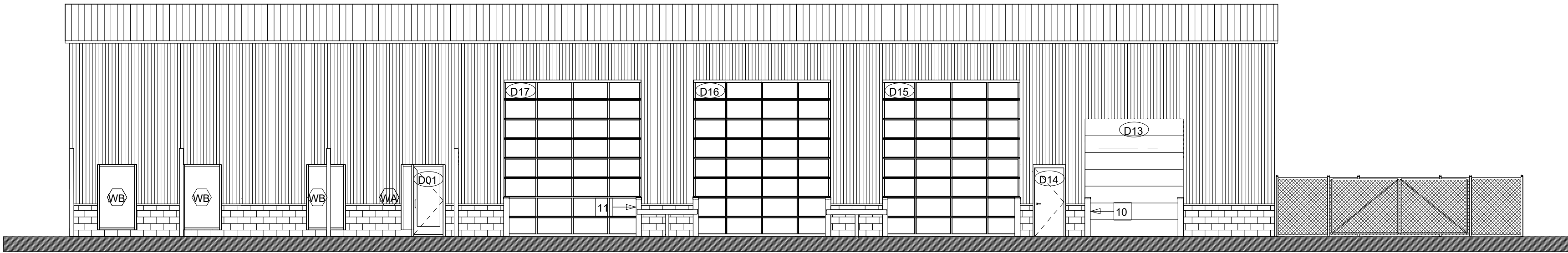


DRAWING ABBREVIATIONS			
AC	ACOUSTIC	FE	FIRE EXTINGUISHER
AQJ	ADJUSTABLE	FEC	FIRE EXTINGUISHER CABINET
AFF	ABOVE FINISH FLOOR	GWB	GYPSUM WALL BOARD
AL	ALUMINUM	GYP	GYPSUM
ALT	ALTERNATE	HDR	HEADER
APPROX.	APPROXIMATE	HDWD	HARDWOOD
ARCH	ARCHITECTURAL	HDWR	HARDWARE
BLDG	BUILDING	HM	HOLLOW METAL
BLKG	BLOCKING	HRIZ	HORIZONTAL
CEM	CEMENT	HVAC	HEATING, VENTILATING& AIR CONDITIONING
CER	CERAMIC	INSUL	INSULATION
CL	CENTERLINE	INT	INTERIOR
CMU	CONCRETE MASONRY UNIT	KIT	KITCHEN
CONT	CONTINUOUS	LAM	LAMINATED
OA	DIAMETER	LAV	LAVATORY
EMM	DIMENSION	PLAM	PLASTIC LAMINATE
EXT	EXTERIOR	SPEC	SPECIFICATION
EXST	EXISTING	TYP	TYPICAL
FD	FLOOR DRAIN	V.I.F	VERIFY IN FIELD

DRAWING SYMBOLS			
	TITLE		TITLE MARKS
	SCALE: 3/4"=1'-0"		OFFICE
	ROOM TAG		COLUMN LINE
	ELEVATIONS		WINDOW TYPE
	INTERIOR ELEVATION		DOOR TAG
	DETAIL SECTION		REVISION INDICATION
	PARTITION INDICATION		

- CONSTRUCTION NOTES:**
- ALL DIMENSIONS ARE FROM SUBSTRATE.
 - DO NOT SCALE DRAWINGS.
 - NOTIFY ARCHITECT OF ANY DISCREPANCIES WITHIN THE DRAWINGS PRIOR TO PROCEEDING WORTH CONSTRUCTION.
 - ALL WORK SHALL COMPLY WITH APPLICABLE STATE, FEDERAL AND LOCAL CODES AND ALL NECESSARY LICENSES AND PERMITS SHALL BE OBTAINED BY THE CONTRACTOR UNLESS PREVIOUSLY OBTAINED BY THE OWNER.
 - UNLESS NOTED OTHERWISE, ALL CONCRETE SHALL BE OF NOMINAL WEIGHT AND HAVE A MIN. 20 DAY STRENGTH OF 3000 PSI.
 - REINFORCING STEEL SHALL CONFORM TO ASTM B15, GRADE 60.
 - ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL POWER SHALL BE INSTALLED WITH DISCONNECT SWITCHES AT EACH PIECE OF EQUIPMENT.
 - ALL MECHANICAL EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE BY OWNER.
 - HVAC COMPRESSOR SHALL HAVE EXTENDED 5-YEAR MANUFACTURERS WARRANTY.
 - CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL MECHANICAL EQUIPMENT, DUCTWORK, ETC. TO FIT WITHIN THE SPACE ALLOWED BY THE ARCHITECTURAL CONDITIONS.
 - MOUNT THERMOSTAT AND SENSORS 4'-0" A.F.F.
 - SANITARY AND DRAINAGE PIPING SHALL BE SLOPED AT 1/4" PER FOOT.
 - ALL BATHROOM FIXTURES AND VALVES SHALL BE PROVIDED WIADMONAL BLOCKING AS REQUIRED TO RIGIDLY SECURE TO ADJACENT STRUCTURE.
 - ALL PLUMBING EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A MINIMUM OF ONE YEAR AFTER FINAL ACCEPTANCE.
 - ALL WORK SHALL BE PERFORMED IN A FINISHED WORKMANLIKE MANNER TO THE ENTIRE SATISFACTION OF THE OWNER, AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND THE BEST RECOGNIZED TRADE PRACTICES.
 - ALL WORK SHALL BE COORDINATED WITH ALL TRADE DISCIPLINES TO ENSURE PROPER EXECUTION OF THE WORK.
 - UNLESS NOTED OTHERWISE, DOORS ARE LOCATED 4" FROM FINISHED FACE OF THE WALL ADJACENT TO THE HINGE JAMB.
 - CONTRACTOR TO PROVIDE ONE SET OF AS-BUILT DRAWINGS TO THE OWNER.
 - INSTALL CONTINUOUS BLOCKING BETWEEN STUDS FOR ALL HANDRAILS, GRAB BARS, ACCESSORIES, FIXTURES, BRACKETS, HUNG CABINETWORK AND MISC. SPECIALTIES UNLESS OTHERWISE NOTED.
 - ALL PIPE, DUCT, ETC., IN FINISH AREAS SHALL BE CONTAINED WITHIN WALLS OR FURRING UNLESS OTHERWISE NOTED.
 - ANY WOOD IN CONTACT WITH CONCRETE, MASONRY OR SOIL, SHALL BE PRESSURE TREATED.
 - WHERE CONNECTIONS ARE NOT SHOWN ON THE DRAWING, COMPLY WITH NAILING SCHEDULE IN THE BUILDING CODE.
 - ALL NAILS AT NON-AIRCONDIONED/HEATED AREAS SHALL BE GALVANIZED.
 - ALL INTERIOR FINISHES, SMOKE DEVELOPMENT, FLAME SPREAD RATINGS, ETC. SHALL COMPLY WITH 2MB INTERNATIONAL BUILDING CODE CHAPTER 8.
 - TENANT IS RESPONSIBLE FOR ADA LIFE SAFETY COMPLIANCE.



SERVICE BUILDING TA CORDELE, GA

PROJECT SCOPE:

SHOP BBUILDING, PRE-ENNGNEERED, APPROXAMATELY
11.000sf WITH ELECTRICAL, PLUMBING AND HVAC SYSTEMS.

BUILDING CODE REFERENCE

THE CONSTRUCTION CODE (2018 VERSION)
STATE MINIMUM STANDARD CODES:
INTERNATIONAL BUILDING CODE, 2018 EDITION WITH STATE AMENDMENTS.
INTERNATIONAL MECHANICAL CODE, 2018 EDITION WITH STATE AMENDMENTS
INTERNATIONAL PLUMBING CODE, 2018 EDITION WITH STATE AMENDMENTS,
INTERNATIONAL FUEL GAS CODE, 2018 EDITION WITH STATE AMENDMENTS
NFPA NATIONAL ELECTRICAL CODE, 2020 EDITION
INTERNATIONAL ENERGY CONSERVATION CODE, 2015 EDITION WITH STATE AMENDMENTS
INTERNATIONAL RESIDENTIAL CODE FOR ONE & TWO FAMILY DWELLINGS, EDITION WITH STATE AMENDMENTS
AND IBC APPENDIX "F"
INTERNATIONAL EXISTING BUILDING CODE,2012 EDITION WITH STATE AMENDMENTS

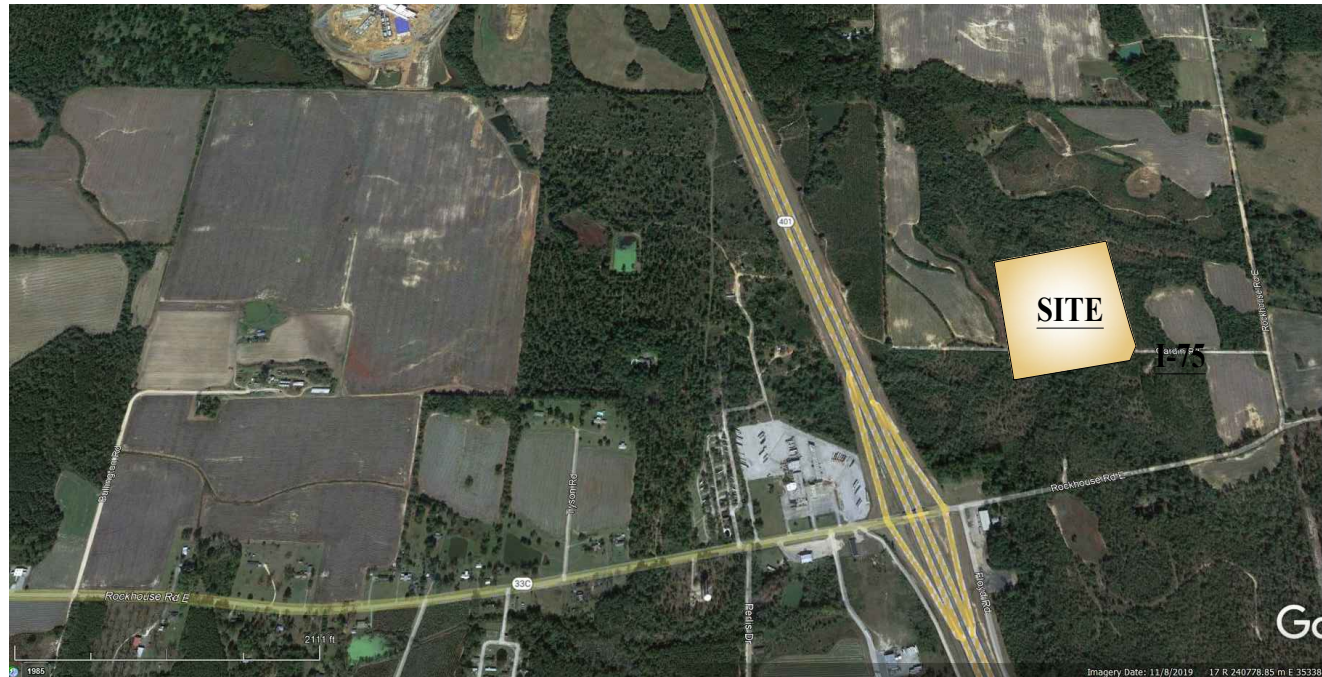
OCCUPANCY TYPE "F-1"
TOTAL SF = 11,112
CONSTRUCTION TYPE "TYPE II NON-COMBUSTIBLE "
NON SPRINKLED

MATERIALS OF CONSTRUCTION

ROOF - ROOF PANAL
INTERIOR WALLS - WOOD STUDS & GYPBD
EXTERIOR WALLS - SHEET METAL AND BRICK CLADDING
SPRINKLED R-13
ELECTRICAL SYSTEM W/ FIRE ALARM SYSTEM
HVAC "PTAC" UNITS IN ROOMS & UNIT SYSTEMS IN OTHER SPACES

SHEET INDEX

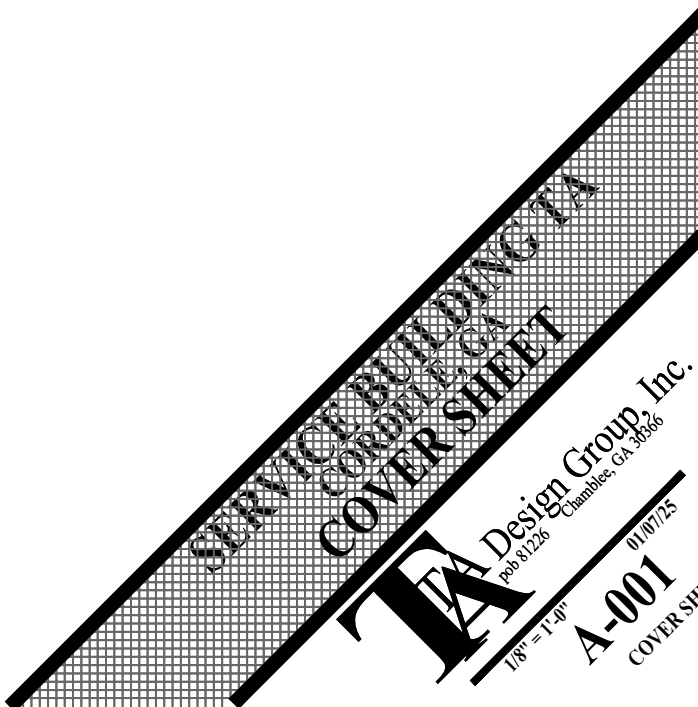
- ARCHITECTURAL
- A-001 COVER SHEET
 - A-003 LIFE SAFETY AND OCCUPANCY LOAD PLAN
 - A-101 FLOOR PLAN
 - A-102 ROOF PLAN
 - A-103 REFLECTED CEILING PLAN
 - A-201 ELEVATION PLANS
 - A-301 BUILDING SECTIONS
 - A-401 ENLARGED PLANS
 - A-402 INTERIOR ELEVATIONS
 - A-403 PIT ENLARGED FLOOR PLAN, SECTION, AND DETAILS
 - S-001 FOUNDATION PLAN
 - A-404 WALL SECTIONS
 - A-405 WALL SECTIONS
 - A-501 CONSTRUCTION DETAILS
 - A-502 CONSTRUCTION DETAILS
 - A-503 DOOR DETAILS
 - A-504 DOOR AND WINDOW DETAILS
 - A-601 DOOR AND WINDOW SCHEDULES AND NOTES
 - A-602 FINISH SCHEDULE
- MEP
- M-100 HVAC PLAN
 - M-101 HVAC DETAILS
 - M-200 HVAC ISOMETRIC DIAGRAM
 - M-300 HVAC SCHEDULES
 - P-000 SPECIFICATIONS
 - P-100 PLUMBING PLAN
 - P-200 DOMESTIC ISOMETRIC DIAGRAM
 - P-300 PLUMBING SCHEDULE
 - E-100 LIGHTING PLAN
 - E-200 LOW VOLTAGE PLAN
 - E-201 ELECTRICAL ROOF PLAN
 - E-300 ELECTRICAL SPECIFICATIONS
 - E-301 ELECTRICAL DETAILS
 - F-101 FIRE SYSTEM PLAN



LOCATION MAP



STROUD
AND COMPANY





**STROUD
AND COMPANY**

GENERAL NOTES

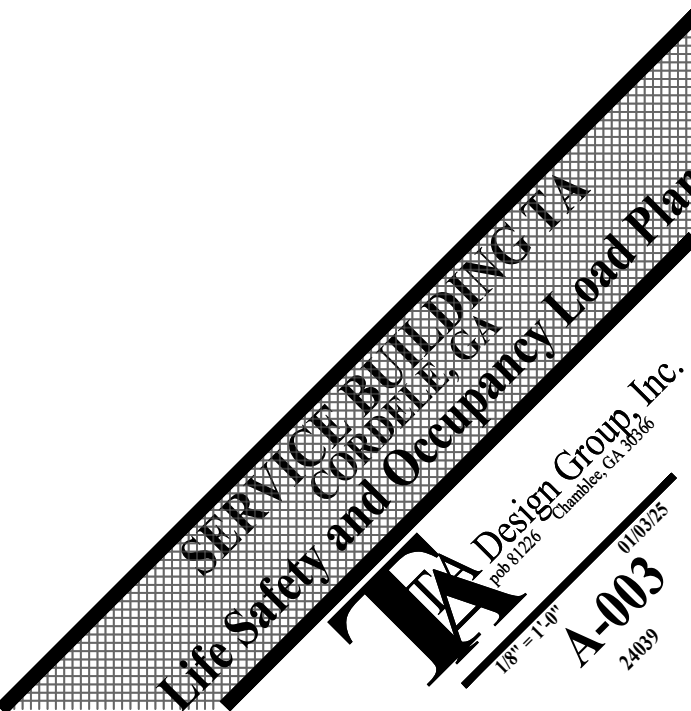
- A. TOTAL BUILDING OCCUPANT LOAD PER TABLE 1004.5 = 81.
- B. MAXIMUM TRAVEL DISTANCE TO EXIT PER TABLE 1017.2 = 250' (WITH SPRINKLER SYSTEM).
- C. DIAGONAL MEASUREMENT OF THIS SPACE 109'-0". SPRINKLER SYSTEM ALLOWS FOR DOORS TO BE SEPARATED BY GREATER THAN 1/2" OR GREATER THE DIAGONAL OF THE SPACE EXIT DOORS ARE 88'-8" APART.
- D. IN THIS AREA COMBUSTIBLE LIQUIDS TO BE STORED WITH DELVAC OIL HAVING THE LOWEST FLASH POINT AT 900 DEGREES CLASS 11B. MAXIMUM STORAGE QUANTITY NOT TO EXCEED 13,200 LIQUID GALLONS.

LIFE SAFETY LEGEND

- ?? ?? CLEAR WIDTH OF DOOR & TOTAL MAX EXIT CAPACITY ALLOWABLE
NUMBER OF OCCUPANT EXITING THROUGH PROVIDED EXIT
TOTAL MAXIMUM EXIT CAPACITY ALLOWABLE
CLEAR WIDTH OF DOOR IN INCHES.
- ?? INDICATES NUMBER OF OCCUPANT EXITING THROUGH PROVIDED EXIT.
- EXIT EXIT LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS FOR TYPE.
- EMERGENCY LIGHTING FIXTURE, SEE ELECTRICAL DRAWINGS FOR TYPE.
- FE WALL MOUNTED FIRE EXTINGUISHER TYPE 2A10BC MAXIMUM TRAVEL FROM ANY POINT TO AN EXTINGUISHER TO BE 75'. VERIFY ALL REQUIREMENTS WITH THE LOCAL FIRE DEPARTMENT.
- NOTE: APPROVED PORTABLE FIRE EXTINGUISHERS TO BE PROVIDED FOR THE FACILITY WITH THE MINIMUM RATED CAPACITY AND TRAVEL DISTANCE BASED UPON ANTICIPATED HAZARD PER IFC TABLES 906.3(1) AND 906.3(2). EXTINGUISHERS WILL BE LOCATED IN APPROVED AND ACCESSIBLE LOCATIONS. FINAL LOCATIONS WILL BE SUBJECT TO THE APPROVAL OF THE FIELD INSPECTOR.
- FACP FIRE ALARM CONTROL PANEL, SEE ELECTRICAL DRAWINGS.
- S SMOKE DETECTOR, SEE ELECTRICAL DRAWINGS.
- V VISUAL (STROBE) ONLY SIGNALING DEVICE, SEE ELECTRICAL DRAWINGS.
- E MANUAL PULL STATION, SEE ELECTRICAL DRAWINGS.
- FE COMBINATION AUDIBLE/VISUAL (HORN/STROBE) SIGNALING DEVICE, SEE ELECTRICAL DRAWINGS.

ABBREVIATIONS

- FP FARTHEST POINT
TD TRAVEL DISTANCE
FE FIRE EXTINGUISHER



GENERAL NOTES

COMPLETE ALL DEMOLITION WORK INDICATED OR NECESSARY FOR THE COMPLETION OF THE (N) WORK INCLUDING LABOR SUPERVISION, TOOLS, MATERIALS, PERMITS, ETC. REQUIRED FOR REMOVAL OF (E) FLOORS, WALLS, CEILINGS, FIXTURES, DUCTWORK & ETC.

1) ALL WORK MUST COMPLY WITH APPLICABLE LOCAL, STATE & FEDERAL CODES, STANDARDS & ETC.

2) WORKMANSHIP SHALL BE FIRST CLASS, NEAT & SAFE THROUGHOUT & PERFORMED BY COMPETENT AND EXPERIENCED WORKMAN. CONSTANT SUPERVISION OR WORK BY G.C. SHALL BE MAINTAINED.

3) UPON TERMINATION OF WORK PROMPTLY REMOVE ALL TOOLS, SCAFFOLDS, SURPLUS MATERIALS, DEBRIS, RUBBISH & OTHER ITEMS RESULTING FROM THE DEMOLITION WORK.

4) THE OWNER, ARCHITECT, DESIGNER ASSUME NO RESPONSIBILITY FOR ACTUAL CONDITION OF STRUCTURES, EQUIPMENT & ETC. TO BE DEMOLISHED.

8) OWNER RESERVES THE RIGHT OF REMOVE & SALVAGE ITEMS PRIOR TO THE START OF THE WORK SUCH AS DOOR(S), WINDOW(S), HARDWARE, LIGHT FIXTURE(S), PLUMBING FIXTURE(S), ETC. U.O.N..

7) REMOVE ITEMS WITH CARE & STACK NEATLY, NO SPECIAL CLEANING & STRIPPING OF SALVAGE ITEMS ARE REQUIRED UNLESS THEY ARE TO BE REINSTALLED.

8) REMOVE ITEMS FROM PREMISES AS WORK PROGRESSES. STORE OR SALE OF ITEMS ON SITE IS NOT PERMITTED WITHOUT OWNER'S PERMISSION.

9) USE OF EXPLOSIVES WILL NOT PERMITTED.

10) CONDUCT DEMOLITION & REMOVAL OF DEBRIS TO INSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS & OTHER ADJACENT OCCUPIED OR USED FACILITIES.

11) PROVIDE PROTECTIVE DEVICES TO INSURE THE SAFE PASSAGE OF PERSONS AROUND THE DEMOLITION AREA. CONDUCT OPERATIONS TO PREVENT DAMAGE BY FALLING DEBRIS TO ADJACENT BUILDINGS, TREES, STRUCTURES, PERSONS & ETC. PROVIDE INTERIOR & EXTERIOR SHORING, BRACING S ETC. TO PREVENT MOVEMENT, SETTLEMENT OR COLLAPSE OF STRUCTURES TO BE DEMOLISHED & FACILITIES TO REMAIN. IF REQUIRED, ERECT A 2 X 4 FRAME WITH MINIMUM 1/2" EXT. PLYWOOD SHEATHING CONSTRUCTION BARRIER SHALL BE 8MT HIGH & HAVE A LOCKED DOOR FOR ACCESS. THE TOP PLATE SHALL BE BRACED BACK TO BUILDING STRUCTURE MINIMUM AMOUNT OF POWER SHOOTS INTO SIDEWALK (MAKE ANY REQUIRED REPAIRS TO SIDEWALK WHEN BARRIER IS REMOVED). LOCATE BARRIER NO MORE THAN 4'-0" FROM BUILDING LINE (LESS IF REQUIRED BY BUILDING DEPARTMENT).

12) PROVIDE ADEQUATE FIRE PROTECTION DURING DEMOLITION WORK. PLACE FIRE EXTINGUISHERS AT JOB SITE (TYPE & LOCATION AS DIRECTED BY FIRE INSPECTOR). ALSO ANY (E) SPRINKLER SYSTEM SHALL BE MAINTAINED S NOT SHUT DOWN (WHERE NECESSARY, PROVIDE TEMPORARY SUPPORT UNTIL (N) PIPING LAYOUT IS COMPLETED).

13) PROMPTLY REPAIR ALL DAMAGE CAUSED TO ADJACENT FACILITIES BY DEMOLITION WORK OR AS DIRECTED S AT NO ADDITIONAL COST OF OWNER.

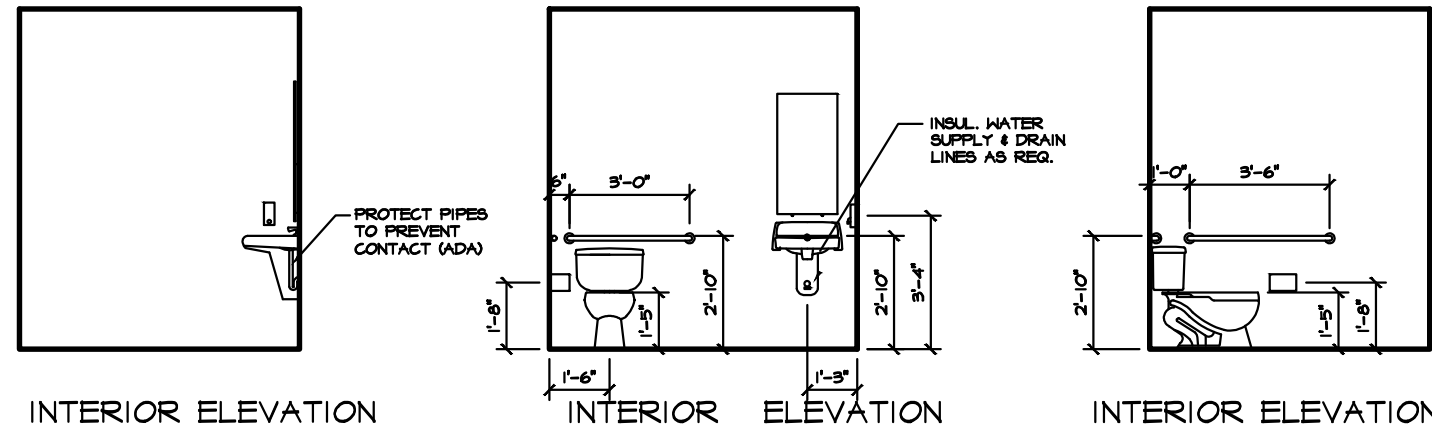
14) SHUT OFF AND/OR DISCONNECT UTILITIES SERVICING THE PROJECT AS REQUIRED BY THE SCOPE OF WORK IF POSSIBLE. REMOVE UTILITY LINES BACK TO MAIN SWITCHES, SHUT-OFF VALVES OR METERS. PROVIDE TEMPORARY POWER OUTLETS, LIGHTS, HOSE BIB WITH WATER TO ALLOW FOR PROPER DEMOLITION WORK.

15) USE SUITABLE METHODS AS NECESSARY TO LIMIT THE AMOUNT OF DUST & DIRT RISING AND SCATTERING IN THE AIR TO THE LOWEST LEVEL OF AIR POLLUTION PRACTICAL FOR THE CONDITION OF WORK (COMPLY WITH GOVERNING REGULATIONS).

18) G.C. SHALL INSURE THAT THE CONCRETE FLOOR IS SMOOTH & LEVEL TO RECEIVE (NO FLOORING MATERIAL AFTER DEMOLITION IS COMPLETED, THERE SHALL BE NO SLOPES GREATER THAN PROPOSED FLOOR SLOPES INDICATED IN THESE DRAWINGS. THIS WORK SHALL BE INCLUDED IN THE CONTRACTORS BID.

GENERAL NOTES

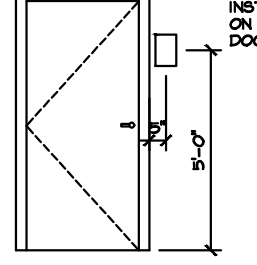
- FOR ALL STRUCTURAL ELEMENTS AND INFORMATION, SEE STRUCTURAL DRAWINGS PREPARED BY SELECT STRUCTURAL ENGINEERING.
- FOR ALL MECHANICAL (HVAC), PLUMBING, ELECTRICAL & FIRE ALARM SYSTEM ELEMENTS AND INFORMATION, SEE DRAWINGS PREPARED BY VHS ENGINEERS.
- SEE ELECTRICAL DRAWINGS AND LIFE SAFETY PLAN FOR EXIT SIGN LOCATIONS AND PANIC HARDWARE LOCATIONS.
- SEE SHEET A002 FOR COMPLETE ACCESSIBILITY DIMENSION AND INFORMATION.
- TIRE RACK STORAGE MUST COMPLY WITH GEORGIA STATE MINIMUM FIRE PREVENTION CODE, SECTION 3409 OF INDOOR STORAGE ARRANGEMENTS AS FOLLOWS: 3409.1 PILE DIMENSIONS, WHERE TIRES ARE STORED ON TREAD, THE DIMENSION OF THE PILE IN THE DIRECTION OF THE WHEEL HOLE SHALL NOT BE MORE THAN 50 FEET (15 240 MM). TIRES STORED ADJACENT TO OR ALONG ONE WALL SHALL NOT EXTEND MORE THAN 25 FEET (7620 MM) FROM WALL. OTHER PILES SHALL NOT BE MORE THAN 50 FEET (15 240 MM) IN WIDTH. NOTE: TIRE RACK SYSTEM TO BE DESIGNED BY THE TIRE RACK SUPPLIER AND COORDINATED WITH THE OWNER.



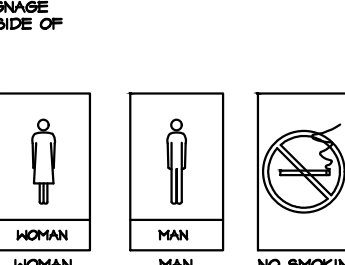
INTERIOR ELEVATION

INTERIOR ELEVATION

INTERIOR ELEVATION



INTERIOR ELEVATION



INTERIOR ELEVATION

TOILET ROOM NOTES:

TOILET COMPARTMENTS - SHALL COMPLY WITH ALL OF THE FOLLOWING REQUIREMENTS AND THE SHALL BE 40 INCHES WIDE. ENTRY RECESSED PERPENDICULAR TO THE SIDE WALL AND 36 INCHES DEEP. ENTRY FOR WALL HANG WATER CLOSETS AND 36 INCHES DEEP. ENTRY FOR FLOOR MOUNTED WATER CLOSETS RECESSED PERPENDICULAR TO THE WALL. SECTION 05100.01 OF THE 2000 ADA STANDARD FOR ACCESSIBLE DESIGN. (A) NEW SHALL USE RECESSED. WATER CLOSET SEAT - THE SEAT HEIGHT OF A WATER CLOSET ABOVE THE FINISHED FLOOR SHALL BE 17 INCHES MINIMUM AND 19 INCHES MAXIMUM. RECESSED TO THE TOP OF THE SEAT. IN RECESSED (INCLUDING INTO THE HEIGHT OF THE WATER CLOSET SEAT) SHALL BE 15 INCHES TO 19 INCHES IN HEIGHT ABOVE THE FINISHED FLOOR. 2000 ADA STANDARD FOR ACCESSIBLE DESIGN.

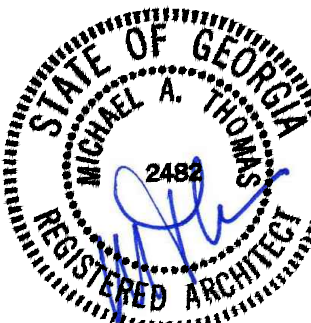
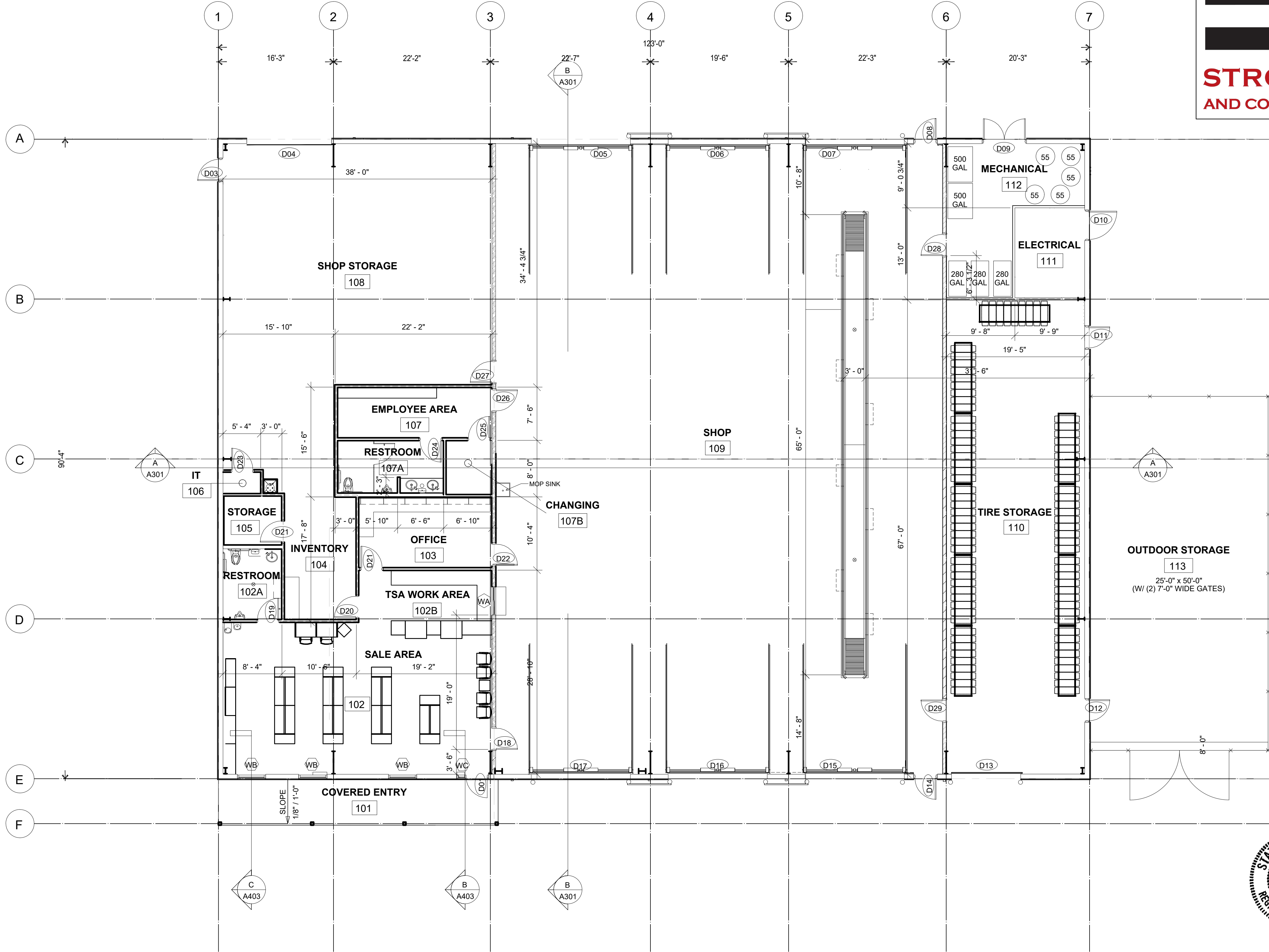
GRAB BARS - THE REAR WALL GRAB BAR SHALL BE 36 INCHES LONG. MINIMUM AND EXTEND FROM THE CONTINUE OF THE WATER CLOSET 12 INCHES MINIMUM ON ONE SIDE AND 24 INCHES MINIMUM ON THE OTHER SIDE. THE SIDE WALL GRAB BAR SHALL BE 42 INCHES LONG. MINIMUM. LOCATED 12 INCHES MINIMUM FROM THE REAR WALL AND EXTENDING 30 INCHES MINIMUM FROM THE REAR WALL. SECTION 05100.01 OF THE 2000 ADA STANDARD FOR ACCESSIBLE DESIGN.

FLUSH CONTROLS - SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE LOCATED ON THE OTHER SIDE OF THE WATER CLOSET FOR SECTION 05100.01 OF THE 2000 ADA STANDARD FOR ACCESSIBLE DESIGN. OPERATOR - WHEN OPERATOR ARE PROVIDED, THEY SHALL BE LOCATED ABOVE LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 40 INCHES MINIMUM ABOVE THE FINISHED FLOOR. PROVIDER NOT LOCATED ABOVE LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 40 INCHES MINIMUM ABOVE THE FINISHED FLOOR. PER SECTION 05100.01 OF THE 2000 ADA STANDARD FOR ACCESSIBLE DESIGN.

URINALS - WHERE MORE THAN ONE URINAL IS PROVIDED AT LEAST ONE SHALL COMPLY WITH SECTION 05100.01 OF THE 2000 ADA STANDARD FOR ACCESSIBLE DESIGN. URINALS SHALL BE 48 INCHES DEEP. ENTRY RECESSED FROM THE OTHER SIDE OF THE URINAL. ENTRY TO THE END OF THE URINAL. SECTION 05100.01 OF THE 2000 ADA STANDARD FOR ACCESSIBLE DESIGN.

LAVATORIES AND SINKS - SHALL BE INSTALLED WITH THE FRONT OF THE SINK OR COUNTER SURFACE 40 INCHES MINIMUM ABOVE THE FINISHED FLOOR AND SHALL BE PROVIDED WITH A CLEAR FLOOR SPACE. PROVIDING FOR A FORWARD APPROACH, AND REAR AND SIDE CLEARANCE. COMPLYING WITH SECTION 306 SHALL BE PROVIDED. 2000 ADA STANDARD FOR ACCESSIBLE DESIGN. SECTION 05100.01 OF THE 2000 ADA STANDARD FOR ACCESSIBLE DESIGN.

EXPOSED PIPES AND SURFACES - HOT WATER AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE PROTECTED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES FOR 2000 ADA STANDARD FOR ACCESSIBLE DESIGN.





GENERAL NOTES

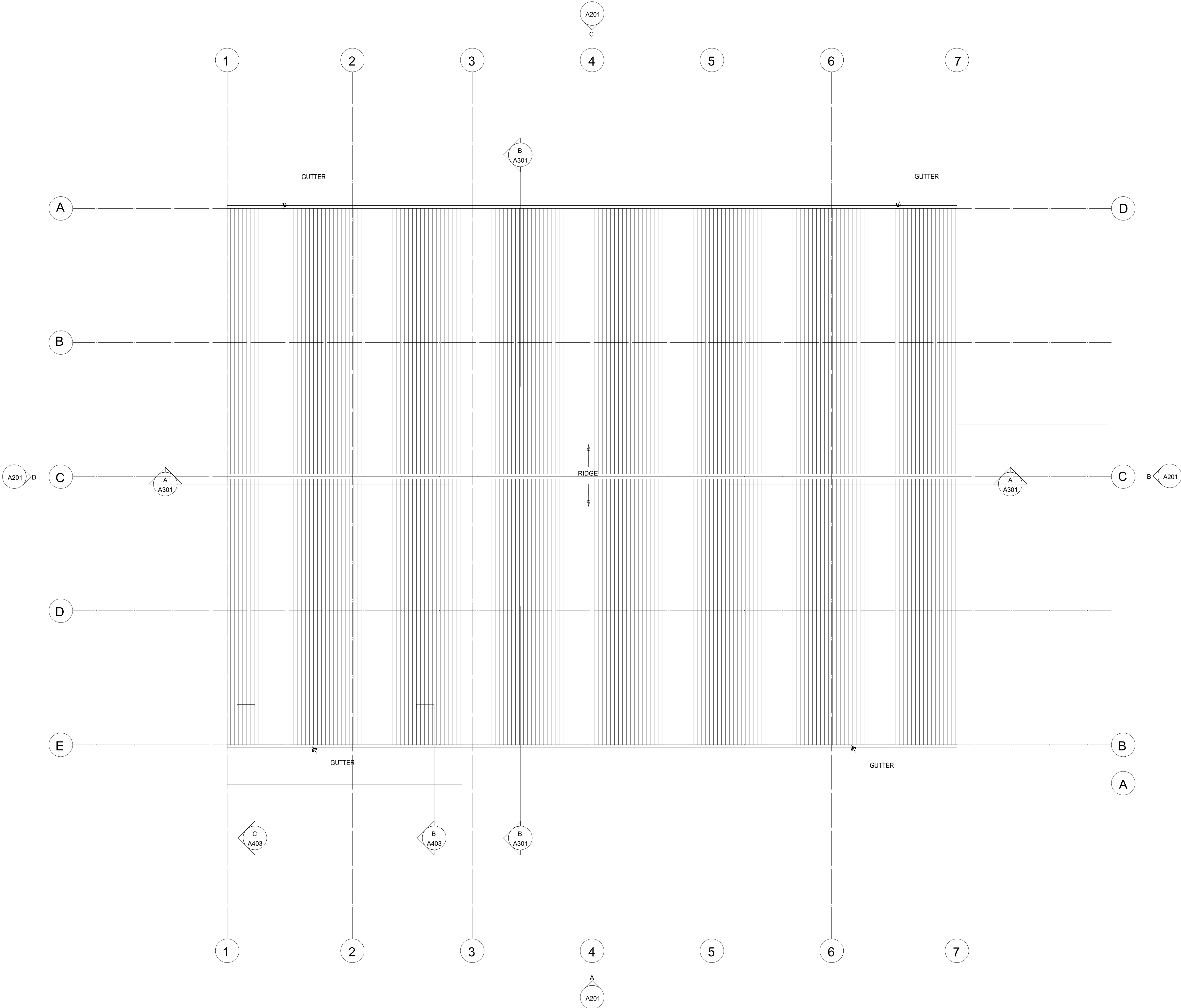
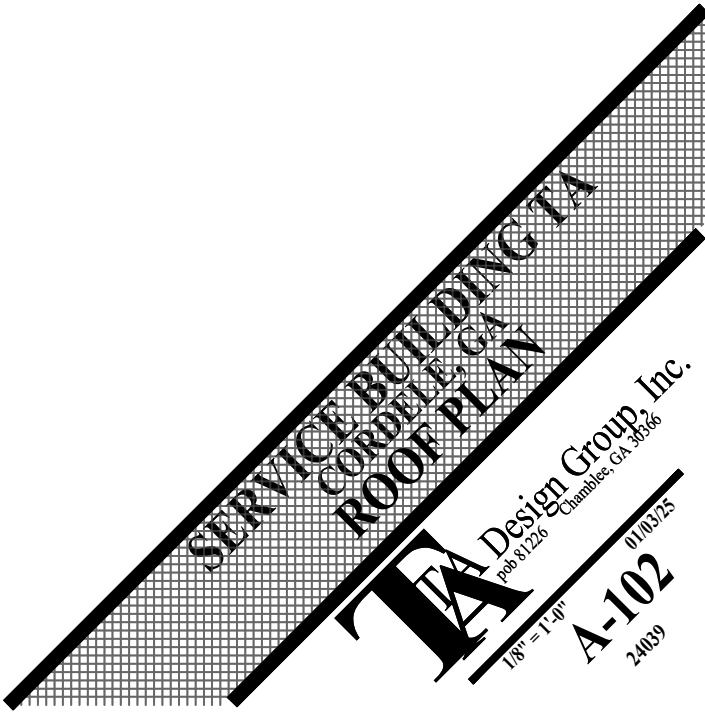
- A. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR ROOF PENETRATION LOCATIONS AND DETAILS.
- B. TYPICAL ROOF SLOPE = 1/4" PER FOOT. DIRECTION OF SLOPE
- C. FLAT ROOF MATERIAL TO BE TPO ROOFING (THERMOPLASTIC POLYOLEFIN) OVER TAPERED ROOFING INSULATION (1-1/2" MINIMUM THICKNESS) OVER CONCRETE TOPPING UNO. SLOPE ROOF TO SCUPPER, TYPICAL.

ABBREVIATIONS

- S/D SCUPPER WITH DOWNSPOUT
OS OVERFLOW SCUPPER

KEY NOTES

- 1 ALUMINUM FLAT PAN AWNING WITH GUTTER (COLOR AND STYLE SELECTED BY OWNER) BY AAA AWNING CO. INC. OR EQUAL.
- 2 FIXED ROOF ACCESS LADDER W/ CAGE AND WALK-THRU BY PRECISION LADDERS, LLC OR EQUAL.
- 3 ALUMINUM BOX DRAIN SCUPPER W/ COLLECTOR BOX AND DOWN SPOUT W/ MATCHING OVERFLOW SCUPPER. SEE DETAIL 7/A507.



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



**STROUD
AND COMPANY**

GENERAL NOTES

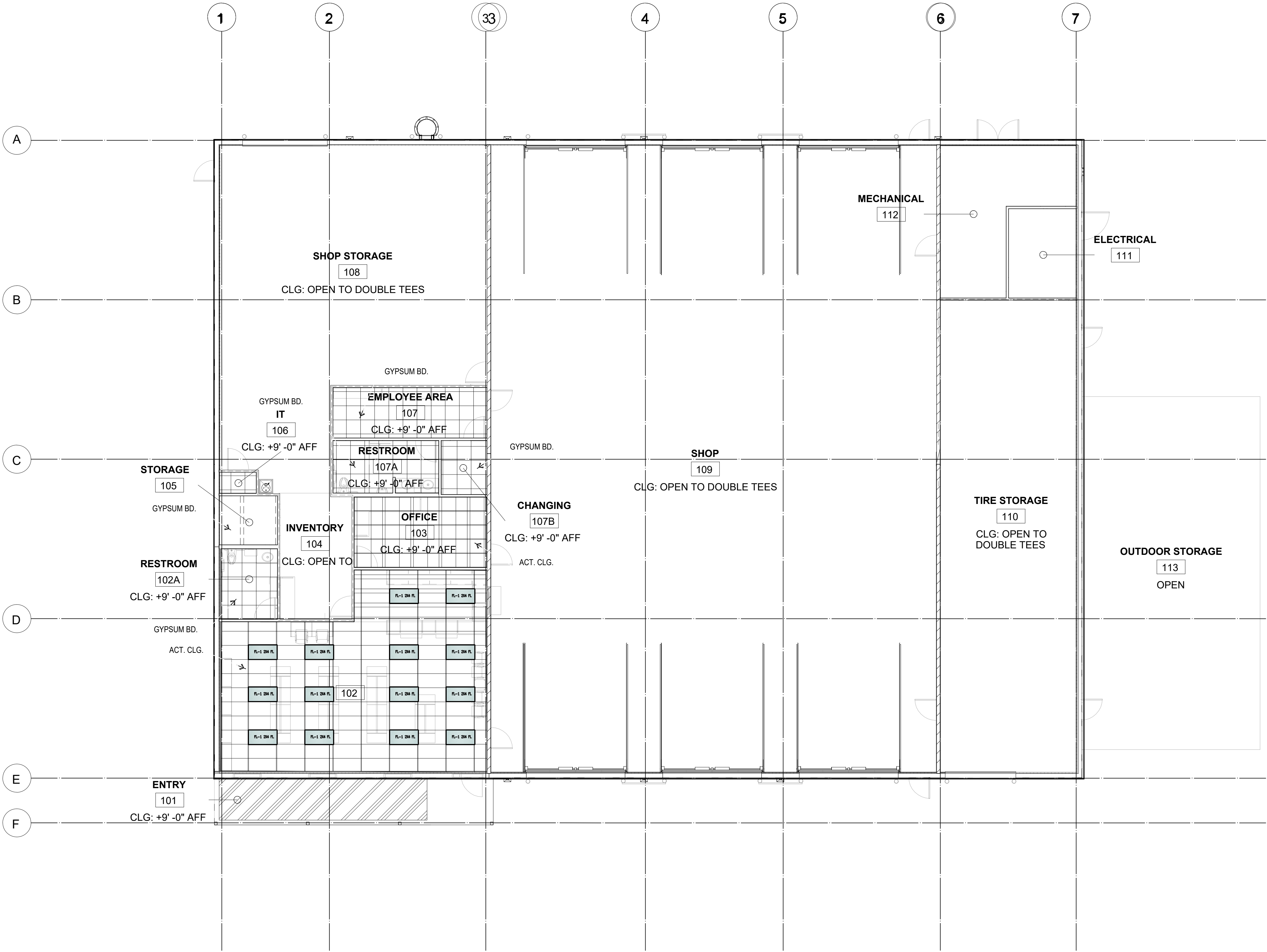
- A. ALL CEILING GRIDS ARE CENTERED IN ROOM UNLESS SHOWN OTHERWISE.
- B. THIS DRAWING IS TO BE USED IN CONJUNCTION WITH THE ENGINEERIN DRAWINGS. REFER TO ENGINEERING DRAWINGS FR COMPLETE LIGHT FIXTURE SCHEDULE.
- C. ALL SPRINKLER HEADS, DOWNLIGHTS, EXIT SIGNS AND OTHER CEILING COMPONENTS SHALL BE LOCATED IN THE CENTER OF THE CEILING TILE / GYPSUM WALL BOARD CEILING UNLESS SHOWN OTHERWISE.
- D. ALL DIFFUSERE AND RETURNS SHALL HAVE FRAMES COMPATIBLE WITH THE CEILING STSTEM IN WHICH IT IS BEING INSTALLED FOR FLUSH FIT.
- E. ALL DOWNLIGHT SHALL BE SELF-FLANGING.
- F. CONTRACTOR TO PROVIDE SUPPORT / BLOCKING FOR ALL SIGNAGE AND EQUIPMENT AS REQUIRED. LOCATION AND WEIGHT SHALL BE COORDINATED WITH SUPPLIERS AND SHOWN AS APPLICABLE ON THE SHOP DRAWINGS.

ABBREVIATIONS

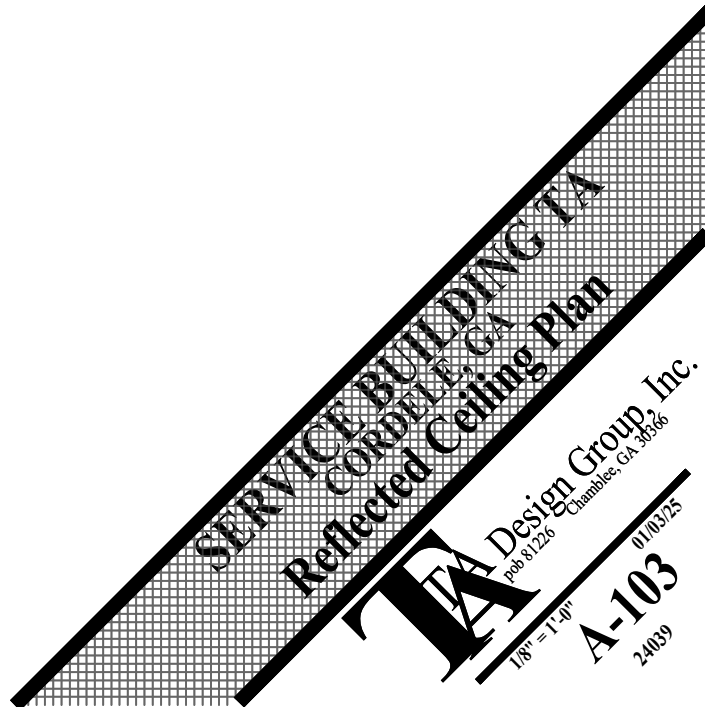
AFFABOVE FINISH FLOOR
CLGCEILING

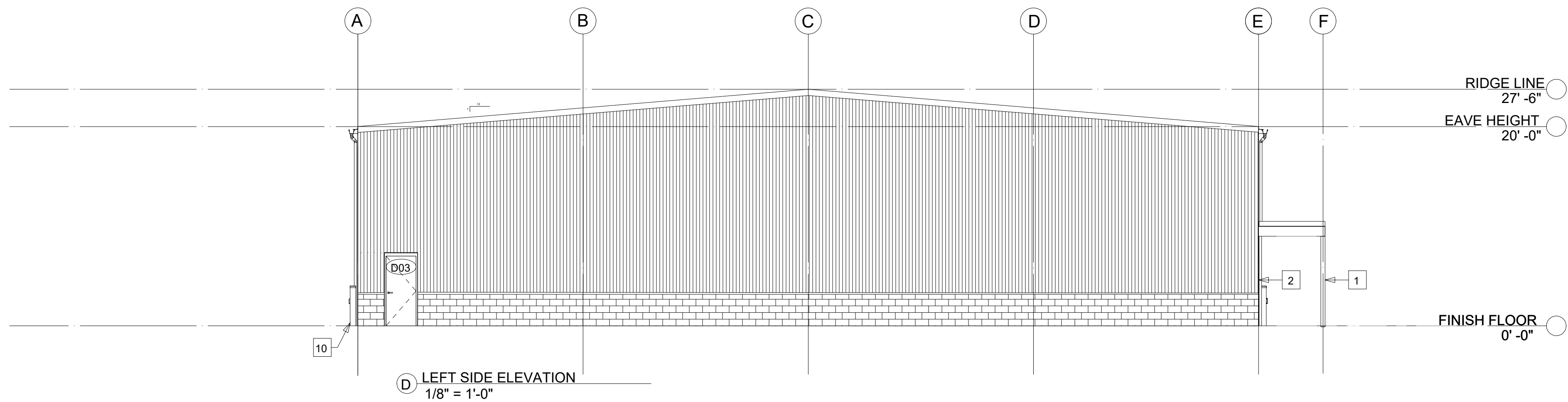
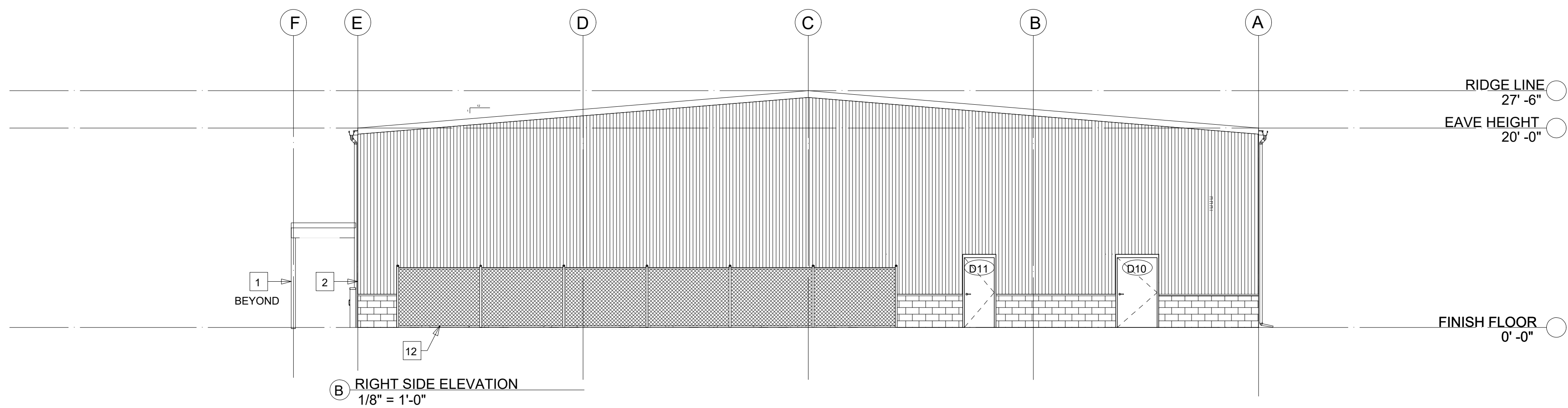
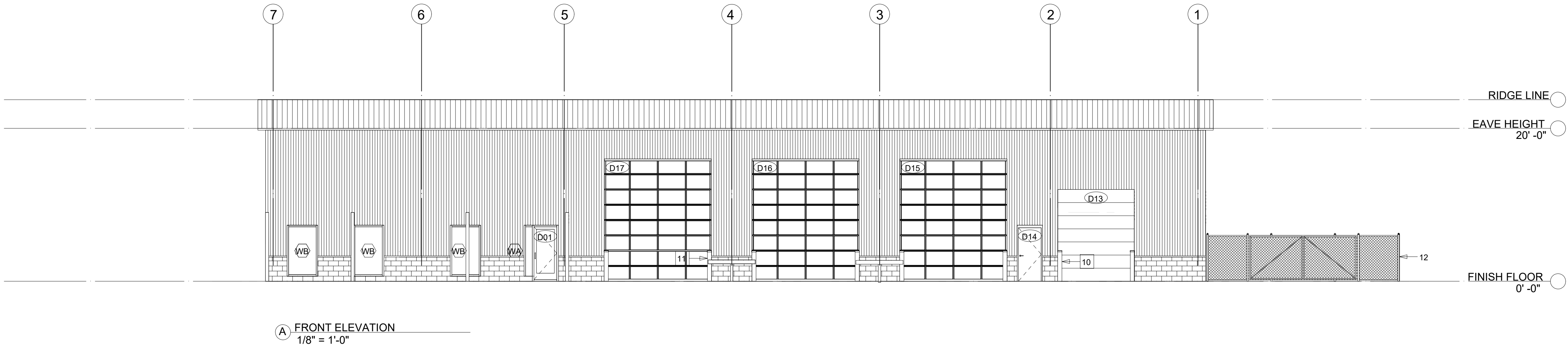
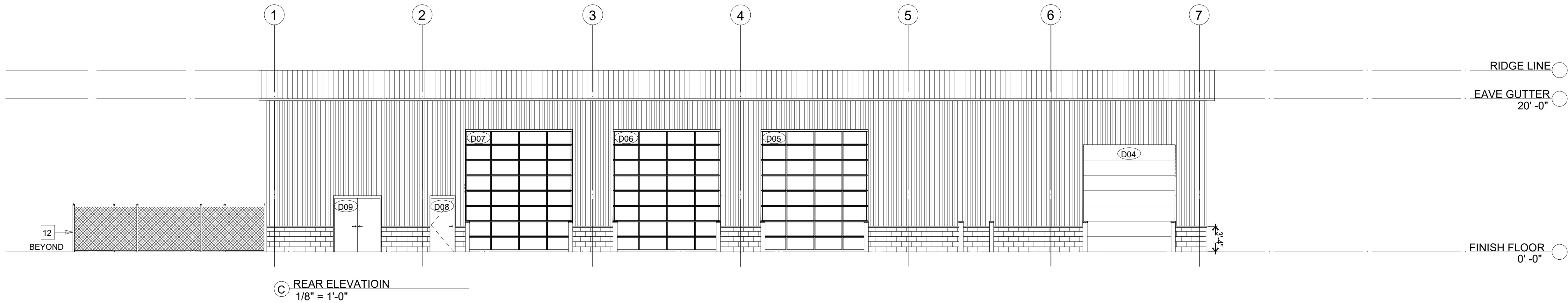
CEILING LEGEND

- INDICATES WALL PARTITION TO EXTEND TO THE UNDERSIDE OF STRUCTURE ABOVE.
- INDICATES WALL PARTITION TO EXTEND 6" MINIMUM ABOVE CEILING HEIGHT, TYPICAL.
- INDICATES 1/2" SAG-RESISTANT GYPSUM WALL BOARD ATTACHED TO 3-5/8" METAL FRAMING MEMBERS AT 16" OC (CEILING EXPOSED TO WEATHER).
- INDICATES



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





GENERAL NOTES

A. TYPICAL EXTERIOR CLADDING

B. ALL BUILDING MOUNTED EQUIPMENT, AWNINGS, ETC. SHALL BE MOUNTED AFTER EXTERIOR FINISH IS APPLIED AND PAINTED. IF SEQUENCING OF CONSTRUCTION REQUIRES MOUNTING PRIOR TO THIS, CONTRACTOR SHALL SUBMIT METHOD OF MOUNTING AND WATERPROOFING TO ARCHITECT FOR APPROVAL. PLINTH BLOCKING REQUIRED AT ALL PENETRATIONS AND SURFACE MOUNTED FIXTURES.

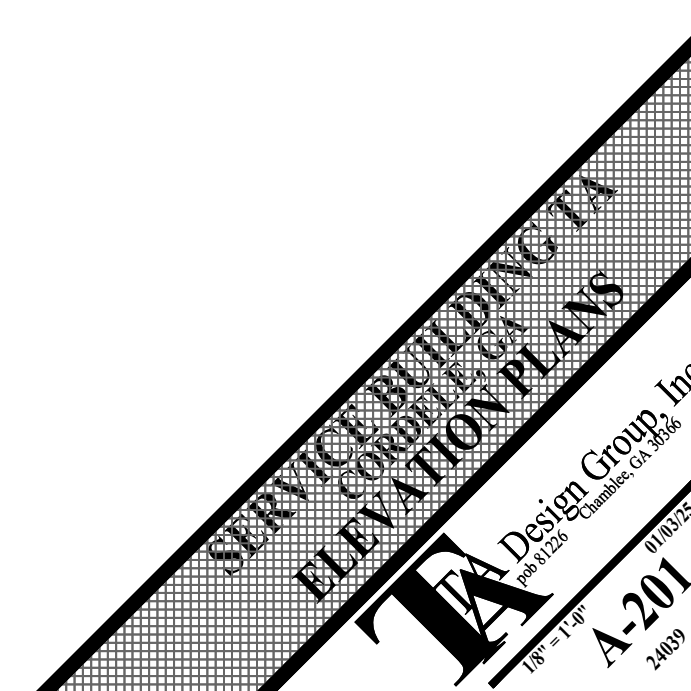
C. ALL FINISH GRADE SHALL BE MINIMUM 4" FOR FINISH FLOOR AND SLOPE AWAY FROM BUILDING.

D. ALL ATTACHMENTS AND PENETRATIONS THROUGH THE EXTERIOR CLADDING SYSTEM MUST BE SEALED AGAINST POTENTIAL WATER INTRUSION.

E. ALL LOUVERS TO BE PAINT GRADE, AND TO BE PAINTED THE SAME COLOR AS THE ADJACENT WALL PANEL COLOR.

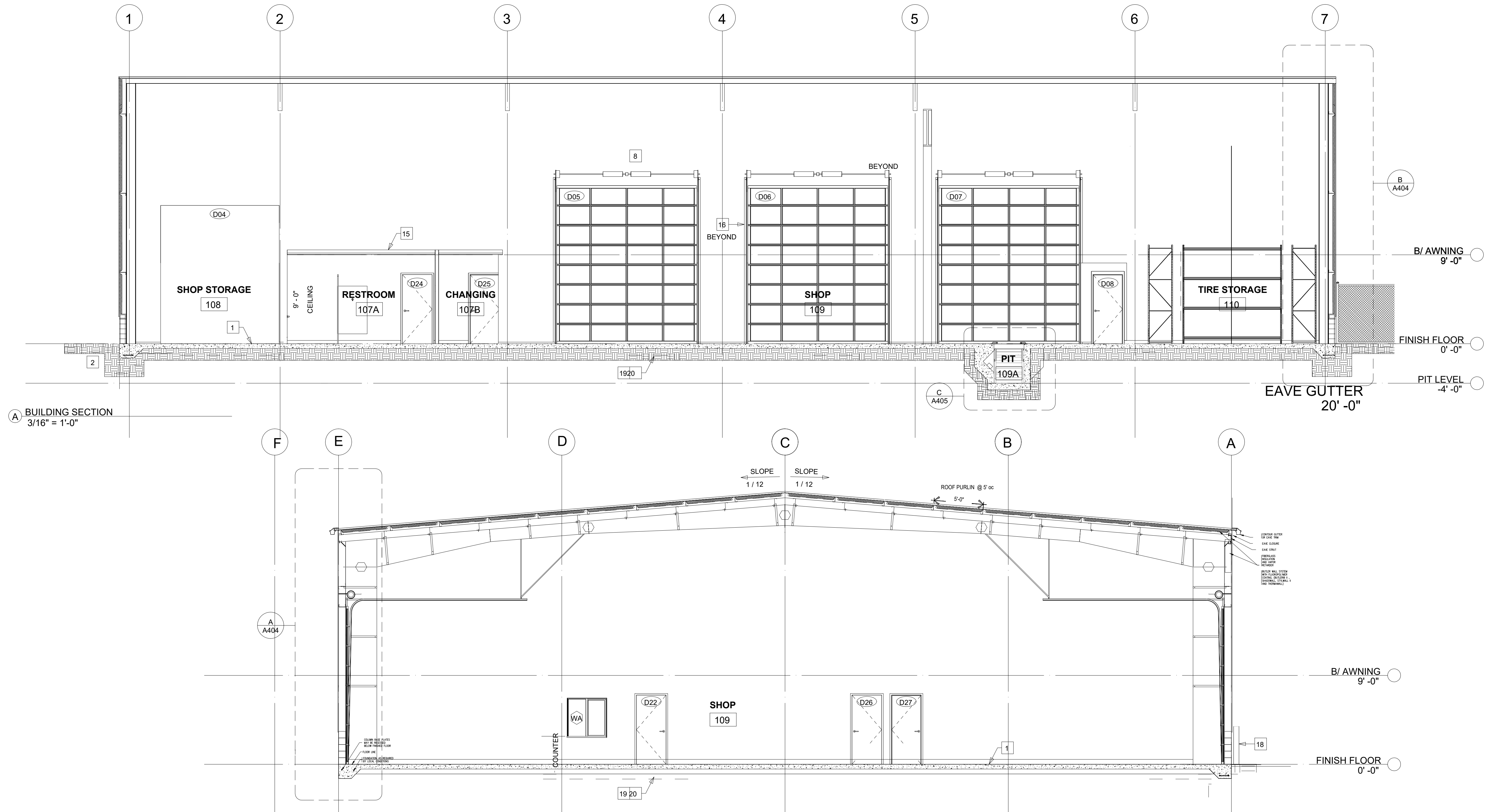
F. ALL DOWNSPOUTS TO GO TO UNDERGROUND STORM. VERIFY WITH CIVIL IF ALL DOWNSPOUTS ARE TIED TO UNDERGROUND AND IF NOT, TURN DOWNSPOUTS WITH 90° ELBOW AWAY FROM BUILDING.

G. FOR FOUNDATION, SEE STRUCTURAL DRAWINGS.





STROUD
AND COMPANY

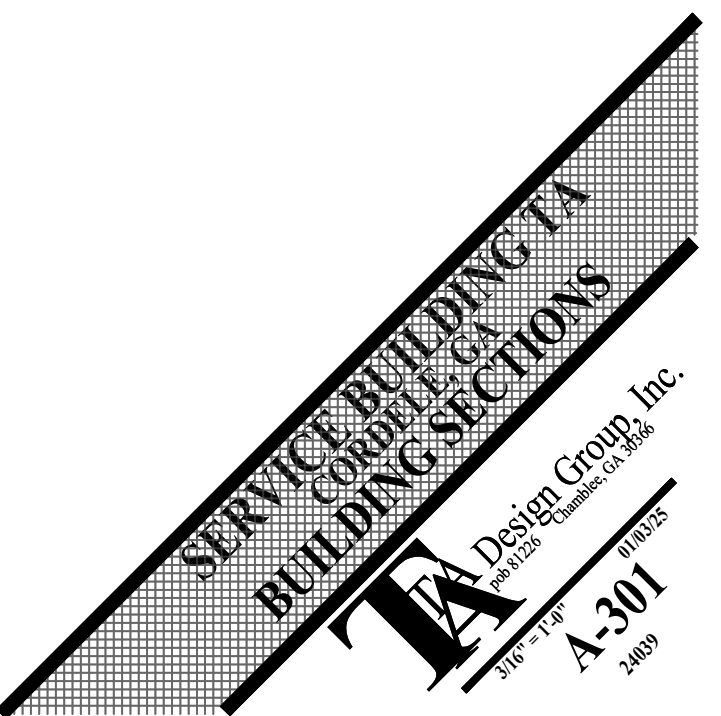


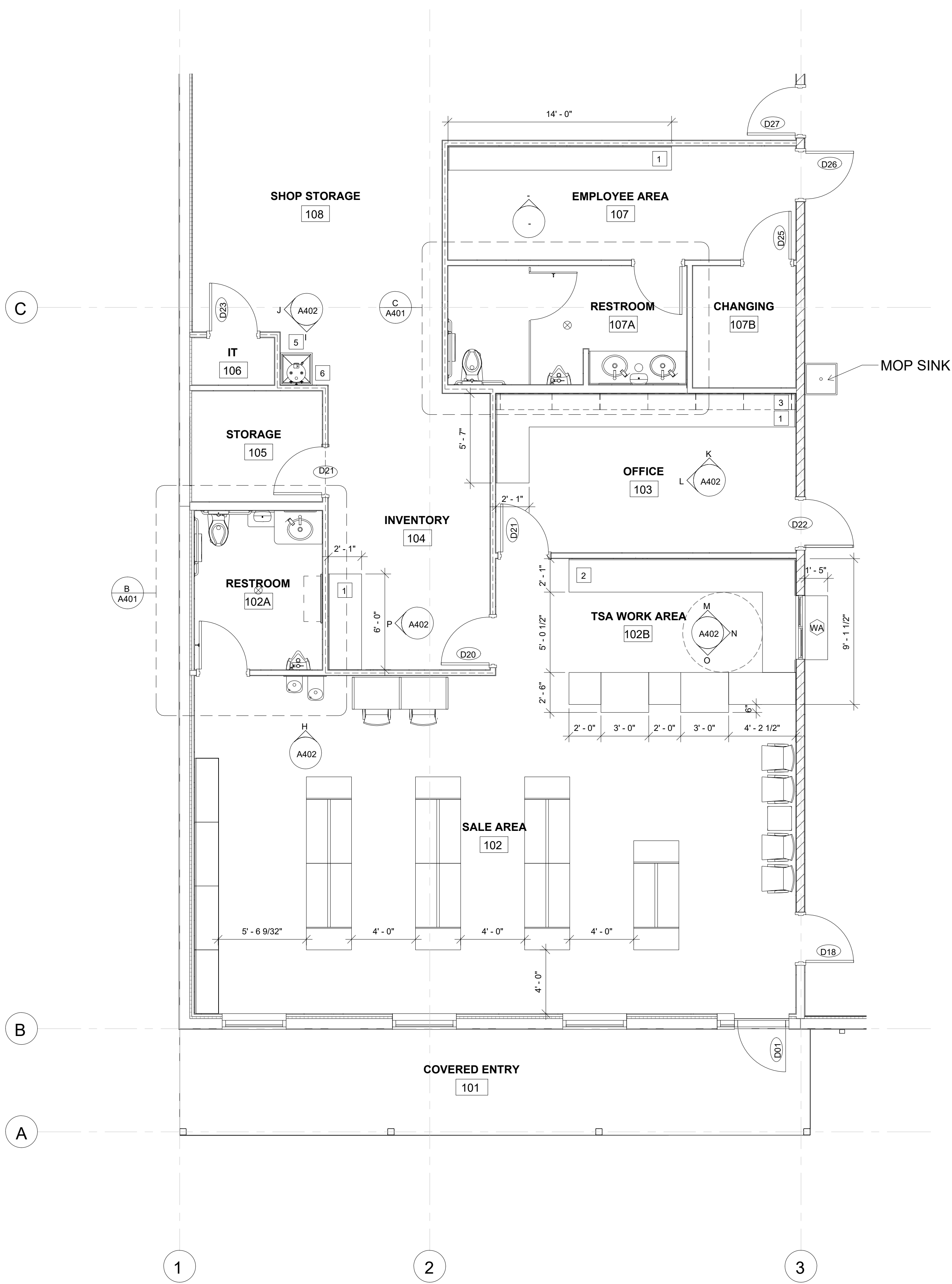
A BUILDING SECTION
3/16" = 1'-0"

B BUILDING SECTION
3/16" = 1'-0"

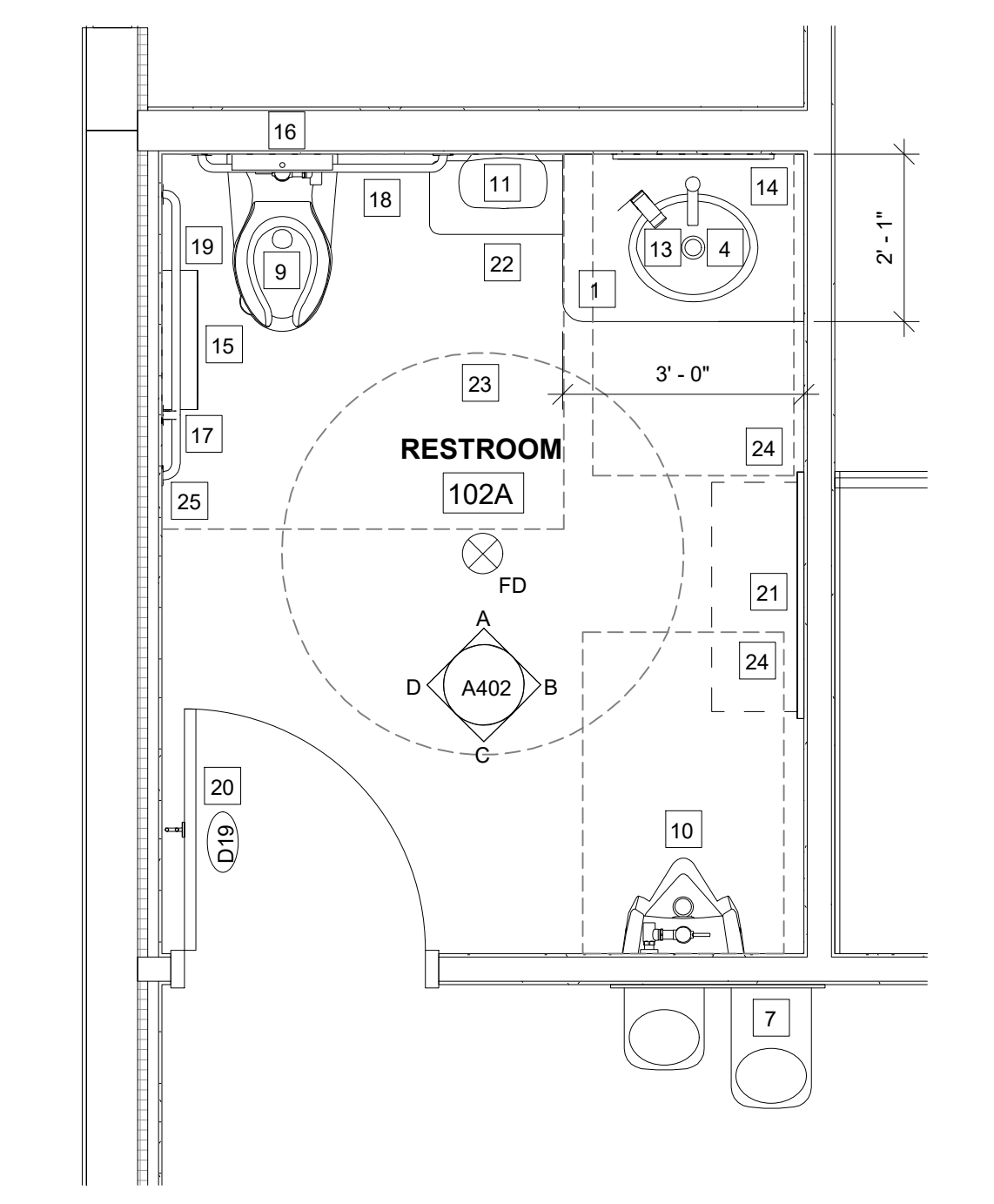
KEY NOTES

- | | | | |
|--|--|---|---|
| 1 CONCRETE SLAB ON GRADE. SEE STRUCTURAL DRAWINGS FOR SLAB THICKNESS AND REINFORCING. | FOR STRUCTURAL REVIEW. | TEES W/ 2" CONCRETE TOPPING (EXTEND TPO UP AND OVER PARAPET, TYPICAL). | 19 CLEAN FILL COMPACTED TO REQUIRED DENSITY AND TREATED FOR TERMITES. |
| 2 CONCRETE FOUNDATION. SEE STRUCTURAL DRAWINGS FOR SIZE AND REINFORCING. | 7 PRECAST INVERTED TEE BEAM. SEE STRUCTURAL DRAWINGS. SUBMIT SHOP DRAWINGS FOR STRUCTURAL REVIEW. | 12 RIGID WALL INSULATION FROM FLOOR TO UNDERSIDE OF PRECAST DOUBLE TEES. | 20 PROVIDE FROST PROTECTION PER SECTION R403.1.4.1. |
| 3 8" CMU BLOCK WALL. SEE STRUCTURAL DRAWINGS FOR REINFORCING. REFER TO EXTERIOR ELEVATIONS FOR FINISHES. | 8 PRECAST DOUBLE TEES. SEE STRUCTURAL DRAWINGS. SUBMIT SHOP DRAWINGS FOR STRUCTURAL REVIEW. | 13 CONTINUOUS ALUMINUM CAP FLASHING. | |
| 4 CONCRETE TIE BEAM. SEE STRUCTURAL DRAWINGS FOR SIZE AND REINFORCING. | 9 INTERIOR WALL PARTITION. SEE FLOOR PLAN. | 14 ALUMINUM BOX DRAIN SCUPPER W/ COLLECTOR BOX AND DOWN SPOUT W/ MATCHING OVERFLOW SCUPPER. | |
| 5 CONCRETE RIBBON BEAM. SEE STRUCTURAL DRAWINGS FOR SIZE AND REINFORCING. | 10 ALUMINUM FLAT PAN AWNING WITH GUTTER (COLOR AND STYLE SELECTED BY OWNER) BY AAA AWNING CO. INC. OR EQUAL. | 15 CEILING. SEE REFLECTED CEILING PLAN. | |
| 6 PRECAST COLUMN. SEE STRUCTURAL DRAWINGS. SUBMIT SHOP DRAWINGS | 11 TPO (THERMOPLASTIC POLYOLEFIN) ROOF SYSTEM OVER TAPERED ROOFING INSULATION OVER PRECAST DOUBLE | 16 OVERHEAD DOOR. SEE DOOR SCHEDULE. | |
| | | 17 FIXED ROOF ACCESS LADDER W/ CAGE AND WALK-THRU. | |
| | | 18 CONCRETE FILLED BOLLARD GUARD. | |

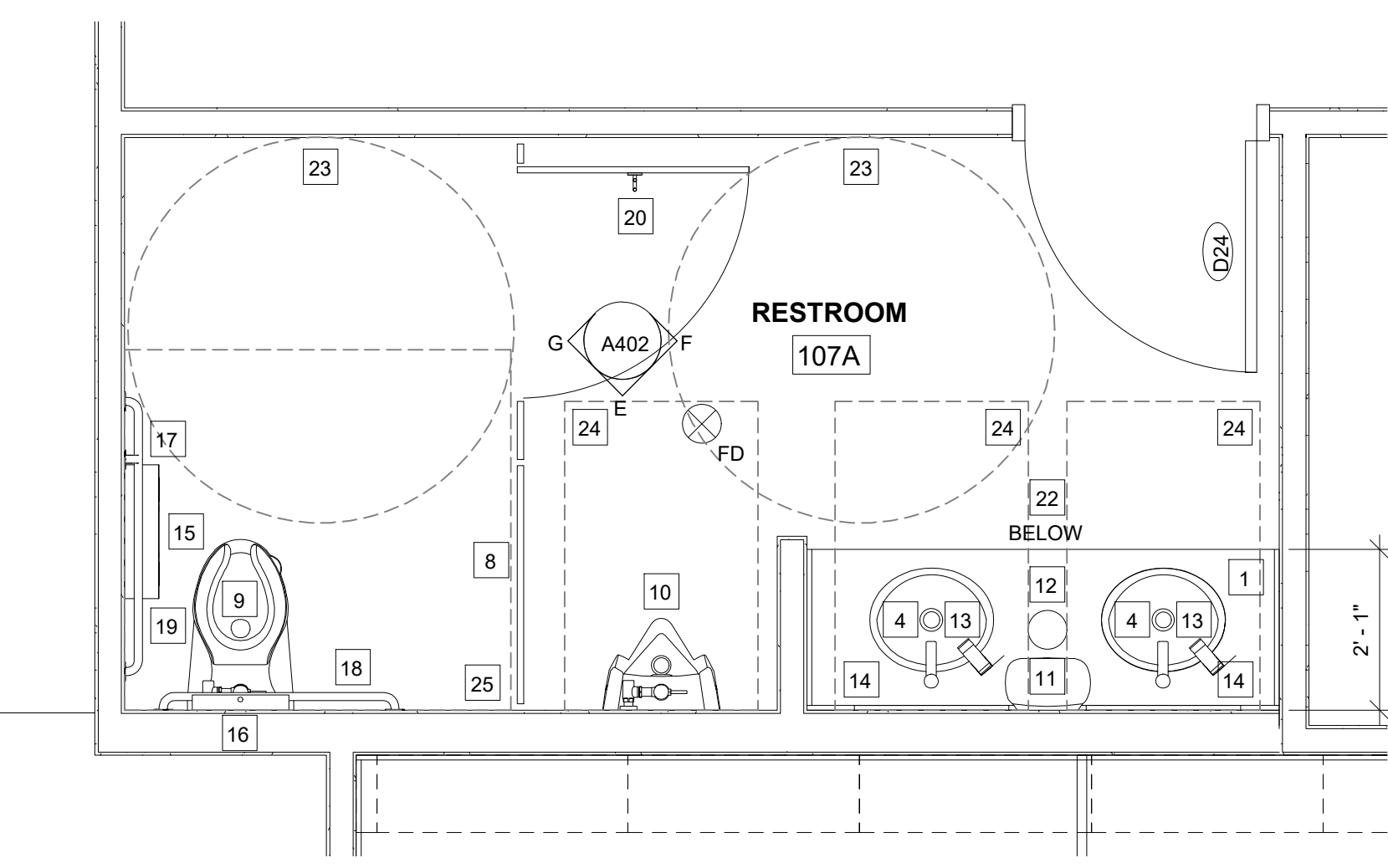




A ENLARGED FLOOR PLAN
1/4" = 1'-0"



B ENLARGED FLOOR PLAN
1/2" = 1'-0"



C ENLARGED FLOOR PLAN
1/2" = 1'-0"

GENERAL NOTES

- A. SEE SHEET A002 ADA COMPLIANCE DATA FOR MOUNT HEIGHT.
- B. GC SHALL PROVIDE ALL WALL REINFORCEMENT NECESSARY FOR COMPLETE INSTALLATION OF TOILET ACCESSORIES AS RECOMMENDED BY MANUFACTURERS.
- C. FLOOR DRAINS TO BE CENTER IN ROOM, UNLESS NOTED OTHERWISE, SEE PLUMBING DRAWINGS

ABBREVIATIONS

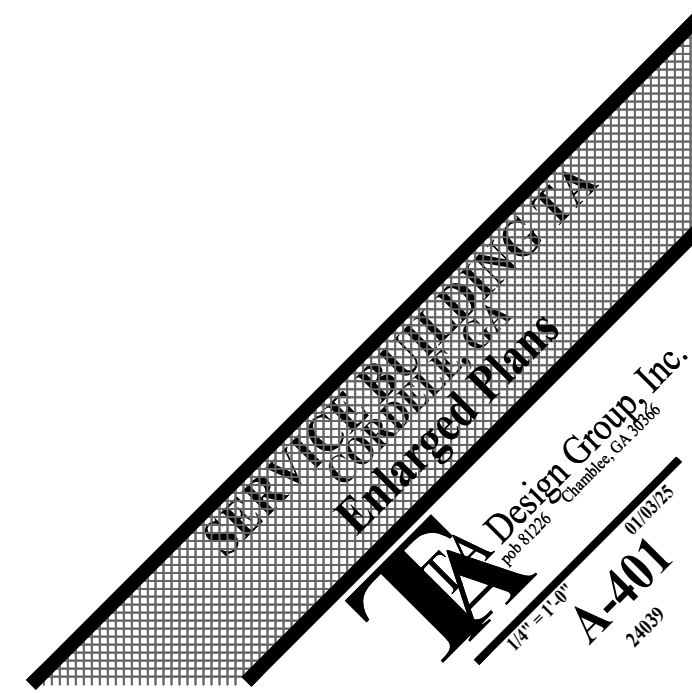
FD FLOOR DRAIN

SYMBOLS

- D?? DOOR TAG, SEE SCHEDULE ON SHEET A601
- W? WINDOW TAG, SEE SCHEDULE ON SHEET A601

KEY NOTES

- 1 WALL MOUNTED COUNTERTOP W/ 4" TALL MATCHING BACKSPLASH AND SKIRTING (SUPPORTING AS NEEDED), SEE INTERIOR ELEVATION FOR MOUNTING HEIGHT.
- 2 COUNTERTOP OVER BASE CABINETS W/ 4" TALL MATCHING BACKSPLASH, SEE INTERIOR ELEVATION FOR MOUNTING HEIGHT.
- 3 30" TALL WALL MOUNTED UPPER CABINETS (SEE CABINET SHOP DRAWINGS).
- 4 UNDERMOUNT LAVATORY SINK W/ HANDSFREE FAUCET, SEE PLUMBING DRAWINGS.
- 5 24" x 24" x 10" FLOOR MOUNTED MOP SINK W/ WALL MOUNTED FAUCET, SEE PLUMBING DRAWINGS.
- 6 HOT WATER HEATER W/ WALL MOUNTED EQUIPMENT PLATFORM, SEE INTERIOR ELEVATION FOR MOUNTING HEIGHT AND PLUMBING DRAWINGS.
- 7 WALL MOUNTED ELECTRICAL WATER COOLERS, SEE PLUMBING DRAWINGS.
- 8 TOILET PARTITION W/ 36" WIDE DOOR (ADA), SEE SHOP DRAWINGS.
- 9 WALL MOUNTED WATER CLOSET, SEE PLUMBING DRAWINGS.
- 10 WALL MOUNTED URINAL, SEE PLUMBING DRAWINGS.
- 11 SURFACE-MOUNTED PAPER TOWEL DISPENSER.
- 12 COUNTER-MOUNTED CIRCULAR WASTE CHUTE.
- 13 COUNTER-MOUNTED SOAP DISPENSER.
- 14 SURFACE-MOUNTED MIRROR (24" x 36").
- 15 SURFACE-MOUNTED TOILET TISSUE DISPENSER.
- 16 SURFACE-MOUNTED TOILET SEAT COVER DISPENSER.
- 17 18" GRAB BAR.
- 18 36" GRAB BAR.
- 19 42" GRAB BAR.
- 20 CLOTHES HOOK WITH BUMPER.
- 21 HORIZONTAL, WALL MOUNTED BABY CHANGING STATION.
- 22 SLIM TRASH CAN.
- 23 60 Ø TURN AROUND.
- 24 30" x 48" CLEAR FLOOR SPACE.
- 25 60" x 56" CLEAR FLOOR SPACE.

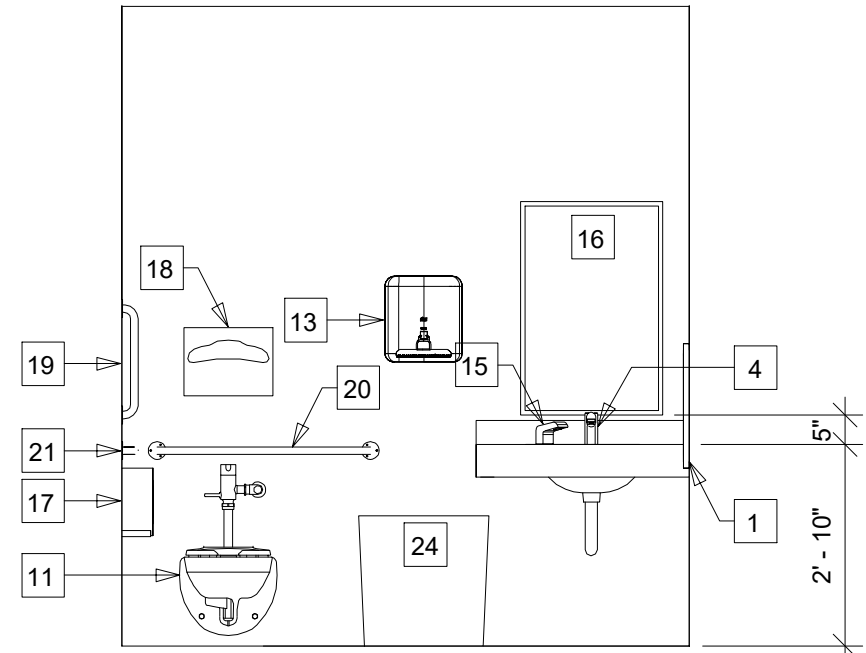


GENERAL NOTES

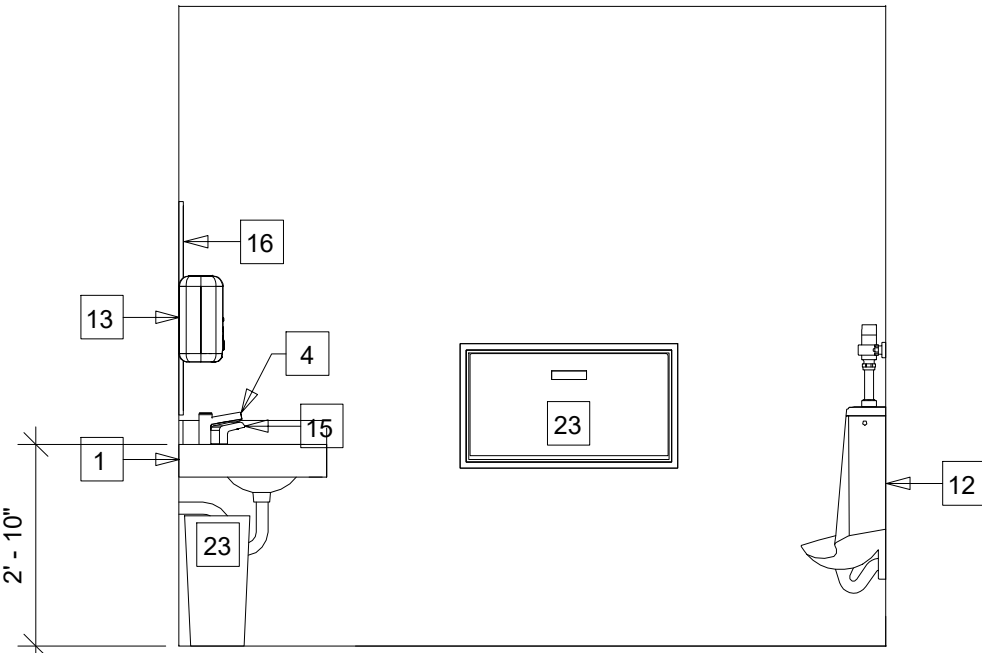
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- B. GC SHALL PROVIDE ALL WALL REINFORCEMENT NECESSARY FOR COMPLETE INSTALLATION OF TOILET ACCESSORIES AS RECOMMENDED BY MANUFACTURES.
- C. SEE FINISH SCHEDULE FOR WALL FINISHES.
- D. FOR TYPICAL WALL TILE DESIGN IN RESTROOMS, SEE TYPICAL PUBLIC RESTROOM -WALL TILE DETAIL ON SHEET A607

KEY NOTES

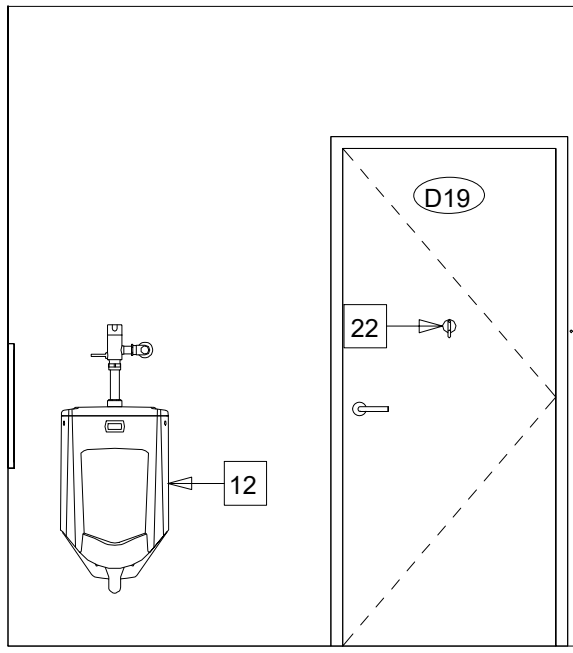
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- 2 COUNTERTOP W/ 4" TALL MATCHING BACKSPLASH OVER BASE CABINETS (SEE CABINET SHOP DRAWINGS).
- 3 30" TALL WALL MOUNTED UPPER CABINETS (SEE CABINET SHOP DRAWINGS).
- 4 UNDERMOUNT LAVATORY SINK (INSULATE PIPES) W/ HANDSFREE FAUCET, SEE PLUMBING DRAWINGS.
- 5 24" x 24" x 10" FLOOR MOUNTED MOP SINK, SEE PLUMBING DRAWINGS.
- 6 WALL MOUNTED FAUCET, SEE PLUMBING DRAWINGS.
- 7 HOT WATER HEATER, SEE PLUMBING DRAWINGS.
- 8 WALL MOUNTED EQUIPMENT PLATFORM.
- 9 WALL MOUNTED ELECTRICAL WATER COOLERS, SEE PLUMBING DRAWINGS.
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- 23 HORIZONTAL, WALL MOUNTED BABY CHANGING STATION.
- 24 SLIM TRASH CAN.
- 25 FIBERGLASS REINFORCED PLASTIC WALL PANEL.



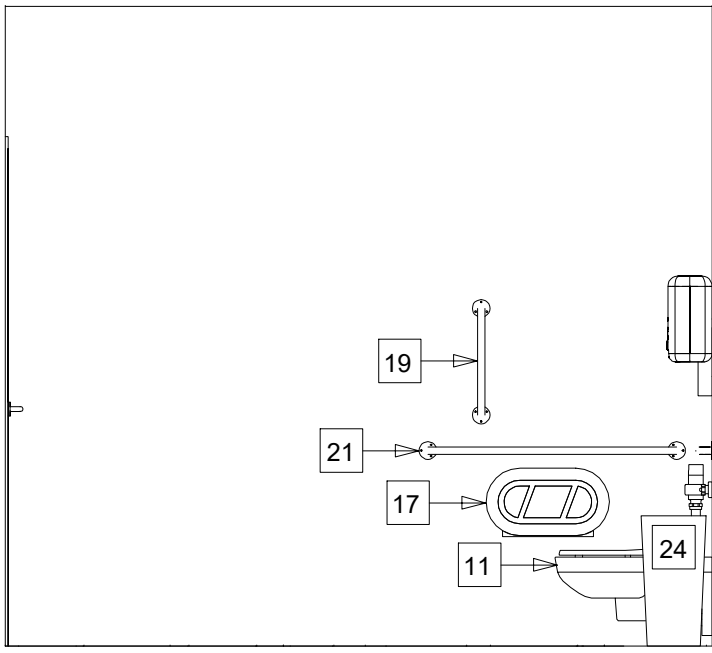
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3/8" = 1'-0"



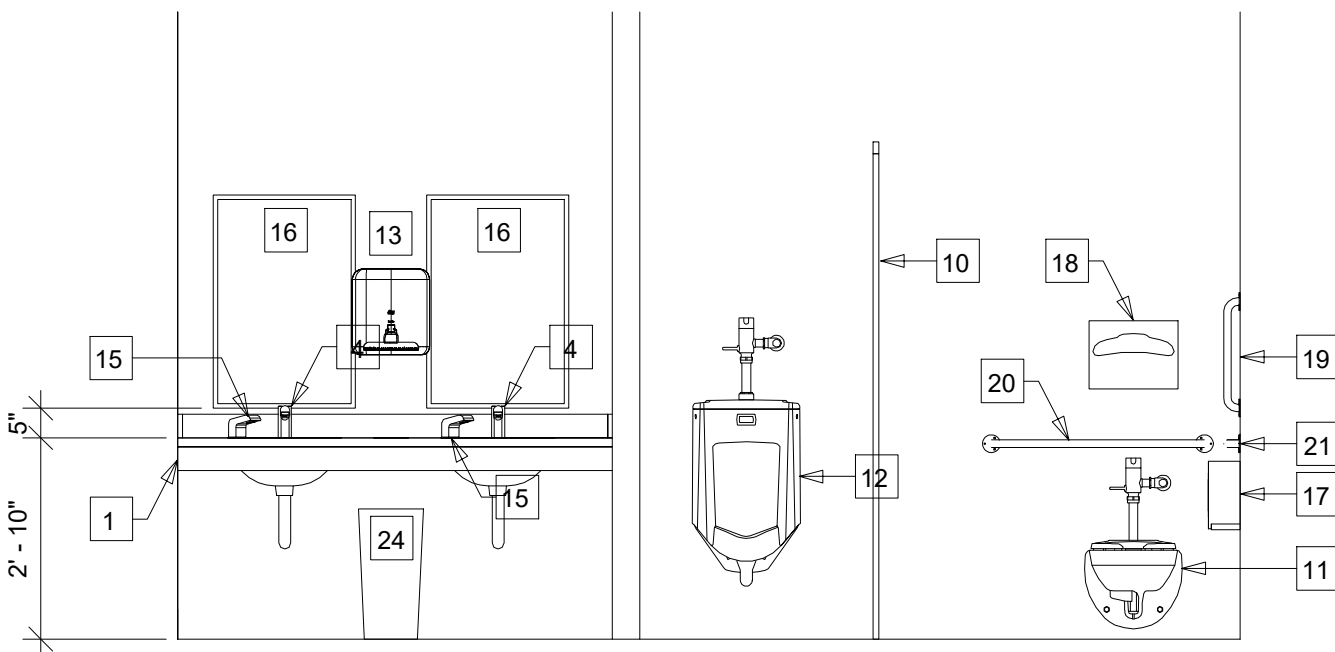
B INTERIOR ELEVATION
3/8" = 1'-0"



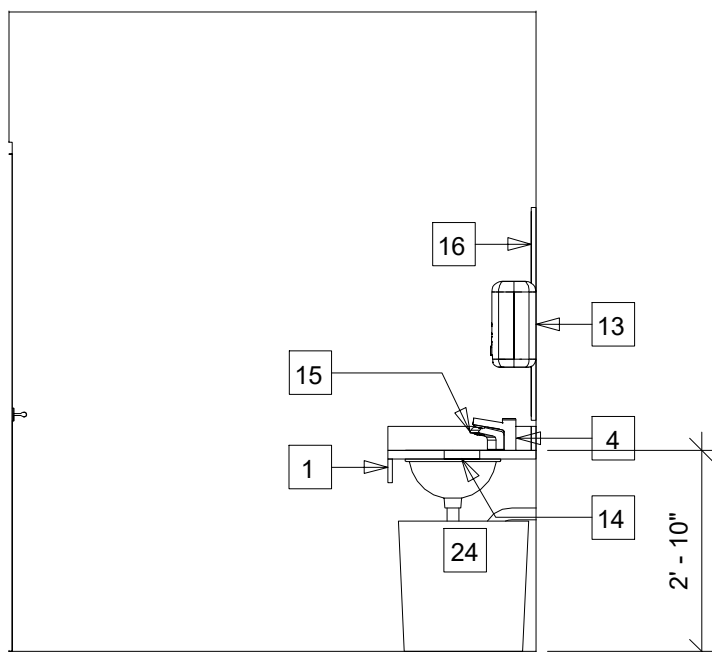
C INTERIOR ELEVATION
3/8" = 1'-0"



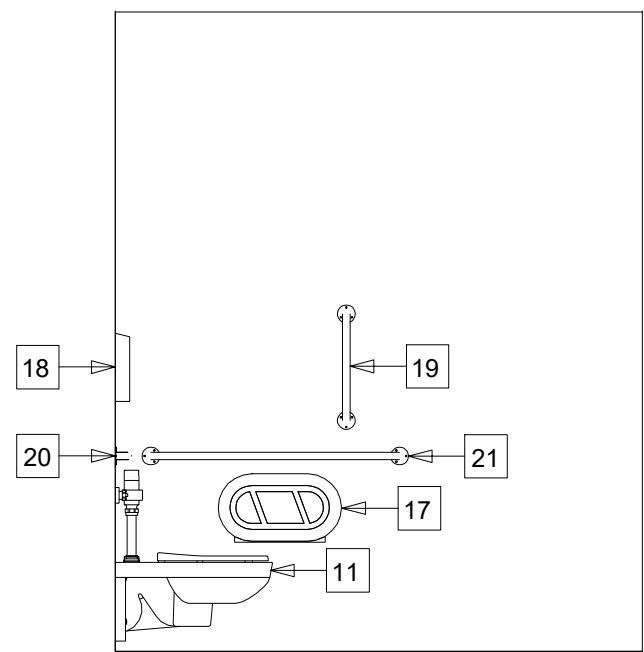
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3/8" = 1'-0"



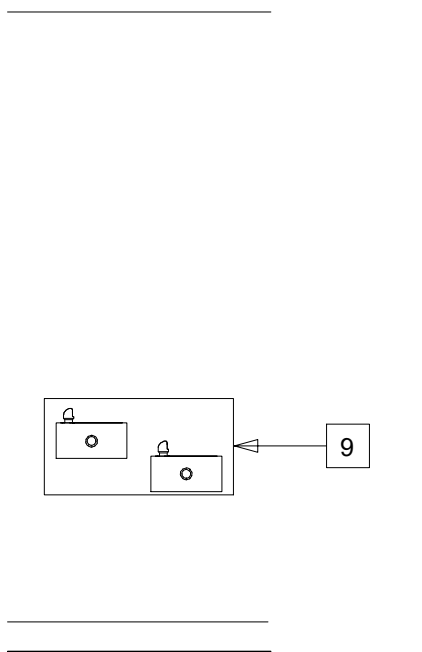
E INTERIOR ELEVATION
3/8" = 1'-0"



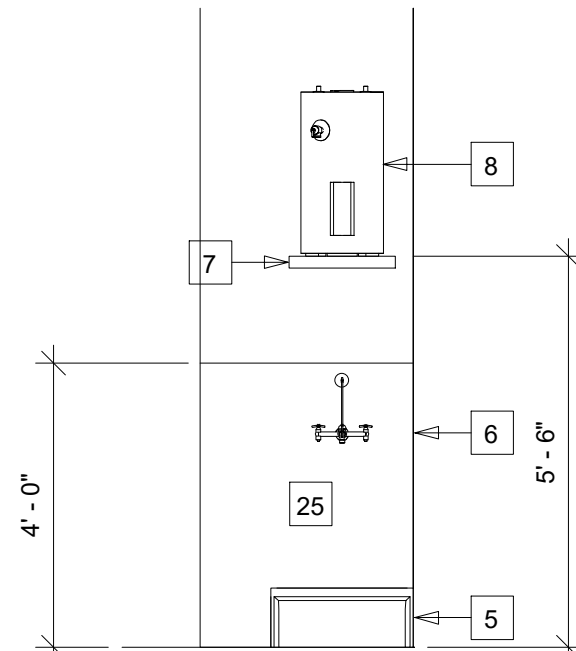
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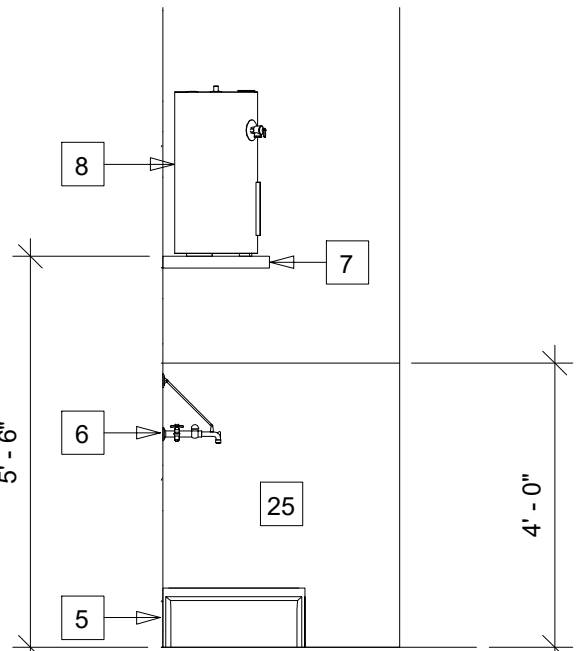
G INTERIOR ELEVATION
3/8" = 1'-0"



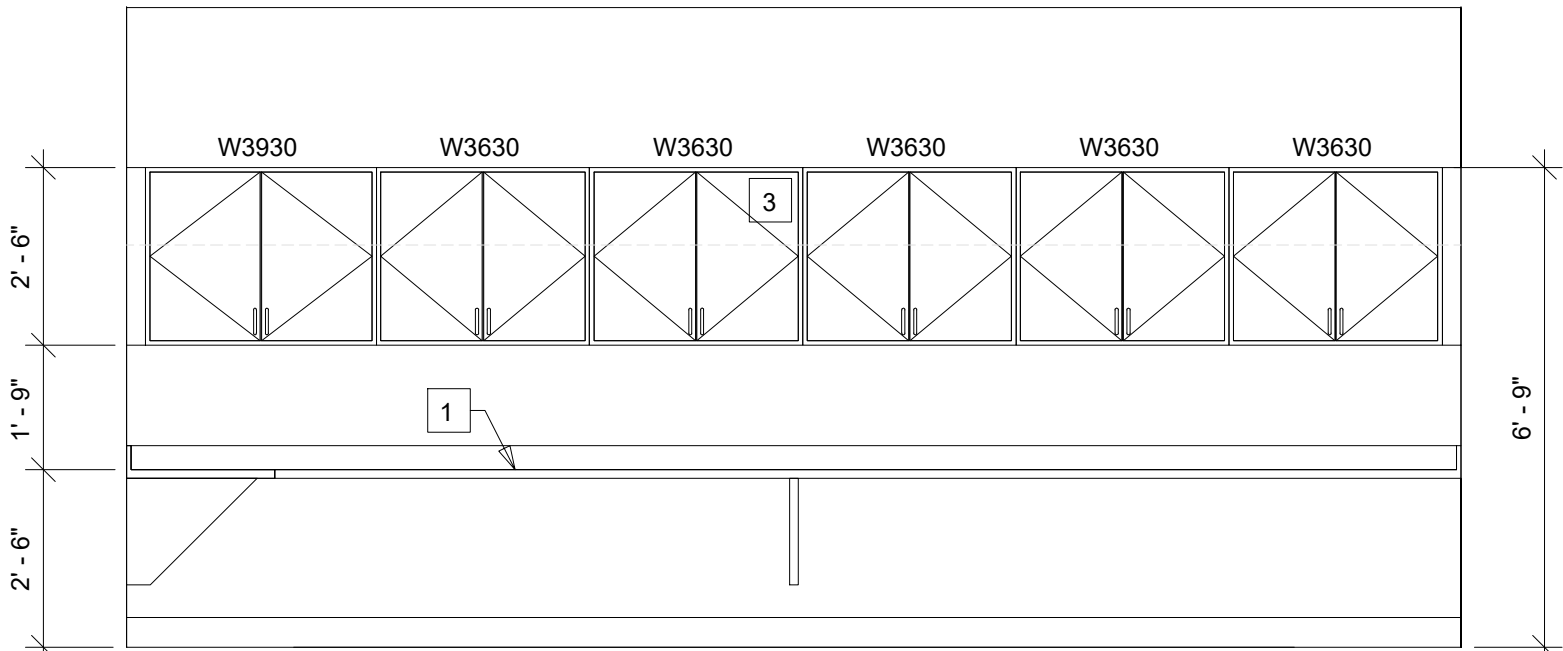
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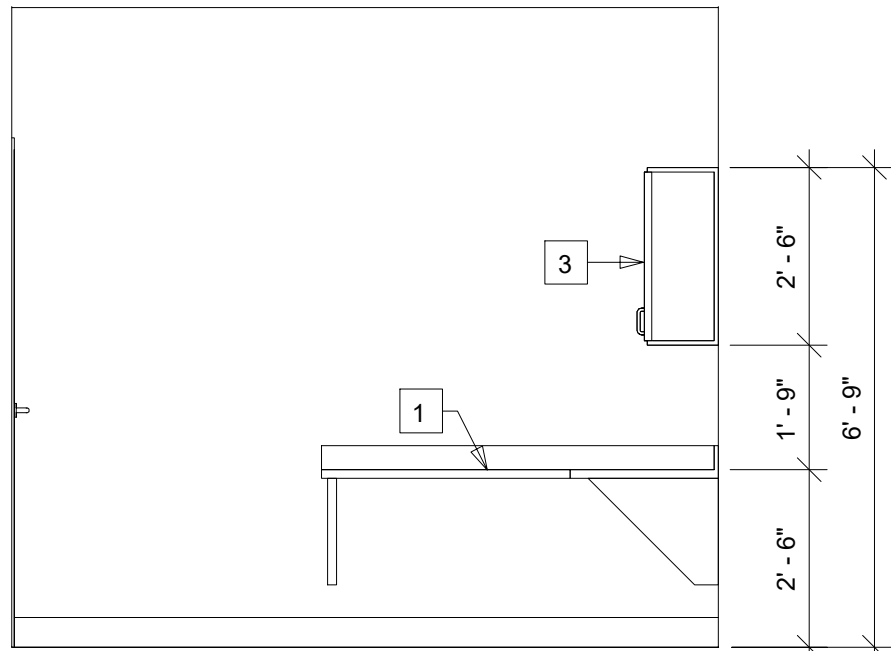
I INTERIOR ELEVATION
3/8" = 1'-0"



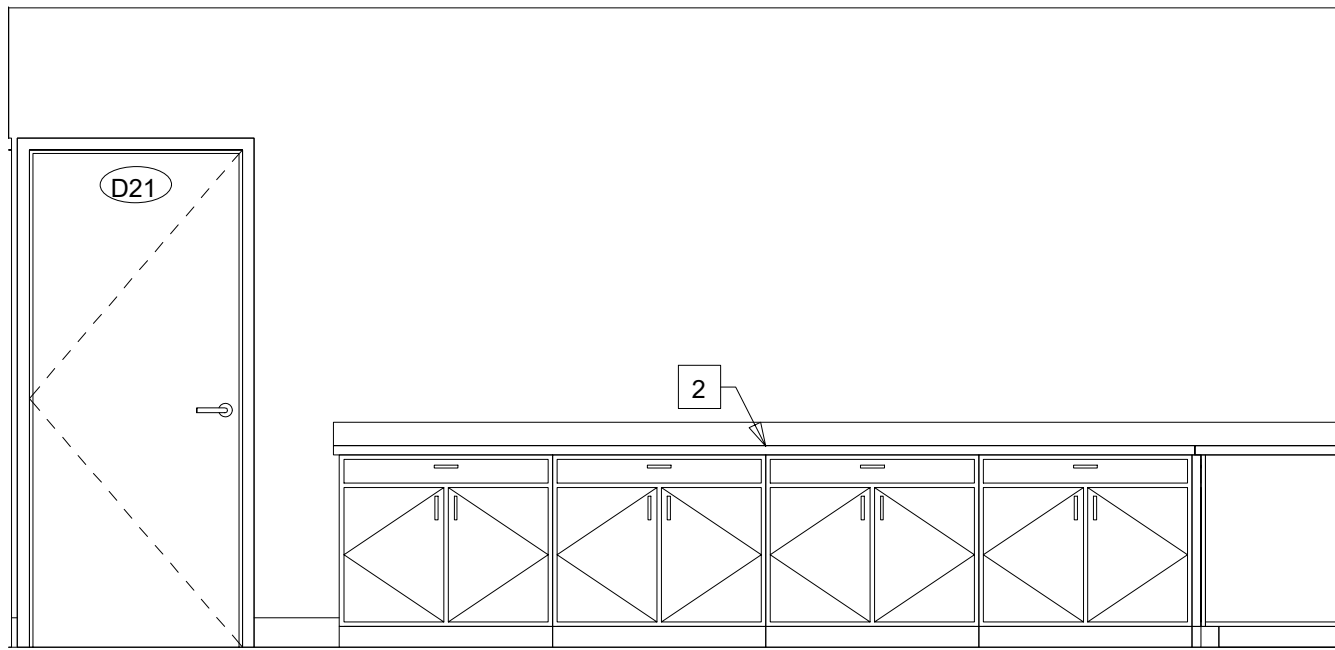
J INTERIOR ELEVATION
3/8" = 1'-0"



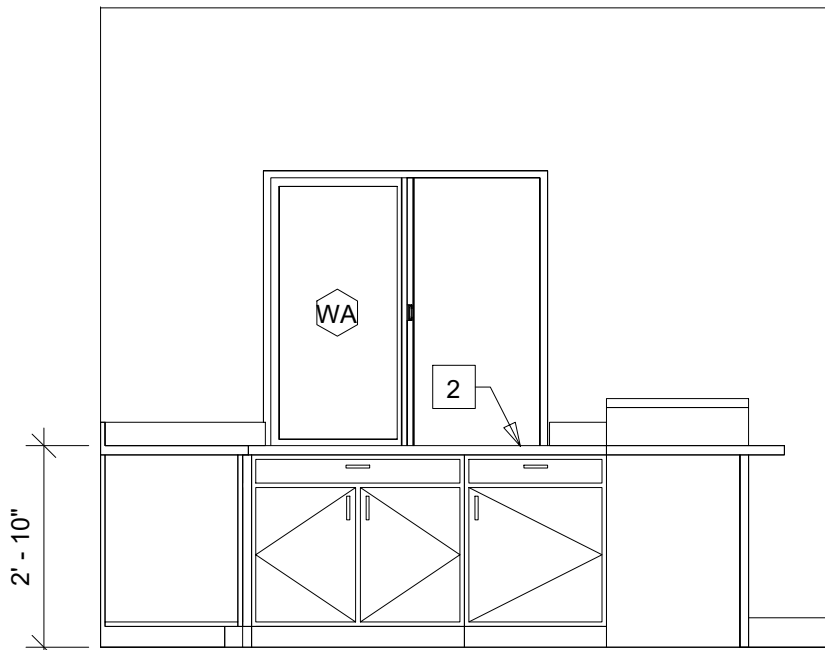
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3/8" = 1'-0"



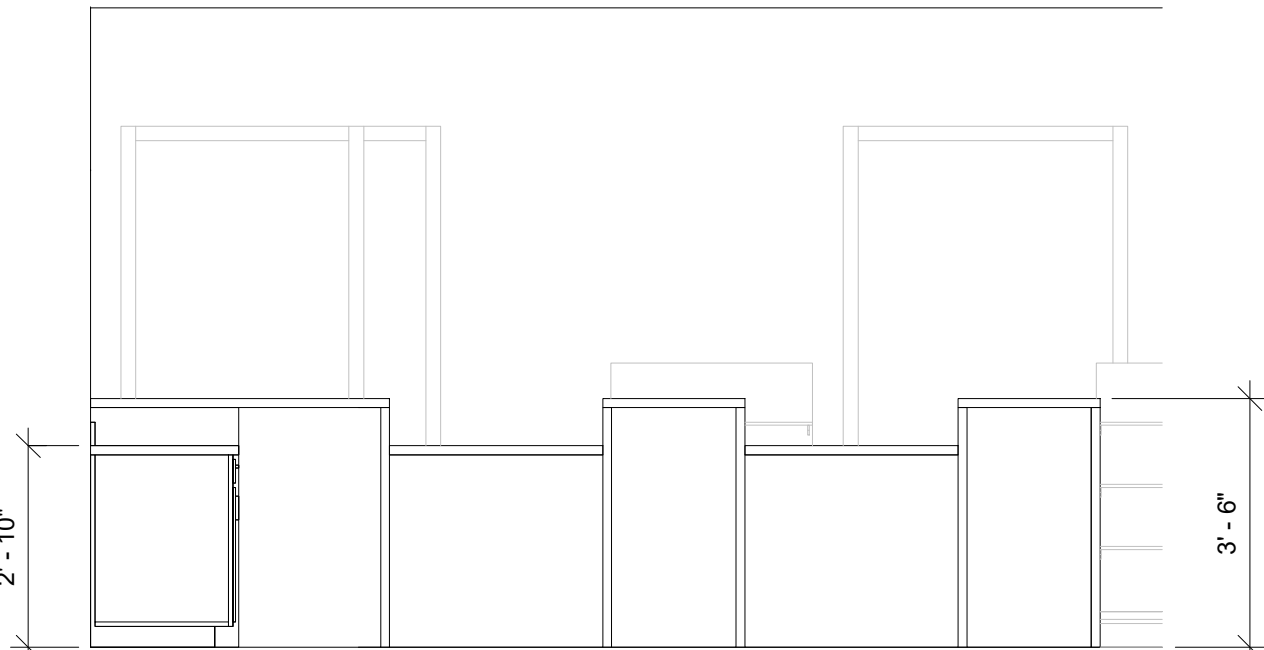
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3/8" = 1'-0"



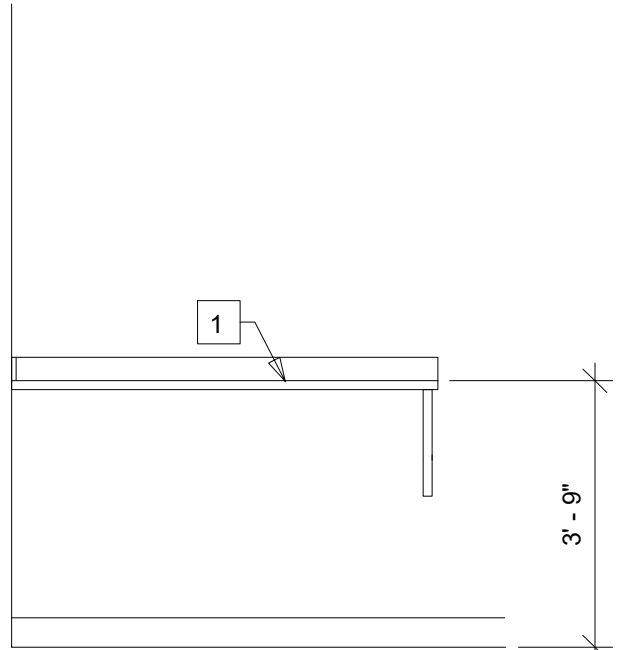
M INTERIOR ELEVATION
3/8" = 1'-0"



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



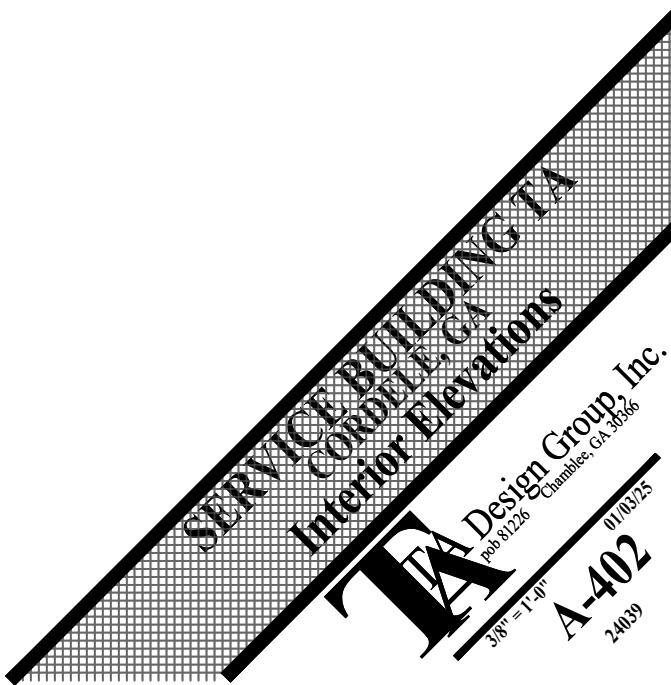
O INTERIOR ELEVATION
3/8" = 1'-0"



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



STROUD
AND COMPANY





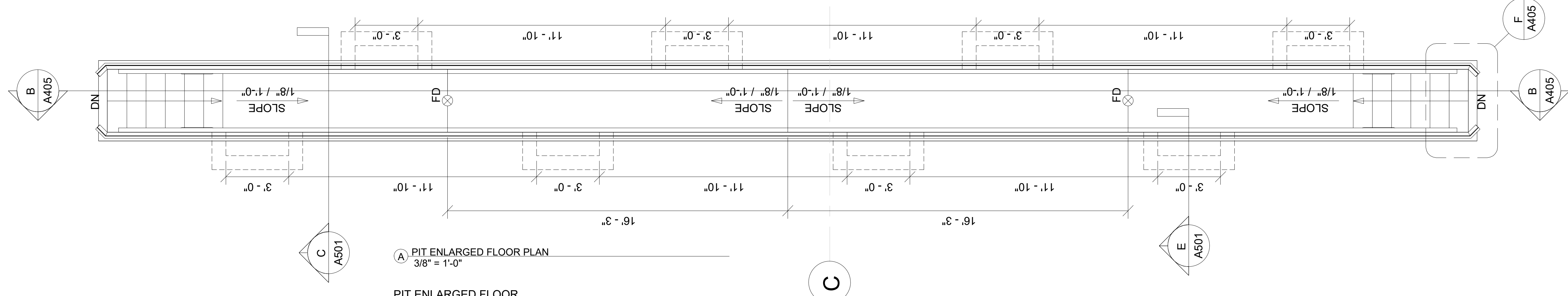
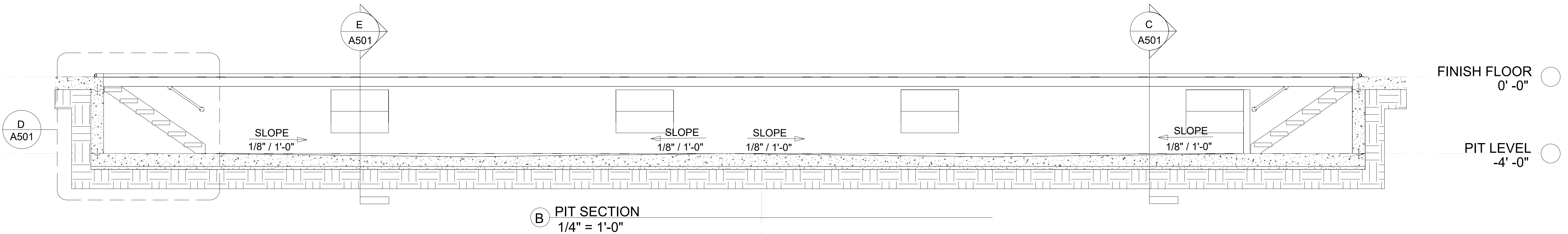
**STROUD
AND COMPANY**

KEY NOTES

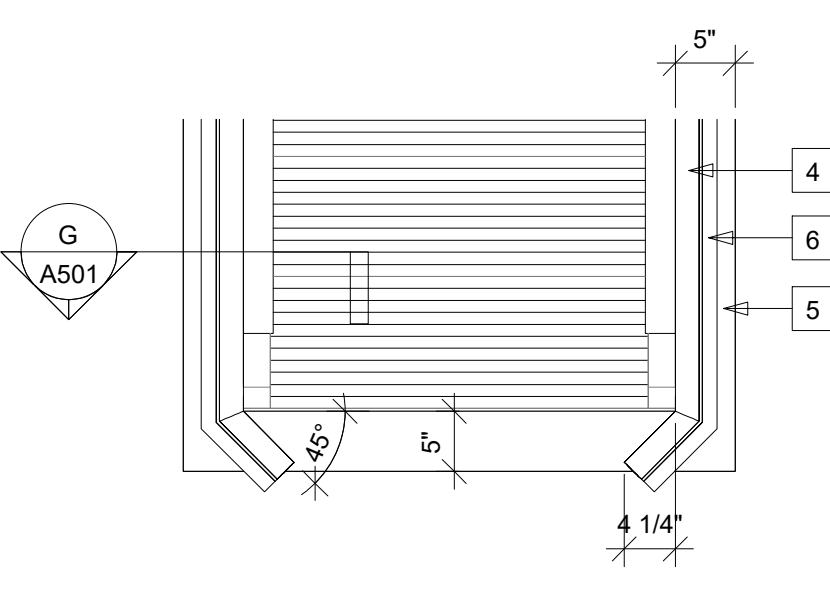
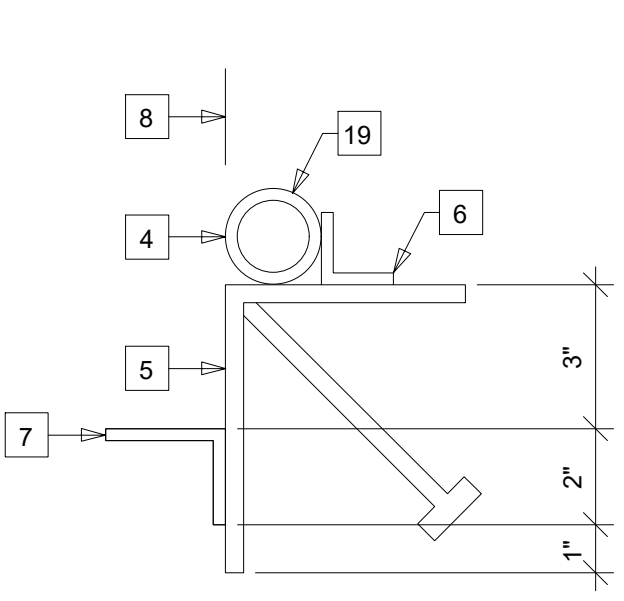
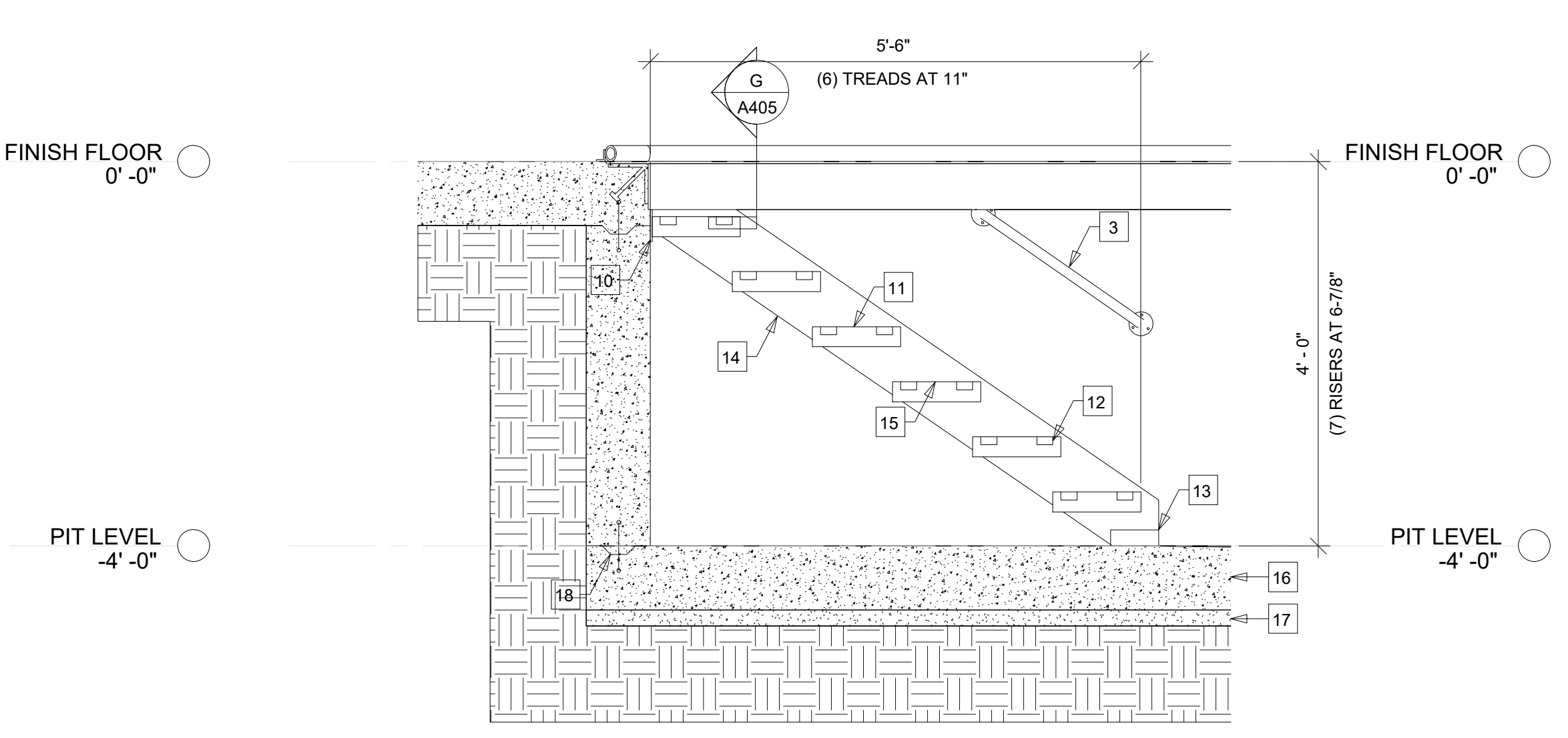
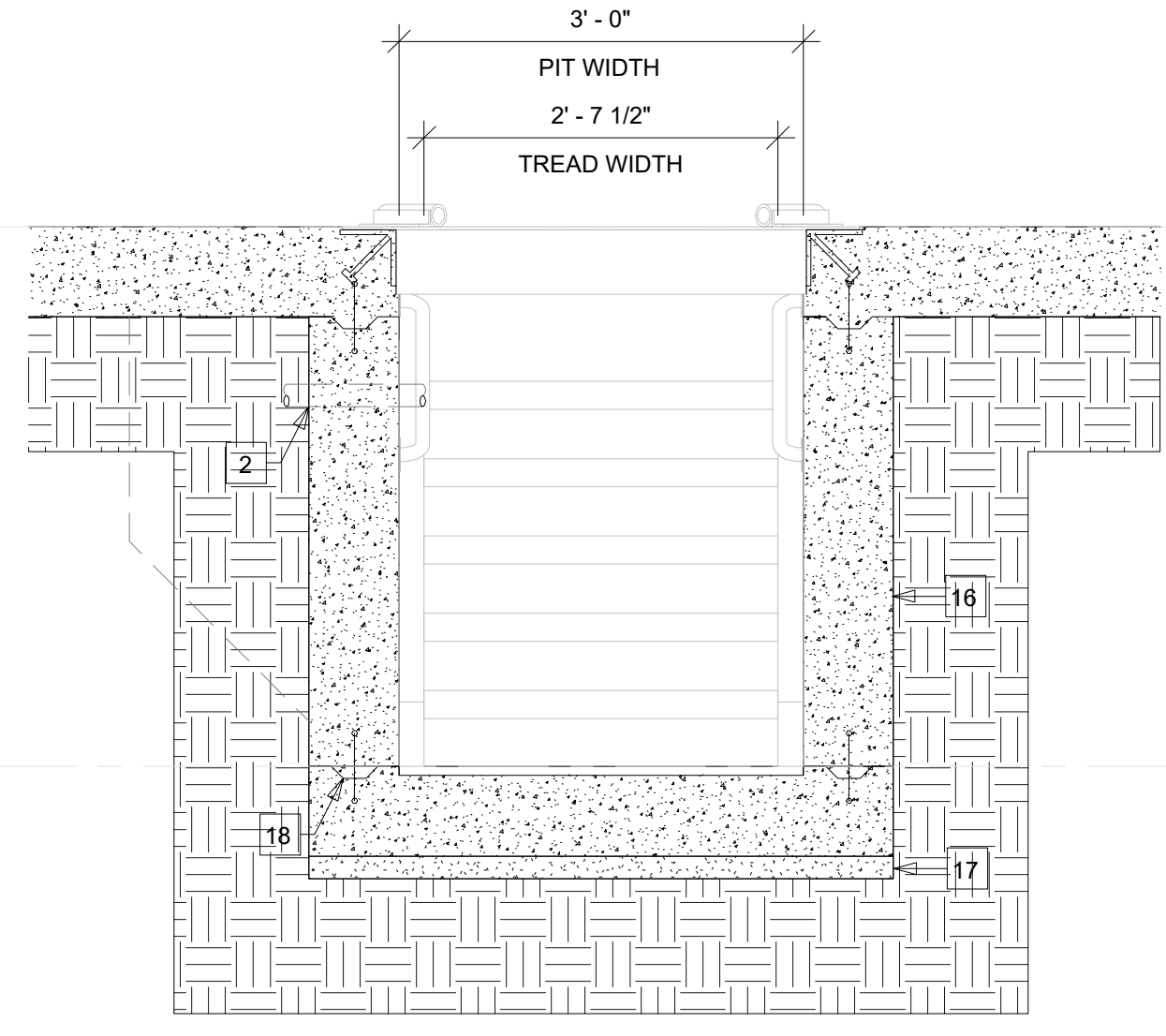
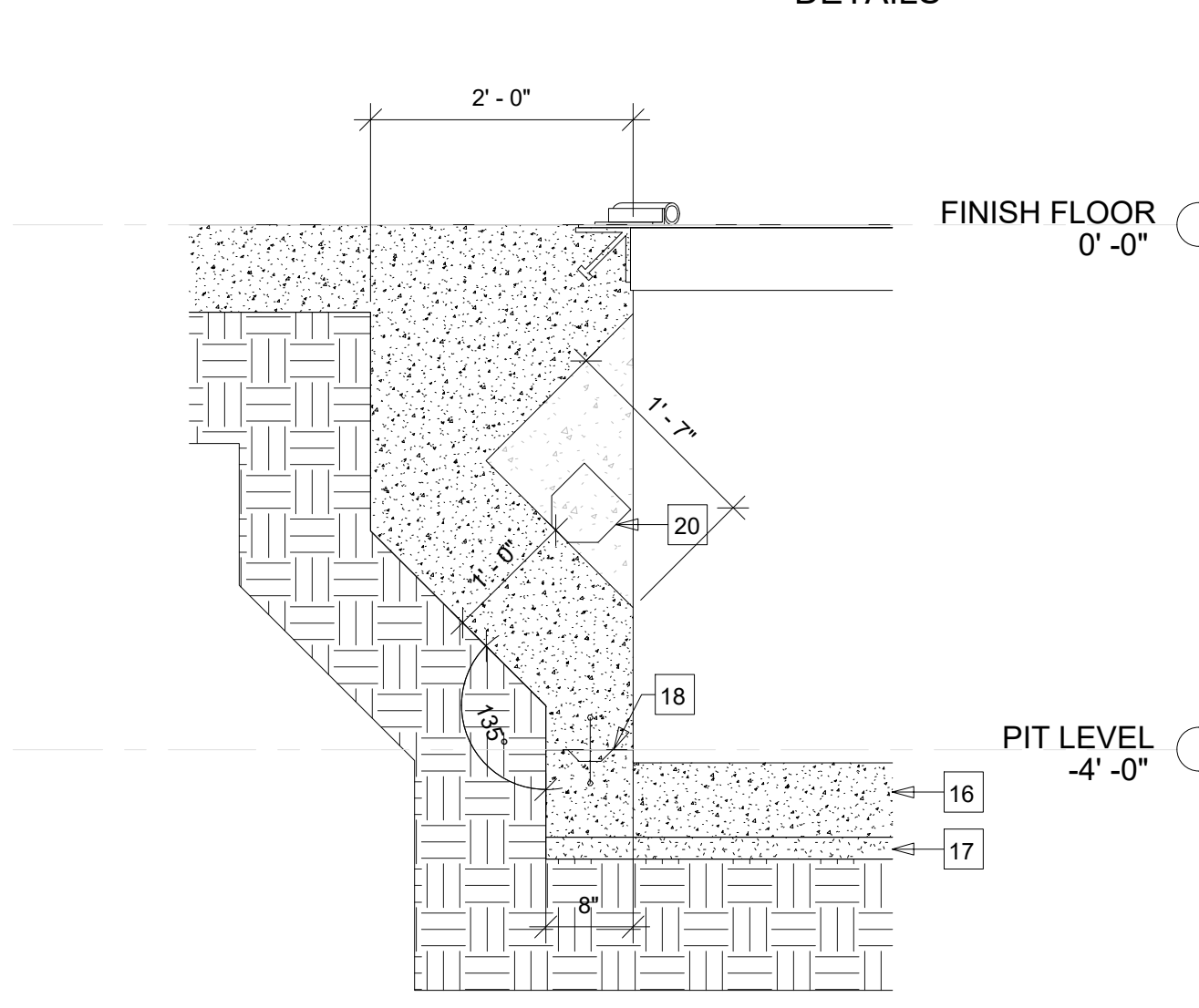
- 1 SEE STRUCTURAL DRAWINGS FOR REINFORCING.
- 2 FOR ALL PENETRATIONS USE LINK SEAL. MODULAR SEALS FOR MORE INFORMATION GO TO WWW.LINKSEAL.COM
- 3 2'-0" LONG HANDRAIL, TYPICAL.
- 4 2"Øx .50" WALL PIPE. CONTINUOUS AROUND PIT, TYPICAL OR EQUAL.
- 5 5" x 6" x 7/16" LLH ANGLE CONTINUOUS, W/ 6" NELSON STUDS 1/2"ØAT 24" OC, TYPICAL.
- 6 1-1/2" x 1-1/2" x 1/4" ANGLE, CONTINUOUS.
- 7 2" x 2-1/2" x 1/4" ANGLE, CONTINUOUS.
- 8 PIPE FLUSH W/ INSIDE OF PIT.
- 9 EDGE ANGLE.
- 10 6-1/2" x 4" x 3/8" P WELDED TO TUBE W/ 2-1/2"Øx 4" EXP BOLT EACH SIDE.
- 11 TS 2 x 12 x 1/4" STRINGER W/ CLOSURE PLATES WELDED AND GROUND SMOOTH EACH END. COLOR: SAFETY YELLOW.
- 12 WELD BRACKETS TO INSIDE OF CHANNEL 1-1/4" x 1-1/4" x 3".
- 13 2" x 6" x 3/8" CLIP ANGLE WELD TO STAIR BOLT TO FLOOR W/ 2-1/2"Øx 3" EXP BOLT
- 14 PAINTED METAL LINEAR PANEL ON BOTTOM OF STAIRS.
- 15 11-3/4" WIDE x 2" x 2'-5" LONG GRIP STRUT TREAD (14 GA), TYPICAL.
- 16 XYPEX ADDITIVE TO BE ADDED TO CONCRETE FOR WATERPROOFING.
- 17 MINIMUM 2" PEA GRAVEL BASE.
- 18 KEY W/ WATERSTOPS CONTINUOUS AT PIT WALL.
- 19 ALL PIPE AND ANGLES TO BE PAINTED SAFETY YELLOW.
- 20 VAPOR PROOF LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.



SERVICE BUILDING 1A
PIT ENLARGED FLOOR PLAN, SECTION, AND DETAILS
Design Group, Inc.
2488
A-403



PIT ENLARGED FLOOR
PLAN, SECTION, AND
DETAILS



- DESIGN LOADS PROVIDED BY BUILDING STRUCTURAL ENGINEER OF RECORD.
- REACTIONS AT FOOTING DESIGN BASED ON BUTLER MANUFACTURING REACTIONS REPORT DATED 10/14/2024.
- DESIGN OF FOOTINGS ARE BASED ON THE ASSUMPTION THAT ALL COLUMNS ARE A "PINNED" CONNECTION THE FOOTING / ANCHORING SYSTEM. CONFIRM WITH STRUCTURAL ENGINEER OF RECORD PRIOR TO CONSTRUCTION AND PROVIDE TO FOUNDATION ENGINEER.
- NO SUBSURFACE SOIL INVESTIGATION HAS BEEN PROVIDED TO FOUNDATION ENGINEER.
- CONFIRM THE FOLLOWING PRIOR TO CONSTRUCTION:
 - SOIL BEARING CAPACITY IS A MINIMUM OF 3000 PSF
 - GEOTECHNICAL TO CONFIRM THAT EXPANSIVE AND ORGANIC SOILS DO NOT POSE A RISK FOR SETTLEMENT

1. THE STRUCTURAL SYSTEMS SHOWN ON THESE DOCUMENTS HAVE BEEN DESIGNED FOR THE INTENDED, IN PLACE, USAGE OF THE STRUCTURE BASED ON THE INTENDED OCCUPANCY AND CODE REQUIREMENTS, WHILE GENERAL CONTRACTIBILITY HAS BEEN CONSIDERED, THE STRUCTURAL SYSTEMS HAVE NOT BEEN DESIGNED TO ACCOMMODATE SPECIFIC CONSTRUCTION MEANS AND METHODS THAT MIGHT BE UTILIZED BY THE CONTRACTOR.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS PRIOR TO FABRICATION.
3. THE CONTRACT SHALL NOTIFY THE ENGINEER OF ANY OBSERVED DISCREPANCIES IN DIMENSIONS, DETAILING, OR OTHER ITEMS AS SHOWN ON THE PLANS OR SPECIFIED PRIOR TO PROCEEDING WITH WORK RELATING TO SAID DISCREPANCIES.
4. THE CONTRACTOR SHALL NOT ALTER OR MODIFY WORK SHOWN ON THE STRUCTURAL DRAWINGS WITHOUT RECEIVING WRITTEN APPROVAL FROM THE ENGINEER.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING SHOP DRAWINGS FOR THE FOLLOWING:
 - 5.1. PLAN AND ELEVATION VIEWS OF CONCRETE MASONRY WALL ELEVATIONS INCLUDING CONTROL JOINT AND EXPANSION JOINT LOCATIONS, MORTAR AND GROUT
 - 5.2. CONCRETE MIX DESIGNS.
6. SHOP DRAWINGS MUST BE REVIEWED FOR CONFORMANCE WITH THE MEANS, METHODS TECHNIQUES, SEQUENCES, AND OPERATIONS OF CONSTRUCTION, AND SAFETY PRECAUTIONS AND PROCEDURES INCIDENTAL THERETO, ALL OF WHICH ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR'S STAMPED APPROVAL WILL BE REJECTED. ALL SHOW DRAWINGS SHALL BE REVIEWED BY THE STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION.
7. SEE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR OTHER PERTINENT INFORMATION RELATED TO THE STRUCTURAL WORK AND COORDINATION AS REQUIRED. THESE STRUCTURAL DRAWINGS ARE INCLUDED IN A COMPLETE SET OF CONSTRUCTION DOCUMENTS. CONTRACTOR SHALL VERIFY COORDINATION OF THESE DRAWINGS WITH CONTENTS OF DRAWINGS SET.

1. CONCRETE MIX SHALL BE 4000 PSI MINIMUM
2. FLY ASH SHALL NOT BE USED.
3. THE USE OF ADMIXTURES TO INCREASE THE SLUMP SHALL NOT BE USED UNLESS APPROVED IN WRITING BY THE ENGINEER.
4. ALL CONCRETE IS REINFORCES UNLESS SPECIFICALLY CALLED OUT AS UN-REINFORCED. REINFORCING STEEL SHALL BE CONTINUOUS THROUGH CONSTRUCTION JOINTS UNLESS NOTED OTHERWISE.
5. NO ALUMINUM ITEMS SHALL BE EMBEDDED IN ANY CONCRETE OR PLACED IN CONTACT WITH CONCRETE.
6. CONCRETE COVERAGE OF REINFORCEMENT SHALL HAVE THE FOLLOWING CLEAR DISTANCES:
 - 6.1. 3" – CAST AGAINST EARTH
 - 6.2. 1.5" – NOT EXPOSED TO EARTH OR OUTDOOR WEATHER
7. EMBEDDED AND ALL REINFORCING BARS MARKED CONTINUOUS SHALL BE EMBEDDED TO DEVELOP THE FULL TENSILE CAPACITY OF THE BAR. LAPS SHOULD BE CLASS B TENSION LAPS. SPLICE TOP BARS NEAR MIDSPAN AND SPLICE BOTTOM BARS OVER SUPPORTS.
8. ALL BARS TO BE SUPPORTED IN FORMS AND SPACED WITH WIRE BAR SUPPORTS PER ACI – MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES.
9. BARS SHALL BE SECURELY WIRED PER CRSI – RECOMMENDED PRACTICE FOR PLACING REINFORCING BARS.
10. PLEASE CONFORM WITH ACI'S REQUIREMENTS FOR PLACEMENT OF CONCRETE DURING HOT AND COLD WEATHER.
11. DO NOT ADD WATER TO CONCRETE DURING DELIVERY, AT PROJECT SUITE, OR DURING PLACEMENT, UNLESS APPROVED BY THE ENGINEER.
12. SAWCUT JOINT SPACING TO BE 15'
13. DOWELED JOINTS REQUIRED IN AREAS SUBJECT TO WHEEL TRAFFIC.

1. POST INSTALLED ANCHORS SHALL NOT BE USED WHERE SPECIFIED IN THE CONSTRUCTION DOCUMENTS. A MINIMUM OF 8" SHALL BE PROVIDED TO PREVENT CONCRETE SIDE-FACE BLOWOUT.
2. THE CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM THE ENGINEER PRIOR TO INSTALLING POST-INSTALLED ANCHORS FOR MISPLACED ANCHORS.

22'-7" 19'-6" 22'-3"

1. NO GEOTECHNICAL REPORT HAS BEEN PROVIDED TO THE FOUNDATION ENGINEER. FOUNDATION CONTRACTOR SHALL SUBMIT TO THE GEOTECHNICAL REPORT FOR ALL REQUIREMENTS AND RECOMMENDATIONS PERTINENT TO THIS PROJECT.
2. ANCHOR RODS SHALL CONFORM TO ASTM F1554. EXACT ANCHOR ROD LOCATION BASED ON BUILDING STRUCTURAL ENGINEER VERIFY APPROPRIATE COVER DISTANCE TO PREVENT ANY CONCRETE SIDE FACE BLOWOUT RISK.
3. ALL FOUNDATIONS SHALL BE SQUARE AND LEVEL.
4. GROUT SHALL BE DRY AND STIFF TO PREVENT SHRINKAGE, WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI. GROUT BELOW COLUMN BASE PLATES.

NOTE: SOIL BEARING PRESSURE MUST BE VERIFIED IN FIELD BY A QUALIFIED SOIL ENGINEER PRIOR TO CONSTRUCTION, NOTIFY ENGINEER OF RECORD IF LESSER VALUE IS FOUND IN THE FIELD					
MARK	WIDTH	LENGTH	HEIGHT	VERTICAL BAR REINFORCEMENT	ANCH ROD / TIE IN SPACING
P22	2'-0"	2'-0"	12"	(4) #8	#4 @ 12" O.C.
P52	5'-0"	2'-0"	12"	(8) #8	(6) #4 @ 6" O.C. E.W. @ BOTTOM
P53	5'-0"	3'-0"	12"	(10) #8	(8) #4 @ 6" O.C. E.W. @ BOTTOM

NOTE: SOIL BEARING PRESSURE MUST BE VERIFIED IN FIELD BY A QUALIFIED SOILS ENGINEER PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF RECORD IF LESSEER VALUE IS FOUND IN THE FIELD			
MARK	DIMENSIONS	THICKNESS	REINFORCEMENT
			(3) #4 CONT. @ 6" O.C. #4 TRANSVERSE @ 18" O.C.
TDF1.5	1'-6" CONT.	24" @ EXT.	
F4.0	4'-0" SQ.	14"	(8) #4 @ 6" O.C. E.W. @ TOP & BOTTOM
F6.0	6'-0" SQ.	16"	(8) #5 @ 6" O.C. E.W. @ TOP & BOTTOM
F8.0	8'-0" SQ.	18"	(10) #5 @ 9" O.C. E.W. @ TOP & BOTTOM

SCALE: 3" = 1'-0"

NIS

S-1 SC

CORDELE, GA 31010

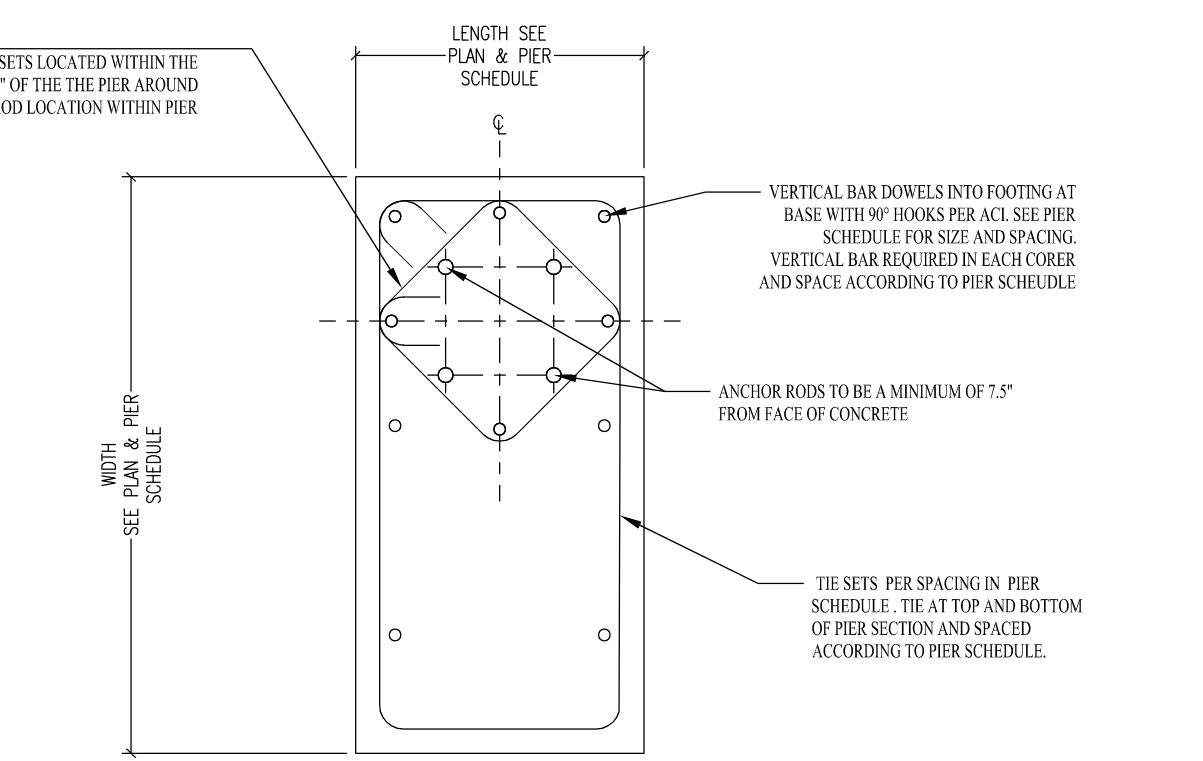
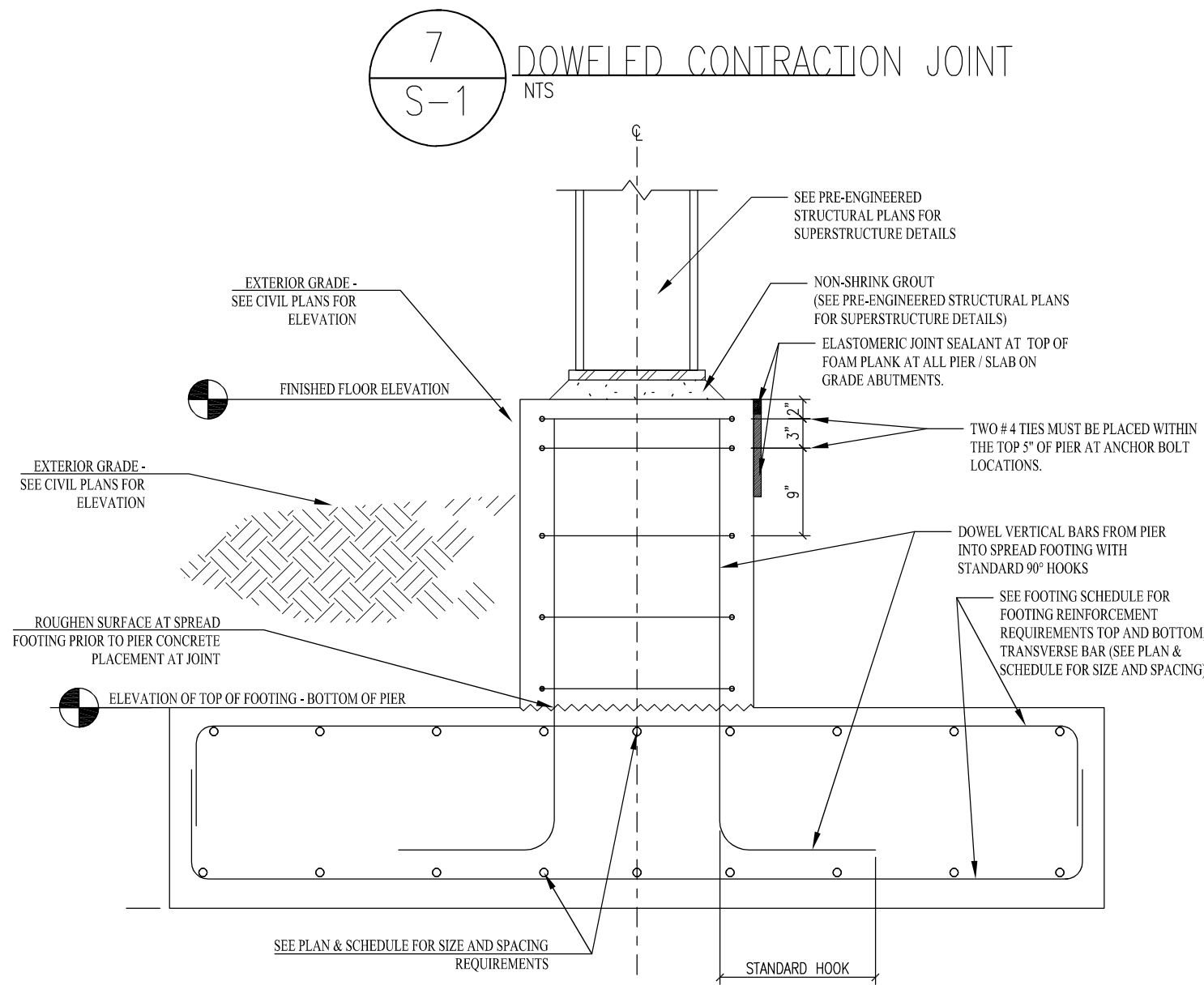
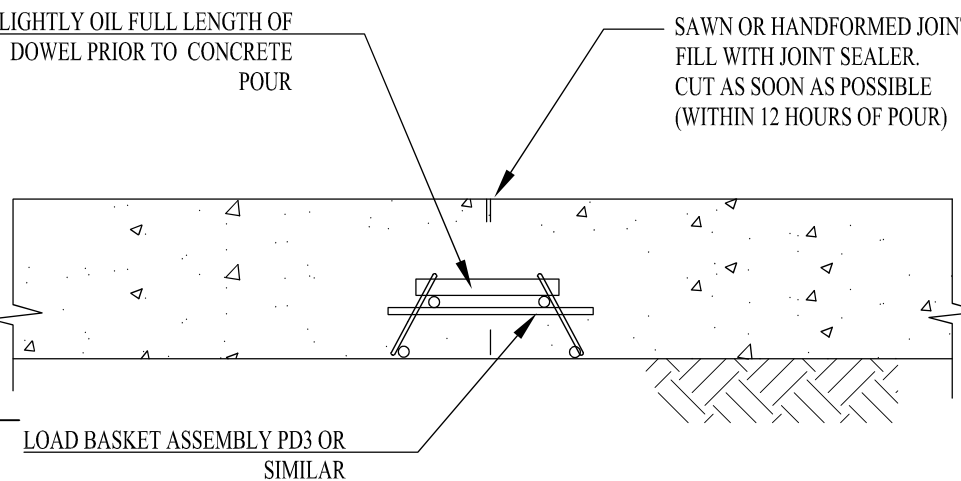
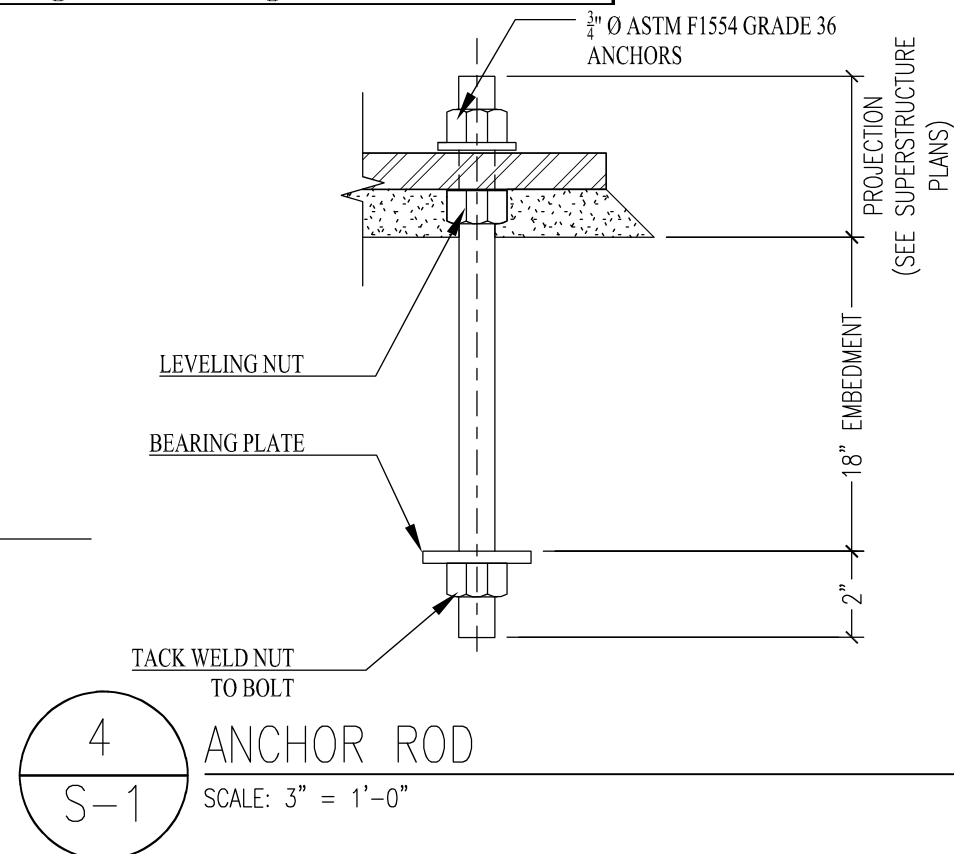
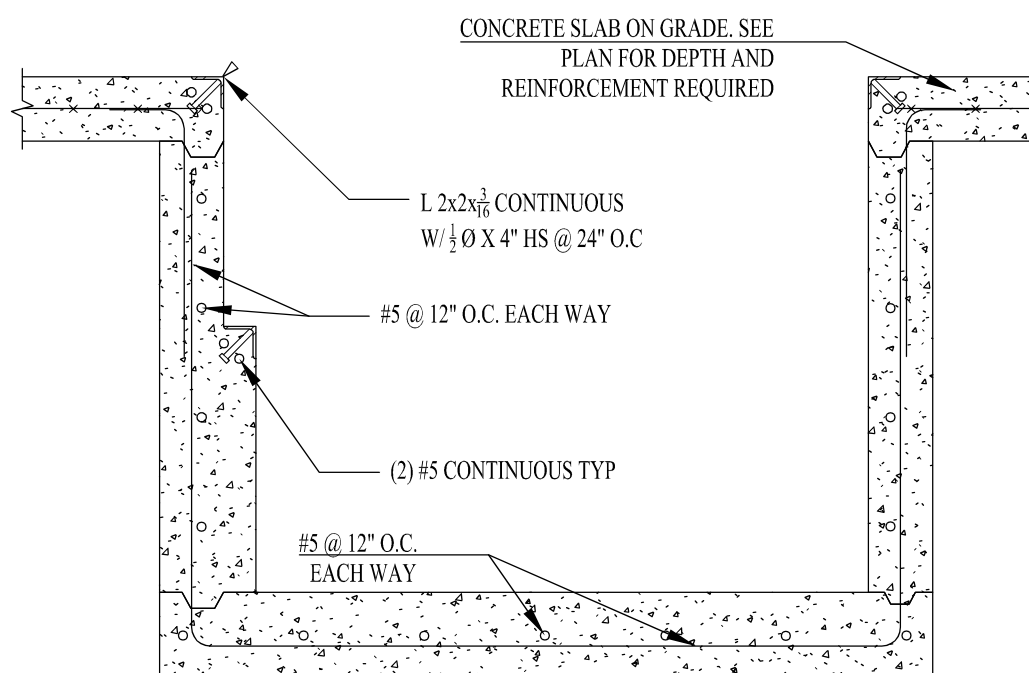
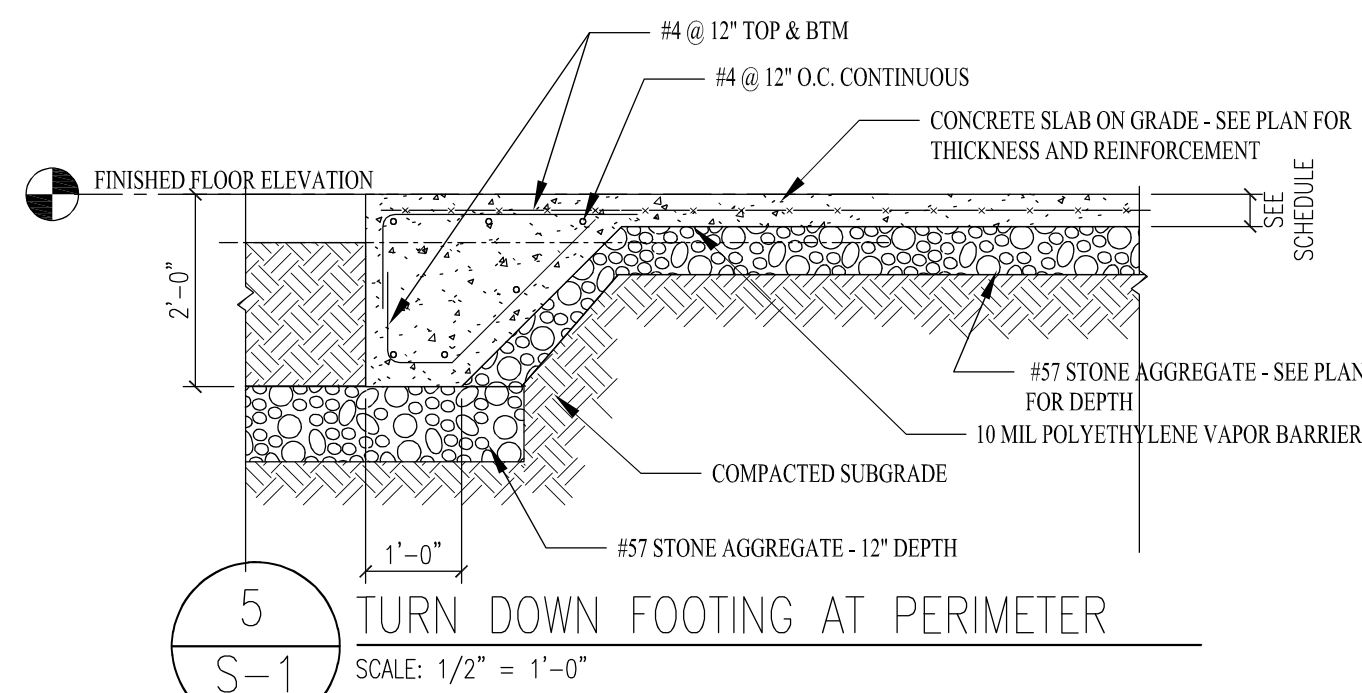
[illegible]

A circular professional engineer seal for the State of Georgia. The outer ring contains the text "GEORGIA" at the top and "REGISTERED" at the bottom. Inside the ring, the text "No. PE40533" and "PROFESSIONAL" are at the top, and "ENGINEER" and "JOSEPH F. PINTO" are at the bottom. Two stars are positioned on the left and right sides of the inner circle.

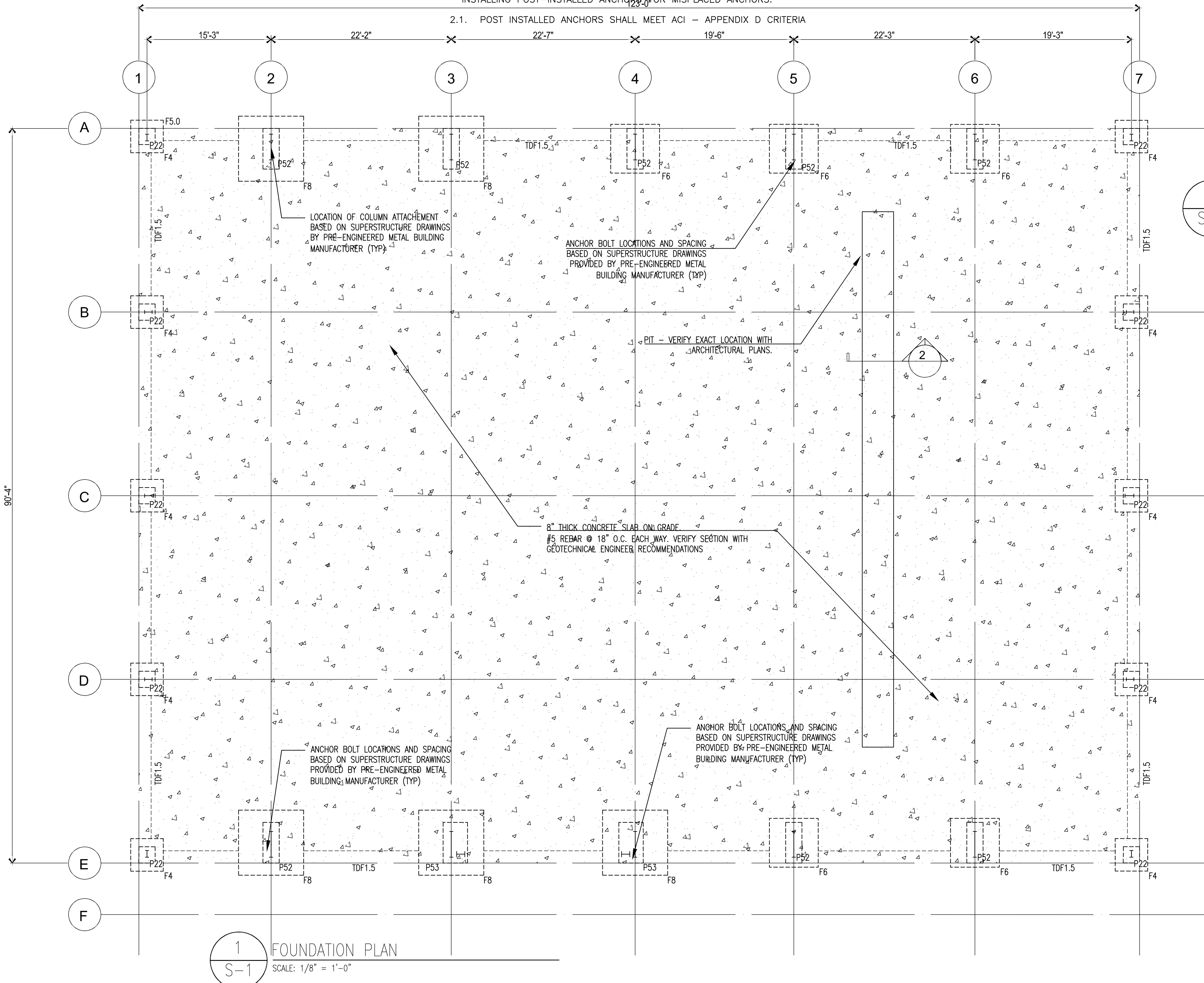
PROJECT NO:	24-121
DATE:	12/20/2024
DRAWN BY:	JFP
CHK'D BY:	GSP

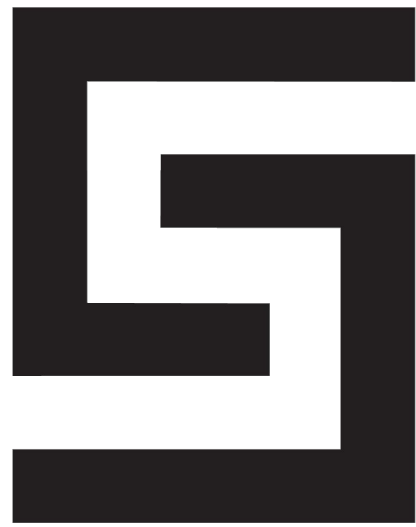
FOUNDATION PLAN

S-1



NOTE
AT THIS TIME THE FOUNDATION
ENGINEER HAS NOT BEEN
ENGAGED IN CONSTRUCTION
ADMINISTRATION SERVICES





STROUD
AND COMPANY

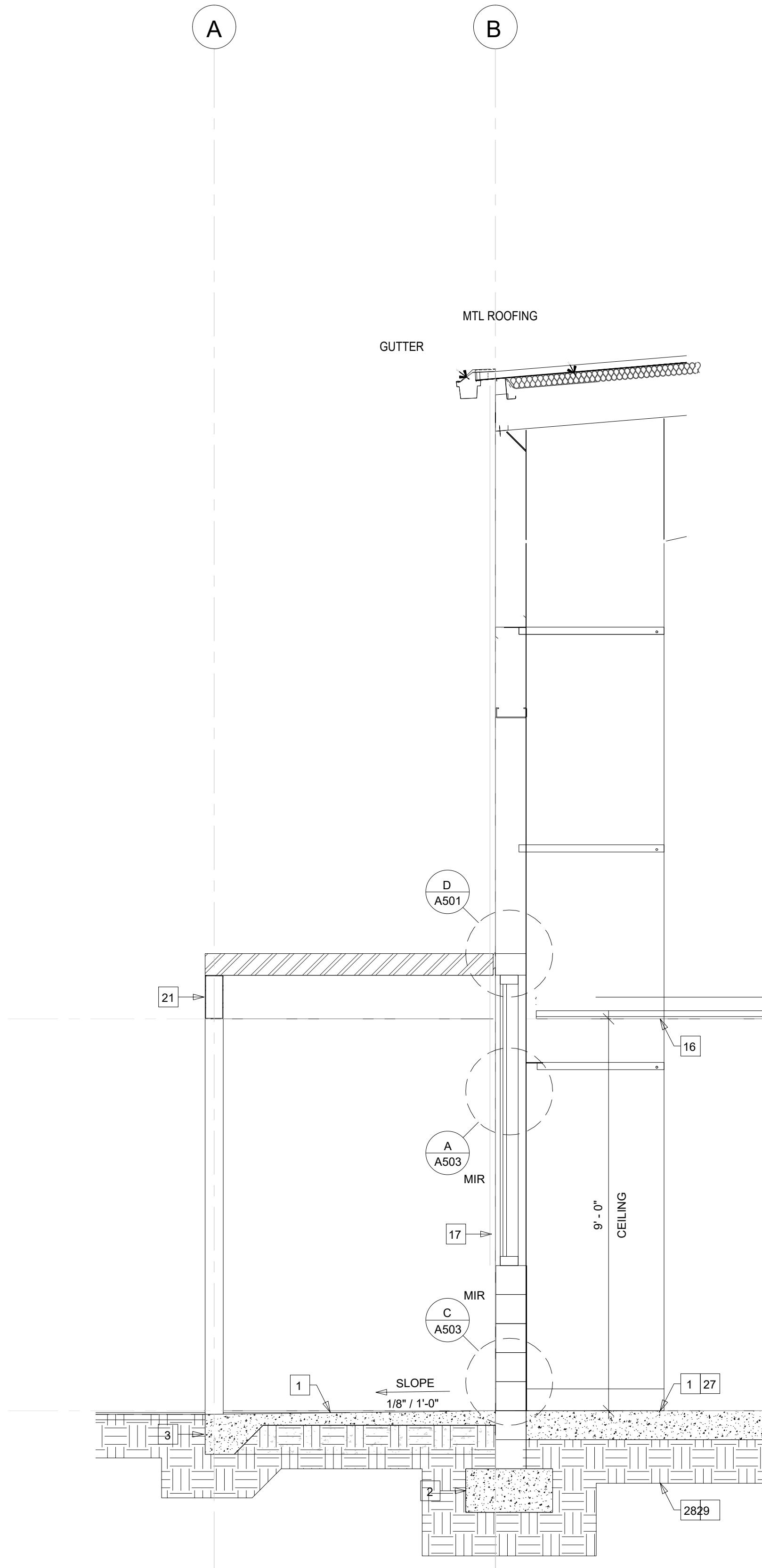
KEY NOTES

- 1 CONCRETE SLAB ON GRADE, SEE STRUCTURAL DRAWINGS FOR SLAB THICKNESS AND REINFORCING. PROVIDE A NON-SLIP SURFACE TO CONCRETE SURFACE, TYPICAL AT SLABS EXPOSED TO WEATHER.
- 2 CONCRETE FOUNDATION, SEE STRUCTURAL DRAWINGS FOR SIZE AND REINFORCING.
- 3 THICKENED EDGE, SEE STRUCTURAL DRAWINGS FOR SIZE AND REINFORCING.
- 4 8" CMU BLOCK WALL, SEE STRUCTURAL DRAWINGS FOR REINFORCING.
- 12 6" METAL STUD PARTITION W/ 1/2" GYPSUM WALL BOARD TO EACH FACE OF PARTITION.
- 15 1/2" GYPSUM WALL BOARD OVER 1-5/8" METAL STUDS AT 16" OC.
- 16 CEILING, SEE REFLECTED CEILING PLAN.
- 17 STOREFRONT WINDOW ASSEMBLY, SEE WINDOW SCHEDULE.
- 18 STOREFRONT DOOR, SEE DOOR SCHEDULE.
- 19 OVERHEAD DOOR, SEE DOOR SCHEDULE.
- 20 CONTINUOUS ALUMINUM CAP FLASHING.
- 21 ALUMINUM FLAT PAN AWNING WITH GUTTER (COLOR AND STYLE SELECTED BY OWNER) BY AAA AWNING CO. INC. OR EQUAL.
- 22 ALUMINUM BOX DRAIN SCUPPER W/ COLLECTOR BOX AND DOWN SPOUT.
- 23 FIXED ROOF ACCESS LADDER W/ CAGE AND WALK-THRU.
- 24 TANK VENTS.
- 25 6' TALL CHAIN LINE FENCE
- 26 CONCRETE FILLED BOLLARD GUARD.
- 27 FLOOR FINISH, SEE FINISH SCHEDULE.
- 28 CLEAN FILL COMPACTED TO REQUIRED DENSITY AND TREATED FOR TERMITES.
- 29 PROVIDE FROST PROTECTION PER SECTION R403.1.4.1.

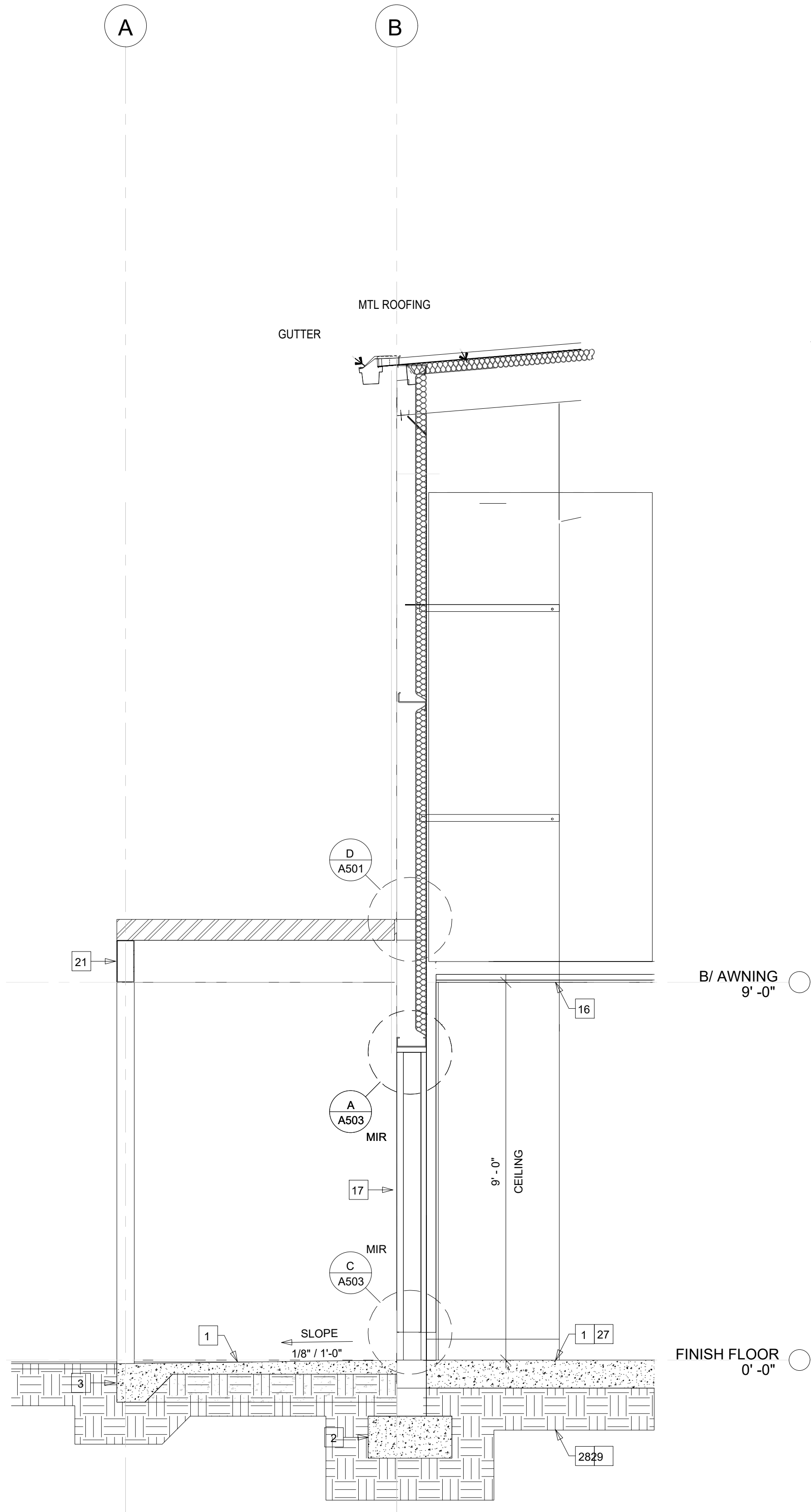


STRUDD BUILDING PA
ARCHITECTS
P.C.

Design Group, Inc.
100% 100% 100%
A-404
2489



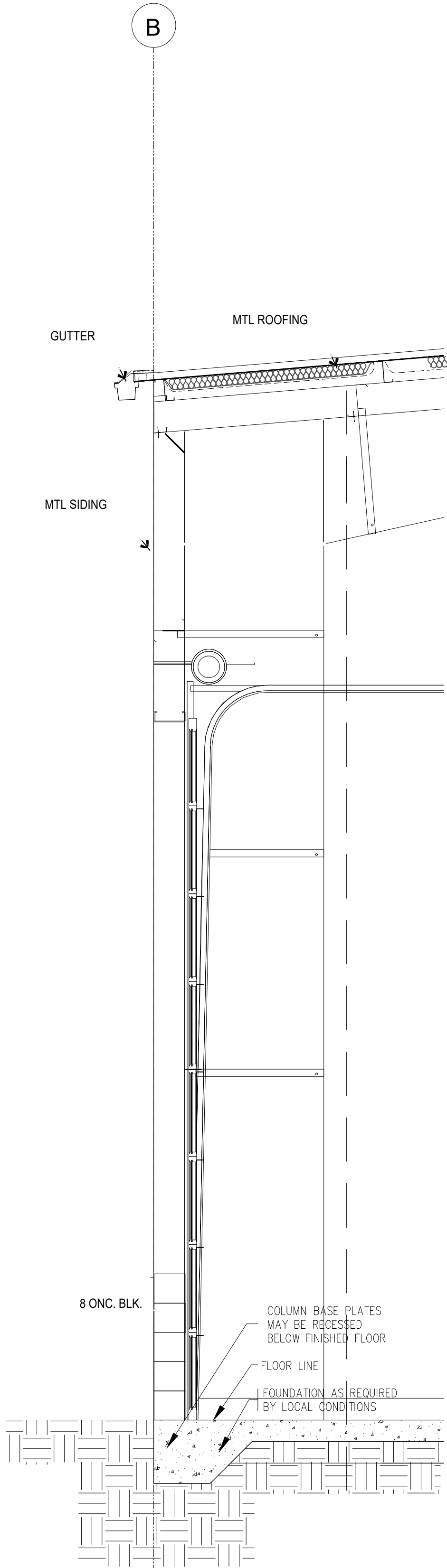
C WALL SECTION
1/2" = 1'-0"



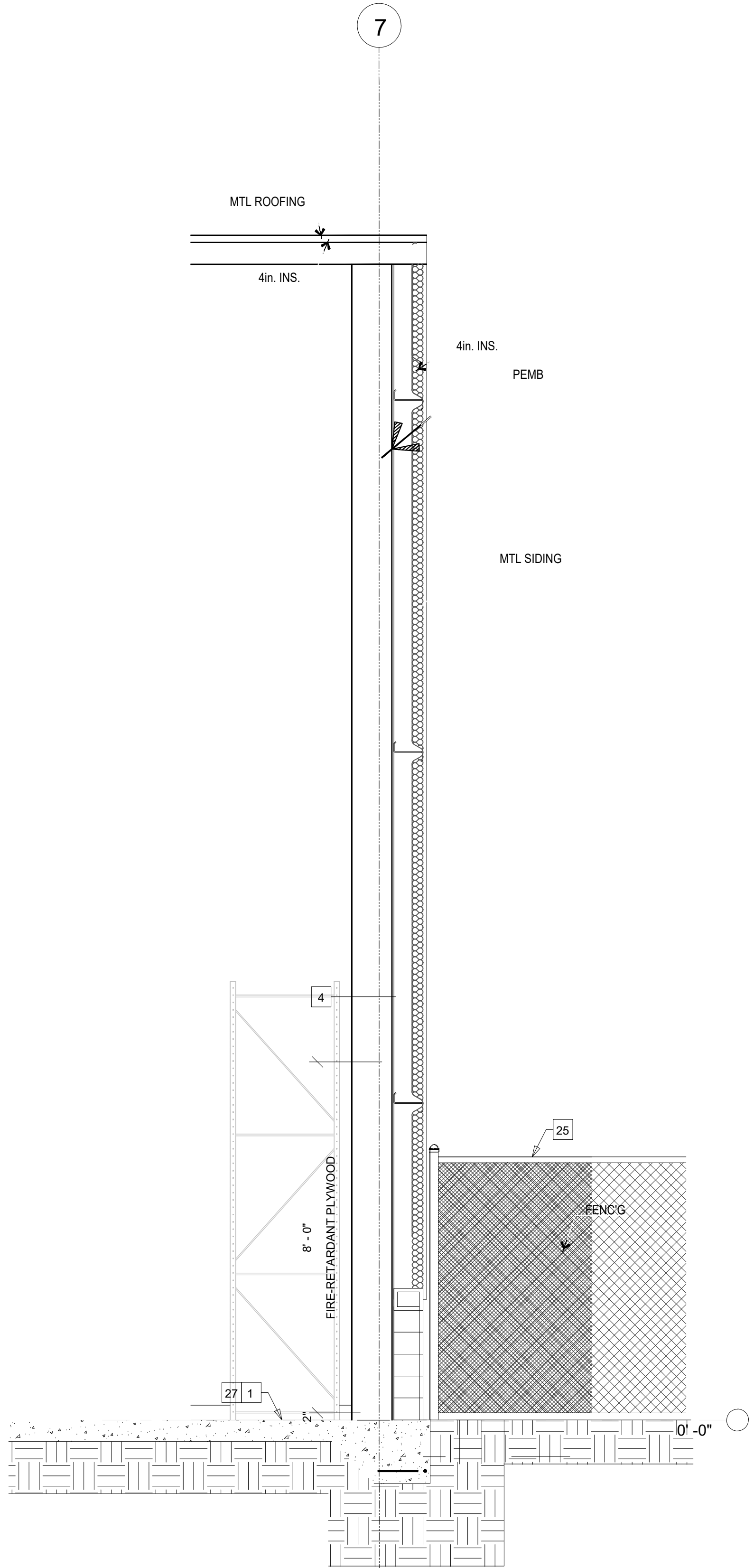
B WALL SECTION
1/2" = 1'-0"



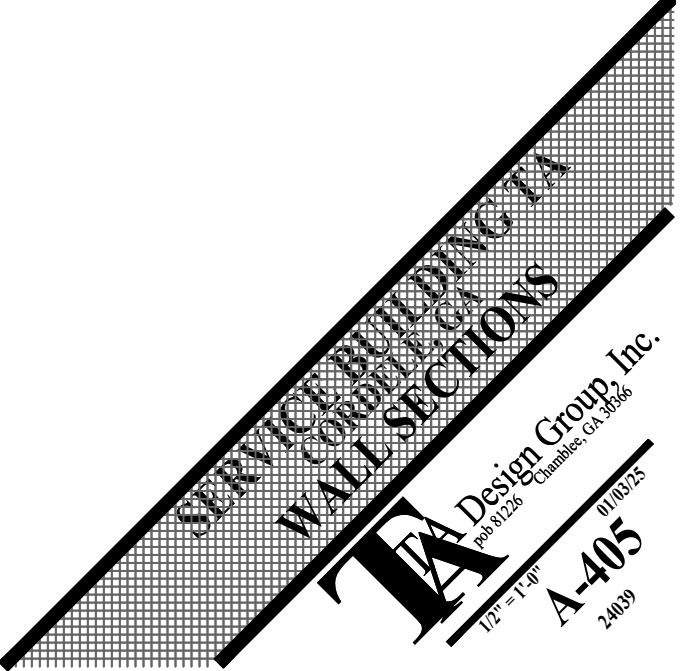
STROUD
AND COMPANY

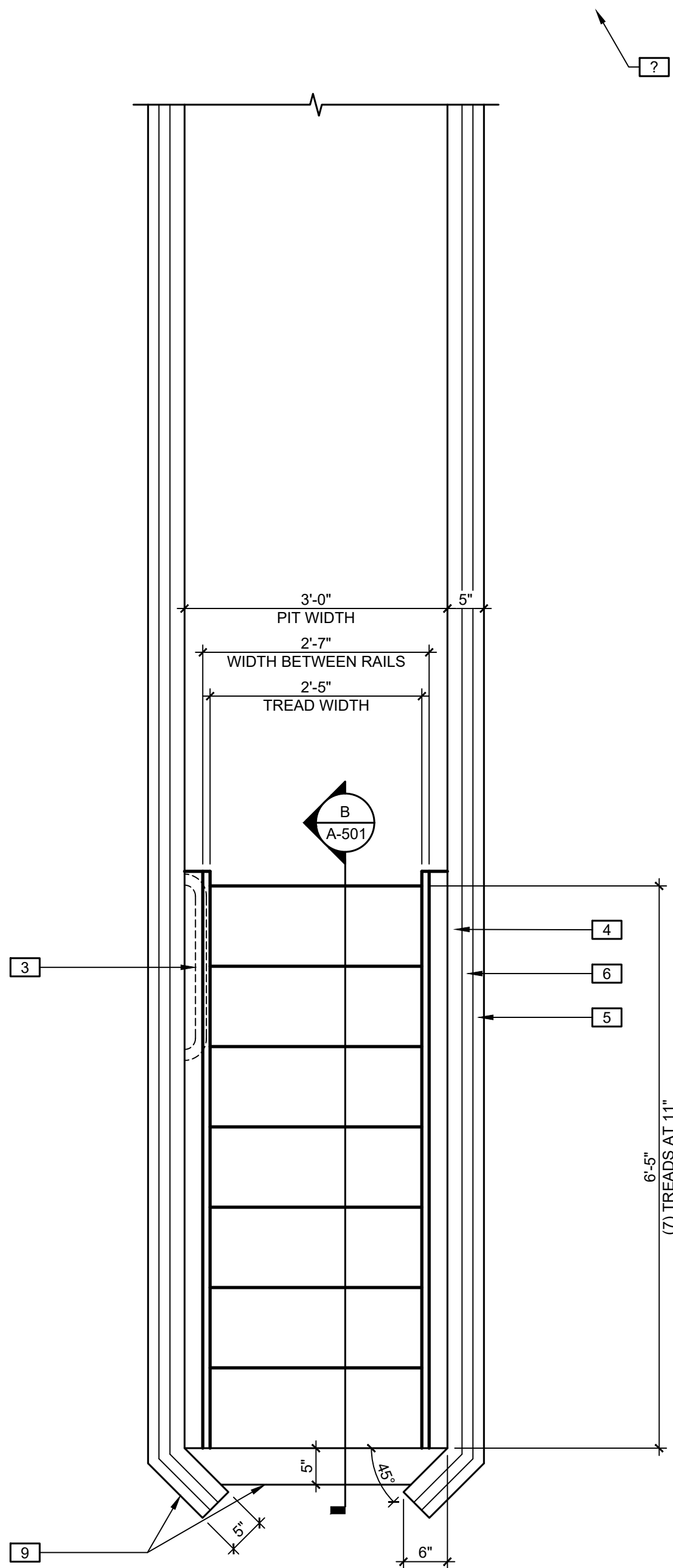


A WALL SECTION
1/2" = 1'-0"

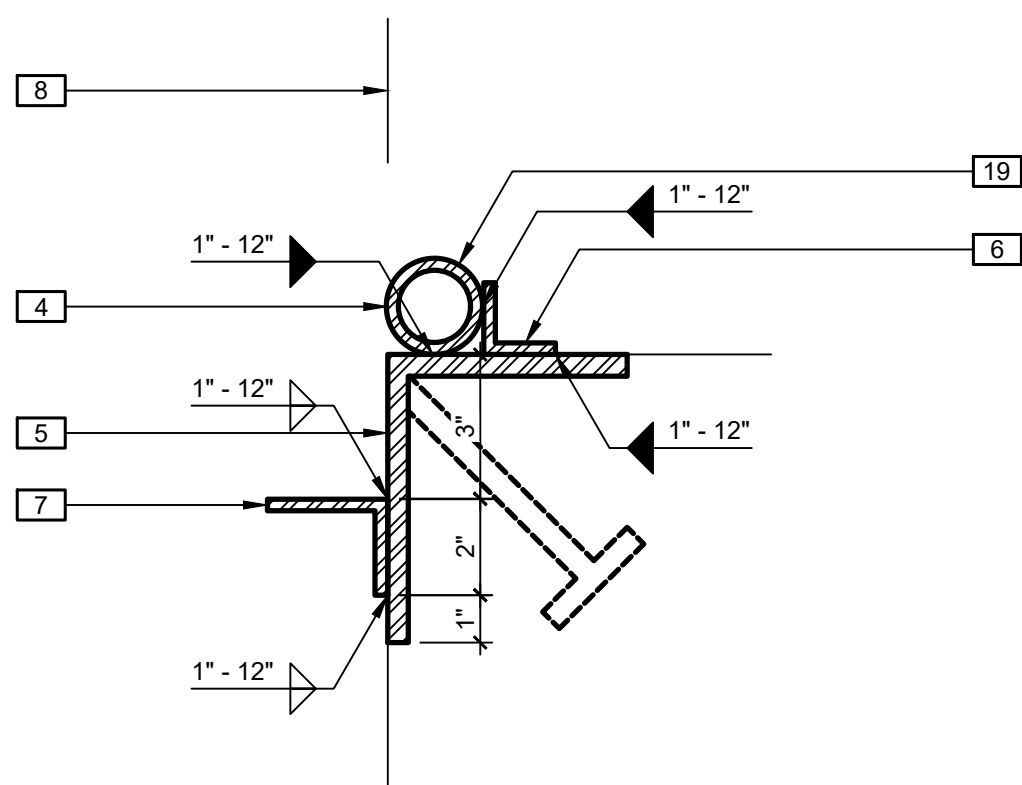


B WALL SECTION
1/2" = 1'-0"



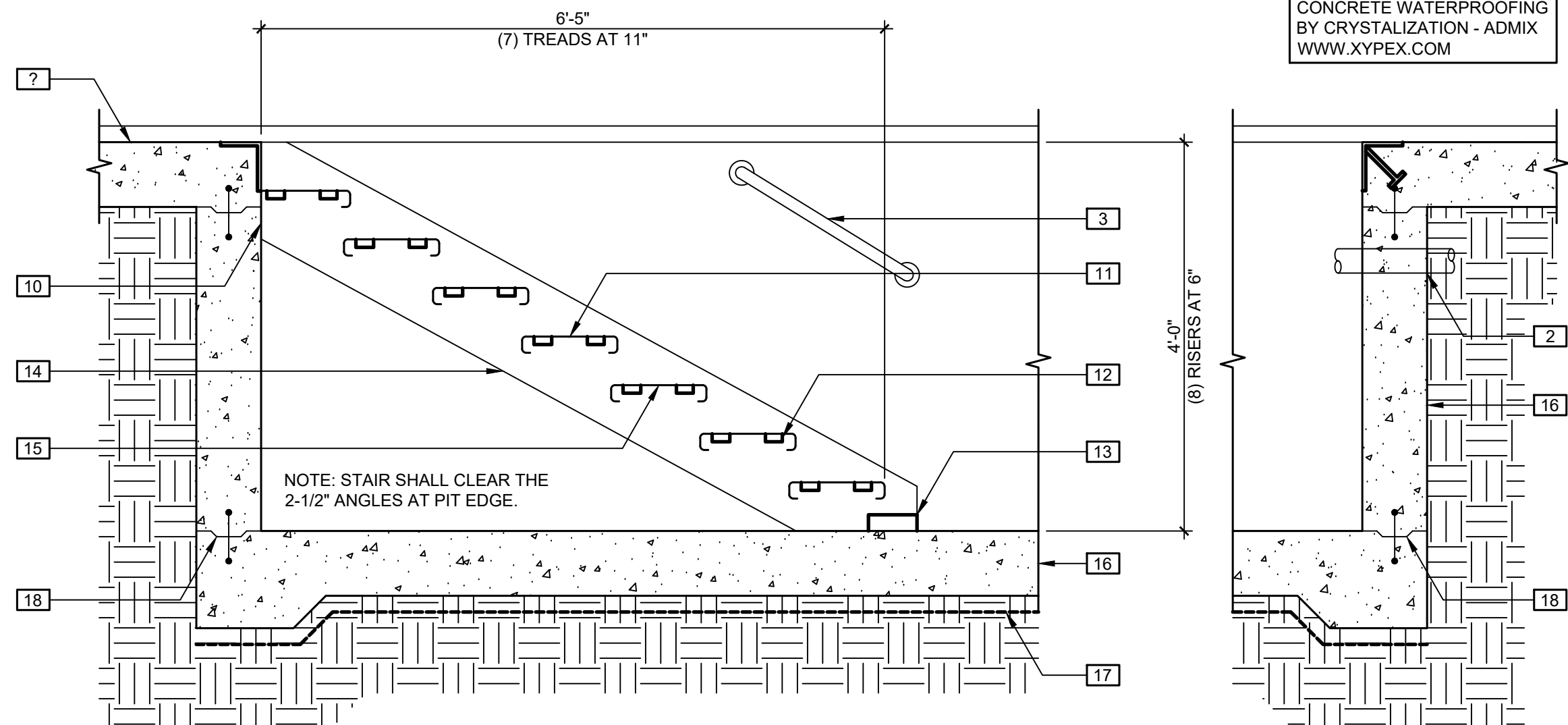


A SHOP BAY PIT DETAIL
SCALE: 3/4" = 1'-0"

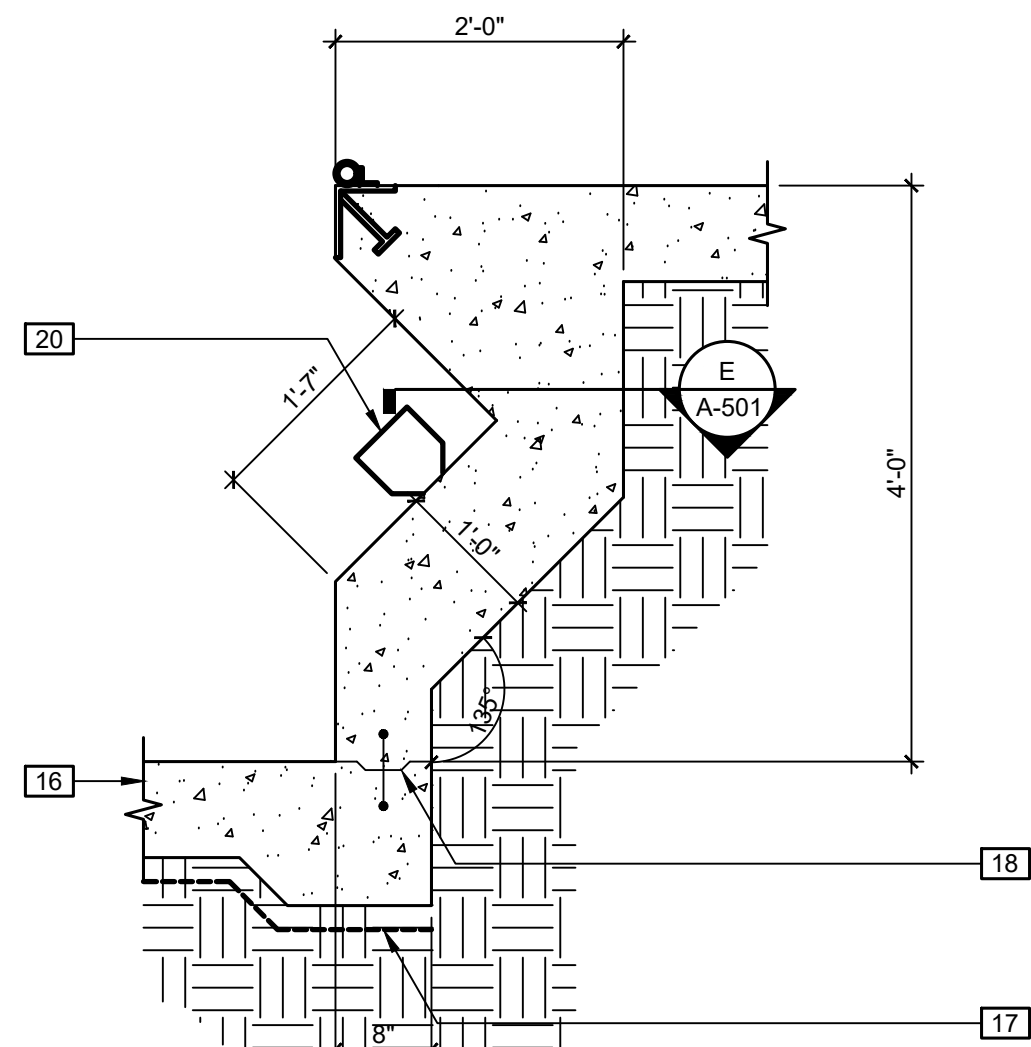


NOTE: PERIMETER ANGLE TO BE WELDED INTO CONTINUOUS FRAME, TYPICAL AT PERIMETER OF PIT.

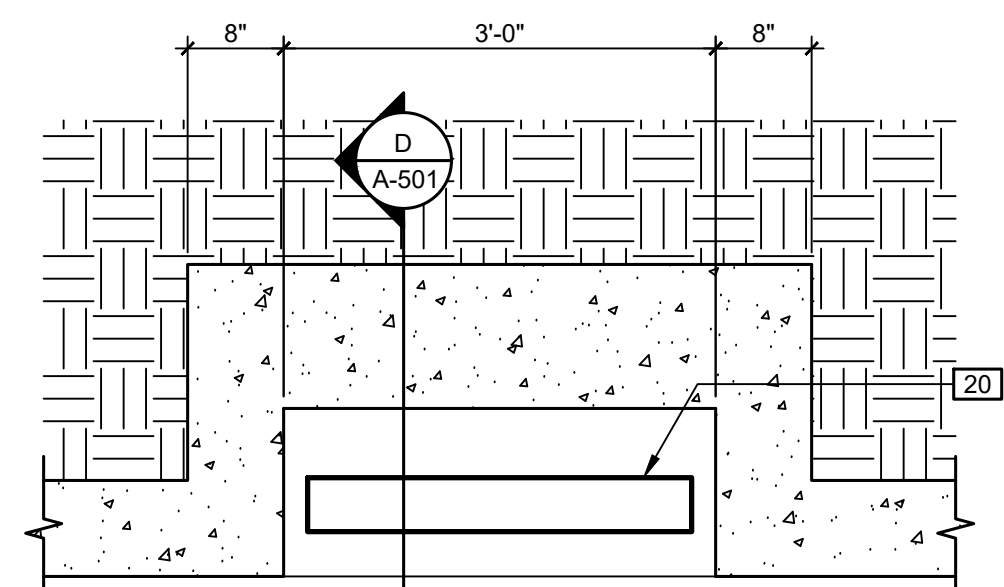
F PIPE / ANGLE CONN
SCALE: 3" = 1'-0"



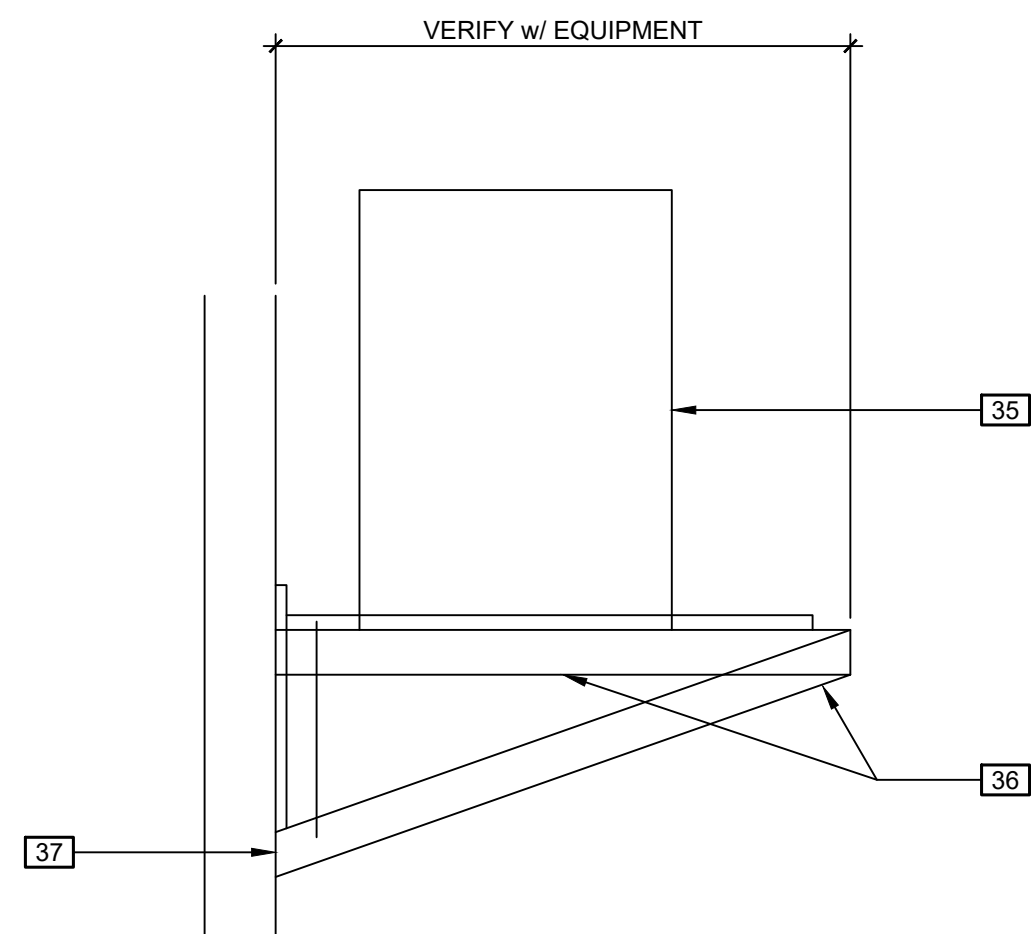
B SHOP BAY PIT DETAIL
SCALE: 3/4" = 1'-0"



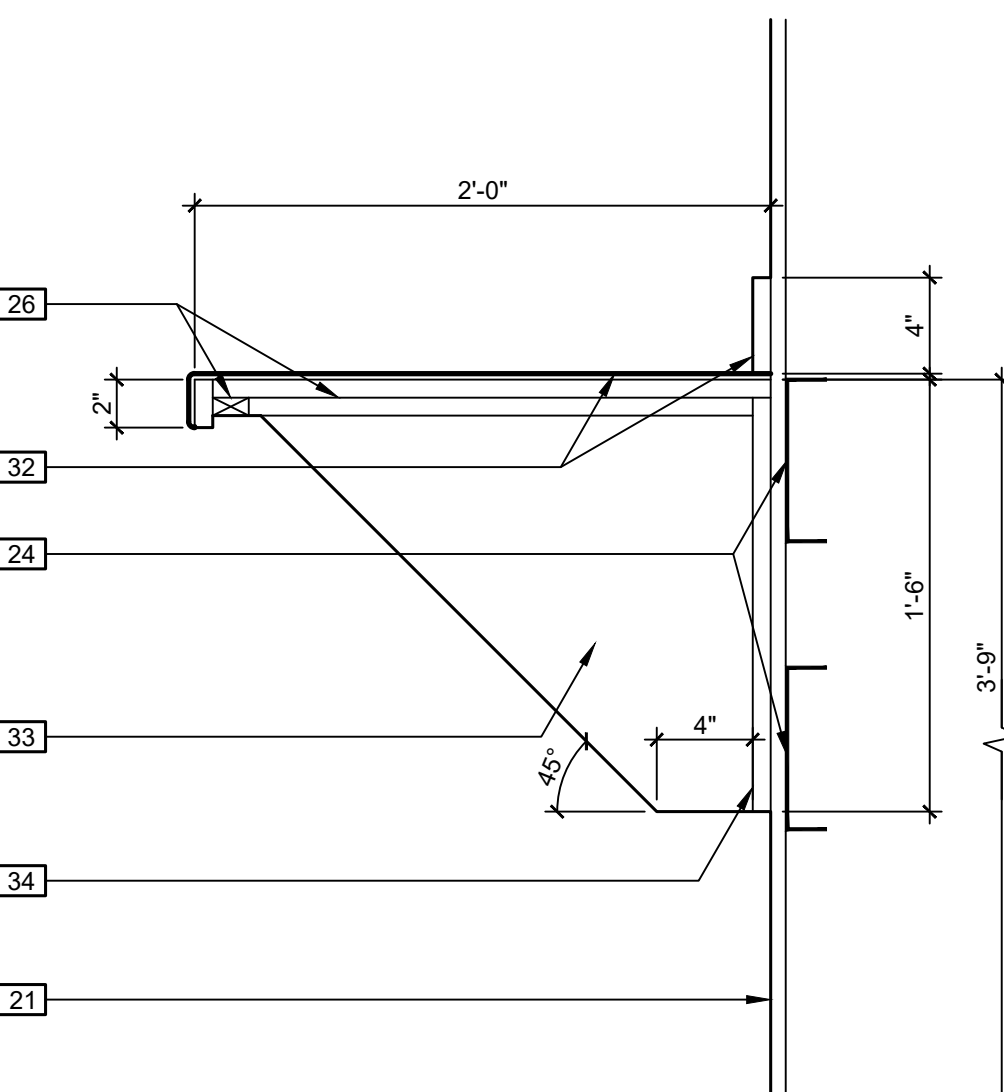
D SHOP BAY PIT DETAIL
SCALE: 3/4" = 1'-0"



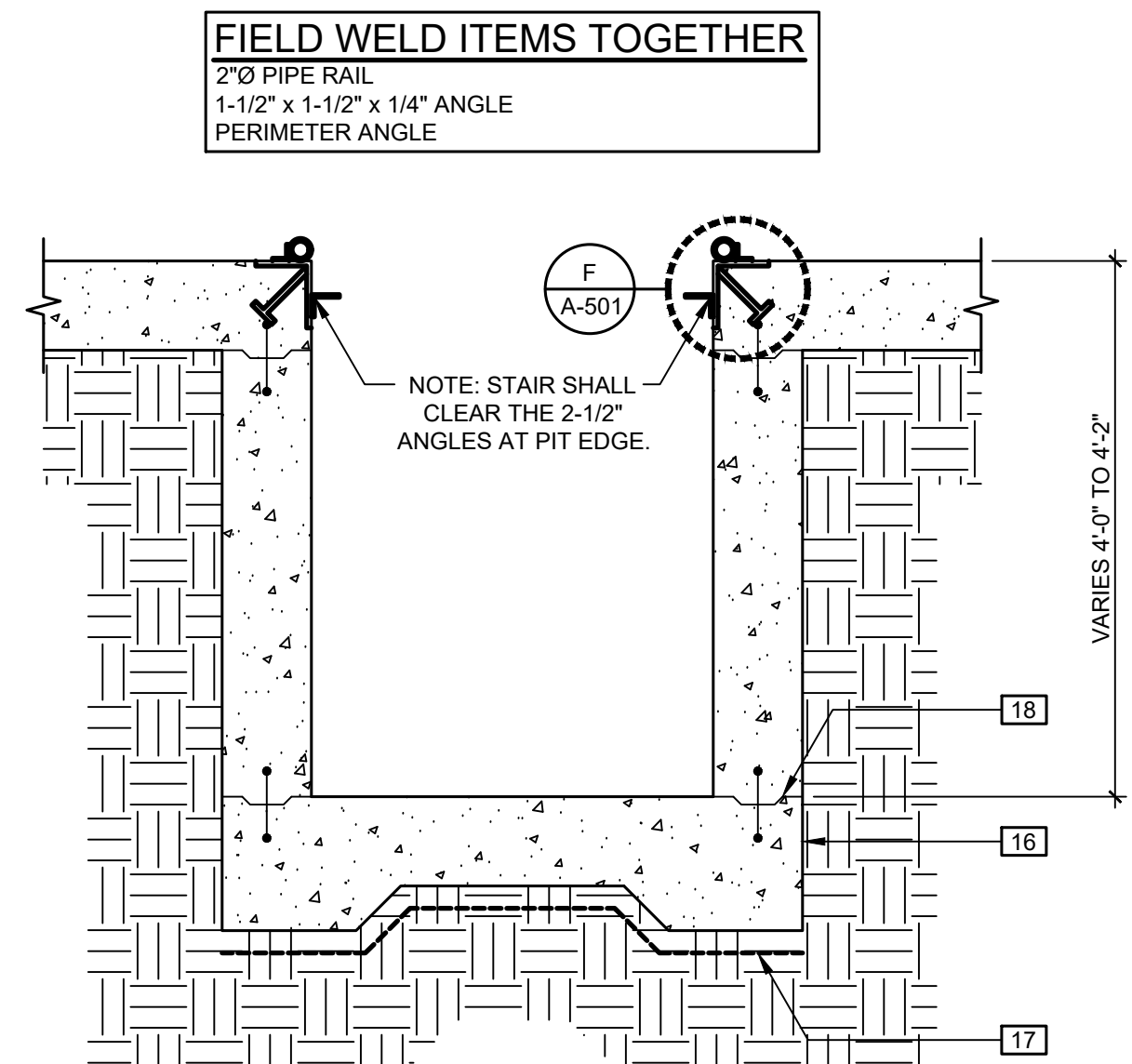
E SHOP BAY PIT DETAIL
SCALE: 3/4" = 1'-0"



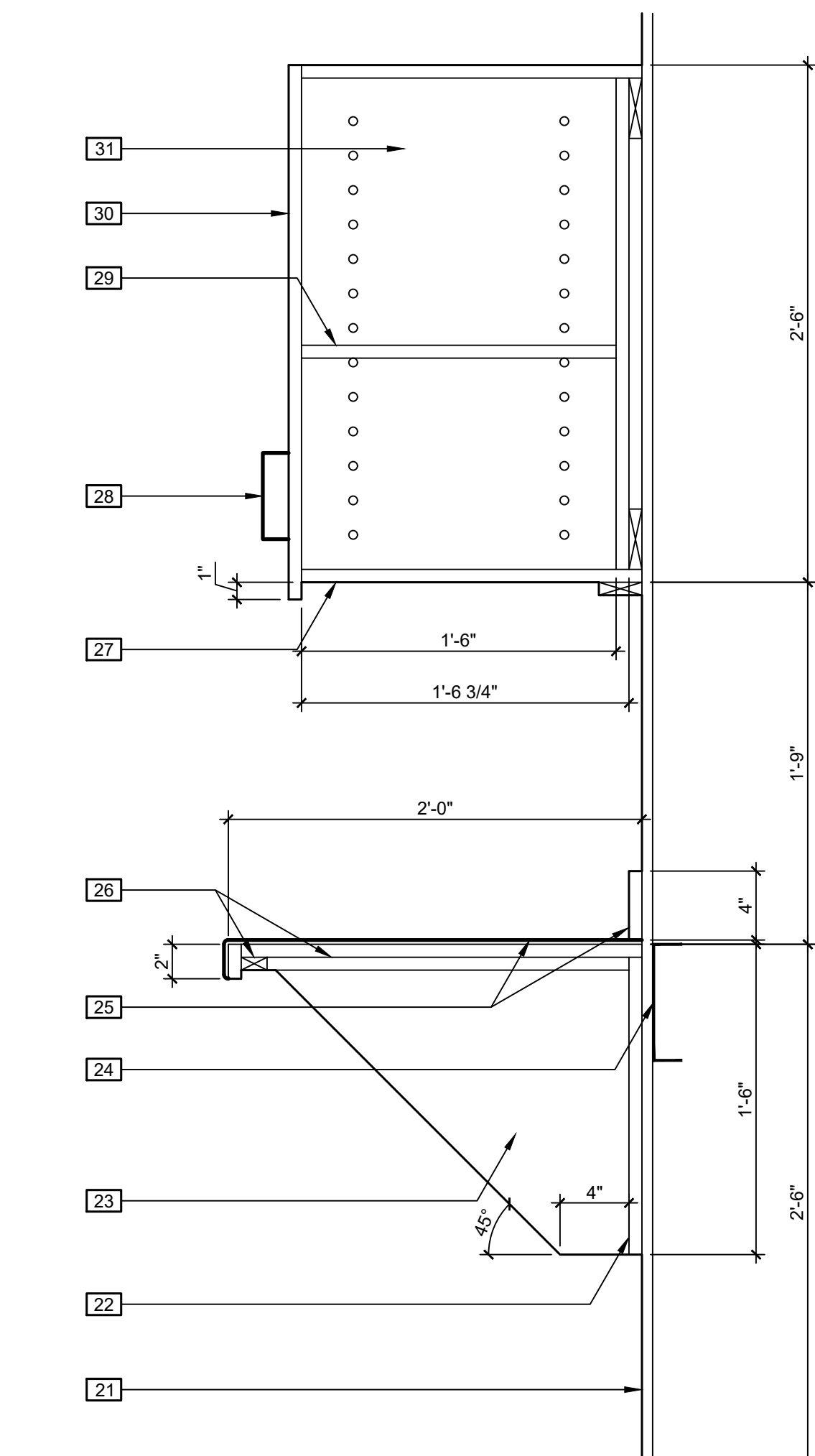
G DRYER RACK
SCALE: NTS



H INVENTORY COUNTER
SCALE: 1-1/2" = 1'-0"



C SHOP BAY PIT DETAIL
SCALE: 3/4" = 1'-0"



J OFFICE CASWORK
SCALE: 1-1/2" = 1'-0"

XYPEX NOTES
CONCRETE WATERPROOFING
BY CRYSTALLIZATION - ADMIX
WWW.XYPEX.COM

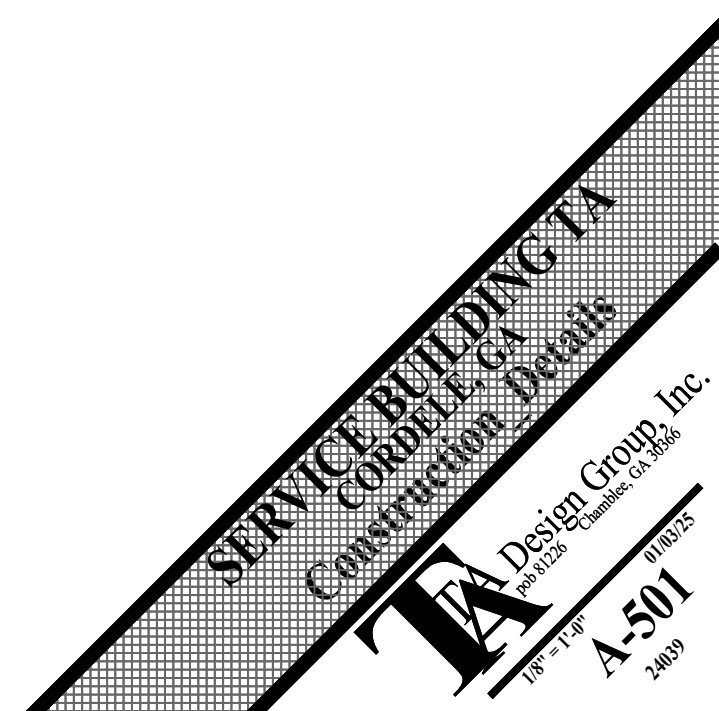
FIELD WELD ITEMS TOGETHER
2"Ø PIPE RAIL
1-1/2" x 1-1/2" x 1/4" ANGLE
PERIMETER ANGLE

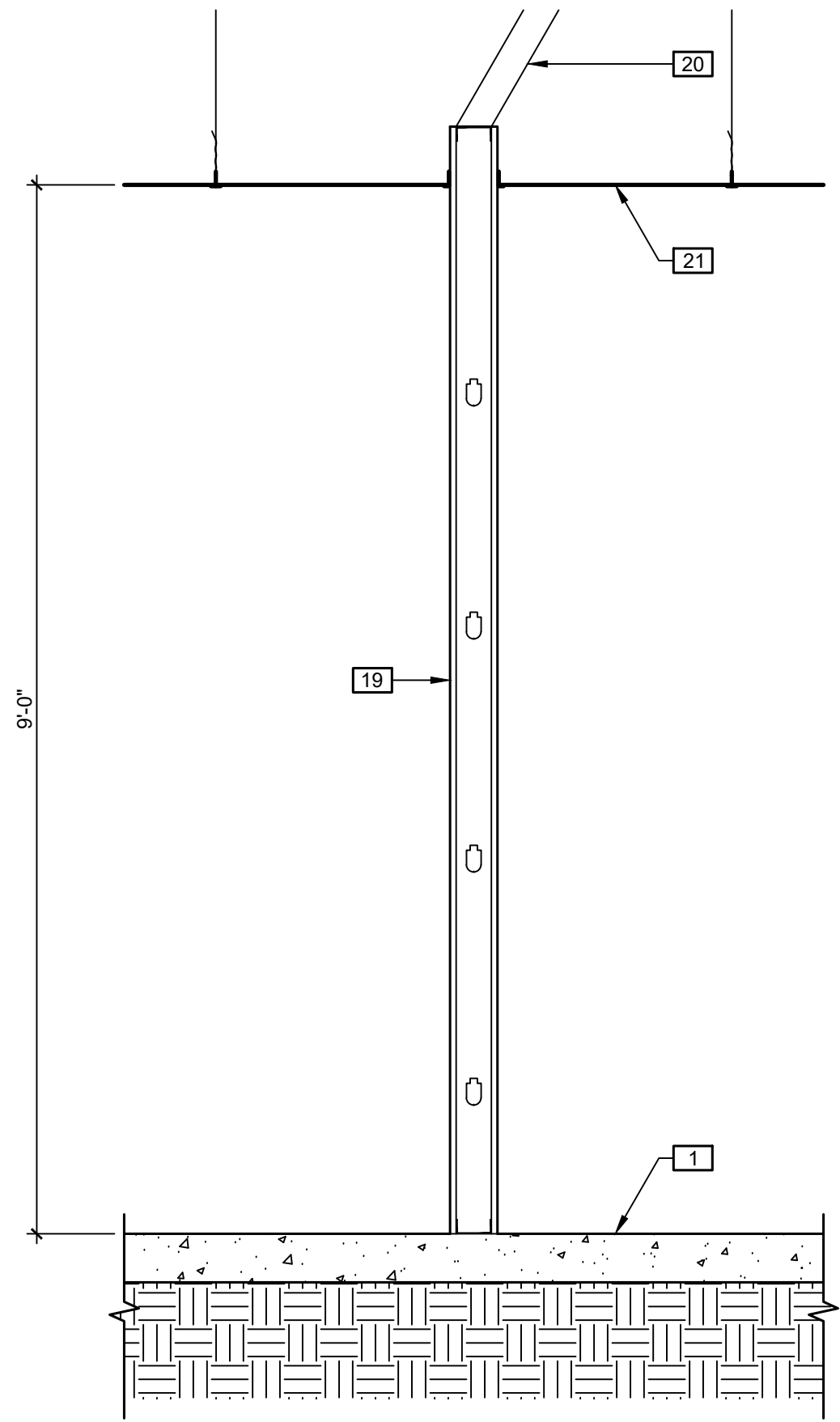
KEY NOTES

- SEE STRUCTURAL DRAWINGS FOR REINFORCING.
- FOR ALL PENETRATIONS USE LINK SEAL MODULAR SEALS FOR MORE INFORMATION GO TO WWW.LINKSEAL.COM
- 2'-0" LONG HANDRAIL, TYPICAL.
- 2"Ø x .50" WALL PIPE, CONTINUOUS AROUND PIT, TYPICAL OR EQUAL.
- 5" x 6" x 7/16" LLH ANGLE CONTINUOUS, w/ 6" NELSON STUDS 1/2"Ø AT 24" OC, TYPICAL.
- 1-1/2" x 1-1/2" x 1/4" ANGLE, CONTINUOUS.
- 2" x 2-1/2" x 1/4" ANGLE, CONTINUOUS.
- PIPE FLUSH w/ INSIDE OF PIT.
- EDGE ANGLE.
- 2"Ø x 4" x 3/8" P WELDED TO TUBE w/ 2-1/2"Ø x 4" EXP BOLT EACH SIDE.
- TS 2 x 12 x 1/4" STRINGER w/ CLOSURE PLATES WELDED AND GROUND SMOOTH EACH END. COLOR: SAFETY YELLOW.
- WELD BRACKETS TO INSIDE OF CHANNEL 1-1/4" x 1-1/4" x 3".
- 2" x 6" x 3/8" CLIP ANGLE WELD TO STAIR BOLT TO FLOOR w/ 2-1/2"Ø x 3" EXP BOLT
- PAINTED METAL LINEAR PANEL ON BOTTOM OF STAIRS.
- 11-3/4" WIDE x 2" x 2'-5" LONG GRIP STRUT TREAD (14 GA), TYPICAL.
- XYPEX ADDITIVE TO BE ADDED TO CONCRETE FOR WATERPROOFING.
- MINIMUM 2" PEA GRAVEL BASE.
- KEY w/ WATERSTOPS CONTINUOUS AT PIT WALL.
- ALL PIPE AND ANGLES TO BE PAINTED SAFETY YELLOW.
- VAPOR PROOF LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS.
- FACE OF WALL.
- PLASTIC LAMINATE OVER 3/4" HIGH-DENSITY PARTICLE BOARD (4" BY HEIGHT-MOUNT SUPPORT STRUT AT MID POINT).
- PLASTIC LAMINATE OVER 3/4" HIGH-DENSITY PARTICLE BOARD SUPPORT STRUTS. MOUNT AT OPEN ENDS AND 42" OC MAX, w/ LEDGER AT WALL.
- BACKING PLATE BETWEEN STUDS.
- PLASTIC LAMINATE SPLASH AND COUNTER TOP OVER 3/4" HIGH-DENSITY PARTICLE BOARD, TYPICAL.
- WOOD FRAMING AT COUNTER.
- PLASTIC LAMINATE OVER 3/4" HIGH-DENSITY PARTICLE BOARD CABINET, TYPICAL.
- ALUMINUM PULL (SELECTED BY OWNER).
- MELAMINE FINISH OVER 3/4" HIGH-DENSITY PARTICLE BOARD ADJUSTABLE SHELVING, TYPICAL.
- DOOR w/ PLASTIC LAMINATE FINISH.
- MELAMINE AT FACE OF INSIDE CABINET, TYPICAL.
- 3/4" EXTERIOR GRADE PLYWOOD PAINTED w/ (1) COAT OF PRIMER (2) COATS TA BLUE (TYPICAL AT ALL EXPOSED SURFACES).
- 3/4" EXTERIOR GRADE PLYWOOD w/ (1) COAT PRIMER (2) COATS DEEP ROYAL BEHR 580D-7 FOR ALL EXPOSED SURFACES.
- 3/4" EXTERIOR GRADE PLYWOOD SUPPORT STRUTS PAINTED w/ (1) COAT OF PRIMER (2) COATS DEEP ROYAL BEHR 580D-7 FOR ALL EXPOSED SURFACES. MOUNT AT EACH END AND CENTER (6'-0" WIDE COUNTER).
- DRYER.
- 1-1/2" x 1-1/2" x 3/16" FRAME SECURE TO WALL AS REQUIRED.
- SECURE TO WALL w/ 3/8" TOGGLE BOLTS AS REQUIRED (PROVIDE BLOCKING IN WALL).

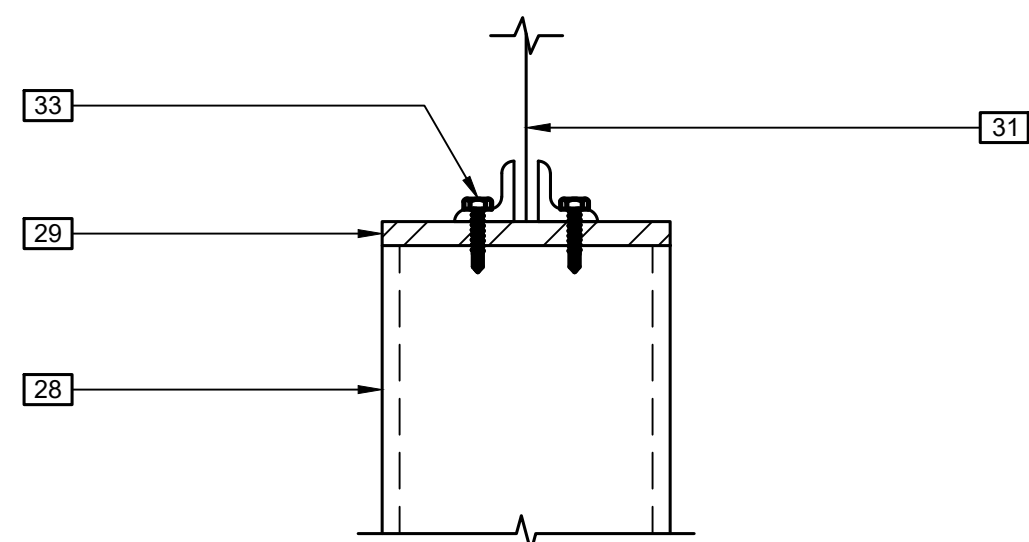
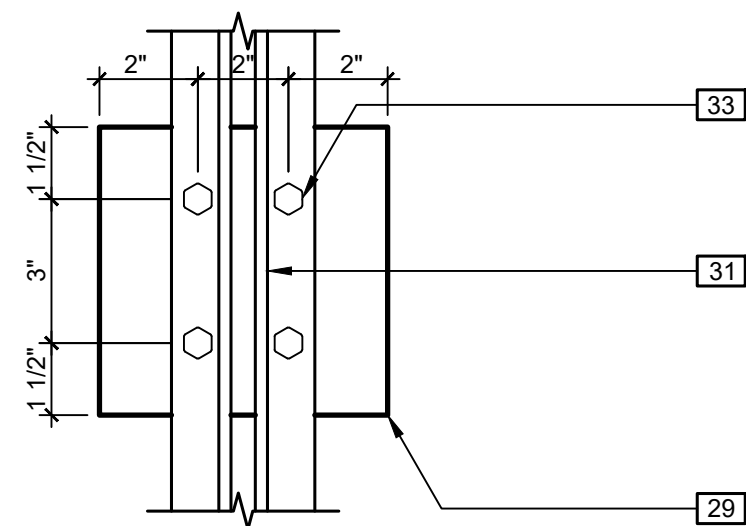


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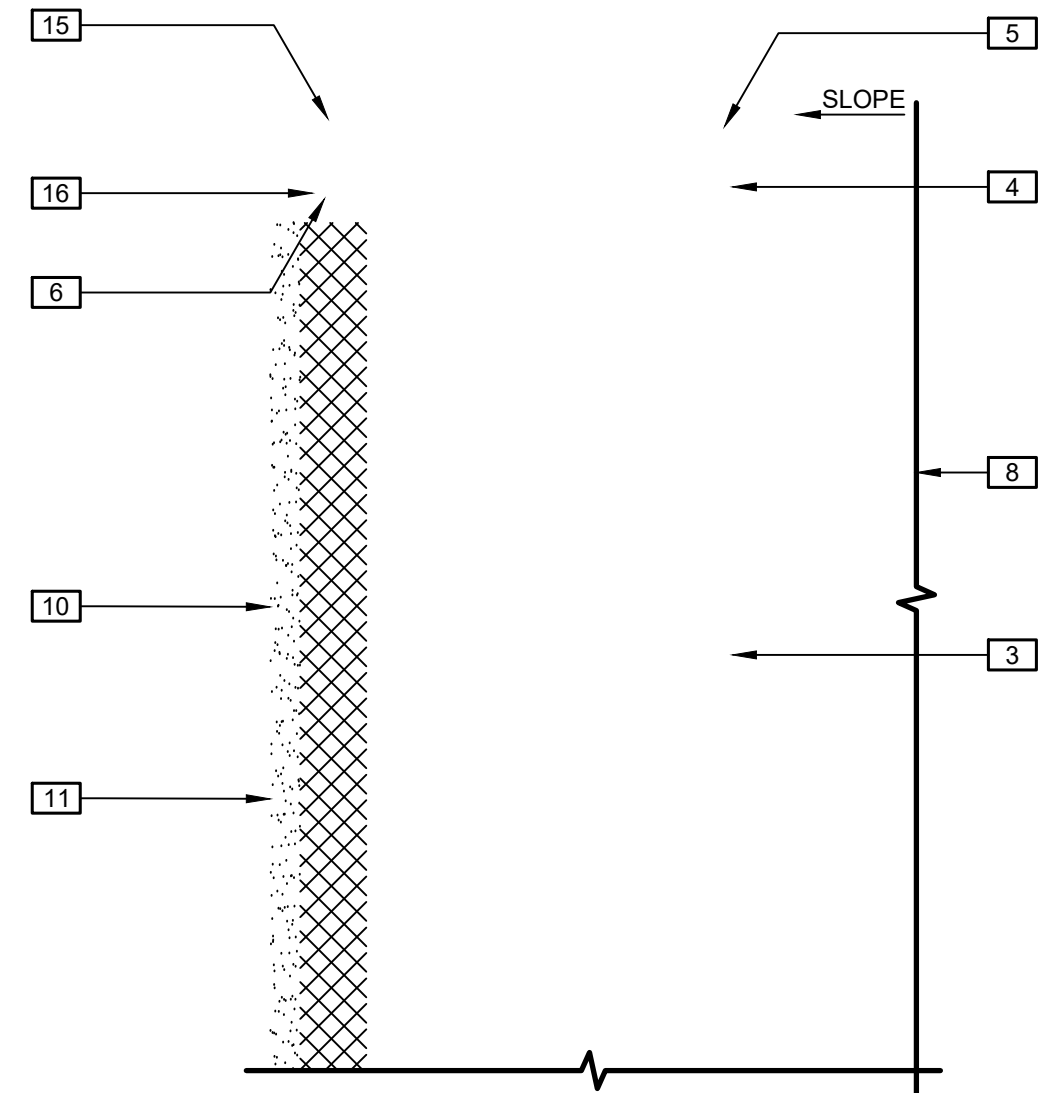




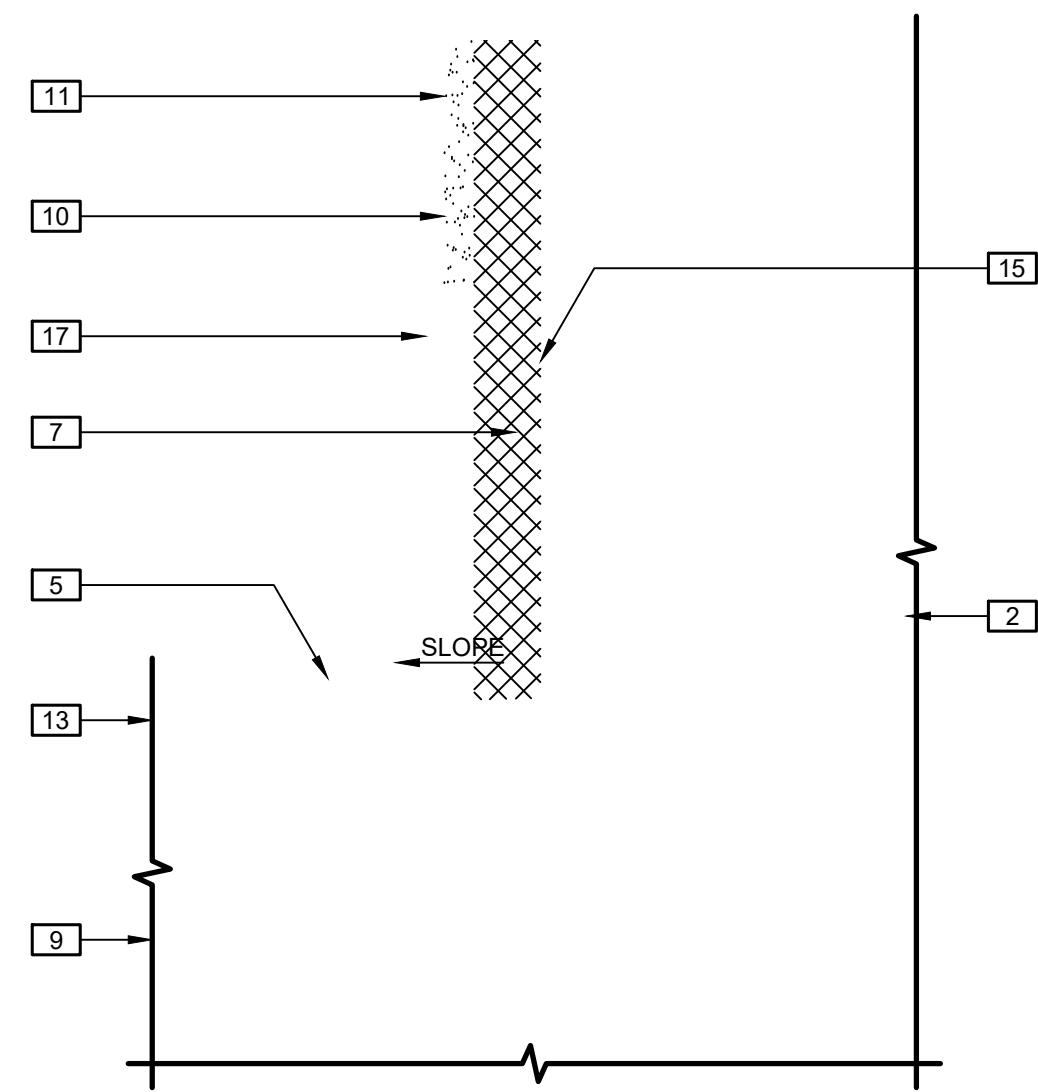
A INTERIOR PARTITION SECTION
SCALE: 3/4" = 1'-0"



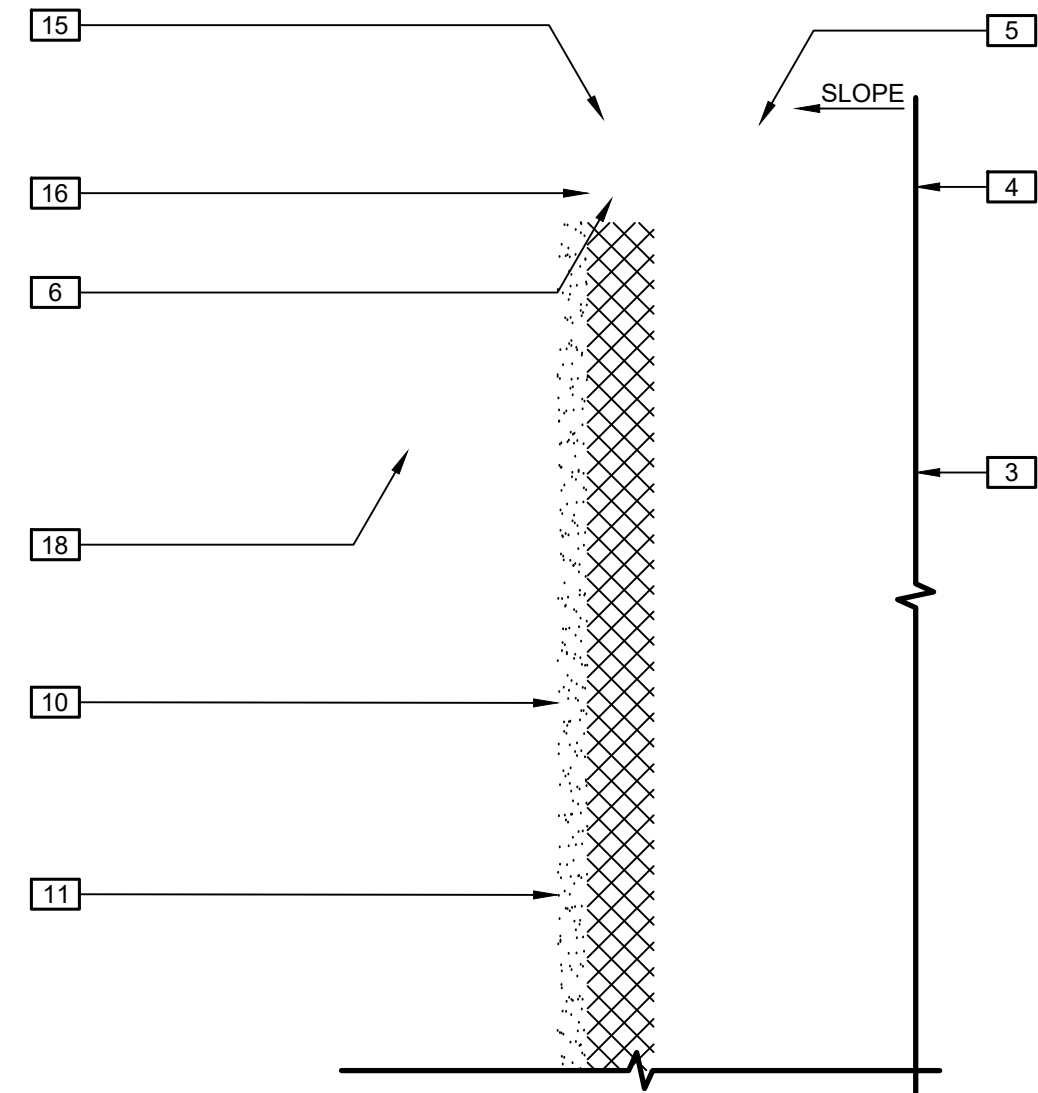
H STEEL COL CONN
SCALE: 3" = 1'-0" OVERHEAD (TYPICAL)



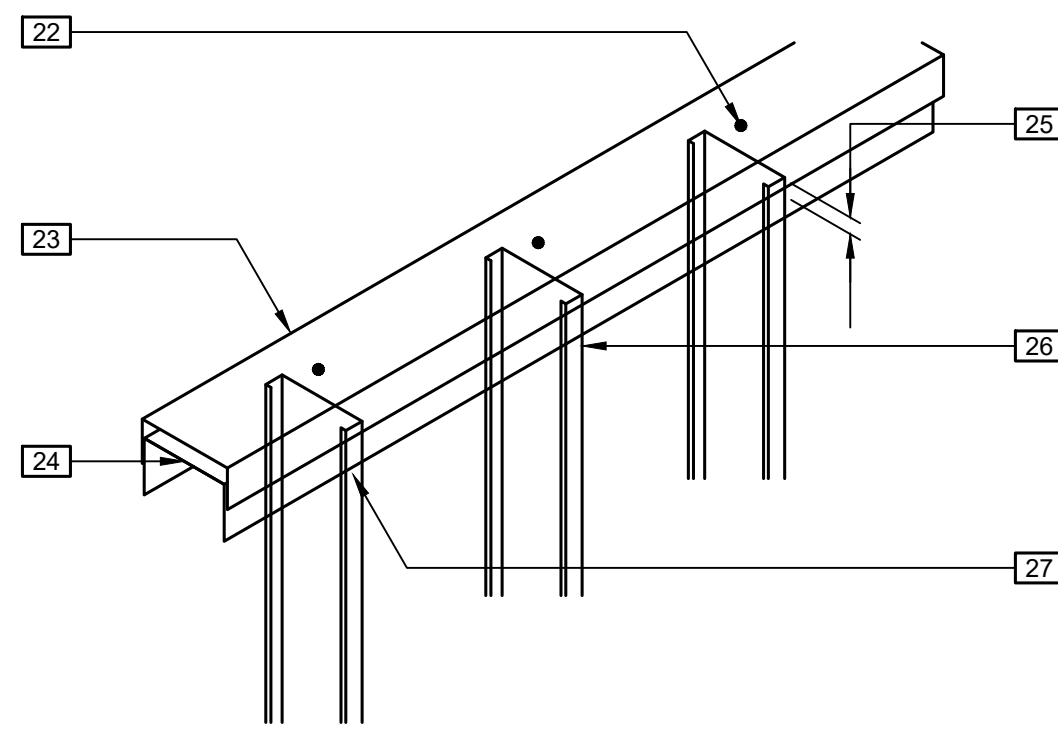
B CAP FLASHING DETAIL
SCALE: 3" = 1'-0"



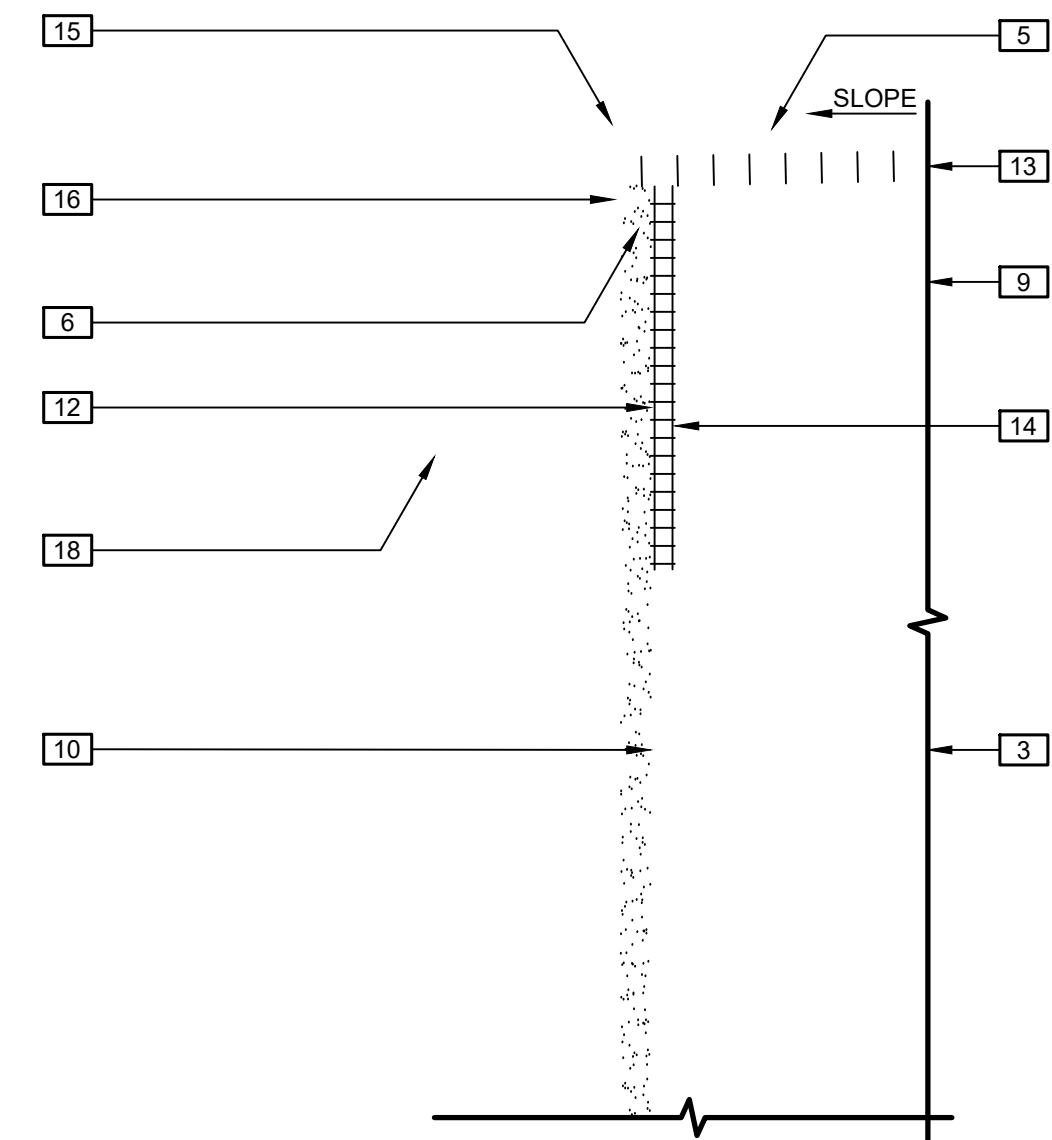
E WALL FLASHING DETAIL
SCALE: 3" = 1'-0"



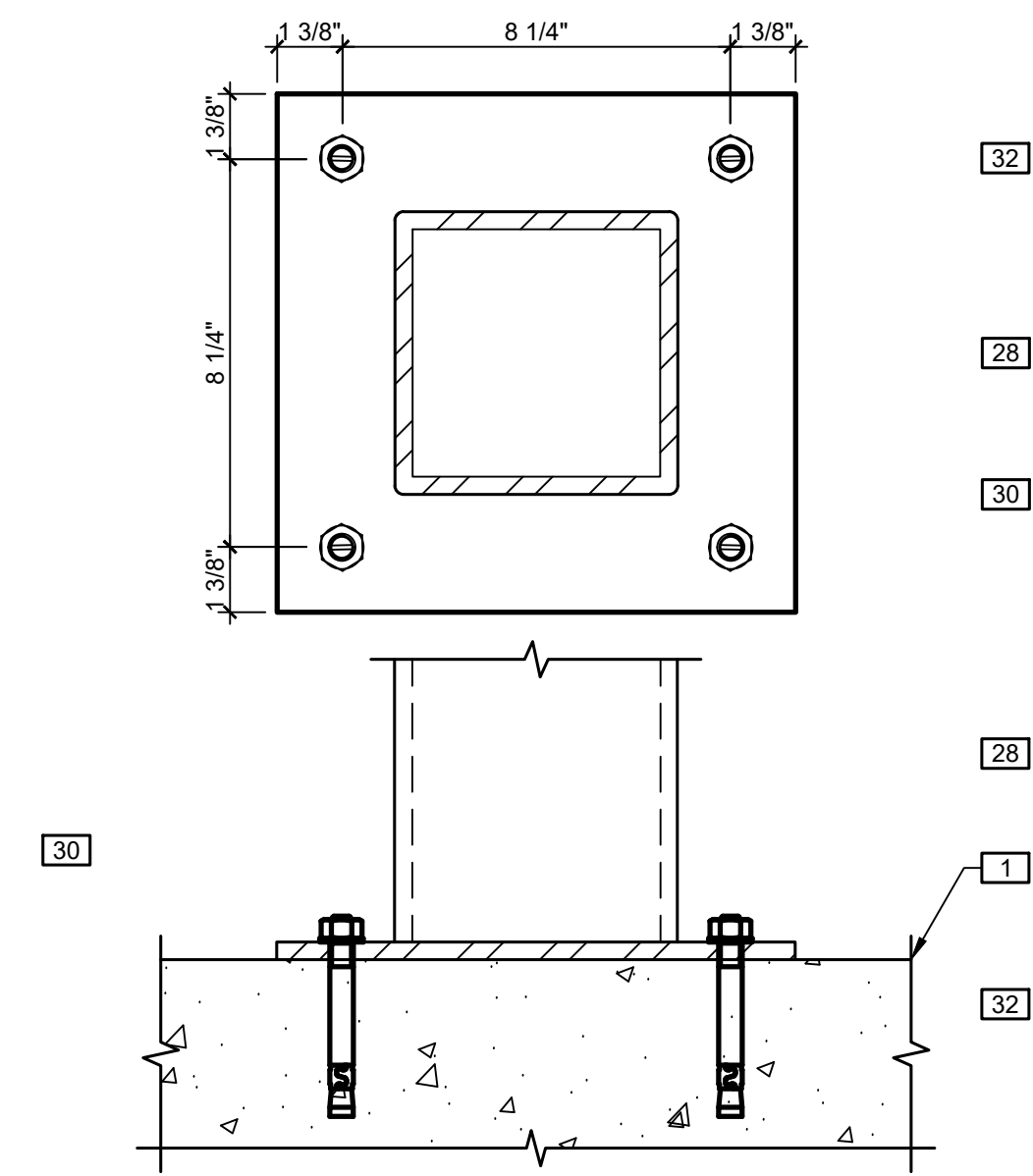
C CAP FLASHING DETAIL
SCALE: 3" = 1'-0"



F DEFLECTION TRACK AT NONRATED WALLS
SCALE: 3/4" = 1'-0"



D CAP FLASHING DETAIL
SCALE: 3" = 1'-0"



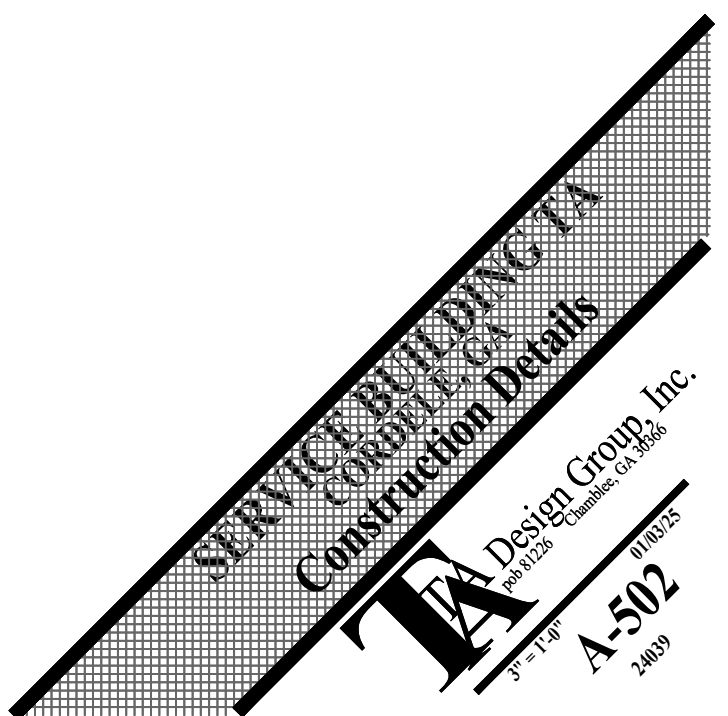
G STEEL COL CONN
SCALE: 3" = 1'-0" OVERHEAD (TYPICAL)

KEY NOTES

1. CONCRETE SLAB ON GRADE, SEE STRUCTURAL DRAWINGS.
2. 8" WIDE CONCRETE MASONRY UNIT WALL SYSTEM, SEE STRUCTURAL DRAWINGS FOR REINFORCING.
3. CAST-IN-PLACE CONCRETE BEAM, SEE STRUCTURAL DRAWINGS FOR SIZE AND REINFORCING.
4. PT 2x8 x CONTINUOUS BLOCKING, SEE STRUCTURAL DRAWINGS FOR FASTENING PATTERN. (COUNTERSINK FASTENERS TO ALLOW COPING CAP FLASHING TO PASS SMOOTHLY OVER).
5. TPO (THERMOPLASTIC POLYOLEFIN) ROOF SYSTEM.
6. EXTEND TPO OVER PT WOOD BLOCKING, TYPICAL.
7. EXTEND TPO UP WALL MINIMUM 6" .
8. SLOPED INSULATION BOARD.
9. 8" WIDE METAL STUDS AT 16" OC ATTACHED TO FACE OF CONCRETE MASONRY UNIT WALL.
10. WATERPROOF EXTERIOR WALL PLASTER CEMENT RENDER SKIM COAT.
11. RIGID INSULATION.
12. METAL LATH.
13. 5/8" PLYWOOD SHEATHING.
14. 1/2" DENSGLASS GOLD SHEATHING
15. CONTINUOUS BEAD OF SEALANT, INSTALL AMOUNT AS REQUIRED TO INSURE ADEQUATE SEALING.
16. CONTINUOUS ALUMINUM CAP FLASHING SET IN A BEAD OF SEALANT FASTEN TO WOOD BLOCKING.
17. SHOP FABRICATED 2 PIECE METAL COUNTER FLASHING / STUCCO STOP IN STANDARD COLOR.
18. GUTTER & DOWNSPOUT. INSULATION PER MANUFACTURE RECOMMENDATIONS.
19. 3-5/8" METAL STUD (SEE STUD CHART ON SHEET A-602 TO SELECT GAUGE AND SPACING) w/ 5/8" DRYWALL EACH SIDE.
20. BRACING AS NECESSARY.
21. 2x2 LAY-IN CEILING PER ROOM FINISH SCHEDULE.
22. FASTENERS TO STRUCTURAL STEEL AS REQUIRED.
23. .54 MIL X2-1/2" LEG VERTICAL SLOTTED HOLE DEFLECTION TRACK.
24. STANDARD TRACK SIZE AND GAGE PER PLAN.
25. GAP AS REQUIRED.
26. TYPICAL STUD, SIZE AND GAGE AS REQUIRED.
27. SCREW(S) AS REQUIRED PER FLANGE ALLOW CLEARANCE BELOW SLIP TRACK EQUAL TO VOID ABOVE STUD.
28. 6x6 STEEL COLUMN (NON-STRUCTURAL).
29. 6" x 6" STEEL PLATE WELDED TO TOP OF STEEL COLUMN.
30. 11" x 11" STEEL PLATE WELDED TO BOTTOM OF STEEL COLUMN.
31. PRE-ENGINEERED METAL JOIST.
32. WEDGE ANCHOR BY HILTI OR EQUAL.
33. SELF-DRILLING METAL SCREW BY HILTI OR EQUAL.



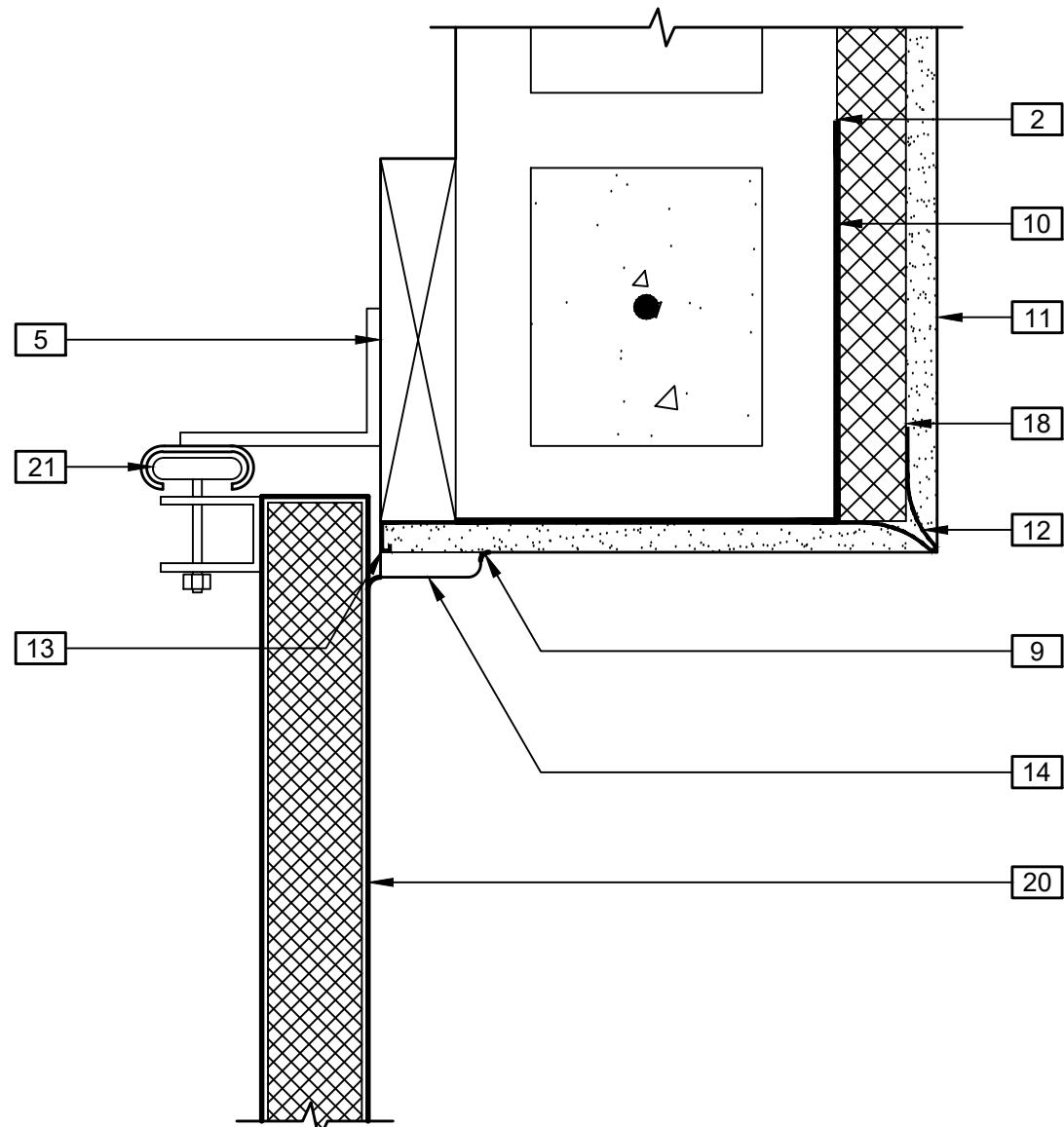
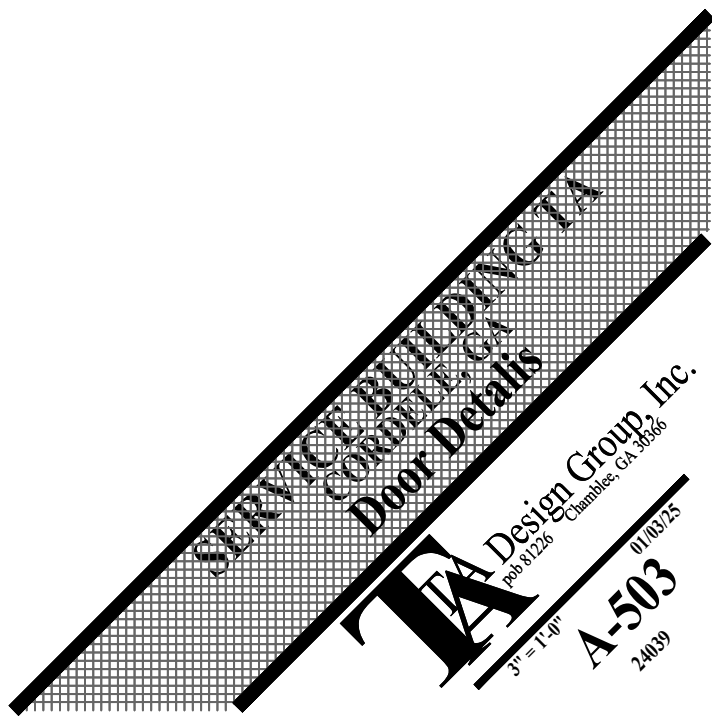
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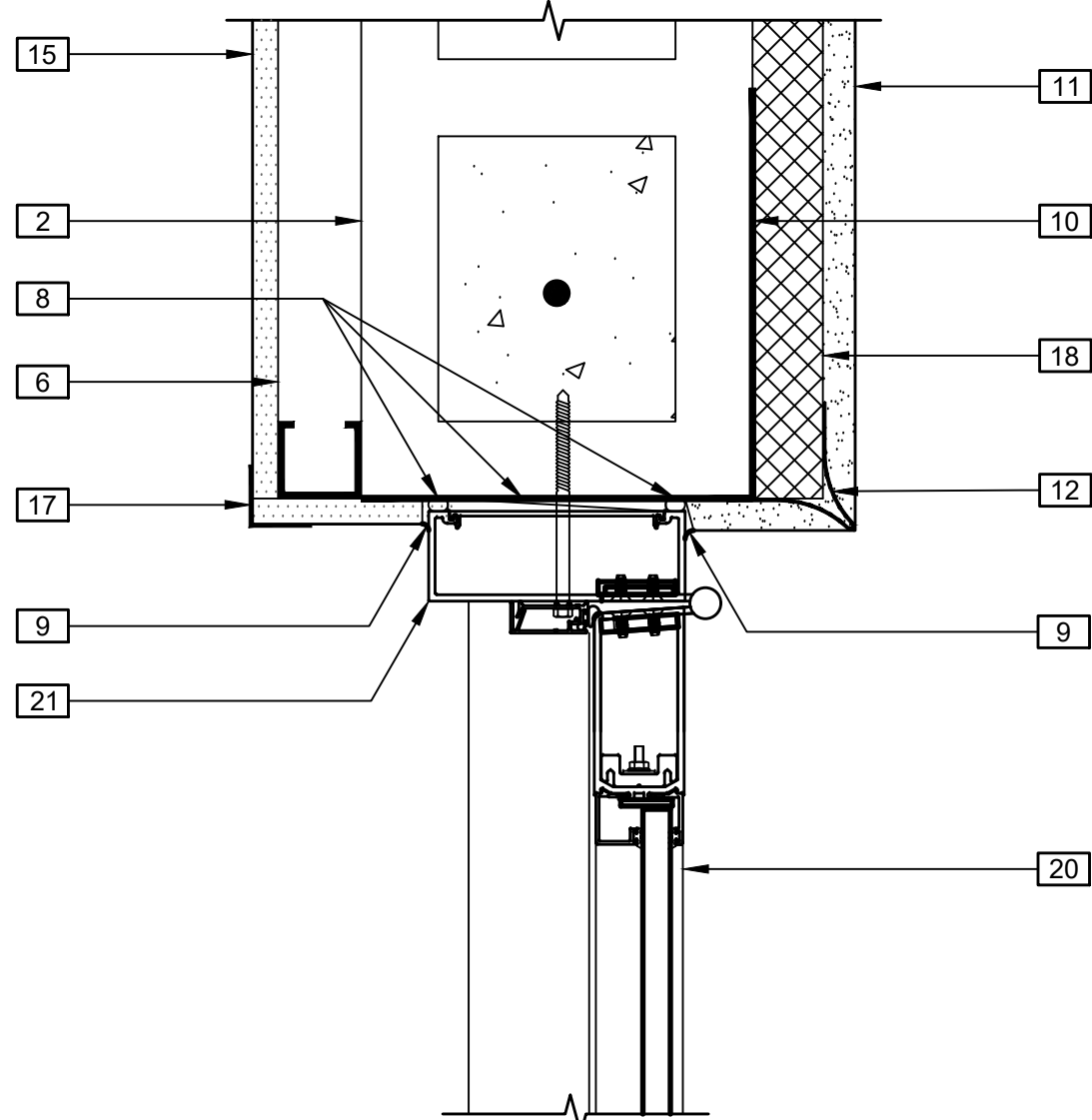


KEY NOTES

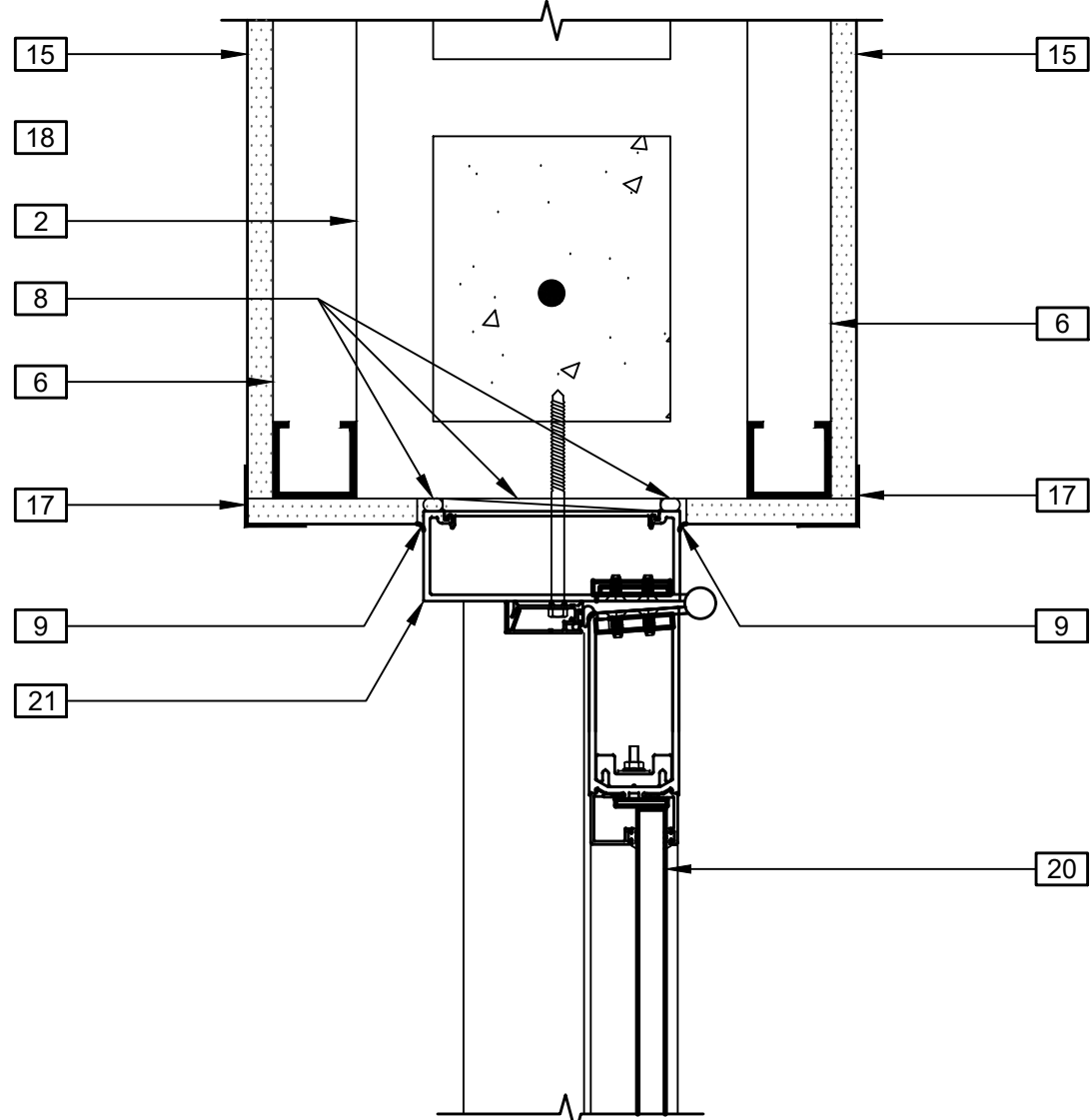
- 1 8" CONCRETE MASONRY UNIT.
- 2 8" CONCRETE MASONRY UNIT, GROUT FILLED, SEE STRUCTURAL DRAWINGS FOR REINFORCING.
- 3 8" PRECAST CONCRETE LINTEL, GROUT FILLED SEE STRUCTURAL DRAWINGS FOR REINFORCING.
- 4 TOP OF CONCRETE SLAB.
- 5 PT 2x, SIZE & ATTACHMENT PER MANUFACTURE RECOMMENDATIONS.
- 6 1-5/8" WIDE METAL FRAMING STUDS AT 16" OC.
- 7 3-5/8" OR 6" WIDE METAL STUDS AT 16" OC, SEE PLAN FOR LOCATION.
- 8 PLASTIC SHIM & BACKER ROD (BACKER ROD WHERE APPLICABLE.
- 9 CONTINUOUS BEAD OF SEALANT, INSTALL AMOUNT AS REQUIRED TO INSURE ADEQUATE SEALING.
- 10 TREMCO EXCO-AIR 23 TO BE APPLIED 8" WIDE CONTINUOUS BAND AROUND OUTSIDE AND INNER FACE OF EXTERIOR WALL.
- 11 STUCCO FINISH.
- 12 BRICK VENEER FINISH.
- 13 PLASTIC WEATHER STRIP.
- 14 PLASTIC STUCCO CORNER BEAD.
- 15 1/2" GWB W/ TEXTURE FINISH.
- 16 5/8" PLYWOOD SHEATHING (FIRE-RETARDANT).
- 17 PAPER-FACED DRYWALL CORNER BEAD.
- 18 RIGID WALL INSULATION.
- 19 FIBERGLASS BATT INSULATION.
- 20 DOOR, REFER TO PLAN AND SCHEDULE FOR LOCATION, TYPE AND SIZE.
- 21 DOOR FRAME OR TRACK, REFER TO SCHEDULE FOR TYPE, INSTALL PER MANUFACTURE RECOMMENDATIONS (CENTER FRAME IN MASONRY OPENING, TYPICAL).
- 22 DOOR THRESHOLD ANCHORED TO CONCRETE SLAB SET IN A BED SEALANT OR NON-SHRINK GROUT. USE STAINLESS STEEL FASTENERS.
- 23 GALVANIZED MASONRY DOOR FRAME TIE IN GROUT FILL.
- 24 VINYL THRESHOLD GASKET.
- 25 FLOOR FINISH, REFER TO FINISH SCHEDULE.



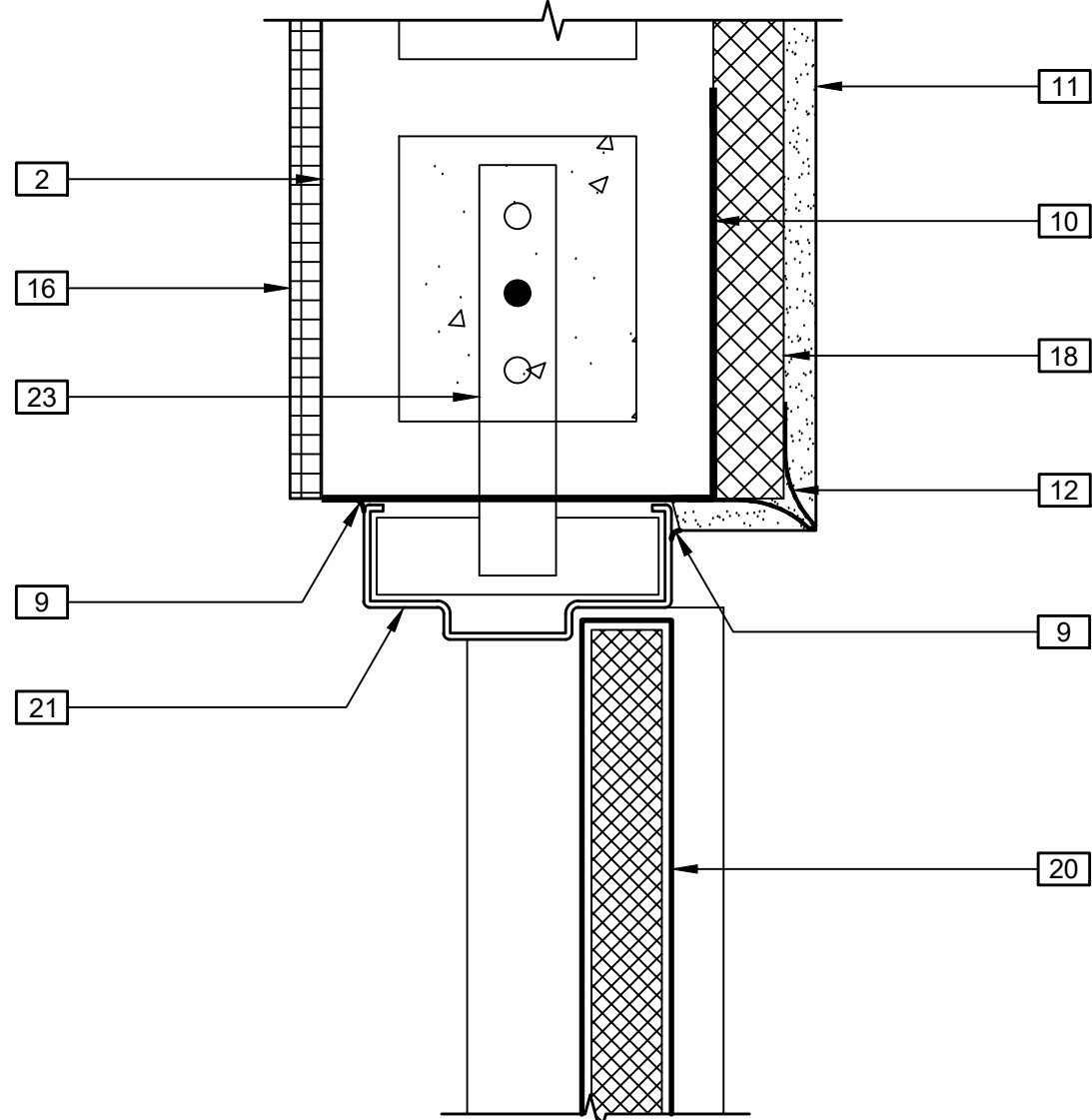
B DOOR - JAMB
SCALE: 3" = 1'-0" OVERHEAD (TYPICAL)



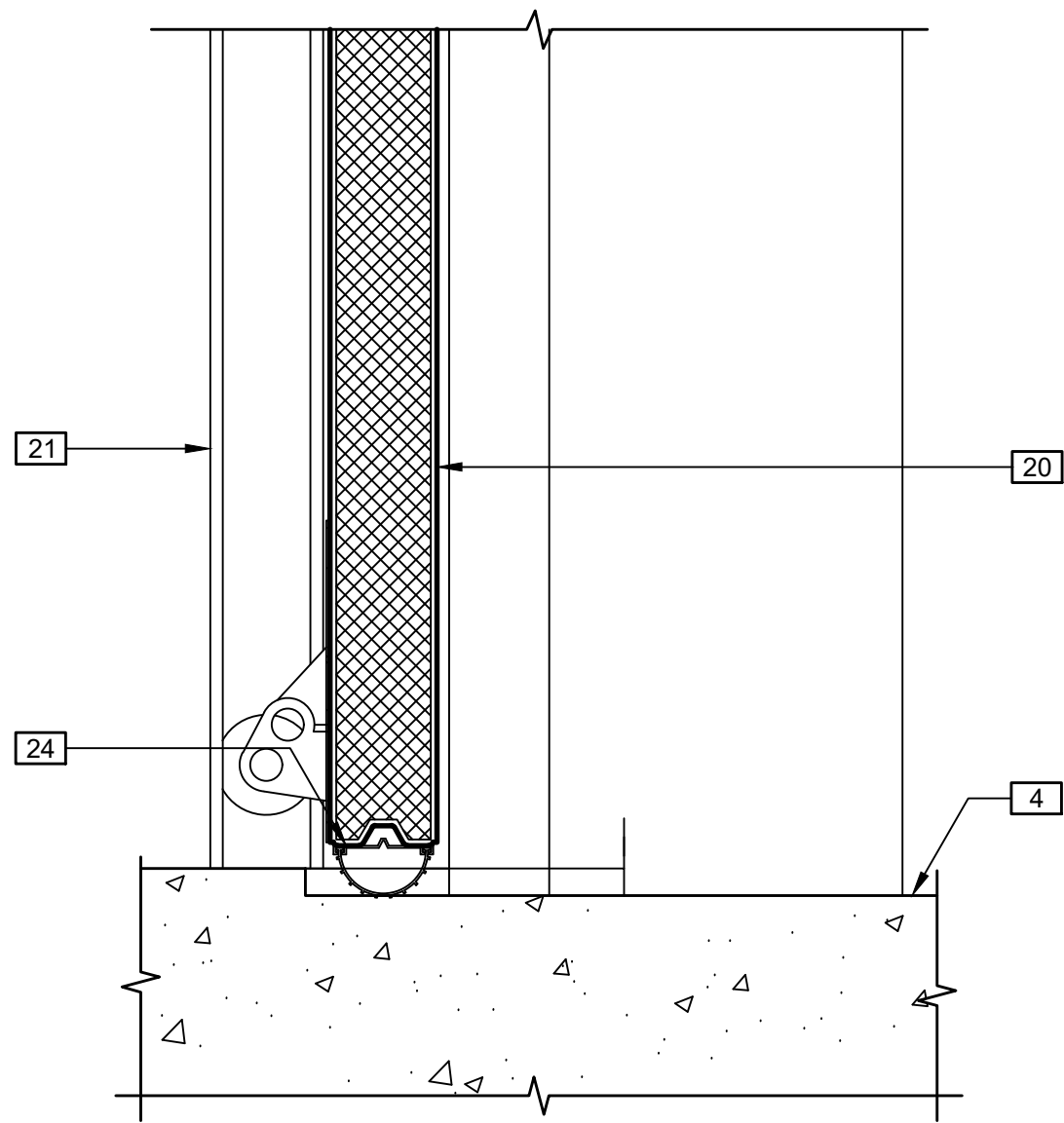
E DOOR - JAMB
SCALE: 3" = 1'-0" STOREFRONT (DOOR 1)



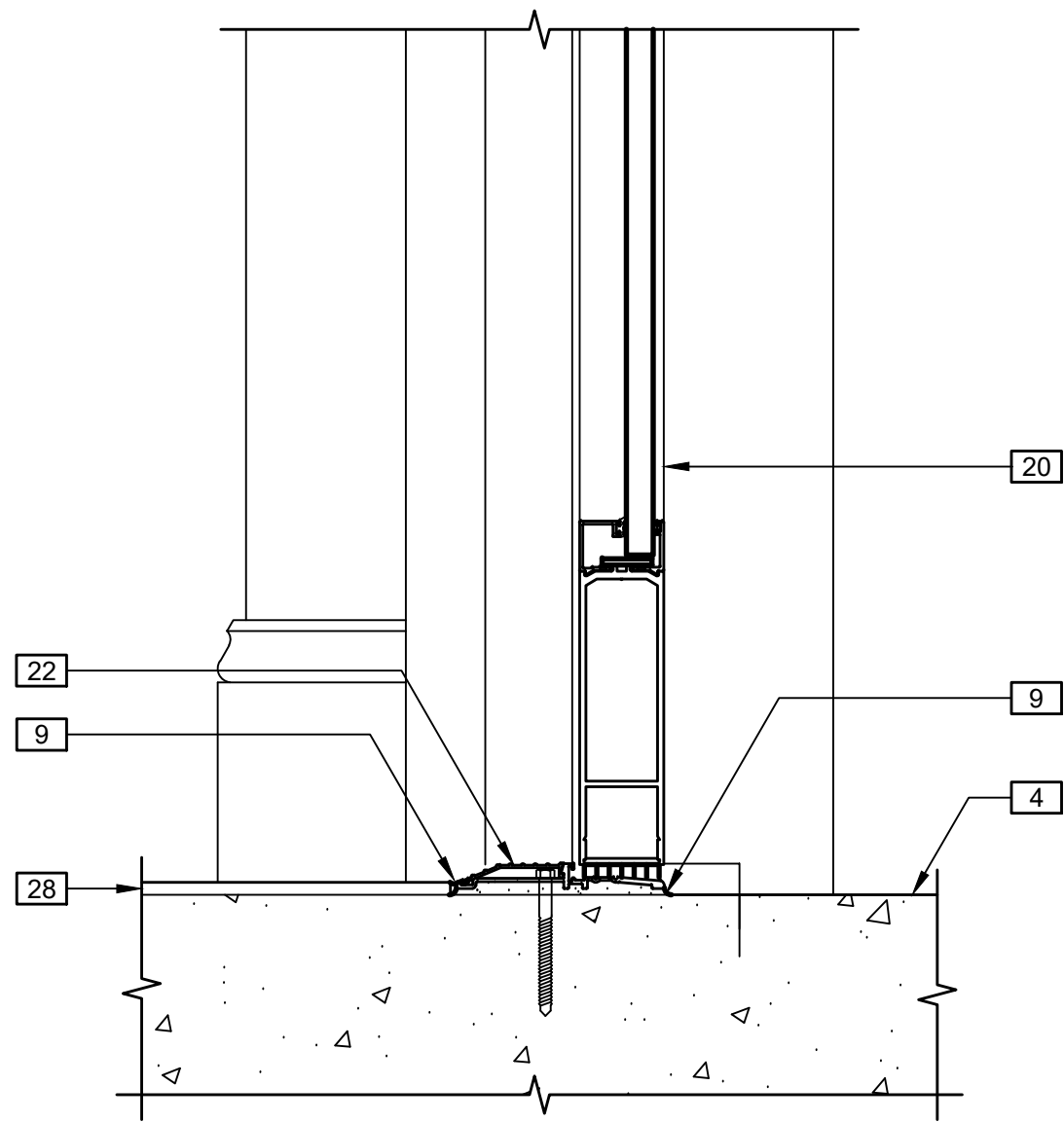
H DOOR - JAMB
SCALE: 3" = 1'-0" STOREFRONT (DOOR 2)



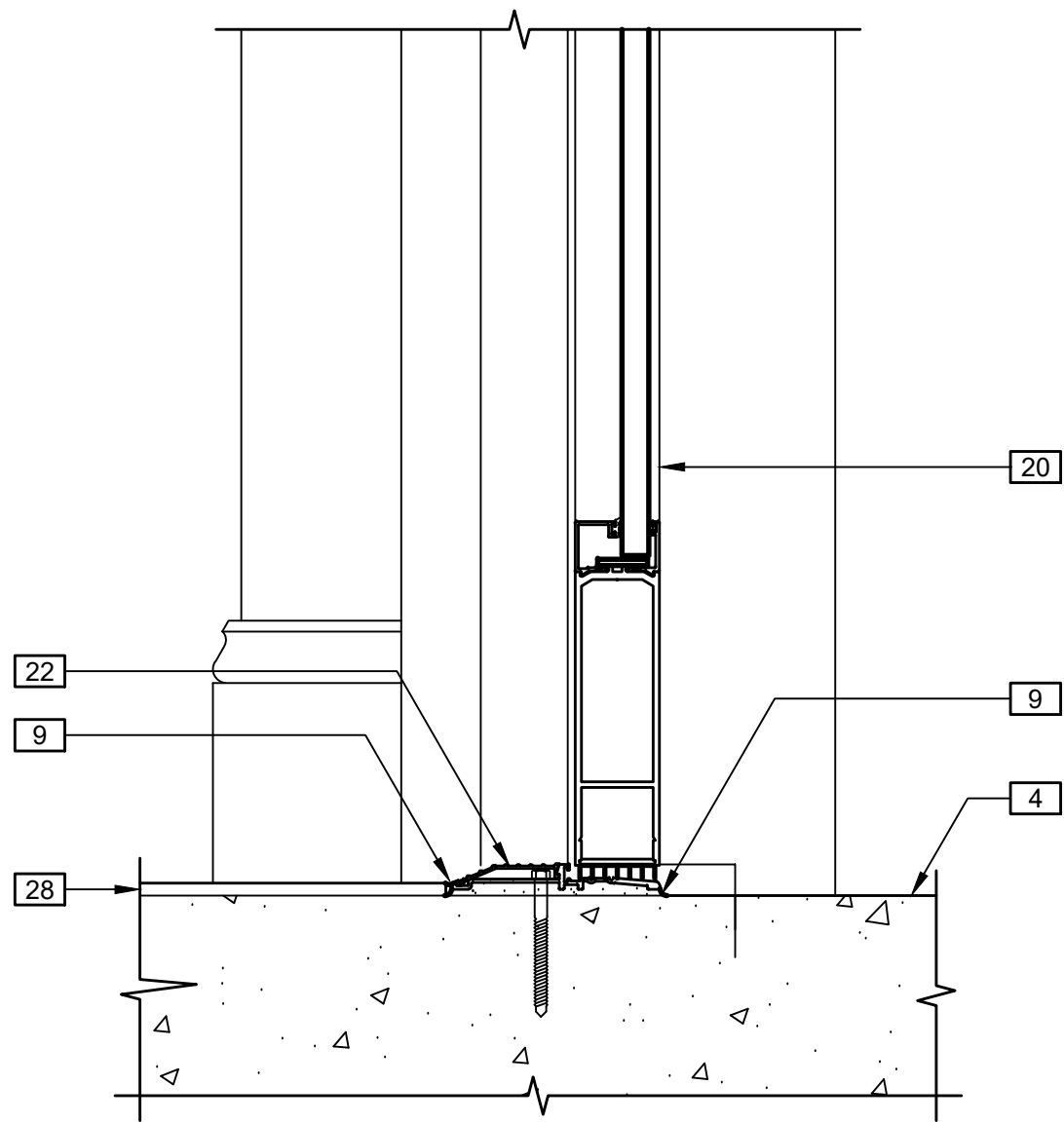
L DOOR - JAMB
SCALE: 3" = 1'-0" HOLLOW METAL (TYPICAL)



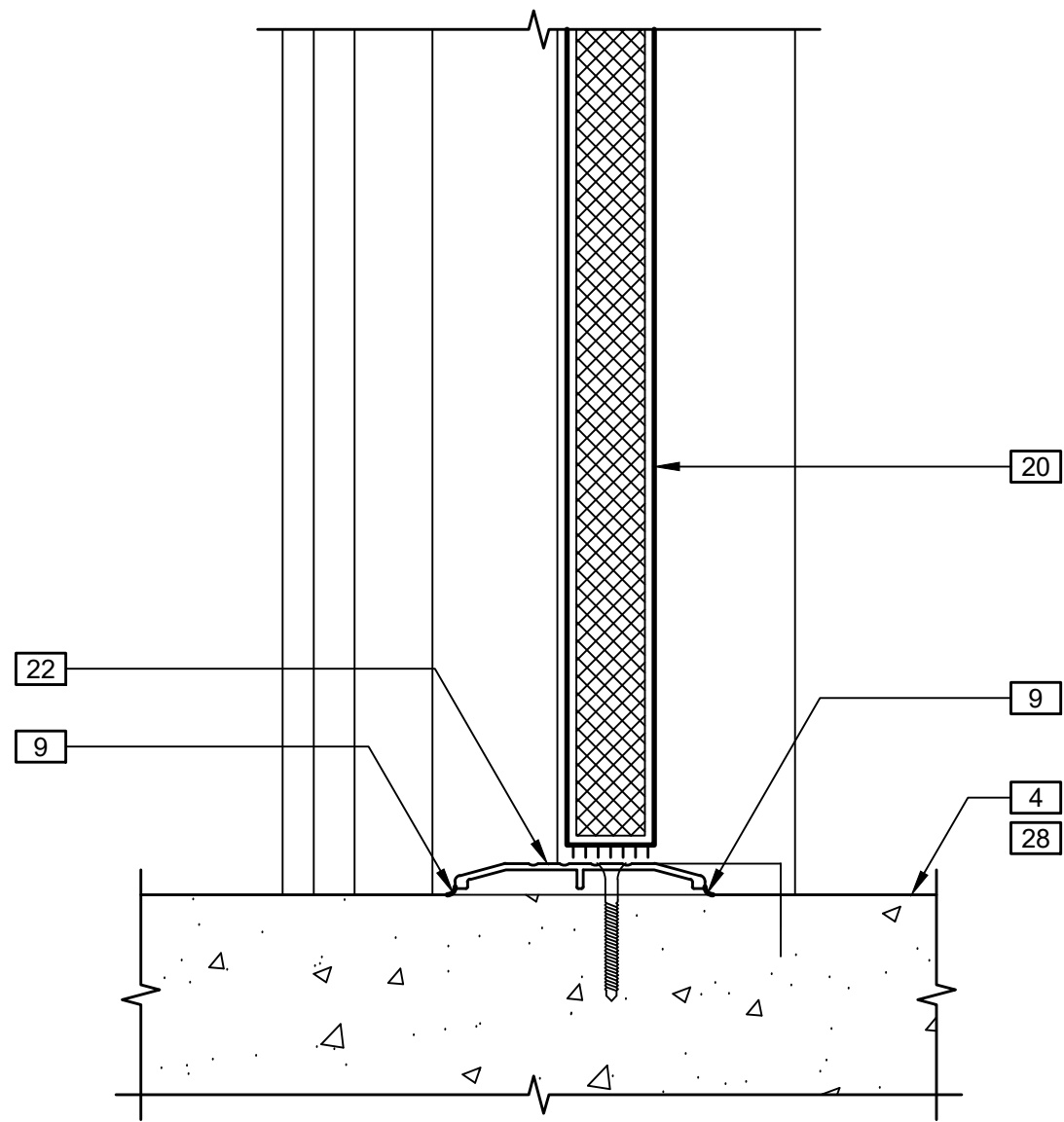
C DOOR - THRESHOLD
SCALE: 3" = 1'-0" OVERHEAD (TYPICAL)



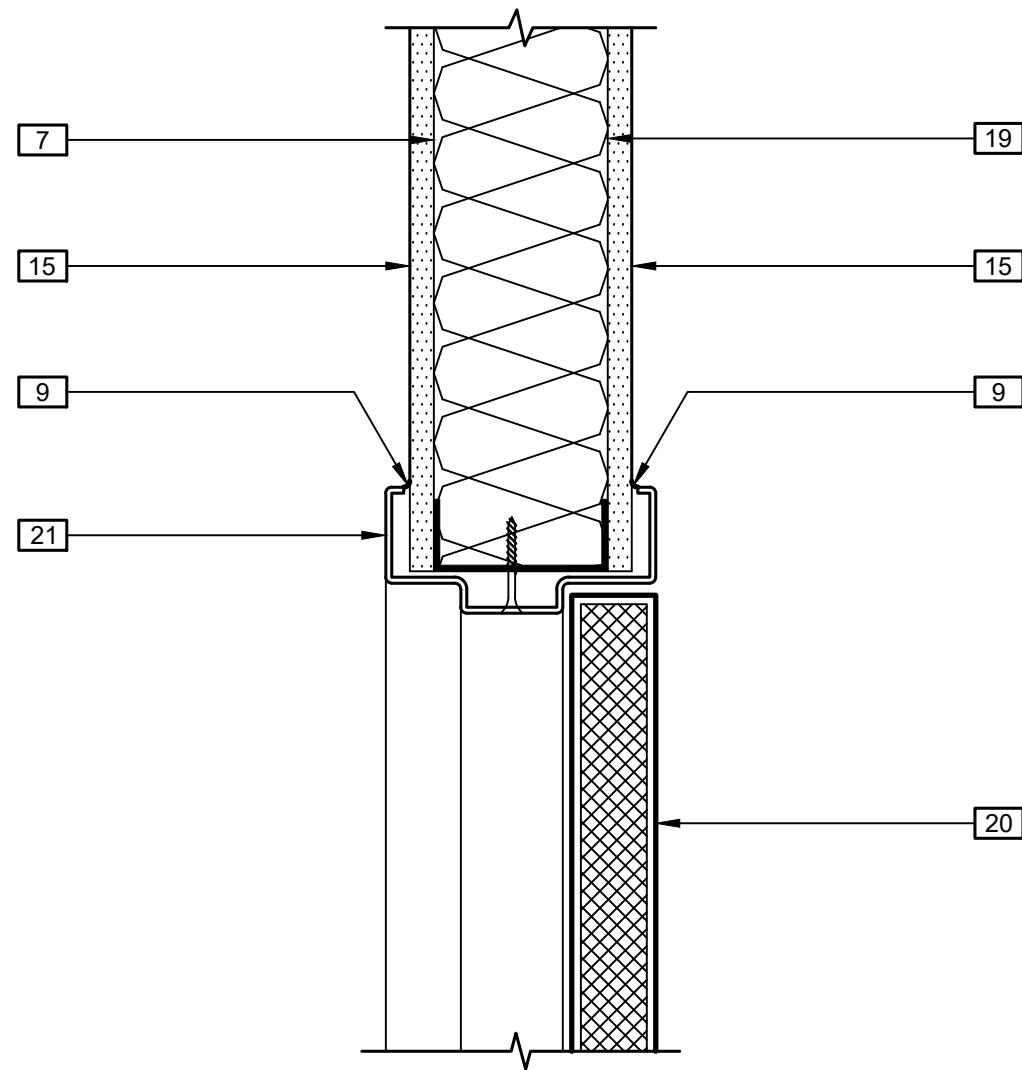
F DOOR - THRESHOLD
SCALE: 3" = 1'-0" STOREFRONT (DOOR 1)



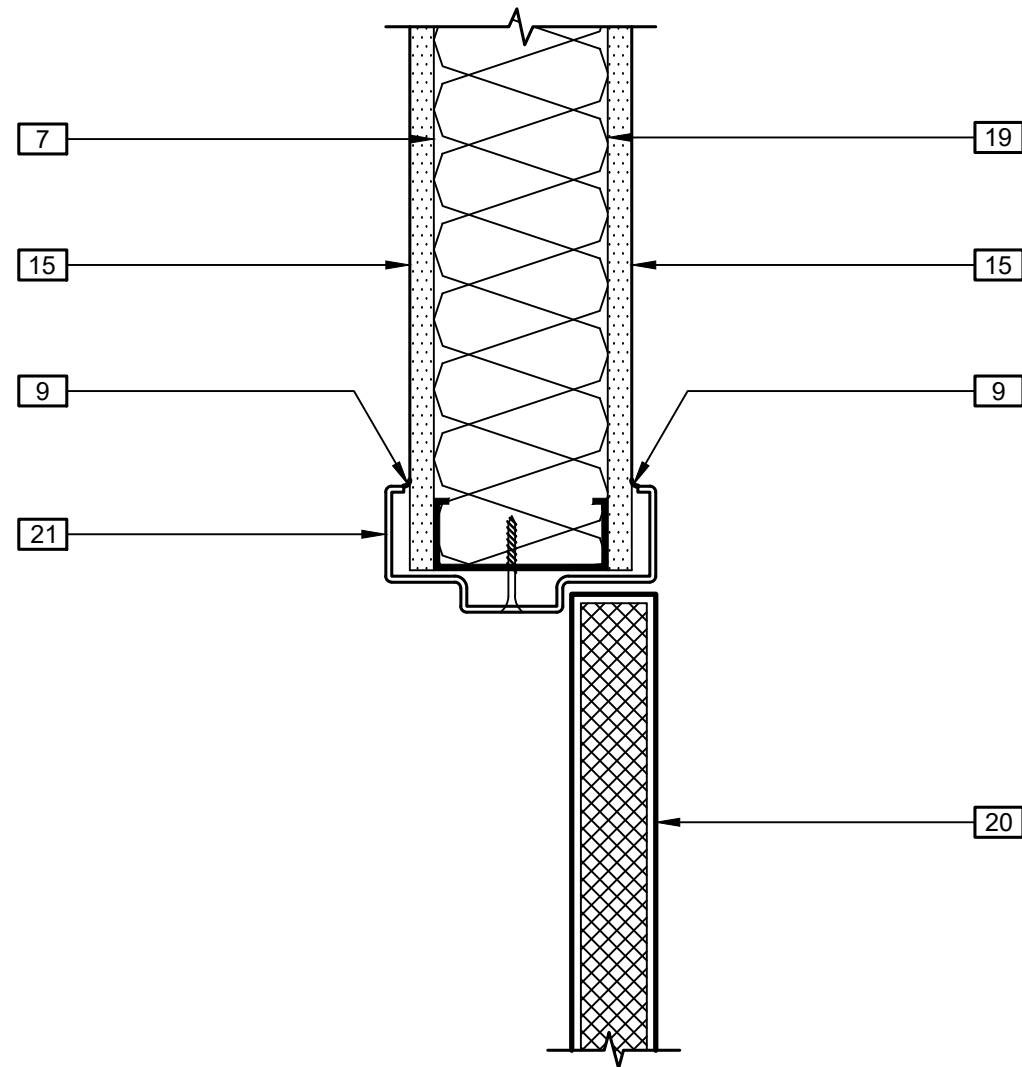
J DOOR - THRESHOLD
SCALE: 3" = 1'-0" STOREFRONT (DOOR 2)



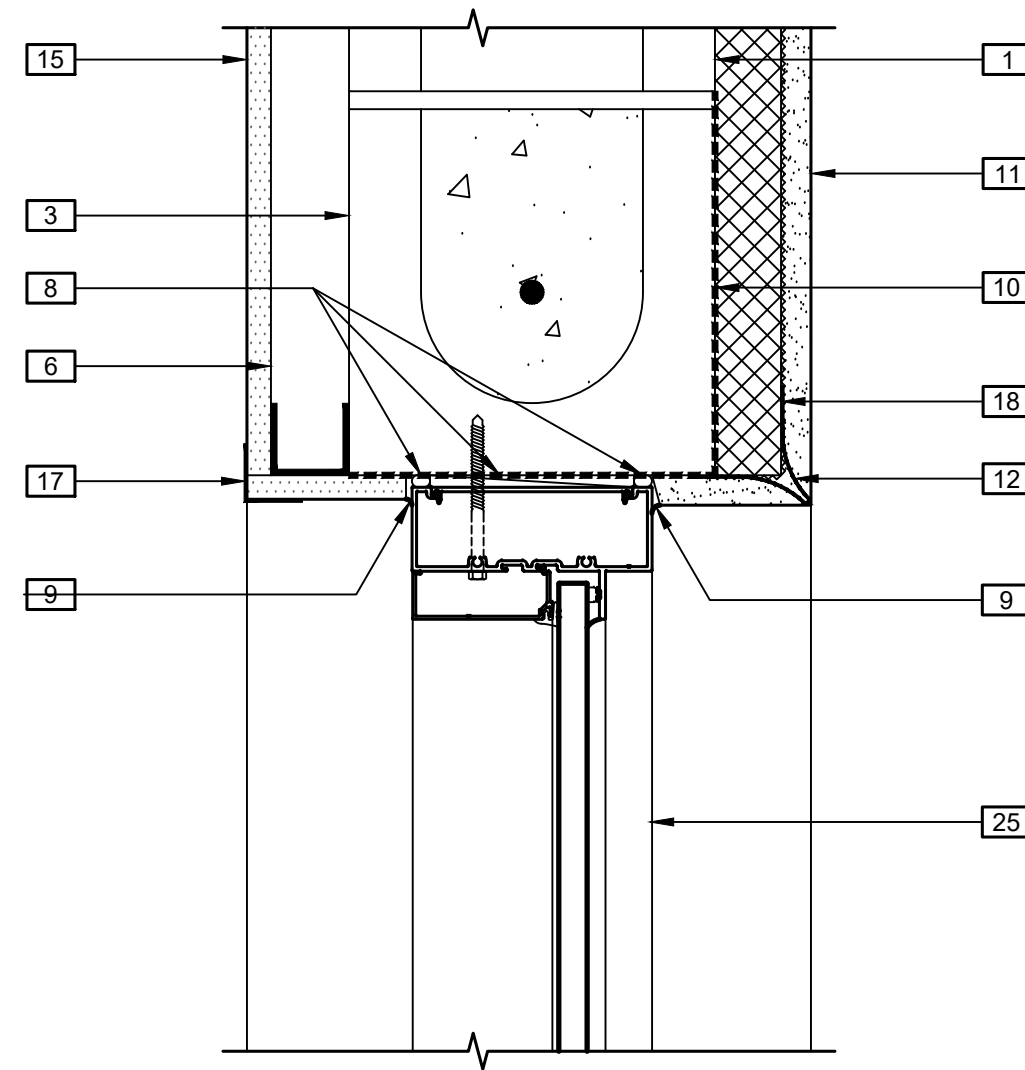
L DOOR - THRESHOLD
SCALE: 3" = 1'-0" HOLLOW METAL (TYPICAL)



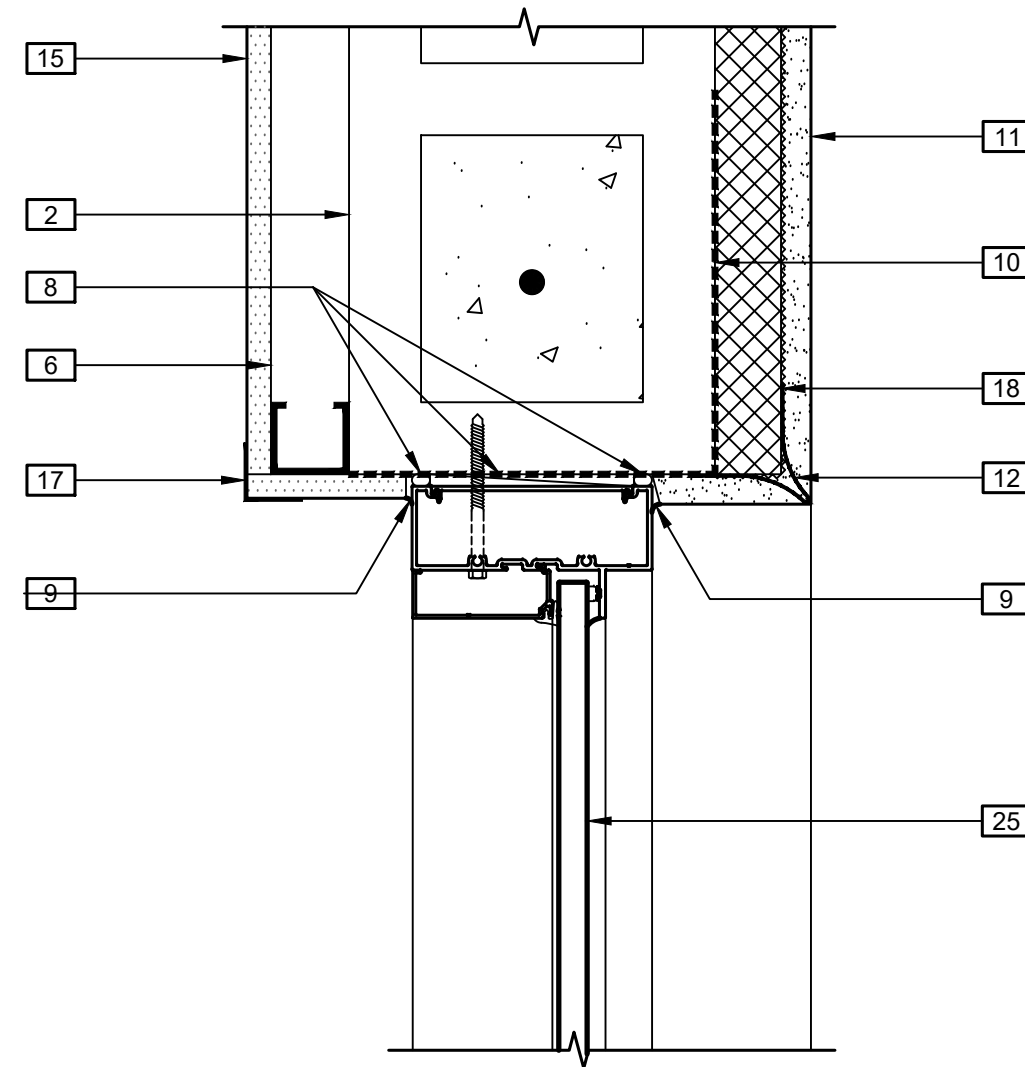
A DOOR - HEAD
SCALE: 3" = 1'-0" HOLLOW METAL - ITERIOR (TYPICAL)



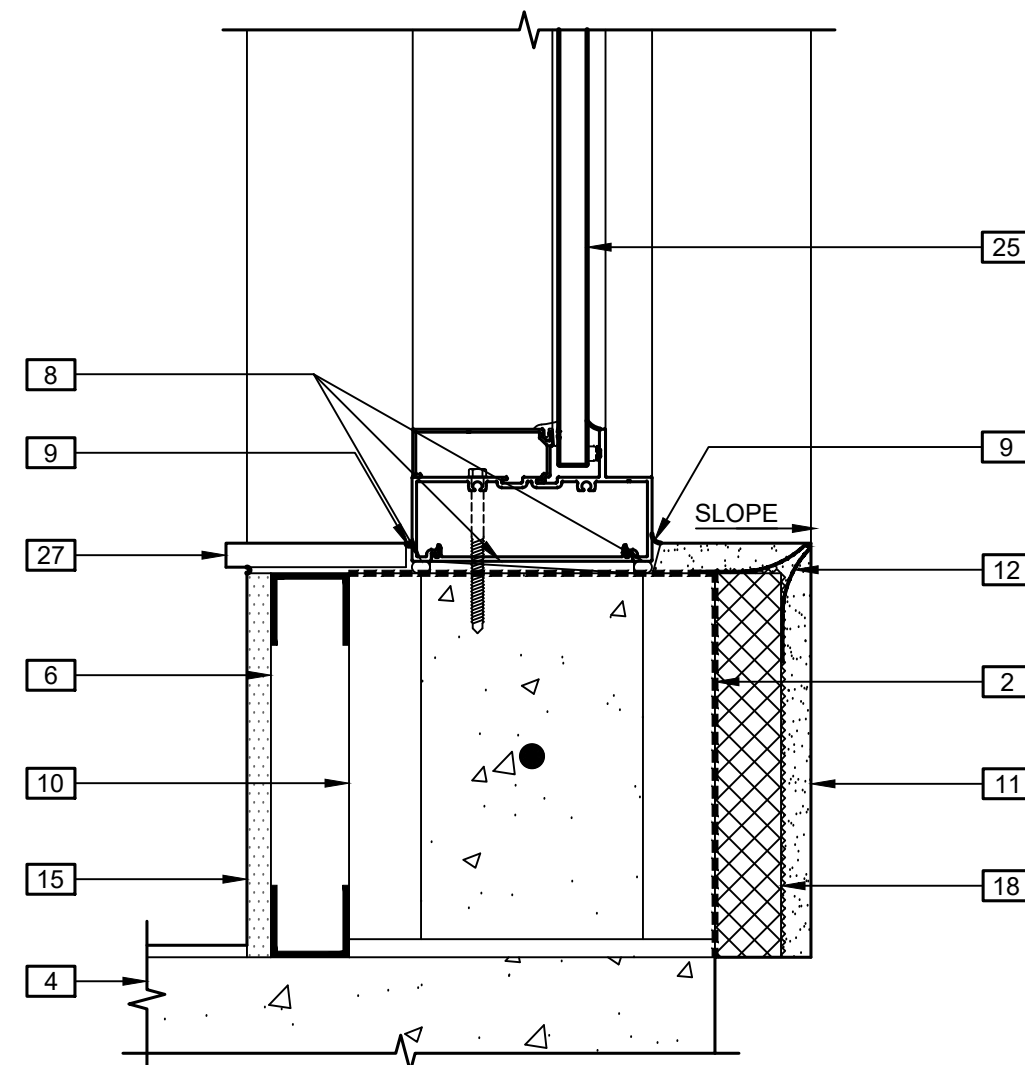
B DOOR - JAMB
SCALE: 3" = 1'-0" HOLLOW METAL - ITERIOR (TYPICAL)



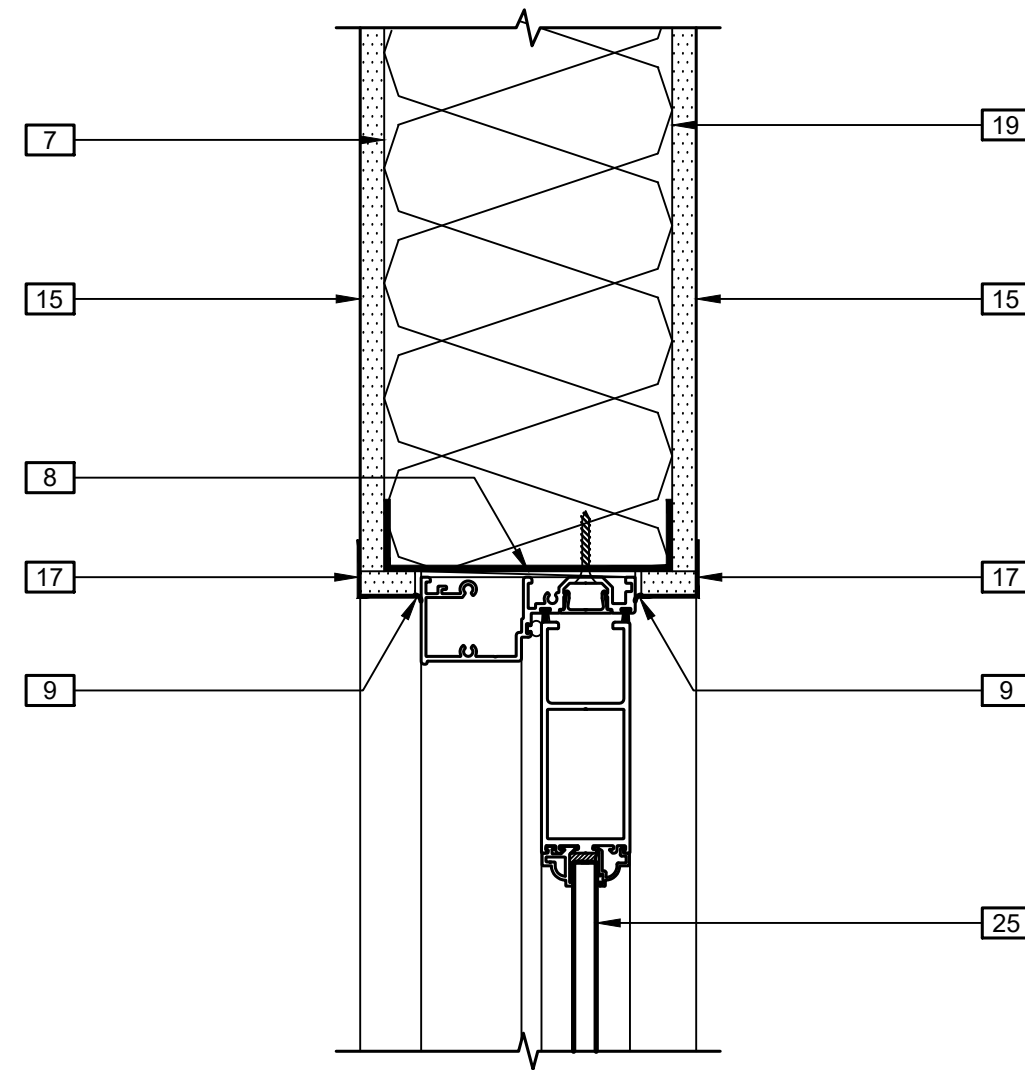
C WINDOW - HEAD
SCALE: 3" = 1'-0" STOREFRONT - EXTERIOR (TYPICAL)



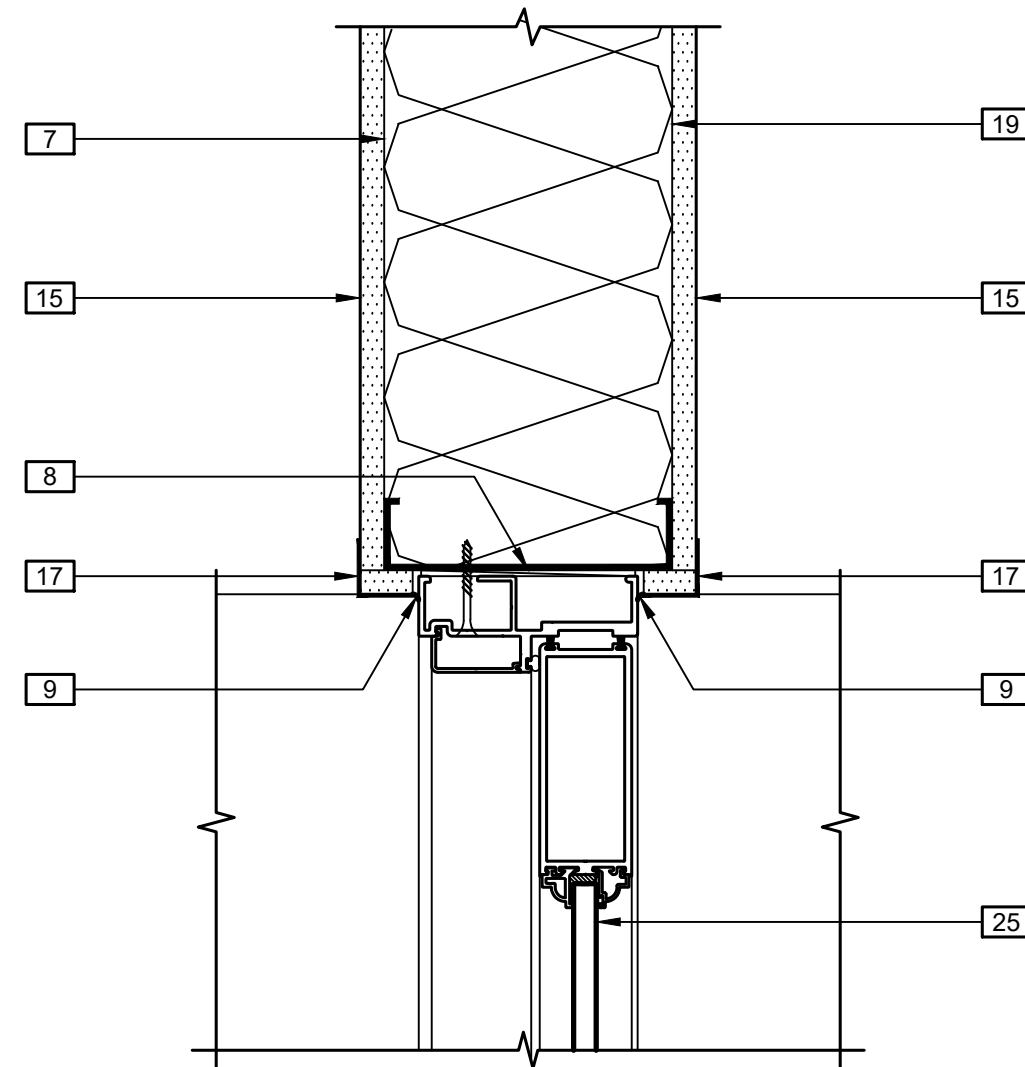
D WINDOW - JAMB
SCALE: 3" = 1'-0" STOREFRONT - EXTERIOR (TYPICAL)



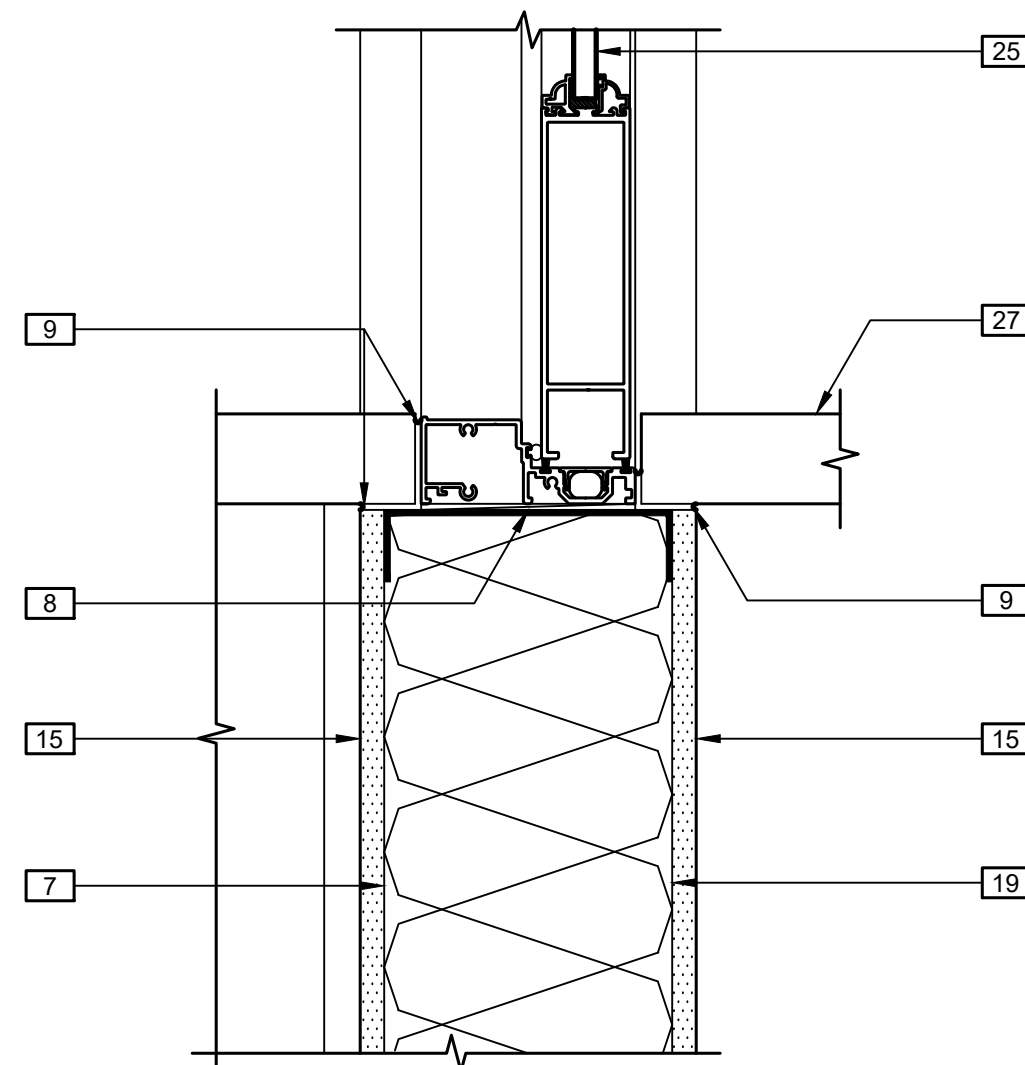
E WINDOW - SILL
SCALE: 3" = 1'-0" STOREFRONT - EXTERIOR (TYPICAL)



F WINDOW - HEAD
SCALE: 3" = 1'-0" STOREFRONT (WINDOW D)



F WINDOW - JAMB
SCALE: 3" = 1'-0" STOREFRONT (WINDOW D)



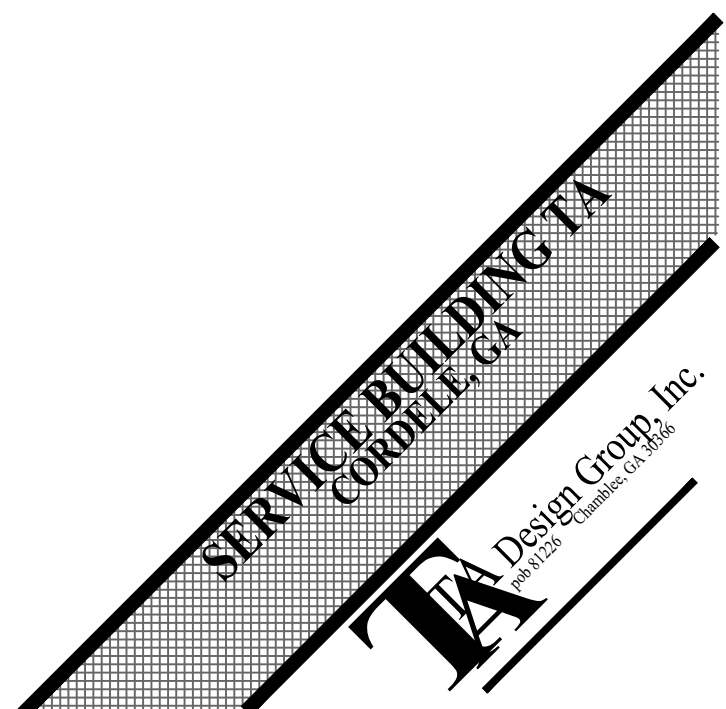
G WINDOW - SILL
SCALE: 3" = 1'-0" STOREFRONT (WINDOW D)

KEY NOTES

- 8" CONCRETE MASONRY UNIT.
- 8" CONCRETE MASONRY UNIT, GROUT FILLED, SEE STRUCTURAL DRAWINGS FOR REINFORCING.
- 8" PRECAST CONCRETE LINTEL, GROUT FILLED, SEE STRUCTURAL DRAWINGS FOR REINFORCING.
- TOP OF CONCRETE SLAB.
- PT 2x, SIZE & ATTACHMENT PER MANUFACTURE RECOMMENDATIONS.
- 1-5/8" WIDE METAL FRAMING CHANNELS AT 16" OC.
- 3-5/8" OR 6" WIDE METAL STUDS AT 16" OC, SEE PLAN FOR LOCATION.
- PLASTIC SHIM & BACKER ROD (BACKER ROD WHERE APPLICABLE).
- CONTINUOUS BEAD OF SEALANT, INSTALL AMOUNT AS REQUIRED TO INSURE ADEQUATE SEALING.
- TREMCO EXCO-AIR 23 TO BE APPLIED 8" WIDE CONTINUOUS BAND AROUND OUTSIDE AND INNER FACE OF EXTERIOR WALL.
- TEXTURED STUCCO FINISH.
- PLASTIC STUCCO CORNER BEAD.
- PLASTIC STUCCO CASING BEAD.
- PLASTIC WEATHER STRIP.
- 5/8" GWB w/ TEXTURE FINISH.
- 5/8" PLYWOOD SHEATHING.
- PAPER-FACED DRYWALL CORNER BEAD.
- RIGID WALL INSULATION.
- FIBERGLASS BATT INSULATION.
- DOOR, REFER TO PLAN AND SCHEDULE FOR LOCATION, TYPE AND SIZE.
- DOOR FRAME OR TRACK, REFER TO SCHEDULE FOR TYPE. INSTALL PER MANUFACTURE RECOMMENDATIONS (CENTER FRAME IN MASONRY OPENING, TYPICAL).
- DOOR THRESHOLD ANCHORED TO CONCRETE SLAB SET IN A BED SEALANT OR NON-SHRINK GROUT. USE STAINLESS STEEL FASTENERS.
- GALVANIZED MASONRY DOOR FRAME TIE IN GROUT FILL.
- VINYL THRESHOLD GASKET.
- WINDOW/FRAME, REFER TO SCHEDULE FOR TYPE. INSTALL PER MANUFACTURE RECOMMENDATIONS (CENTER FRAME IN MASONRY OPENING, TYPICAL).
- RECESS WINDOW FRAME INTO COUNTER.
- SOLID SURFACE SILL/COUNTER SET IN NON-SHRINK GROUT (COORDINATE w/ OWNER FOR TYPE).
- FLOOR FINISH, REFER TO FINISH SCHEDULE.



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D1. DOOR SHALL BE EQUIPPED WITH A DEADBOLT OPERATED FROM THE OUTSIDE BY KEY AND FROM THE INSIDE BY TURN LEVER. EGRESS DOORS SHALL BE READILY OPENABLE FROM THE SIDE FROM WHICH EGRESS IS TO BE MADE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.

- D. DEADBOLT SHALL BE OF HARDENED STEEL OR WITH HARDENED STEEL INSERT AND HAVE A MINIMUM ONE (1") INCH THROW. THE LOCKED POSITION OF THE INSIDE TURN LEVER OR KNOB SHALL BE PERMANENTLY IDENTIFIED. CYLINDER LOCKS PROJECTING BEYOND THE EXTERIOR FACE OF THE DOOR SHALL BE EQUIPPED WITH A FULLY LEVELED, ROTATABLE CYLINDER GUARD OR RING TO PROTECT CYLINDER FROM WRENCHING, CUTTING, DRILLING, PULLING, OR PRYING.
- D3. DOORS SWINGING OUT SHALL BE EQUIPPED TO PREVENT REMOVAL OF HINGE PINS WHEN THE DOOR IS CLOSED.
- D4. STRIKE PLATES EQUIPPED WITH INTEGRAL STRIKE BOXES SHALL BE PROVIDED FOR BOTH DEADBOLT AND LATCH.
- D5. STEEL DOORS AND FRAMES MUST BE SHOP PRIMED, ABRASIONS AND RUST SHOULD BE OI FINISHED AND RE-PRIMED PRIOR TO INSULATION.
- D6. OMIT.
- D7. STEEL FRAMES SHALL BE FACTORY REINFORCED WITH STRIPES WHICH AT LEAST FOURTEEN GAUGE STEEL REINFORCING SECURELY ATTACHED AND PROTECTED BY PLASTER (MORTAR) GUARDS.
- D8. EXTERIOR DOORS TO HAVE THRESHOLD SEaled WITH SCOTCH WALK AT INSIDE TO PREVENT WATER ENTERING.
- D9. ALL EXTERIOR DOORS TO HAVE EXTERIOR SWEEPS TO PREVENT WATER ENTERING BETWEEN THRESHOLD AND BOTTOM OF DOOR.
- D10. PRIOR TO SUPPLIER ORDERING THESE FRAMES, CONSULT WITH GENERAL CONTRACTOR ON SIZE OF FRAMES AND WALL THICKNESS.
- D11. PROVIDE WOOD BLOCKING FOR ALL WALL MOUNTED DOOR STOPS.
- D12. PROVIDE 1"-0" SOLID BLOCKING EACH SIDE OF STRIKE PLATE.
- D13. ALL EXTERIOR HINGES TO HAVE NON RISING PINS.
- D14. ACCESSIBLE DOORS
- A. THRESHOLDS AT DOORWAYS SHALL NOT EXCEED 1/2". RAISED THRESHOLD NOT EXCEED 1/2". RAISED THRESHOLD SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.
- B. HANDLES, PULLS LATCHES, LOCKS AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, OR TWISTING OF THE WRIST TO OPERATE. LEVER- OPERATED MECHANISMS, PUSH-TYPE MECHANISMS, AND U-SHAPED HANDLES ARE ACCEPTABLE DESIGNS.
- C. HARDWARE FOR REQUIRED ACCESSIBLE C DOOR PASSAGE SHALL BE MOUNTED NO HIGHER THAN 48" ABOVE FINISH FLOOR. THIS INCLUDES SLIDE LOCK AND THUMB TURN LOCKS ON GLASS DOORS.
- D. DOORS w/ CLOSERS SHALL HAVE A SWEEPS D ERIOD SO THAT FROM AN OPEN POSITION OF 70 DEGREES, THE WALL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3" FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR.
- E. DOOR OPERATING FORCE SHALL BE:
E FIRE DOORS = MINIMUM ALLOWABLE PER CODE
EXTERIOR HINGED DOORS = 8.5 LBS.
INTERIOR HINGED DOORS = 5.0 LBS
SLIDING DOOR = 5.0 LBS
- D15. PADDLE LOCK RELEASE MOUNTED ON THE EGRESS SIDE, MOUNTING HEIGHT LISTED ABOVE ALONG W/ PRESSURE. MOUNTED AT EXIT EGRESS DOOR SIGNAGE ALL DOORS AT STAIR, EXIT PASSAGEWAYS AND EXITING DIRECTLY OUTSIDE SHALL HAVE "Tactile" EXIST SIGNAGE COMPLYING WITH ADAAG 4.30. SIGNS SHALL HAVE BRAILLE AND RAISED CHARACTERS TO IDENTIFY DOORS AS AN EXIT. SIGN SHALL BE MOUNTED ON WALL AT LATCH SIDE OF DOOR AT 60" TO CENTERLINE ABOVE FLOOR. IF NO SIDE WALL IS AVAILABLE, SIGN SHALL BE MOUNTED ON THE NEAREST ADJACENT WALL TO THE DOOR. SIGN SHALL BE MOUNTED SUCH THAT A PERSON CAN GET WITHIN 3" OF SIGN WITHOUT OBSTRUCTION - INCLUDING THE SWING OF THE DOOR.

MARK ◇	SIZE		TYPE	ELEV	FRAME	FRAME COLOR	GLASS COLOR	NOA / FL PRODUCT APPROVAL #	DETAIL			NOTES
	WIDTH	HEIGHT							HEAD	JAMB	SILL	
A	40"	78"	SF	1	ALUM	BLACK	CLEAR	19-01224.06	A/A-504	B/A-504	F/A-504	-
B	54"	78"	SF	1	ALUM	BLACK	CLEAR	19-01224.06	A/A-504	B/A-504	C/A-504 SIM	W1
C	14"	78"	SF	2	ALUM	BLACK	CLEAR	19-01224.06	A/A-504	B/A-504	C/A-504	-
D	48"	54"	SLIDING	3	ALUM	BLACK	CLEAR	19-01224.06	A/A-504	B/A-504	C/A-504	-

EXTERIOR WINDOWS TO BE TUBLITE T14000 THERMAL BREAK 2"4X4-1/2" w/ 1" INSULATION.
GLASS ALUMINUM TUBE SECTIONS TO BE BLACK ANODIZED ALL GLASS TO BE LOW E 1"
INSULATED UNITS.

* SHOWS THE LOCATIONS OF TEMPERED GLASS.

MARK ⑦	DOOR			MATL	TYPE	ELEV	FRAME																	HARDWARE					REMARKS
	SIZE						MATL	2 PAIR BUTTS EA LEAF	1-1/2 PAIR BUTTS EA LEAF	PIVOT	LOCKSET	PASSAGE	PRIVACY	CYLINDER	STORROOM	PUSH-PULL	DOOR STOP	KICKPLATE ON EXT DOOR INSIDE ONLY	THRESHOLD	WEATHERSTRIPPING	CLOSER (EACH LEAF)	CLOSER HOLD OPEN	CLOSER FIRE LINK	FLUSH BOLT INACTIVE LEAF	AUTO EXIT ALARM (INCL IN EXIT DEV)	SIGN	DEADLATCH LEVER		
	WIDTH	HEIGHT	THK																										
1	3'-0"	7'-0"	1-3/4"	ALUM	SF	C	ALUM	●																		ADAMS RITE 4510 DEADLATCH w/ 4024, 4025, OR 4026 CYLINDER AND 4500 LEVER			
2	3'-0"	7'-0"	1-3/4"	ALUM	SF	C	ALUM																						
3	3'-0"	7'-0"	1-3/4"	STEEL	SWING	E	STEEL	●				●				●	●								●	UNDERCUT 1" / SIGN FOR RESTROOM			
4	3'-0"	7'-0"	1-3/4"	STEEL	SWING	E	STEEL	●					●		●	●	●	●	●										
5	3'-0"	7'-0"	1-3/4"	STL / INS	SWING	E	STEEL	●			●				●	●													
6	4'-0"	7'-0"	1-3/4"	STL / INS	SWING	E	STEEL	●						●		●	●	●	●					●		DETEX ADVANTEX 10-02-CN-630 LD 630-99-EAXKS-C65-36-84-EC1			
7	3'-0"	7'-0"	1-3/4"	STL / INS	SWING	E	STEEL	●			●				●	●	●	●	●										
8	3'-0"	7'-0"	1-3/4"	STEEL	SWING	E	STEEL	●				●			●	●		●						●		UNDERCUT 1" / SIGN FOR EMPLOYEE RESTROOM			
9	3'-0"	7'-0"	1-3/4"	STEEL	SWING	E	STEEL	●				●			●	●								●		UNDERCUT 1" / SIGN FOR CHANGING ROOM			
10	3'-0"	7'-0"	1-3/4"	STL / INS	SWING	E	STEEL	●					●		●	●	●	●					●	●		DETEX ADVANTEX 10-02-CN-630 LD 630-99-EAXKS-C65-36-84-EC1			
11	12'-0"	14'-0"	2"	STEEL	OHD	B	STEEL																			PER MANUFACTURE RECOMMENDATIONS			
12	3'-0"	7'-0"	1-3/4"	STL / INS	SWING	E	STEEL	●	●					●		●	●	●	●	●									
13	3'-0"	7'-0"	1-3/4"	STL / INS	SWING	E	STEEL	●	●		●					●	●	●	●	●				●		SIGN FOR EMPLOYEE LOCKER			
14	3'-0"	7'-0"	1-3/4"	STL / INS	SWING	D	STEEL	●			●					●	●	●	●							HALF GLASS			
15	3'-0"	7'-0"	1-3/4"	STL / INS	SWING	E	STEEL	●	●			●				●	●	●	●										
16	14'-0"	16'-0"	2"	ALUM / INS	OHD	A	STEEL																			PER MANUFACTURE RECOMMENDATIONS			
17	14'-0"	16'-0"	2"	ALUM / INS	OHD	A	STEEL																			PER MANUFACTURE RECOMMENDATIONS			
18	14'-0"	16'-0"	2"	ALUM / INS	OHD	A	STEEL																			PER MANUFACTURE RECOMMENDATIONS			
19	14'-0"	16'-0"	2"	ALUM / INS	OHD	A	STEEL																			PER MANUFACTURE RECOMMENDATIONS			
20	3'-0"	7'-0"	1-3/4"	STL /																									

C.H.I. OVERHEAD DOORS MODEL 3295 ALUMINUM FULL-VISION
COMMERCIAL DOOR, BLACK, BLACK FRAME

SEE SCHEDULE

SEE SCHEDULE

OVERHEAD

A

C.H.I. OVERHEAD DOORS MODEL 3285 MICRO GROOVED
SANDWICH DOOR, R-10.29, BLACK, BLACK FRAME

SEE SCHEDULE

SEE SCHEDULE

OVERHEAD

B

SEE SCHEDULE

SEE SCHD

STOREFRONT

C

SEE SCHEDULE

SEE SCHD

FLUSH PANEL

D

SEE SCHEDULE

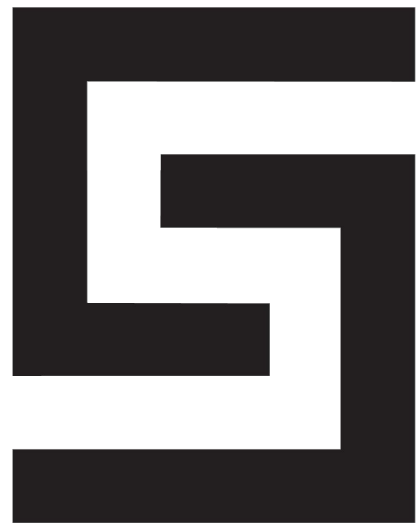
SEE SCHD

FLUSH PANEL

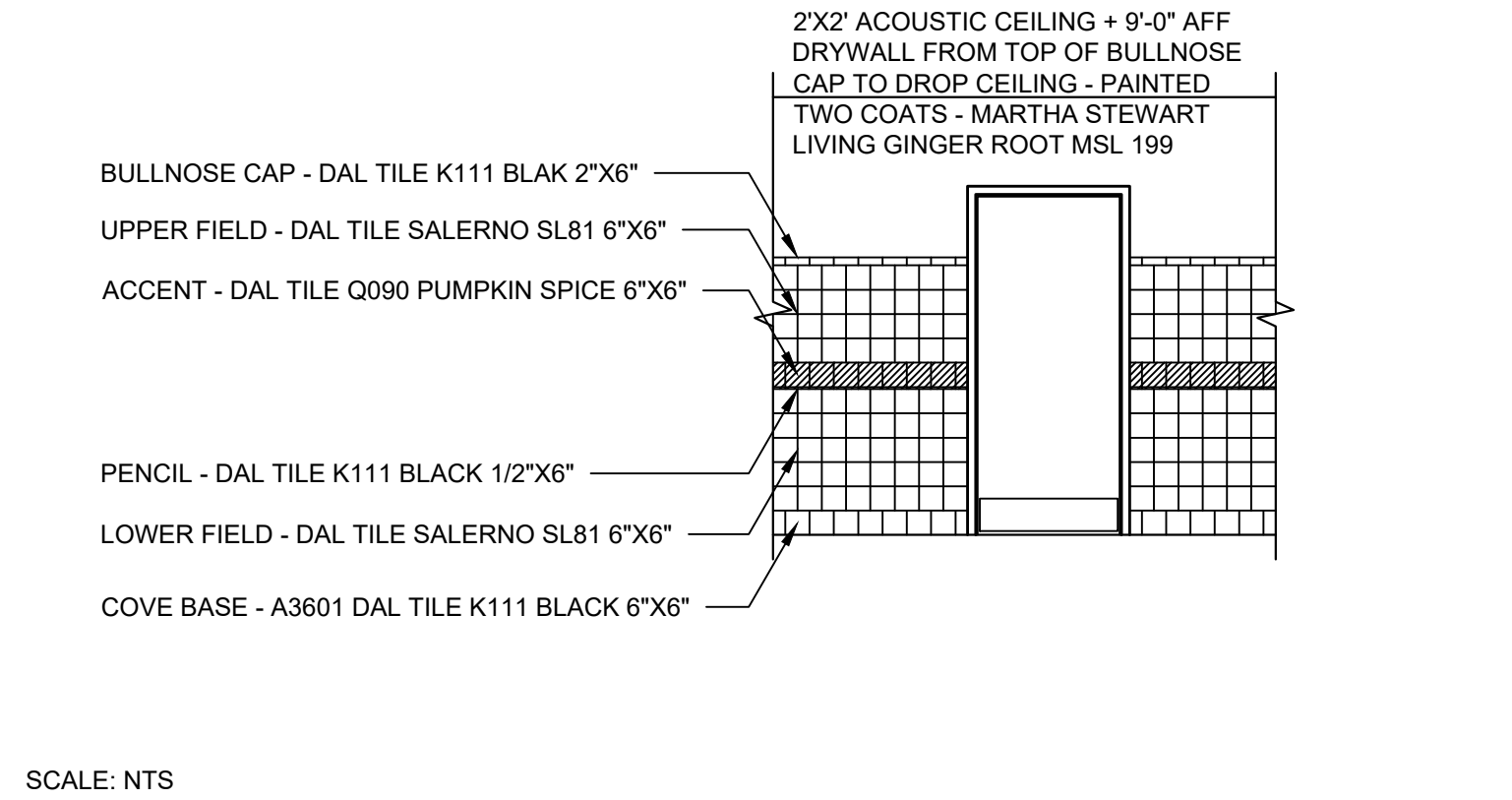
E

C.H.I. OVERHEAD DOORS MODEL 3295 ALUMINUM FULL-VISION
COMMERCIAL DOOR, BLACK, BLACK FRAME

C.H.I. OVERHEAD DOORS MODEL 3285 MICRO GROOVED SANDWICH DOOR, R-10.29, BLACK, BLACK FRAME



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MAX HEIGHT					MAX HEIGHT				
3-5/8"	FLANGE	@ 12" OC	@ 16" OC	@ 24" OC	6"	FLANGE	@ 12" OC	@ 16" OC	@ 24" OC
25 GA	1-1/4"	17'-1"	15'-6"	13'-7"	25 GA	1-1/4"	24'-2"	21'-11"	19'-2"
20 GA	1-1/4"	20'-5"	18'-6"	16'-2"	20 GA	1-1/4"	29'-1"	26'-5"	23'-1"
20 GA	1-3/8"	18'-5"	16'-9"	14'-8"	20 GA	1-3/8"	27'-3"	24'-9"	21'-8"
18 GA	1-3/8"	20'-1"	18'-3"	15'-11"	18 GA	1-3/8"	29'-11"	27'-2"	23'-9"
16 GA	1-3/8"	21'-6"	19'-6"	17'-1"	16 GA	1-3/8"	32'-1"	29'-2"	25'-6"
20 GA	1-5/8"	19'-4"	17'-7"	15'-4"	20 GA	1-5/8"	28'-8"	26'-0"	22'-9"
18 GA	1-5/8"	21'-0"	19'-1"	16'-8"	18 GA	1-5/8"	31'-2"	28'-4"	24'-9"
16 GA	1-5/8"	22'-6"	20'-6"	17'-11"	16 GA	1-5/8"	33'-6"	30'-5"	26'-7"
14 GA	1-5/8"	24'-1"	21'-11"	19'-2"	14 GA	1-5/8"	35'-11"	32'-7"	28'-6"

NOTE: TOP OF TRACK IS STRUCTURAL AND NEEDS TO BE CONTINUOUS AND THE SAME GA AS THE STUDS. THE ABOVE HEIGHTS ARE BASED ON CLARK-DIETRICH PROSTUD (DRYWALL STUD) OR CLARK-DIETRICH STRUCTURAL STUD WITH 5/8" DRYWALL EACH SIDE AND LATERAL LOAD OF 5 PSF AND DEFLECTION OF L/240 VERIFY CRITERIA OF ANY DIFFERENT MANUFACTURER USED.

ALL WALLS TO ROOF OR FLOOR DECK TO HAVE A DEFLECTION TRACK AT THE TOP.

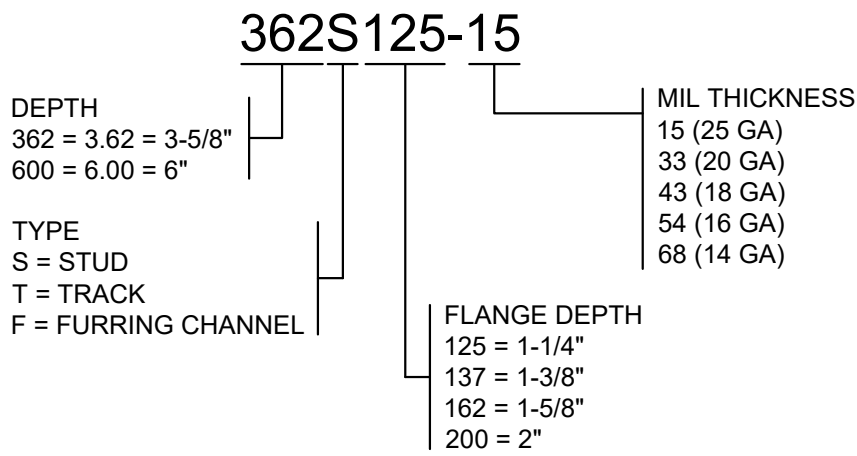
STUD HEIGHT

SCALE: NTS

ROOM FINISH SCHEDULE

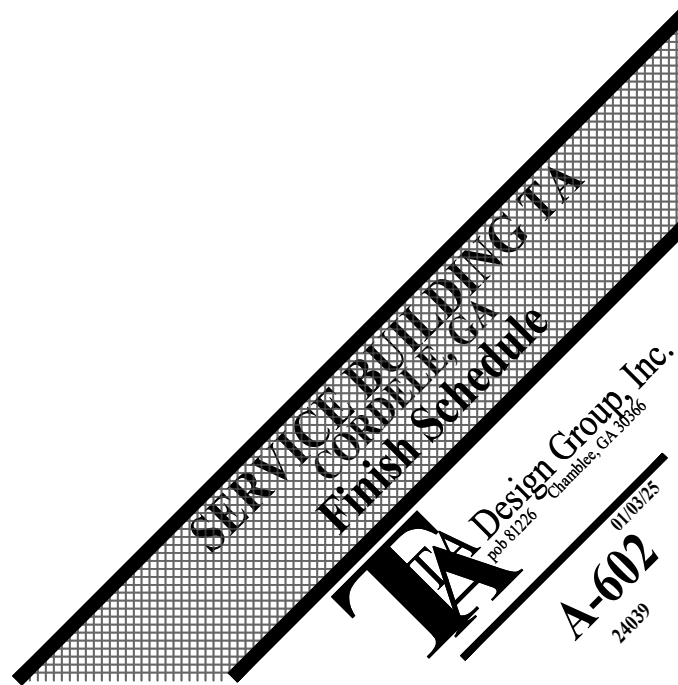
NO	ROOM NAME	FLOOR	BASE	WALLS				CEILING	NOTES
				NORTH	SOUTH	EAST	WEST		
101	PATIO	F-6	B-3	W-5	W-6	W-5	W-6	C-2	-
102	VESTIBULE	F-2	B-2	W-1	W-1	W-1	W-1	C-1	F1 F3
103	SALES AREA	F-2	B-2	W-1	W-1	W-1	W-1	C-1	F1 F3 F7
103A	RESTROOM	F-2	B-1	W-3	W-3	W-3	W-3	C-1	F1 F3
103B	TSA WORK AREA	F-2	B-2	W-1	W-1	W-1	W-1	C-1	F1 F3 F7
104	OFFICE	F-2	B-2	W-1	W-1	W-1	W-1	C-1	F1 F3
105	INVENTORY	F-5	B-2	W-1/W-6	W-1	W-1	W-1	C-3	F2 F5
106	SPRINKLER	F-5	B-2	W-1	W-1	W-1	W-1	C-3	F2
107	IT	F-5	B-2	W-1	W-1	W-1	W-1	C-1	F2 F3
108	EMPLOYEE AREA	F-2	B-2	W-1	W-1	W-1	W-1	C-1	F2 F3 F6
108A	EMPLOYEE RESTROOM	F-2	B-2	W-1	W-1	W-1	W-1	C-1	F2 F3 F6
108B	CHANGING	F-2	B-2	W-1	W-1	W-1	W-1	C-1	F2 F3 F6
109	SHOP STORAGE	F-2	B-2	W-2	W-1	W-2	W-2	C-3	F2 F5 F11
110	SHOP BAYS	F-2	B-3/B-4	W-2	W-2	W-1	W-1	C-3	F2 F4 F8
111	TIRE STORAGE	F-2	B-2	W-2	W-1	W-1	W-2	C-3	F2
112	MECHANICAL / ELECTRICAL	F-2	B-2	W-1	W-1	W-1	W-2	C-3	F2
113	MECHANICAL	F-2	B-2	W-2	W-1	W-1	W-1/W-2	C-3	F2

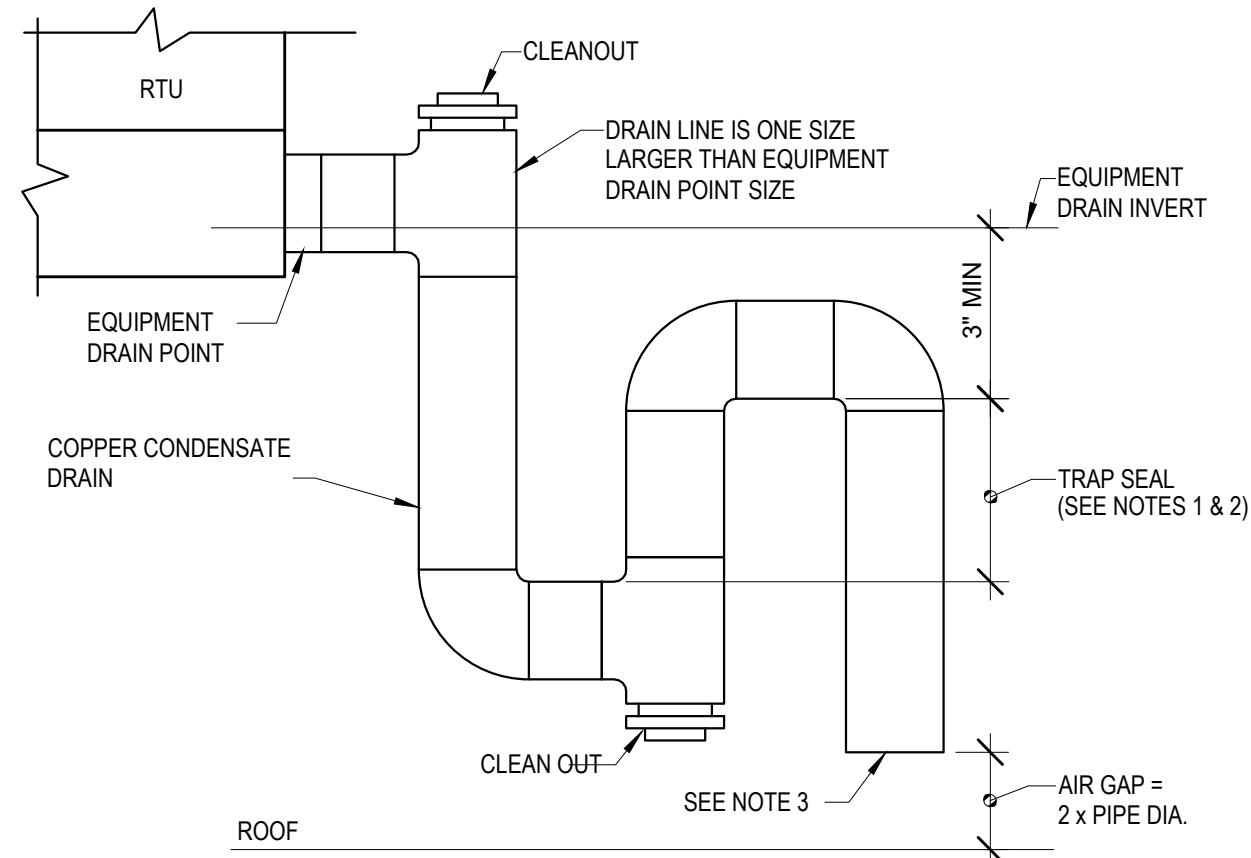
FLOOR FINISHES		BASE FINISHES		WALL FINISHES		CEILING FINISHES	
F-1	UNTREATED CONC SLAB	B-1	6" COVED PORCELAIN TILE	W-1	PAINTED DRYWALL	C-1	24" x 24" CEILING TILE
F-2	AMERIPOLISH DYED	B-2	COVE VINYL BASE	W-2	PAINTED CMU AND PLYWOOD	C-2	PAINTED DRYWALL
F-3	MULTI-PART EPOXY FINISH	B-3	NO BASE NOTED	W-3	TILE AND DRYWALL (F9)	C-3	EXPOSED STRUCTURE
F-4	PORCELAIN / CERAMIC TILE	B-4	WHERE PLYWOOD OVER DRYWALL COVE BASE OVER DRYWALL. PLYWOOD ON TOP OF BASE	W-4	DRYWALL AND PLYWOOD (F10)	C-4	-
F-5	AMERIPOLISH			W-5	METAL BLDG / SPLITFACE	C-5	-
F-6	CONCRETE SEALER			W-6	OPEN		-



METAL STUD DESIGNATIONS

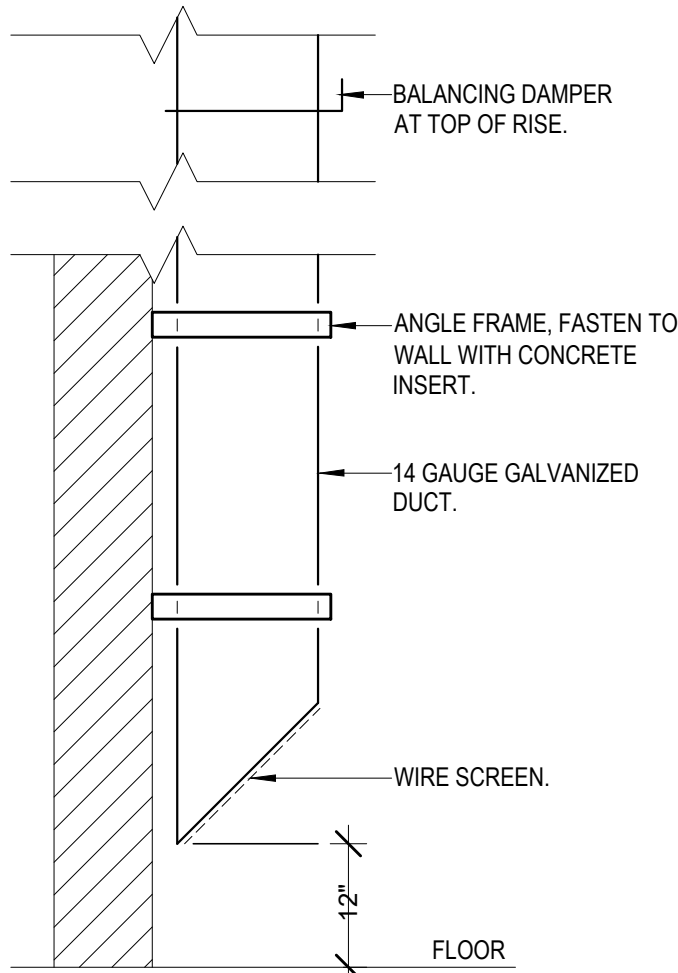
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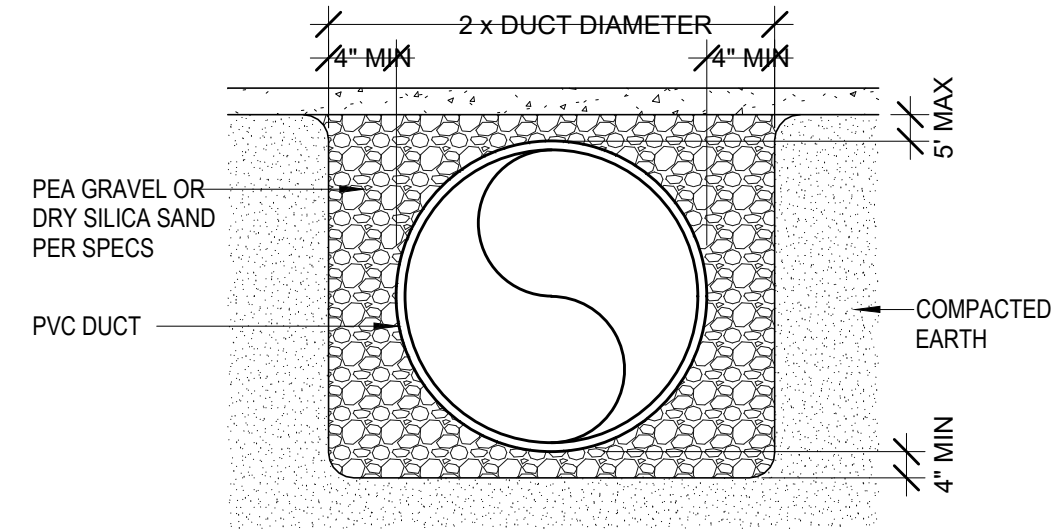


- NOTES:
1. FOR DRAINS ON SUCTION SIDE OF FAN USE 3" MIN. TRAP SEAL OR MAX. FAN SUCTION PRESSURE PLUS 1" WHICHEVER IS GREATER.
 2. FOR DRAINS ON DISCHARGE SIDE OF FAN USE 6" MIN. TRAP SEAL OR MAX. FAN DISCHARGE PRESSURE PLUS 1" WHICHEVER IS GREATER.
 3. DISCHARGE ONTO SPLASH BLOCK ON ROOF.

CONDENSATE DRAIN ROOF/FLOOR DETAIL
12" = 1'-0"

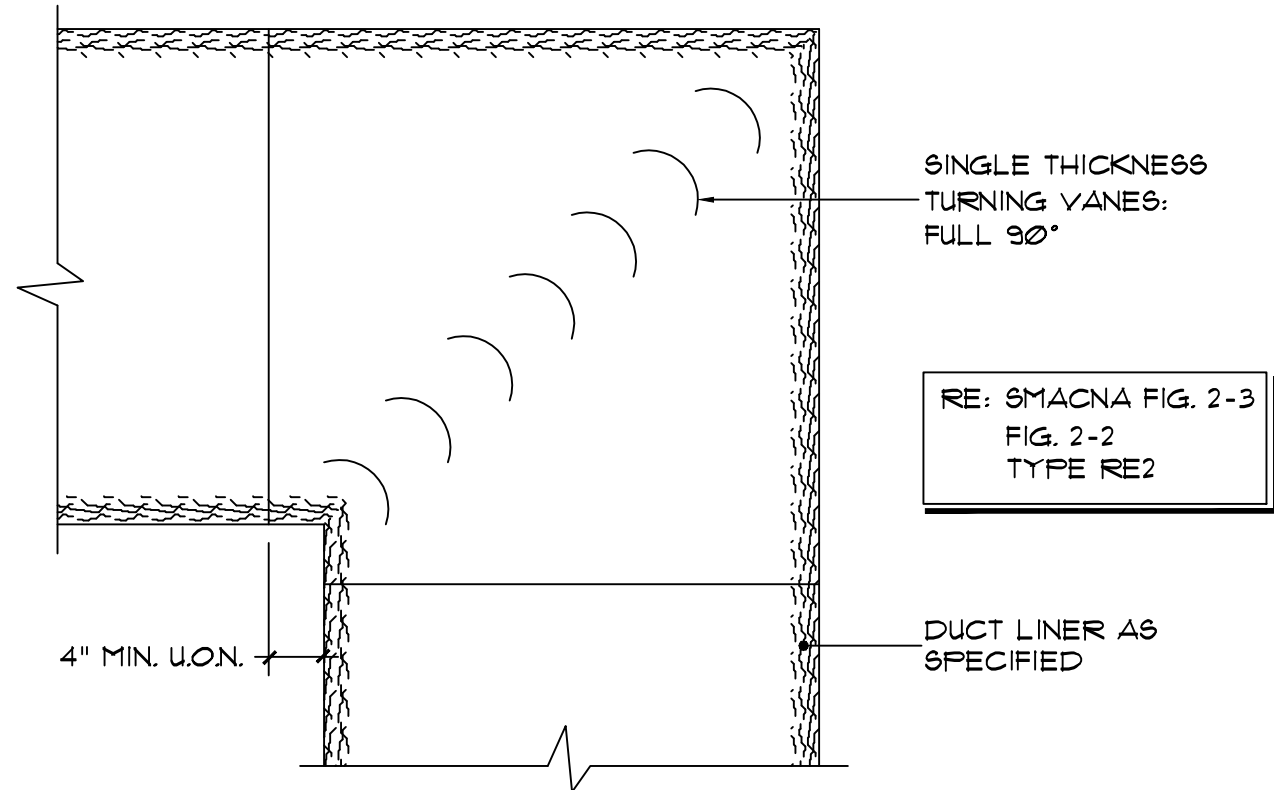


SERVICE BAY EXHAUST DUCT DROP DETAIL
NO SCALE



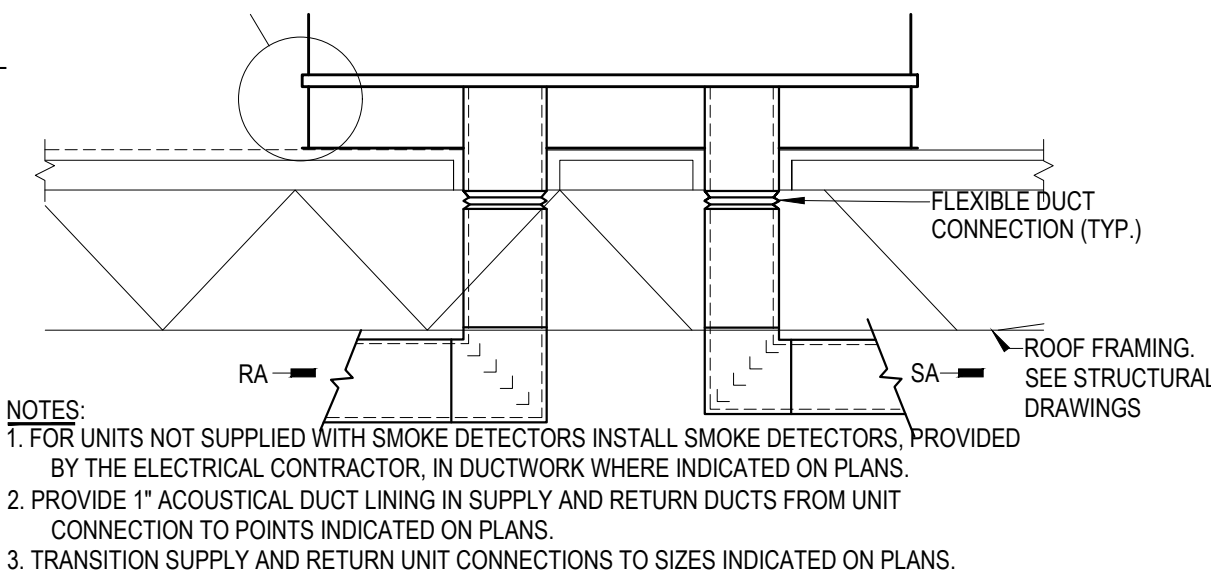
- NOTES:
1. FOLLOW MANUFACTURER INSTRUCTIONS FOR INSTALLATION OF SCHEDULE 80 PVC BELOW SLAB.
 2. PRESSURE TEST DUCTWORK FOR 0% LEAKAGE PRIOR TO BACKFILL.
 3. SCHEDULE 80 PVC SHALL BE SHIPPED IN THE LONGEST SECTIONS POSSIBLE TO MINIMIZED FIELD JOINTS.
 4. COORDINATE BACKFILL MATERIAL WITH GENERAL CONTRACTOR PRIOR TO INSTALLATION.

SCHEDULE 80 PVC DUCTWORK INSTALLATION DETAIL
NO SCALE

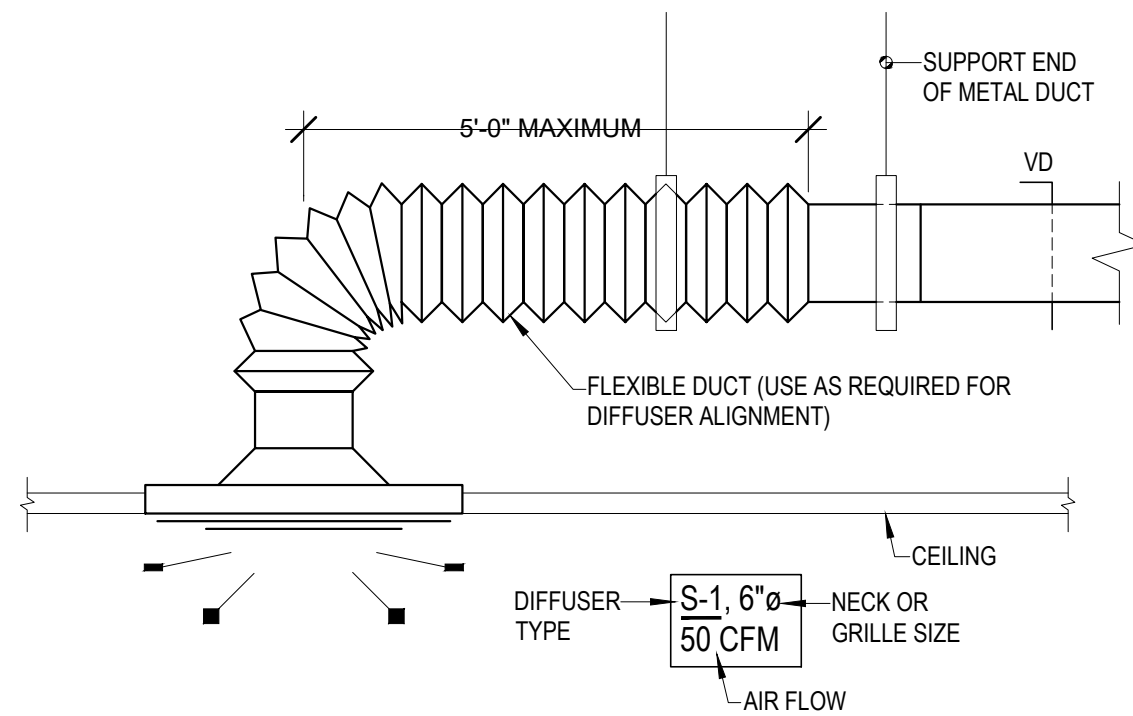


LEGEND	
SYMBOL	DESCRIPTION
AH	AIR HANDLING UNIT
CD	CEILING DIFFUSER
CFM	CUBIC FEET PER MINUTE
CU	CONDENSING UNIT
EF	EXHAUST FAN
EG	EXHAUST GRILLE
FD	FIRE DAMPER
OA	OUTSIDE AIR
RD	ROUND
RG	RETURN AIR GRILLE
⊙	THERMOSTAT
TYP	TYPICAL

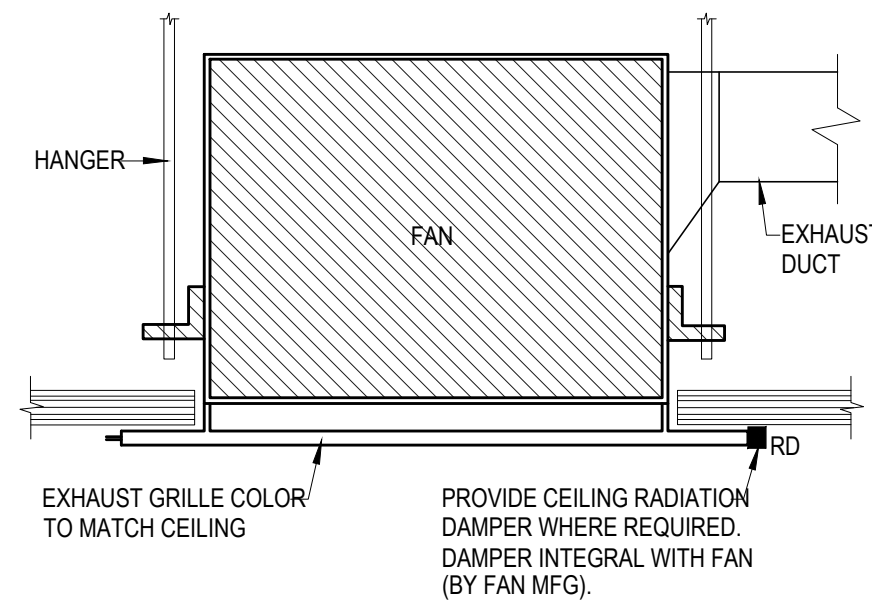
WATER RESISTANT DRYWALL (GREENBOARD) SIX (6) LAYERS TOTAL



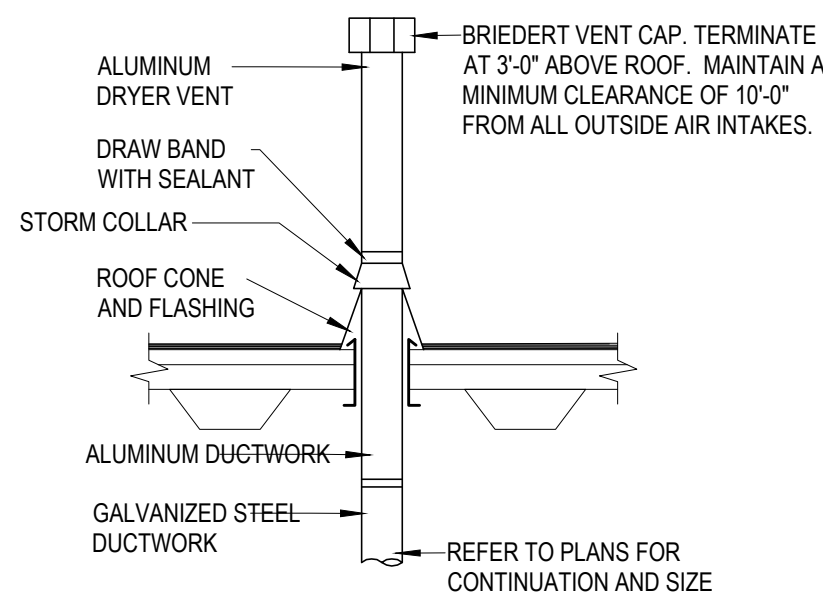
ROOFTOP UNIT INSTALLATION DETAIL
12" = 1'-0"



CEILING DIFFUSER WITH FLEX CONNECTION DETAIL
NO SCALE

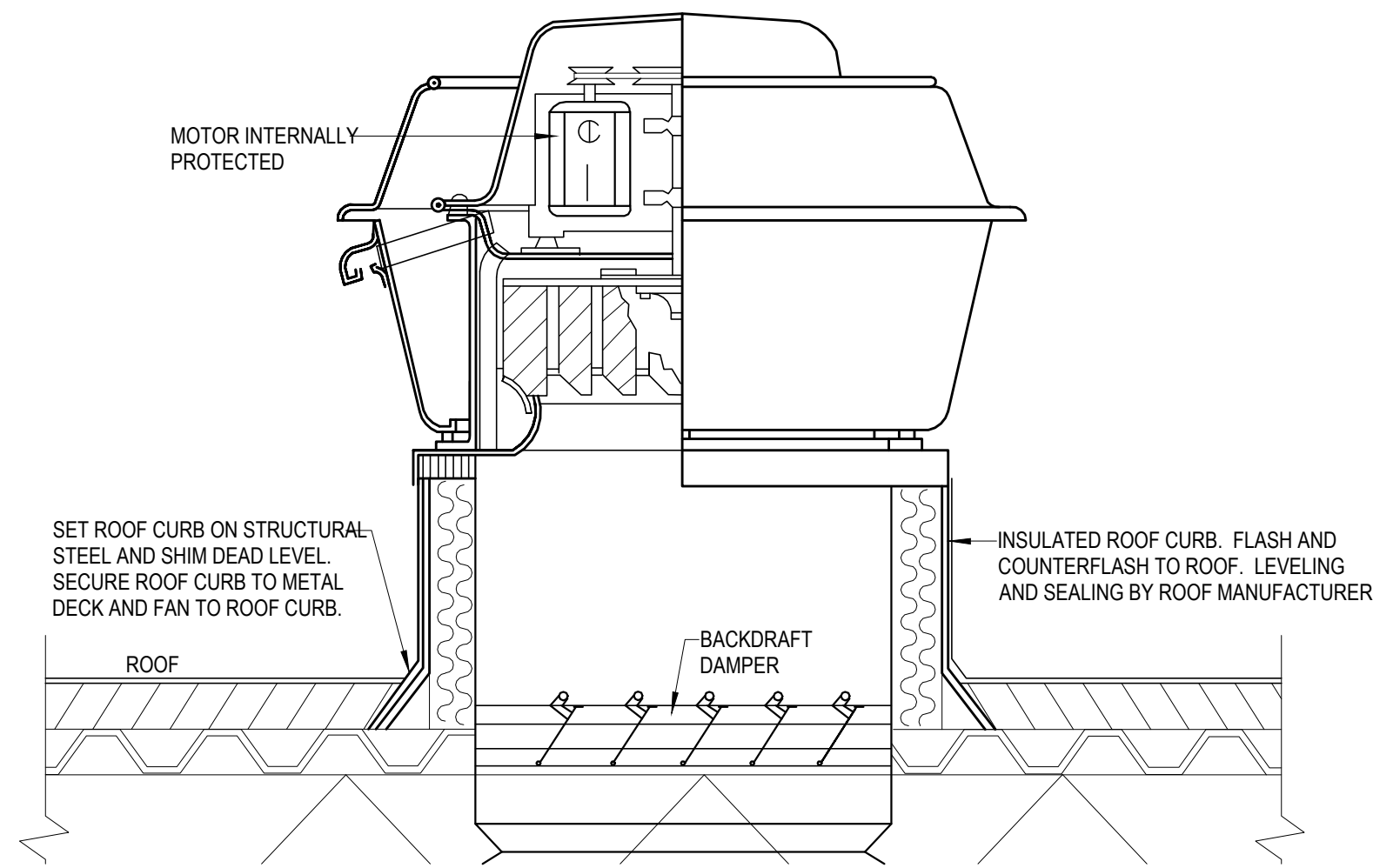
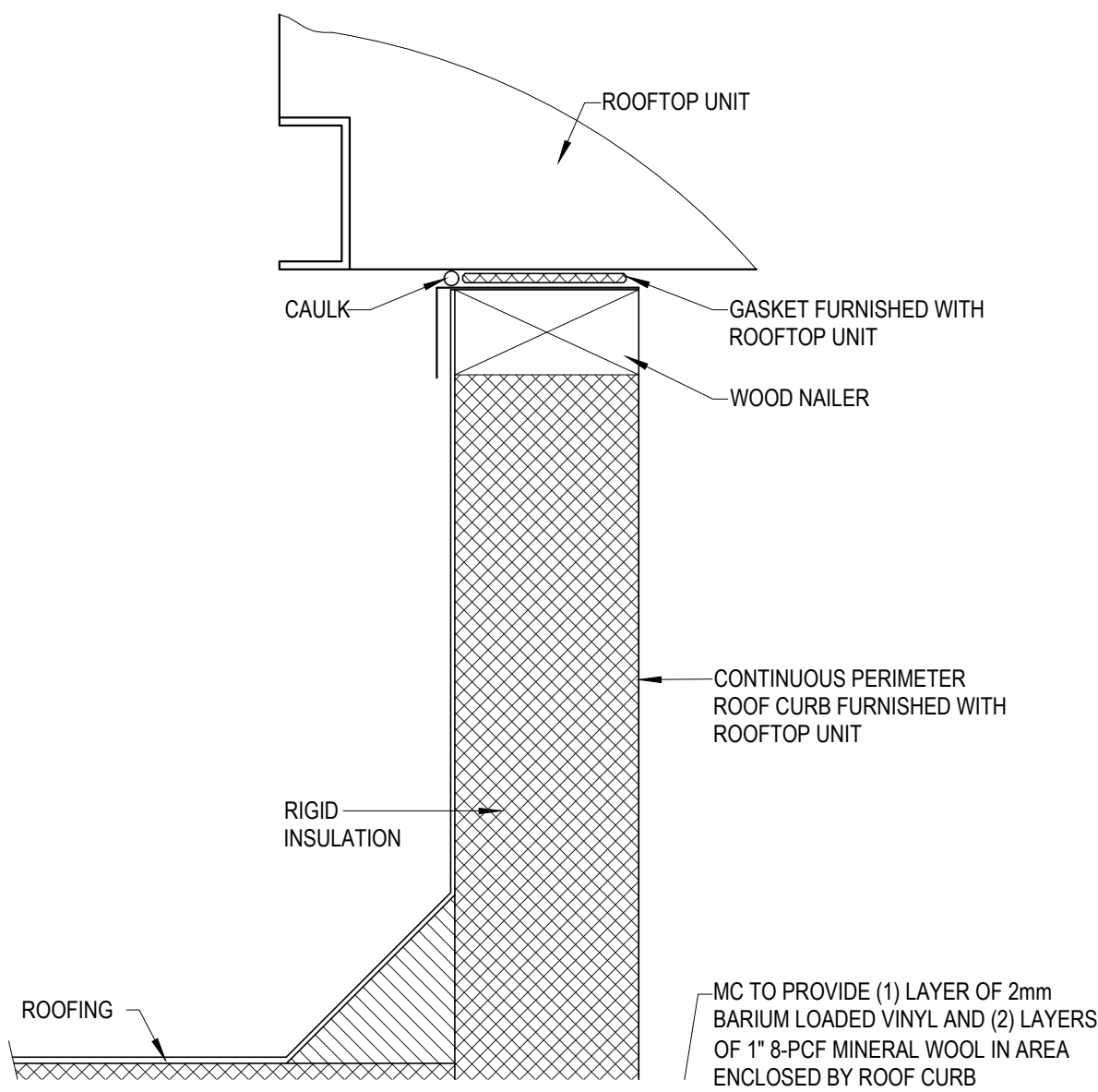
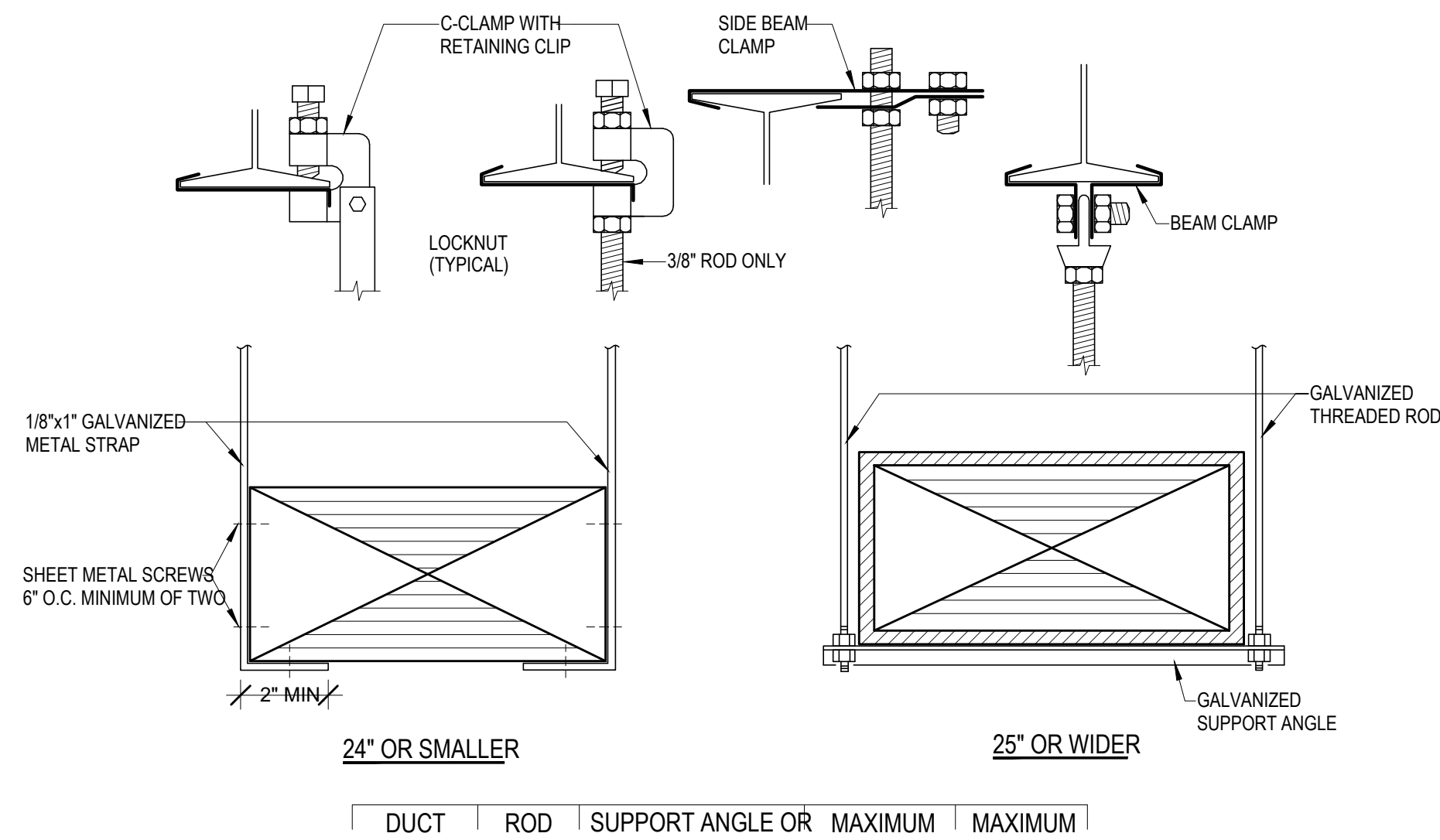


CEILING/SUSPENDED FAN DETAIL
NO SCALE



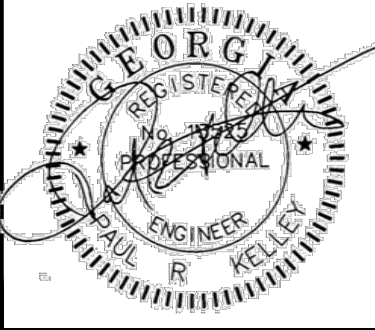
NOTE: ROUTE VENT TO AVOID ROOF JOISTS

EXHAUST VENT THROUGH ROOF DETAIL
NO SCALE



PRK Services, LLC

1245 Raine Rd
Macon, GA 31220
(478) 474-8794 ph



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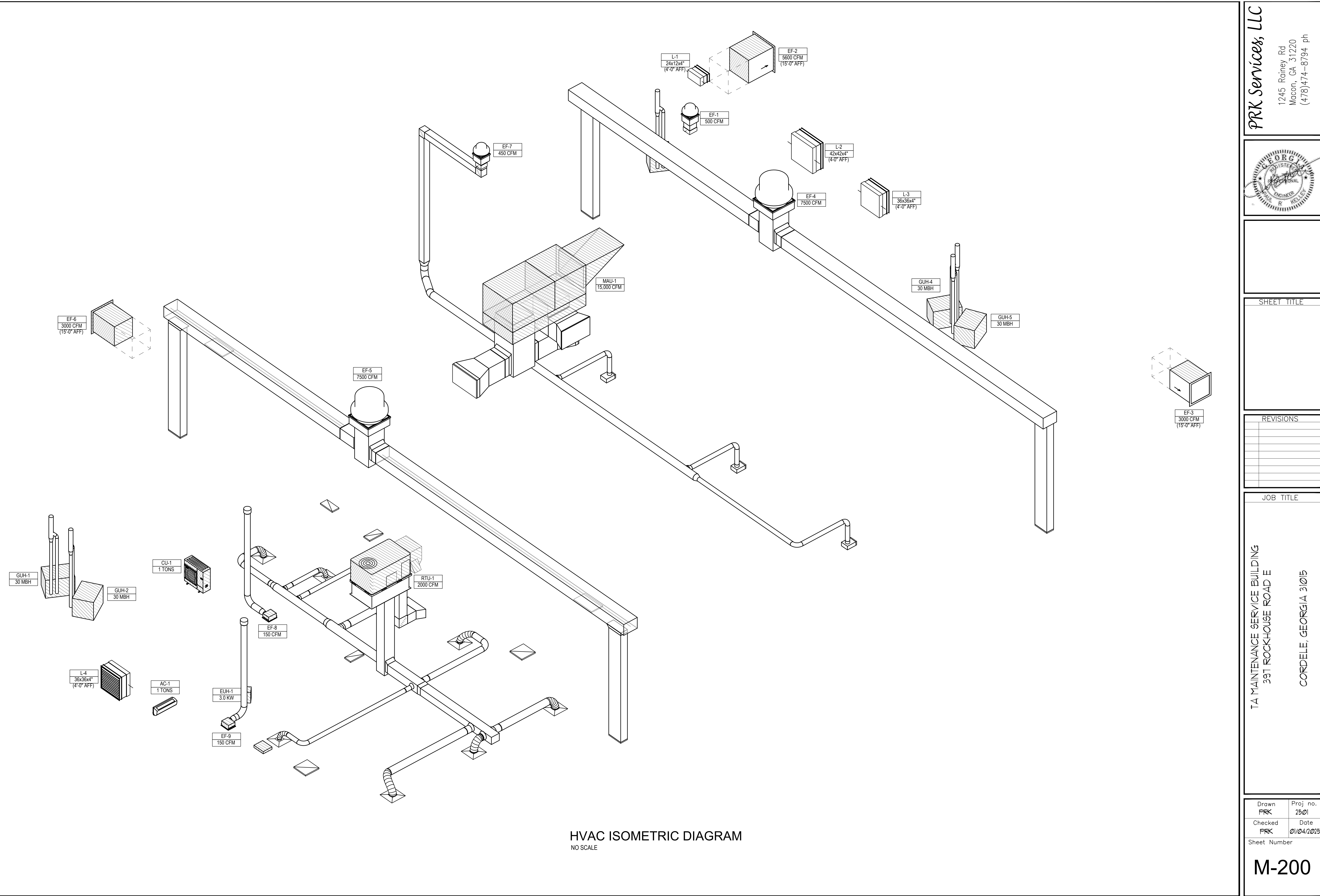
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TA MAINTENANCE SERVICE BUILDING
391 ROCKHOUSE ROAD E

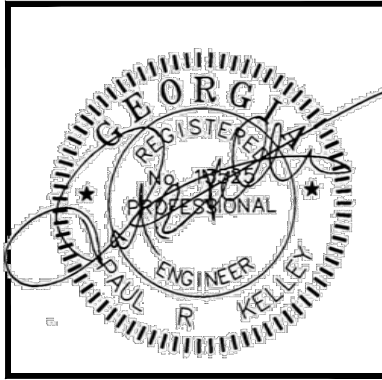
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M-101



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391 ROCKHOUSE ROAD E
CORDELE, GEORGIA 31015

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M-200

LENNOX EQUIPMENT PACKAGE

TRAVEL CENTERS OF AMERICA HAS A NATIONAL ACCOUNT AGREEMENT WITH THE LENNOX COMPANY. ALL HVAC CONTRACTORS ARE DIRECTED TO CONTACT THE LENNOX NATIONAL ACCOUNTS OFFICE AT 1-800-391-6285 (LENNOXNATIONALACCOUNTS@LENNOXINC.COM) OR ACCOUNT MANAGER: RAZI DOLE AT 1-614-886-0719 (RAZI.DOLE@LENNOXINC.COM) WITH PRODUCT RELATED QUESTIONS AND TO OBTAIN PRICING INFORMATION ON ANY APPLICABLE EQUIPMENT.

THE MECHANICAL CONTRACTOR (OR GENERAL CONTRACTOR) SHALL PURCHASE THE EQUIPMENT FROM LENNOX NATIONAL ACCOUNTS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR COORDINATING ACCEPTING THE MATERIAL, VERIFYING PROPER QUANTITIES AND MODEL

GAS UNIT HEATER SCHEDULE												
REMARKS:												
1. DISCONNECT SWITCH						4. REMOTE THERMOSTAT, MAINTAIN 55 DEGREE SETPOINT						
2. MOUNTING KIT						5. ACCEPTABLE MANUFACTURERS: LENNOX, TRANE, MODINE						
3. COMBUSTION CONCENTRIC VENT KIT PER MANUFACTURER REQUIREMENTS												
MARK	QTY.	SERVICE	CFM	INPUT (MBH)	OUTPUT (MBH)	EFFICIENCY (%)	ELECTRICAL VOLT.	PH.	MANUFACTURER	MODEL	WEIGHT (LBS)	REMARKS
GUH1	1	SHOP STORAGE	370	30	24.9	83	120	1	TRANE	GTNE 003	200	1-4
GUH2	1	SHOP STORAGE	370	30	24.9	83	120	1	TRANE	GTNE 003	200	1-4
GUH3	1	MECHANICAL	370	30	24.9	83	120	1	TRANE	GTNE 003	200	1-4
GUH4	1	TIRE STORAGE	370	30	24.9	83	120	1	TRANE	GTNE 003	200	1-4
GUH5	1	TIRE STORAGE	370	30	24.9	83	120	1	TRANE	GTNE 003	200	1-4

DUCTLESS SPLIT SYSTEM SCHEDULE											
REMARKS: LOW AMBIENT WIND BAFFLE KIT AND WALL MOUNTED THERMOSTAT. 5-YEAR COMPRESSOR WARRANTY R-410A REFRIGERANT 5. MOUNT OUTDOOR CONDENSING UNIT ON MIN. 18" STAND PER MANUFACTURER INSTRUCTIONS (DIVERSITECH OR EQUAL). INDOOR UNIT POWERED FROM OUTDOOR UNIT BY EC											
MARK	NOMINAL TONS	RATED COOLING CAPACITY (MBH)	RATED HEATING CAPACITY (MBH)	CFM RANGE	VELOCITY (FPM)	DISCHARGE	MANUFACTURER	MODEL	REMARKS		
AC1	1	12	NA	300-400	208	1	15.2	MITSUBISHI	PKA-A12HAP	2.3.4	
CU1	1	12	NA	1000	208	1	-	MITSUBISHI	PUY-A12NHA	1.2,4.5	

ELECTRIC UNIT HEATER SCHEDULE													
REMARKS:													
PROVIDE WITH DISCONNECT SWITCH AND INTEGRAL THERMOSTAT.													
PROVIDE WITH DISCONNECT SWITCH, INTEGRAL THERMOSTAT AND T-BAR MOUNTING FRAME....													
MARK	QTY.	SERVICE	CFM	MBH	ELECTRICAL			MANUFACTURER	MODEL	WEIGHT (LBS)	REMARKS		
					KW	VOLT.	PH.MCA						
							MOCP						
EUH1	1	SPRINKLER	350	-	3.0	208	1	14.50	25	QMARK	MUH-0381	27	1
EUH2	1	RESTROOM	150	10.3	3.0	208	1	14.40	25	QMARK	EFF-4004	30	2

GRILLE AND DIFFUSER SCHEDULE										
REMARKS:										
MARK	QTY.	MANUFACTURER	MODEL	DAMPER	FRAME / BORDER	MODULE SIZE	PATTERN	FINISH	REMARKS	
SUPPLY										
S-1	9	PRICE	SCD	MVD IN DUCT	LAY-IN	24x24	4-WAY THROW	WHITE	-	
S-2	2	PRICE	22	MVD IN DUCT	DUCT MTD	SEE PLANS	DOUBLE DEFLECTION	WHITE	-	
RETURN										
R-1	5	PRICE	85	NA	LAY-IN	SEE PLANS	45° DEFLECTION	WHITE	-	
EXHAUST										
E-1	3	PRICE	98	ALUM OBD AT GRILLE	SURFACE	SEE PLANS	45° DEFLECTION	WHITE	-	
E-2	8	PRICE	60	ALUM OBD AT GRILLE	DUCT MTD	SEE PLANS	45° DEFLECTION	WHITE	-	

FAN SCHEDULE												
REMARKS:												
DISCONNECT SWITCH					7. VENT GAP							
BACKDRAFT DAMPER					8. INTEGRAL MOTORIZED LOUVER							
CONTROLLED VIA REVERSE ACTING THERMOSTAT SET TO 80°F					9. CONTROLLED VIA SHOP BAY GAS DETECTION SYSTEM AND ADDITIONAL WALL TIMER SWITCH FOR MANUAL ACTIVATION (ADJUSTABLE)							
WALL SWITCH					10. EXTENDED LUBE LINES, NEOPRENE VIBRATION ISOLATORS, MOTOR COVERS							
SPEED CONTROL					11. MOTORIZED DAMPER ON DA INTAKE LOUVER IN SPACE TO OPEN WHEN FAN IS IN OPERATION							
TO RUN CONTINUOUSLY WHEN BUILDING IS OCCUPIED.					12. TERMINATE BELOW ROOF WITH WIRE MESH GRILLE							
MARK	QTY.	SERVICE	CFM	STATIC PRESSURE (W/C)	RPM	dBA	ELECTRICAL		MANUFACTURER	MODEL	WEIGHT (LBS)	REMARKS
							HP or WATTS	VOL.T.P.H.				
EF1	1	MECHANICAL	500	0.25	1342	50	1/10 HP	115 1	GREENHECK	G-090-VG	30	1,2,3,5,12
EF2	1	MECH / ELEC	5600	0.25	1725	68	1/2 HP	115 1	GREENHECK	SBE-1H30-5	130	1,2,3,8,11
EF3	1	TIRE STORAGE	3000	0.25	865	67	1/3 HP	115 1	GREENHECK	SBE-1H24-3	90	1,2,3,4,5,8,11
EF4	1	SHOP BAY	7500	0.25	635	67	1.5 HP	208 3	GREENHECK	GB-260-15	300	1,2,9,10
EF5	1	SHOP BAY	7500	0.25	635	67	1.5 HP	208 3	GREENHECK	GB-260-15	300	1,2,9,10
EF6	1	SHOP STORAGE	3000	0.25	865	67	1/3 HP	115 1	GREENHECK	SBE-1H24-3	90	1,2,3,4,5,8,11
EF7	1	SHOP BAY PITS	450	0.5	1536	54	1/10 HP	115 1	GREENHECK	G-090-VG	30	1,2,5,6
EF8	1	EMPL RRR	150	0.25	1400	37	55 W	115 1	GREENHECK	SPA-190	17	1,2,6,7
EF9	1	RR	150	0.25	1400	37	55 W	115 1	GREENHECK	SPA-190	17	1,2,6,7

ROOFTOP UNIT SCHEDULE (GAS HEAT)																			
REMARKS:																			
NON-FUSED DISCONNECT SWITCH ECONOMIZER WITH BAROMETRIC RELIEF MEDIUM STATIC, BELT DRIVE HIGH STATIC, BELT DRIVE VERTICAL SUPPLY AND RETURN																			
6. 14" HIGH ROOF CURB 7. ACOUSTICALLY LINE FIRST 10'-0" OF BOTH SUPPLY AND RETURN AIR DUCTS 8. TWO SETS OF FILTERS 9. THERMOSTAT PROVIDED WITH LOCKING COVER AND ACCESS CODE 10. OUTDOOR AIR FILTER																			
11. INLET HOOD 12. TWO STAGE COOLING 13. LOW AMBIENT CONTROLS 14. HAILGUARD																			
MARK	NOMINAL TONS	CFM	MIN. OUTSIDE AIR CFM	EXTERNAL STATIC PRESSURE (\"WC)	SUPPLY FAN HP	ELECTRICAL			COOLING CAPACITY		HEATING CAPACITY		MANUFACTURER	MODEL	EER	SEER	WEIGHT (LBS)	REMARKS	
						VOLT.	PH.	MCA	MOCp	TOTAL (MBH)	SENSIBLE (MBH)	INPUT (MBH)	OUTPUT (MBH)						
RTU1	5	2000	700	0.5	1.0	208	1	15.50	25	63.3	47.5	108	86	LENNOX	LGH060H4E	12.7	17.1	900	1-13

MAKEUP AIR UNIT SCHEDULE (RECIRCULATING W/GAS HEAT)																
MARKS: WITH DISCONNECT SWITCH, INSULATED ROOF CURB, OUTDOOR AIR AND RETURN AIR DAMPERS, SUPPLY FAN VFD, MICROPROCESSOR UNIT CONTROLS AND SPACE MOUNTED 7-DAY PROGRAMMABLE THERMOSTAT. UNIT TO RUN CONTINUOUSLY WHEN BUILDING IS OCCUPIED AND SHALL CYCLE HEATING AS REQUIRED TO MAINTAIN SPACE TEMPERATURE SETPOINT. DURING NORMAL OPERATING CONDITIONS THE UNIT SHALL DELIVER THE MINIMUM AMOUNT OF OUTSIDE AIR TO THE SPACE. WHEN THE TRUCK BAY GAS DETECTION SYSTEM ENTERS THE LOW LEVEL WARNING STAGE, THE OUTSIDE AIR VOLUME SHALL BE INCREASED TO MAXIMUM UNTIL THE GAS DETECTION SYSTEM IS NO LONGER IN ALARM. MAU MUST BE EQUIPPED WITH THE GAS DETECTION SYSTEM CONTROL PANEL.																
MARK	SUPPLY AIR (CFM)	OUTDOOR AIR (CFM MIN/MAX)	RETURN AIR (CFM MIN/MAX)	EXTERNAL STATIC PRESSURE (\"WC)	SUPPLY FAN HP	VOLT.	ELECTRICAL			INPUT (MBH)	OUTPUT (MBH)	EFFICIENCY (%)	MANUFACTURER	MODEL	WEIGHT (LBS)	REMARKS
							PH.	MCA	MCCP							
AU 1	15,000	3,000/11,000	4,000/12,000	0.5	15	208	3	59.70	100	1127	1037	92	GREENHECK	GDX-P127-H32-MF3	2000	1

- BOTH THE HVAC CONTRACTOR AND THE INSTALLING MECHANICAL SHALL NOTE THAT THE IMC IS BY STATUTORY INCLUSION A PART OF THE LAWS OF THE STATE, AS LICENSED CONTRACTORS THEY BEAR PRIME RESPONSIBILITY TO COMPLY WITH IT EVEN WHEN PLANS OR SPECIFICATIONS MIGHT UNKNOWINGLY DENOTE AN APPARENT VIOLATION THIS SHOULD BE OBSERVED CAREFULLY AND CONTINUOUSLY PARTICULARLY DURING ESTIMATING FOR PROPOSAL. ANY DISCREPANCIES SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR RESOLUTION PRIOR TO BIDDING.
- BY SUBMISSION OF THE BID, THE CONTRACTOR/SUBCONTRACTOR SHALL ACKNOWLEDGE ACCEPTANCE OF THESE DOCUMENTS AS AN ADEQUATE REFLECTION OF THE SCOPE OF WORK AND EXTRA COST CLAIMS BASED ON INADEQUACIES OF THESE DOCUMENTS SHALL NOT BE CONSIDERED.
2. FURNISH AND INSTALL ALL NECESSARY LABOR AND MATERIALS FOR A COMPLETE SYSTEM. ANY APPLIANCES, MATERIALS, FITTINGS OR ACCESSORIES OBVIOUSLY A PART OF THE SYSTEM AND NECESSARY FOR ITS PROPER OPERATION, ALTHOUGH NOT SPECIFICALLY MENTIONED HEREIN, SHALL BE FURNISHED AND INSTALLED AS IF CALLED FOR IN DETAIL.
3. WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH ALL STATE AND LOCAL CODES, AND STANDARD 90A. MEET ALL OSHA GUIDELINES.
4. ATTAIN AND PAY FOR ALL REQUIRED PERMITS AND FEES.
5. INSTALL DUCTS, EQUIPMENT, AND CONTROLS IN A NEAT WORKMANLIKE MANNER, AND IN ACCORDANCE WITH GOOD PRACTICE FOR A COMPLETE WORKABLE INSTALLATION. AVOID CONFLICT WITH OTHER WORK. MAKE ADEQUATE PROVISIONS FOR PREVENTING NOISE AND VIBRATION. ARRANGE EQUIPMENT INTO THE AVAILABLE SPACE IN A MANNER TO MAKE ALL WORKING PARTS ACCESSIBLE FOR MAINTENANCE AND SERVICE.
6. ALL EQUIPMENT LOCATIONS SHOWN ON DRAWINGS ARE APPROXIMATE ONLY, DO NOT INSTALL EQUIPMENT IN LOCATIONS WHICH DO NOT PROVIDE ADEQUATE MANUFACTURERS SUGGESTED CLEARANCES. IF ACTUAL EQUIPMENT LOCATION DIFFERS FROM THAT SHOWN, THEN MODIFY DUCTWORK/PIPING ACCORDINGLY.
7. ALL HVAC UNITS LOCATED AT INTERIOR SHALL HAVE ADEQUATELY SIZED DRAIN FANS AND DRAINS. PROVIDE FLOAT SWITCH INTERLOCK WITH AC UNIT SHUT-DOWN.
8. PRIOR TO MOUNTING, HANGING, OR RESTING ON OR NEARBY ANY STRUCTURAL MEMBER, VERIFY WITH GENERAL CONTRACTOR THAT SUCH MEMBER OR STRUCTURE IS BEING DESIGNED TO SUPPORT THE RELATED ADDITIONAL EQUIPMENT LOADS/WEIGHTS. WHERE REQUIRED TO MAINTAIN THE STRUCTURAL INTEGRITY OF THE FRAMING SYSTEM AND SUPPORT THE EQUIPMENT, ADDITIONAL SUPPORT SHALL BE REQUIRED. COORDINATE SUCH WORK WITH THE GENERAL CONTRACTOR.
9. ROOF CURBS - PROVIDE CURBS AT ALL RELATED ROOF TOP MOUNTED EQUIPMENT AS PER MANUFACTURER'S SUGGESTION AS PER TYPE ROOF AND SLOPE PRESENT. COORDINATE EXACT ROOF PROFILE AND SLOPE WITH GENERAL CONTRACTOR PRIOR TO ORDER. COORDINATE FRAMED OPENINGS AND SUPPORT WITH ROOF ASSEMBLY.
10. MAJOR INTERIOR ROOM FINISHES AROUND UNITS TO BE INSTALLED PRIOR TO INSTALLATION OF UNIT.
11. PROVIDE ALL CONCRETE PADS, ROOF CURBS, SUPPORTS, UNISTRUTS, THREADED RODS, RACKS, HANGERS, STRAPS, MAINTENANCE PLATFORMS, ETC AS NEEDED FOR PROPER/CODE COMPLIANT SYSTEM INSTALLATION AND SERVICE.
12. PROVIDE VIBRATION ISOLATION MEASURES AT ALL EQUIPMENT SUBJECT TO VIBRATION.
13. PROTECT ALL MATERIALS AND EQUIPMENT FROM DAMAGE.
14. EQUIPMENT AND MATERIALS SHALL BE NEW UNLESS OTHERWISE SPECIFIED. MEET ALL NEMA STANDARDS.
15. PRIOR TO COMPLETION, PROVIDE TEST AND BALANCE OF ENTIRE SYSTEM.
 - A. CLEAN, LUBRICATE, AND ADJUST OF ALL EQUIPMENT FOR PROPER OPERATION.
 - B. ADJUST DAMPERS, GRILLES, AND DIFFUSERS FOR PROPER AIR DISTRIBUTION.
 - C. CHECK SYSTEM UNDER ACTUAL OPERATING CONDITIONS AND MAKE ADJUSTMENTS FOR UNIFORM TEMPERATURE THROUGHOUT CONDITIONED SPACE.
 - D. VERIFY PROPER OPERATION OF SAFETY FEATURES INCLUDING- ALARMS, INTERLOCKS, SMOKE CONTROL, FIRE DAMPERS, ETC.
 - E. ADJUST AND SET ALL CONTROLS & PROGRAM THERMOSTAT AS PER OWNER'S CRITERIA.
 - F. BALANCING/COMMISSIONING REPORT SHALL BE SUBMITTED AT TIME OF FINAL INSPECTION TO MACON-BIBB PRIOR TO ISSUANCE OF CERTIFICATE OF OCCUPANCY (C.O.)
16. PROVIDE 1 YEAR WARRANTY ON MATERIAL AND WORKMANSHIP STARTING FROM PROJECT COMPLETION. PROVIDE 4 YEAR WARRANTY ON COMPRESSOR PARTS STARTING FROM PROJECT COMPLETION. AT COMPLETION OF JOB, PRESENT OWNER WITH ALL MANUFACTURER'S STANDARD WARRANTIES, OPERATION AND MAINTENANCE MANUALS. INSTRUCT OWNER IN THE OPERATION AND MAINTENANCE OF ALL SYSTEMS.
17. HVAC UNITS:
 - A. HVAC UNITS - COMPLETE ASSEMBLY BY SAME MANUFACTURER, CARRIER, TRANE, RHEEM OR EQUAL. PROVIDE ALL STANDARD ACCESSORIES PER CONDITIONS PRESENT.
 - B. MOTOR ASSEMBLIES TO COMPLY WITH NEMA CRITERIA. PROVIDE ALL WEATHER INTEGRAL PART OF STANDARD HVAC UNIT PACKAGE OR NOT. MOTORS TO HAVE INTEGRAL OVERLOAD PROTECTION. PROVIDE ALL MOTOR STARTERS, REMOTE MOTOR STARTERS, CONTACTORS, CIRCUIT BREAKERS, AND ALL OTHER CONTROL EQUIPMENT NECESSARY FOR PROPER MOTOR OPERATION.
 - C. ALL AUTOMATIC OR MOTORIZED DAMPERS, AUTOMATIC VALVES, OR ACTUATORS NEEDED FOR PROPER SYSTEM FUNCTION SHALL BE PROVIDED WHETHER FURNISHED AS PART OF THE ACTUAL MANUFACTURER'S EQUIPMENT PACKAGE OR NOT.
 - D. OUTSIDE AIR: PROVIDE AS PER CODE. DUCT AND OBTAIN THRU WALL LOUVERS AS REQUIRED AT REAR AND SIDE WALLS OF BUILDING. FULL EXTENT OF SUCH MAY NOT NECESSARILY BE SHOWN ON THE DRAWINGS BUT SUFFICIENT AND CODE COMPLIANT OUTSIDE AIR ASSEMBLIES SHALL BE PROVIDED.
18. ELECTRICAL -
 - A. DISCONNECTS AND/OR BREAKERS, POWER WIRING THRU MOTOR CONTROL DEVICES TO ALL MOTORS OR TO JUNCTION BOXES OF FACTORY WIRED EQUIPMENT ARE TO BE PROVIDED UNDER THE ELECTRICAL DIVISION OF WORK. MECHANICAL WORK SHALL INCLUDE CONTROL AND INTERLOCK WIRING REQUIRED FOR PROPER OPERATION OF THE SYSTEM, AND SHALL INCLUDE FURNISHING OF MAGNETIC STARTERS OR CONTACTORS WHERE REQUIRED.
 - B. COORDINATE VOLTAGE AND PHASE OF EACH PIECE OF EQUIPMENT WITH ELECTRICAL CONTRACTOR BEFORE ORDERING OR ROUGH-IN.
 - C. ALL CONTROLS AND CONTROL WIRING SHALL BE PROVIDED. COORDINATE WORK WITH OTHER TRADES AS NEEDED TO PROVIDE COMPLETE CONTROL SYSTEM. RUN ALL CONTROL WIRING IN CONDUIT WHERE REQUIRED BY CODE OR SUBJECT TO DAMAGE.
19. PIPING -
 - A. ROUTE ALL CONDENSATE DRAINS CONCEALED AND SLOPE FOR POSITIVE FLOW TO DRAIN. ROUTE TO EXTERIOR OR CLOSETS APPROVED DRAIN PER CODE. WHERE REQUIRED FOR POSITIVE FLOW TO DRAIN, PROVIDE CONDENSATE PUMP. COORDINATE POWER SUPPLY TO PUMP WITH ELECTRICAL SUBCONTRACTOR.
 - B. REFRIGERATE LINE SETS - TO BE OF TYPE AND SIZE AS RECOMMENDED BY UNIT MANUFACTURER AS PER CONDITIONS PRESENT. DO NOT EXCEED MANUFACTURER'S SUGGESTED MAXIMUM LENGTH OF LINE SET.
 - C. ALL PIPING PENETRATIONS THRU WALLS AND FLOORS SHALL BE SLEEVED.
 - D. ALL PIPING AND LINE SETS SHALL BE CONCEALED IN WALLS OR ABOVE CEILINGS. NO EXPOSED PIPING SHALL RUN DOWN EXTERIOR WALLS. INSULATE ALL PIPING TO PREVENT FREEZE, WEATHER/SUN DAMAGE AND CONDENSATION.

LOUVER SCHEDULE									
REMARKS:									
1. INSTALL PER MANUFACTURER RECOMMENDATIONS.				4. TRANSITION TO FULL SIZE LOUVER.					
2. PROVIDE COLOR ANODIZED FINISH, COLOR TO BE SELECTED BY ARCHITECT.				5. PROVIDE INSULATED PLENUM BOX, SLOPE BOTTOM OF PLENUM TO LOUVER SILL.					
3. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATIONS.									
MARK	SERVICE	CFM	STATIC PRESSURE ("WC)	VELOCITY (FPM)	MIN. FREE AREA (FT²)	SIZE (W"xHxD")	MANUFACTURER	MODEL	REMARKS
L1	MECHANICAL (OA)	500	0.2	1,000	0.5	24x12x4	GREENHECK	EHH-401	1-5
L2	MECH / ELEC (OA)	5600	0.2	1,000	5.5	42x42x4	GREENHECK	EHH-401	1-5
L3	TIRE STORAGE (OA)	3000	0.15	850	3.5	36x36x4	GREENHECK	EHH-401	1-5
L4	SHOP STORAGE (OA)	3000	0.15	508	3.5	36x36x4	GREENHECK	EHH-401	1-5

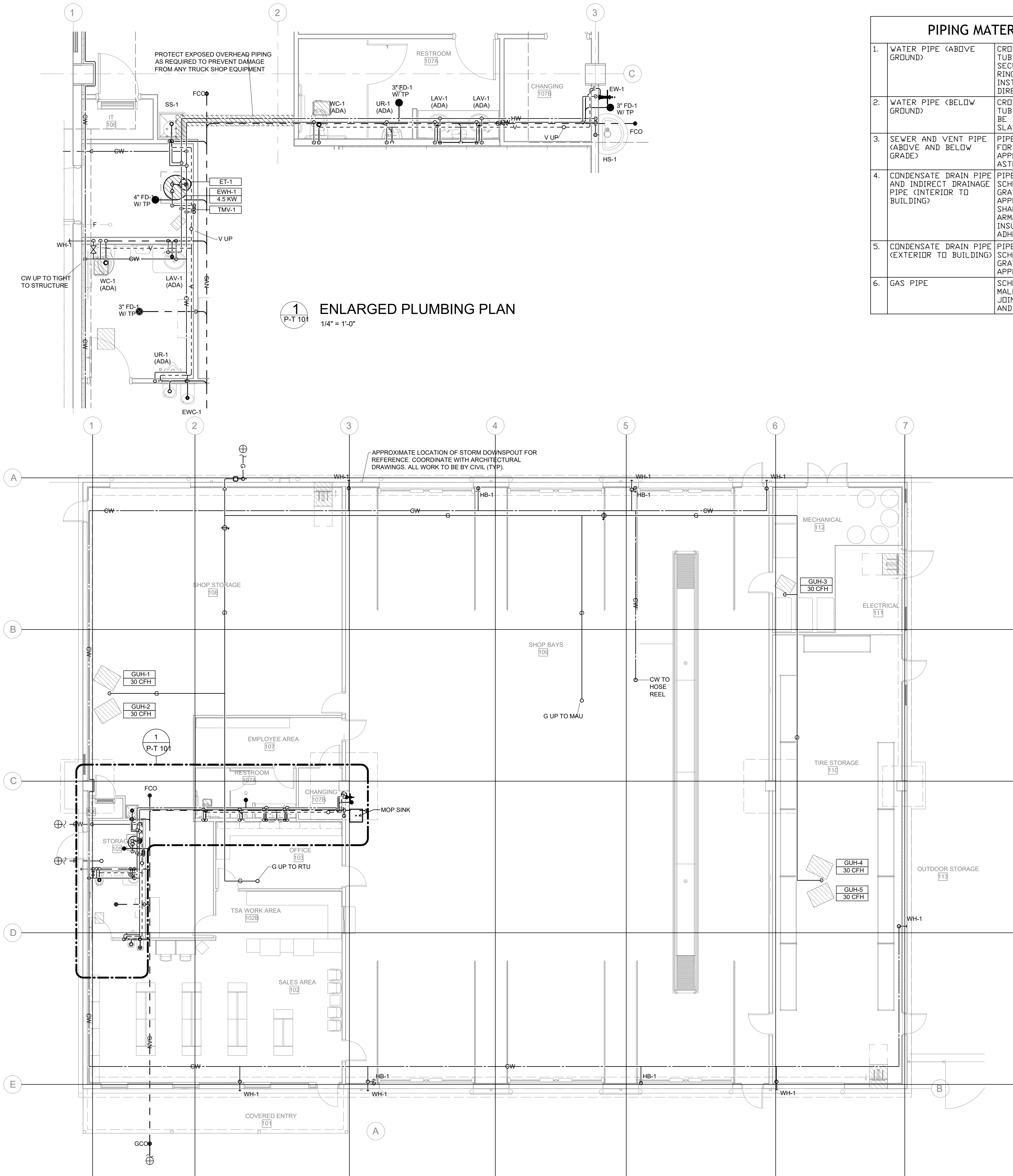
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TA MAINTENANCE SERVICE BUILDING 39T ROCKHOUSE ROAD E CORDELE, GEORGIA 31015	JOB TITLE
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M-300



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

PIPING MATERIAL SCHEDULE	
1. WATER PIPE (ABOVE GROUND)	CROSSLINKED POLYETHYLENE (PEX) TUBING WITH BRASS INSERT FITTINGS SECURED WITH STEEL COMPRESSION RINGS. NO PEX PIPING SHALL BE INSTALLED WHERE IT IS EXPOSED TO DIRECT SUNLIGHT.
2. WATER PIPE (BELOW GROUND)	CROSSLINKED POLYETHYLENE (PEX) TUBING. NO JOINTS OR UNIONS SHALL BE INSTALLED BELOW THE BUILDING SLAB.
3. SEWER AND VENT PIPE (ABOVE AND BELOW GRADE)	PIPE AND FITTINGS SHALL BE PVC FOR USE IN GRAVITY, NON-PRESSURE APPLICATIONS AS IDENTIFIED IN ASTM D 1784.
4. CONDENSATE DRAIN PIPE AND INDIRECT DRAINAGE PIPE (INTERIOR TO BUILDING)	PIPE AND FITTINGS SHALL BE SCHEDULE 40 PVC FOR USE IN GRAVITY, NON PRESSURE APPLICATION. CONDENSATE PIPING SHALL BE INSULATED WITH 1/2" ARMAFLEX CLOSED CELL PIPE INSULATION WITH SELF SEALING ADHESIVE JOINTS, OR EQUIVALENT.
5. CONDENSATE DRAIN PIPE (EXTERIOR TO BUILDING)	PIPE AND FITTINGS SHALL BE SCHEDULE 40 PVC FOR USE IN GRAVITY, NON PRESSURE APPLICATION.
6. GAS PIPE	SCHEDULE 40 BLACK STEEL WITH MALLEABLE IRON FITTINGS. WELDED JOINTS FOR PIPE 2-1/2" AND LARGER AND ALL JOINTS BELOW GRADE.

GENERAL PIPING REQUIREMENTS

Drawing are diagrammatic to indicate the required plumbing system. Every fitting and detail is not necessarily indicated. The contractor shall provide for and install for a complete and properly functioning system(s) in a professional manner. All work shall be installed so that valves and other working components are accessible for service. Provide flush mounted hinged cover access panels for access to any concealed valves, etc.

Contractor shall check and verify the utility source water pressure. IF the pressure exceeds 80 PSI the contractor shall provide a line size pressure reducing valve, Watts model 223SB type.

All vent, water, and waste piping shall be concealed in walls or above ceilings, unless noted otherwise. Any piping routed through counter work shall be located out-of-the-way to the rear of the counter and well secured. Coordinate carefully with the counter manufacturer and architect for routing of any piping.

Any exposed piping shall be protected from physical damage. All piping exposed below sinks, lavatories, etc. shall be insulated and protected in accordance with ANSI/ADA requirements, utilizing ProWrap by McGuire Manufacturing or equal.

The contractor shall provide final field coordination and verification of the exact location of stub-up and stub-out location prior to rough-in. Each floor slab penetrations shall first be checked and verified with structural to avoid structural damage. Floor slab penetrations shall be sleeved and sealed. all floor drains, floor sinks, and floor cleanouts shall be flashed to the waterproofing membrane and sealed. Slope floor to drain per architectural requirements. Any roof penetrations shall be made as directed by owner's roofing installer to maintain roof warranty. Provide all necessary roof flanges, etc.

Piping Insulation- Insulate all HW & CW piping systems with 1" thick preformed and jacketed insulation labeled for use in return air plenums. Insulation shall be Armaflex type AP with manufacturer's recommended adhesive. Insulate P-traps for condensate removal and water heater relief's with 1" thick plenum rated Armaflex or equal.

The contractor shall test each water and drainage piping system, prior to covering up any piping, in accordance with the code. All testing shall be performed in the presence of the owner's representative. Any defective materials shall be replaced with new materials and the system retested. Once all work is completed the each system shall be sanitized in accordance with the code and then flushed clean with potable water.

Disinfection- The complete piping system(s) shall be disinfected in accordance with the code, then flushed clean. All fixtures shall be cleaned prior to disinfection. A water sample from the farthest outlet shall be taken and tested by an independent lab to certify the water quality.

The pipe system shall be flushed with clean, potable water until dirty water does not appear at the points of outlet.
The system or part thereof shall be filled with a water/ chlorine solution containing not less than 50 parts per million (50 mg/L) of chlorine, and the system or part thereof shall be valved off and allowed to stand for 24 hours; or the system or part thereof shall be filled with a water/chlorine solution containing not less than 200 parts per million (200 mg/L) of chlorine and allowed to stand for 3 hours.
Following the required standing time, the system shall be flushed with clean potable water until the chlorine is purged from the system. The procedure shall be repeated where shown by a bacteriological examination that contamination remains present in the system.

BASIC MATERIALS & METHODS

Provide a complete plumbing system, left in proper working order. Provide herein means installed completely, including labor and materials. Contractor responsible for all cost for redesigns, reinspection, etc. caused or created by the contractor. Secure and pay for all fees, licenses, permits, inspections. Coordinate and verify all details of the utilities. Meet and comply with all Federal, State, County & City Codes and regulations.

The installing contractor providing for this work shall be a firm licensed for this type work and shall provide copies of licenses, business licenses, bonding limits, and insurance coverage. The contractors field personnel shall be under the direct supervision of a licensed plumber(s).

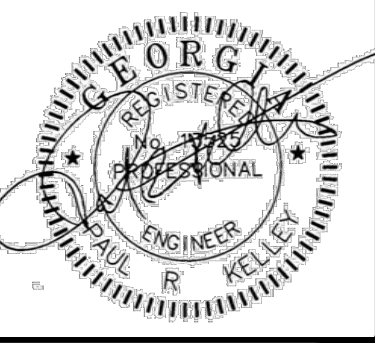
Provisions include labor, supplies and materials, tools, equipment, etc.. Provide complete submittals & shop drawings on all items. Prior approval is required for any substitutions. Provide final connections to all items. Coordinate with other trades prior to roughin and provide any necessary adjustments. Contractor is responsible for material shipping, delivery, receiving, storage, & protection, excavation, backfilling, cutting, patching and cleaning. All work and materials shall be guaranteed for one year, plus any extended manufacturer's warranties. Provide as-built reproducible mylar record documents, and complete parts, maintenance and service manuals, along with and necessary training of owners personnel.

All materials shall be new, and currently manufactured. All materials shall be U. L. labeled, and meet all industry standards. Provide pipe labeling for all potable water and other lines. Provide 3000 PSI class concrete for equipment bases. Backfill and compact fill to a minimum of 95% compaction. Provide all support hardware necessary for the plumbing work. Paint all materials exposed to view as directed by architect. Fire/smoke seal each penetration of any rated barrier (floor, wall, etc.).

Existing conditions information is based on historical information, contractor shall field verify actual conditions prior to demolition/modifications and immediately advise of any discrepancies. Maintain continuity of all existing systems. Provide for removal, reconnection, etc. to existing systems. Provide 72 hour advance notice (min.) of any interruptions. Interruptions of two or more hours shall be at nights or weekends. Removed materials shall become property of contractor, unless noted otherwise.

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SHEET TITLE

REVISIONS

JOB TITLE

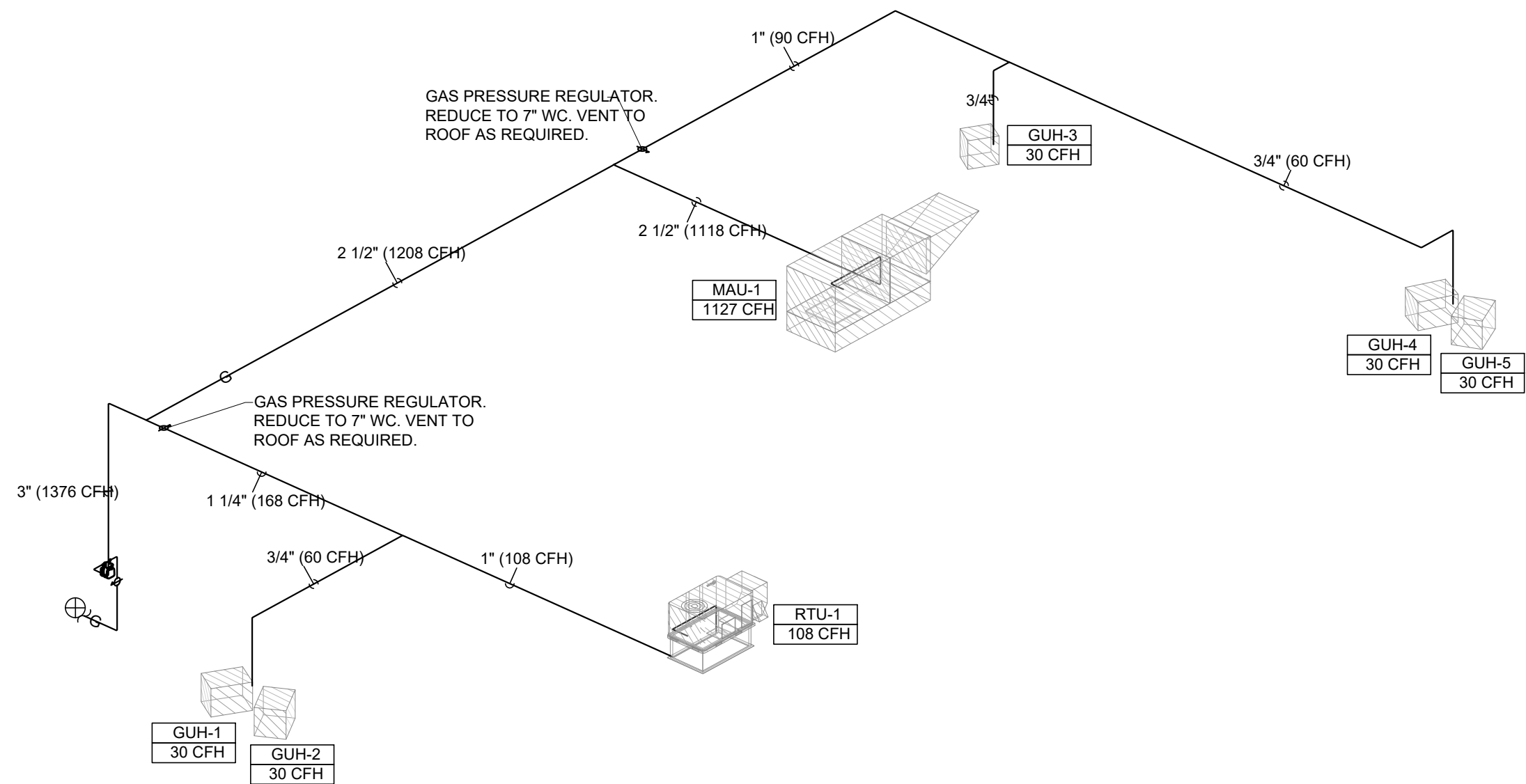
TA MAINTENANCE SERVICE BUILDING
391 ROCKHOUSE ROAD E

CORDELE, GEORGIA 31015

Drawn PRK Proj. no. 2501
Checked PRK Date 01/04/2025

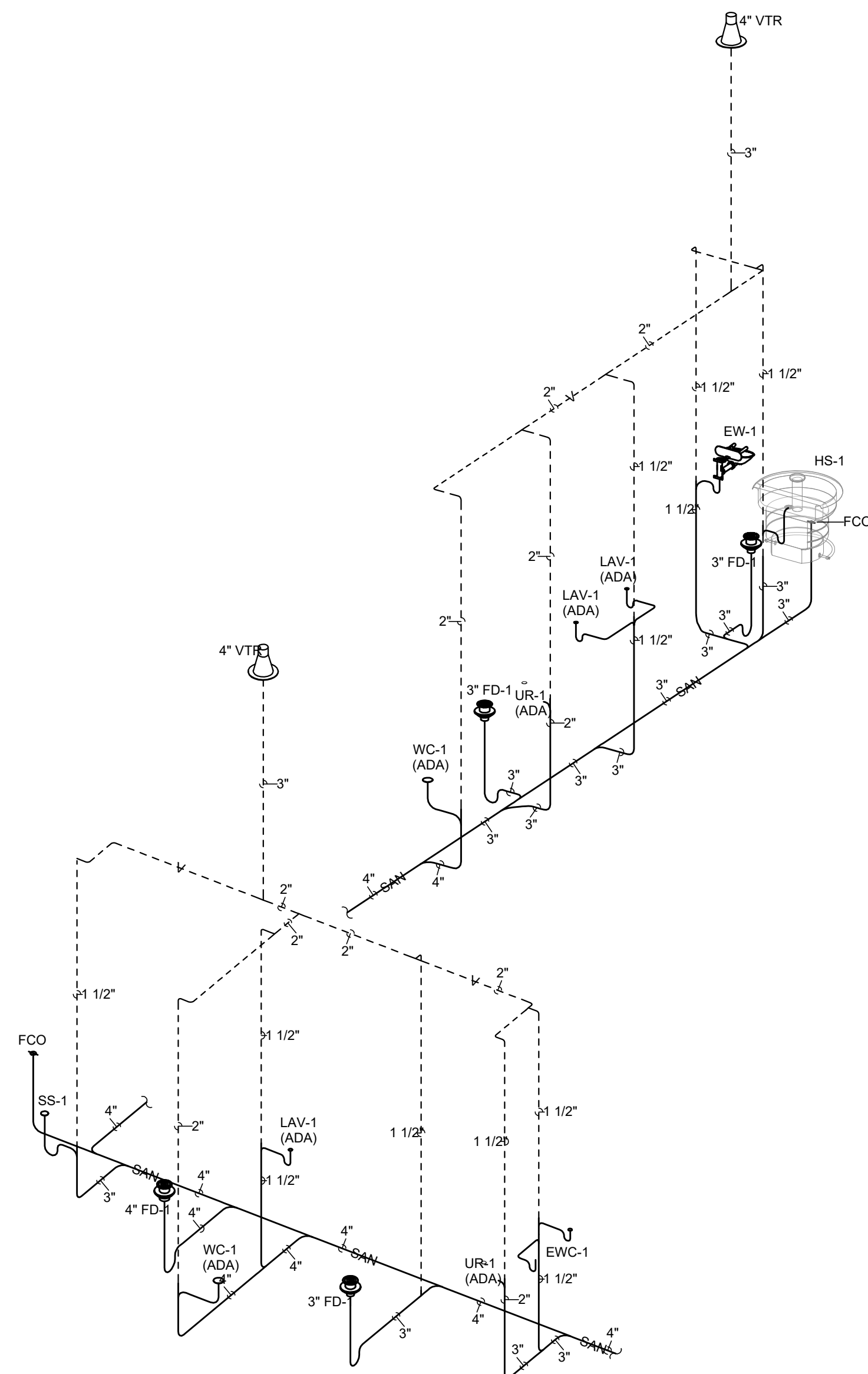
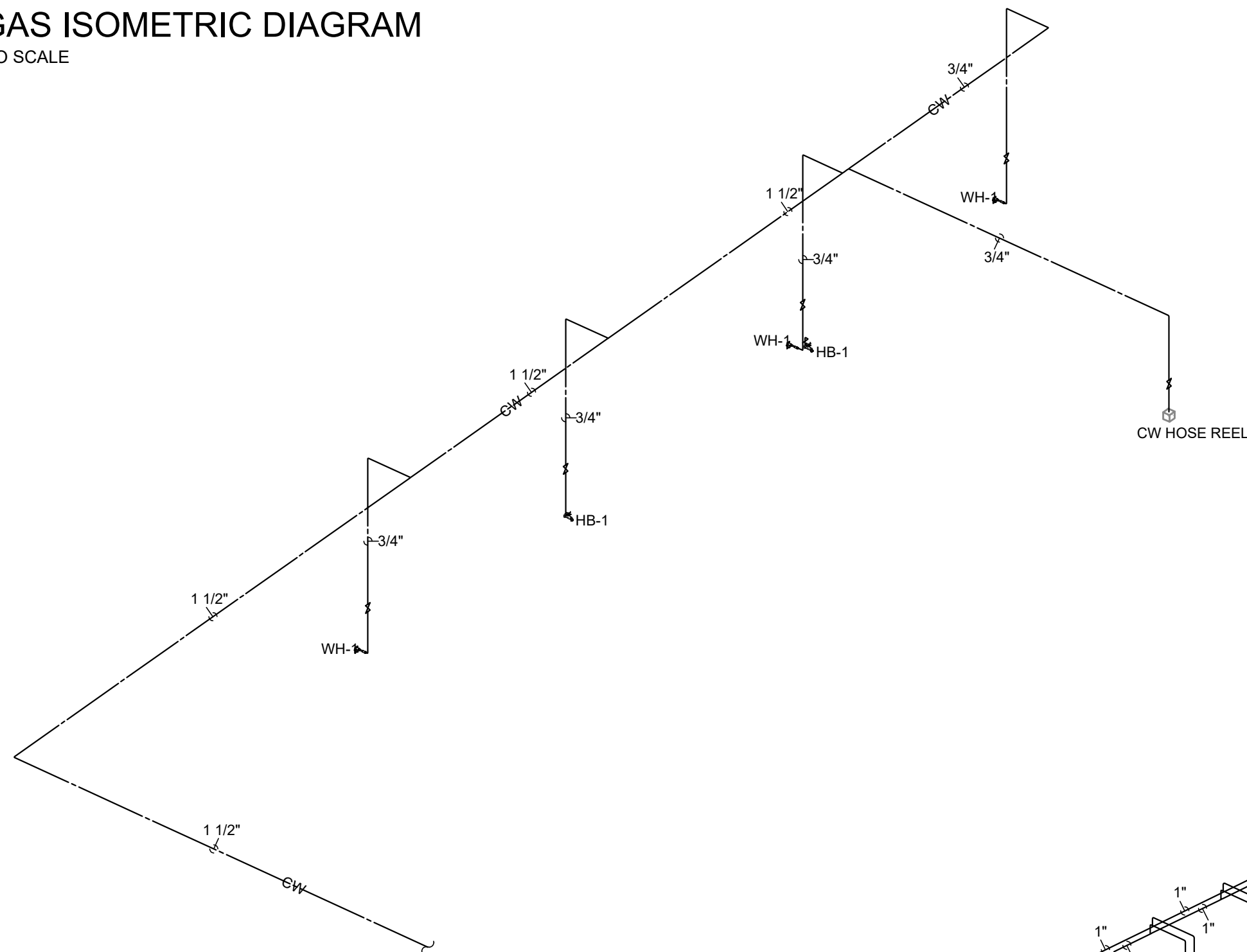
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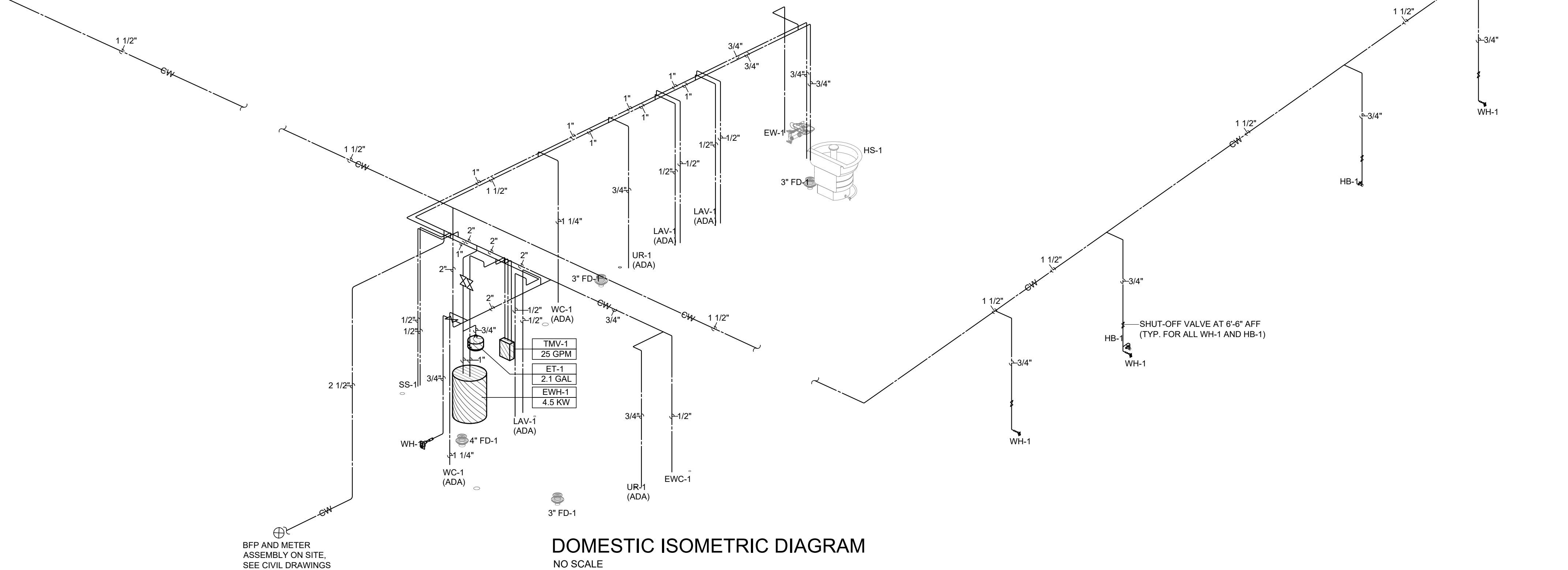


GAS LOAD SUMMARY			
TOTAL EQUIVALENT LENGTH OF GAS PIPING (LF)		170	
DESIGN PRESSURE REQUIRED AFTER METER		14" W.C.	
PRESSURE DROP		0.5	
SPECIFIC GRAVITY		0.6	
EQUIPMENT TAG	DESCRIPTION	QTY	GAS INPUT (CFH)
GUH 1		1	30
GUH 2		1	30
GUH 3		1	30
GUH 4		1	30
GUH 5		1	30
MAU 1		1	1127
RTU 1		1	108
TOTAL CONNECTED GAS LOAD:			1385

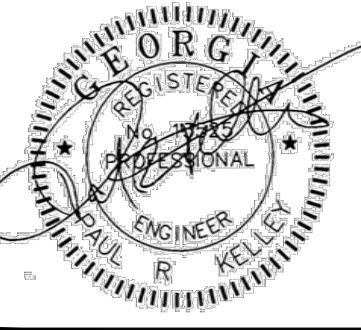
GAS ISOMETRIC DIAGRAM
NO SCALE



SANITARY ISOMETRIC DIAGRAM
NO SCALE



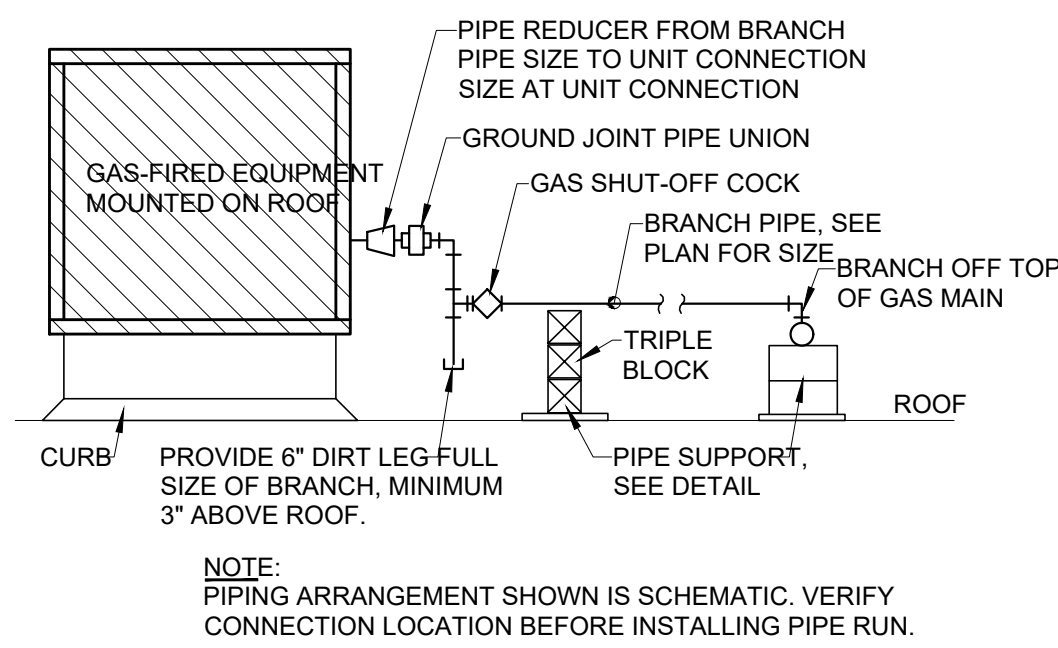
DOMESTIC ISOMETRIC DIAGRAM
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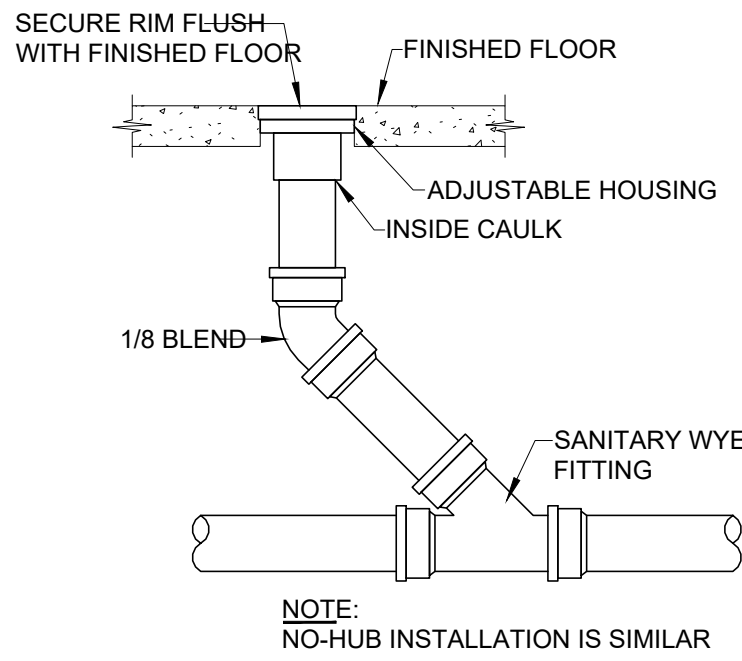
REVISIONS	

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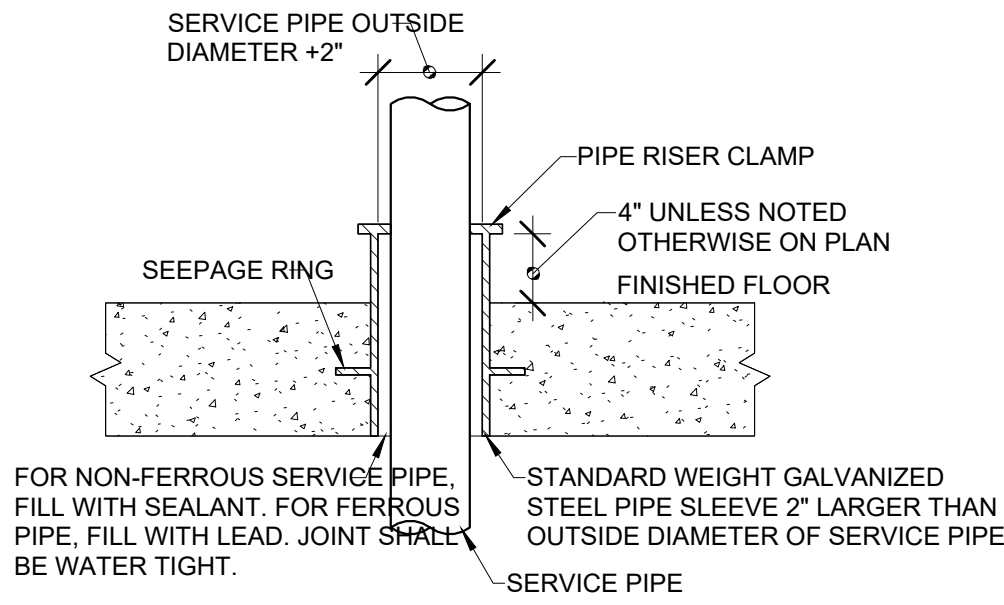
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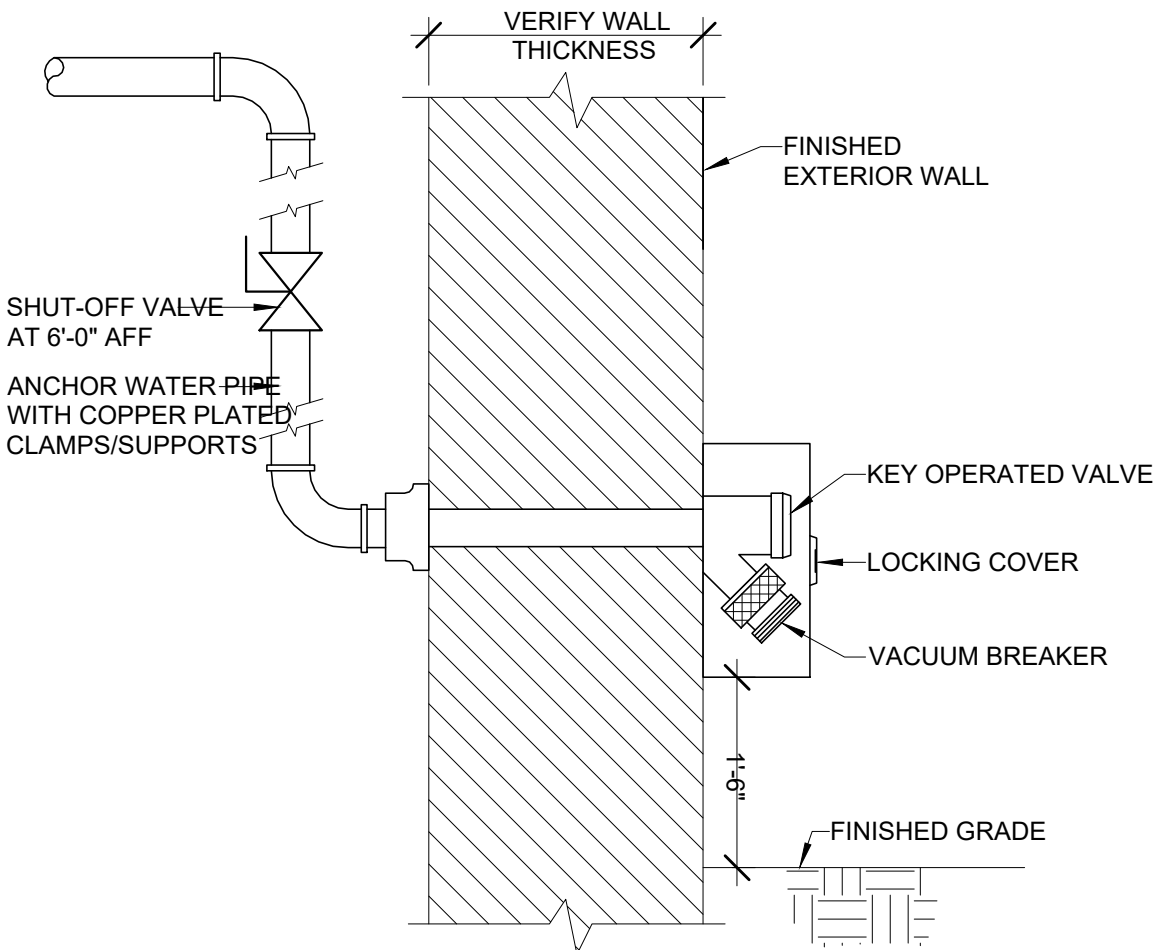
GAS EQUIPMENT CONNECTION DETAIL
NO SCALE



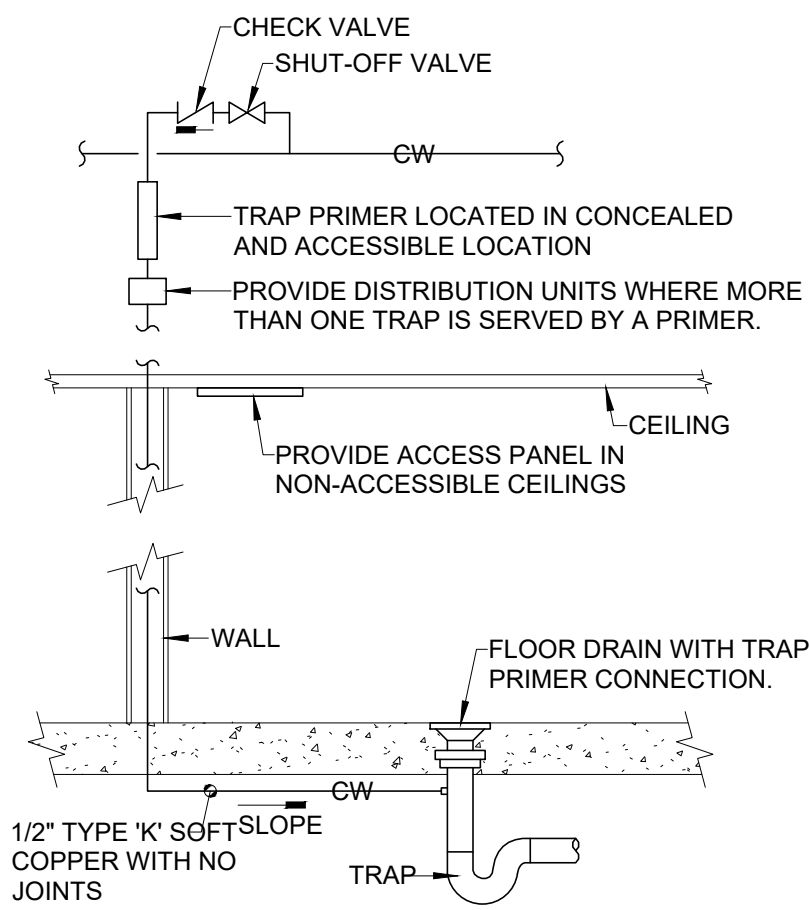
FLOOR CLEANOUT DETAIL
NO SCALE



PIPE FLOOR SLEEVE DETAIL
NO SCALE

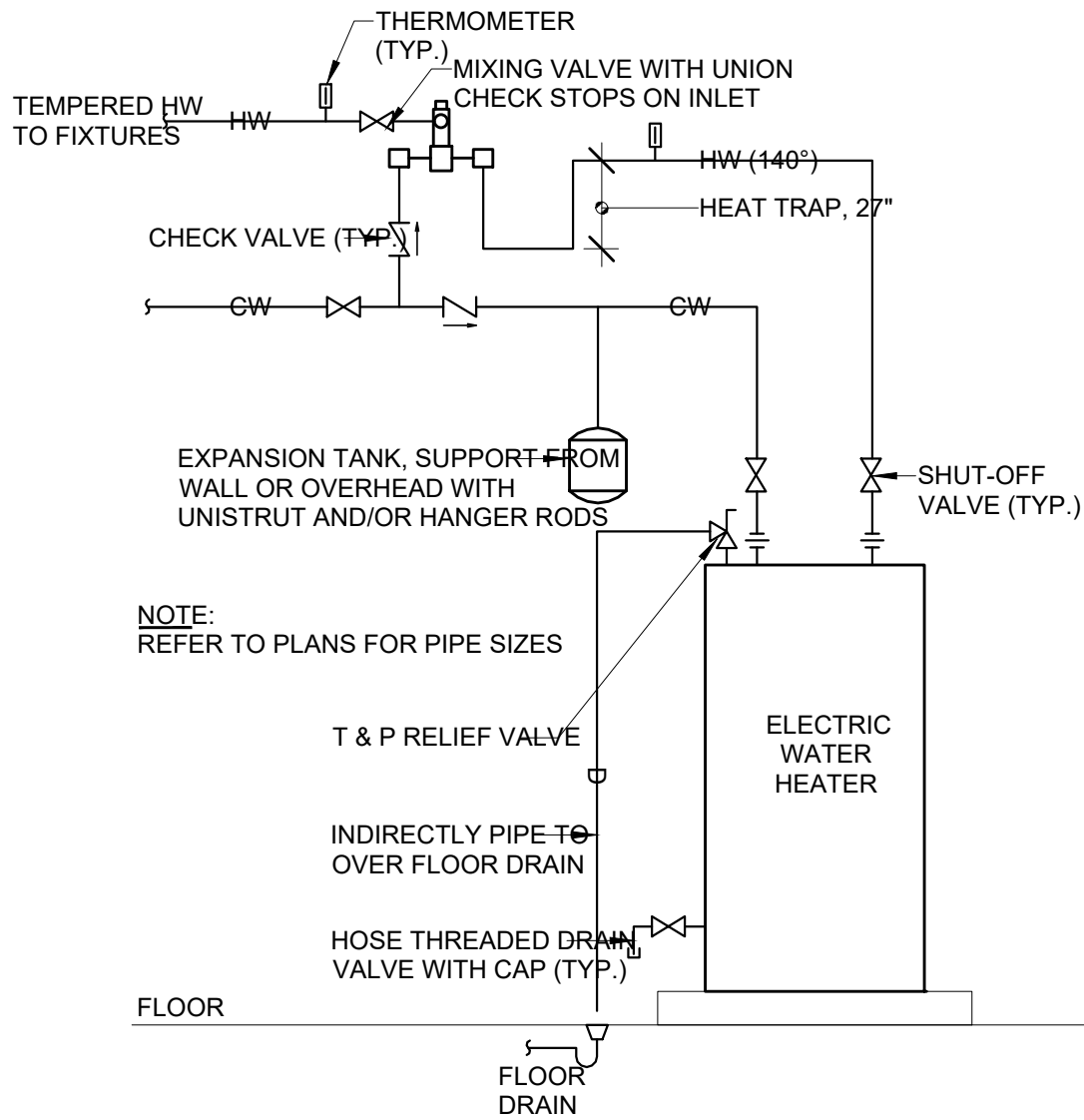


WALL HYDRANT DETAIL
NO SCALE



NOTES:
1. ALL FLOOR DRAINS AND FLOOR SINKS TO BE PROVIDED WITH TRAP PRIMER.
2. OPERATING RANGE OF TRAP PRIMER IS 35 TO 75 PSIG.

TRAP PRIMER DETAIL
NO SCALE



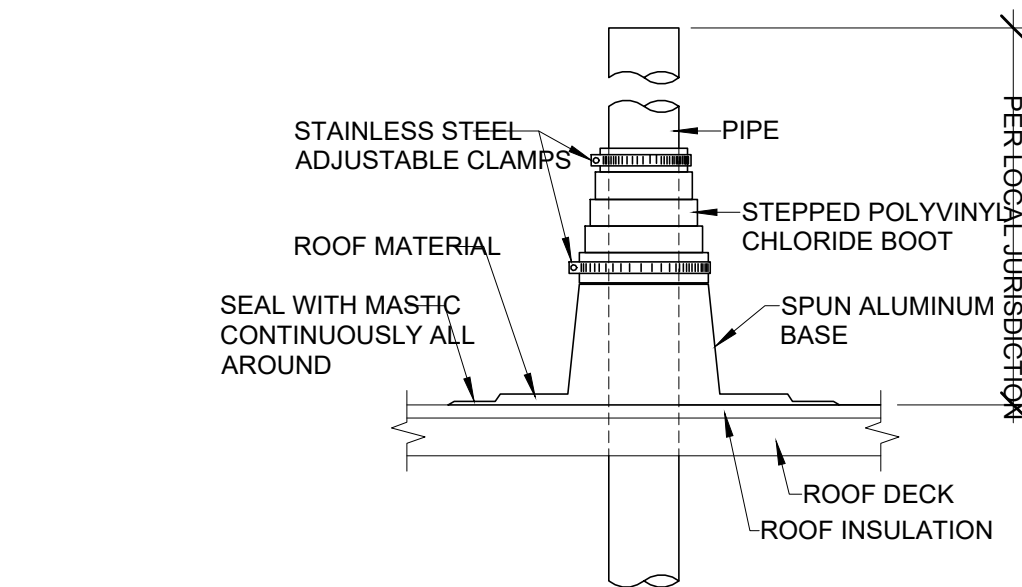
WATER HEATER DETAIL
NO SCALE

PLUMBING FIXTURE CONNECTION SCHEDULE									
MARK	QTY	MANUFACTURER	MODEL	CW/HW SAN/VENT			DESCRIPTION		
WATER CLOSET									
WC-1 (ADA)	2	ZURN	Z5615-BWL	1-1/4"	-	4"	2"	VITREOUS CHINA, ELONGATED BOWL, TOP SPUD, SIPHON JET FLUSH ACTION, 1/28 GPF, WALL MOUNTED, ZURN AQUASENSE SENSOR OPERATED BATTERY POWERED FLUSH VALVE, ZURN Z5655SSEL HEAVY DUTY PLASTIC, OPEN FRONT SEAT WITH STAINLESS STEEL CHECK HINGE. FIXTURE TO CONFORM TO ADA REQUIREMENTS.	
LAVATORY									
LAV-1 (ADA)	3	KOHLER	BACHATA K-2609-SU	1/2"	1/2"	1-1/2"	1-1/2"	VITREOUS CHINA, OVER UNDERMOUNT SELF-RIMMING LAVATORY. KOHLER MODEL S53-3100 AND 6-3100 CRESTT SERIES DECK MOUNTED POLISHED CHROME SENSOR OPERATED BATTERY POWERED FAUCET AND SOAP DISPENSER, 0.5 GPM, GRID DRAIN AND TAILPIECE.	
URINAL									
UR-1 (ADA)	2	ZURN	Z5755-U	3/4"	-	2"	1-1/2"	VITREOUS CHINA, WALL MOUNTED, ELONGATED RIM, 2" DRAIN, ZURN ZER6003AV-ULF-TM SENSOR OPERATED BATTERY POWERED FLUSH VALVE, 0.125 GPF. MOUNT FIXTURE AT HANDICAP HEIGHT.	
SINK									
HS-1	1	BRADLEY	WF2703-A-STD-F-MMV-LSD	3/4"	3/4"	2"	1-1/2"	WALL MOUNTED, STAINLESS STEEL, 36" SEMI-CIRCULAR, STANDARD HEIGHT, FOOT CONTROL VALVE, MANUAL MIXING VALVE, LIQUID SOAP DISPENSER.	
WATER COOLER									
EW-C-1	1	OASIS	MMSL	1/2"	-	1-1/2"	1-1/2"	B LEVEL WITH ROOF MOUNT COOLER, STAINLESS STEEL FINISH	
EMERGENCY EYE WASH									
EW-1	1	BRADLEY	S19 224 SC	1/2"	-	1-1/2"	1-1/2"	HALO® WALL MOUNTED EYE WASH WITH BOWL DUST COVER AND PUSH HANDLE ACTIVATION	
SERVICE SINK									
SS-1	1	MOEN	FLORESTONE MSR-2424	3/4"	3/43"	1-1/2"	MOLDED STONE BASIN WITH TILING FLANGES, STAINLESS STEEL SPLASH PANELS, MOP HANGER, HOSE WITH WALL HOOK, 3" DRAIN WITH DOME STRAINER AND LINT BASKET, CHICAGO MODEL 897 FAUCET WITH VACUUM BREAKER SPOUT, ADJUSTABLE WALL BRACE, PAIL HOOK AND 3/4" HOSE THREAD OUTLET.		
HYDRANT									
WH-1	8	WOODFORD	MODEL 68	3/4"	-	-	-	CONCEALED, CHROME PLATED QUARTER TURN NON-FREEZE HYDRANT WITH 3/4" HOSE CONNECTION, BACKER PLATE, VACUUM BREAKER, "T" HANDLE KEY.	
HOSE BIBB									
HB-1	4	CHICAGO	952	3/4"	-	-	-	EXPOSED INTERIOR HOSE BIBB, 3/4" HOSE THREAD, INTERNAL VACUUM BREAKER, REMOVABLE "T" HANDLE, POLISHED CHROME FINISH.	
FLOOR DRAIN									
FD-1	4	J.R. SMITH	2205	-	-	SEE PLANS	SEE PLANS	DUCO CAST IRON BODY WITH FLASHING COLLAR AND ADJUSTABLE ROUND NICKEL BRONZE STRAINER HEAD, TRAP PRIMER CONNECTION.	
CLEANOUT									
FCO 2		J.R. SMITH	4020	-	-	SEE PLANS	-	DUCO CAST IRON CLEANOUT WITH ROUND ADJUSTABLE SCORIATED SECURED NICKEL BRONZE TOP.	
GCO 1		J.R. SMITH	4250	-	-	SEE PLANS	-	DUCO CAST IRON CLEANOUT AND DOUBLE FLANGED HOUSING WITH HEAVY DUTY SECURED SCORIATED CAST IRON COVER WITH LIFTING DEVICE.	

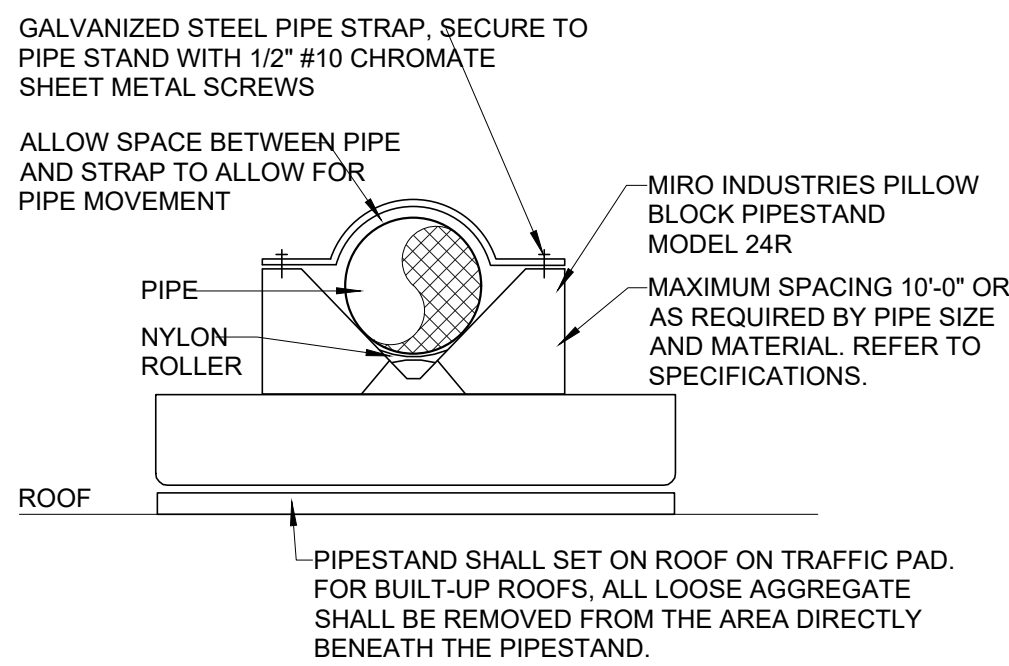
ELECTRIC WATER HEATER SCHEDULE									
REMARKS: 1. RECOVERY RATE BASED ON 40°F ENTERING WATER TEMPERATURE									
MARK	STORAGE CAPACITY (GAL)	STORAGE TEMPERATURE (°F)	RECOVERY RATE (GPH)	NUMBER OF ELEMENTS	ELECTRICAL (KW/VOLT/PH/MCA/MOCP)	MANUFACTURER MODEL	WEIGHT FULL (LBS)	REMARKS	
EW-H-1	30	140	36	2	4.5/208/1/43.2/60	A.O. SMITH DEN-30	350	1	

EXPANSION TANK SCHEDULE								
REMARKS:								
MARK	SERVICE	TYPE	STORAGE CAPACITY	SIZE (Ø" x L")	MANUFACTURER	RER MODEL	WEIGHT (LBS)	REMARKS
ET-1	EW-H-1	DIAPHRAGM	2.1 GAL	10"ø x 10"H	AMTROL	ST-5C	5	-

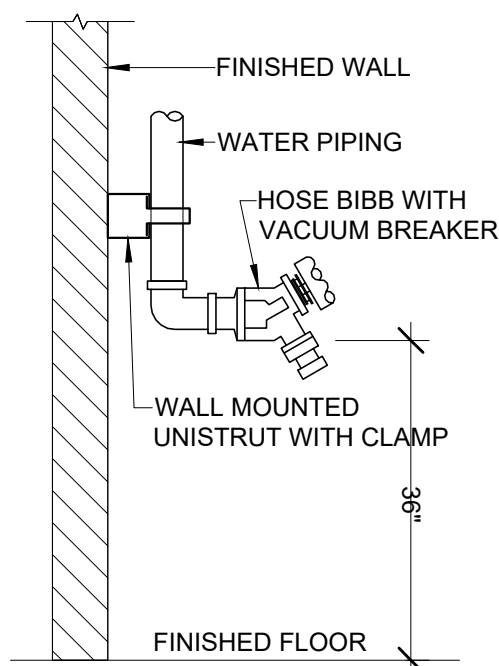
MIXING VALVE SCHEDULE							
REMARKS: 1. PROVIDE AT ALL HAND SINKS, LAVATORIES, AND EYEWASH 2. INTEGRAL RECIRCULATION SYSTEM RETURN MANIFOLD							
MARK	SERVICE	TYPE	GPM	PRESSURE INLET TEMP. DROP (°F)	OUTLET TEMP. (°F)	MANUFACTURER MODEL	REMARKS
TMV 1	EW-H	THERMOSTATIC	25	45	40 / 140	120	LEONARD TM-26-LF 2
TMV 2	POINT-OF-USE	THERMOSTATIC	0.5	5	40 / 120	95	LEONARD 170-LF 1



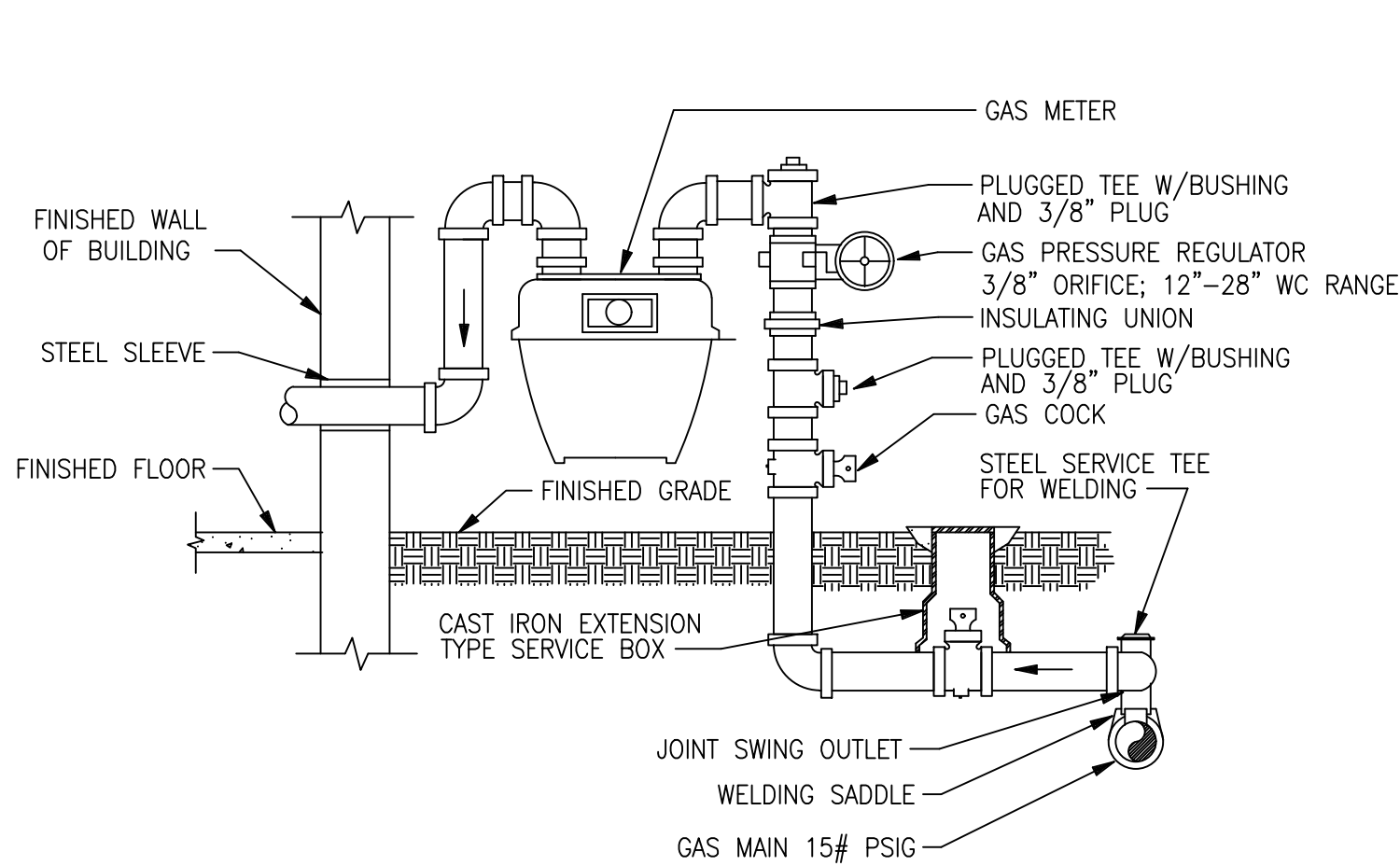
VENT THROUGH ROOF DETAIL
NO SCALE



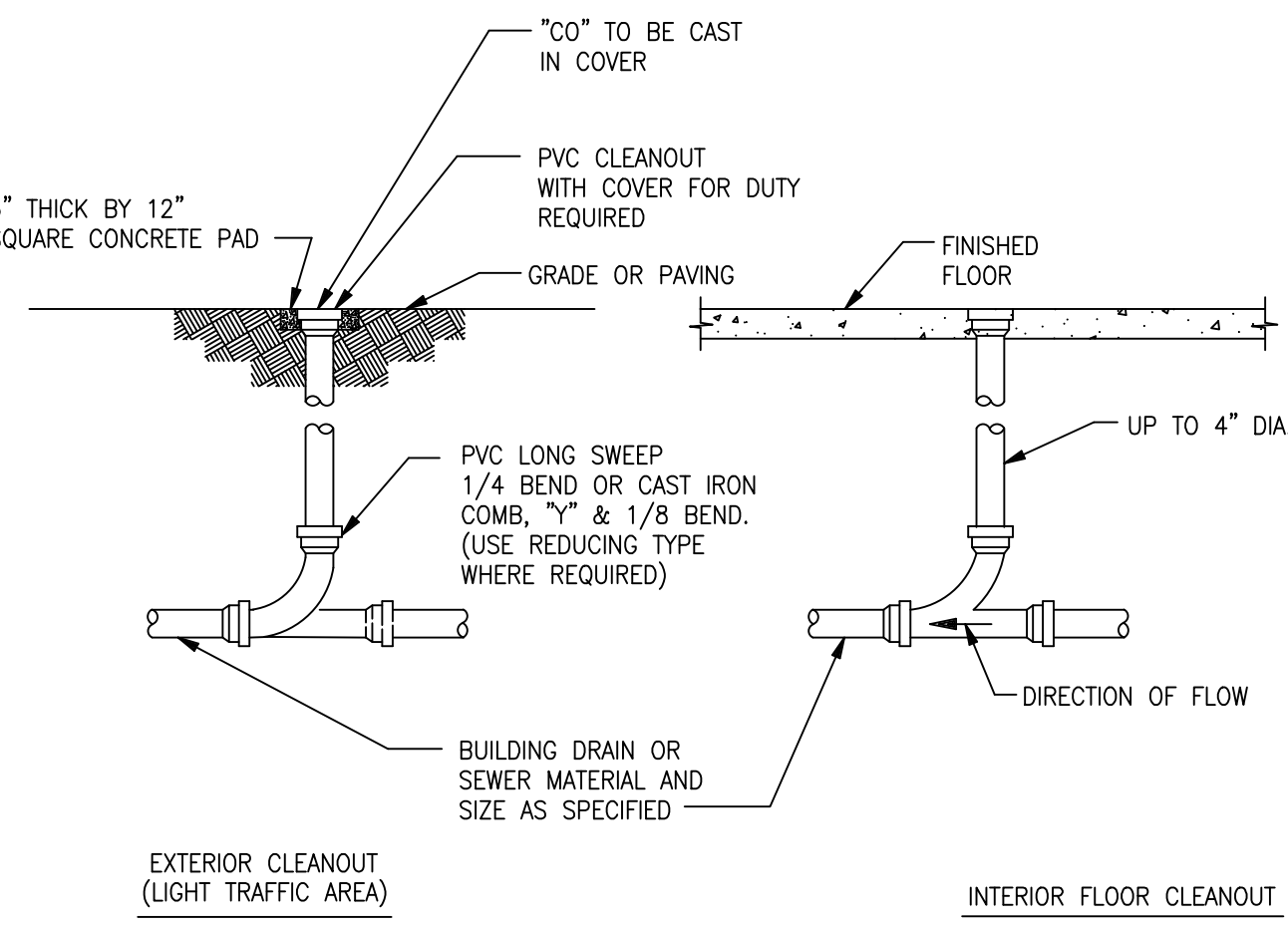
ROOFTOP PIPE SUPPORT DETAIL
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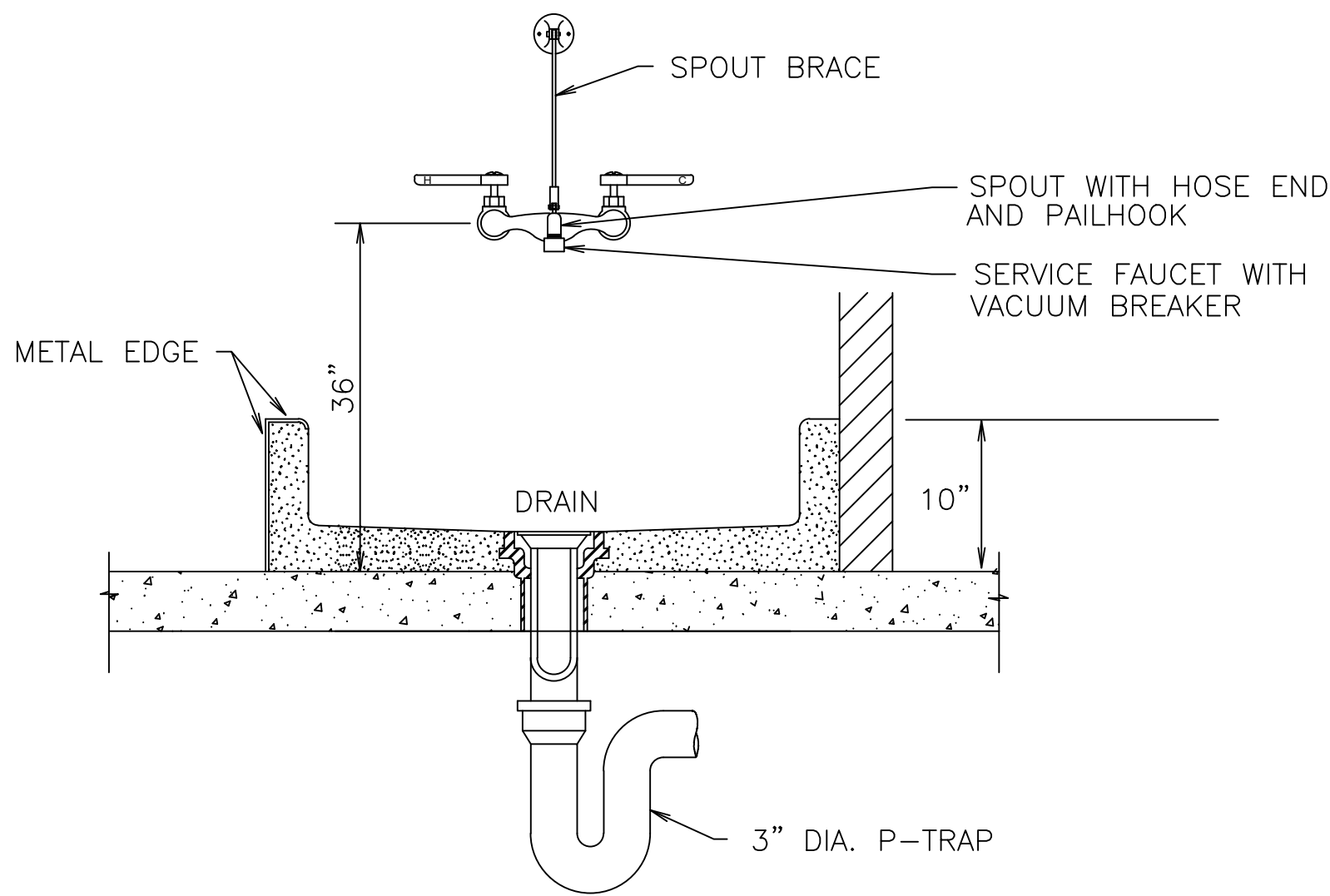
WALL MOUNTED HOSE BIBB DETAIL
NO SCALE



DETAIL - GAS SERVICE ENTRANCE
NOT TO SCALE

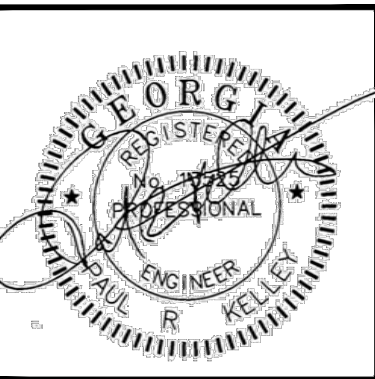


DETAIL - GCO/FCO CLEANOUT
NOT TO SCALE



MOP SINK DETAIL
N.T.S.

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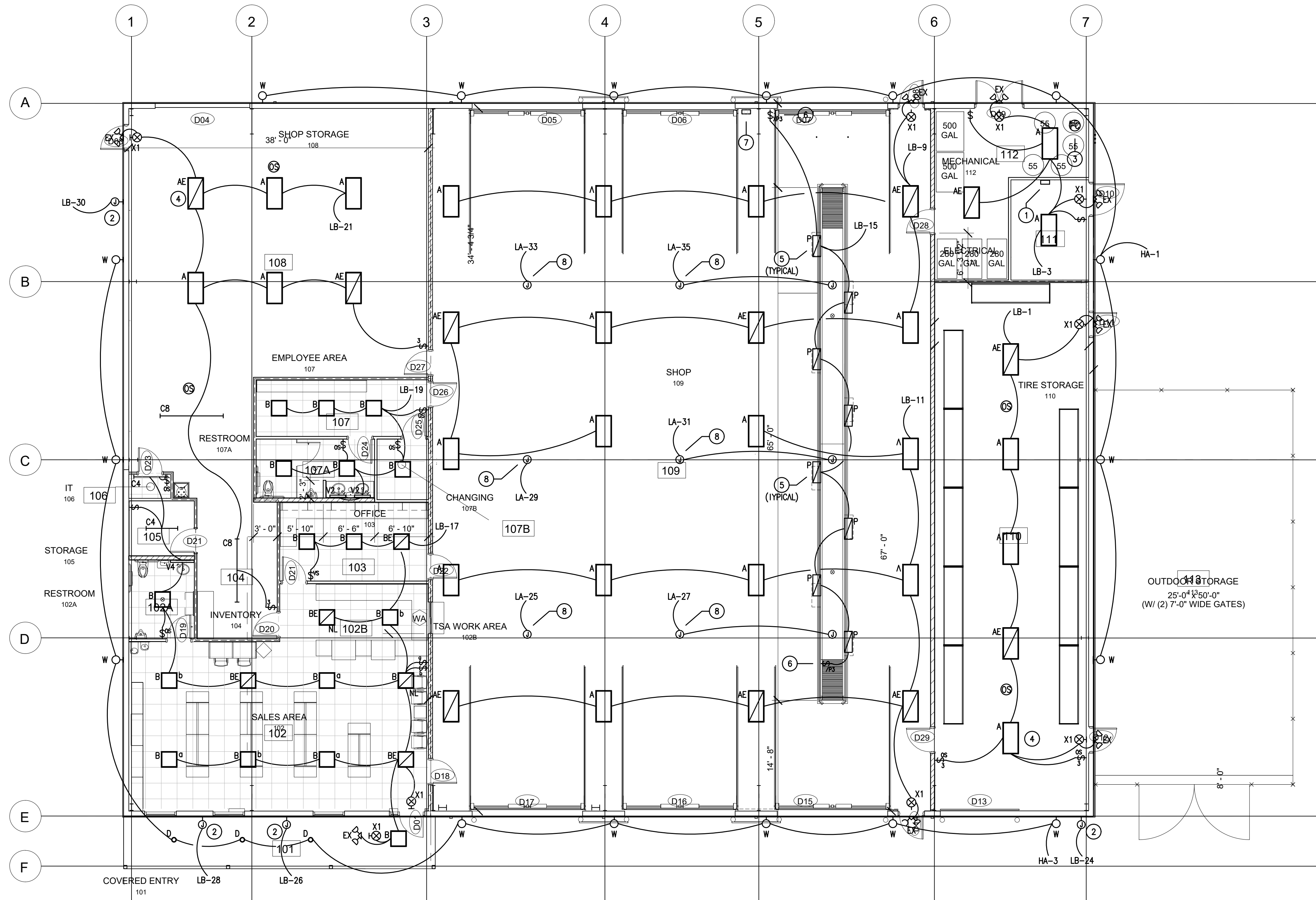
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JOB TITLE

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391 ROCKHOUSE ROAD E
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Sheet Number

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1 LIGHTING PLAN
ET101
SCALE: 1/8" = 1'-0"

GENERAL LIGHTING PLAN NOTES

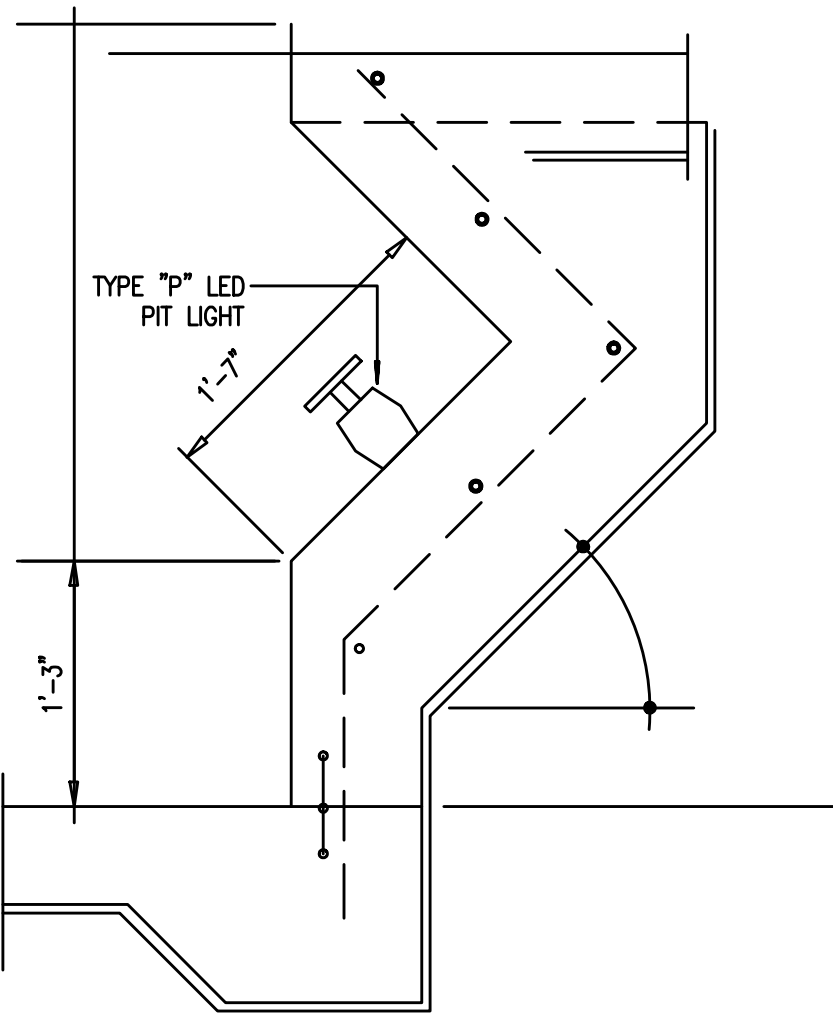
1. ALL EXIT SIGNS, EMERGENCY LIGHTING BATTERY PACKS, EMERGENCY LUMINAIRES (ON GENERATOR OR EMERGENCY LIGHTING BATTERY PACKS INTEGRAL TO LUMINAIRE), AND NIGHT LIGHTS (DENOTED "NL") SHALL BE CONNECTED TO THE LOCAL LIGHTING CIRCUIT AHEAD OF ANY CONTROLS SUCH AS: SWITCHES (DEVICE), OCCUPANCY SENSORS AND/OR RELAY CONTROLS.
2. EXACT LOCATION OF ALL LUMINAIRES, AND EXACT MOUNTING HEIGHT OF ALL PENDANT MOUNTED LUMINAIRES SHALL BE COORDINATED WITH ARCHITECTURAL DRAWINGS PRIOR TO ANY ROUGH-INS.
3. MINIMUM CONDUCTOR SIZE FOR 277 VOLT 20 AMP BRANCH CIRCUITS SHALL BE 12-AWG. FOR BRANCH CIRCUITS OVER 150 LINEAR FEET MINIMUM WIRE SIZE SHALL BE 10-AWG.
4. MINIMUM CONDUCTOR SIZE FOR 120 VOLT 20 AMP BRANCH CIRCUITS SHALL BE 12-AWG. FOR BRANCH CIRCUITS OVER 100 LINEAR FEET, A MINIMUM WIRE SIZE SHALL BE 10-AWG.
5. ALL WIRING SHALL BE IDENTIFIED BY PANELBOARD AND CIRCUIT NUMBER(S) IN ALL CABINETS, JUNCTION BOXES, WIRING TROUGHS, ENCLOSURES, SPLICE OR TERMINATION POINTS, ETC.
6. A NEW TYPED PANELBOARD DIRECTORY CARD SHALL BE PROVIDED FOR ALL PANELS INSTALLED OR MODIFIED UNDER THIS CONTRACT. NEW DIRECTORY CARDS SHALL BE LOCATED ON THE INSIDE DOOR OF ASSOCIATED PANELS.

CODED PLAN NOTES

- 1 LIGHTING CONTACTORS WITH PHOTOCELL CONTROL FOR SIGNAGE, REFER TO LIGHTING CONTROL DIAGRAM ON SHEET E-T 601 FOR MORE INFORMATION.
- 2 WEATHERPROOF JUNCTION BOX FOR EXTERIOR BUILDING SIGNAGE. COORDINATE EXACT LOCATION WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN. CIRCUIT SHALL BE WIRED VIA "TC".
- 3 EXTERIOR PHOTOCELL FOR SIGNAGE CONTROL. COORDINATE LOCATION ON ROOF WITH G.C.
- 4 FIXTURE MOUNTED AT 18'-0" A.F.F. TO BOTTOM OF FIXTURE TO CLEAR DOOR.
- 5 TYPE "P" PIT LIGHTS ARE TO BE MOUNTED AT AN ANGLE, RECESSED IN PIT. REFER TO DETAIL 2 ON THIS SHEET. COORDINATE RECESS DESIGN PRIOR TO ROUGH-IN.
- 6 PIT LIGHTS ARE TO BE CONTROLLED BY THREE-WAY SWITCHES - A WALL MOUNTED SWITCH AT ONE END AND AN EXPLOSION-PROOF (CLASS 1 DIVISION 1) SWITCH INSIDE THE PIT AT THE STAIRS AT THE FAR END.
- 7 WALL MOUNTED 1,000 VA EMERGENCY INVERTER AT 8'-0" A.F.F. TO POWER ALL PIT LIGHTS FOR EMERGENCY LIGHTING. CONNECT TO PIT LIGHTING CIRCUIT AND PROVIDE TWO INTERNAL 15A CIRCUIT BREAKERS TO SEPARATELY POWER EACH RUN OF PIT LIGHTS.
- 8 INDUSTRIAL FAN "POWERFOIL 8 - PFB-08" (120V-1Ø, 1.0HP) PROVIDE JUNCTION BOX MOUNTED AT CEILING FOR POWER. WIRING SHALL BE 2-12 AWG, 1-12 AWG (6), IN 3/4" CONDUIT. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH G.C. PRIOR TO ROUGH-IN. COORDINATE CONTROLS WITH VENDOR.

RACEWAY NOTE:

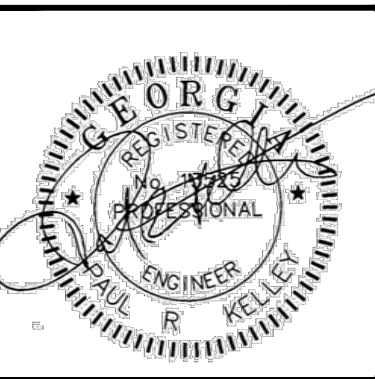
ALL WIRING SHALL BE RUN IN EMT CONDUIT (3/4" MINIMUM). MC CABLING FOR 20A RECEPTACLE CIRCUITS IS ALLOWABLE ONLY IN STUD WALLS. ALL CONDUIT SHALL BE RUN TIGHT TO BOTTOM OF ROOF STRUCTURE. CONDUIT SHALL NOT BE RUN BELOW/ON BOTTOM OF STRUCTURAL BEAMS.



2 TYPICAL PIT LIGHTING DETAIL
ET101
SCALE: NOT TO SCALE

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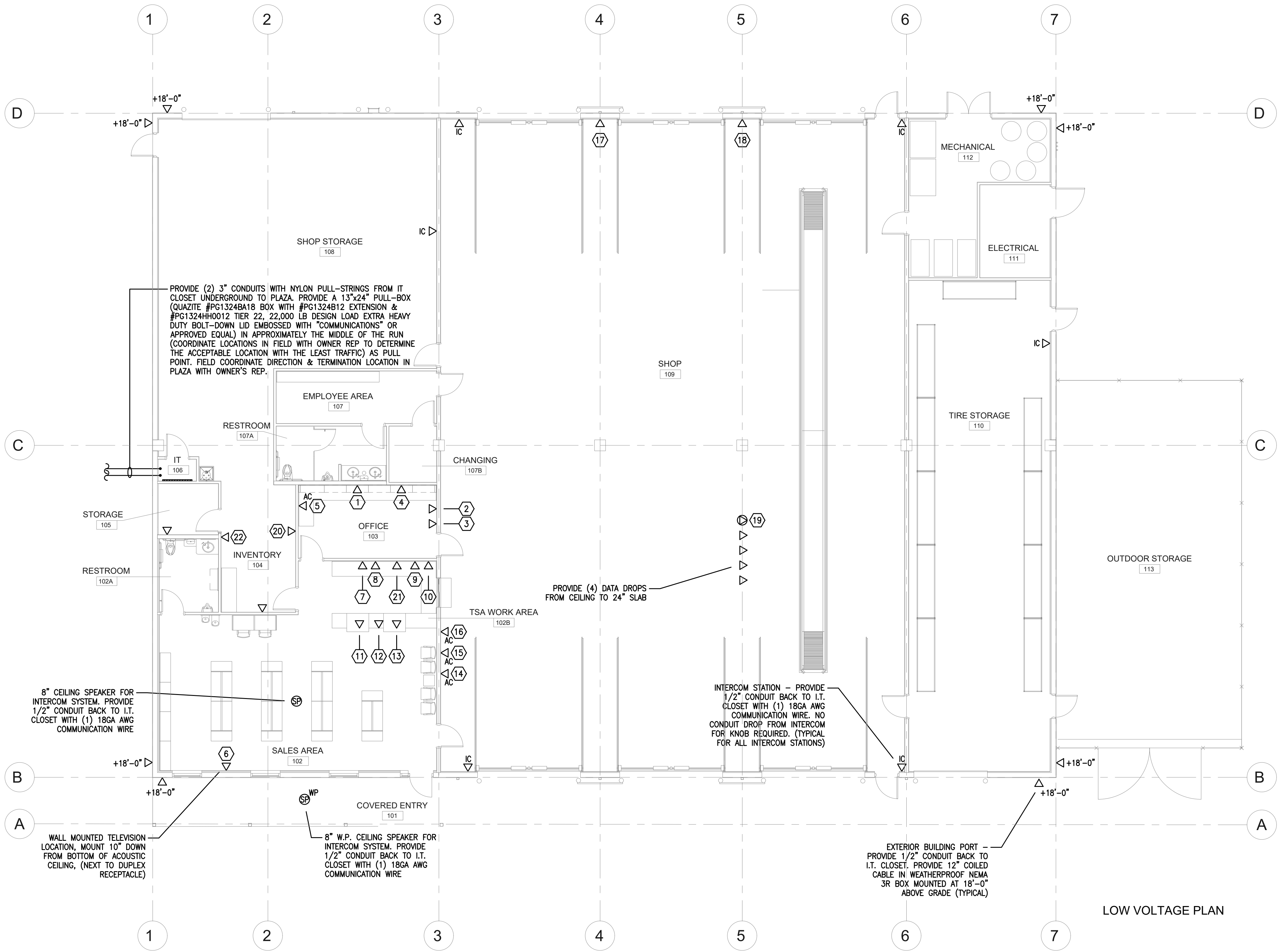
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1 LOW VOLTAGE PLAN
SCALE: 1/8" = 1'- 0"

GENERAL LOW VOLTAGE PLAN NOTES

- CATEGORY 6 PLENUM RATED CABLE TO BE USED FOR ALL VOICE AND DATA RUNS.
- ALL VOICE/DATA OR VOICE/DATA/ANALOG COMBINATIONS WILL USE THE SAME CONDUIT DROP AND BOX UNLESS NOTED OTHERWISE.
- ALL RUNS ARE TO BE TESTED, CERTIFIED, AND LABELED.
- LABELING REQUIREMENTS TO BBE SUPPLIED BY TA FOR CABLE RUNS, PATCH PANELS, AND WALL PLATES.
- DATA CABLES WILL ALL TERMINATE TO PATCH PANELS (SUPPLIED BY TA) USING A 568B CONNECTION.

DROP BOX LEGEND

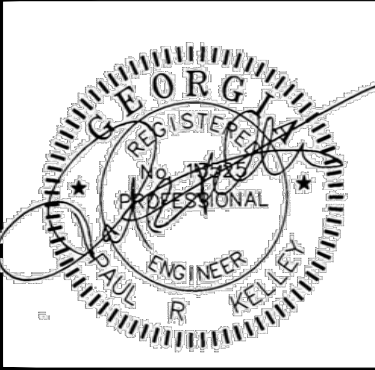
BOX PRINT #	LOCATION	# OF CABLES	CONDUIT SIZE	ID
1	SHOP MGR	2	2-1/2"	A
2	SHOP MGR	2	2-1/2"	A
3	SHOP COUNT	2	2-1/2"	A
4	SHOP COUNT	2	2-1/2"	A
5	PARTS ROOM	2	3/4"	
6	MEDIA TV	1	1/2"	
7	POS REAR	2	2-1/2"	B
8	POS REAR	2	2-1/2"	B
9	POS REAR	4	2-1/2"	B
10	POS REAR	4	2-1/2"	B
11	POS FRONT	4	2-1/2"	B
12	POS FRONT	4	2-1/2"	B
13	POS FRONT	4	2-1/2"	B
14	TECH WINDOW	1	1/2"	
15	TECH WINDOW	1	1/2"	
16	TECH WINDOW	1	1/2"	
17	TECH BAY	1	1/2"	
18	TECH BAY	1	1/2"	
19	WIRELESS AP	1	1/2"	
20	VEEDER ROOT	1	1/2"	
21	MENU BOARD	1	1/2"	

** BOX 1-4 FEED IN ONE 2-1/2" CONDUIT BACK TO I.T. ROOM.
** BOX 7-13 FEED IN ONE 2-1/2" CONDUIT BACK TO I.T. ROOM.

RACEWAY NOTE:

ALL WIRING SHALL BE RUN IN EMT CONDUIT (3/4" MINIMUM). MC CABLING FOR 20A RECEPTACLE CIRCUITS IS ALLOWABLE ONLY IN STUD WALLS. ALL CONDUIT SHALL BE RUN TIGHT TO BOTTOM OF ROOF STRUCTURE. CONDUIT SHALL NOT BE RUN BELOW/ON BOTTOM OF STRUCTURAL BEAMS.

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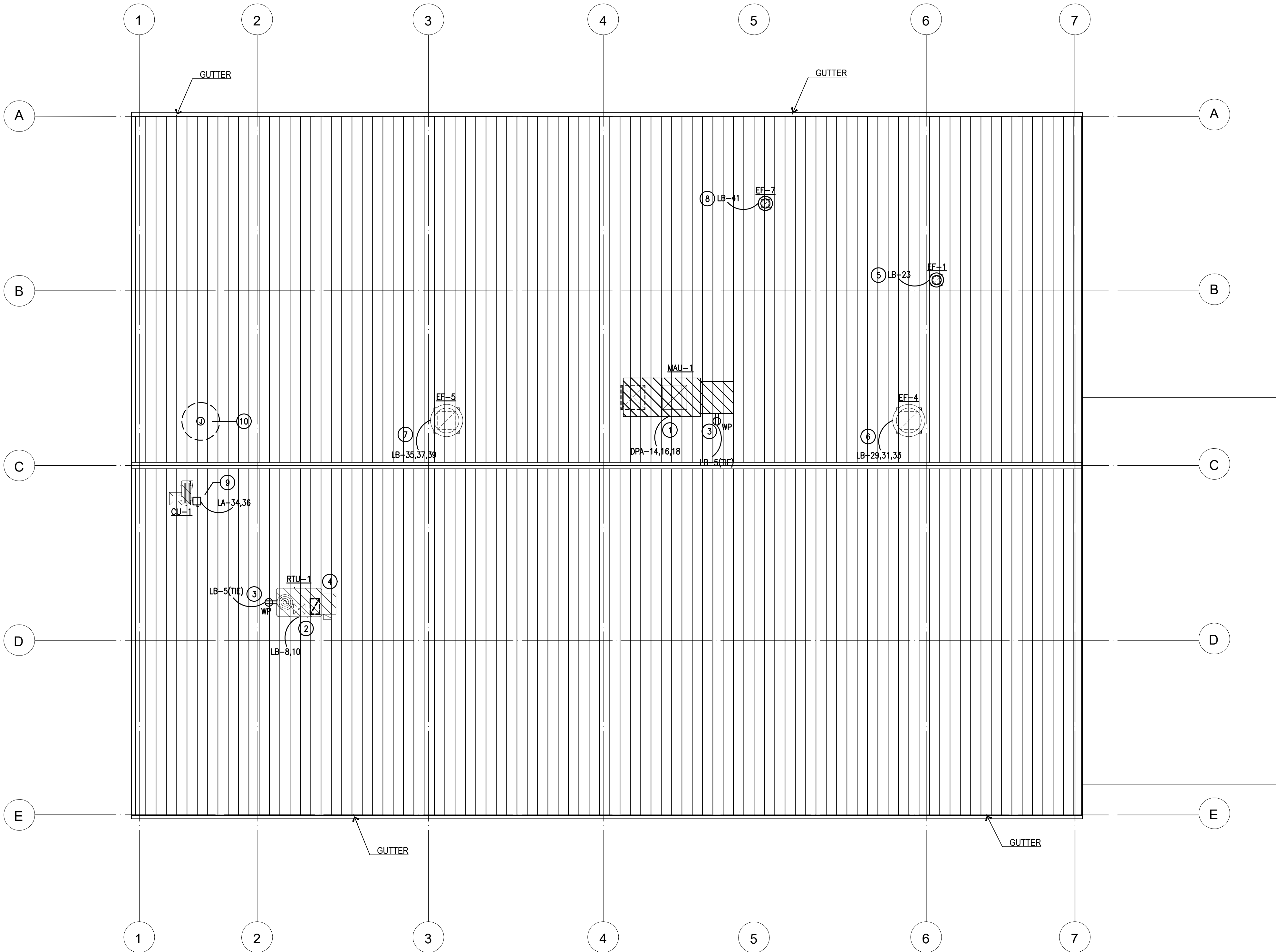
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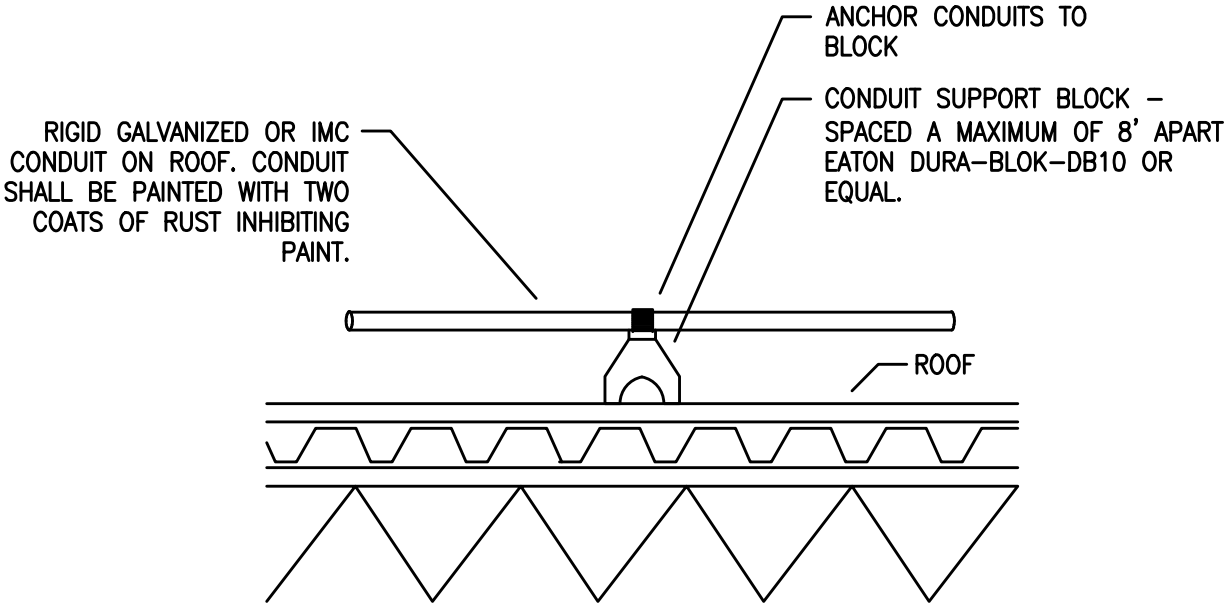


GENERAL POWER PLAN NOTES

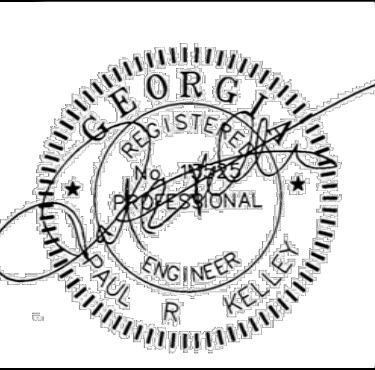
1. EXACT LOCATION OF MECHANICAL, PLUMBING, KITCHEN, FURNITURE SYSTEMS, OWNER FURNISHED EQUIPMENT, ETC. THAT REQUIRE ELECTRICAL CONNECTIONS ARE SHOWN ON THE MECHANICAL, PLUMBING, AND/OR ARCHITECTURAL DRAWINGS. COORDINATE EXACT LOCATIONS WITH RESPECTIVE CONTRACTORS AND/OR VENDORS PRIOR TO ANY ROUGH-INS.
2. PRIOR TO ROUGH-IN, REVIEW AND COORDINATE WITH ALL OTHER TRADES' CONTRACT DOCUMENTS TO DETERMINE SPECIFIC MOUNTING LOCATIONS AND ELECTRICAL REQUIREMENTS (VOLTAGE, PHASE, KW, HP, CONNECTION TYPE, ETC.) FOR HVAC AND PLUMBING EQUIPMENT. COORDINATE EXACT MOUNTING LOCATIONS WITH THE SPECIFIC TRADE AND ARCHITECT.
3. MINIMUM CONDUCTOR SIZE FOR 277 VOLT BRANCH CIRCUITS SHALL BE 12-AWG. FOR 277 VOLT BRANCH CIRCUITS WITH HOMERUNS OVER 150 LINEAR FEET A MINIMUM WIRE SIZE OF 10-AWG SHALL BE PROVIDED FROM FIRST JUNCTION/OUTLET BOX TO BRANCH CIRCUIT PANELBOARD.
4. MINIMUM CONDUCTOR SIZE FOR 120 VOLT BRANCH CIRCUITS SHALL BE 12-AWG. FOR 120 VOLT BRANCH CIRCUITS WITH HOMERUNS OVER 100 LINEAR FEET, A MINIMUM WIRE SIZE OF 10-AWG SHALL BE PROVIDED FROM FIRST JUNCTION/OUTLET BOX TO BRANCH CIRCUIT PANELBOARD. FOR 120 VOLT BRANCH CIRCUITS WITH HOMERUNS OVER 150 LINEAR FEET, A MINIMUM WIRE SIZE OF 8-AWG SHALL BE PROVIDED FROM FIRST JUNCTION/OUTLET BOX TO BRANCH CIRCUIT PANELBOARD.
5. ALL WIRING SHALL BE IDENTIFIED BY PANELBOARD AND CIRCUIT NUMBER(S) IN ALL CABINETS, JUNCTION BOXES, WIRING TROUGHS, ENCLOSURES, SPLICE OR TERMINATION POINTS, ETC.
6. A NEW TYPED PANELBOARD DIRECTORY CARD SHALL BE PROVIDED FOR ALL PANELS INSTALLED OR MODIFIED UNDER THIS CONTRACT. NEW DIRECTORY CARDS SHALL BE LOCATED ON THE INSIDE DOOR OF ASSOCIATED PANELS.

CODED PLAN NOTES

- 1 MAKE-UP AIR UNIT "MAU-1" (208V-3Ø, 59.7 MCA / 100 MOCPP), WIRING SHALL BE 3-1 AWG, 1-6 AWG (G), IN 1-1/2" CONDUIT FROM SIZE 0 COMBINATION STARTER DISCONNECT SWITCH, NEMA 3R MOUNTING ON/AT UNIT. VERIFY REQUIREMENTS WITH NAMEPLATE DATA. MAKE FINAL CONNECTIONS.
- 2 ROOFTOP UNIT "RTU-1" (208V-1Ø, 15.5 MCA / 25 MOCPP), PROVIDE DIRECT CONNECTION TO INTEGRAL DISCONNECT SWITCH, WIRING SHALL BE 2-10 AWG, 1-10 AWG (G), IN 3/4" CONDUIT.
- 3 PROVIDE WEATHERPROOF GFCI TYPE RECEPTACLE MOUNTED ON/AT UNIT, WIRING SHALL BE 2-12 AWG, 1-10 AWG (G), IN 3/4" CONDUIT.
- 4 DUCT SMOKE DETECTOR PROVIDED BY M.C. AND WIRED BY E.C.
- 5 EXHAUST FAN "EF-1" (120V-1Ø, 1/10HP), PROVIDE CONNECTION TO INTEGRAL DISCONNECT SWITCH. FAN TO BE CONTROLLED BY REVERSE ACTING THERMOSTAT, PROVIDE 1/2" CONDUIT AS REQUIRED. COORDINATE REQUIREMENTS WITH M.C.
- 6 EXHAUST FAN "EF-4" (208V-3Ø, 1.5HP), PROVIDE CONNECTION TO INTEGRAL DISCONNECT SWITCH. FAN TO BE CONTROLLED BY SENSORS AND TIMER SWITCH, PROVIDE 1/2" CONDUIT AS REQUIRED, REFER TO MECHANICAL PLANS FOR SENSOR LOCATION. COORDINATE REQUIREMENTS WITH M.C.
- 7 EXHAUST FAN "EF-5" (208V-3Ø, 1.5HP), PROVIDE CONNECTION TO INTEGRAL DISCONNECT SWITCH. FAN TO BE CONTROLLED BY SENSORS AND TIMER SWITCH, PROVIDE 1/2" CONDUIT AS REQUIRED, REFER TO MECHANICAL PLANS FOR SENSOR LOCATION. COORDINATE REQUIREMENTS WITH M.C.
- 8 EXHAUST FAN "EF-7" (120V-1Ø, 1/6HP), PROVIDE CONNECTION TO INTEGRAL DISCONNECT SWITCH. ROUTE THROUGH CONTACTOR SO THAT FAN RUNS CONTINUOUSLY WHEN BUILDING IS OCCUPIED. COORDINATE REQUIREMENTS WITH M.C.
- 9 MINI-SPLIT UNIT "CU-1" (208V-1Ø, 13.0 MCA/15 MOCPP), PROVIDE DISCONNECT SWITCH LOCATED ON/AT UNIT, WIRING SHALL BE 2-12 AWG, 1-12 AWG (G), IN 3/4" CONDUIT. INDOOR UNIT POWERED FROM OUTDOOR UNIT. VERIFY REQUIREMENTS WITH M.C.
- 10 PROVIDE CABLE CONNECTION FROM SATELLITE UNIT ON ROOF TO J-BOX. REFER TO SATELLITE DETAIL ON SHEET E-T 602 FOR MORE INFORMATION. E.C. TO COORDINATE EXACT LOCATION WITH TA FIELD REPRESENTATIVE.



TYPICAL ROOF CONDUIT SUPPORT DETAIL
NO SCALE



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391 ROCKHOUSE ROAD E

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ELECTRICAL SPECIFICATIONS

A. REFERENCES –

1. NFPA 70 – National Electrical Code –Current edition.
2. ADA – American Disabilities Act.
3. NFPA 101 – Life Safety Code National Fire Protection Association, current edition
4. All applicable state and local codes and amendments.
5. Underwriters Laboratories, Inc. Publications
6. American National Standards Institute– ANSI –Current edition
7. ANCI C2 National Electrical Safety Code –Current edition

B. PERFORMANCE REQUIREMENTS

1. Refer to drawings and specifications of other disciplines for additional electrical requirements. Notify architect immediately if conflicts are found.
2. These electrical drawings are schematic in nature and are not to be scaled. Field verify dimensions prior to installation.
3. Contractor shall be responsible for all fees for permits and inspections. Other fees and charges shall be paid by the Owner.
4. Contractor shall coordinate with utilities prior to commencing work.
5. Guarantee:
All equipment and materials furnished and all work performed under this section of the specifications shall be guaranteed to be free of defective materials and workmanship for a period of one year after acceptance of the work by the owner.

C. WORKMANSHIP AND MATERIALS

1. Contractor shall have a permanent office and shall have performed at least three installations of at least 400 amps, 208 volt, 3 phase.
2. Equipment shall be new and installed in accordance with manufacturers recommendations. equipment included in Underwriters Label Service shall bear that label.
3. All apparatus shall fit into the available spaces in the building and must be introduced into the building so as not to cause damage to the structure. All equipment requiring service shall be accessible in accordance with applicable codes.
4. All work necessary to complete the project shall be executed in a thorough, neat and workmanlike manner.
5. Contractor shall keep a complete set of record drawings on site for the duration of the project. All deviations from the plans and specifications shall be indicated on this set. The record set shall be turned over to the Owner at the completion of the project.
6. No asbestos containing materials shall be used.

D. BUILDING WIRE AND CABLE, 600 VOLTS AND LESS –

1. Unless noted otherwise, conductors shall be solid copper for #10 and smaller and stranded copper for #8 and larger installed in continuous conduit system.
2. Insulation shall be type THHN or THWN.
3. Minimum conductor size is #12.
4. Color code shall be as follows: Phase A=Black, Phase B=Red, Phase C=Blue, Neutral=White, Ground=Green. Color shall be indicated by outer jacket if available. If not available, provide tape bands corresponding to color.
5. Terminal lugs:
Use for connecting conductors larger than #10 and for all multiple connections to terminals.
6. Lacing:
All wiring in cabinets, panels, pullboxes, junction boxes are to be neatly laced and held with Ty-Raps.
7. Wire pulling:
Not until conduit system is complete.
8. Type (NM) non-metallic sheathed cable is acceptable as allowed by section 334 of NEC .

E. APPARATUS UNDER OTHER SECTIONS

1. Mechanical Equipment

Provide conduit, fuses, wiring and disconnects where not factory installed.
Provide all starters and contactors except starters integral with equipment.
Other equipment (kitchen,lab,etc.), connect for proper operation and provide any appertenances

F. GROUNDING AND BONDING

1. Driven Ground rods shall be 5/8" X 10' (minimum) copper clad.
 2. Each feeder and branch circuit shall contain a separate grounding conductor whether shown on plans or not. Raceway shall not be used as the ground.
 3. All conduit and enclosures housing electrical equipment shall be grounded per NEC.
- ## G. CONDUIT, COUPLINGS, BOXES AND RACEWAYS
1. Conduit shall be Galvanized Rigid Conduit (GRC) unless noted otherwise below.
 2. EMT is allowed in dry concealed spaces or indoors where not exposed to physical damage. All conduit in utility areas below six feet shall be GRC.
 3. Schedule 80 PVC conduit is allowed where installed below or in slabs or below grade. Buried conduit not under slab shall be encased in three inches (minimum) of concrete. All slab penetrations shall be GRC. No PVC conduit shall be allowed on interior of building.
 4. Flexible metal conduit and cable is allowed for lighting and receptacle branch circuits, and for connections to equipment subject to vibration. Each flexible conduit or cable shall have a separate ground wire. BX cable is not allowed. Where exposed to moisture, liquid-lite, neoprene coated conduit shall be used.
 5. IMC conduit is allowable in lieu of GRC.
 6. Connectors and couplings shall be fabricated with the same materials as the raceway. rigid shall be threaded. EMT shall be split ring compressin type. indenter or set screw types are NOT allowed.
 7. Minimum allowable raceway size is 1/2".
 8. Raceway shall be concealed unless otherwise noted.
 9. Raceway shall be supported within three feet of all connections and every eight feet (maximum) along its entire length.
 10. Threads: cut clean and remove all rough edges, Running threads shll not be used.
 11. Pull Boxes: Specified in NEC.
 12. Connections to Motors: Where over 18"from walls or column, a vertical conduit conduit minimum size 3/4", attached to ceiling and floor with wiring into and from this conduit with flexible conduit and condulets.
 13. Insulating Bushings: on all conduits entering raceways, pull boxes, cabinets, stubs panelboards, switchgear and motor control centers.

14. Insulated throat Connectors: Install on all EMT connections.
15. Conduits in contact with Ground: Coat with two coats of asphaltic paint or use conduit with 20 Mil bonded coat of PVC. All joints shall be recoated after installation.
16. Conduit installed below grade shall be at least 18 inches below grade. Under paved areas, conduit shall be at least 26 inches below grade. Conduit shall be routed clear of shrubs and trees.

17. Provide fire seal whenever conduit penetrates fire rated assemblies.
18. Plugging: all conduits which run from interior to exterior or enter or leave refrigerated spaces shall be sealed to prevent the circulation of air

H. BOXES

General: The approximate location of outlets are shown on the drawings. The exact location shall be determined at the building and by reference to construction drawings.

1. Boxes shall be cast or sheet metal.
2. Junction boxes, outlet boxes and pull boxes shall be sized in accordance with NEC requirements.
3. Hand print panel name and circuit number on the cover of each junction box in permanent ink.
4. Provide outlet boxes for all lighting fixtures, receptacles, switches, communications outlets and other equipment.
5. Boxes shall be securely fastened to building structure and shall not be supported by the conduit entering the box or sheet rock.
6. Mounting Height of Outlet Boxes above floor, to center (unless noted otherwise).
 1. Receptacles and Communications Outlets: 18"
 2. Switches: 42"
 3. Wall mounted exit signs: 12" below ceiling

G. BACKBOARDS

1. Provide 3/4" thick plywood backboards behind all surface mounted panels safety switches and as indicated on drawings. anchor backboards to building structure. Paint with two coats of grey enamel on both sides prior to mounting.

H. NAMEPLATES

1. Provide white core black bakelite nameplates on all panelboards, safety switches and starters. lettering shall be minimum 1/4"all caps.

I. FIRE ALARM SYSTEM

1. General: provide a state of the art supervised fire alarm system as directed by the owner. contractor coordinate the requirements of the fire alarm system with the owner and provide design drawings of the entire system as a part of project submittals. design shall be performed by a NICET certified designer. system shall include but not be limited to:
 - a. fire alarm control panel
 - b. remote annunciator panel
 - c. smoke detectors
 - d. pull stations
 - e. alarm annunciators
 - f. ability to transmit fire signals to local fire department via phone line.when system is complete the contractor shall provide testing to show that the system is fully compliant with design requirements and is fully operational and suitable for the facility.

J. TELEPHONE, DATA, AND TELEVISION SYSTEMS

Provide 1" conduit with pull string to above accessible ceiling only. Where ceiling is inaccessible, route conduit to appropriate communications room. Each outlet location indicated on the plans shall homerun to above ceiling or to communications room. Boxes shall not be wired in series.

K. DISTRIBUTION PANELBOARDS AND LOAD CENTERS

1. General: Provide automatic circuit breaker type panelboards, factory assembled with thermal magnet moulded case circuit breakers of trip ratings as shown on the drawings.
2. Boxes: NEMA 1 ,general purpose and shall have code size side and end gutters, constructed of galvanized code gauge stel. provide without knockouts.
3. Fronts: flush or surface mounted as scheduled. Trim shall be completed with adjustable trim clamps and directory of glass or clear plastic. directory shall be typewritten and shall indicate room number or service as well as use.
4. Buss Assembly Arrangement: Distribution phase sequence type vertically numbered so that no two consecutively single phase poles and/or spaces shall be connected to the same phase for all branch circuits. All current carrying parts shall be plated.
5. Circuit Breakers: Thermal and magnetic molded case quick make quick break, toggle operated, bolted bus bars, internal common trip with all load side connections of the same breaker in the same gutter for multi pole breakers. All breakers shall have interrupting capacity as scheduled on the drawings or not less than 10,000 AIC sym.(22,000 for loadcenters)if not noted. Series rated breakers shall not be used.
6. Contractor shall coordinate with architectural and other trades to ensure adequate mounting space and clearance before beginning work.
7. Manufacturers: Square D, Cutler–Hammer, GE, Siemens

L. SAFETY SWITCHES (DISCONNECTS)

1. Provide Heavy Duty devices rated as shown on plans.
2. Enclosures shall be rated NEMA 3R where exposed to weather.
3. Manufacturers: Square D, Cutler–Hammer, GE, Siemens

M. STARTERS AND CONTACTORS.

1. All line voltage and heater control starters and contactors except as specified by others are to be provided and installed under this section.

N. WIRING DEVICES

1. Devices shall be commercial grade.
2. Provide medium, white nylon device plates.
3. Devices shown adjacent shall be installed under a common device plates
4. Manufacturers: Hubbell, Pass and Seymour, Arrow Hart, or Leviton

O. LIGHTING

1. Emergency battery units shall provide emergency back-up power for 90 minutes (minimum) upon loss of normal power
Unit shall be self contained including charging electronics.
Unit shall have a power on indicator and test switch.
on indicator and test switch.
2. See plans for further specifications.
3. Refer to architectural plans and details for exact locations of light fixtures and equipment.
4. Exit signs and emergency fixtures shall be unswitched unless noted otherwise. Where switched, fixtures shall have an unswitched conductor to sense the loss of normal power.

SPECIFICATIONS

A. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, AND EQUIPMENT FOR COMPLETE ELECTRICAL INSTALLATION.

B. ALL WORK SHALL CONFORM TO REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE AND APPLICABLE STATE AND LOCAL CODES.

C. WORKMANSHIP SHALL BE FIRST QUALITY AND IN ACCORDANCE WITH BEST PRACTICES OF THE TRADE BY SKILLED WORKERS.

D. LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL CO-ORDINATE ACTUAL LOCATIONS WITH OTHER TRADES

E. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL FEES AND PERMITS REQUIRED AND SHALL FURNISH CERTIFICATION OF INSPECTION TO OWNER AT THE COMPLETION OF THE PROJECT

F. MATERIALS SHALL BE NEW AND U.L. APPROVED AND LISTED

G. UNLESS OTHERWISE NOTED, ALL WIRING ABOVE GRADE SHALL BE TYPE THWN OR THHN IN EMT WITH SET-SCREW CONNECTORS. WIRING BELOW SLAB OR GRADE SHALL BE IN RIGID STEEL OR PVC WITH GROUND WIRE. MINIMUM WIRE SIZE SHALL BE #12AWG. ALL WIRE SHALL BE COPPER AND RATED FOR 75 DEGREES C.

H. PANELBOARDS SHALL BE SQUARE-D TYPE NQOB OR APPROVED EQUAL. PROVIDE TYPED PANEL DIRECTORIES IN EACH PANEL.

I. TOGGLE SWITCHES SHALL BE SPECIFICATION GRADE, 20A, 120V HUBBELL CAT #1221-WHI WITH WHITE PLASTIC DEVICE PLATES

J. DUPLEX RECEPTACLES SHALL BE SPECIFICATION GRADE, 20A, 120V, HUBBELL CAT #5262-WHI WITH WHITE PLASTIC DEVICE PLATES

K. LIGHTING FIXTURES AND LAMPS SHALL BE FURNISHED AND INSTALLED AS INDICATED ON THE FIXTURE SCHEDULE ON THE DRAWINGS

L. ALL ELECTRICAL EQUIPMENT AND SYSTEMS SHALL BE TESTED AND ADJUSTED FOR PROPER OPERATION. COMPLETED WIRING SYSTEM SHALL BE FREE OF SHORT CIRCUITS

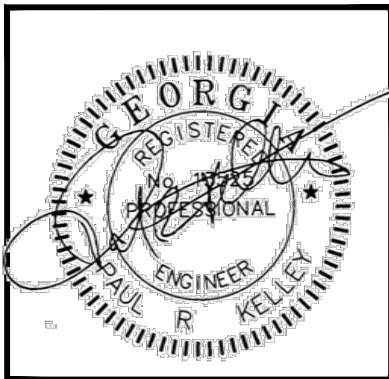
M. PROVIDE CERTIFIED LETTER FOR EACH OF THE FOLLOWING SYSTEMS, THAT THEY HAVE BEEN CHECKED OUT AND ARE FULLY OPERATIONAL:

A. BUILDING ELECTRICAL LIGHTING AND POWER. ALSO INCLUDE IN THIS SECTION A CERTIFICATION BY AN INDEPENDANT REGISTERED ELECTRICAL ENGINEER THAT THE SERVICE GROUNDING SYSTEM FOR EACH SERVICE PANEL HAS BEEN TESTED AND IS WITHIN ACCEPTABLE LIMITS, AND THAT THE VOLTAGE AT EACH SERVICE ENTRANCE PANEL HAS BEEN TESTED AND IS WITHIN ACCEPTABLE LIMITS.

N. CHECK WITH LOCAL AUTHORITIES FOR USE OF RDMEX CABLE. GIVE ALTERNATE PRICE FOR RDMEX CABLE IN LIEU OF CONDUIT.

O. BACK TO BACK RECEPTACLES IN ONE HOUR WALL SHALL BE SEPARATED BY APPROVED FIRE STOP.

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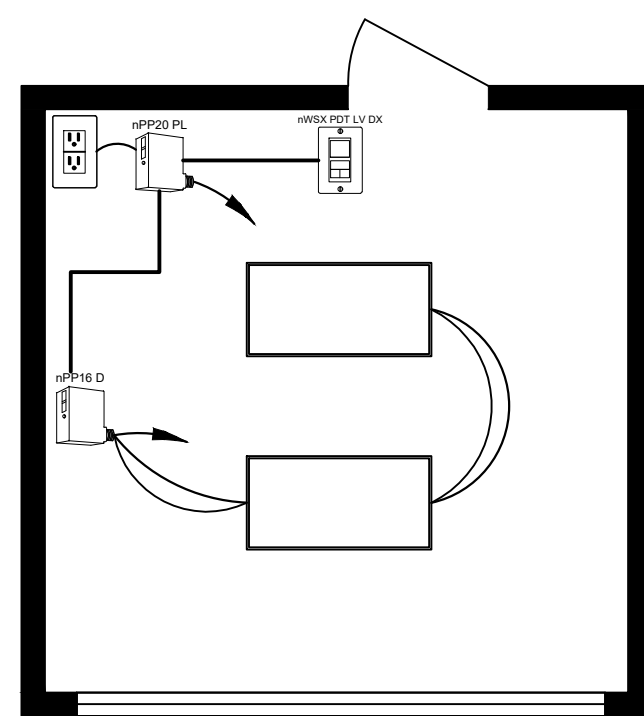
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- ALL LIGHTS ARE DIMMABLE
- ALL FIXTURES ARE CONTROLLED TOGETHER
- MAXIMUM LEVEL CAN BE LIMITED TO 80%

OCCUPANCY
- LIGHTS MUST BE TURNED ON MANUALLY (OR
OPTIONALLY CAN BE CONFIGURED TO COME ON
AUTOMATICALLY TO 50%)
- PLUG LOAD TURNS ON AUTOMATICALLY
- LIGHTS AUTOMATICALLY TURN OFF WHEN
ROOM BECOMES VACANT

- NOT REQUIRED FOR OFFICES WITHOUT WINDOWS OR HAVE SIDE LIT LOAD < 150w

MANUAL
- ON/OFF & RAISE/LOWER CONTROL OF
LIGHTS

- SURFACE OR RECESSED MOUNT
SENSORS ALSO AVAILABLE

- SUBSTITUTE MODEL nPP16D SA FOR DEFAULT MANUAL ON FUNCTIONALITY OR nPP16D PA FOR DEFAULT AUTO-ON TO 50% FUNCTIONALITY
- ROOM CAN BE CONNECTED TO NLIGHT BACKBONE TO ENABLE NETWORK CONTROL INCLUDING TIME BASED CONTROLS AND INTEGRATION WITH BUILDING MANAGEMENT SYSTEMS.

DIAGRAM LEGEND

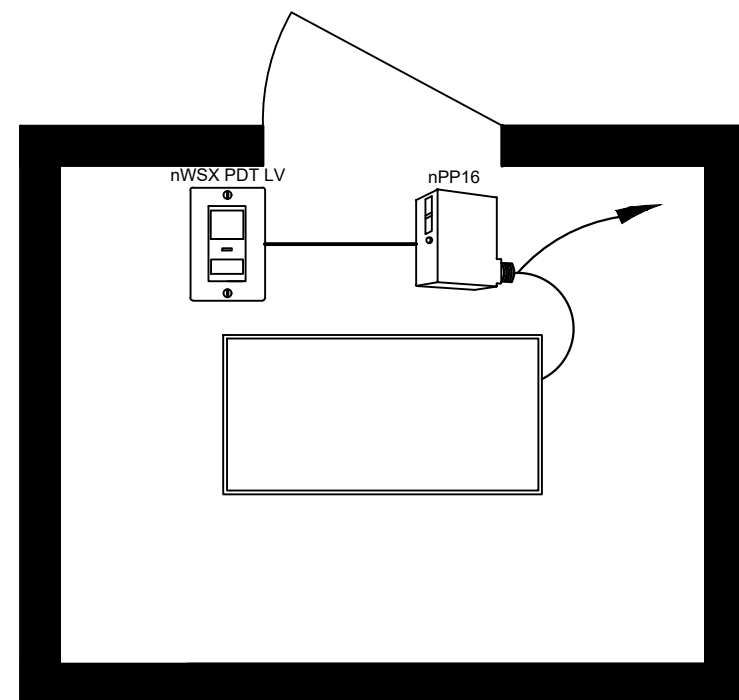
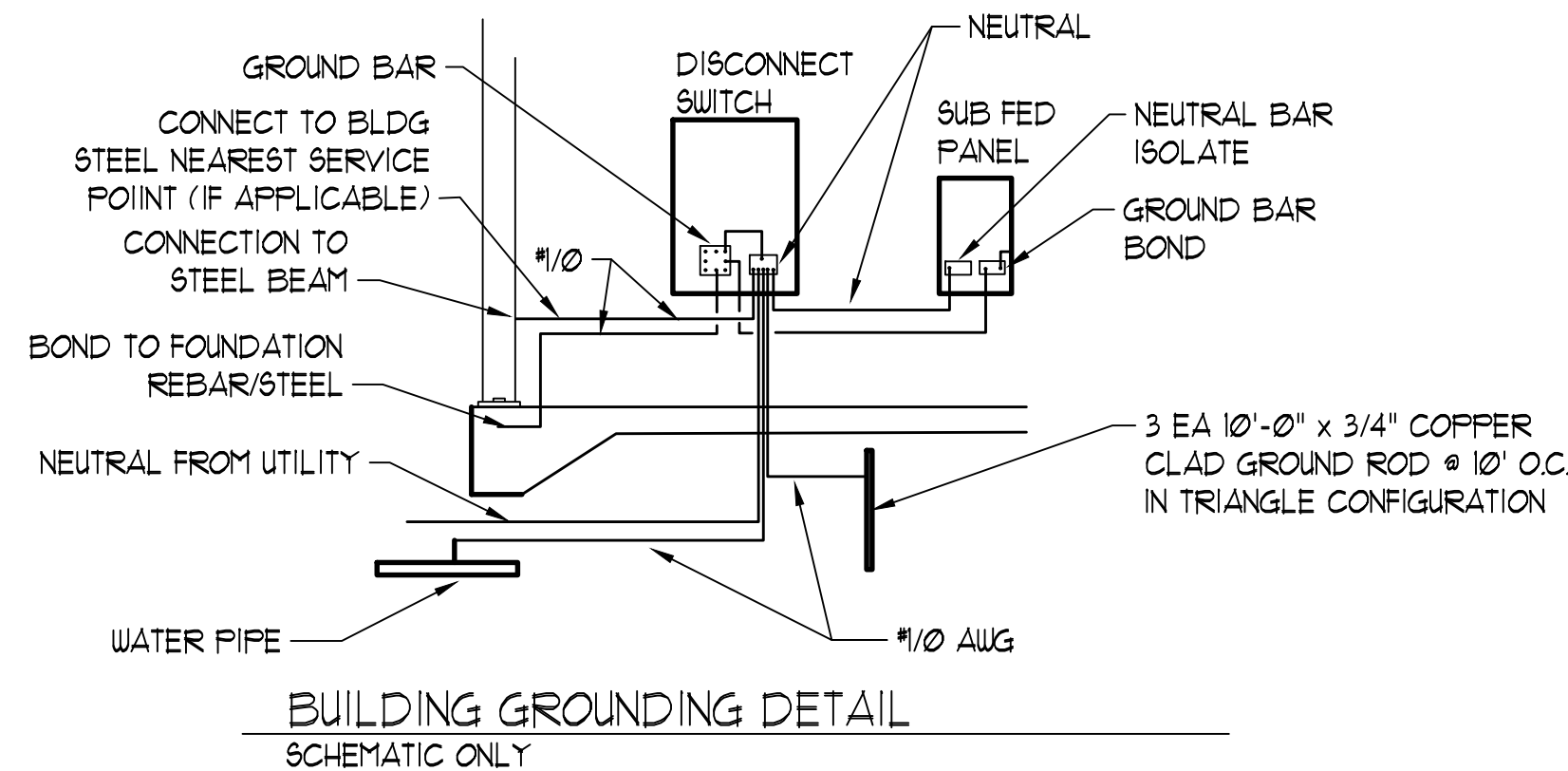
	CAT-5e CABLE
	LINE VOLTAGE WIRES
	0-10VDC WIRES
	LINE FEED

BILL OF MATERIAL		
QTY	PRODUCT #	DESCRIPTION
1	nPP16 D	RELAY PACK WITH 0-10V DIMMING OUTPUT
1	nPP20 PL	PLUG LOAD RELAY PACK
1	nWSX PDT LV DX	WALL SWITCH OCCUPANCY TIMEOUT & RAISE COVER

 FULL OFF VIA OCCUPANCY SENSOR
 LOCAL SWITCH
 PLUG-LOAD CONTROL

LIGHTING CONTROLS SCHEDULE		
ROOM	SENSOR	TYPE
Cashier	Vacancy	Manual On/Auto Off
Office	Vacancy	Manual On/Auto Off
Work/Stock Room	Vacancy	Manual On/Auto Off
Store Room	Vacancy	Manual On/Auto Off
Men's Room	Vacancy	Auto On/Auto Off
Ladies Room	Vacancy	Auto On/Auto Off
Display Cooler	Vacancy	Manual On/Auto Off
Sales Floor	Vacancy	Manual On/Auto Off

LIGHT RELAY PANEL SHALL BE nLIGHT MODEL ARP INTENC16 NLT
16 RELAY ENCLOSURE



LIGHTS
- SWITCHING ONLY, NO DIMMING

FLIGHTS AUTOMATICALLY TURN

SPACES BECOMES VACANT

- MASTER ON/OFF CONTROL OF ENTIRE SPACE

- SURFACE OR RECESSED MOUNT SENSORS
ALSO AVAILABLE

- ALSO AVAILABLE
- SPACE CAN BE CONNECTED TO NLIGHT
BACKBONE TO ENABLE NET-WORK CONTROL OR
TIME SCHEDULES (C405.2.2)
- FOR EMERGENCY LIGHTING CONTROL
ADD A
NPP16 D ER PACK.

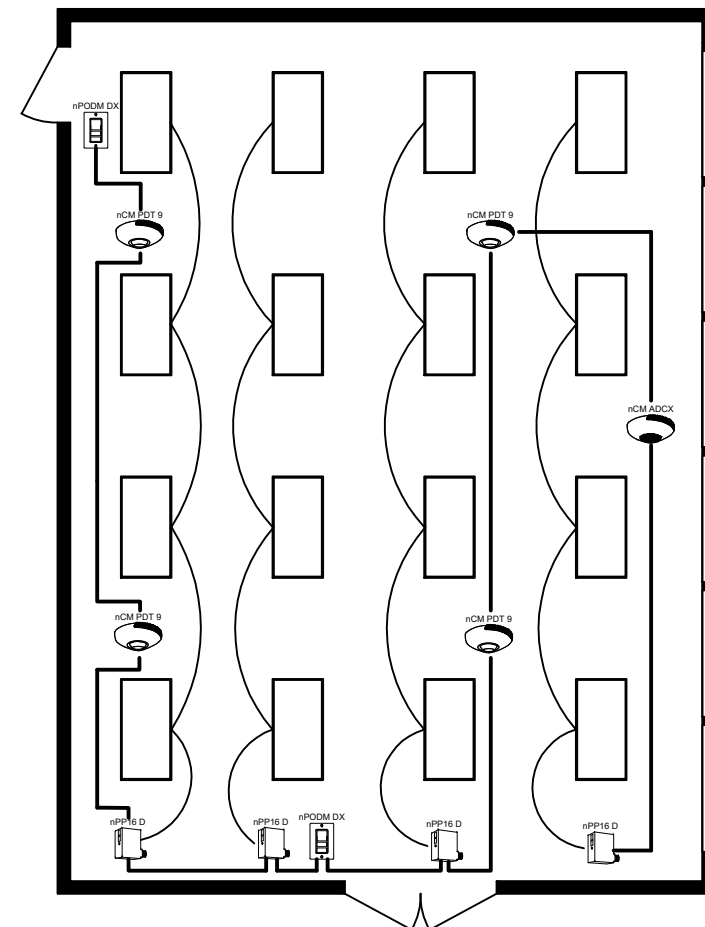
DIAGRAM LEGEND

	CAT-5e CABLE
	LINE VOLTAGE WIRES
	LINE FEED

BILL OF MATERIAL		
QTY	PRODUCT #	DESCRIPTION
1	nPP16	RELAY PACK
1	nWSX PDT LV	DUAL TECHNOLOGY OCCURANCY WALL SWITCH

 FULL AUTO-OFF VIA
OCCUPANCY SENSOR
(C405.2.1.1)
 LOCAL SWITCH
(C405.2.2.3)

AcuityControls™
nLIGHT



LIGHTS
- ALL LIGHTS ARE DIMMABLE
- EACH ROW CONTROLLED INDEPENDENTLY
- MAXIMUM LEVEL CAN BE LIMITED TO 80%

- LIGHTS MUST BE TURNED ON MANUALLY
(OR CAN BE RECONFIGURED TO BE AUTO
ON AT 50%)

- ON TO 50%)
- LIGHTS AUTOMATICALLY TURN OFF
WHEN ROOM BECOMES VACANT

- SMOOTH CONTINUOUS DIMMING
- DAYLIGHT ZONES DEFINED BY ROWS

- MASTER ON/OFF & RAISE/LOWER
CONTROL OF ENTIRE ROOM

- OPTIONAL INDIVIDUAL ROW CONTROL
(ADD nPODM 4 DX)

- ADDITIONAL OPTIONS:
- SURFACE OR RECESSED MOUNT
SENSORS ALSO AVAILABLE
- ADD GRAPHIC WALLPAD (MODEL NP0D
GX) FOR INDIVIDUAL ROW AND UP TO
16 SCENE CONTROL
- ROOM CAN BE CONNECTED TO NLIGHT
BACKBONE TO ENABLE NET-WORK
CONTROL OR TIME SCHEDULES (C405.22)
- FOR EMERGENCY LIGHTING CONTROL
ADD A
NPP16 D ER PACK

DIAGRAM LEGEND

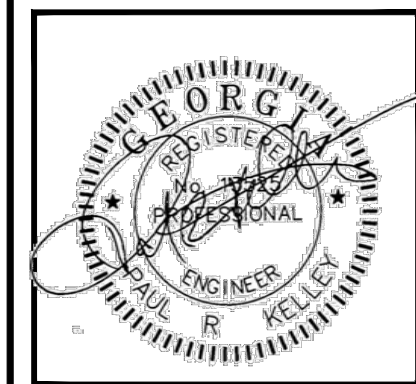
— CAT-5e CABLE

— 0-10VDC WIRES

BILL OF MATERIAL		
QTY	PRODUCT #	DESCRIPTION
4	μPP16 D	RELAY MODULE WITH 0-10V DIMMING OUTPUT
2	μPODM DX	ON/OFF & RAISE/LOWER WALL POD
4	μCM PDT 9	DUAL TECHNOLOGY OCCUPANCY SENSOR
1	μCM ADCX	AUTOMATIC DIMMING CONTROL SWITCH

 FULL AUTO-OFF VIA OCCUPANCY SENSOR (C405.2.1.1)
 LOCAL SWITCH (C405.2.2.3)
 LIGHTING REDUCTION (C405.2.2.2)
 SIDELIGHT DAYLIGHT ZONE (C405.2.3.2)

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1245 Rainey Rd
Macon, GA 31220
(478)474-8794 ph



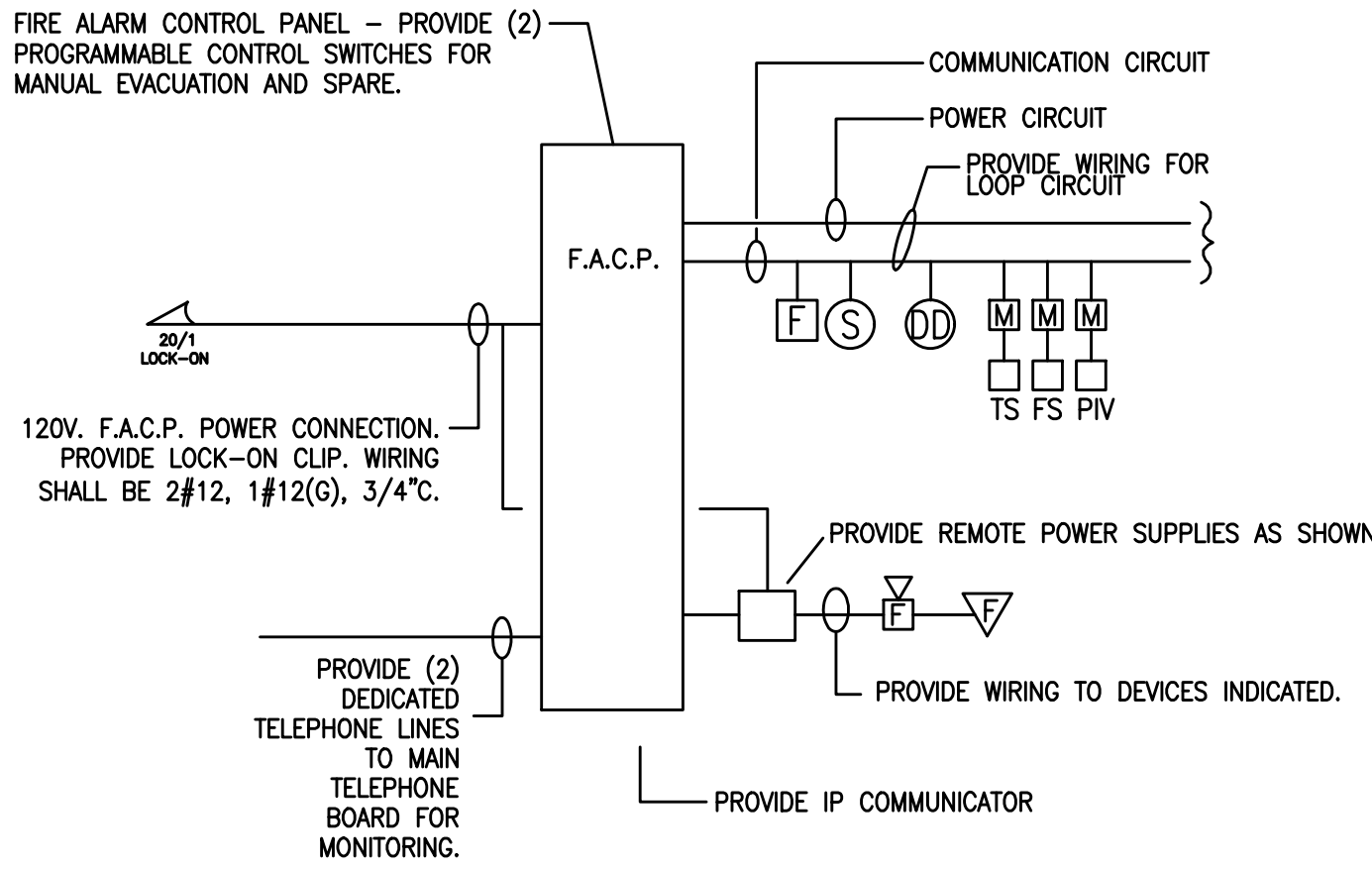
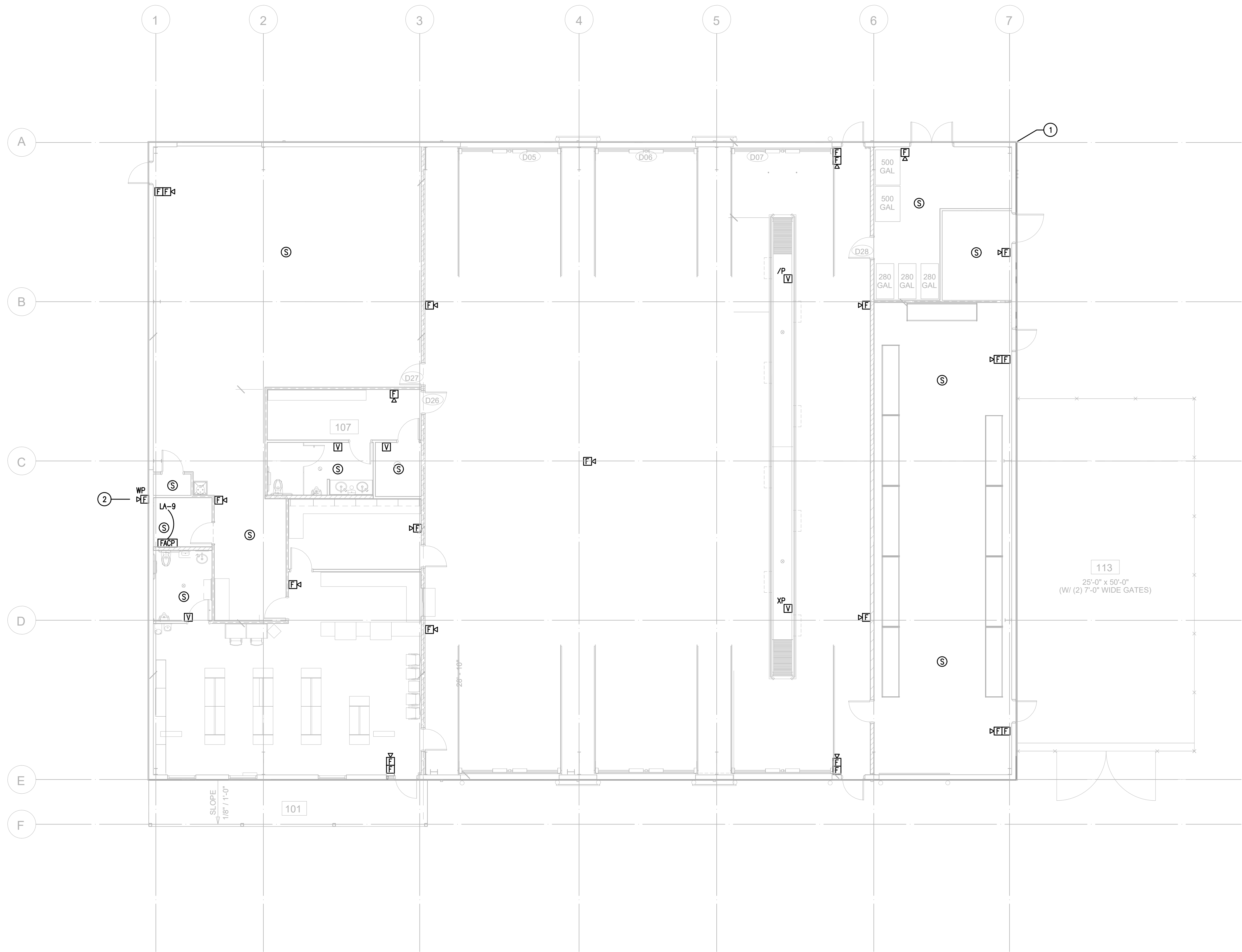
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TYPICAL FIRE ALARM SYSTEM RISER DIAGRAM

- NO SCALE
TYPICAL FIRE ALARM SYSTEM RISER NOTES
1. THIS RISER REPRESENTS A TYPICAL SYSTEM AND IS NOT INTENDED FOR INSTALLATION. SYSTEM SUPPLIER SHALL PROVIDE INSTALLATION DRAWINGS AND SCHEMATIC WIRING DIAGRAMS. EXACT SYSTEM REQUIREMENTS SHALL BE COORDINATED WITH THE SYSTEM SUPPLIER. SYSTEM IS DESIGNED AND SHALL BE INSTALLED IN COMPLIANCE WITH NFPA 70 AND 72, THE OBC AND THE MANUFACTURER'S SPECIFICATIONS.
 2. SYSTEM SUPPLIER SHALL SUPERVISE INSTALLATION, PROGRAM AND TEST SYSTEM, AND INSTRUCT OWNER ON SYSTEM OPERATION.
 3. ALL FIRE ALARM WIRING SHALL BE CONCEALED IN WALLS OR ABOVE PLASTER CEILINGS. ALL WIRING SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR AND VERIFIED WITH THE SYSTEM SUPPLIER PRIOR TO BID.
 4. PROVIDE ADDITIONAL ADDRESSABLE MONITOR AND CONTROL MODULES AS RECOMMENDED BY THE SYSTEM SUPPLIER.
 5. ALL CONTROL CABINETS SHALL BE GROUNDED PER N.E.C. REQUIREMENTS AND PER MANUFACTURER'S SPECIFICATIONS. PROVIDE COLD WATER GROUND FOR CONTROL PANEL.
 6. SYSTEM INSPECTION AND TEST RESULTS SHALL BE PROVIDED TO THE OWNER. SYSTEM OPERATION SHEETS SHALL PROVIDED TO THE OWNER.
 7. REFER TO SPECIFICATIONS AND DRAWINGS FOR ADDITIONAL REQUIREMENTS. REFER TO DRAWINGS FOR DEVICE QUANTITIES AND LOCATIONS.
 8. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS SHOWING EXACT FIELD INSTALLATION TO THE OWNER AFTER THE COMPLETION OF THE PROJECT.
 9. ALL FIELD CHANGES SHALL BE COORDINATED WITH OWNER'S REPRESENTATIVE.
 10. FIRE ALARM SYSTEM SHALL BE ENERGIZED UNDER THE SUPERVISION OF THE MANUFACTURER.
 11. ACCEPTABLE MANUFACTURER SHALL BE SILENT KNIGHT (AS REPRESENTED BY LIFE SAFETY SYSTEMS, PH#: 440.888.7960).

CODED PLAN NOTES

1. COORDINATE FIRE ALARM DEVICE LOCATIONS IN FIELD WITH AHJ AND OWNER PRIOR TO ROUGH-IN.
2. PROVIDE WEATHERPROOF AUDIBLE/VISUAL ALARM DEVICE ON EXTERIOR OF BUILDING IN AN APPROVED LOCATION.

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