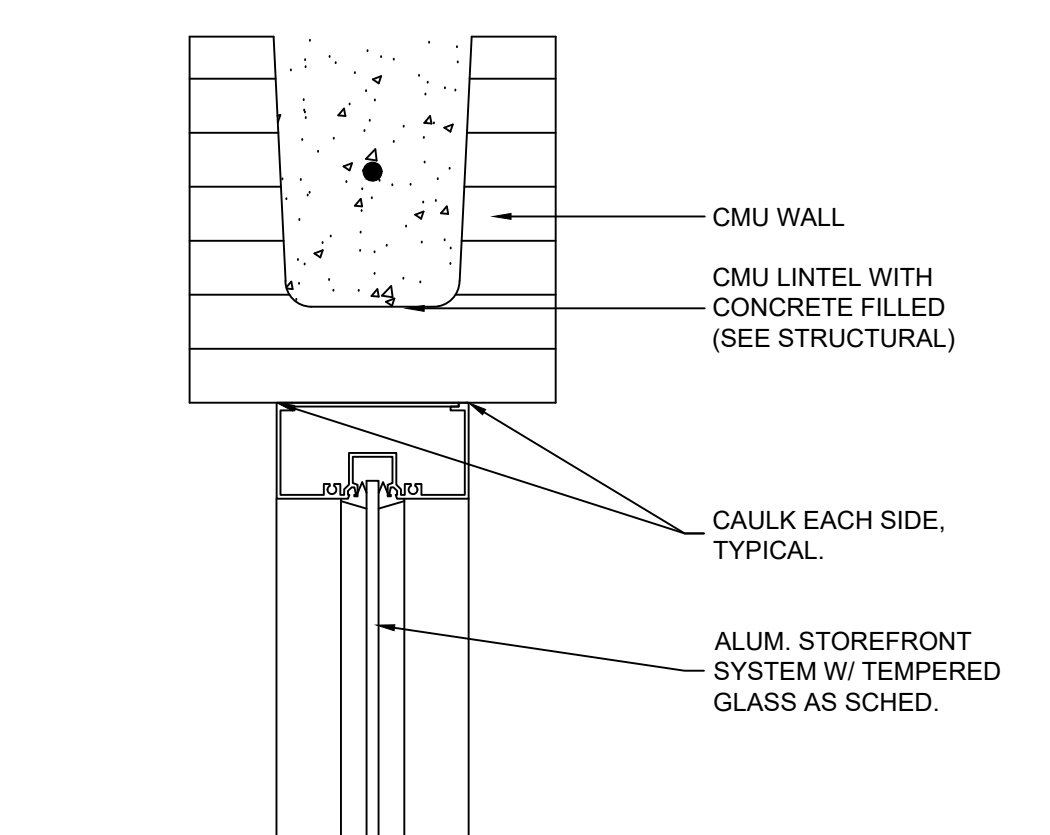
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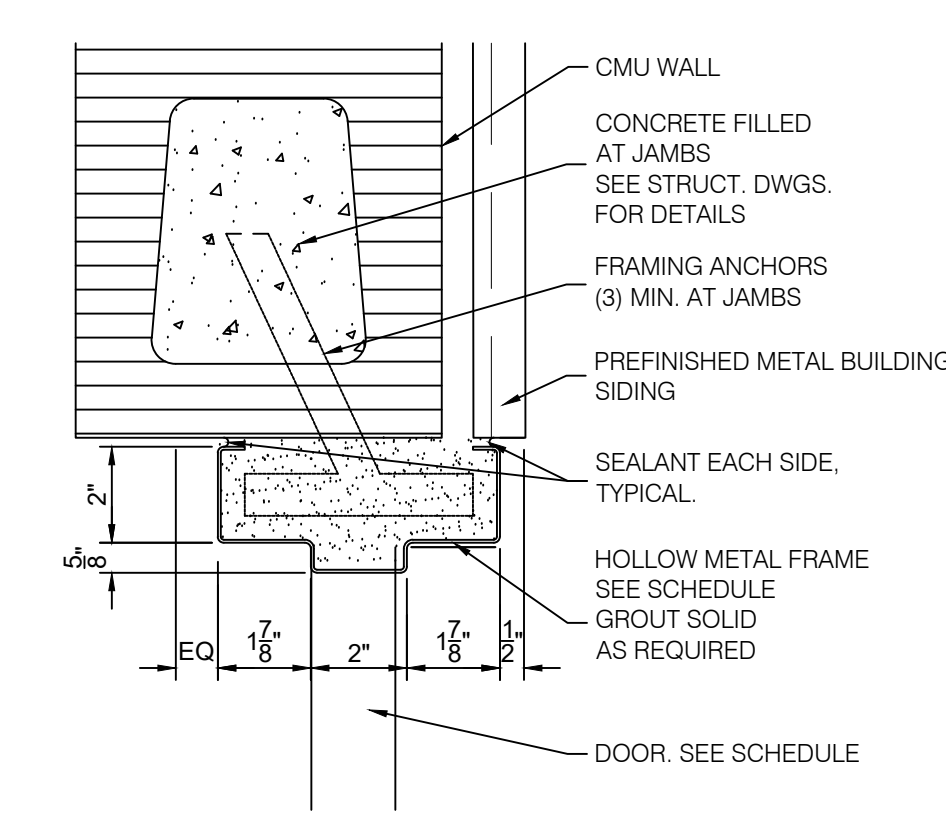
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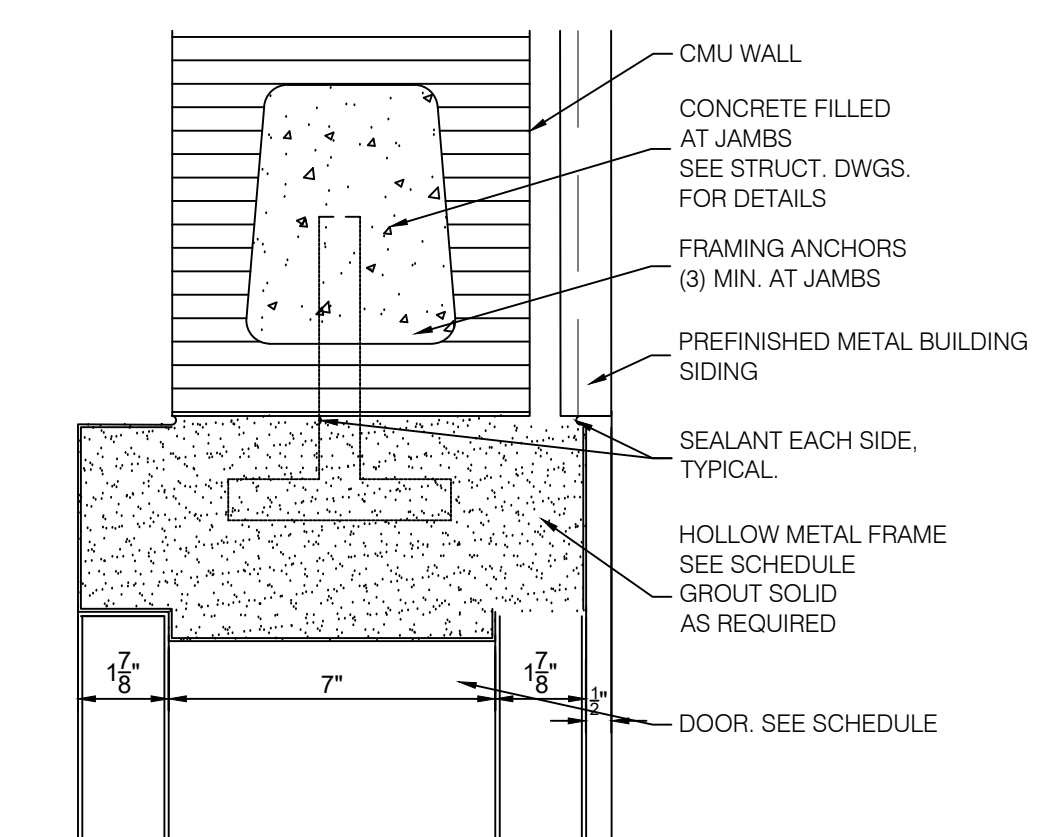
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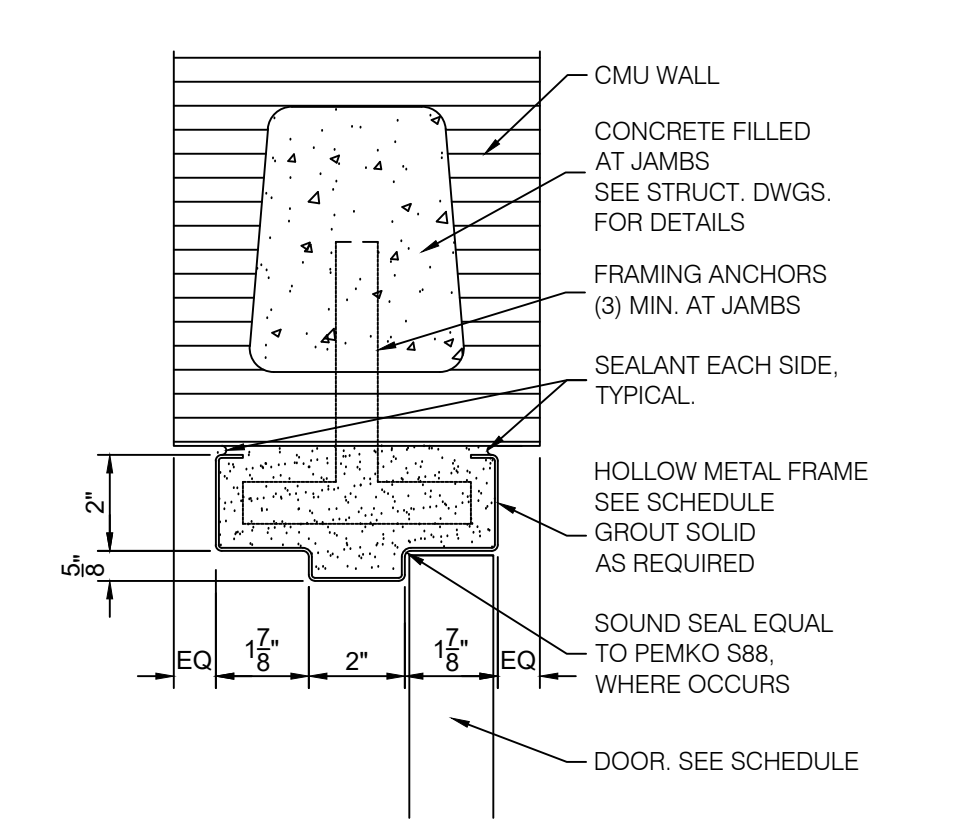
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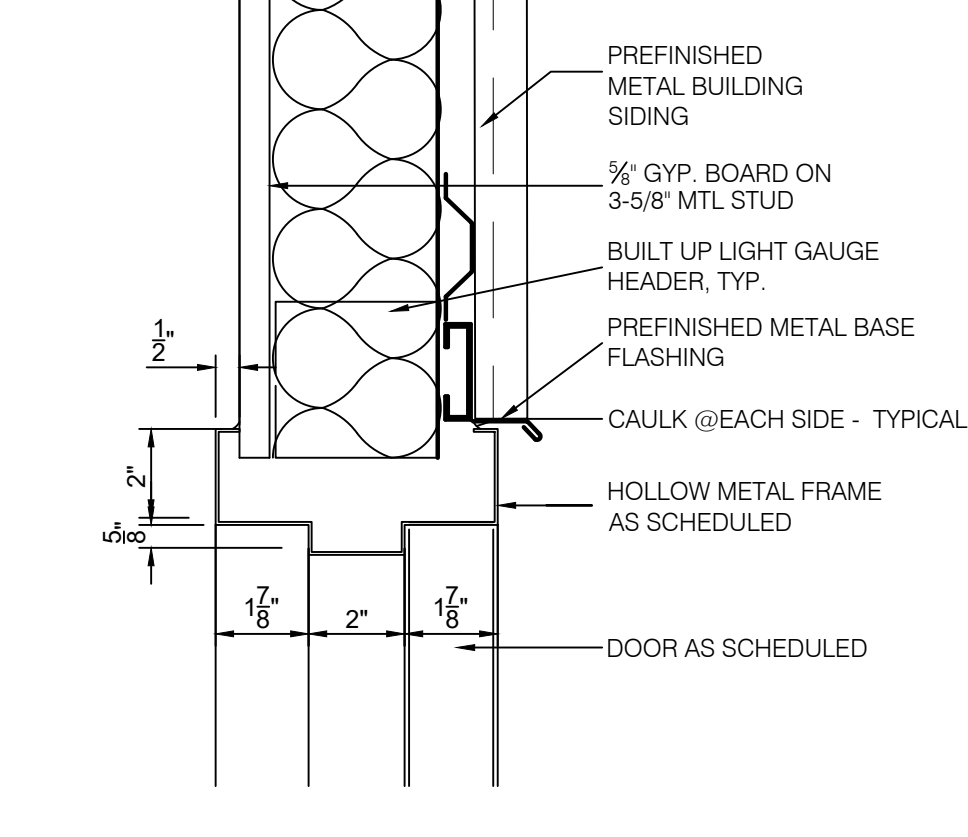
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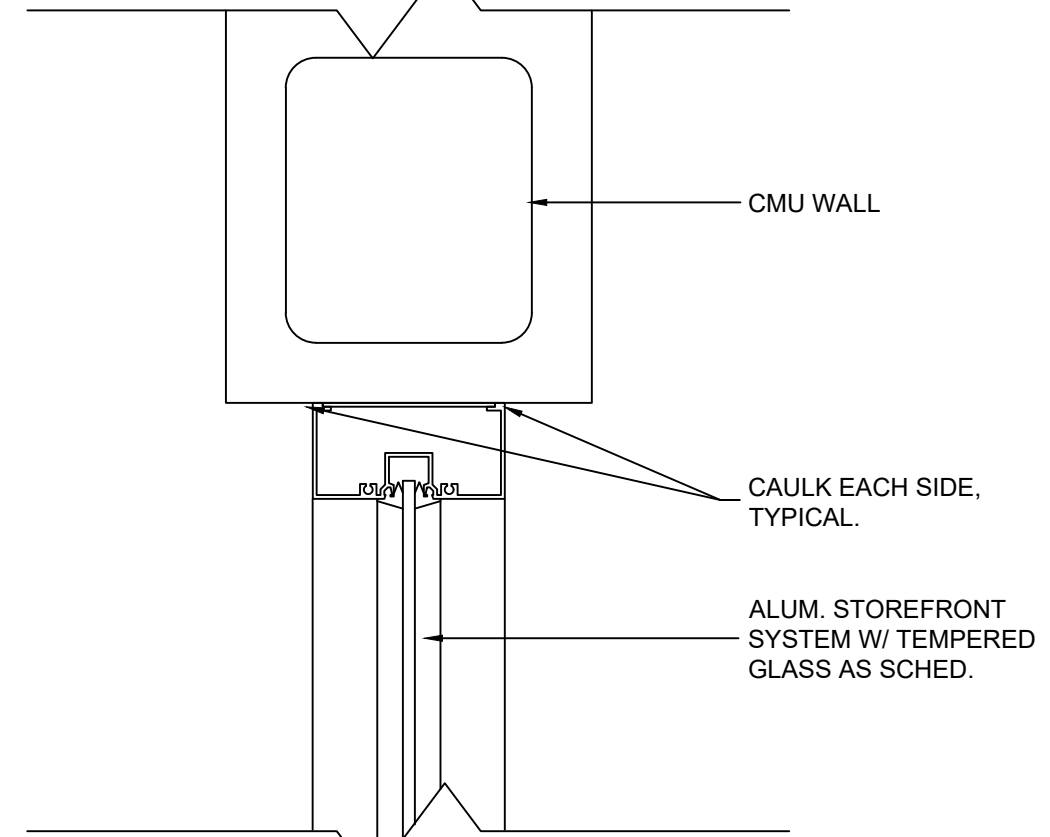
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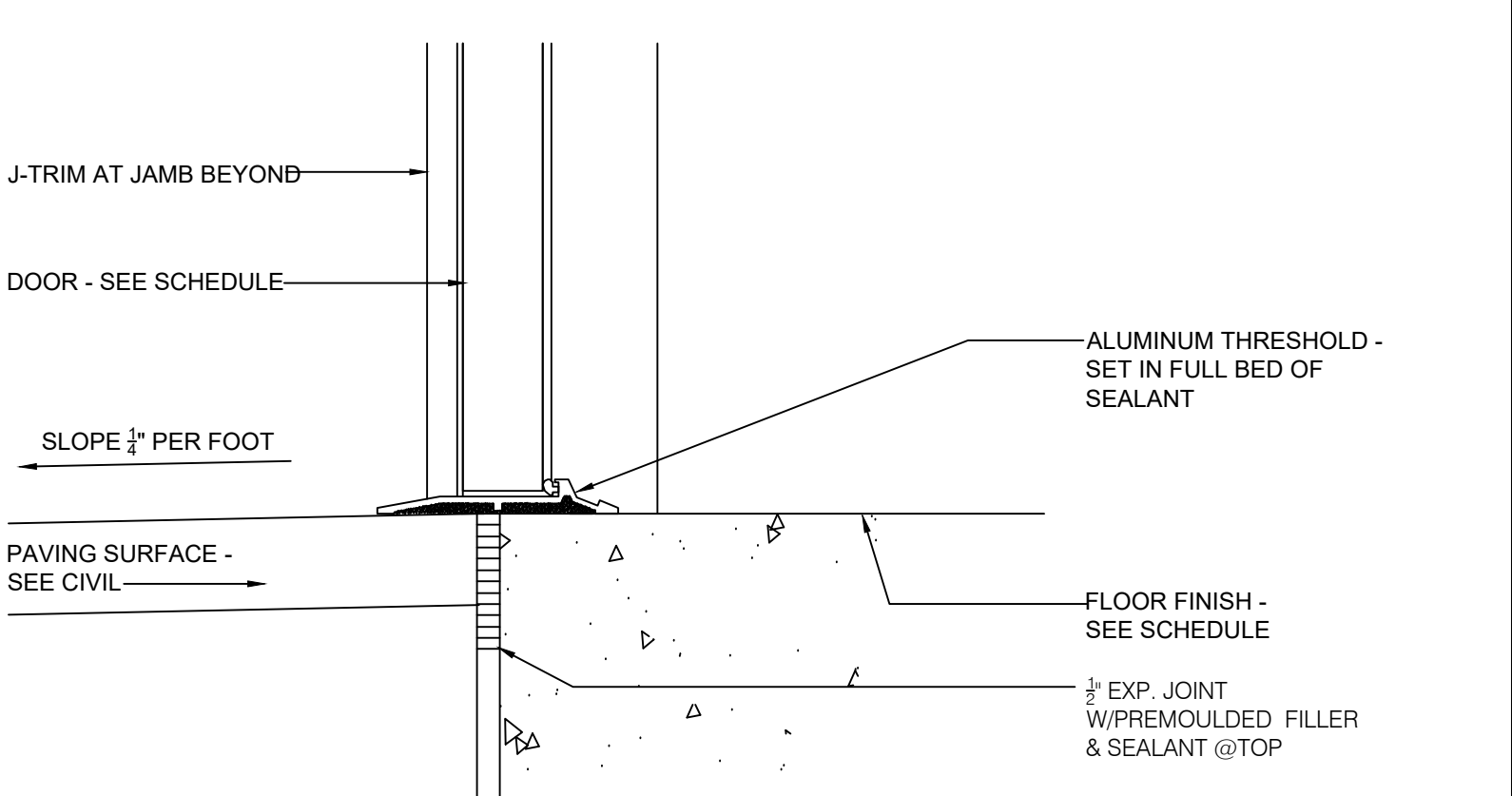
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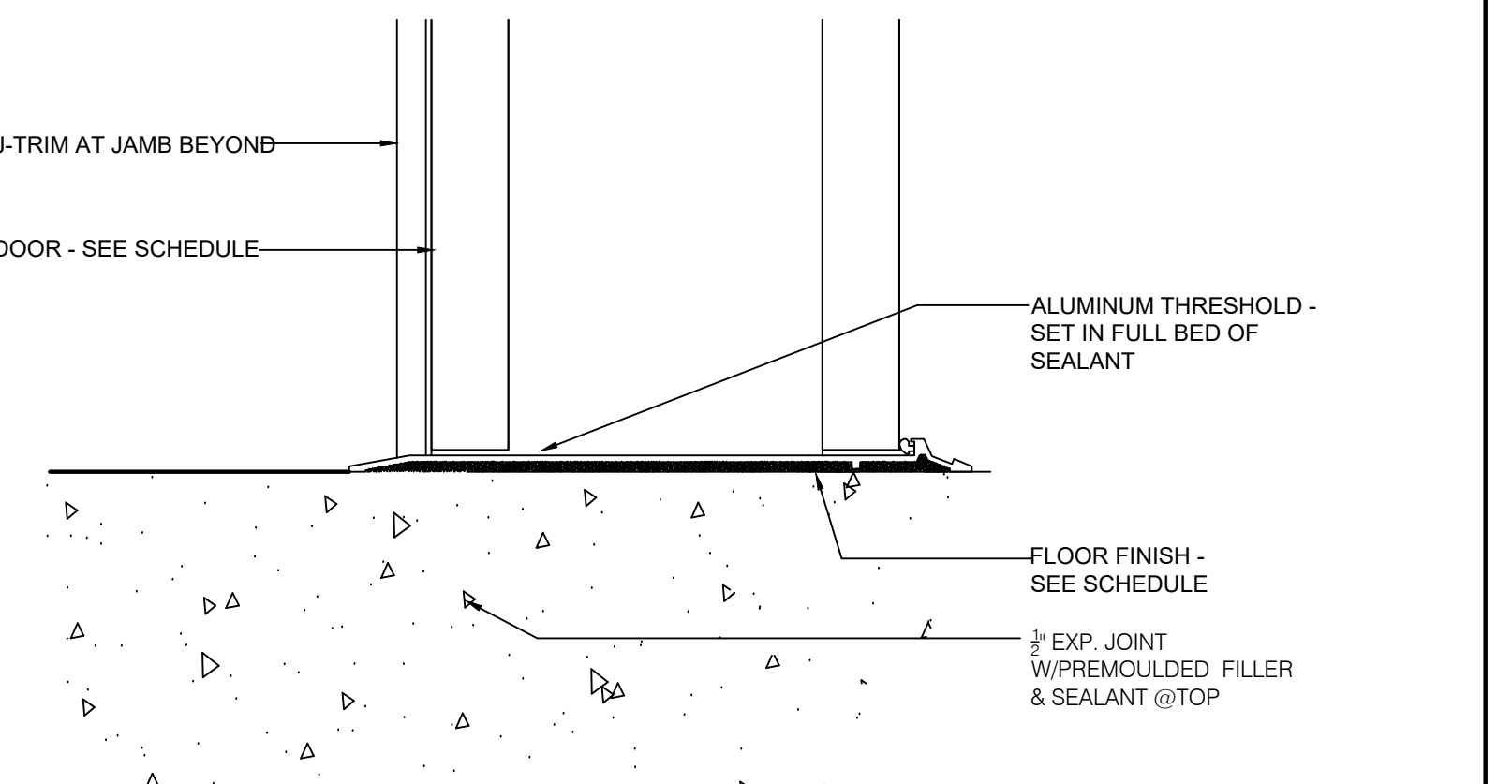
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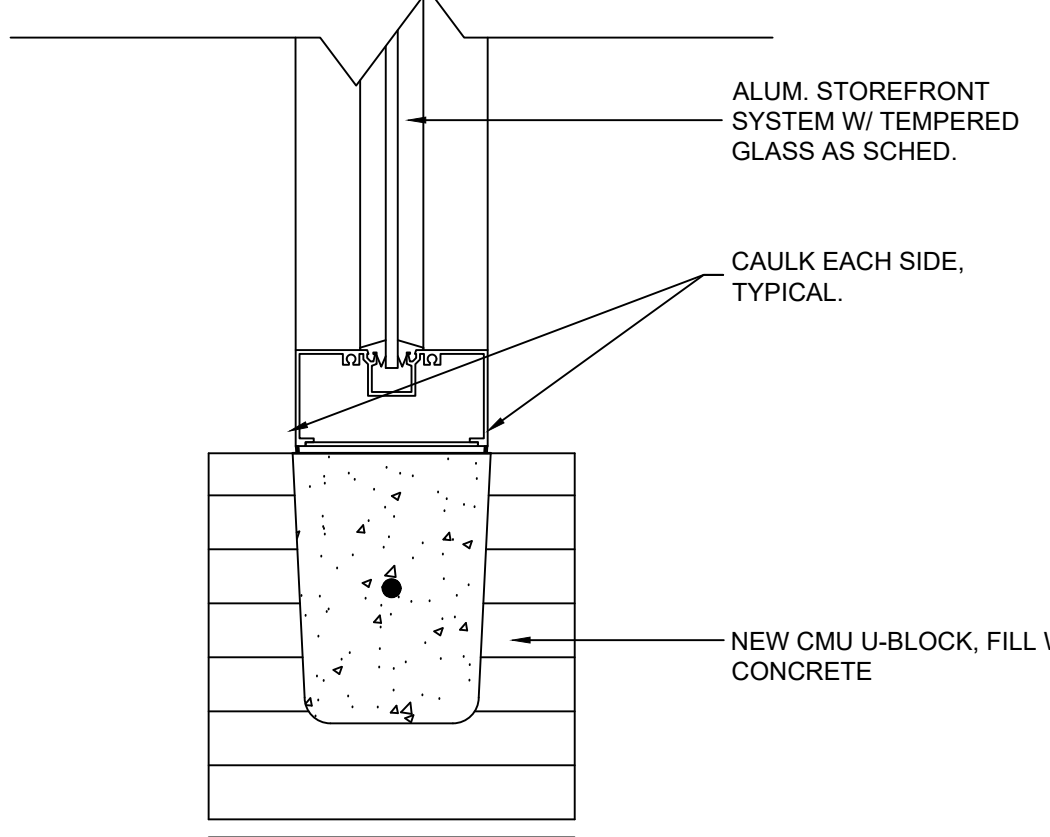
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3 A4.01 DOOR SILL DETAIL SCALE: 3" = 1'-0"



6 A4.01 DOOR SILL DETAIL SCALE: 3" = 1'-0"

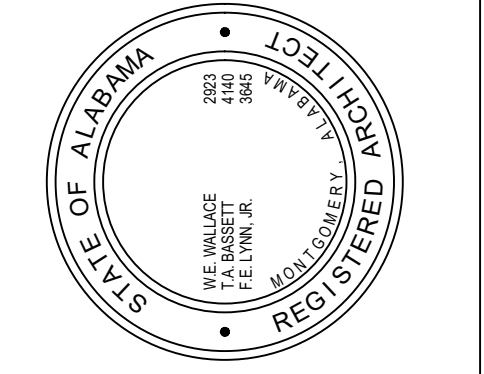


13 A4.01 WINDOW SILL DETAIL SCALE: 3" = 1'-0"

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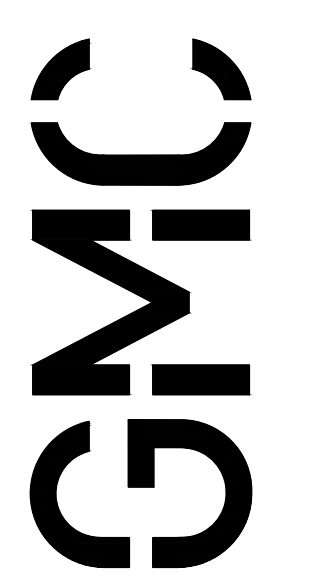
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DOOR SCHEDULE & DETAILS AND WINDOW DETAILS

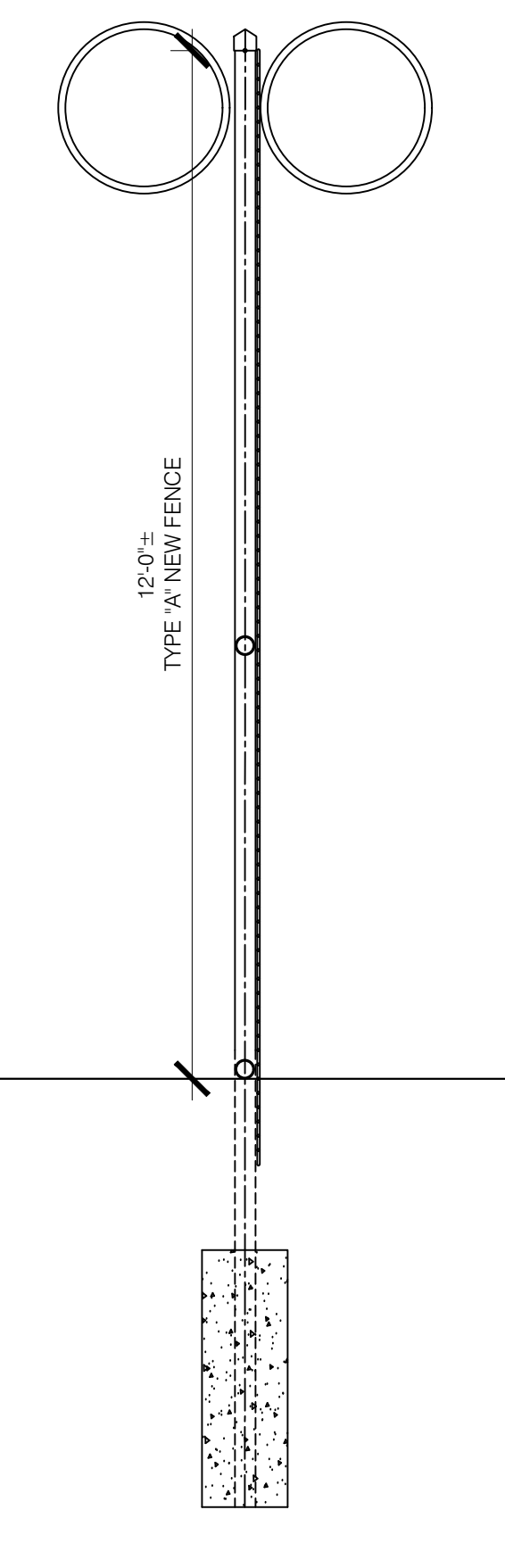
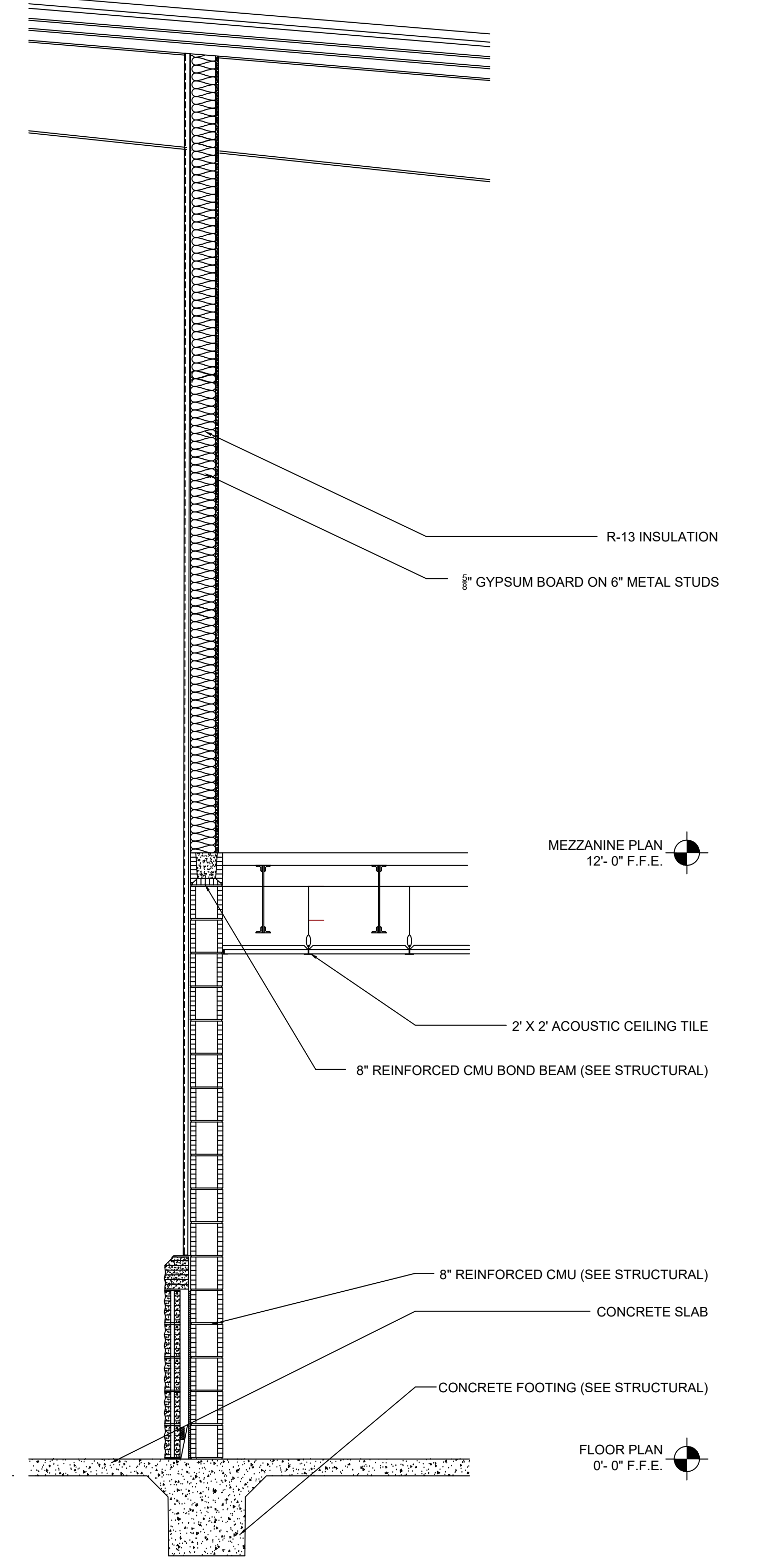
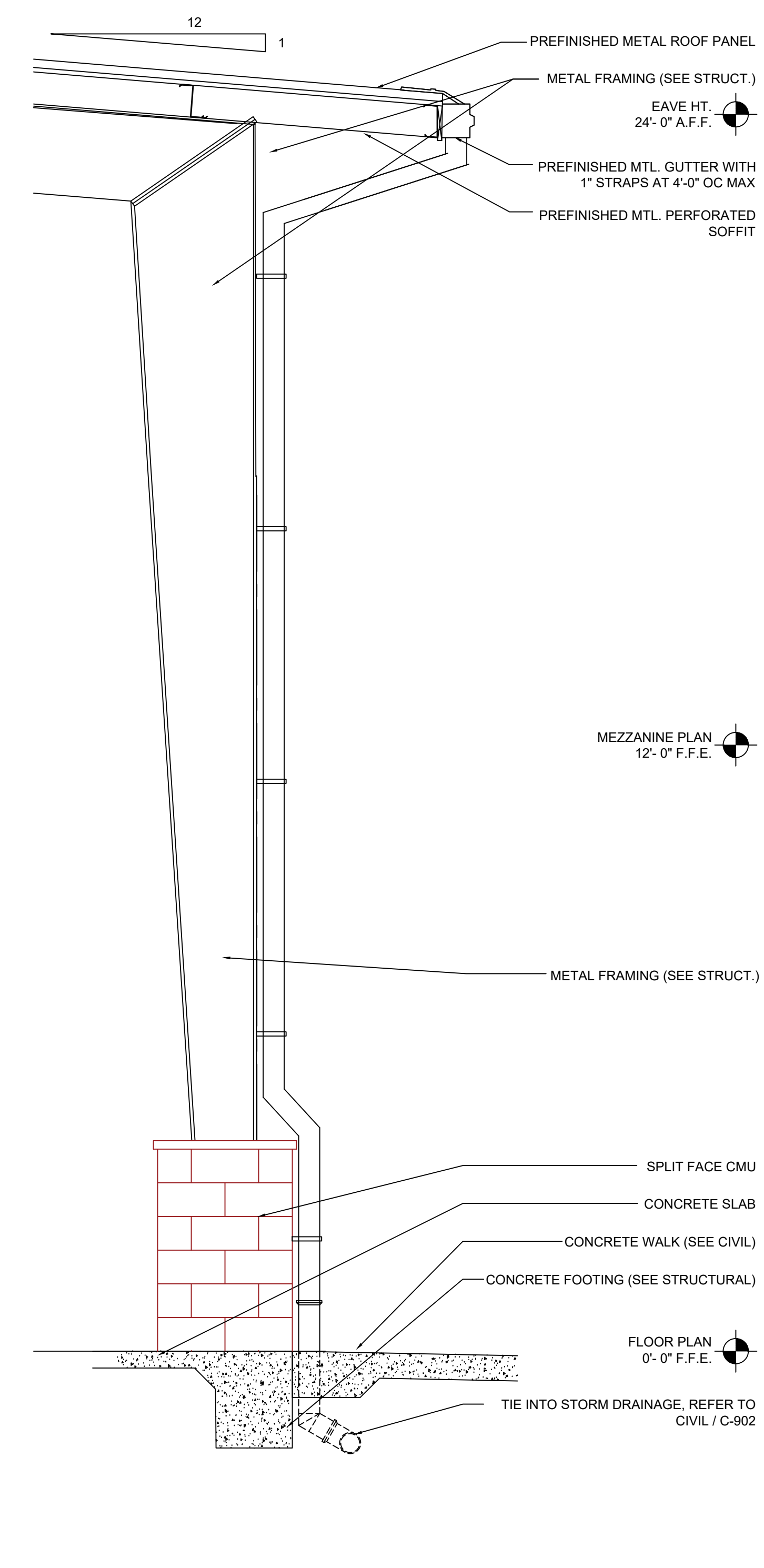
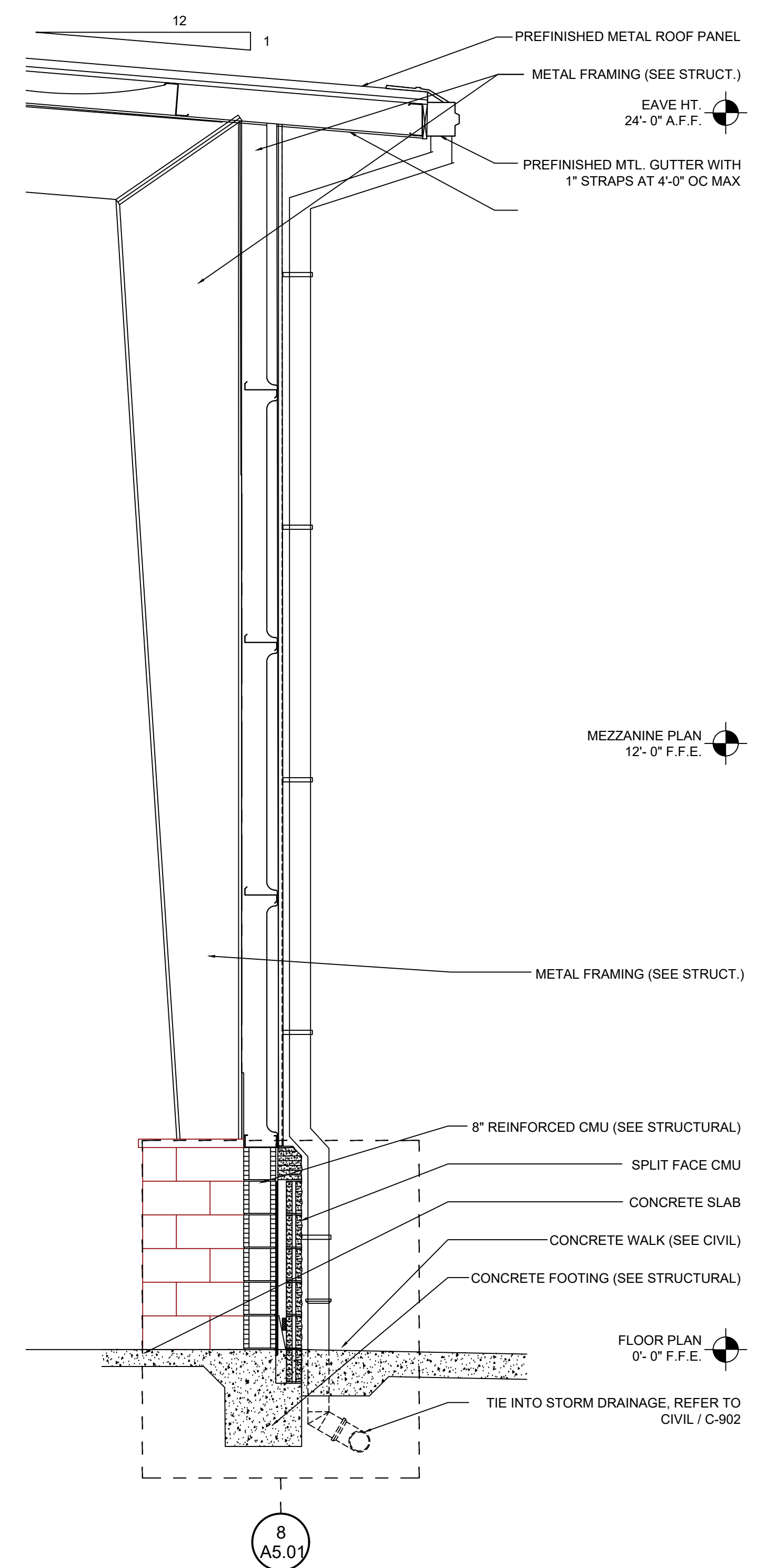
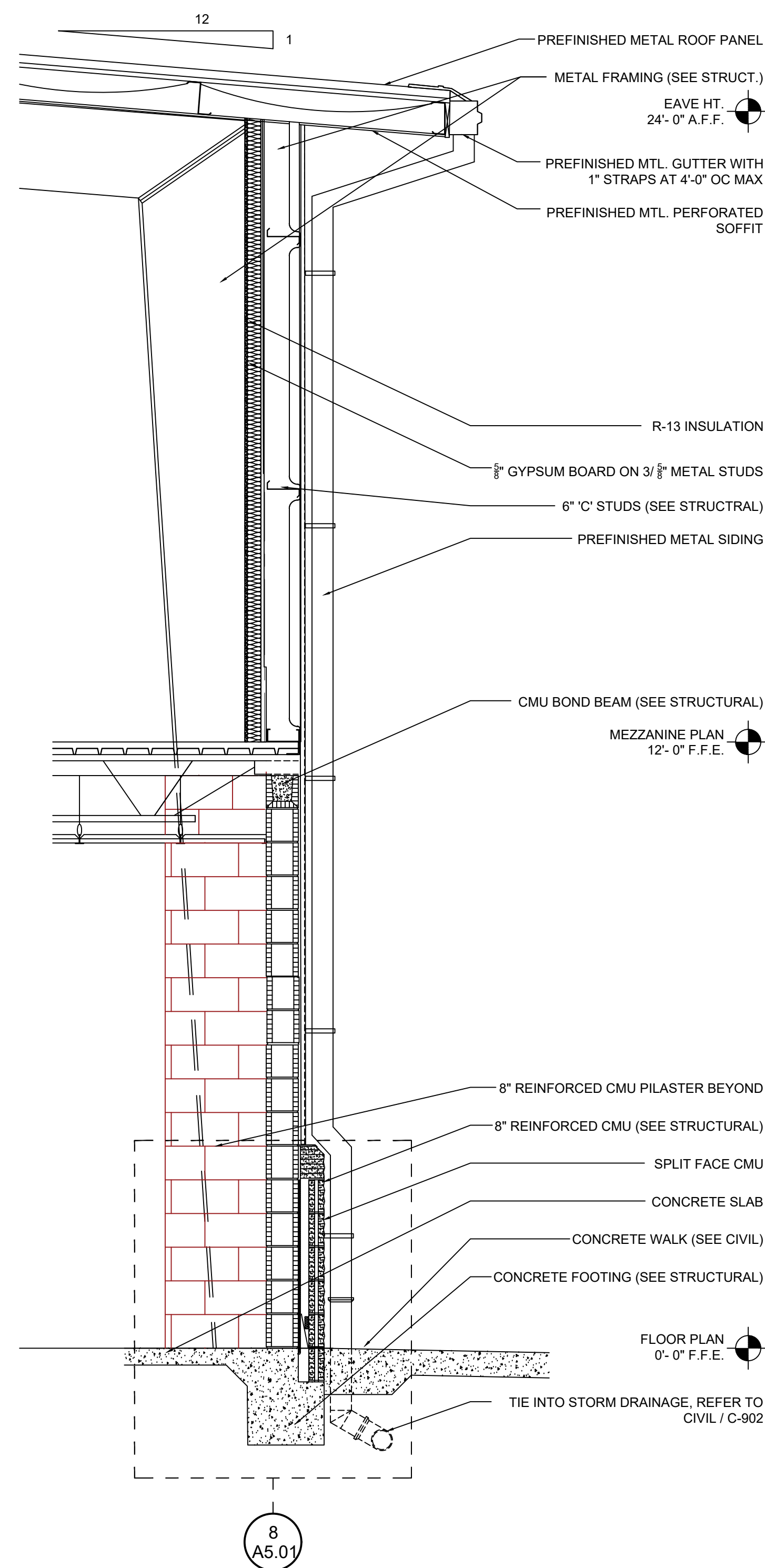
**A4.01**

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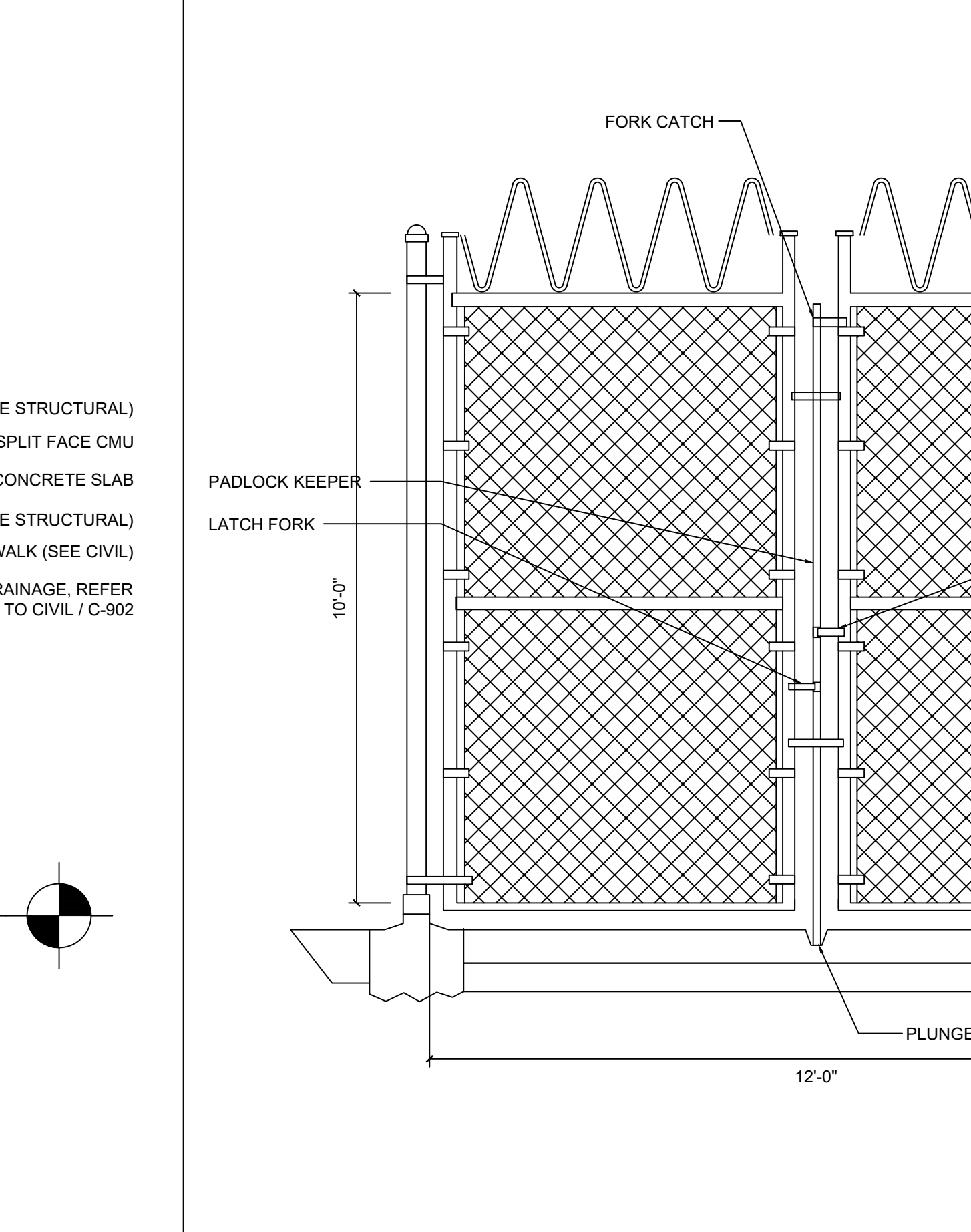
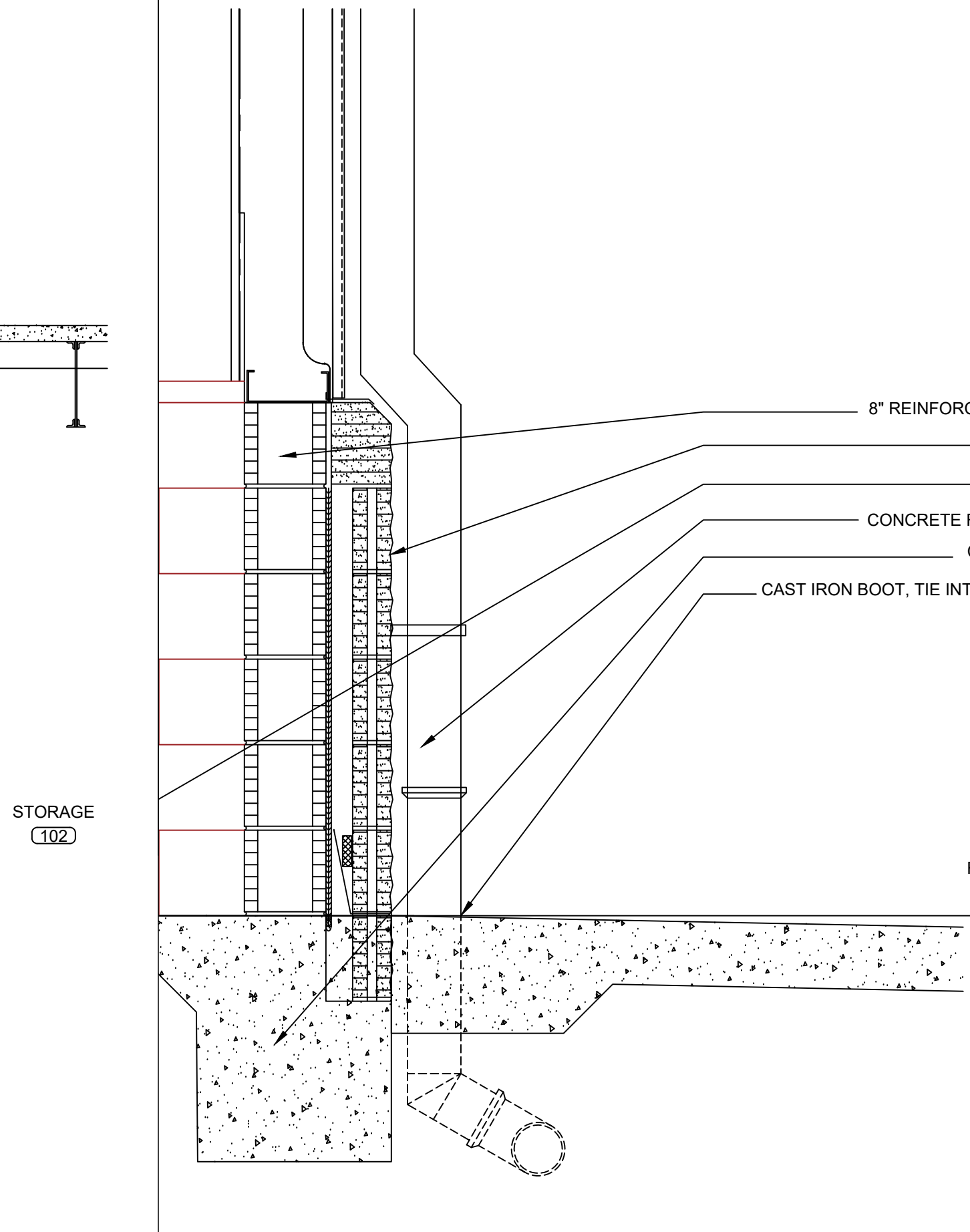
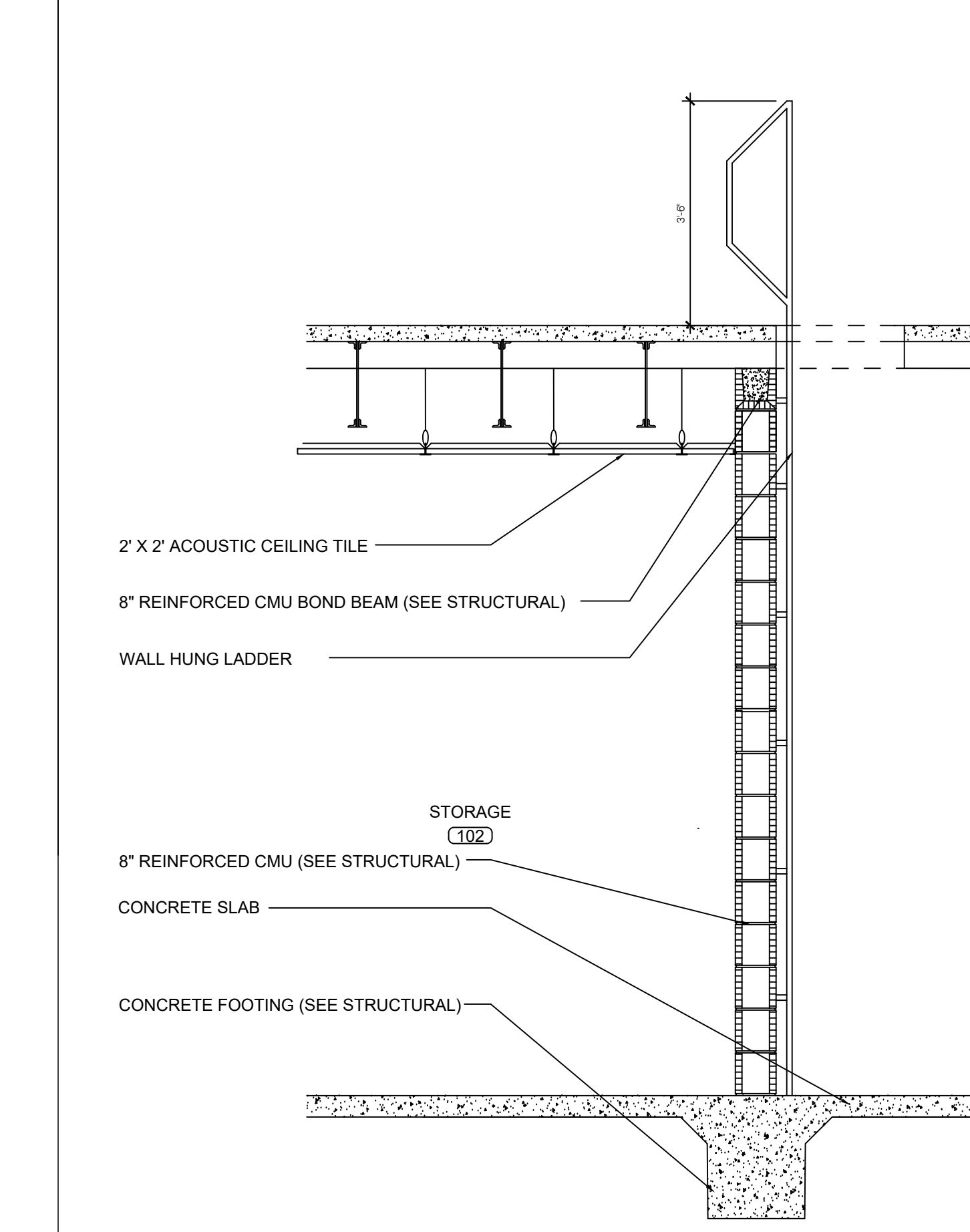
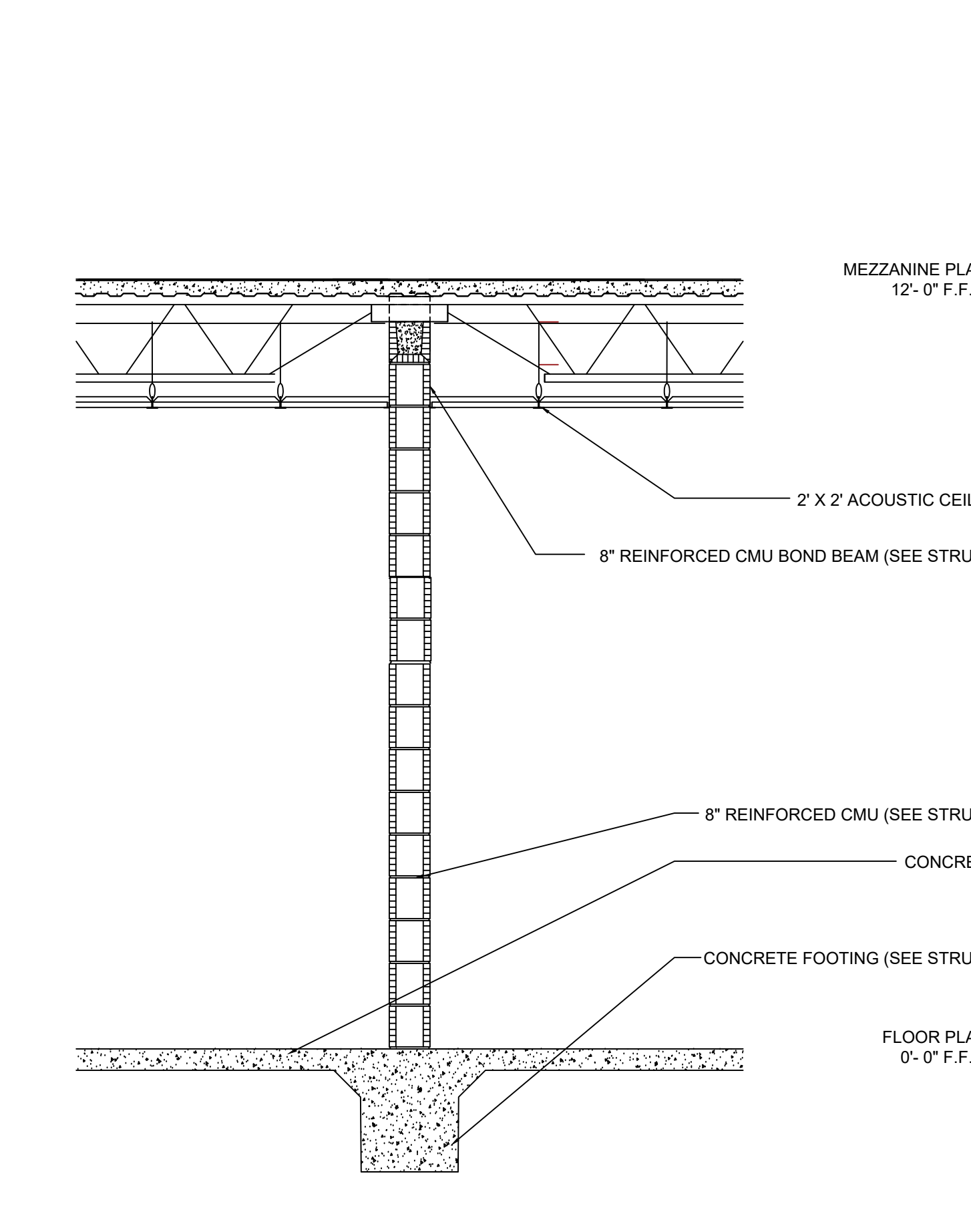
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SCALE: 1/2" = 1'-0"

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3 A5.01 WALL SECTION  
SCALE: 1/2" = 1'-0"

4 A5.01 WALL SECTION  
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5 A5.01 FENCE SECTION  
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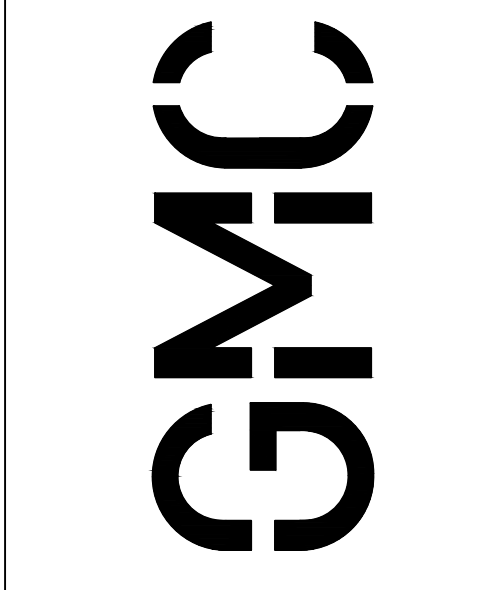


6 A5.01 WALL SECTION  
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8 A5.01 ENLARGED DETAIL  
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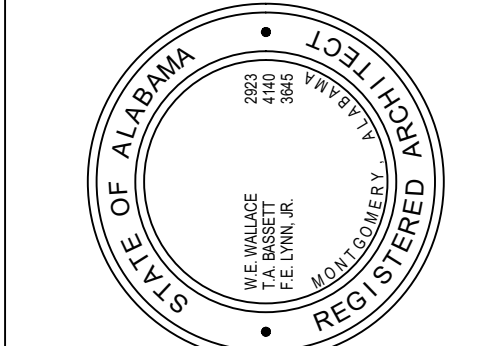
9 A5.01 ENLARGED DETAIL  
SCALE: 1" = 1'-0"



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WALL SECTIONS  
A5.01  
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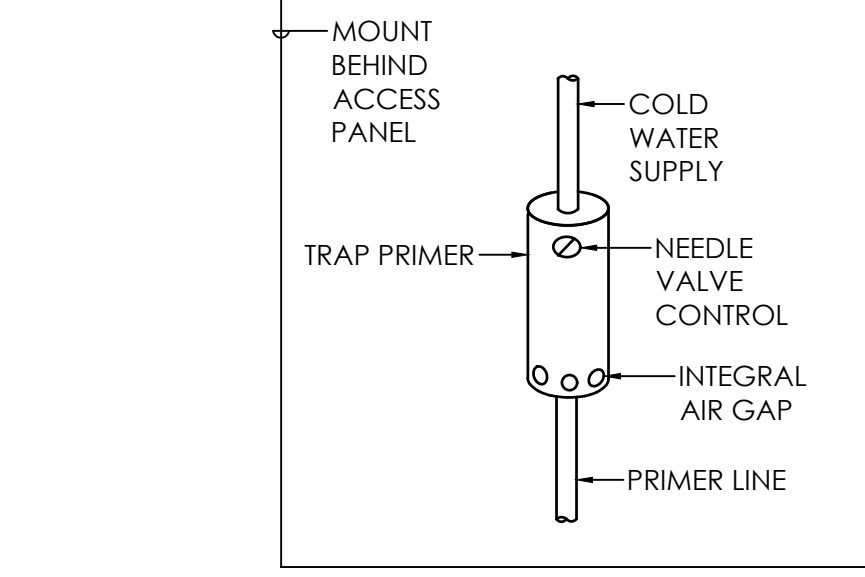
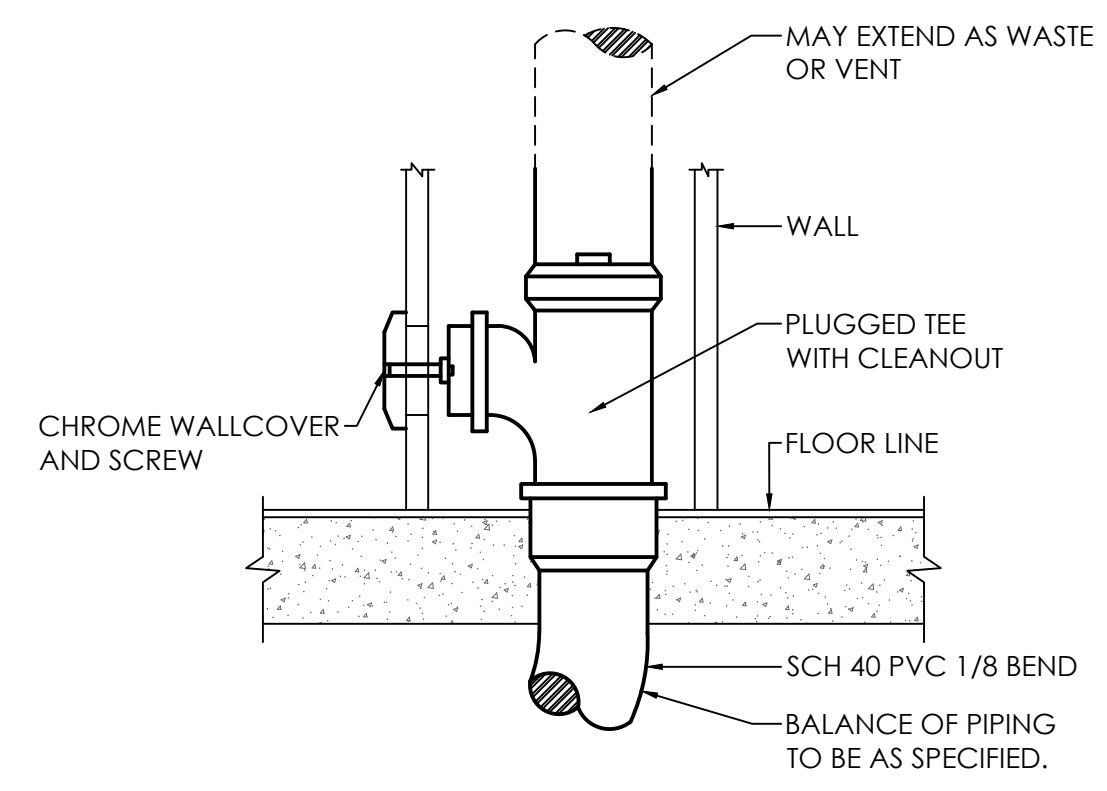




# PLUMBING GENERAL NOTES

- PROVIDE DISINFECTION OF WATER PIPING SYSTEM WITH CHLORINE SOLUTION AS PER CODE.
- ALL OVERHEAD WATER PIPING TO BE RUN BELOW INSULATION AT BOTTOM OF TRUSSES FOR FREEZE PROTECTION.
- INSTALLATION OF BACKFLOW PREVENTER SHALL COMPLY WITH THE 2021 INTERNATIONAL PLUMBING CODE.
- ALL INDIRECT DRAINS TO HAVE INSULATED DEEP SEAL P-TRAPS.
- ALL WALL HYDRANTS TO BE FREEZE PROOF AND TO HAVE VACUUM BREAKERS.
- INSULATION ON ALL PIPING SHALL MEET SMOKE/ FLAME RATING OF 25 & 50.
- ALL FLOOR DRAINS TO HAVE DEEP SEAL P-TRAPS.
- INSTALL WATER HAMMER ARRESTORS AS FOLLOWS:  
A. LAY IN CEILING; MOUNT WATER HAMMER ARRESTOR ABOVE CEILING FOR ACCESS.  
B. SHEETROCK CEILING; MOUNT WATER HAMMER ARRESTOR IN CHASE WALL. PROVIDE 12" X 12" STAINLESS STEEL ACCESS PANEL IN WALL.
- 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.
- NO PIPING TO BE RUN ABOVE ELECTRICAL PANELS.
- MAINTAIN A MAXIMUM OF 55 PSIG WATER PRESSURE AT PLUMBING FIXTURES, CONSISTENT WITH ADEQUATE FLOW RATES.
- ALL WASTE AND VENT IN CORRIDOR WALLS, RATED WALLS OR RETURN AIR PLENUMS TO BE CAST IRON PIPE.
- ALL VTR'S TO BE CAST IRON (3'-0" MIN. LENGTH) AT ROOF PENETRATION.
- SUPPORT PIPE AS REQUIRED BY THE 2021 INTERNATIONAL PLUMBING CODE.
- FIRESTOP ALL RATED WALL AND FLOOR PENETRATIONS. SEE ARCHITECTURAL DRAWINGS FOR RATED WALL AND FLOOR LOCATIONS.
- COORDINATE ALL PLUMBING IN SLAB WITH BUILDING FOOTINGS.
- OFFSET ALL VTR'S TO BACKSIDE OF ROOF RIDGE OR ON FLAT ROOF (AS SHOWN).
- ALL CEILING ACCESS PANELS SHALL BE PAINTED TO MATCH CEILING.
- PROVIDE FIRESTOPPING ASSEMBLIES AT ANY AND ALL FIRE-RATED PENETRATIONS. EQUAL TO ROXTEC.
- 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).
- PROVIDE 12X12" CEILING ACCESS PANEL (M/FAB OR EQUAL) TO MATCH CEILING FOR ALL VALVES IF LOCATED IN TILE CEILING AREA. (TYPICAL)
- ALL PLUMBING PRODUCTS THAT COME INTO CONTACT WITH POTABLE (DRINKABLE) WATER SHALL COMPLY WITH SAFE DRINKING WATER ACT (SDWA) AND THE REDUCTION OF LEAD IN DRINKING WATER. REDUCTION OF LEAD IN DRINKING WATER ACT WENT INTO EFFECT ON JANUARY 4, 2014.
- THE CONTRACTOR SHALL EXECUTE ALL WORK SO THAT IT PROCEEDS WITH A MINIMUM OF INTERFERENCE WITH OTHER TRADES AND NORMAL FUNCTIONING OF EXISTING FACILITIES AND SERVICES.
- VERIFY EXACT ROUGH-IN AND FINAL EQUIPMENT REQUIREMENTS IN FIELD.
- THE CONTRACTOR SHALL VERIFY THAT ALL PIPING, AS SHOWN ON THESE DRAWINGS WILL NOT CONFLICT WITH ANY DRAINS, SCUTILES, JOINTS, VENTS, EQUIPMENT, ETC.
- COORDINATE ROUTING AND LOCATIONS OF WASTE AND VENT PIPING WITH ALL OTHER TRADES.

- THE PLUMBING CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADES. ALL REQUIRED OPENINGS AND EXCAVATIONS. ALL REQUIRED OPENINGS IN FOUNDATIONS, FLOORS, WALLS AND ROOFS SHALL BE DESIGNED INTO THE STRUCTURE INITIALLY BY THE USE OF SLEEVES, CURBS, ETC. CUTTING AND PATCHING SHALL BE HELD TO A MINIMUM.
- ALL ITEMS PROJECTING THROUGH THE ROOF SHALL BE FLASHED A MINIMUM OF 12" ABOVE THE ROOF. ALL VENTS SHALL BE A MINIMUM OF 10'-0" FROM ANY OUTSIDE AIR INTAKE DEVICE.
- PROVIDE STOPS AND SHOCK ABSORBERS AT EACH FIXTURE OR GROUP OF FIXTURES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL CONNECTIONS TO GAS FIRED EQUIPMENT AND SPECIFIED FIXTURES. ALL GAS FIRED EQUIPMENT AND FIXTURES SHALL BE OPERABLE.
- PROVIDE VACUUM BREAKERS AT FIXTURES WITH HOSE THREAD CONNECTIONS AND APPLIANCES WITH DIRECT CONNECTION TO DOMESTIC WATER.
- WHERE DISSIMILAR PIPING MATERIALS (STEEL AND COPPER) ARE CONNECTED, INSTALL A THREADED BRASS NIPPLE FOR PIPE SIZES 2" AND LESS. FOR PIPE SIZES 2-1/2" AND ABOVE, INSTALL ISOLATING FLANGES. DIELECTRIC UNIONS ARE NOT TO BE USED EXCEPT AT THE WATER HEATERS.
- ALL WATER LINES INSTALLED IN EXTERIOR WALLS SHALL BE INSTALLED INSIDE OF WALL INSULATION AND INSULATED INDIVIDUALLY TO PROTECT FROM FREEZING PIPING AND FITTINGS.
- ALL PLUMBING FIXTURES SHALL BE WHITE. (UNLESS STATED OTHERWISE)
- INSTALL "TRAPGUARD" FOR FLOOR DRAINS IN BATHROOMS, RESTROOMS, JANITOR, MECHANICAL ROOMS AND PARTY ROOM FLOOR DRAINS. ALL FLOOR DRAINS ARE TO HAVE 4" DEEP SEAL TRAPS AND "TRAPGUARD". (NO EXCEPTIONS).
- PROVIDE APPROVED BACKFLOW PREVENTION AT ALL EQUIPMENT DIRECTLY CONNECTED TO WATER SYSTEM.
- PROVIDE CLEANOUTS EVERY 75'-0" OR AT EACH CHANGE IN DIRECTION MORE THAN 45° AS REQUIRED BY CODE. COORDINATE LOCATIONS WITH ARCHITECT.
- PROVIDE PRESSURE REDUCING VALVE IF THE INCOMING PRESSURE EXCEEDS 80 PSI. IF A PRV IS UTILIZED THEN IT SHALL BE SET TO 40 PSI. PROVIDE PRV AT EVERY BUILDING SUPPLY.
- THESE PLANS (ALL PLUMBING SHEETS) ARE SCHEMATIC IN NATURE AND ARE INTENDED TO ESTABLISH SIZE, GENERAL ROUTING, LOCATION, PERFORMANCE AND ARE NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS. ALL WORK SHALL BE FULLY COORDINATED WITH OTHER TRADES TO INSURE THE INSTALLATION OF A COMPLETE OPERABLE SYSTEM THAT FITS IN THE SPACE ALLOTTED. PROVIDE ALL LABOR, EQUIPMENT, APPURTENANCES AND MATERIALS NECESSARY, AND PERFORM ALL OPERATIONS REQUIRED FOR THE INSTALLATION OF COMPLETE, FUNCTIONAL PLUMBING SYSTEMS AS OUTLINED ON THE DRAWINGS AND DESCRIBED IN THE SPECIFICATIONS.
- ALL WORK SHALL COMPLY WITH APPLICABLE NATIONAL, STATE AND LOCAL CODES. (2021 IBC, 2021 IPC)
- VERIFY ALL POINTS OF CONNECTION WITH OTHER DISCIPLINES (LOCATION AND INVERT) PRIOR TO INSTALLATION. THIS SHALL INCLUDE EXISTING SITE UTILITIES AS WELL AS NEW SITE UTILITIES INSTALLED UNDER THE SCOPE OF WORK FOR THIS PROJECT.
- COORDINATE WITH OTHER TRADES TO PREVENT INTERFERENCE WITH HVAC DUCTS, ELECTRICAL LIGHTING AND STRUCTURE IN THE CEILING PLENUMS.
- WHEN / IF A CONFLICT EXISTS BETWEEN THE DRAWINGS AND SPECIFICATIONS, THE HIGHER STANDARD / DIRECTION SHALL APPLY. THE FINAL DECISION SHALL BE MADE BY THE ARCHITECT AND / OR ENGINEER. THE HIGHER PRICE SHALL BE INCLUDED IN THE BID PRICE.
- COORDINATE ALL DWV PIPING WITH THE JOIST LAYOUT BELOW. COORDINATE THROUGH THE ARCHITECT, GENERAL CONTRACTOR, THIS SET OF CONSTRUCTION DOCUMENTS (STRUCTURAL / ARCHITECTURAL) ETC. THERE WILL NOT BE ANY CHANGE ORDERS ISSUED OR PAID FOR GENERAL / REQUIRED OFFSETS DUE TO THE FAILURE OF THE CONTRACTOR TO FAMILIARIZE HIMSELF WITH THE STRUCTURE PRIOR TO BID. THE SUBMITTED BID PRICE SHALL HAVE A ALLOWANCE FOR ALL REQUIRED OFFSETS, ETC.
- COORDINATE MIN. SLOPE FOR SANITARY SEWER WITH TIE IN ELEVATIONS. PROVIDE 1/8" PER FOOT MIN. SLOPE IF ELEVATION WILL ALLOW.



### PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	COLD	HOT	WASTE	REMARKS	
WC-1	WATER CLOSET (H/C) *	(SECURITY TYPE)	1"	---	4"	FLOOR MOUNTED, FLUSH VALVE (H/C)
WC-2	WATER CLOSET	(SECURITY TYPE)	1"	---	4"	FLOOR MOUNTED, FLUSH VALVE
UR-1	URINAL (H/C)	(SECURITY TYPE)	1"	---	2"	WALL MOUNTED, MOUNT 17" UP TO FINISHED FLOOR
UR-2	URINAL	(SECURITY TYPE)	1"	---	2"	WALL MOUNTED
L-1	LAVATORY (H/C) **	(SECURITY TYPE)	1/2"	1/2"	1-1/4"	WALL HUNG, HANG 34" RIM TO FINISHED FLOOR
L-2	LAVATORY	(SECURITY TYPE)	1/2"	1/2"	1-1/4"	WALL HUNG
MB-1	MOP BASIN		1/2"	1"	3"	CORNER TYPE
EW-1	ELECTRIC WATER COOLER (H.C., B.LEVEL) ***		1/2"	---	2"	WALL MOUNTED, MOUNT 36" SPOUT TO FINISHED FLOOR, WITH BOTTLE FILLER, PROVIDE WATER HAMMER ARRESTOR

**FIXTURE SCHEDULE NOTES:**  
 \* HANDLE TO WIDE SIDE OF STALL.  
 \*\* INSULATE P-TRAP, DRAIN AND SUPPLIES WITH HANDI LAY GUARD INSULATION KIT #102W OR EQUAL BY TRAP WRAP AND MCGUIRE PRO WRAP.  
 \*\*\* PROVIDE STAINLESS STEEL FINISH AND SAFETY BUBBLER LEAD FREE.

### ELECTRIC WATER HEATER SCHEDULE

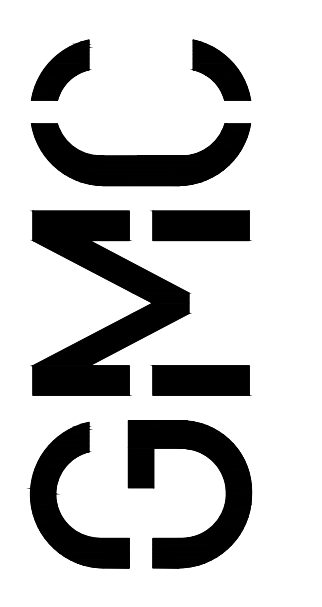
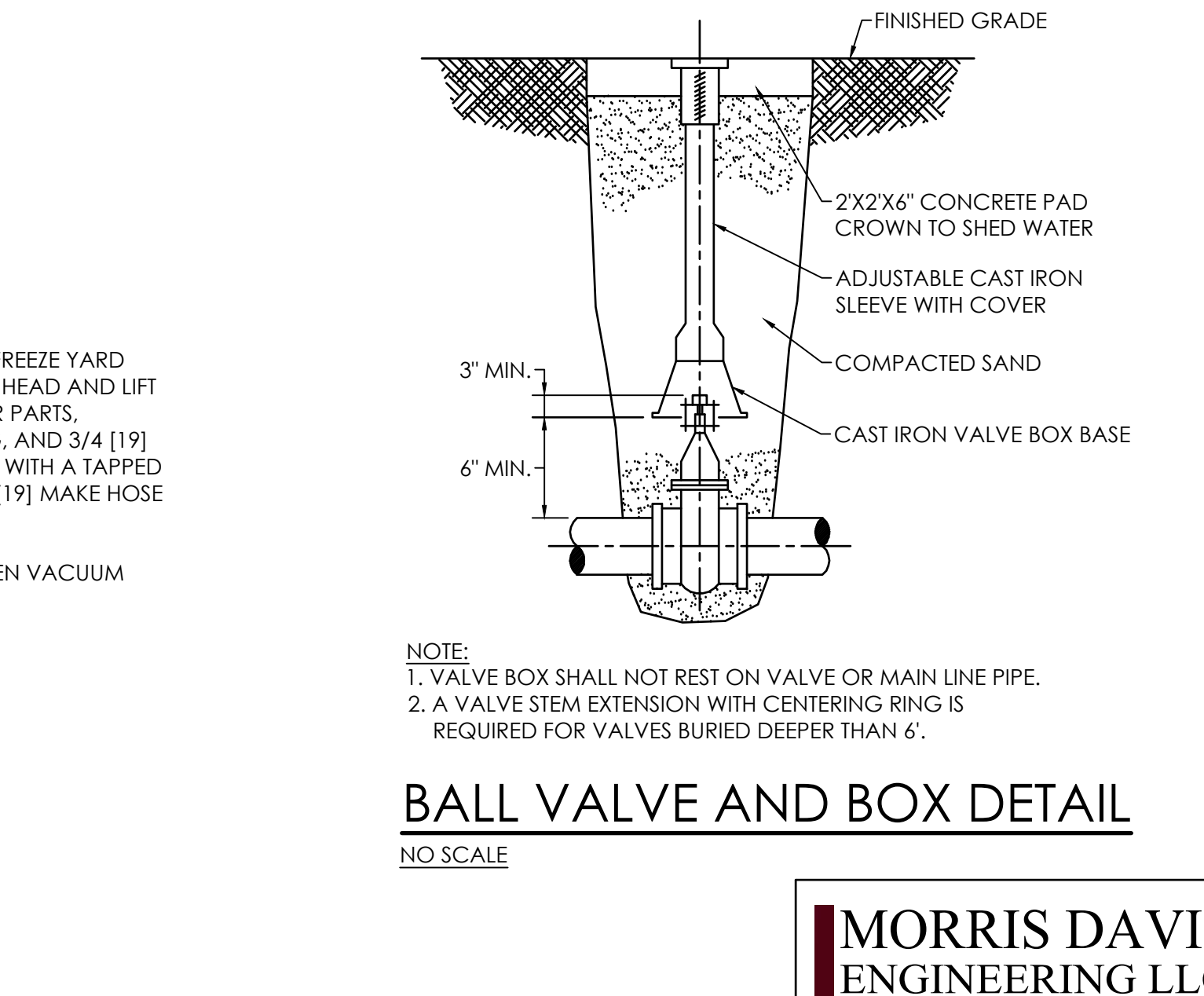
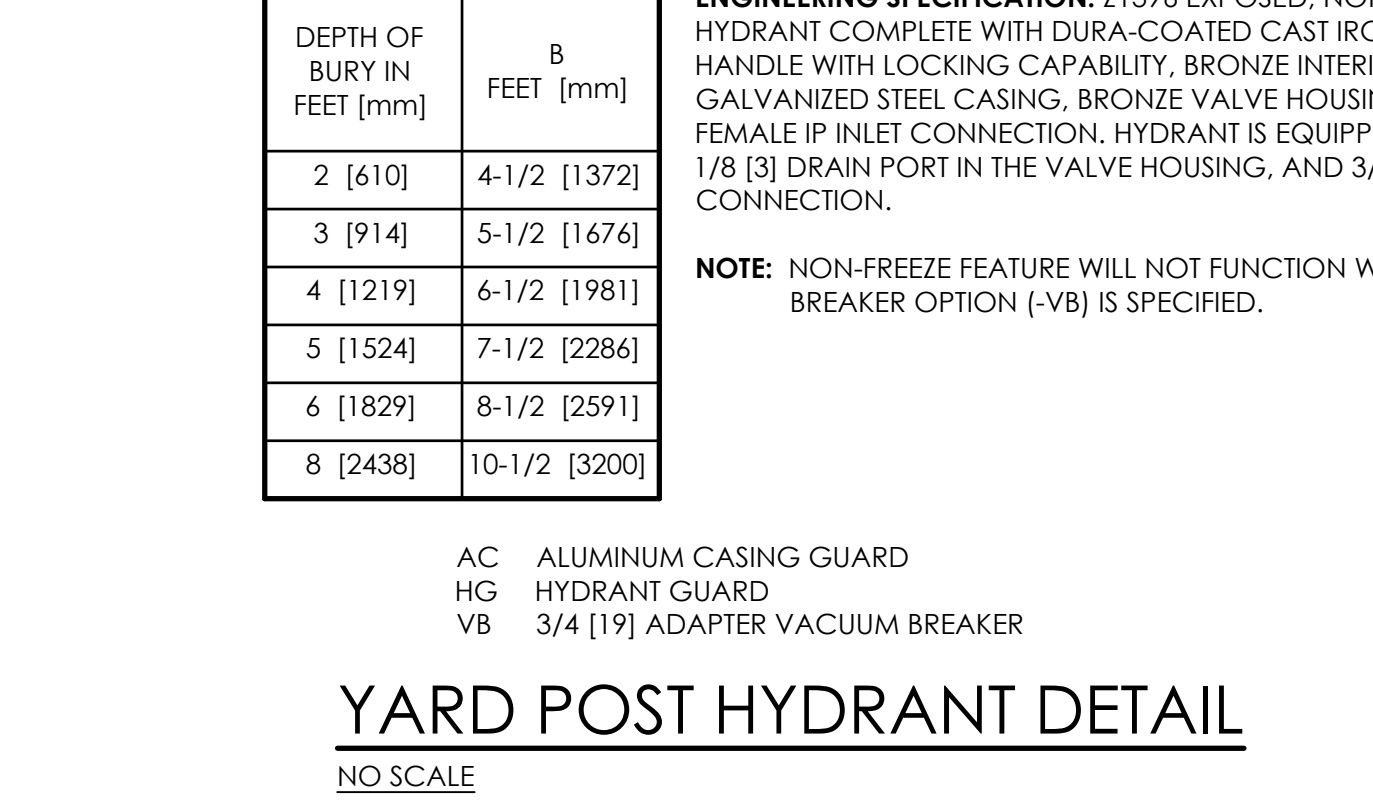
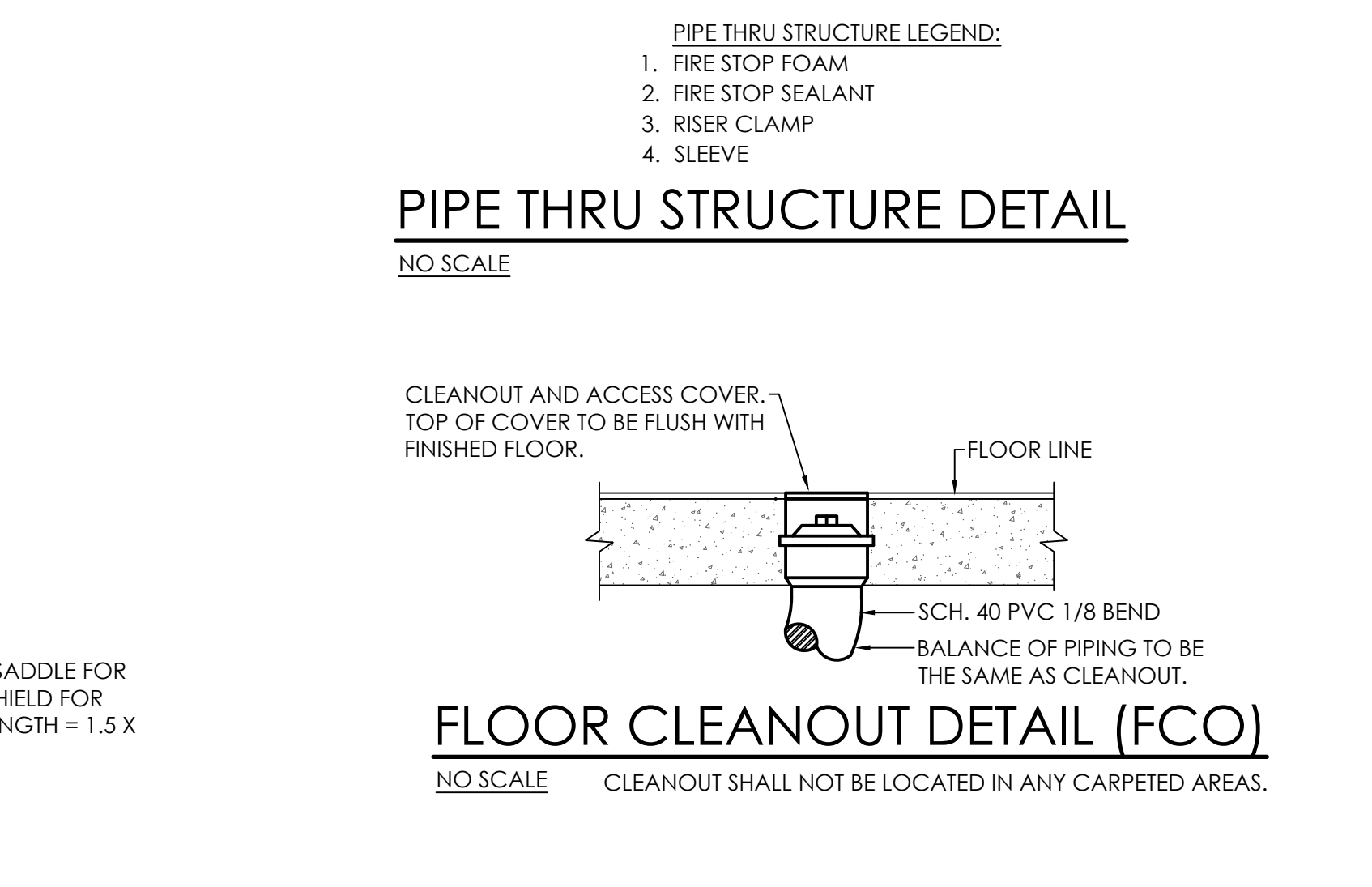
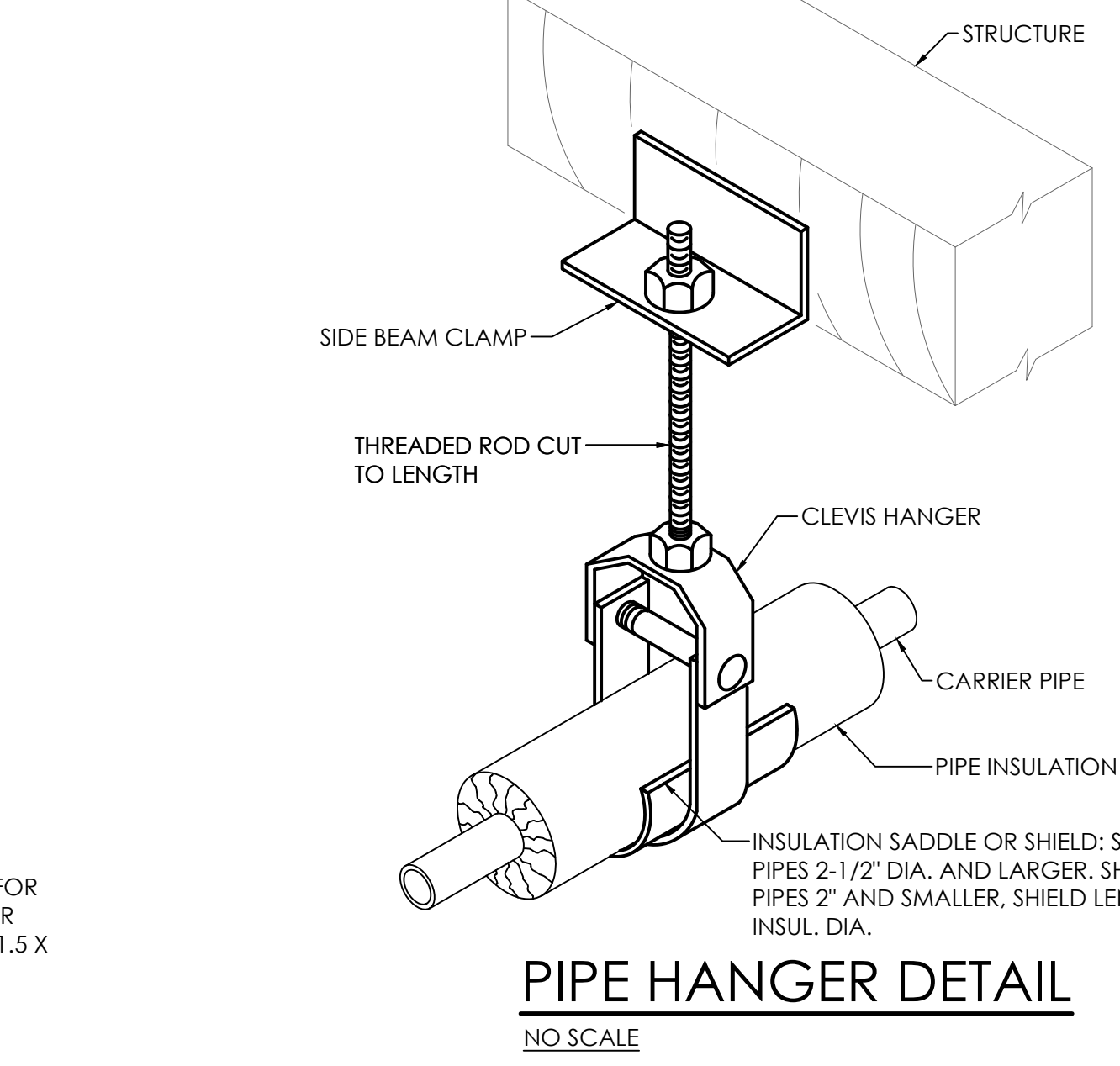
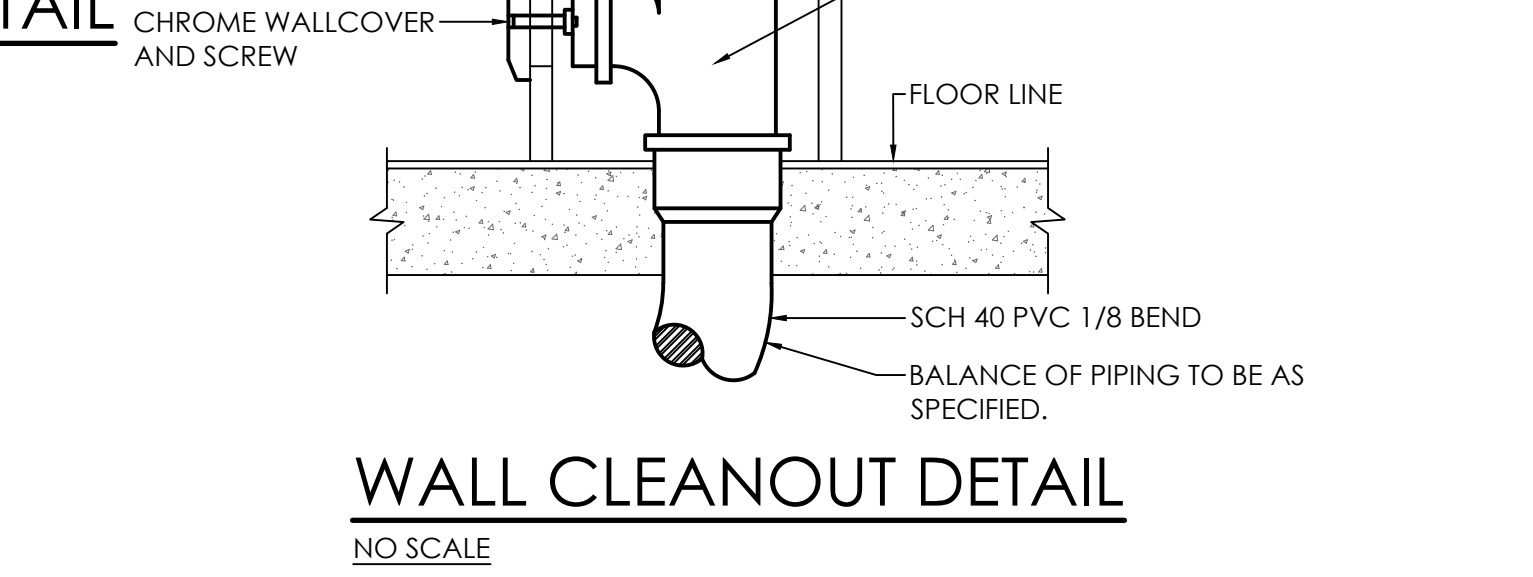
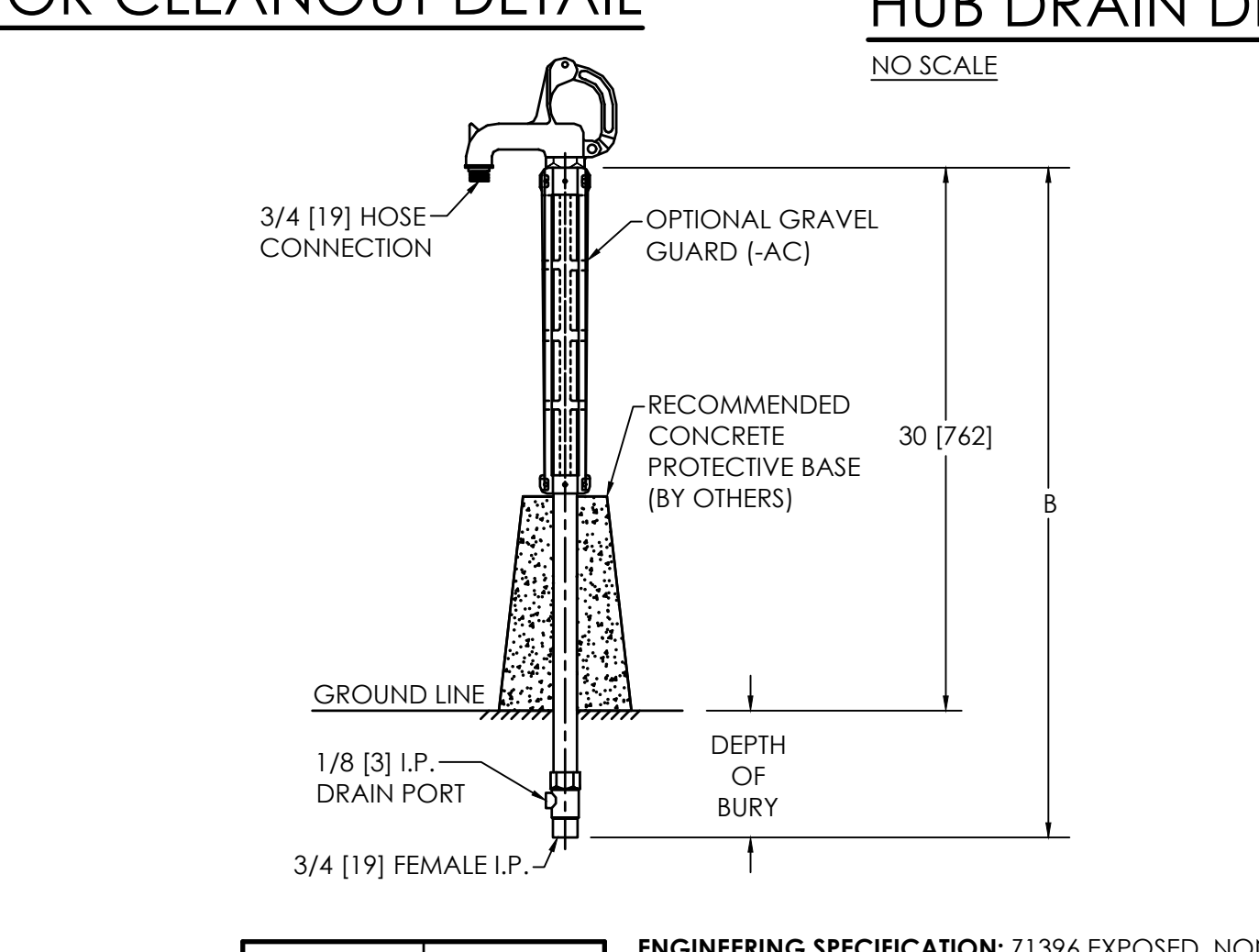
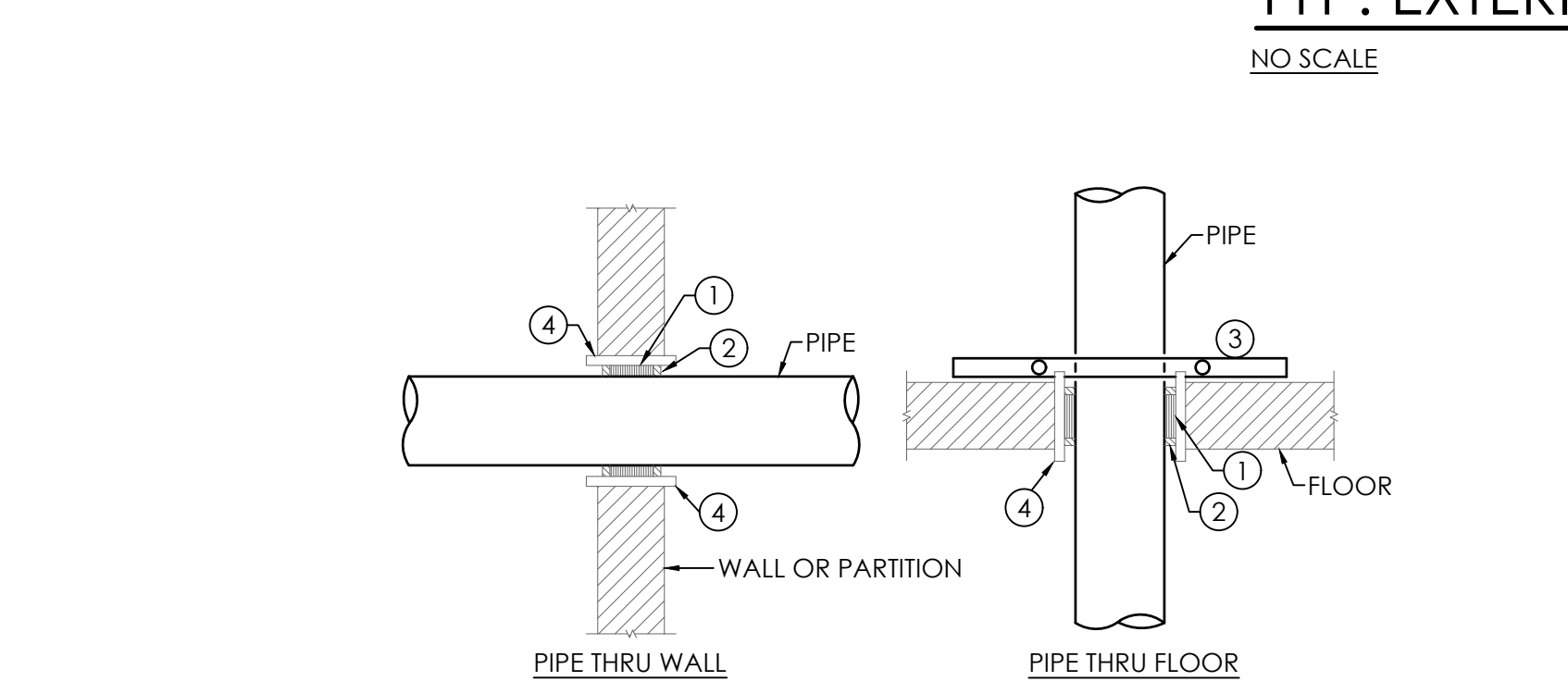
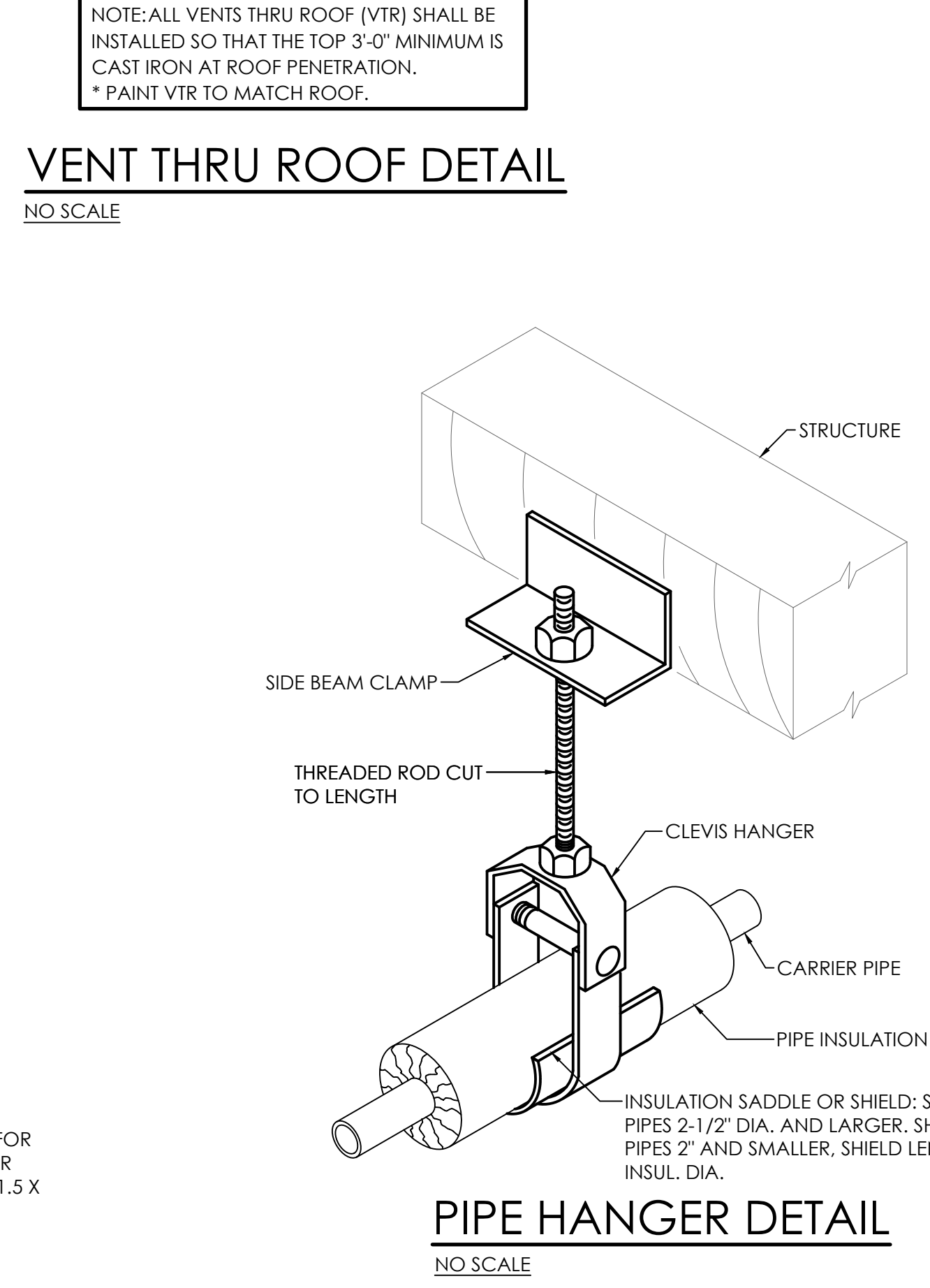
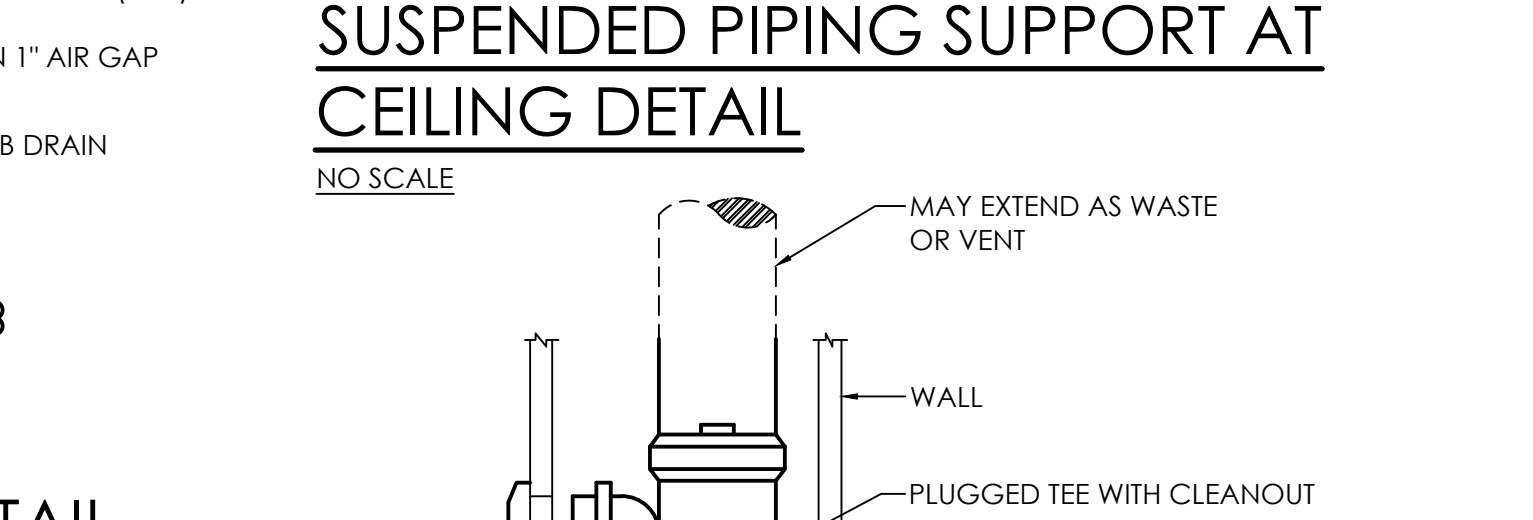
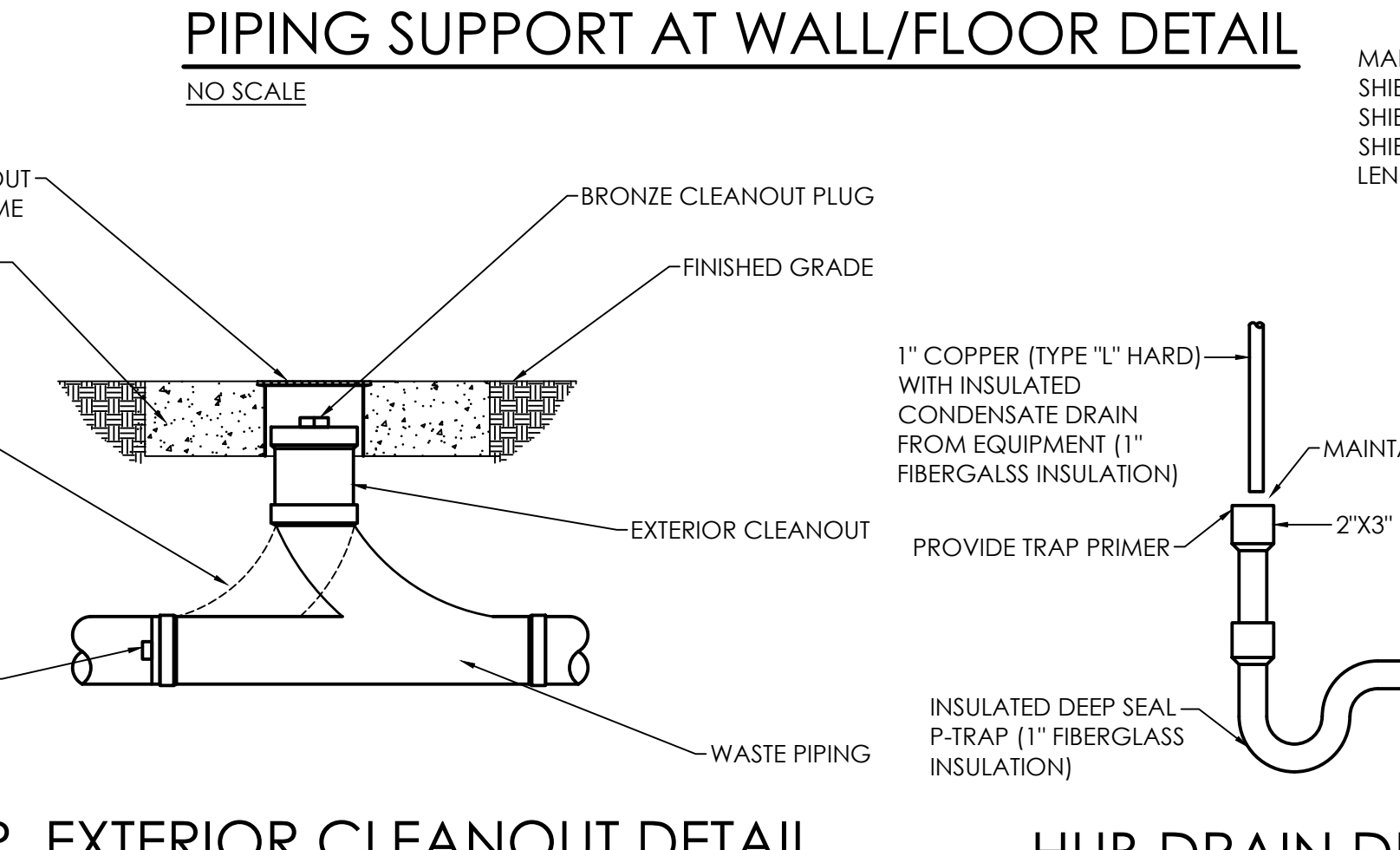
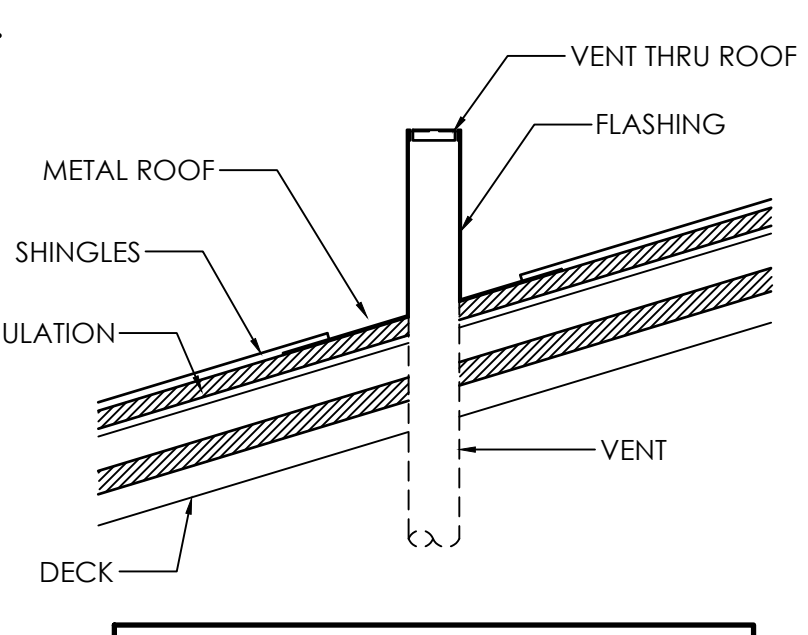
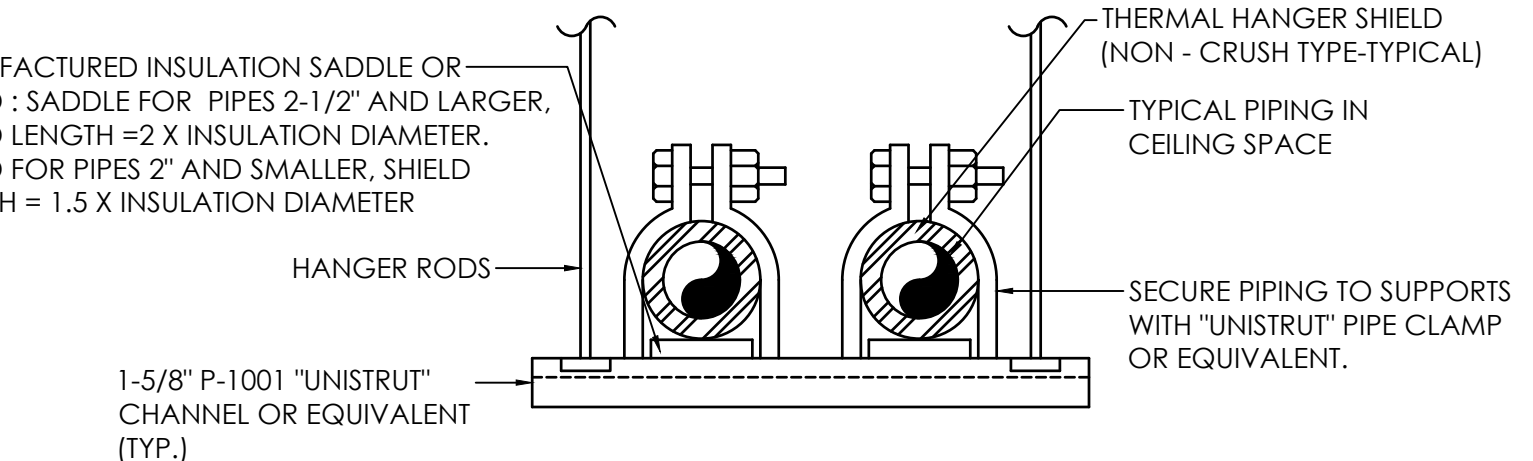
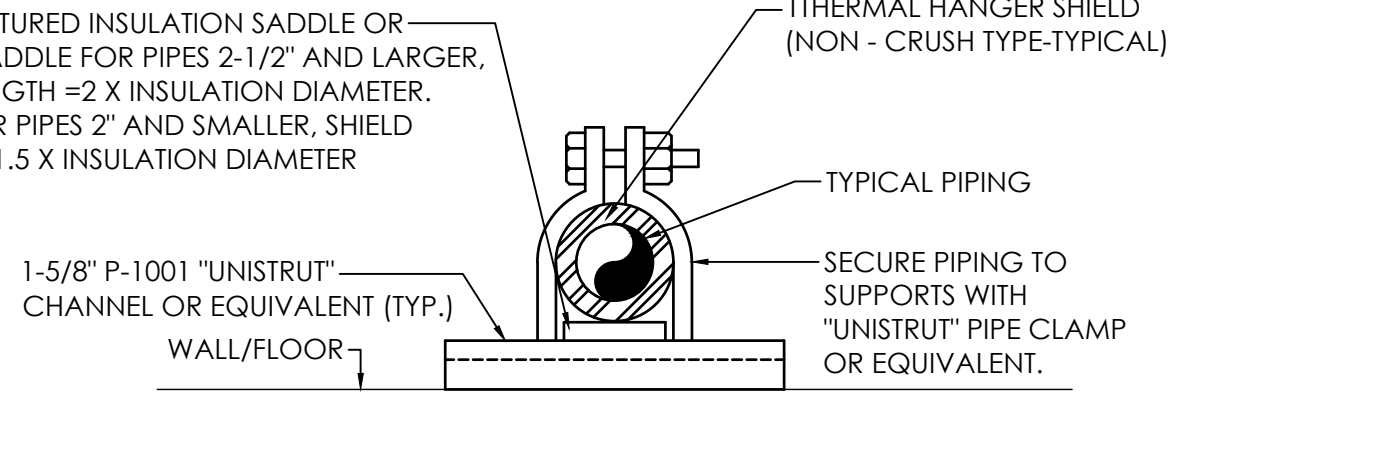
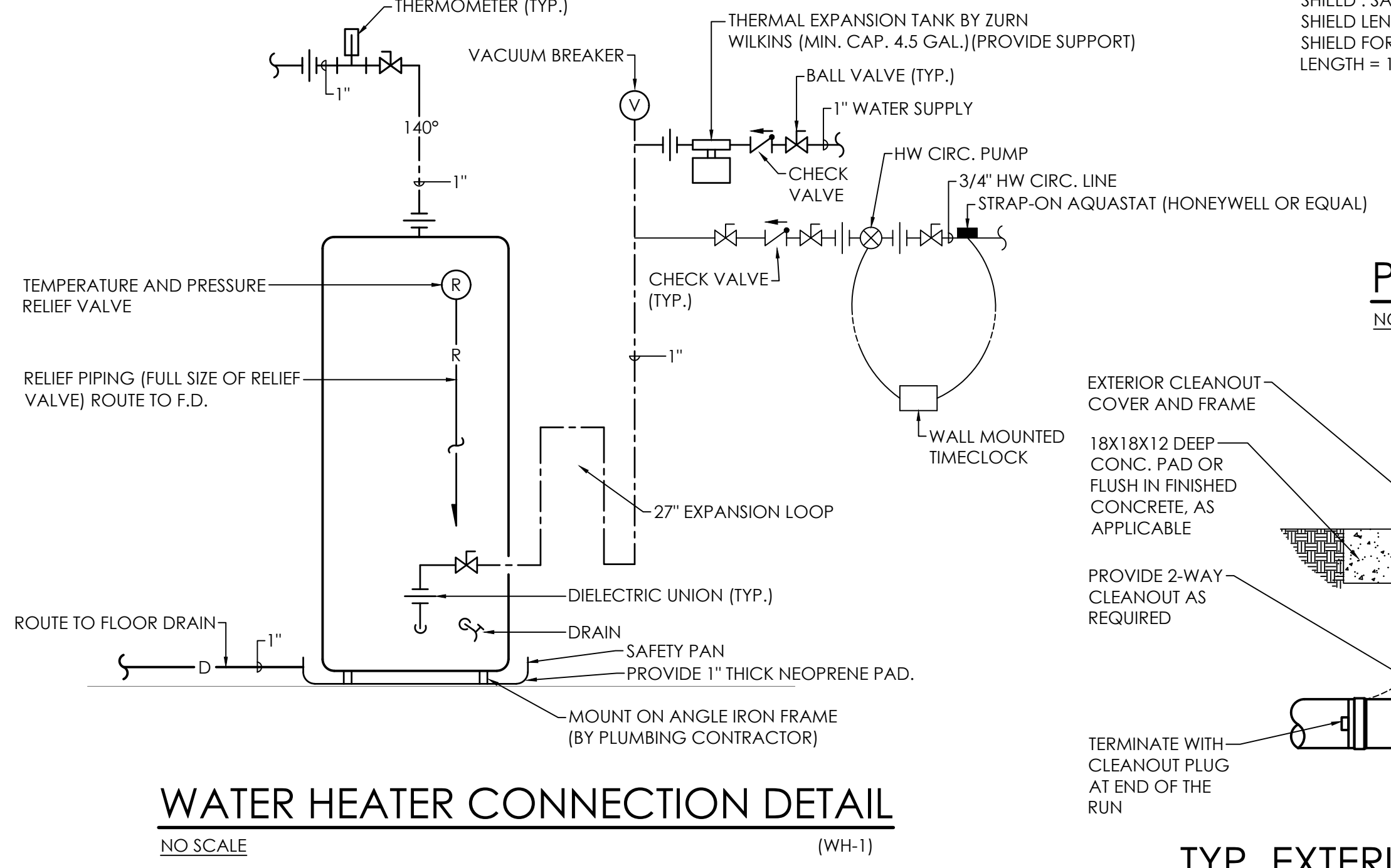
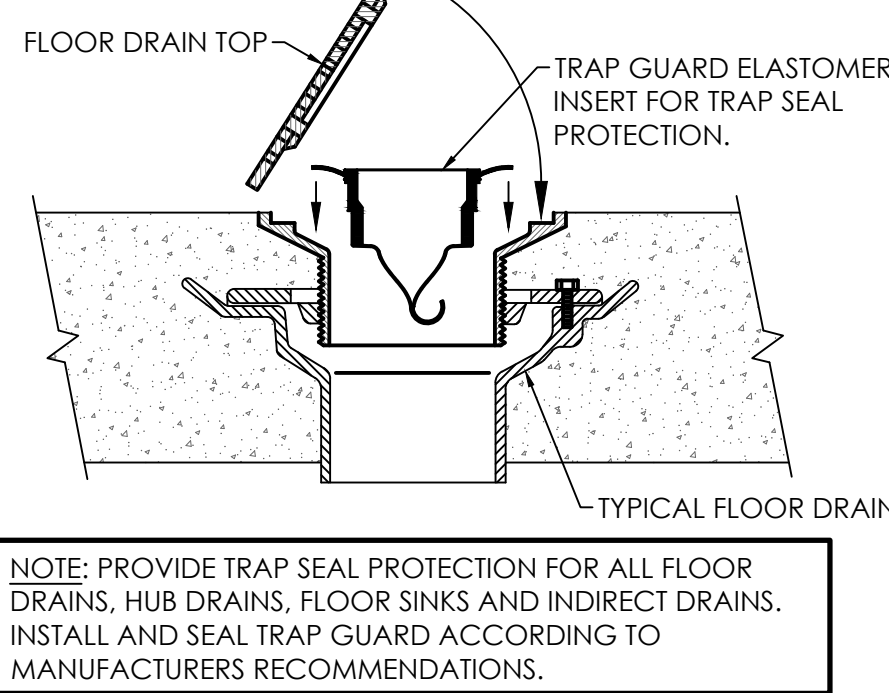
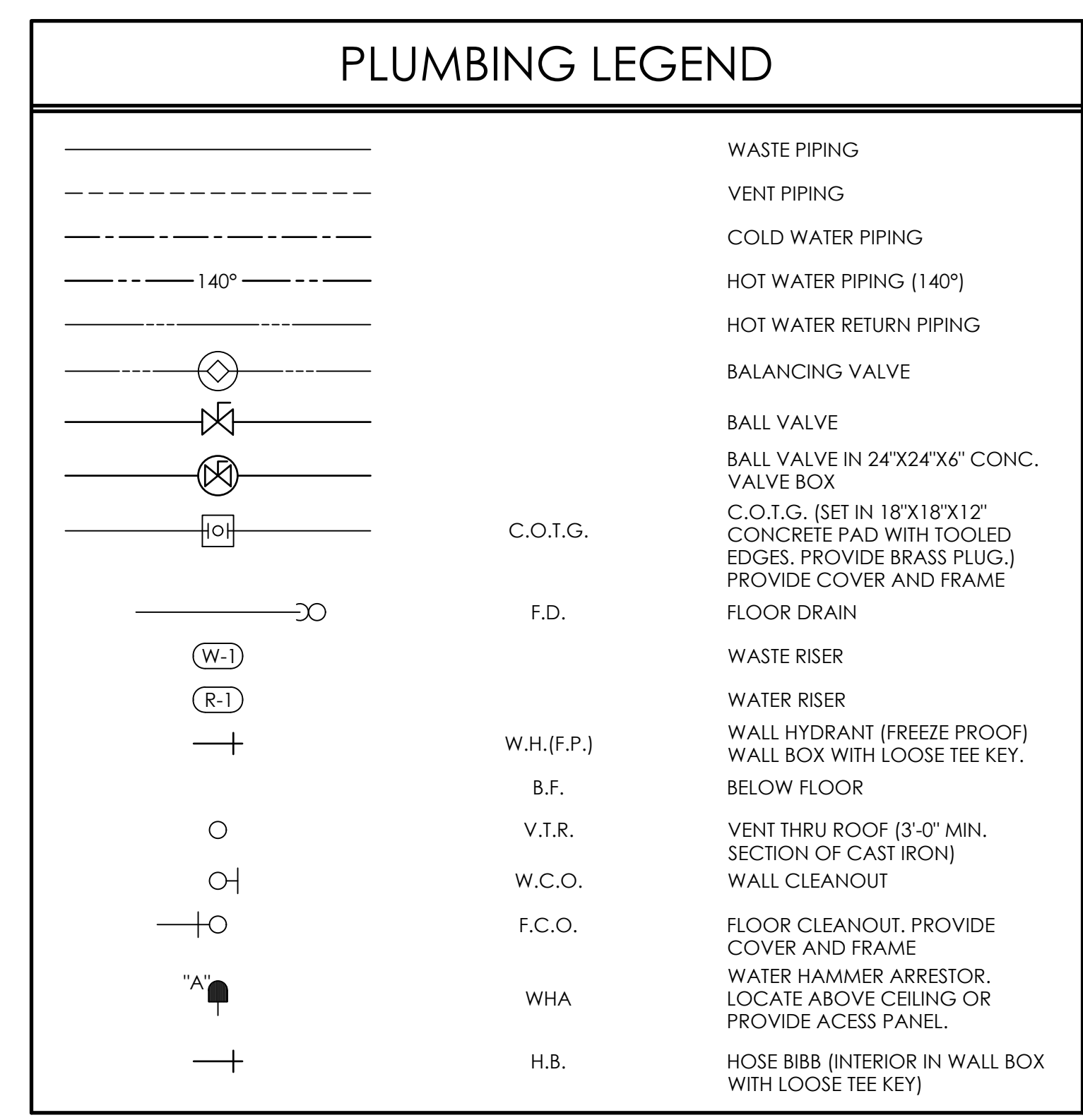
MARK	STORAGE CAPACITY	RECOVERY @ 100°F Δ T	KW	VOLT	PH	CY	REMARKS
WH-1	30	24	6	208	1	60	1,2,3,4,5

**ELECTRIC WATER HEATER SCHEDULE NOTES:**  
 1. PROVIDE THREE YEAR WARRANTY.  
 2. PROVIDE EXPANSION TANK (SEE SPEC.)  
 3. BASED ON RHEEM EGS-30 OR EQUAL.  
 4. PROVIDE CIRC. PUMP 1/20 HP. 120/1/60. (SEE SPECS)  
 5. PROVIDE TIME CLOCK 120/1/60 (SEE SPECS)

### WATER HAMMER ARRESTOR SCHEDULE

P.D.I. UNITS	A	B	C	D	E	F
FIXTURE UNITS	1-11	12-32	33-60	61-113	114-154	155-330

MOUNT ABOVE CEILING OR PROVIDE ACCESS PANEL FOR SERVICE.



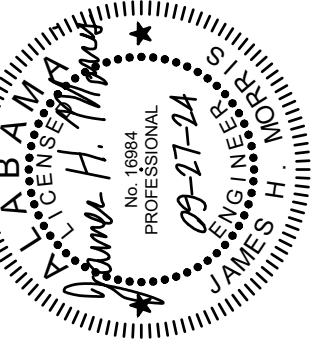
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ISSUE	DATE
FINAL SET	09/27/2024

DRAWN BY: KS  
 CHECKED BY: RB

PERRY COUNTY WORKFORCE TRAINING FOR ISTC  
 PERRY COUNTY, ALABAMA

GMC Project #AMGM240006  
 CONSTRUCTION DRAWINGS



PLUMBING GENERAL NOTES, DETAILS, AND SCHEDULES

**P3.01** of

MORRIS DAVIS ENGINEERING LLC  
 803 SOUTH PERRY STREET  
 MONTGOMERY, AL 36104  
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 www.morriseng.com PROJECT NO: 24-077









RECEPTACLE LEGEND

Table with 2 columns: Symbol and Description. Includes items like Duplex Receptacle Wall Mounted 18" A.F.F. to Center Uno, Duplex Receptacle Ceiling Mounted, Duplex Receptacle Wall Mounted 6" Act to Center or 48" A.F.F. Uno, etc.

AUXILIARY LEGEND - ABOVE CEILING

Table with 2 columns: Symbol and Description. Includes items like Data/Telephone Outlet, Wall Mounted at 18" AFF to Center Uno, Complete with 1" Conduit to Above Ceiling, etc.

BRANCH CIRCUIT LEGEND

Table with 2 columns: Symbol and Description. Includes items like Conduit or Raceway Exposed to View, Run Parallel or Perpendicular to Structure, Conduit or Raceway Concealed in Ceiling Cavity or Wall, etc.

LIGHTING LEGEND

Table with 2 columns: Symbol and Description. Includes items like 2' x 4' Recessed Troffer, Letter "X" Indicates Fixture Type, 2' x 2' Recessed Troffer, Letter "X" Indicates Fixture Type, etc.

FIRE ALARM LEGEND

Table with 2 columns: Symbol and Description. Includes items like Remote Annunciator, Flush Mounted Location Must be Coordinated with Local AHJ & Architectural Elevations, Fire Alarm Control Panel, etc.

SWITCH LEGEND

Table with 2 columns: Symbol and Description. Includes items like Wall Switch SPST 42" AFF to Center Uno 20A 120/277V, Wall Switch 3 Way SPDT 42" AFF to Center Uno 20A 120/277V, etc.

POWER LEGEND

Table with 2 columns: Symbol and Description. Includes items like Service Entrance Panelboard, 480/277V Panelboard, Surface Mounted, 208/120V Panelboard, Surface Mounted, etc.

GENERAL ELECTRICAL NOTES

- 1. THE CONTRACTOR IS RESPONSIBLE TO FURNISH ALL LABOR, EQUIPMENT, MATERIALS, AND SUPPLIES AS NECESSARY FOR A NEAT, COMPLETE, AND SATISFACTORY OPERATING ELECTRICAL SYSTEMS WHICH CONFORMS TO ALL LOCAL CODES, PLANS, AND SPECIFICATIONS.
2. ELECTRICAL CONTRACTOR SHALL REVIEW ENTIRE SET OF CONTRACT DOCUMENTS INCLUDING BUT NOT NECESSARILY LIMITED TO ALL CIVIL ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND ENTIRE PROJECT MANUAL. ELECTRICAL CONTRACTOR SHALL ACKNOWLEDGE AND INCLUDE IN THE SCOPE OF WORK (CONTRACT) ALL CONDITIONS PERTINENT TO THE COMPLETION OF THE ELECTRICAL WORK.
3. ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE, IT SHALL NOT BE THE INTENT OF ISSUED PLANS AND/OR SPECIFICATIONS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE ELECTRICAL CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL NECESSARY ITEMS FOR A COMPLETE AND OPERATING SYSTEM.
4. ALL INSTALLATIONS SHALL CONFORM TO THE LATEST EDITION OF ENFORCED INTERNATIONAL BUILDING CODE AND NFPA-70 AT THE TIME OF PERMIT.
5. EACH BIDDER SHALL VISIT THE JOB SITE PRIOR TO BIDDING TO FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND TO ASCERTAIN THE EXTENT OF WORK REQUIRED. FAILURE TO VISIT SITE SHALL NOT EXCUSE CONTRACTOR FROM PERFORMING REQUIRED WORK NOR SHALL IT BE AN ACCEPTABLE REASON FOR REQUESTING ADDITIONS TO THE CONTRACT.
6. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BE LISTED BY AN AGENCY SUCH AS UNDERWRITER'S LABORATORIES (UL), ELECTRICAL TESTING LABORATORY (ETL), ETC AND ACCEPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION. FOR THE USE INTENDED WHERE A STANDARD FOR SUCH MATERIALS AND USE EXISTS. ALL ITEMS OF THE SAME TYPE AND RATING SHALL BE IDENTICAL AND OF THE SAME MANUFACTURER.
7. THE WORD "PROVIDE" MEANS THAT THIS CONTRACTOR SHALL FURNISH, FABRICATE, ERECT, CONNECT, AND COMPLETELY INSTALL SYSTEMS IN PROPER OPERATING CONDITION. ALL LABOR, PRODUCT OPTIONS, ACCESSORIES AND INCIDENTAL MATERIALS REQUIRED SHALL BE INCLUDED AS PART OF THIS WORK TO COMPLETE THE INSTALLATION.
8. THE ELECTRICAL DRAWINGS INDICATE REQUIREMENTS OF MECHANICAL PLUMBING/FIRE PROTECTION/KITCHEN EQUIPMENT BASED ON RESPECTIVE DRAWINGS AND SPECIFICATIONS. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL CONNECTIONS PRIOR TO ROUGH-IN USING APPROVED CATALOG SHEETS AND SHOP DRAWINGS. ACTUAL EQUIPMENT SUPPLIED MAY DIFFER. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OTHER TRADE DISCIPLINES TO INSURE ANY CHANGES WILL BE INSTALLED CORRECTLY AT THE EXPENSE OF THE DISCIPLINE RESPONSIBLE MAKING THE CHANGES AND/OR SUBSTITUTIONS THAT VARY FROM THE CONSTRUCTION DOCUMENTS.
9. ALL ELECTRICAL CONNECTIONS WILL BE CODE COMPLIANT WITH N.E.C.
10. WIRING SYSTEMS SHALL CONSIST OF COPPER WIRING INSTALLED IN CONDUIT, MINIMUM WIRE SIZE SHALL BE #12AWG, MINIMUM CONDUIT SIZE SHALL BE 3/4".
11. CONDUCTORS SHALL BE 99% COPPER (NO ALUMINUM CONDUCTORS WILL BE ACCEPTED). MINIMUM SIZE #12 AWG-3/4" C.
12. SUBSURFACE CONDUIT SHALL BE SCHEDULE 40PVC UNO. FOR RUNS GREATER THAN 50 FEET IN LENGTH, VERTICAL TURN UPS SHALL BE GRS SWEEP 90S WITH A BITUMASTIC COATING UNO.
13. CONTRACTOR SHALL REPAIR ANY DISTURBED AREA TO SAME COMPACTION, GRADE, SLOPE, ETC. AS ORIGINAL AREA INCLUDING REPLACEMENT OF SOD, GRASS, ROCK, GRAVEL, RIP-RAP, ETC. TO THE SATISFACTION OF THE OWNER AND ENGINEER.
14. CONTRACTOR SHALL REPAIR AND PATCH ALL WALLS, FLOORS, PENETRATIONS, ETC. TO MATCH THE ADJACENT SURFACE WHERE EQUIPMENT IS BEING REMOVED OR IF NECESSARY FOR THE INSTALLATION OF NEW EQUIPMENT UNDER THIS CONTRACT.
15. ANY AREA OF CONSTRUCTION DAMAGED DURING THIS CONTRACT SHALL BE REPAIRED TO MATCH ADJACENT SURFACES.
16. WITHIN ALL AREAS OF WORK, ALL UNUSED OR ABANDONED ELECTRICAL CONDUIT, CONDUCTORS, FITTINGS AND SUPPORTS SHALL BE REMOVED.
17. REMOVE ANY SPILLED DIRT, CONCRETE, ETC. FROM ANY DRIVEWAYS, ROADWAYS OR CONSTRUCTION SITE AS DIRECTED BY ARCHITECTURAL INSPECTOR.
18. CLEAN UP ALL DEBRIS AROUND CONSTRUCTION SITE DAILY.
19. ELECTRICAL CONTRACTOR SHALL ADJUST WIRE SIZE BASED ON ACTUAL INSTALLATION LENGTH VERSUS DESIGN DISTANCES MAXIMUM ALLOWED VOLTAGE DROP IS 3%.

NOTE:
1. CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING SUPPORT FOR SUSPENDED ELECTRICAL EQUIPMENT.

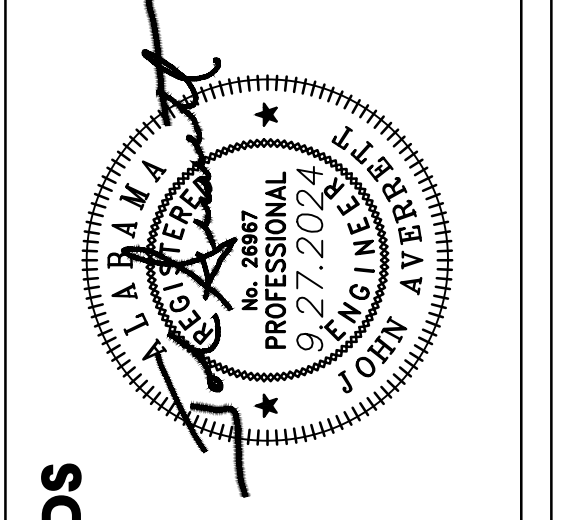
ELECTRICAL ABBREVIATIONS

Table with 2 columns: Abbreviation and Full Name. Includes items like AMP, AMPERE, ALUMINUM CONDUCTOR STEEL-REINFORCED, AMPS FRAME, ABOVE FINISHED FLOOR, etc.

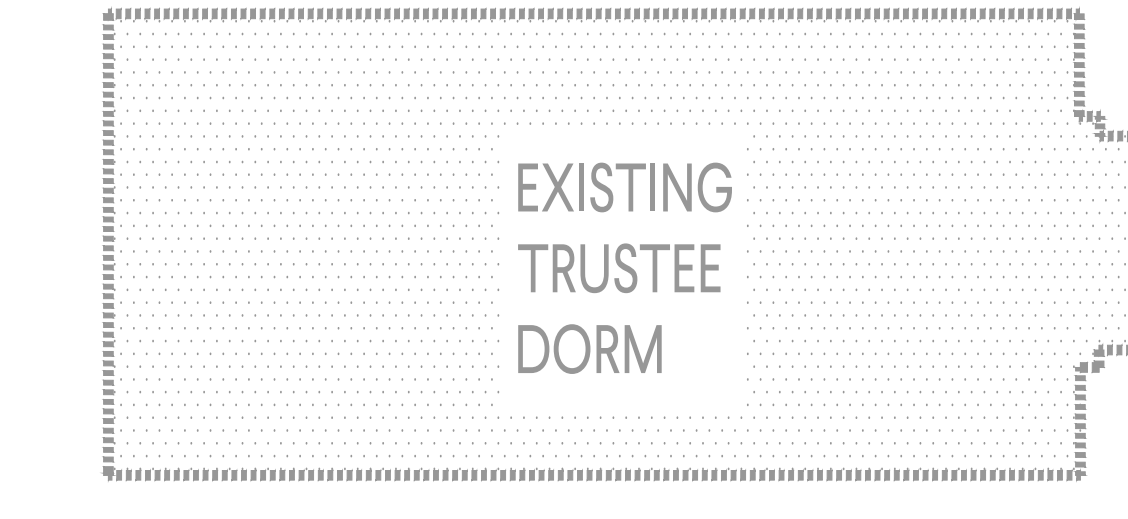
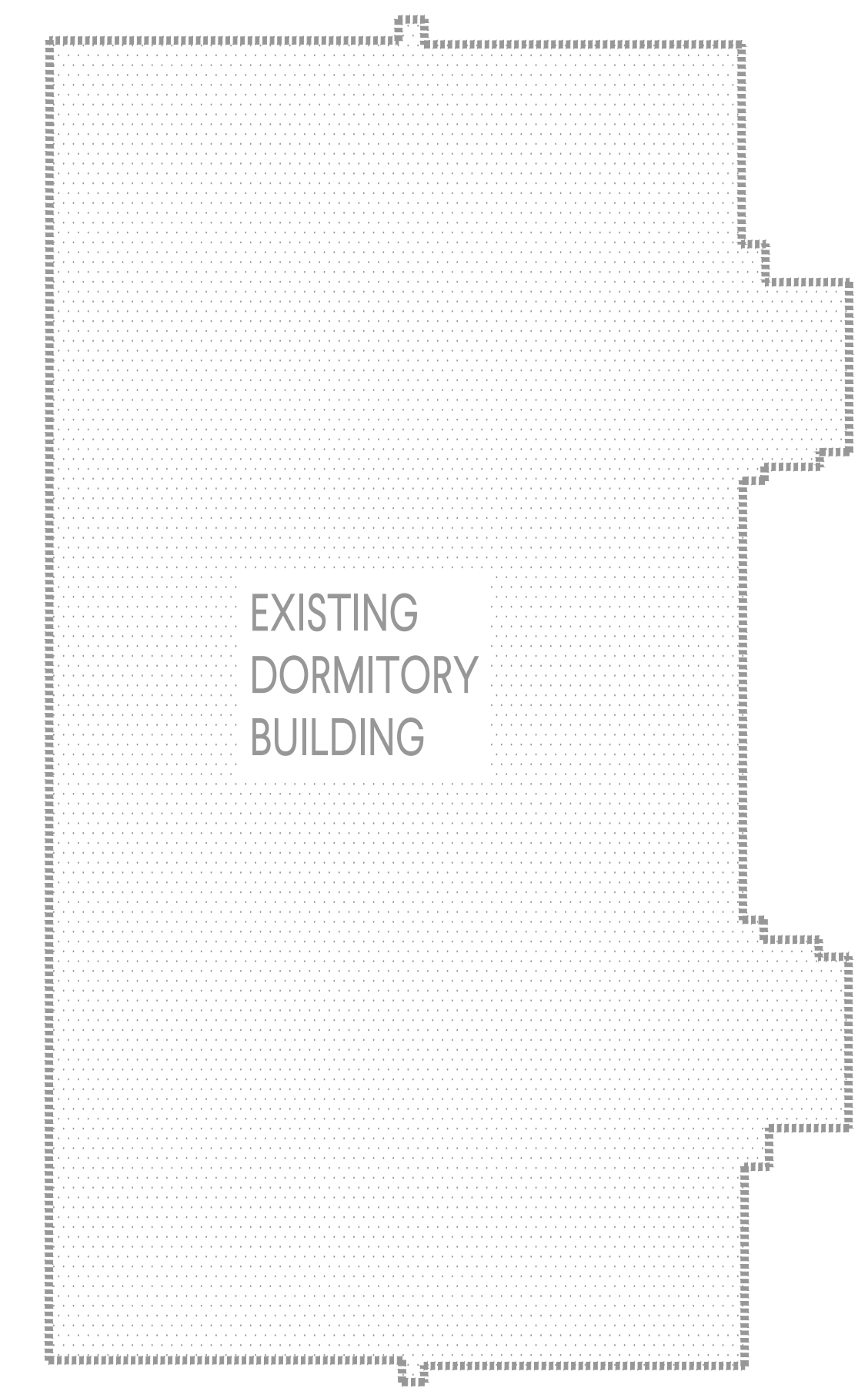
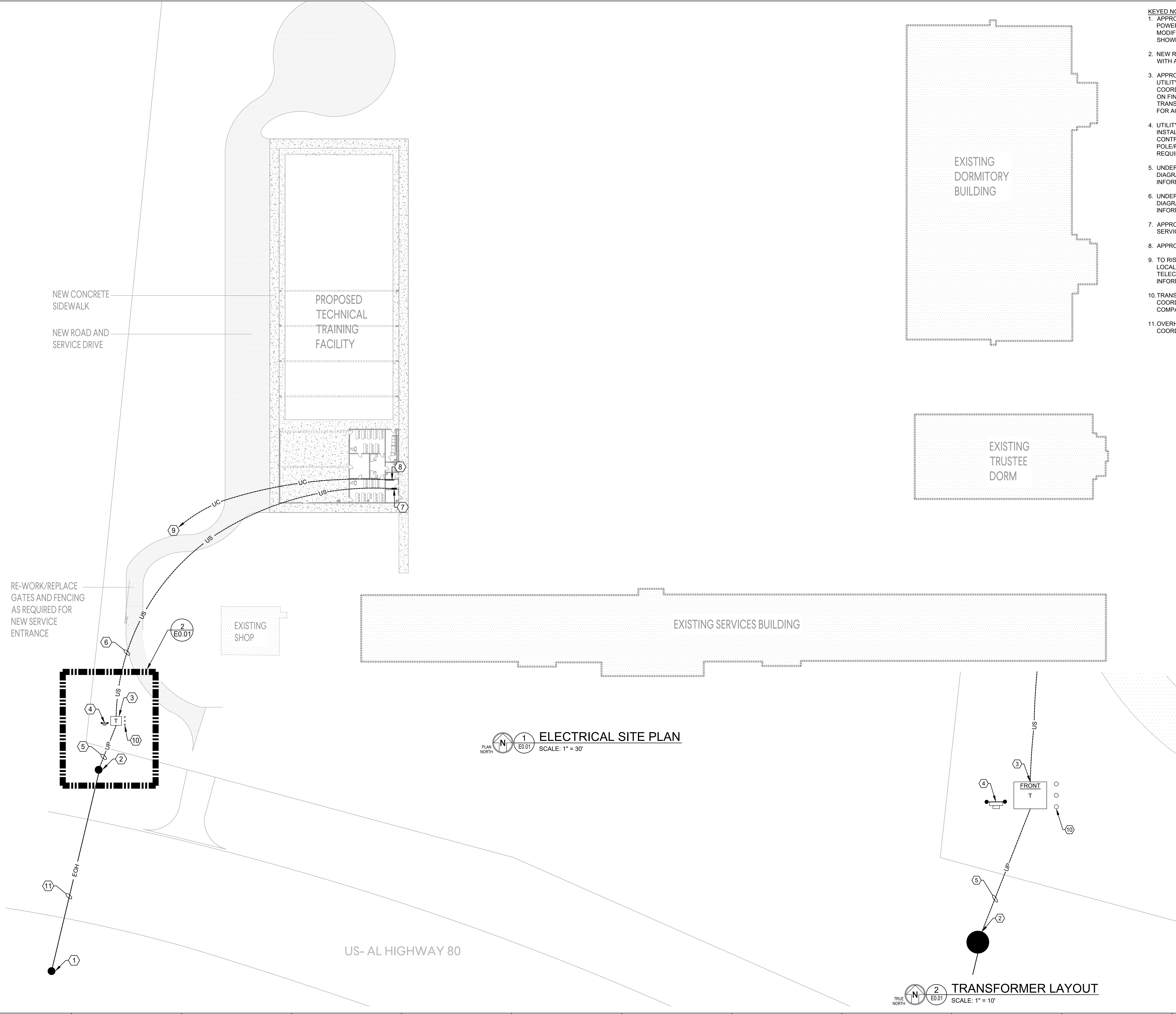
GMC logo and contact information: 2660 East Chase Lane, Suite 200, Montgomery, AL 36117, T 334.271.3200, GMCNETWORK.COM

Table with 2 columns: ISSUE DATE and Description. Includes items like FINAL SET 09/27/2024, DESIGNED BY: DJZ, DRAWN BY: BJA/DJZ, CHECKED BY: JEA

PERRY COUNTY WORKFORCE TRAINING FOR ITC PERRY COUNTY, ALABAMA
GMC Project #AMGM240006 CONSTRUCTION DRAWINGS



ELECTRICAL LEGENDS & NOTES
GEO.01
Sheet of



**ELECTRICAL SITE PLAN**  
 SCALE: 1" = 30'  
 PLAN NORTH

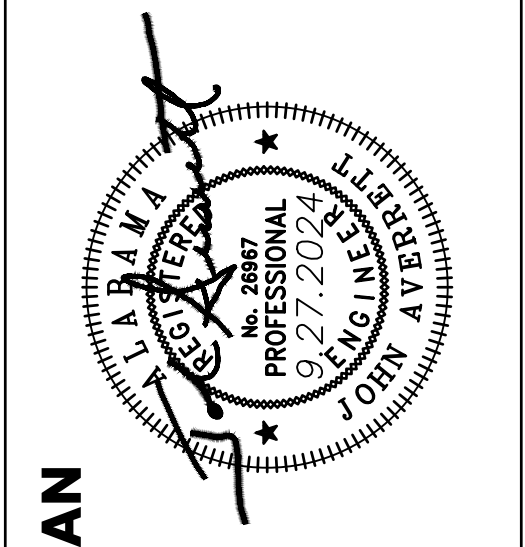
**TRANSFORMER LAYOUT**  
 SCALE: 1" = 10'  
 TRUE NORTH

- KEYED NOTES (#)**
- APPROXIMATE LOCATION OF EXISTING POWER POLE TO REMAIN AND BE MODIFIED TO ACHIEVE DESIGN INTENT SHOWN. COORDINATE WITH APCO.
  - NEW RISER POLE BY APCO. COORDINATE WITH APCO.
  - APPROXIMATE LOCATION OF NEW UTILITY PAD MOUNTED TRANSFORMER. COORDINATE WITH APCO AND OWNER ON FINAL LOCATION. FRONT OF TRANSFORMER FACING THIS DIRECTION FOR ACCESSIBILITY.
  - UTILITY METER FURNISHED BY APCO. INSTALLED BY ELECTRICAL CONTRACTOR. INSTALL ON METAL POLE/PEDESTAL AS PER APCO REQUIREMENTS.
  - UNDERGROUND PRIMARY. SEE RISER DIAGRAM 2/E6.01 FOR MORE INFORMATION.
  - UNDERGROUND SECONDARY. SEE RISER DIAGRAM 2/E6.01 FOR MORE INFORMATION.
  - APPROXIMATE LOCATION OF NEW SERVICE ENTRANCE PANEL 'MDP'.
  - APPROXIMATE LOCATION OF NEW 'TBB'.
  - TO RISER POLE. COORDINATE WITH LOCAL PROVIDER AND OWNER. SEE TELECOM RISER 7/E5.03 FOR ADDITIONAL INFORMATION.
  - TRANSFORMER SAFETY BOLLARD. COORDINATE LOCATIONS WITH UTILITY COMPANY / OWNER.
  - OVERHEAD PRIMARY BY APCO. COORDINATE WITH APCO.

ISSUE	DATE
FINAL SET	09/27/2024
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DRAWN BY:	JAN/JDZ
CHECKED BY:	JEA

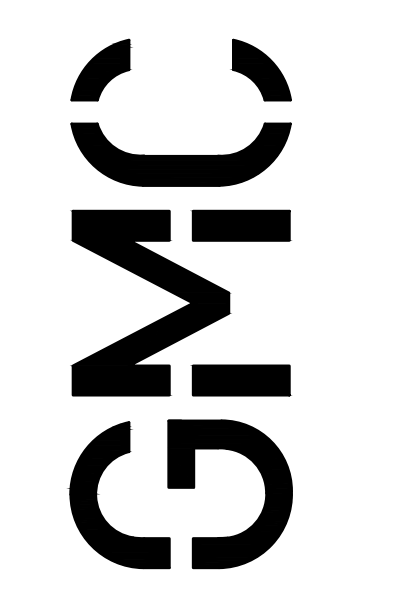
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 PERRY COUNTY, ALABAMA

**GMC Project #AMGM240006**  
**CONSTRUCTION DRAWINGS**



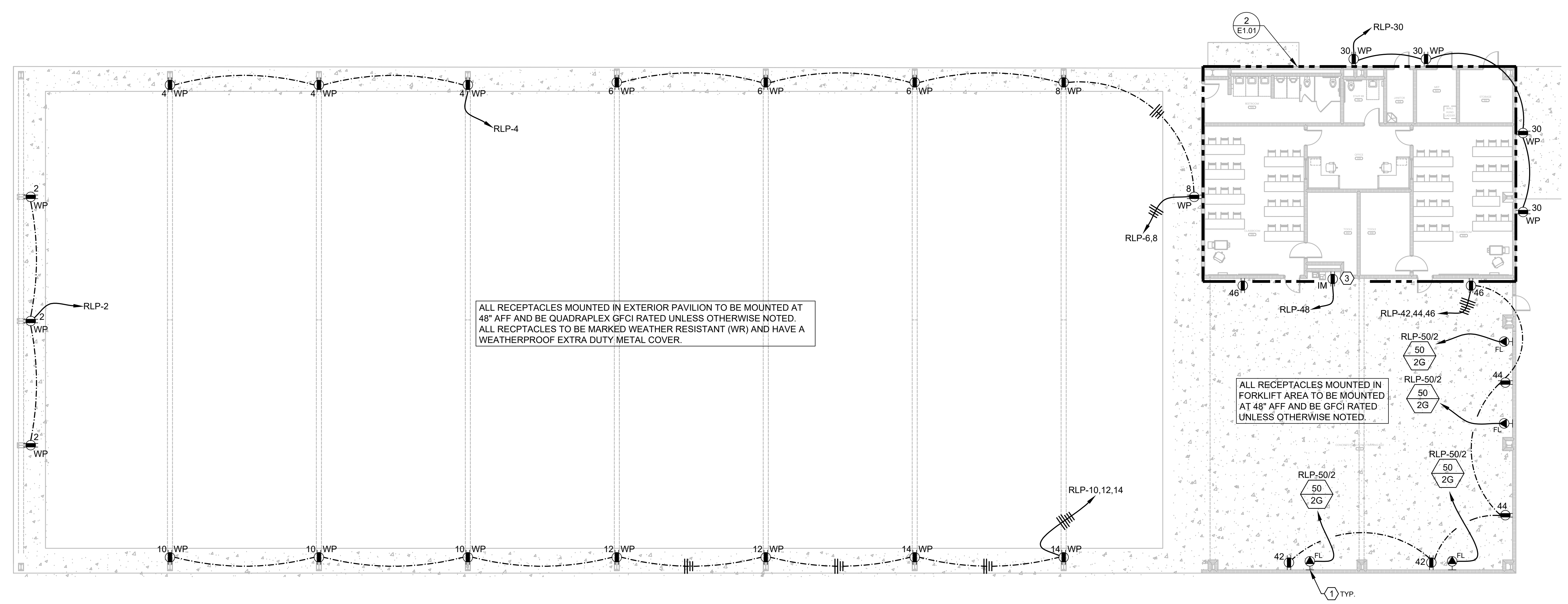
**ELECTRICAL SITE PLAN**

**E0.01**  
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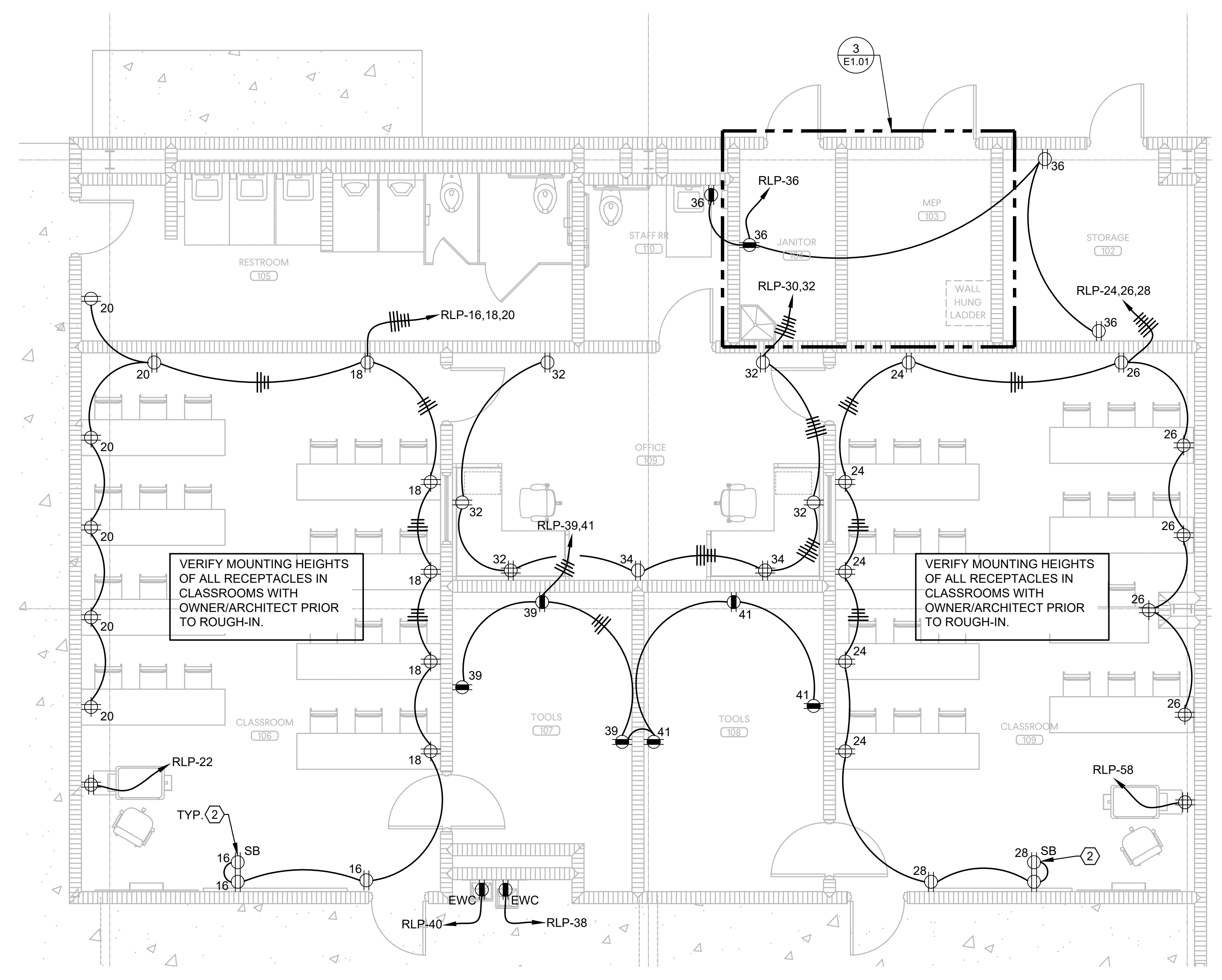


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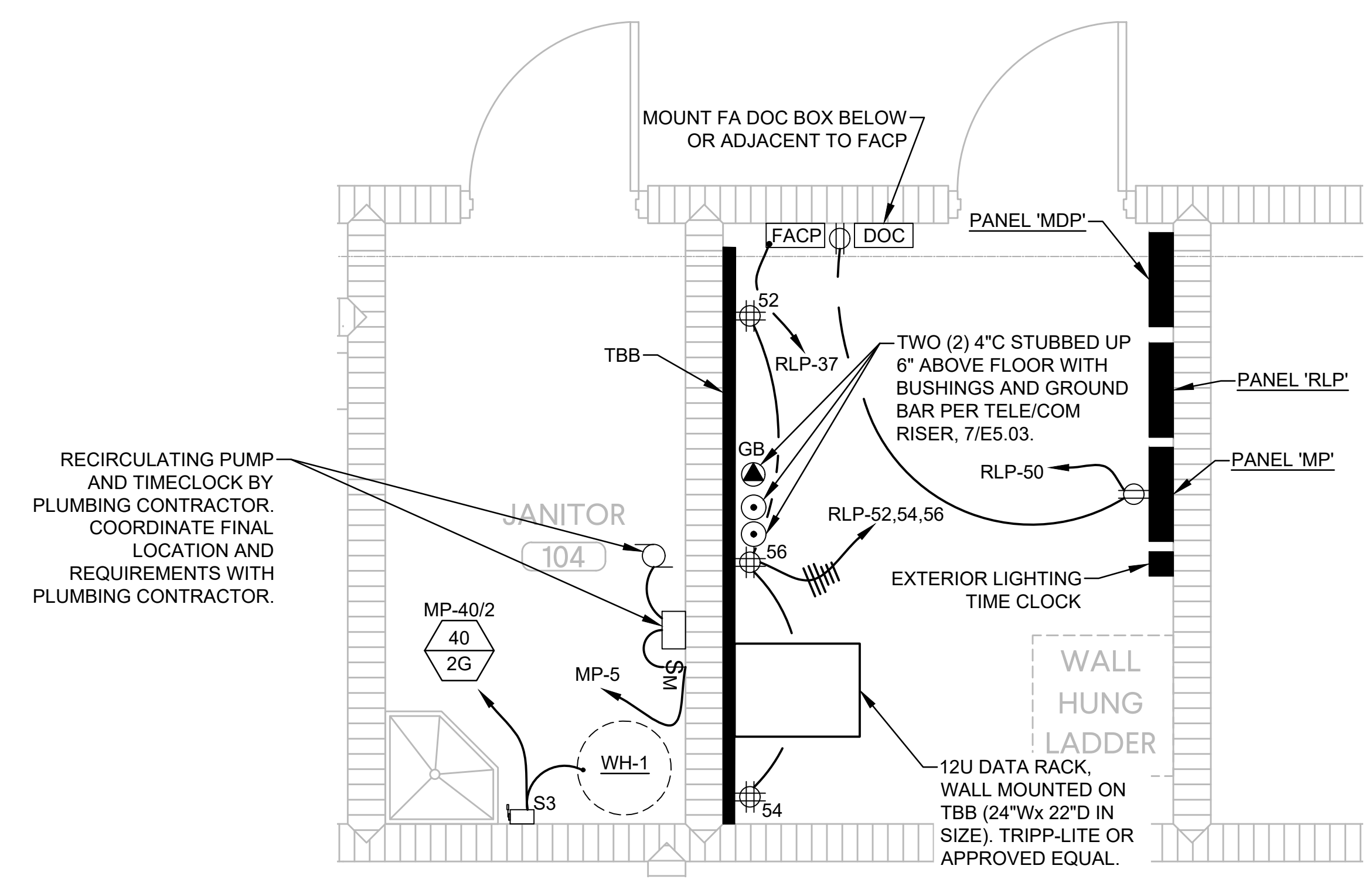
- KEYED NOTES**
1. VERIFY FINAL LOCATION, MOUNTING HEIGHT, AND NEMA PLUG CONFIGURATION OF FORKLIFT CHARGER RECEPTACLE WITH OWNER'S EQUIPMENT PRIOR TO ROUGH-IN.
  2. RECEPTACLE FOR SMART BOARD. COORDINATE FINAL LOCATION AND MOUNTING HEIGHT WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN.
  3. RECEPTACLE FOR ICE MACHINE - VERIFY FINAL LOCATION AND MOUNTING HEIGHT WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN. COORDINATE NEMA PLUG CONFIGURATION WITH EQUIPMENT ACTUALLY FURNISHED.
- GENERAL NOTE:**
1. PROJECT DESIGNED TAKING EXEPTION TO ASHRAE 90.1 (2013) SECTIONS - 8.4.2 (2) & 9.4.1.1(h) (2) - SPACES WHERE AN AUTOMATIC CONTROL WOULD ENDANGER THE SAFETY OF SECURITY OF THE ROOM OR BUILDING OCCUPANT(S).



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



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

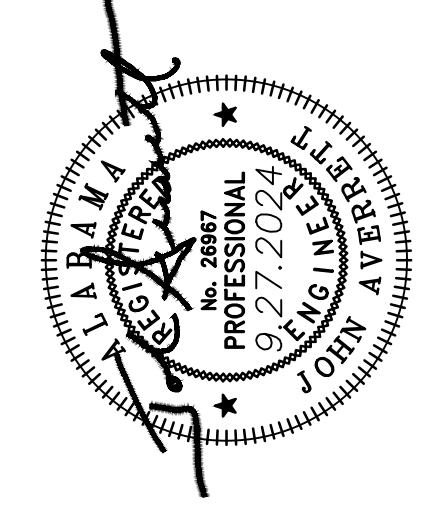


**ENLARGED MEP AND JANITOR ROOM**  
SCALE: 1/2"=1'-0"

ISSUE DATE	DATE
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DRAWN BY:	JAN/JDZ
CHECKED BY:	JEA

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TRAINING FOR ITC  
PERRY COUNTY, ALABAMA

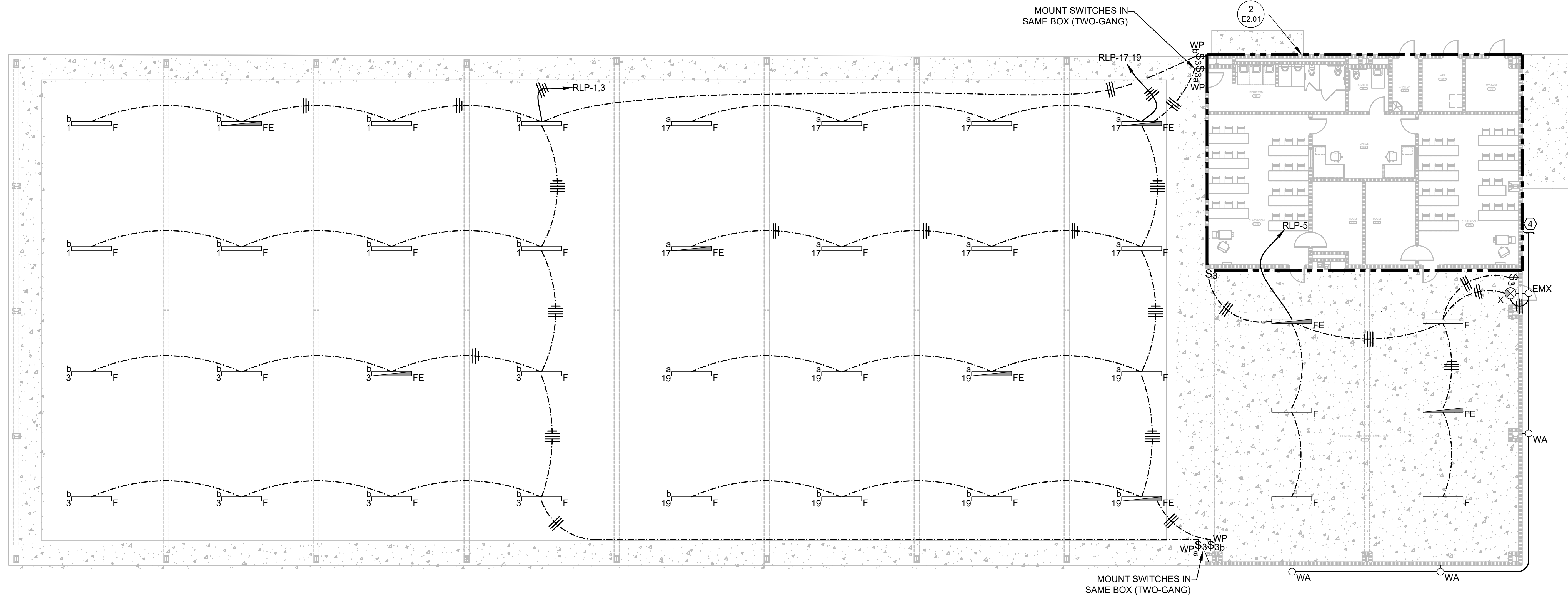
GMC Project #AMGM240006  
CONSTRUCTION DRAWINGS



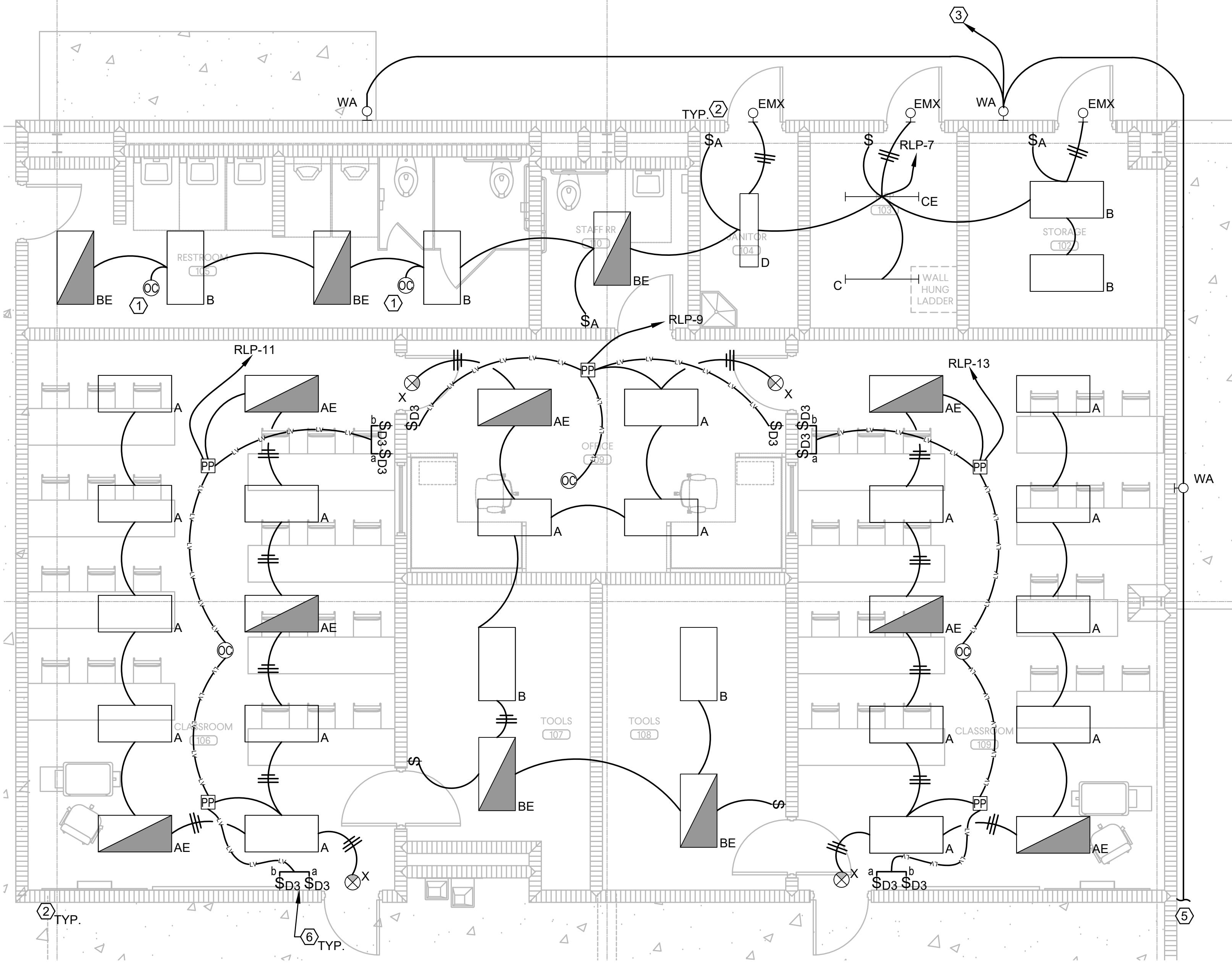
POWER PLAN

E1.01  
Sheet of

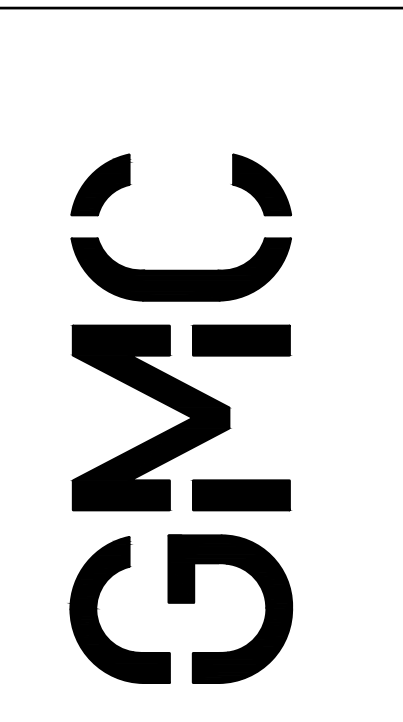
- KEYED NOTES (#)**
1. INTERCONNECT EACH OCCUPANCY SENSOR IN THE AREA SO THAT THEY OPERATE AS ONE.
  2. CONNECT TO UNSWITCHED HOTLEG SO UNIT WILL OPERATE UPON POWER FAILURE TO BUILDING.
  3. RLP-15 THRU TIMECLOCK IN MEP ROOM.
  4. CONTINUE TO NEXT WA EXTERIOR FIXTURE. SEE LIGHTING PLAN 2/E2.01.
  5. CONTINUE TO NEXT WA EXTERIOR FIXTURE. SEE LIGHTING PLAN 1/E2.01.
  6. INSTALL SWITCHES IN SAME BOX (TWO-GANG) ADJACENT TO ENTRY DOOR.



**1 LIGHTING PLAN**  
 PLAN NORTH 1/E2.01 SCALE: 3/32"=1'-0"



**2 ENLARGED LIGHTING PLAN**  
 PLAN NORTH 2/E2.01 SCALE: 1/4"=1'-0"

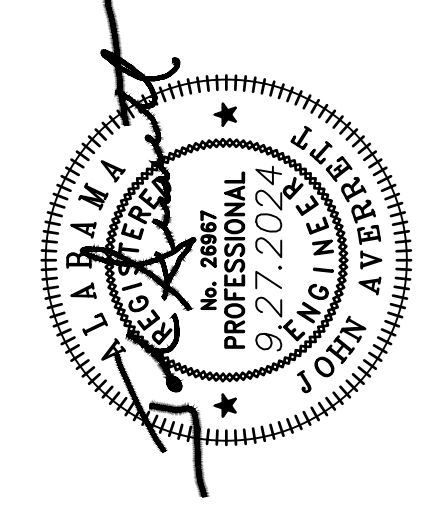


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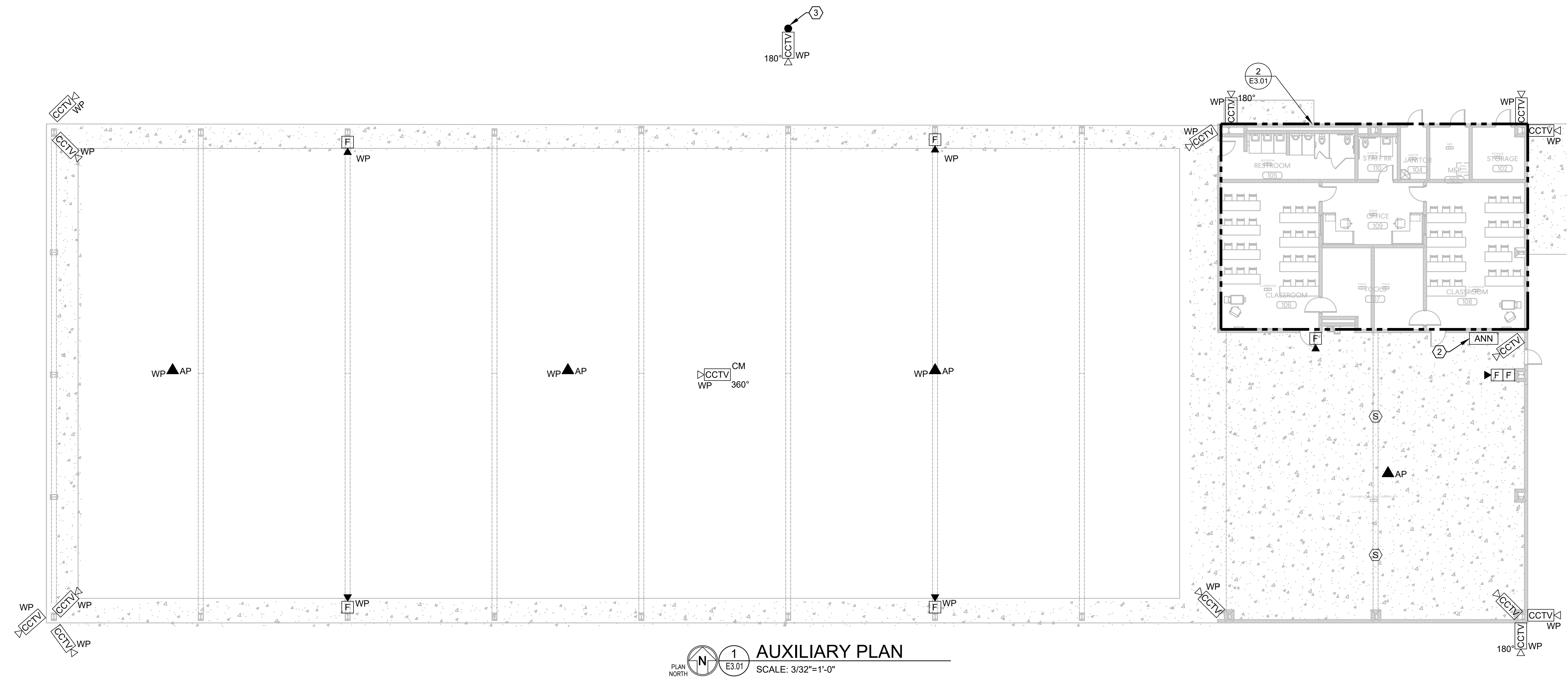
**LIGHTING PLAN**

**E2.01**  
 Sheet of

C  
 B  
 A

1 2 3 4 5 6 7 8 9 10 11 12

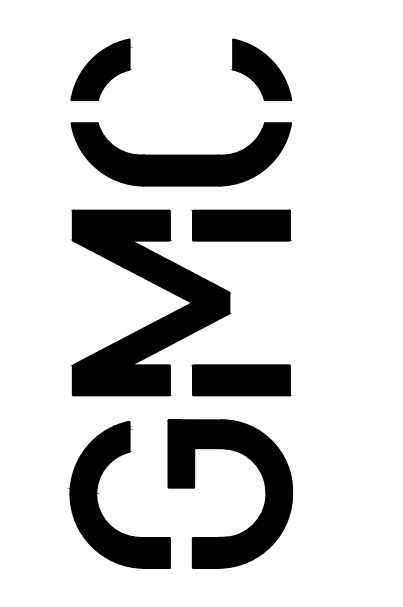
- KEYED NOTES** (E)
1. MOUNT ON SAME CENTERLINE.
  2. VERIFY FINAL LOCATION WITH LOCAL AHJ.
  3. EXTERIOR CAMERA MOUNTED ON 20' WOOD POLE. VERIFY FINAL LOCATION OF POLE & CAMERA WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN. ROUTE 3/4" EC UNDERGROUND TO TBB IN MEP ROOM.
- GENERAL NOTES:**
1. VERIFY ALL QUANTITIES AND LOCATIONS OF ALL WIRELESS ACCESS POINTS AND CAMERA WITH OWNER PRIOR TO ROUGH-IN.
  2. AT PROJECT COMPLETION, THE FIRE ALARM SYSTEM MUST BE CERTIFIED BY A LICENSE FIRE ALARM CONTRACTOR AS PER THE REQUIREMENTS OF THE STATE OF ALABAMA FIRE MARSHALL'S OFFICE.



**AUXILIARY PLAN**  
 PLAN NORTH 1 E3.01 SCALE: 3/32"=1'-0"



**ENLARGED AUXILIARY PLAN**  
 PLAN NORTH 2 E3.01 SCALE: 1/4"=1'-0"

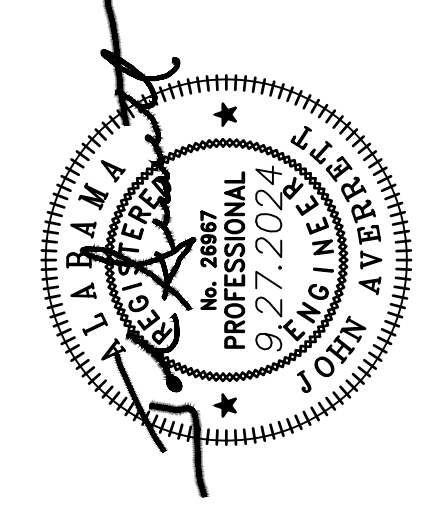


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FINAL SET: 09/27/2024
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DRAWN BY: JBA/JDZ
CHECKED BY: JBA

PERRY COUNTY WORKFORCE  
 TRAINING FOR ISTC  
 PERRY COUNTY, ALABAMA

GMC Project #AMGM240006  
 CONSTRUCTION DRAWINGS



AUXILIARY PLAN

E3.01  
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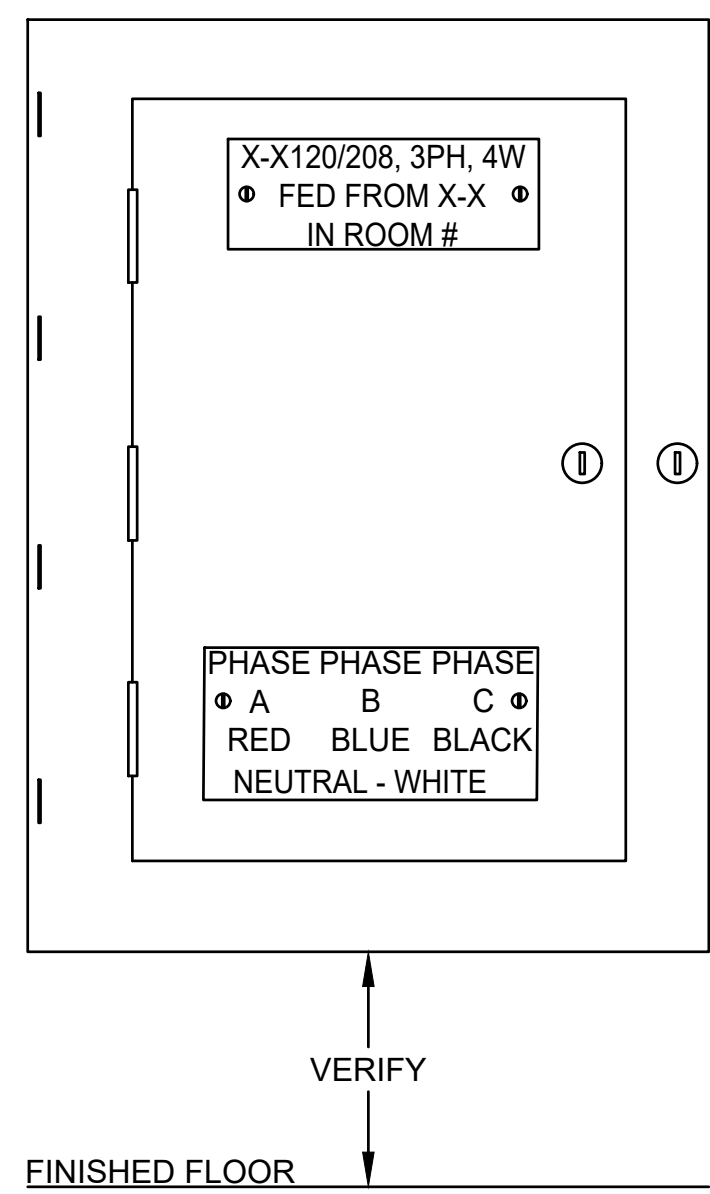
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C  
 B  
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1 2 3 4 5 6 7 8 9 10 11 12

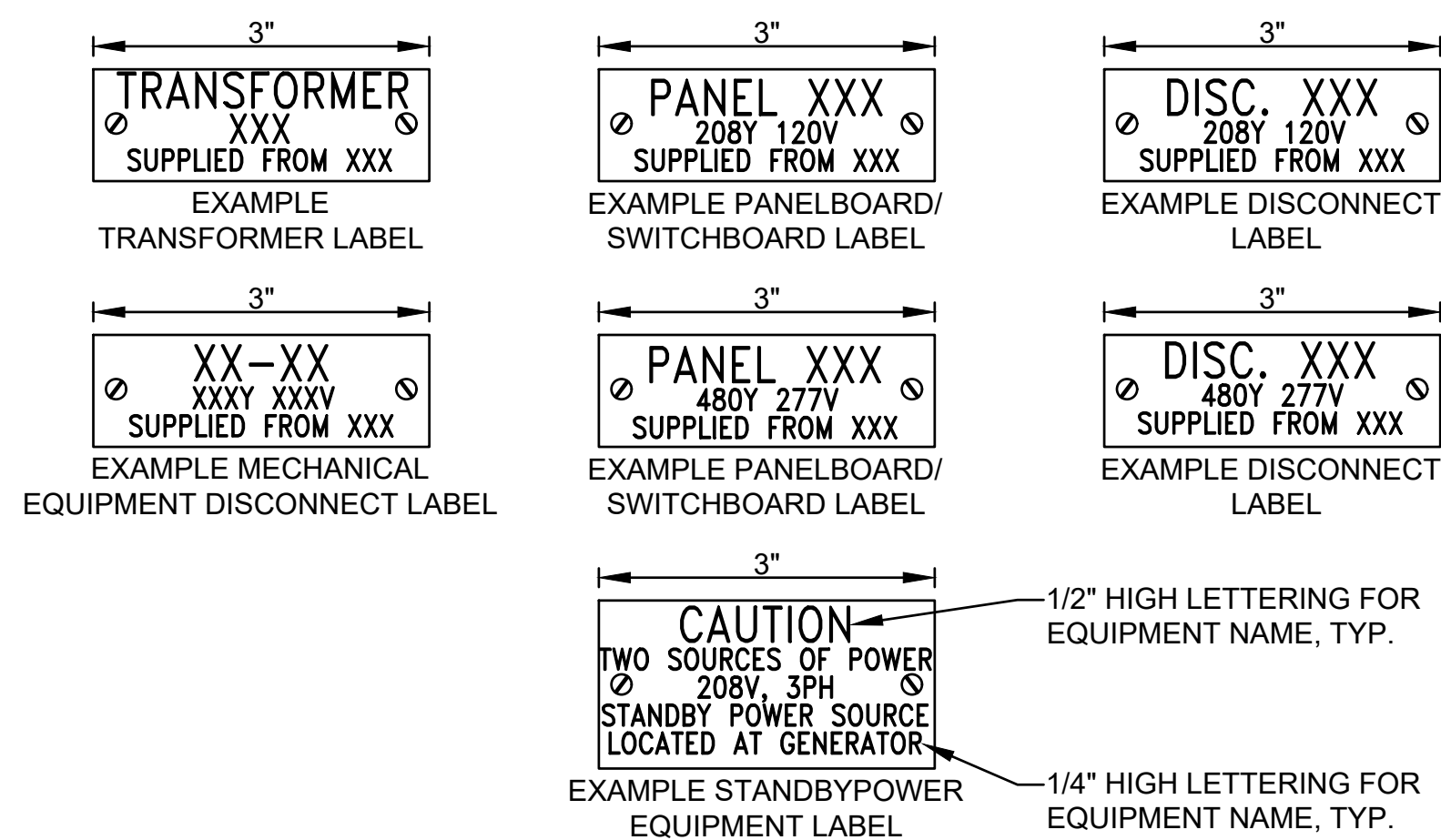






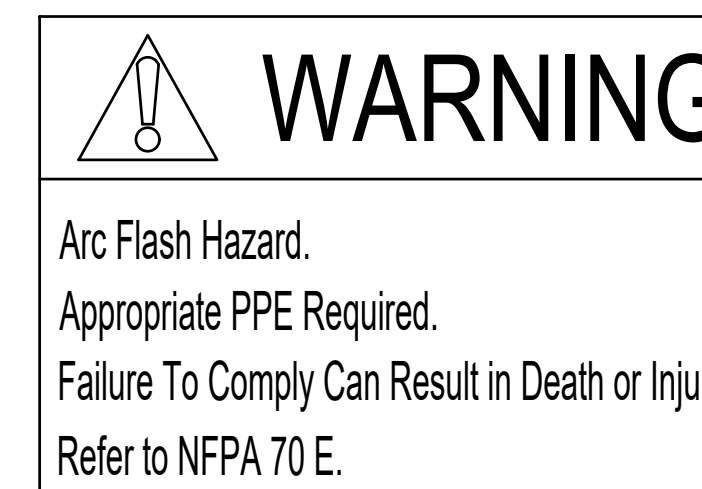
NOTES:  
1. ADJUST AS REQUIRED FOR PROJECT VOLTAGE.

**1** PANELBOARD INSTALLATION & NAME PLATE DETAIL  
E5.01 DIAGRAMMATIC



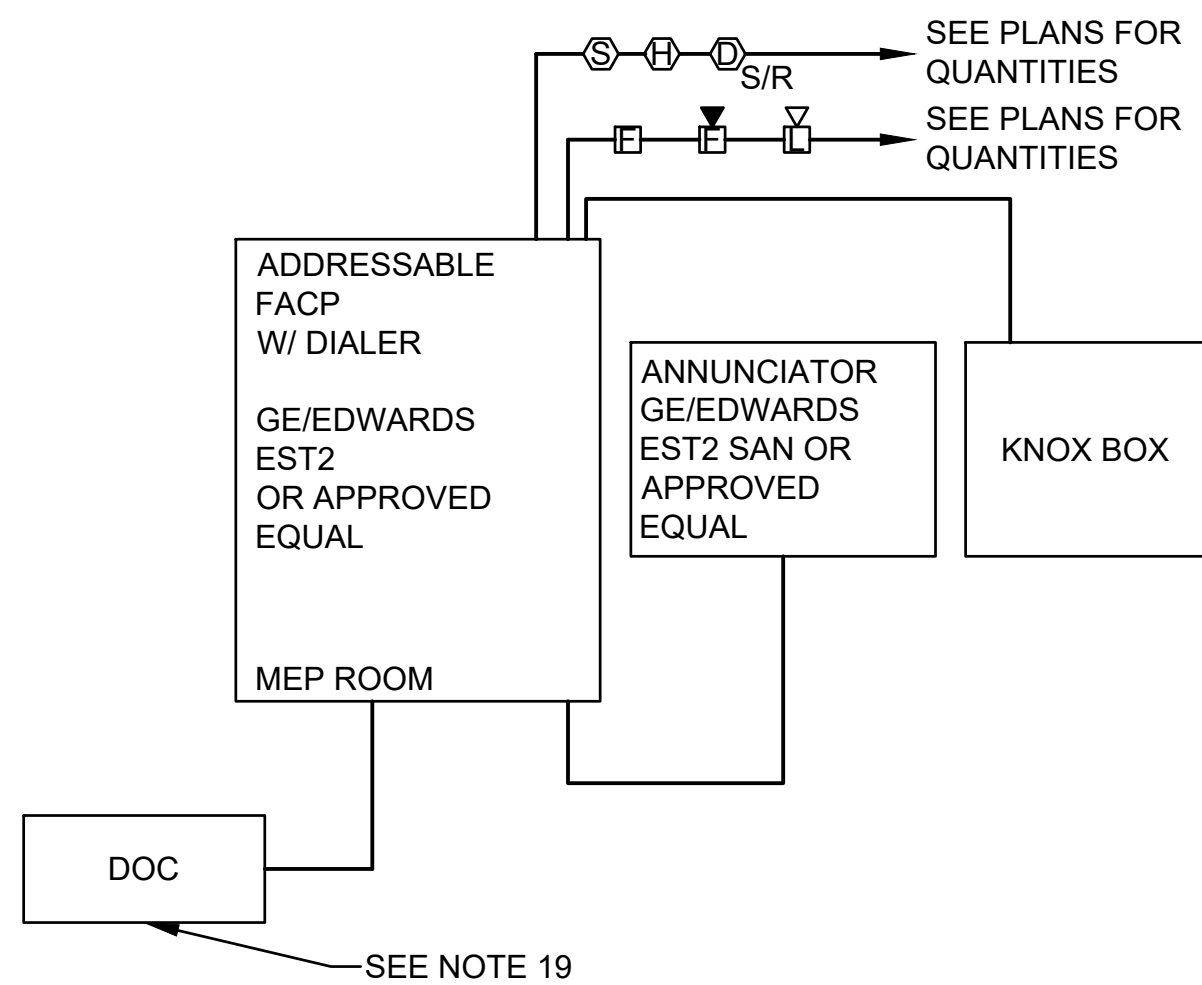
**2** TYPICAL EQUIPMENT LABELING DETAIL  
E5.01 DIAGRAMMATIC

NOTES:  
1. ENGRAVED PLASTIC TAG WITH WHITE LETTERS ON BLACK BACKGROUND (RED BACKGROUND FOR EMERGENCY EQUIPMENT). TAG SHALL HAVE ALL EDGES BEVELED AND SMOOTH. SECURE TAG WITH 2 CHROME (STAINLESS STEEL FOR WET OR DAMP LOCATIONS) SCREWS.  
2. MINIMUM EQUIPMENT LABEL SIZE MUST BE LARGE ENOUGH TO ACCOMMODATE ALL TEXT.



**3** ARC FLASH WARNING LABEL  
E5.01 DIAGRAMMATIC

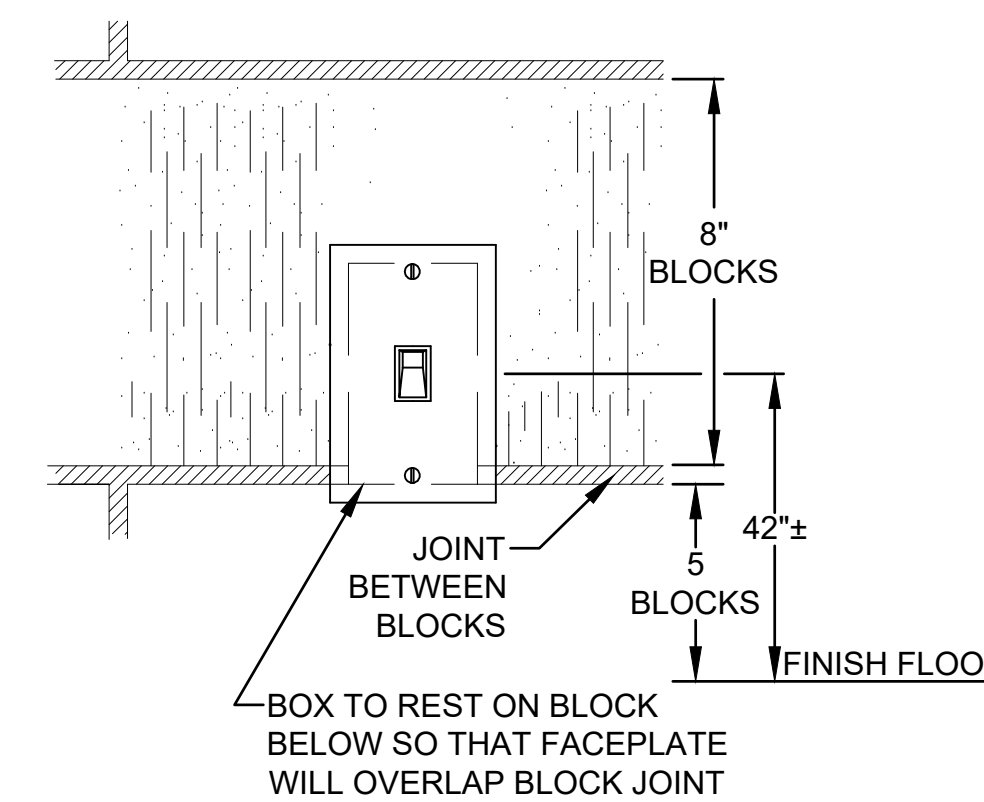
NOTES:  
1. PROVIDE SELF-ADHESIVE VINYL LABEL TO AFFIX TO ELECTRICAL EQUIPMENT TO WARN OF ARC FLASH HAZARDS.  
2. THE LABEL FORMAT, SIZE, AND TEXT SHALL BE IN ACCORDANCE WITH OSHA AND NFPA 72 REQUIREMENTS.  
3. THE LABEL SHALL BE LOCATED ON THE EQUIPMENT TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF THE EQUIPMENT.



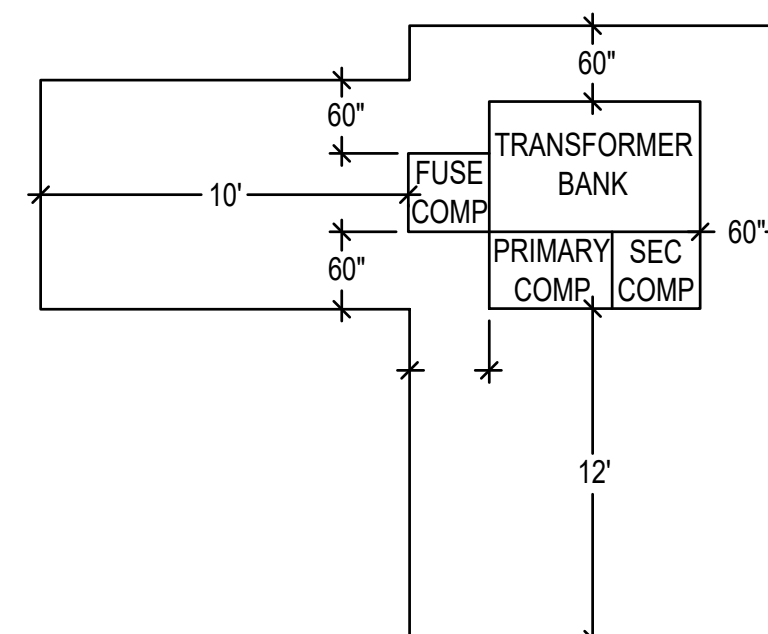
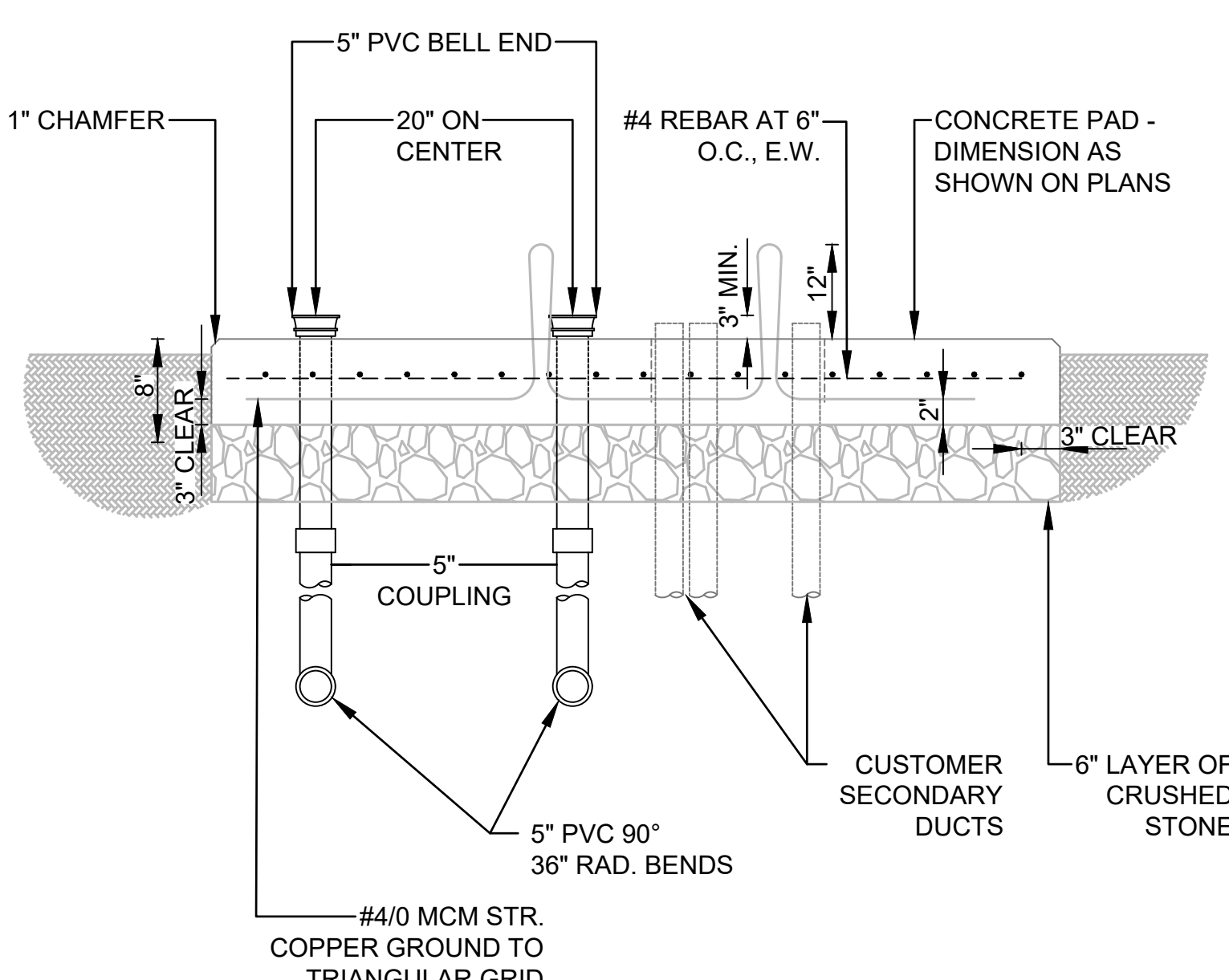
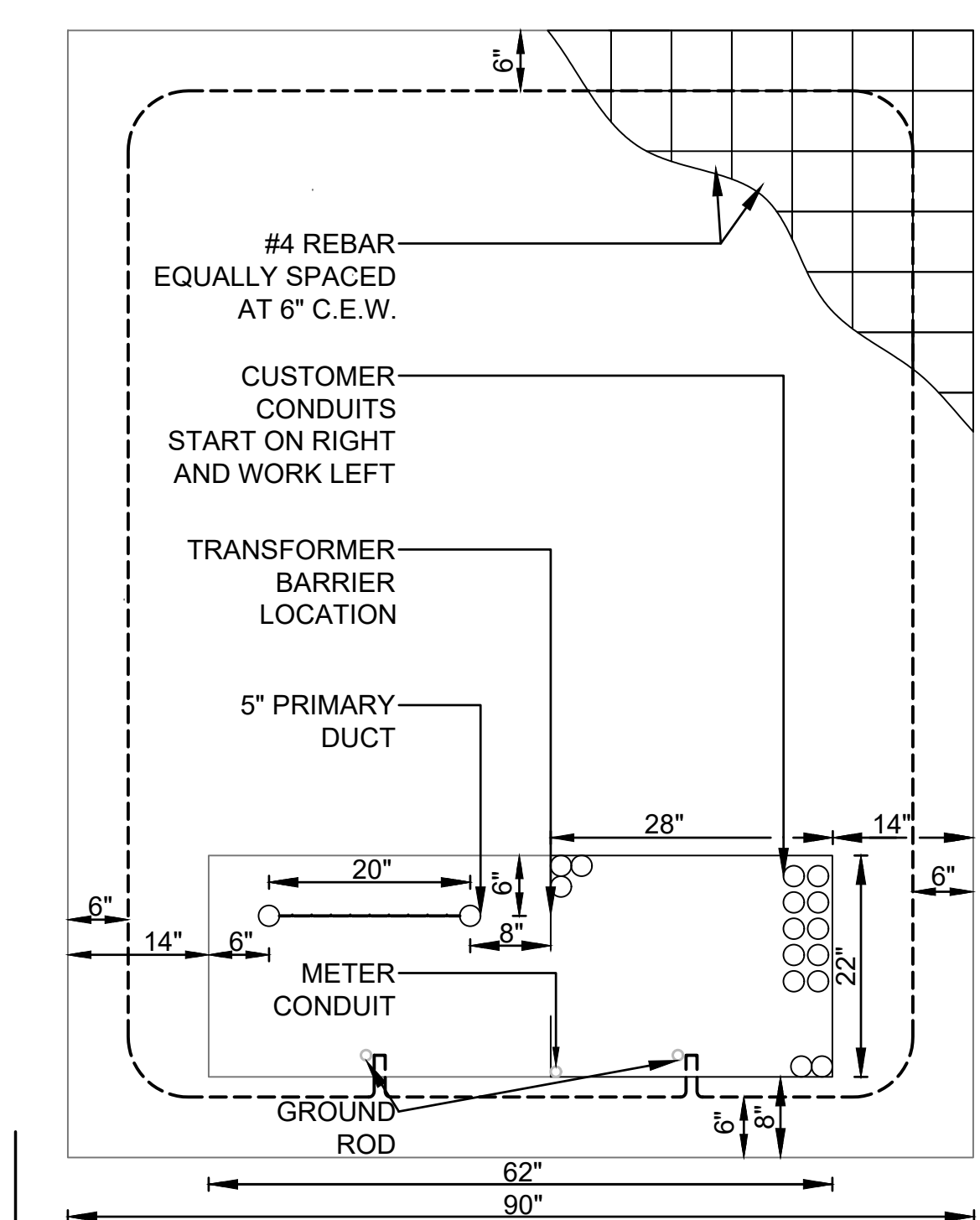
**4** FIRE ALARM RISER DIAGRAM  
E5.01 DIAGRAMMATIC

**FIRE ALARM SYSTEM NOTES:**

- THE FIRE ALARM SYSTEM SHALL BE A COMPLETE SUPERVISED DETECTION AND ALARM SYSTEM. PROVIDE PRIMARY POWER CIRCUITS, ALARM NOTIFICATION DEVICES, AND EQUIPMENT, AND INITIATING CIRCUITS AND DEVICES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS. INSTALL SUCH THAT ALL DEVICES AND EQUIPMENT ARE ACCESSIBLE FOR VISUAL INSPECTION AND MAINTENANCE.
- INSTALLATION SHALL COMPLY WITH THE ADA, NEC, NFPA, AND UL.
- ALL SYSTEM ENCLOSURES, FRAMES, SURGE ARRESTORS, ETC., SHALL BE GROUNDED.
- A "CERTIFICATE OF COMPLETION" IN ACCORDANCE WITH NFPA72 SHALL BE FURNISHED PRIOR TO FINAL ACCEPTANCE.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND PROVIDING ALL FIRE ALARM DEVICE QUANTITIES FROM DRAWINGS (SEE NOTE 19).
- PROVIDE ADDITIONAL NOTIFICATION APPLIANCE CIRCUIT PANELS, AMPLIFIERS, POWER SUPPLIES, ETC. FOR FUTURE CAPACITY TO HAVE SYSTEM WORK CORRECTLY AS ONE SYSTEM.
- PROVIDE EMERGENCY BATTERIES CAPABLE OF RUNNING THE COMPLETE FIRE ALARM SYSTEM IN ALARM MODE. PER NFPA GUIDELINES AT A MINIMUM. BATTERIES SHALL BE SIZED TO HANDLE THE FUTURE CAPACITY.
- FIRE ALARM SYSTEM SHALL BE MONITORED BY AN APPROVED SUPERVISING STATION IN ACCORDANCE WITH NFPA 72.
- ALL WIRING TO BE IN CONDUIT SIZED IN ACCORDANCE WITH NEC. WITH A MINIMUM SIZE OF 3/4".
- PROVIDE ALL FIRE ALARM JUNCTION BOXES WITH RED COVERS.
- FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR PROVIDING SIGNAL LINE BOOSTERS AS REQUIRED FOR SYSTEM TO FUNCTION PROPERLY.
- PROVIDE TVSS PROTECTION FOR ALL INCOMING SERVICES (OWNER PROVIDED TELEPHONE, ETC.) TO ALL FIRE ALARM PANELS. ANY CIRCUITS LEAVING BUILDING SHALL HAVE TVSS PROTECTION.
- PROVIDE CONNECTION TO TELEPHONE SYSTEM FOR AUTO-DIALER FOR EMERGENCY NOTIFICATION. CONTRACTOR WILL COORDINATE WITH OWNER TO ENSURE OWNER HAS PROVIDED NECESSARY CONNECTION TO TELEPHONE SYSTEM. CONTRACTOR SHALL ENSURE THAT THE FIRE ALARM SYSTEM IS FULLY FUNCTIONAL PRIOR TO LIFE SAFETY AND FINAL INSPECTIONS.
- ALL FIRE ALARM SYSTEM SUBMITTALS MUST BE SUBMITTED FOR APPROVAL BY LOCAL AHJ. ANY AND ALL COMMENTS MUST BE INCLUDED WITH SUBMITTAL TO ENGINEER'S OFFICE FOR REVIEW.
- CONTRACTOR SHALL PROVIDE FIRE ALARM SHOP DRAWINGS TO INCLUDE THE FOLLOWING PER NFPA 72.
  - INDICATE TYPE OF BUILDING CONSTRUCTION AND OCCUPANCY.
  - INDICATE TYPE OF FIRE ALARM SYSTEM, FIRE ALARM DEVICES, AND AREA OF COVERAGE.
  - INDICATE ALL FIRE ALARM DEVICES AND EQUIPMENT ON PLANS AND WIRING DIAGRAMS. PROVIDE CALCULATIONS SHOWING SECONDARY SUPPLY AND VOLTAGE DROP, AND RESPONSE POINTS.
  - COMPLETE LIST OF DETECTION, EVACUATION SIGNALING, AND ANNUNCIATOR ZONES.
  - INDICATE CANDELA RATINGS FOR ALL VISUAL NOTIFICATION DEVICES.
  - COMPLETE LIST OF SAFETY CONTROL FUNCTIONS, SEQUENCE OF OPERATIONS, DETAILING ALL INPUTS AND OUTPUTS.
  - NOTE ON PLAN INDICATING THAT THE INSTALLATION SHALL BE CERTIFIED AND THE INSTALLATION SHALL BE PLACARDED.
  - PROVIDE OPERATING AND MAINTENANCE PROCEDURES TO INCLUDE A MINIMUM OF 4 HRS OF TRAINING BY FACTORY TRAINED TECHNICIAN.
  - CONTRACTOR TO PROVIDE IN THE BID A MINIMUM OF ADDITIONAL 2 PULL STATIONS, 2 HORN STROBES, 3 STROBES COMPLETE WITH 100' OF CONDUIT AND CABLE PER DEVICE FOR PLACEMENT PER THE DIRECTION OF THE AHJ. IF DEVICES NOT INSTALLED, SHALL BECOME OWNER'S ATTIC STOCK AND A CREDIT FOR LABOR WILL BE ISSUED.
  - PROVIDE ALLOWANCE FOR KNOX BOX CONNECTION. COORDINATE FINAL LOCATION WITH THE FIRE MARSHALL. REFER TO PLAN FOR NUMBER AND LOCATION AS APPROVED BY AHJ AND OWNER.
  - WITH EVERY SYSTEM, A DOCUMENT CABINET SHALL BE INSTALLED AT THE SYSTEM CONTROL UNIT OR AT ANOTHER APPROVED LOCATION AT THE PROTECTED PREMISES. ALL RECORD DOCUMENTATION SHALL BE STORED IN THE DOCUMENTATION CABINET. WHERE THE DOCUMENTATION CABINET IS NOT IN THE SAME LOCATION AS THE SYSTEM CONTROL UNITS, ITS LOCATION SHALL BE IDENTIFIED AT THE SYSTEM CONTROL UNIT. THE DOCUMENTATION CABINET SHALL BE PROMINENTLY LABELED "SYSTEM RECORD DOCUMENTS". THE CONTENTS OF THE CABINET SHALL BE ACCESSIBLE BY AUTHORIZED PERSONNEL ONLY.



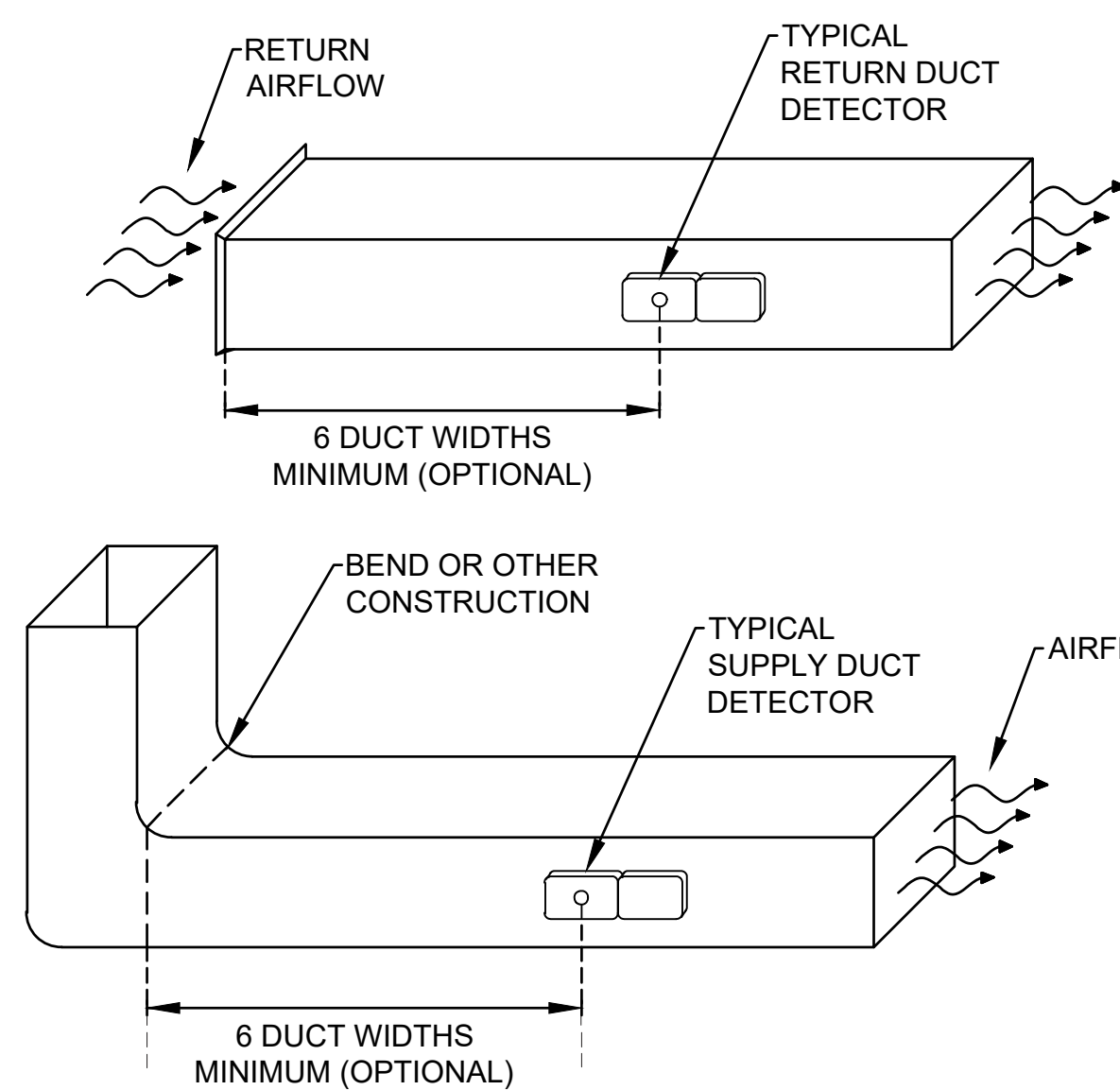
**5** SWITCH DETAIL FOR BLOCK INSTALLATION  
E5.01 DIAGRAMMATIC



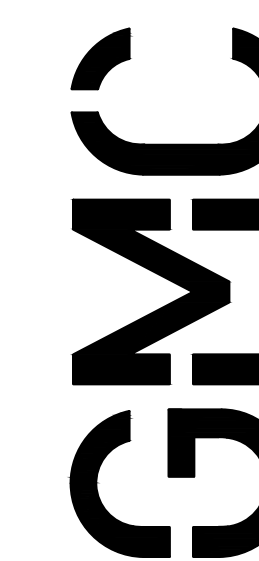
**MINIMUM CLEARANCE REQUIREMENTS**

**6** TRANSFORMER PAD PLAN/SECTION VIEW  
E5.01

NOT TO SCALE  
NOTES:  
1. CONCRETE SHALL BE 3000 PSI, UNLESS DIRECTED OTHERWISE BY UTILITY COMPANY.



**7** TYPICAL DUCT SMOKE DETECTOR PLACEMENT  
E5.01 DIAGRAMMATIC

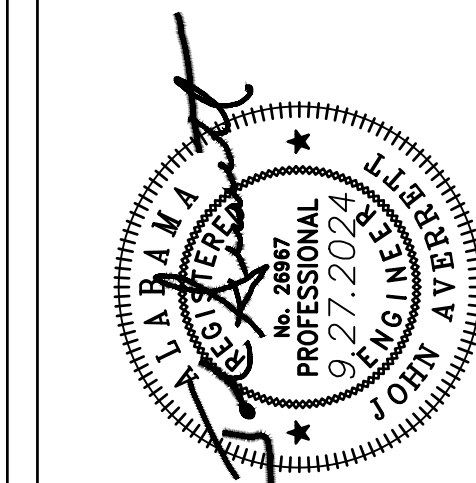


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DESIGNED BY:	JDZ
DRAWN BY:	BAJ/BJZ
CHECKED BY:	JEA

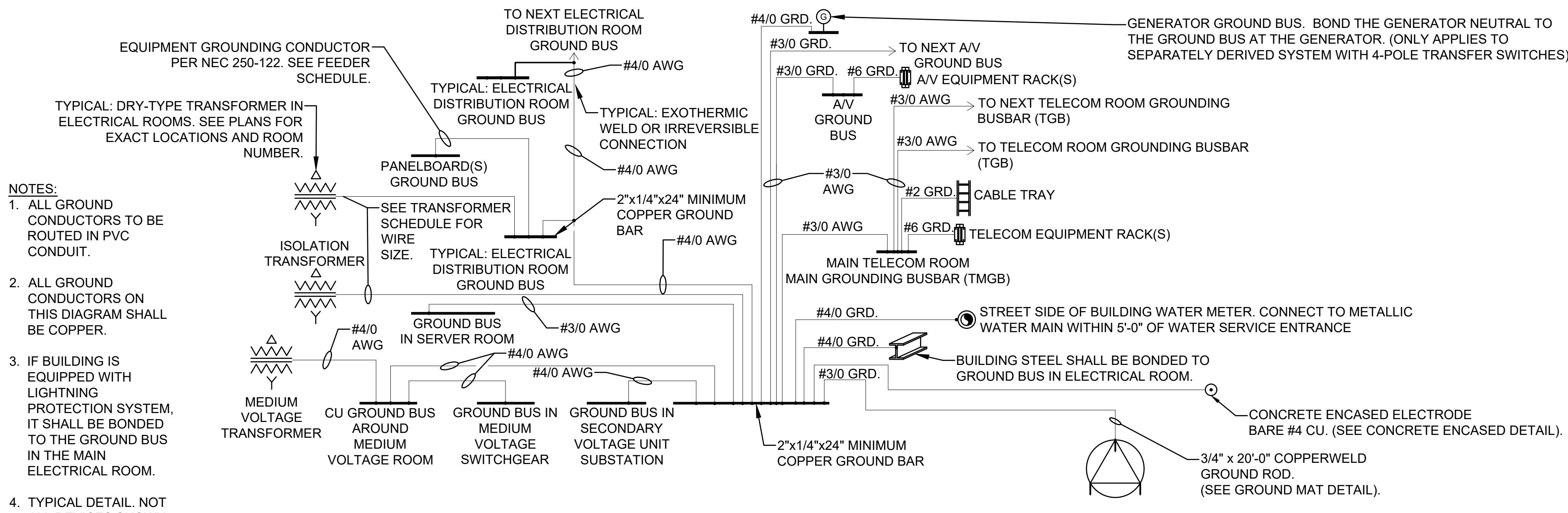
PERRY COUNTY WORKFORCE TRAINING FOR ITC PERRY COUNTY, ALABAMA

GMC Project #AMGM240006 CONSTRUCTION DRAWINGS

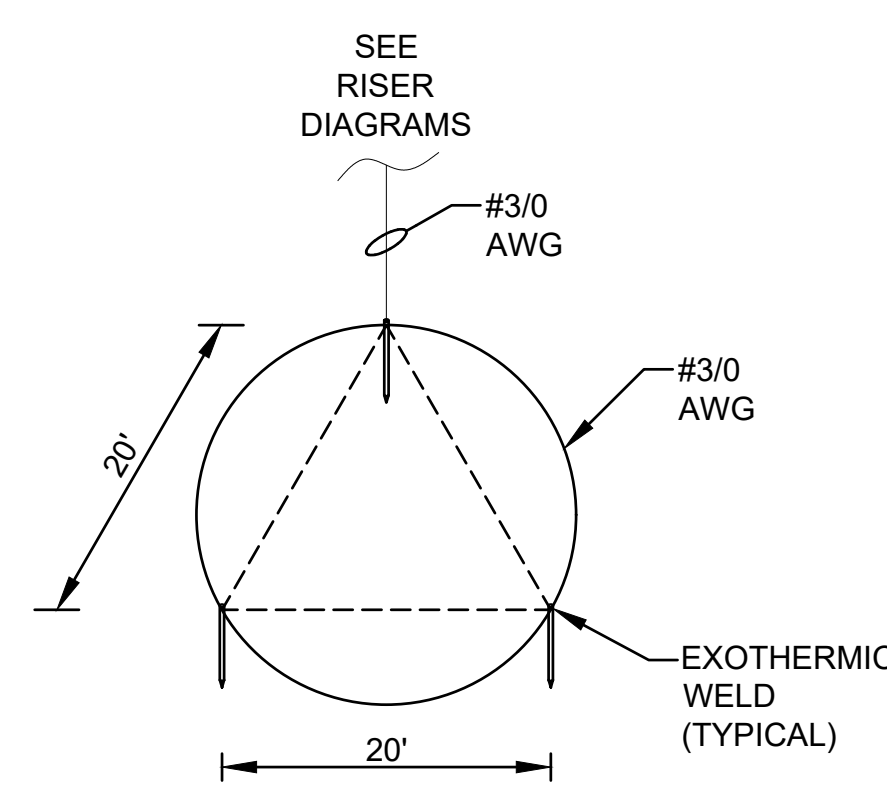


ELECTRICAL DETAILS

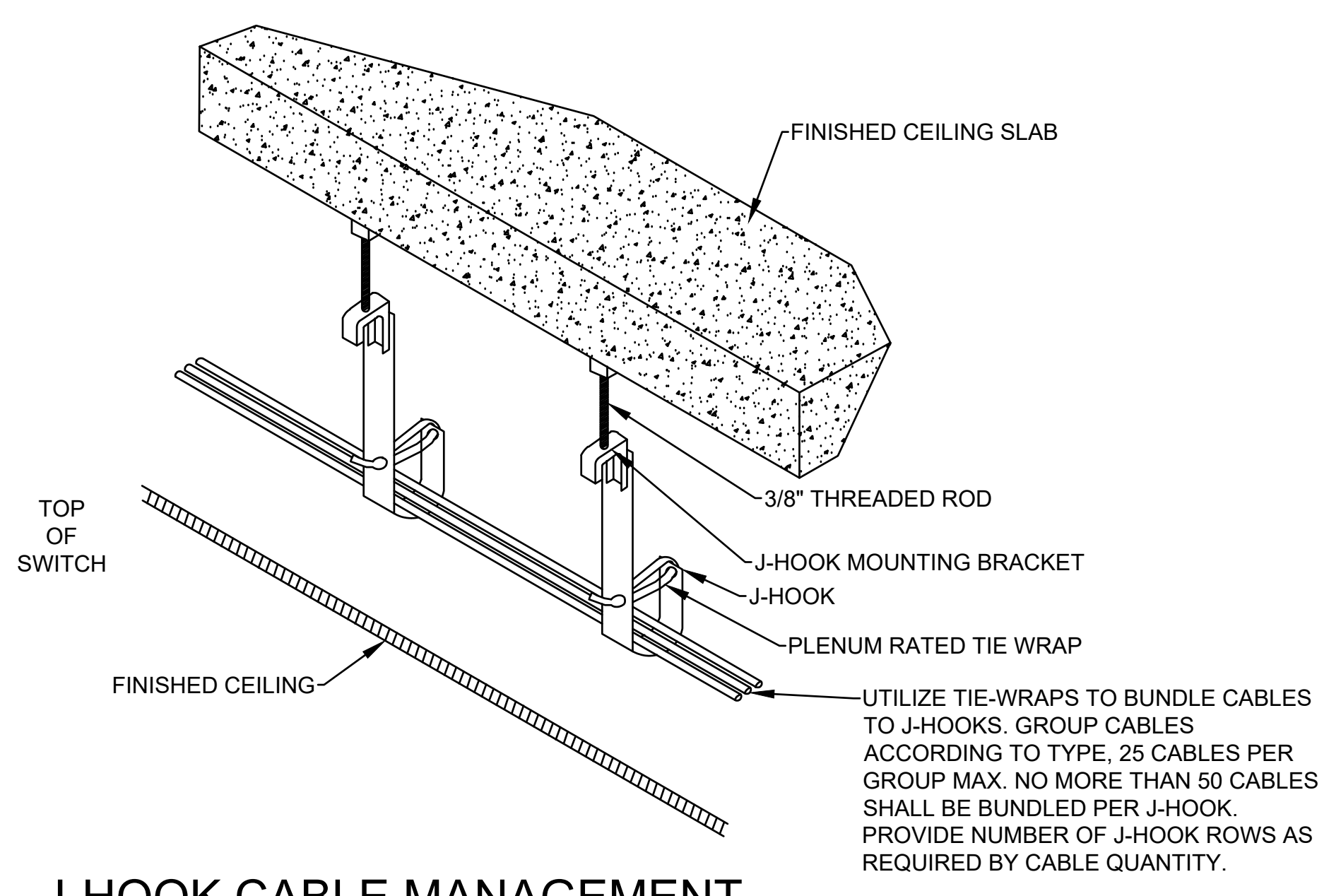
E5.01  
Sheet



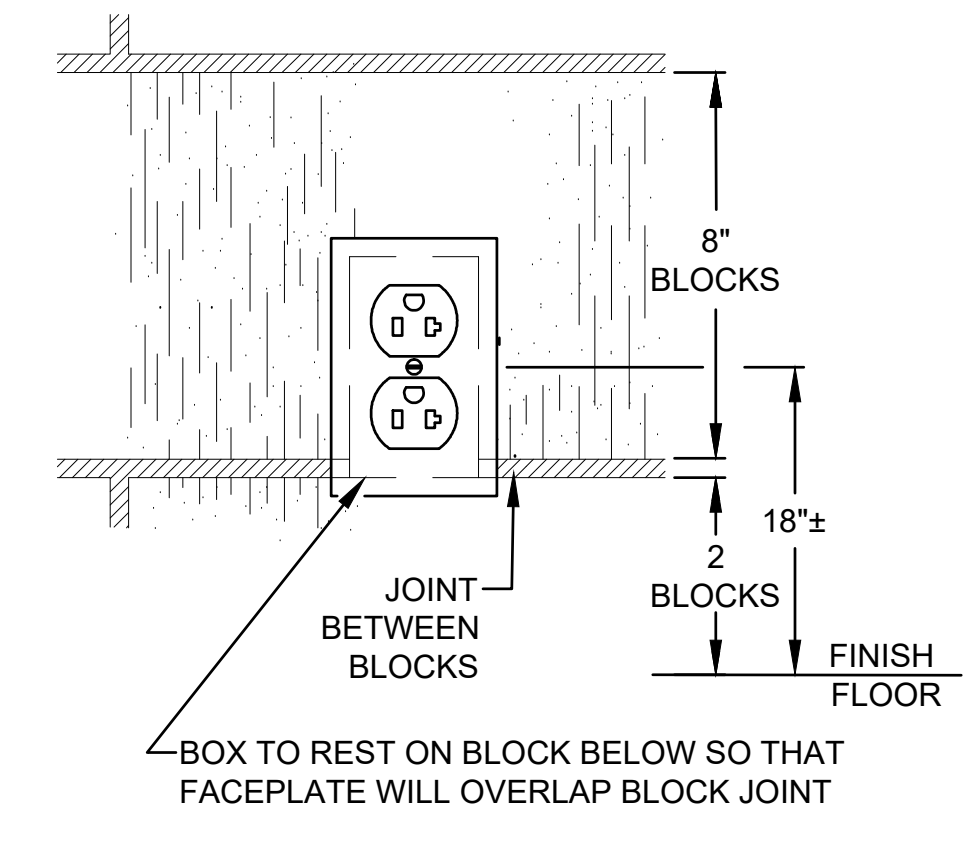
**1**  
E5.02  
**GROUNDING SYSTEM DETAIL**  
DIAGRAMMATIC



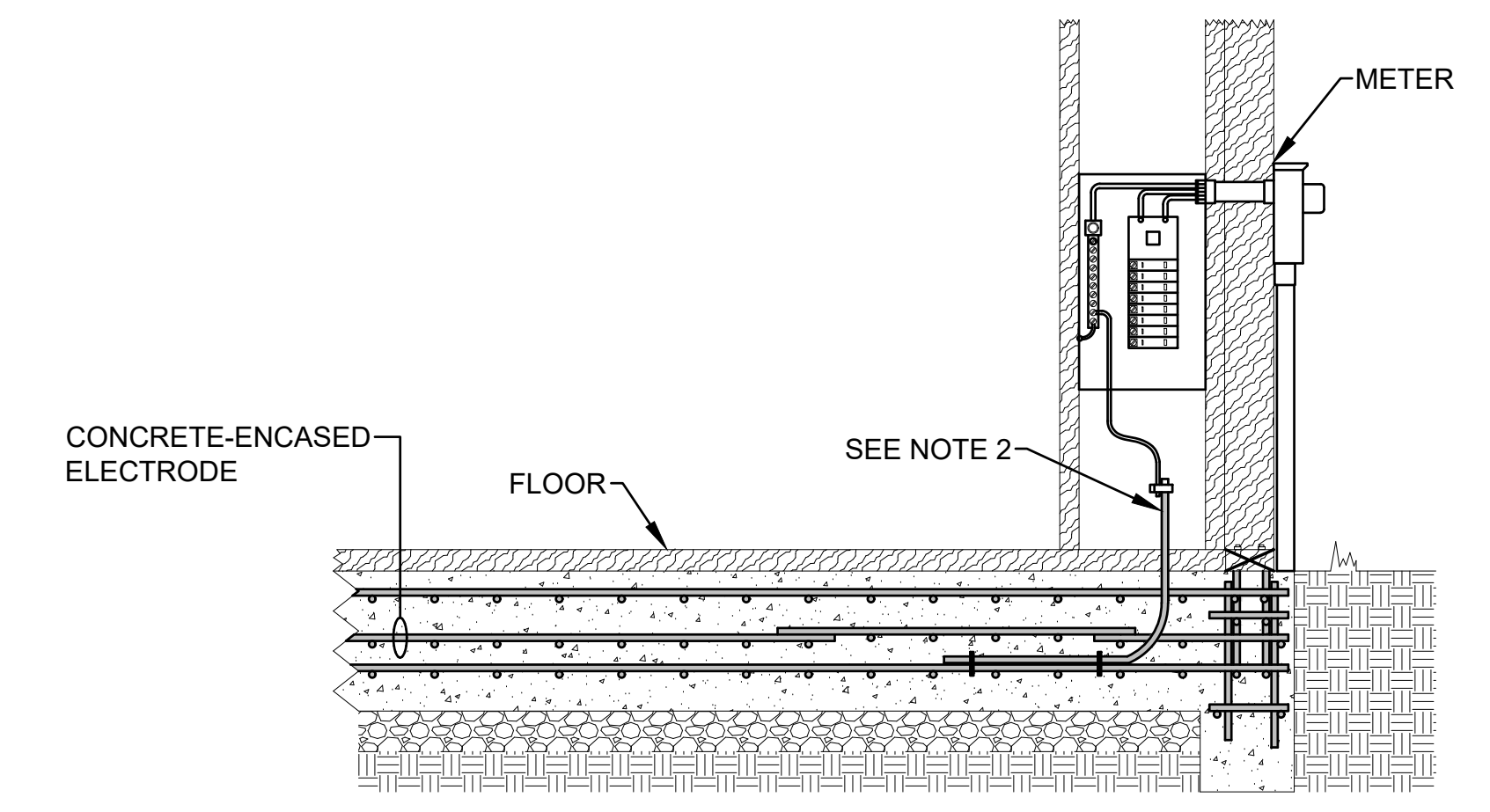
**2**  
E5.02  
**GROUND MAT DETAIL**  
DIAGRAMMATIC  
NOTES:  
1. ALL WIRE FOR GROUND MAT SHALL BE #3/0 AWG UNO.  
2. GROUND RODS SHALL BE 3/4" X 20' SECTIONAL COPPER GROUND RODS.  
3. ALL CONNECTIONS BETWEEN GROUND RODS AND GROUND CONDUCTORS SHALL BE EXOTHERMIC WELD.  
4. GROUND MAT SHALL BE INSTALLED 24" BELOW GRADE MINIMUM.  
5. IN ADDITION TO THE GROUND MAT, THE CONTRACTOR SHALL PROVIDE A COMPLETE GROUNDING SYSTEM IAW N.E.C. ARTICLE 250.



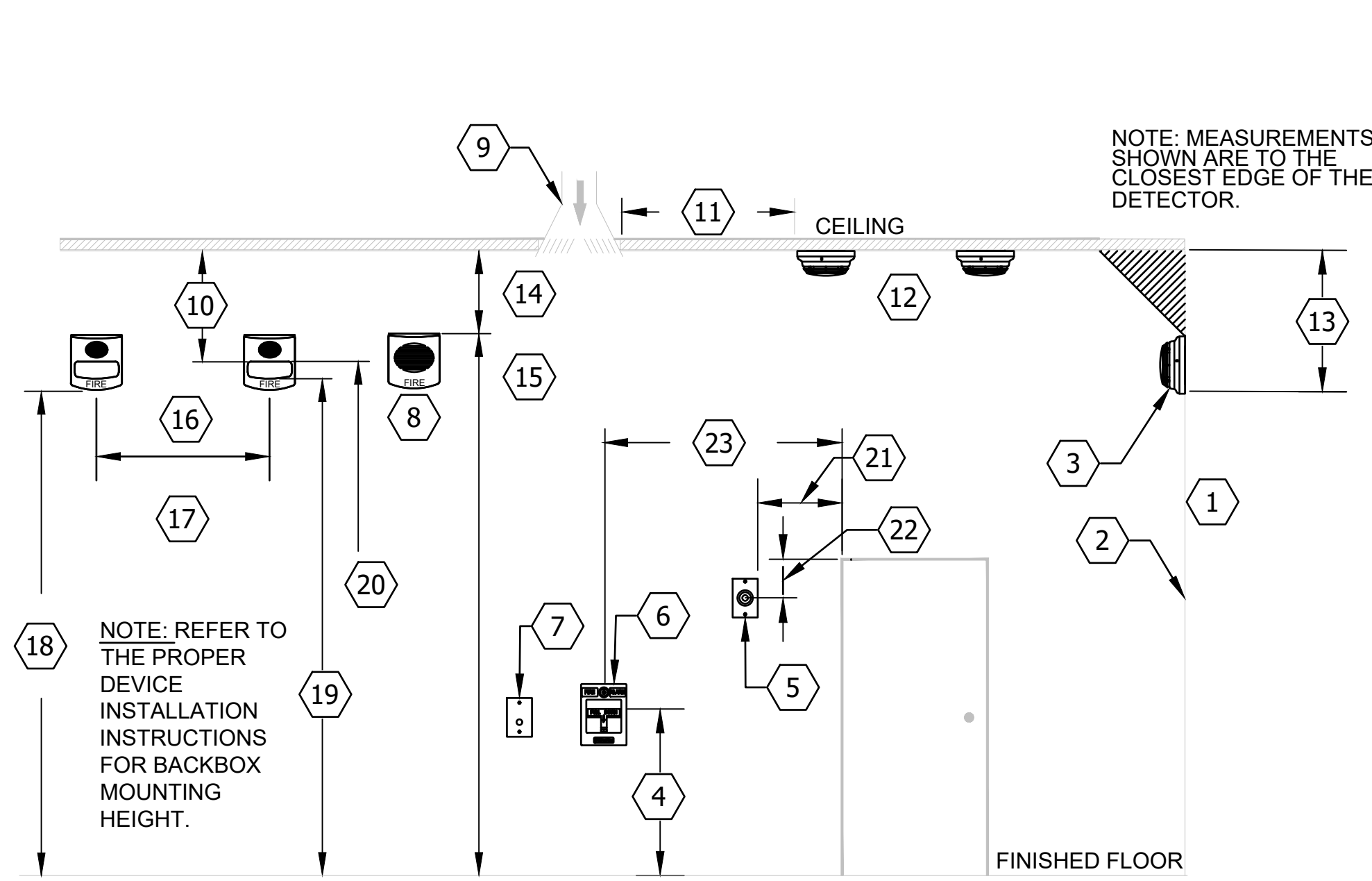
**3**  
E5.02  
**J-HOOK CABLE MANAGEMENT DETAIL (CEILING SLAB MOUNT)**  
DIAGRAMMATIC



**4**  
E5.02  
**RECEPTACLE DETAIL FOR BLOCK INSTALLATION**  
DIAGRAMMATIC



**5**  
E5.02  
**CONCRETE-ENCASED ELECTRODE EXTENSION**  
DIAGRAMMATIC  
NOTES:  
1. AN EXTENSION FROM A CONCRETE-ENCASED ELECTRODE IS RECOGNIZED FOR CONNECTION OF GROUNDING ELECTRODE CONDUCTORS.  
2. EXTENSION OR "STUB-UP" FROM A CONCRETE-ENCASED ELECTRODE.

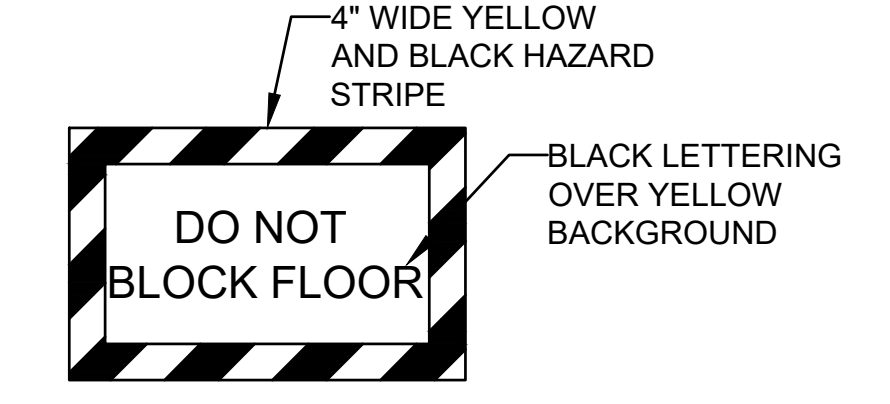


- KEYED NOTE: #**
- SIDE WALL.
  - FINISHED WALL
  - WALL MOUNTED SMOKE/HEAT DETECTOR.
  - 48" MAX (ADA/NFPA), 42" MINIMUM (NFPA). MEASUREMENTS SHOWN ARE TO TOP OF PULL HANDLE.
  - MAGNETIC DOOR HOLDER.
  - MANUAL PULL STATION.
  - FIRE PHONE JACK.
  - AUDIBLE ONLY.
  - A/C SUPPLY OR RETURN DIFFUSER.
  - NOTE: MEASUREMENTS SHOWN ARE TO THE CLOSEST EDGE OF THE DETECTOR.
  - 3" MINIMUM.
  - CEILING MOUNTED SMOKE/HEAT DETECTOR.
  - 12" MAX.
  - NFPA 72 AUDIBLE APPLIANCE 6" MINIMUM BELOW FINISHED CEILING.
  - 90" MINIMUM ABOVE FINISHED FLOOR (OTHER MOUNTING HEIGHTS SHALL BE PERMITTED BY THE AHJ PROVIDING IT MEETS THE SOUND LEVEL OUTPUT REQUIRED.)
  - AUDIBLE/VISUAL & VISUAL ONLY APPLIANCES.
  - SYNCHRONIZE MORE THAN TWO APPLIANCES IN ANY FIELD OF VIEW.
  - REF. 80" MINIMUM (IBC) REF. 96" MAX (IBC) ABOVE FINISHED FLOOR.
  - 80" MINIMUM (ADA) TO BOTTOM OF LENS.
  - 96" MAX (NFPA, ADA) ABOVE FINISHED FLOOR TO TOP OF LENS.
  - DOOR WIDTH, LESS 3".
  - 5".
  - TO EXIT DOOR 5' MAX.

**6**  
E5.02  
**DEVICE MOUNTING HEIGHT DETAIL (PER NFPA 72)**  
NOT TO SCALE

NOMINAL VOLTAGE TO GROUND	MINIMUM CLEAR DISTANCE		
	CONDITION 1	CONDITION 2	CONDITION 3
0-150	3'-0"	3'-0"	3'-0"
151-600	3'-0"	3'-6"	4'-0"

**NOTE:**  
WHERE THE CONDITIONS ARE AS FOLLOWS:  
CONDITION 1 - EXPOSED LIVE PARTS ON ONE SIDE OF THE WORKING SPACE AND NO LIVE OR GROUNDED PARTS ON THE OTHER SIDE OF THE WORKING SPACE, OR EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORKING SPACE THAT ARE EFFECTIVELY GUARDED BY INSULATING MATERIALS.  
CONDITION 2 - EXPOSED LIVE PARTS ON ONE SIDE OF THE WORKING SPACE AND GROUNDED PARTS ON THE OTHER SIDE OF THE WORKING SPACE. CONCRETE, BRICK, OR TILE WALLS SHALL BE CONSIDERED AS GROUNDED.  
CONDITION 3 - EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORKING SPACE.

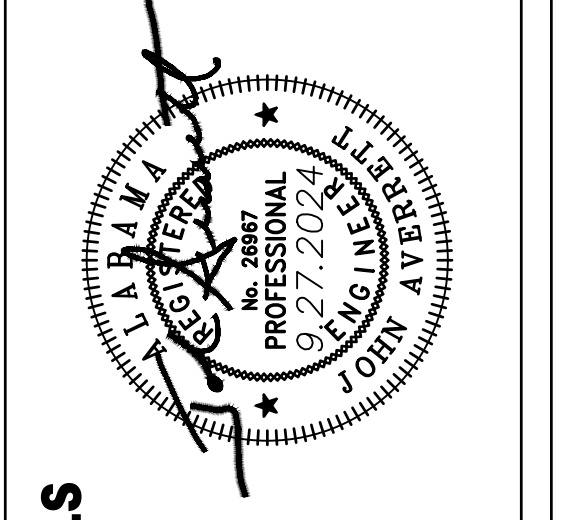


**7**  
E5.02  
**ELECTRICAL EQUIPMENT CLEARANCE MARKING**  
DIAGRAMMATIC  
NOTES:  
1. THIS DETAIL IS TYPICAL FOR ALL ELECTRICAL PANELS.

ISSUE DATE	ISSUE
FINAL SET: 09/27/2024	
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CHECKED BY: JBA	

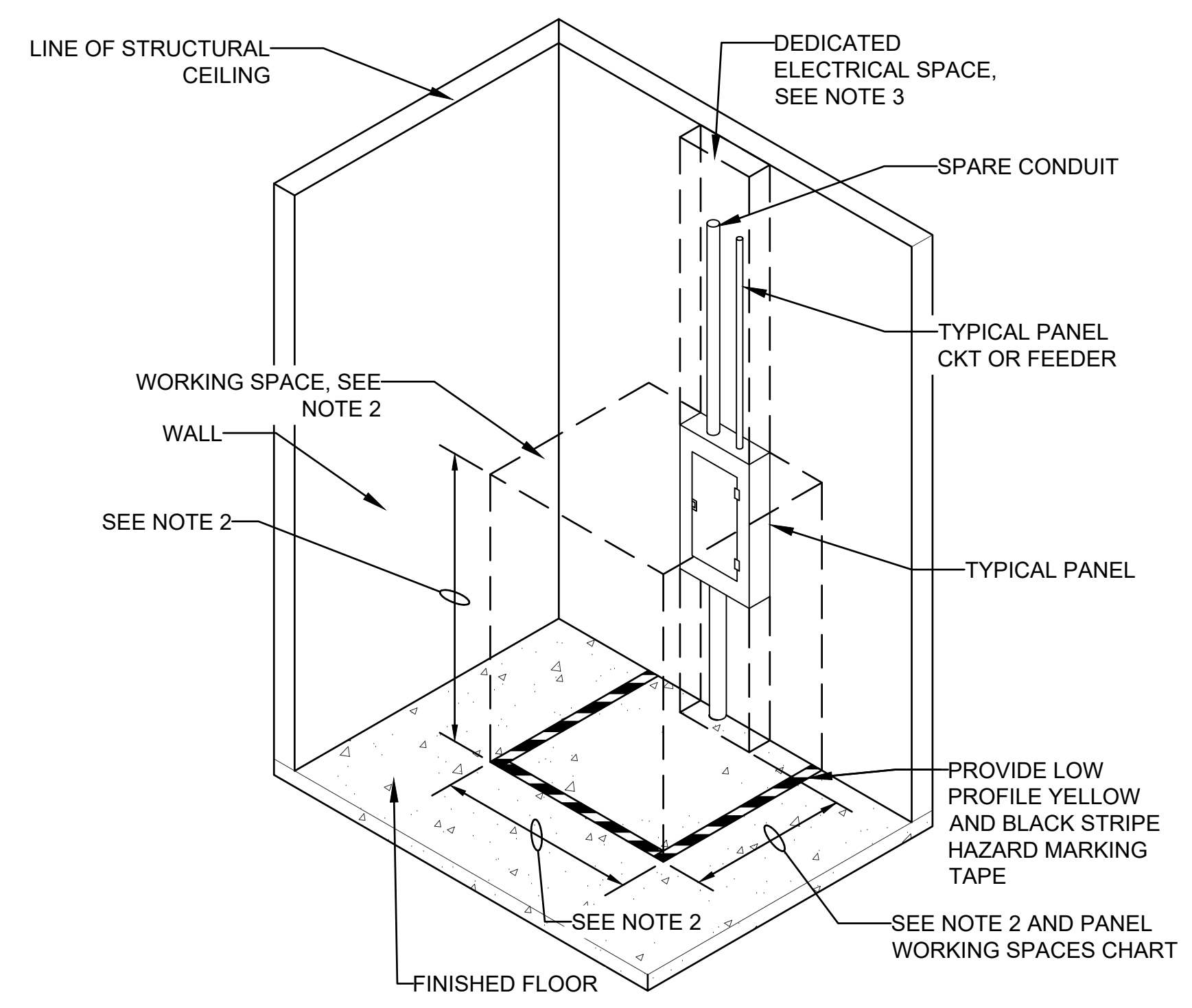
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PERRY COUNTY, ALABAMA

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**CONSTRUCTION DRAWINGS**

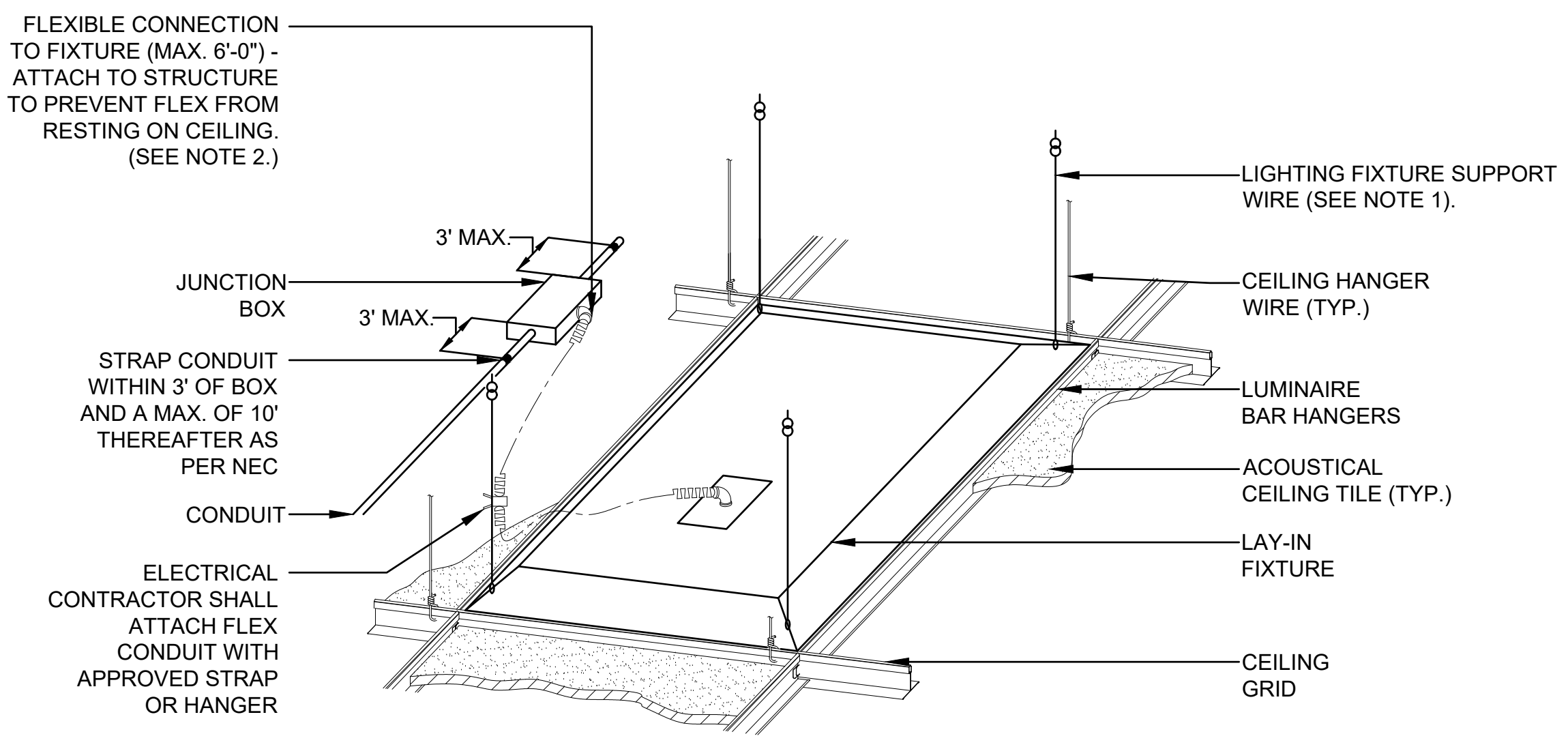


**ELECTRICAL DETAILS**

**E5.02**  
Sheet of

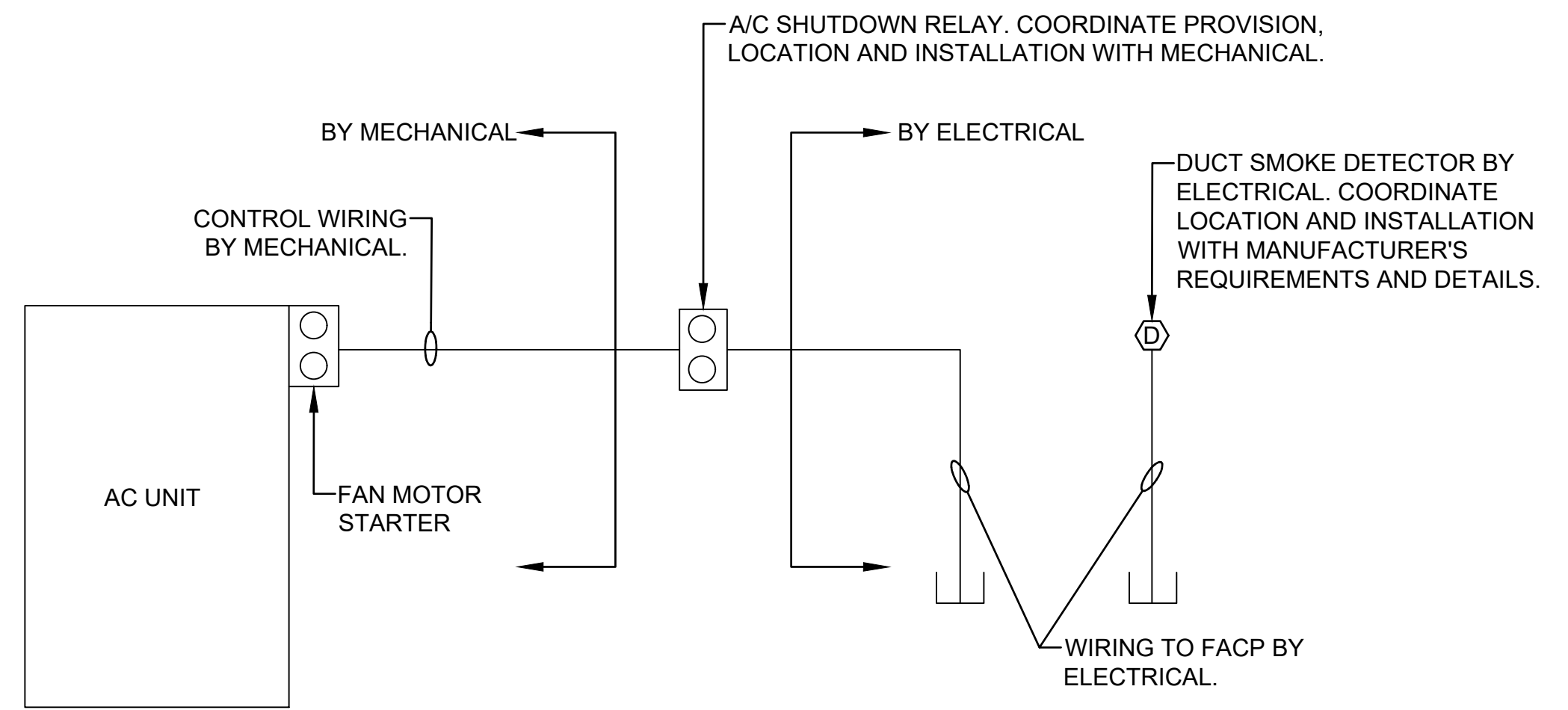


**1**  
E5.03  
**ELECTRICAL PANEL WORKING CLEARANCES**  
DIAGRAMMATIC

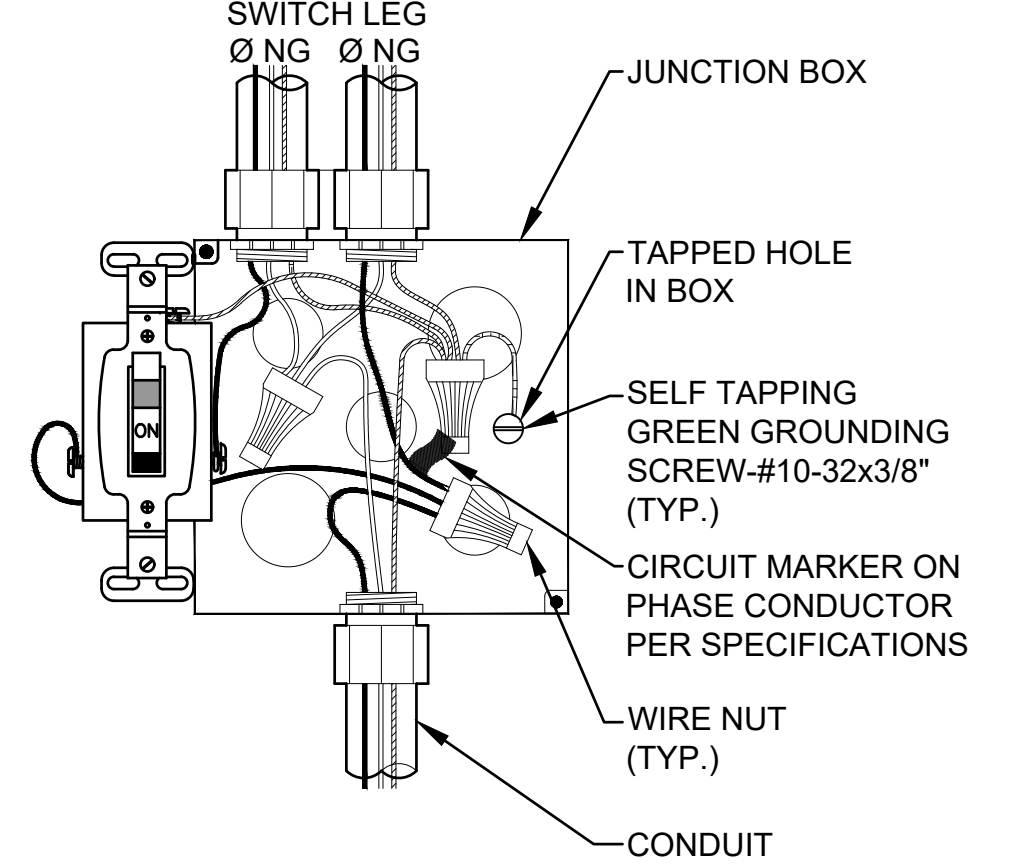


**2**  
E5.03  
**LAY-IN FIXTURE SUPPORT DETAIL**  
DIAGRAMMATIC

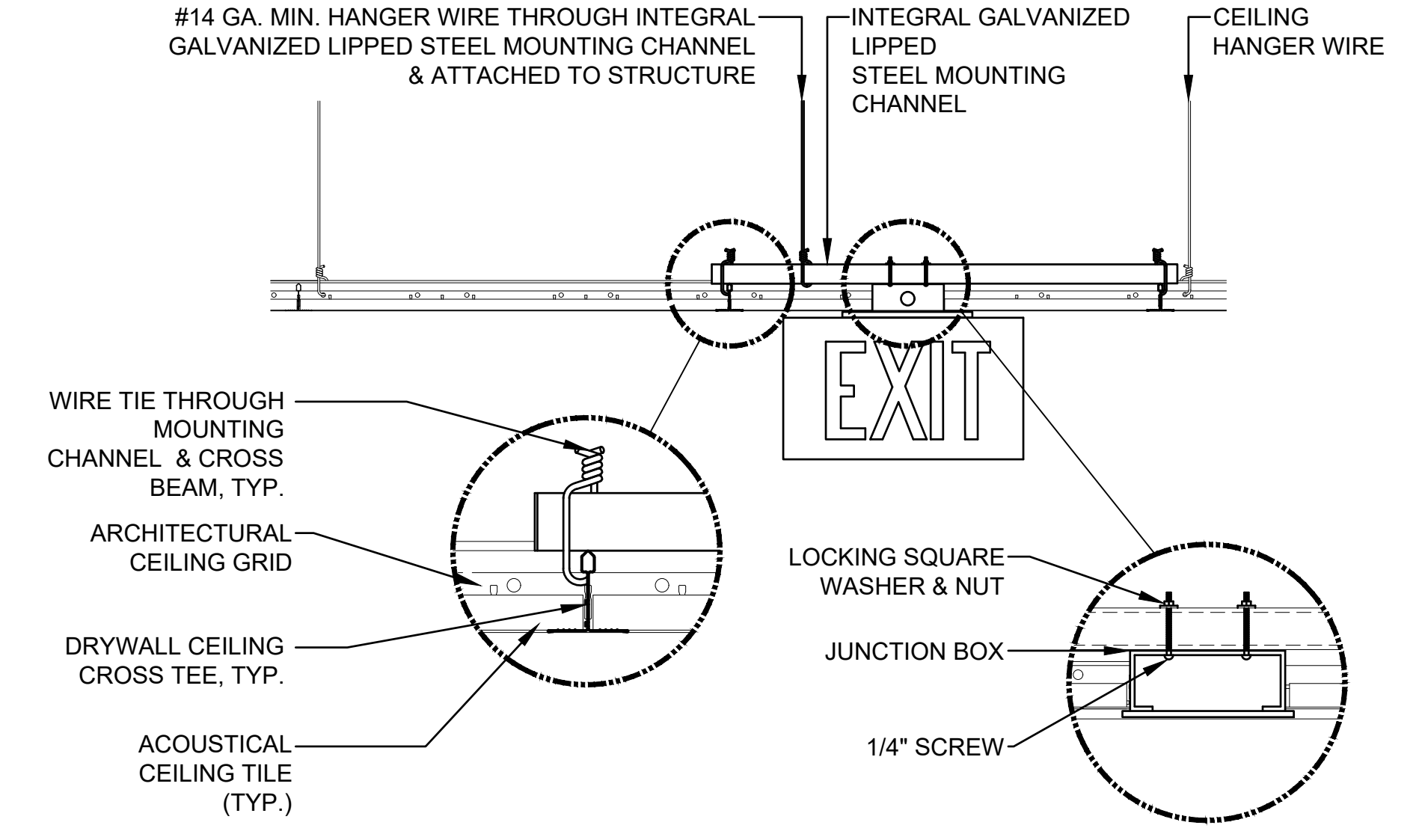
**NOTES:**  
1. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL LIGHTING FIXTURE HANGERS SEPARATE FROM CEILING SYSTEM HANGERS. LIGHTING FIXTURE SUPPORT WIRES SHALL BE ATTACHED TO STRUCTURAL MEMBERS SO THAT FIXTURE IS SUPPORTED INDEPENDENT OF CEILING. WIRE TO BE A MIN. OF #14 GAGE PRE-STRAIGHTENED GALV. ATTACH AT ALL 4 CORNERS.  
2. FLEX CONNECTOR SHALL BE PROPERLY SUPPORTED AND SHALL NOT BE IN CONTACT WITH OTHER MATERIAL IN CEILING SUCH AS DUCT WORK OR DUCT INSULATION.  
**GENERAL NOTE:**  
1. INDEPENDENT SUPPORT WIRES MUST BE MARKED (PAINTED) SO THAT THEY CAN BE DISTINGUISHABLE AS NON CEILING SUPPORT WIRES PER NEC.  
2. INDEPENDENT SUPPORT WIRES SHALL NOT HAVE AN ANGLE OF MORE THAN 45° FROM THE CEILING GRID.



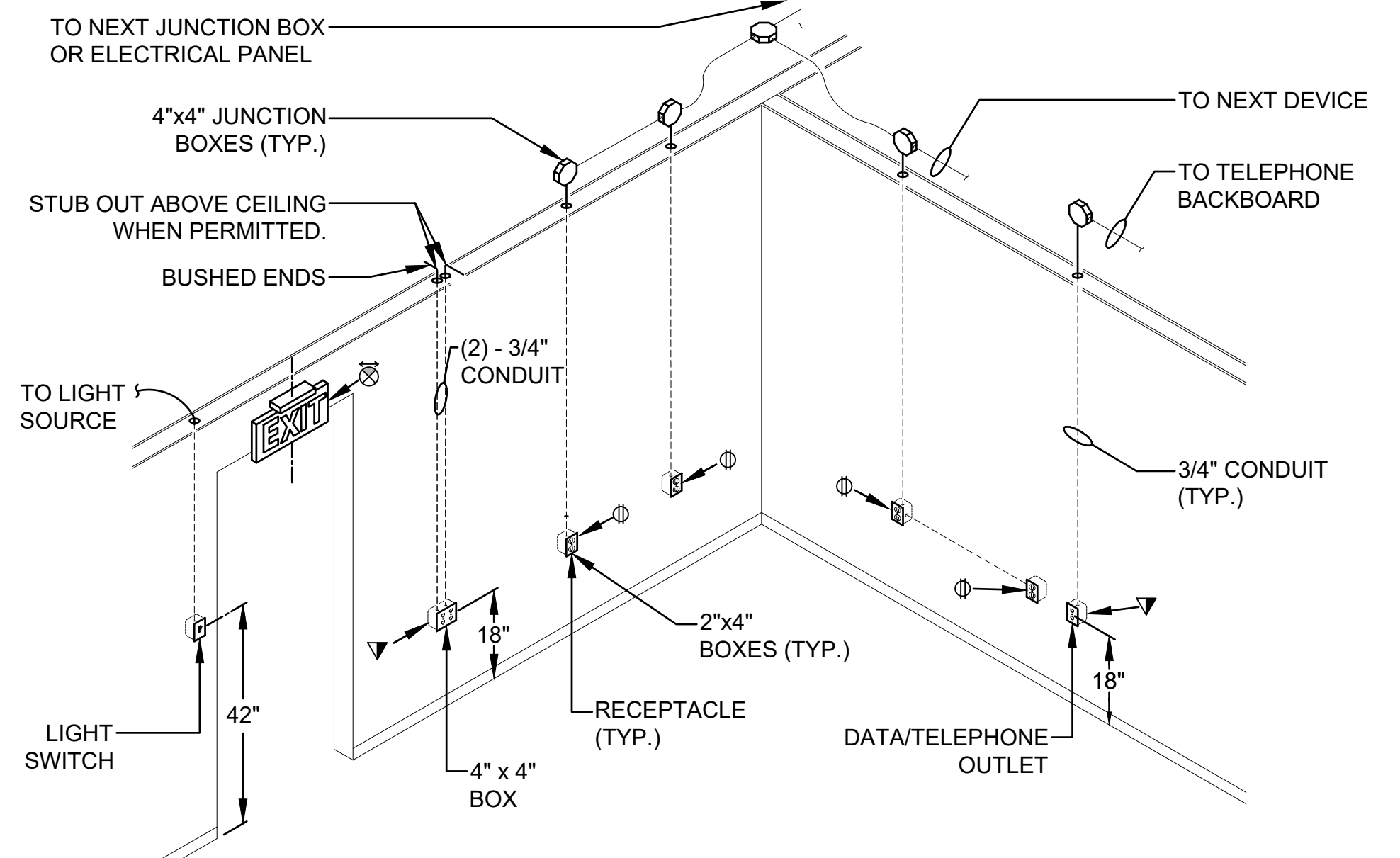
**3**  
E5.03  
**DUCT DETECTOR CONNECTION DETAIL (TYPICAL)**  
DIAGRAMMATIC



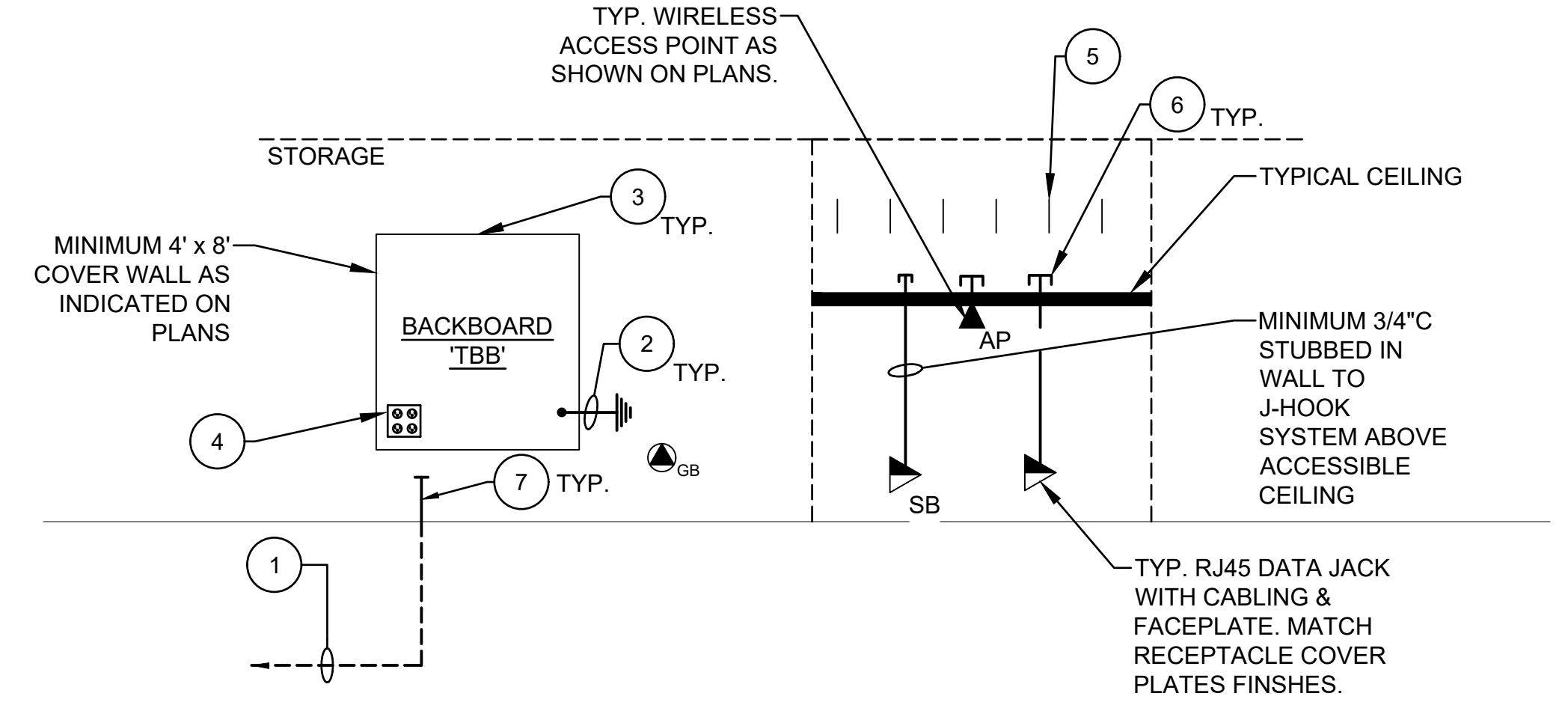
**4**  
E5.03  
**TYPICAL SWITCH WIRING DETAIL**  
DIAGRAMMATIC



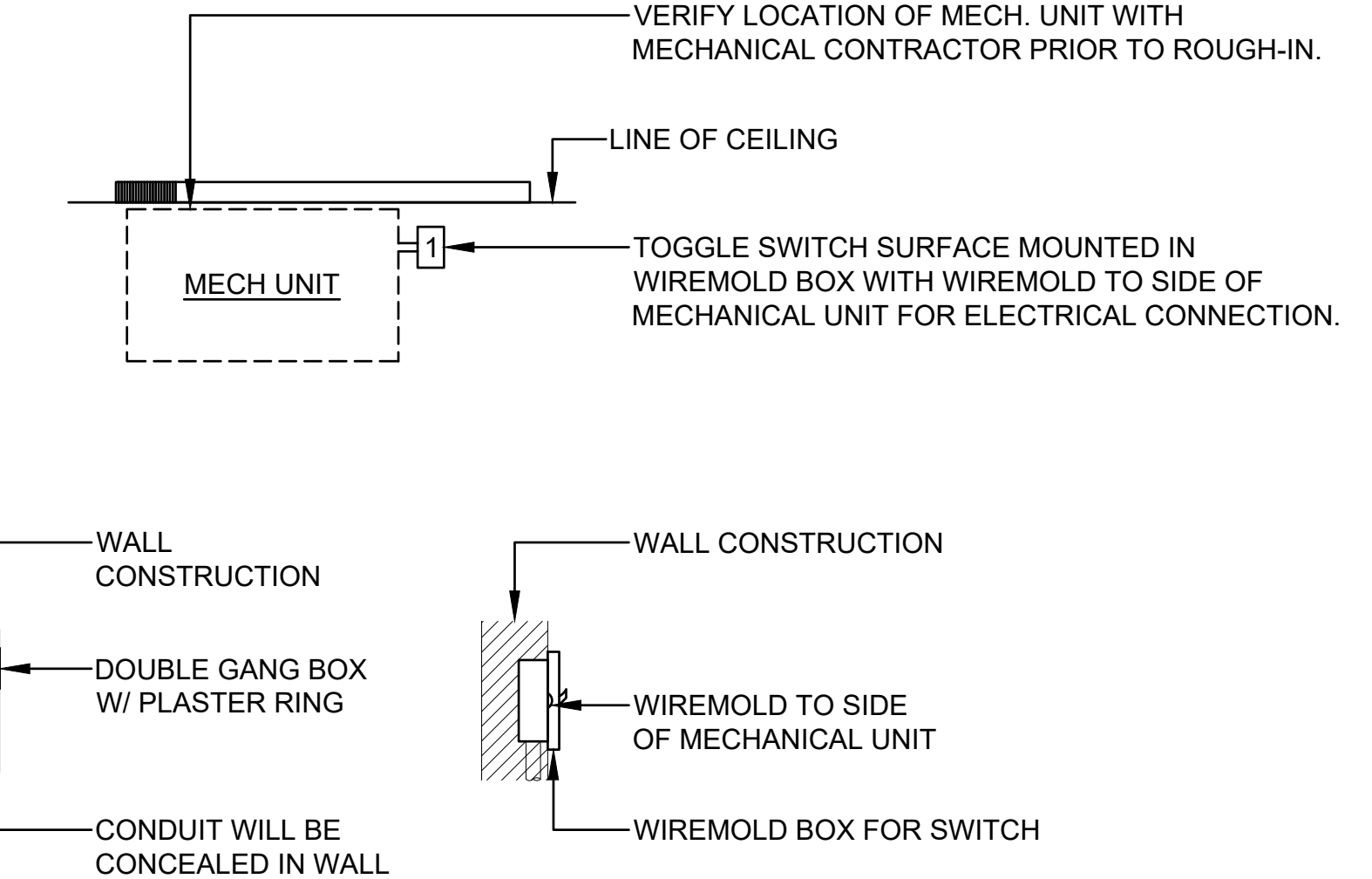
**5**  
E5.03  
**EXIT SIGN MOUNTING - LAY-IN CEILING**  
DIAGRAMMATIC



**6**  
E5.03  
**GENERAL WALL INSTALLATION DETAIL**  
DIAGRAMMATIC  
**NOTES:**  
1. EXIT SIGN SHALL BE CEILING MOUNTED (E-203/4) ON CENTERLINE OF DOOR REGARDLESS OF CEILING GRID.



**7**  
E5.03  
**TELE/COM RISER DIAGRAM**  
NOT TO SCALE  
**RISER DIAGRAM KEYED AND GENERAL NOTES**  
1. INCOMING TELEPHONE/DATA SERVICE - COORDINATE PROPERTY TERMINATION POINT WITH OWNER. TWO 4" CONDUIT.  
2. SEE TELECOM GROUNDING RISER DIAGRAM FOR ADDITIONAL REQUIREMENTS FOR GROUNDING.  
3. FIRE RETARDANT PLYWOOD BACKBOARD - PAINTED WITH 2 COATS OF FIRE RETARDANT PAINT ON BOTH SIDES AND ALL EDGES.  
4. QUAD NEMA 5-20 RECEPTACLE. MOUNT AT BOTTOM OF BACKBOARD. SEE PLANS FOR QUANTITIES.  
5. PROVIDE A J-HOOK SYSTEM. LOCATE ABOVE CEILING WITH MINIMUM SPACING OF 36" ON CENTER. ROUTING SHALL BE FROM TELE/DATA OUTLETS SHOWN ON THE PLANS BACK TO TELEPHONE BACKBOARD.  
6. STUB UP 6" ABOVE CEILING WITH BUSHING.  
7. TYPICAL, CONDUIT STUB UP SHALL BE A MINIMUM OF 6" ABOVE FINISHED FLOOR.

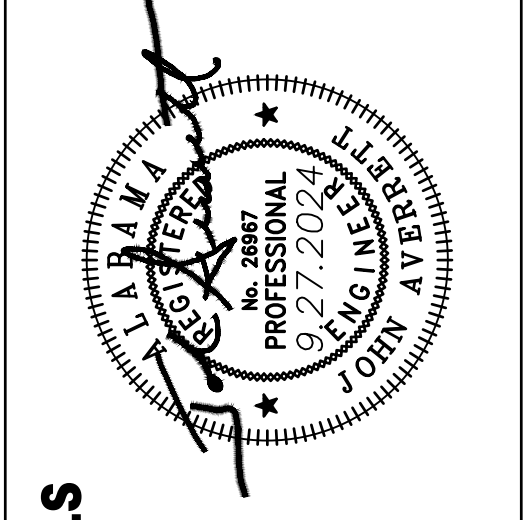


**8**  
E5.03  
**MINI-SPLIT CONNECTION DETAIL**  
DIAGRAMMATIC  
**NOTES:**  
1. CONNECTION TO OUTDOOR AS REQUIRED BY MANUFACTURER WILL BE ROUTED SO THAT IT IS CONCEALED.

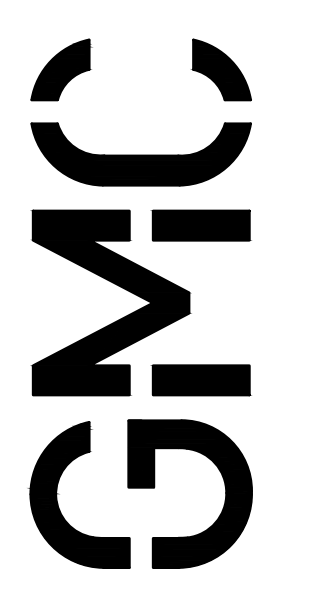
ISSUE DATE	FINAL SET
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CHECKED BY: JBA

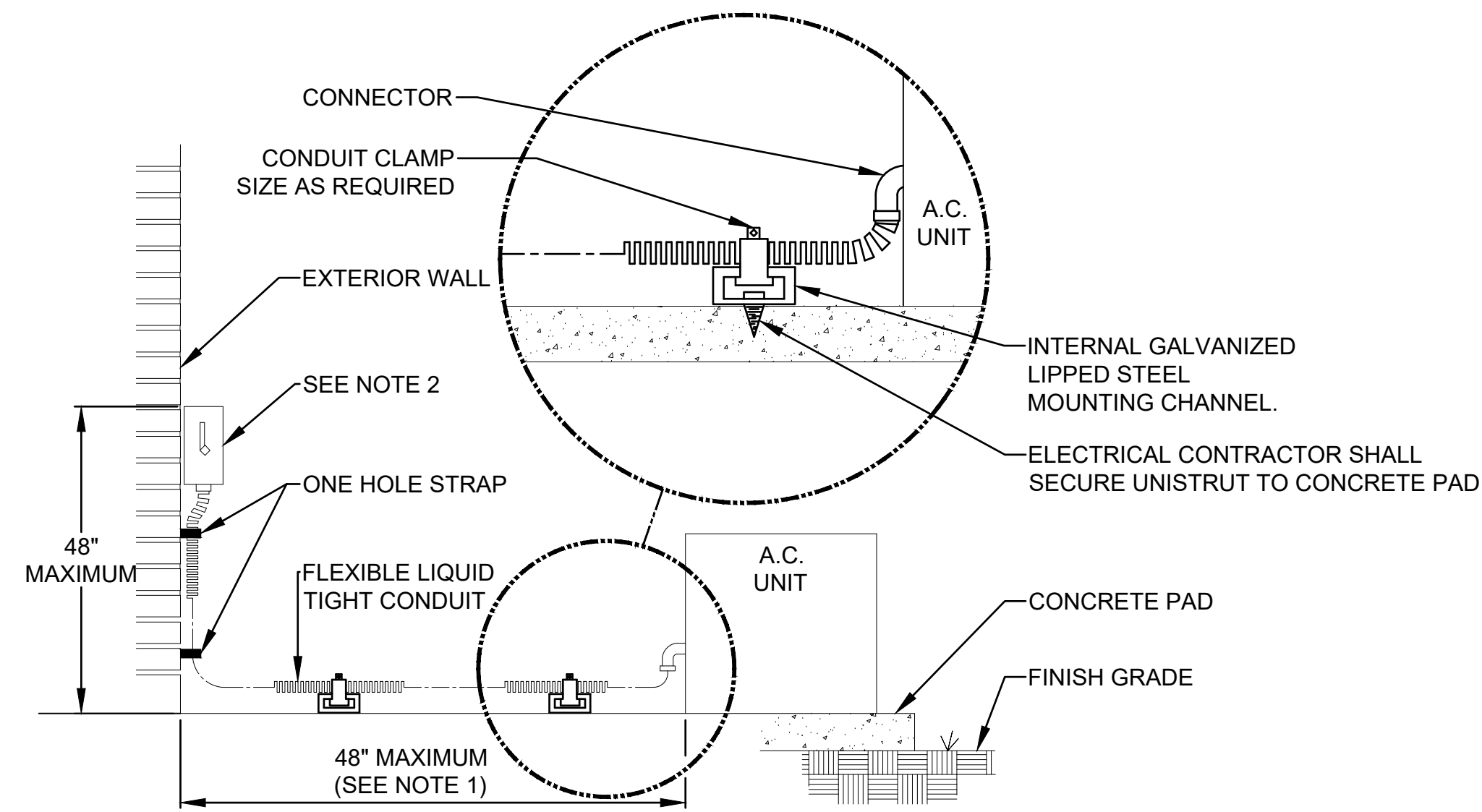
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GMC Project #AMGM240006 CONSTRUCTION DRAWINGS



**ELECTRICAL DETAILS**  
**E5.03**  
Sheet 01

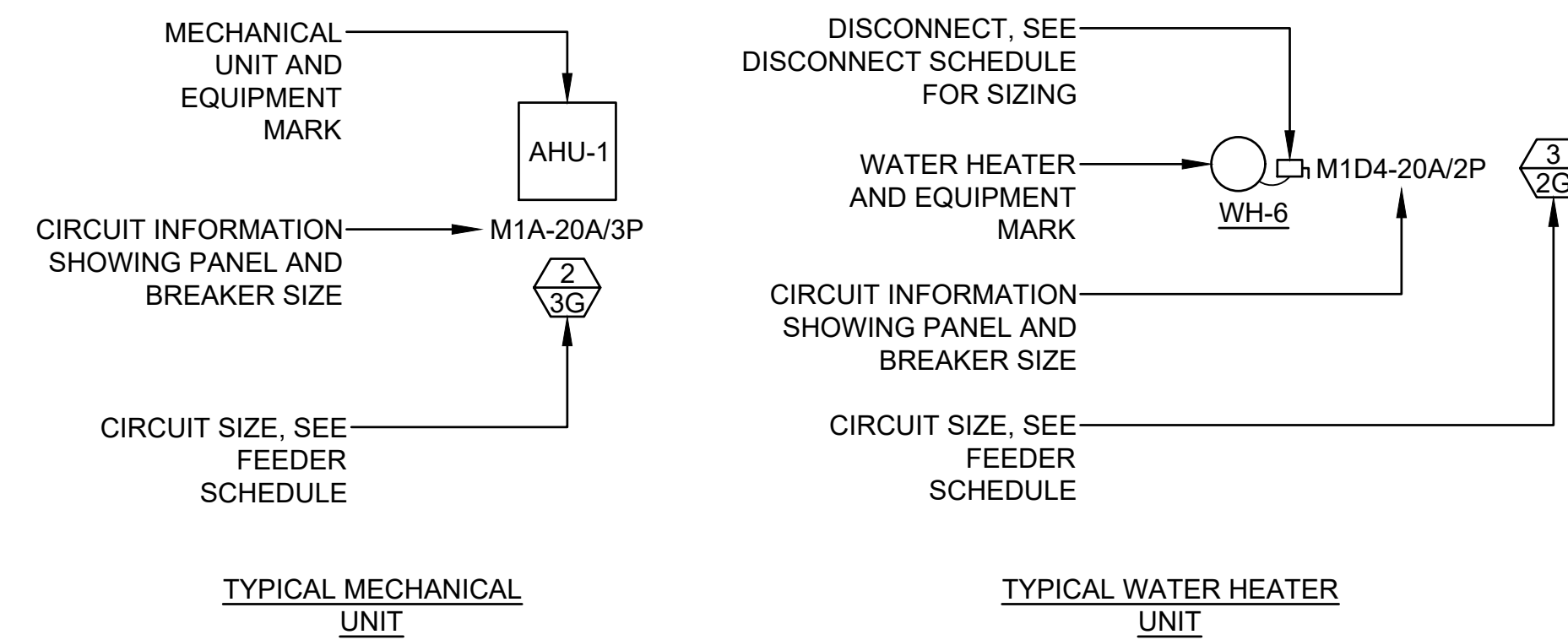


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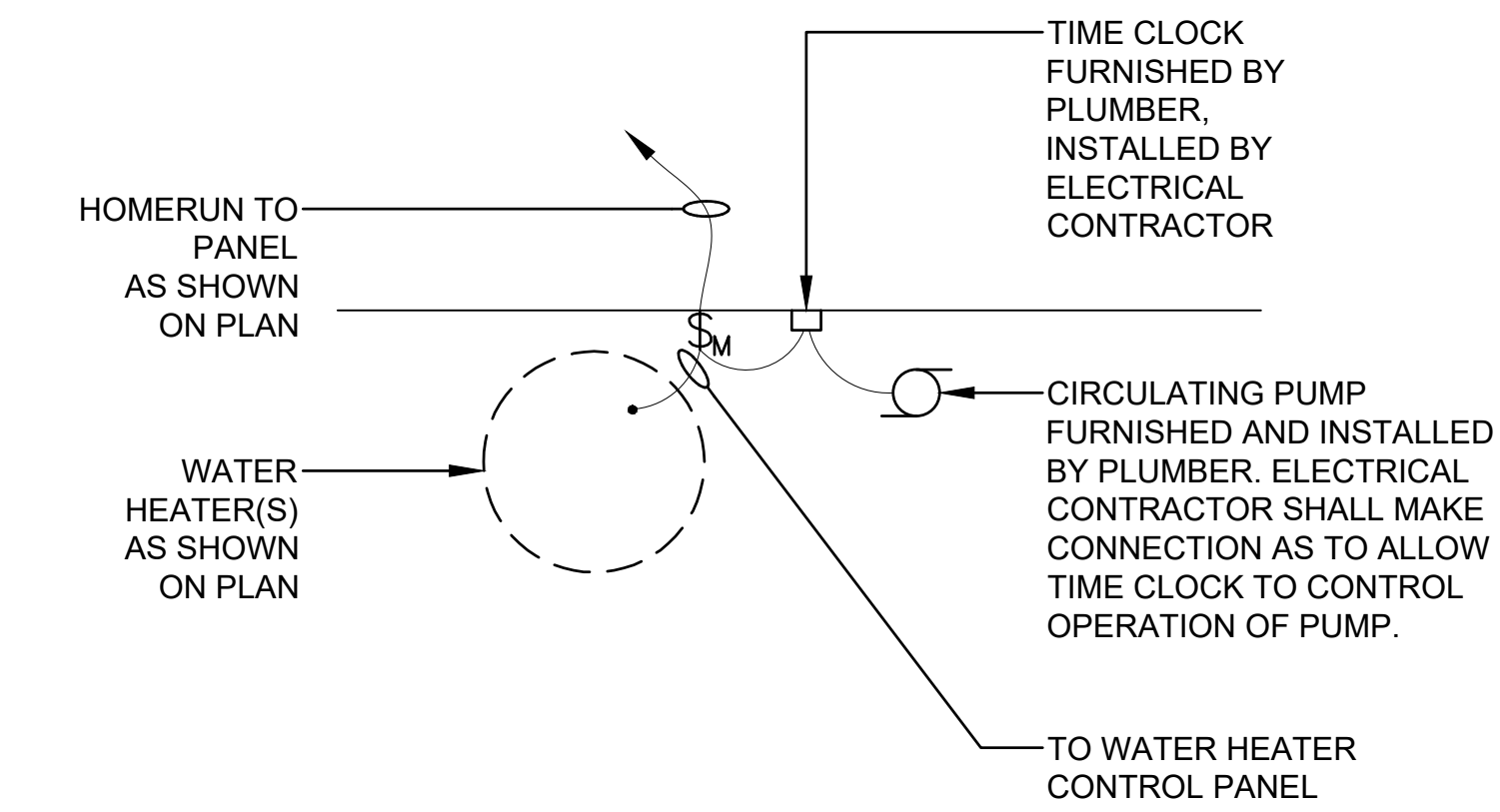
1 TYP. MECH. UNIT CONNECTION DETAIL

- E5.04 DIAGRAMMATIC NOTES:
- FOR DISTANCES GREATER THAN 48" CONDUIT TO BE ROUTED BELOW GRADE TO WITHIN 6" OF MECHANICAL UNIT. STUB-UP WITH RIGID ELBOW THRU CONCRETE PAD. PROVIDE FLEXIBLE CONNECTION FROM ELBOW TO MECHANICAL UNIT, WITH CONNECTION MADE AT UNIT AS SHOWN ABOVE.
  - DISCONNECT SWITCH OR PANEL AS SHOWN ON DRAWINGS.



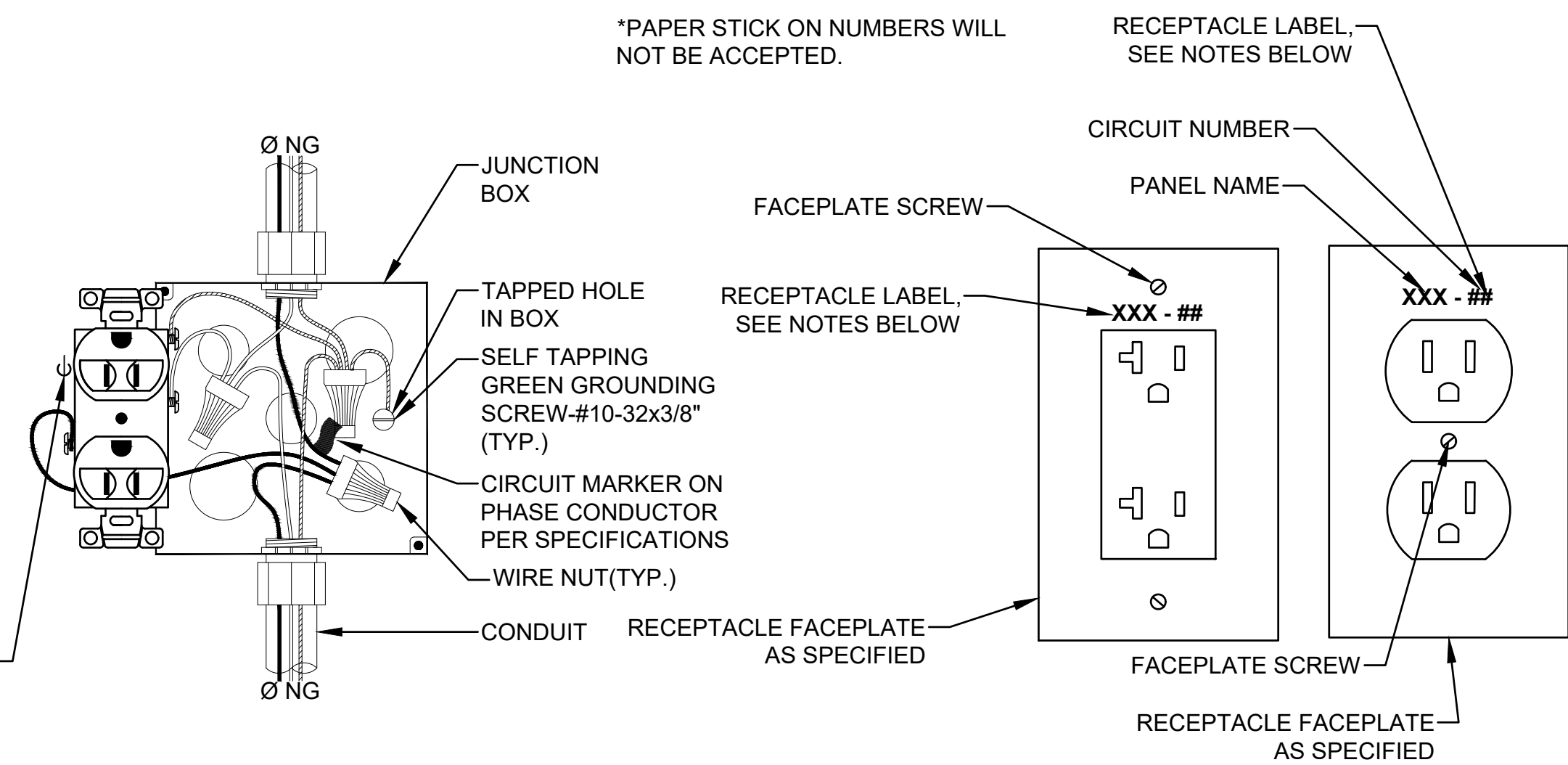
2 MECHANICAL EQUIPMENT DETAIL

- E5.04 DIAGRAMMATIC NOTES:
- THIS DETAIL IS TYPICAL FOR ALL MECHANICAL/PLUMBING EQUIPMENT INCLUDING BUT NOT LIMITED TO AIR HANDLERS, MINI SPLITS, ROOF TOP UNITS, WATER HEATERS, ETC.
  - IF NO DISCONNECT IS SHOWN, UNIT IS FURNISHED WITH INTEGRAL DISCONNECT FROM MANUFACTURER OR IS IN SIGHT OF ELECTRICAL PANEL. MAKE ELECTRICAL CONNECTIONS PER MANUFACTURER'S REQUIREMENTS. ELECTRICAL CONTRACTOR SHALL VERIFY UNITS HAVE INTEGRAL DISCONNECT WITH MECHANICAL CONTRACTOR.
  - DISCONNECT SWITCH SHALL BE LOCATED AS REQUIRED TO HAVE PROPER CLEARANCE AS PER NEC.



3 WATER HEATER CONNECTION DETAIL

E5.04 DIAGRAMMATIC



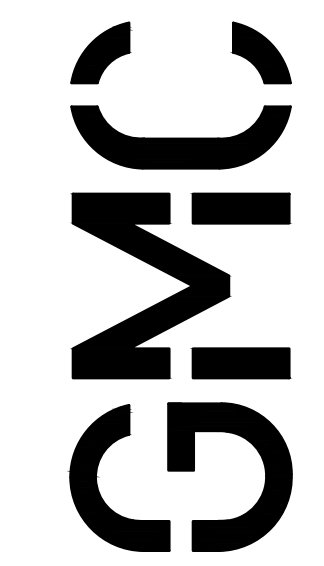
4 TYPICAL RECEPTACLE AND FACEPLATE DETAIL

E5.04 DIAGRAMMATIC

- NOTES:
- GREEN GROUND CONDUCTOR SHALL BE CONTINUOUS SO THAT REMOVAL OF DEVICE WILL NOT INTERFERE WITH GROUND CONTINUITY.
  - PROVIDE A SEPARATE NEUTRAL FOR EACH CIRCUIT.
  - RECEPTACLE FACEPLATES SHALL BE LABELED WITH THE PANEL NAME AND CIRCUIT NUMBER IT IS FED FROM.
  - LETTERING SHALL BE A MINIMUM OF 3/16" HIGH.
  - STAINLESS STEEL FACEPLATE LETTER (FILL) COLOR: NORMAL = WHITE. EMERGENCY = RED. STAINLESS STEEL FACEPLATE LABELS SHALL BE ENGRAVED
  - PLASTIC FACEPLATE LETTER FILL COLOR: NORMAL = BLACK. EMERGENCY = RED. PLASTIC FACEPLATE LABELS SHALL BE LASER-PRINTED ON CLEAR SELF ADHESIVE VINYL.

\*PAPER STICK ON NUMBERS WILL NOT BE ACCEPTED.

SYMBOL INDICATING RECEPTACLE IS CONTROLLED THROUGH AUTOMATED DEVICE. REFER TO NEC 406.3(E). SEE PLANS FOR LOCATIONS OF THESE DEVICES.

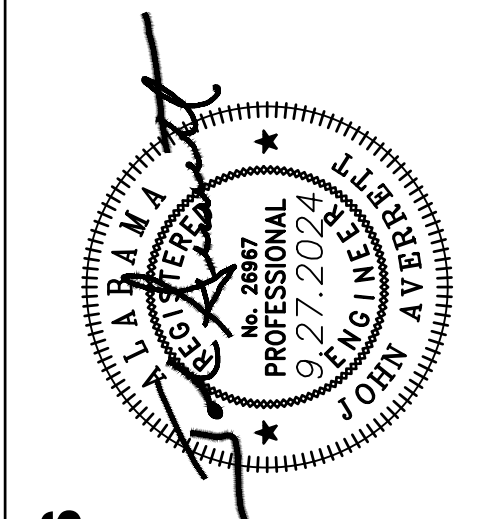


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PERRY COUNTY WORKFORCE  
 TRAINING FOR ITC  
 PERRY COUNTY, ALABAMA

GMC Project #AMGM240006  
 CONSTRUCTION DRAWINGS



ELECTRICAL DETAILS

E5.04

C  
B  
A



### PANELBOARD SCHEDULE: MP

LOCATION		MEP	MAIN: 225A MLO										
VOLTAGE		120/208	SYSTEM: 3Ø, 4 WIRE										
TRIM		SURFACE		INTERRUPTING RATING:		10K		AIC					
CKT #	LOAD DESCRIPTION	BREAKER P	TRIP	PHASE (kVA)			PHASE (kVA)			BREAKER TRIP	P	LOAD DESCRIPTION	CKT #
1	WH-1	2	40	3.00			3.60			45	2	HP-1 (INDOOR UNIT)	2
3				3.00			3.60						4
5	RECIRCULATION PUMP & TC	1	20		0.70		2.40			30	2	HP-2 (INDOOR UNIT)	6
7	EF-1	1	20	0.20			2.40						8
9	EF-2	1	20		0.20		3.60			45	2	HP-3 (INDOOR UNIT)	10
11	EF-3	1	20		0.20		3.60						12
13	DH-1	1	20	0.7			2.20			30	2	HP-1 (OUTDOOR UNIT)	14
15	DH-2	1	20		0.7		2.20			30	2	HP-1 (OUTDOOR UNIT)	16
17	DH-3	1	20		0.7		1.60			20	2	HP-2 (OUTDOOR UNIT)	18
19				0.7			1.60						20
21	CF-1	3	20		0.7		2.20			30	2	HP-3 (OUTDOOR UNIT)	22
23				0.7			2.20						24
25	AVAILABLE BUSSED SPACE						2.30			30	2	MS-1	26
27	AVAILABLE BUSSED SPACE						2.30						28
29	AVAILABLE BUSSED SPACE												30
31	AVAILABLE BUSSED SPACE												32
33	AVAILABLE BUSSED SPACE												34
35	AVAILABLE BUSSED SPACE												36
37	AVAILABLE BUSSED SPACE												38
39	AVAILABLE BUSSED SPACE												40
41	AVAILABLE BUSSED SPACE												42
<b>LOAD CLASSIFICATION</b>		<b>CONNECTED LOAD</b>		<b>DEMAND FACTOR</b>		<b>DEMAND LOAD (VA)</b>	<b>PANEL TOTALS</b>						
MECHANICAL FIRST 40KVA		40000		100.00%		40000	<b>CONNECTED LOAD (VA)</b>	<b>47,300</b>					
MECHANICAL		7300		40.00%		2920	<b>DEMAND LOAD (VA)</b>	<b>42,820</b>					
							<b>CONNECTED CURRENT (A)</b>	<b>131.45</b>					
							<b>DEMAND CURRENT (A)</b>	<b>119.3</b>					
							<b>25% SPARE CAPACITY (A)</b>	<b>29.8</b>					
							<b>TOTAL DEMAND + SPARE (A)</b>	<b>149.1</b>					

### PANELBOARD SCHEDULE: RLP

LOCATION		MEP	MAIN: 225A MLO										
VOLTAGE		120/208	SYSTEM: 3Ø, 4 WIRE										
TRIM		SURFACE		INTERRUPTING RATING:		10K		AIC					
CKT #	LOAD DESCRIPTION	BREAKER P	TRIP	PHASE (kVA)			PHASE (kVA)			BREAKER TRIP	P	LOAD DESCRIPTION	CKT #
1	LIGHTING	1	20	1.0			1.4			20	1	PAVILION RECEPTACLES	2
3	LIGHTING	1	20		1.0		1.4			20	1	PAVILION RECEPTACLES	4
5	LIGHTING	1	20			1.0		1.4		20	1	PAVILION RECEPTACLES	6
7	LIGHTING	1	20	1.0			1.4			20	1	PAVILION RECEPTACLES	8
9	LIGHTING	1	20		1.0		1.4			20	1	PAVILION RECEPTACLES	10
11	LIGHTING	1	20			1.0		1.4		20	1	PAVILION RECEPTACLES	12
13	LIGHTING	1	20	1.0			1.4			20	1	PAVILION RECEPTACLES	14
15	EXTERIOR LIGHTING (TO)	1	20		1.0		1.0			20	1	CLASSROOM RECEPTACLES	16
17	LIGHTING	1	20			1.0		1.0		20	1	CLASSROOM RECEPTACLES	18
19	LIGHTING	1	20	1.0			1.0			20	1	CLASSROOM RECEPTACLES	20
21	FORKLIFT CHARGER	2	50			5.2		1.0		20	1	TEACHER'S DESK QUAD RECEPT	22
23	FORKLIFT CHARGER	2	50			5.2		1.0		20	1	CLASSROOM RECEPTACLES	24
25	FORKLIFT CHARGER	2	50			5.2		1.0		20	1	CLASSROOM RECEPTACLES	26
27	FORKLIFT CHARGER	2	50			5.2		1.0		20	1	CLASSROOM RECEPTACLES	28
29	FORKLIFT CHARGER	2	50			5.2		1.0		20	1	EXTERIOR RECEPTACLES	30
31	FORKLIFT CHARGER	2	50			5.2		1.0		20	1	OFFICE RECEPTACLES	32
33	FORKLIFT CHARGER	2	50			5.2		0.8		20	1	OFFICE RECEPTACLES	34
35	FORKLIFT CHARGER	2	50			5.2		0.4		20	1	STAFF RESTROOM/JANITOR RECEPT	36
37	FACP	1	20/C	0.5			1.4			20/GF	1	EW	38
39	TOOLS RM RECEPTS	1	20		1.0		1.4			20/GF	1	EW	40
41	TOOLS RM RECEPTS	1	20			1.0		1.0		20	1	RECEPTACLES	42
43	SPARE	1	20					1.0		20	1	RECEPTACLES	44
45	SPARE	1	20					1.0		20	1	RECEPTACLES	46
47	SPARE	1	20					1.2		20/GF	1	ICE MACHINE	48
49	AVAILABLE BUSSED SPACE							0.4		20	1	ELEC RM	50
51	AVAILABLE BUSSED SPACE							0.8		20	1	TBB	52
53	AVAILABLE BUSSED SPACE							0.8		20	1	TBB	54
55	AVAILABLE BUSSED SPACE							0.8		20	1	TBB	56
57	AVAILABLE BUSSED SPACE							1.0		20	1	TEACHER'S DESK QUAD RECEPT	58
59	AVAILABLE BUSSED SPACE									20	1	AVAILABLE BUSSED SPACE	60
<b>LOAD CLASSIFICATION</b>		<b>CONNECTED LOAD</b>		<b>DEMAND FACTOR</b>		<b>DEMAND LOAD (VA)</b>	<b>PANEL TOTALS</b>						
LIGHTING		10000		125.00%		12500	<b>CONNECTED LOAD (VA)</b>	<b>65,200</b>					
RECEPTACLE FIRST 10KVA		10000		100.00%		10000	<b>DEMAND LOAD (VA)</b>	<b>55,350</b>					
RECEPTACLE		64700		50.00%		32350	<b>CONNECTED CURRENT (A)</b>	<b>236.77</b>					
FACP		500		100.00%		500	<b>DEMAND CURRENT (A)</b>	<b>153.8</b>					
							<b>25% SPARE CAPACITY (A)</b>	<b>38.5</b>					
							<b>TOTAL DEMAND + SPARE (A)</b>	<b>192.3</b>					

**NOTES:**  
 GF - INDICATES CLASS A GFCI TYPE CIRCUIT BREAKER  
 C - INDICATES LOCK ON CLIP FOR CIRCUIT BREAKER

### PANELBOARD SCHEDULE: MDP

LOCATION		MEP	MAIN: 600A MCB										
VOLTAGE		120/208	SYSTEM: 3Ø, 4 WIRE										
TRIM		SURFACE		INTERRUPTING RATING:		65k		AIC					
CKT #	LOAD DESCRIPTION	BREAKER P	TRIP	PHASE (kVA)			PHASE (kVA)			BREAKER TRIP	P	LOAD DESCRIPTION	CKT #
1	PANEL 'RLP'	3	225	25.7			30.4			16.7	3	PANEL 'MP'	2
3							18.5			225	3		4
5							29			12.1			6
7	AVAILABLE BUSSED SPACE												8
9													10
11													12
13													14
15	SPD	3	30	0.2			0.2						16
17							0.2						18
<b>LOAD CLASSIFICATION</b>		<b>CONNECTED LOAD</b>		<b>DEMAND FACTOR</b>		<b>DEMAND LOAD (VA)</b>	<b>PANEL TOTALS</b>						
PANEL RLP		82700		100.00%		82700	<b>CONNECTED LOAD (VA)</b>	<b>130,600</b>					
PANEL MP		47300		100.00%		47300	<b>DEMAND LOAD (VA)</b>	<b>130,600</b>					
SPD		600		100.00%		600	<b>CONNECTED CURRENT (A)</b>	<b>362.94</b>					
							<b>DEMAND CURRENT (A)</b>	<b>362.94</b>					
							<b>25% SPARE CAPACITY (A)</b>	<b>90.7</b>					
							<b>TOTAL DEMAND + SPARE (A)</b>	<b>453.7</b>					

### LUMINAIRE SCHEDULE - ITC PERRY COUNTY WORKFORCE TRAINING CENTER

FITURE MARK	NO	LAMPS			VOLTAGE	MOUNTING TYPE	MAKE	MODEL	DESCRIPTION
		WATTS	TYPE	LUMENS					
A	1	38	LED/835	4700	UNV	RC	HEW	BP-24-LS4700/835-DIM-UNV	2x4' LED FLAT PANEL - 4700 LUMENS.
AE	1	38	LED/835	4700	UNV	RC	HEW	BP-24-LS4700/835-EM/10W-DIM-UNV	2x4' LED FLAT PANEL - 4700 WITH EMERGENCY BATTERY.
B	1	28	LED/835	3500	UNV	RC	HEW	BP-24-LS3500/835-DIM-UNV	2x4' LED FLAT PANEL - 3500 LUMENS.
BE	1	28	LED/835	3500	UNV	RC	HEW	BP-24-LS3500/835-EM/10W-DIM-UNV	2x4' LED FLAT PANEL - 3500 WITH EMERGENCY BATTERY.
C	1	20	LED/835	3000	UNV	SC	HEW	75R-4-L30/835-DIM-UNV	4FT LED STRIP FIXTURE - 3000 LUMENS.
CE	1	20	LED/835	3000	UNV	SC	HEW	75R-4-L30/835-EM/10WLP-DIM-UNV	4FT LED STRIP FIXTURE - 3000 LUMENS WITH EMERGENCY BATTERY.
D	1	23	LED/835	3000	UNV	SC	HEW	39W-4-L30/835-A-DIM-UNV	4FT LED WRAPAROUND FIXTURE - 3000 LUMENS.
EMX	1	10	W/UNIT	W/UNIT	UNV	SW	HEW	EMER/DECO-DBR-D	EXTERIOR EMERGENCY EGRESS LIGHT - BRONZE FINISH.
F	1	95	LED/840	13000	UNV	S	HEW	96-8-L130/840-HIAFR-CONTROL-DRV-UNV	8FT LINEAR LED FIXTURE - FROSTED LENS IMPACT RESISTANT- 13000 LUMENS.
FE	1	95	LED/840	13000	UNV	S	HEW	96-8-L130/840-HIAFR-EM/10W-CONTROL-DRV-UNV	8FT LINEAR LED FIXTURE - FROSTED LENS IMPACT RESISTANT- 13000 LUMENS WITH EMERGENCY BATTERY.
WA	1	52	LED/840	4300	UNV	SW	HEW	WPRD-L43/850-DIM-UNV	EXTERIOR WALLPACK LED FIXTURE - 4300 LUMENS.
X	1	10	W/UNIT	W/UNIT	UNV	UNV	HEW	EXT/EM/LP-R-WHT-D	EGRESS EXIT SIGN, WHITE HOUSING WITH RED LETTERS AND DOWNLIGHT.

**MOUNTING LEGEND:**  
 AS - AT GRADE  
 BAW - BRACKET ABOVE  
 BW - BRACKET WALL  
 P - POLE MOUNTED  
 PT - POST TOP  
 RC - RECESSED CEILING

**LUMINAIRE SCHEDULE NOTES:**  
 1. EQUIVALENT PRODUCTS WILL BE REVIEWED PROVIDED THE REQUIREMENTS FOR PRIOR APPROVAL OUTLINED IN THE SPECIFICATIONS ARE MET AND MUST MEET OR EXCEED QUALITY, FUNCTIONALITY, SHAPE, LUMEN OUTPUT, ETC OF PRODUCT LISTED BY CATALOG NUMBER.  
 2. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL FIXTURE MOUNTING PROVISIONS WITH THE ASSOCIATED CEILING TYPE(S) BEFORE ORDERING FIXTURES.  
 3. IN ORDER TO ENSURE PROPER COORDINATION AND LONG TERM SUPPORT FOR THE OWNER, ALL LIGHTING FIXTURES WILL BE PURCHASED THROUGH A MANUFACTURERS REPRESENTATIVE AND DISTRIBUTORS LOCATED WITHIN ONE HUNDRED AND FIFTY (150) MILES OF THE PROJECT SITE. SUBMITTALS RECEIVED THAT DO NOT COMPLY WITH THIS REQUIREMENT WILL BE REJECTED WITHOUT REVIEW. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DELAYS CAUSED BY NON-COMPLIANCE WITH THIS REQUIREMENT.  
 4. ALL EMERGENCY AND EXIT LIGHTS WILL BE CONNECTED TO UNSWITCHED HOT LEG SO THAT BATTERY OPERATES UPON POWER FAILURE.  
 5. SOME LISTED CATALOG NUMBERS MAY INCLUDE MODIFICATIONS OF A MANUFACTURERS STANDARD PRODUCT.  
 6. ANY AND ALL DIMENSIONAL DIFFERENCES MUST BE COORDINATED PRIOR TO RELEASE OF ORDER.

### PANELBOARD NOTES

- PANELBOARDS SHALL BE INSTALLED IN SUCH A MANNER TO MAINTAIN ALL CLEARANCES IN ACCORDANCE WITH THE NEC.
- ALL PANELBOARDS SHALL BE UL LISTED AND INSTALLED IN ACCORDANCE WITH THAT LISTING.
- PANELBOARDS SHALL BE FURNISHED COMPLETE WITH THE PROPERLY SIZED CAN, INTERNAL HARDWARE, COMPONENTS, SUPPORTING STRUCTURES, ETC., FOR A COMPLETE INSTALLATION.
- FURNISH EACH PANELBOARD WITH A GROUND BAR BONDED TO THE PANEL ENCLOSURE.
- EACH PANELBOARD SHALL HAVE A NAMEPLATE AS SHOWN IN DETAIL. ENGINEER WILL NOT ACCEPT JOB UNTIL THESE NAMEPLATES ARE PROVIDED.
- ALL FLUSH MOUNTED PANELBOARDS SHALL BE PROVIDED WITH AT LEAST SIX 3/4" SPARE CONDUITS TO ABOVE ACCESSIBLE CEILING.
- ALL PANELBOARDS SHALL BE CLEARLY MARKED TO COMPLY WITH NEC 110.16 & NEC 110.24 REGARDING POTENTIAL HAZARDS OF ARC FLASH.
- PROVIDE TYPED CIRCUIT DIRECTORY THAT INDICATES WHAT EACH CIRCUIT IS SERVING. LIGHTING AND RECEPTACLE CIRCUITS WILL INCLUDE THE ROOM NUMBERS THAT CIRCUIT IS SERVING.
- PANELBOARDS SHALL BE FULLY RATED. (SERIES RATED PANELBOARDS WILL NOT BE ACCEPTED.)
- PROVIDE THE PROPERLY SIZED CONDUCTOR TERMINATION POINTS OR LUGS (MULTIPLE LUGS WHEN PARALLEL FEEDERS ARE USED) FOR THE NUMBER AND SIZE CIRCUITS INDICATED.
- THE TERMINATION POINT OF THE FEEDER SERVING EACH ASSEMBLY SHALL BE AT THE NEAREST POINT OF FEEDER ENTRY TO MINIMIZE CONDUCTOR FILL IN THE CAN. COORDINATE TOP/BOTTOM FED PANELBOARD PROVISIONS WITH EACH FEED INSTALLATION.
- ALL PANELBOARDS SHALL BE DOOR-IN-DOOR CONSTRUCTION.
- MANUFACTURER THAT WILL BE PROVIDING PANELBOARDS ON THIS PROJECT WILL NEED TO DO A BREAKER COORDINATION TO ENSURE DOWNSTREAM CIRCUIT BREAKERS TRIP BEFORE UPSTREAM BREAKERS. PROVIDE BREAKER COORDINATION STUDY IN THE SHOP DRAWINGS FOR ENGINEER REVIEW.

### COMcheck Software Version 4.1.5.5 Interior Lighting Compliance Certificate

**Project Information**  
 Energy Code: 90.1 (2016) Standard  
 Project Title: PERRY COUNTY WORKFORCE FOR ITC  
 Project Type: New Construction

Construction Site: \_\_\_\_\_ Owner/Agent: ACCS Designer/Contractor: Jonathan Ziegler  
 GMC

**Allowed Interior Lighting Power**

A Area Category	B Floor Area (ft²)	C Allowed Watts / ft²	D Allowed Watts (B X C)
1-Workforce Training Center (Workshop)	31000	9.50	27900
<b>Total Allowed Watts =</b>			<b>27900</b>

**Proposed Interior Lighting Power**

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D E (C X D) Watt.
1-Workforce Training Center (Workshop)			
A/AE: A/E: 2x4 Flat Panel: LED Panel 30W:	1	24	384
B/B: B/E: 2x4 Flat Panel: LED Panel 33W:			