

HORRY-GEORGETOWN TECHNICAL COLLEGE DIESEL ENGINE TRAINING FACILITY INTERIOR RENOVATION

470 ALLIED DR | CONWAY, SC
ARCHITECT'S PROJECT NUMBER 21.285.00
STATE PROJECT NUMBER H59-N134-MJ

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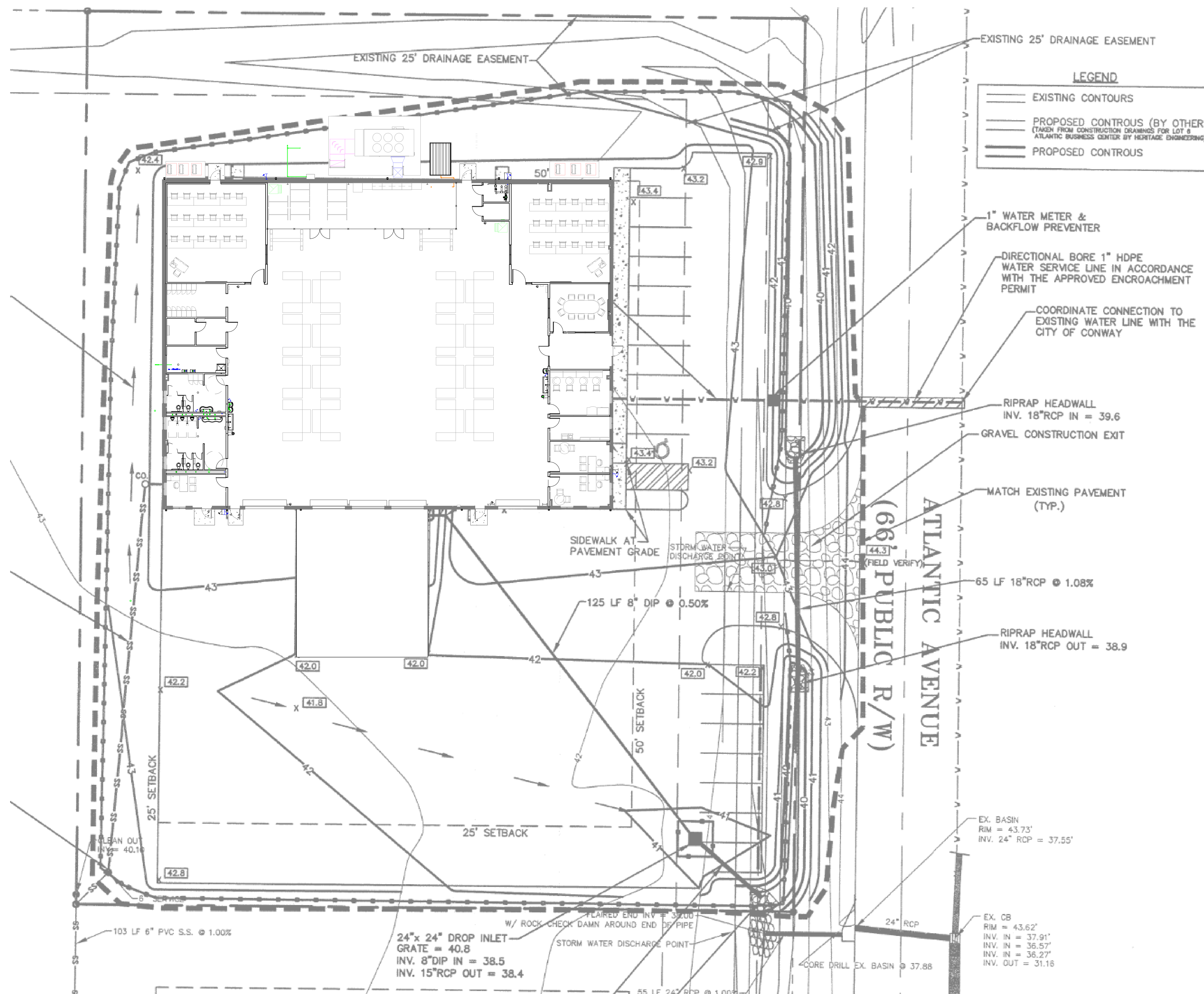
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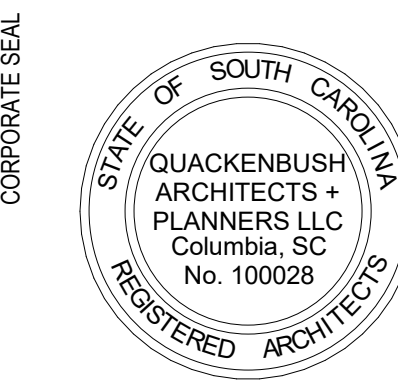


AREA MAP



PROJECT SITE

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PROJECT TITLE
**HGTC - DIESEL ENGINE TRAINING FACILITY
INTERIOR RENOVATION**
 HORRY-GEORGETOWN TECHNICAL COLLEGE
 470 ALLIED DR, CONWAY, SC

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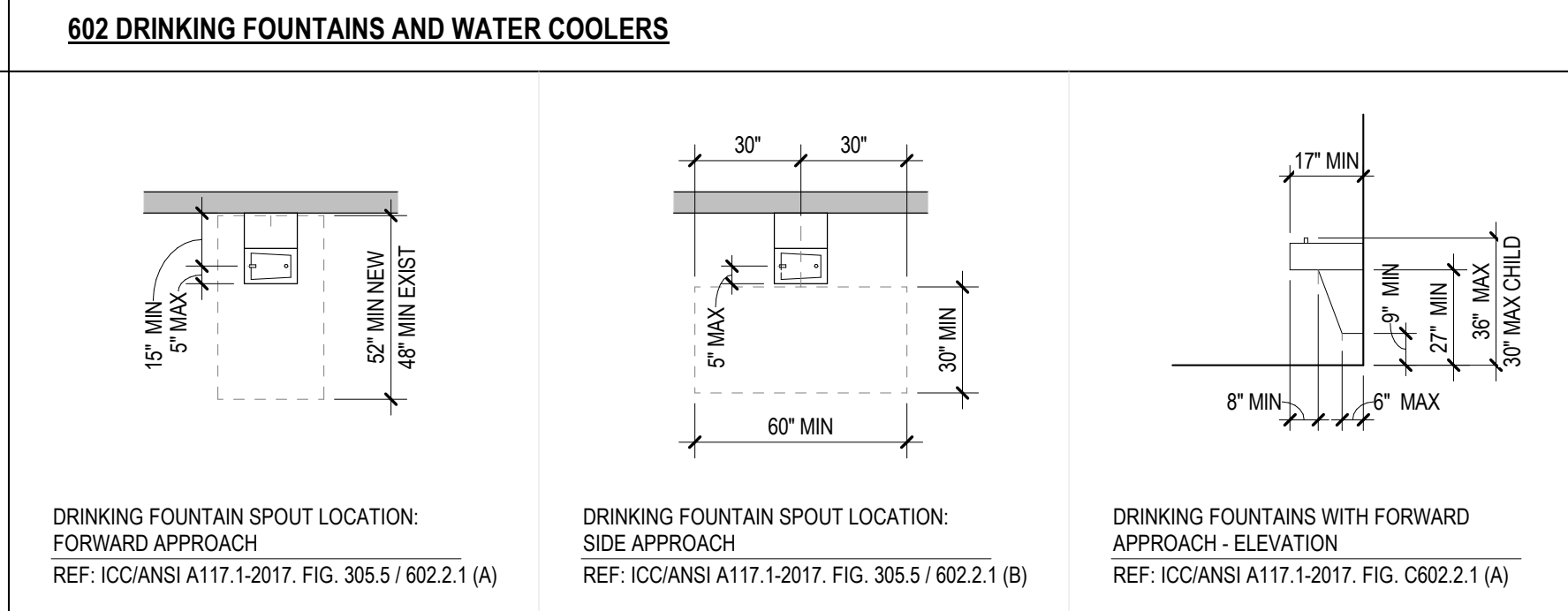
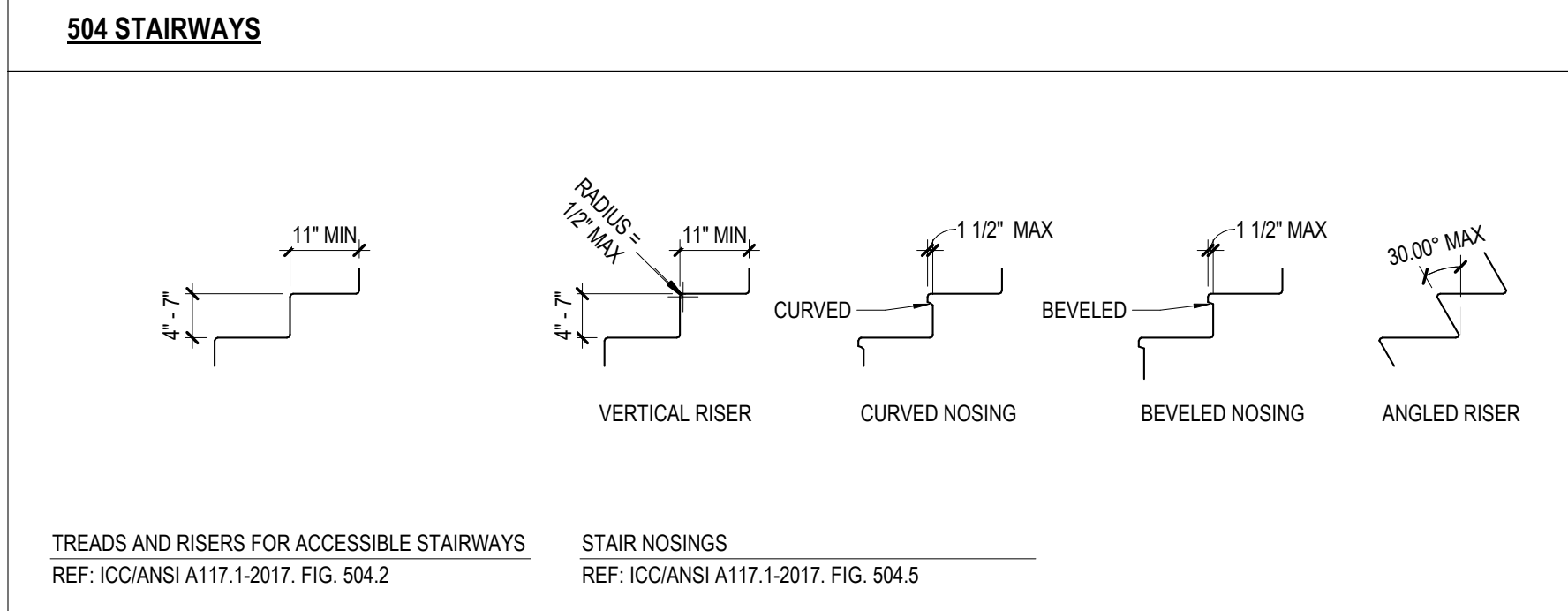
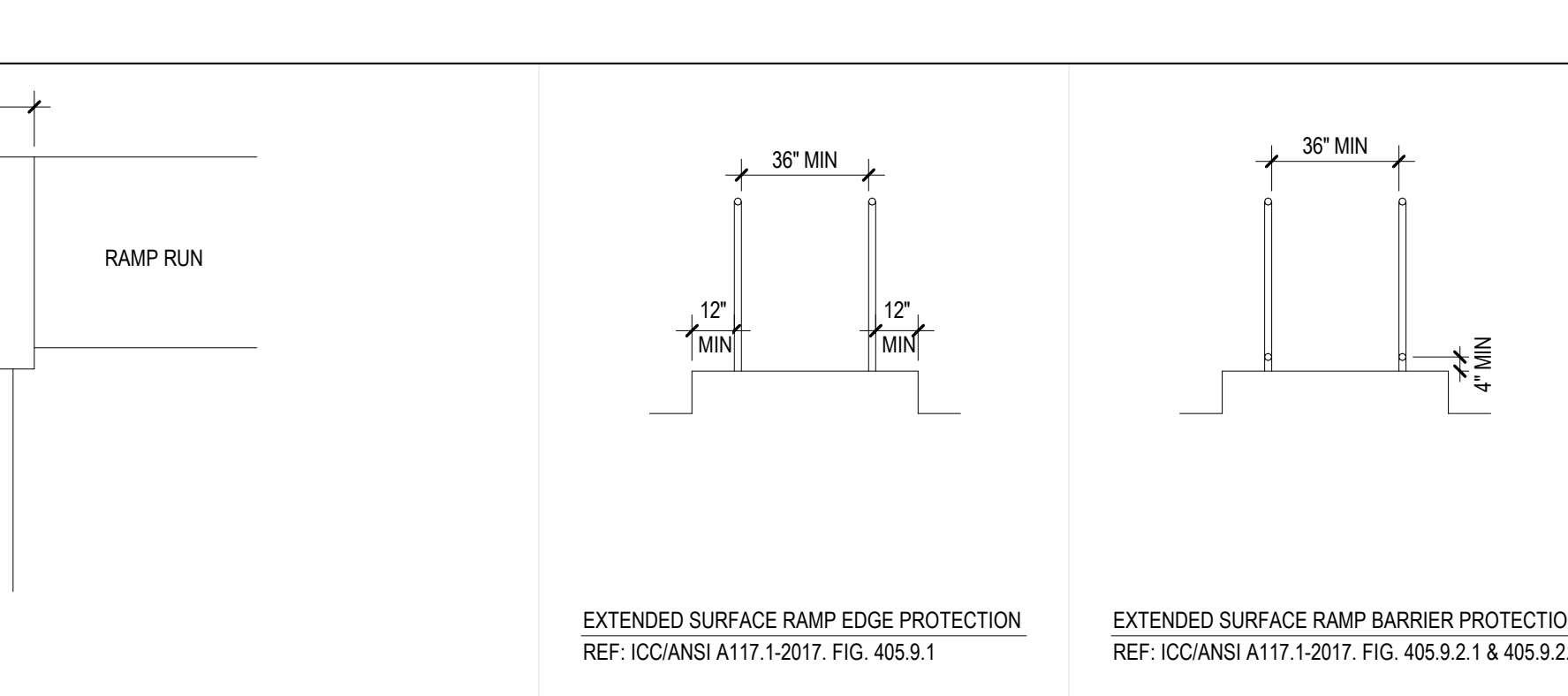
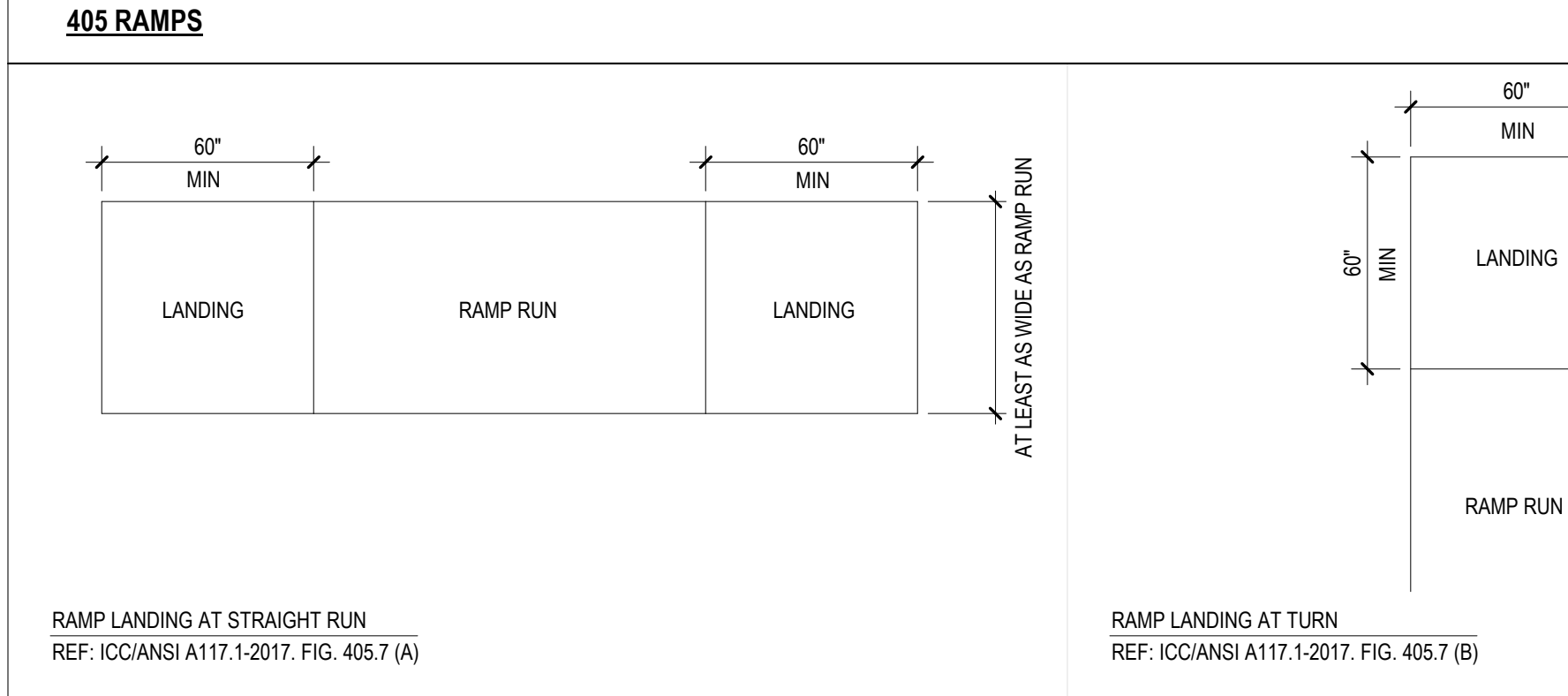
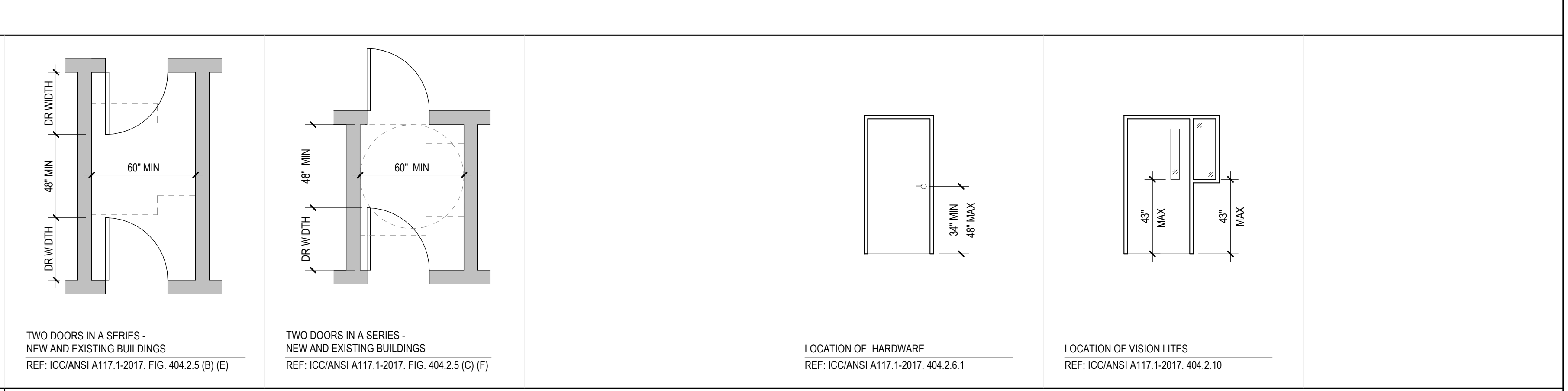
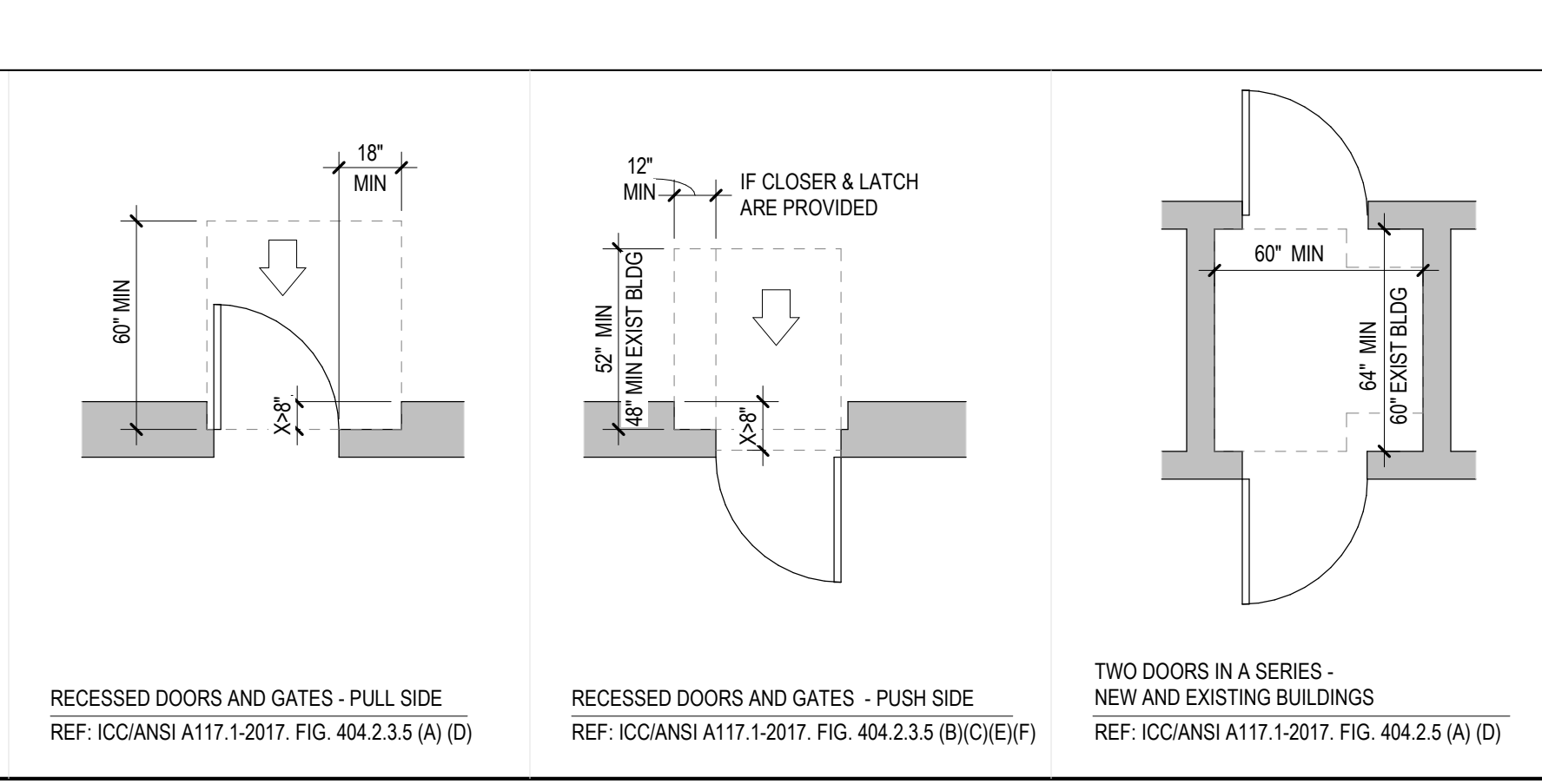
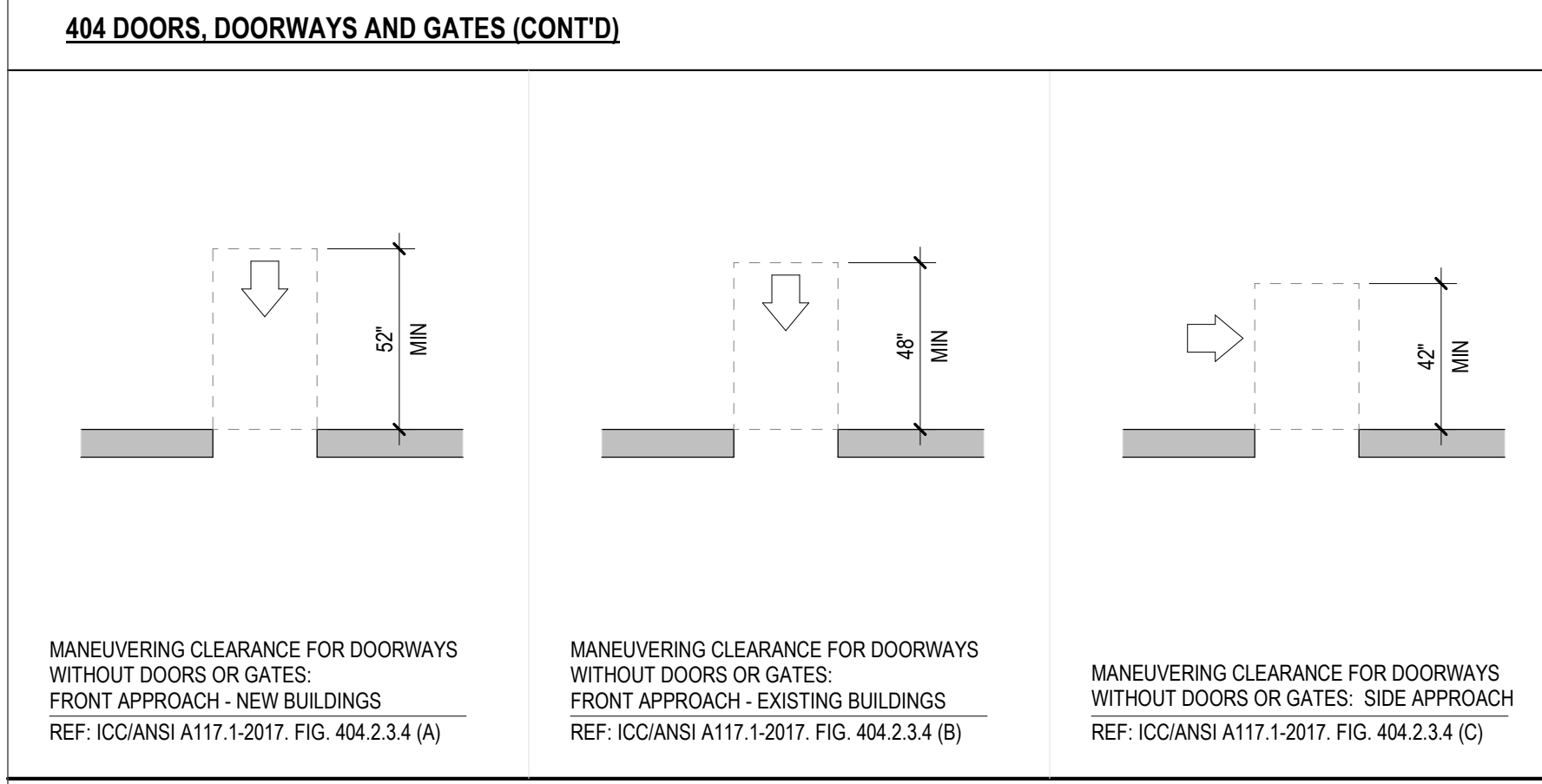
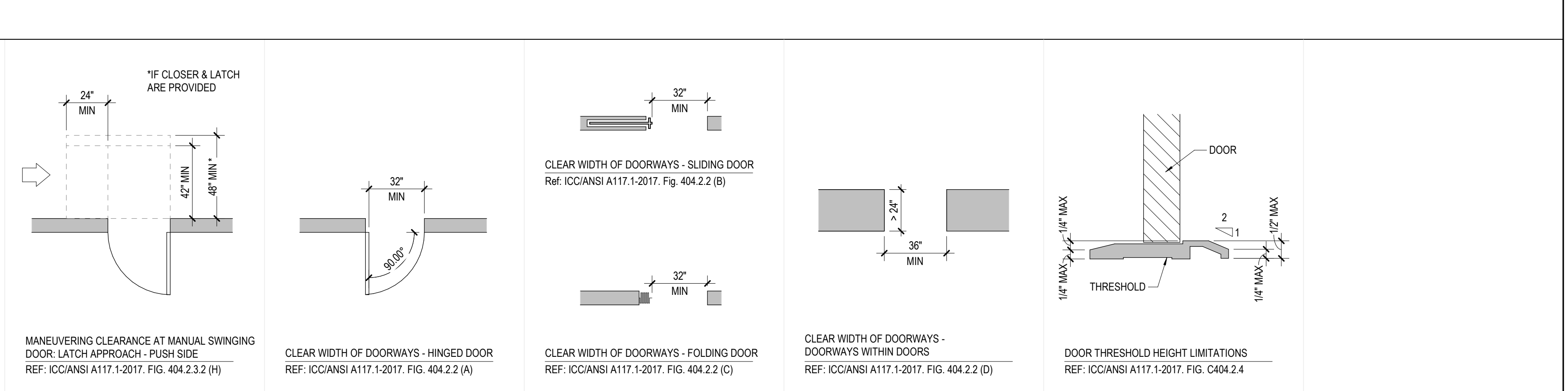
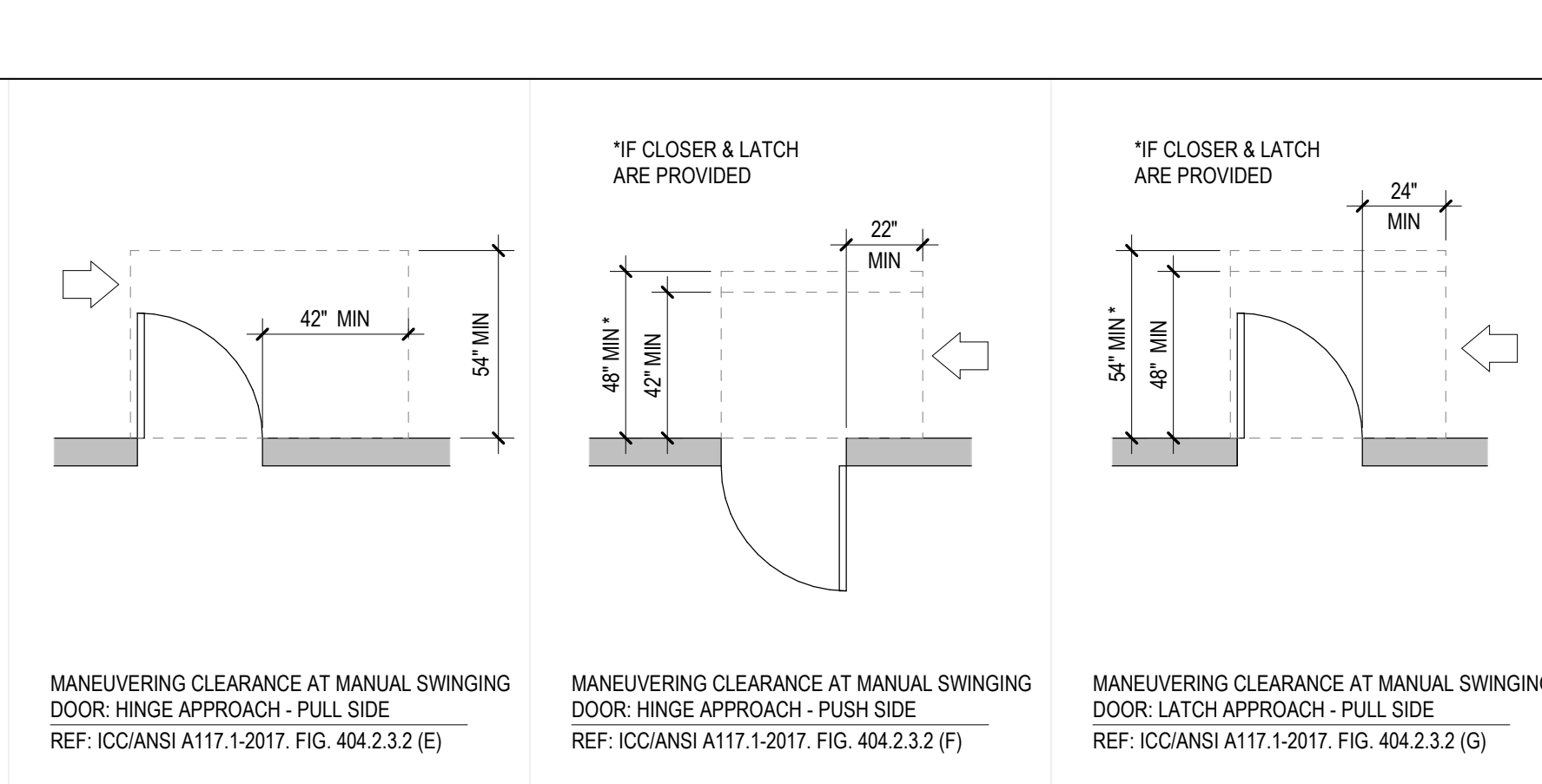
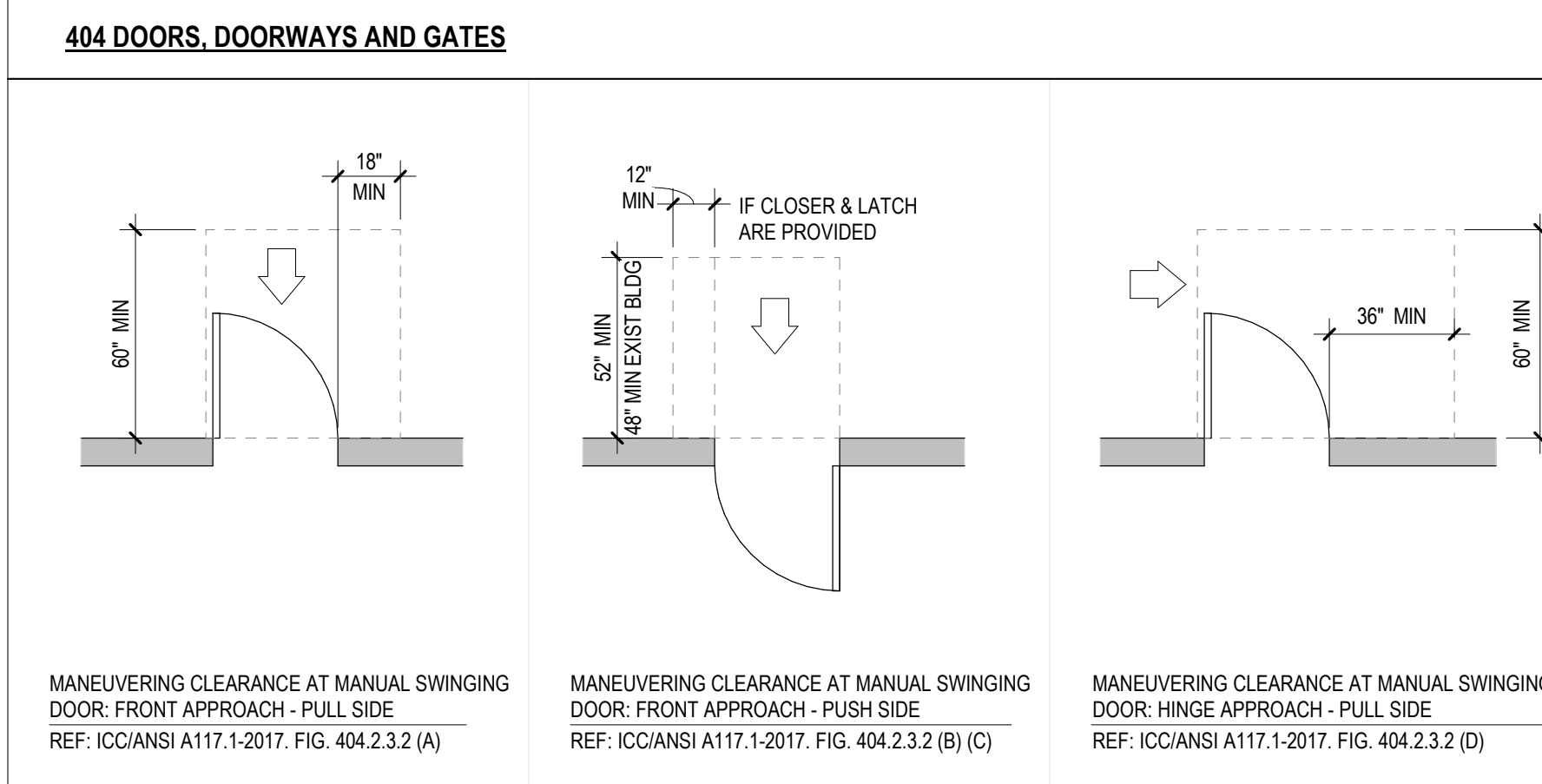
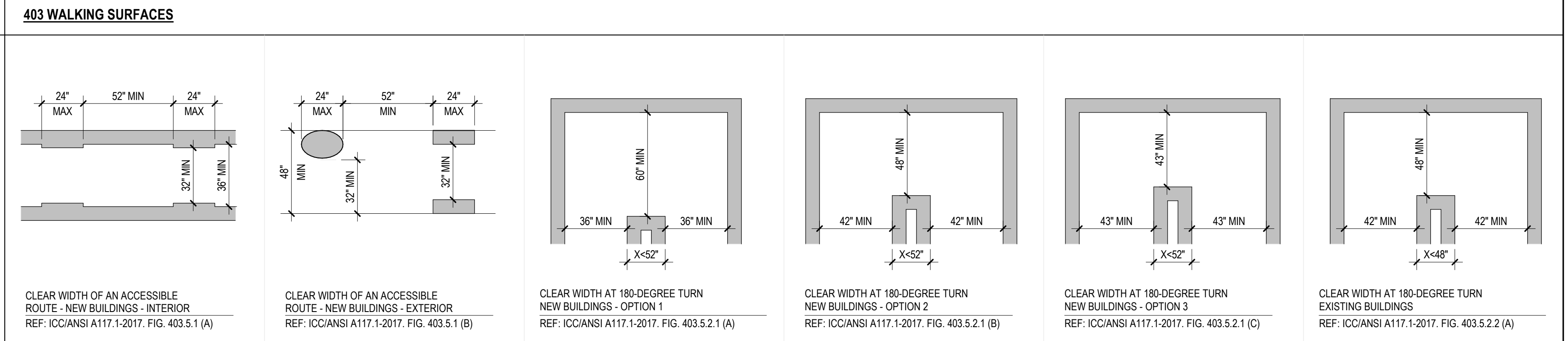
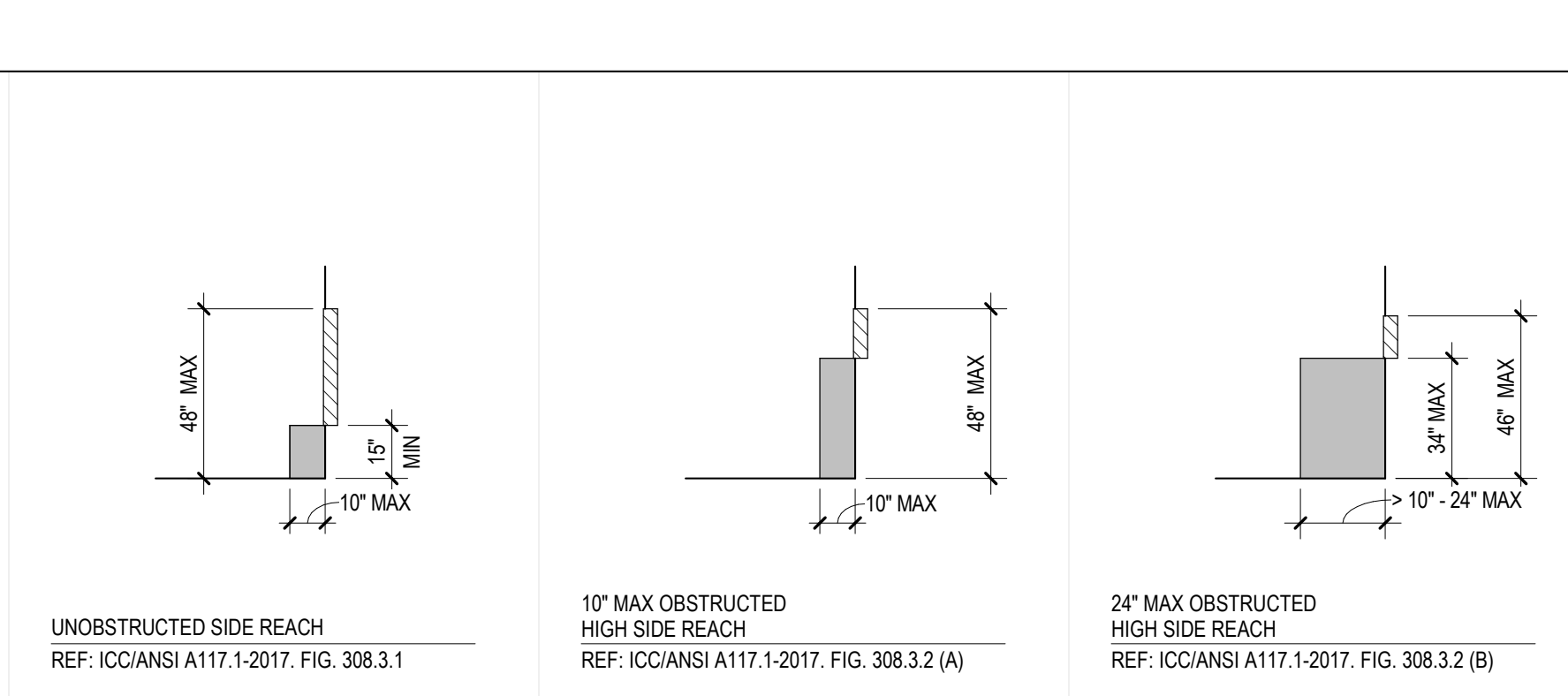
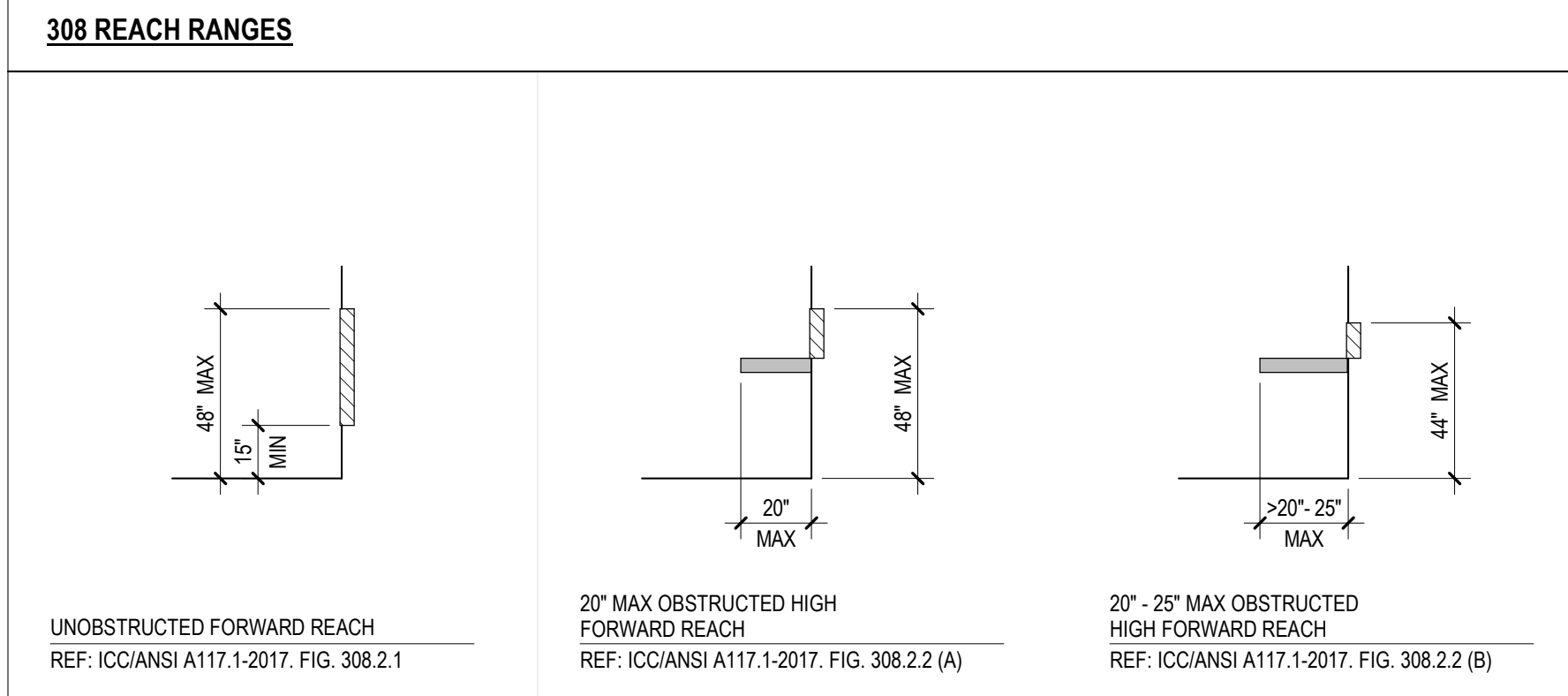
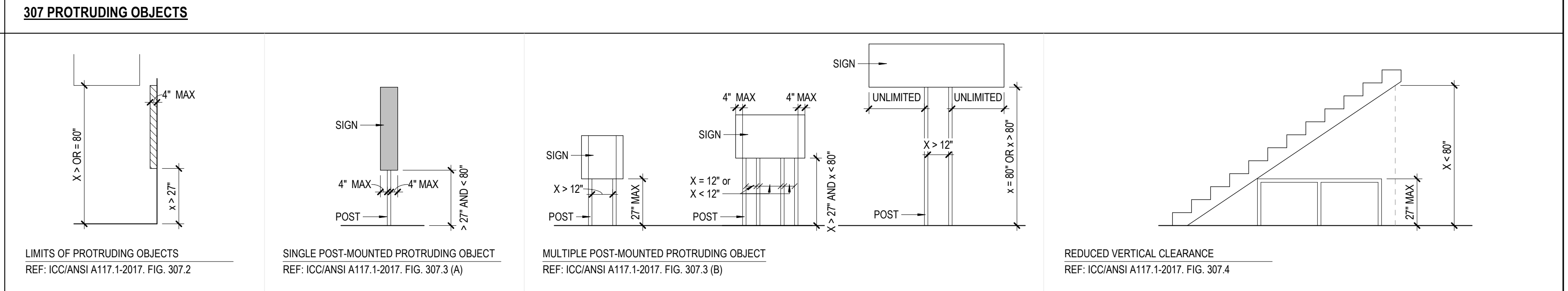
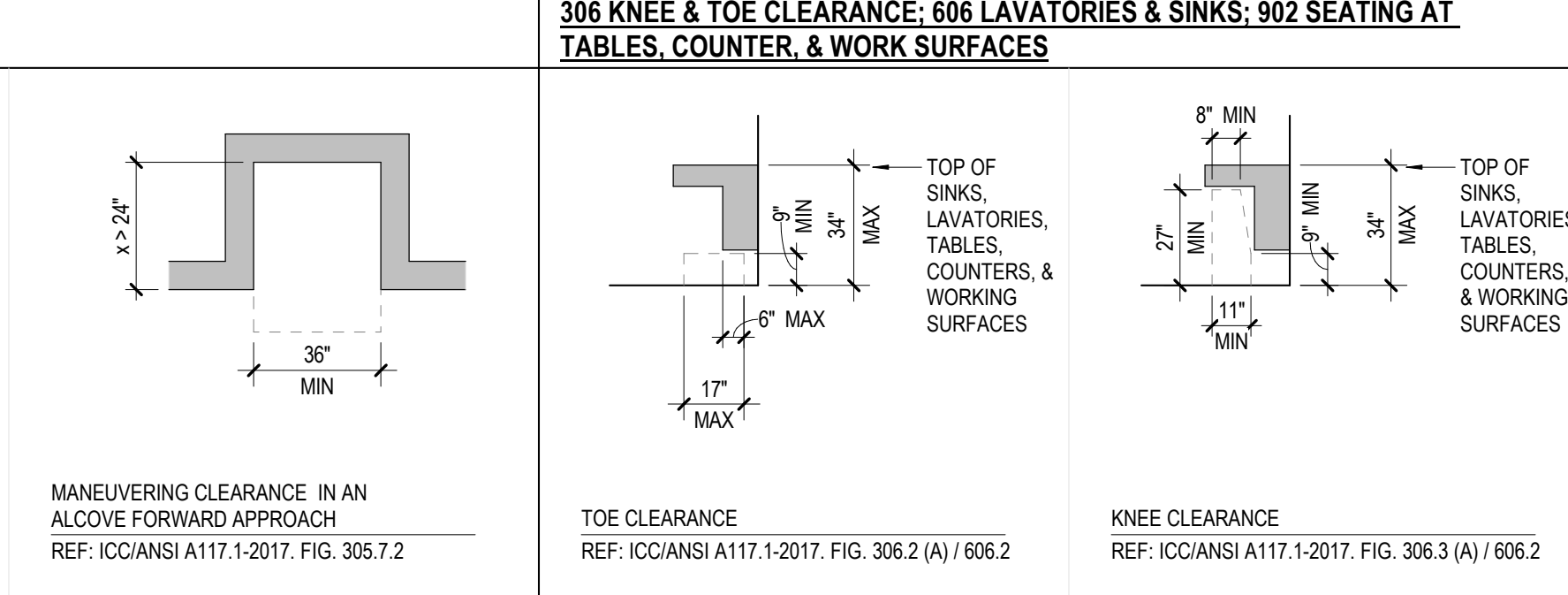
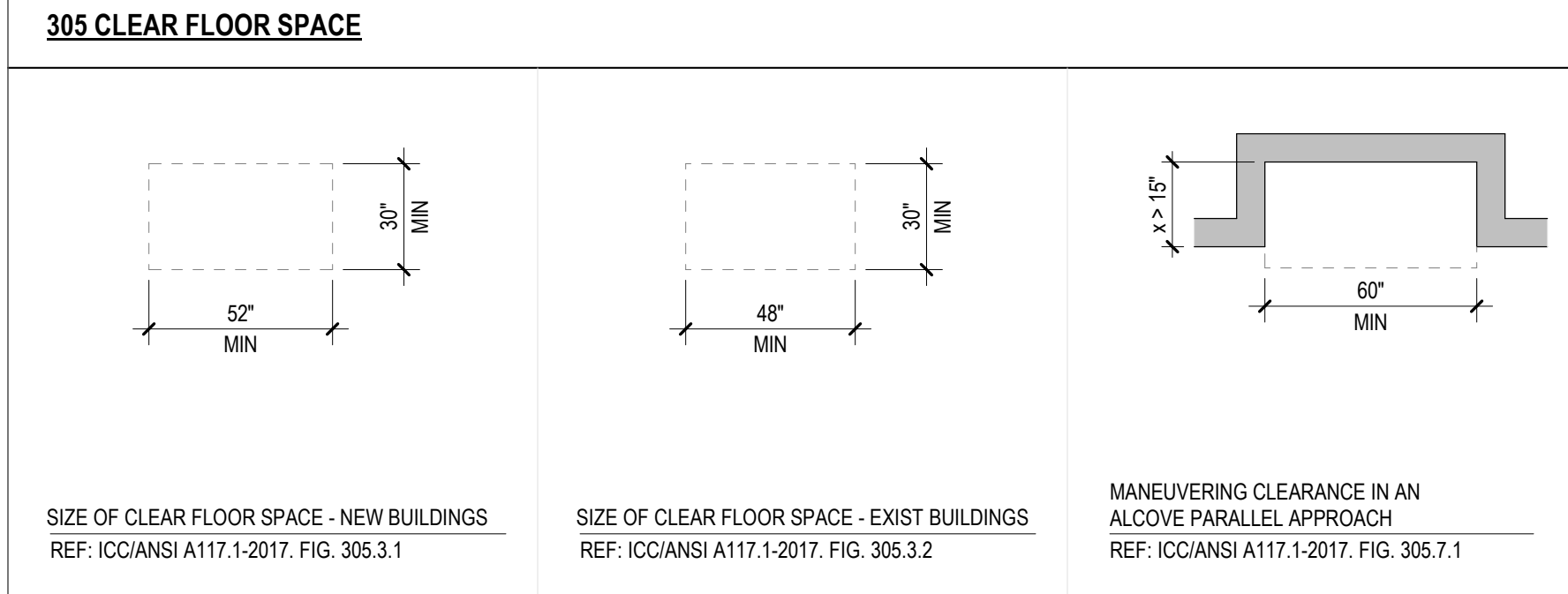
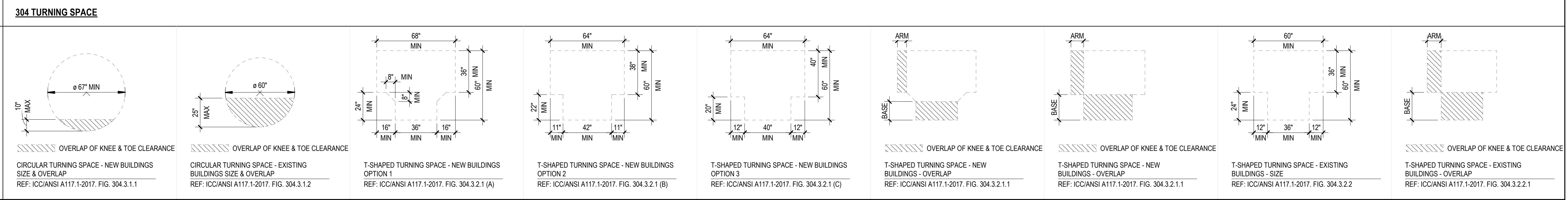
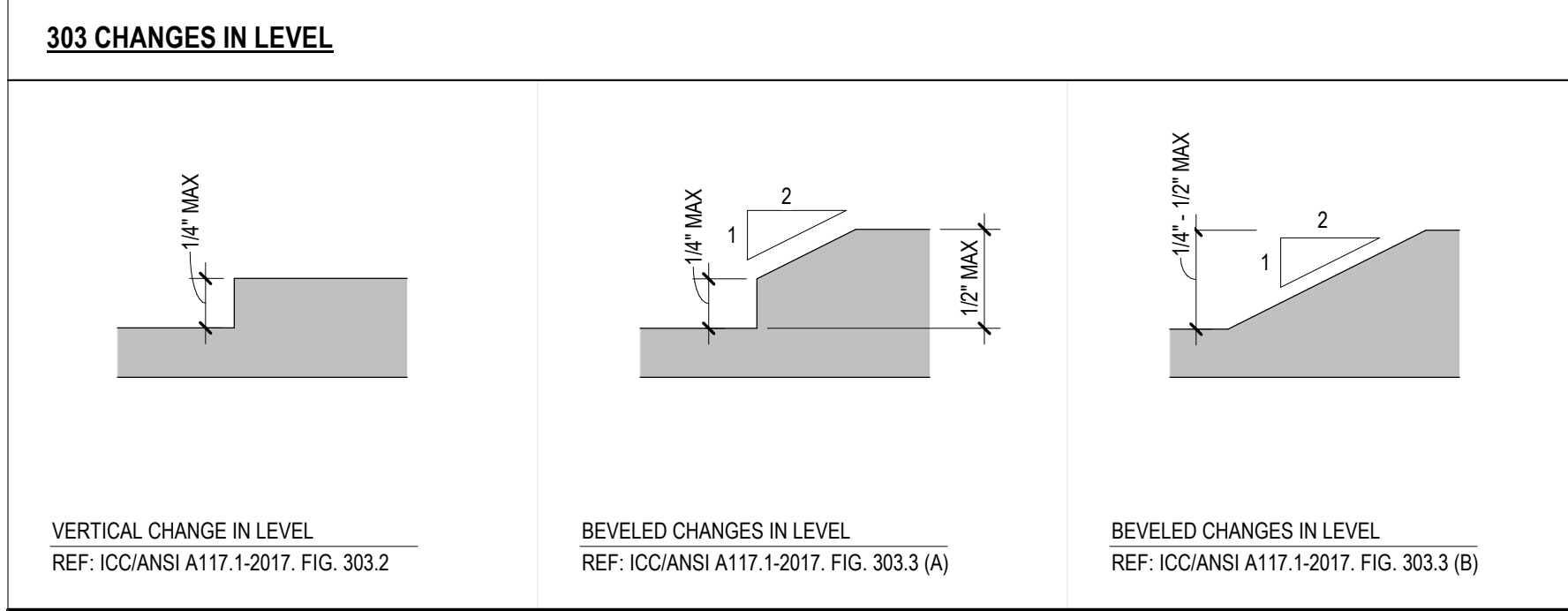
REVISION DATE

TITLE
**COVER SHEET,
INDEX OF
DRAWINGS**

SHEET NO.
G-000

ABBREVIATIONS

| | | | | | | | |
|----------|----------------------------------|------------|--|---------|--------------------------------------|---------|---------------------------------|
| A | ABOVE | ENCR | ENGINEER | LOC | LOCATE, LOCATED, LOCATION | SECT | SECTION |
| ABV | ABOVE | EQ | EQUAL | LLH | LONG LEG HORIZONTAL | SEP | SEPARATE, SEPARATED, SEPARATION |
| AFF | ABOVE FINISHED FLOOR | EQUIP | EQUIPMENT | LLV | LONG LEG VERTICAL | SS | SERVICE SINK |
| AP(R) | ACCESS PANEL (FIRE RATED) | EPDM | ETHYLENE PROPYLENE DIENE MONOMER | LONG | LONGITUDINAL | SHGT | SHEATHING |
| AP(N) | ACCESS PANEL (NOT RATED) | EXH | EXHAUST | LVR | LOUVER | SHT | SHEET |
| AWC | EXISTING WALL COVERING | EXIST | EXISTING | LP | LOW POINT | SR | SHEET RUBBER FLOORING |
| EXP | EXPANSION | EXP | EXPANSION | LP | LOW POINT, LIGHT POLE | SV | SHEET VINYL FLOORING |
| APC | ACOUSTICAL PANEL CEILING | EJ | EXPANSION JOINT | LVT | LUXURY VINYL TILE | SHWR | SHOWER |
| ADDL | ADDITIONAL | EXPD | EXPOSED | LB | POUND | SM | SIMILAR |
| ADJ | ADJACENT | EXP STRUCT | EXPOSED STRUCTURE | LBMT | POUND PER FOOT | SGL | SINGLE |
| ADJ | ADJUSTABLE | EXT | EXTENSION | M | MACHINE | SFL | SINGLE FLY ROOFING |
| AGG | AGGREGATE | EIFS | EXTERIOR INSULATION FINISH SYSTEM | MACH | MACHINE | S CAB | SINK CABINET |
| AH | AIR CONDITIONING | F | FABRIC | MAINT | MAINTENANCE | SW | SLAT WALL |
| AHJ | AIR HANDLING UNIT | FWC | FABRIC WALL COVERING | MH | MANHOLE | SLV | SLEEVE |
| ALT | ALTERNATE | FAB | FABRICATED | MFR | MANUFACTURER, MANUFACTURED | SLD | SLIDING |
| ALUM | ALUMINUM | FAC | FACE OF CONCRETE / CURB | MFG | MANUFACTURERS FINISH | SD | SCAFFOLD |
| AMC | ALUMINUM COMPOSITE MATERIAL | FOC | FACE OF FINISH | MB | MARKER BOARD | SCW | SOLID CORE WOOD |
| AMT | AMOUNT | FOM | FACE OF MASONRY | MAS | MASONRY | SSM | SOLID SURFACE MATERIAL |
| AB | ANCHOR BOLT(S) | FOS | MASONRY CONTROL JOINT | MCJ | MASONRY CONTROL JOINT | SS | SOLID SURFACE MATERIAL |
| ANOD | ANODIZED | FFIN | FACTORY FINISH | MO | MASONRY OPENING | SAB | SOUND ATTENUATION BLANKET |
| APFL | APPLICATION | FAR SIDE | FAR SIDE | MATL | MATERIAL | STC | SOUND TRANSMISSION CLASS |
| APPD | APPROVED | FGB | FIBER GYPSUM BOARD | MAX | MAXIMUM | S | SOUTH |
| APPROX | APPROXIMATE(LY) | FRP | FIBERGLASS REINFORCED POLYESTER PANEL | MECH | MECHANICAL | SPA | SPACE(S) |
| ARCH | ARCHITECTURAL | FV | FIELD VERIFY | MEP | MECHANICAL, ELECTRICAL, PLUMBING | SPEC | SPECIFICATIONS |
| AE | ARCHITECT/ENGINEER | FF | FILTER FABRIC | MED | MEDIUM | SPEC'D | SPECIFIED |
| ASPH | ASPHALT | FIN FLR | FINISH FLOOR | MDD | MEDIUM DENSITY FIBERBOARD | SPLIT | SPLIT FACE |
| @ | AT | FIN GRD | FINISH GRADE | MDO | MEDIUM DENSITY OVERLAY | SPRK | SPRINKLER |
| AV | AUDIOVISUAL | FO | FINISH OPENING | MTL | METAL | SC | SPRINKLER CONTRACTOR |
| AVC | AUDIOVISUAL CONTRACTOR | FIN | FINISHED | MCM | METAL COMPOSITE MATERIAL | SO | SQUARE |
| ADPP | AUTOMATIC DOOR PRESSURE PLATE | FDC | FIRE DEPARTMENT CONNECTION | MP | METAL PANEL | SF | SQUARE FOOT, SQUARE FEET |
| AUG | AUTOMATIC VALVE | MEZ | MEDIA | MFR | MIL PER HOUR | SQ | SQUARE INCH |
| AVG | AVERAGE | FE | FIRE EXTINGUISHER | MPH | MILES PER HOUR | SY | SQUARE YARD |
| B | BAMBOO | FEB | FIRE EXTINGUISHER W/ BRACKET | MIN | MINIMUM | ST | STAIN |
| B | BAMBOO | FEC | FIRE EXTINGUISHER W/ CABINET | MIR | MIRROR | STM | STAIN TO MATCH |
| BCAB | BASE CABINET | FHR | FIRE HOSE AND RACK | MISC | MISCELLANEOUS | SST | STAINLESS STEEL |
| B/C | BEST CABINET OR BEARING PLATE | FR | FIRE RESISTANT CABINET | MSD | MOISTURE RESISTANT | STD | STANDARD |
| BS | BASEMENT | FR | FIRE RESISTANT | MRCB | MOISTURE RESISTANT GYPSUM BOARD | SP | STAIRWELL |
| BM | BEAM | FP | FIRE PROOFING | MDG | MOLDING | STL | STEEL |
| BRG | BEARING | FR | FIRE RESISTANT, FIRE RETARDANT | MUN | MONUMENT | STIFF | STIFFENER |
| BFF | BELOW FINISH FLOOR | FIXT | FIXTURE | MTD | MOUNTED | STOR | STORAGE |
| BMK | BENCH MARK | BENT | BENT | MUL | MULLION | SD | STORM DRAIN |
| BT | BENT | FLASH | FLASHING | N | NEAR | STRUCT | STRUCTURAL |
| BTWN | BETWEEN | FLR | FLOOR | NF | NEAR FACE | SBFL | SUB-FLOOR |
| BTUM | BUTYMINOUS | FCO | FLOOR CLEAN OUT | NS | NEAR SIDE | SUB | SUBSTITUTE |
| BLK | BLOCK | FD | FLOOR DRAIN | NSF | NET SQUARE FEET | SA | SUPPLY AIR |
| BLKG | BLOCKING | FDF | FLOOR TO FLOOR | NSR | NET SQUARE FOOT COEFFICIENT | SRF | STRUCTURE |
| BD | BOARD | FSE | FOOD SERVICE EQUIPMENT | NOM | NOMINAL | SM | SURFACE MOUNTED |
| BW | BOTH WAYS | FSEC | FOOD SERVICE EQUIPMENT CONTRACTOR | NS | NON SHRINK | SUSP | SUSPENDED |
| BT | BOTTOM | FT (I) | FOOT OR FEET | NORTH | NORTH | SYM | SYMMETRY/SYMMETRICAL |
| BT | BOTTOM OF | FTG | FOOTING | NA | NOT APPLICABLE | TS | TACK BOARD |
| BOS | BOTTOM OF STEEL | FCN | FOUNDATION | NBC | NOT IN CONTRACT | T | TACK SURFACE / TACK STRIP |
| BV | BOTTOM OF WALL | FH | FULL HEIGHT | NTS | NOT TO SCALE | TF | TACKABLE FABRIC |
| BR | BRICK | FS | FULL SIZE | NO (#) | NUMBER | T CAB | TALL CABINET |
| BRP | BRICK PAVERS | FT | FULLY TEMPERED (GLASS) | O | | TAP | TAPERED |
| BTU | BRITISH THERMAL UNIT | FURN | FURNITURE, FURNISH (ED) | OFF | OFFICE | TAP | TAPERED |
| BRZ | BROUZE | FURR | FURRING | OC | ON CENTER | TEL.COM | TELECOMMUNICATIONS |
| BLDG | BUILDING | OFF | OFFICE | OPNG | OPENING | TC | TELECOMMUNICATIONS CONTRACTOR |
| BEJ | BUILDING EXPANSION JOINT | GALV | GALVANIZED | OPR | OPERABLE | TEL | TELEPHONE |
| BU | BUILT-UP | GAUGE | Gauge GAGE | OPP | OPPOSITE | TV | TELEVISION |
| BUR | BUILT-UP ROOFING | GEN | GENERAL | OH | OPPOSITE HAND | TEMP | TEMPERATURE |
| BLH | BULKHEAD | GC | GENERAL CONTRACTOR | ORIG | ORIGINAL | T & S | TEMPERATURE & SHRINKAGE |
| BG | BUMPER GUARD / CRASH RAIL | GIRD | GIRDERS | ORN | ORNAMENTAL | TR | TEMPERED GLASS |
| C | CABINET | GL.BLK | GLASS BLOCK | OZ | OUNCE | TEMP | TEMPORARY |
| GFR | GLASS FIBER REINFORCED CONCRETE | GL | GLASS | OO | OUT TO OUT | TZ | TERRAZZO |
| CH | CABINET HEATER | GL | GLASS OR GLAZING | OA | OUTSIDE DIMENSION | TT | TERRAZZO TILE |
| CHT | CHARTER | GLAZ | GLAZED | OF | OUTSIDE FACE, OVERFLOW | TK | THICK |
| CP | CARPET TILE | GT | GLAZED TILE | OA | OVERALL | TH | THRESHOLD |
| CI | CAST IRON | GT | GLAZED TILE | OAL | OVERALL LENGTH | THRU | THROUGH |
| CIP | CAST IRON PIPE | GRD | GRADE | ORF | OVERFLOW ROOF DRAIN | TLT | TOILET |
| CP | CAST-IN-PLACE | GB | GRAB BAR, GRADE BEAM | OS | OVERFLOW SCUPPER | TA | TOILET ACCESSORY |
| CB | CATCH BASIN | GR | GRADE | OCI | OWNER INSTALLED | TPO | TOILET PAPER DISPENSER |
| CLG | CEILING | GRD | GRADE | OFC | OWNER FURNISHED CONTRACTOR INSTALLED | TPN | TOILET PARTITION |
| CEM | CEMENT | GROM | GROMMET | OFOI | OWNER FURNISHED OWNER INSTALLED | T&G | TONGUE AND GROOVE |
| CBM | CEMENTITIOUS BACKER BOARD | GND | GROUND | P | PART | T&B | TOP & BOTTOM |
| CTR | CENTER | GR | GROUT | P | PAINT | T | TOP OF |
| CL | CENTERLINE | GR | GROUT | CL | PAINT TO MATCH | TD | TOP OF CONCRETE |
| CL | CENTER OF GRAVITY | GYP | GYPSUM | PTD | PAINTED | TF | TOP OF FOOTING |
| CIC | CENTER TO CENTER | GYP BD | GYPSUM BOARD | PAR | PAIR | TJST | TOP OF JOIST |
| CR | CERAMIC | GYP | GYPSUM BOARD | PML | PANEL | TMAS | TOP OF MASONRY |
| CMT | CERAMIC MOSAIC TILE | GRG | GYPSUM FIBER REINFORCED GYPSUM | PNL | PANEL | TIS | TOP OF STEEL, STRUCTURE OR SLAB |
| CBT | CERAMIC TILE | GWB | GYPSUM WEATHENS BOARD | PNL | PANEL | TWAL | TWALL |
| CWB | CERAMIC TILE BASE | GWB | GYPSUM WALL BOARD | PTJ | PAPER TOWEL DISPENSER | TR | TRASH RECEPTACLE |
| CWT | CERAMIC WALL TILE | H | HAND | PART BD | PARTICLE BOARD | T | TREAD |
| CR | CHAIR RAIL | HCP | HANDICAPPED | PTN | PARTITION | TS | TUBE STEEL |
| CHBD | CHALK BOARD | HR | HANDRAIL | PTN | PARTITION | TYP | TYPICAL |
| CHBM | CHALKBOARD | HDB | HANDBOARD | PMT | PERMITS | UC | UNDER-CUT |
| HOB | HARDWARE | PERF | PERFORATED | UC | UNDER-CUT | US | UNDERSIDE OF |
| CLR | CLEAR OUT | PERM | PERMETER | US | UNDERSIDE OF | PLAS | PLASTER |
| CL | CLEARANCE | HW | HARDWOOD FLOORING | PLAS | PLASTER | LAM | PLASTIC LAMINATE |
| CL | CLOSET | HD | HEAD | LAM | PLASTIC LAMINATE | PH | PLATE, PROPERTY LINE |
| CTG | COUNTING | HTG | HEATING | PLUM | PLUMBING | UNO | UNLESS NOTED OTHERWISE |
| CFM | COLD FORMED METAL FRAMING | HC | HEATING CONTRACTOR | PLUM | PLUMBING | UNO | UNLESS NOTED OTHERWISE |
| COL | COLD WATER | HVAC | HEATING, VENTING, AIR CONDITIONING | PC | PLUMBING CONTRACTOR | UTL | UTILITY |
| CW | COLUMN | HT | HEIGHT | PLVWD | PLYWOOD | V | VACUUM |
| CWP | COMPOSITE WALL PANEL | H & H | HIGH POINT | PT | POINT | VAC | VACUUM |
| CMP | CONCRETE MASONRY UNIT | HS | HIGH STRENGTH | PC | POLISHED | VB | VAPOR BARRIER |
| CONN | CONNECTION | HSB | HIGH STRENGTH BOLT | PCF | POLYVINYL CHLORIDE | VAV | VARIABLE AIR VOLUME |
| CONST | CONSTRUCTION | HM | HOLLOW METAL | PCP | POUNDS PER CUBIC FOOT | VAR | VARIES |
| CJ | CONSTRUCTION / CONTROL JOINT | HK | HOOK | PCI | POUNDS PER CUBIC INCH | VARN | VARNISH |
| CONT | CONTINUOUS | HORIZ | HORIZONTAL | PFB | POUNDS PER LINEAR FOOT | VERT | VERTICAL |
| CONTR(S) | CONTRACTOR(S) | HB | HOSE BIB | PSF | POUNDS PER SQUARE FOOT | VF | VENT THROUGH ROOF |
| CK | CORK | HW | HOT WATER | PSI | POUNDS PER SQUARE INCH | VF | VENTILATION (OR VENTILATOR) |
| ONGD | CORNER GUARD | HP | HOT WATER HEATER | PP | POUNDS PER SQUARE INCH | VERT | VERTICAL |
| CG | CORNER GUARD | HR | HOUR | PSI | POUNDS PER SQUARE INCH | VEST | VESTIBULE |
| CMP | CORRUGATED METAL PIPE | I | ILLUMINATED | PVC | PRECAST | VAT | VINYL ASBESTOS TILE |
| CSK | COUNTERSUNK | ILLUM | ILLUMINATED | PREFAB | PREFABRICATED | VB | VINYL BASE |
| CRSE | COURSE(S) | IN | INCHES | PREFIN | PREFINISHED | VCT | VINYL COMPOSITION TILE |
| CF | CUBIC FOOT | INCL | INCLUDE(S) | PT | PRESSURE TREATED | VP | VINYL PLANK FLOORING |
| CF | CUBIC YARD | INFO | INFORMATION | PT | PRESSURE TREATED | VT | VINYL TILE |
| Q | INSIDE DIAMETER | INSUL | INSULATION | PROP | PROPOSED | VWC | VINYL WALLCOVERING |
| INSP | INSPECT | INSUL | INSULATION | PA | PUBLIC ADDRESS | VTR | VITREOUS |
| INST | INSTALL, INSTALLED, INSTALLATION | INSUL | INSULATION | Q | QUANTITY | VOL | VOLUME |
| DP | DEEP | INSUL | INSULATION | QTY | QUANTITY | W | WATER |
| DEG | DEGREE | ITMPS | INSULATING TRANSLUCENT WALL PANEL SYSTEM | QUAN | QUANTITY | WH | HOT WATER HEATER |
| DMSG | DEMISING | INT | INTERIOR | QTY | QUANTITY | WL | WALL |
| DEMO | DEMOLITION | INV | INVERT | QTY | QUANTITY | WCAB | WALL CABINET |
| DNT | DEMOUNTABLE | I.J. | ISOLATION JOINT | QTY | QUANTITY | WTR | WATER |
| DTM | DETAIL | JAN | JANITOR | QTY | QUANTITY | WC | WATER CLOSET |
| DIAG | DIAGONAL | JT | JOINT | QTY | QUANTITY | WR | WATER RESISTANT |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | WS | WATER STOP |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | W | WATER, WEST |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | WR | WATER RESISTANT |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | W | WATER, WEST |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | WR | WATER RESISTANT |
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| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | WR | WATER RESISTANT |
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| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | WR | WATER RESISTANT |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | W | WATER, WEST |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | WR | WATER RESISTANT |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | W | WATER, WEST |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | WR | WATER RESISTANT |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | W | WATER, WEST |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | WR | WATER RESISTANT |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | W | WATER, WEST |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | WR | WATER RESISTANT |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | W | WATER, WEST |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | WR | WATER RESISTANT |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | W | WATER, WEST |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | WR | WATER RESISTANT |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | W | WATER, WEST |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | WR | WATER RESISTANT |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | W | WATER, WEST |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | WR | WATER RESISTANT |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | W | WATER, WEST |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | WR | WATER RESISTANT |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | W | WATER, WEST |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | WR | WATER RESISTANT |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | W | WATER, WEST |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | WR | WATER RESISTANT |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | W | WATER, WEST |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | WR | WATER RESISTANT |
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| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | WR | WATER RESISTANT |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | W | WATER, WEST |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | WR | WATER RESISTANT |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | W | WATER, WEST |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | WR | WATER RESISTANT |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | W | WATER, WEST |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | WR | WATER RESISTANT |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | W | WATER, WEST |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | WR | WATER RESISTANT |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | W | WATER, WEST |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | WR | WATER RESISTANT |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | W | WATER, WEST |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | WR | WATER RESISTANT |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | W | WATER, WEST |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | WR | WATER RESISTANT |
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| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | WR | WATER RESISTANT |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | W | WATER, WEST |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | WR | WATER RESISTANT |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | W | WATER, WEST |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | WR | WATER RESISTANT |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | W | WATER, WEST |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | WR | WATER RESISTANT |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | W | WATER, WEST |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | WR | WATER RESISTANT |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | W | WATER, WEST |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | WR | WATER RESISTANT |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | W | WATER, WEST |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | WR | WATER RESISTANT |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | W | WATER, WEST |
| DIA | DIAMETER | JST | JOIST | QTY | QUANTITY | WR | WATER RESISTANT |
| DIA | DIAMETER | JST | | | | | |



GENERAL ACCESSIBILITY NOTES

- ACCESSIBILITY DIAGRAMS ARE FROM ICC A117.1-2017 ACCESSIBILITY AND USABLE BUILDINGS AND FACILITIES.
- ACCESSIBILITY DIAGRAMS ARE INCLUDED FOR INFORMATION TO ASSIST THE CONTRACTOR IN LAYOUT, DIMENSIONS, INSTALLATION OF VARIOUS ELEMENTS AND CLEARANCES REQUIRED INSIDE AND OUTSIDE THE BUILDING.
- DIMENSIONS INDICATED TO BE CLEAR, MINIMUM, OR MAXIMUM SHALL BE INCLUSIVE OF FINISHES APPLIED TO WALLS / FLOORS.
- DIMENSIONS AND CLEARANCES SHOWN MUST BE PROVIDED AT ALL DOORS. CONTRACTOR SHALL REVIEW FIELD LAYOUT AND CONFIRM THAT ALL OF THE APPROPRIATE CLEARANCES ARE PROVIDED. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ARCHITECTS ATTENTION. ANY REMEDIAL WORK THAT SHOULD HAVE BEEN AVOIDED BY BRINGING DISCREPANCIES TO THE ARCHITECTS ATTENTION SHALL BE AT THE CONTRACTORS EXPENSE.

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STATE OF SOUTH CAROLINA
 REGISTERED ARCHITECT
 No. 100028

PROJECT TITLE
**HGTC - DIESEL ENGINE TRAINING FACILITY
 INTERIOR RENOVATION**
 HORRY-GEOGETOWN TECHNICAL COLLEGE
 470 ALLED DR., CONWAY, SC

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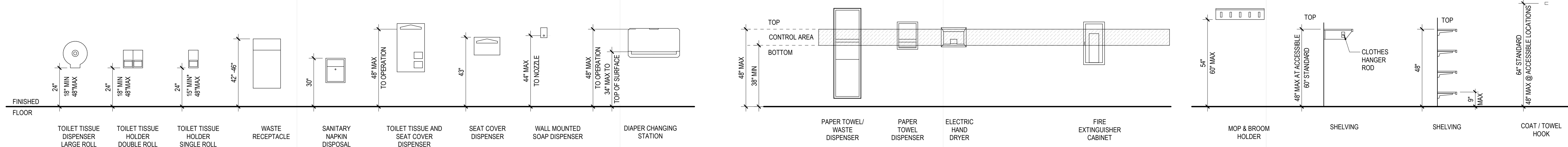
ISSUE DATE: 1.14.2022
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REVISION: DATE

SHEET NO.
G-200

MOUNTING HEIGHTS DIAGRAM

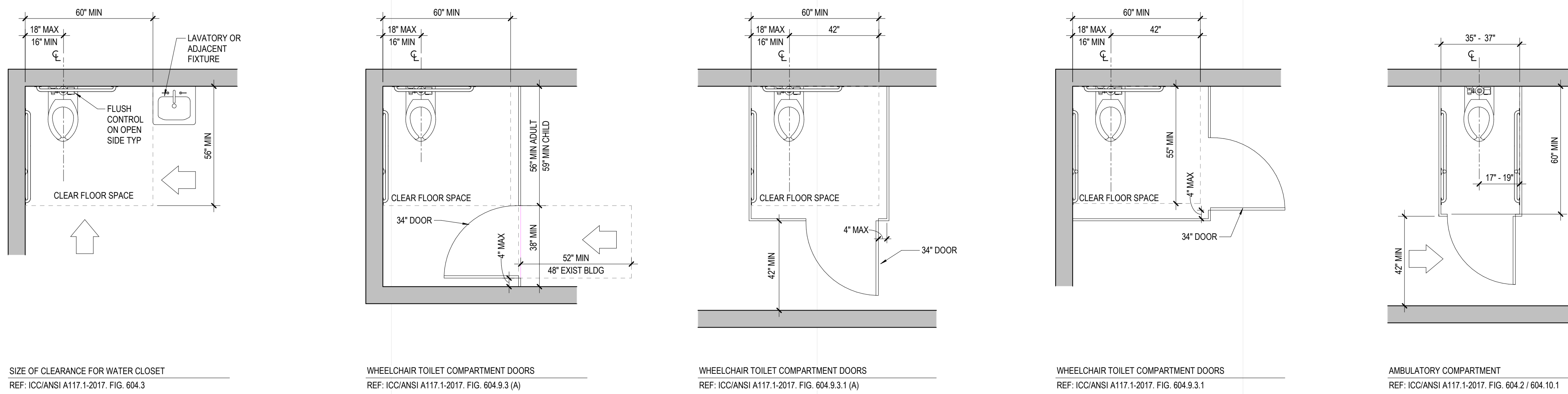
NOTE: HIGHEST OPERABLE PART OF CONTROLS, DISPENSER, RECEPTACLES, AND OTHER OPERABLE EQUIPMENT SHALL NOT EXCEED HEIGHTS BELOW. OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 LBS MAX.



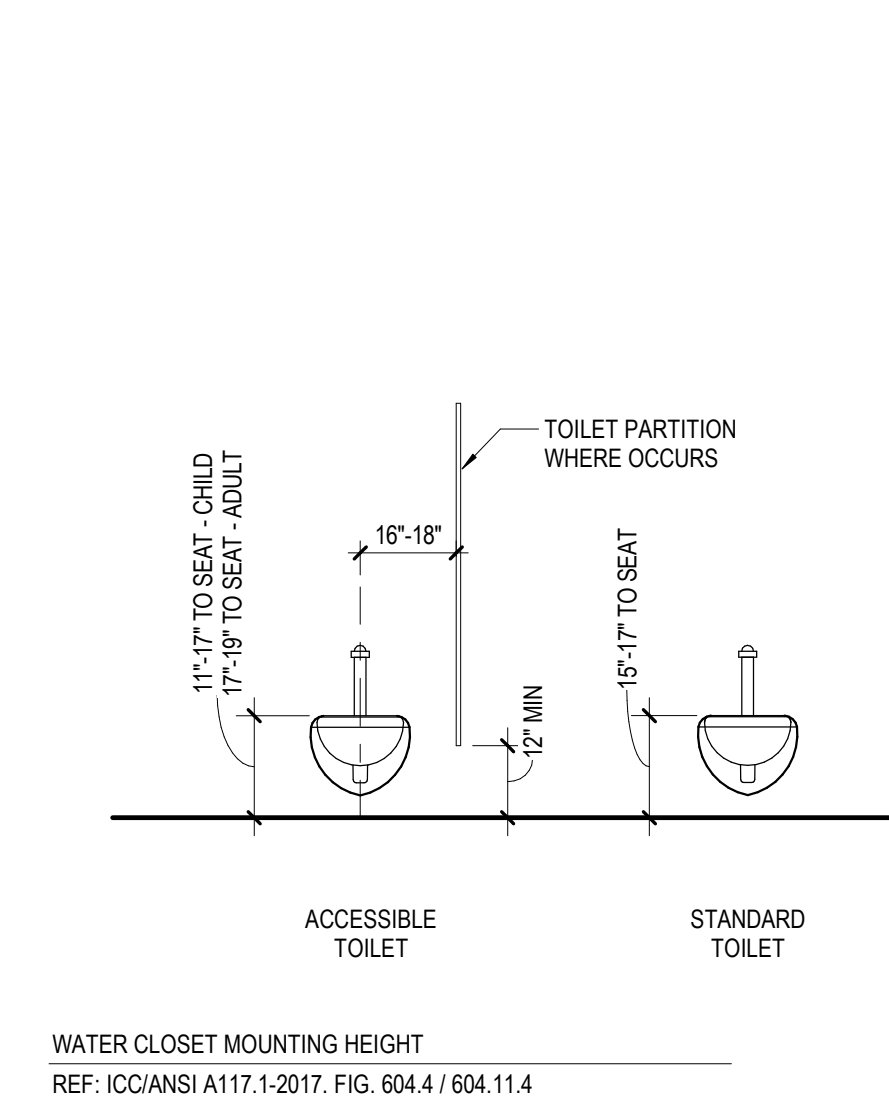
ACCESSORY NOTES

- A. SEE PLANS / ENLARGED PLANS & SPECIFICATIONS FOR ACCESSORY LOCATIONS AND SPECIFIC TYPES. REFERENCE ACTUAL SPECIFIED PRODUCTS FOR DIMENSIONS AND SIZES (NOTE THAT CLEARANCES AND REACH RANGES SHALL BE COORDINATED BASED ON FINAL SUBMITTED PRODUCTS). ALL ACCESSORY TYPES SHOWN MAY NOT BE UTILIZED.
- B. SEE BELOW FOR GRAB BAR REQUIREMENTS AND ACCESSORY MOUNTING PARAMETERS.
- C. CONTRACTOR SHALL PROVIDE MOCK-UP OF TOILET ACCESSORY LOCATIONS AT ACCESSIBLE STALL / ROOM FOR REVIEW BY ARCHITECT AND SPECIAL INSPECTORS PRIOR TO INSTALLING ACCESSORIES AT ALL LOCATIONS.
- D. PROVIDE BLOCKING AT ALL WALL MOUNTED ACCESSORY LOCATIONS.

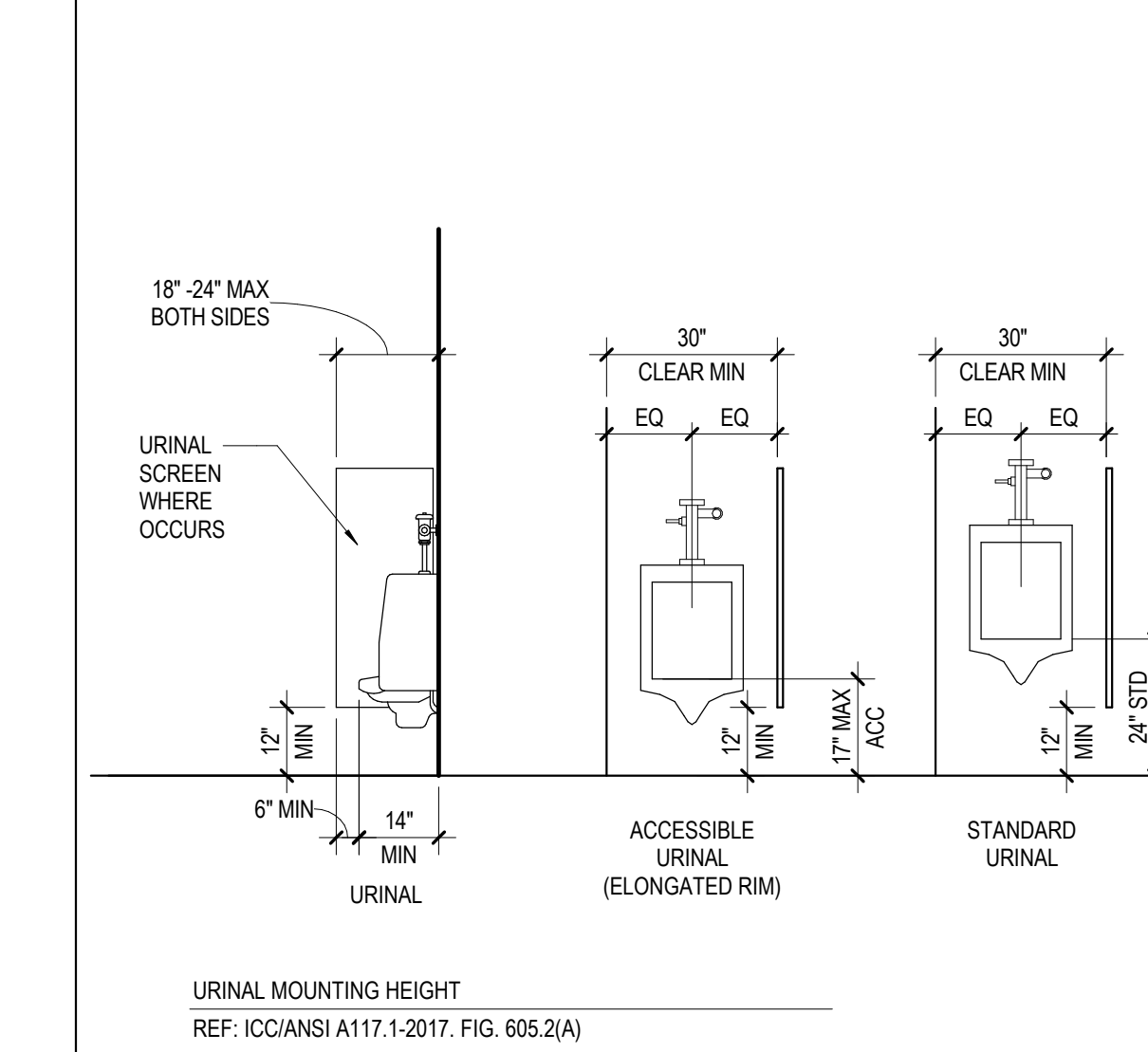
604 WATER CLOSETS AND TOILET COMPARTMENTS



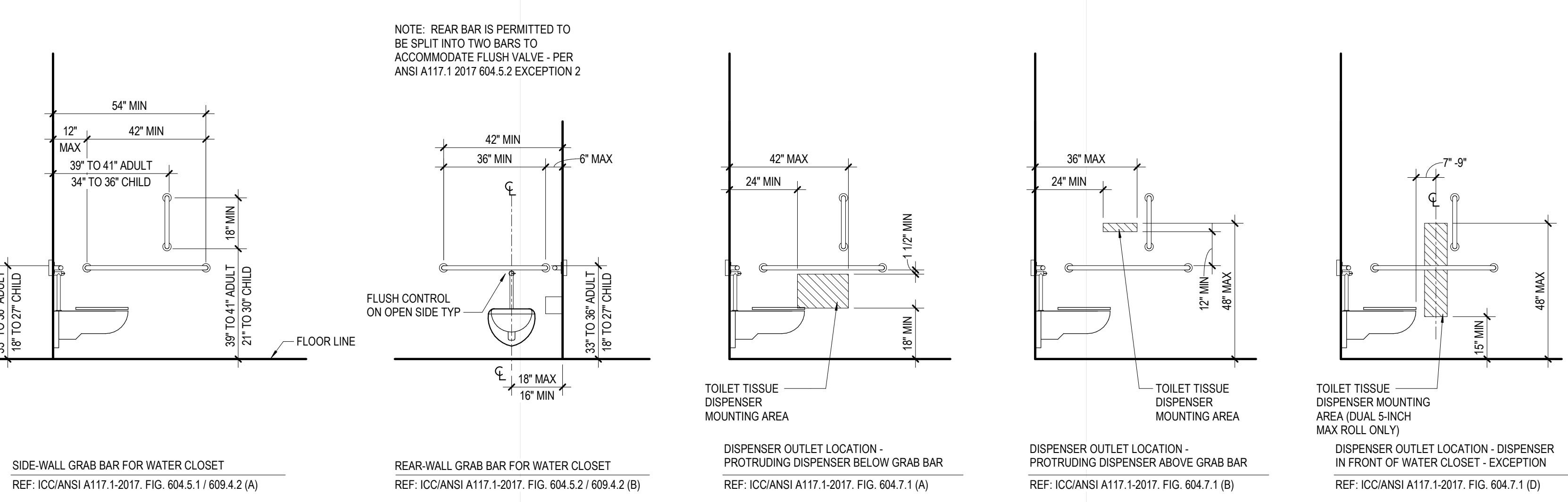
WATER CLOSET MOUNTING HEIGHTS



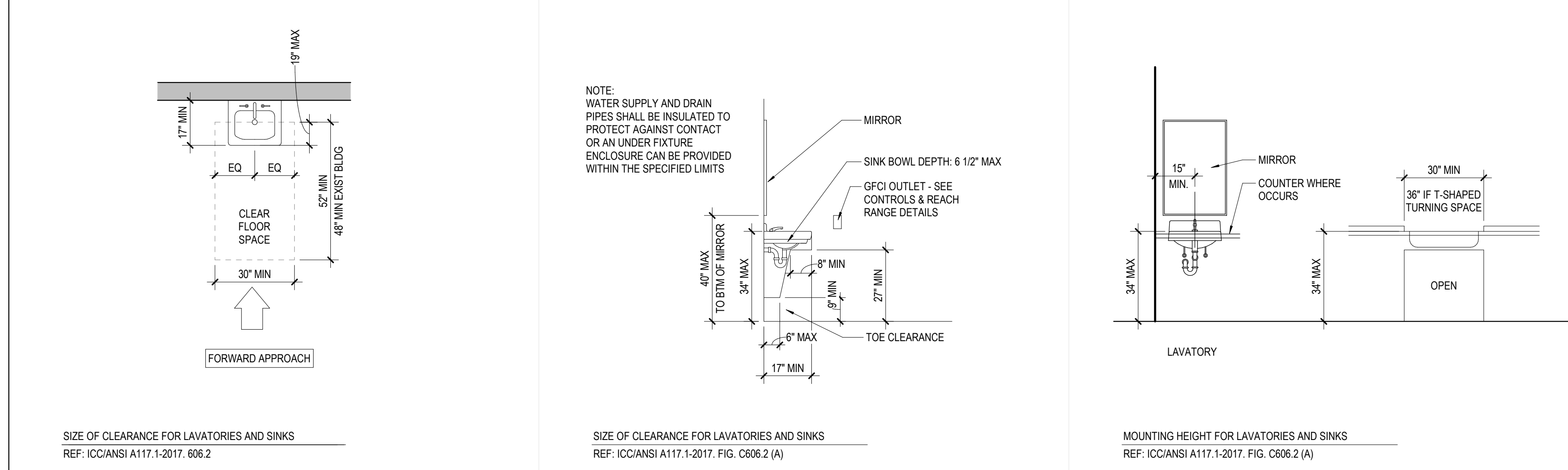
URINAL MOUNTING HEIGHTS



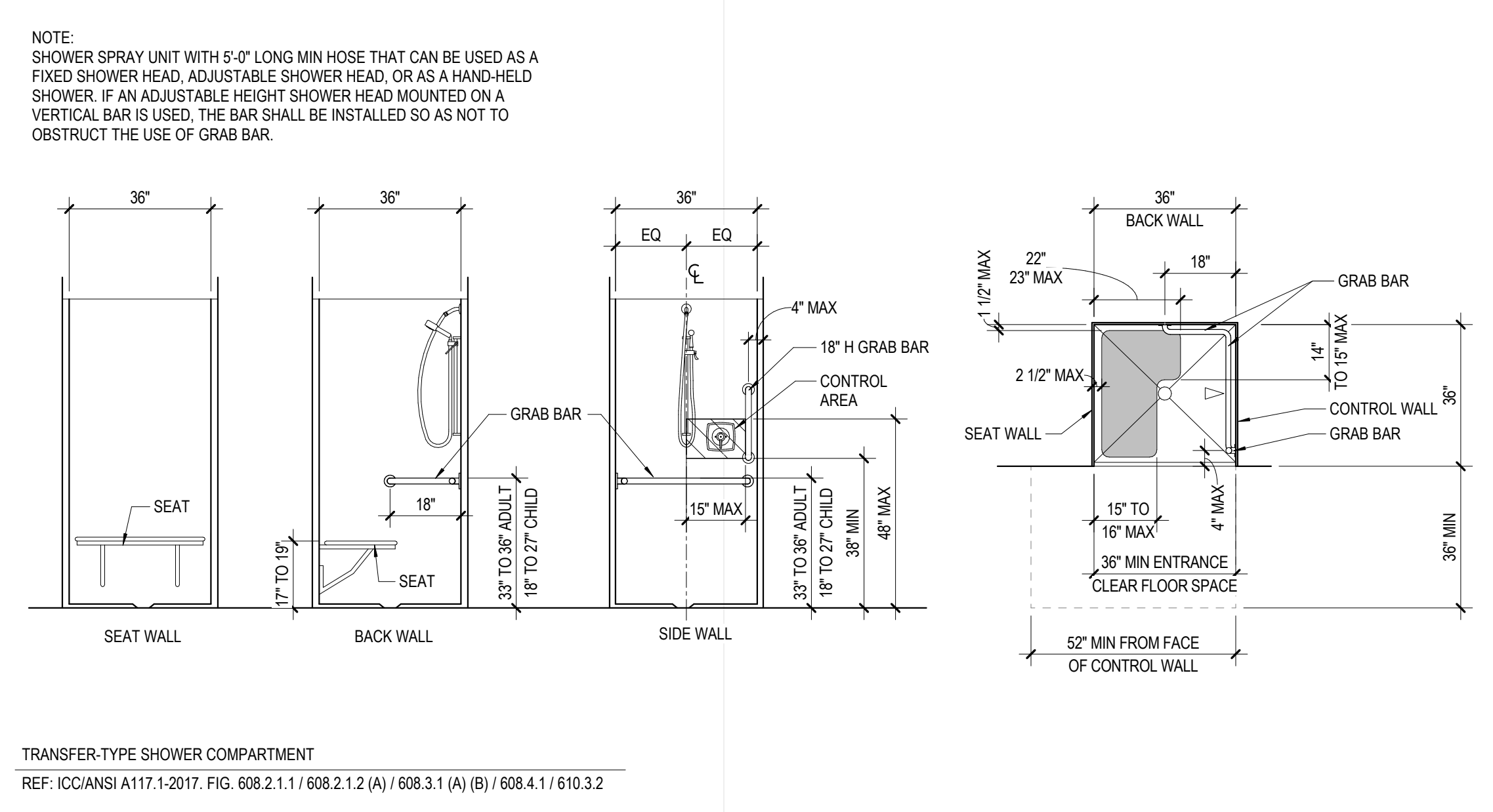
TYPICAL ACCESSIBLE WATER CLOSET ACCESSORY CONFIGURATION REQUIREMENTS



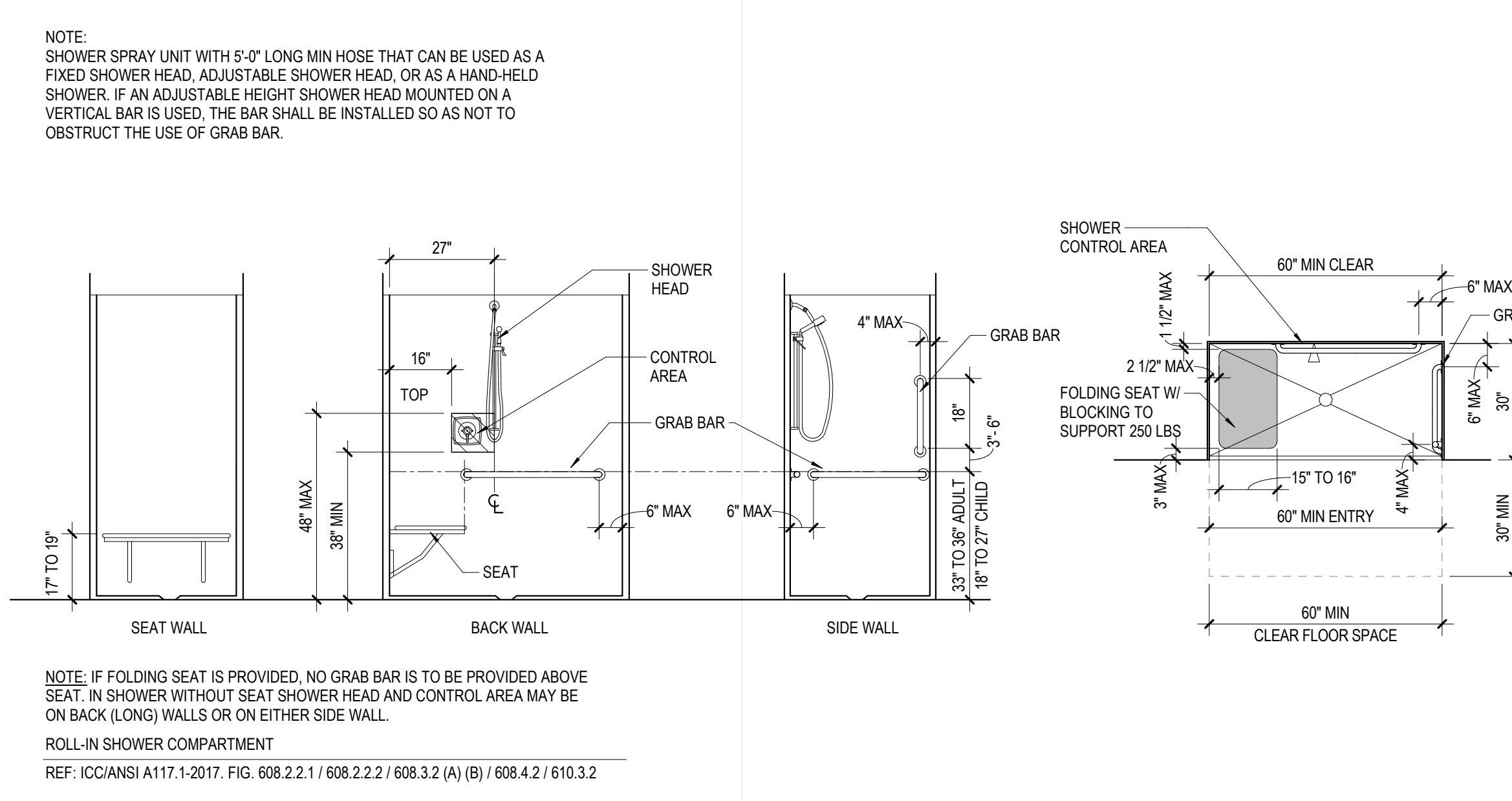
606 LAVATORIES AND SINKS



608 SHOWER COMPARTMENTS

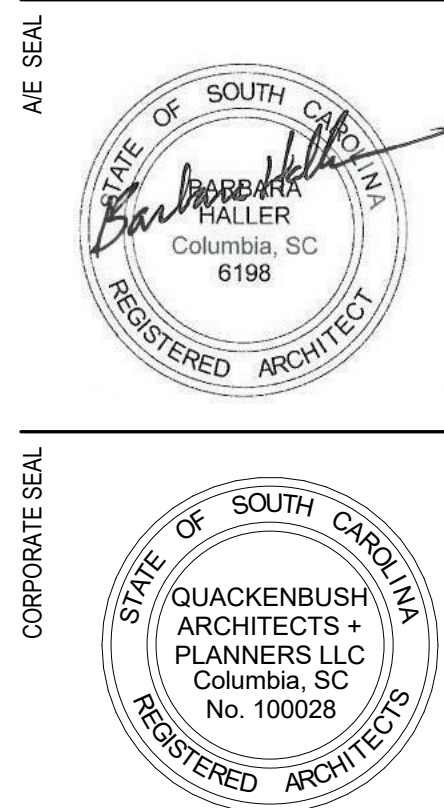


608 SHOWER COMPARTMENTS



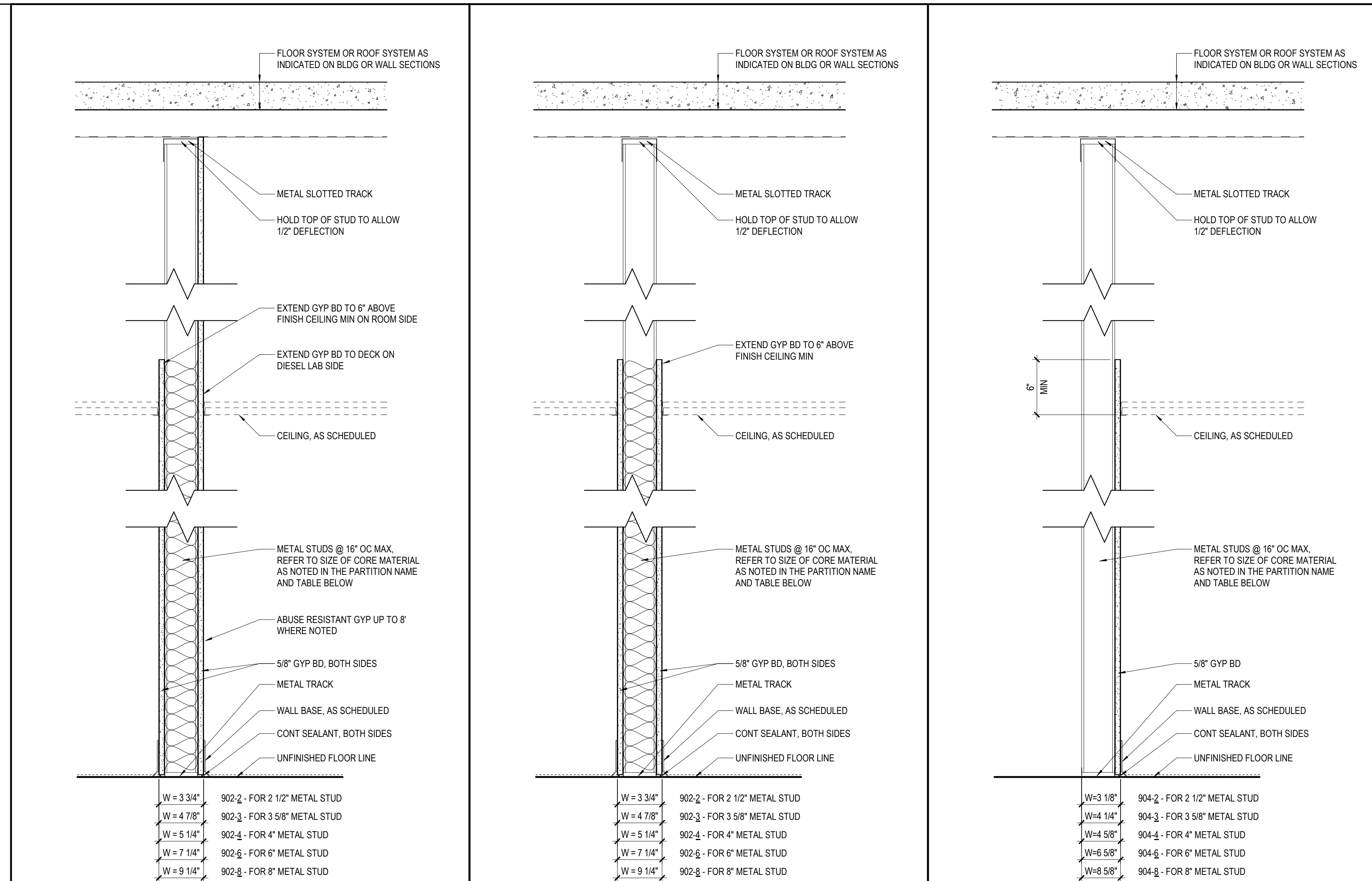
GENERAL ACCESSIBILITY NOTES

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| PARTITION NAME | SIZE CORE MATERIAL | FIRE RATING | TEST NO. | ACOUSTIC RATING | SCALE |
|----------------|--------------------|-------------|----------|-----------------|----------------|
| 902-2A | 2 1/2" (2) | N/A | N/A | *49 | 1-1/2" = 1'-0" |
| 902-3A | 3 5/8" (3) | | | | |
| 902-4A | 4" (4) | | | | |
| 902-6A | 6" (6) | | | | |
| 902-8A | 8" (8) | | | | |

| PARTITION NAME | SIZE CORE MATERIAL | FIRE RATING | TEST NO. | ACOUSTIC RATING | SCALE |
|----------------|--------------------|-------------|----------|-----------------|----------------|
| 902-2 | 2 1/2" (2) | N/A | N/A | *49 | 1-1/2" = 1'-0" |
| 902-3 | 3 5/8" (3) | | | | |
| 902-4 | 4" (4) | | | | |
| 902-6 | 6" (6) | | | | |
| 902-8 | 8" (8) | | | | |

| PARTITION NAME | SIZE CORE MATERIAL | FIRE RATING | TEST NO. | ACOUSTIC RATING | SCALE |
|----------------|--------------------|-------------|----------|-----------------|----------------|
| 904-2 | 2 1/2" (2) | N/A | N/A | N/A | 1-1/2" = 1'-0" |
| 904-3 | 3 5/8" (3) | | | | |
| 904-4 | 4" (4) | | | | |
| 904-6 | 6" (6) | | | | |
| 904-8 | 8" (8) | | | | |

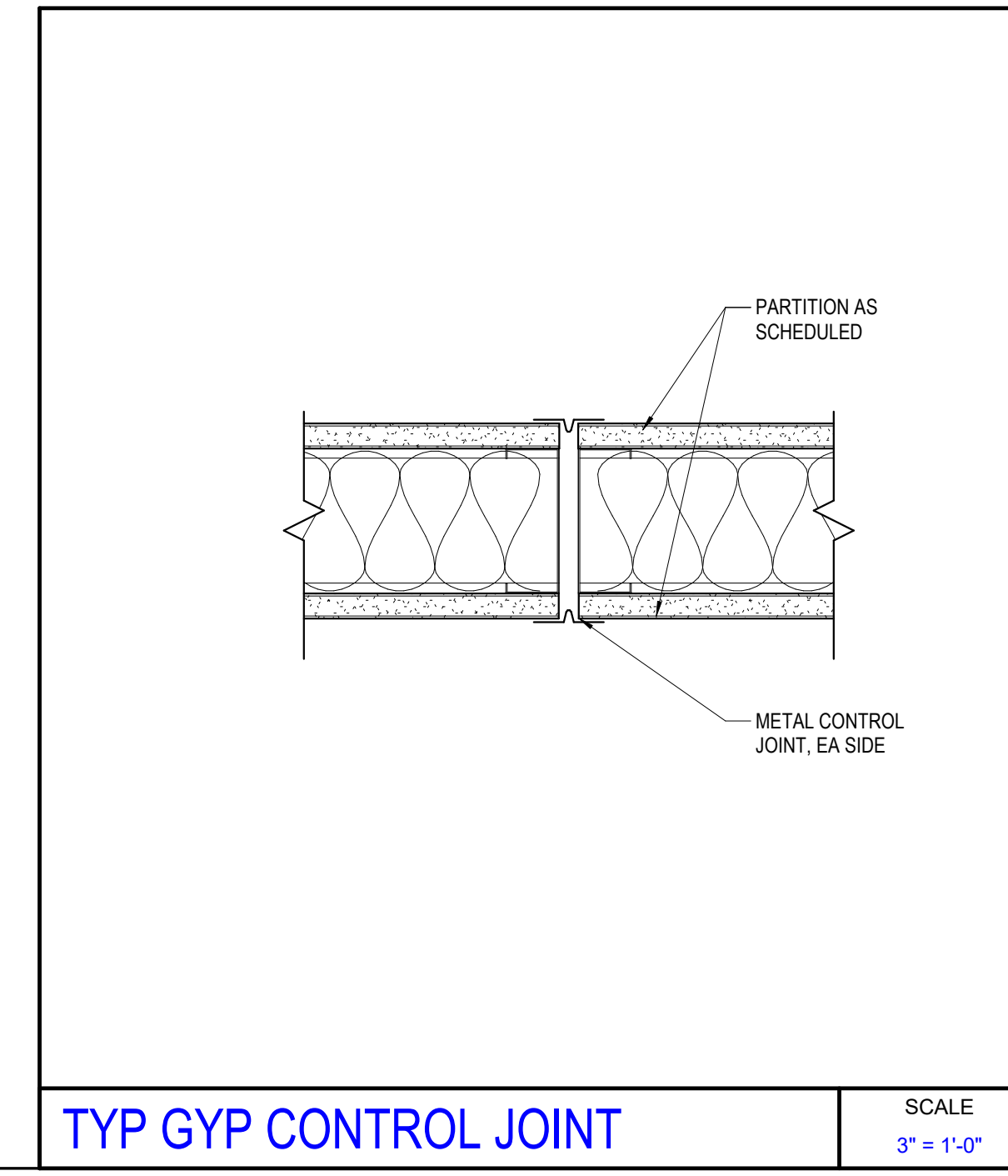
GENERAL INTERIOR PARTITION NOTES

- PARTITION TYPE DETAILS APPLY UNLESS INDICATED OTHERWISE ON WALL SECTIONS, SECTION DETAILS AND PLAN DETAILS.
- PARTITION WALLS THAT ARE PARALLEL WITH COLUMN LINES SHALL BE CENTERED ON COLUMN LINES UNLESS NOTED OTHERWISE.
- ALL PARTITIONS SHOWN AS GYPSUM BOARD / METAL STUD ON PLANS, BUT NOT TAGGED AS A PARTITION OR DETAILED ELSEWHERE IN THE DRAWINGS SHALL BE ASSUMED TO BE PARTITION TYPE 901-3a. CONFIRM WITH ARCHITECT PRIOR TO CONSTRUCTION.
- EXTEND ALL PARTITIONS AND FINISH TO STRUCTURE ABOVE AT EXPOSED STRUCTURE (NO CEILING) OR FLOATING CEILING AREAS REGARDLESS OF PARTITION TYPE.
- IF PIPING OR CONDUIT DOES NOT FIT WITHIN PARTITION AS SCHEDULED, FURR WALL AS REQUIRED TO CONCEAL PIPING. MATCHING ADJACENT WALL MATERIAL AND FINISH. VERIFY DIMENSIONS AND EXTENTS WITH ARCHITECT PRIOR TO INSTALLING.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL OPENINGS AND HOLES (INCLUDING THOSE REQUIRED FOR DUCTWORK AND LARGE SYSTEM PIPING, CONDUIT AND CABLE TRAY) IN PARTITIONS. INCLUDE SECTIONS, SIZE, LOCATION, AND DETAIL INFORMATION OF OPENINGS AS PART OF COORDINATION DRAWINGS.
- AT ALL RATED AND NON-RATED PARTITIONS NOTED TO EXTEND TO DECK, ALL PENETRATIONS SHALL BE SEALED (INCLUDING CONDUIT, PIPING, DUCTWORK, ETC.) WHERE JOISTS / BEAMS PENETRATE WALLS EXTENDING TO DECK, GYPSUM BOARD SHALL BE FILLED AROUND JOISTS / BEAMS AND GAPS FILLED WITH INSULATION AND SEALED.
- ALL PIPE AND CONDUIT PENETRATIONS THROUGH CMU AND STUD PARTITIONS SHALL BE SEALED. HOLES SHALL BE NO GREATER THAN 1" OVER THE PIPE OR CONDUIT SIZE (UNLESS NOTED OTHERWISE OR REQUIRED OTHERWISE BY CODE). WHERE PENETRATIONS ARE EXPOSED TO VIEW, ESCUTCHEON PLATE SHALL BE PROVIDED BY SUB-CONTRACTOR. PLATE SHALL BE PAINTABLE AND PAINTED TO MATCH ADJACENT WALL (INCLUDES INTERIOR AND EXTERIOR WALLS).
- AT ALL PENETRATIONS AT RATED PARTITIONS AND FLOOR / CEILING ASSEMBLIES, PROVIDE UL LISTED FIRE RESISTIVE SEALANT / FIRE STOP SYSTEM TO MATCH THE FIRE RESISTANCE OF WALL AND FLOOR / CEILING ASSEMBLY. SYSTEM SHALL BE COMPATIBLE WITH ADJACENT SUBSTRATES. SUBMIT PENETRATION ASSEMBLY INFORMATION AND PRODUCT INFORMATION FOR ALL CONDITIONS FOR THE ARCHITECT'S REVIEW.
- CONTROL JOINTS: GYPSUM BOARD / METAL STUDS (C/J) SHALL BE AS SHOWN OR 25'-0" OC MAX. IF NOT SHOWN, VERIFY EXACT LOCATIONS WITH ARCHITECT IF NOT SHOWN / DIMENSIONED.
- ALL RATED WALLS SHALL RECEIVE STENCILED TEXT ON CONTINUOUS PAINTED BAND ABOVE CEILING AS FOLLOWS: 2" HIGH STENCILED TEXT READING "X-HOUR FIRE (SMOKE) BARRIER - PROTECT ALL OPENINGS" OR "X-HOUR FIRE WALL - PROTECT ALL OPENINGS" TO BE PAINTED (RED) ON ALL RATED WALL ASSEMBLIES (ABOVE CEILING WHERE SUSPENDED CEILING OCCURS). TEXT IS TO BE PAINTED ON BOTH SIDES OF EACH RATED WALL. 40" OC WITH 1" WIDE LINE PAINTED (RED) BETWEEN TEXT. DO NOT PAINT ON WALLS IN OCCUPIABLE ROOMS WITH EXPOSED STRUCTURE.
- SEE FLOOR PLANS FOR LOCATION AND RATINGS AT ALL FIRE RATED PARTITIONS AND/OR FIRE WALLS.
- UTILIZE TYPE "X" GYPSUM BOARD AT ALL RATED WALLS TO COMPLY WITH UL TEST STANDARDS.
- UTILIZE MOISTURE & MOLD RESISTANT GYPSUM BOARD AT PARTITIONS REGARDLESS OF PARTITION TYPE.
- AT ALL JOINTS AT THE TOP OF ALL FIRE RATED WALLS AND PARTITIONS AND AT CONTROL JOINTS, PROVIDE COMPLETE UL LISTED FIRE RESISTIVE JOINT SYSTEM TO MATCH FIRE RESISTANCE OF THE WALL ASSEMBLY AND THAT ARE COMPATIBLE WITH JOINT SUBSTRATES. SUBMIT COMPLETE JOINT SYSTEM PRODUCT INFORMATION FOR ALL CONDITIONS FOR THE ARCHITECT'S REVIEW.
- PROVIDE CONTINUOUS BLOCKING IN ALL PARTITIONS WHERE INDICATED AND WHERE REQUIRED FOR ALL WALL MOUNTED EQUIPMENT (INCLUDING CHIMNEY FURNISHED AND INSTALLED EQUIPMENT), TOILET ACCESSORIES, HANDRAILS AND CASEWORK.
- PROVIDE A SEALANT JOINT AT ALL INTERSECTIONS OF GYPSUM BOARD WALLS OR GYPSUM BOARD CEILING WITH CMU OR CONCRETE PARTITIONS.
- PROVIDE DRAFT STOP AT TOP OF ALL WALL ASSEMBLIES THAT DO NOT CONTINUE TIGHT TO STRUCTURE - INCLUDING PLUMBING CHASES.
- ACOUSTIC RATINGS SHOWN ARE APPROXIMATE STC (SOUND TRANSMISSION CLASS) RATING FOR WALL ASSEMBLY. ALL PENETRATIONS THROUGH WALL AND PERIMETER OF WALL SHALL BE SEALED TO MAINTAIN STC OF WALL ASSEMBLY.

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PROJECT TITLE
**HGTC - DIESEL ENGINE TRAINING FACILITY
 INTERIOR RENOVATION**
 HARRY-GEORGETOWN TECHNICAL COLLEGE
 470 ALLED DR., CONWAY, SC

CORPORATE SEAL
 STATE OF SOUTH CAROLINA
 REGISTERED ARCHITECT
 No. 100028



TYP GYP CONTROL JOINT
 SCALE 3" = 1'-0"

PARTITION TYPE KEY

PARTITION TYPE REFERENCE

CORE / STRUCTURAL MATERIAL (SPECIFICATION SECTION) - NOMINAL SIZE OF CORE MATERIAL - FIRE RATING / SPECIALTY - NUMBERING SEQUENCE - WALL MODIFIERS

XXX-Xxx

PARTITION TYPE CODING / LEGEND

| | |
|--|------------------------------------|
| CORE / STRUCTURAL MATERIAL (SPECIFICATION SECTION) | NUMBERING SEQUENCE |
| 4 MASONRY (CMU) | 0-9 SEQUENTIAL NUMBERING |
| 5 STRUCTURAL METAL STUDS | CORE MATERIAL SIZE (NOMINAL SIZE) |
| 6 WOOD STUDS | 2 2 1/2" METAL STUD |
| 9 METAL STUDS (NON-STRUCTURAL) | 3 3 5/8" METAL STUD |
| | 4 4" METAL STUD / CMU |
| | 6 6" METAL STUD / CMU / CONCRETE |
| | 8 8" METAL STUD / CMU / CONCRETE |
| | 12 12" METAL STUD / CMU / CONCRETE |
| FIRE RATING / SPECIALTY | WALL MODIFIERS |
| 0 NOT RATED | a ACOUSTIC BATTS |
| 1 1 HOUR RATED | c CEMENT BOARD |
| 2 2 HOUR RATED | m MOISTURE RESISTANT GWB |
| 3 3 HOUR RATED | r RESILIENT CHANNELS |
| S SMOKE PARTITION | |
| A ACOUSTIC / SOUND RATED PARTITION | |

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REVISION DATE

TITLE
**TYPICAL PARTITION
 DETAILS AND
 RATING SYSTEM,
 PARTITION TYPES**

SHEET NO
G-400

LIFE SAFETY PLAN LEGEND

NOTE: SEE PARTITION TYPES, EXTERIOR WALL SYSTEMS, FLOOR SYSTEMS AND ROOF SYSTEMS FOR UL DESIGNATION NUMBERS

- ONE-HOUR FIRE-RESISTANCE RATING
FIRE BARRIER IBC 707 - INCIDENTAL USES, FIRE PARTITION IBC 708, SHAFT ENCLOSURE IBC 713, FLOOR / ROOF ASSEMBLY IBC 711
- TWO-HOUR FIRE-RESISTANCE RATING
FIRE WALL IBC 706, FIRE BARRIER IBC 707, SHAFT ENCLOSURE IBC 713, FLOOR / ROOF ASSEMBLY IBC 711
- THREE-HOUR FIRE-RESISTANCE RATING
(FIRE WALL IBC 706)
- FOUR-HOUR FIRE-RESISTANCE RATING
(FIRE WALL IBC 706)
- 30-MINUTE FIRE-RESISTANCE RATING
(FIRE PARTITION IBC 708 - 708.3 EXCEPTIONS)
- SMOKE BARRIER
(SMOKE BARRIER IBC 709 - REQUIRES 1-HOUR FIRE-RESISTANCE RATING)
- SMOKE PARTITION
(SMOKE PARTITION 710 - NON-RATED)
- CONSTRUCTION CAPABLE OF RESISTING THE PASSAGE OF SMOKE
(INCIDENTAL USES IBC 309.4.2 AND COMMENTARY)

FEC-SR
FIRE EXTINGUISHER (MULTI-PURPOSE) IN WALL MOUNTED CABINET
STYLE:
SR=SEMI-RECESSED
FR=FULLY-RECESSED
S=SURFACE
FEC-K-SR (GLASS K STYLE FIRE EXT FOR KITCHENS)

FEC-B
FIRE EXTINGUISHER (MULTI-PURPOSE) ON WALL BRACKET

EXIT SIGN WITH DIRECTION ARROW

EXIT ACCESS TRAVEL DISTANCE (250 FEET MAX)
COMMON PATH OF TRAVEL (75 FEET MAX)

NAME NAME ROOM / SPACE NAME

NAME ROOM / SPACE NUMBER

NAME ROOM / SPACE NUMBER

NAME ROOM / SPACE NAME

NAME OCCUPANCY CLASSIFICATION (IBC CH 3)

NAME MAXIMUM FLOOR AREA ALLOWANCE PER OCCUPANT (IBC TABLE 1004.1.2)

NAME CALCULATED OCCUPANT LOAD

NAME ROOM / SPACE AREA

NAME CALCULATED OCCUPANT LOAD EXITING ROOM / SPACE (DIVIDED BY NUMBER OF EXITS)

NAME EGRESS TYPE (DOOR)

NAME ACTUAL OCCUPANT LOAD EXITING ROOM / SPACE

NAME CALCULATED OCCUPANT CAPACITY OF DOOR (IBC 1005.3.2)

NAME CLEAR WIDTH OF DOOR IN INCHES (SUBTRACTING OUT DOOR THICKNESS AND HABBET) 3" FOR SINGLE DOORS AND 4" FOR DOUBLE DOORS (IBC 1010.1.1)

NAME INCH PER OCCUPANT FACTOR 2 FOR UNSPRINKLERED .15 FOR SPRINKLERED / EMERGENCY VOICE ALARM SYSTEM (IBC 1005.3.2 EXCEPTION 1)

NAME EGRESS TYPE (STAIR)

NAME ACTUAL OCCUPANT LOAD EXITING ROOM / SPACE

NAME CALCULATED OCCUPANT CAPACITY OF STAIR (IBC 1005.3.1)

NAME CLEAR WIDTH OF STAIR IN INCHES (SUBTRACTING OUT STRINGER WIDTH EACH SIDE PER IBC 1003.3.3) MINIMUM 44" (48" ACCESSIBLE BETWEEN RAILS)

NAME INCH PER OCCUPANT FACTOR 3 FOR UNSPRINKLERED 2 FOR SPRINKLERED / EMERGENCY VOICE ALARM SYSTEM (IBC 1005.3.1 EXCEPTION 1)

NAME DIRECTION OF TRAVEL

NAME CUMULATIVE OCCUPANT LOAD

GENERAL NOTES:
A. IBC 1020.4 EXCEPTION 2 - DEAD END CORRIDOR MAX 50 FEET

OSE HAS ADOPTED THE FOLLOWING CODES:

- A. INTERNATIONAL BUILDING CODE (IBC), 2018 EDITION WITH SOUTH CAROLINA MODIFICATIONS
- B. INTERNATIONAL EXISTING BUILDING CODE (IEBC), 2018 EDITION
- C. INTERNATIONAL FIRE CODE (IFC), 2018 EDITION WITH SOUTH CAROLINA MODIFICATIONS
- D. INTERNATIONAL ENERGY CONSERVATION CODE (IECC), 2009 EDITION
- E. INTERNATIONAL FUEL GAS CODE (IFGC), 2018 EDITION WITH SOUTH CAROLINA MODIFICATIONS
- F. INTERNATIONAL MECHANICAL CODE (IMC), 2018 EDITION WITH SOUTH CAROLINA MODIFICATIONS
- G. INTERNATIONAL PLUMBING CODE (IPC), 2018 EDITION
- H. INTERNATIONAL PRIVATE SEWAGE DISPOSAL CODE (IPSDC), 2018 EDITION
- I. INTERNATIONAL PROPERTY MAINTENANCE CODE (IPMC), 2018 EDITION
- J. INTERNATIONAL RESIDENTIAL CODE FOR ONE AND TWO FAMILY DWELLINGS (IRC), 2018 EDITION
- K. INTERNATIONAL WILDLAND-URBAN INTERFACE CODE (IWUIC), 2018 EDITION
- L. INTERNATIONAL CODE COUNCIL PERFORMANCE CODE (ICCPC), 2018
- M. INTERNATIONAL SWIMMING POOL AND SPA CODE (ISPS), 2018
- N. STANDARD FOR BLEACHERS, FOLDING AND TELESCOPING SEATING, AND GRANDSTANDS, ICC 300-2017 EDITION
- O. NATIONAL ELECTRICAL CODE (NEC) (NFPA-70), 2017 EDITION WITH SOUTH CAROLINA MODIFICATIONS
- P. NATIONAL ELECTRICAL SAFETY CODE, IEEE-C2-2017 EDITION
- Q. LATEST ADDITION OF ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
- R. STATE FIRE MARSHAL RULES, REGULATIONS, AND POLICIES
- S. SOUTH CAROLINA ELEVATOR CODE & REGULATIONS
 - A. SC ELEVATOR CODE REFERENCES ASME SAFETY CODE FOR ELEVATORS, DUMBWAITERS, ESCALATORS, AND MOVING WALKS ASME A17.1
- T. STATE OF SC TELEPHONE EQUIPMENT ROOM AND COMMUNICATIONS DATA SYSTEM POLICIES
- U. STATE OF SC BUILDING STANDARDS IN FLOORPLAN AREAS
- V. THE SOUTH CAROLINA MODULAR BUILDINGS CONSTRUCTION ACT

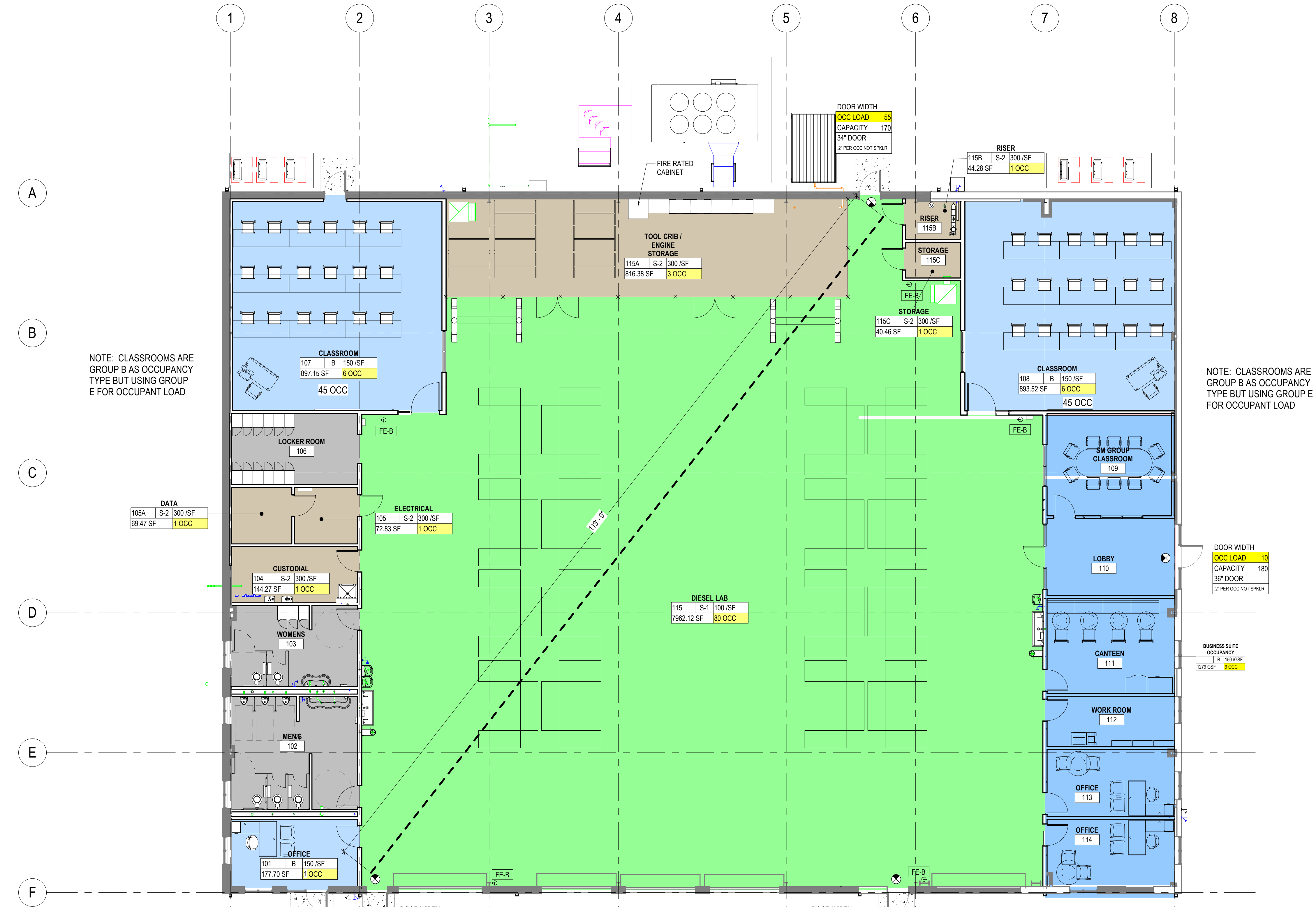
FUEL STORAGE TO OCCUR STORAGE 115C

PER IBC TABLE 307.1(1) - MAXIMUM ALLOWABLE QUANTITIES (MAQ) OF HIGH-HAZARD MATERIALS ALLOWED IN EACH AREA BEFORE HAVING TO CLASSIFY A PART OF THE BUILDING A HIGH HAZARD OCCUPANCY:

- OIL - 5 GALLON CONTAINERS OR LESS, NO MORE THAN 120 GALLONS COMBINED WITH DIESEL - 4 GALLON CONTAINERS OR LESS, MAXIMUM STORAGE HEIGHT 4 FEET, MAXIMUM 120 GALLONS COMBINED WITH DIESEL
- SOLVENT - 5 GALLON CONTAINERS OR LESS, MAXIMUM STORAGE HEIGHT 4 FEET, MAXIMUM 60 GALLONS

PER NOTE P, FUEL IN FUEL TANKS ON VEHICLES ARE NOT INCLUDED WHEN DETERMINING MAXIMUM QUANTITIES.

ADDITIONAL STORAGE IN FIRE RATED STORAGE CABINET.



NOTE: CLASSROOMS ARE GROUP B AS OCCUPANCY TYPE BUT USING GROUP E FOR OCCUPANT LOAD

NOTE: CLASSROOMS ARE GROUP B AS OCCUPANCY TYPE BUT USING GROUP E FOR OCCUPANT LOAD

LIFE SAFETY FLOOR PLAN

TRUE NORTH PROJECT NORTH SCALE: 1/8" = 1'-0"

MAX FLOOR AREA ALLOWANCES PER OCCUPANT BASED ON USE

- RESTROOMS
- ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM (300 GSF)
- ASSEMBLY W/O FIXED SEATS - UNCONCENTRATED (TABLES AND CHAIRS) (15 NSF)
- BUSINESS (150 GSF)
- INDUSTRIAL (100 GSF)

NOTE: DRAWING CONTAINS COLOR AND SHALL BE VIEWED/PRINTED IN COLOR FOR COMPLETE INFORMATION.

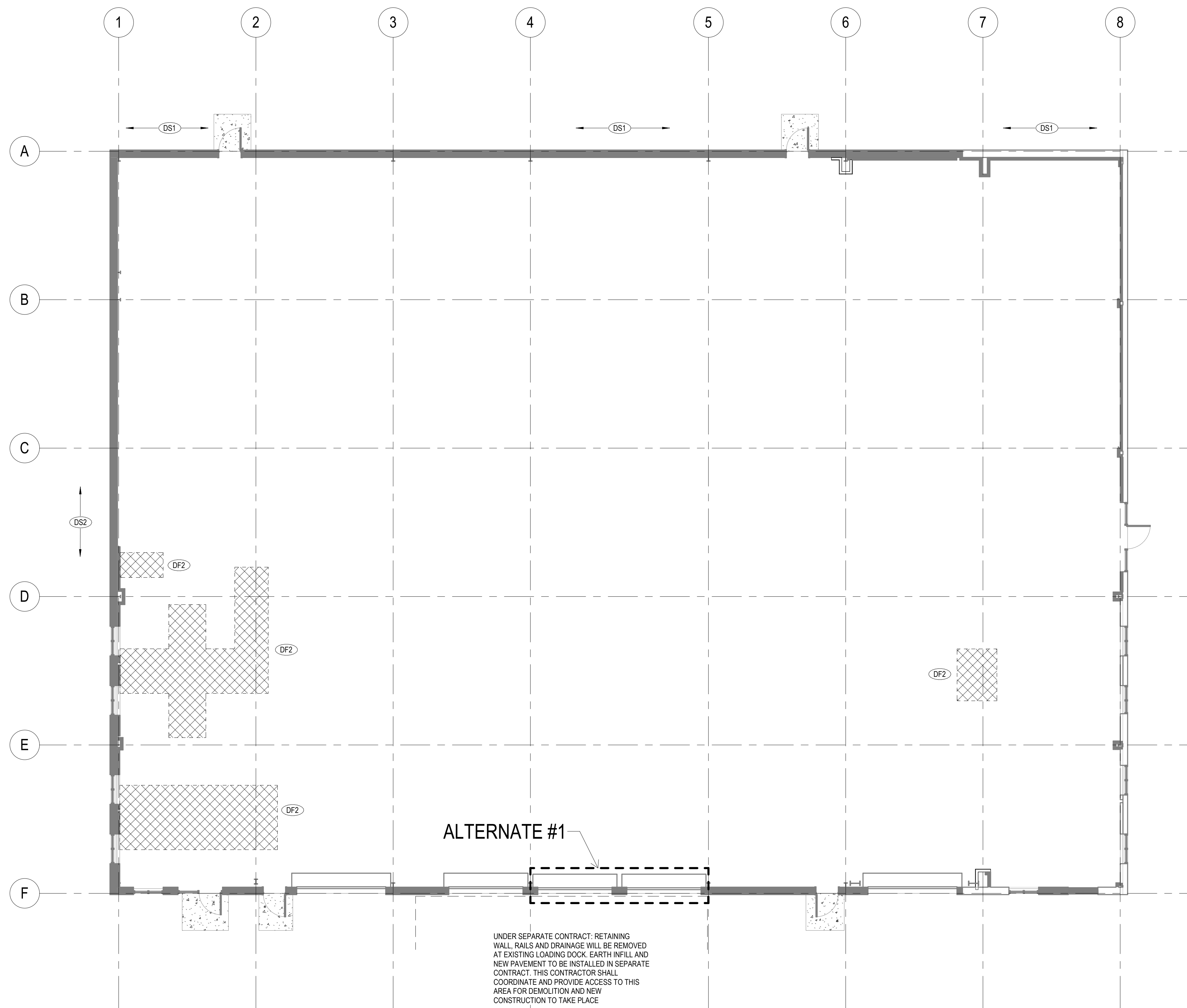
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PROJECT TITLE: **HGTC - DIESEL ENGINE TRAINING FACILITY INTERIOR RENOVATION**
 HARRY-GEORGETOWN TECHNICAL COLLEGE
 470 ALLEED DR., CONWAY, SC

ISSUE DATE: 1.14.2022
 PROJECT NO.: 21.286.00
 STATE PROJECT NO.: H59-N134-MJ

REVISION: DATE

SHEET NO: **LS-201**



DEMOLITION FLOOR PLAN
 SCALE: 1/8" = 1'-0"
 1 AD-101

DEMOLITION PLAN NOTES TO SHEET B

- DF2 REMOVE EXISTING CONCRETE SLAB - SEE PLUMBING
- DS1 REMOVE EXISTING SHRIBS ALONG BUILDING
- DS2 REMOVE EXISTING SHRIBS IN AREA FOR NEW ELECTRICAL SERVICE

GENERAL DEMOLITION NOTES

- A. EXISTING CONDITIONS ILLUSTRATED AS OF **OCTOBER 2021**. AFTER SURVEY AND PRIOR TO CONSTRUCTION, OWNER MAY REMOVE SOME ITEMS NOTED TO BE REMOVED AS A PART OF THIS CONTRACT.
- B. PRIOR TO PREPARING THE BID, THE CONTRACTOR AND SUBCONTRACTORS SHALL VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH ALL EXISTING CONDITIONS. MAKE ALL NECESSARY INVESTIGATIONS AS TO LOCATIONS OF UTILITIES AND ALL OTHER MATTERS WHICH CAN AFFECT THE WORK. NO ADDITIONAL COMPENSATION WILL BE MADE TO THE CONTRACTOR AS A RESULT OF HIS FAILURE TO FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS UNDER WHICH THE WORK MUST BE PERFORMED.
- C. VERIFY DIMENSIONS, ELEVATIONS AND EXISTING CONDITIONS AT THE SITE BEFORE COMMENCING WORK AND REPORT DISCREPANCIES TO THE ARCHITECT FOR RESOLUTION PRIOR TO THE START OF WORK.
- D. ALL ITEMS INDICATED TO REMAIN SHALL BE PROTECTED DURING DEMOLITION AND NEW CONSTRUCTION.
- E. PROVIDE WEATHER TIGHT BARRIERS AT EXISTING EXTERIOR WALLS, ROOFS AND DOORS TO BE REMOVED TO PROTECT ALL INTERIOR FINISHES, MATERIALS, AND EQUIPMENT TO REMAIN.
- F. SHOULD THE CONTRACTOR ENCOUNTER ANY MATERIALS IDENTIFIED AS HAZARDOUS MATERIALS HE SHALL IMMEDIATELY REFER TO THE GENERAL CONDITIONS AND NOTIFY THE OWNER AND THE ARCHITECT.
- G. CONTRACTORS' MATERIALS AND ACTIVITIES SHALL NOT BLOCK ANY EXIT OR IMPAIR FLOOR TO FLOOR FIRE SEPARATION WHILE THE BUILDING IS OCCUPIED.
- H. EXISTING CONCRETE SLABS ON GRADE SHALL BE CAREFULLY REMOVED. PATCHED SLAB AREAS SHALL BE PATCHED WITH 4" MIN. CONCRETE AND FINISHED SMOOTH AND FLUSH WITH ADJACENT SLAB. PROVIDE 4" POROUS FILL AND VAPOR BARRIER UNDER SLAB. PREPARE CONCRETE FOR FINISHES AS SCHEDULED. PROTECT EXISTING WALLS TO REMAIN ABOVE SLAB REMOVAL AREA.
- I. DIMENSIONS ARE TO FACE OF EXISTING WALLS / COLUMNS.
- J. PATCH EXISTING WALLS TO REMAIN TO MATCH EXISTING. PREPARE SURFACE TO RECEIVE NEW FINISHES. AT EXISTING REMAINING WALLS WHERE TACK BOARDS, OUTLETS, THERMOSTATS, ETC. ARE REMOVED, REPAIR CMU GYPSUM BOARD TO RECEIVE NEW FINISHES AS SCHEDULED. PAINT ALL DISTURBED AREAS TO MATCH EXISTING UNO.
- K. IN AREAS OF RENOVATION WORK, PROTECT ALL EXISTING PIPING & INSULATION AND CONDUIT TO REMAIN IN USE. REMOVE ALL ABANDONED CONDUIT AND PIPING ABOVE CEILING.
- L. ALL NEW WORK ADJOINING EXISTING CONSTRUCTION SHALL ALIGN WITH AND MATCH EXISTING CONSTRUCTION UNLESS OTHERWISE DIMENSIONED OR DETAILED.
- M. NEW GYPSUM BOARD CONSTRUCTION MEETING EXISTING CONSTRUCTION IN THE SAME PLANE SHALL BE SMOOTH FLUSH WITH THE EXISTING MATERIALS AND SHOW NO VISIBLE JOINT.
- N. REMOVE EXISTING SHRIBS ALONG BUILDING AS REQUIRED TO INSTALL NEW UTILITIES AND EQUIPMENT. REMOVE TWO TREES ON THE NORTH SIDE OF THE BUILDING.
- O. ALL REMAINING LIGHT FIXTURES, CONDUIT AND SWITCHING SHALL BE REMOVED.
- P. CLEAN CONCRETE AND CMU WHERE ALL WALLS, FLOORING, AND WALL BASE WERE REMOVED. REMOVE ALL ASSOCIATED REMAINING MASTIC.

DEMOLITION & COORDINATION NOTES

- A. REFERENCE SHEET AD-101A FOR DEMOLITION TO BE COMPLETED PRIOR TO PROJECT UNDER SEPARATE CONTRACT. CURRENT SITE CONDITIONS SHALL BE REVIEWED PRIOR TO BIDDING.
- B. COORDINATE EXACT SEQUENCE AND SCHEDULE OF DEMOLITION W/ OWNER AND ARCHITECT PRIOR TO BEGINNING. DO NOT REMOVE ENVELOPE SYSTEMS UNTIL TEMPORARY WATER TIGHT BARRIERS ARE IN PLACE OR NEW SYSTEMS ARE ON SITE READY FOR INSTALLATION.
- C. SEE MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS FOR ADDITIONAL DEMOLITION WORK. COORDINATE SEQUENCE AND SCHEDULE OF DEMOLITION AND NEW CONSTRUCTION SYSTEMS. MAINTAIN EXISTING SYSTEMS IN PLACE AS LONG AS PRACTICAL. NOTIFY OWNER & ARCHITECT A MINIMUM OF 72 HOURS PRIOR TO UTILITY DISRUPTIONS.

DEMOLITION LEGEND

- EXISTING WALL TO REMAIN
- EXISTING CONSTRUCTION TO REMAIN
- APPROXIMATE AREA OF EXISTING 10" THICK CONCRETE SLAB TO BE REMOVED. SAW CUT AS NECESSARY FOR NEW FOOTING, PLUMBING, ELECTRICAL, ETC. AREA REMOVED SHALL BE PATCHED WITH 10" THICK MINIMUM 3000 PSI CONCRETE AND FINISHED SMOOTH AND FLUSH WITH ADJACENT SLAB. PROTECT EXISTING WALLS TO REMAIN ABOVE SLAB REMOVAL AREA OR RECONSTRUCT WALL TO MATCH EXISTING

NOTE: REFERENCE SHEET A-901 FOR ALTERNATE

PHOTOS TAKEN BEFORE DEMOLITION



WAREHOUSE WEST SIDE - LOOKING NORTH WEST



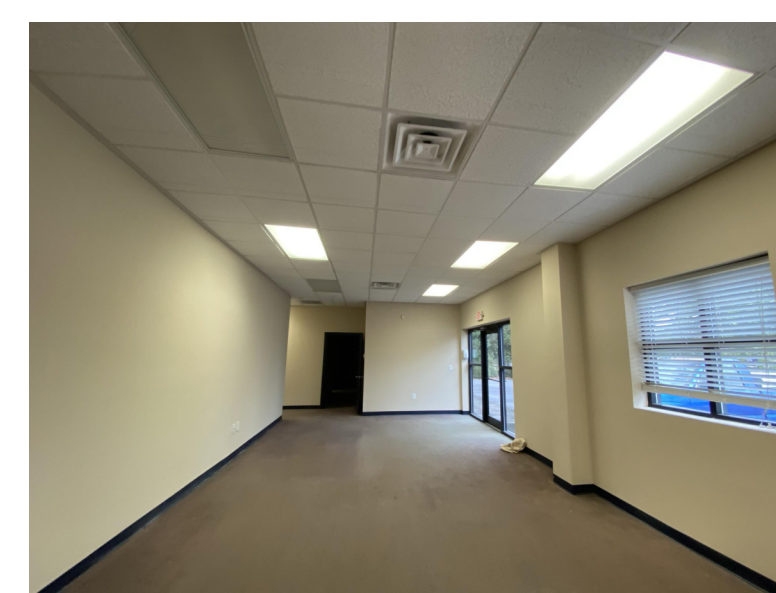
WAREHOUSE EAST SIDE - LOOKING EAST



ROLL UP DOORS AT LOADING DOCK - INTERIOR ALTERNATE #1



LANDSCAPING AT NORTH SIDE OF BUILDING



EAST SIDE LOBBY



TYPICAL OFFICE



ROLL UP DOORS AT LOADING DOCK - EXTERIOR ALTERNATE #1



LANDSCAPING AT WEST SIDE OF BUILDING



RESTROOM



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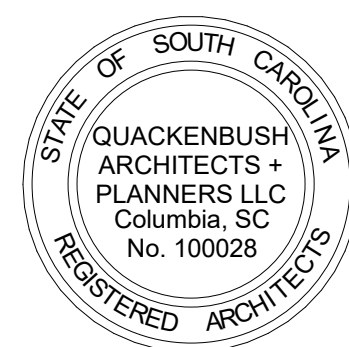
TITLE
DEMOLITION PLAN

SHEET NO.
AD-101

ARE SEAL



CORPORATE SEAL



PROJECT TITLE

HGTC - DIESEL ENGINE TRAINING FACILITY
INTERIOR RENOVATION
HORRY-GEOGETOWN TECHNICAL COLLEGE

470 ALLED DR. CONWAY, SC

GENERAL NOTES

- A. CIVIL WORK INCLUDING INFILL OF EXISTING LOADING DOCK IS BEING HANDLED UNDER SEPARATE CONTRACT.
- B. PROTECT ALL EXISTING TREES AND LANDSCAPING TO REMAIN. DO NOT STORE ANY MATERIAL, VEHICLES, OR EQUIPMENT UNDER TREE CANOPIES. NOTIFY ARCHITECT PRIOR TO REMOVING ANY TREES OR LANDSCAPING.
- C. ALL EXISTING SIDEWALKS, BUILDINGS AND OTHER SITE APPURTENANCES SHALL REMAIN UNLESS NOTED OTHERWISE. SEE MECHANICAL FOR DEMOLITION SCOPE OF EXISTING EQUIPMENT PADS.
- D. CLEAN ALL EXISTING INTERIOR METAL PANELS, GLAZING, AND ALL EXISTING ITEMS TO REMAIN.
- E. PATCH EXISTING PERIMETER WALLS SMOOTH AND FLUSH WHERE WALLS WERE REMOVED AND WHERE CEILING GRID SYSTEMS WERE REMOVED. PREPARE TO RECEIVE NEW FINISHES.
- F. CLEAN ALL EXISTING WINDOWS INSIDE AND OUTSIDE, GLASS AND FRAMES.
- G. CLEAN ALL EXISTING METAL PANEL AND CMU TO REMAIN AND PREPARE CMU TO RECEIVE PAINT.
- H. CLEAN EXISTING CONCRETE FLOOR AND PREPARE TO RECEIVE FINISHES AS SCHEDULED. WHERE CONCRETE SEALER IS SPECIFIED REMOVE ALL MASTICS, SEALANTS, AND REMNANTS OF EXISTING WALL SYSTEMS.
- I. ALL CONDUIT AND PIPING SHALL BE CONCEALED IN NEW OR EXISTING WALLS. AT EXISTING WALLS, CUT WALL TO INSTALL NEW CONDUIT/PIPING AND PATCH SMOOTH AND FLUSH TO MATCH EXISTING. IN DIESEL LAB AND TOOL CRIB, PAINT ALL EXPOSED CONDUIT, PIPING, DUCTWORK COLOR AS SELECTED BY ARCHITECT.
- J. PROVIDE BLOCKING FOR ALL OWNER FURNISHED TV LOCATIONS.
- K. AT UTILITIES AROUND PERIMETER OF BUILDING BACK FILL AND COMPACT PER SPECIFICATIONS. MAINTAIN EXISTING DRAINAGE PATTERNS. SEED AREA TO MATCH EXISTING.

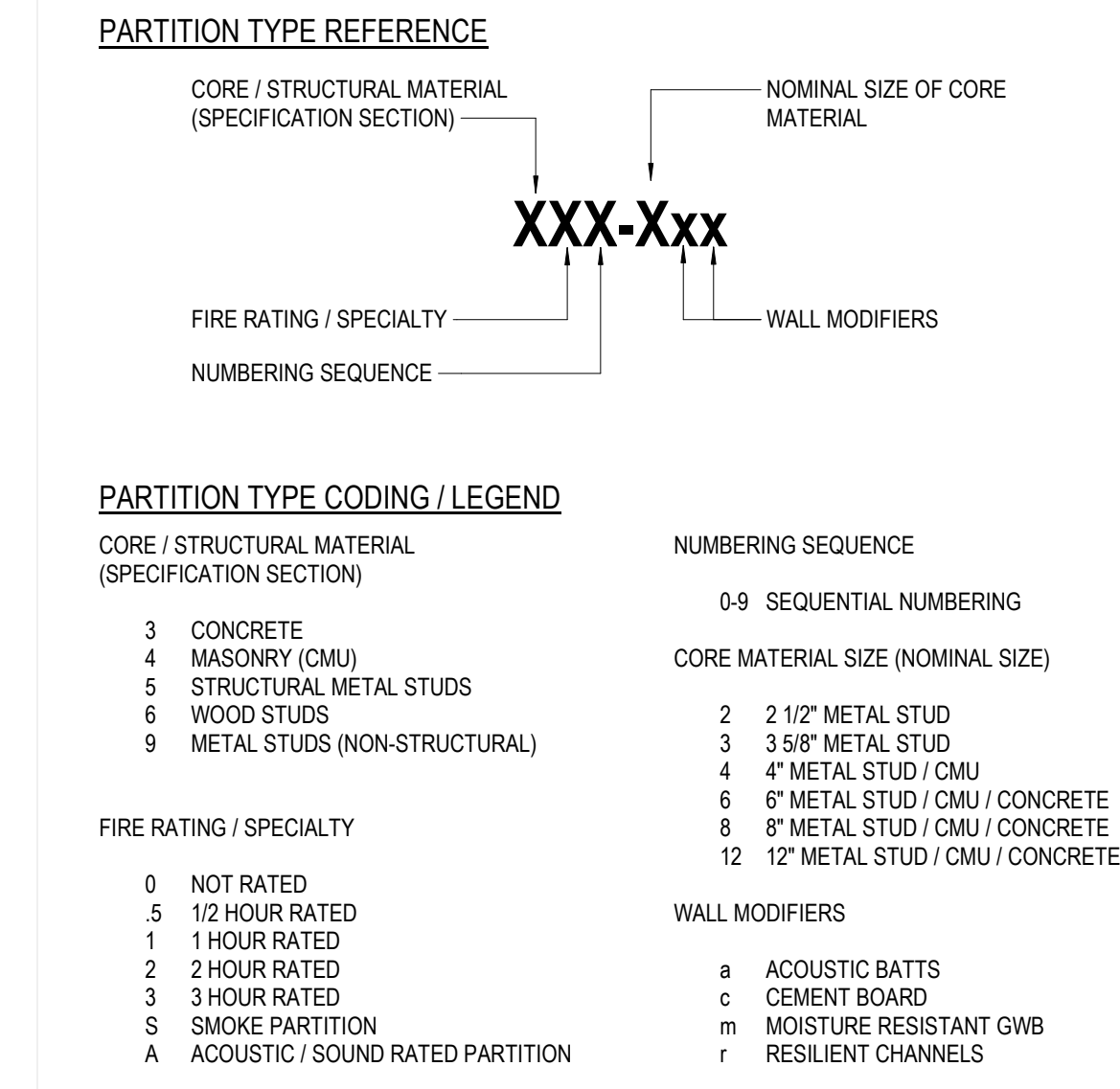
GENERAL CONST & PHASING NOTES

- A. COORDINATE ACTUAL LOCATION / EXTENTS OF CONSTRUCTION LAY-DOWN AREA AND TRAILER LOCATIONS WITH OWNER PRIOR TO INSTALLING. RETURN TO EXISTING CONDITION AFTER COMPLETION OF PROJECT IF AREA IS NOT DISTURBED AS PART OF CONSTRUCTION.
- B. MAINTAIN 6'-0" WIDE WALKWAY AT EXISTING EGRESS DOORS AND EGRESS PATHS.
- C. CONTRACTOR IS RESPONSIBLE TO MAINTAIN FIRE TRUCK ACCESS CLEAR AND FREE THROUGHOUT PROJECT, INCLUDING CLEANING REGULARLY OF MUD AND DIRT.
- D. CONTRACTOR IS RESPONSIBLE TO MAINTAIN DRIVES AND PARKING AREA OUTSIDE OF CONSTRUCTION ENTRANCES CLEAN OF SEDIMENT, MUD AND DEBRIS.
- E. CONTRACTOR IS RESPONSIBLE TO PATCH AND REPAIR OR REPLACE DAMAGE TO ADJACENT ROAD(S), PARKING LOTS, CURBS, SIDEWALKS, LANDSCAPING AND OTHER SITE APPURTENANCES TO MATCH EXISTING.
- F. STORAGE / STAGING AREAS SHALL BE LOCATED WITHIN THE LIMITS OF CONSTRUCTION UNLESS NOTED OTHERWISE.
- G. PHASING: SEE SPECIFICATIONS FOR ADDITIONAL PHASING REQUIREMENTS & DATES ASSOCIATED WITH PHASING.

KEYNOTES TO SHEET

- 1 PATCH WALLS TO MATCH EXISTING SMOOTH AND FLUSH WHERE WALLS WERE REMOVED. FINISH AS SCHEDULED
- 2 WINDOW FILM APPLIED TO WINDOWS - OFOI
- 3 EXISTING LOADING DOCK TO BE INFILLED BY SEPARATE CONTRACT
- 4 FIRE RATED PLYWOOD ALONG ENTIRE BACK WALL - COORDINATE HEIGHT WITH MECHANICAL EQUIPMENT
- 5 ABUSE RESISTANT GYP UP TO 8" ON DIESEL LAB SIDE OF WALL
- 6 OFOI TV/MONITOR MOUNTED ON WALL - REFERENCE ELEVATIONS FOR MOUNTING HEIGHT - COORDINATE LOCATION OF DATA, ELECTRICAL, AND BRACING IN WALL

PARTITION TYPE KEY



PHASE

BID SET

ISSUE DATE

PROJECT NO.

REVISION

STATE PROJECT NO.

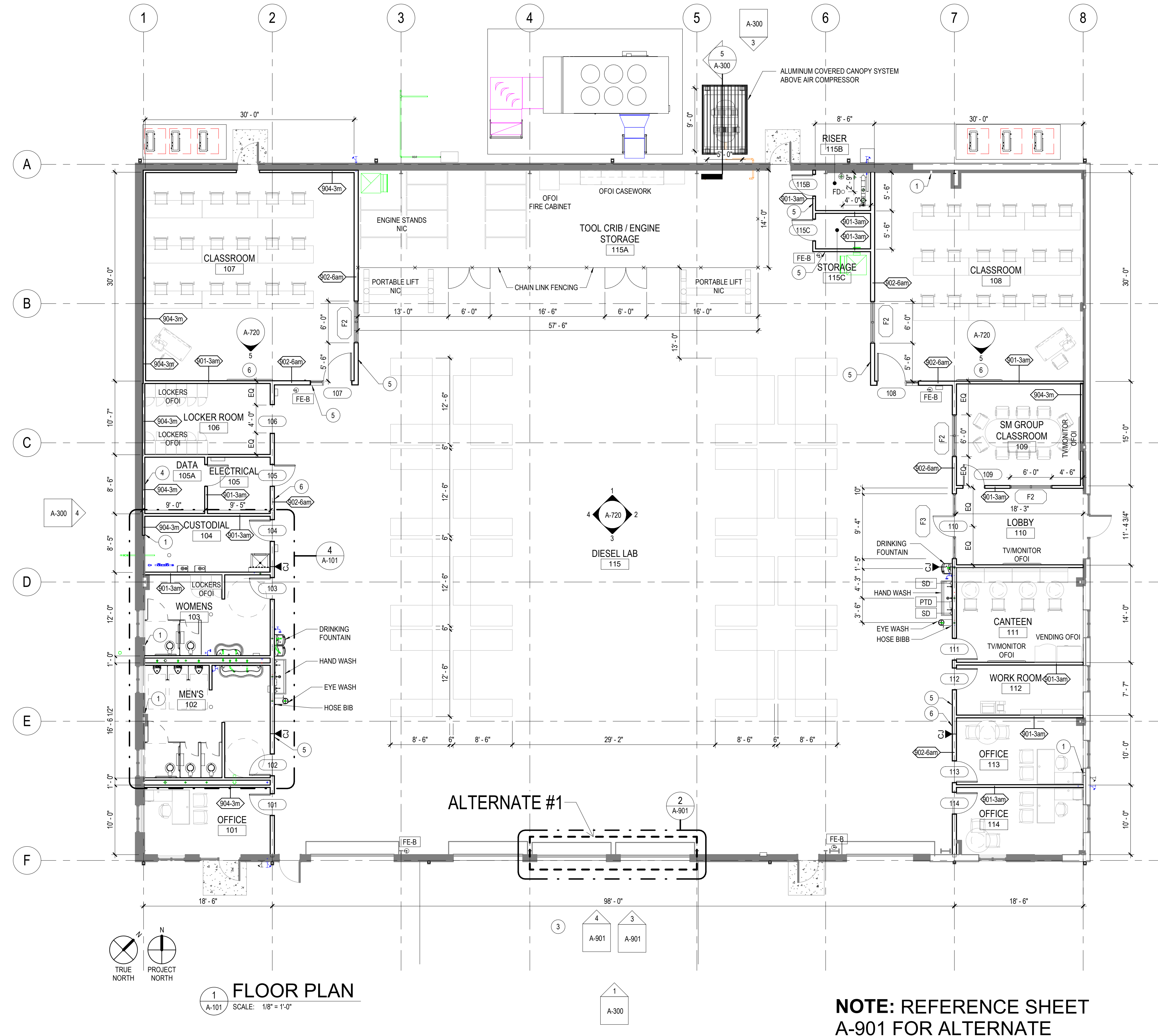
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TITLE

FLOOR PLAN

SHEET NO.

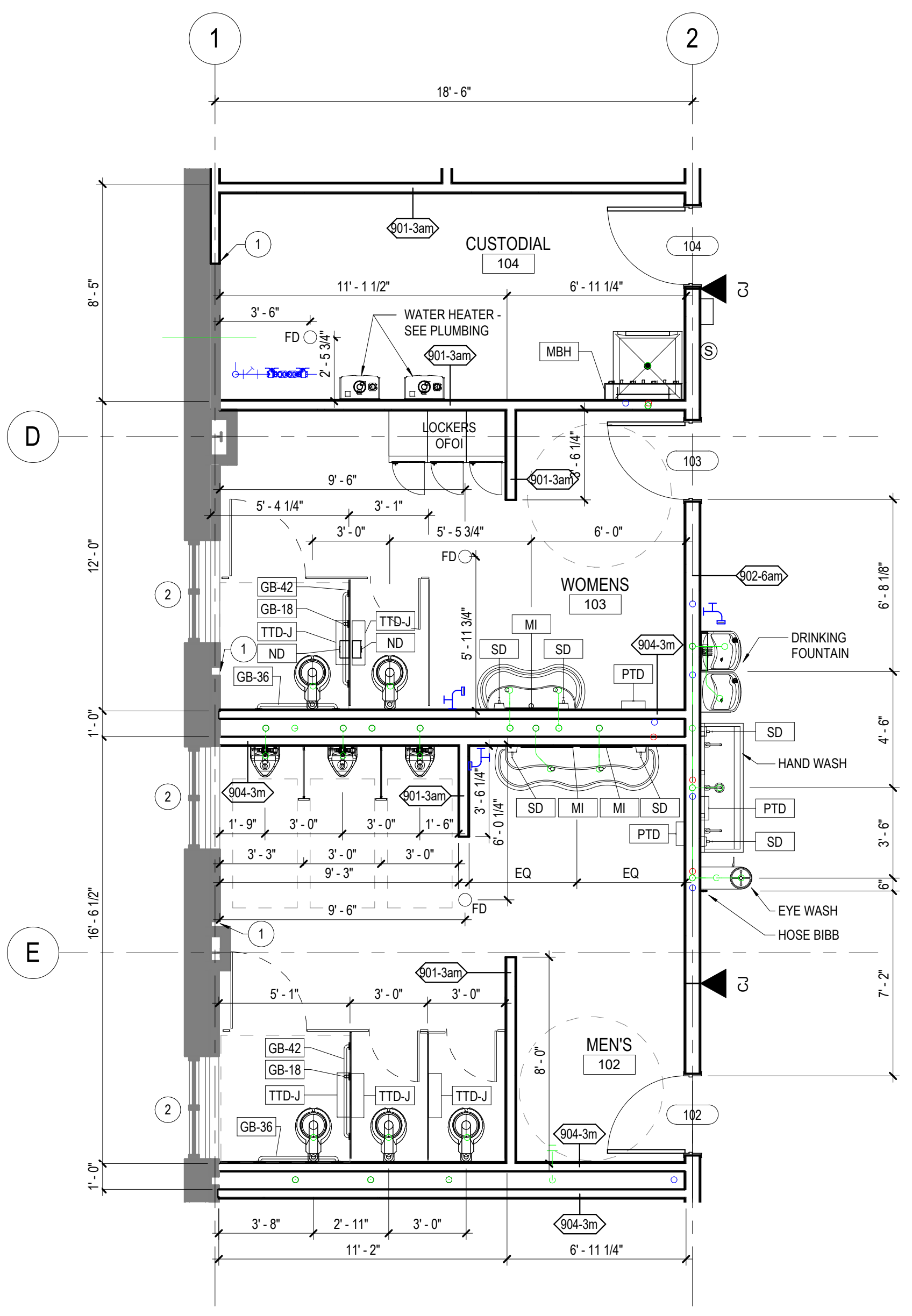
A-101



FLOOR PLAN

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

NOTE: REFERENCE SHEET A-901 FOR ALTERNATE



ENLARGED RESTROOM PLAN

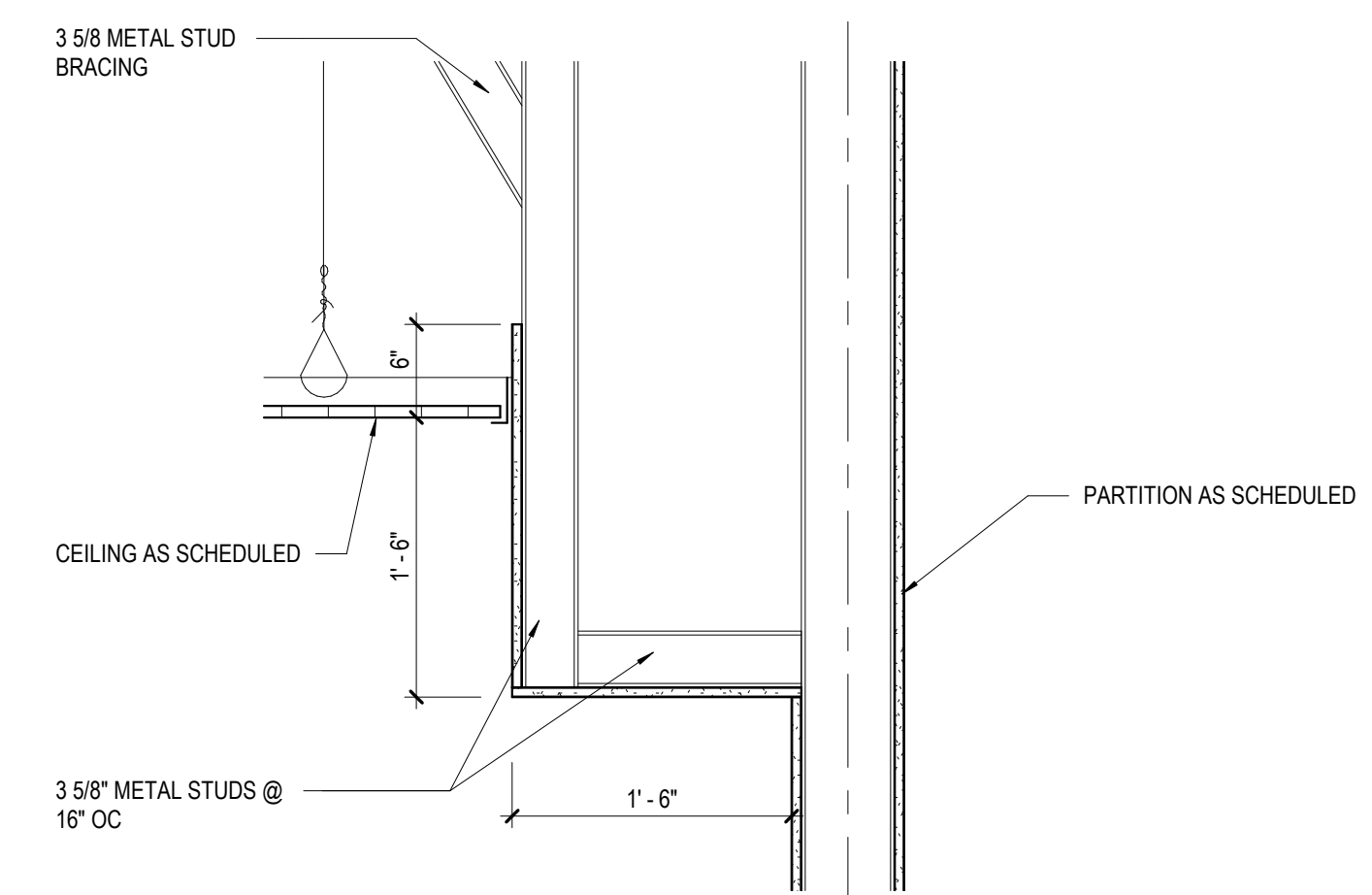
SCALE: 1/4" = 1'-0"

| TOILET ACCESSORY SCHEDULE | |
|---------------------------|---|
| TYPE | DESCRIPTION |
| GB-18 | 18" GRAB BAR - CI |
| GB-36 | 36" GRAB BAR - CI |
| GB-42 | 42" GRAB BAR - CI |
| MBH | MOP & BROOM HOLDER WITH UTILITY SHELF - 36" WIDE - CI |
| MI | MIRROR - CHANNEL FRAME - 24" WIDE x 36" HIGH - CI |
| ND | NAPKIN DISPOSAL - CI |
| PTD | PAPER TOWEL DISPENSER - OFOI |
| SD | LIQUID SOAP DISPENSER - OFOI |
| TTD-J | TOILET TISSUE DISPENSER - OFOI |

CI - CONTRACTOR INSTALLED
OFOI - OWNER FURNISHED OWNER INSTALLED



1
A-121
SCALE: 1/8" = 1'-0"
TRUE NORTH
PROJECT NORTH



GENERAL CEILING NOTES

- A. ALL CEILING HEIGHTS SHALL BE 9' - 0" AFF UNLESS NOTED OTHERWISE. CEILINGS OR EXPOSED ELEMENTS IN AREAS WITH NO CEILINGS SHALL NOT BE LESS THAN 7'-6" AFF IN ALL OCCUPIABLE SPACES AND CORRIDORS. CEILINGS OR EXPOSED ELEMENTS IN AREAS WITH NO CEILINGS SHALL NOT BE LESS THAN 7'-0" AFF IN TOILET ROOMS, STORAGE ROOMS, AND EQUIPMENT ROOMS.
- B. FINISHED CEILING HEIGHT SHALL BE REFERENCED FROM THE FINISH FLOOR BELOW.
- C. CEILING SYSTEM INSTALLATION AND COMPONENTS SHALL COMPLY WITH CURRENT IBC REQUIREMENTS, SEISMIC CLASS REFERENCE ON CODE ANALYSIS CHART (SEISMIC CLASS 'D'), ASCE 7 AND CISCA'S 'CEILING SYSTEMS HANDBOOK'. ALL CEILINGS SHALL BE INSTALLED PER ASTM C 635 AND ASTM C 638. LOCAL KINKS OR BENDS SHALL NOT BE MADE IN HANGER WIRES AS A MEANS OF LEVELING MAIN RUNNERS. IN INSTALLATIONS WHERE HANGER WIRES ARE WRAPPED THROUGH OR AROUND MAIN RUNNERS, THE WIRE LOOPS SHALL BE TIGHTLY WRAPPED AND SHARPLY BENT TO PREVENT ANY VERTICAL MOVEMENT OR ROTATION OF THE MEMBERS WITHIN THE LOOPS. THE WIRE MUST BE WRAPPED AROUND ITSELF WITH A MINIMUM OF THREE FULL TURNS WITHIN 3-INCHES. THE END OF ALL HANGER WIRES SHALL BE CUT CLOSE TO THE VERTICAL PORTION OF THE WIRE OR SHALL BE BENT UPWARD PARALLEL TO THE VERTICAL PORTION OF THE HANGER WIRE.
- D. ALL SUSPENDED ACoustICAL CEILING GRIDS SHALL BE CENTERED IN THE CEILING AREA OR ROOM AS SHOWN. UNLESS OTHERWISE NOTED, UTILIZE 2x4 CEILING TILE TO MATCH ROOM TILE IN LIEU OF 2x2 WHERE CUT TILE PIECES WOULD BE LESS THAN 6-INCHES.
- E. LIGHT FIXTURES SHALL BE MOUNTED WITH RESPECT TO THE SUSPENDED GRID SYSTEM AS SHOWN. ALL DEVICES (CAN LIGHT FIXTURES, SPRINKLER HEADS, SMOKE DETECTORS, SPEAKERS, ETC.) SHALL BE CENTERED IN THE ROOM OR CEILING PANELS UNLESS OTHERWISE NOTED.
- F. ACTUAL LIGHT FIXTURE AND EXIT SIGN LAYOUTS IN MECHANICAL AND ELECTRICAL ROOMS SHALL BE COORDINATED WITH EQUIPMENT, DUCTWORK, AND PIPING TO MAINTAIN EVEN LIGHT DISTRIBUTION AND VISIBILITY.
- G. EXPOSED DUCTWORK AND STRUCTURE ARE SHOWN FOR ARCHITECTURAL DESIGN INTENT IN OCCUPIABLE/ FINISHED SPACES. SEE MEP DRAWINGS FOR SYSTEMS DESCRIPTIONS, ROUTING OF EXPOSED DUCTWORK, PIPING, AND CONDUIT SHALL BE REVIEWED AND COORDINATED WITH ARCHITECT PRIOR TO INSTALLATION. ALL EXPOSED ELEMENTS (STRUCTURE, DECKING, DUCTWORK, PIPING, CONDUIT, ETC.) SHALL BE PAINTED COLOR AS SCHEDULED.
- H. GENERAL CONTRACTOR SHALL COORDINATE ALL UTILITY SYSTEM PIPING, DUCTWORK, CONDUIT, EQUIPMENT, DEVICES, ETC. WITH ARCHITECTURAL DRAWINGS INCLUDING REFLECTED CEILING PLANS AND BUILDING SECTIONS. INDICATED LOCATIONS OF ALL COMPONENTS ARE APPROXIMATE AND MUST BE COORDINATED WITH ALL SUBCONTRACTORS DURING SUBMITTALS AND PRIOR TO INSTALLATION. ANY MODIFICATIONS TO LOCATIONS INDICATED MUST BE APPROVED BY ARCHITECT.
- I. GENERAL CONTRACTOR SHALL COORDINATE ALL CEILING MOUNTED EQUIPMENT, DEVICES, FIXTURES, AND GRILLS WITH REFLECTED CEILING PLANS. INDICATED LOCATIONS OF ALL COMPONENTS ARE APPROXIMATE AND MUST BE COORDINATED WITH ALL SUBCONTRACTORS DURING SUBMITTALS AND PRIOR TO INSTALLATION. SEE ELECTRICAL AND HVAC DRAWINGS FOR FULL SCOPE OF ELECTRICAL CEILING AND WALL MOUNTED DEVICES. ANY MODIFICATIONS TO LOCATIONS MUST BE APPROVED BY ARCHITECT.
- J. ALTERNATE #1 - SEE FP DRAWINGS FOR FIRE PROTECTION SPRINKLER SYSTEM LAYOUT. COORDINATE ROUTING OF ALL PIPING WITH ARCHITECTURAL DRAWINGS AND DETAILS AS WELL AS OTHER SYSTEM DRAWINGS (S, M, P, S, AND E). PIPING TO BE CONCEALED WITHIN WALLS AND CEILINGS UNLESS OTHERWISE INDICATED. SUBMIT LAYOUT/COORDINATION DRAWING FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. ALL SPRINKLER HEADS IN CEILING PANELS SHALL BE FULLY RECESSED. ALL SPRINKLER HEADS AT OVER CEILINGS SHALL BE CONCEALED HEAD. COLOR OF HEADS SHALL BE CONFIRMED BY ARCHITECT DURING SUBMITTAL PROCESS.
- K. ALTERNATE #3 - LOW SPEED HIGH VOLUME FANS - SEE MECHANICAL
- L. THE LOCATION OF ACCESS PANELS NOT SHOWN ON ARCHITECTURAL DRAWINGS, BUT REQUIRED FOR BUILDING SYSTEMS SHALL BE REVIEWED BY ARCHITECT PRIOR TO INSTALLATION.
- M. UTILIZE MOISTURE & MOLD RESISTANT GYPSUM BOARD AT ALL LOCATIONS.
- N. PAINT ALL EXPOSED PIPING AND CONDUIT TO MATCH SURFACE IT IS MOUNTED TO. REVIEW PAINT COLORS WITH ARCHITECT. PAINT ALL EXPOSED METAL DUCTWORK P-5

REFLECTED CEILING PLAN LEGEND

- CLG MATL 1'-0" CEILING MATERIAL
- CEILING HEIGHT ABOVE FINISH FLOOR
- EXP STR EXPOSED STRUCTURE
- CEILING GRID / PANELS AS SCHEDULED
- SUPPLY GRILLE
- RETURN / EXHAUST GRILLE
- LED LIGHT FIXTURES
- HIGH BAY LIGHT FIXTURES
- STRIP LIGHT FIXTURES
- PENDANT LED LIGHT FIXTURE
- EXIT SIGN

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PROJECT TITLE
HGTC - DIESEL ENGINE TRAINING FACILITY INTERIOR RENOVATION
 HARRY-GEORGETOWN TECHNICAL COLLEGE
 470 ALLED DR., CONWAY, SC

TITLE
REFLECTED CEILING PLAN

SHEET NO
A-121

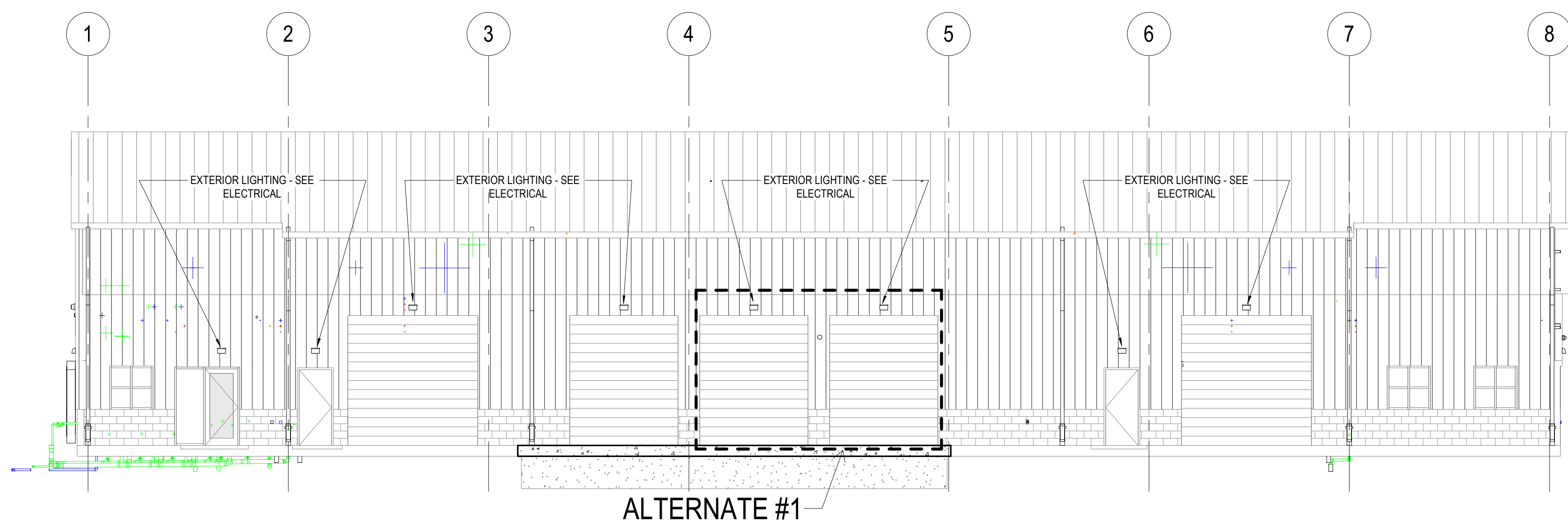
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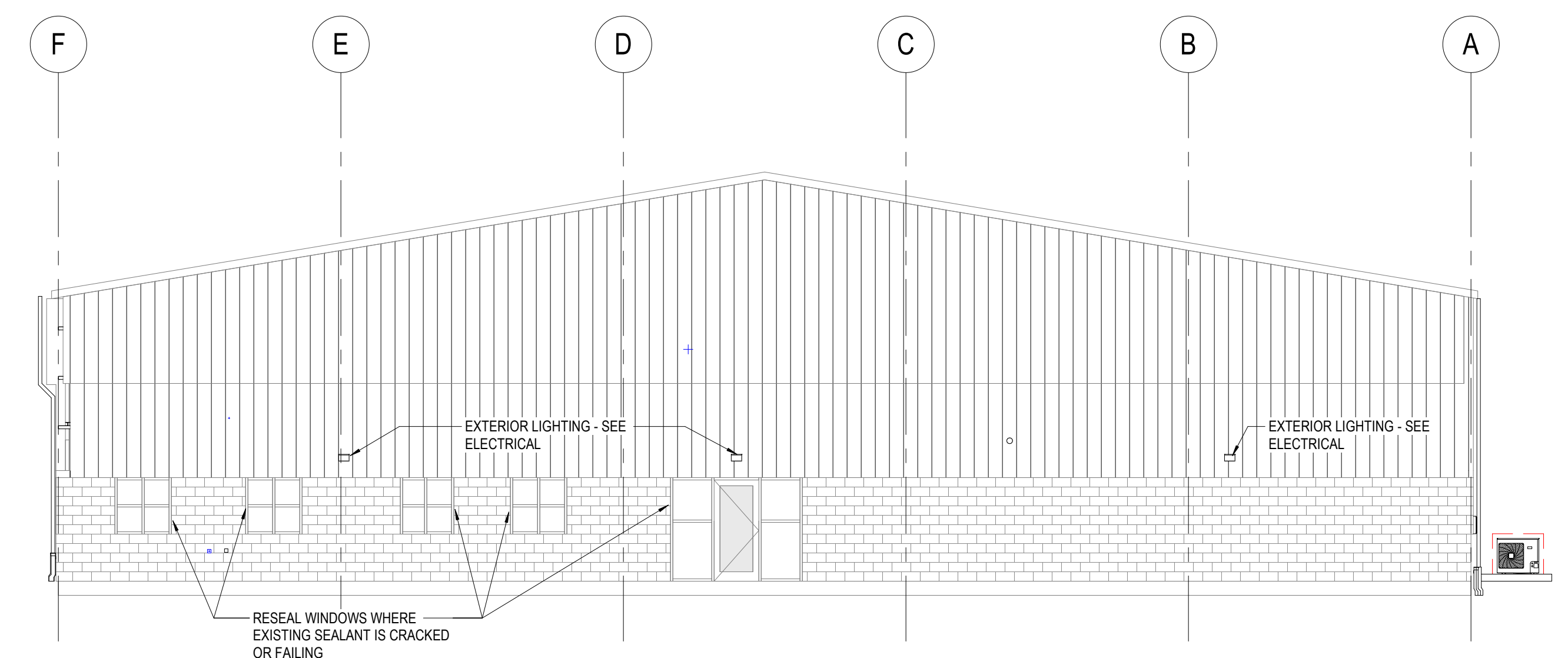
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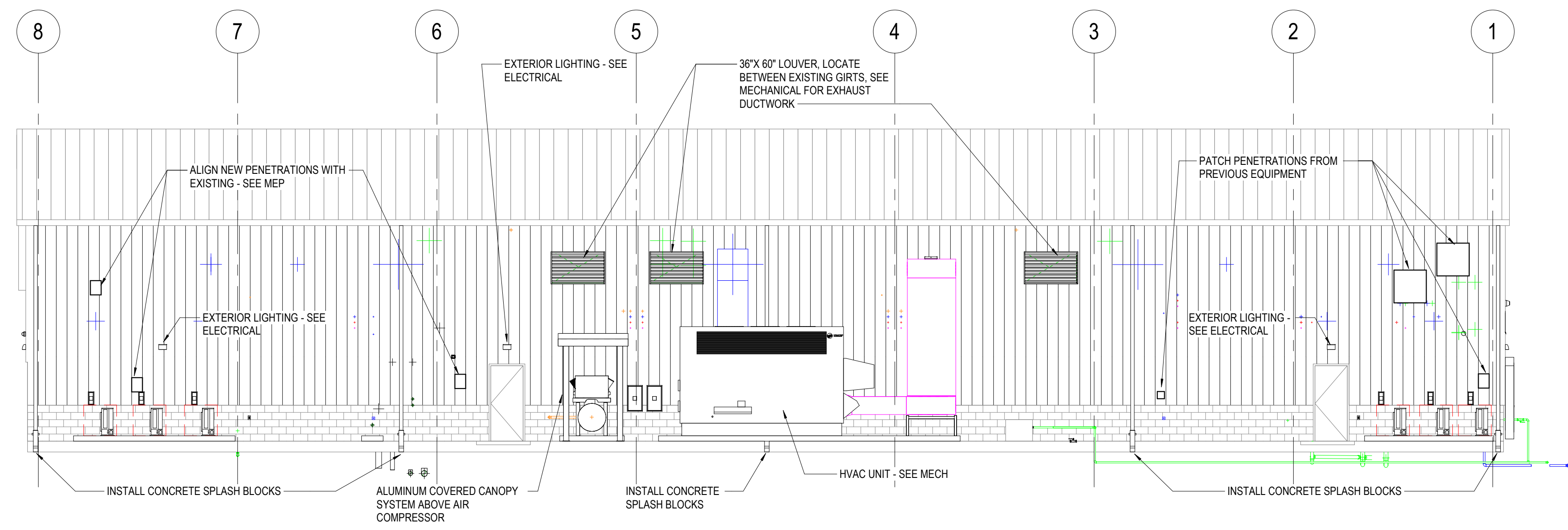
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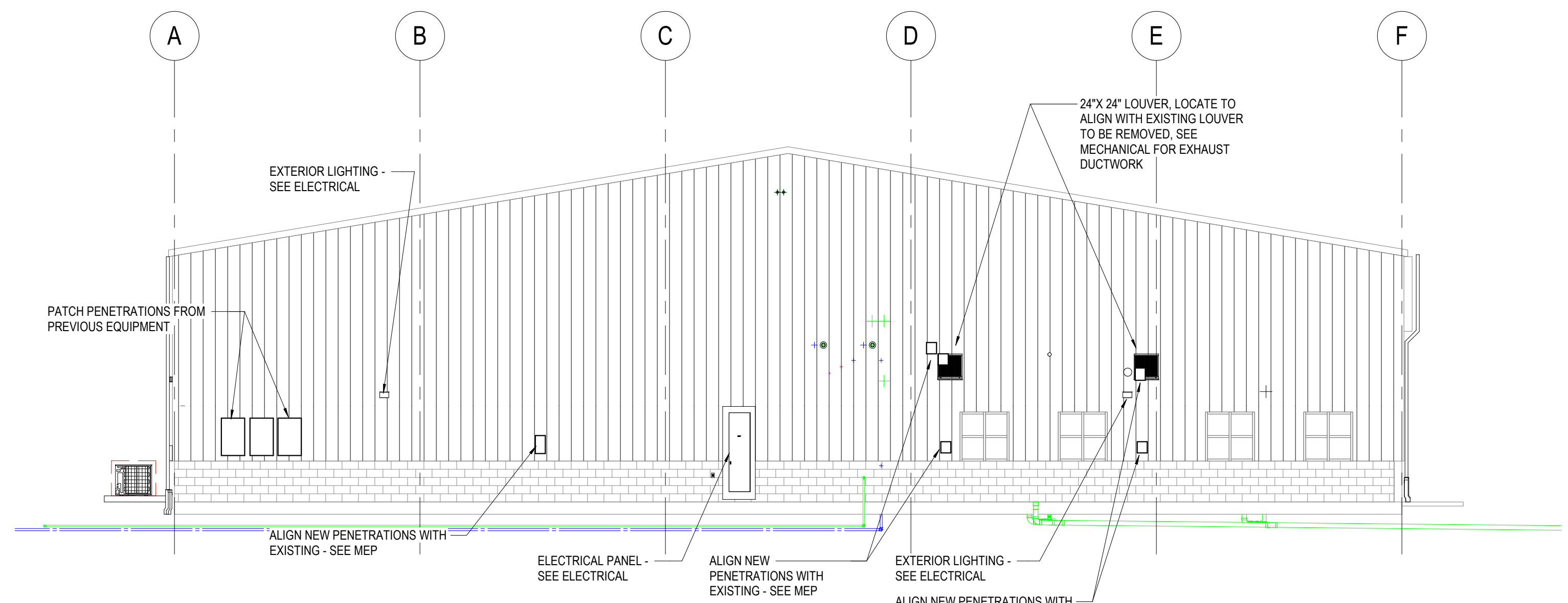
1 EXTERIOR SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



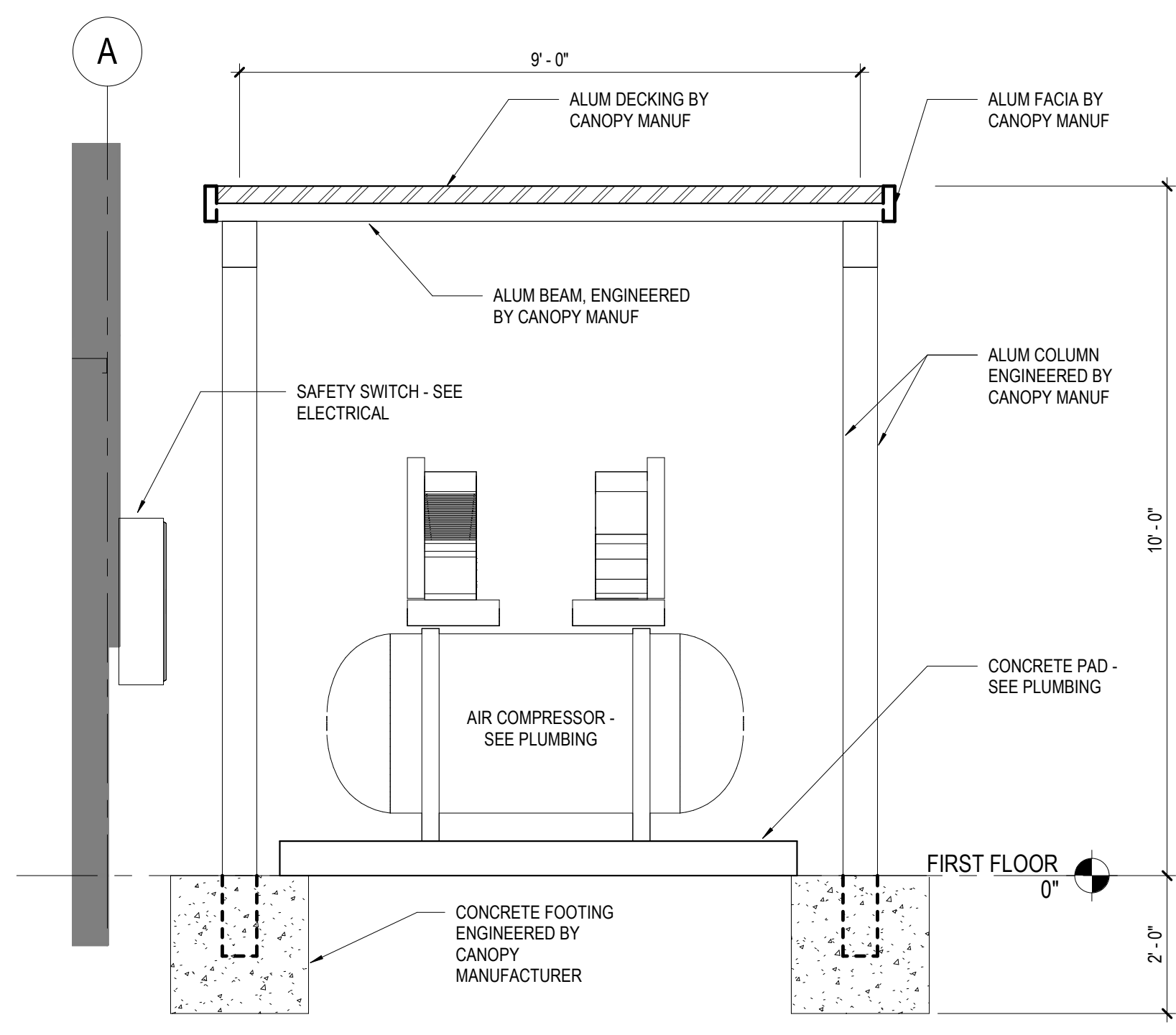
2 EXTERIOR EAST ELEVATION
SCALE: 1/8" = 1'-0"



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



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



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

GENERAL EXTERIOR NOTES

- A. WHERE SPECIFIC PRODUCTS ARE INDICATED, ITEM DESIGNATION INCORPORATES QUALITY AESTHETIC APPEARANCE. SEE SPECIFICATIONS FOR EQUAL MANUFACTURERS PER PRODUCT TYPE INDICATED. ACTUAL COLOR SELECTION MAY VARY PER BIDDING OUTCOME. DEPENDING ON LOCATION OF ITEM, ALTERNATIVES SHALL MATCH IN COLOR/TEXTURE, AS WELL AS PERFORMANCE CRITERIA, AS APPROVED BY ARCHITECT.
- B. ALL EXTERIOR WALL PENETRATIONS SHALL BE SEALED AT BOTH SIDES OF SHEATHING AND GYPSUM BOARD / CMU PENETRATION. PROVIDE ESCUTCHEON PLATE AT EXPOSED LOCATIONS.
- C. WHERE ELECTRICAL, MECHANICAL, PLUMBING, AND OTHER EQUIPMENT ARE REMOVED FROM THE FACE OF THE BUILDING, ALL HOLES SHALL BE PATCHED OR SEALED. WHERE FEASIBLE, REUSE EXISTING PENETRATIONS FOR LOUVERS, PIPING, CONDUIT ETC. AT ALL EXISTING EXTERIOR PENETRATIONS NO LONGER NEEDED, AT HOLES 1/2-INCH OR SMALLER, SEAL HOLE AND AT LARGER HOLES, INSTALL NEW METAL PANEL TO MATCH EXISTING IN PROFILE AND COLOR, OVERLAPPING A MINIMUM OF 2 INCHES IN ALL DIRECTIONS. DRAWINGS AND PHOTOS ARE REPRESENTATIVE OF HOLES / PENETRATIONS THAT EXIST. CONTRACTORS SHALL VISIT THE SITE TO CONFIRM ENTIRE SCOPE PRIOR TO BIDDING.
- D. AT NORTH ELEVATION, DISCONNECT EXISTING DOWNSPOUTS FROM BELOW GRADE DRAINAGE. REMOVE ALL EXPOSED / DAMAGED DRAINAGE AND INFILL WITH SOIL. INSTALL CONCRETE SPLASH BLOCKS AT EACH DOWNSPOUT.
- E. ALIGN NEW PENETRATIONS - CONDUIT, PIPING, LOUVERS, DUCTWORK, ETC. WITH EXISTING PENETRATIONS WHERE POSSIBLE. WHERE NOT POSSIBLE, CREATE NEW PENETRATIONS AND SEAL. AT EXISTING PENETRATIONS NOT BEING REUSED OR ONLY PARTIALLY BEING REUSED, INSTALL NEW METAL PANEL IN SAME PROFILE AND COLOR AS EXISTING METAL PANEL AT NEW LARGER PENETRATIONS FOR PATCHING. AT ALL PATCHED AREAS INSTALL NEW VINYL FACED BATT INSULATION.
- F. CLEAN AND PREPARE ALL EXISTING HOLLOW METAL DOORS AND FRAMES TO BE REPAINTED. PAINT ALL EXISTING HOLLOW METAL FRAMES AND DOORS.

CANOPY GENERAL NOTES

- A. ALL CANOPY DIMENSIONS SHALL BE FIELD VERIFIED PRIOR TO FABRICATION. NOTIFY ARCHITECT IMMEDIATELY OF ANY CONFLICTS.
- B. ALL CANOPY COLUMN, BEAM, AND DECK SIZES SHALL BE ENGINEERED BY CANOPY MANUFACTURER.
- C. ALL CANOPY CONNECTIONS SHALL BE ENGINEERED BY CANOPY MANUFACTURER.
- D. AT CANOPY ENDS, INSTALL WATER TIGHT END DAMS AND METAL, WELDED TYPICAL FASCIA TRIM.
- E. ALL EXPOSED CONDUIT, JUNCTION BOXES, COVER PLATES, ETC. SHALL BE PAINTED TO MATCH ADJACENT COLUMN, BEAM, OR MASONRY (COLOR AS SELECTED BY ARCHITECT). CONDUIT SHALL BE PAINTED PRIOR TO INSTALLING (SO THAT ENTIRE SURFACE IS PAINTED) AND TOUCHED UP AFTER INSTALLATION.
- F. INSTALL END DAM AND BREAK METAL CAP AT ELECTRICAL JUNCTION BOXES AT CANOPY DECK BY CANOPY MANUFACTURER. SEAL ALL PENETRATIONS.
- G. CANOPY FOOTINGS SHALL BE ENGINEERED BY CANOPY MANUFACTURER.



EAST ELEVATION - SEALANT NEEDED AT EXISTING STOREFRONT



NORTH ELEVATION - EXISTING PENETRATIONS



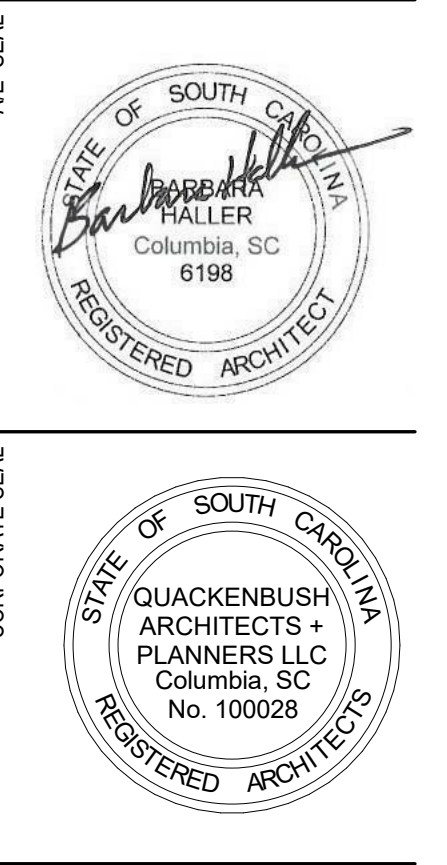
NORTH ELEVATION - EXISTING HVAC



WEST ELEVATION - EXISTING PENETRATIONS



NORTH ELEVATION - EXISTING DRAIN AT DOWNSPOUT



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| PHASE | |
|-------------------|-------------|
| BID SET | |
| ISSUE DATE | 1.14.2022 |
| PROJECT NO. | 21.286.00 |
| STATE PROJECT NO. | HS9-N134-MJ |
| REVISION | DATE |

STATE OF SOUTH CAROLINA
CORPORATE SEAL
REGISTERED ARCHITECT
No. 100028

PROJECT TITLE
HGTC - DIESEL ENGINE TRAINING FACILITY
INTERIOR RENOVATION
HORRY-GEORGETOWN TECHNICAL COLLEGE
470 ALLED DR., CONWAY, SC

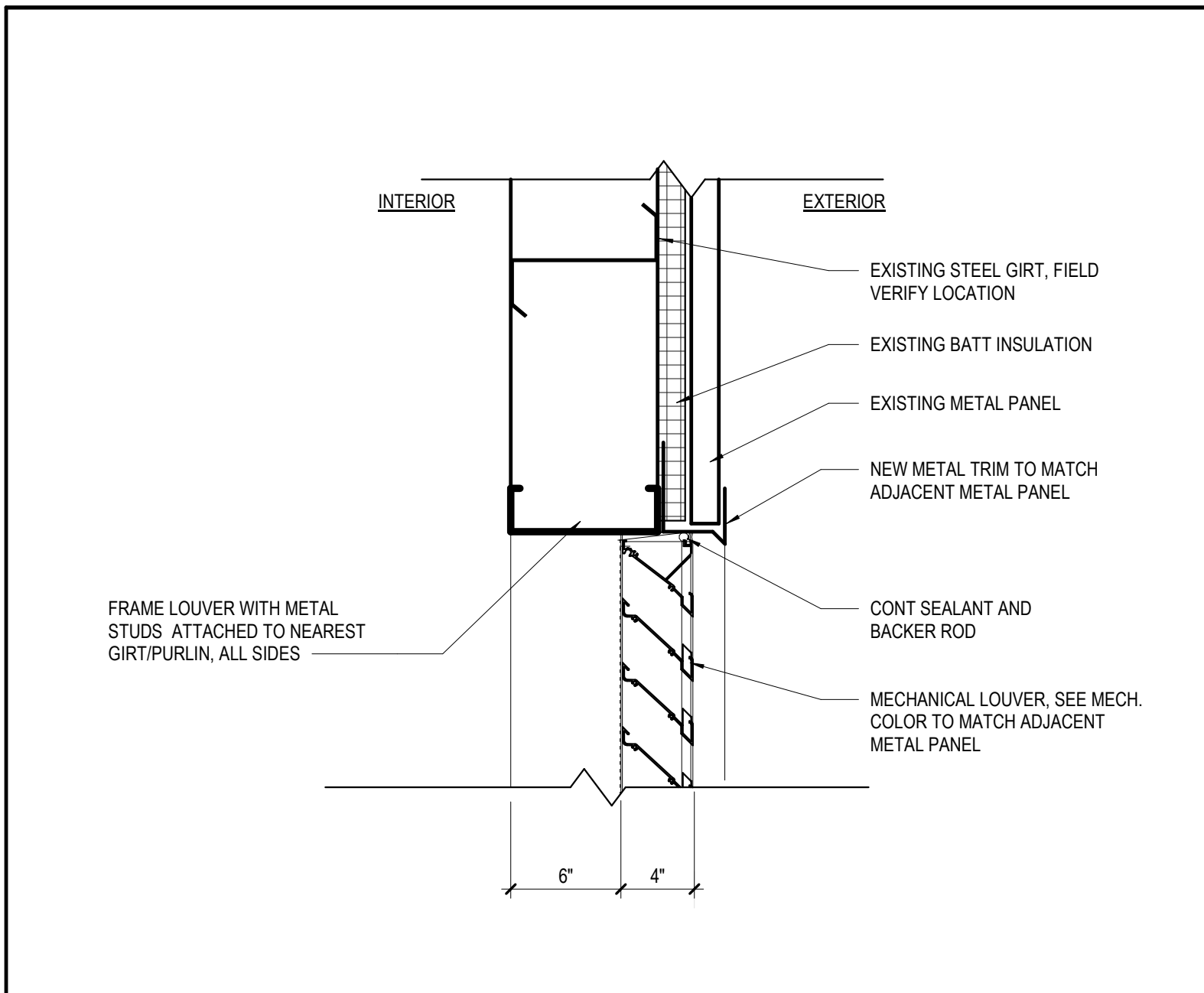
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PHASE
BID SET
ISSUE DATE 1.14.2022
PROJECT NO. 21.286.00
STATE PROJECT NO. H59-N134-MJ

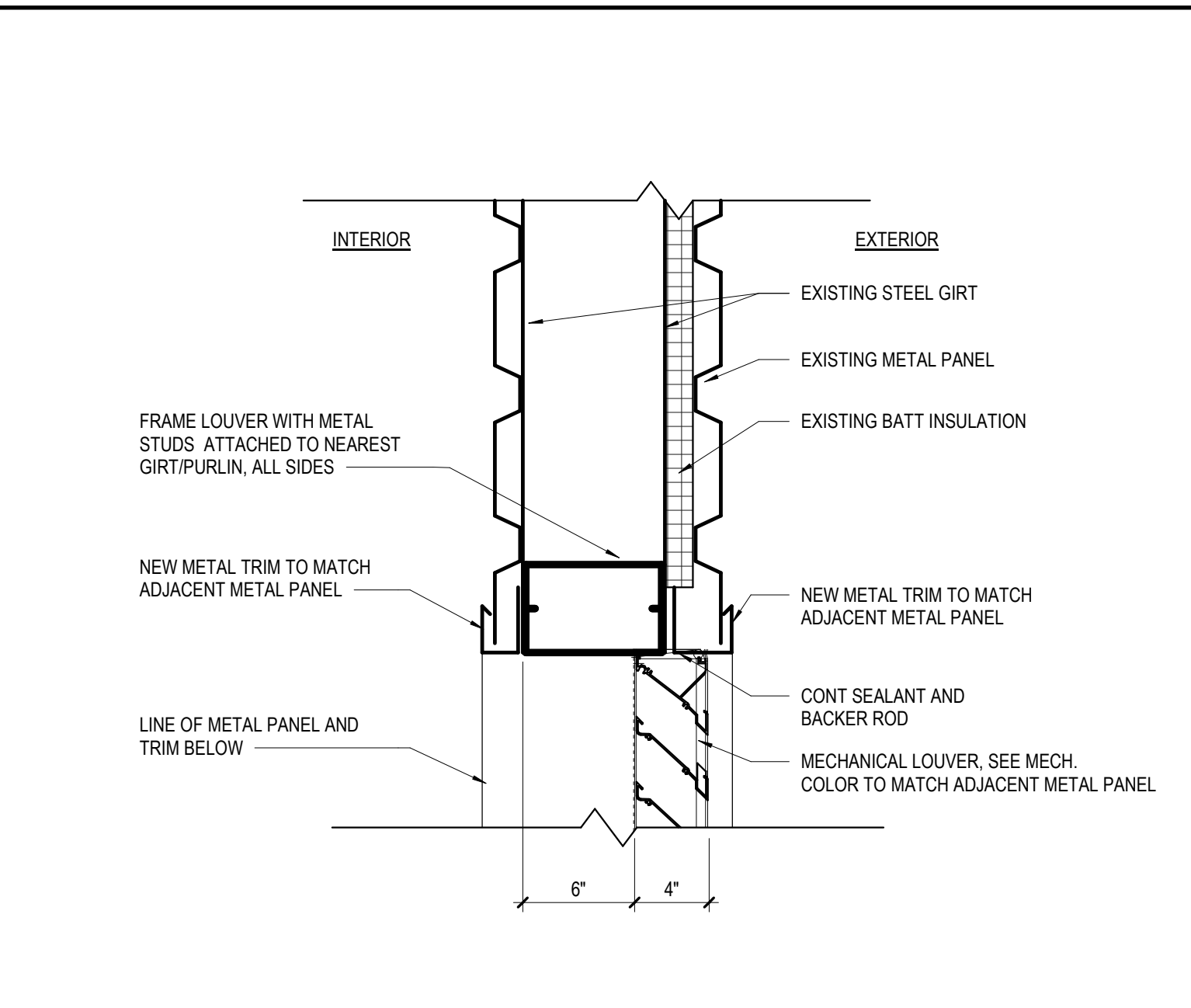
REVISION DATE

TITLE
DOOR SCHEDULE & DOOR FRAME TYPES

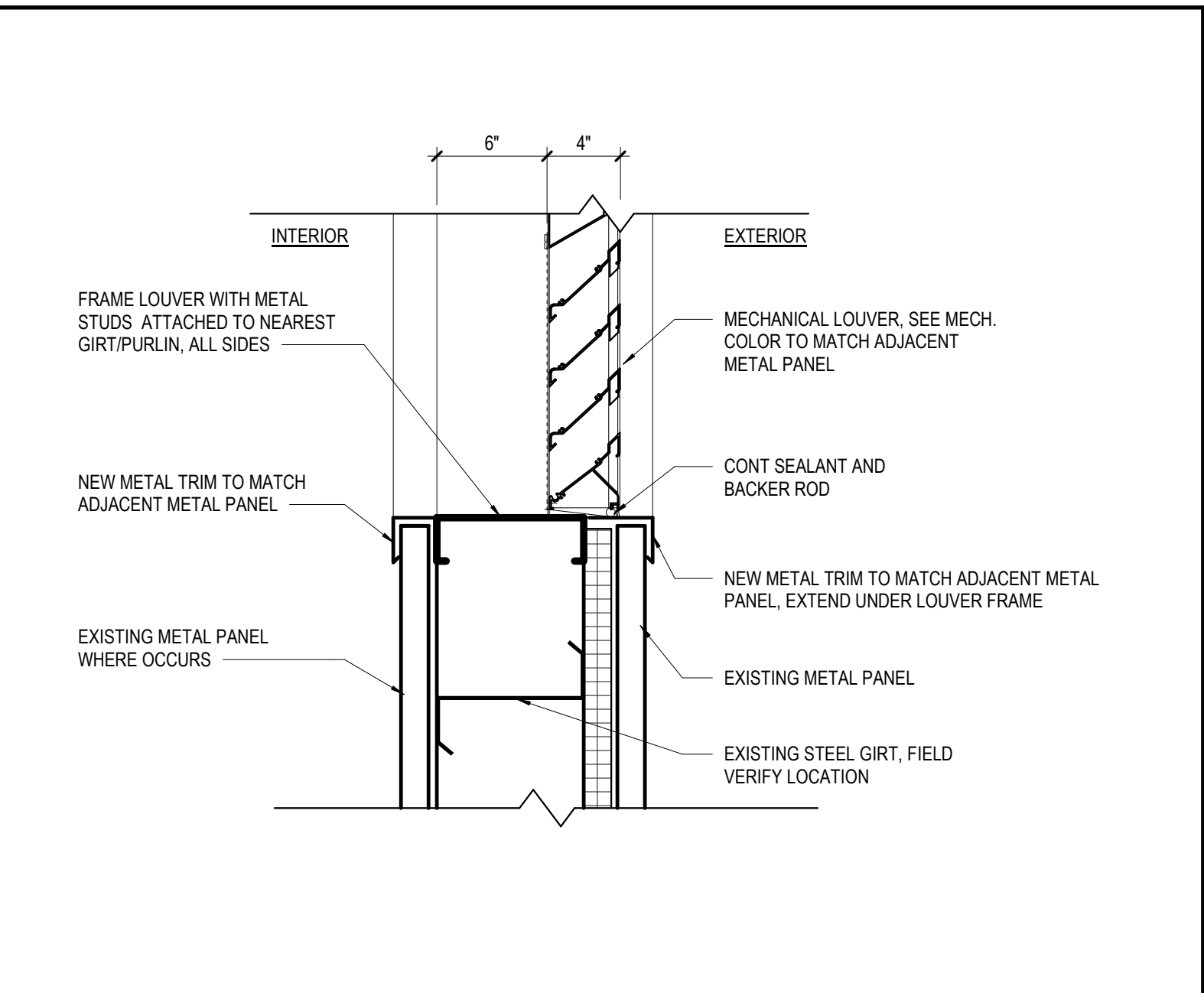
SHEET NO. A-600



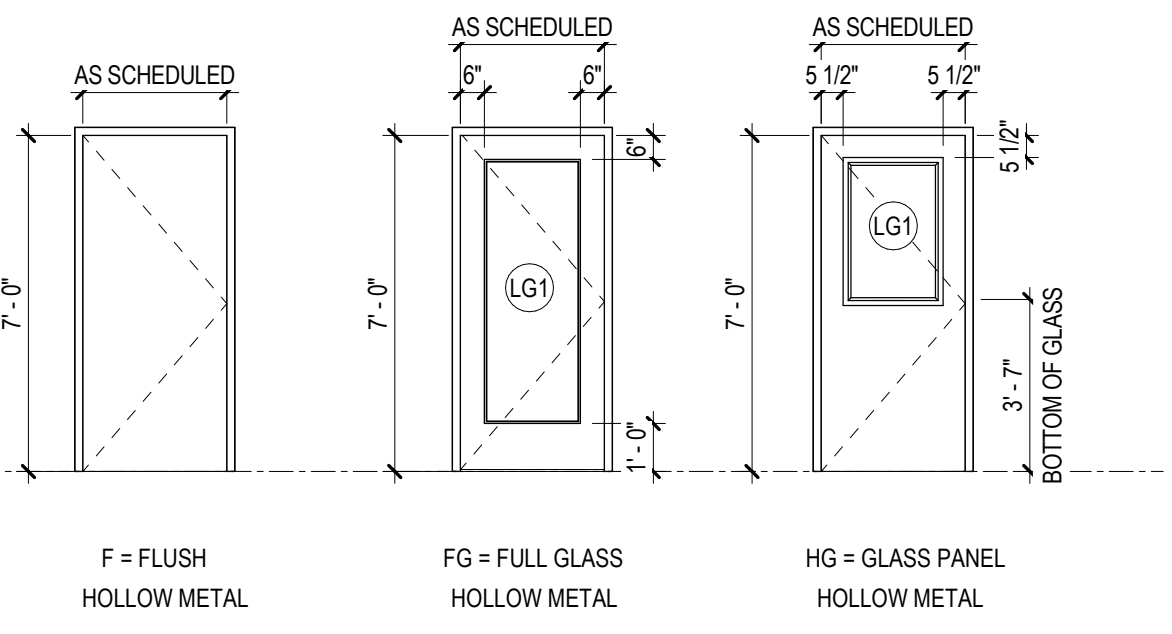
LH1 LOUVER HEAD DETAIL SCALE 1-1/2" = 1'-0"



LJ2 LOUVER JAMB DETAIL SCALE 1-1/2" = 1'-0"

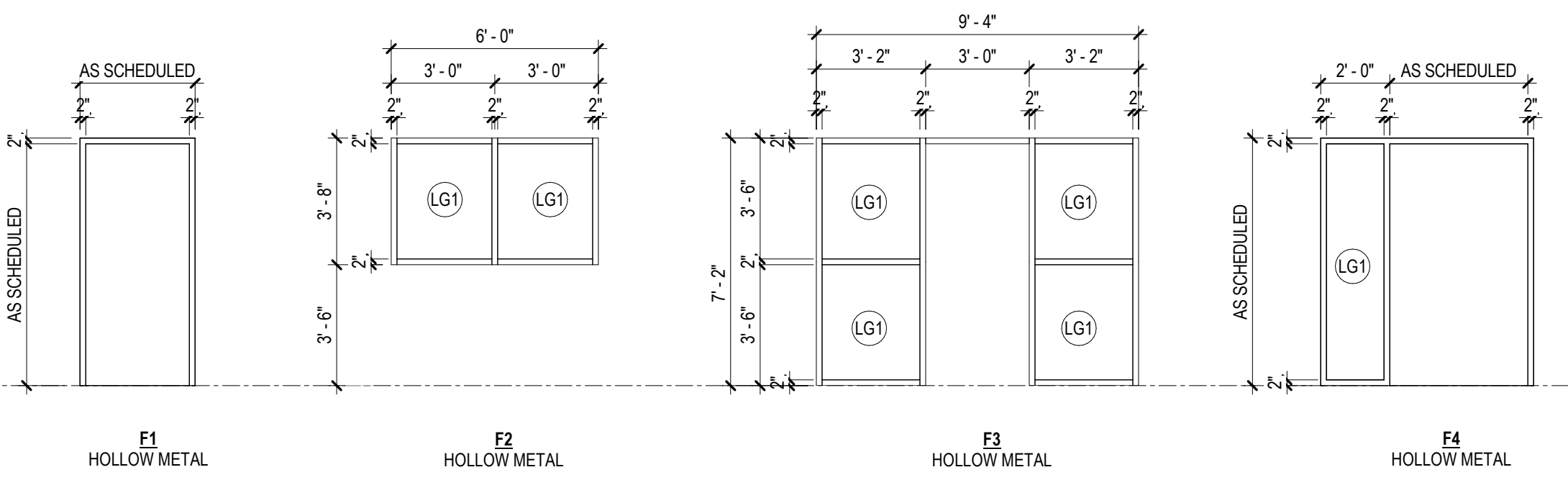


LS1 LOUVER SILL DETAIL SCALE 1-1/2" = 1'-0"



GLASS TYPES
LG1 1/4-INCH LAMINATED GLASS, FULLY TEMPERED, CLEAR

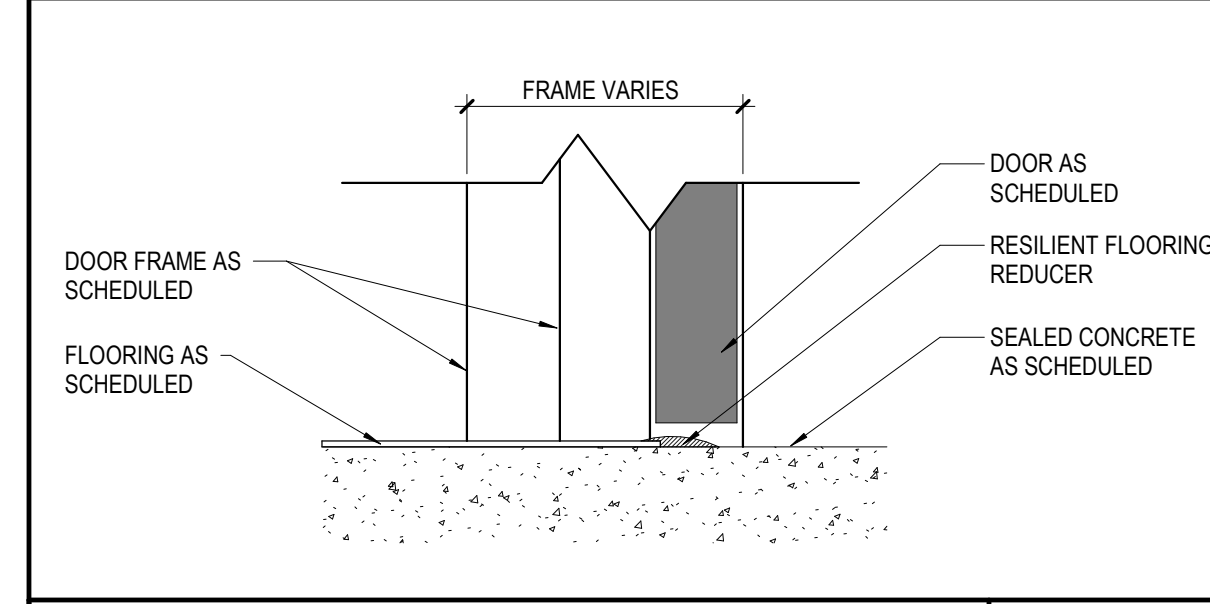
DOOR TYPES



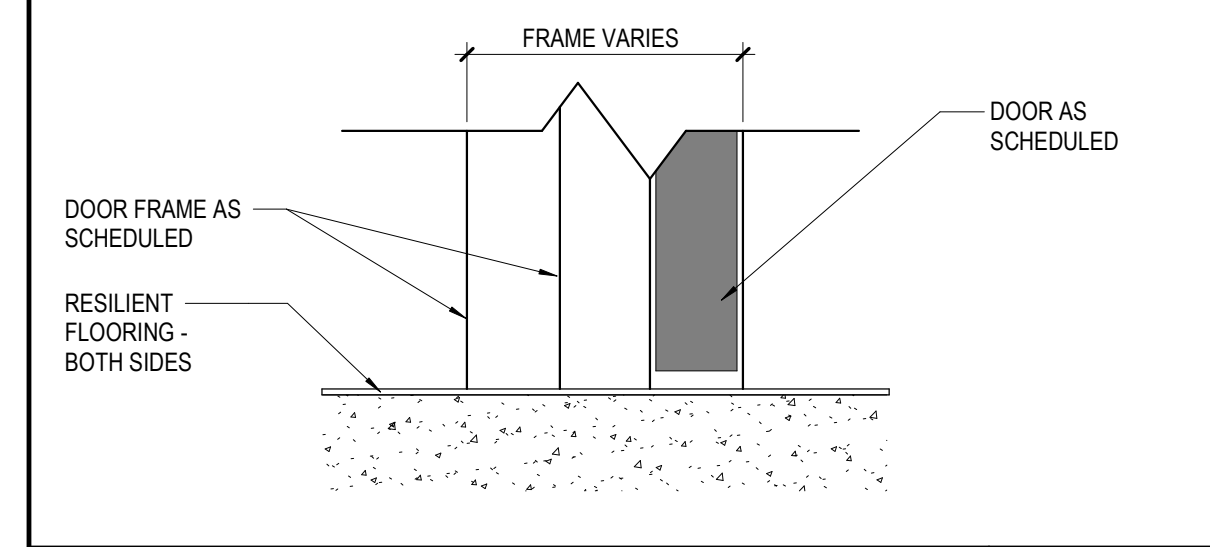
FRAME TYPES

| DOOR NO. | DOOR OPENING SIZE | | TYPE | TYPE | FRAME DETAILS | | | RATING | HARDWARE | REMARKS |
|----------|-----------------------------|--------|------|------|---------------|------|------|--------|----------|---------|
| | WIDTH | HEIGHT | | | HEAD | JAMB | SILL | | | |
| | DOOR SCHEDULE - FIRST FLOOR | | | | | | | | | |
| 101 | 3'-0" | 7'-0" | HG | F1 | H2 | J2 | S1 | - | INT-01 | |
| 102 | 3'-0" | 7'-0" | F | F1 | H2 | J2 | S3 | - | INT-02 | |
| 103 | 3'-0" | 7'-0" | F | F1 | H2 | J2 | S3 | - | INT-02 | |
| 104 | 3'-0" | 7'-0" | F | F1 | H2 | J2 | NA | - | INT-03 | |
| 105 | 3'-0" | 7'-0" | F | F1 | H2 | J2 | NA | - | INT-04 | |
| 105A | 3'-0" | 7'-0" | F | F1 | H1 | J1 | NA | - | INT-05 | |
| 106 | 4'-0" | 7'-0" | NA | F1 | H3 | J3 | NA | - | NA | |
| 107 | 4'-0" | 7'-0" | F | F1 | H2 | J2 | S1 | - | INT-07 | |
| 108 | 4'-0" | 7'-0" | F | F1 | H2 | J2 | S1 | - | INT-07 | |
| 109 | 3'-0" | 7'-0" | FG | F1 | H1 | J1 | S2 | - | INT-08 | |
| 110 | 3'-0" | 7'-0" | FG | F3 | H2 | J2 | S1 | - | INT-08 | |
| 111 | 3'-0" | 7'-0" | HG | F1 | H2 | J2 | S1 | - | INT-08 | |
| 112 | 3'-0" | 7'-0" | HG | F1 | H2 | J2 | S1 | - | INT-01 | |
| 113 | 3'-0" | 7'-0" | HG | F1 | H2 | J2 | S1 | - | INT-01 | |
| 114 | 3'-0" | 7'-0" | HG | F1 | H2 | J2 | S1 | - | INT-01 | |
| 115B | 3'-0" | 7'-0" | F | F1 | H1 | J1 | NA | - | INT-05 | |
| 115C | 3'-0" | 7'-0" | F | F1 | H1 | J1 | NA | - | INT-05 | |

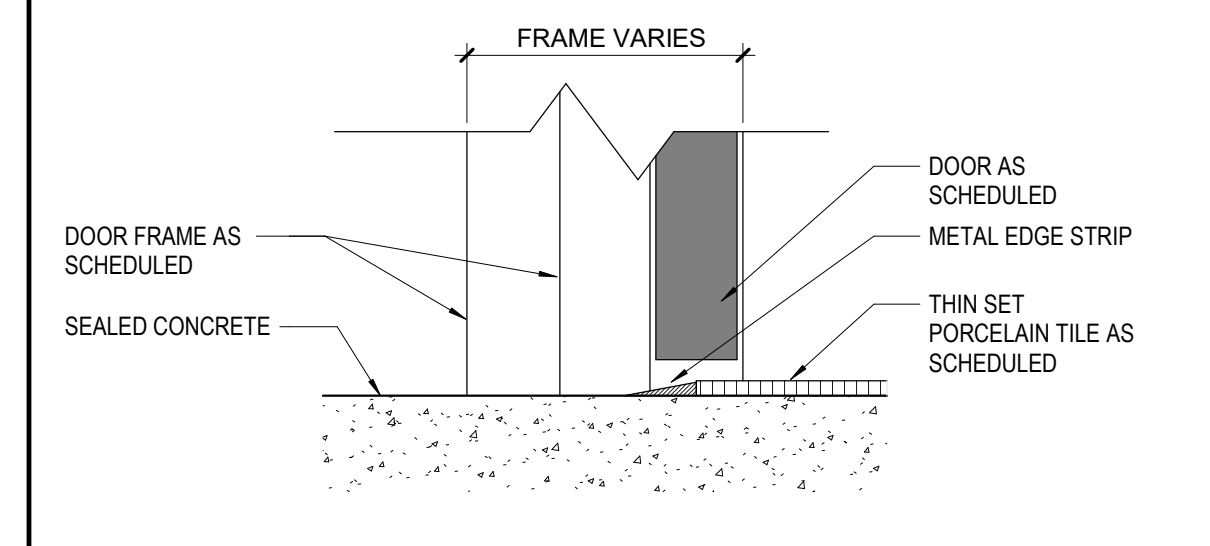
NOTE: ALL EXISTING EXTERIOR DOORS TO RECEIVE NEW HARDWARE - SEE SPECIFICATIONS



S1 SCALE 3" = 1'-0"



S2 SCALE 3" = 1'-0"

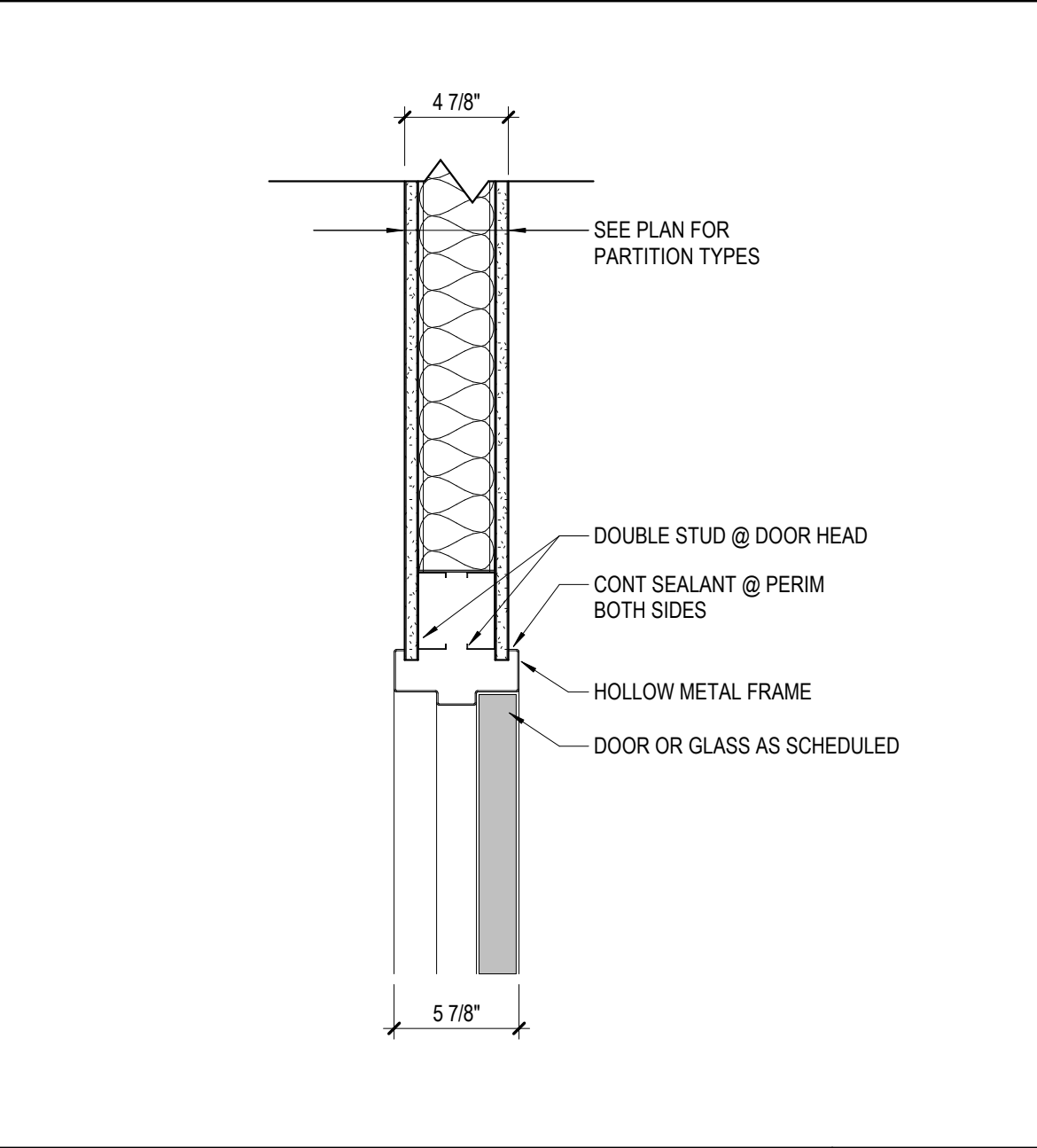


S3 SCALE 3" = 1'-0"

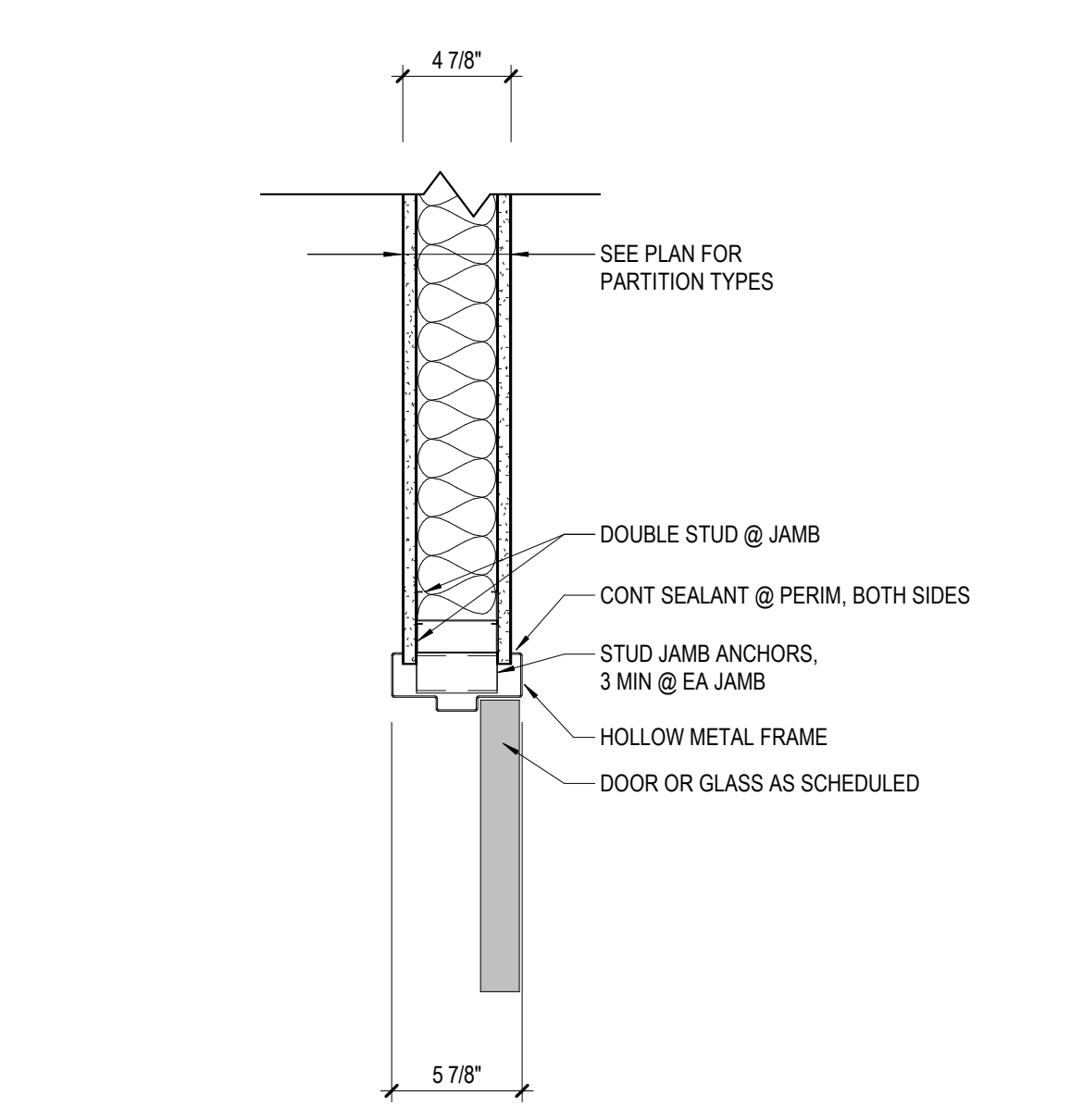
RESILIENT TRANSITION STRIPS
UNLESS NOTED OTHERWISE, TRANSITION STRIPS SHALL BE EQUIVALENT TO THE PROFILES LISTED BELOW. (WHERE APPLICABLE, XX DENOTES COLOR CODE, COLORS TO BE SELECTED BY ARCHITECT)

- RESILIENT FLOORING TO 5/16" THICK HARD TILE: SCHLUTER - RENO - U AEU100
- RESILIENT FLOORING TO SEALED CONCRETE: JOHNSONITE - SSR-XX-B

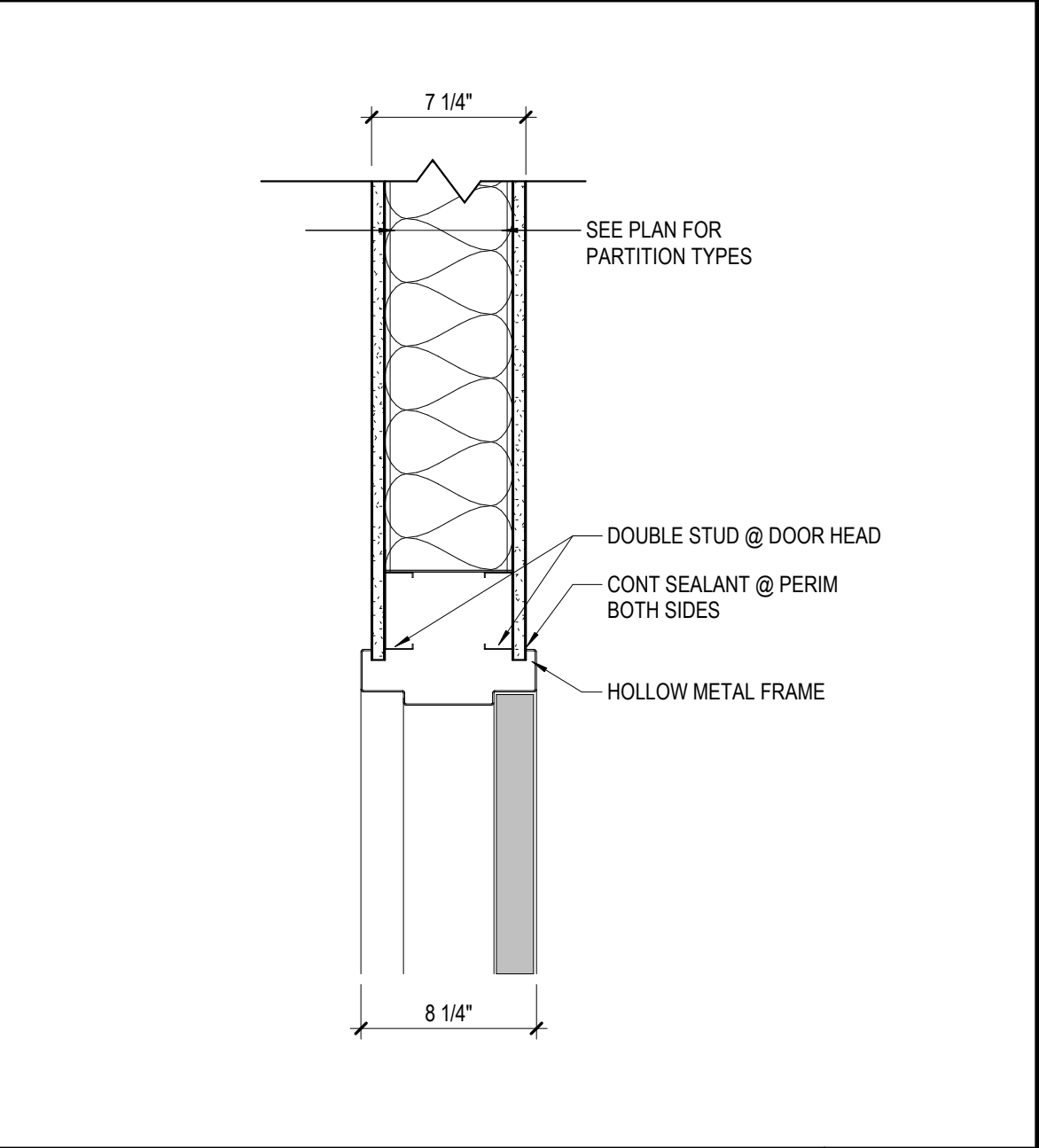
THRESHOLD & TRANSITION NOTES
1. FLOOR FINISH TRANSITIONS SHOWN ON THIS SHEET AS DOOR OPENING THRESHOLD CONDITIONS SHALL ALSO APPLY TO ALL SIMILAR MATERIAL TRANSITIONS THAT ARE REQUIRED BY THE WORK, UNLESS INDICATED OTHERWISE.
2. SEE ROOM FINISH SCHEDULE AND FLOOR FINISH PLANS FOR FLOOR FINISH LOCATIONS.



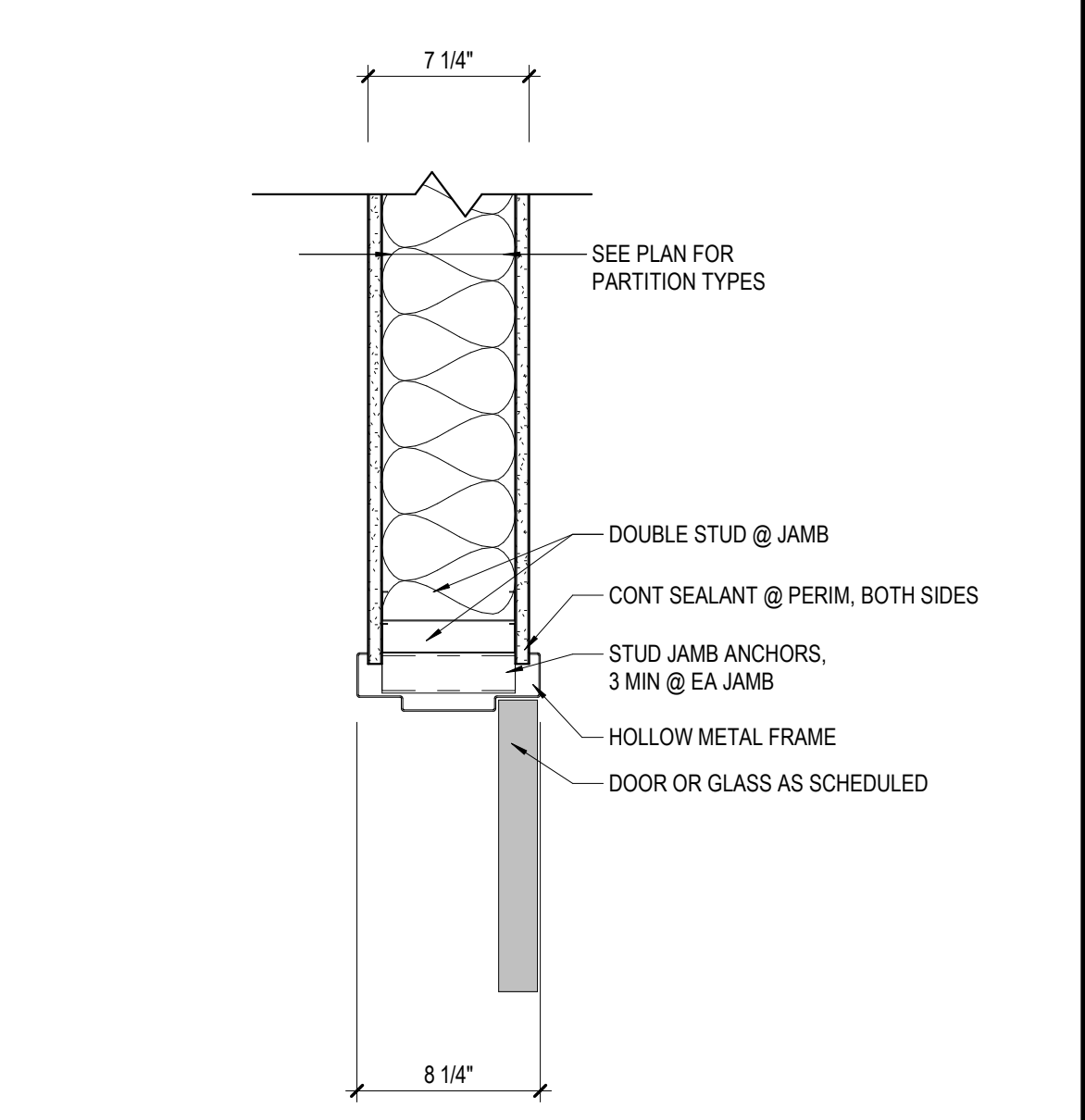
H1 SCALE 1-1/2" = 1'-0"



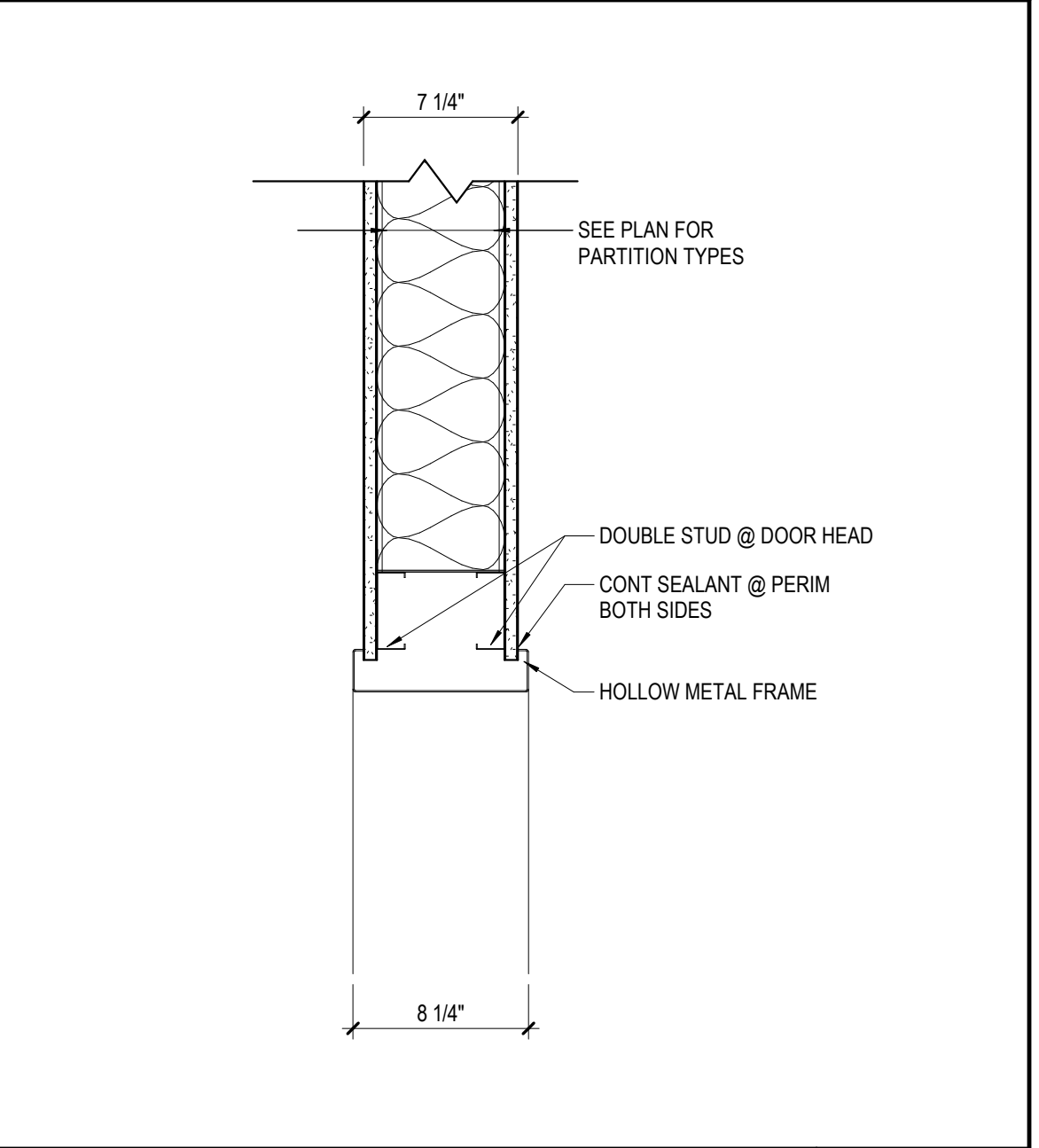
J1 SCALE 1-1/2" = 1'-0"



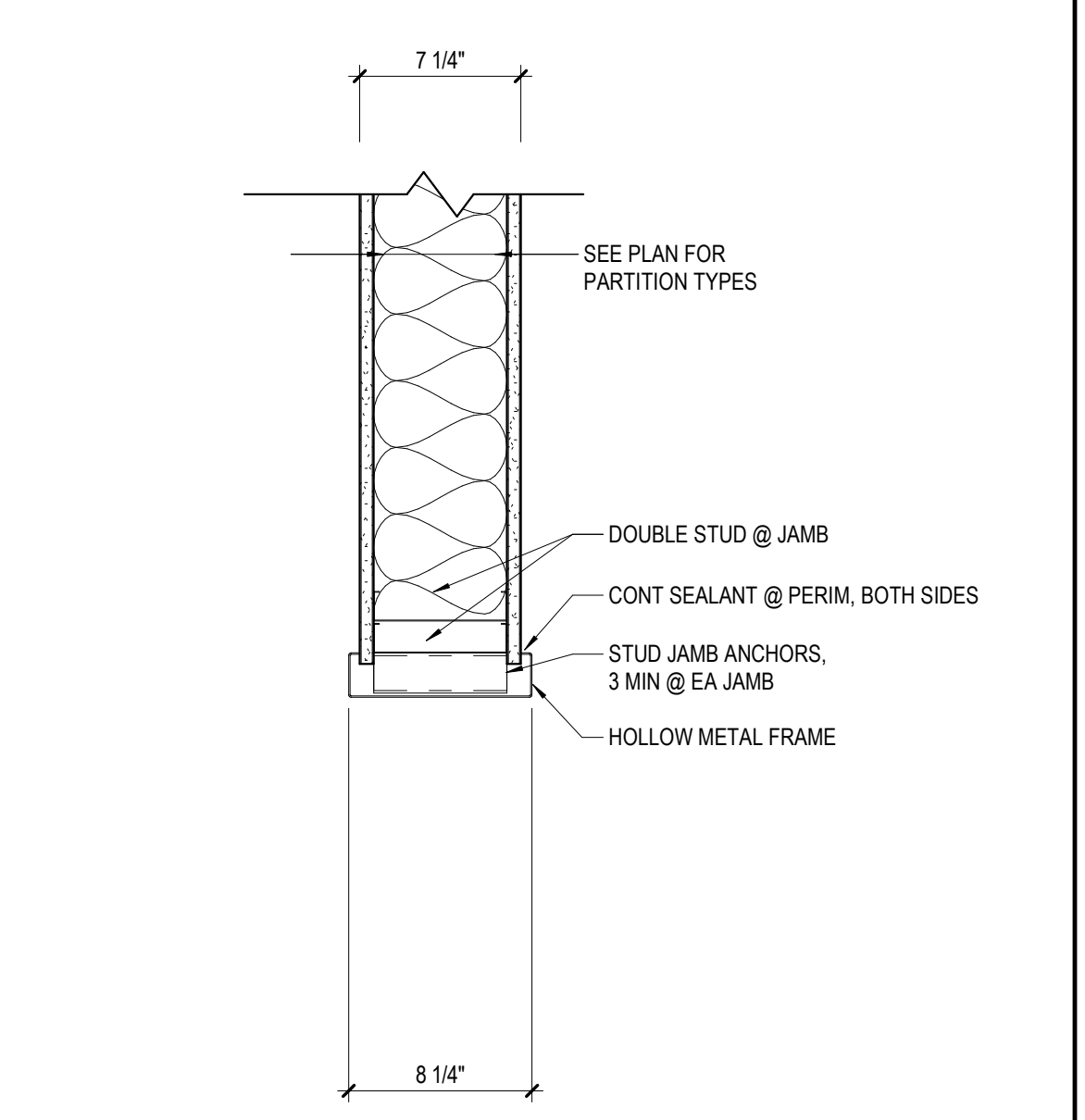
H2 SCALE 1-1/2" = 1'-0"



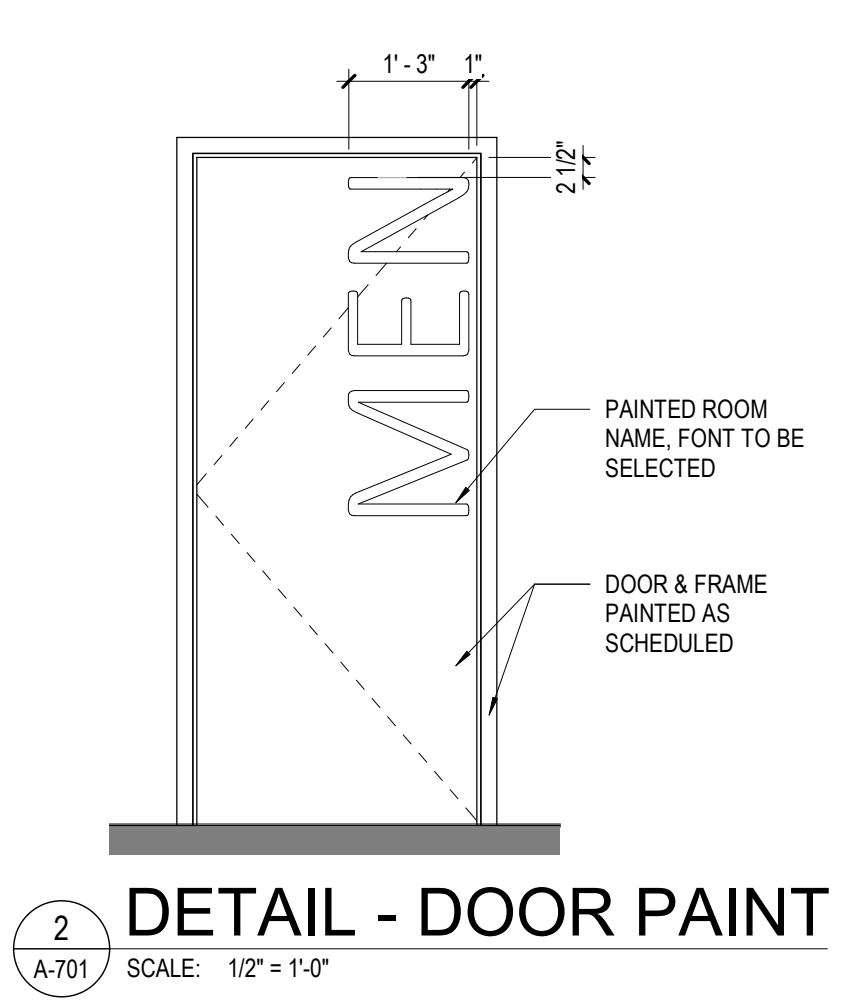
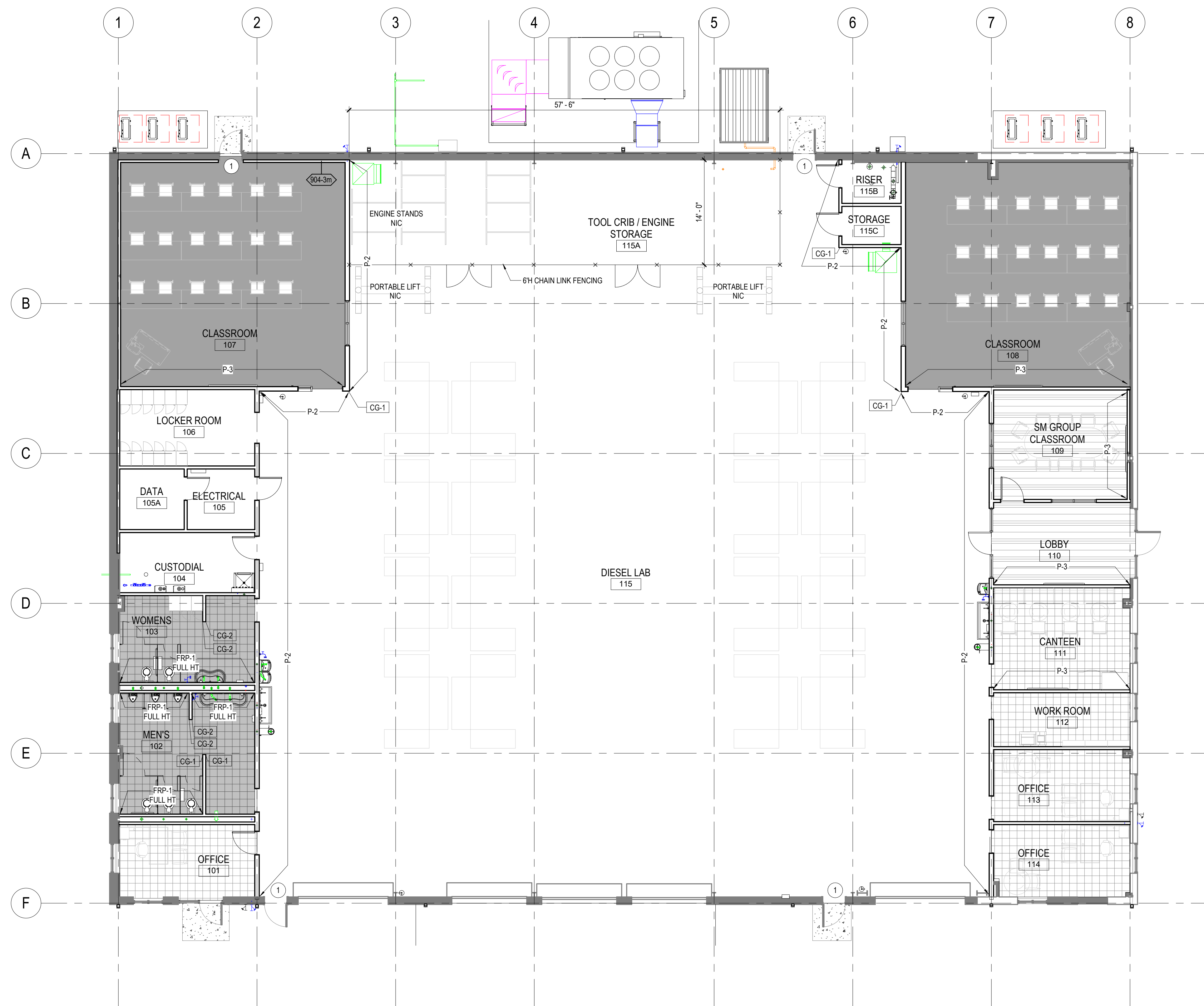
J2 SCALE 1-1/2" = 1'-0"



H3 SCALE 1-1/2" = 1'-0"



J3 SCALE 1-1/2" = 1'-0"



2
A-701
SCALE: 1/2" = 1'-0"

1
A-701
SCALE: 1/8" = 1'-0"

| ROOM FINISH SCHEDULE - FIRST FLOOR | | | | | | |
|------------------------------------|----------------------------|--------------|-------|---------------------------|---------------------|---------|
| ROOM NO | ROOM NAME | FLOOR FINISH | | | CEILING | REMARKS |
| | | FLOOR | BASE | WALL FINISH | | |
| 101 | OFFICE | QT-1 | RB-1 | P-1 | APC-1 | |
| 102 | MENS | PT-1 | PTB-1 | P-1, FRP-1 | APC-1 | |
| 103 | WOMENS | PT-1 | PTB-1 | P-1, FRP-1 | APC-1 | |
| 104 | CUSTODIAL | SC | RB-1 | P-1 | APC-1 | |
| 105 | ELECTRICAL | SC | RB-1 | P-1 | APC-1 | |
| 105A | DATA | SC | RB-1 | P-1 | APC-1 | |
| 106 | LOCKER ROOM | SC | RB-1 | P-1 | APC-1 | |
| 107 | CLASSROOM | EPXY-1 | RB-1 | P-1, P-3 | APC-1 | |
| 108 | CLASSROOM | EPXY-1 | RB-1 | P-1, P-3 | APC-1 | |
| 109 | SM GROUP CLASSROOM | LVT-1 | RB-1 | P-1, P-3 | APC-1 | |
| 110 | LOBBY | LVT-1 | RB-1 | P-1, P-3 | APC-1, P-6 | |
| 111 | CANTEEN | QT-1 | RB-1 | P-1, P-3 | APC-1 | |
| 112 | WORK ROOM | QT-1 | RB-1 | P-1 | APC-1 | |
| 113 | OFFICE | QT-1 | RB-1 | P-1 | APC-1 | |
| 114 | OFFICE | QT-1 | RB-1 | P-1 | APC-1 | |
| 115 | DIESEL LAB | SC | RB-1 | P-1, P-2, P-4, P-6, FRP-1 | EXP STR-1, P-4, P-6 | |
| 115A | TOOL CRIB / ENGINE STORAGE | SC | RB-1 | P-1 | EXP STR-1, P-4, P-6 | |
| 115B | RISER | SC | RB-1 | P-1 | P-6 | |
| 115C | STORAGE | SC | RB-1 | P-1 | P-6 | |

INTERIOR FINISH MATERIALS

- EPXY (EPXY)**
EPXY-1
MANUFACTURER: SHERWIN WILLIAMS
SYSTEM: ARMORSEAL 1000
COLOR: #53 CHARCOAL
- QUARTZ COMPOSITION TILE (QT)**
QT-1
MANUFACTURER: LUPORLOOR
STYLE: MOSAIC QUARTZ
COLOR: 8316
SIZE: 12" X 12"
- LUXURY VINYL TILE (LVT)**
LVT-1
MANUFACTURER: MANNINGTON
COLLECTION: ANTIQO ANTHOLOGY
STYLE: TBD
COLOR: TBD
SIZE: TBD
- PORCELAIN TILE (PT)**
PT-1
MANUFACTURER: MILESTONE
STYLE: BASALTINE GRIP FINISH
COLOR: DARK GRAY
SIZE: 12" X 12"
- PORCELAIN TILE BASE (PTB)**
PTB-1
MANUFACTURER: MILESTONE
STYLE: BASALTINE
COLOR: DARK GRAY
SIZE: 6" X 24"
- SEALED CONCRETE (SC)**
SC
MANUFACTURER: SHERWIN WILLIAMS
TYPE: CLEAR FLOOR SEALER
- RUBBER BASE (RB)**
RB-1
MANUFACTURER: JOHNSONITE
COLOR: 63 BURNT UMBER
STYLE: 4" COVE
- PAINT (P)**
P-1
MANUFACTURER: SHERWIN WILLIAMS
COLOR: SW 7667 ZIRCON
REMARKS: GENERAL PAINT COLOR
- P-2**
MANUFACTURER: SHERWIN WILLIAMS
COLOR: SW 6967 FRANK BLUE
REMARKS: ACCENT PAINT COLOR
- P-3**
MANUFACTURER: SHERWIN WILLIAMS
COLOR: SW 9062 BLUEBIRD FEATHER
REMARKS: ACCENT PAINT COLOR
- P-4**
MANUFACTURER: SHERWIN WILLIAMS
COLOR: SW 6375 HONEYCOMB
REMARKS: ACCENT PAINT COLOR
- P-5**
MANUFACTURER: SHERWIN WILLIAMS
COLOR: SW 7813 PEWTER CAST
REMARKS: DOORS & FRAMES
- P-6**
MANUFACTURER: SHERWIN WILLIAMS
COLOR: SW 7005 PURE WHITE
REMARKS: CEILING & EXPOSED PURLINS
- CORNER GUARD (CG)**
CG-1
MANUFACTURER: KOROSEAL
STYLE: G520
REMARKS: STAINLESS STEEL 6H WITH 2" WING
- CG-2**
MANUFACTURER: WALLPROTEK
STYLE: WALLPROTEK
REMARKS: PAINTED TO MATCH WALL COLOR
- FIBER REINFORCED PLASTIC (FRP)**
FRP-1
MANUFACTURER: MARLITE
STYLE: TEXTURED
COLOR: PATON DARK GREY
- ACOUSTICAL PANEL CEILING (APC)**
APC-1
MANUFACTURER: USG
STYLE: MARS CLIMPLUS PERFORMANCE
COLOR: WHITE
EDGE: SQUARE LAY IN
SIZE: 2' X 2'
GRID: DONN DDXDL 1516" WHITE

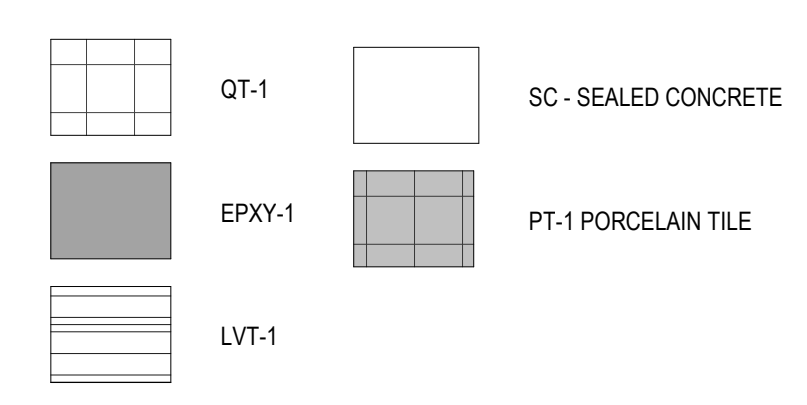
GENERAL FINISH NOTES

- WHERE SPECIFIC PRODUCTS ARE INDICATED ITEM DESIGNATION INCORPORATES QUALITY AESTHETIC APPEARANCE. SEE SPECIFICATIONS FOR EQUAL MANUFACTURERS PER PRODUCT TYPE INDICATED. ACTUAL COLOR SELECTION MAY VARY PER BIDDING OUTCOME. DEPENDING ON LOCATION OF ITEM. ALTERNATES SHALL MATCH IN COLOR/TEXTURE, AS WELL AS PERFORMANCE CRITERIA, AS APPROVED BY ARCHITECT.
- WHERE FINISH SCHEDULES INDICATE MULTIPLE COLORS / PATTERNS OF A PARTICULAR FINISH. SEE REMARKS AND FINISH DRAWINGS / ELEVATIONS FOR COMPLETE DESIGNATIONS, LAYOUT AND DIMENSIONS. SEE ENLARGED PLANS FOR REFERENCES.
- REFERENCE REFLECTED CEILING PLANS FOR EXTENT/LOCATION OF CEILING FINISH DESIGNATIONS AND HEIGHTS. IN AREAS INDICATED BY THE FINISH PLANS TO BE PAINTED AND WHERE NO CEILING IS INDICATED, PAINT SHALL EXTEND TO THE BOTTOM OF THE FLOOR OR ROOF STRUCTURE (TYPICAL). REFER TO REFLECTED CEILING PLANS AND FINISH SPECIFICATIONS FOR PAINTING OF EXPOSED STRUCTURE.
- SEE FINISH SCHEDULE AND/OR ENLARGED INTERIOR PLANS & ELEVATIONS FOR SPECIFIC PAINT DESIGNATIONS.
- ALL PAINT COLORS AND LOCATIONS ARE TO BE FIELD VERIFIED WITH ARCHITECT PRIOR TO INSTALLATION. PAINT-TO-PAINT COLOR TRANSITIONS ARE TO OCCUR AT INSIDE CORNERS ONLY, UNLESS APPROVED IN THE FIELD BY ARCHITECT.
- PROVIDE FINISH PAINT SYSTEM BEHIND ALL CABINETS, SHELVING, MARKER BOARDS, TACK BOARDS, SMART BOARDS, AND ALL OTHER WALL MOUNTED (SEMI-PERMANENT) ITEMS, UNLESS NOTED OTHERWISE.
- ALL INTERIOR HOLLOW METAL DOOR FRAMES, DOORS, TRANSOMS AND WINDOW FRAMES TO BE PAINTED COLOR P-6 UNLESS NOTED OTHERWISE. SOME HOLLOW METAL DOOR FRAMES, TRANSOMS, AND DOORS MAY REQUIRE ONE COLOR ON EACH SIDE OF DOOR AND FRAME. COLOR TRANSITION TO OCCUR AT INSIDE RABBIT JOINT OF FRAME AT DOOR HINGE. SEE FINISH PLANS FOR LOCATIONS.
- WALL MOUNTED HVAC DIFFUSERS AND RETURN GRILLES SHALL BE PRE-FINISHED COLOR AS SELECTED BY ARCHITECT FROM FULL RANGE OF COLORS. SEE ELEVATIONS / PLANS FOR LOCATIONS OF DIFFUSERS / GRILLES TO BE SPECIFIC COLOR OR TO BE PAINTED TO MATCH ADJACENT WALL COLOR.
- EXPOSED ELEMENTS: ALL DUCTWORK, CONDUIT, SPRINKLER PIPING AND RELATED HANGERS AND ACCESSORIES IN AREAS WHERE EXPOSED TO VIEW SHALL BE PAINTED. COLOR TO BE SELECTED BY ARCHITECT. ALL EXPOSED WIREMOLD, CONDUIT, PIPING, ETC. SHALL BE PAINTED TO MATCH ADJACENT WALL.
- PROVIDE SCHEDULED WALL BASE AT ALL EXPOSED SIDES OF ALL CASEWORK UNLESS NOTED OTHERWISE.
- SCHEDULED BASES SHALL WRAP CORNERS AT DOORS & WINDOWS & RETURN TO JAMB, UNLESS NOTED OTHERWISE.
- SCHEDULED FLOOR FINISHES SHALL TERMINATE AT THE CENTER OF THE DOOR(S) IN THE CLOSED POSITION WHEN FLOOR FINISH CHANGES (MATERIAL OR COLOR). SCHEDULED FLOOR FINISH PATTERN SHALL EXTEND AND ALIGN AT DOORS IF SAME MATERIAL EXTENDS BETWEEN TWO ADJACENT ROOMS.
- SCHEDULED FLOOR FINISHES SHALL EXTEND CONTINUOUSLY UNDERNEATH BASE CABINETS AND OTHER SEMI-PERMANENT FLOOR MOUNTED ITEMS.
- PROVIDE SELF-LEVELING FLOOR LEVELER AND/OR PATCHING MATERIALS TO MAINTAIN SUBSTRATE LEVELNESS AS REQUIRED BY FLOORING MANUFACTURER AND AS REQUIRED TO MAINTAIN ACCESSIBILITY DIMENSIONS AT FLOOR TRANSITIONS.
- PROVIDE TRANSITION STRIPS AT ALL CONDITIONS WHERE FLOORING MATERIALS CHANGE. ALL TRANSITION STRIPS SHALL MEET ADAAG. WHERE PORCELAIN TILE TRANSITIONS TO ANOTHER FLOORING SURFACE, METAL TRANSITION STRIPS APPROVED DURING SUBMITTAL PROCESS SHALL BE INSTALLED. RUBBER TRANSITION STRIPS SHALL BE PROVIDED AT ALL OTHER FLOORING TRANSITIONS UNLESS NOTED OR DETAILED OTHERWISE.
- PROVIDE PAINT MOCK UP SAMPLES IN FIELD FOR FINAL SELECTION OF ALL PAINT COLORS. (MINIMUM 10X10). PROVIDE LIGHTING EQUAL TO PERMANENT LIGHTING FOR REVIEW.
- PREPARE ALL EXISTING SURFACES AS REQUIRED TO RECEIVE NEW FINISHES AS SCHEDULED.
- PAINT ALL SIDES OF NEW AND PATCHED WALLS AT EXISTING BUILDING.

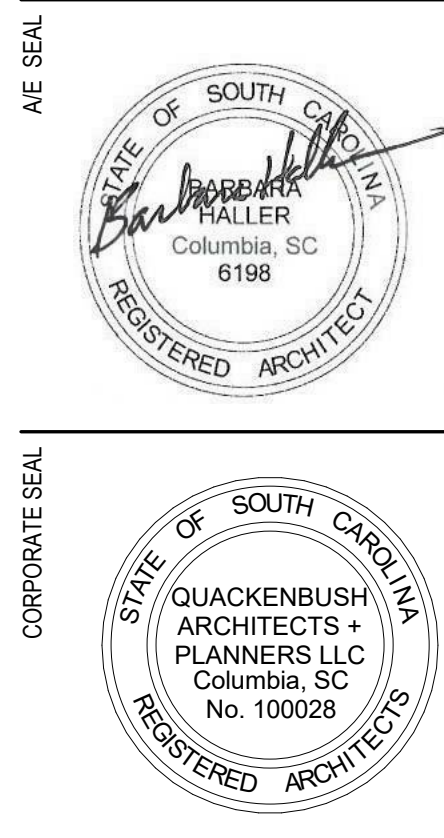
NOTES TO SHEET

- REPAINT ALL EXTERIOR DOORS AND FRAMES, ALL EXPOSED SURFACES

FLOOR FINISH LEGEND



QUACKENBUSH ARCHITECTS + PLANNERS
1217 HAMPTON | COLUMBIA, SC | 803.771.2999 | quackenbusharchitects.com



PROJECT TITLE
**HGTC - DIESEL ENGINE TRAINING FACILITY
INTERIOR RENOVATION**
HORRY-GEOGETOWN TECHNICAL COLLEGE
470 ALLED DR., CONWAY, SC

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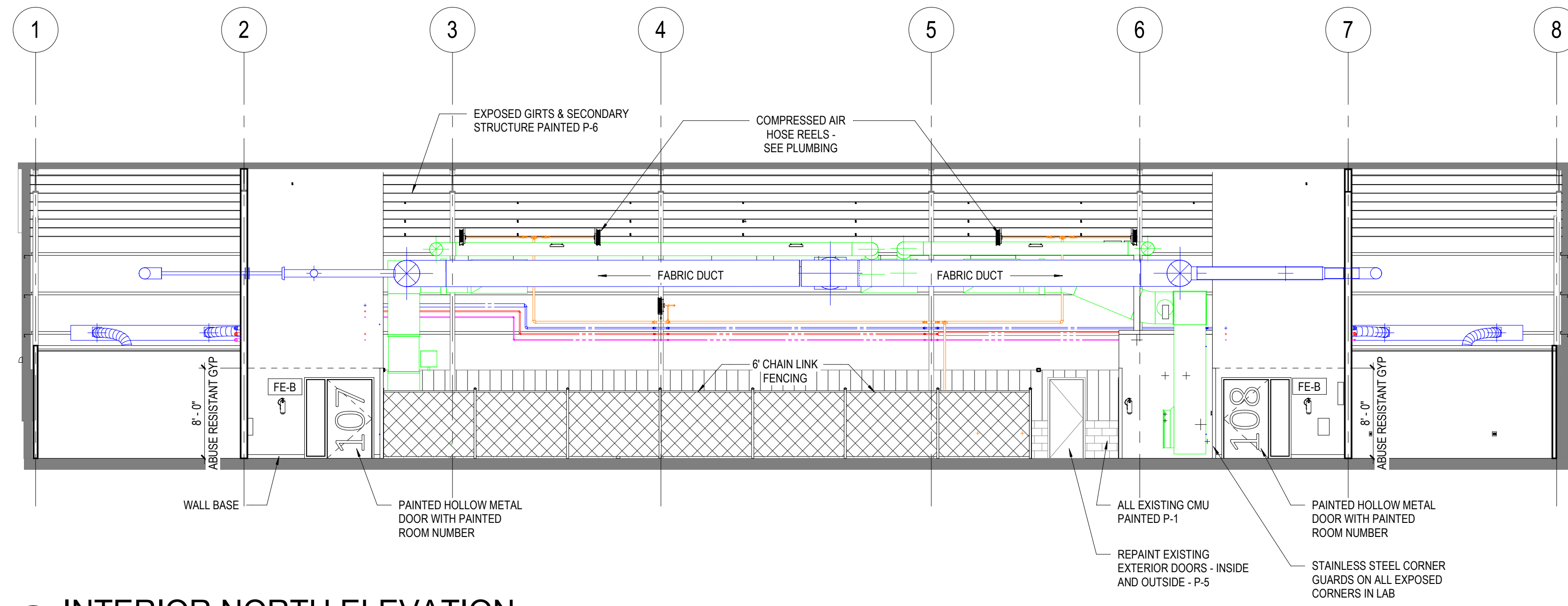
PHASE
BID SET

ISSUE DATE: 1.14.2022
PROJECT NO.: 21.286.00
STATE PROJECT NO.: H59-N134-JU

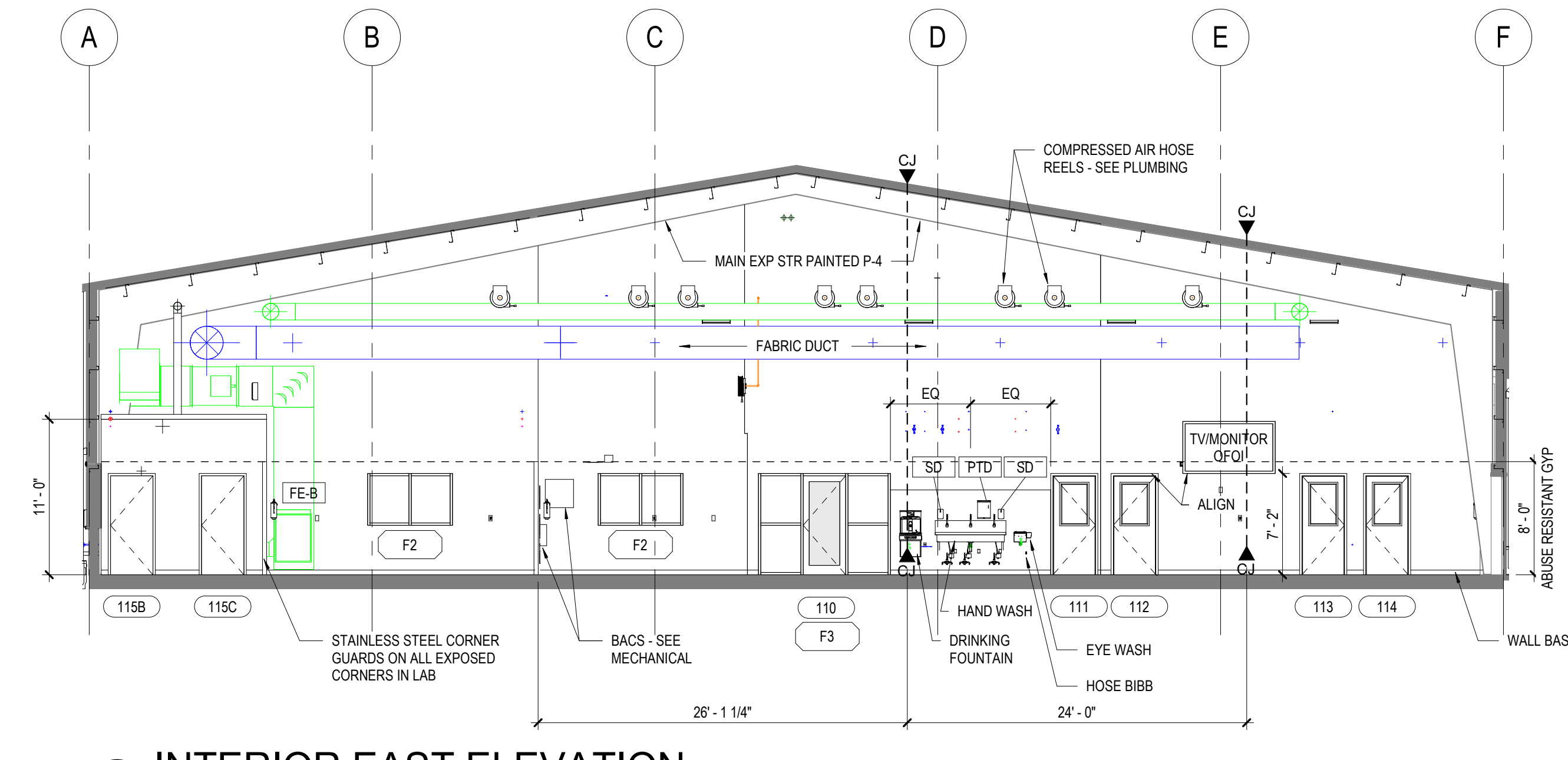
REVISION: DATE

TITLE
**FINISH FLOOR PLAN,
FINISH SCHEDULE
AND FINISH
MATERIALS**

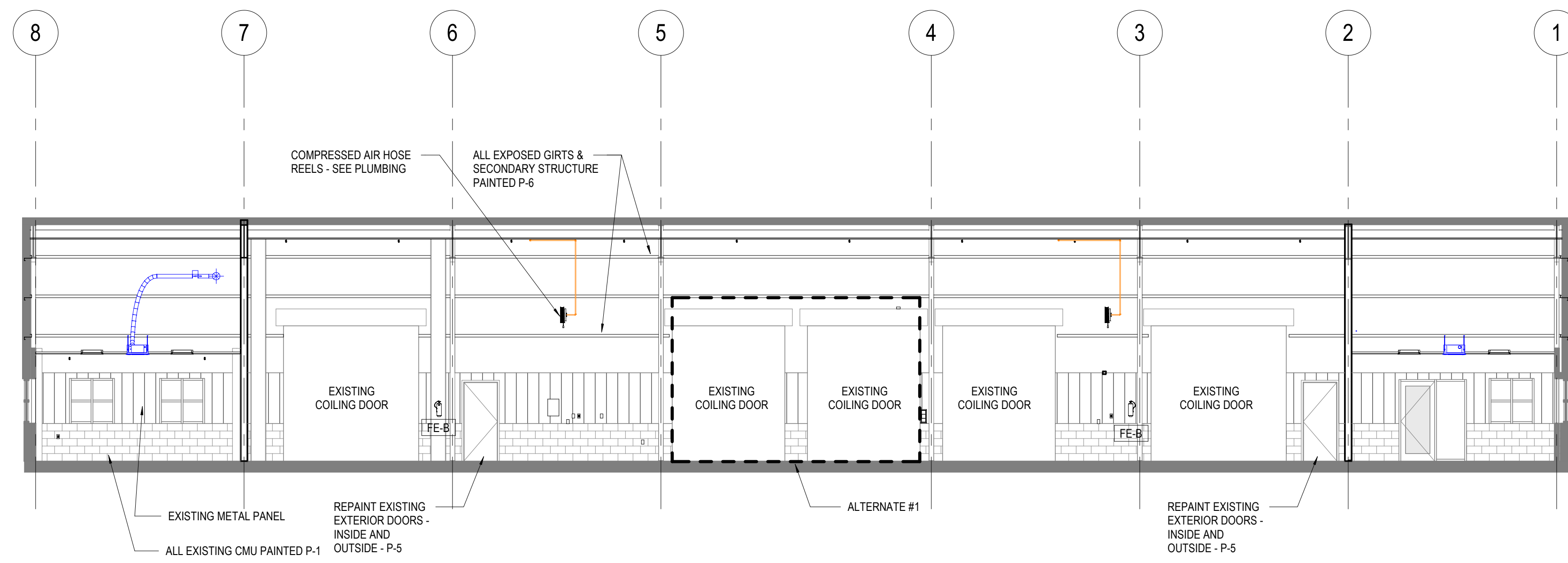
SHEET NO.
A-701



1 INTERIOR NORTH ELEVATION
A-720 SCALE: 1/8" = 1'-0"

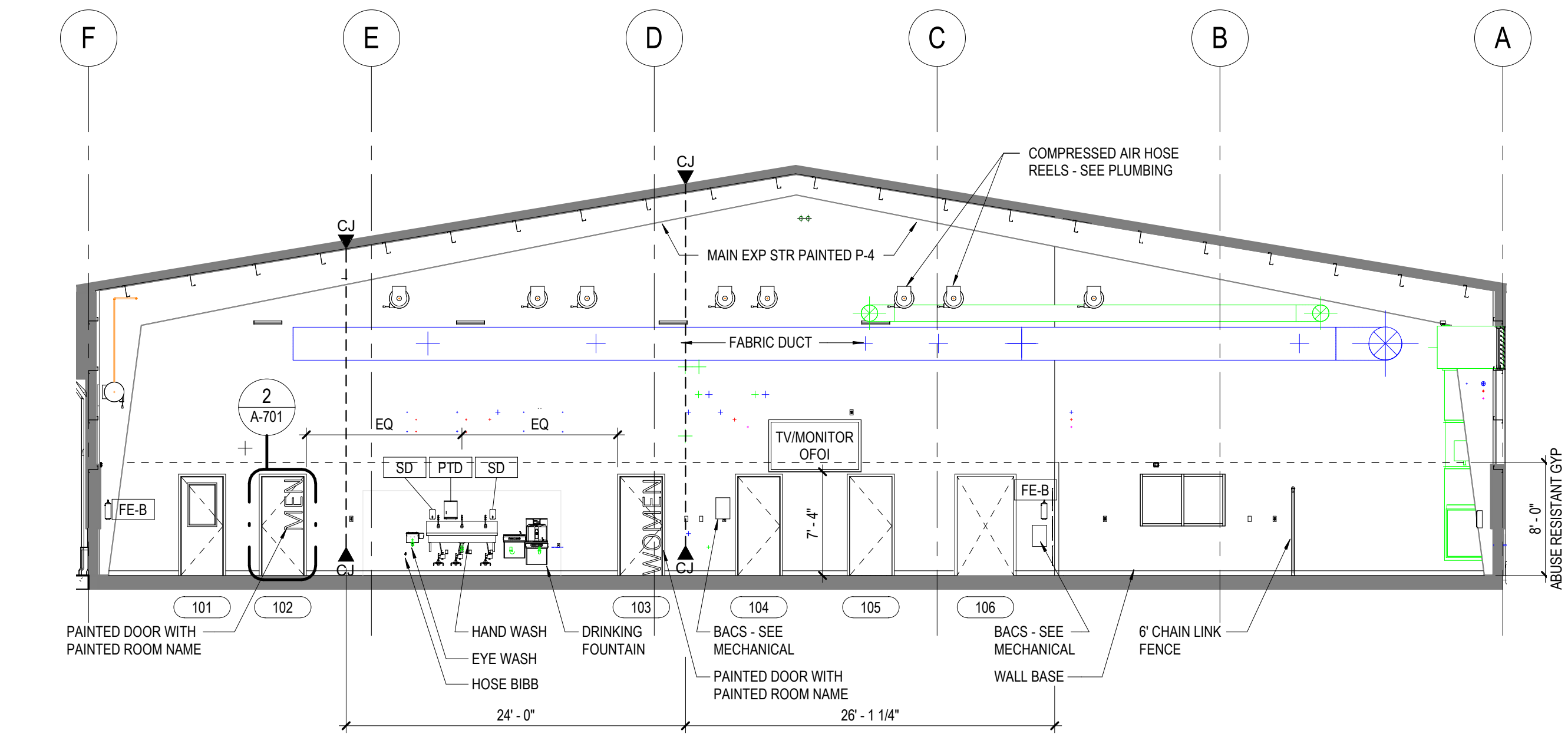


2 INTERIOR EAST ELEVATION
A-720 SCALE: 1/8" = 1'-0"

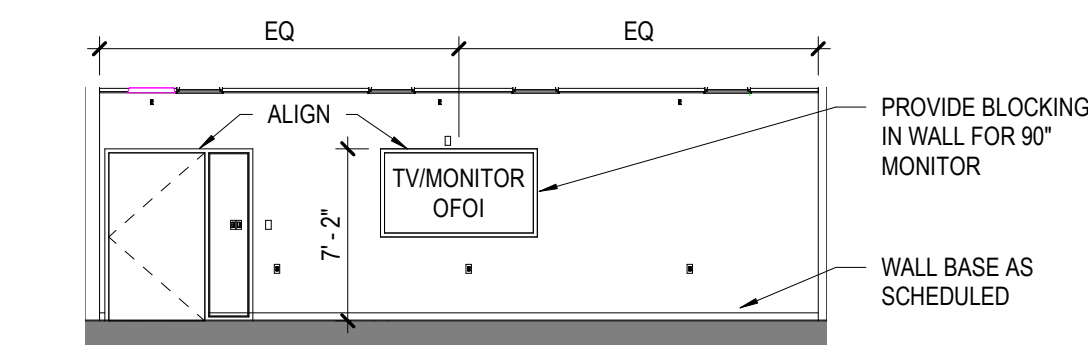


3 INTERIOR SOUTH ELEVATION
A-720 SCALE: 1/8" = 1'-0"

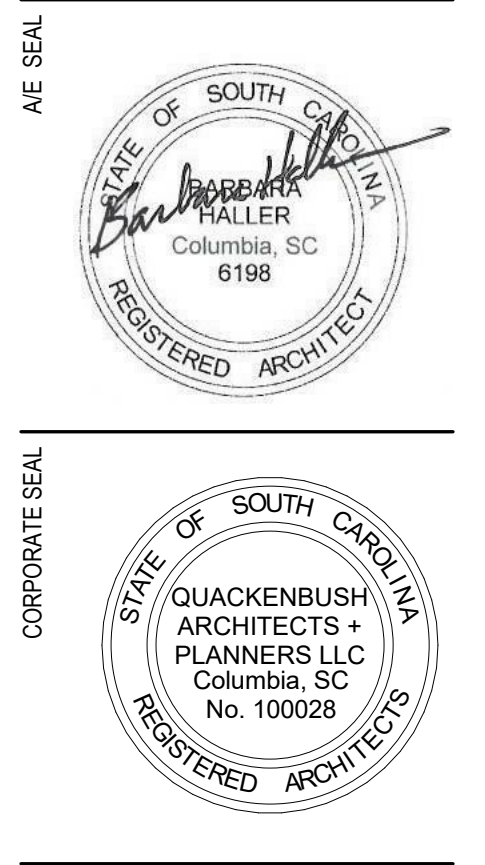
NOTE: REFERENCE SHEET
A-901 FOR ALTERNATE



4 INTERIOR WEST ELEVATION
A-720 SCALE: 1/8" = 1'-0"



5 TYPICAL TEACHING WALL
A-720 SCALE: 1/8" = 1'-0"



PROJECT TITLE
**HGTC - DIESEL ENGINE TRAINING FACILITY
INTERIOR RENOVATION**
HARRY-GEORGETOWN TECHNICAL COLLEGE
470 ALLED DR., CONWAY, SC

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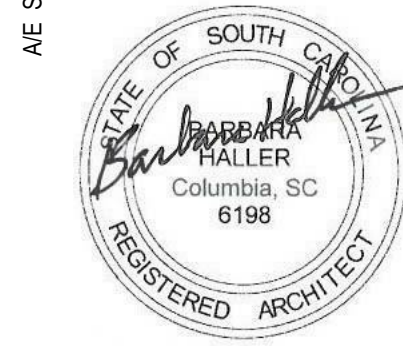
ISSUE DATE 1.14.2022
PROJECT NO. 21.286.00
STATE PROJECT NO. H59-N134-MJ

REVISION DATE

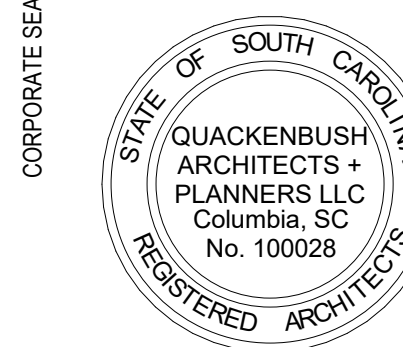
TITLE
**INTERIOR
ELEVATIONS**

SHEET NO.
A-720

AVE SEAL



CORPORATE SEAL



PROJECT TITLE

HGTC - DIESEL ENGINE TRAINING FACILITY
INTERIOR RENOVATION
HORRY-GEORGETOWN TECHNICAL COLLEGE
470 ALLEED DR., CONWAY, SC

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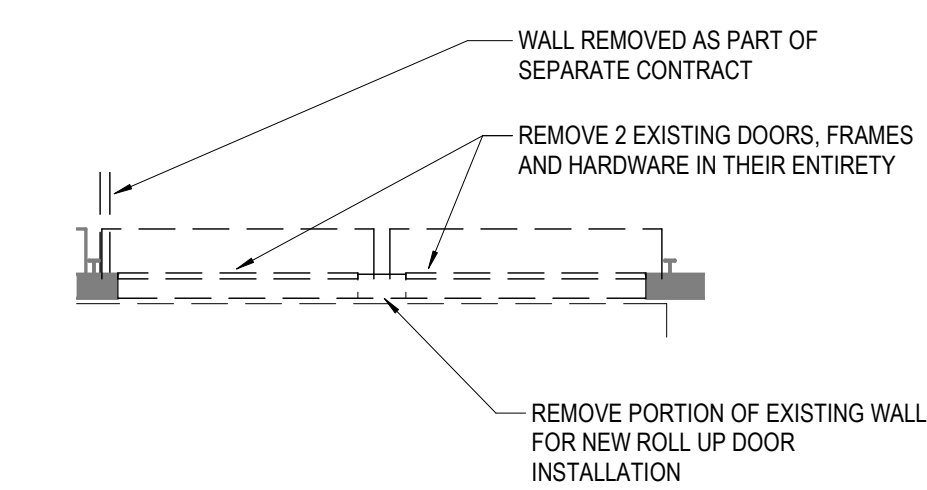
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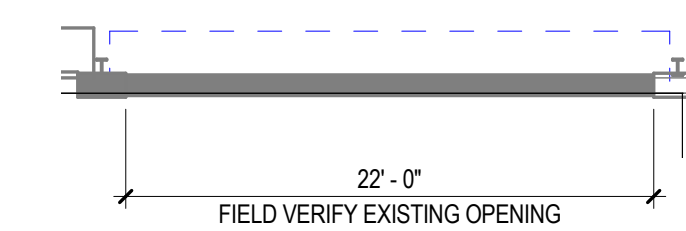
REVISION DATE

TITLE
ALTERNATE #1

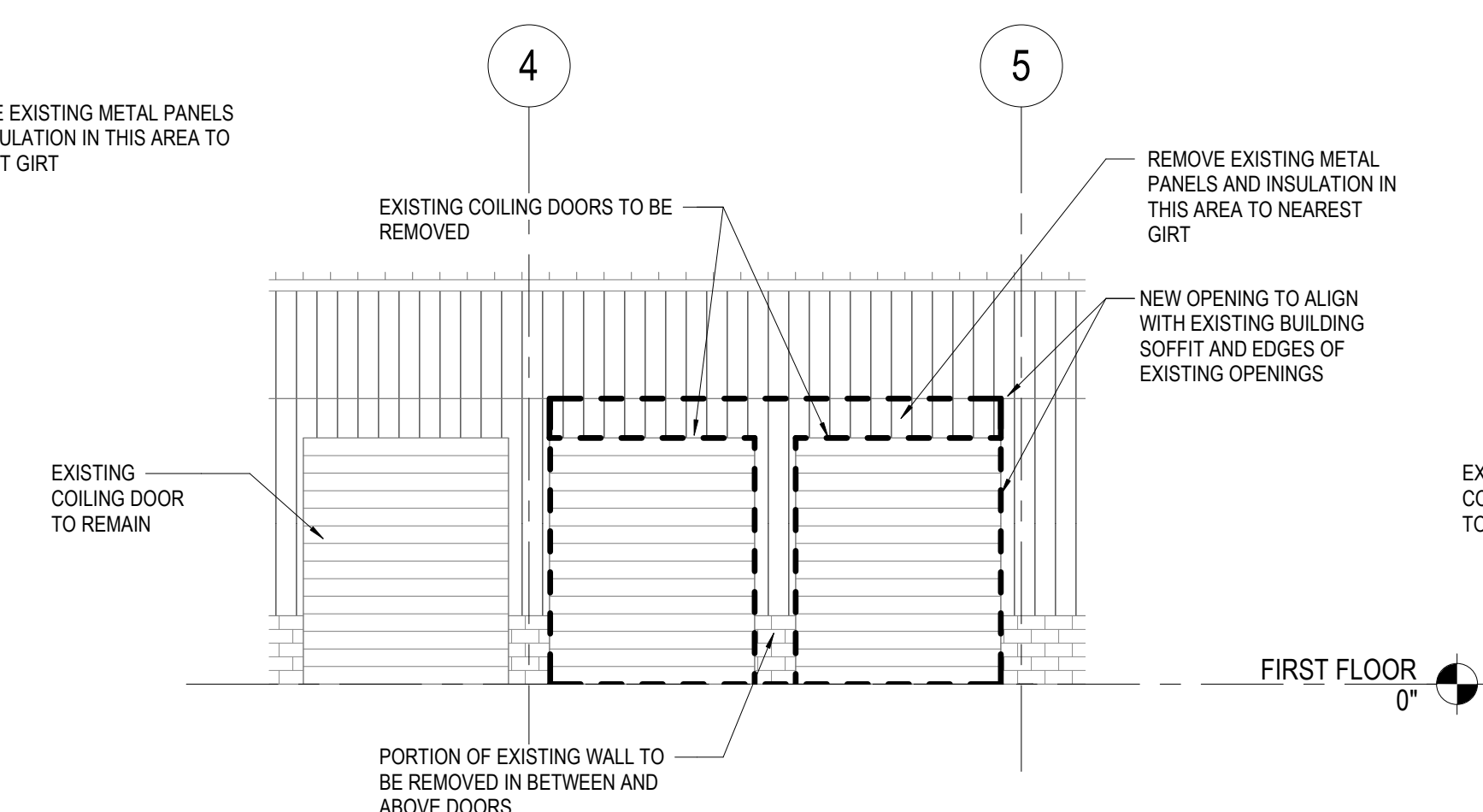
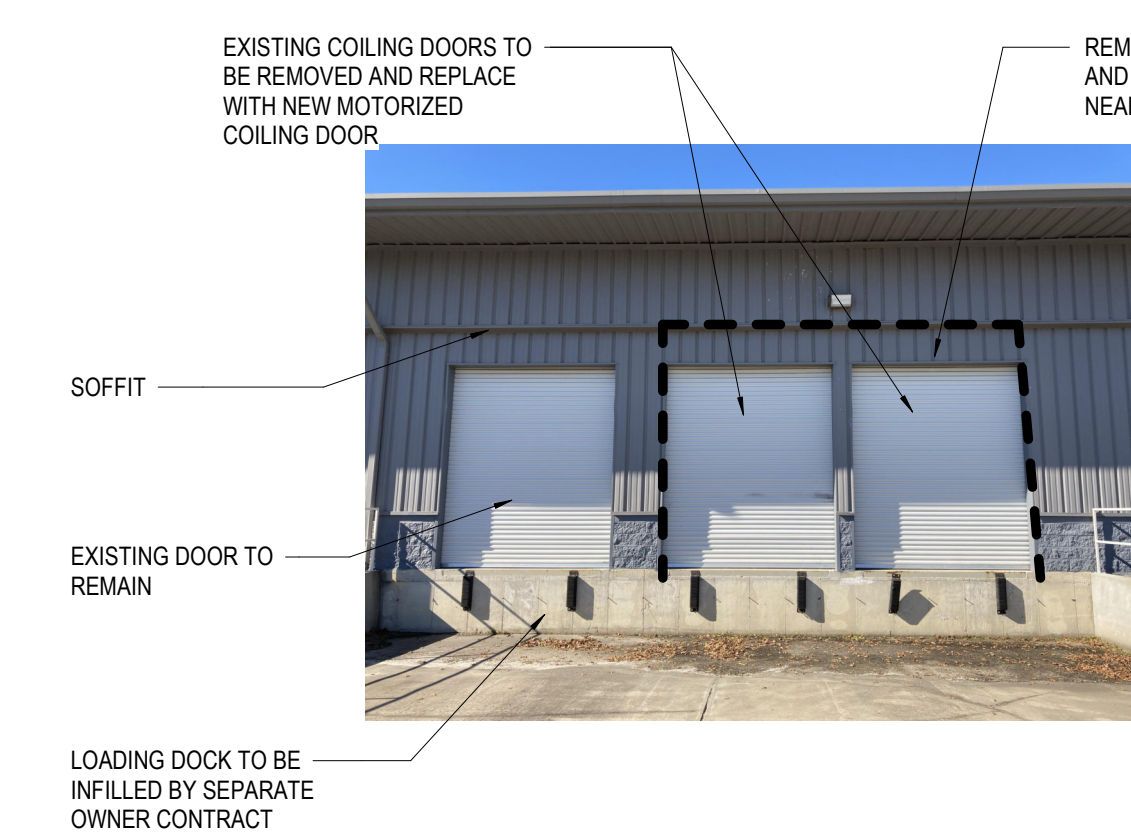
SHEET NO.
A-901



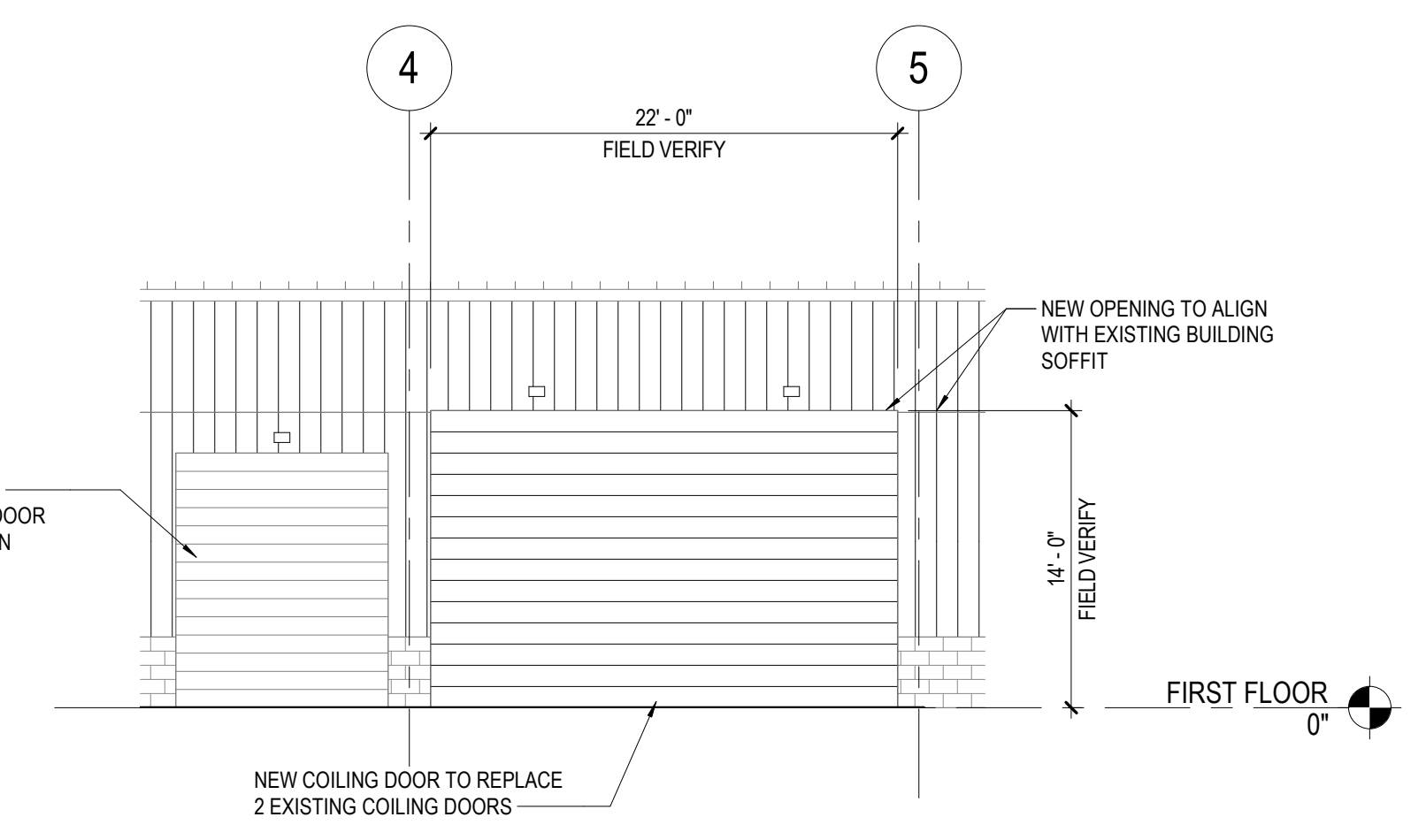
1 ALTERNATE #1 - DEMOLITION PLAN
A-901 SCALE: 1/8" = 1'-0"



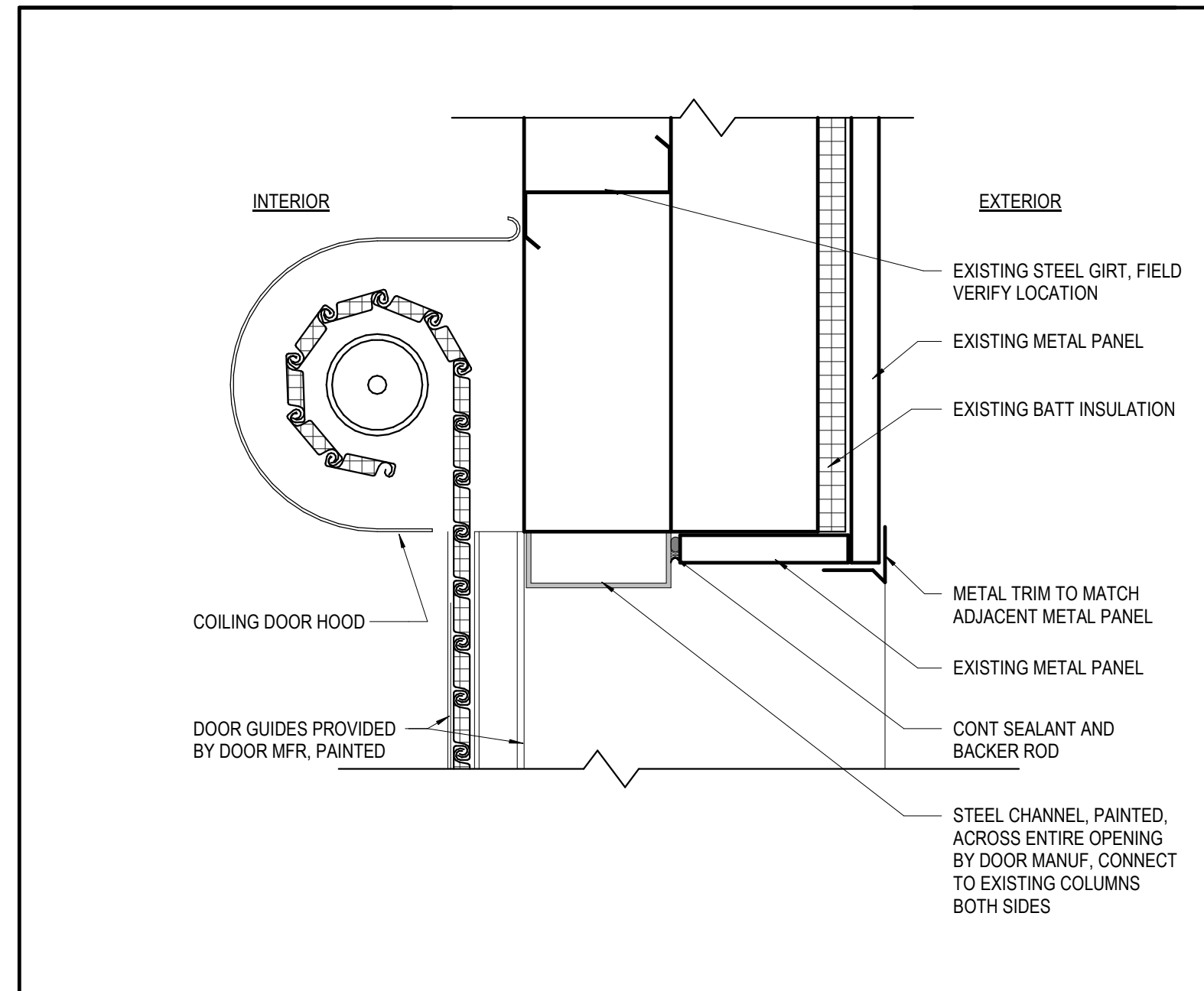
2 ALTERNATE #1 - COILING DOOR PLAN
A-901 SCALE: 1/8" = 1'-0"



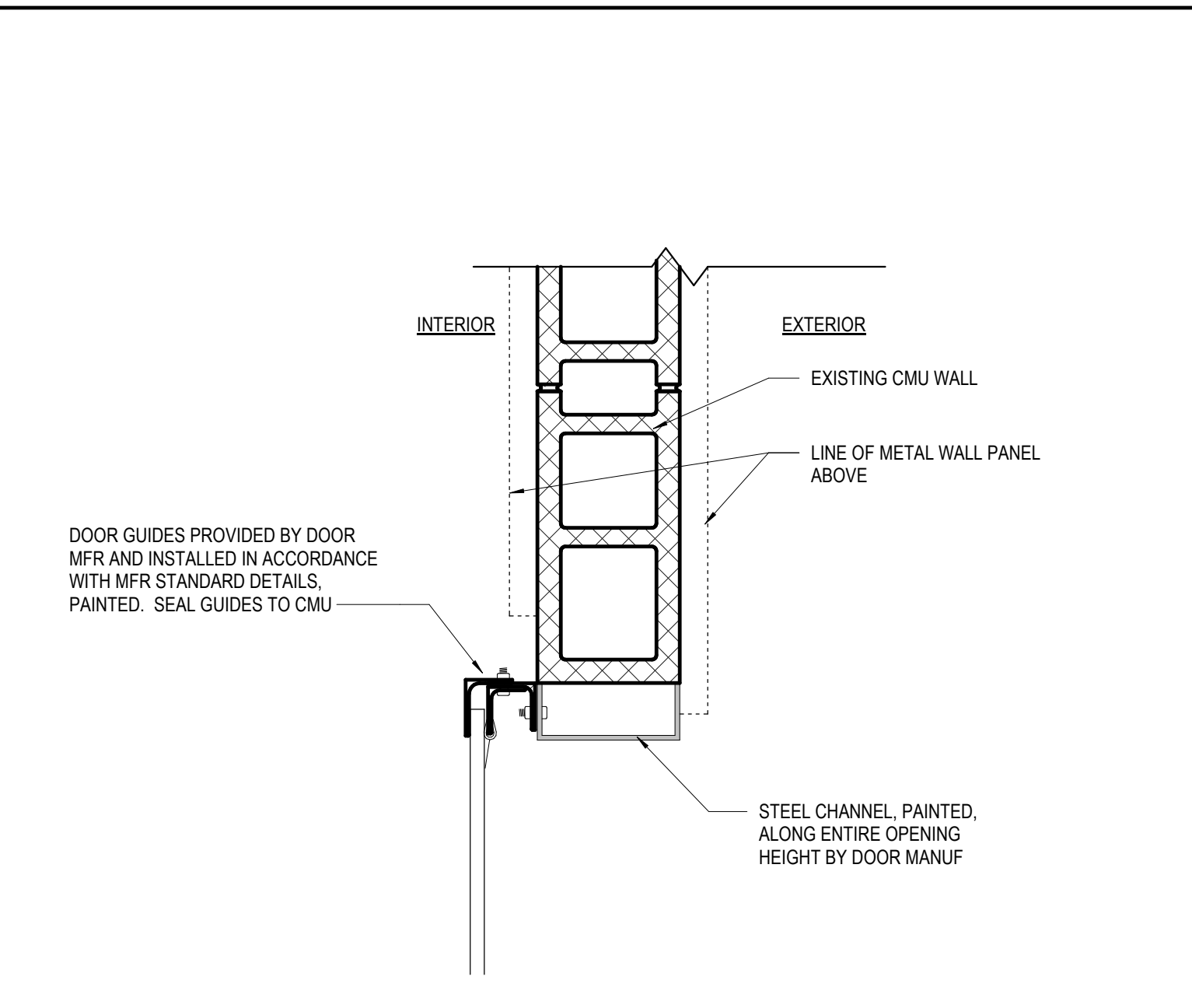
3 ALTERNATE #1 - DEMOLITION ELEVATION
A-901 SCALE: 1/8" = 1'-0"



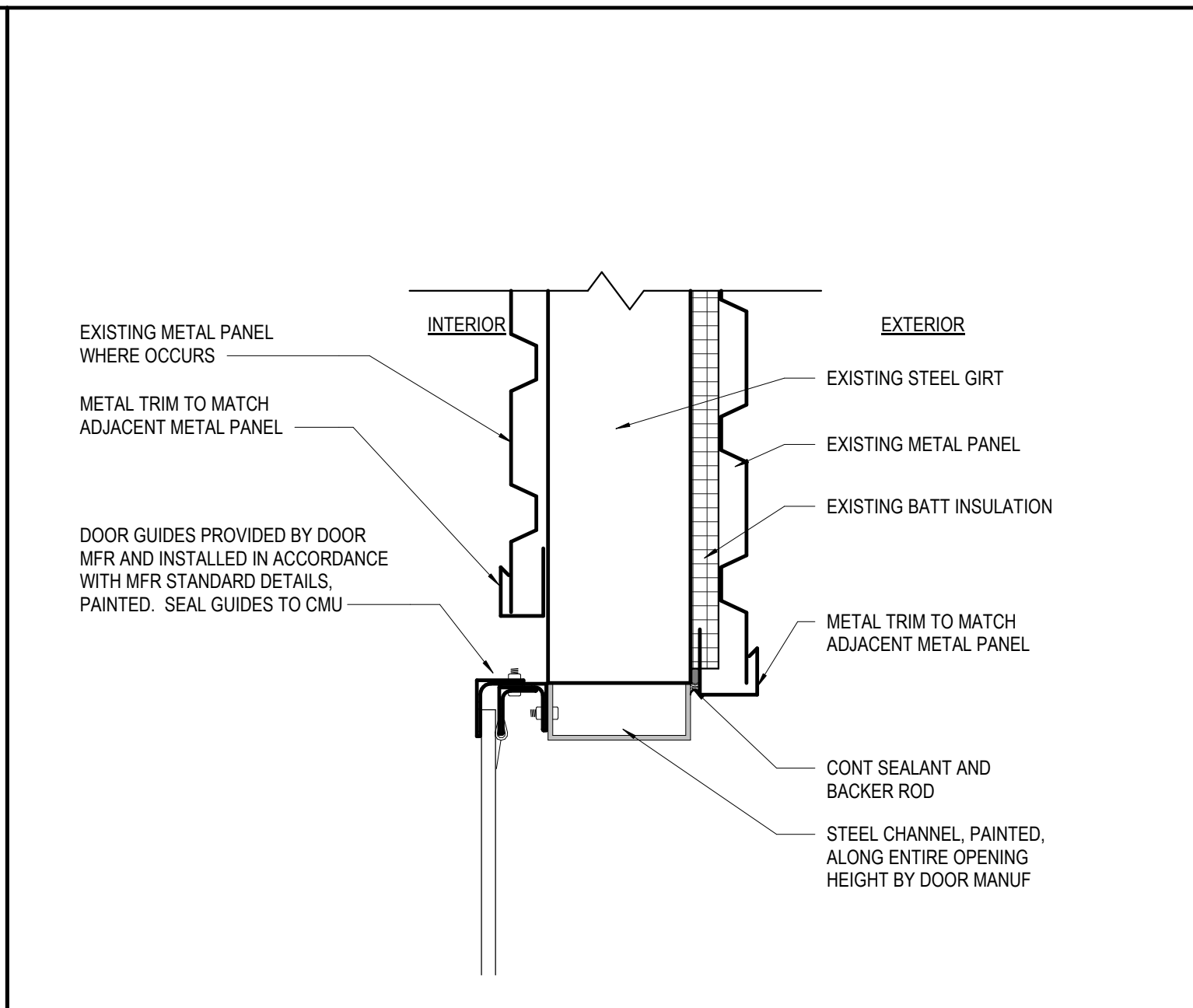
4 ALTERNATE #1 - COILING DOOR ELEVATION
A-901 SCALE: 1/8" = 1'-0"



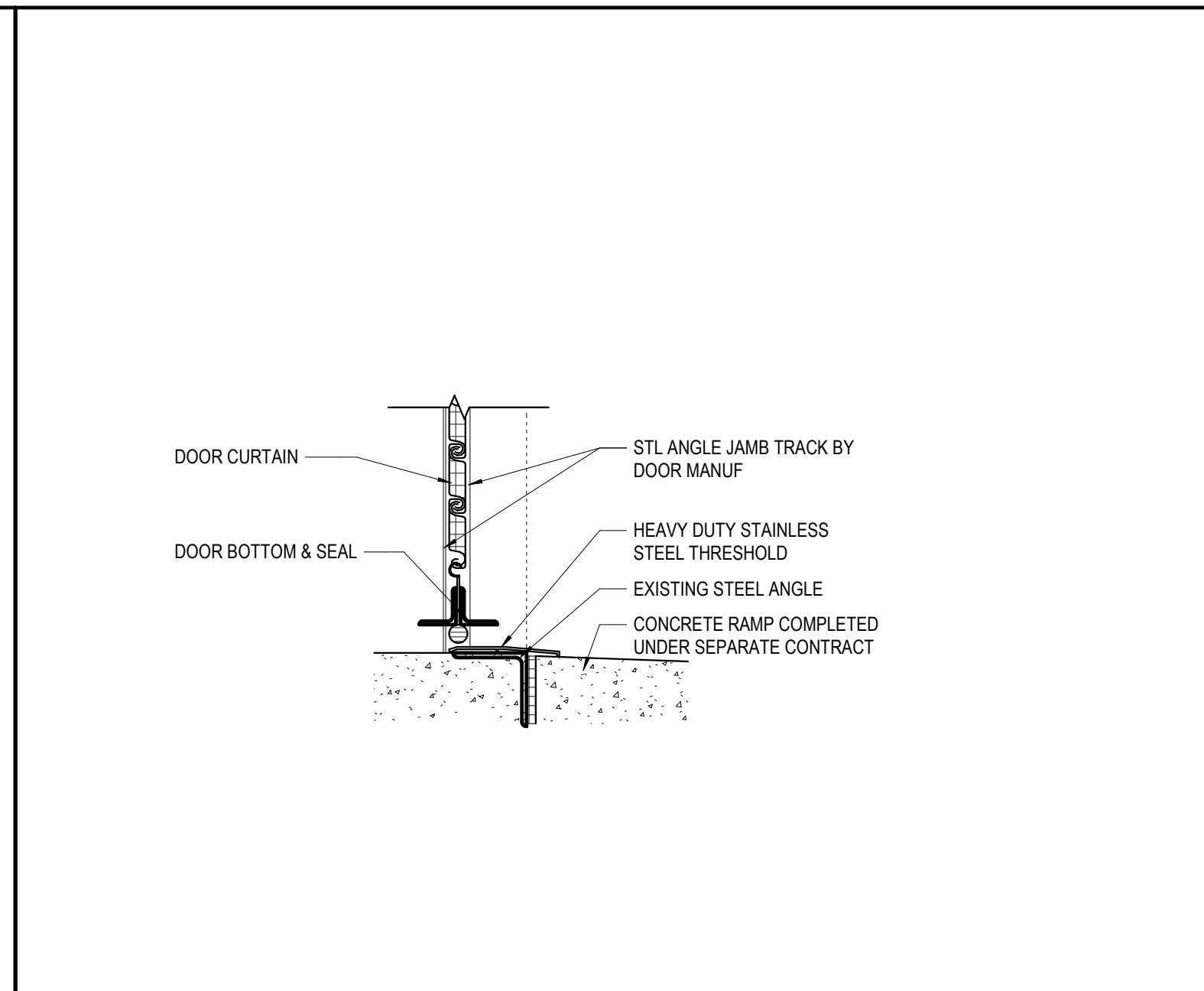
OH1 ALT #1 - HEAD DETAIL
SCALE 1-1/2" = 1'-0"



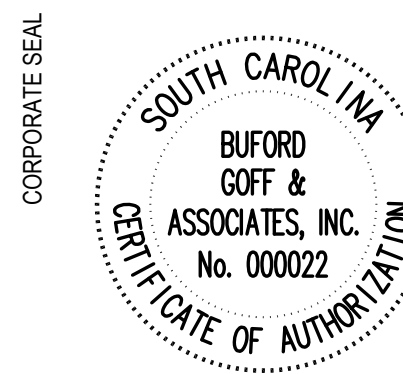
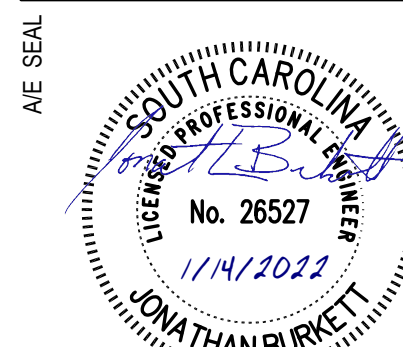
OHJ1 ALT #1 - JAMB DETAIL AT CMU
SCALE 1-1/2" = 1'-0"



OHJ2 ALT #1 - JAMB DETAIL AT MTL PANEL
SCALE 1-1/2" = 1'-0"



OHS1 ALT #1 - SILL DETAIL
SCALE 1-1/2" = 1'-0"



PROJECT TITLE
**HGTC - DIESEL ENGINE TRAINING FACILITY
INTERIOR RENOVATION**

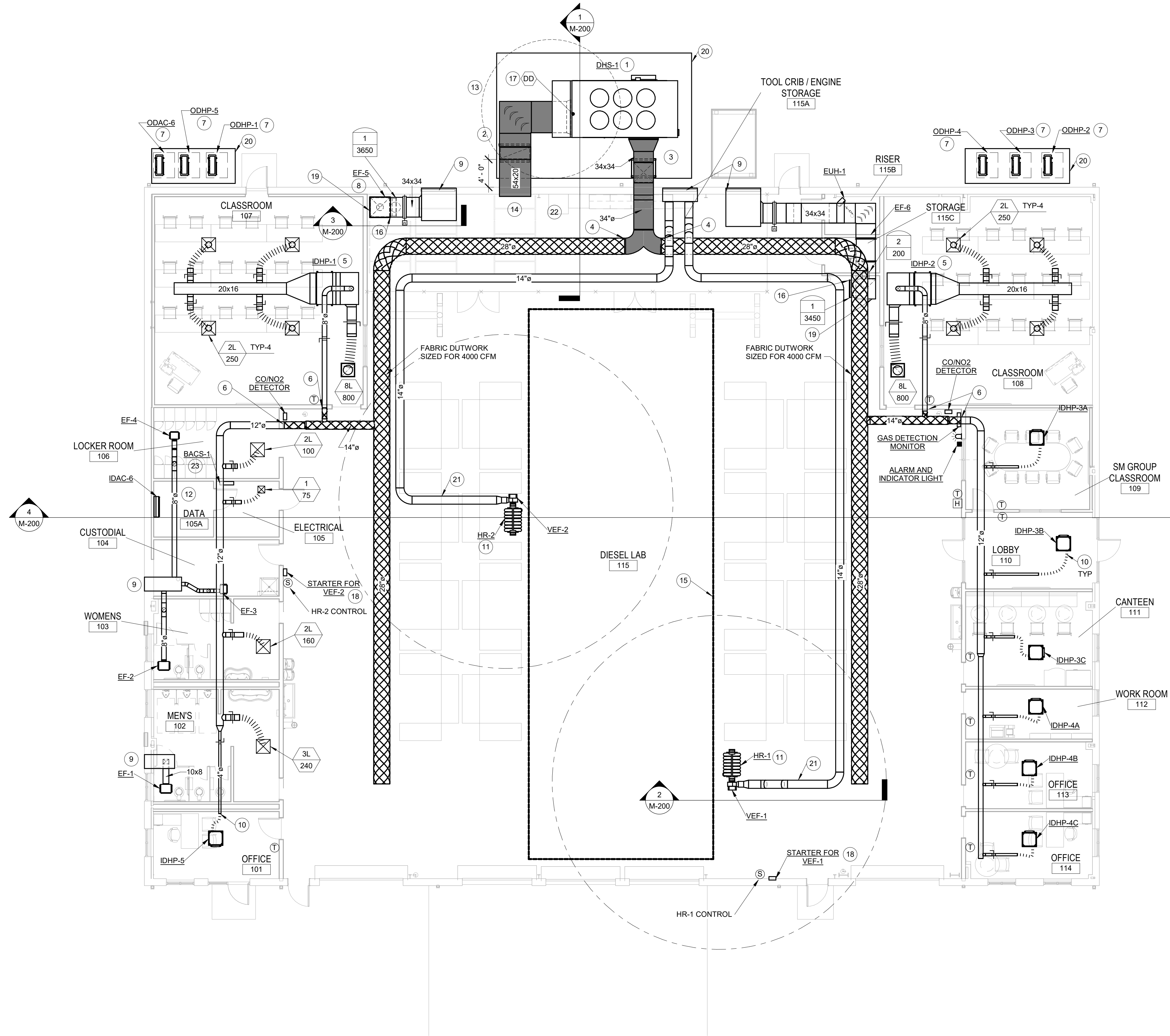
HORRY-GEOGETOWN TECHNICAL COLLEGE
470 ALLEED DR., CONWAY, SC

GENERAL RENOVATION NOTES

- FIELD VERIFY LOCATION OF ALL EXISTING PENETRATIONS THROUGH EXTERIOR WALLS TO BE REUSED.
- VERIFY STRUCTURE AND CONCRETE PADS ARE SUITABLE FOR EQUIPMENT INSTALLATION PRIOR TO SETTING OR INSTALLING EQUIPMENT.
- SECURE ALL EQUIPMENT AND COMPONENTS PER THE SEISMIC ENGINEER'S RECOMMENDATIONS TO MEET THE DESIGN SEISMIC AND WIND LOADS.
- LAB IS DESIGNED FOR DIESEL CARS AND TRUCKS. USE OF MILITARY OR HEAVY DUTY CONSTRUCTION EQUIPMENT IN THE LAB MAY REQUIRE ADDITIONAL VENTILATION MEASURES. VEHICLE EXHAUST SYSTEM IS NOT DESIGNED FOR DYNAMOMETER TESTING.
- CONTRACTOR SHALL VERIFY THE INTEGRITY OF ALL EXISTING STRUCTURAL COMPONENTS BEFORE INSTALLING EQUIPMENT. CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY OF ANY UNSAFE CONDITIONS.
- CONTRACTOR SHALL REUSE EXISTING EXTERIOR WALL PENETRATIONS AS MUCH AS PRACTICAL.

RENOVATION PLAN KEYNOTES

- INSTALL AND SECURE UNIT TO EQUIPMENT PAD. PROVIDE DEEP SEAL P-TRAP AND ROUTE CONDENSATE DRAIN TO DRYWELL.
- ROUTE DUAL WALL STAINLESS STEEL RETURN DUCTWORK UP TO PROVIDE 4'-0" WIDE CLEAR PASSAGE UNDER THE DUCTWORK.
- ROUTE DUAL WALL STAINLESS STEEL SUPPLY DUCTWORK UP AND INTO BUILDING. TRANSITION TO DUAL WALL ROUND DUCT WITH PAINT GRIP FINISH UPON ENTERING BUILDING. PAINT DUCT THE SAME COLOR AS THE FABRIC DUCT.
- TRANSITION DUCT TO FABRIC DUCTWORK. BALANCE TO 4000 CFM.
- LOCATE IDHP UNIT A MAX OF 2FT ABOVE THE CEILING. ROUTE CONDENSATE THROUGH EXISTING PENETRATION THROUGH WALL AND DOWN TO DRYWELL.
- TRANSITION TO SINGLE WALL, EXTERNALLY INSULATED DUCTWORK AT WALL.
- LOCATE ODHPs ON CONCRETE PAD AND ROUTE REFRIGERANT PIPING UP THROUGH EXISTING WALL PENETRATION TO CORRESPONDING INDOOR UNIT.
- INSTALL EXHAUST FAN IN THE VERTICAL APPROXIMATELY 8 FT AFF. ROUTE EXHAUST DUCT DOWN TO 8" AFF. LOCATE BOTTOM OF DIFFUSER AT 10" AFF. SEE DETAIL. EXHAUST FANS SHALL BE INTERLOCKED TO RUN WHENEVER DHS-1 IS RUNNING IN OCCUPIED MODE.
- SEE ARCHITECTURAL DRAWINGS FOR EXACT LOUVER PLACEMENT. PROVIDE INSULATED PLENUM FULL SIZE OF LOUVER.
- ROUTE OUTSIDE AIR TO IDHP KNOCKOUT.
- INSTALL MOTORIZED HOSE REEL FROM STRUCTURE. COORDINATE LOCATION WITH LIGHTING AND OTHER BUILDING COMPONENTS. VERIFY FINAL LOCATIONS WITH OWNER. ROUTE STAINLESS EXHAUST DUCT BACK TO LOUVER.
- ROUTE EXHAUST DUCT TO EXHAUST PLENUM. ROUTE DUCTWORK A MIN OF 8" ABOVE ELECTRICAL OR DATA ROOMS.
- OUTSIDE AIR INTAKE. NO EXHAUST WITHIN 10 FEET OF INTAKE.
- PROVIDE WIRE GRILLE ON END OF DUCT.
- PROVIDE MIN 18" AFF CLEARANCE ABOVE BAY. ALL EQUIPMENT, DUCTWORK AND APPURTANCES SHALL BE CLEAR OF THIS AREA.
- 14 GAUGE WELDED DUCT WITH PAINT GRIP FINISH FOR DIESEL LAB EXHAUST DUCT.
- FACTORY MOUNTED DUCT DETECTOR. DUCT DETECTOR SHALL SHUTDOWN DHS-1 ON DETECTION OF SMOKE.
- COMBINATION STARTER DISCONNECT. LOCATE ON THE WALL APPROXIMATELY 48" AFF. COORDINATE WIRING WITH ELECTRICAL CONTRACTOR.
- PROVIDE UNISTRUT DUCT SUPPORT FRAME MOUNTED TO CONCRETE PAD TO SUPPORT DUCT.
- PROVIDE CONCRETE PAD FOR UNITS. SEE DETAIL.
- STAINLESS STEEL VEHICLE EXHAUST DUCT. ROUTE DUCT BACK TO EXHAUST LOUVER.
- SEE ELECTRICAL DRAWINGS FOR LOCATION OF CONTROL POWER JUNCTION BOX.
- COORDINATE LOCATION OF BACS PANEL WITH OWNER.



1 HVAC RENOVATION PLAN
SCALE: 1/8" = 1'-0"

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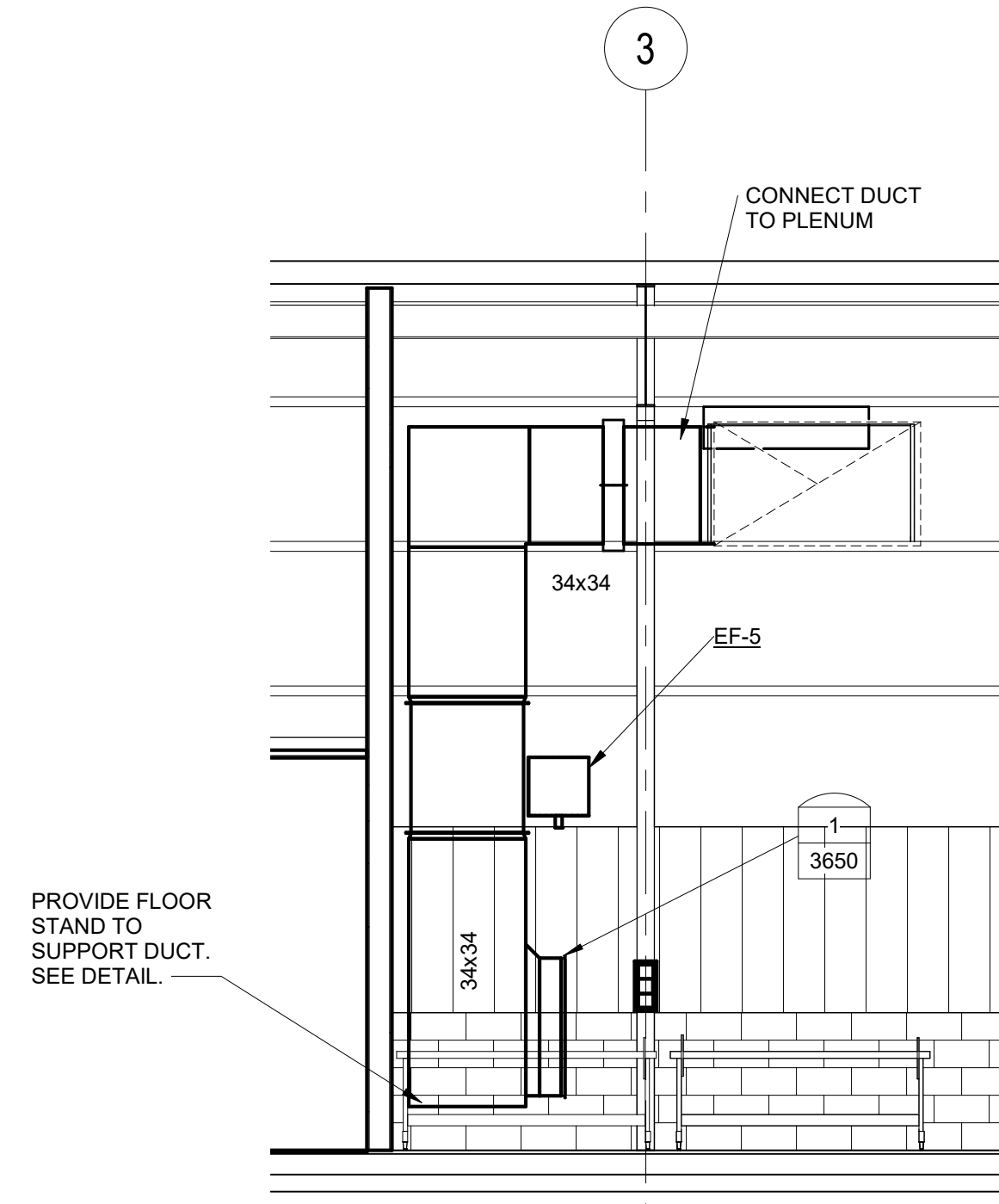
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STATE PROJECT NO. H59-N134-MJ

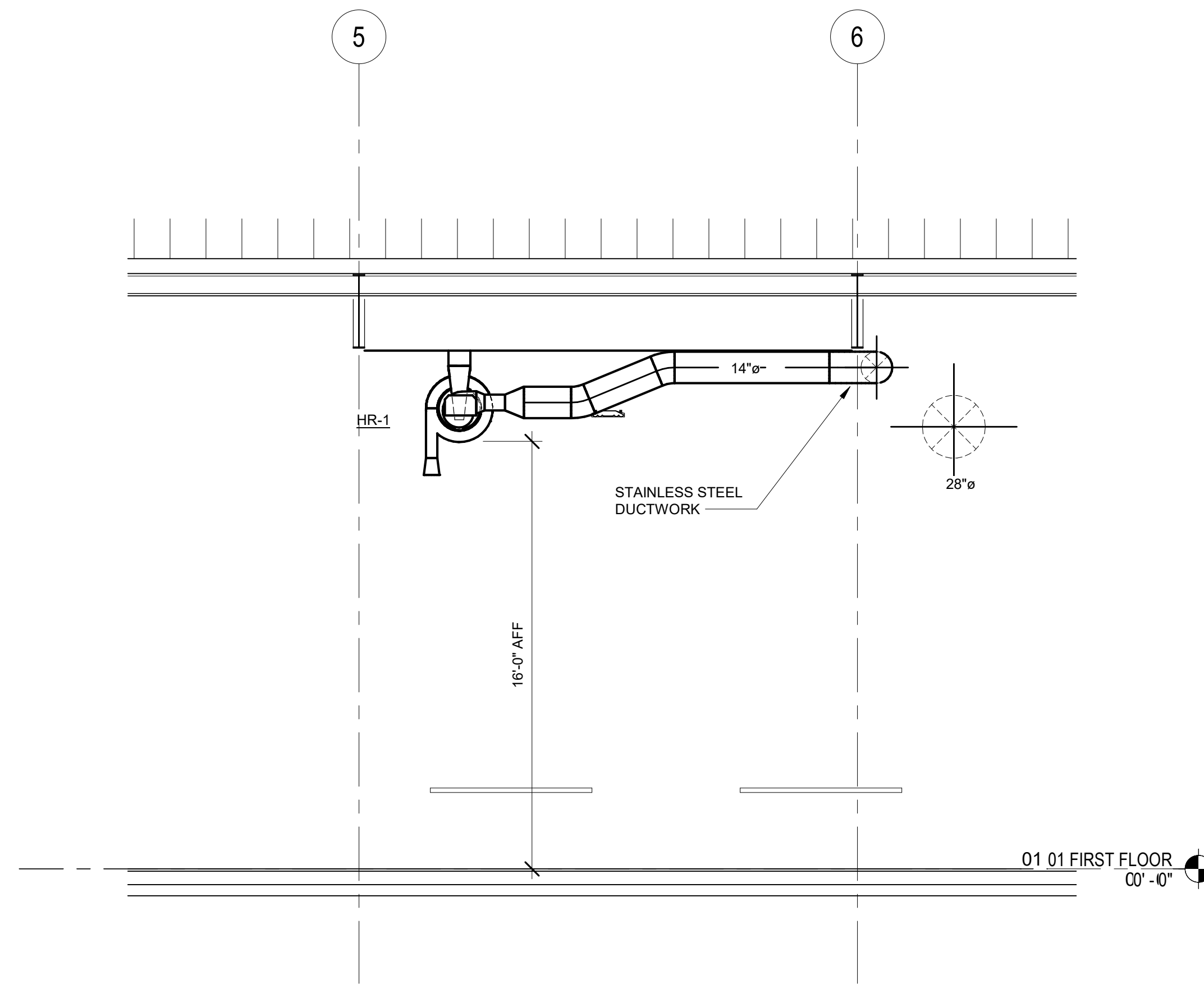
REVISION DATE

TITLE
HVAC RENOVATION PLAN

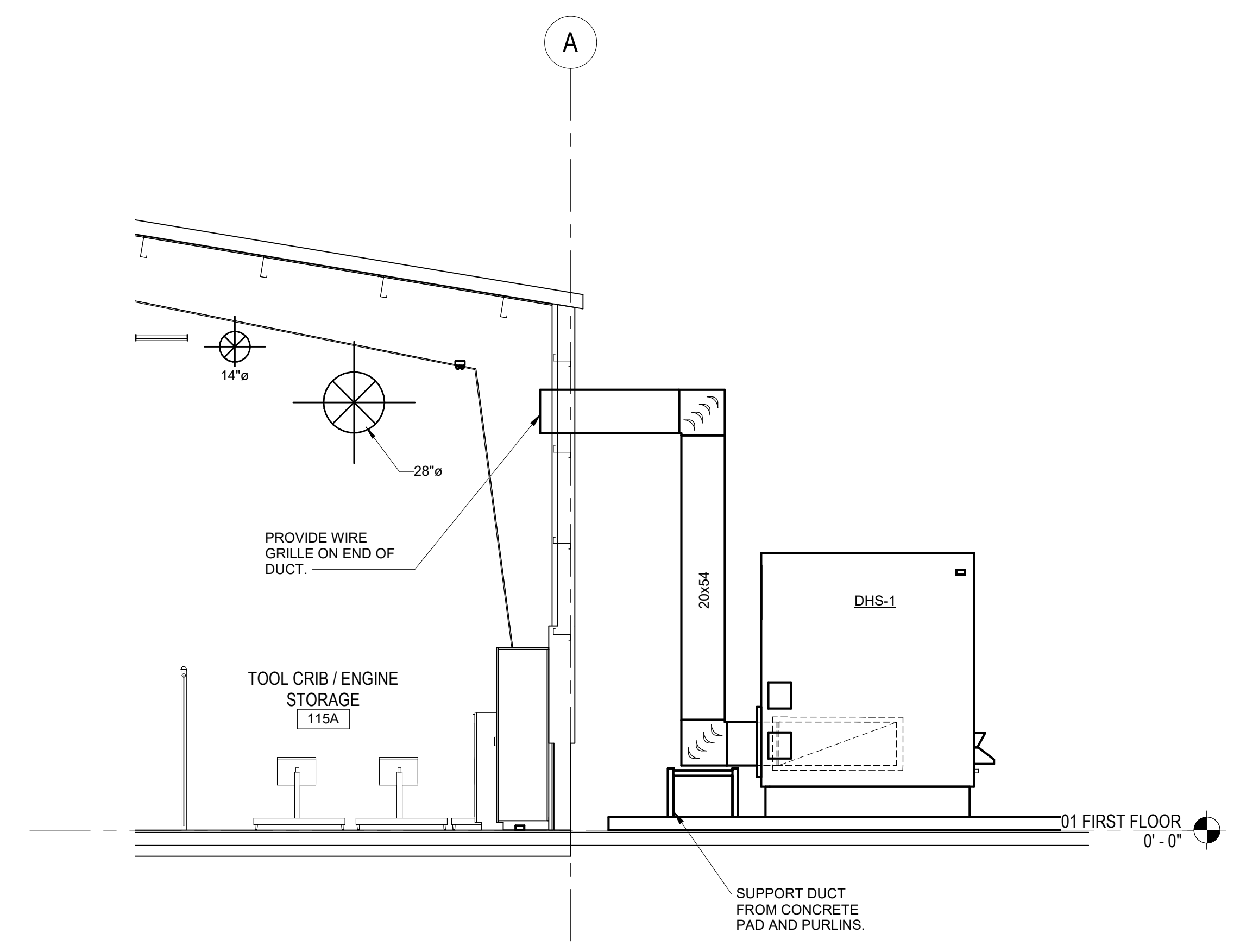
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M-101



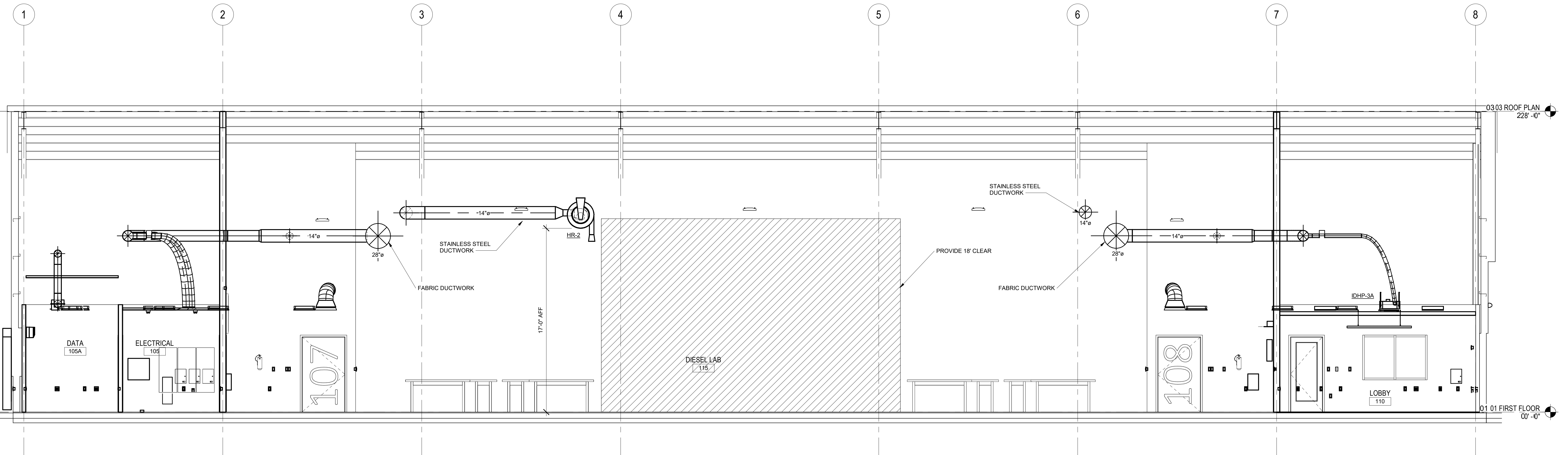
3 HVAC SECTION 3
SCALE: 1/4" = 1'-0"



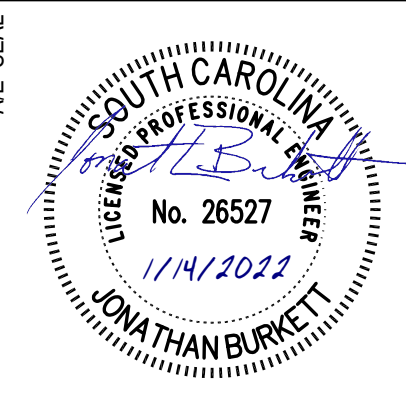
2 HVAC SECTION 2
SCALE: 1/4" = 1'-0"



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



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



PROJECT TITLE
HGTC - DIESEL ENGINE TRAINING FACILITY
INTERIOR RENOVATION
HORRY-GEORGETOWN TECHNICAL COLLEGE
470 ALLED DR., CONWAY, SC

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TITLE
HVAC SECTIONS

SHEET NO.
M-200

HEAVY DUTY AIR DISTRIBUTION SCHEDULE (a)(b)

| SYMBOL | (c) CFM | CONN. SIZE (g) (WxH) | RUNOUT | NC (e) | PD (f) | REMARKS |
|--------|------------|----------------------------|--------------|--------|--------|---------|
| | 3650 | 30x40 | SEE DRAWINGS | <15 | 0.02 | ①② |
| | 200 | 12x12 | SEE DRAWINGS | <15 | 0.02 | ①② |

(a) GRILLES SHALL BE HEAVY, 14 GAUGE, STEEL CONSTRUCTION WITH 3/4" BLADE SPACING 0 DEGREES DEFLECTION.

(b) GRILLES SHALL BE PRICE SERIES 96FH.

(c) CFM IS FOR GENERAL INFORMATION ONLY. SOME GRILLES MAY BE SIZED SMALLER / LARGER.

(d) DUCT RUNOUT SIZE IN INCHES. IF NO OTHER RUNOUT SIZE INDICATED ON PLANS OR SCHEDULE. TRANSITION TO NECK SIZE AS REQUIRED.

(e) NC @ 10db ROOM ATTENUATION (RE: 10⁻¹² WATTS).

(f) TOTAL PRESSURE (IN. WG).

(g) VERIFY DIMENSIONS ORIENTATION (W vs. H) BEFORE ORDERING.

① SINGLE PIECE GRILLE
 ② COLOR TO BE DETERMINED BY ARCHITECT

3/16 S3400E

LOUVERED CEILING AIR DISTRIBUTION SCHEDULE (a)(e)

| SYMBOL (c)(d) | CFM (g) | CONN. SIZE (b) | NC (f)(i) | PD (h)(j) | REMARKS |
|---------------|---------|----------------|-----------|-----------|---------------------------------------|
| | 0-99 | 6" ø | < 15 | 0.023 | |
| | 100-199 | 8" ø | < 15 | 0.037 | |
| | 200-299 | 10" ø | < 15 | 0.044 | |
| | 300-399 | 12" ø | < 15 | 0.04 | |
| | 400-599 | 14" ø | < 15 | 0.05 | |
| | 600-699 | 15" ø | < 15 | 0.06 | |
| | 700-899 | 15" ø | 26 | 0.11 | |
| | - | - | - | - | FILTER RETURN GRILLE (20"x20" FILTER) |

(a) LOUVERED FACE AIR DISTRIBUTION UNITS.

(b) ALSO DUCT RUNOUT SIZE IN INCHES (UNLESS LARGER RUNOUT INDICATED ON PLANS) TRANSITION TO NECK IF NECK DIFFERENT SIZE.

(c) LAY-IN TYPE UNITS SHALL HAVE 24"x 24" FACE PANEL AND SHALL BE INDICATED BY AN "L" SUFFIX. SEE SPECIFICATIONS FOR DIMENSIONS OF NON LAY-IN TYPE UNITS.

(d) UNITS WITH AN "F" SUFFIX SHALL BE TYPE SUITABLE FOR FIRE RATED CEILING / ROOF / FLOOR ASSEMBLIES. A NUMBER WILL ALSO BE SHOWN IF GREATER THAN 1 HOUR RATED.

(e) GRILLES SHALL BE:

- LAY-IN SUPPLY: PRICE (A)SCD, TYPE 31 FRAME
- LAY-IN RETURN: PRICE (A)SCD, TYPE 31 FRAME
- SURFACE MOUNTED SUPPLY / EXHAUST: PRICE (A)SCD, TYPE 31 FRAME
- SURFACE MOUNTED RETURN / EXHAUST: PRICE (A)SCD, TYPE 31 FRAME
- FILTER RETURN GRILLE: PRICE 60FH
- FINISH: WHITE

(f) NC @ 10db ROOM ATTENUATION (Re: 10⁻¹² WATTS), 4 WAY THROW

(g) CFM IS FOR GENERAL INFORMATION ONLY. SOME GRILLES MAY BE SIZED LARGER

(h) TOTAL PRESSURE (IN.WG)

(i) WITH 24"x24" PANEL

9/05 S3400L

MECHANICAL GENERAL NOTES

- DO NOT SCALE DRAWINGS. (SEE ARCHITECTURAL DRAWINGS AND REFLECTED CEILING PLANS FOR EXACT LOCATIONS) FIELD VERIFY EXISTING CONDITIONS OF DOORS, WINDOWS, CEILING DIFFUSERS, ETC.
- EXTEND ALL DRAIN LINES AND RELIEF LINES TO NEAREST FLOOR DRAIN OR AS INDICATED ON PLANS. CONDENSATE DRAINS SHALL BE TRAPPED. GENERALLY ROUTE PIPE DOWN WALL (EXPOSED IN MECH. ROOMS) AND TO DRAIN UNLESS NOTED OTHERWISE. ROUTE TO MINIMIZE TRIPPING HAZARD. PROVIDE CLEANOUTS AT ALL CHANGES OF DIRECTION GREATER THAN 90 DEGREES.
- ALL PIPING AND DUCTWORK INSULATION SHALL BE RUN CONTINUOUSLY THROUGH FLOORS, ROOFS AND PARTITIONS EXCEPT WHERE PROHIBITED BY FIRE CODES.
- LOCATE ALL THERMOSTATS, HUMIDISTATS AND SWITCHES 48"(TO TOP OF DEVICE) ABOVE FINISH FLOOR. UNLESS NOTED OTHERWISE.
- ALL PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH THE SPECIFICATIONS. HANGERS SHALL BE ADJACENT TO ELBOWS AND AT EQUIPMENT TO PREVENT WEIGHT OF PIPING BEING PLACED ON THE EQUIPMENT. SUPPORT DETAILS SHALL BE SUBMITTED TO THE MECHANICAL ENGINEER.
- ALL PIPING AND DUCTWORK LOCATIONS SHALL BE COORDINATED WITH THE WORK UNDER OTHER DIVISIONS OF THE SPECIFICATIONS TO AVOID INTERFERENCE.
- AIR DISTRIBUTION SYSTEMS WITH MORE THAN ONE BRANCH, OR MULTIPLE OUTLETS ON A BRANCH, SHALL HAVE VOLUME DAMPERS TO BALANCE AIR FLOWS. SPIN IN FITTINGS ARE PERMITTED FOR CONNECTING FLEX DUCT TO BRANCH OR TRUNK DUCTS WHERE FLEX DUCTS ARE INDICATED. IF FLEX DUCT CANNOT BE CONNECTED WITH A SPIN IN, A HARD DUCTED TAKEOFF MUST BE PROVIDED.
- 45 DEGREE TAKEOFFS SHALL BE USED ON ALL HARD DUCTED SUPPLY BRANCHES.
- MOUNT SUSPENDED COOLING UNITS HIGH ENOUGH ABOVE CEILING FOR PROPER SLOPE ON DRAIN LINE.
- ALL PIPING, DUCTS, VENTS, ETC. EXTENDING THRU EXTERIOR WALLS AND ROOFS SHALL BE FLASHED AND COUNTERFLASHED.
- PROVIDE ALL TRANSITIONS REQUIRED FOR INSTALLATION OF DUCT, DUCT HEATERS, AIR VOLUME CONTROLLERS, AIR HANDLING UNITS, FANS, AND ALL OTHER EQUIPMENT AND APPURTENANCES.
- PROVIDE INSULATED BLANK-OFF PANEL FOR ALL UNUSED PORTION OF LOUVER (WHICH HAVE MECHANICAL DUCT CONNECTIONS).
- ALL TRANSFER DUCTS SHALL BE LINED WITH ONE INCH ACOUSTICAL LINER.
- ALL DUCT IS GALVANIZED SHEETMETAL EXCEPT AS NOTED.
- DUCT SIZES ARE CLEAR INSIDE DIMENSIONS.
- INTAKES FOR AIR HANDLING EQUIPMENT SHALL BE A MINIMUM OF TEN FEET AWAY FROM ANY EXHAUST OR VENT.
- ALL COOLING UNITS LOCATED IN CONCEALED LOCATIONS SHALL HAVE AUXILIARY DRAIN PANS.
- AIR DISTRIBUTION UNITS SHALL HAVE TRIM REQUIRED FOR FINISHED SERVICE.
- NO OPENINGS IN ROOF FOR DUCT, PIPING, EQUIPMENT OR ACCESSORIES WITHIN 5 FEET OF BUILDING FIRE WALL. (I.E. WALL RATED GREATER THAN 2 HOUR)
- ALL EQUIPMENT SHALL MEET THE PROJECT'S SEISMIC DESIGN AND WIND LOAD REQUIREMENTS.
- WHERE DUCTS ARE INDICATED TO BE OFFSET, OFFSET THE LOWER VELOCITY DUCT WHILE KEEPING THE HIGHER VELOCITY DUCT AS STRAIGHT AS PRACTICAL.

7/17 S3951

MECHANICAL SYMBOL LEGEND

| | | | |
|--|--|--|--|
| | SUPPLY OR OUTSIDE AIR GRILLE | | CP-1 CONTROL PANEL NO.1 |
| | RETURN AIR GRILLE | | BACS-1 BUILDING AUTOMATION CONTROL SYSTEM PANEL NO.1 |
| | EXHAUST AIR GRILLE | | OCP-1 DAMPER CONTROL PANEL NO.1 |
| | DUCT TURNED TO | | ESS EMERGENCY SHUT DOWN SWITCH |
| | DUCT TURNED AWAY | | MPS MANUAL PULL STATION (RANGE HOOD) |
| | DUCT CAPPED | | PS PURGE SWITCH |
| | ACOUSTICAL DUCT LINER | | S SWITCH |
| | DUAL WALL DUCT (SHADED OR WHERE NOTED) | | SWITCH |
| | EQUIPMENT LOCATED ON ROOF | | T THERMOSTAT / SPACE SENSOR |
| | INSIDE DUCT DIMENSION | | THERMOSTAT / SPACE SENSOR |
| | OPPOSED BLADE VOLUME DAMPER | | THERMOSTAT / SPACE SENSOR |
| | FIRE DAMPER | | NTS NIGHT SETBACK THERMOSTAT / SENSOR |
| | SMOKE DAMPER | | TC-1 TIME CLOCK NO.1 |
| | COMBINATION FIRE / SMOKE DAMPER | | OS OVERRIDE SWITCH |
| | 120V POWER IN J-BOX | | H HUMIDISTAT / HUMIDITY SENSOR |
| | RELIEF DAMPER | | HUMIDISTAT / HUMIDITY SENSOR |
| | MOTORIZED DAMPER | | UD UNDERCUT DOOR |
| | CONCEALED REGULATOR | | FLEXIBLE DUCT |
| | BIPOLAR IONIZATION | | FILTER SECTION |
| | CARBON MONOXIDE MONITORING PANEL | | DUCT SMOKE DETECTOR |
| | INDICATOR LAMP | | CONNECT NEW TO EXISTING |
| | LIGHT FIXTURE | | CONTROL WIRING |
| | POUNDS (OR NUMBER) | | AD ACCESS DOOR |
| | 10" ø 10" ROUND DUCT (INSIDE DIM) | | CLEANOUT |
| | DIFFERENTIAL PRESSURE | | AIR DISTRIBUTION (OTHER SYMBOLS SIM) |
| | FLAT PLATE SENSOR | | EXPANSION JOINT |
| | VOC SENSOR | | CO2 CO2 SENSOR |
| | | | PIPE END RISES UP |
| | | | PIPE END DROPS DN |
| | | | PIPE TEE RISES UP |
| | | | PIPE TEE DROPS DN |

7/17 S3950

PERFORATED CEILING AIR DISTRIBUTION SCHEDULE (a)(b)

| SYMBOL (g) | CFM (c) | NOM. SIZE (d) | RUNOUT | NC (e) | PD (f) | REMARKS |
|------------|---------|---------------|----------|--------|--------|----------------------|
| | 900 | 22x22 | SEE DWGS | <15 | < 0.02 | FILTER RETURN GRILLE |

(a) PERFORATED FACE AIR DISTRIBUTION UNITS.

(b) GRILLES SHALL BE:

- LAY-IN RETURN/EXHAUST: PRICE 10(A)
- SURFACE MOUNTED RETURN/EXHAUST: PRICE 10(A)
- FILTER RETURN GRILLE: PRICE 10(A)FF
- FINISH: WHITE

(c) CFM IS FOR GENERAL INFORMATION ONLY. SOME GRILLES MAY BE SIZED LARGER

(d) ALSO DUCT RUNOUT SIZE IN INCHES (UNLESS LARGER RUNOUT INDICATED ON PLANS) TRANSITION TO NECK IF NECK DIFFERENT SIZE

(e) NC @ 10db ROOM ATTENUATION (Re: 10⁻¹² WATTS), 4 WAY THROW

(f) TOTAL PRESSURE (IN.WG)

(g) LAY-IN TYPE UNITS SHALL HAVE 24"x 24" FACE PANEL AND SHALL BE INDICATED BY AN "L" SUFFIX. SEE SPECIFICATIONS FOR DIMENSIONS OF NON LAY-IN TYPE UNITS

9/05 S3400L

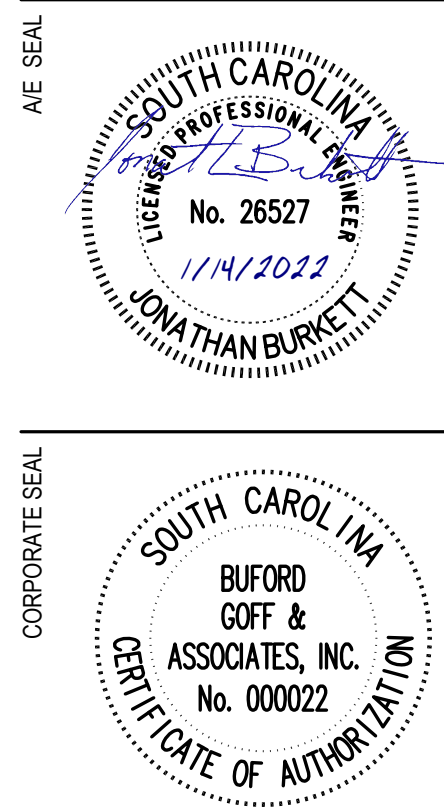
SEISMIC AND WIND DESIGN CRITERIA

| |
|----------------------------------|
| SEISMIC DESIGN |
| SEISMIC DESIGN CATEGORY (SDC): C |
| RISK CATEGORY: II |
| WIND DESIGN |
| BASIC WIND SPEED: 144 MPH |
| EXPOSURE CATEGORY: C |

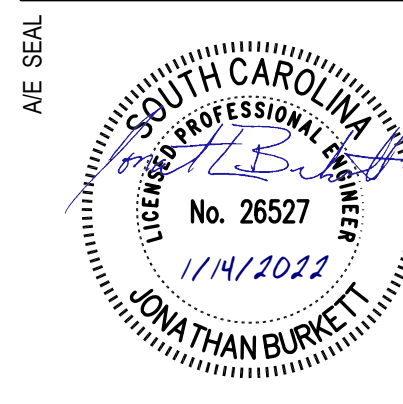
DUCT PRESSURE CLASSIFICATION

| DUCT | SYSTEM | PRESSURE | STATIC PRESSURE CLASS ("WG) |
|------------------|---------------------|----------|-----------------------------|
| RETURN DUCT | ALL SYSTEM RETURNS | NEG | -2" |
| EXHAUST DUCT | ALL SYSTEM EXHAUSTS | NEG | -2" |
| SUPPLY DUCT | ALL SYSTEM SUPPLIES | POS | +2" |
| OUTSIDE AIR DUCT | ALL OUTSIDE AIR | POS | +4" |
| EXHAUST DUCT | VEHICLE EXHAUST | NEG | -4" |

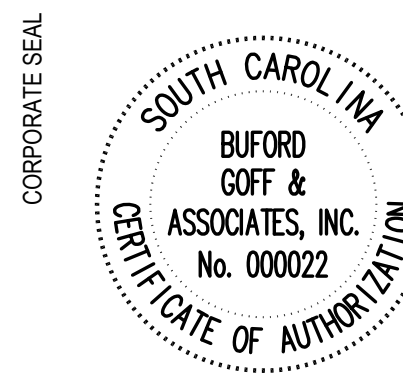
6/02 S3958



AVE. SEAL



CORPORATE SEAL



PROJECT TITLE

HGTC - DIESEL ENGINE TRAINING FACILITY
INTERIOR RENOVATION
HARRY-GEORGETOWN TECHNICAL COLLEGE
470 ALLED DR., CONWAY, SC

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ISSUE DATE: 1.14.2022
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REVISION: DATE

TITLE
HVAC SCHEDULES

SHEET NO.

DEDICATED OUTSIDE AIR UNIT SCHEDULE

| AIR CONDITIONER # | LOCATION | ESP (a) * | CFM | | FANS | | | | COMPRESSOR | | | GAS HEAT | | | | COOLING COIL CAPACITY | | | | ELECTRICAL | | | MANUFACTURER AND MODEL | REMARKS | | | | |
|-------------------|----------|-----------|-------|------|---------|-----|--------|----|------------|-----------|-----------|------------|-------|-----------|-------|-----------------------|--------------|----|-------------|------------|---------|-----|------------------------|---------|----------------|-------|---------------|----------------------------|
| | | | TOTAL | MIN | OUTDOOR | | INDOOR | | NO | RLA EACH | CFH INPUT | MBH OUTPUT | IN WG | MBH (NET) | | OUTDOOR DB T | ENTERING AIR | | LEAVING AIR | | EER (b) | MRE | | | MAX WEIGHT (#) | MCA | MOCP | VOLT / PH |
| | | | | | NO | FLA | BHP | HP | | | | | | TOTAL | SENS | DB | WB | DB | WB | | | | | | | | | |
| DHS-1 | ON GRADE | 1.5 | 9600 | 9600 | 6 | 1.5 | 8.45 | 10 | 2/2 | 55.8/55.8 | 1000 | 810 | 7-14 | 838.8 | 442.7 | 95 | 95 | 78 | 53.7 | 53.0 | 12.1 | 5.3 | 9000 | 298 | 350 | 208/3 | TRANE OANG070 | 1 2 3 4 5 6 7 8 9 10 11 12 |

* ESP INCLUDES DUCT, GRILLES, AND LOADED FILTERS: (a) INCHES WG; (b) ARI CONDITIONS

1 UNIT BASERAIL 2 HORIZONTAL DISCHARGE 3 20:1 TURNDOWN GAS HEAT 4 FAN VFDS OR ECM TYPE FAN MOTORS 5 DIGITAL SCROLL COMPRESSORS, TWO CIRCUITS MIN 6 FACTORY DISCONNECT SWITCH 7 MODULATING, LOW LEAK OA DAMPER 8 MODULATING HOT GAS REHEAT, 72°F LAT MIN 9 MERV 13 FILTER 10 AIRFLOW MEASURING STATION BY BAS CONTRACTOR 11 CORROSIVE ENVIRONMENT PACKAGE (S/S INTERIOR, SEACOAST COATING ON ALL COILS) 12 RETURN SMOKE DETECTOR

VARIABLE REFRIGERANT FLOW SPLIT SYSTEM HEAT PUMP HEAT RECOVERY SYSTEM SCHEDULE

| INDOOR UNIT (AIR HANDLER) | | | | | | | | | | OUTDOOR UNIT (CONDENSER) | | | | | | | | | | SYSTEM | | | | | | | | | | | | | | | | | | |
|---------------------------|-------|-----|-----------|---------------|-----------|----------------|----|------------|------|--------------------------|------------------------|------------|--------------|--------------|---------|----|------------|-----|------------|--------|-----------|----------------|------------|---------|--------------|------------------------|---------|-----------------------|------|--------------|-----------------|----|----------------|-----------------------|--------|--------------|----------------------------|------|
| INDOOR HP # | CFM | | ESP (a) * | ELECTRIC HEAT | | MAX WEIGHT (#) | HP | ELECTRICAL | | | MANUFACTURER AND MODEL | REMARKS | OUTDOOR HP # | OUTDOOR DB T | FANS | | COMPRESSOR | | ELECTRICAL | | | MAX WEIGHT (#) | EFFICIENCY | | | MANUFACTURER AND MODEL | REMARKS | COOLING COIL CAPACITY | | | | | | HEATING COIL CAPACITY | | | REFRIGERANT QUANTITY (LBS) | |
| | TOTAL | OA | | KW | VOLT / PH | | | MCA | MOCP | VOLT / PH | | | | | FLA | NO | NO | RLA | MCA | MOCP | VOLT / PH | | SEER (b) | EER (b) | COP (47 DEG) | | | TOTAL | SENS | OUTDOOR DB T | ENTERING AIR DB | WB | LEAVING AIR DB | WB | EAT DB | OUTDOOR DB T | | MBH |
| IDHP-1 | 1000 | 205 | 0.5 | - | - | 100 | - | 3.3 | - | 208/1 | MITSUBISHI TPEADA036 | 3 5 6 10 | ODHP-1 | 95 | 0.5/0.5 | 2 | 1 | 8 | 25 | 31 | 208/3 | 300 | 19.1 | 12.0 | 4.62 | MITSUBISHI TRUZA036 | 1 2 9 | 36 | 27 | 95 | 80 | 67 | - | - | 70 | 47 | 40 | 10.4 |
| IDHP-2 | 1000 | 205 | 0.5 | - | - | 100 | - | 3.3 | - | 208/1 | MITSUBISHI TPEADA036 | 3 5 6 10 | ODHP-2 | 95 | 0.5/0.5 | 2 | 1 | 8 | 25 | 31 | 208/3 | 300 | 19.1 | 12.0 | 4.62 | MITSUBISHI TRUZA036 | 1 2 9 | 36 | 27 | 95 | 80 | 67 | - | - | 70 | 47 | 40 | 10.4 |
| IDHP-3A | 315 | 100 | - | - | - | 40 | - | 0.4 | 15 | 208/1 | MITSUBISHI NTXCKS15 | 3 4 5 7 10 | ODHP-3 | 95 | 2.43 | 1 | 1 | - | 32.5 | 40 | 208/3 | 300 | 19.7 | 9.2 | 3.69 | MITSUBISHI NTXMMX42 | 1 2 8 | 14 | - | 95 | 80 | 67 | - | - | 70 | 47 | 18 | |
| IDHP-3B | 265 | 100 | - | - | - | 40 | - | 0.3 | 15 | 208/1 | MITSUBISHI NTXCKS12 | 3 4 5 7 10 | | | | | | | | | | | | | | | | 12 | - | 95 | 80 | 67 | - | - | 70 | 47 | 13 | |
| IDHP-3C | 265 | 100 | - | - | - | 40 | - | 0.3 | 15 | 208/1 | MITSUBISHI NTXCKS12 | 3 4 5 7 10 | | | | | | | | | | | | | | | | 12 | - | 95 | 80 | 67 | - | - | 70 | 47 | 13 | |
| IDHP-4A | 315 | 75 | - | - | - | 40 | - | 0.4 | 15 | 208/1 | MITSUBISHI NTXCKS15 | 3 4 5 7 10 | ODHP-4 | 95 | 2.43 | 1 | 1 | - | 22.1 | 25 | 208/3 | 300 | 19.2 | 9.4 | 3.50 | MITSUBISHI NTXMMX36 | 1 2 8 | 14 | - | 95 | 80 | 67 | - | - | 70 | 47 | 18 | |
| IDHP-4B | 265 | 75 | - | - | - | 40 | - | 0.25 | 15 | 208/1 | MITSUBISHI NTXCKS09 | 3 4 5 7 10 | | | | | | | | | | | | | | | | 9 | - | 95 | 80 | 67 | - | - | 70 | 47 | 11 | |
| IDHP-4C | 265 | 75 | - | - | - | 40 | - | 0.3 | 15 | 208/1 | MITSUBISHI NTXCKS12 | 3 4 5 7 10 | | | | | | | | | | | | | | | | 12 | - | 95 | 80 | 67 | - | - | 70 | 47 | 13 | |
| IDHP-5 | 265 | 75 | - | - | - | 40 | - | 0.3 | - | 208/1 | MITSUBISHI NTXCKS12 | 3 5 7 10 | ODHP-5 | 95 | 0.5 | 1 | 1 | 6.6 | 9.0 | 16 | 208/3 | 200 | 22.0 | 13.3 | 2.90 | MITSUBISHI NTXSKS12 | 1 2 9 | 12 | 8.9 | 95 | 80 | 67 | - | - | 70 | 47 | 13 | 2.6 |

* ESP INCLUDES DUCT, GRILLES, AND LOADED FILTERS: (a) INCHES WG; (b) ARI CONDITIONS

1 R410A REFRIGERANT 2 LOW AMBIENT CONTROL TO 25°F 3 EXTERNALLY MOUNTED CONDENSATE PUMP 4 INDOOR UNIT SINGLE POINT POWER CONNECTION 5 DIRECT DRIVE ECM TYPE FAN MOTORS 6 DUCTED CONCEALED 7 CEILING CASSETTE 8 BRANCH ISOLATION BALL VALVES 9 INDOOR UNIT POWERED FROM OUTDOOR UNIT 10 BIPOLAR IONIZATION

DUCTLESS SPLIT SYSTEM AIR CONDITIONING UNIT SCHEDULE

| INDOOR UNIT (AIR HANDLER) | | | | | | | OUTDOOR UNIT (CONDENSER) | | | | | | | SYSTEM | | | | | | | REMARKS | | | | | | | | |
|---------------------------|-------|----|-----------|----------------|----|------------|--------------------------|-----------|------------------------|----------------|--------------|------|----|------------|-----|------------|------|-----------|----------------|------------------------|---------|-----------------------|------|--------------|-----------------|----|----------------|----|-----------|
| INDOOR UNIT # | CFM | | ESP (a) * | MAX WEIGHT (#) | W | ELECTRICAL | | | MANUFACTURER AND MODEL | OUTDOOR UNIT # | OUTDOOR DB T | FANS | | COMPRESSOR | | ELECTRICAL | | | MAX WEIGHT (#) | MANUFACTURER AND MODEL | | COOLING COIL CAPACITY | | | | | | | |
| | TOTAL | OA | | | | MCA | MOCP | VOLT / PH | | | | FLA | NO | NO | RLA | MCA | MOCP | VOLT / PH | | | | TOTAL | SENS | OUTDOOR DB T | ENTERING AIR DB | WB | LEAVING AIR DB | WB | SEER (b) |
| IDAC-6 | 370 | - | - | 50 | 30 | 1.0 | - | 208/1 | MITSUBISHI PKA-A12 | ODAC-6 | 95 | 0.5 | 1 | 1 | 7 | 11 | 30 | 208/1 | 150 | PUY-A12 | 12 | 9.7 | 95 | 80 | 67 | - | - | 20 | 1 2 3 4 6 |

* ESP INCLUDES DUCT, GRILLES, AND LOADED FILTERS: (a) INCHES WG; (b) ARI CONDITIONS

1 THERMOSTAT INTERFACE TO ALLOW BACS CONTROL 2 LOW AMBIENT CONTROL TO 0°F (WIND BAFFLE) 3 FACTORY MOUNTED CONDENSATE PUMP 4 POWER INDOOR UNIT FROM OUTDOOR UNIT 5 CEILING MOUNTED RECESSED INDOOR UNIT 6 WALL MOUNTED INDOOR UNIT 7 INDOOR UNIT FACTORY DISCONNECT 8 OUTDOOR UNIT FACTORY DISCONNECT

ELECTRIC UNIT HEATER SCHEDULE

| HEATER # | LOCATION | CFM | KW | MTG HEIGHT (a) | MAX WEIGHT (#) | FAN HP | ELECTRICAL VOLT / PH | MANUFACTURER AND MODEL | REMARKS |
|----------|------------|-----|-----|----------------|----------------|--------|----------------------|------------------------|-----------|
| EUH-1 | RISER 114B | 400 | 3.3 | 8 | 40 | - | 208/1 | MARKEL 5100 | 1 4 5 6 7 |

(a) FEET AFF TO BOTTOM OF UNIT

1 HORIZONTAL 2 VERTICAL 3 BUILT IN THERMOSTAT 4 FACTORY DISCONNECT SWITCH 5 AIRFLOW DEFLECTOR 6 WALL BRACKET 7 WALL MOUNTED THERMOSTAT

OVERHEAD VEHICLE EXHAUST SCHEDULE

| FAN # | LOCATION | SERVICE | CFM | ESP | MAX HP | RPM | MAX SONES | MAX WEIGHT (#) | ELECT VOLT/PH | CONTROL | HOSE REEL (HR-#) | MANUFACTURER AND MODEL | REMARKS | |
|---------|------------|---------|-----|-----|--------|-----|-----------|----------------|---------------|-------------|------------------|------------------------|--------------|-----------|
| | | | | | | | | | | | | DIAMETER | LENGTH | |
| VEF-1,2 | DIESEL LAB | DIESEL | 600 | 3" | 1 | - | - | 300 | 208/3 | WALL SWITCH | 6 | 44 | NEDERMAN N24 | 1 2 3 4 5 |

* SOUND LEVEL DOES NOT INCLUDE ANY UNIT ACOUSTICAL OPTIONS

1 INLET AND OUTLET ADAPTER 2 SUPPORT BRACKET 3 BACKDRAFT DAMPER 4 MOTORIZED HOSE REEL 5 FAN COMBINATION STARTER DISCONNECT ON WALL

FAN SCHEDULE

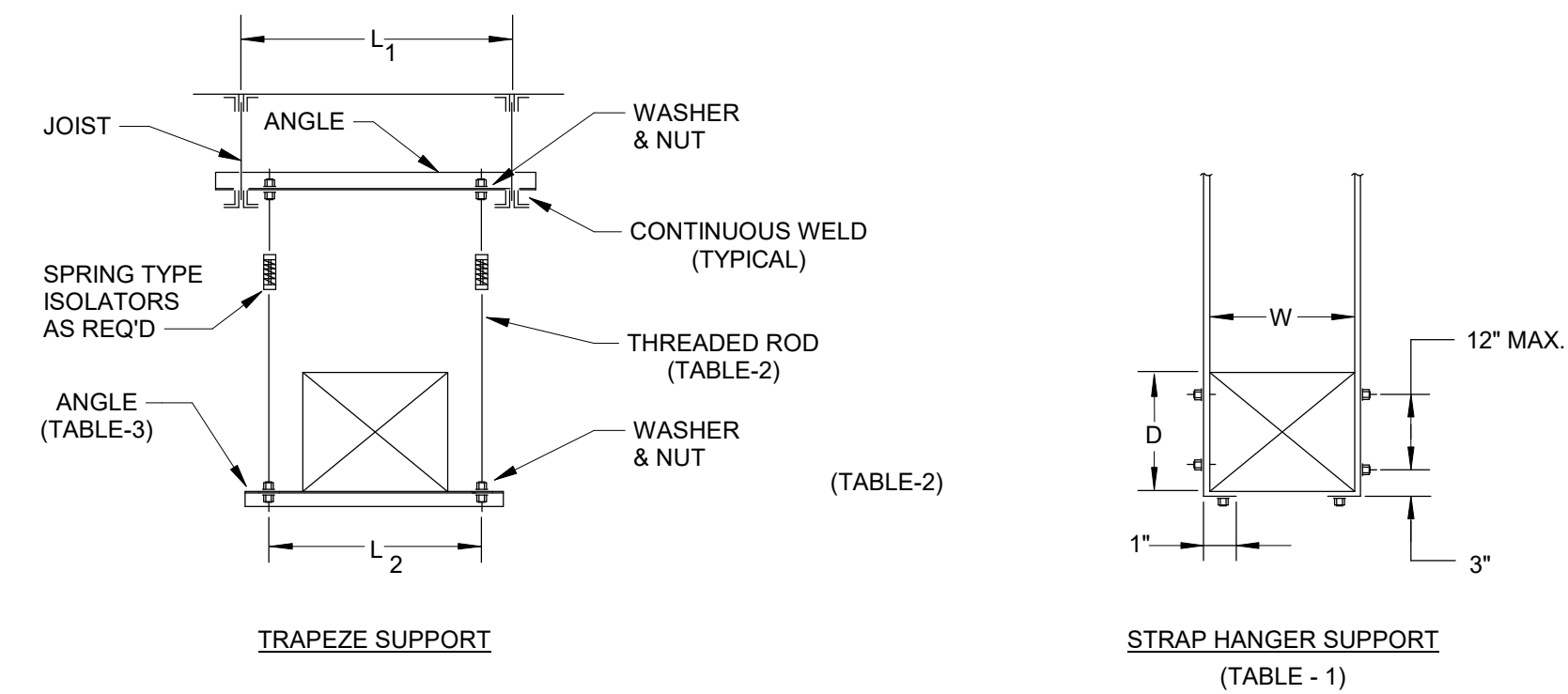
| FAN # | LOCATION | SERVICE | CFM | ESP | MAX INPUT W | RPM | MAX SONES | MAX WEIGHT (#) | ELECTRICAL VOLT / PH | CONTROL | MANUFACTURER AND MODEL | REMARKS |
|-------|----------|-------------|------|-----|-------------|------|-----------|----------------|----------------------|---------|------------------------|-------------------------|
| EF-1 | CEILING | TOIL EXH | 600 | 0.5 | 136 | 1480 | 5.0 | 50 | 120/1 | BMS | COOK GNVF-700 | 1 2 3 4 5 6 |
| EF-2 | CEILING | TOIL EXH | 300 | 0.5 | 67 | 1538 | 4.5 | 50 | 120/1 | BMS | COOK GNVF-500 | 1 2 3 4 5 6 |
| EF-3 | CEILING | GENERAL EXH | 100 | 0.5 | 43 | 1039 | 2.5 | 50 | 120/1 | BMS | COOK GC-148 | 1 2 3 4 5 7 |
| EF-4 | CEILING | GENERAL EXH | 200 | 0.5 | 53 | - | 3.5 | 50 | 120/1 | BMS | COOK GC-168 | 1 2 3 4 5 7 |
| EF-5 | INLINE | GENERAL EXH | 3650 | 1.0 | 1.5 [HP] | 845 | 11.6 | 400 | 208/3 | BMS | COOK 22SSQIB | 3 6 9 10 11 12 13 14 15 |
| EF-6 | INLINE | GENERAL EXH | 3650 | 1.0 | 1.5 [HP] | 845 | 11.6 | 400 | 208/3 | BMS | COOK 22SSQIB | 3 6 9 10 11 12 13 14 15 |

* SOUND LEVEL DOES NOT INCLUDE ANY UNIT ACOUSTICAL OPTIONS

1 CEILING FAN 2 DIRECT DRIVE 3 BACKDRAFT DAMPER 4 FACTORY DISCONNECT SWITCH 5 ISOLATION KIT 6 ECM TYPE MOTOR WITH MOUNTED SPEED DIAL 7 FAN SPEED CONTROLLER 8 INLINE FAN 9 EXPLOSION PROOF DISCONNECT 10 MOTORIZED DAMPER 11 OSHA BELT GUARD 12 AMCA SPARK 'A' CONSTRUCTION 13 BELT DRIVE 14 ALUMINUM WHEEL 15 INVERTER DUTY MOTOR WITH VFD MOUNTED ON WALL

S3108B

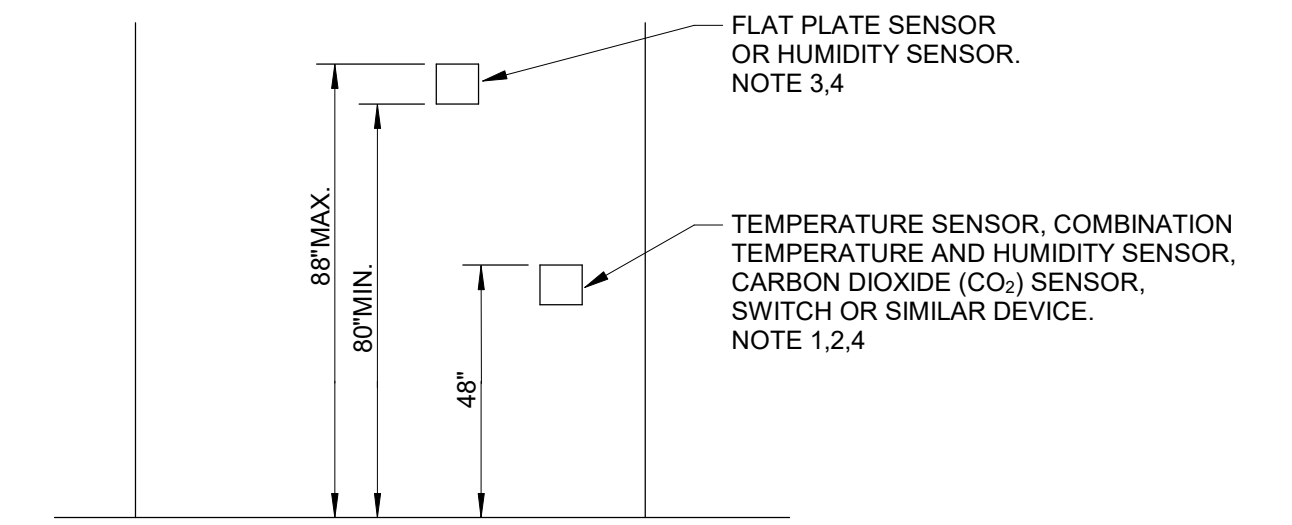
S3201



| W + D MAX. | 10'-0" MAX. | 8'-0" MAX. | 5'-0" OR LESS |
|------------|-------------|------------|---------------|
| 72" | 1" x 22Ga. | 1" x 22Ga. | 1" x 22Ga. |
| 96" | 1" x 20Ga. | 1" x 22Ga. | 1" x 22Ga. |
| 120" | 1" x 18Ga. | 1" x 22Ga. | 1" x 22Ga. |
| 168" | 1" x 18Ga. | 1" x 18Ga. | 1" x 18Ga. |
| 192" | 1" x 16Ga. | 1" x 16Ga. | 1" x 16Ga. |

| STRAPS | LBS. | RODS | LBS. |
|--------------|------|---------------|------|
| 2 - 1"x22Ga. | 520 | 2 - 1/4" DIA. | 540 |
| 2 - 1"x20Ga. | 640 | 2 - 3/8" DIA. | 1360 |
| 2 - 1"x18Ga. | 840 | 2 - 1/2" DIA. | 2500 |
| 2 - 1"x16Ga. | 1400 | 2 - 5/8" DIA. | 4000 |
| | | 2 - 3/4" DIA. | 6000 |

| L1 OR L2 | 2"x2"x1/4" | 2-1/2"x2-1/2"x1/4" |
|----------|------------|--------------------|
| 36" | 1200 LBS. | 1940 LBS. |
| 48" | 1160 LBS. | 1900 LBS. |
| 60" | 1060 LBS. | 1800 LBS. |
| 72" | 900 LBS. | 1640 LBS. |
| 84" | 660 LBS. | 1400 LBS. |
| 96" | 320 LBS. | 1060 LBS. |

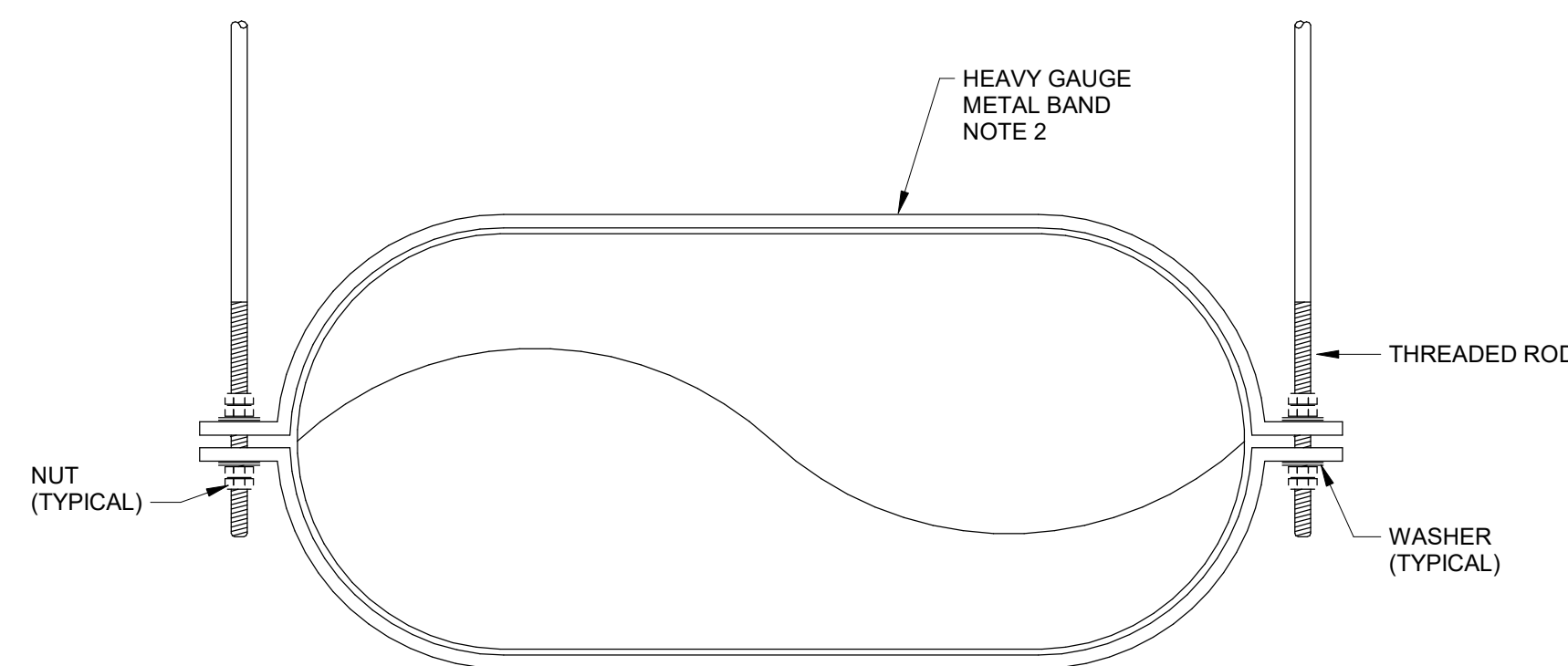


- NOTES:**
- DEVICES THAT REQUIRE ACCESS BY BUILDING OCCUPANTS OTHER THAN MAINTENANCE PERSONNEL.
 - 44" TO TOP OF DEVICE WHEN OBSTACLE (SHELVING, COUNTER, ETC.) IN FRONT OF DEVICE.
 - DEVICES THAT DO NOT REQUIRE ACCESS BY BUILDING OCCUPANTS OTHER THAN MAINTENANCE PERSONNEL.
 - HEIGHT SHALL BE AS INDICATED UNLESS A DEVICE IS SPECIFICALLY REQUIRED TO BE LOCATED AT ANOTHER HEIGHT TO PERFORM ITS INTENDED FUNCTION.

DEVICE MOUNTING HEIGHT DETAIL
3714 NOT TO SCALE 02/18

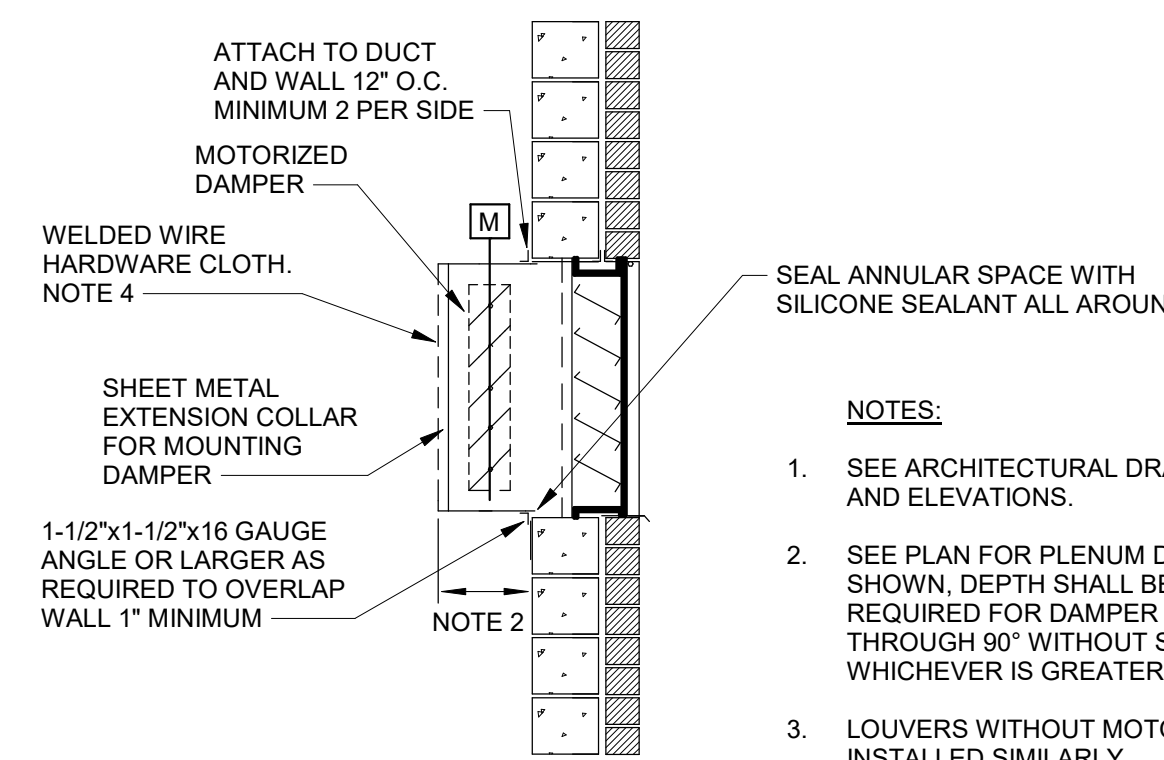
- NOTES:**
- CONTRACTOR TO PROVIDE ANY ADDITIONAL STEEL AS REQUIRED FOR HANGING DUCTWORK AND EQUIPMENT FROM STRUCTURE.

DUCT SUPPORT DETAILS (NON-SEISMIC)
3053 NOT TO SCALE 05/08



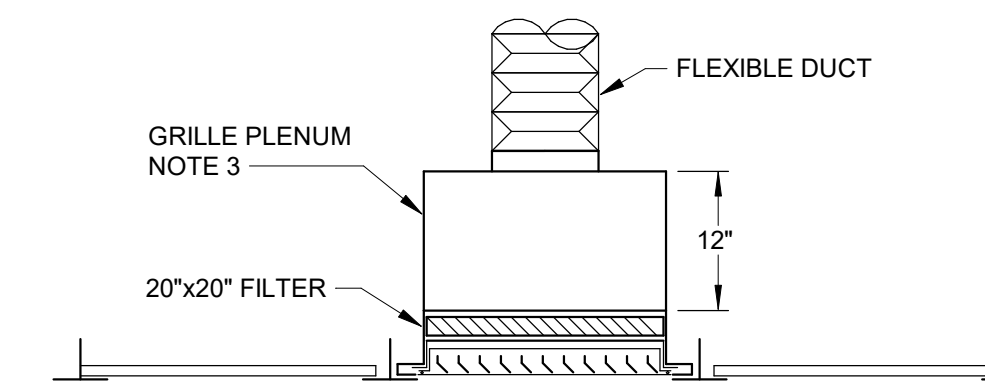
- NOTES:**
- SEISMIC REQUIREMENTS NOT INDICATED. SEE RELATED DETAILS.
 - BAND SHALL BE SIZED AND CONFIGURED TO CONFORM TIGHT TO DUCT DIMENSION.
 - PROVIDE UNISTRUT OR HEAVY ANGLE TO SPAN STRUCTURE AND ATTACH THREADED ROD.

ROUND AND OVAL DUCT SUPPORT
3046B NOT TO SCALE 08/13



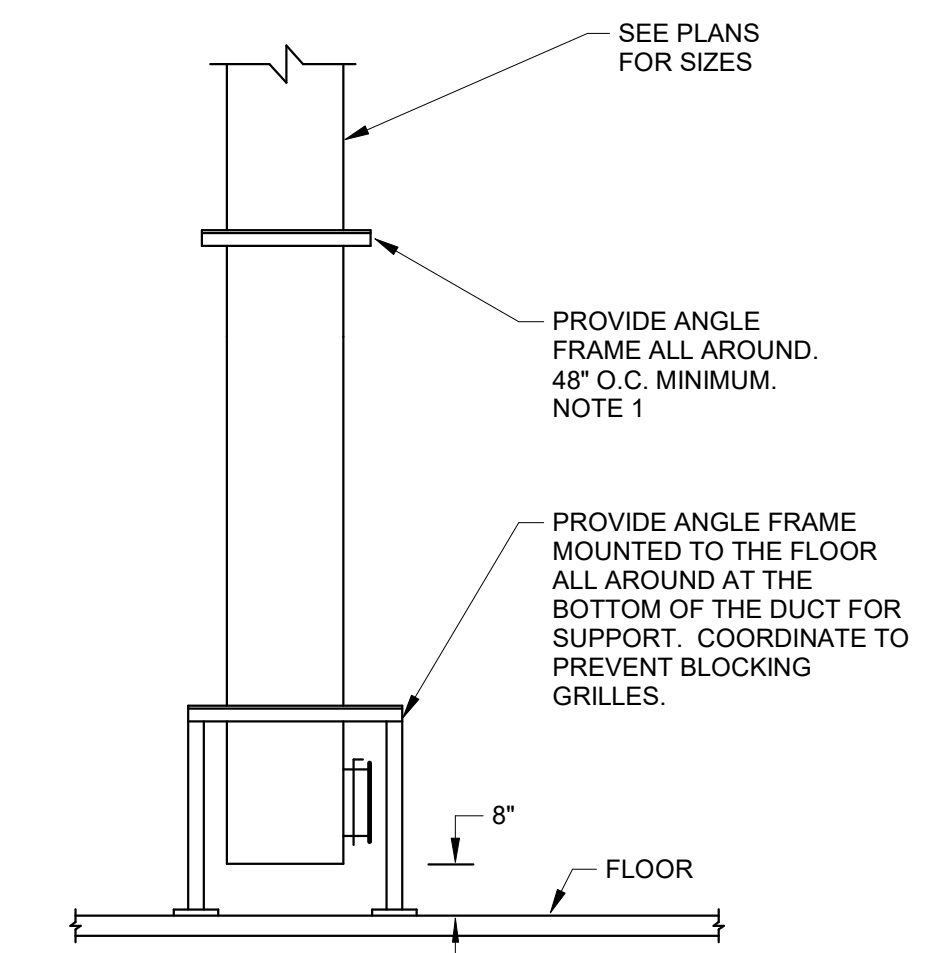
- NOTES:**
- SEE ARCHITECTURAL DRAWINGS FOR LOUVER SIZE AND ELEVATIONS.
 - SEE PLAN FOR PLENUM DEPTH. IF NO DEPTH SHOWN, DEPTH SHALL BE 12" MIN OR AS REQUIRED FOR DAMPER BLADES TO OPERATE THROUGH 90° WITHOUT STRIKING LOUVER, WHICHEVER IS GREATER.
 - LOUVERS WITHOUT MOTORIZED DAMPERS INSTALLED SIMILARLY.
 - SEE WIRE GRILLE DETAIL.
 - PLENUM WITH DUCT CONNECTIONS ARE SIMILAR BUT WITH A FULL BACK PANEL IN LIEU OF WIRE GRILLE.
 - PROVIDE A FULLY-HINGED ACCESS DOOR IN PLENUM AS SHOWN ON PLAN. IF NONE SHOWN, PROVIDE 16"x16" MIN. FOR PLENUMS UP TO 36" HIGH AND 30"x16" FOR ALL TALLER PLENUMS.

LOUVER PLENUM DETAIL
3048A NOT TO SCALE 06/20



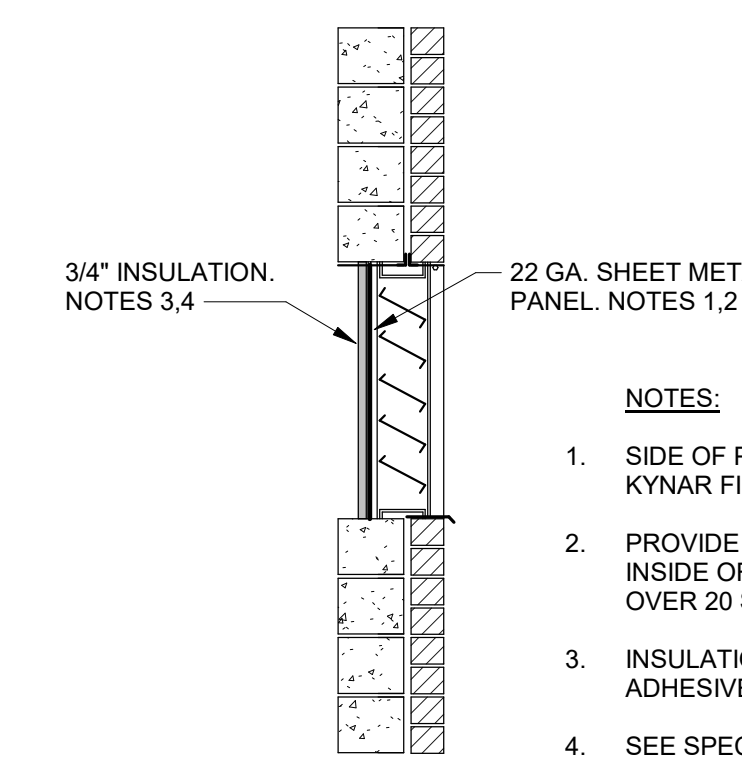
- NOTES:**
- SUPPORT PLENUM SIMILAR TO DUCT.
 - GRILLE SHALL HAVE HINGE WITH QUICK RELEASE FASTENERS FOR FILTER CHANGE.
 - WHERE LOCATION DOES NOT PERMIT INSTALLATION OF RETURN GRILLE AND PLENUM, GRILLE SHALL BE INSTALLED AT NEAREST SUITABLE LOCATION.

FILTER RETURN GRILLE DETAIL
3047E NOT TO SCALE 02/13



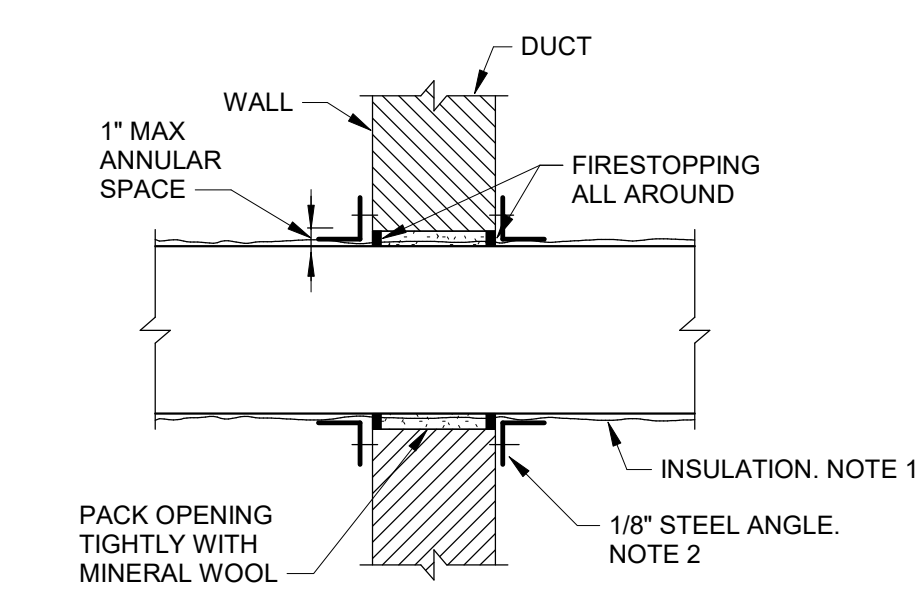
- NOTES:**
- FASTEN ANGLE FRAME TO EXISTING PURLINS AND PROVIDE SUPPLEMENTAL STEEL AS REQUIRED FOR ANCHORING.
 - BOTTOM OF DIFFUSER AT 10" AFF.

DIESEL LAB EXHAUST DUCT DETAIL
NOT TO SCALE



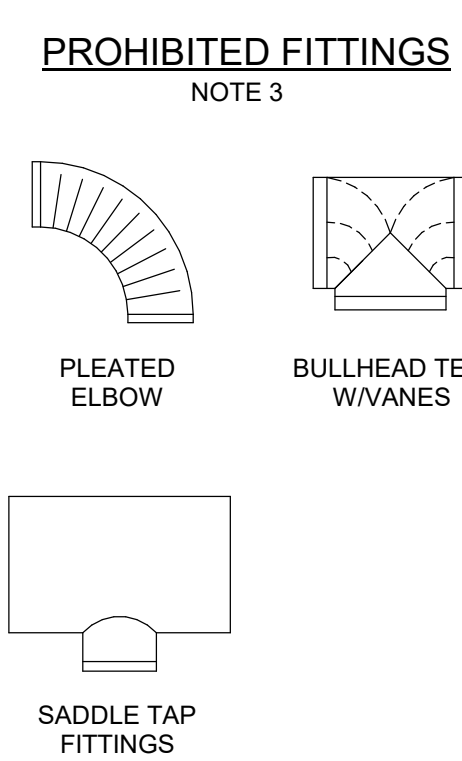
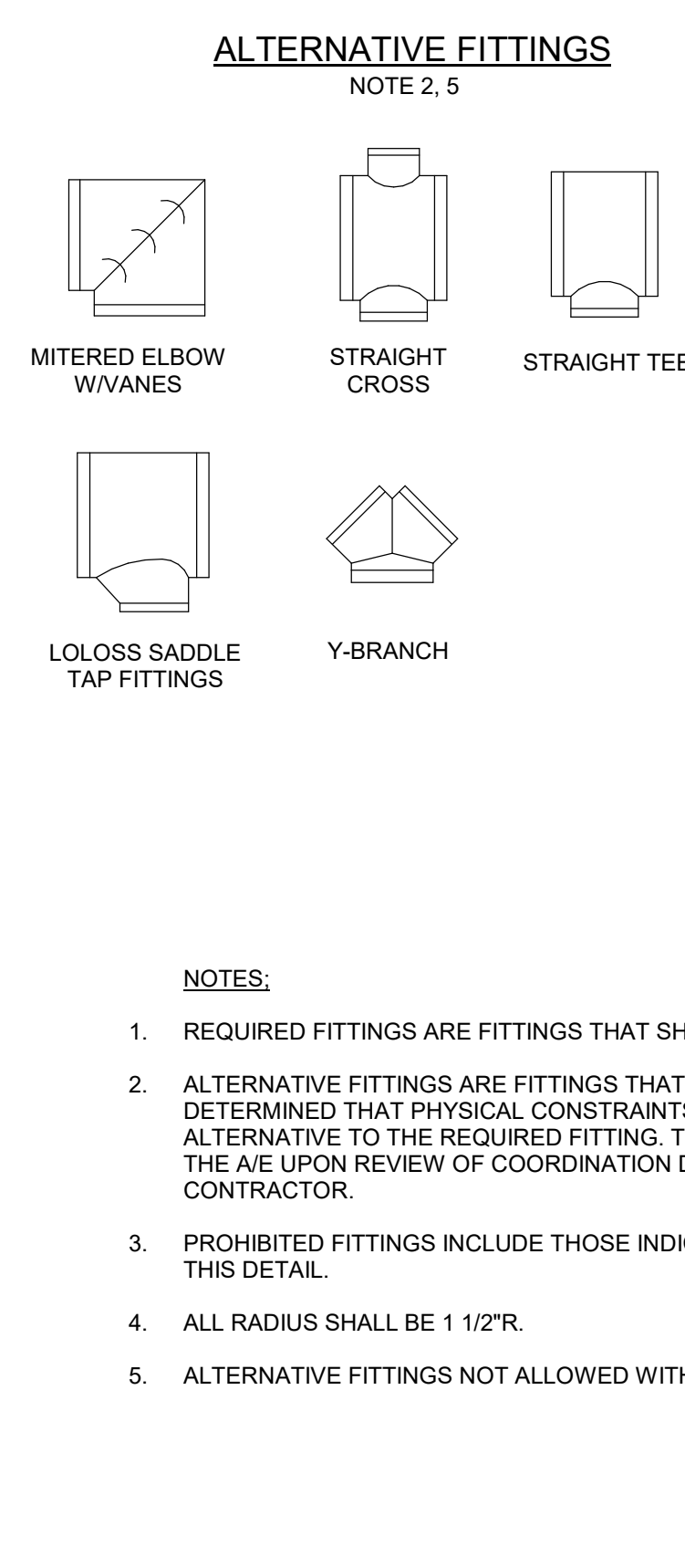
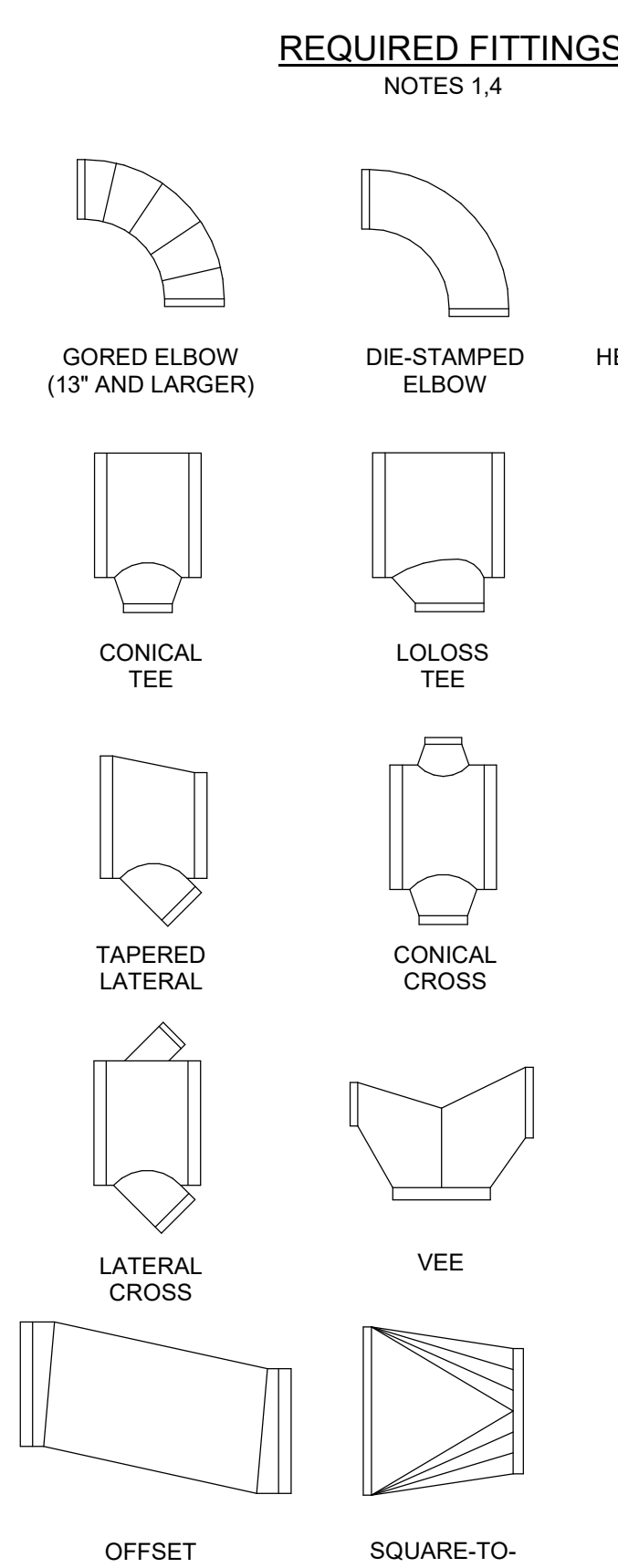
- NOTES:**
- SIDE OF PANEL VISIBLE FROM LOUVER SHALL HAVE A KYNAR FINISH MATCHING COLOR OF LOUVER.
 - PROVIDE REINFORCING OF PANEL AS REQUIRED ON INSIDE OF ROOM TO PROVIDE RIGIDITY. ALL PANELS OVER 20 SQ. FT. SHALL BE REINFORCED.
 - INSULATION SHALL BE ADHERED TO PANEL WITH ADHESIVE WITH 100% COVERAGE.
 - SEE SPECIFICATIONS FOR TYPE OF INSULATION REQUIRED.

LOUVER BLANK OFF DETAIL
3048B NOT TO SCALE 08/19



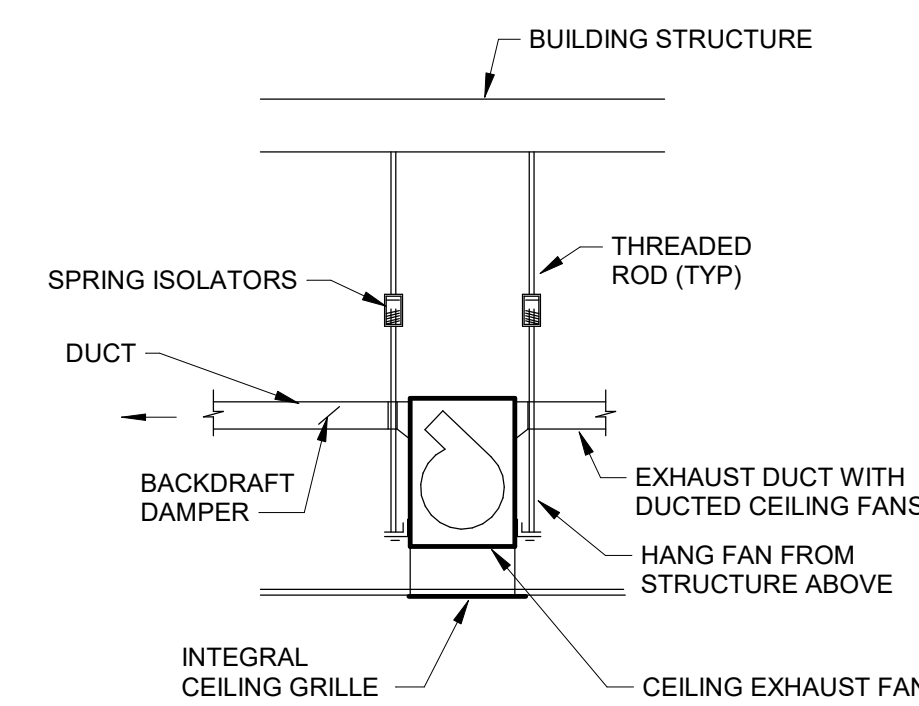
- NOTES:**
- BLANKET INSULATION, WHERE SPECIFIED, SHALL RUN CONTINUOUSLY THROUGH THE WALL.
 - ATTACH TO WALL 12" O.C. (MIN 2 PER SIDE) ANGLE SHALL OVERLAP WALL A MINIMUM OF 1-1/2"

DUCT THROUGH NON-RATED WALL DETAIL
3041A NOT TO SCALE 11/19



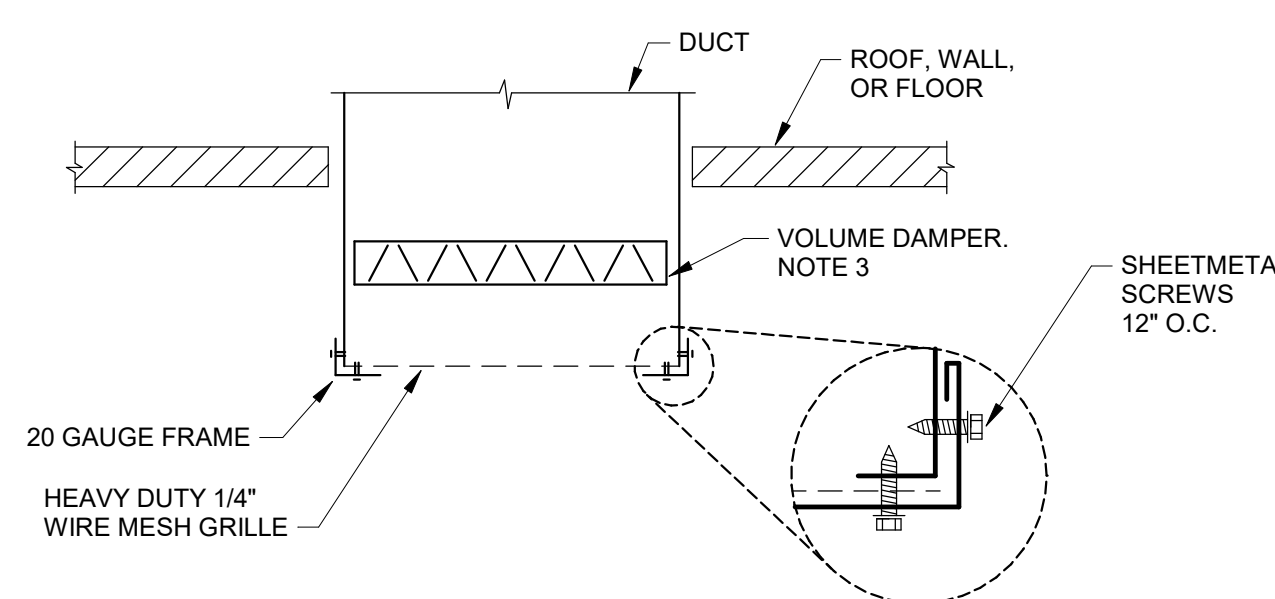
- NOTES:**
- REQUIRED FITTINGS ARE FITTINGS THAT SHALL BE INCLUDED IN BIDDING THE PROJECT.
 - ALTERNATIVE FITTINGS ARE FITTINGS THAT MAY BE CONSIDERED BY THE A/E IF IT IS DETERMINED THAT PHYSICAL CONSTRAINTS MAKE A FITTING IN THIS GROUP A BETTER ALTERNATIVE TO THE REQUIRED FITTING. THESE FITTINGS WILL ONLY BE CONSIDERED BY THE A/E UPON REVIEW OF COORDINATION DRAWINGS OR SKETCHES SUBMITTED BY THE CONTRACTOR.
 - PROHIBITED FITTINGS INCLUDE THOSE INDICATED PLUS ANY OTHERS NOT INDICATED ON THIS DETAIL.
 - ALL RADIUS SHALL BE 1 1/2"R.
 - ALTERNATIVE FITTINGS NOT ALLOWED WITH WELDED DUCTS.

ROUND AND OVAL DUCT FITTINGS
3046C NOT TO SCALE 08/19



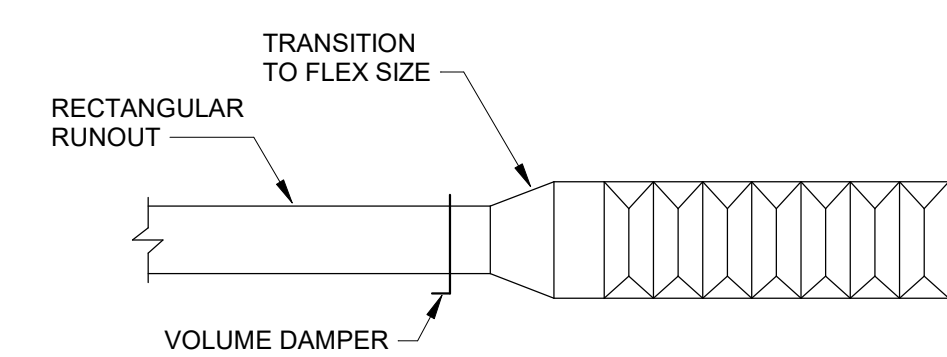
- NOTES:**
- FAN AND PARTS REQUIRING MAINTENANCE SHALL SWING DOWN AND BE FULLY SERVICEABLE.
 - DUCTED CEILING EXHAUST FAN SIMILAR.

CEILING EXHAUST FAN DETAIL
3052 NOT TO SCALE 10/05

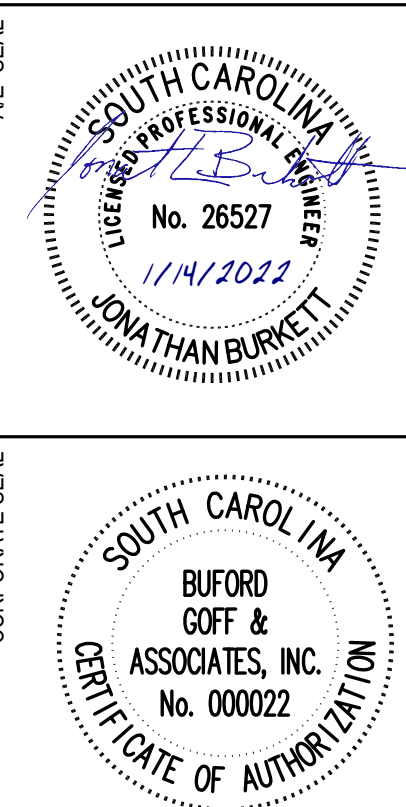


- NOTES:**
- PROVIDE ADDITIONAL BRACING ON GRILLES GREATER THAN 24".
 - SUBMIT SHOP DRAWINGS.
 - VOLUME DAMPER MAY BE OMITTED WHERE FAN SYSTEM HAS A SINGLE OUTLET.

WIRE GRILLE DETAIL
3042 NOT TO SCALE 03/03



DUCT TRANSITION TO RUNOUT FLEX DETAIL
3057 NOT TO SCALE 07/93



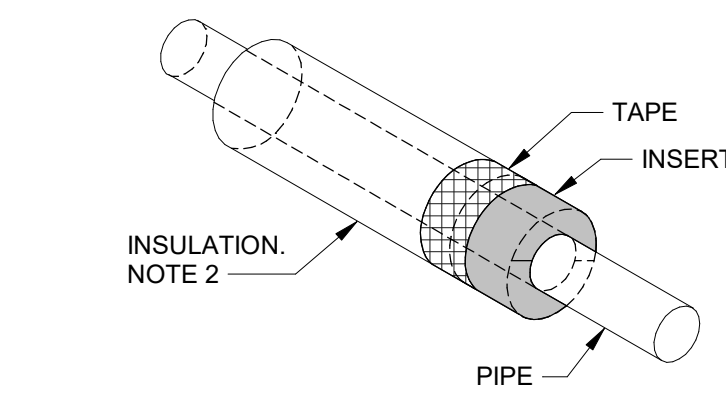
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PHASE
BID SET

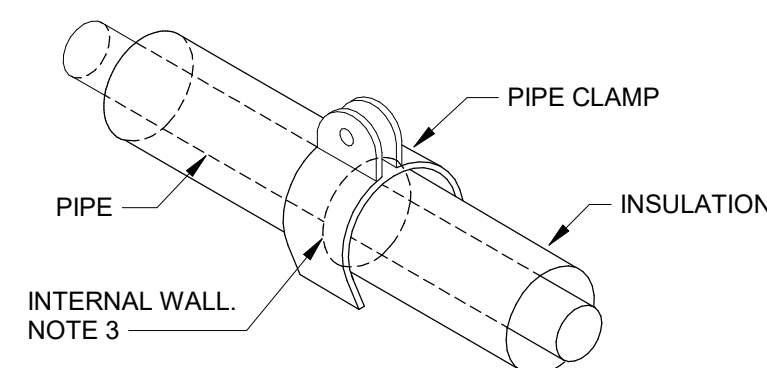
ISSUE DATE 1.14.2022
PROJECT NO. 21.286.00
STATE PROJECT NO. H59-N134-MJ

REVISION DATE

TITLE
HVAC DETAILS



RIGID INSERT FOR ELASTOMERIC INSULATION (HANGERS AND CLAMPS)



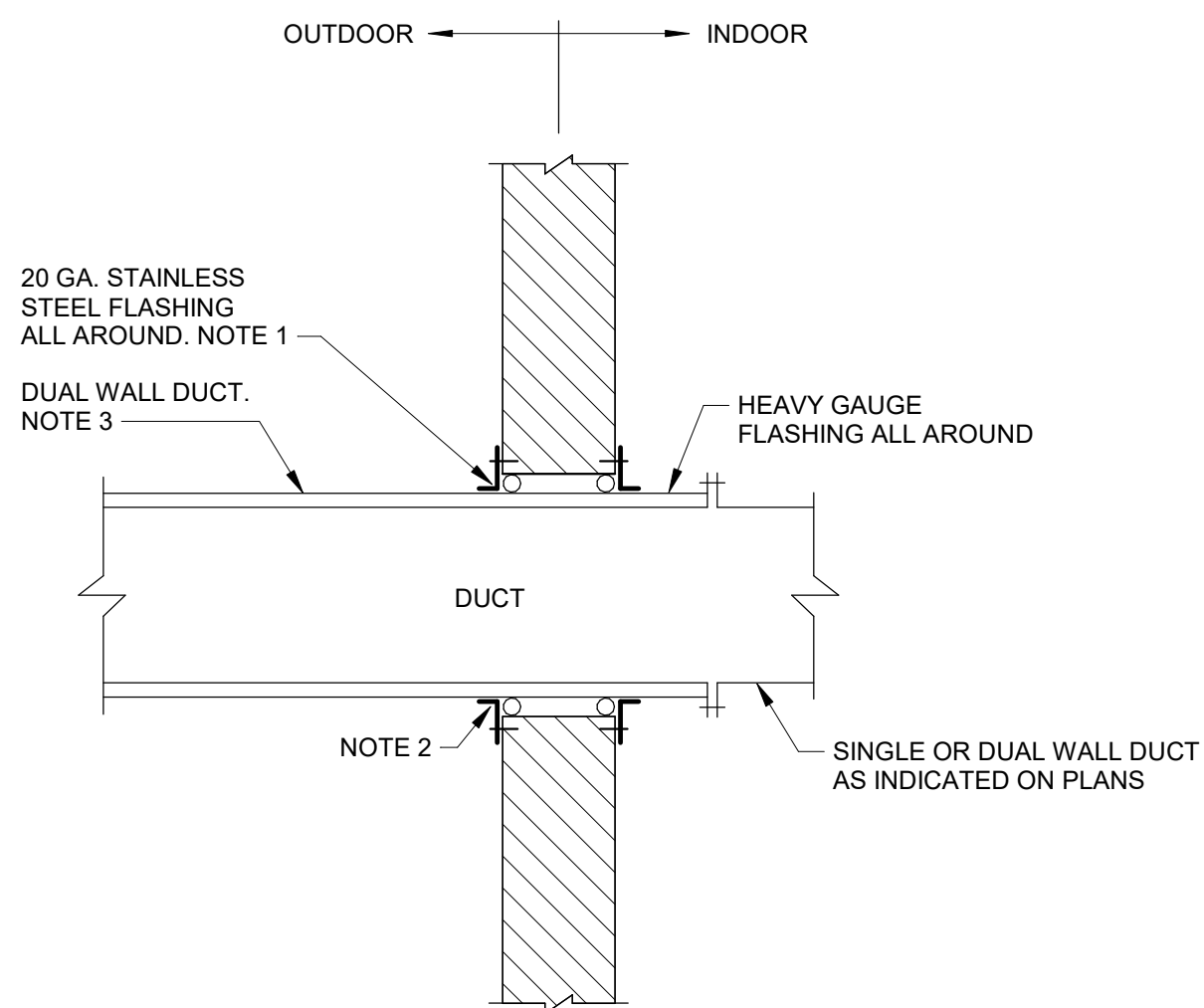
REFRIGERANT PIPE CLAMP

NOTES:

- RIGID INSULATION INSERT SHALL OCCUR AT EVERY HANGER OR PIPE CLAMP UNLESS A REFRIGERANT PIPE CLAMP IS USED.
- INSULATION SHALL BUTT UP TIGHT TO INSERT. SEAL WITH MANUFACTURER'S TAPE TO PROVIDE AN AIRTIGHT SEAL.
- INSERT INSULATION INTO THE PIPE CLAMP POCKETS ON BOTH SIDES UP TO THE INTERNAL WALL TO CREATE A CONTINUOUSLY INSULATED ASSEMBLY. SEAL AROUND CLAMP WITH MANUFACTURER'S APPROVED TAPE.

REFRIGERANT PIPE SUPPORT DETAIL

3183 NOT TO SCALE 04/18

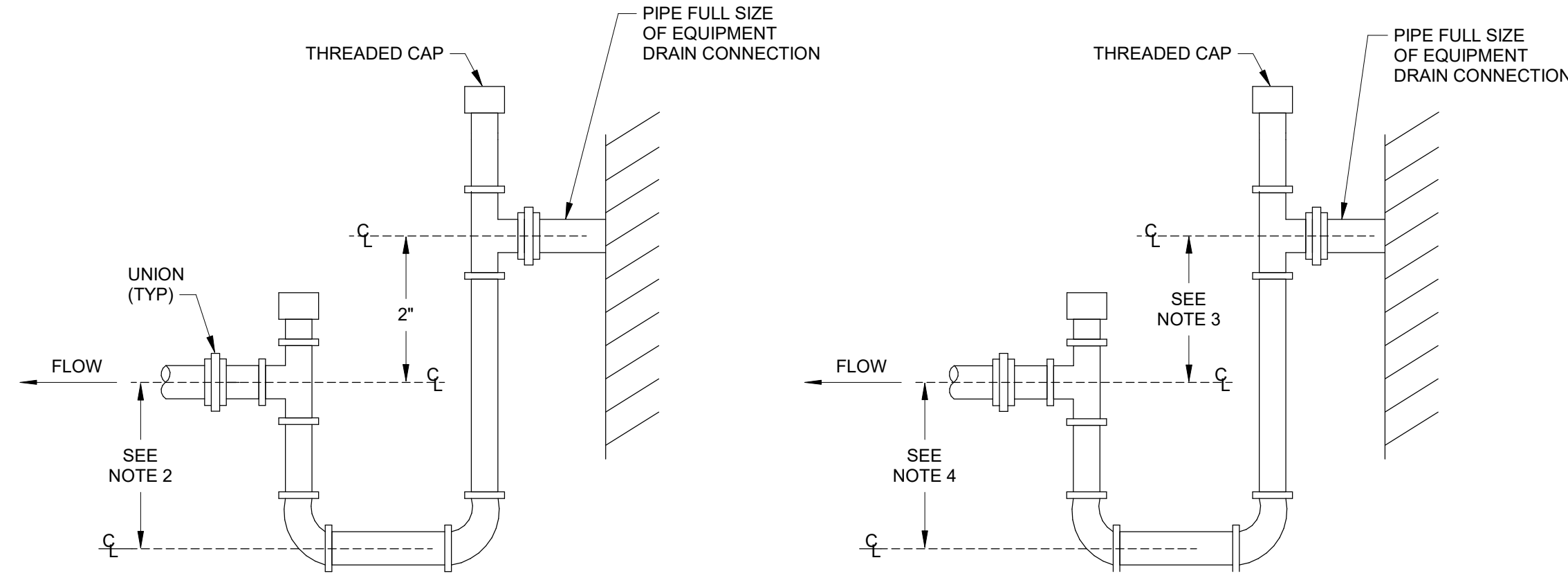


NOTES:

- PROVIDE CAULKING BEHIND ANGLE.
- PROVIDE SEALANT BETWEEN DUCT AND WALL ALL AROUND.
- SEE SPECIFICATIONS

DUAL WALL DUCT THROUGH EXTERIOR WALL DETAIL

3041C NOT TO SCALE 10/09



BLOW THRU DRAIN

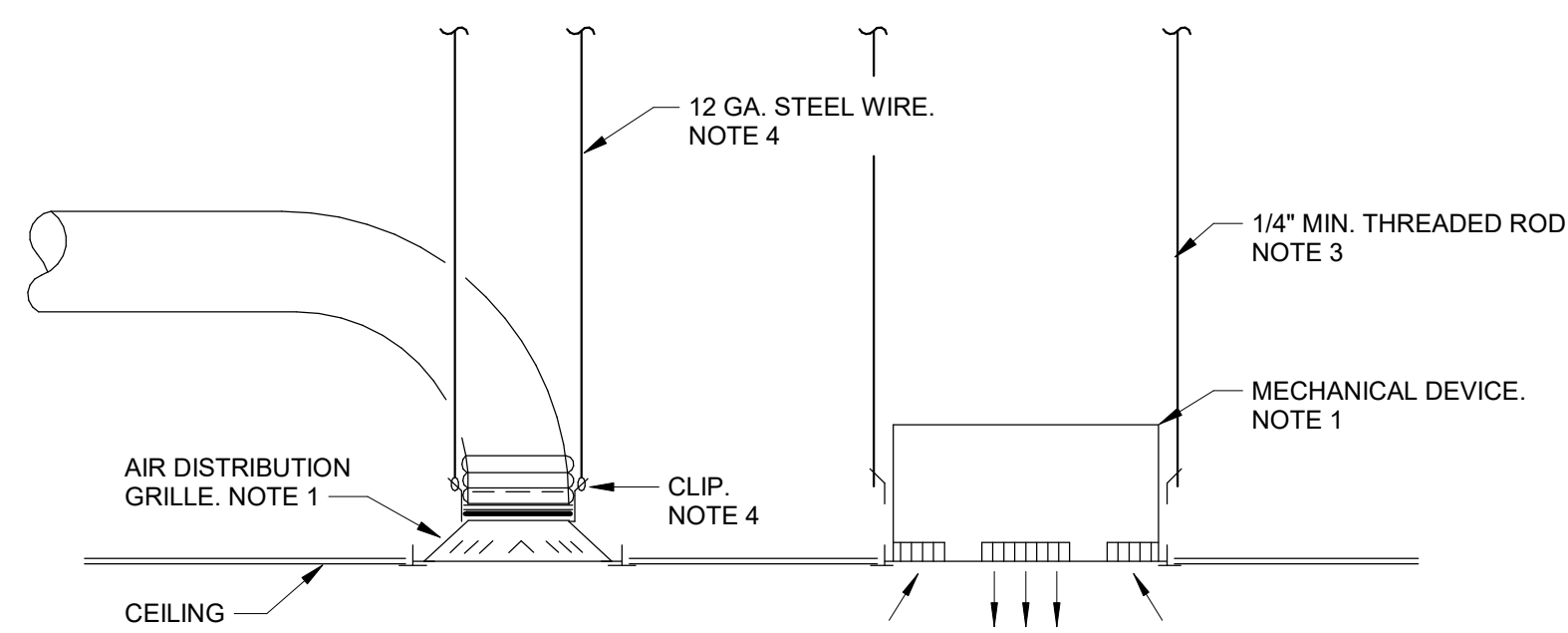
NOTES:

- LOCATE TRAPS SO AS TO BE ACCESSIBLE FOR CLEANING.
- HEIGHT SHALL BE EQUAL TO UNIT MAXIMUM TOTAL STATIC PRESSURE PLUS 1/2".
- HEIGHT SHALL BE EQUAL TO UNIT MAXIMUM NEGATIVE STATIC PRESSURE PLUS 1".
- HEIGHT SHALL BE 1/2 OF HEIGHT INSTALLED IN NOTE 3.
- PIPE TO NEAREST DRAIN.
- TRAP SHALL NOT BLOCK ACCESS TO EQUIPMENT.
- PROVIDE UNIONS AT INLET AND OUTLET OF TRAP.
- DRAIN LINE SHALL BE 3/4" MIN OR UNIT CONNECTION SIZE, WHICHEVER IS LARGER.

DRAW THRU DRAIN

EQUIPMENT CONDENSATE DRAIN DETAIL

3179B NOT TO SCALE 03/16

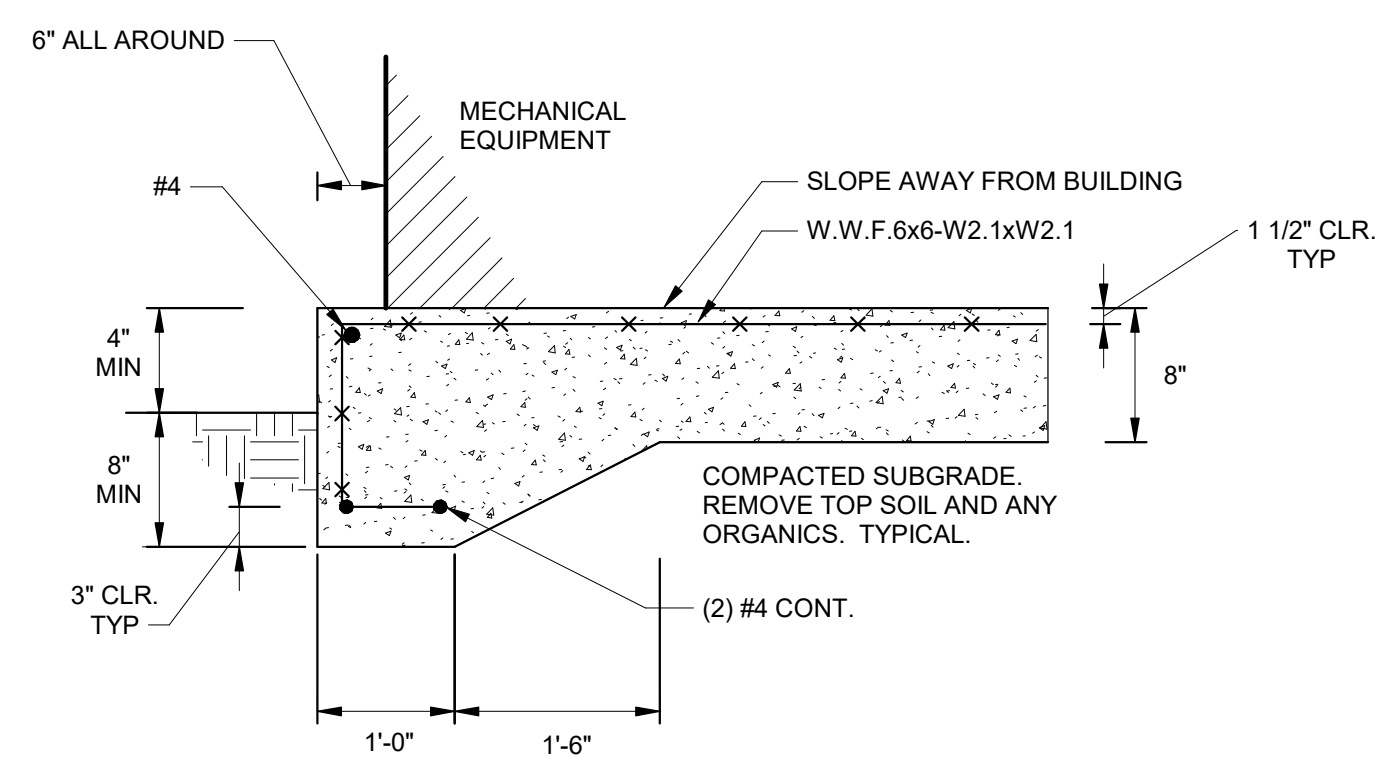


NOTES:

- DETAIL APPLIES TO ALL TYPES OF AIR DISTRIBUTION DEVICES, HEATERS, FAN COILS, AND OTHER COMPONENTS MOUNTED IN A CEILING SYSTEM.
- COMPONENTS UP TO 56# SHALL BE POSITIVELY ATTACHED TO CEILING GRID SYSTEM AND TWO WIRES TO STRUCTURE. THE CONTRACTOR HAS THE OPTION OF PROVIDING:
 - HURRICANE CLIPS SUITABLE FOR GRID.
 - INSTALLING TWO #10 SHEET METAL SCREWS IN CONCEALED PORTION OF GRID TO HOLD COMPONENT ONTO GRID.
- COMPONENTS GREATER THAN 56# SHALL BE SUPPORTED INDEPENDENT OF THE CEILING GRID SYSTEM.
- WHEN TWO WIRES ARE REQUIRED:
 - ATTACH CLIPS TO GRILLE.
 - ATTACH WIRES TO STRUCTURE. PROVIDE ADDITIONAL ANCHORS AND CLIPS, PERMANENTLY FASTENED TO STRUCTURE. WIRE SHALL ALLOW A MAXIMUM OF 6" INCHES FALL.
 - WIRE CONNECTION SHALL BE MADE WITH A MINIMUM OF 3 COMPLETE TURNS. TURNS SHALL BE COMPLETED WITHIN 2" AND NOT HAVE EXCESS WIRE GREATER THAN 1".
- WHEN ATTACHING TO THE CEILING GRID, THE ATTACHMENT SHALL BE MADE TO THE MAIN RUNNERS OR CROSS RUNNERS WITH THE SAME CARRYING LOAD AS THE MAIN RUNNERS.

CEILING MOUNTED MECHANICAL COMPONENT DETAIL

3850 NOT TO SCALE 01/21

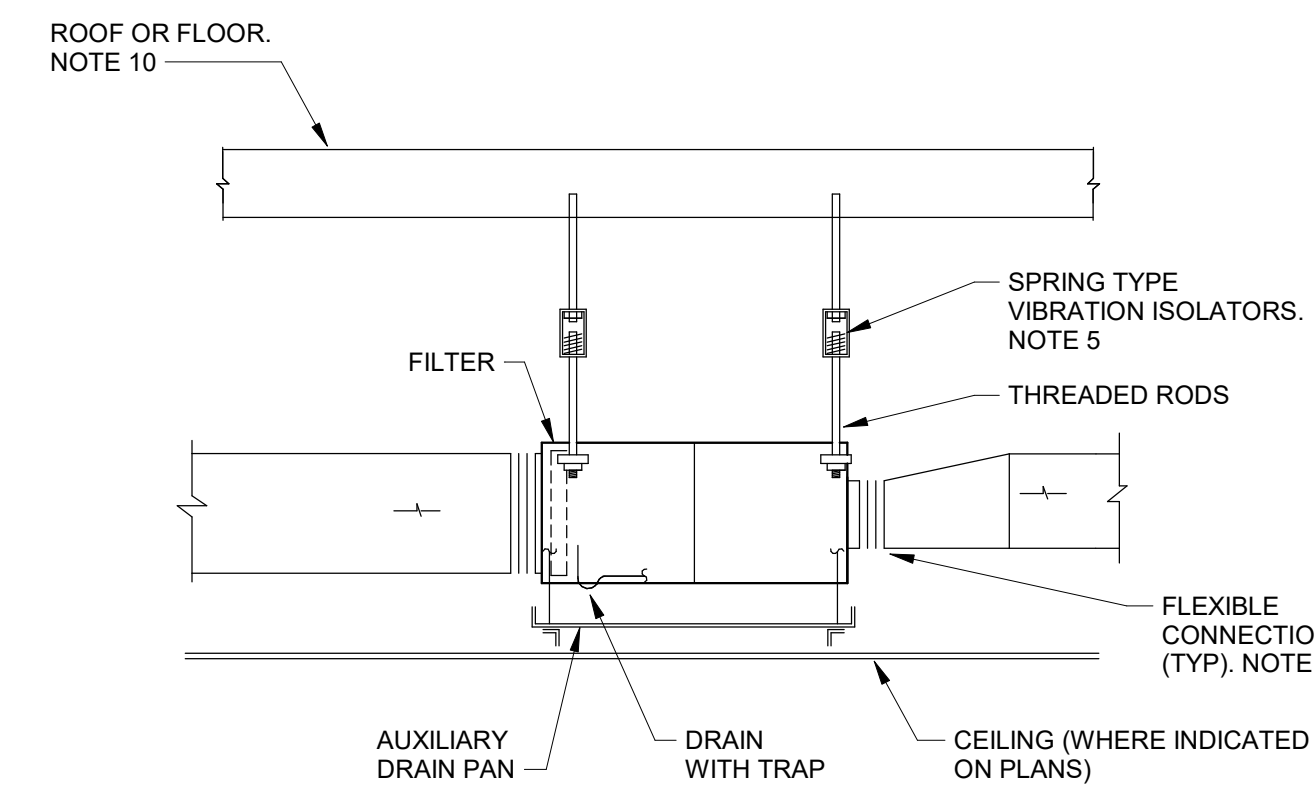


NOTES:

- EXTEND THE TOE FOOTING DEPTH TO ENSURE LEVEL PAD (AND EQUIPMENT) AND ADJUST FOR GRADES.

EQUIPMENT PAD DETAIL

NOT TO SCALE

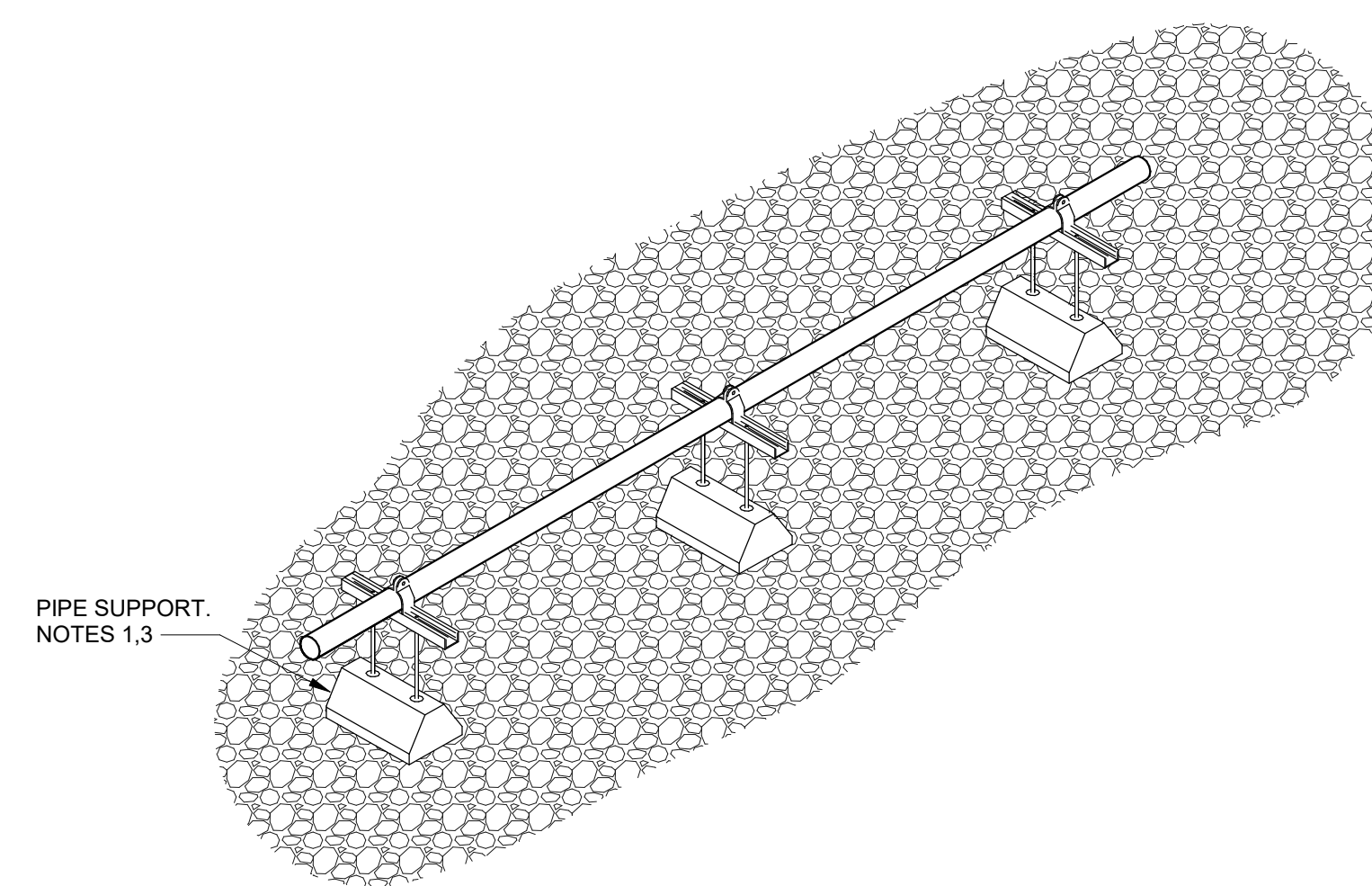


NOTES:

- SUPPORT FROM OTHER ROOF TYPES OR SLABS SIMILARLY.
- TRANSITION SUPPLY AND RETURN DUCT AS REQUIRED FOR CONNECTION TO AIR HANDLER.
- PROVIDE MANUFACTURER'S RECOMMENDED CLEARANCE FOR MAINTENANCE OR CLEARANCE INDICATED ON PLANS, WHICHEVER IS GREATER.
- MOUNT UNIT TO MAINTAIN SLOPE ON DRAIN LINE.
- SPRING ISOLATORS REQUIRED WHERE SPECIFIED.
- FLEX CONNECTION FOR ALL UNITS WITH MOTORS.
- PROVIDE A FACTORY INSTALLED FILTER HOUSING WITH SIDE OR BOTTOM ACCESS AS REQUIRED.
- AUXILIARY DRAIN PAN REQUIRED ON ALL EQUIPMENT WITH COOLING COIL OR WHERE CONDENSATION IS POSSIBLE, WHEN UNIT LOCATED ABOVE CEILING, IN ATTIC, OR SIMILAR LOCATION.
- THREADED RODS FOR AUXILIARY DRAIN PAN CAN BE THE SAME AS THE UNIT SUPPORT RODS IF THEY CAN BE PROPERLY INSTALLED (I.E. WITHOUT BENDING, INTERFERING WITH UNIT ACCESS, ETC.). OTHERWISE THEY SHALL BE RUN SIMILAR TO UNIT SUPPORT RODS.
- FIELD VERIFY EXISTING STRUCTURE AND PROVIDE SUPPORTS AND FRAMING AS REQUIRED.

SUSPENDED INDOOR AIR HANDLING EQUIPMENT DETAIL

3016 NOT TO SCALE 01/15

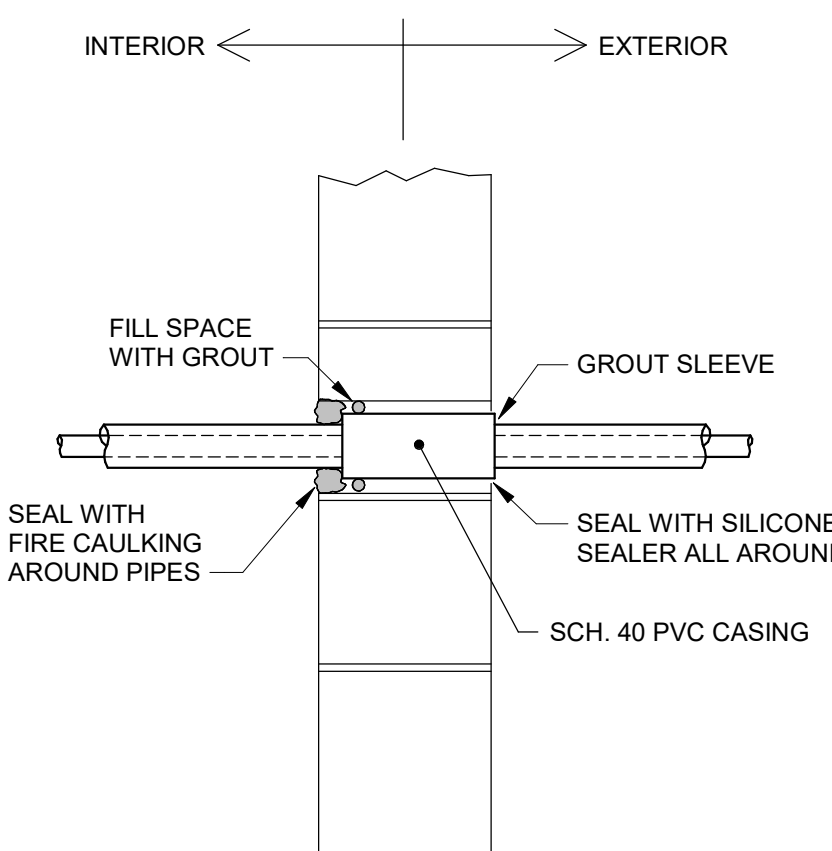


NOTES:

- PROVIDE SUPPORT 4'-0" ON CENTER.
- SEE SPECIFICATIONS FOR SUPPORT REQUIREMENTS.
- SET SUPPORTS IN HEAVY BED OF MASTIC.
- HEIGHT OF SUPPORT SHALL BE ADJUSTED TO PROVIDE A 1/4" PER FOOT SLOPE TOWARD THE DRAIN.

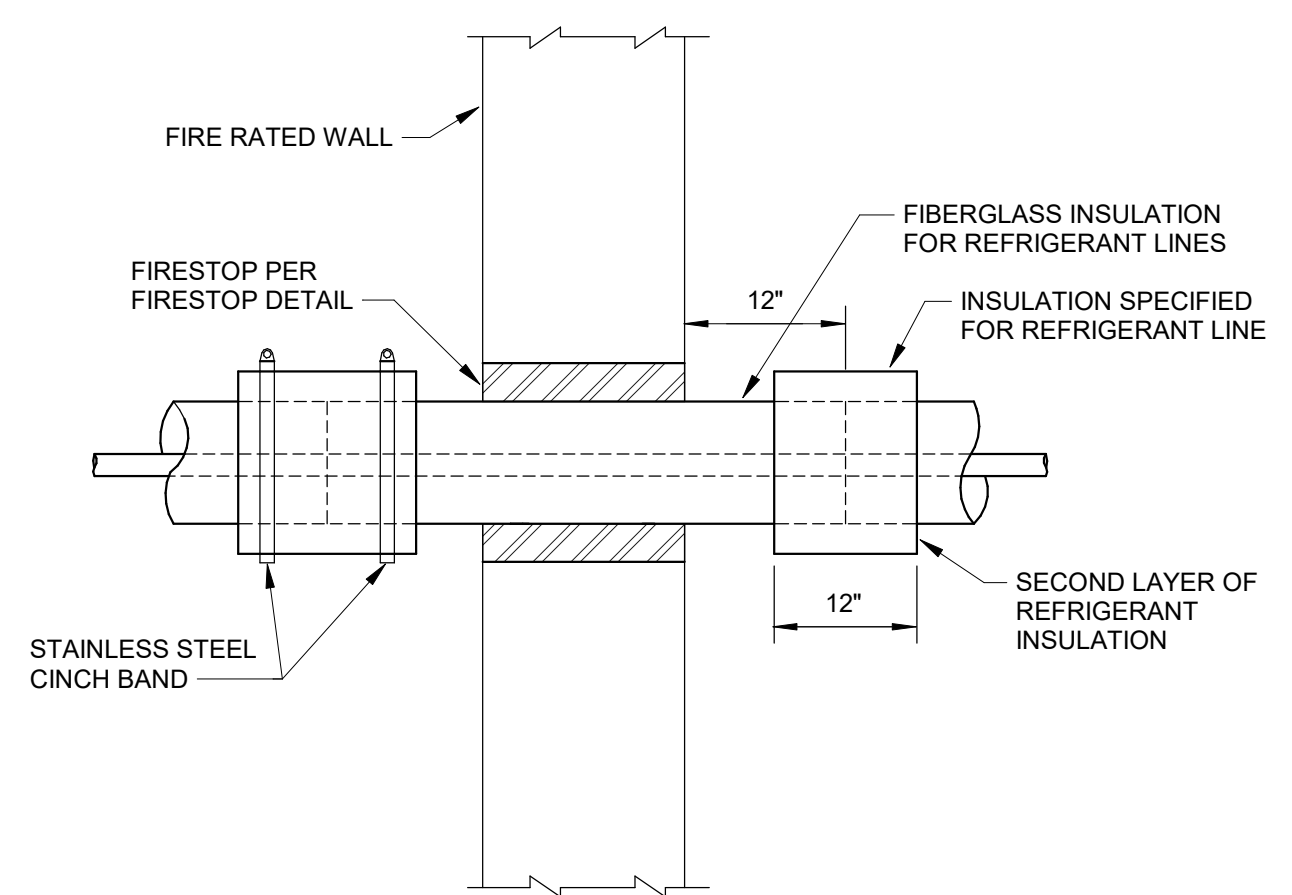
EQUIPMENT DRAIN PIPE SUPPORT ON ROOF DETAIL

3178C NOT TO SCALE 04/18



REFRIGERANT PIPE THROUGH WALL DETAIL

3177B NOT TO SCALE 04/12

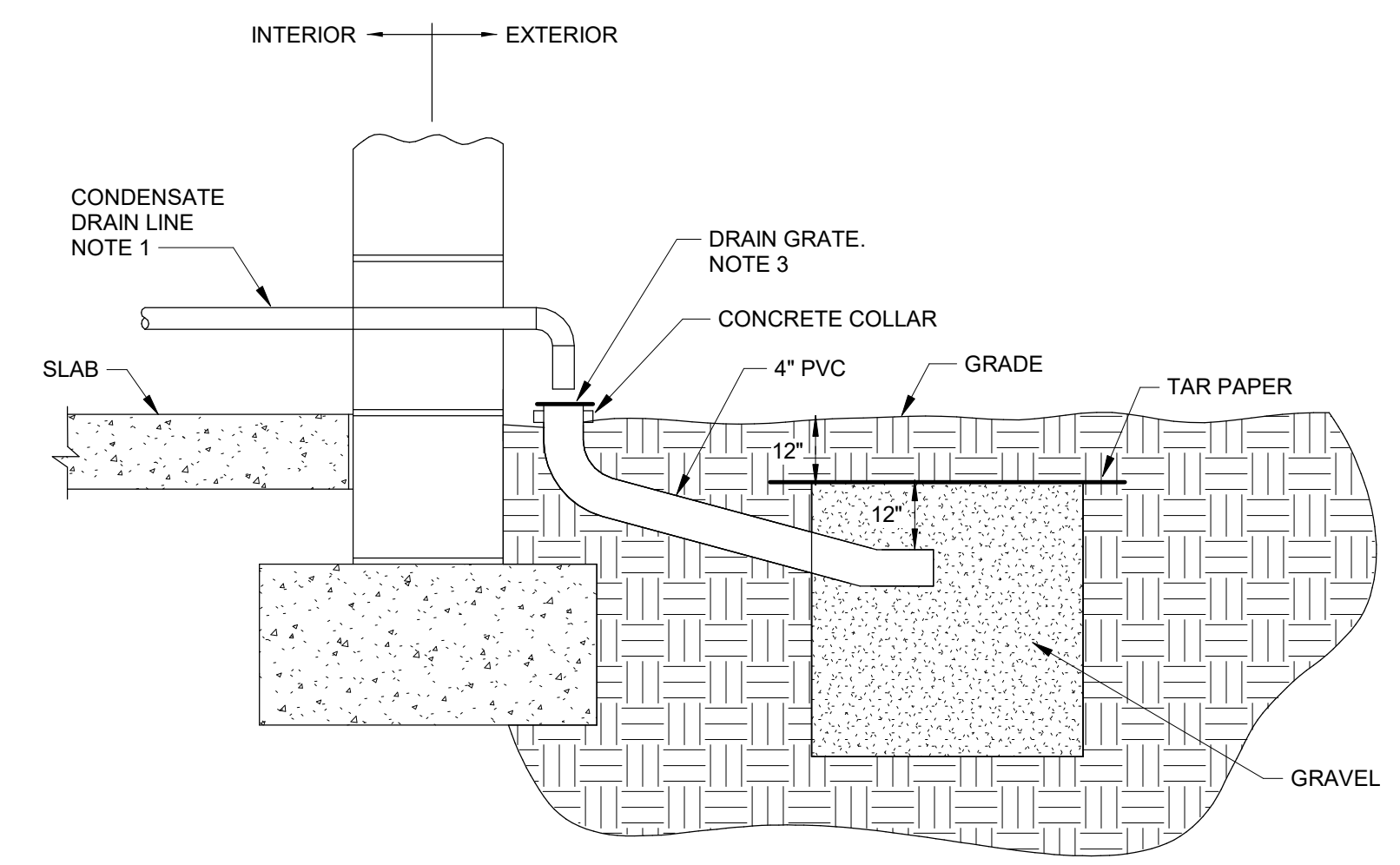


NOTES:

- IF UL ASSEMBLY ALLOWS REFRIGERANT PIPE INSULATION TO BE INSTALLED THROUGH THE RATED WALL, THE REFRIGERANT PIPE INSULATION SHALL BE RUN CONTINUOUSLY THROUGH THE WALL.

REFRIGERANT PIPING THROUGH RATED WALL DETAIL

3257 NOT TO SCALE 06/18

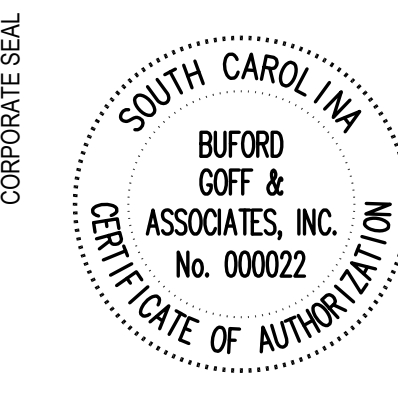
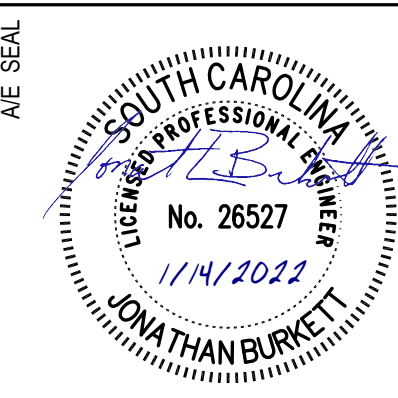


NOTES:

- SEE PIPE THROUGH WALL DETAILS.
- DRYWELL SHALL BE (2)(3)(4) FEET CUBED.
- INSTALL GRATE ON GRADE.

DRYWELL DETAIL - TYPE 1

3184A NOT TO SCALE 04/18



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PROJECT NO. 21.286.00
STATE PROJECT NO. H59-N134-MJ

REVISION DATE

TITLE
HVAC DETAILS

PLUMBING DEMOLITION NOTES

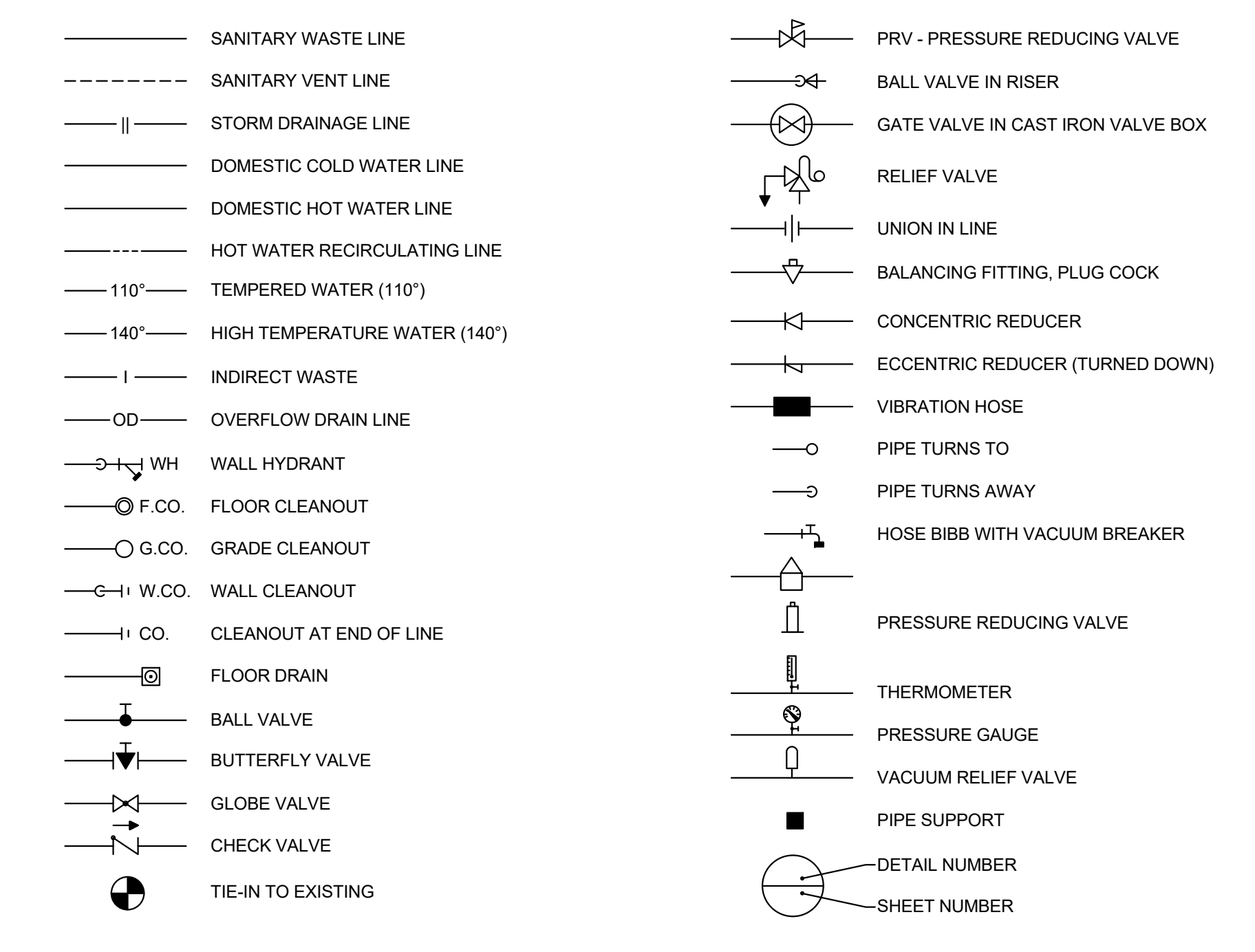
- DRAWINGS SHOW GENERAL INTENT OF DEMOLITION. QUANTITIES, LOCATIONS, SIZES AND EQUIPMENT ARE SHOWN TO INDICATE TYPE OF SYSTEM INSTALLED AND DOES NOT NECESSARILY REPRESENT EXACT CONDITIONS. CONTRACTOR SHALL FIELD VERIFY BEFORE BIDDING.
- DEMOLITION OF EQUIPMENT, SYSTEMS AND COMPONENTS SHALL INCLUDE ALL SUPPORTS, PADS, HANGERS, INSULATION, CONTROLS, STARTERS, ACCESSORIES AND APPURTENANCES NOT REQUIRED FOR THE INSTALLATION OF THE NEW SYSTEM.
- WHEN PARTIAL DEMOLITION OF A SYSTEM IS INDICATED, THE PART OF THE SYSTEM SHOWN TO BE REMOVED SHALL BE REMOVED TO THE ACTIVE MAIN OR BRANCH IF NOT REQUIRED FOR THE INSTALLATION OF THE NEW SYSTEM. THE ACTIVE MAIN OR BRANCH SHALL BE REPAIRED TO MATCH THE NEW INSTALLATION AS PRACTICAL. IF SYSTEM IS INSULATED, INSULATION SHALL BE PATCHED AND FINISH REPAIR (I.E.: VAPOR BARRIER, COATING, ETC.).
- PATCHING OF BUILDING STRUCTURES AND FINISHES SHALL PERTAIN TO ALL WALLS, FLOORS, SLABS, ROOFS, STRUCTURES AND FINISHES. PATCHES SHALL MATCH EXISTING STRUCTURE, FIRE RATING AND FINISH.
- ALL OPENINGS CREATED BY THE ABANDONMENT OR REMOVAL OF EXISTING SYSTEMS SHALL BE PATCHED.
- ALL WALLS, ROOFS, SLABS, STRUCTURES AND FINISHES WHOSE FINISH IS IRREGULAR DUE TO THE REMOVAL OF SYSTEMS, SUPPORTS, PADS, ACCESSORIES AND APPURTENANCES SHALL BE PATCHED.
- ALL FINISHES SHALL MATCH EXISTING FINISH. WHEN FINISH OBVIOUSLY DOES NOT MATCH EXISTING FINISH SUCH AS SHADE OF PAINT, AGE OF FINISH, ETC., THE FINISH SHALL BE APPLIED TO THE PATCH AND THE SURFACE IN ALL DIRECTIONS UNTIL A SURFACE CHANGE OF A MINIMUM 45 DEGREE.
- REMOVAL OF SYSTEMS SHALL INCLUDE COMPLETE SYSTEM WHENEVER PRACTICAL. IF NOT, SYSTEM (I.E.: PIPE, CONDUIT, ETC.) SHALL BE REMOVED TO 1 INCH BELOW SURFACE.
- WHEN WASTE SYSTEMS ARE REMOVED BUT VENT THRU ROOF ARE SPECIFIED TO REMAIN, VENT SHALL BE SECURED TO ROOF STRUCTURE. VENT SHALL ALSO BE CAPPED ON ROOF AND IN THE BUILDING.

PS132

PLUMBING GENERAL NOTES

- SEE SITE PLAN FOR CONTINUATION OF UTILITIES. COORDINATE INVERTS WITH SITE UTILITIES PRIOR TO INSTALLING UNDERGROUND UTILITIES.
- DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS, FIXTURE LOCATIONS, ETC.
- EXCEPT WHERE PIPE SPACE IS PROVIDED, ALL SUPPLY, WASTE AND VENT RISERS SHALL BE RUN IN WALLS AND PARTITIONS.
- HOT AND COLD WATER PIPING RUNS ABOVE CEILING.
- VENTS SHALL EXTEND THROUGH THE ROOF 24" ABOVE ROOF.
- PROVIDE A 1/2" CHROME PLATED, LOOSE KEY HOSE BIBB UNDER ONE LAVATORY IN EACH TOILET SPACE EQUIPPED WITH A FLOOR DRAIN.
- LOCATE HOSE BIBBS 2'-0" ABOVE FINISH FLOOR.
- LOCATE WALL HYDRANTS 2'-0" ABOVE FINISH GRADE.
- PROVIDE ACCESS TO ALL EQUIPMENT REQUIRING CLEANING OR ADJUSTMENT. ACCESS IN RATED ASSEMBLIES SHALL MEET OR EXCEED THE REQUIREMENTS OF THE ASSEMBLY.
- COORDINATE PLUMBING WORK WITH THE WORK OF OTHER TRADES TO AVOID INTERFERENCE AND CONFLICT.
- INSTALL ALL GAS PIPING IN ACCORDANCE WITH THE INTERNATIONAL FUEL GAS CODE.
- VENT PIPING SHALL PITCH A MINIMUM OF 1/8" PER FOOT.
- ALL HOSE BIBBS, VALVES WITH THREADED HOSE CONNECTIONS, AND ALL WALL HYDRANTS SHALL BE EQUIPPED WITH A VANDAL PROOF VACUUM BREAKER.
- COORDINATE FLOOR DRAINS FOR AIR CONDITIONING EQUIPMENT WITH THE MECHANICAL CONTRACTOR PRIOR TO ROUGHING IN FLOOR DRAINS.
- PLUMBING CONTRACTOR SHALL ROUGH-IN ALL WASTE AND SUPPLIES TO SPECIAL EQUIPMENT ACCORDING TO MANUFACTURER'S APPROVED SHOP DRAWINGS AND MAKE FINAL CONNECTIONS. ALL SUPPLIES SHALL HAVE SHUT-OFF VALVES.
- PLUMBING CONTRACTOR SHALL INSTALL DIELECTRIC UNIONS AT CONNECTIONS OF DISSIMILAR METALS.
- WATER CLOSETS IN TOILET ROOMS SHALL BE CENTERED ACCORDING TO APPROVED SHOP DRAWINGS OF TOILET PARTITIONS.
- COLD AND HOT WATER LINES SHOWN IN THE AREA OF A FIXTURE AND/OR TOILET GROUP SHALL BE RUN FULL SIZE OF HEADER INDICATED IN WALL AND/OR CHASE. PROVIDE CONNECTION TO FIXTURES, HOSE BIBB AND TRAP PRIMER AS PLUMBING CONNECTION SCHEDULE AND DETAILS INDICATE.
- SIZES OF VENT PIPE SHALL BE 2" UNLESS STATED OTHERWISE ON PLANS.
- LOCATE FLUSH VALVE HANDLE ON WIDE SIDE OF HANDICAPPED WATER CLOSET AND URINAL.
- PROVIDE TRAP PRIMER FOR ON ALL FLOOR DRAINS.
- SLOPE COMPRESSED AIR PIPING AT 1" PER 40 FEET.

PLUMBING LEGEND



PLUMBING FIXTURE CONNECTION SCHEDULE *

| P-NO. | FIXTURE | COLD WATER SIZE | HOT WATER SIZE | WASTE | | | VENT SIZE | REMARKS |
|-------|--|-----------------|----------------|-------------|---------------|-------|-----------|---------|
| | | | | DIRECT SIZE | INDIRECT SIZE | DRAIN | | |
| P-1 | WATER CLOSET - FLOOR MOUNTED - FLUSH VALVE | 1" | - | 4" | - | - | 2" | |
| P-1A | WATER CLOSET - FLOOR MOUNTED - FLUSH VALVE - HANDICAPPED | 1" | - | 4" | - | - | 2" | |
| P-2 | URINAL - WALL HUNG - FLUSH | 3/4" | - | 2" | - | - | 2" | |
| P-2A | URINAL - WALL HUNG - FLUSH VALVE - HANDICAPPED | 3/4" | - | 2" | - | - | 2" | |
| P-3 | LAVATORY STATION (3) PERSON - WALL HUNG - BATTERY OPERATED | 3/4" | 3/4" | 1 1/2" | - | - | 2" | ① |
| P-3A | LAVATORY STATION (2) PERSON - WALL HUNG - HANDICAPPED - BATTERY OPERATED | 3/4" | 3/4" | 1 1/2" | - | - | 2" | ① |
| P-3B | WASH STATION - 3 STATION - STAINLESS STEEL W/BATTERY OPERATED FAUCETS (2.2 GPM FLOW) | 3/4" | 3/4" | 2" | - | - | 2" | ① |
| P-4 | JANITORS SINK - FLOOR MOUNTED | 3/4" | 3/4" | 3" | - | - | 2" | |
| P-5 | WALL MOUNTED - HIGH/LOW WATER COOLER WITH BOTTLE FILLER | 1/2" | - | - | - | - | 2" | |
| P-5A | WALL MOUNTED - WATER COOLER WITH BOTTLE FILLER | 1/2" | - | - | - | - | 2" | |
| P-6 | HOSE BIBB | 1/2" | - | 1 1/2" | - | - | - | |
| P-7 | WALL HYDRANT | 3/4" | - | - | - | - | - | |
| P-8 | EMERGENCY EYEWASH - FLOOR MOUNTED | 1/2" | 1/2" | 1 1/2" | - | - | 2" | ② |

REMARKS

- ① 110 DEGREE HOT WATER
- ② 70 DEGREE TEPID WATER

*** GENERAL PLUMBING FIXTURE NOTES (THESE NOTES APPLY TO ALL APPLICABLE PLUMBING FIXTURES):**

- THE CONTRACT DOCUMENTS ARE INTENDED TO PROVIDE A GUIDE FOR THE PLUMBING CONTRACTOR FOR THE PURPOSES OF BIDDING THIS PROJECT. THE PLUMBING CONTRACTOR SHALL COORDINATE ALL ROUGH-IN LOCATIONS AND FINAL CONNECTION WITH APPROVED SHOP DRAWINGS AND CUT SHEETS.
- THE PLUMBING CONTRACTOR SHALL PROVIDE ALL MATERIALS NECESSARY TO PROVIDE FINAL CONNECTIONS TO EQUIPMENT INCLUDING OWNER FURNISHED EQUIPMENT IF ANY.
- PROVIDE SUPPLY STOPS, P-TRAPS AND REDUCER FITTINGS. PROVIDE ALL OTHER ACCESSORIES AT EACH PIECE OF EQUIPMENT TO ALLOW THE EQUIPMENT TO OPERATE PROPERLY IN ACCORDANCE WITH ALL PERTINENT CODES AND EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.

SEISMIC DESIGN CRITERIA

| | |
|------------------------------|---------------------------------------|
| RISK CATEGORY (b): | III |
| SEISMIC DESIGN CATEGORY (a): | C |
| NOTES: | (a) INFORMATION PROVIDED BY ARCHITECT |

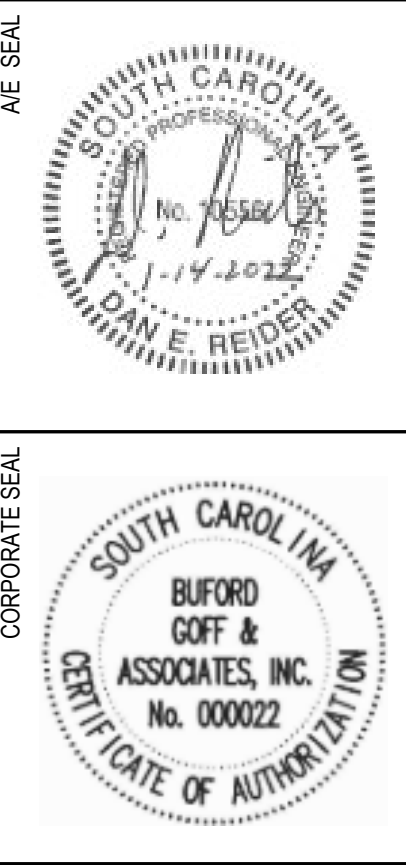
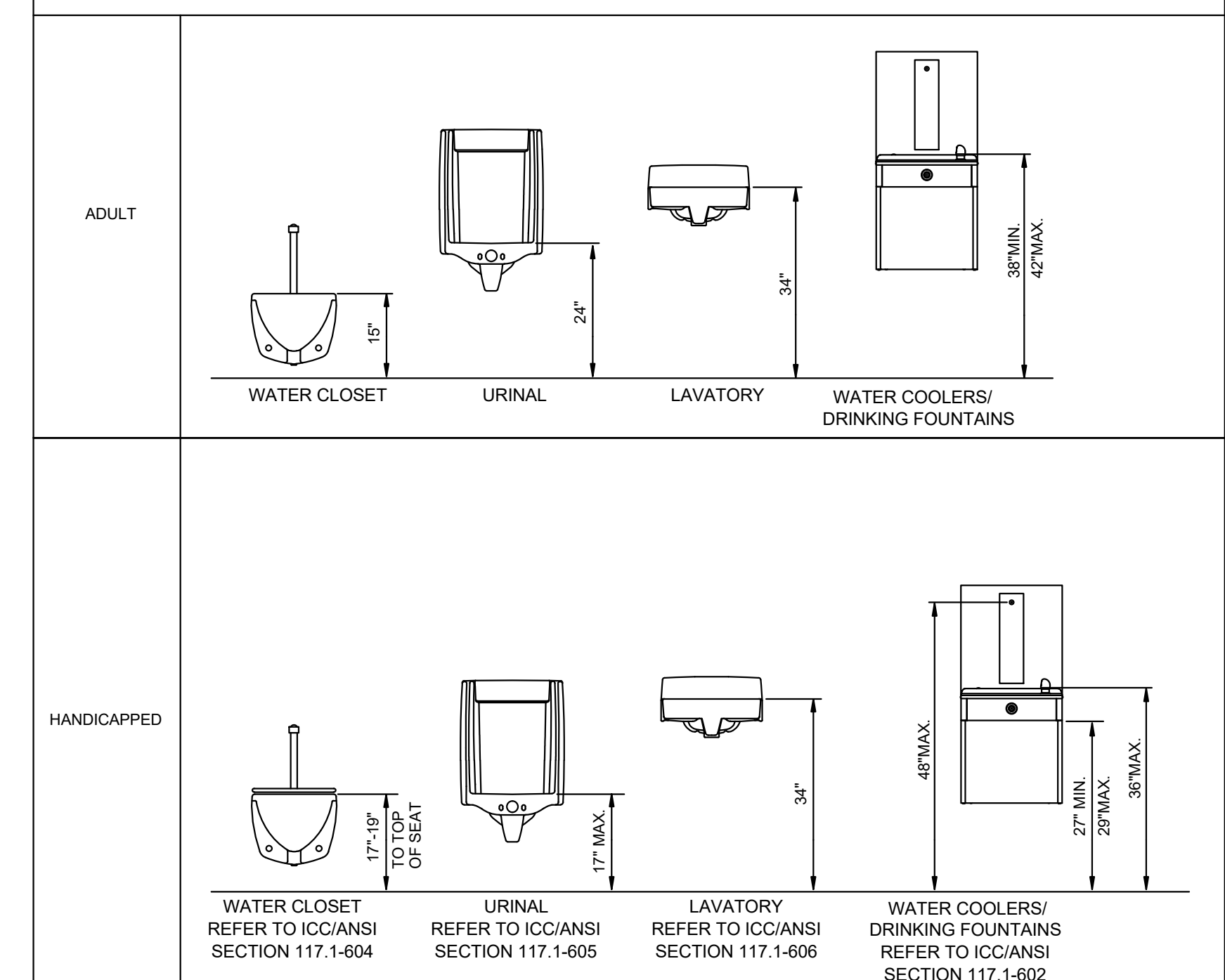
WATER HAMMER ARRESTER SCHEDULE

| P.D.I. SYMBOL | FIXTURE UNIT RATING | MANUFACTURER AND MODEL | REMARKS |
|---------------|---------------------|---------------------------|---------|
| A | 1-11 | J.R. SMITH HYDROTROL 5005 | |
| B | 12-32 | J.R. SMITH HYDROTROL 5010 | |
| C | 33-60 | J.R. SMITH HYDROTROL 5020 | |
| D | 61-113 | J.R. SMITH HYDROTROL 5030 | |
| E | 114-154 | J.R. SMITH HYDROTROL 5040 | |
| F | 155-330 | J.R. SMITH HYDROTROL 5050 | |

PLUMBING ABBREVIATIONS

| | | | | | |
|------|-----------------------|------|------------------------------|------|-------------------------------|
| AFF | ABOVE FINISHED FLOOR | HWD | HOT WATER DOWN | PDI | PLUMBING DRAINAGE INSTITUTION |
| AP | ACCESS PANEL | HWFA | HOT WATER FROM ABOVE | PPD | PIPE TO FLOOR DRAIN |
| CI | CAST IRON | HWFB | HOT WATER FROM BELOW | PRV | PRESSURE REDUCING VALVE |
| CW | COLD WATER | HWR | HOT WATER RECIRCULATING LINE | RCP | REINFORCED CONCRETE PIPE |
| CWD | COLD WATER DOWN | HWU | HOT WATER UP | RD | ROOF DRAIN |
| CWFA | COLD WATER FROM ABOVE | IW | INDIRECT WASTE | SD | STORM DRAIN |
| CWFB | COLD WATER FROM BELOW | IE | INVERT ELEVATION | SDD | STORM DRAIN DOWN |
| CWU | COLD WATER UP | MAX | MAXIMUM | SDFA | STORM DRAIN FROM ABOVE |
| D | DIRECT WASTE | MIN | MINIMUM | ST | STORAGE TANK |
| DIA | DIAMETER | MM | MILLIMETER | TYP | TYPICAL |
| ET | EXPANSION TANK | MV | MIXING VALVE | V | VENT |
| FD | FLOOR DRAIN | NC | NORMALLY CLOSED | UDS | UTILITY DISTRIBUTION SYSTEM |
| FS | FLOOR SINK | NG | NATURAL GAS | VFB | VENT FROM BELOW |
| FT | FEET | NO | NORMALLY OPEN | VTR | VENT THRU ROOF |
| GPM | GALLONS PER MINUTE | OC | ON CENTER | W | WASTE |
| HW | HOT WATER | OD | OVERFLOW DRAIN | WD | WASTE DOWN |
| | | P-1 | PLUMBING FIXTURE NUMBER 1 | WFA | WASTE FROM ABOVE |

FIXTURE MOUNTING HEIGHTS

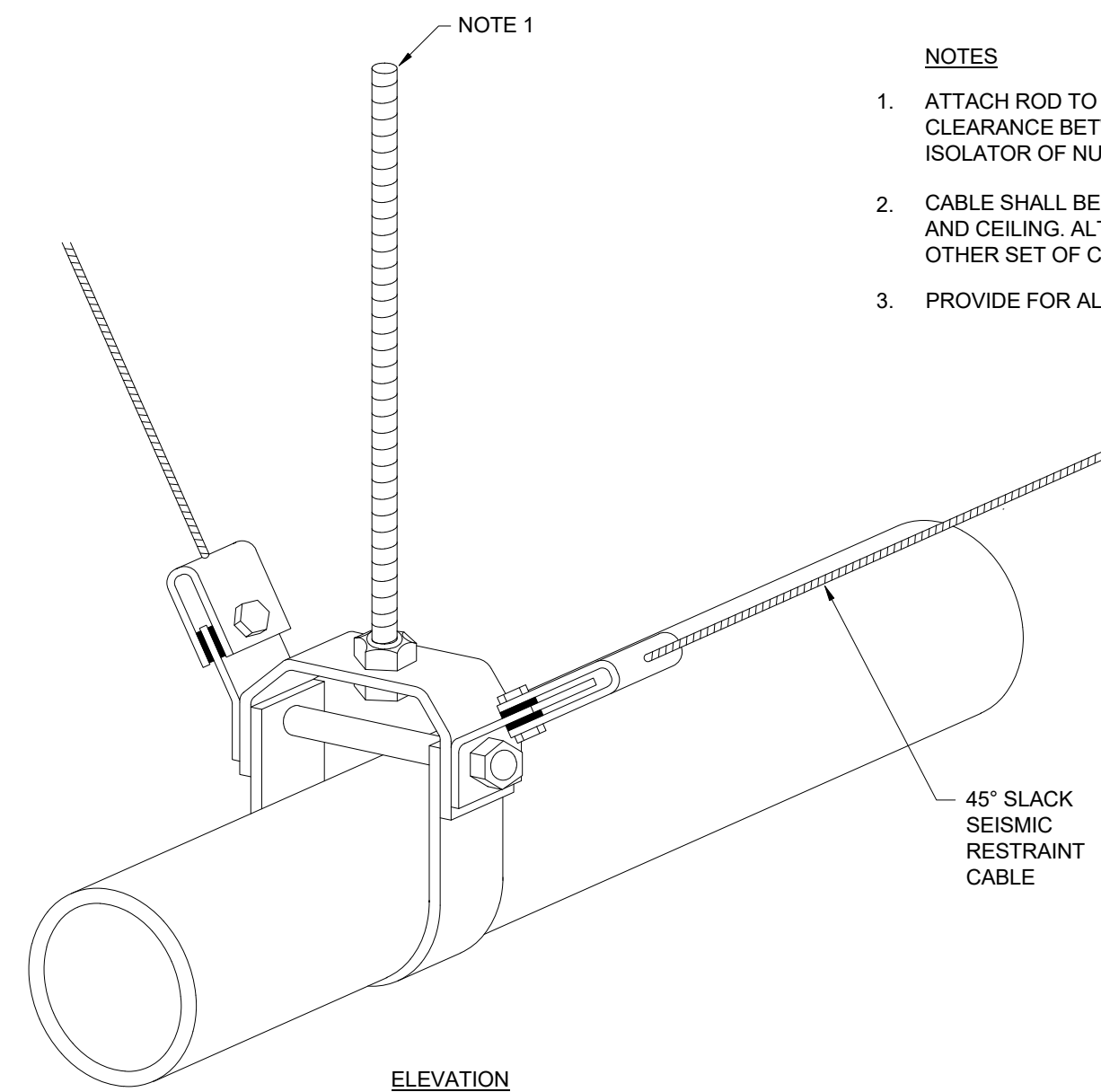
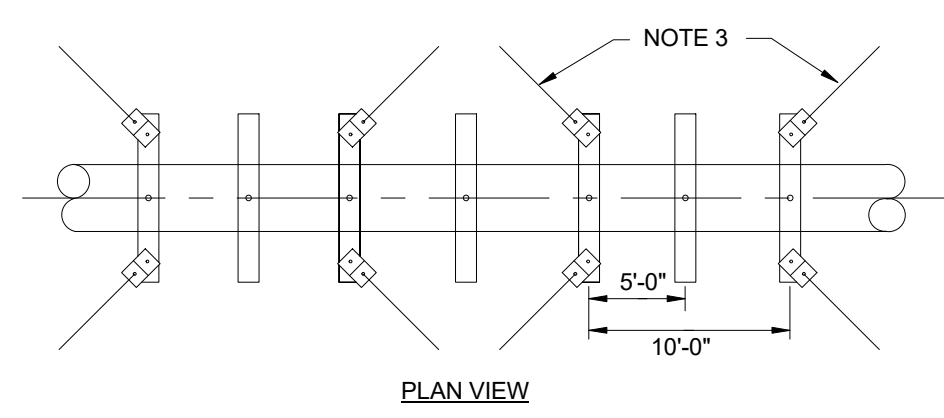


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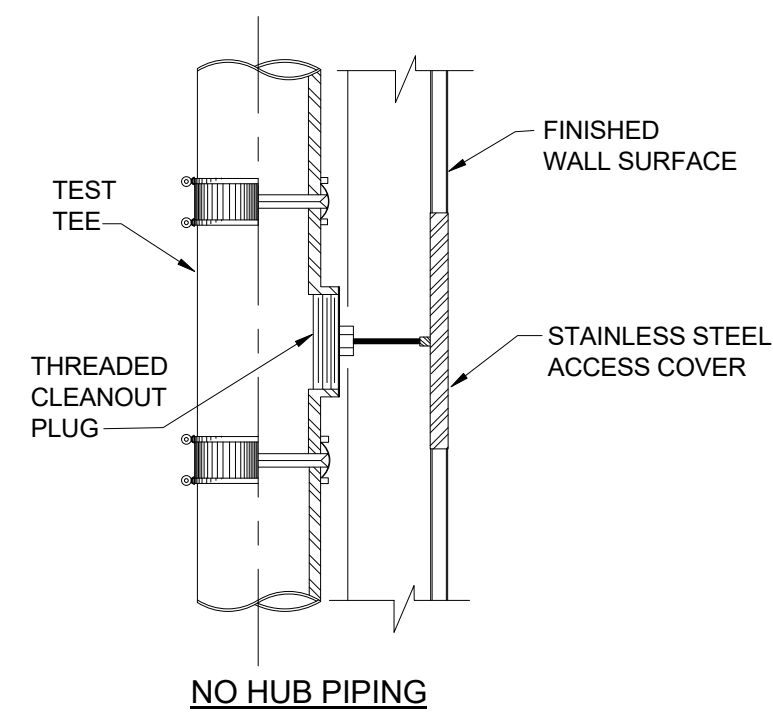
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PROJECT NO.: 21.286.00
STATE PROJECT NO.: H59-N134-MAJ

REVISION: DATE



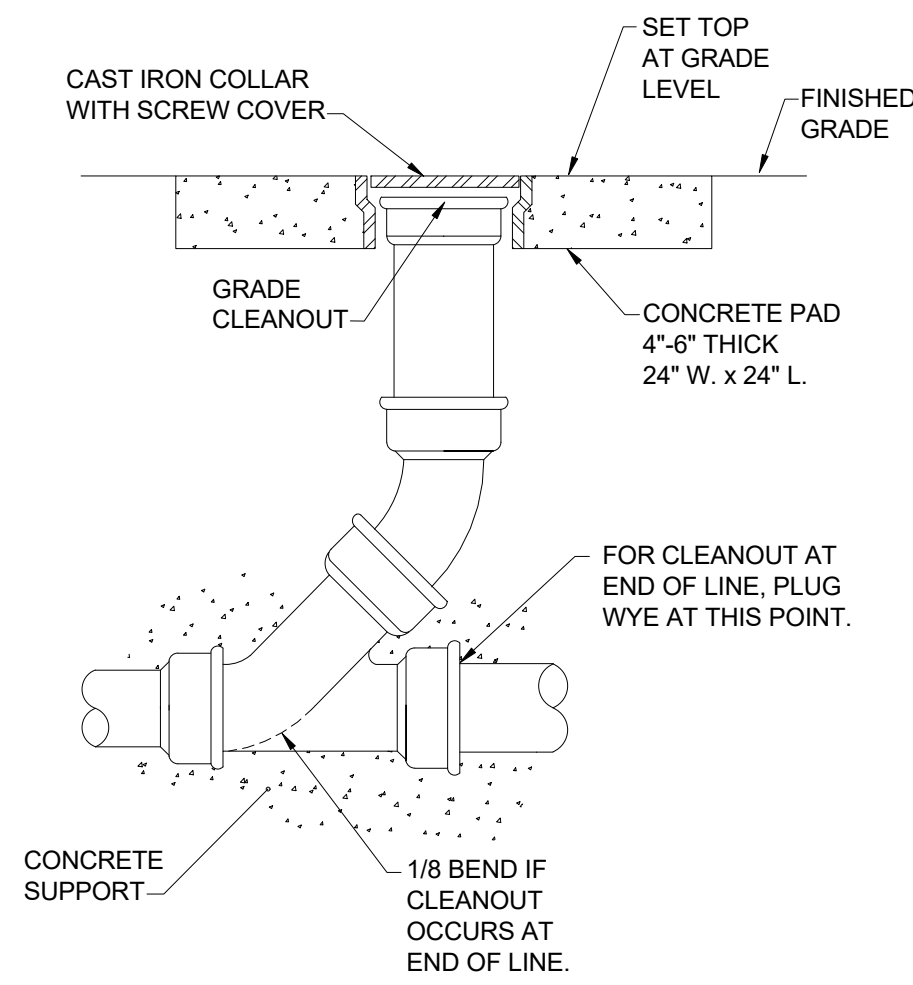
COMPRESSED AIR PIPING SUPPORT
NOT TO SCALE

- NOTES**
1. ATTACH ROD TO STRUCTURE. PROVIDE 1/4" CLEARANCE BETWEEN STRUCTURE AND TOP OF ISOLATOR OF NUT.
 2. CABLE SHALL BE AT 45 DEGREES FROM PIPE AND CEILING. ALTERNATE DIRECTIONS EVERY OTHER SET OF CABLES.
 3. PROVIDE FOR ALL COMPRESSED AIR PIPING.

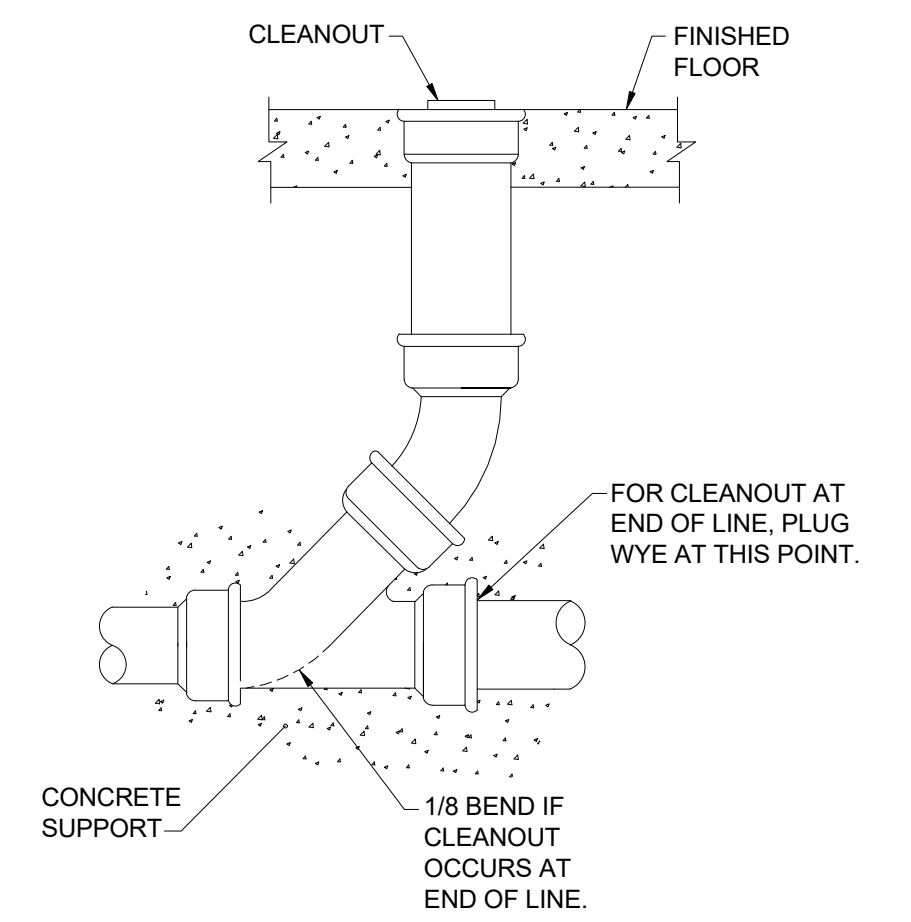


WALL CLEANOUT DETAIL
NOT TO SCALE

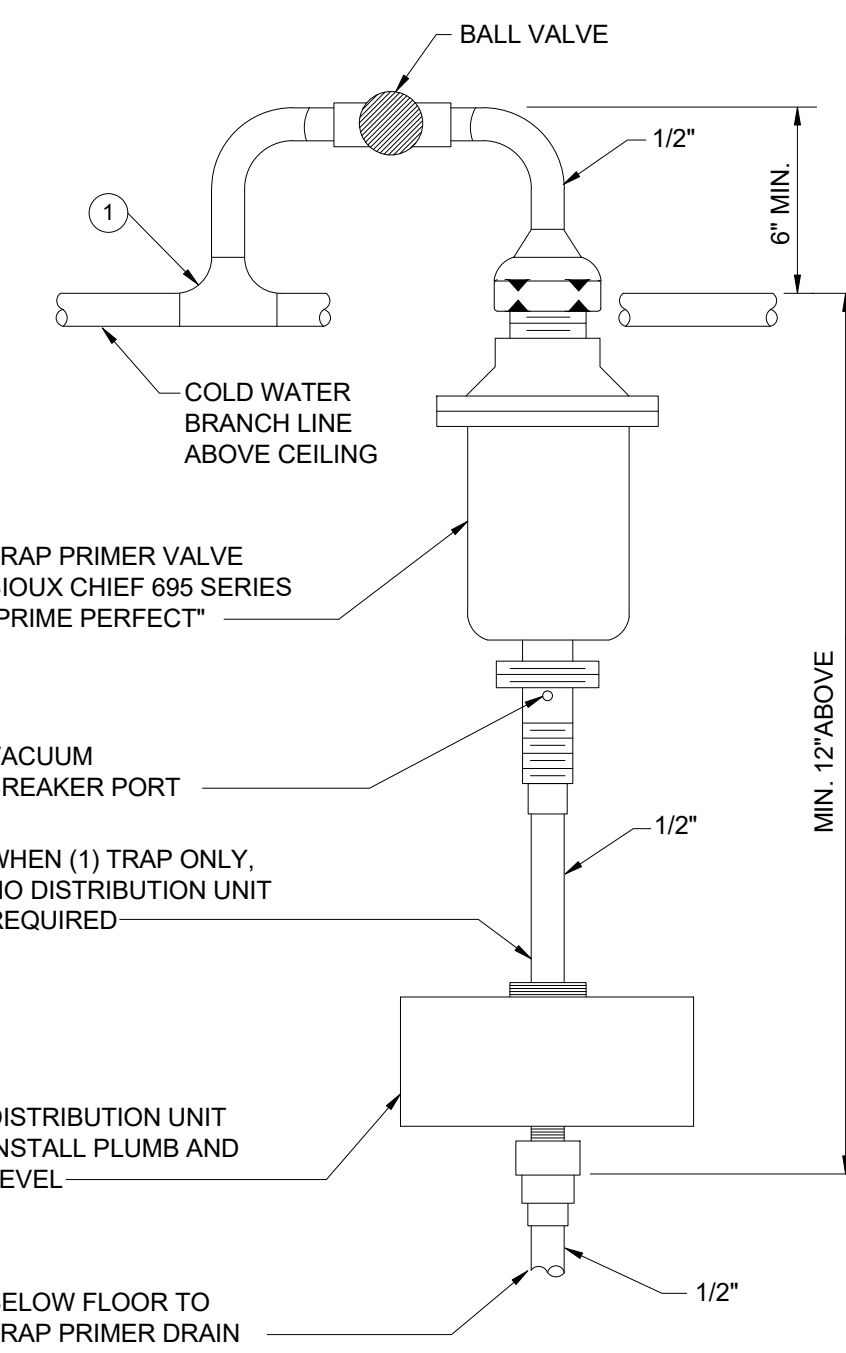
- NOTES:**
1. WALL CLEANOUT WILL BE LOCATED 24" ABOVE FINISH FLOOR UNLESS NOTED OTHERWISE ON PLANS.
 2. PLUG PIPE IF WALL CLEANOUT AT END OF LINE.



GRADE CLEANOUT
NOT TO SCALE

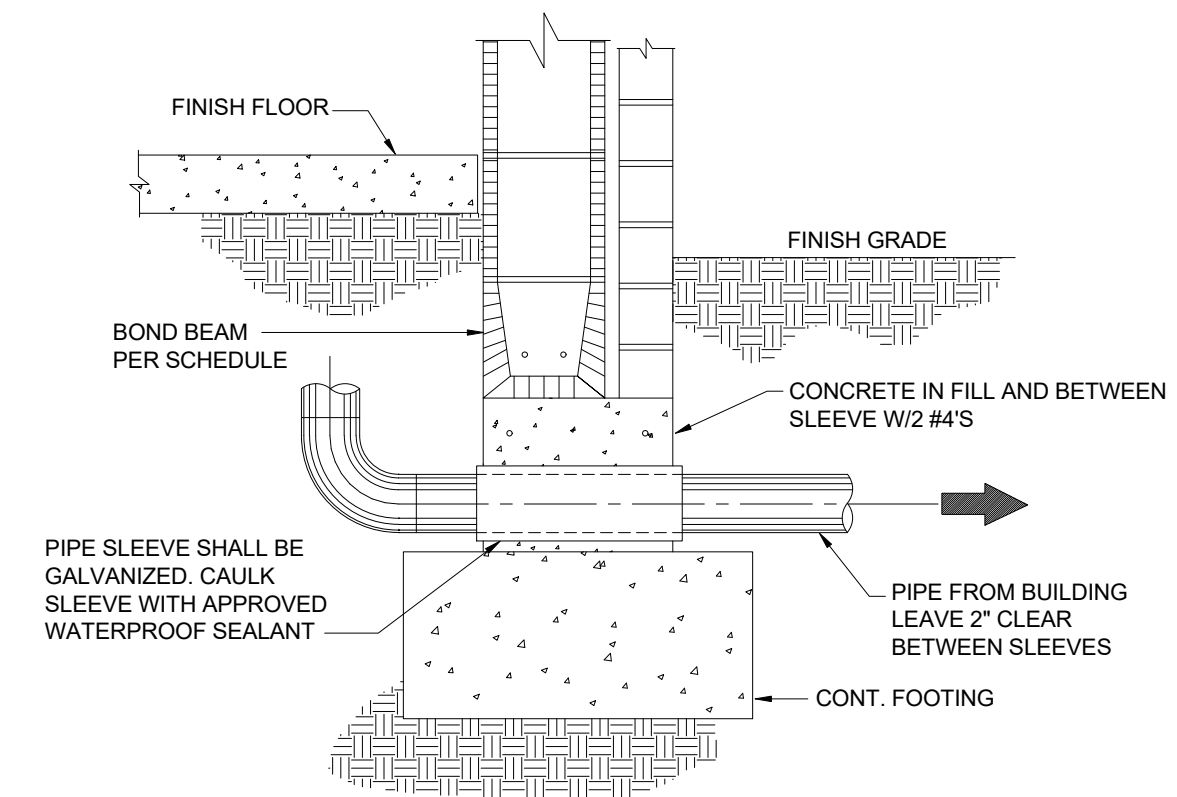


FLOOR CLEANOUT
NOT TO SCALE

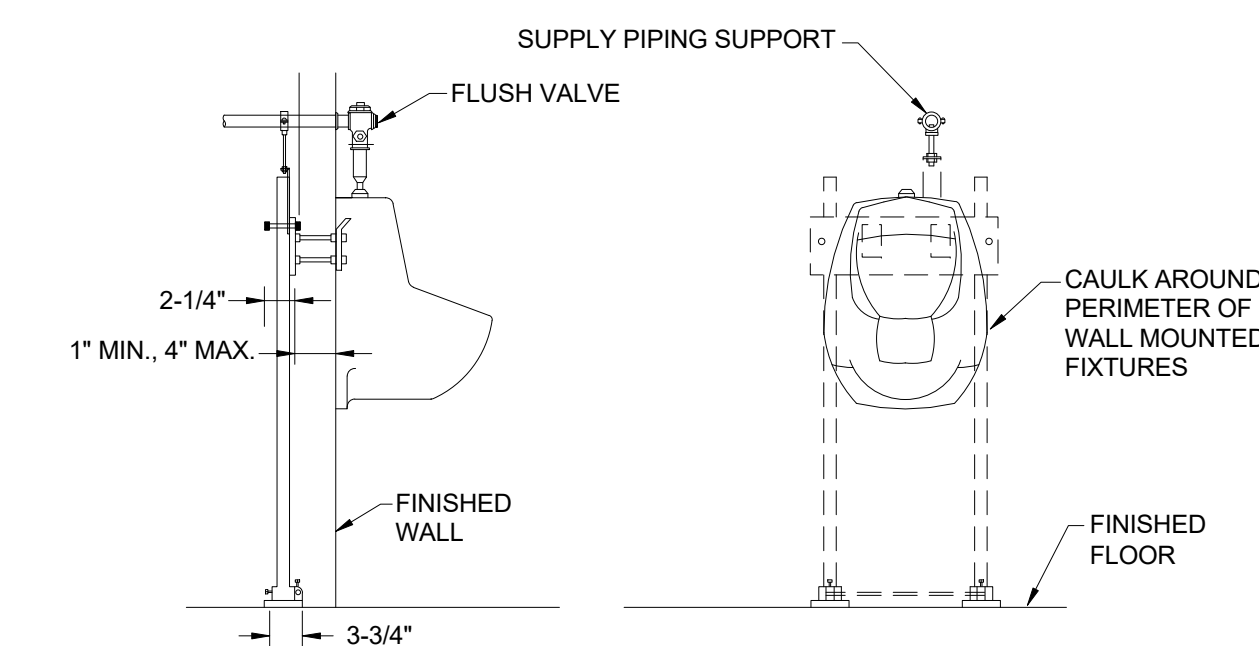


- NOTES:**
1. CONNECT PRIMER LINE TO TOP OF COLD WATER LINE. TRAP PRIMER MUST BE INSTALLED ON A COLD WATER LINE OF 1-1/2" DIAMETER OR LESS.
 2. PROVIDE ACCESS PANEL IN CEILING IF NOT INSTALLED ABOVE LAY-IN CEILING. COORDINATE WITH ARCHITECT FOR EXACT LOCATION.

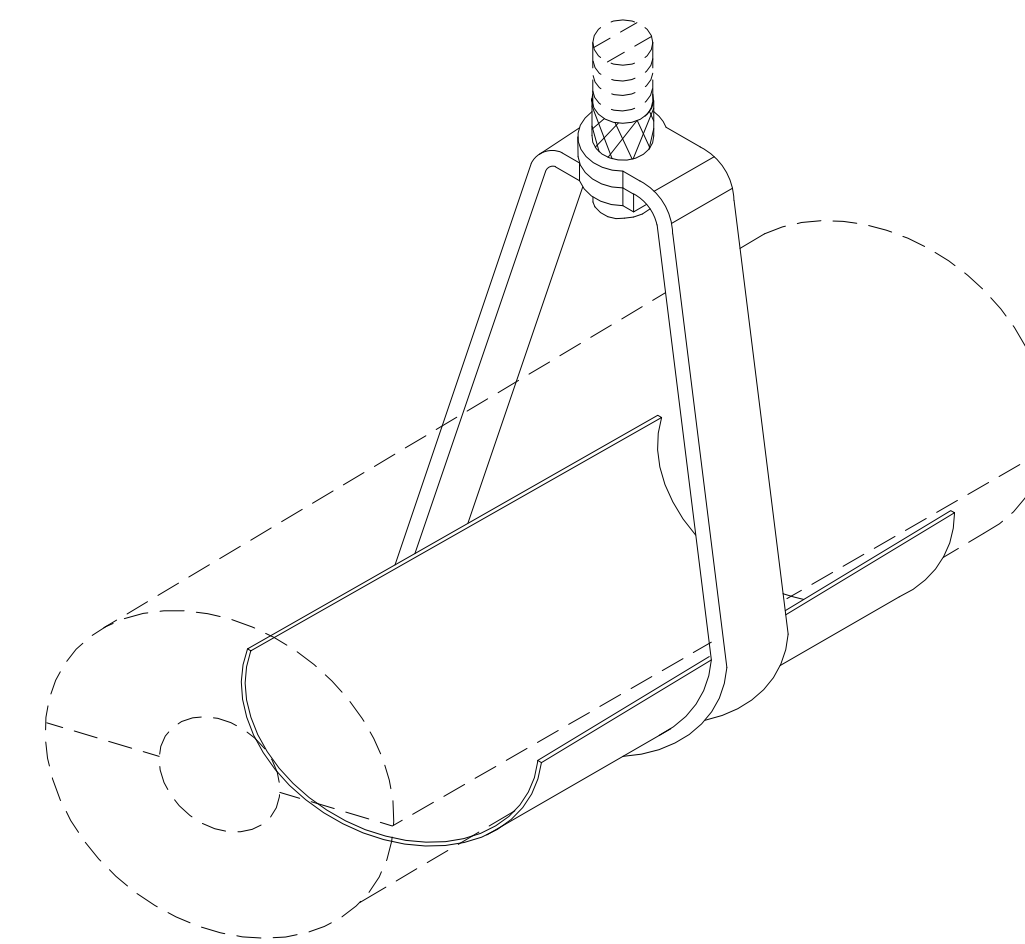
TRAP PRIMER
NOT TO SCALE



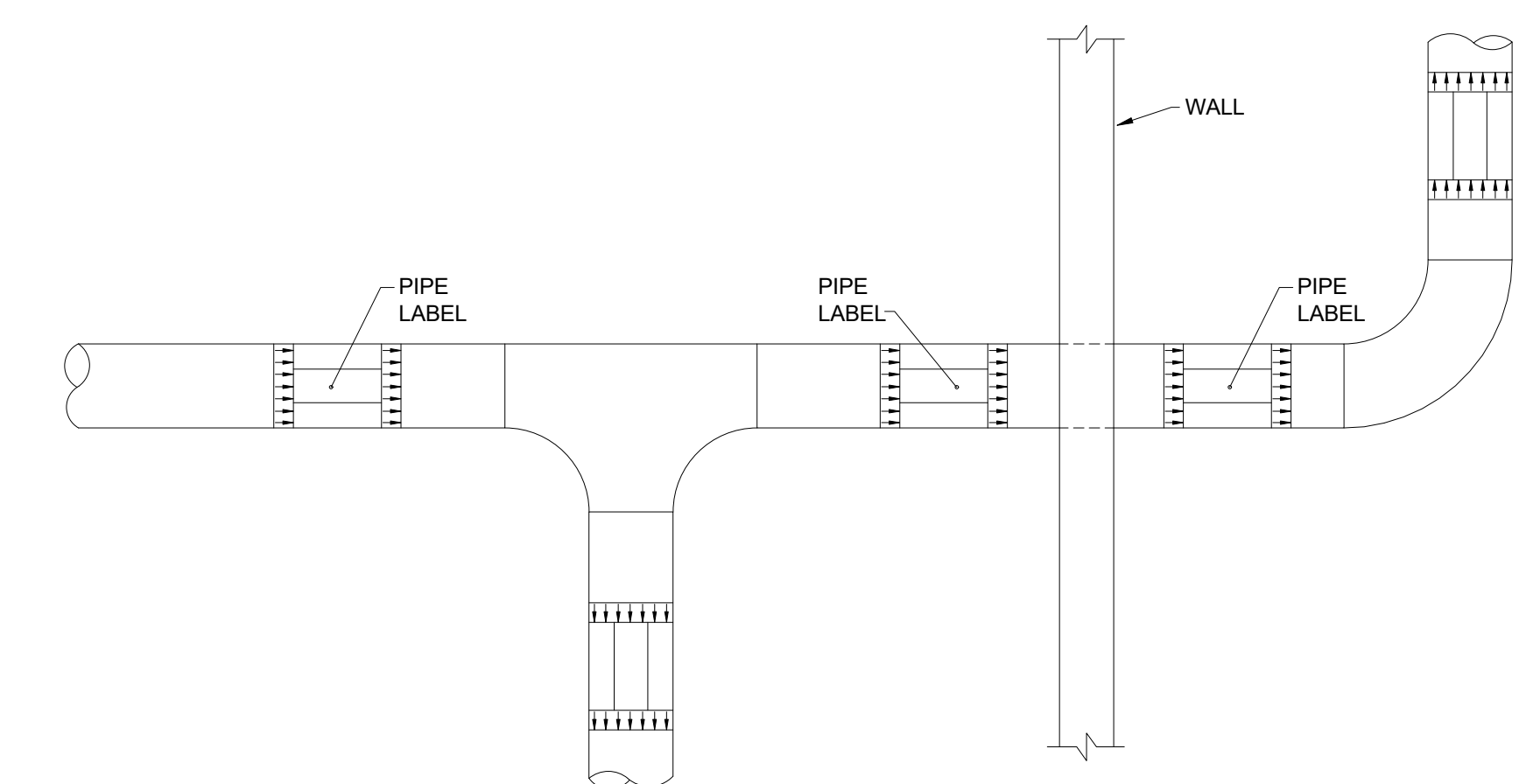
ABOVE FOOTING PIPING DETAIL
NOT TO SCALE



TYPICAL URINAL SUPPORT
NOT TO SCALE

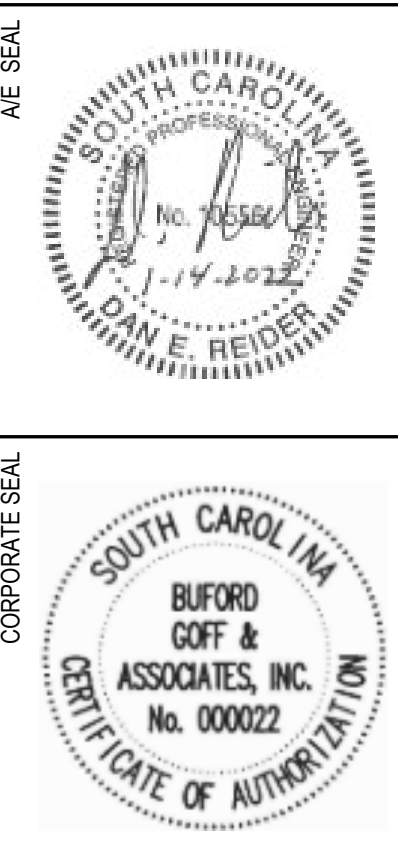


SWIVEL LOOP HANGER WITH INSULATION SHIELD
5/00 NOT TO SCALE P5123



- NOTES:**
1. SERVICE LABEL SHALL BE ON FRONT AND BACK OF PIPE (TEN FEET AND LESS A.F.F.) AND BOTTOM AND TOP OF PIPE (MORE THAN TEN FEET A.F.F.).
 2. MAXIMUM SPACING SHALL BE TWENTY FEET ON CENTER. MINIMUM ONE PER ROOM.
 3. LABEL PIPING AT EVERY CHANGE OF DIRECTION.

PIPING IDENTIFICATION DETAIL
P5910 NOT TO SCALE



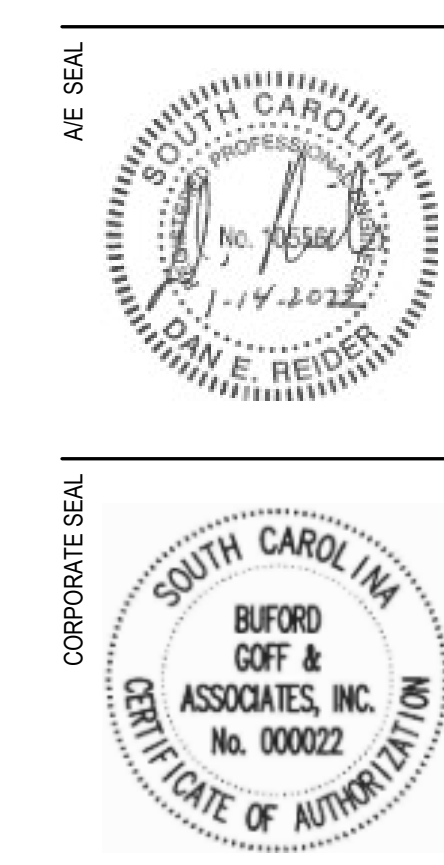
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REVISION **DATE**

TITLE
PLUMBING DETAILS



PROJECT TITLE
**HGTC - DIESEL ENGINE TRAINING FACILITY
INTERIOR RENOVATION**
HARRY-GEORGETOWN TECHNICAL COLLEGE
470 ALLED DR., CONWAY, SC

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STATE PROJECT NO. H59-N134-MAJ
REVISION DATE

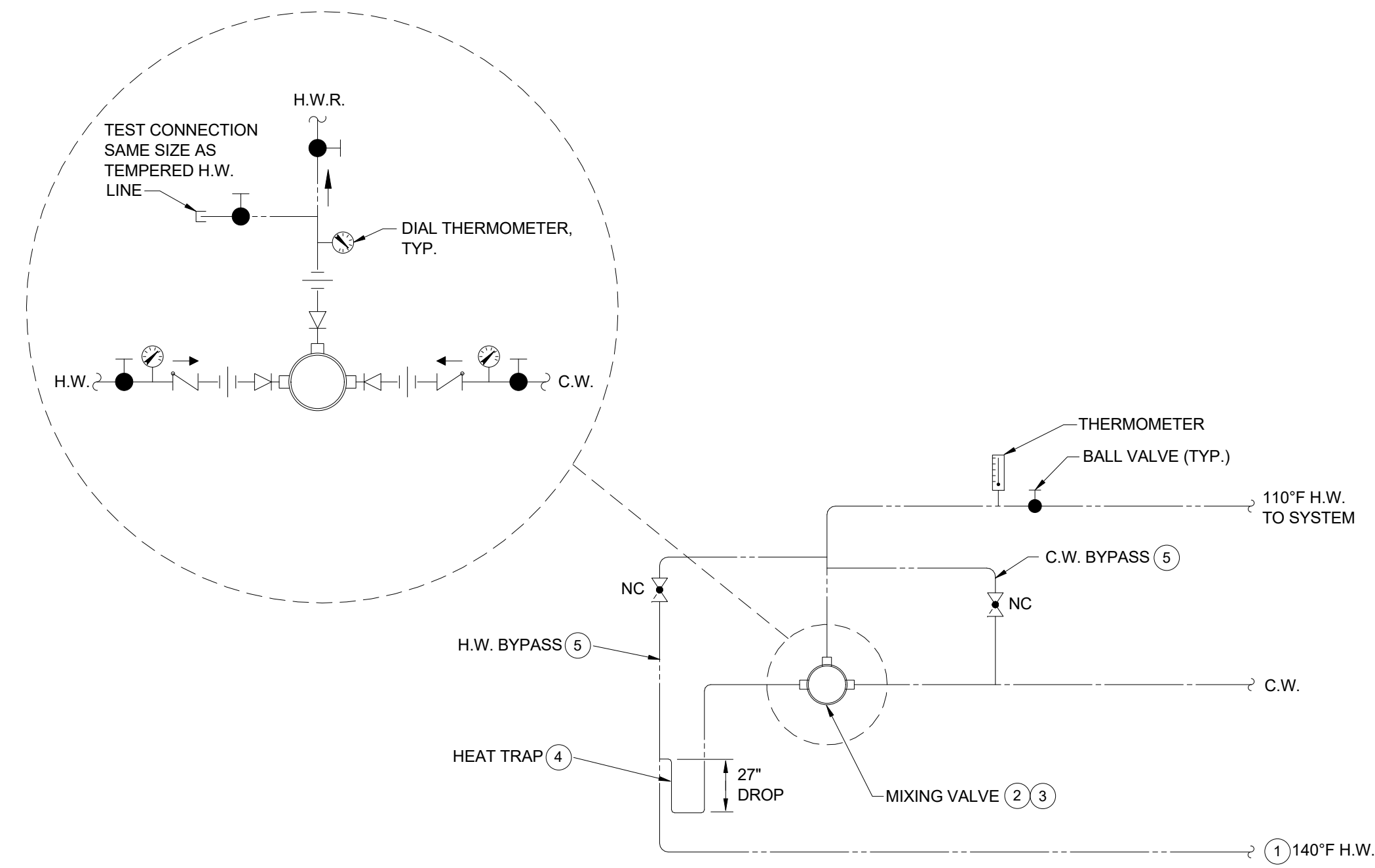
TITLE
PLUMBING DETAILS
SHEET NO. **P-003**

| WATER HEATER # | LOCATION | NOMINAL CAPACITY * | SIZE | GAS | | | OUTLET TEMP | RECOVERY | | PIPE SIZES (IN) | | | FLUE DIA. (IN) | EXP. TANK (Y/N) | MIXING VALVE (Y/N) | RECIRC PUMP (Y/N) | BURNER HP | ELECT. VOLT/PH | MANUFACTURER AND MODEL | REMARKS |
|----------------|------------|--------------------|----------------|-----------|------------|---------|-------------|----------|-----|-----------------|------|------|----------------|-----------------|--------------------|-------------------|-----------|----------------|------------------------|-----------|
| | | | | CFH INPUT | MBH OUTPUT | IN WVG | | T RISE | GPH | CW | HW | HWR | | | | | | | | |
| WH-1 | RISER B102 | 0 | 18.5x26.4x11.4 | 199.00 | 189.000 | 3.5-10" | 140" | - | - | 3/4" | 3/4" | 3/4" | 2" | Y | N | Y | 1/3 | 110V | RINNAI MODEL CU199N | (1)(2)(3) |
| WH-2 | RISER B102 | 0 | 18.5x26.4x11.4 | 199.00 | 189.000 | 3.5-10" | 140" | - | - | 3/4" | 3/4" | 3/4" | 2" | Y | N | Y | 1/3 | 110V | RINNAI MODEL CU199N | (1)(2)(3) |

* ACTUAL CAPACITY SHALL BE WITHIN 5% OF NOMINAL CAPACITY FOR CAPACITIES LARGER THAN 80 GALLONS.

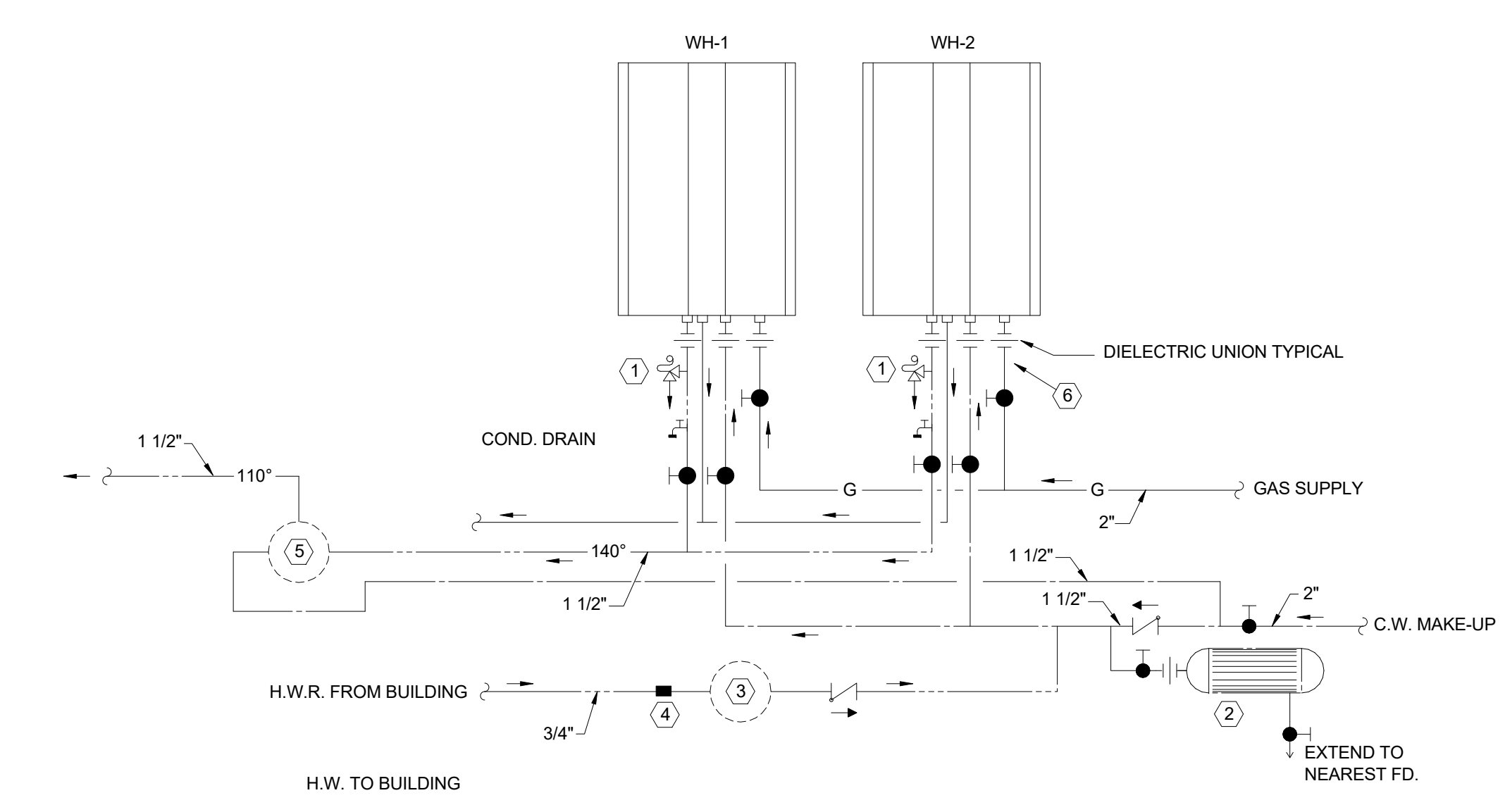
(1) WALL MOUNTED
(2) DIRECT VENT & INTAKE PROVIDED BY WATER HEATER MANUFACTURER. REFER TO DRAWINGS FOR ROUTING
(3) WATER HEATER SHALL BE EQUIPPED WITH CONDENSATION NEUTRALIZATION KIT. RUN DRAIN LINE FROM WATER HEATER TO NEUTRALIZATION KIT AND FULL SIZE NEAREST FLOOR DRAIN

P5000B



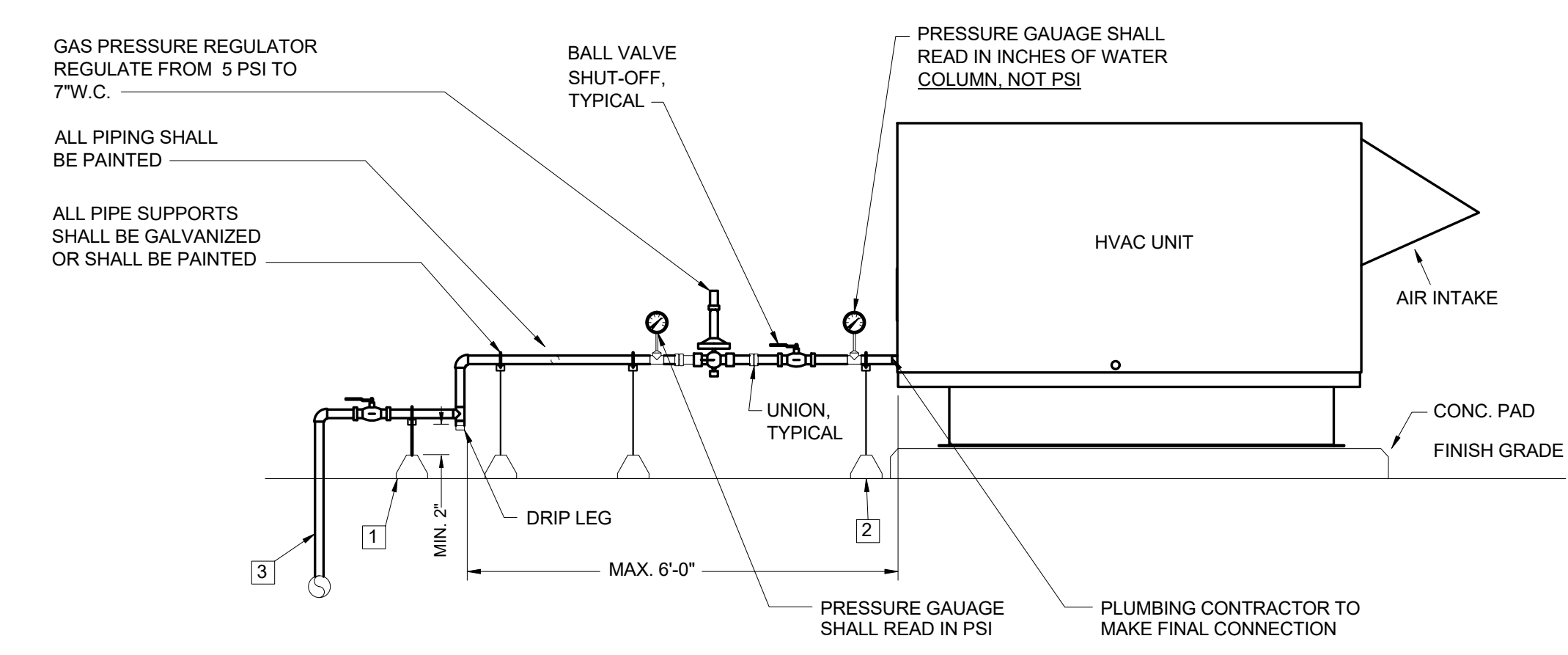
- NOTES:**
- CONNECT AFTER ALL WATER HEATERS.
 - SCHEMATIC IS INTENDED TO SHOW GENERAL PIPE ROUTING, GAUGES, VALVES AND ACCESSORIES FOR A TYPICAL MIXING VALVE INSTALLATION AND MINIMUM STANDARDS (I.E. SHUT-OFF VALVES, THERMOMETER, ETC.) CONTRACTOR SHALL INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, AND INCLUDE ACCESSORIES INDICATED IN THIS SCHEMATIC.
 - MIXING VALVE SHALL BE MOUNTED TO PERMIT ACCESS TO VALVE FOR ADJUSTMENTS. LOCATE 6'-0" ABOVE FLOOR UNLESS REQUIRED OTHERWISE BY MANUFACTURER.
 - PROVIDE HEAT TRAP OF SIZE AND LOCATION AS RECOMMENDED BY MANUFACTURER.
 - BYPASS ONE SIZE SMALLER THAN H.W. AND C.W. SIZE.

MIXING VALVE PIPING SCHEMATIC
NOT TO SCALE



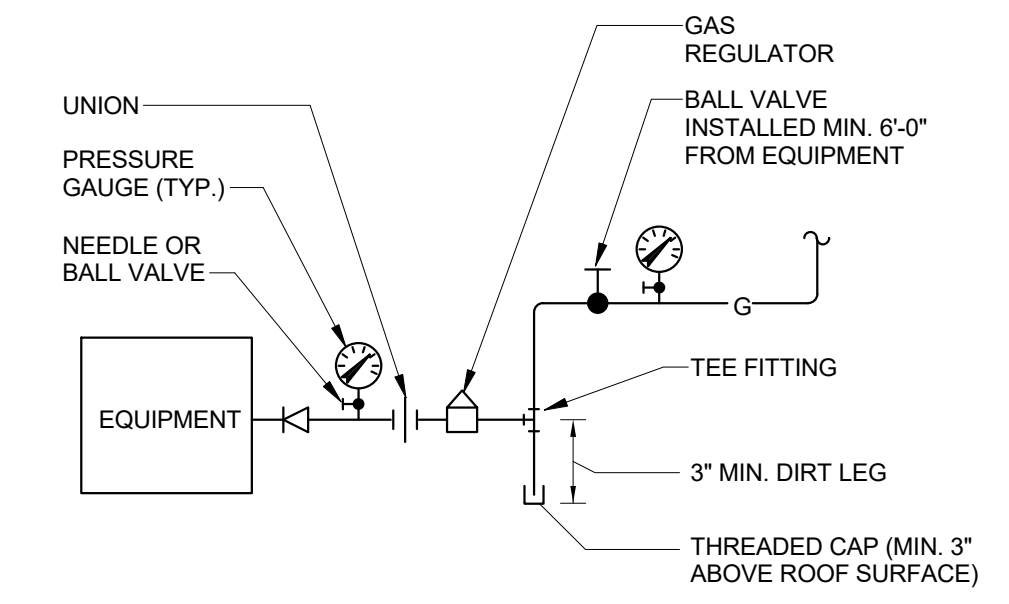
- T & P RELIEF VALVE. PIPE TO NEAREST FLOOR DRAIN.
- EXPANSION TANK. SUPPORT EXPANSION TANK FROM STRUCTURE ABOVE. SEE SCHEDULE ON THIS SHEET.
- RECIRC. PUMP SHALL BE BELL & GOSSET SERIES PL-36 PUMP. 5.0 GPM, 32 FT. HEAD, 1/6 HP, 3300 RPM ALL BRONZE CONSTRUCTION. SUPPORT REC. PUMP INDEPENDENTLY FROM PIPING BY ANGLE IRON WALL BRACKETS OR PIPE STAND. SEE DETAIL ON THIS SHEET.
- STRAP-ON AQUASTAT SHALL BE SET FOR 110" (WITH 5' F DIFFERENTIAL).
- MIXING VALVE. REFER TO DETAIL ON THIS SHEET.
- REFER TO EQUIPMENT GAS PIPING DETAIL ON THIS SHEET.

GAS WATER HEATER PIPING DETAIL
NOT TO SCALE
(WH-1, & 2)



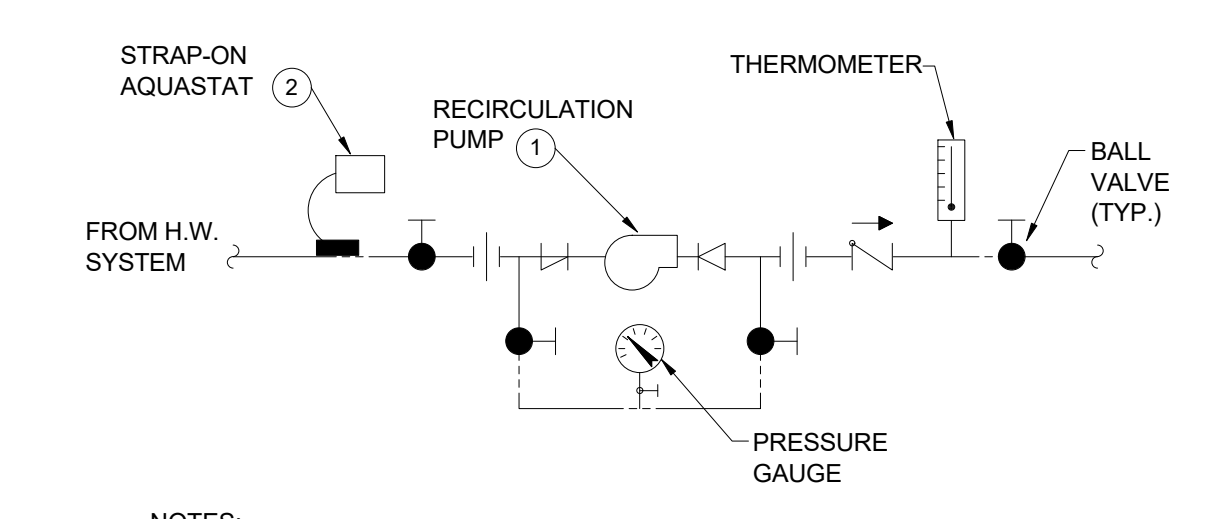
- NOTES:**
- PIPE SUPPORT SHALL BE MIFAB (C-PORT) MODEL C10 OR APPROVED EQUAL. APPROVED MANUFACTURERS ARE MAPA OR PIPE PEIR.
 - PIPE SUPPORT SHALL BE MIFAB (C-PORT) MODEL C10-A, EXTENSION SERIES OR APPROVED EQUAL. APPROVED MANUFACTURERS ARE MAPA OR PIPE PEIR.
 - GAS PIPING UP FROM MAIN

GAS PIPING AND PIPE SUPPORT ON ROOF DETAIL (TO HVAC UNIT)
NOT TO SCALE



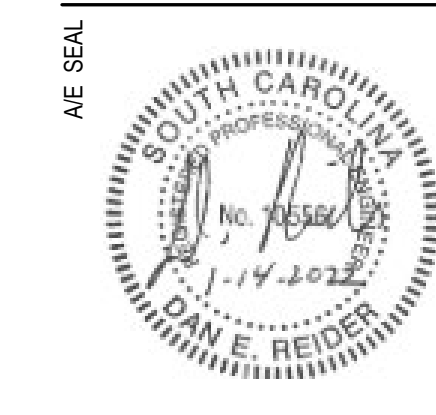
- NOTES:**
- DETAIL INDICATES MINIMUM REQUIREMENTS. VERIFY ADDITIONAL REQUIREMENTS WITH OWNER'S INSURER.
 - IN INSTALLED INSIDE. VENT GAS REGULATOR THROUGH WALL AND IS REQUIRED BY LOCAL CODE AND BUILDING INSURER.

EQUIPMENT GAS PIPING DETAIL
NOT TO SCALE



- NOTES:**
- SUPPORT PUMP INDEPENDENTLY FROM PIPING FROM WALL OR STRUCTURE.
 - COORDINATE LOCATION OF CONTROLLER WITH CONTROL CONTRACTOR.

DOMESTIC WATER RECIRCULATING PUMP DETAIL
NOT TO SCALE



PROJECT TITLE
HGTG - DIESEL ENGINE TRAINING FACILITY
INTERIOR RENOVATION

HORRY-GEORGETOWN TECHNICAL COLLEGE
470 ALLED DR., CONWAY, SC

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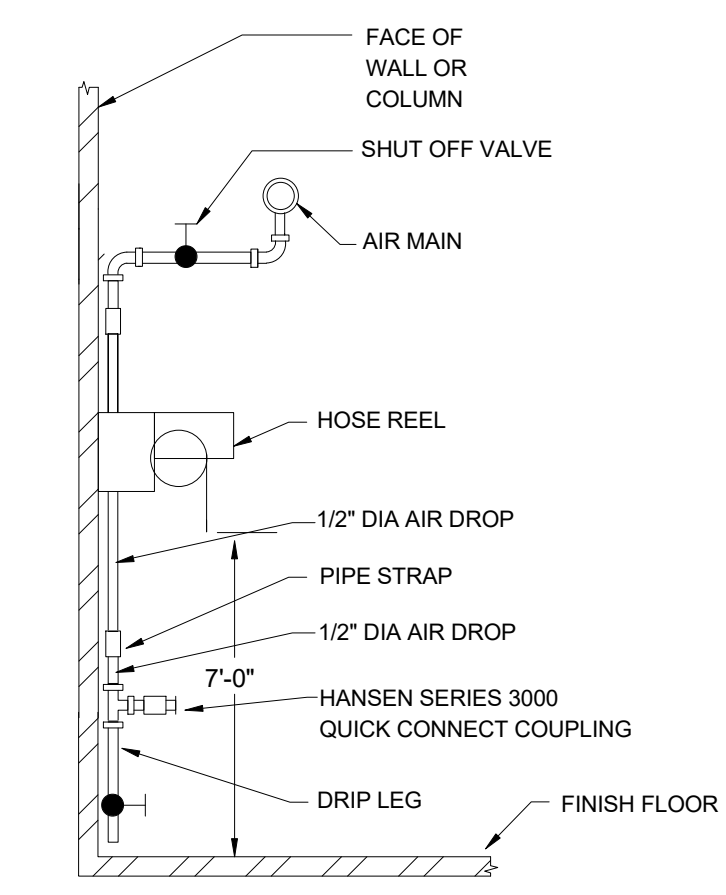
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ISSUE DATE 1.14.2022
PROJECT NO. 21-286-00
STATE PROJECT NO. H59-N134-MAJ

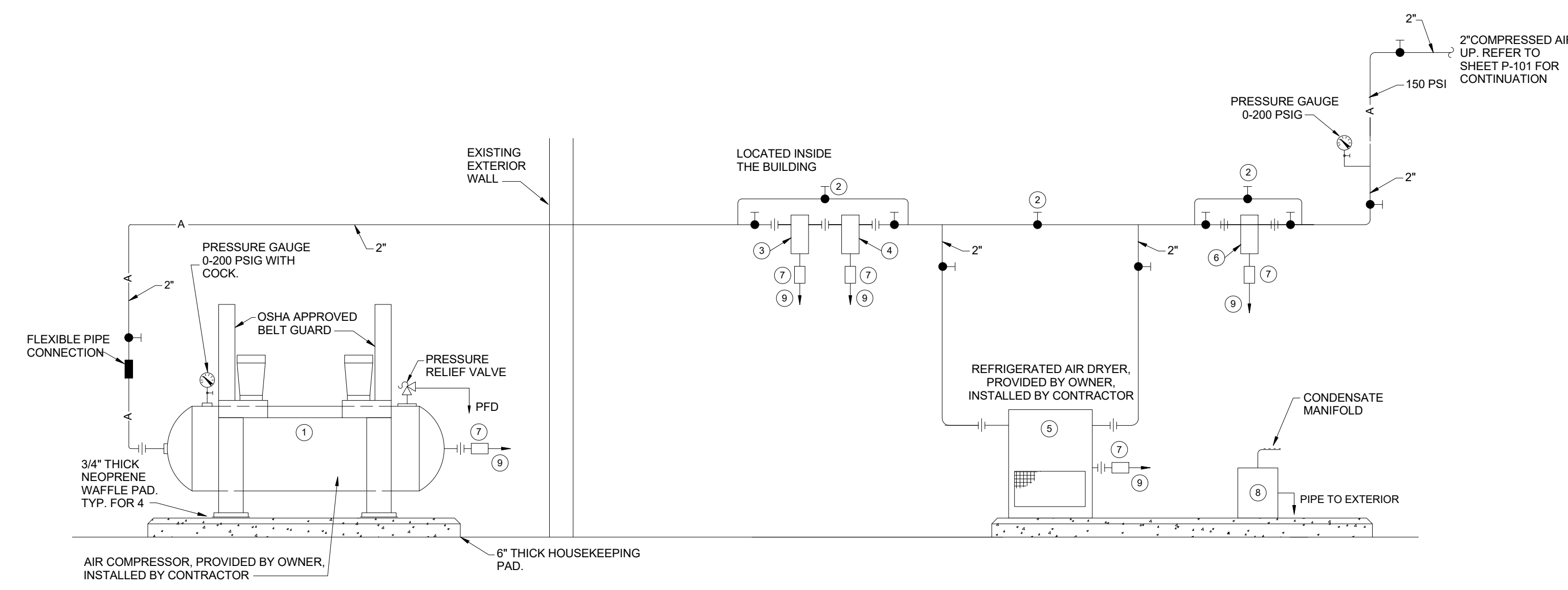
REVISION DATE

TITLE
PLUMBING DETAILS

SHEET NO.
P-004



TYPICAL HOSE REEL STATION & AIR DROP
N.T.S.

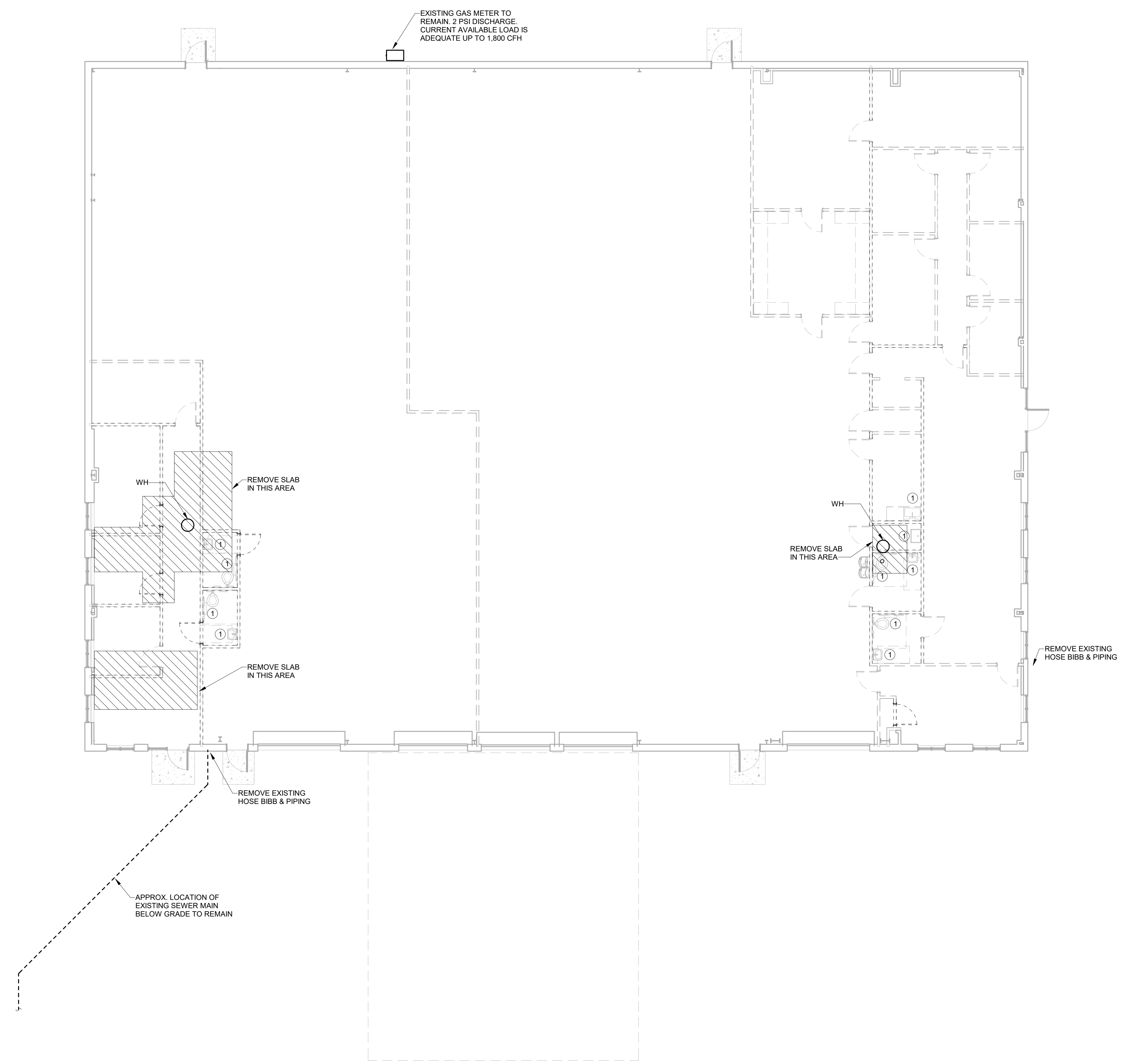


NOTES:

- ① AIR COMPRESSOR: QUINCY MODEL FF5120 DUPLEX RECIPROCATING RATED FOR 100 CFM @ 150 PSI., 200 GALLON HORIZONTAL AIR TANK, TWO STAGE, TWO CYLINDER RECIPROCATING AIR COMPRESSOR, FREE AIR DELIVERY: 100 CFM @ 150 PSIG, (2) 20 HP, 208V/3 PH., DIMENSIONS: 77.1 x 59.5/19" x 71.45" H. WEIGHT: 3,750 COMPLETE WITH MAGNETIC STARTER, ELECTRIC DRAIN, DUAL CONTROL WITH CENTRIFUGAL UNLOADER, AIR COOLED AFTERCOOLER AND LOW OIL LEVEL SWITCH.
- ② BYPASS VALVE (N.C.)
- ③ WATER SEPARATOR: DOMINICK HUNTER MODEL WS200 OR EQUAL.
- ④ COALESCING FILTER (DOWN TO 1 MICRON) WITH PRESSURE DIFFERENTIAL INDICATORS EQUAL TO QUINCY MODEL CSNT00125
- ⑤ REFRIGERATED AIR DRYER: QUINCY MODEL QPNC-125, CYCLING REFRIGERATED AIR DRYER, 100 CFM @ 150 PSIG, 120V/1 PH., DIMENSIONS: 22.6" W x 18" D x 41" H. WEIGHT: 150 LBS.
- ⑥ COALESCING FILTER (DOWN TO 0.01 MICRON) WITH PRESSURE DIFFERENTIAL INDICATORS EQUAL TO QUINCY MODEL CSNT00125
- ⑦ AUTOMATIC DRAIN VALVE (ADV)
- ⑧ OIL WATER SEPARATOR: DOMINICK HUNTER MODEL ES2300 WITH CONDENSATE MANIFOLD FOR CONNECTION TO DRAIN PORTS OR EQUAL. 41" W x 20" x 47" H. WEIGHT: 59 LBS.
- ⑨ CONDENSATE LINE TO BE ONE SIZE LARGER THAN UNIT CONNECTION SIZE. ROUTE TO AND CONNECT TO CONDENSATE MANIFOLD AT OIL WATER SEPARATOR.

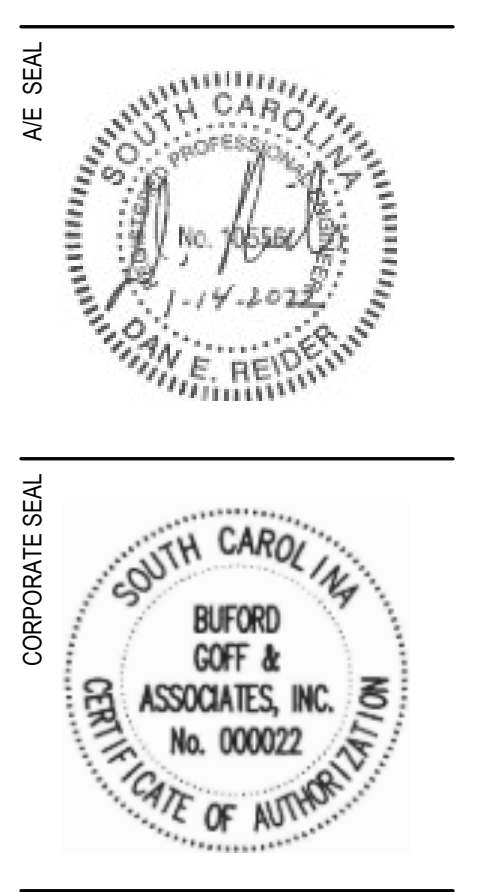
AIR COMPRESSOR PIPING DETAIL
NOT TO SCALE

NOTES:
 ① REMOVE EXISTING FIXTURE & ALL PIPING ABOVE SLAB. CAP WASTE PIPING BELOW SLAB. ABANDON EXISTING WASTE PIPING BELOW SLAB UNLESS NOTED OTHERWISE.



① **FLOOR PLAN - PLUMBING DEMOLITION**
 SCALE: 1/8" = 1'-0"

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PROJECT TITLE
 HGTC - DIESEL ENGINE TRAINING FACILITY
 INTERIOR RENOVATION
 Horry-Georgetown Technical College
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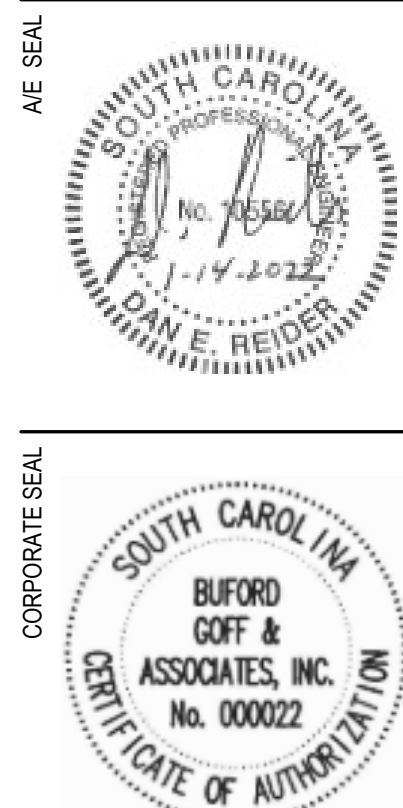
ISSUE DATE 1.14.2022
PROJECT NO. 21.286.00
STATE PROJECT NO. H59-N134-RAJ

REVISION **DATE**

TITLE
 DEMOLITION PLAN - PLUMBING

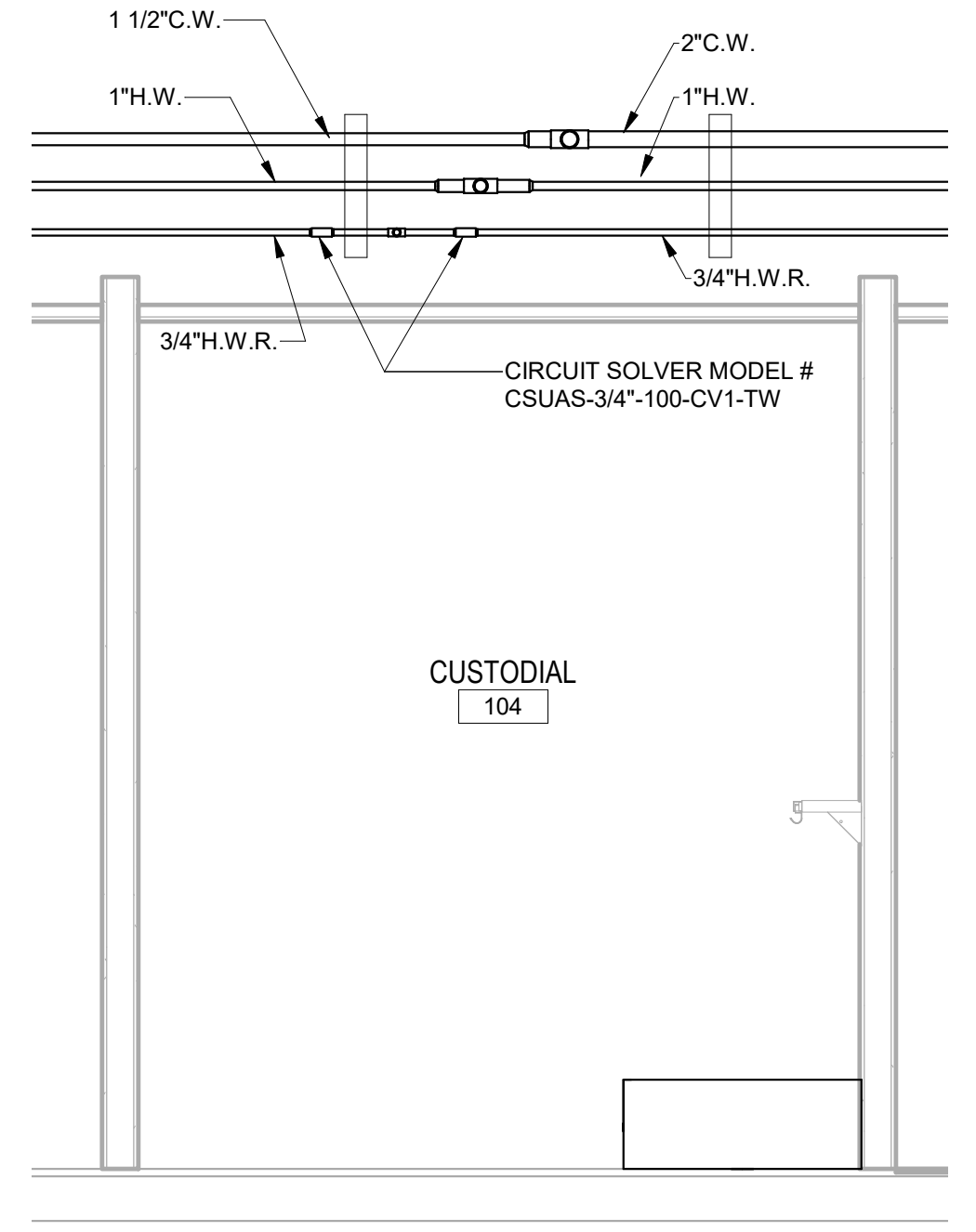
SHEET NO.
 PD-101

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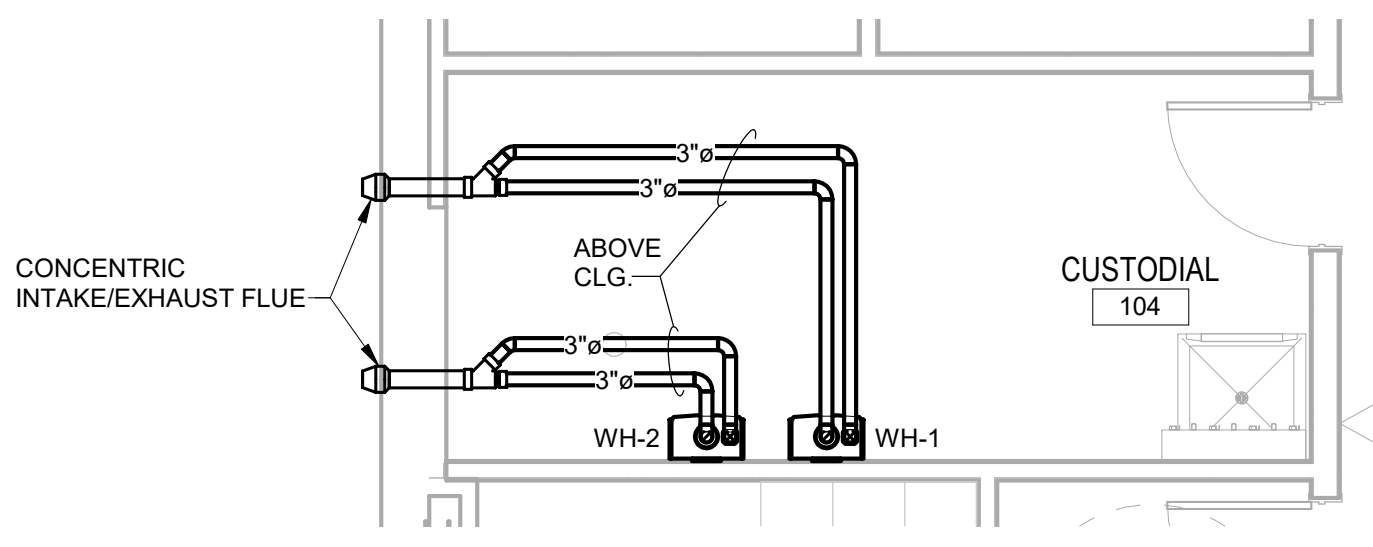


- NOTES:**
- INSTANTANEOUS WATER HEATER
 - 3/4" W. LINE DN.
 - 1/2" W. LINE DN.
 - RUN GAS PIPING THRU EXTERIOR WALL @ 24" A.F.F. PROVIDE PIPE SLEEVE AT WALL PENETRATION. CAULK WATER TIGHT ON BOTH SIDES.
 - RUN 1 1/2" GAS LINE TO WATER HEATERS. REFER TO WATER HEATER PIPING DETAIL ON SHEET P-003.
 - 1 1/2" GAS LINE UP TO 24" ABOVE FINISH GRADE.
 - GAS PIPE SUPPORT (TYP.). REFER TO GAS PIPING TO HVAC UNIT DETAIL ON SHEET P-003.
 - GAS PRESSURE REGULATOR STATION. REFER TO HVAC UNIT GAS PIPING DETAIL ON SHEET P-003.
 - APPROX. LOCATION OF EXISTING GAS METER/REGULATOR TO REMAIN. EXISTING GAS METER DOES ALLOW A MAXIMUM OF 1800 CGH @ 2 PSI.
 - TIE-IN NEW 1 1/2" GAS LINE TO EXISTING GAS METER/REGULATOR ASSEMBLY.
 - 3/4" W. & 3/4" H. W. LINES DN.
 - 1/2" W. & 1/2" H. W. LINES DN.
 - 2" W. LINE DN. & 1" H. W. LINE DN.
 - 2" DOUBLE CHECK VALVE BACKFLOW PREVENTER.
 - PROVIDE REELCRAFT MODEL 5650 OLP-3/8" x 50' PREMIUM DUTY HOSE REEL WITH BUMPER STOP, PIVOT BASE. PROVIDE SWING BRACKET FOR WALL MOUNTED REELS. 3/8" HOSE I.D., 50' LENGTH, SPRING DRIVEN, 300 PSI RATED.
 - PIPES MOUNTED ON WALL:
1 1/2" C.W. APPROX. 11'-6" A.F.F.
1" H.W. APPROX. 11' A.F.F.
3/4" H.W.R. APPROX. 10'-6" A.F.F.
 - 2" COMPRESSED AIR FROM BELOW. VALVE & CAP 2" COMPRESSED AIR LINE 6'-0" A.F.F.
 - REFER TO DETAIL ON SHEET P-004 FOR MORE INFORMATION.
 - 3/4" CA. LINE DN. REFER TO DETAIL ON SHEET P-004.

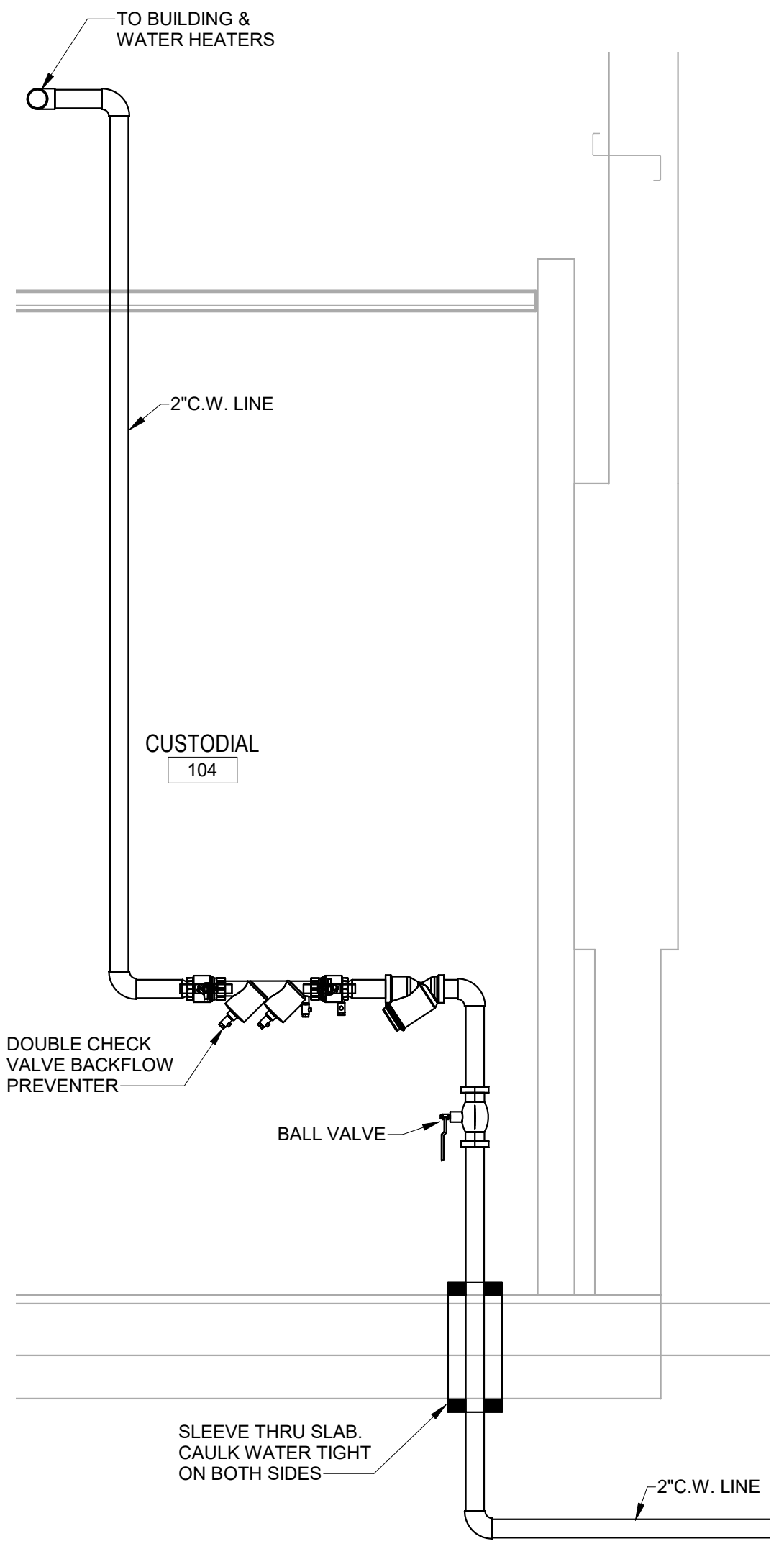
- GENERAL NOTES:**
- COLD AND HOT WATER LINES IN THE AREA OF FIXTURES AND/OR TOILET GROUP SHALL RUN FULL SIZE OF HANGER INDICATED IN WALL AND/OR CHASE. PROVIDE CONNECTION TO FIXTURES, HOSE BIBB AND TRAP PRIMER AS PLUMBING CONNECTION SCHEDULE AND DETAILS INDICATE.
 - ALL SHUT-OFF VALVES UP TO 2 1/2" SHALL BE BALL VALVES.
 - ALL VALVES SHALL BE LOCATED A MAX. 24" ABOVE FINISHED CEILING UNLESS APPROVED BY OWNER.
 - ALL VALVES, SHOCK ABSORBERS ARE TO BE INSTALLED SO THE ARE EASILY ACCESSIBLE.
 - PROVIDE ASSE 1070 APPROVED MIXING VALVE AT P-3, P-3A & P-3B FIXTURES.
 - ALL SUPPLY PIPING SHALL BE SCHEDULE 80 CPVC. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.



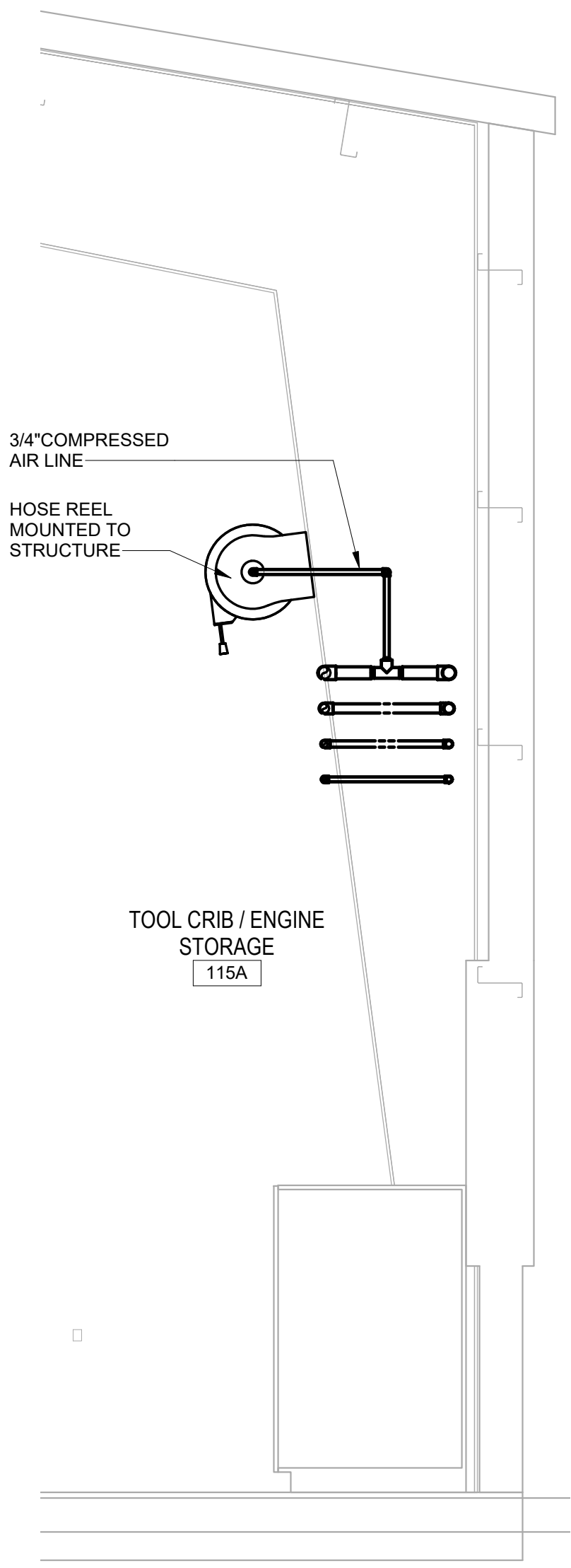
2 **CIRCUIT SOLVER DETAIL (CUSTODIAL 104)**
P-101 SCALE: 1/2" = 1'-0"



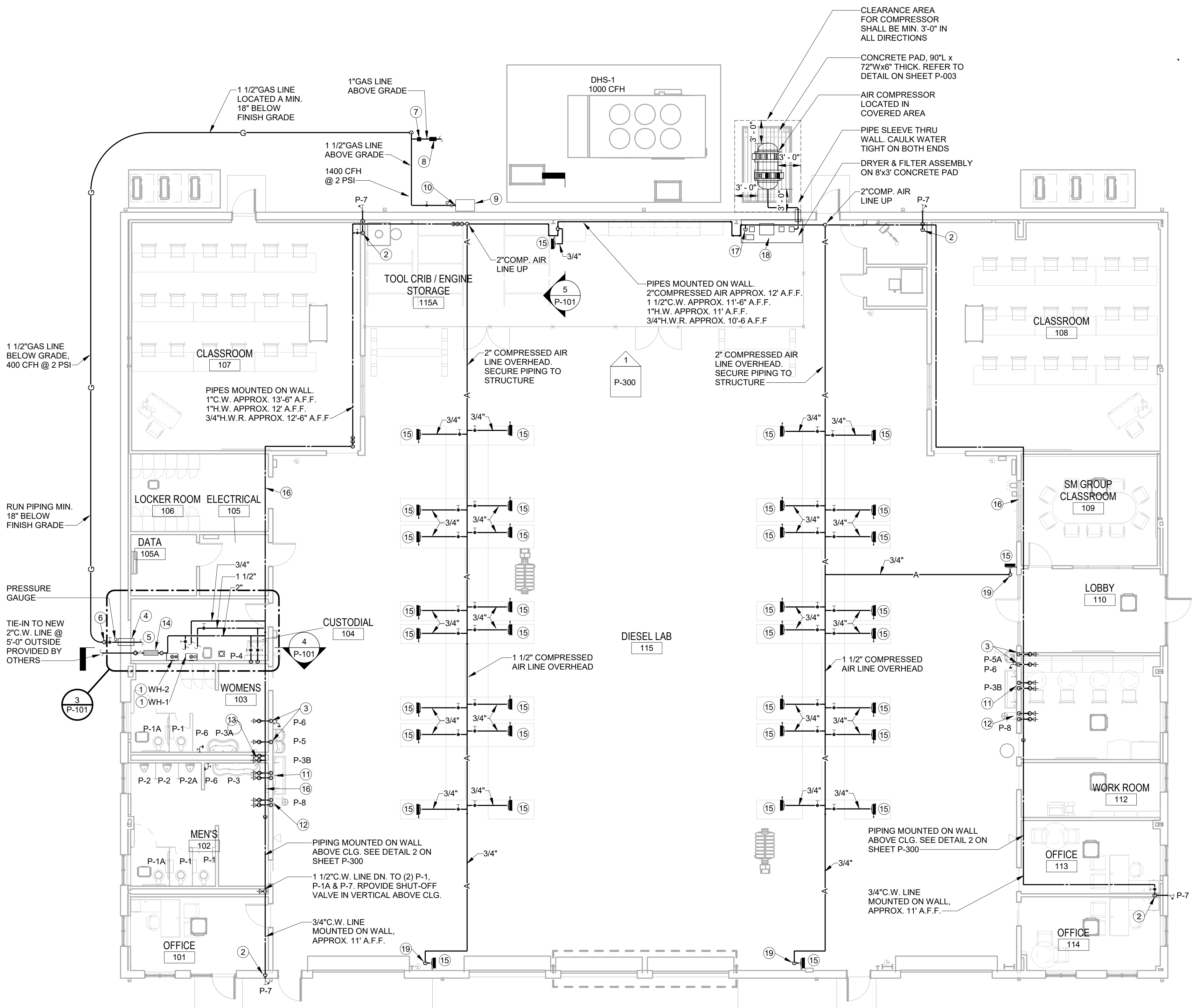
3 **WATER HEATER EXHAUST/INTAKE FLUE PLAN**
P-101 SCALE: 1/4" = 1'-0"



4 **BACKFLOW PREVENTER DETAIL**
P-101 SCALE: 3/4" = 1'-0"

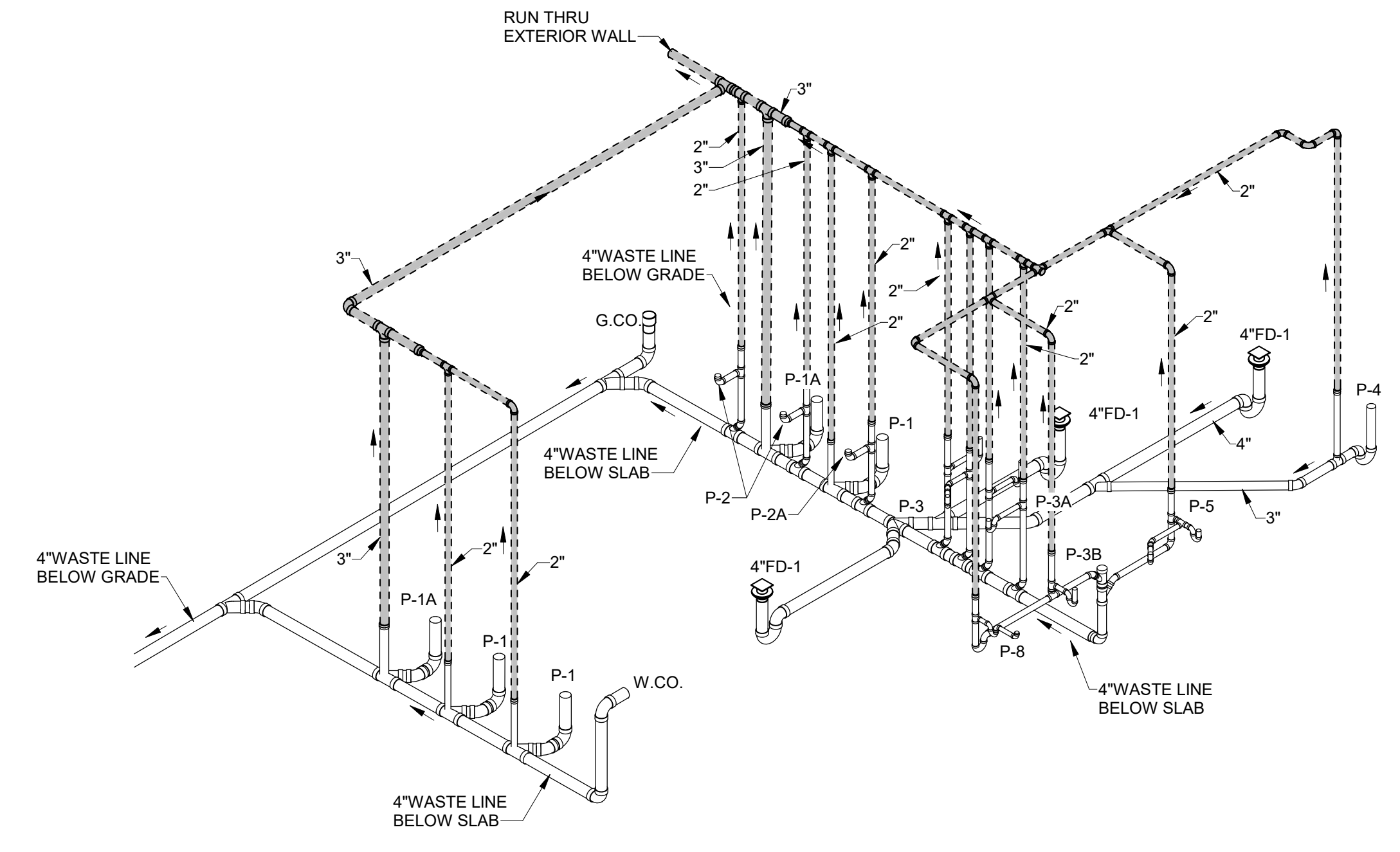


5 **HOSE REEL ON VERTICAL WALL**
P-101 SCALE: 1/2" = 1'-0"

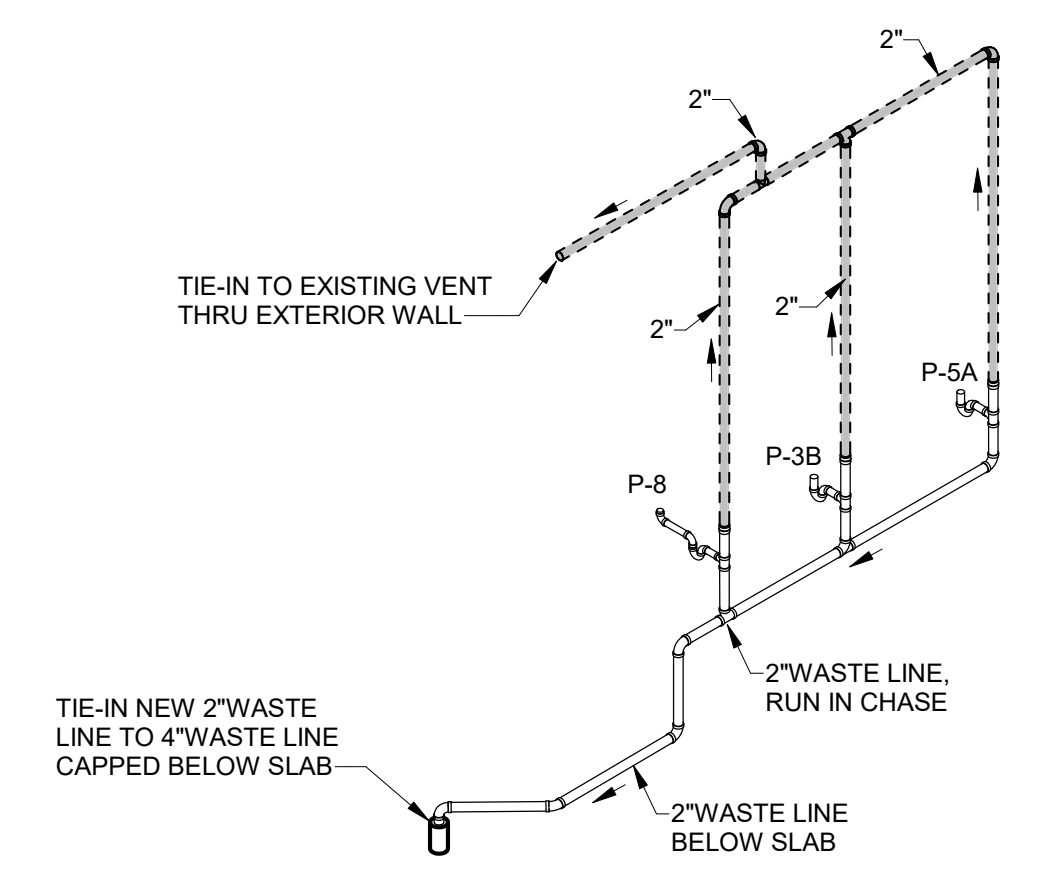


1 **FLOOR PLAN - PLUMBING RENOVATION -
PLUMBING - SUPPLY**
P-101 SCALE: 1/8" = 1'-0"

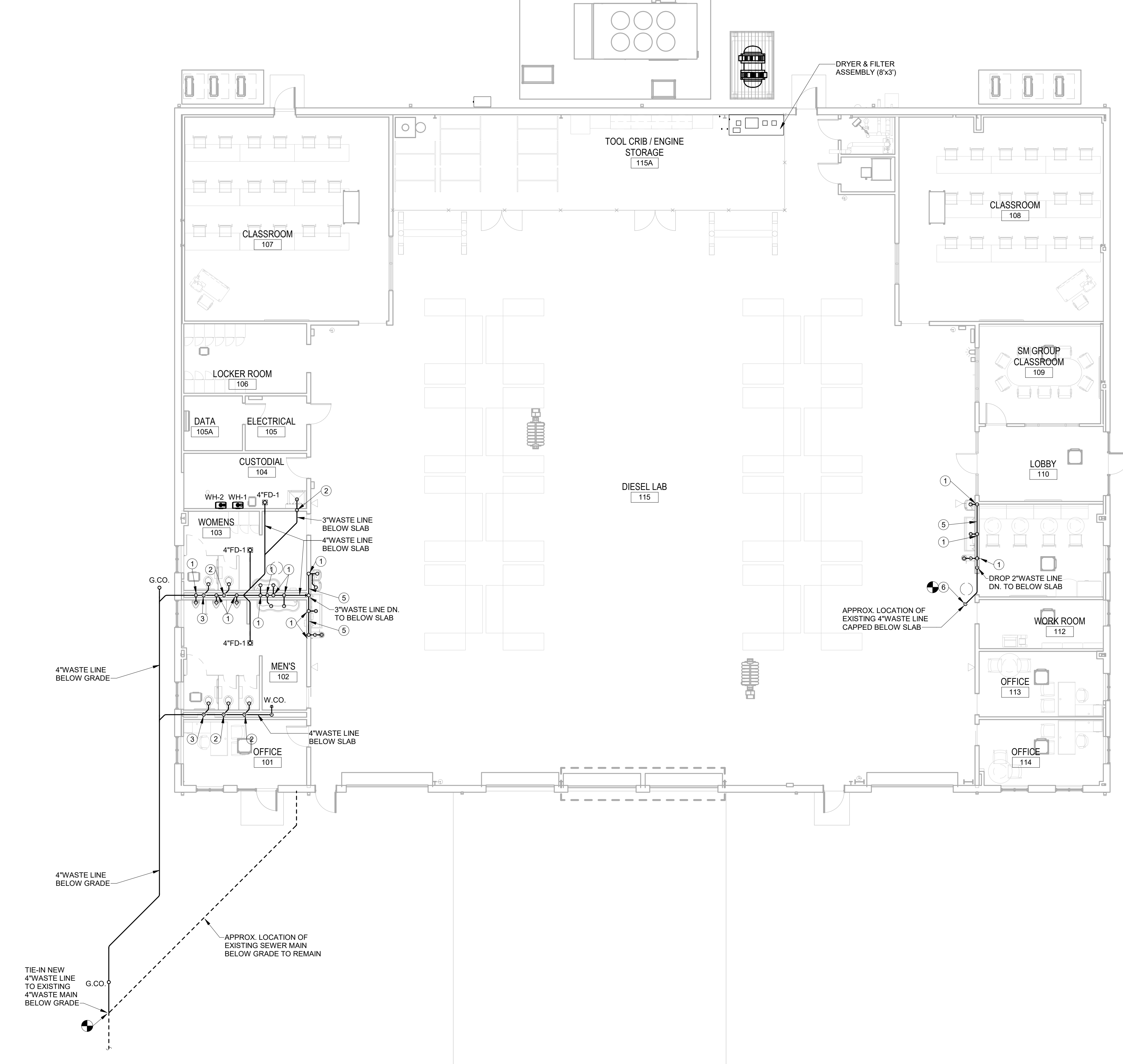
- NOTES:**
- 2"WASTE LINE DN. & 2"VENT LINE UP.
 - 2"VENT LINE.
 - 3"VENT LINE UP THRU ROOF.
 - 3"WASTE LINE DN. & 3"VENT LINE UP.
 - RUN 2"WASTE LINE IN CHASE.
 - TIE-IN NEW 2"WASTE LINE TO EXISTING 4"WASTE LINE CAPPED BELOW SLAB.
- GENERAL NOTES:**
- PROVIDE TRAP SEAL PROTECTION DEVICE IN ALL FLOOR DRAINS, REFER TO SPECIFICATIONS FOR MORE INFORMATION.
 - FOR PWS REFER TO SHEET P-101.
 - FOR VENT PIPING REFER TO SHEET P-200.



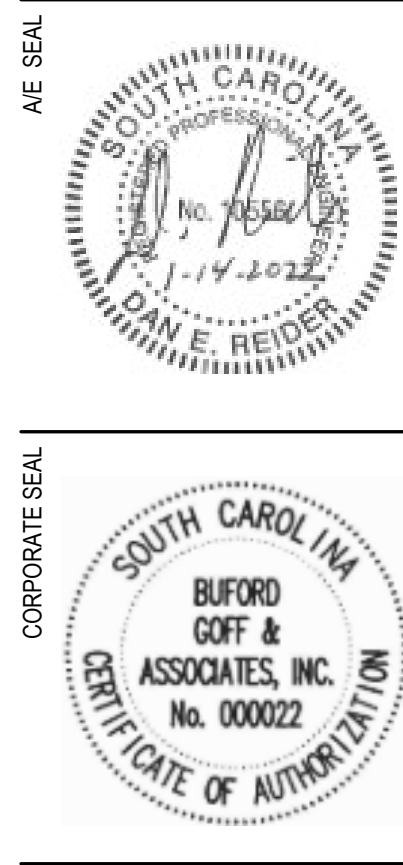
2 PLUMBING RISER
P-101A SCALE:



3 PLUMBING RISER (CONT'D)
P-101A SCALE:



1 FLOOR PLAN - PLUMBING RENOVATION - PLUMBING - WASTE/VENT
P-101A SCALE: 1/8" = 1'-0"



PROJECT TITLE
**HGTC - DIESEL ENGINE TRAINING FACILITY
INTERIOR RENOVATION**

HORRY-GEORGETOWN TECHNICAL COLLEGE
470 ALLEED DR., CONWAY, SC

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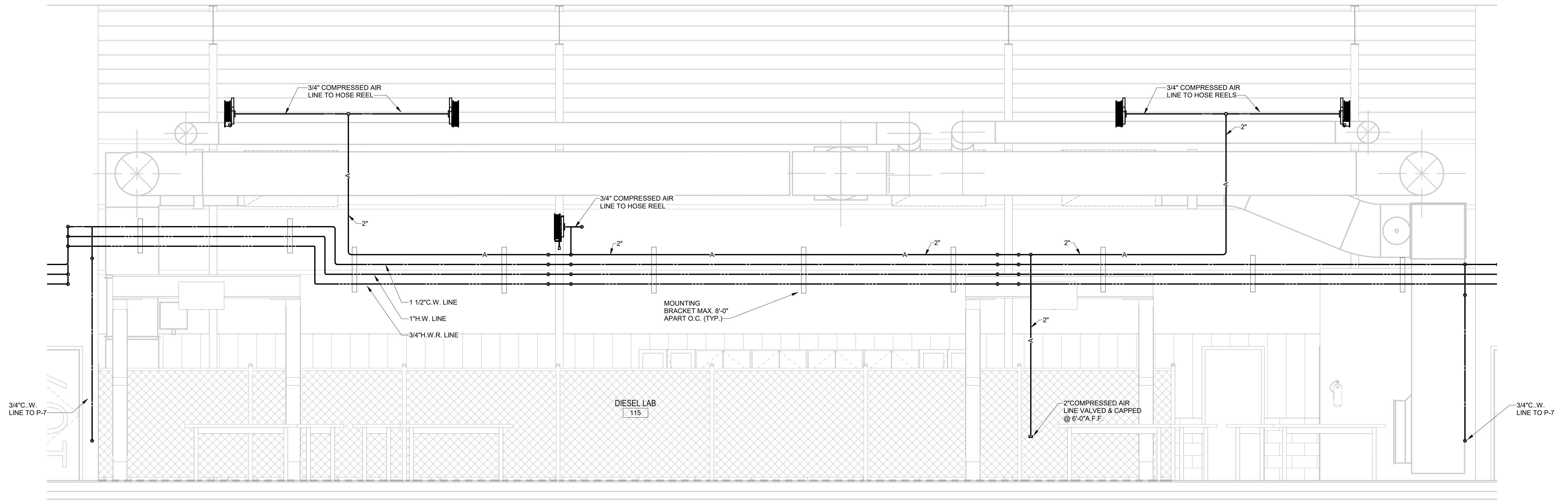
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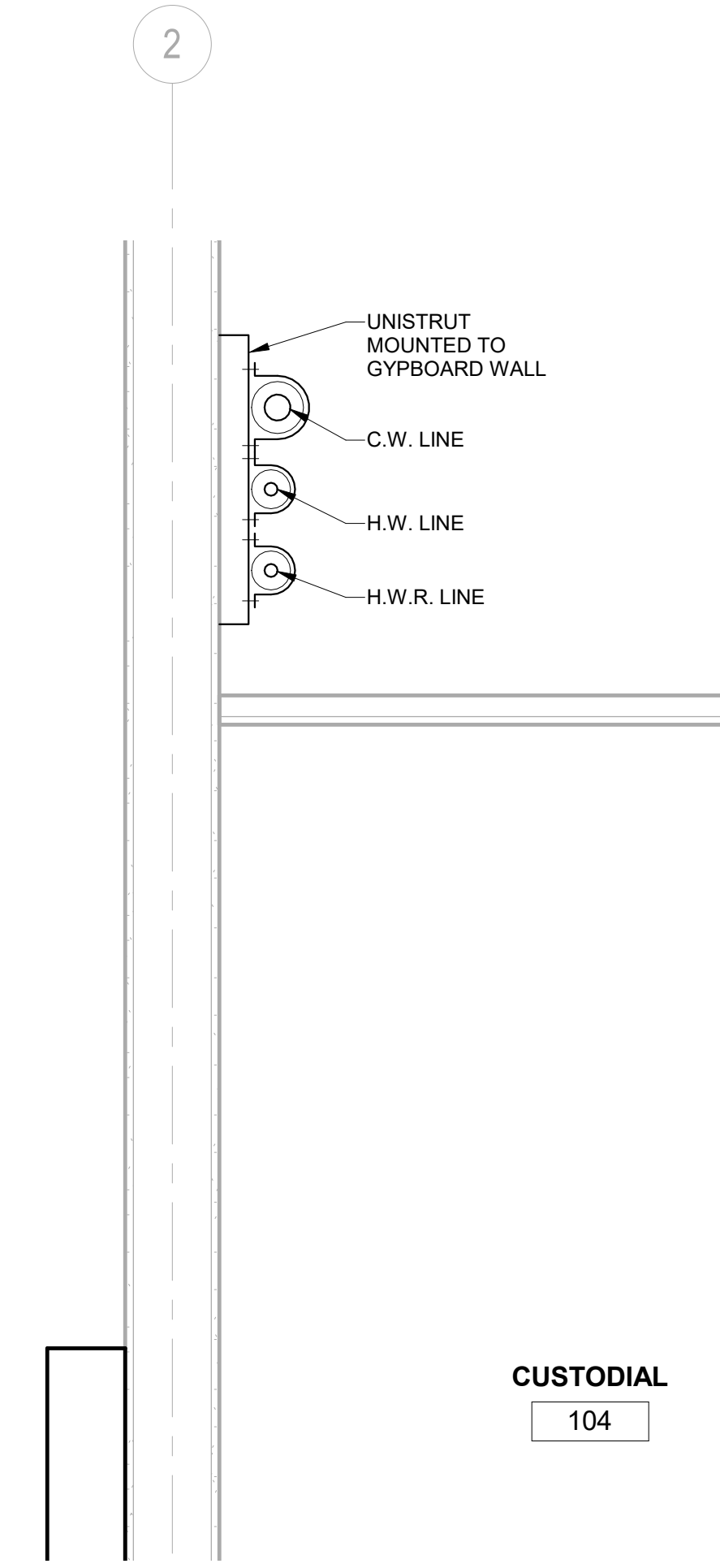
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TITLE
FLOOR PLAN - PLUMBING - WASTE/VENT

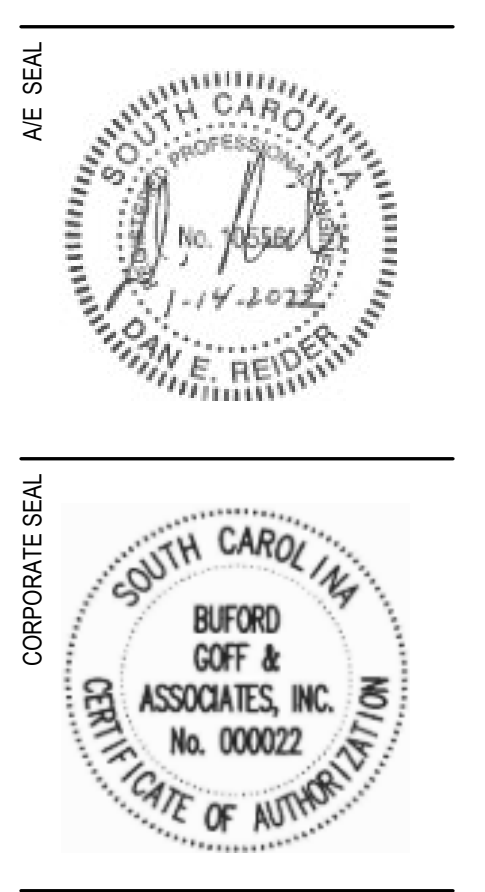
SHEET NO.
P-101A



1 Elevation 1 - a
 P-300 SCALE: 3/8" = 1'-0"



2 PIPE MOUNTING ON WALL (TYP.)
 DIESEL LAB 115 CUSTODIAL 104
 P-300 SCALE: 1" = 1'-0"



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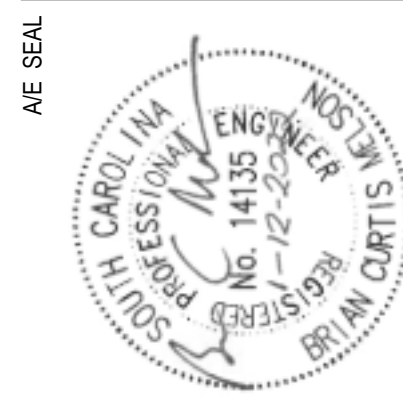
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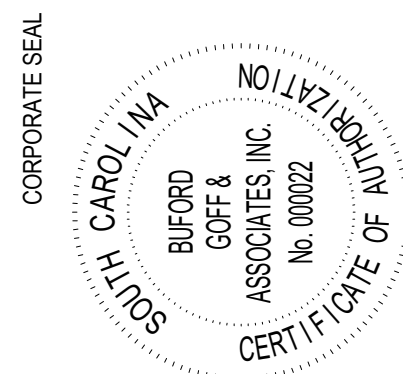
TITLE
**PLUMBING
 ELEVATIONS**

SHEET NO
P-300

ARE SEAL



CORPORATE SEAL



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INTERIOR RENOVATION
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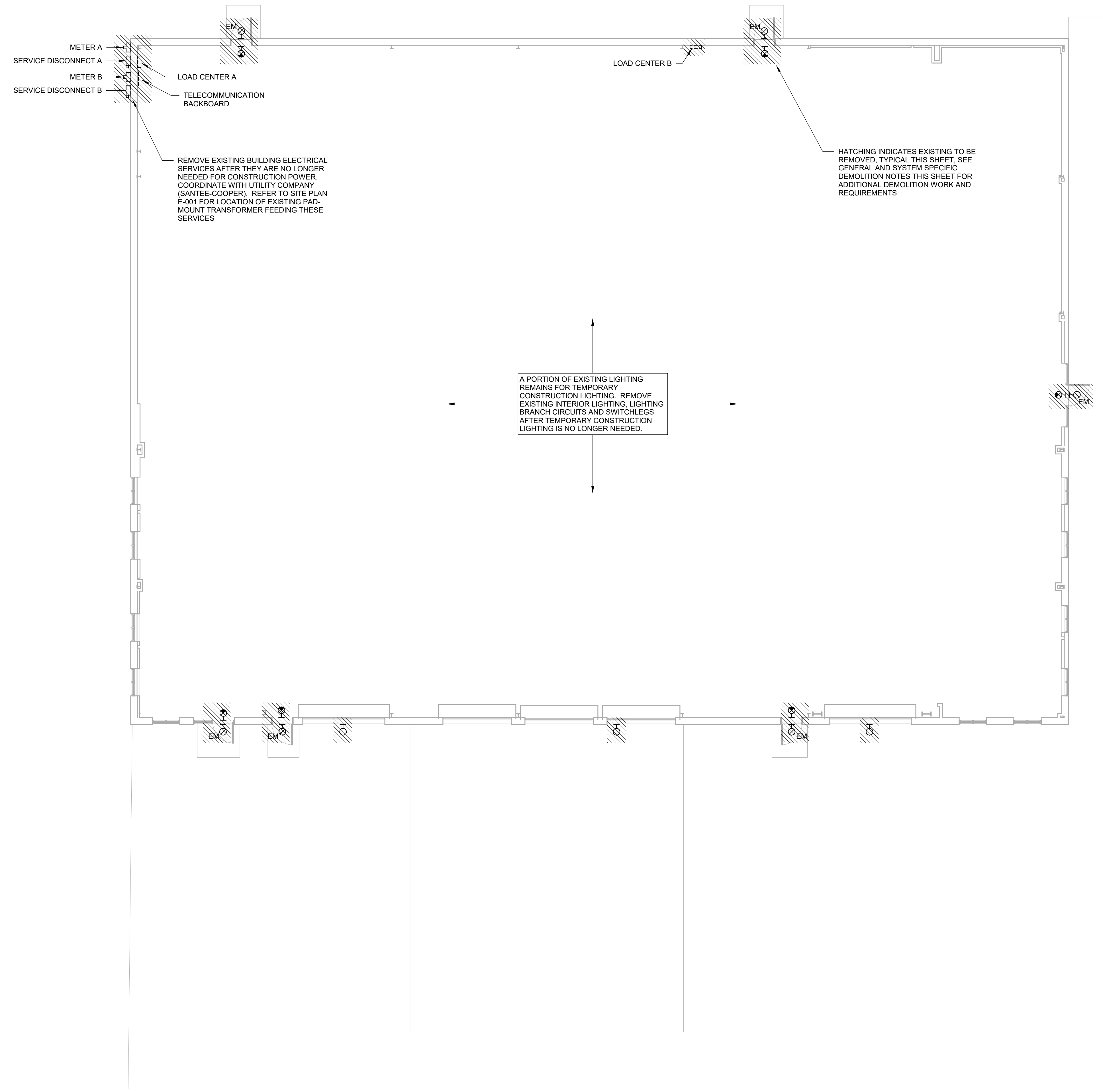
PHASE
BID SET

ISSUE DATE 12.13.2021
PROJECT NO. 21.286.00
STATE PROJECT NO. H59-N134-MAJ

REVISION DATE

TITLE
FIRST FLOOR
DEMOLITION PLAN -
ELECTRICAL

SHEET NO.
ED-101



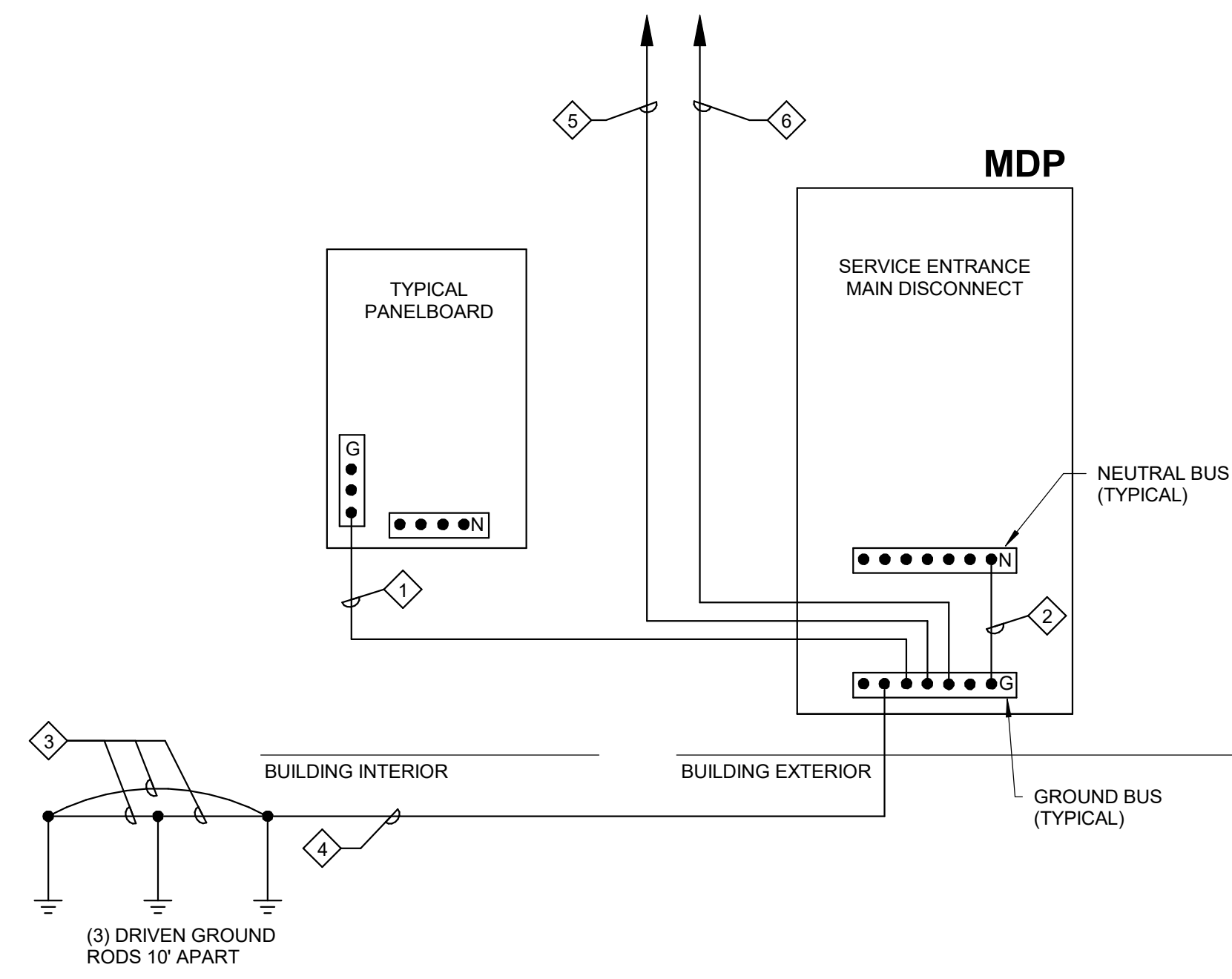
FIRST FLOOR DEMOLITION PLAN - ELECTRICAL
SCALE: 1/8" = 1'-0"

General Demolition Notes:

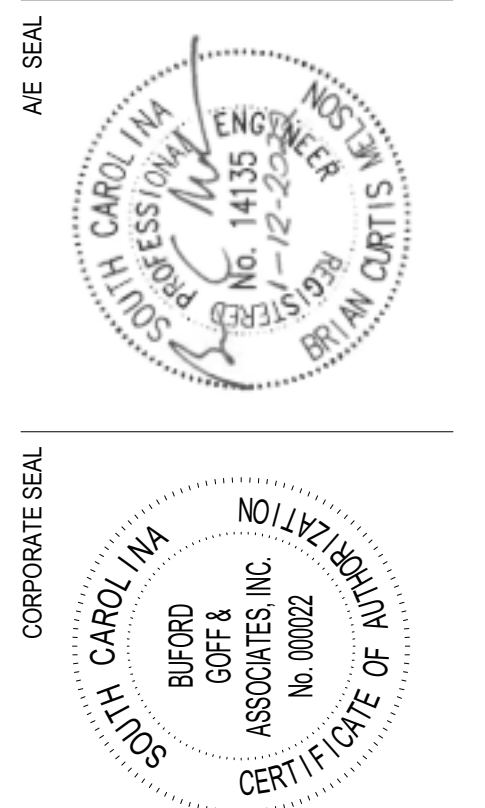
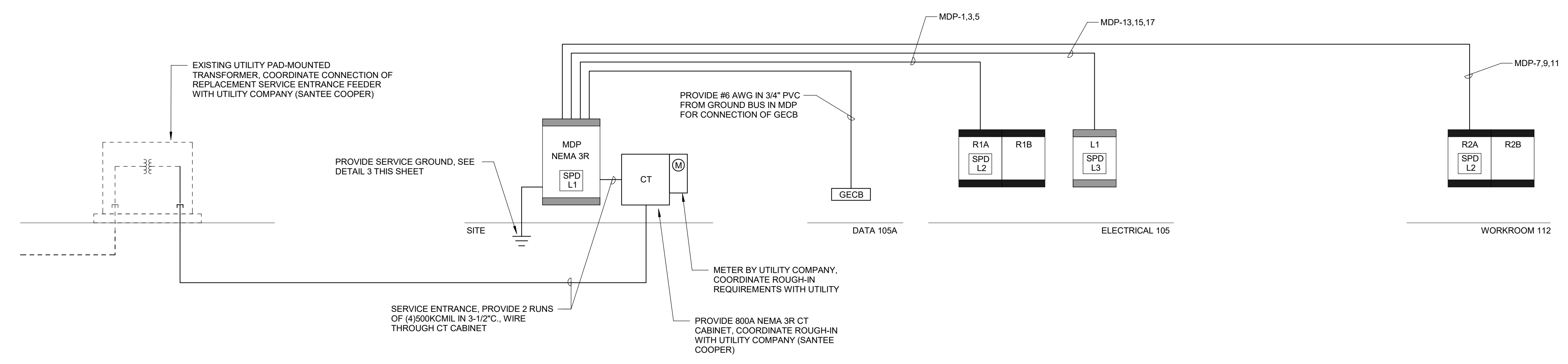
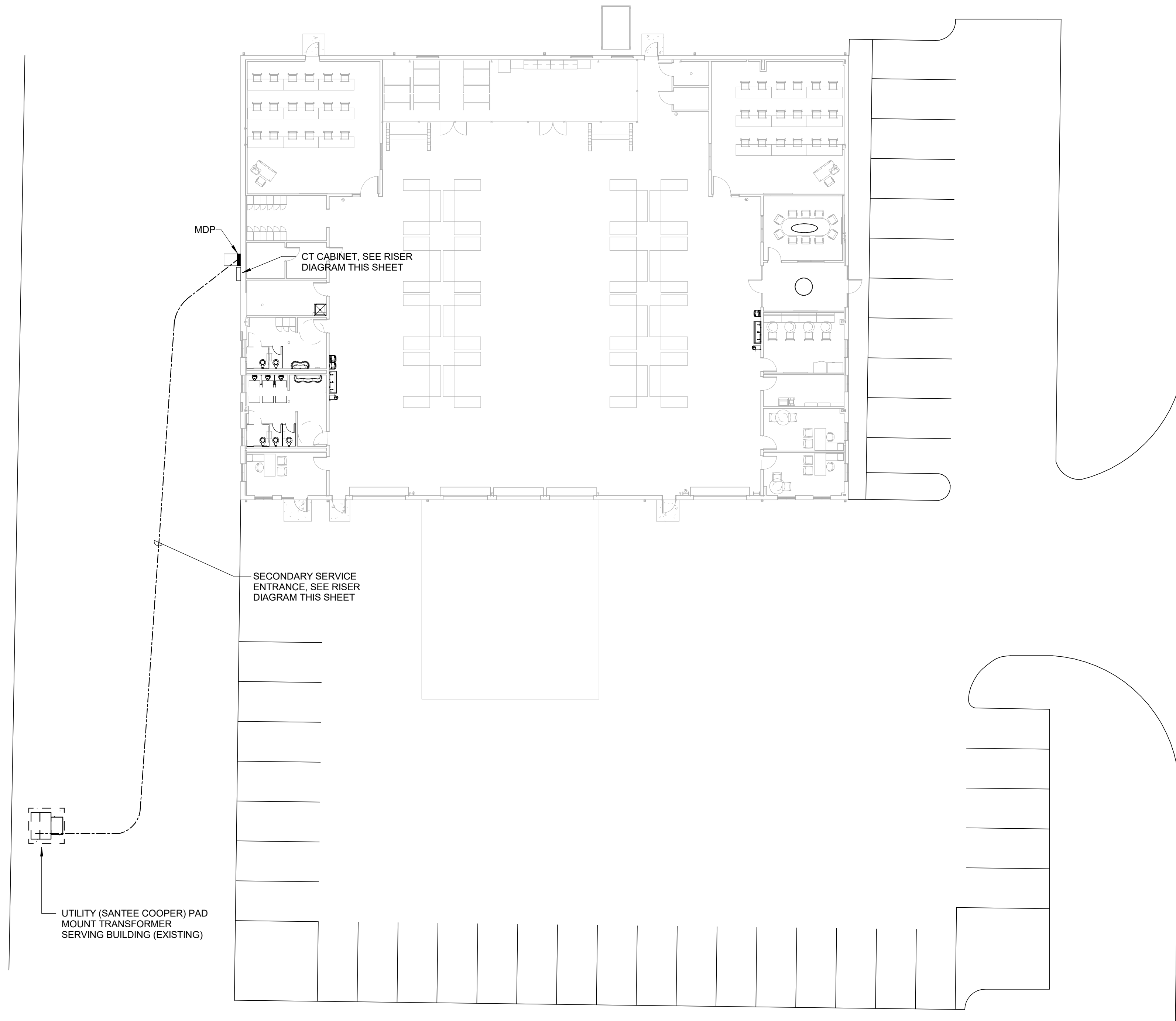
- Demolition drawings are based on casual field observation and existing record documents. Report discrepancies to Architect/Engineer before disturbing existing installation. Refer to division 26 specification "ELECTRICAL DEMOLITION" for additional requirements.
- Verify that abandoned wiring and equipment serve only abandoned facilities.
- Verify field measurements and circuiting arrangements prior to commencement of work.
- Provide temporary wiring and connections to maintain necessary systems in service during construction. When work must be performed on energized equipment or circuits, use personnel experienced in such operations.
- Remove abandoned wiring to source of supply.
- Remove exposed abandoned conduit, including abandoned conduit above accessible ceiling finishes. Cut conduit flush with walls and floors, patch and firestop.
- Disconnect and remove abandoned panelboards and distribution equipment.

System Specific Demolition Notes:

- EXISTING ELECTRICAL DISTRIBUTION:** The existing electrical distribution system shall be replaced by the work of this project. Remove distribution equipment and associated, service feeders, feeders and branch circuit wiring. The existing electrical distribution system may be utilized for temporary power accordance with Divisions 1 and 26 of the contract documents.
- EXISTING LIGHTING:** The existing interior and exterior lighting shall be replaced by this work unless noted otherwise. The existing lighting may be utilized for temporary lighting in accordance with Divisions 1 and 26 of the contract documents.
- EXISTING WIRING DEVICES:** Existing wiring devices and branch circuits shall be replaced by the work of this project. Remove existing wiring devices and rough-ins.
- EXISTING TELECOMMUNICATIONS AND IT SYSTEMS:** Existing telecommunications and IT systems shall be replaced by the work of this project. Remove backboards, drops and termination equipment. Coordinate disconnection of telecommunications services with Owner and telecommunications service provider.
- EXISTING SECURITY SYSTEM:** The existing security system shall be replaced by the work of this project. Disconnect and remove security equipment and rough-ins, coordinate system demolition with Owner's security system maintenance provider.



- SERVICE ENTRANCE GROUND DIAGRAM KEYNOTES:**
- 1 EQUIPMENT GROUND CONDUCTOR (RUN WITH FEEDER UNLESS OTHERWISE NOTED).
 - 2 BONDING JUMPER, #2/0 AWG.
 - 3 GROUNDING ELECTRODE CONDUCTOR, BARE #2/0 AWG.
 - 4 GROUNDING ELECTRODE CONDUCTOR, BARE #2/0 AWG IN 3/4" PVC.
 - 5 BONDING CONDUCTOR TO METAL PIPING SYSTEM(S). PROVIDE #2/0 AWG IN 3/4" PVC BONDED AT BOTH ENDS. CONNECTION SHALL BE MADE UTILIZING PIPE GROUNDING CLAMP IN ACCESSIBLE LOCATION.
 - 6 BONDING CONDUCTOR TO BUILDING STRUCTURAL STEEL. PROVIDE #2/0 AWG IN 3/4" PVC BONDED AT BOTH ENDS. CONNECTION TO STEEL SHALL BE MADE VIA EXOTHERMIC WELD UNLESS NOTED OTHERWISE. CONNECTION LOCATION SHALL BE ACCESSIBLE.



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| STATE PROJECT NO. | H59-IN134-MAJ |
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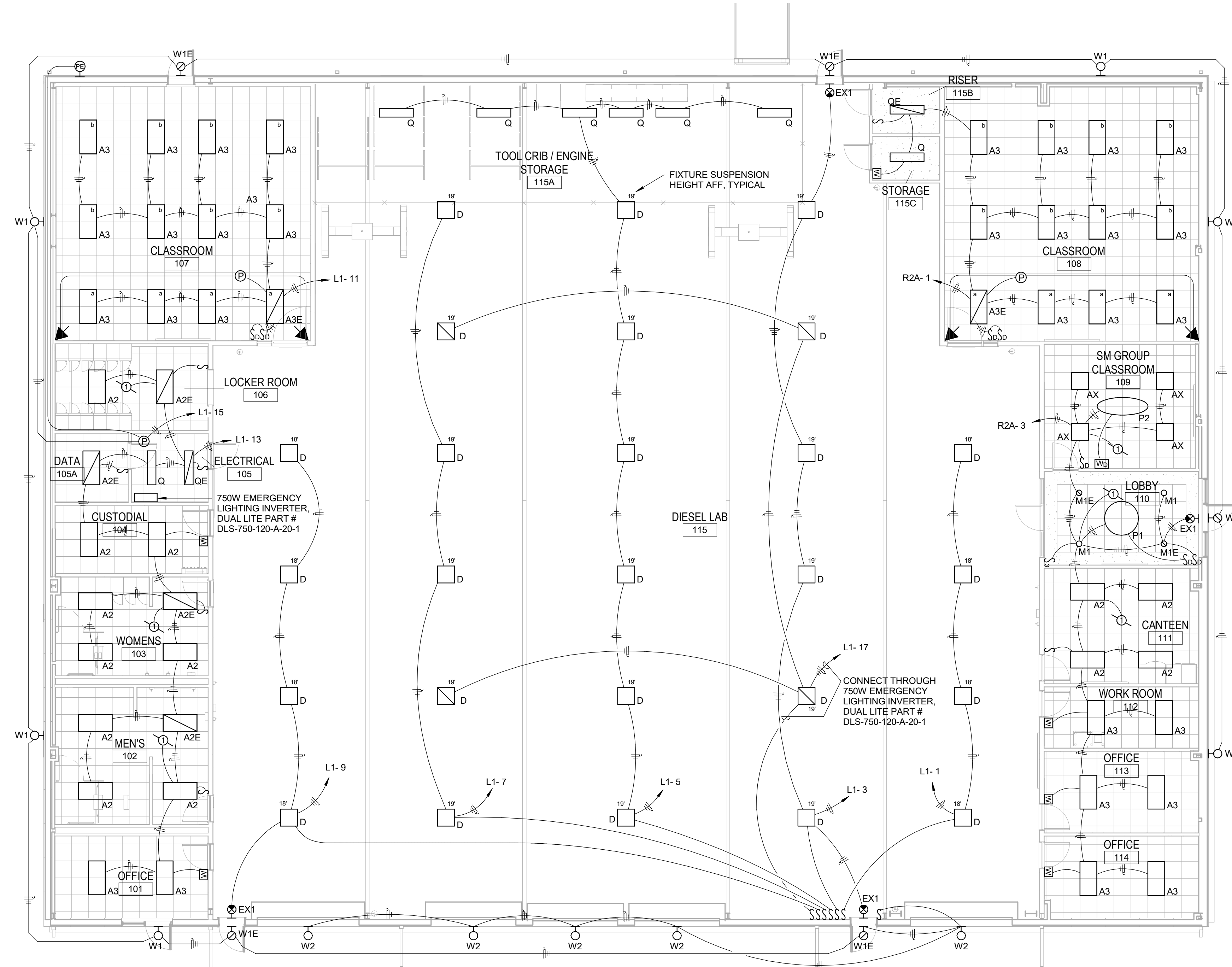
| LIGHTING FIXTURE SCHEDULE | | | | | | | |
|---------------------------|---|---|------------------------|----------|-----------|-------|--|
| TYPE | MANUFACTURER | CATALOG NUMBER | FINISH | QUAN. | LAMP TYPE | WATTS | REMARKS |
| A2 | HE WILLIAMS LITHONIA COLUMBIA DAYWRITE | LT-2-4-L52-840-AF-DIM-UNV 2BT14-4BL-40DSM-EZ-L1-P940 LCAT24-40LWG-EU-PAF 2EVG-43LH-840-4-D | WHITE PAINT AFTER FAB. | - | LED | 40 | 2'x4' 4000 LUMEN LED TROFFER WITH GRID TRIM. |
| A3 | HE WILLIAMS LITHONIA COLUMBIA DAYWRITE | LT-2-4-L65-840-AF-DIM-UNV 2BT14-4BL-40DSM-EZ-L1-P940 LCAT24-40LWG-EU-PAF 2EVG-74LH-840-4-D | WHITE PAINT AFTER FAB. | - | LED | 63 | 2'x4' 6500 LUMEN LED TROFFER WITH GRID TRIM. |
| AX | HE WILLIAMS LITHONIA COLUMBIA DAYWRITE | LT-2-2-L39-840-AF-DIM-UNV 2BT12-40L-40DSM-EZ-L1-P940 LCAT22-40HLG-EU-PAF 2EVG-38L-840-2-D | WHITE PAINT AFTER FAB. | - | LED | 40 | 2'x2' 3500 LUMEN LED TROFFER WITH GRID TRIM. |
| D | COLUMBIA LITHONIA HE WILLIAMS | CLB2-40MH-W-EDU IBG-24L-HEF-PTL-GND-MVOLT-GZ10-40K GH2-L24-9-40-FF-DIM-UNV | WHITE | - | LED | 154 | LED HIGH BAY PENDANT HUNG |
| M1 | HE WILLIAMS GOTHAM LIGHTOLIER PRESOLITE INTENSE | 4DR-TL-DIM-UNV EVC-44K-4K-TRW CAL-CL-CL-VB-N-U-Z10V LF4LED64-4FLLED5G4 SS4G2 | WHITE PAINT AFTER FAB. | - | LED | 20 | 4" RECESSED ROUND 1500 LUMEN OPEN LED DOWNLIGHT. |
| P1 | BETA CALCO | 953120-DN40-S3-D1-MS-PR2 | FINISH BY ARCHITECT | - | LED | 43 | DECORATIVE LED DIRECT/INDIRECT PENDANT, COORDINATE SUSPENSION HEIGHT WITH ARCHITECT. |
| P2 | BETA CALCO | 959130-DN40-S3-D1-MS | WHITE | - | LED | 95 | DECORATIVE LED DIRECT/INDIRECT PENDANT, COORDINATE SUSPENSION HEIGHT WITH ARCHITECT. |
| Q | HE WILLIAMS COLUMBIA LITHONIA | 75S-4-L50-840-UNV MPS-4-35K-ML-C-W-E-U ZL1N-48-50LM-FST-MVOLT-40K-80-WH | WHITE PAINT AFTER FAB. | - | LED | 55 | LED CHAIN HUNG STRIP, LENSED. |
| W1 | LSI HUBBELL LITHONIA | XWS-LED-3L-MTD-UNV-40-EH UNC2-9L-4K-700-3-U-CH ARC1LED-P2-4K-MVOLT-FA | FINISH BY ARCHITECT | - | LED | 21 | LED WALL MOUNT FULL CUTOFF WALL PACK, 12" AFF MOUNTING HEIGHT. |
| W2 | LSI HUBBELL LITHONIA | XWS-LED-3L-MTD-UNV-40-XX UNC2-18L-4K-700-3-U-XX ARC2LED-P4-4K-MVOLT-FA | FINISH BY ARCHITECT | - | LED | 43 | LED WALL MOUNT FULL CUTOFF WALL PACK, 12" AFF MOUNTING HEIGHT. |
| EX1 | INFINITY SURELITES LITHONIA DUAL LITE | EXIT/CA-SF-REM-WF-WH CX-6-1-R-W LES-W-18-120Z77-ELN SESRW-EI | WHITE | BY MANF. | LED | - | SINGLE FACED LED, EVENLY ILLUMINATED EXIT LIGHT WITH EMERGENCY BATTERY BACKUP. |

LIGHTING FIXTURE SCHEDULE

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING FIXTURE TRIMS THAT ARE COMPATIBLE WITH CEILING TYPES SHOWN ON THE REFLECTED CEILING PLANS, REGARDLESS OF THE FIXTURE TRIMS INDICATED IN THE FIXTURE SCHEDULE.
- UNLESS NOTED OTHERWISE ON FIXTURE SCHEDULE, THE COLOR TEMPERATURE FOR LIGHT SOURCES SHALL BE 4000K WITH MINIMUM CRI OF 80.
- REFER TO ARCHITECTS REFLECTED CEILING PLANS AND ELEVATIONS FOR LOCATIONS AND MOUNTING HEIGHTS OF FIXTURES.
- THE USE OF A MODULAR WIRING SYSTEM TO CIRCUIT LIGHT FIXTURES IS NOT ALLOWED.

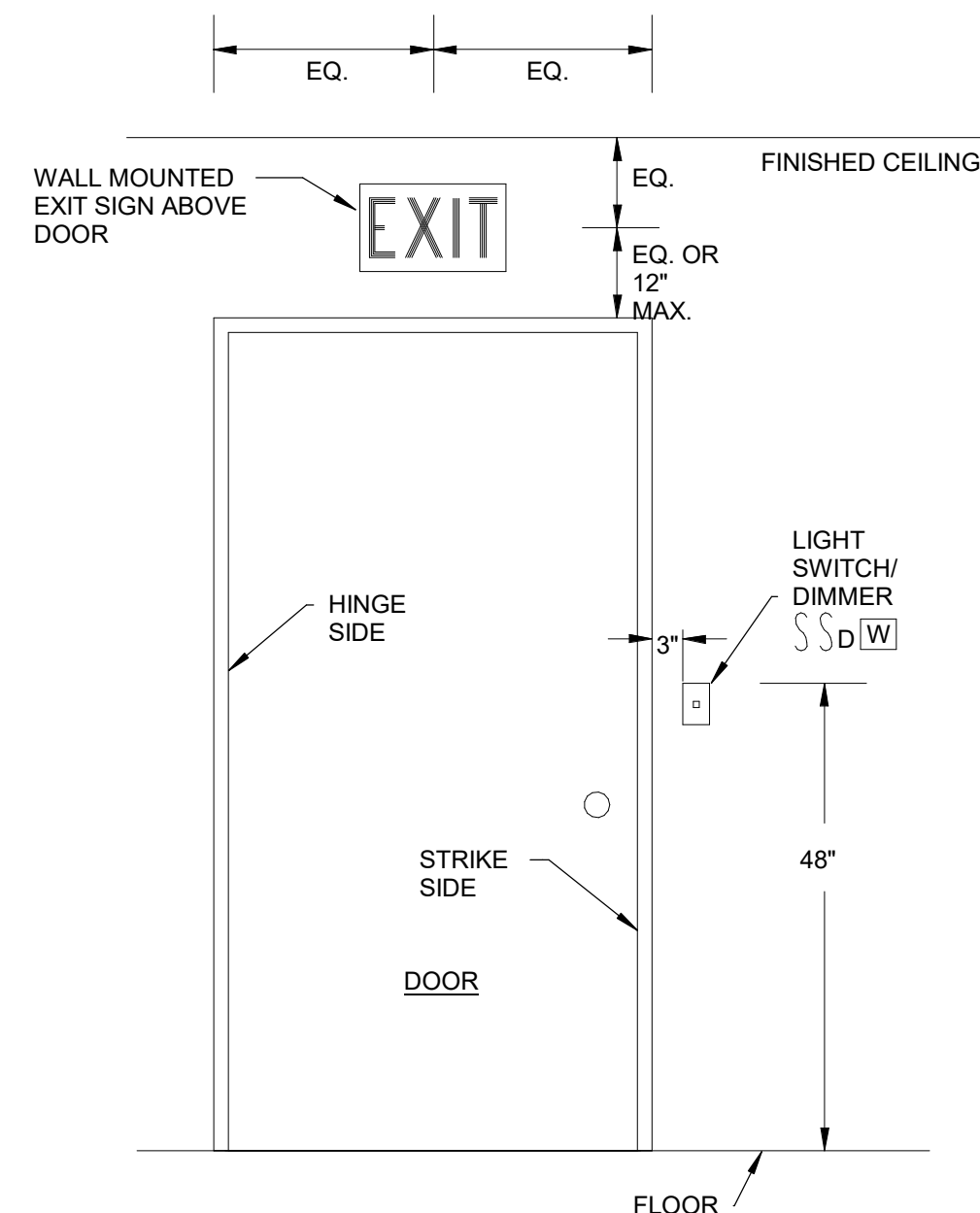
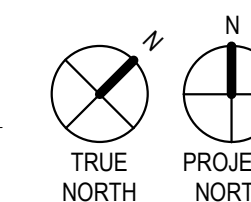
GENERAL LIGHTING INSTALLATION NOTES:

- OCCUPANCY SENSORS SHALL BE ADJUSTED AS REQUIRED FOR ROOM COVERAGE, SET TO TIME OUT AFTER 30 MINUTES AND SET TO MAXIMUM SENSITIVITY.
- COORDINATE OCCUPANCY SENSOR LOCATIONS WITH CASEWORK AND SHELVING. OCCUPANCY SENSORS SHALL NOT BE INSTALLED OVER OBJECTS THAT INTERFERE WITH THEIR OPERATION AND RANGE. SHIFT LOCATIONS AS REQUIRED FOR PROPER OPERATION AND TO ACCESS TO THE DEVICE.
- PROVIDE MINIMUM #12 AWG CONDUCTORS FOR LIGHTING BRANCH CIRCUIT OR LARGER WHERE INDICATED.
- ALL LOW VOLTAGE WIRING SHALL BE INSTALLED IN 3/4" CONDUIT. ALL POWER PACKS SHALL BE INSTALLED IN JUNCTION BOXES. INSTALLATION SHALL COMPLY WITH MANUFACTURER'S REQUIREMENTS.
- THE CONTRACTOR SHALL PROVIDE AN UNSWITCHED CONDUCTOR TO ALL EMERGENCY FIXTURES AS REQUIRED FOR EMERGENCY OPERATION. SEE EMERGENCY LIGHTING NOTES.
- ADJUST FIXTURE LOCATIONS AS REQUIRED FOR MECHANICAL EQUIPMENT, CHASES, OR OTHER EQUIPMENT AS REQUIRED FOR INSTALLATION.
- OCCUPANCY SENSOR, SWITCHSTATION, COVERPLATE AND TOGGLE SWITCH COLORS SHALL BE SELECTED BY ARCHITECT.



1 FIRST FLOOR RENOVATION PLAN - LIGHTING

E-101 SCALE: 1/8" = 1'-0"



2 LIGHTING DEVICE MOUNTING HEIGHT DETAIL

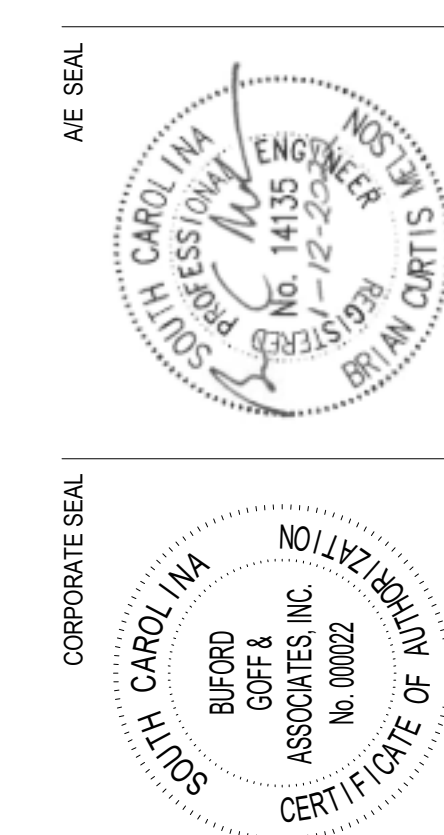
E-101 SCALE: N.T.S.

| LIGHTING SYMBOL SCHEDULE | |
|--------------------------|---|
| SYMBOL | DESCRIPTION |
| A | LIGHTING FIXTURE |
| A | EMERGENCY LIGHT, SEE EMERGENCY LIGHTING NOTES, THIS SHEET. |
| A | LIGHTING FIXTURE - WALL OR BRACKET |
| ⬆ | EXIT SIGN, CEILING MOUNTED, ARROWS AS INDICATED ON PLANS |
| ⬆ | EXIT SIGN, WALL MOUNTED, ARROWS AS INDICATED ON PLANS |
| P | POWER PACK, WATTSTOPPER PART # BZ-150 |
| Ⓢ | CEILING MOUNTED OCCUPANCY SENSOR, WATTSTOPPER PART # DT-355 |
| Ⓢ | CEILING MOUNTED OCCUPANCY SENSOR, WATTSTOPPER PART # DT-300 |
| Ⓢ | CEILING MOUNTED OCCUPANCY SENSOR, WATTSTOPPER PART # DT-200 |
| Ⓢ | PHOTOCELL, WATTSTOPPER PART # EM-24 |
| W | WALL SWITCH OCCUPANCY SENSOR, WATTSTOPPER PART # DW-100 |
| S | STANDARD TOGGLE SWITCH |
| S ₃ | THREE WAY TOGGLE SWITCH |
| S _D | 0-10 VOLT DIMMER SWITCH, WATTSTOPPER PART # H4FBL3PTC |

EMERGENCY LIGHTING NOTES

- LIGHTING FIXTURES CONNECTED TO EMERGENCY LIGHTING CIRCUITS ARE IDENTIFIED BY THE FOLLOWING SYMBOLS AND SUFFIXES:
 - Ⓢ**E
 - Ⓢ**E
 - Ⓢ**E

** = FIXTURE TYPE DESIGNATION
- EMERGENCY FIXTURES WITH AN "E" SUFFIX SHALL BE FURNISHED WITH A SELF TEST BATTERY BACKUP BY FIXTURE MANUFACTURER, WITH A REMOTE MANUAL TEST BUTTON INSTALLED ADJACENT TO FIXTURE. PROVIDE AN UNSWITCHED CONDUCTOR TO ALL FIXTURES WITH A BATTERY BACKUP. BATTERY BACKUPS SHALL BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.



PROJECT TITLE
DIESEL ENGINE TRAINING FACILITY INTERIOR RENOVATION

HORRY-GEORGETOWN TECHNICAL COLLEGE
470 ALLED DR., CONWAY, SC

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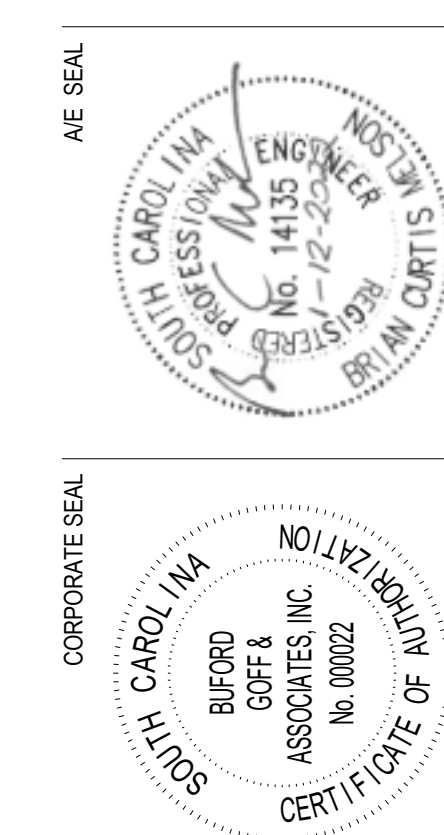
ISSUE DATE: 12.13.2024
PROJECT NO.: 21.286.00
STATE PROJECT NO.: H59-N134-MJ

REVISION: _____ DATE: _____

TITLE
FIRST FLOOR RENOVATION PLAN - LIGHTING

SHEET NO.

E-101



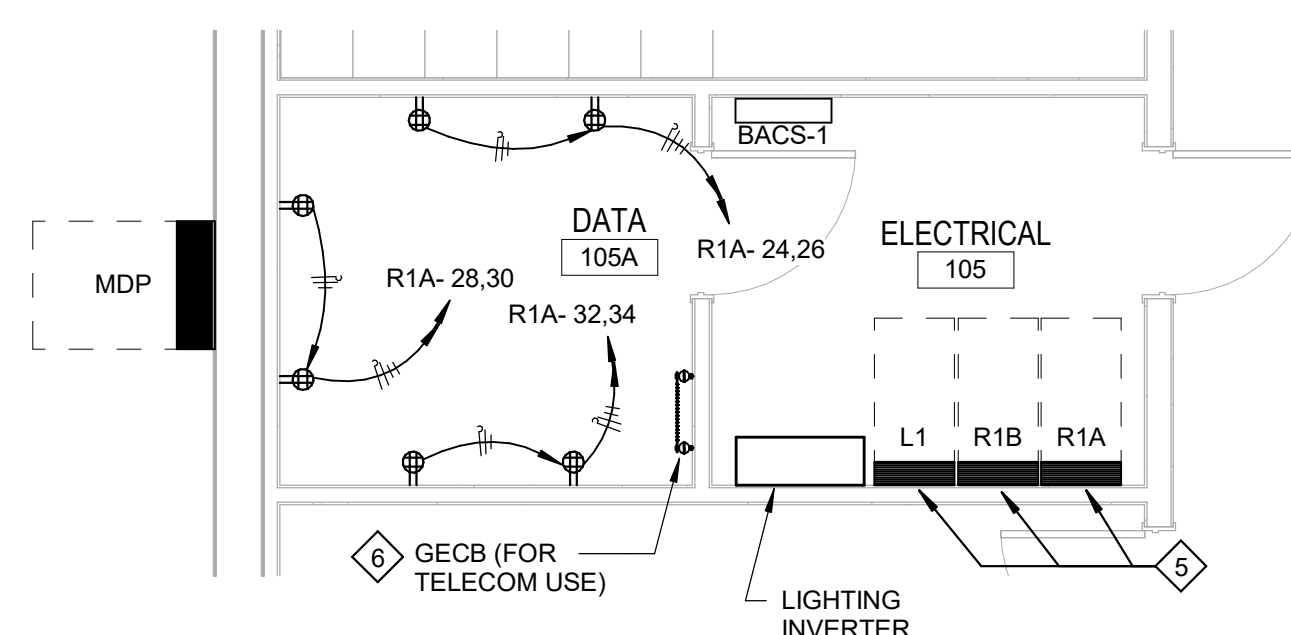
PROJECT TITLE: DIESEL ENGINE TRAINING FACILITY INTERIOR RENOVATION
HORRY-GEOGETOWN TECHNICAL COLLEGE
470 ALLEN DR., CONWAY, SC

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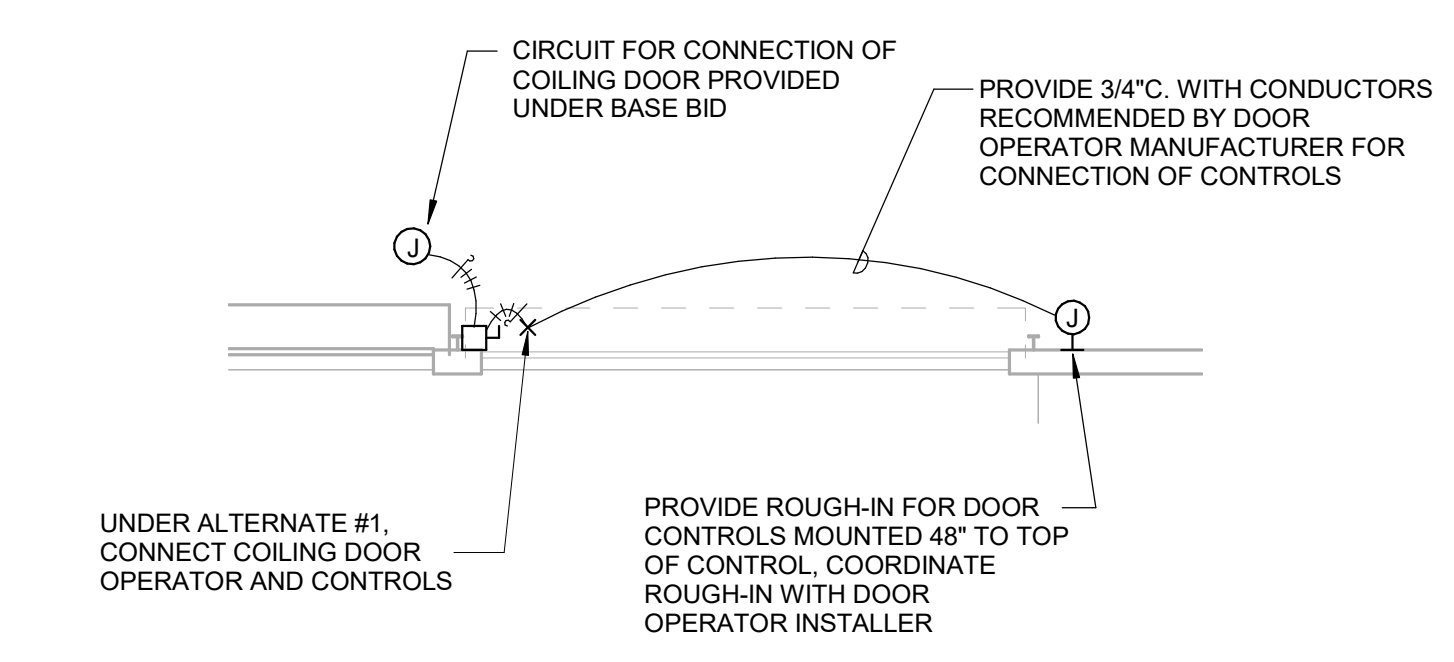
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PROJECT NO.: 21.286.00
STATE PROJECT NO.: H59-N134-RAJ
REVISION: DATE

TITLE: FIRST FLOOR RENOVATION PLAN - ELECTRICAL

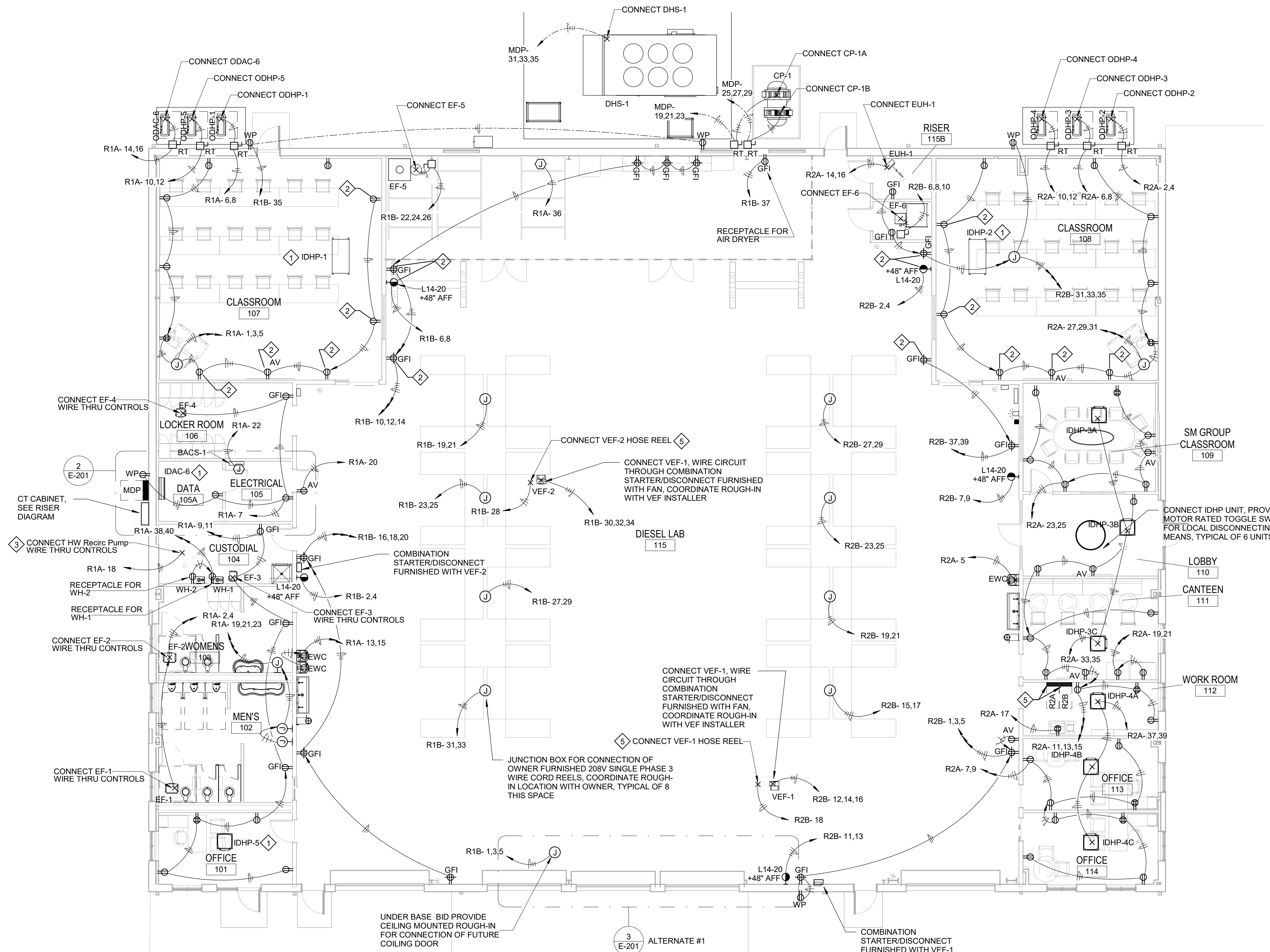
SHEET NO: E-201



2 ENLARGED FLOOR PLAN - MAIN ELECTRICAL AND DATA RMS
SCALE: 1/4" = 1'-0"



3 PARTIAL FIRST FLOOR PLAN - ALTERNATE #1 - ELECTRICAL
SCALE: 1/8" = 1'-0"



1 FIRST FLOOR RENOVATION PLAN - ELECTRICAL
SCALE: 1/8" = 1'-0"

ELECTRICAL SYMBOL LEGEND

| | |
|--|--|
| | 120V, 20A DUPLEX RECEPTACLE, MOUNT 24" AFF. |
| | 120V, 20A DUPLEX RECEPTACLE, ABOVE COUNTER HEIGHT, MOUNT 3" ABOVE COUNTER BACKSPASH OR 48" AFF WHERE NO COUNTERS ARE SHOWN. |
| | 120V, 20A QUADRUPLEX RECEPTACLE, MOUNT 24" AFF. |
| | SUBSCRIPT INDICATES RECEPTACLE TO BE GROUND FAULT CIRCUIT INTERRUPTER TYPE |
| | SUBSCRIPT INDICATES RECEPTACLE FOR WATER COOLER, PROVIDE 20A, 120V DUPLEX RECEPTACLE FLUSH MOUNTED, CONCEALED BEHIND WATER COOLER. |
| | SUBSCRIPT INDICATES RECEPTACLE FOR AV DISPLAY/MONITOR, COORDINATE MOUNTING HEIGHT WITH DISPLAY/MONITOR INSTALLER, ROUGH-IN CONCEALED BEHIND DISPLAY/MONITOR. |
| | SUBSCRIPT INDICATES RECEPTACLE TO BE WEATHER PROOF TYPE |
| | SUBSCRIPT INDICATES RECEPTACLE TO BE DAMP LOCATION TYPE |
| | SPECIAL RECEPTACLE, TYPE AS NOTED |
| | WALL MOUNTED JUNCTION BOX, ROUGH-IN FLUSH WITH WALL SURFACE UNLESS NOTED OTHERWISE, HEIGHT AS NOTED. |
| | JUNCTION BOX, SIZE PER NEC, MOUNTING LOCATION ABOVE ACCESSIBLE FINISHED CEILING UNLESS NOTED OTHERWISE. |
| | JUNCTION BOX FOR CONNECTION OF 120V HVAC SYSTEM CONTROL POWER, FIELD COORDINATE ROUGH-IN LOCATION AND CONNECTIONS WITH HVAC SYSTEM INSTALLER. |
| | EQUIPMENT CONDUIT/CIRCUIT CONNECTION. |
| | FUSED SAFETY DISCONNECT SWITCH |
| | MOTOR RATED TOGGLE SWITCH |
| | CONDUIT/CIRCUITING CONTINUATION |
| | PANELBOARD, 120/208V OR 120/240V AS SCHEDULED |
| | GROUNDING ELECTRODE CONDUCTOR BUSBAR, PROVIDE CHATSWORTH PRODUCTS, INC TYPE 10622-012 UNLESS NOTED OTHERWISE |
| | ABOVE FINISHED FLOOR |
| | ABOVE FINISHED GRADE |
| | ABOVE FINISHED CEILING |
| | UNLESS NOTED OTHERWISE |
| | NEMA 3R, RAIN TIGHT |
| | NEMA 4X, WEATHER PROOF STAINLESS STEEL |
| | CONDUIT |
| | EMPTY CONDUIT |

ELECTRICAL SYMBOL SCHEDULE NOTES:
1. MOUNTING HEIGHTS ARE TO BOTTOM OF DEVICE ROUGH-IN UNO.

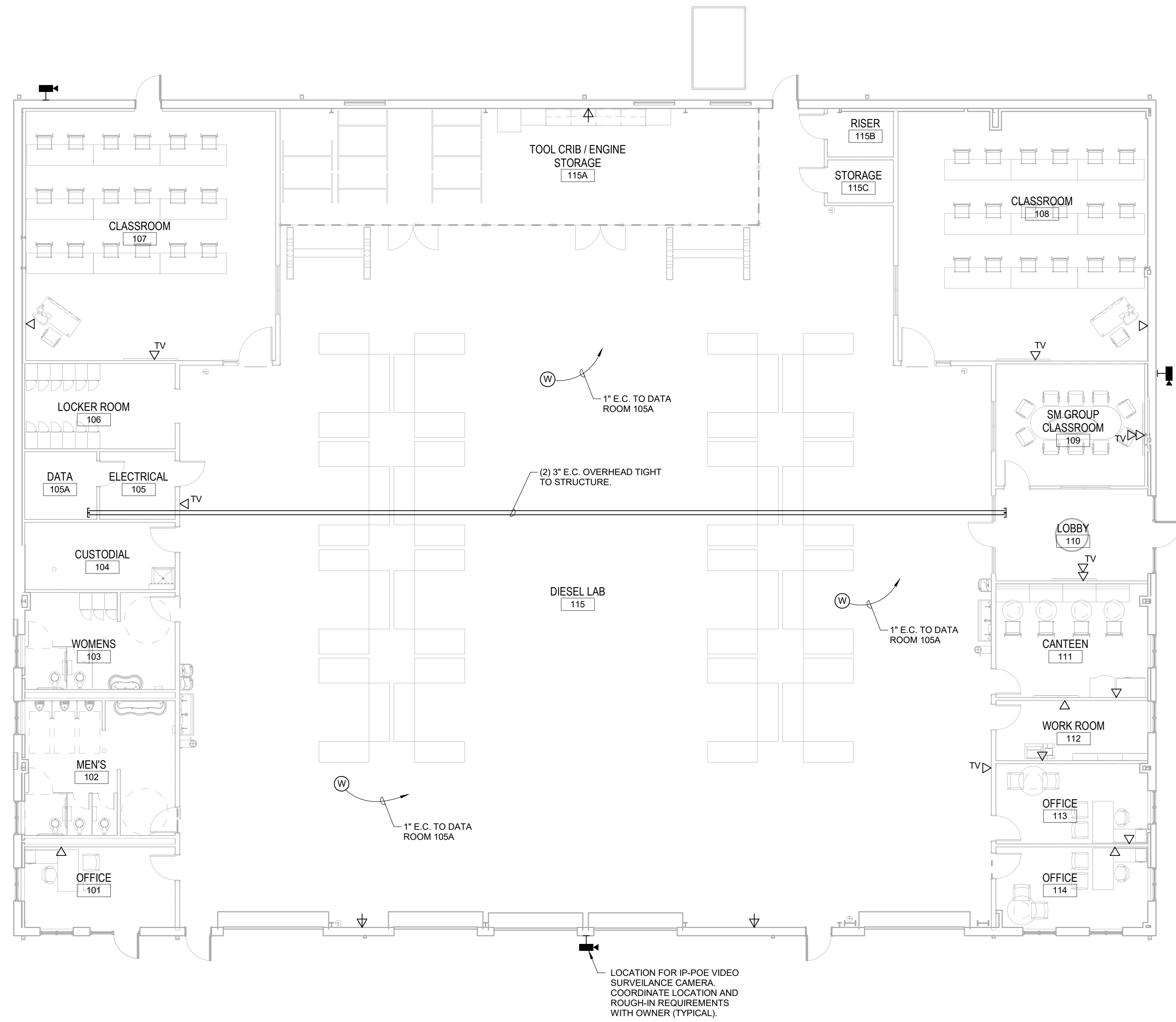
CONDUIT ROUTING LEGEND

| | |
|--|--|
| | CONDUIT RUN CONCEALED OVER HEAD OR VERTICALLY WITHIN WALLS. |
| | CONDUIT RUN BELOW GRADE OR UNDER SLABS. |
| | CONDUIT RUN EXPOSED. |
| | CONDUIT HOMERUN, ARROW HEADS INDICATE NUMBER OF CIRCUITS, SHORT TICK MARKS INDICATE PHASE CONDUCTORS, LONG TICK MARKS INDICATE NUMBER OF NEUTRAL CONDUCTORS, TICK MARK WITH HOOK INDICATES GROUNDING CONDUCTOR (THREE CIRCUIT HOMERUN RUN CONCEALED WITH DEDICATED NEUTRAL INDICATED SHOWN). |

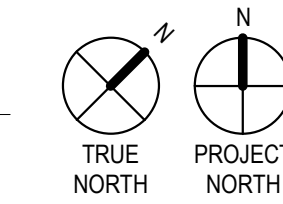
DIESEL LAB SERVICE AREA NEC ARTICLE 511 CODE ANALYSIS
ALTHOUGH THE INTENDED USE OF THE FACILITY DOES NOT INVOLVE THE USE OF CLASS I LIQUIDS, THE ELECTRICAL ROUGH-INS IN ROOM 115 COULD BE CLASSIFIED CLASS I DIV 2 IN ACCORDANCE WITH TABLE 511.3(C) FOR MAJOR REPAIR GARAGES.
IN ADDITION, THE HVAC SYSTEM PROVIDES POSITIVE PRESSURE FOR ADJACENT FINISHED AND ELECTRICAL SPACES AND THE ADJACENT UTILITY SPACES HAVE MECHANICAL VENTILATION WHICH EXCEEDS 4 AIR CHANGES PER HOUR ALLOWING THEM TO BE CONSIDERED UNCLASSIFIED IN ACCORDANCE WITH TABLE 511.3(C) FOR MAJOR REPAIR GARAGES.
REFER TO THE ELECTRICAL SYMBOL LEGEND ON SHEET E200 FOR RECEPTACLE MOUNTING HEIGHTS.
SEE M SERIES SHEETS FOR ADDITIONAL INFORMATION.

- GENERAL NOTES:**
- CONDUIT CONNECTIONS TO DISCONNECTS INSTALLED OUTDOORS SHALL BE MADE TO THE BOTTOM OR LOWER SIDES OF THE DISCONNECT ENCLOSURE.
 - ROUTE CONDUITS FOR ODAC AND ODHP UNITS WITH THROUGH WALL WITH REFRIGERANT PIPING, COORDINATE ROUGH-IN WITH REFRIGERANT PIPING INSTALLER.
 - CONDUIT INSTALLED OVER ROOM 115 SHALL BE RUN AT BOTTOM OF STEEL.

- KEYNOTES:**
- INDOOR UNIT POWERED FROM OUTDOOR UNIT, PROVIDE 3/4" WITH CONDUCTORS RECOMMENDED BY EQUIPMENT MANUFACTURER FOR CONNECTION.
 - SURFACE MOUNT IN SURFACE METAL RACEWAY UNDER BASE BID. SURFACE METAL RACEWAY SHALL BE SIMILAR TO WIREMOLD V700 SERIES SURFACE METAL RACEWAY.
 - CONNECT HOT WATER RECIRCULATION PUMP, PROVIDE MOTOR RATED TOGGLE SWITCH AT PUMP FOR LOCAL DISCONNECTING MEANS.
 - HOSE REEL FURNISHED AS PART OF VEF UNIT, PROVIDE MOTOR RATED TOGGLE SWITCH AT HOSE REEL FOR LOCAL DISCONNECTING OF HOSE REEL. PROVIDE 3/4" WITH (3) #12 AWG + #12 AWG GROUND TO CONTROL SWITCH ROUGH-IN ADJACENT TO VEF START FOR CONTROL OF THE HOSE REEL. COORDINATE ROUGH-IN WITH VEF UNIT INSTALLER.
 - ROUGH-IN PANELBOARD CAN MINIMUM 18" AFF TO BOTTOM.
 - ROUGH-IN 2'-0" AFF.



FIRST FLOOR RENOVATION PLAN - IT
 SCALE: 1/8" = 1'-0"



| SPECIAL SYSTEMS SYMBOL LEGEND | |
|-------------------------------|--|
| SYMBOL | DESCRIPTION |
| ▷ | DATA OUTLET, PROVIDE 1-1/4" CONDUIT TO NEAREST ACCESSIBLE CEILING. MOUNT 24" AFF. |
| → | DATA OUTLET MOUNTED ABOVE COUNTER. MOUNT 3" ABOVE COUNTER BACKSPLASH OR 42" AFF WHERE NO COUNTERS ARE SHOWN. PROVIDE 1-1/4" CONDUIT TO NEAREST ACCESSIBLE CEILING. |
| TV ▷ | DATA OUTLET FOR TELEVISION. PROVIDE 1-1/4" CONDUIT TO NEAREST ACCESSIBLE CEILING. COORDINATE MOUNTING HEIGHT WITH ARCHITECT. |
| (W) | CEILING MOUNTED WIRELESS ACCESS POINT (WAP). |
| ■ | LOCATION FOR IP-POE VIDEO SURVEILLANCE CAMERA |

SPECIAL SYSTEMS SYMBOL LEGEND NOTES:
 1. MOUNTING HEIGHTS ARE TO BOTTOM OF DEVICE ROUGH-IN UNO.

