

A large, modern, light-colored metal building with a green roof and trim. The building features multiple large roll-up doors on the left side and several windows on the right side. It is situated on a gravel lot with trees in the background.

A map of North Carolina and surrounding areas, including parts of Virginia, South Carolina, and Georgia. A red circle highlights a location in the southern part of North Carolina, near the border with South Carolina. A line points from this circle to the text "PROJECT LOCATION, TRENTON, NC". The map shows major cities, roads, and geographical features like the Pamlico River and Pamlico Sound.

PROJECT SITE



SHEET NO.		SHEET TITLE
NO.	SHEET	
GENERAL		
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2	GI002	CODE ANALYSIS
3	GI003	LIFE SAFETY PLAN
CIVIL		
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6	C2	SITE LAYOUT PLAN
7	C3	SITE GRADING PLAN
8	C4	EROSION AND SEDIMENTATION CONTROL PLAN
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12	C8	NCG01 REQUIREMENTS
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36	M-301	MECHANICAL SCHEDULES
37	M-401	MECHANICAL NOTES & LEGENDS
ELECTRICAL		
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40	E-201	ELECTRICAL DETAILS
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<u>BUILDING CODE:</u> NORTH CAROLINA STATE BUILDING CODE (2018)	<u>ELECTRICAL CODE:</u> NFPA 70, NATIONAL ELECTRIC CODE
<u>ACCESSIBILITY CODE:</u> ACCESSIBLE AND USABLE BUILDINGS & FACILITIES- ICC A117.1 2009	<u>PLUMBING CODE:</u> NORTH CAROLINA STATE PLUMBING CODE (2018)
<u>MECHANICAL CODE:</u> NORTH CAROLINA STATE MECHANICAL CODE (2018)	<u>FIRE PREVENTION & LIFE SAFETY CODE:</u> NORTH CAROLINA STATE FIRE PREVENTION CODE (2018)

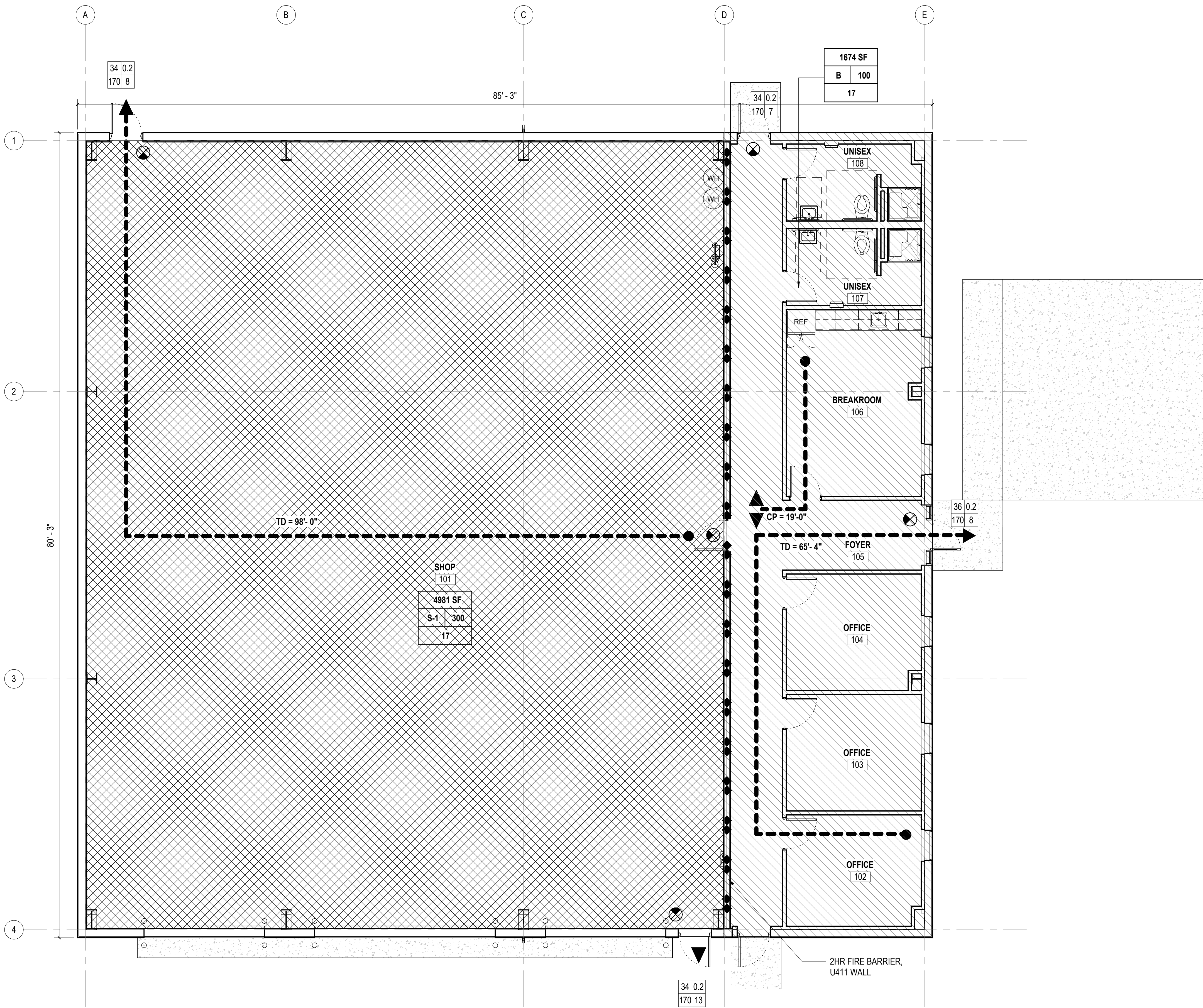
1539 NC HWY 58
TRENTON, NC 28585

[illegible]

Project Number	Date
2523.JCPW	08/03/26
Drawn	Checked
EFC	CBW
Scale	
AS NOTED	
Drawing Title	

Sheet Number
1 Of 44

Drawing Number
GI001



LIFE SAFETY PLAN LEGEND							
SYMBOL	DESCRIPTION						
	1/2 HOUR FIRE WALL						
	1 HOUR FIRE WALL						
	2 HOUR FIRE WALL						
	3 HOUR FIRE WALL						
	SMOKE PARTITION						
	COMMON PATH OF TRAVEL						
	DEAD-END CORRIDOR						
	TRAVEL DISTANCE						
<table><tr><td>W</td><td>P</td></tr><tr><td>C</td><td>A</td></tr></table>	W	P	C	A	W: NET EXIT WIDTH (INCHES) C: CAPACITY (PEOPLE) P: EXIT WIDTH PER PERSON A: ACTUAL EGRESS (PEOPLE)		
W	P						
C	A						
OCCUPANCY, TYPE A - ASSEMBLY B - BUSINESS S - STORAGE	<table><tr><td>1500 SF</td><td>ROOM / ZONE AREA</td></tr><tr><td>B 150</td><td>OCCUPANCY, ALLOWABLE AREA PER OCCUPANT</td></tr><tr><td>10</td><td>OCCUPANCY LOAD (PEOPLE)</td></tr></table>	1500 SF	ROOM / ZONE AREA	B 150	OCCUPANCY, ALLOWABLE AREA PER OCCUPANT	10	OCCUPANCY LOAD (PEOPLE)
1500 SF	ROOM / ZONE AREA						
B 150	OCCUPANCY, ALLOWABLE AREA PER OCCUPANT						
10	OCCUPANCY LOAD (PEOPLE)						
	BUSINESS (B)						
	SHOP (S-1)						

DESIGN NO. UL U411

FIRE RATING: 2 HOUR
STC RATING: 49
SOUND TEST: USG-190432
SYSTEM THICKNESS: 8-1/2" [215.9 MM]
LOCATION: INTERIOR
FRAMING TYPE: STEEL STUD (NONLOAD-BEARING)

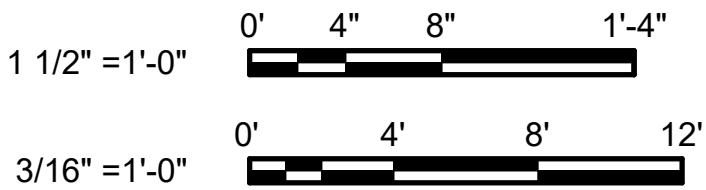
2' - 0"

ASSEMBLY REQUIREMENTS:

GYPSUM PANELS: TWO LAYER 5/8" [15.9 MM] SHEETROCK® GYPSUM PANEL (UL TYPE SCX)
STEEL STUDS: 6" [152.5 MM] STEEL STUDS, EQ25 (0.015"), 24" [610 MM] O.C.
INSULATION: 5-7/8" [149.2 MM] FIBERGLASS INSULATION
GYPSUM PANELS: TWO LAYER 5/8" [15.9 MM] SHEETROCK® GYPSUM PANEL (UL TYPE SCX)

U411 DETAIL

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



A LIFE SAFETY PLAN

SCALE: 3/16" = 1'-0" (A-201)

WALKER GROUP

ARCHITECTURE

incorporated

PO BOX 541, NEW BERN, NC 28563

252-636-8778

Christopher B. Walker

REGISTERED

SEAL

15616

08/03/26

ARCHITECT

NORTH CAROLINA

Jones County

Public Works

Building

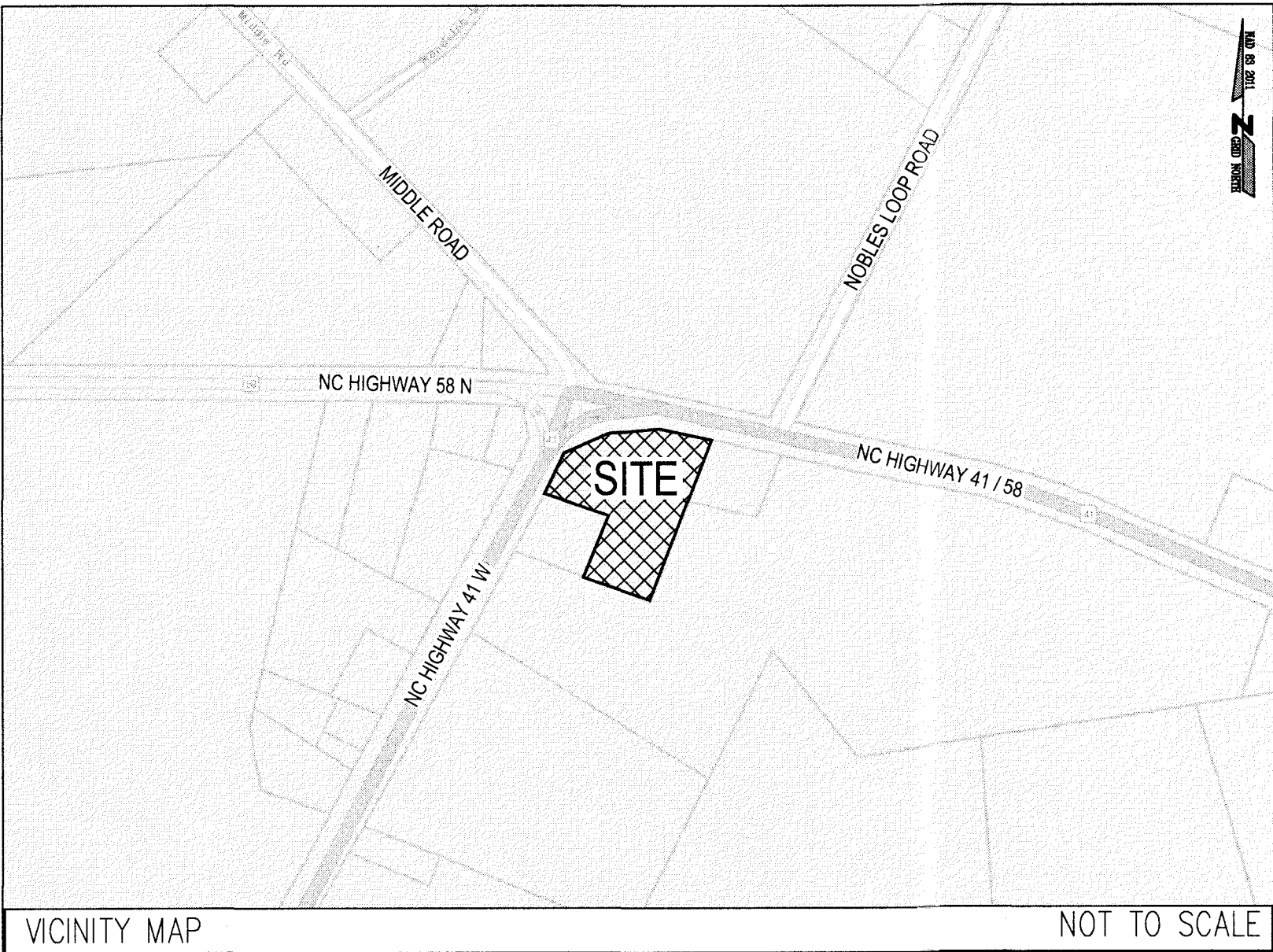
1539 NC HWY 58

TRENTON, NC 28585

REVISIONS		DATE

Project Number	Date
2523.JCPW	08/03/26
Drawn	Checked
EFC	CBW
Scale	
AS NOTED	
Drawing Title	
LIFE SAFETY PLAN	

Sheet Number	3 Of 44
Drawing Number	G1003



JONES COUNTY PUBLIC WORKS BUILDING

1539 HWY 58

TRENTON, NORTH CAROLINA

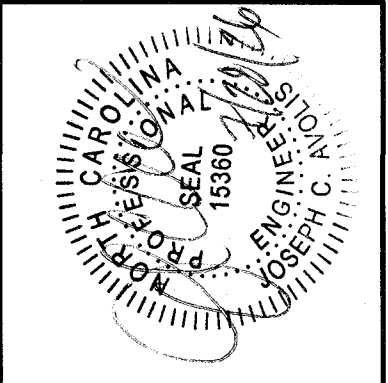
INDEX OF DRAWINGS

SHEET COUNT	SHEET NO.	TITLE
1 OF 9	CS	COVER SHEET
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3 OF 9	C2	SITE LAYOUT PLAN
4 OF 9	C3	SITE GRADING PLAN
5 OF 9	C4	EROSION & SEDIMENTATION CONTROL PLAN
6 OF 9	C5	SITE UTILITY PLAN
7 OF 9	C6	SITE DETAILS
8 OF 9	C7	SITE DETAILS
9 OF 9	C8	NCG01 REQUIREMENTS

ABBREVIATIONS	
APPROX.	APPROXIMATE/APPROXIMATELY
CL	CONTRACTION JOINT
CL, C/L	CENTER LINE
CF	CUBIC FEET
CONT.	CONTINUOUS
CONC.	CONCRETE
DIA, Ø	DIAMETER
DI	(STORM DRAIN) DROP INLET
DIP	DUCTILE IRON PIPE
DMH	DRAINAGE MANHOLE
EL=, ELEV	ELEVATION
E	EASTING
EOP	EDGE OF PAVEMENT
ELEC.	ELECTRIC; ELECTRICAL
ETC.	ET CETERA
EX., EXIST.	EXISTING
FES	FLARED END SECTION
FH	FIRE HYDRANT
INV	INVERT
MAG	MAG NAIL (CONTROL)
MAX	MAXIMUM
MIN	MINIMUM
N	NORTHING
NO./#	NUMBER
PIV	POST INDICATOR VALVE
PVC	POLYVINYL CHLORIDE (PIPE)
RCP	REINFORCED CONCRETE PIPE
SMH	SANITARY SEWER MANHOLE
SF	SQUARE FOOT/FEET
SLT	SILT FENCE
TBM	TEMPORARY BENCHMARK
TYP.	TYPICAL
TW	TOP OF WALL

CIVIL LEGEND		
EXISTING	DESCRIPTION	NEW
	WATER VALVE	
	SANITARY SEWER MANHOLE	
	SANITARY SEWER CLEANOUT	
	STORM DRAIN DROP INLET	
	FIRE HYDRANT	
	COMMUNICATIONS PEDESTAL	
	UTILITY POLE/POLE WITH LIGHT	
	GUY WIRE	
	SANITARY SEWER (GRAVITY)	
	STORM SEWER	
	DOMESTIC WATER	
	OVERHEAD ELECTRICAL	
	UNDERGROUND ELECTRICAL	
	UNDERGROUND COMMUNICATIONS	
	FENCE	
	CONCRETE	
	ASPHALT	
	GRAVEL	
	SURVEY CONTROL POINT	
	SPOT ELEVATIONS	
	CONTOUR LINES	
	TREE	
	TREE LINE / CLEARING LIMIT	
	SILT FENCE	
	SOURCE/DESTINATION UNKNOWN	
	SIGN	
	DEMOLITION ITEMS	

NO.	DESCRIPTION	BY	DATE
Revisions			



PROJECT NO. 25056
SCALE: AS NOTED
DRAWN BY: JCA
CHECKED BY: JCA
DATE: JULY 28, 2026

LICENSE NO. C-0706

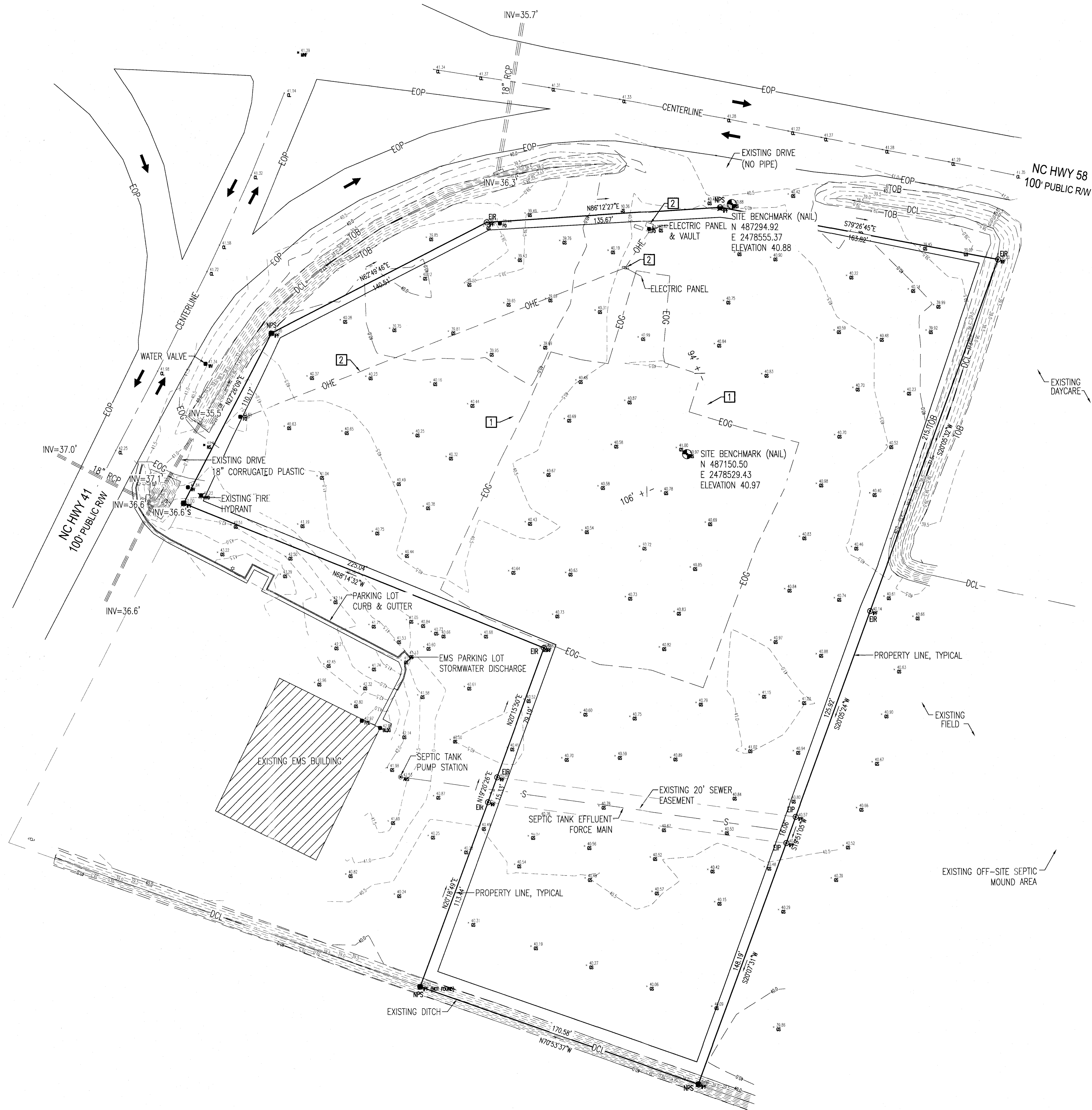
AVOLIS ENGINEERING, P.A.
P.O. BOX 15564
NEW BERN, NC 28561
PH: (252) 633-0068

JONES COUNTY PUBLIC WORKS BUILDING
1539 HWY 58
TRENTON, NORTH CAROLINA

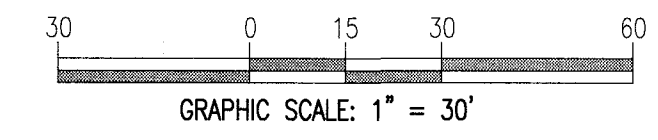
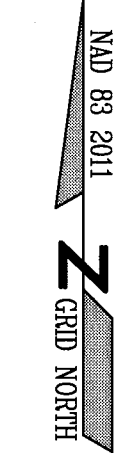
COVER SHEET

CS

25056

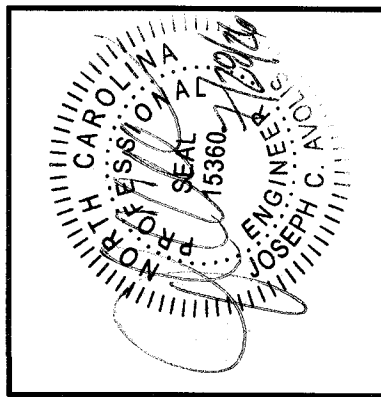


- SPECIFIC WORK ITEMS (THIS SHEET):**
- 1 STRIP AREA OF NEW BUILDING INCLUDING REMOVAL OF FINE GRAVEL AND ANY SOFT UNDERLYING SOILS.
 - 2 RELOCATE ELECTRICAL/COMMUNICATIONS UTILITIES.



- GENERAL NOTES:**
1. THE PROPERTY IS LOCATED IN FLOOD ZONE X REFERENCE FEMA DIGITAL FLOOD MAP # 3720446800J DATED JULY 2, 2004.
 2. REFERENCE BOUNDARY MAP RECORDED IN PLAT BOOK C160, PAGE 5 DATED SEPTEMBER 9, 2005 AND PREPARED BY CAROLINA ENGINEERS, PA. BOUNDARY INFORMATION DRAWN FROM THAT PLAT AND EXISTING FIELD MONUMENTATION.
 3. ALL ELEVATIONS ARE BASED ON NAVD88.
 4. TAX PARCEL # IS 447887400500.

NO.	DESCRIPTION	BY	DATE
Revisions			



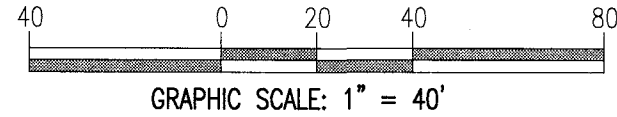
PROJECT NO. 25056
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CHECKED BY: JCA
DATE: JULY 28, 2026

LICENSE NO. C-0706

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JONES COUNTY PUBLIC WORKS BUILDING
1539 HWY 58
TRENTON, NORTH CAROLINA
EXISTING CONDITIONS & DEMOLITION PLAN

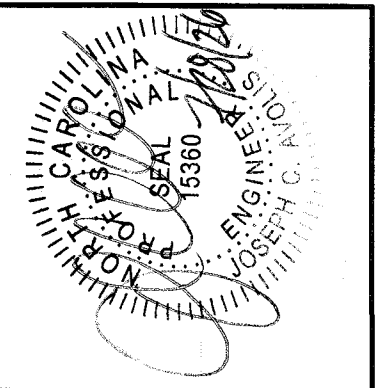
C1
25056



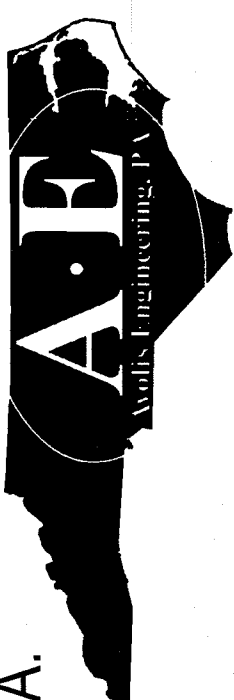
SPECIFIC WORK ITEMS (THIS SHEET):

- [1]** CONSTRUCT CONCRETE ACCESSIBLE PARKING AREA, SEE DETAIL A, SHEET C6.
- [2]** CONSTRUCT ACCESSIBLE PARKING SIGNAGE & MARKINGS, SEE DETAIL C, SHEET C6.
- [3]** CONSTRUCT 4' WIDE CONCRETE WALK, SEE DETAIL D, SHEET C7.

NAD 83 2011 **Z** GRID NORTH



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CHECKED BY: JCA
DATE: JULY 28, 2026

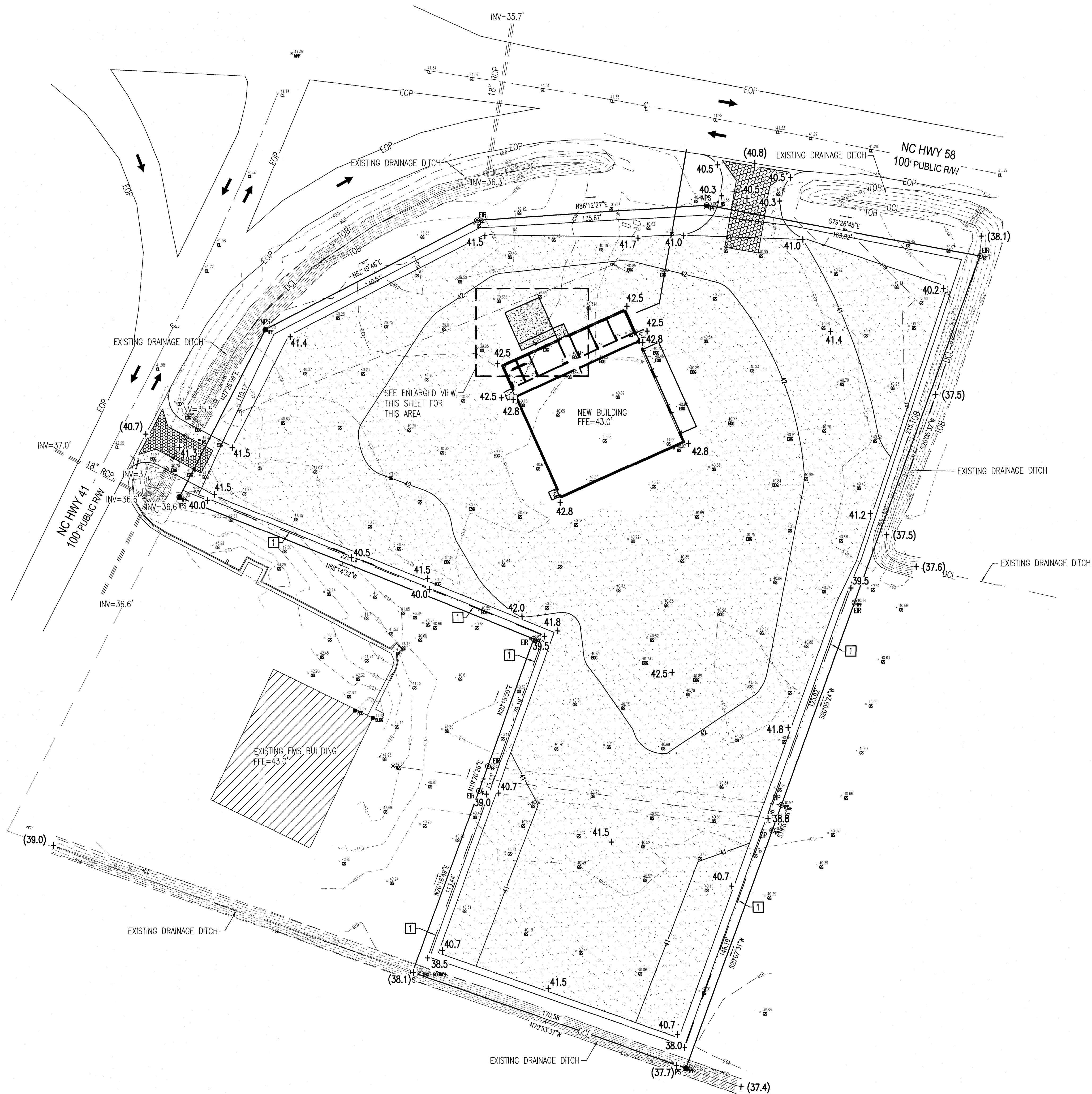


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JONES COUNTY PUBLIC WORKS BUILDING
1539 HWY 58
TRENTON, NORTH CAROLINA

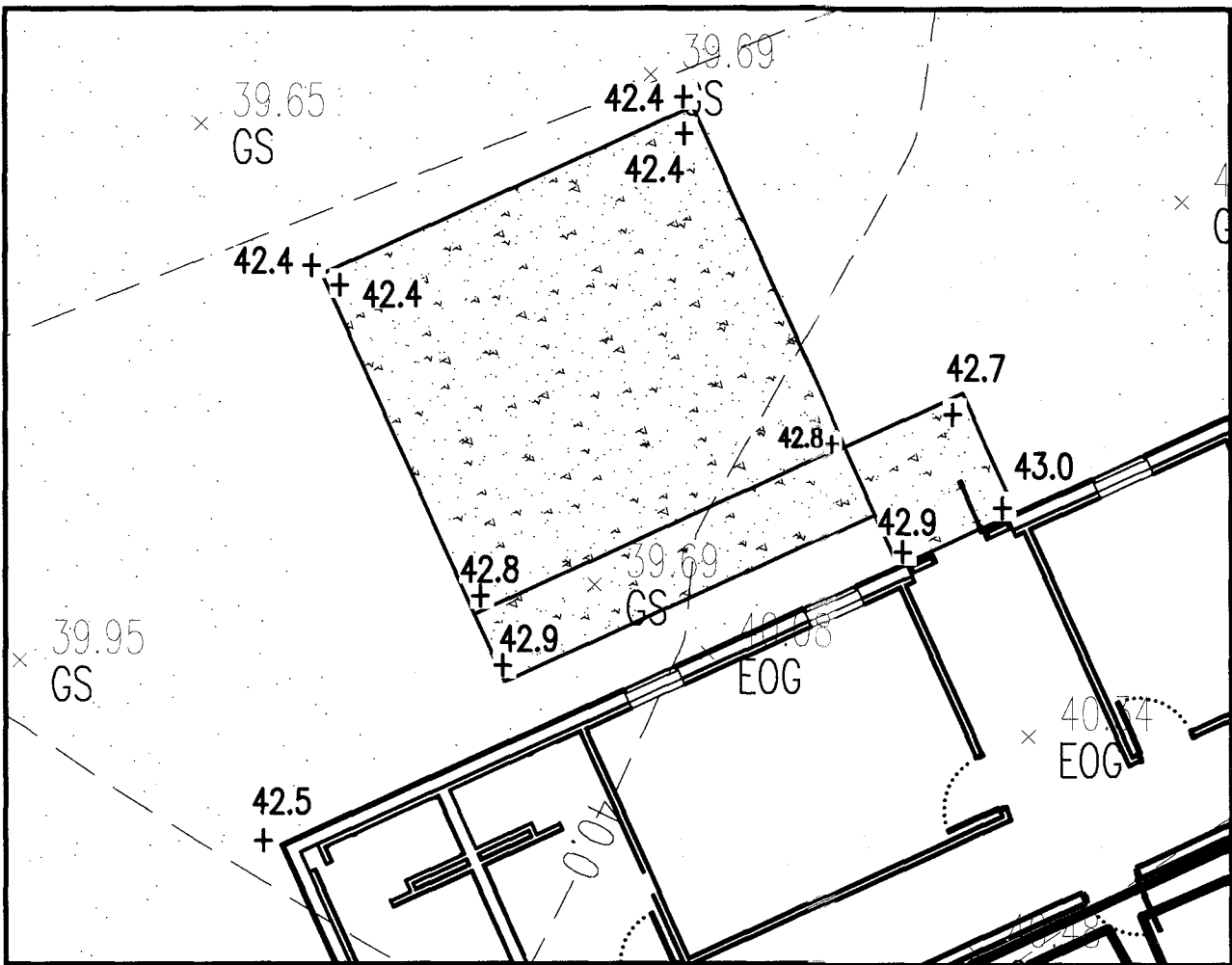
SITE PLAN

C2
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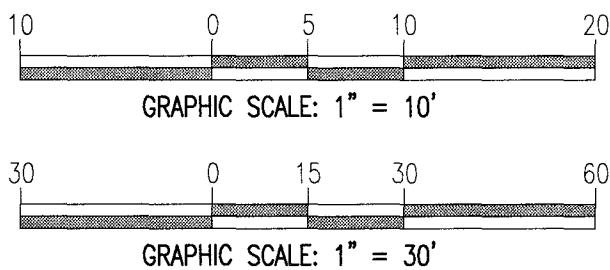


- SPECIFIC WORK ITEMS:**
- 1. CONSTRUCT GRASS LINED DRAINAGE SWALE - SEE DETAIL E, SHEET C6. PROVIDE CURLED WOOD MATTING TEMPORARY STABILIZATION.

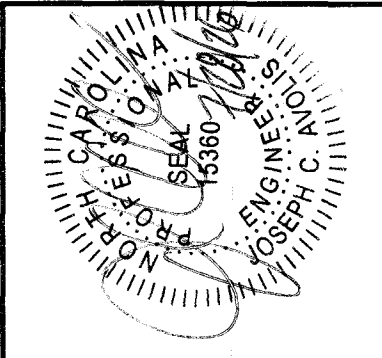
- NOTES:**
- 1. THERE ARE NOT ANY WETLANDS OR STREAM BUFFERS LOCATED ON THE SITE.
 - 2. ALL FILL MATERIAL SHALL COME FROM A BORROW PIT PROPERLY PERMITTED THROUGH THE NCDEMR LAND QUALITY SECTION.
 - 3. GRADE EVENLY ALONG FINISH CONTOURS AND BETWEEN SPOT ELEVATIONS.



ENLARGED VIEW
SCALE: 1:10



NO.	DESCRIPTION	BY	DATE
Revisions			



PROJECT NO. 25056
SCALE: AS NOTED
DRAWN BY: JCA
CHECKED BY: JCA
DATE: JULY 28, 2026

LICENSE NO. C-4706

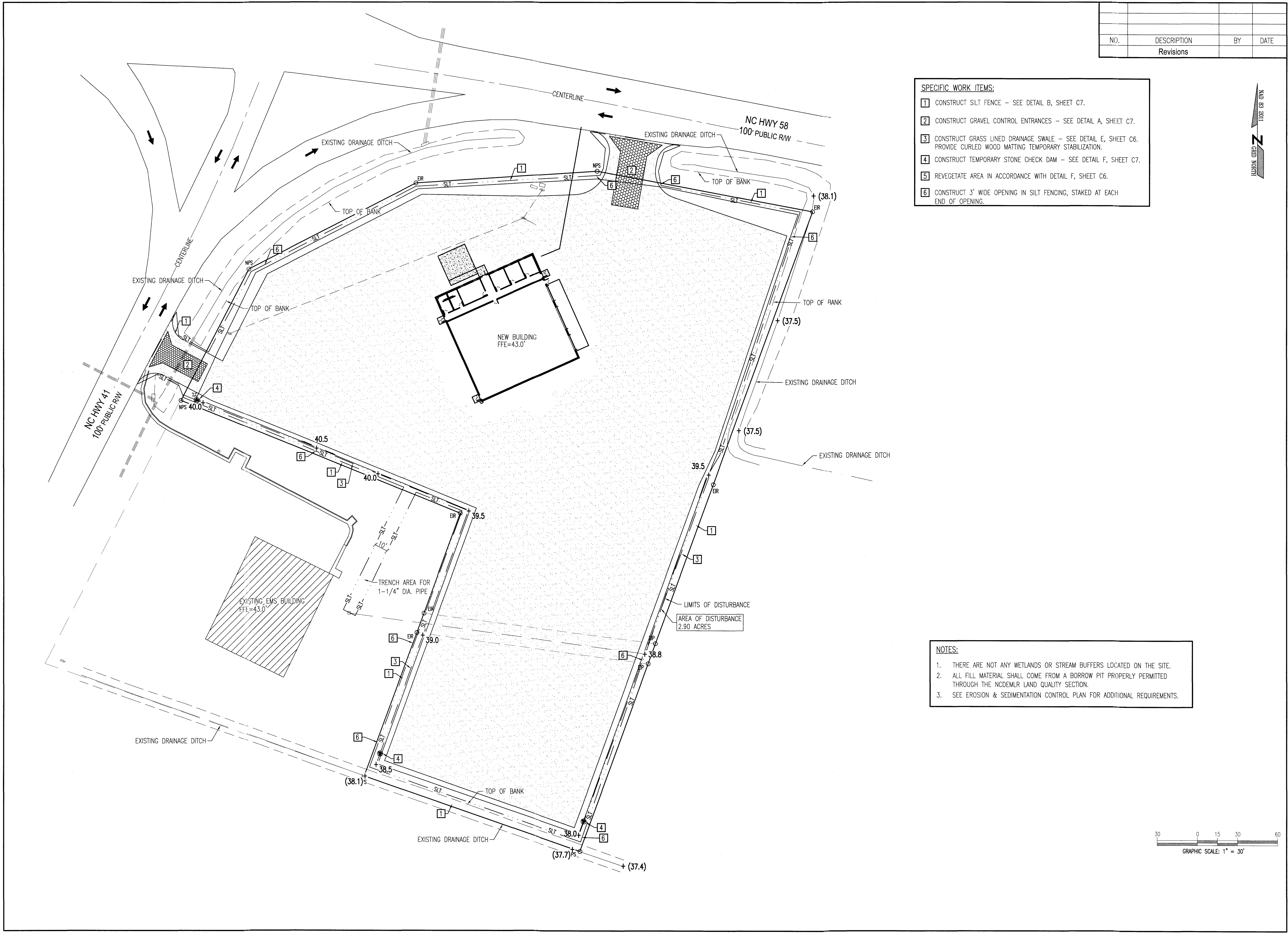
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P.O. BOX 15564
NEW BERN, NC 28561
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JONES COUNTY PUBLIC WORKS BUILDING
1539 HWY 58
TRENTON, NORTH CAROLINA

SITE GRADING PLAN

C3

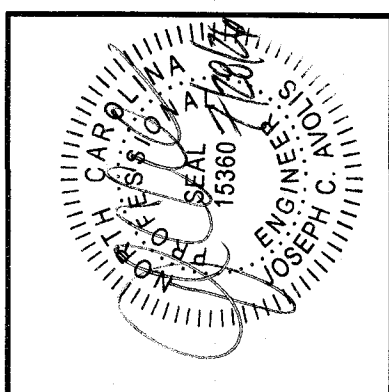
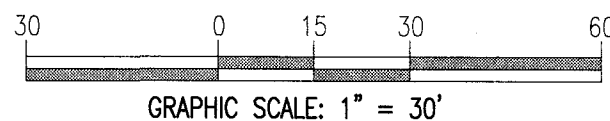
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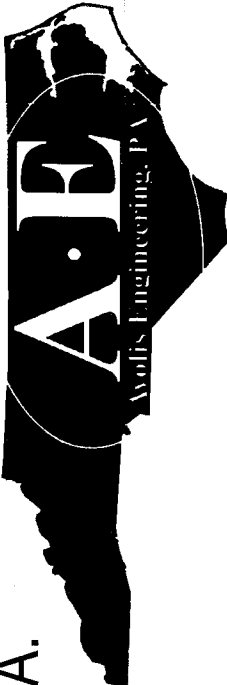
NO.	DESCRIPTION	BY	DATE
Revisions			

- SPECIFIC WORK ITEMS:**
- 1 CONSTRUCT SILT FENCE - SEE DETAIL B, SHEET C7.
 - 2 CONSTRUCT GRAVEL CONTROL ENTRANCES - SEE DETAIL A, SHEET C7.
 - 3 CONSTRUCT GRASS LINED DRAINAGE SWALE - SEE DETAIL E, SHEET C6. PROVIDE CURLED WOOD MATTING TEMPORARY STABILIZATION.
 - 4 CONSTRUCT TEMPORARY STONE CHECK DAM - SEE DETAIL F, SHEET C7.
 - 5 REVEGETATE AREA IN ACCORDANCE WITH DETAIL F, SHEET C6.
 - 6 CONSTRUCT 3' WIDE OPENING IN SILT FENCING, STAKED AT EACH END OF OPENING.

- NOTES:**
- 1. THERE ARE NOT ANY WETLANDS OR STREAM BUFFERS LOCATED ON THE SITE.
 - 2. ALL FILL MATERIAL SHALL COME FROM A BORROW PIT PROPERLY PERMITTED THROUGH THE NCDEMLR LAND QUALITY SECTION.
 - 3. SEE EROSION & SEDIMENTATION CONTROL PLAN FOR ADDITIONAL REQUIREMENTS.



PROJECT NO. 25056
SCALE: AS NOTED
DRAWN BY: JCA
CHECKED BY: JCA
DATE: JULY 28, 2026

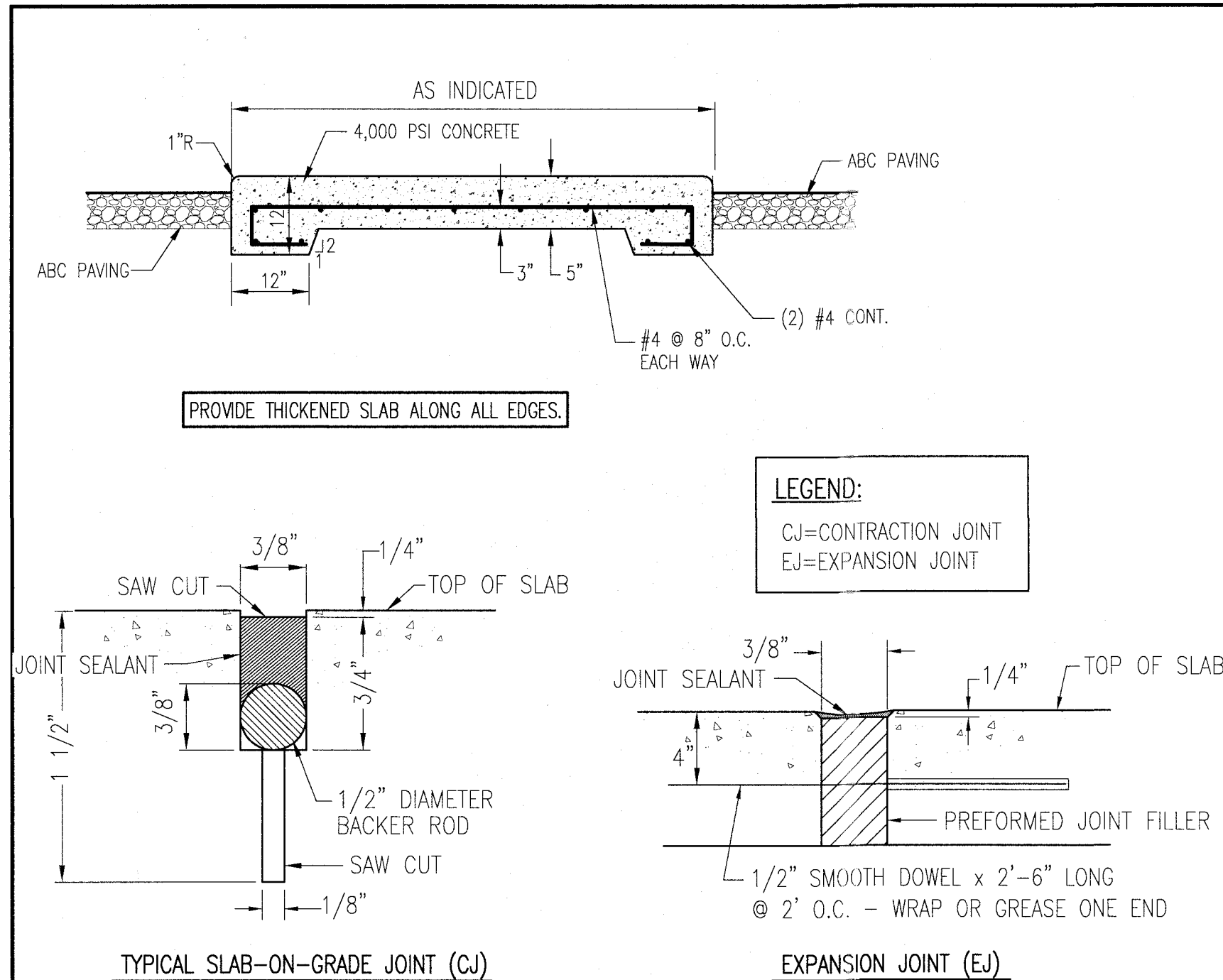
LICENSE NO. C-0708

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P.O. BOX 15564
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PH: (252) 633-0068

JONES COUNTY PUBLIC WORKS BUILDING
1539 HWY 58
TRENTON, NORTH CAROLINA
EROSION & SEDIMENTATION CONTROL PLAN

C4
25056

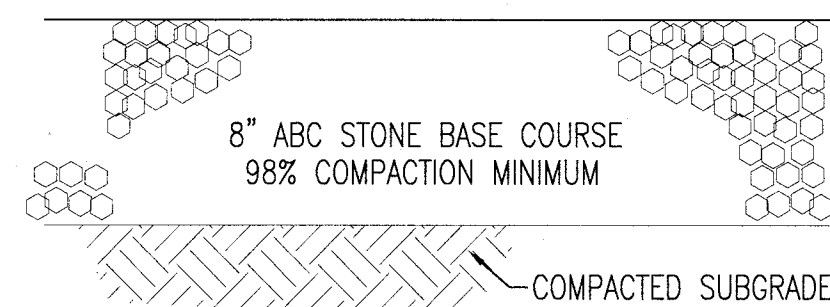
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25056



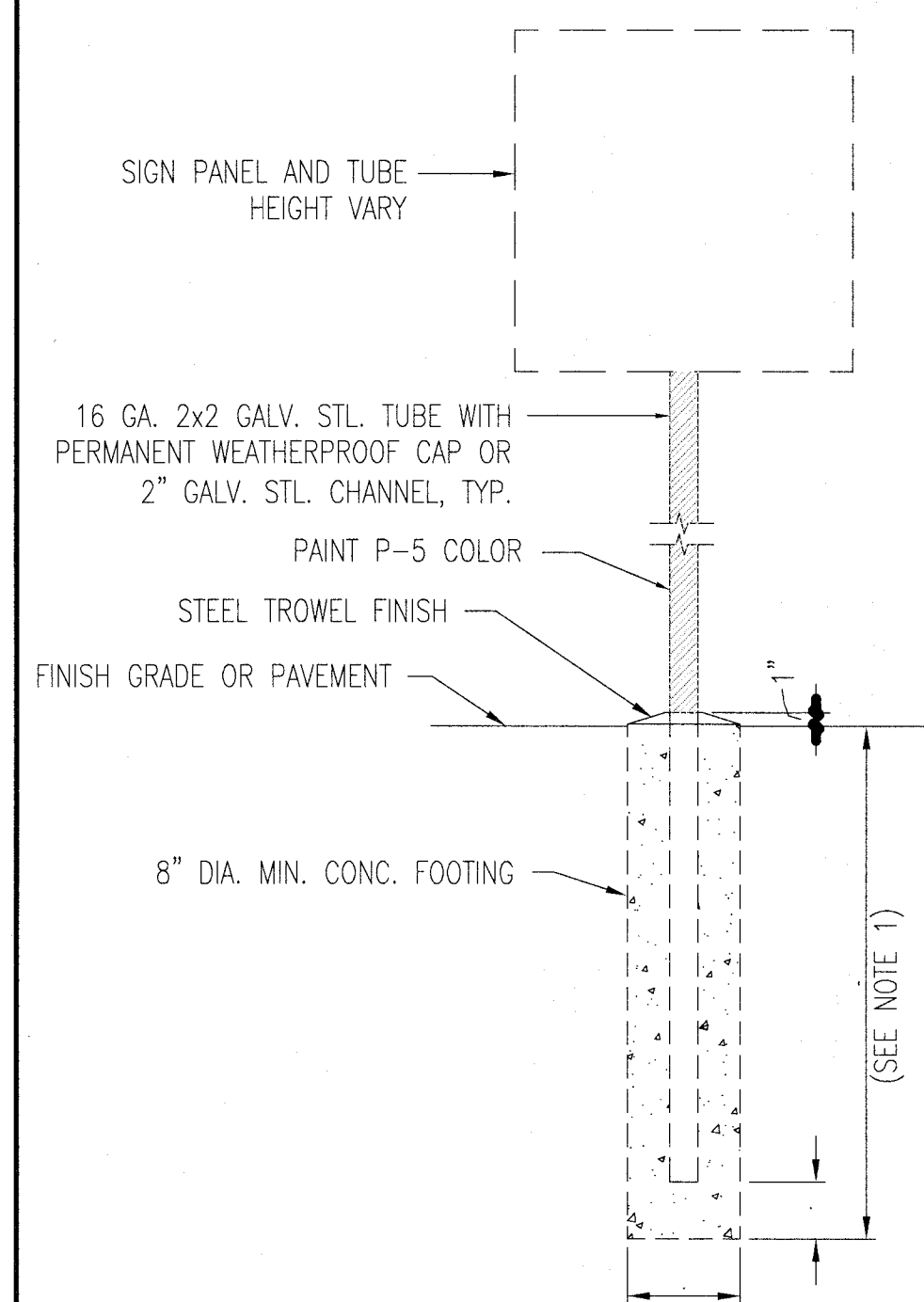
A CONCRETE APRON & JOINTS AROUND BUILDING

SCALE: NTS



B GRAVEL PAVING (BY OTHERS)

SCALE: NTS



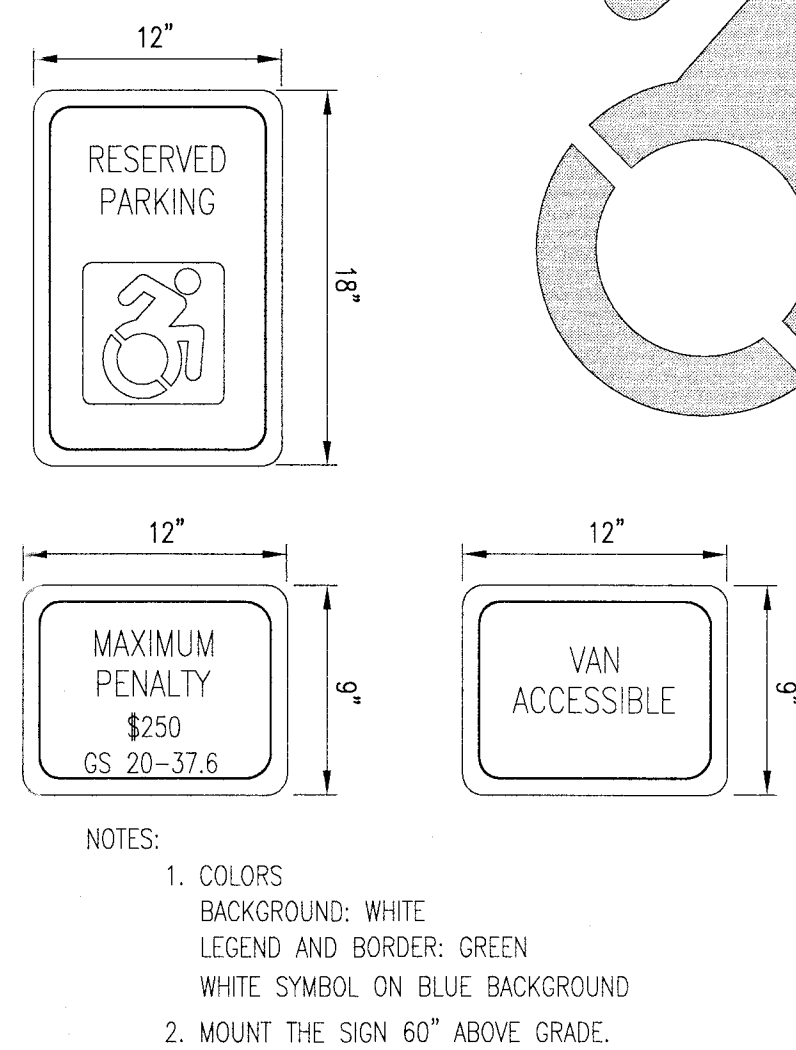
NOTE:

1. BOTTOM OF FOOTING TO BE 1'-0" BELOW FROST LINE, EXISTING UNDISTURBED GRADE, OR COMPACTED FINISHED GRADE, WHICHEVER IS GREATER.

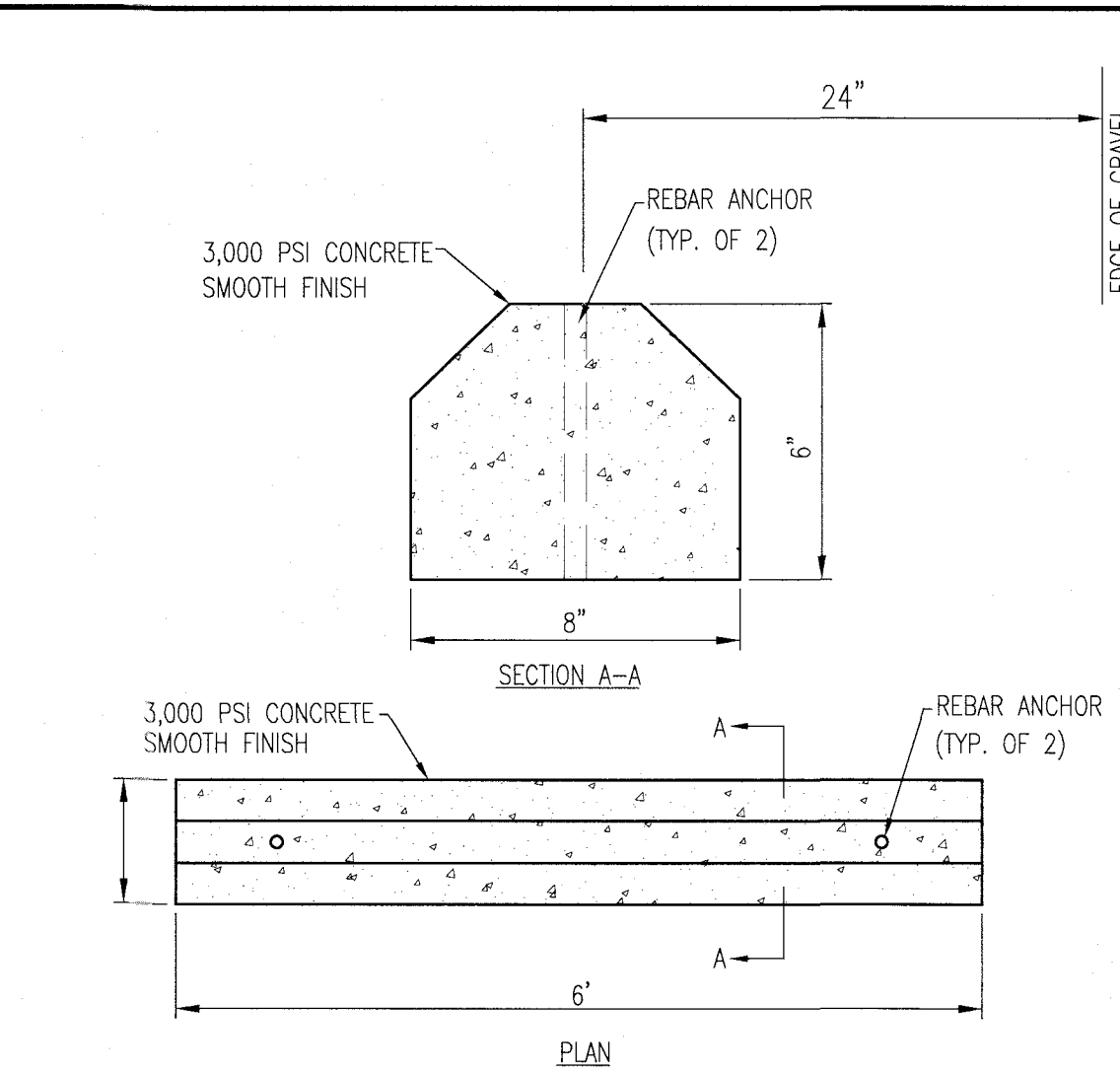
SIGN MOUNTING

C SIGNAGE AND MOUNTING

SCALE: NTS

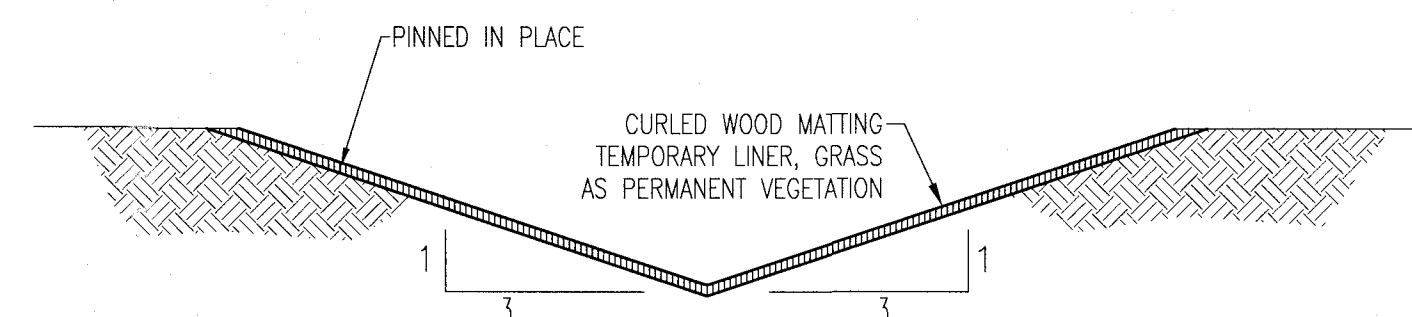


HANDICAP PARKING DESIGNATION



D CONCRETE WHEEL STOP

SCALE: NTS



E GRASS LINED SWALE

SCALE: NTS

TEMPORARY VEGETATIVE SEEDING (PRIOR TO ESTABLISHING PERMANENT VEGETATION)

AFTER COMPLETION OF GRADING ACTIVITIES AND THE CONSTRUCTION OF SWALES, ALL EXPOSED AREAS MUST BE SEEDED TO THE FOLLOWING SPECIFICATIONS:

SEED BED:

LIME 1-1/2 TON PER ACRE

FERTILIZER 1/2-TON PER ACRE

SEED

RYE GRAIN 50 LBS PER ACRE

TALL FESCUE 100 LBS PER ACRE

SUPPLEMENTAL SEED

MAY THROUGH AUGUST:

CENTPEDE 5 LBS PER ACRE

PROCEDURE:

STRAW MULCH MUST BE APPLIED AT A RATE WHICH WILL INSURE APPROXIMATELY 75% COVERAGE OF THE SEEDED AREA. THE STRAW AND SOWN SEED WILL BE LIGHTLY DISCED INTO THE BED TO GIVE IT FURTHER RESISTANCE TO BLOWING AND WASHING. THE CONTRACTOR MUST GUARANTEE A FULL STAND OF GRASS OVER THE ENTIRE DISTURBED AREA. IF NECESSARY THE CONTRACTOR WILL WET DOWN THE AREAS TO ASSIST IN SEED GERMINATION OR AID IN GROWTH IN TIMES OF EXCESSIVELY DRY WEATHER. A STAND OF GRASS WILL BE CONSIDERED ACCEPTABLE WHEN THE ENTIRE STAND OF GRASS IS AT LEAST FOUR INCHES HIGH AND HAS ACHIEVED AT LEAST 95% COVERAGE OF DISTURBED AREAS. RESEEDING WILL BE REQUIRED AS NECESSARY BY THE CONTRACTOR TO OBTAIN THE SPECIFIED STAND OF GRASS.

PERMANENT VEGETATION

ALL DISTURBED AREAS NOT COVERED WITH BUILDINGS, PAVEMENTS, OR OTHER IMPERMEABLE SURFACES SHALL BE SODDED WITH CENTPEDE SOD AS THE FINAL/PERMANENT VEGETATION.

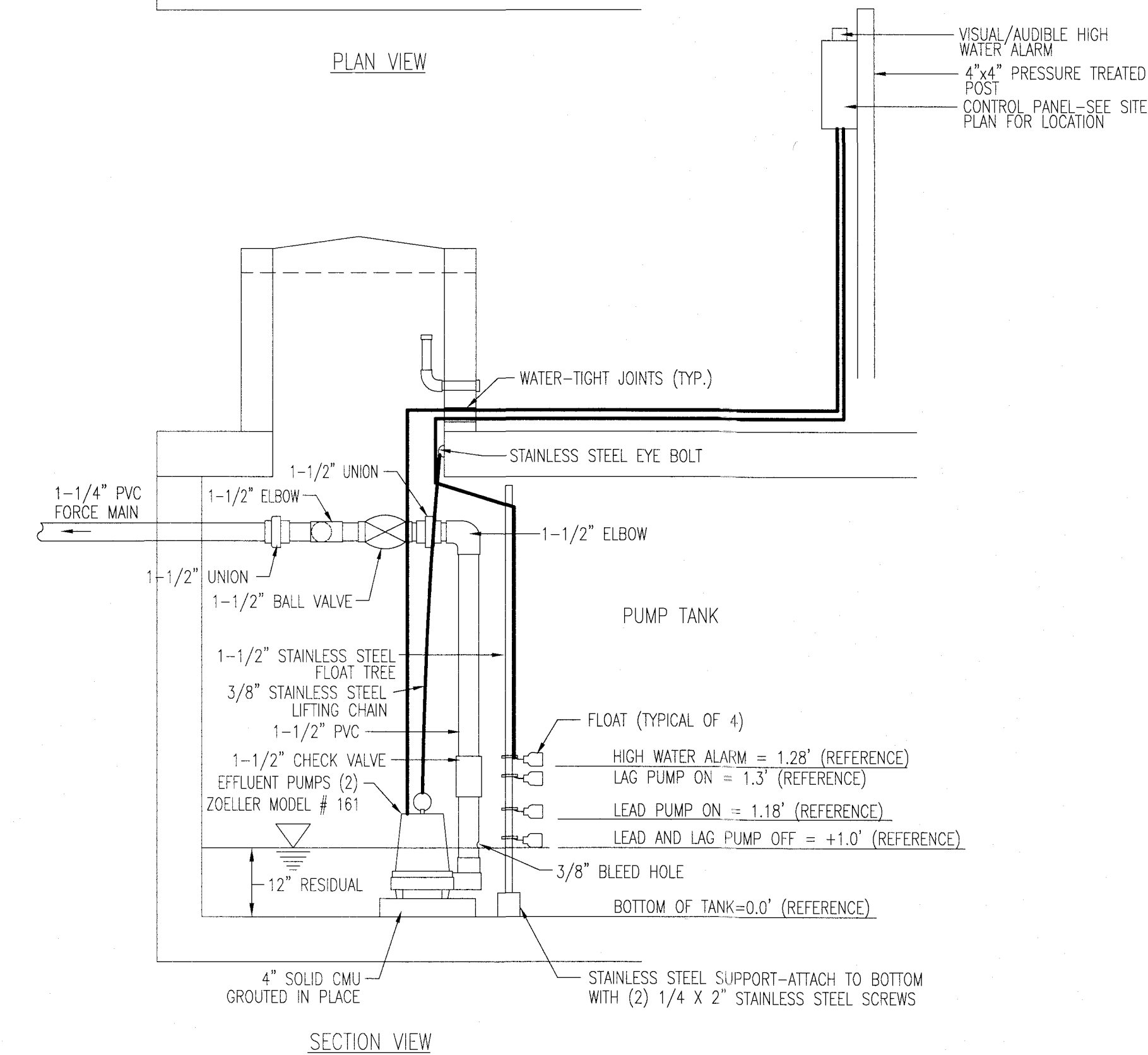
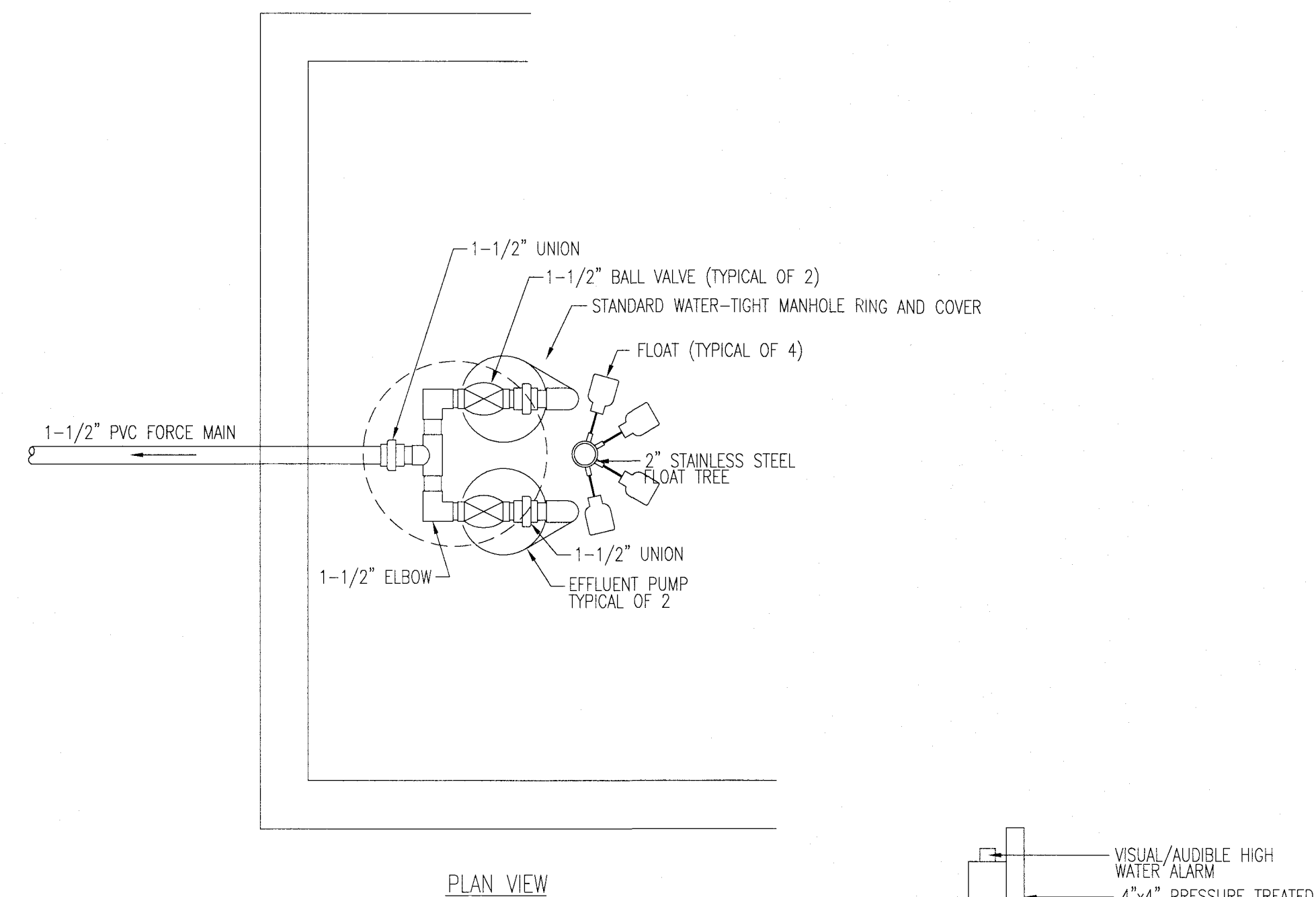
SPECIAL SEEDING NOTE:

ALL DENUED AREAS WILL, WITHIN 7 CALENDAR DAYS OF COMPLETION OF ANY PHASE OF GRADING OR CEASING OF GRADING ACTIVITIES, BE PLANTED AND PROVIDED WITH TEMPORARY OR PERMANENT GROUND COVER, DEVICES, OR STRUCTURES SUFFICIENT TO RESTRAIN EROSION.

ALL DENUED AREAS WILL, WITHIN 7 DAYS OF COMPLETION OF CONSTRUCTION, BE PROVIDED PERMANENT GROUND COVER.

F VEGETATION PLAN

SCALE: NTS

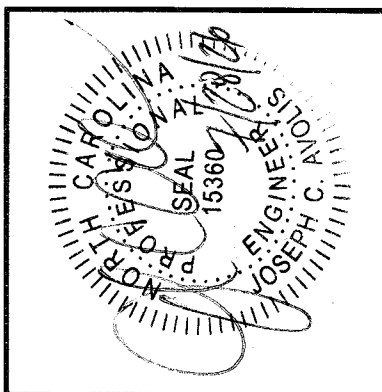


G PUMPS, FLOATS, AND CONTROLS

SCALE: NTS

SEPTIC TANK, PUMP AND FORCE MAIN TO BE PROVIDED AND INSTALLED BY JONES COUNTY.

NO.	DESCRIPTION	BY	DATE
Revisions			



PROJECT NO. 25056

SCALE: AS NOTED

DRAWN BY: JCA

CHECKED BY: JCA

DATE: JULY 28, 2026

LICENSE NO. C-0706

AVOLIS ENGINEERING, P.A.

P.O. BOX 15564

NEW BERN, NC 28561

PH: (252) 633-0068

JONES COUNTY PUBLIC WORKS BUILDING

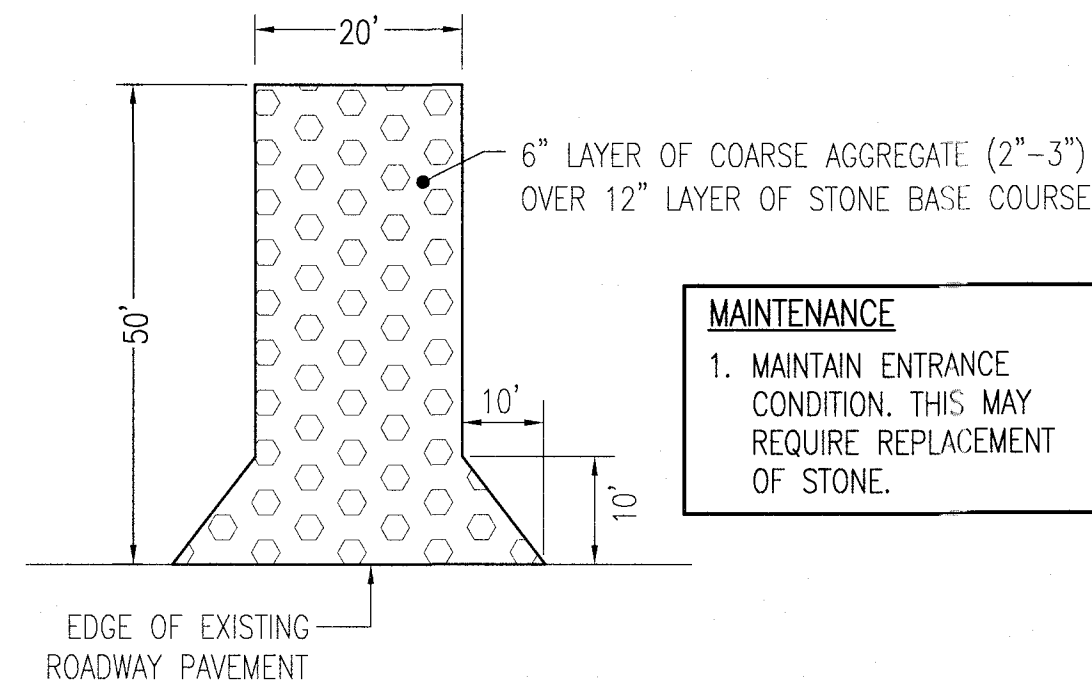
1539 HWY 58

TRENTON, NORTH CAROLINA

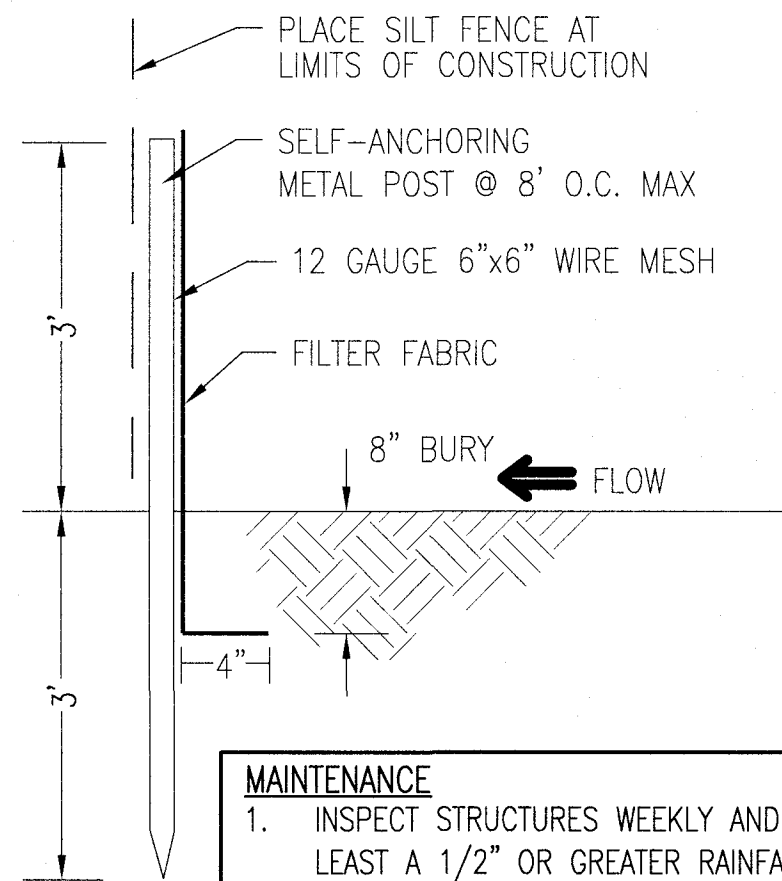
SITE DETAILS

C6

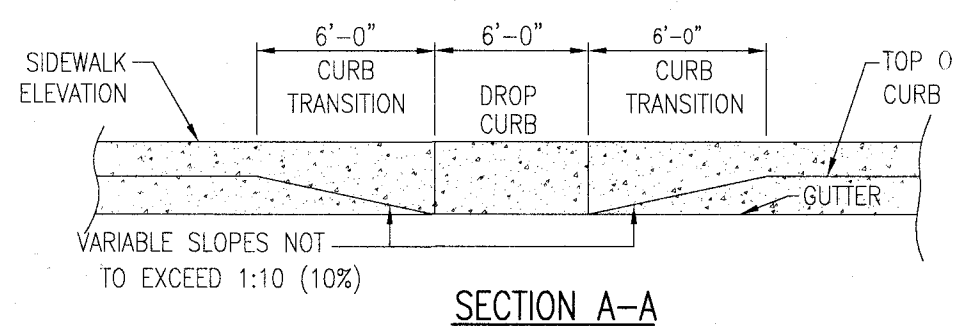
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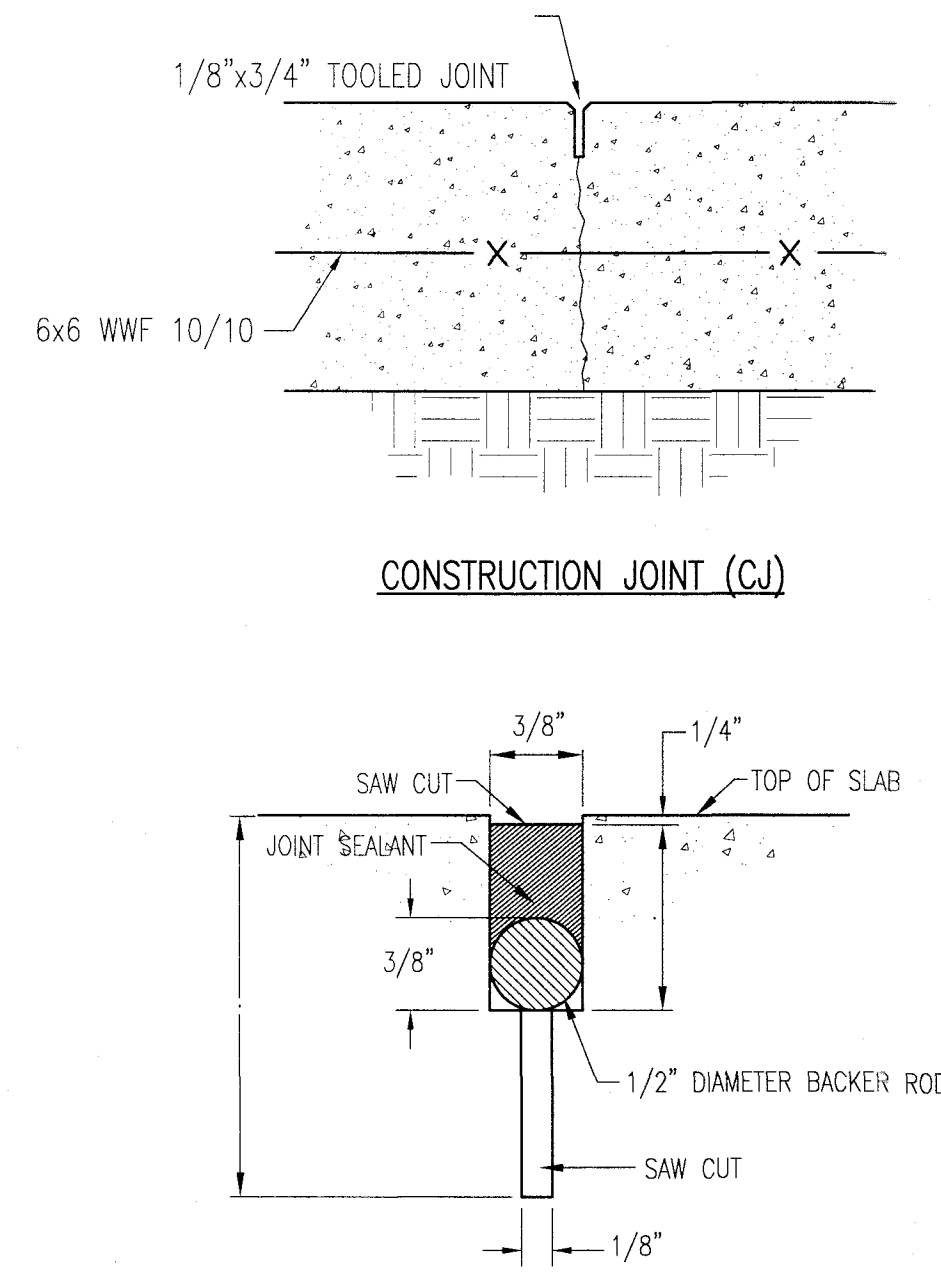
A GRAVEL CONTROL ENTRANCE
NOT TO SCALE



B SILT FENCE
NOT TO SCALE



C ACCESSIBLE RAMP
NOT TO SCALE

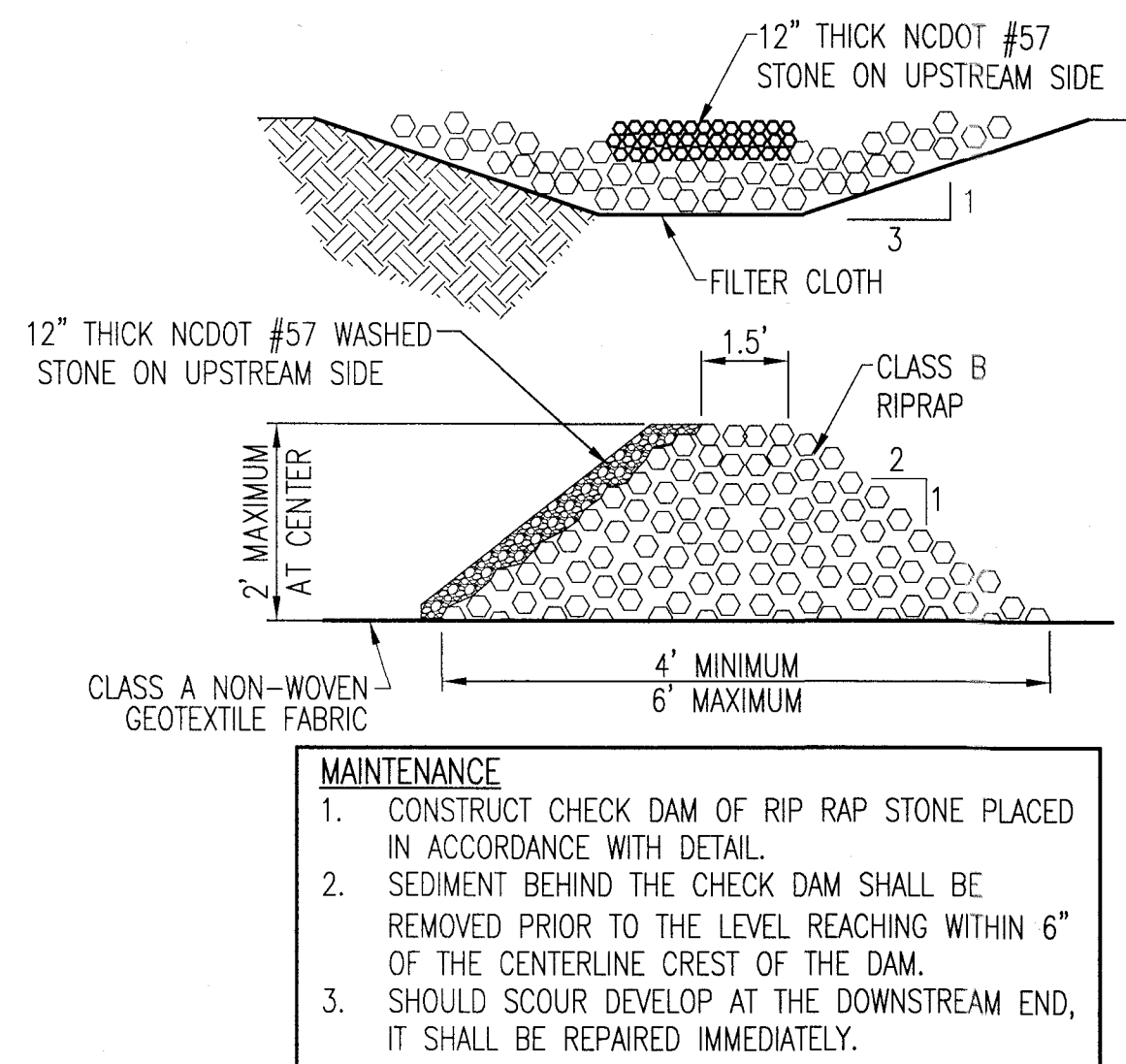


D CONCRETE SIDEWALK
SCALE: NTS

SCHEDULE OF EROSION AND SEDIMENTATION CONTROL ACTIVITIES:

1. OBTAIN APPROVAL OF EROSION & SEDIMENTATION CONTROL PLAN.
2. CONDUCT PRECONSTRUCTION CONFERENCE ON SITE TO ADDRESS EROSION AND SEDIMENTATION CONTROL REQUIREMENTS.
3. INSTALL GRAVEL CONTROL ENTRANCE.
4. INSTALL SILT FENCING AROUND PROJECT PERIMETER.
5. CONSTRUCT BUILDING PAD TO XXX BUILDING CONSTRUCTION.
6. CONSTRUCT GRASS COLLECTION SWALES WITH STABILIZATION LINING ALONG PERIMETER WHERE INDICATED.
7. CONSTRUCT STONE CHECK DAMS IN GRASS SWALES.
8. FINE GRADE THE SITE FOR GRAVEL PARKING, DRIVES, AND STORAGE.
9. COMPLETE SITE IMPROVEMENTS INCLUDING UTILITIES.
10. SEED AND VEGETATE ALL DISTURBED AREAS.
11. RESEED ANY AREAS WHERE VEGETATION HAS NOT BEEN ESTABLISHED.
12. CONSTRUCT GRAVEL AREAS.
13. REPAIR ERODED AREAS AS NEEDED.
14. REMOVE ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL DEVICES.
15. COMPLETE ANY MISCELLANEOUS WORK FOR A FUNCTIONING EROSION CONTROL SYSTEM OR AS DIRECTED BY THE ENGINEER.

E E&SC SCHEDULE
NOT TO SCALE

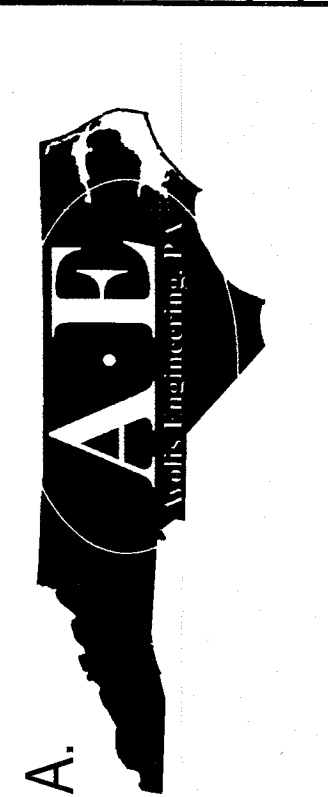


F CHECK DAM
NOT TO SCALE

NO.	DESCRIPTION	BY	DATE
Revisions			



PROJECT NO. 25056
SCALE: AS NOTED
DRAWN BY: JCA
CHECKED BY: JCA
DATE: JULY 28, 2026



AVOLIS ENGINEERING, P.A.
P.O. BOX 15564
NEW BERN, NC 28561
PH: (252) 633-0068

JONES COUNTY PUBLIC WORKS BUILDING
1539 HWY 58
TRENTON, NORTH CAROLINA
SITE DETAILS

C7

25056

GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT

Implementing the details and specifications on this plan sheet will result in the construction activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections E and F, respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

SECTION E: GROUND STABILIZATION

Required Ground Stabilization Timeframes		
Site Area Description	Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None
(b) High Quality Water (HQW) Zones	7	None
(c) Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed
(d) Slopes 3:1 to 4:1	14	-7 days for slopes greater than 50' in length and with slopes steeper than 4:1
		-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones
(e) Areas with slopes flatter than 4:1	14	-10 days for Falls Lake Watershed

Note: After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

GROUND STABILIZATION SPECIFICATION

Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the techniques in the table below:

Temporary Stabilization	Permanent Stabilization
- Temporary grass seed covered with straw or other mulches and tackifiers - Hydroseeding - Rolled erosion control products with or without temporary grass seed - Appropriately applied straw or other mulch - Plastic sheeting	- Permanent grass seed covered with straw or other mulches and tackifiers - Geotextile fabrics such as permanent soil reinforcement matting - Hydroseeding - Shrubs or other permanent plantings covered with mulch - Uniform and evenly distributed ground cover sufficient to restrain erosion - Structural methods such as concrete, asphalt or retaining walls - Rolled erosion control products with grass seed

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS

- Select flocculants that are appropriate for the soils being exposed during construction, selecting from the *NC DWR List of Approved PAMS/Flocculants*.
- Apply flocculants at or before the inlets to Erosion and Sediment Control Measures.
- Apply flocculants at the concentrations specified in the *NC DWR List of Approved PAMS/Flocculants* and in accordance with the manufacturer's instructions.
- Provide ponding area for containment of treated Stormwater before discharging offsite.
- Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

EQUIPMENT AND VEHICLE MAINTENANCE

- Maintain vehicles and equipment to prevent discharge of fluids.
- Provide drip pans under any stored equipment.
- Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
- Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
- Remove leaking vehicles and construction equipment from service until the problem has been corrected.
- Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials.

LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE

- Never bury or burn waste. Place litter and debris in approved waste containers.
- Provide a sufficient number and size of waste containers (e.g dumpster, trash receptacle) on site to contain construction and domestic wastes.
- Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Locate waste containers on areas that do not receive substantial amounts of runoff from upland areas and does not drain directly to a storm drain, stream or wetland.
- Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
- Anchor all lightweight items in waste containers during times of high winds.
- Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
- Dispose waste off-site at an approved disposal facility.
- On business days, clean up and dispose of waste in designated waste containers.

PAINT AND OTHER LIQUID WASTE

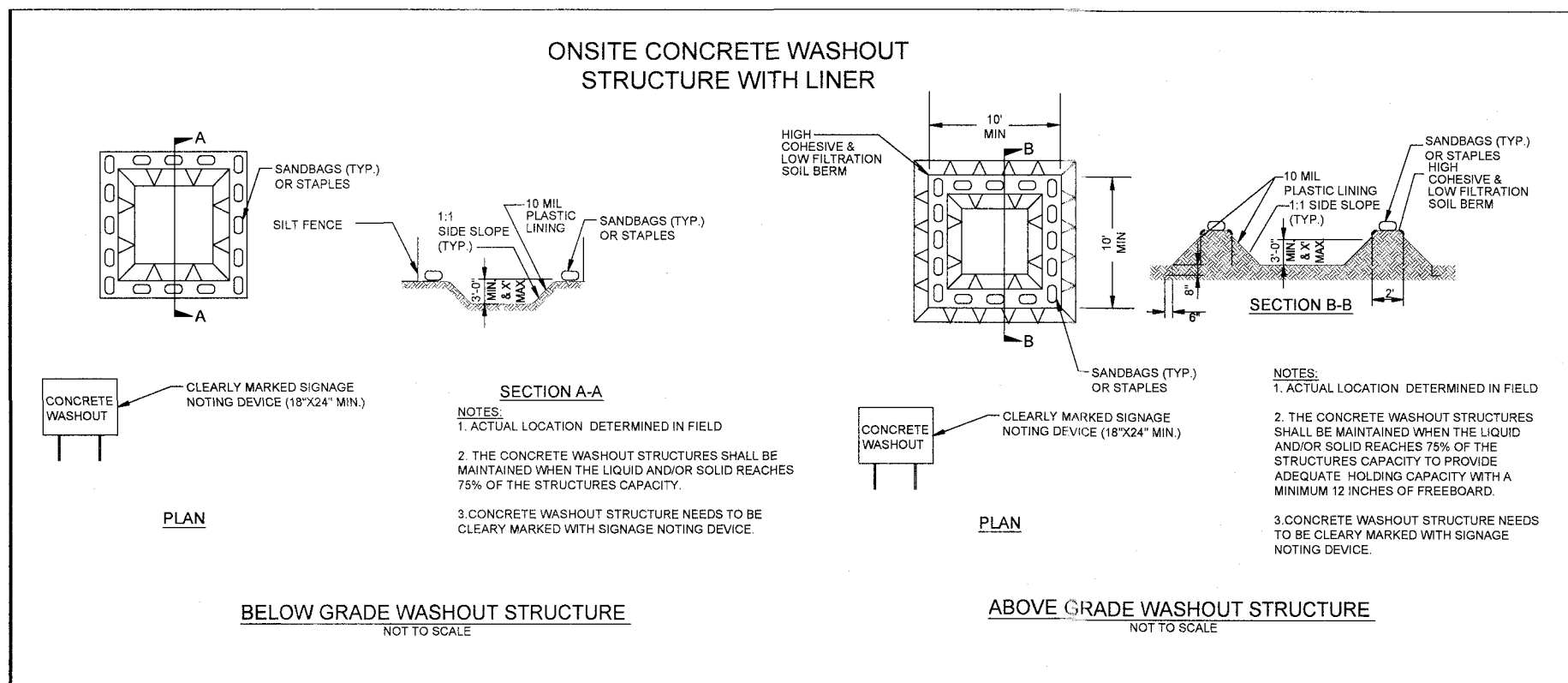
- Do not dump paint and other liquid waste into storm drains, streams or wetlands.
- Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Contain liquid wastes in a controlled area.
- Containment must be labeled, sized and placed appropriately for the needs of site.
- Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

PORTABLE TOILETS

- Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or place on a gravel pad and surround with sand bags.
- Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
- Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.

EARTHEN STOCKPILE MANAGEMENT

- Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably available.
- Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
- Provide stable stone access point when feasible.
- Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated erosion on disturbed soils for temporary or permanent control needs.



CONCRETE WASHOUTS

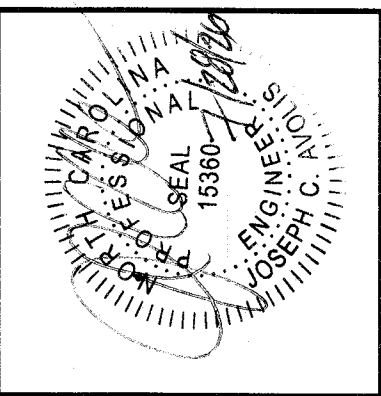
- Do not discharge concrete or cement slurry from the site.
- Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
- Manage washout from mortar mixers in accordance with the above item and in addition place the mixer and associated materials on impervious barrier and within lot perimeter silt fence.
- Install temporary concrete washouts per local requirements, where applicable. If an alternate method or product is to be used, contact your approval authority for review and approval. If local standard details are not available, use one of the two types of temporary concrete washouts provided on this detail.
- Do not use concrete washouts for dewatering or storing defective curb or sidewalk sections. Stormwater accumulated within the washout may not be pumped into or discharged to the storm drain system or receiving surface waters. Liquid waste must be pumped out and removed from project.
- Locate washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. At a minimum, install protection of storm drain inlet(s) closest to the washout which could receive spills or overflow.
- Locate washouts in an easily accessible area, on level ground and install a stone entrance pad in front of the washout. Additional controls may be required by the approving authority.
- Install at least one sign directing concrete trucks to the washout within the project limits. Post signage on the washout itself to identify this location.
- Remove leavings from the washout when at approximately 75% capacity to limit overflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When utilizing alternative or proprietary products, follow manufacturer's instructions.
- At the completion of the concrete work, remove remaining leavings and dispose of in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.

HERBICIDES, PESTICIDES AND RODENTICIDES

- Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.
- Store herbicides, pesticides and rodenticides in their original containers with the label, which lists directions for use, ingredients and first aid steps in case of accidental poisoning.
- Do not store herbicides, pesticides and rodenticides in areas where flooding is possible or where they may spill or leak into wells, stormwater drains, ground water or surface water. If a spill occurs, clean area immediately.
- Do not stockpile these materials onsite.

HAZARDOUS AND TOXIC WASTE

- Create designated hazardous waste collection areas on-site.
- Place hazardous waste containers under cover or in secondary containment.
- Do not store hazardous chemicals, drums or bagged materials directly on the ground.



PROJECT NO. 25056
SCALE: AS NOTED
DRAWN BY: JCA
CHECKED BY: JCA
DATE: JULY 28, 2026

AVOLIS ENGINEERING, P.A.
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PH: (252) 633-0068

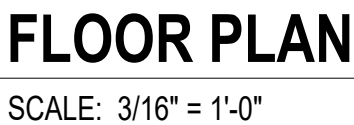
JONES COUNTY PUBLIC WORKS BUILDING
1539 HWY 58
TRENTON, NORTH CAROLINA
NCG01 REQUIREMENTS

ARCHITECTURAL SYMBOLS		
DETAIL NUMBER DETAIL TAG SHEET WHERE DRAWN	ROOM NAME ROOM TAG ROOM NUMBER	PHOTOGRAPH NUMBER PHOTOGRAPH TAG SHEET WHERE SHOWN
SECTION NUMBER BUILDING SECTION TAG SHEET WHERE DRAWN		INTERIOR ELEVATION NUMBER INTERIOR ELEVATION TAG SHEET WHERE DRAWN
SECTION NUMBER WALL / PARTIAL BUILDING SECTION TAG SHEET WHERE DRAWN	NEW WORK KEYNOTE TAG KEYNOTE NUMBER	SPECIALITY ITEM NUMBER SPECIALITY ITEM TAG
DIRECTION OF VIEW ELEVATION NUMBER EXTERIOR ELEVATION TAG SHEET WHERE DRAWN	DEMO KEYNOTE TAG KEYNOTE NUMBER	PARTITION IN PLAN PARTITION TYPE TAG PARTITION TYPE DESIGNATION (REFER TO PARTITION SCHEDULE)
DOOR NUMBER (REFER TO DOOR SCHEDULE) DOOR TAG	WINDOW TYPE LETTER WINDOW TYPE TAG	

MATERIALS LEGEND			
SECTION		ELEVATION	
	WOOD - ROUGH		EIFS - PAINTED
	WOOD BLOCKING		CMU - PAINTED
	PLYWOOD		CMU - PAINTED - ACCENT
	CONCRETE MASONRY UNIT		GLAZED BLOCK
	BRICK		GLAZING
	CAST-IN-PLACE CONCRETE		SPANDREL GLAZING / STEEL PANEL
	STEEL		CONCRETE FOUNDATION
	ALUMINUM		
	GYPSUM BOARD		
	BATT/LOOSE FILL INSULATION		
	RIGID INSULATION		
	SAND / MORTAR / PLASTER		
	EARTH / COMPACT FILL		
	POROUS FILL / GRAVEL		
	ACOUSTICAL TILE CEILING		
	CERAMIC TILE		
	FINISHED WOOD		

AB	ANCHOR BOLT	CPT	CARPET / COMMON PATH OF TRAVEL	GA	GAUGE	NTS	NOT TO SCALE	SF	SQUARE FOOT
ACS PNL	ACCESS PANEL	CT	CERAMIC TILE	GALV	GALVANIZED	OA	OUTSIDE AIR	SH	SHINGLES / SINGLE HUNG
ADJ	ADJUST	CTR	CENTER	GFCI	GOVERNMENT FURNISHED CONTRACTOR INSTALLED	OC	ON CENTER	SIM	SIMILAR
ALT	ALTERNATE, ALTITUDE	D	DEPTH / DEEP	GL	GLASS / GROUND LEVEL	OD	OUTSIDE DIAMETER / DIMENSION	SPC	SUSPENDED PLASTER CEILING
ALUM	ALUMINUM	DEG	DEGREE	GR	GROSS	OPH	OPPOSITE HAND	SPEC	SPECIFICATION
ANOD	ANODIZED	DEMO	DEMOLITION	GSU	GLAZED STRUCTURAL UNIT	OPNG	OPENING	SQ	SQUARE
APPROX	APPROXIMATE	DET	DETAIL	GYP	GYPSUM	OPP	OPPOSITE	STD	STANDARD
ARCH	ARCHITECT	DIA	DIAMETER	H	HIGH	OPT	OPTIONAL	STOR	STORAGE
ASPH	ASPHALT	DIM	DIMENSION	HB	HOSE BIB	PCT	PERCENT	STR	STRAIGHT STRIKE / STRINGERS
ATC	ACOUSTICAL TILE CEILING	DR	DRAIN	HDW	HARDWARE	PEJ	PREMOLDED EXPANSION JOINT	SUSP	SUSPENDED
BD	BOARD	DS	DOWNSPOUT	HM	HOLLOW METAL	PL	PROPERTY LINE	T&B	TOP AND BOTTOM
BLDG	BUILDING	DW	DISHWASHER	HORIZ	HORIZONTAL	PLAS	PLASTER / PLASTIC	TEL	TELEPHONE
BLW	BELOW	DWG	DRAWING	HT	HEIGHT	PLYWD	PLYWOOD	THRES	THRESHOLD
BM	BEAM	E	EAST	HVY	HEAVY	PNL	PANEL	THRU	THROUGH
BOS	BOTTOM OF SLAB / STEEL	EA	EACH	ID	INSIDE DIAMETER	PRELIM	PRELIMINARY	TOS	TOP OF SLAB / STEEL
BOT	BOTTOM	EIFS	EXTERIOR INSULATION & FINISH SYSTEM	INSUL	INSULATION / INSULATED	PSF	POUNDS PER SQUARE FOOT	TYP	TYPICAL
BRG	BEARING	EJ	EXPANSION JOINT	INT	INTERIOR	PSI	POUNDS PER SQUARE INCH	UON	UNLESS OTHERWISE NOTED
BSMT	BASEMENT	EL	ELEVATION	J-BOX	JUNCTION BOX	PT	PAINT	V	VOLT
BTWN	BETWEEN	ELEC	ELECTRIC / ELECTRICAL	JAN	JANITOR CLOSET	QT	QUARRY TILE	VAR	VARIATION
C TO C	CENTER TO CENTER	EPDM	ETHYLENE PROPYLENE DIEN MONOMER	LAV	LAVATORY	R	RADIUS / RISER	VB	VINYL BASE
CAB	CABINET	EQ	EQUAL	LB	POUND	RA	RETURN AIR	VCT	VINYL COMPOSITION TILE
CEM	CEMENT	EQUIP	EQUIPMENT	LT	LIGHT	RAD	RETURN AIR DUCT	VENT	VENTILATION / VENTILATOR
CER	CERAMIC	EW	EACH WAY	MACH	MACHINE	RB	RESILIENT BASE	VERT	VERTICAL
CI	CAST IRON	EWC	ELECTRIC WATER COOLER	MATL	MATERIAL	RD	ROOF DRAIN / ROAD	VEST	VESTIBULE
CIP	CAST IRON PIPE	EXH	EXHAUST	MAX	MAXIMUM	REFL	REFLECT	VS	VENT STACK
CJ	CONTROL / CONSTRUCTION JOINT	EXIST	EXISTING	MECH	MECHANICAL	REFR	REFRIGERATION	VTR	VENT THROUGH ROOF
CLG	CEILING	EXP	EXPANSION / EXPOSED / EXPAND	MFG	MANUFACTURING	REINF	REINFORCE	VWC	VINYL WALL COVERING
CLG REG	CEILING REGISTER	EXT	EXTERIOR	MIN	MINIMUM / MINUTE	REQD	REQUIRED	W	WASTE / WATT / WEST / WIDE
CLR	CLEAR	FD	FLOOR DRAIN	MISC	MISCELLANEOUS	REV	REVISION	W/	WITH
CMU	CONCRETE MASONRY UNIT	FDTN	FOUNDATION	ML	MATCH LINE	RF	RESILIENT FLOORING	W/O	WITHOUT
CND	CONDUIT	FF	FINISH FACE	MO	MASONRY OPENING / MOTOR OPERATED	RL	ROOF LEADER	WC	WATER CLOSET / WALL COVERING
CNDS	CONDENSATE	FG	FIGURE	MTD	MOUNTED	RM	ROOM	WD	WOOD
CNSTR	CONSTRUCTION	FHC	FIRE HOUSE CABINET	MTG	MOUNTING / MEETING	RND	ROUND	WH	WATER HEATER
CNTR	CNTR	FIN FLR	FINISHED FLOOR	MTL	METAL	RO	ROUGH OPENING	WP	WATERPROOFING / WEATHERPROOF / WORKING POINT
CO	CLEANOUT	FOF	FACE OF FINISH	MWP	MEMBRANE WATERPROOFING	RS	ROUGH SAWN	WSCT	WAINSCOT
COL	COLUMN	FOM	FACE OF MASONRY	N	NORTH	RT	RIGHT	WT	WEIGHT
CONC	CONCRETE	FOS	FACE OF STUB / FACE OF SLAB	NIC	NOT IN CONTRACT	S	SOUTH	WWF	WELDED WIRE FABRIC
CONN	CONNECT	FR	FRAME / FIRE RATING / FIRE RESISTANT	NO	NUMBER	SAPC	SUSPENDED ACOUSTICAL PANEL CEILING	XRMR	TRANSFORMER
CONT	CONTINUE / CONTINUOUS	FT	FOOT, FEET	NOM	NOMINAL	SCHED	SCHEDULE		
CORR	CORRIDOR	FTG	FOOTING			SECT	SECTION		

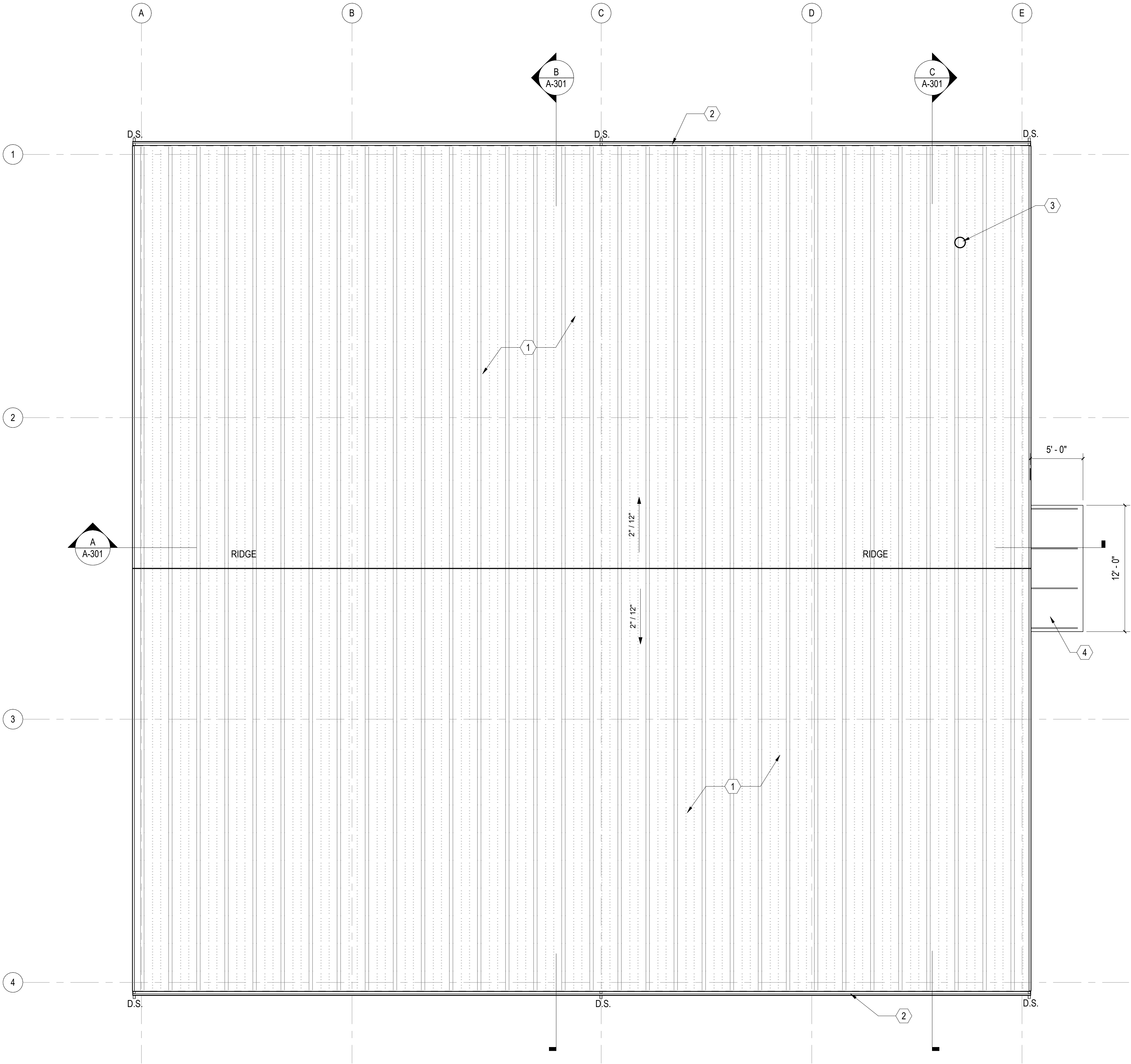
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3/16" = 1'-0"



0' 4' 8' 12'



ROOF PLAN
SCALE: 3/16" = 1'-0"



GENERAL SHEET NOTES

1. REFERENCE SHEET A-001 FOR SYMBOL & MATERIAL LEGEND.
3. ALL DOOR FRAMES ARE TO BE INSTALLED 4" AWAY OF ADJACENT PERPENDICULAR WALLS UNLESS NOTED OTHERWISE.
4. SEE SCHEDULES FOR WALL TYPES, DOOR/FRAME/WINDOW TYPES AND SIZES, AND FLOOR/WALL/CEILING FINISHES.
5. SEE CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES.

KEYNOTES

MARK	DESCRIPTION
1	PRE-ENGINEERED METAL BUILDING ROOF PANELS.
2	6"x6" PREFINISHED METAL GUTTERS WITH 4"x4" DOWNSPOUTS. DOWNSPOUTS ARE INDICATED ON ROOF PLAN AS (D.S.) INSTALL PER MANUFACTURERS INSTRUCTIONS. PROVIDE CONCRETE SPLASH BLOCKS AT DOWNSPOUTS.
3	ROOF TOP PLUMBING VENTS, SEE PLUMBING.
4	5' X 12' PREFINISHED OVERHEAD ROD SUPPORTED METAL CANOPY WITH INTEGRAL GUTTER.

D.S. - DOWNSPOUT LOCATION

GRAPHIC SCALE(S)



WALKER
the GROUP
ARCHITECTURE
incorporated
PO BOX 541, NEW BERN, NC 28563
252-636-8778



Jones County
Public Works
Building

1539 NC HWY 58
TRENTON, NC 28585

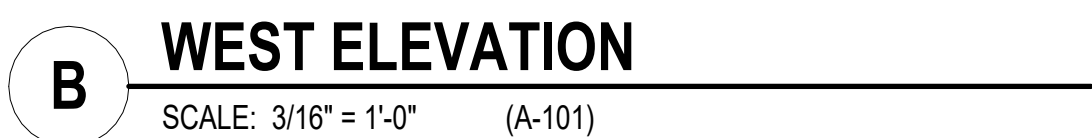
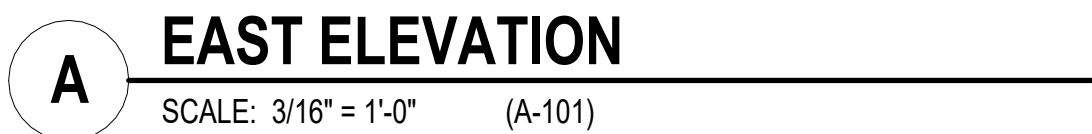
REVISIONS	MARK	DESCRIPTION	DATE

Project Number
2523.JCPW
Date
08/03/26
Drawn
EFC
Checked
CBW
Scale
AS NOTED
Drawing Title

ROOF PLAN

Sheet Number
16 Of 44
Drawing Number

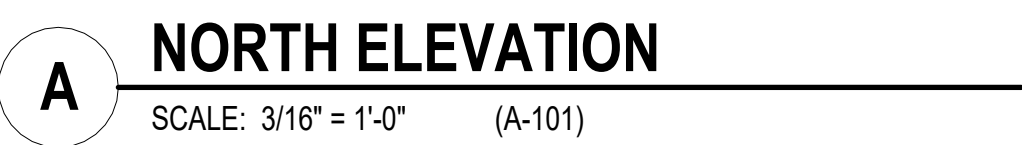
A-103



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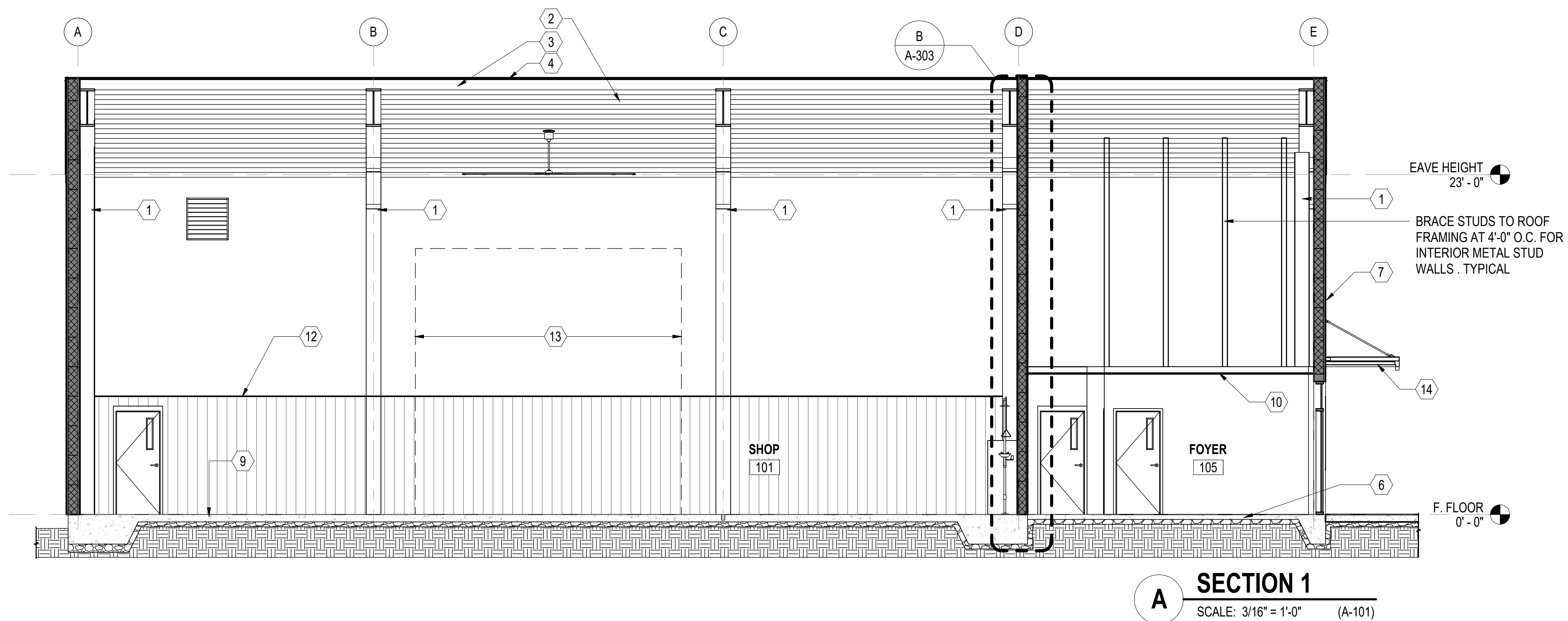
0' 4' 8' 12'

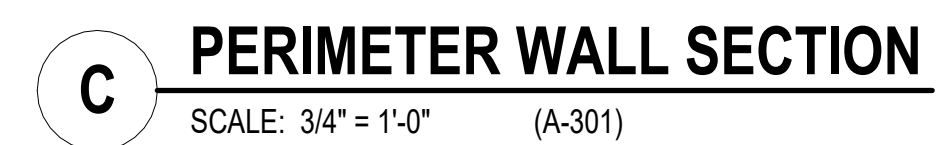
A-201



3/16" = 1'-0" 

A-202





539 NC HWY 58
RENTON, NC 28585

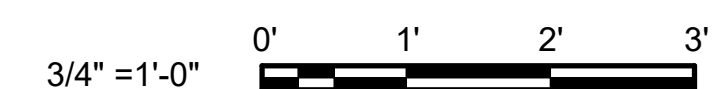
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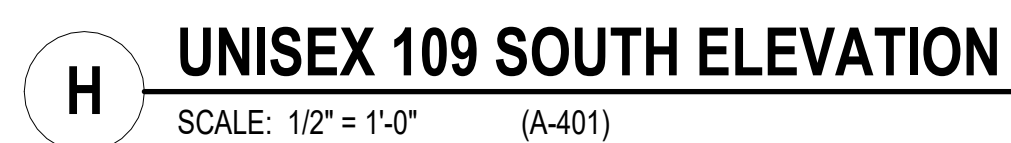
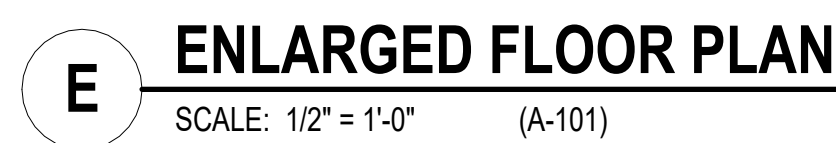
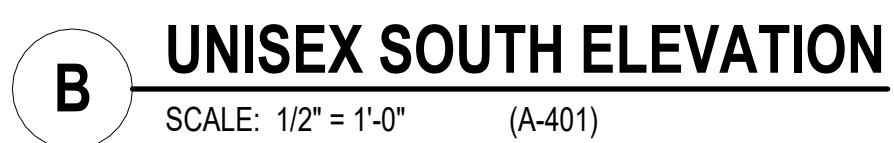
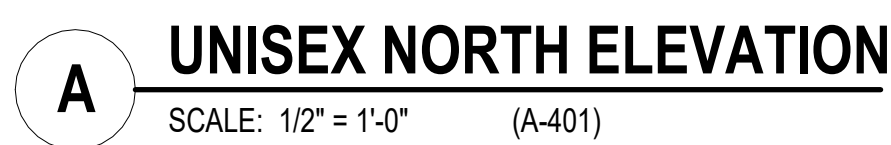
WALL SECTIONS

Drawing Number

A C

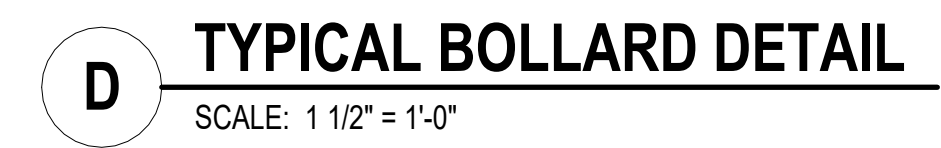
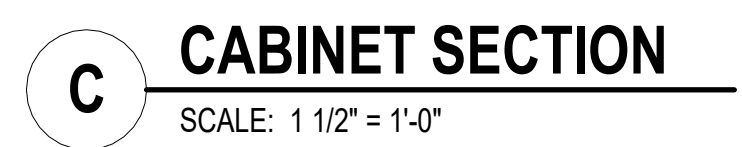
A-303





- 1/2" = 1'-0"
- 
- 0' 1' 2' 4'
- 3" = 1'-0"
- 
- 0' 3" 6" 9"

[illegible]

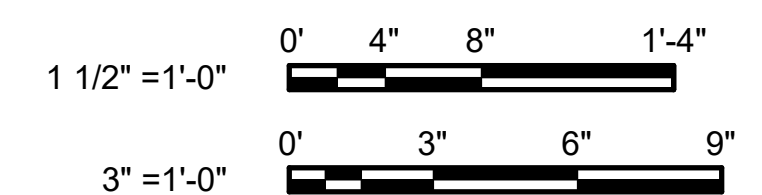


539 NC HWY 58
RENTON, NC 28585

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DETAILS

A-502



FRAME TYPES

F1

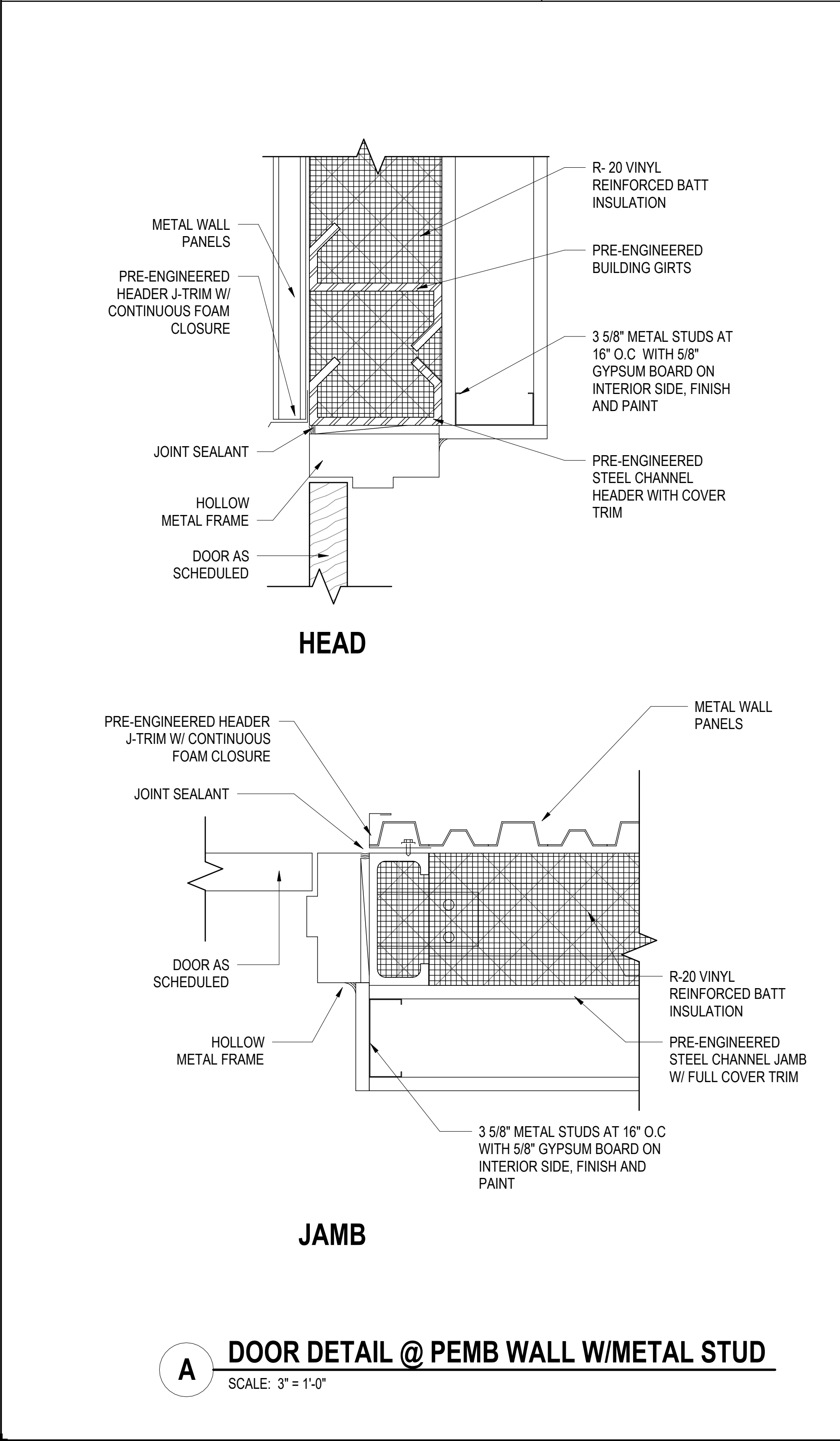
Dimensions for F1:

- Top horizontal section: 3' - 4"
- Left vertical section: 0' - 2"
- Right vertical section: 0' - 2"
- Bottom horizontal section: 3' - 0"
- Left vertical section (inner): 7' - 0"
- Right vertical section (inner): 7' - 2"

S1

Dimensions for S1:

- Top horizontal section: 6' - 0"
- Left vertical section: 2"
- Right vertical section: 2"
- Bottom horizontal section: 5' - 8"
- Left vertical section (inner): 1' - 2"
- Right vertical section (inner): 1' - 2"
- Bottom horizontal section (inner): 3' - 0"
- Left vertical section (outer): 2"
- Right vertical section (outer): 2"
- Bottom horizontal section (outer): 2"
- Left vertical section (total): 9' - 0"
- Right vertical section (total): 9' - 0"
- Bottom horizontal section (total): 6' - 10"



DOOR TYPES

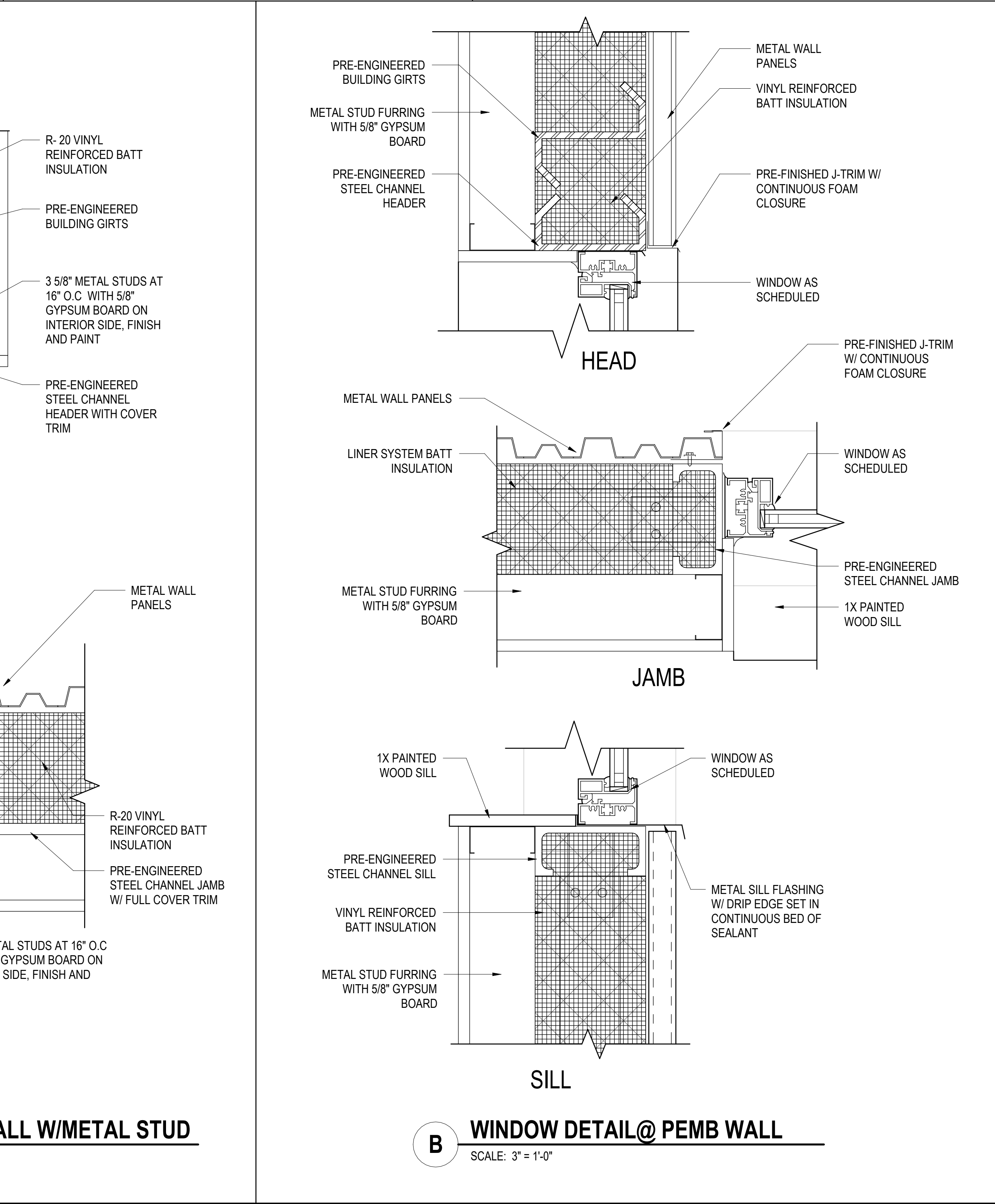
A & F

B

C

D

E



DOOR SCHEDULE										
DOOR NO.	TYPE	DOOR			FRAME				HARDWARE SET NO.	REMARKS
		SIZE		MATERIAL	TYPE	MATERIAL	DETAILS			
		WIDTH	HEIGHT				HEAD	JAMB		
101A	D	3' - 0"	7' - 0"	HM.	F1	HM.	B/A-602	B/A-602	3	PROVIDE 4" x 30" VISION PANEL
101B	F	12' - 0"	14' - 0"	-	MANUF.	-	C/A-602	C/A-602	6	
101C	A	18' - 0"	18' - 0"	-	MANUF.	-	C/A-602	C/A-602	6	
101D	F	12' - 0"	14' - 0"	-	MANUF.	-	C/A-602	C/A-602	6	
101E	D	3' - 0"	7' - 0"	HM.	F1	HM.	B/A-602	B/A-602	3	PROVIDE 4" x 30" VISION PANEL
101F	D	3' - 0"	7' - 0"	HM.	F1	HM.	C/A/601	C/A/601	3	PROVIDE 4" x 30" VISION PANEL. 90MIN FIRE RATED DOOR & FRAME.
102A	B	3' - 0"	7' - 0"	WOOD	F1	HM.	C/A/601	C/A/601	2	PROVIDE 4" x 30" VISION PANEL
103A	B	3' - 0"	7' - 0"	WOOD	F1	HM.	C/A/601	C/A/601	2	PROVIDE 4" x 30" VISION PANEL
104A	B	3' - 0"	7' - 0"	WOOD	F1	HM.	C/A/601	C/A/601	2	PROVIDE 4" x 30" VISION PANEL
105A	D	3' - 0"	7' - 0"	HM.	F1	HM.	B/A-602	B/A-602	3	PROVIDE 4" x 30" VISION PANEL
105B	C	3' - 0"	7' - 0"	ALUM.	S1	ALUM.	A/A-602	A/A-602	1	
105C	D	3' - 0"	7' - 0"	HM.	F1	HM.	B/A-602	B/A-602	3	PROVIDE 4" x 30" VISION PANEL
106A	B	3' - 0"	7' - 0"	WOOD	F1	HM.	C/A/601	C/A/601	4	PROVIDE 4" x 30" VISION PANEL
107A	E	3' - 0"	7' - 0"	WOOD	F1	HM.	C/A/601	C/A/601	5	
108A	E	3' - 0"	7' - 0"	WOOD	F1	HM.	C/A/601	C/A/601	5	

WINDOW SCHEDULE									
MARK	WIDTH	HEIGHT	MATERIAL	FINISH	GLAZING	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	COMMENTS
W1	3' - 0"	5' - 0"	VINYL	PREFINISHED	INSULATED	B/A-601	B/A-601	B/A-601	
STOREFRONT SCHEDULE									
MARK	WIDTH	HEIGHT	MATERIAL	FINISH	GLAZING	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	COMMENTS
S1	6'-0"	9' - 0"	ALUM.	ANODIZED	1" INSUL.	B/A-601	B/A-601	A/A-602	
FINISH SCHEDULE									
NUMBER	NAME	FLOOR	BASE	WALL FINISHES				CEILING	COMMENTS
				NORTH	SOUTH	EAST	WEST		
101	SHOP	S. CONC	-	LINER	LINER	LINER	LINER	EXPOSED	8' PEMB LINER PANELS
104	OFFICE	LVP	VINYL	PAINT	PAINT	PAINT	PAINT	ACT	
103	OFFICE	LVP	VINYL	PAINT	PAINT	PAINT	PAINT	ACT	
102	OFFICE	LVP	VINYL	PAINT	PAINT	PAINT	PAINT	ACT	
106	BREAKROOM	LVP	VINYL	PAINT	PAINT	PAINT	PAINT	ACT	
107	UNISEX	TILE	TILE	TILE	PAINT	PAINT	PAINT	GYP. PAINT	
108	UNISEX	TILE	TILE	PAINT	TILE	PAINT	PAINT	GYP. PAINT	
105	FOYER	LVP	VINYL	PAINT	PAINT	PAINT	PAINT	ACT	

MARK	WIDTH	HEIGHT	MATERIAL	FINISH	GLAZING	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	COMMENTS
W1	3' - 0"	5' - 0"	VINYL	PREFINISHED	INSULATED	B/A-601	B/A-601	B/A-601	

MARK	WIDTH	HEIGHT	MATERIAL	FINISH	GLAZING	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	COMMENTS
S1	6'-0"	9' - 0"	ALUM.	ANODIZED	1" INSUL.	B/A-601	B/A-601	A/A-602	

NUMBER	NAME	FLOOR	BASE	WALL FINISHES				CEILING	COMMENTS
				NORTH	SOUTH	EAST	WEST		
101	SHOP	S. CONC	-	LINER	LINER	LINER	LINER	EXPOSED	8' PEMB LINER PANELS
104	OFFICE	LVP	VINYL	PAINT	PAINT	PAINT	PAINT	ACT	
103	OFFICE	LVP	VINYL	PAINT	PAINT	PAINT	PAINT	ACT	
102	OFFICE	LVP	VINYL	PAINT	PAINT	PAINT	PAINT	ACT	
106	BREAKROOM	LVP	VINYL	PAINT	PAINT	PAINT	PAINT	ACT	
107	UNISEX	TILE	TILE	TILE	PAINT	PAINT	PAINT	GYP. PAINT	
108	UNISEX	TILE	TILE	PAINT	TILE	PAINT	PAINT	GYP. PAINT	
105	FOYER	LVP	VINYL	PAINT	PAINT	PAINT	PAINT	ACT	

The image contains two architectural cross-section drawings of a door assembly at an interior wall. The left drawing is labeled 'HEAD' and the right drawing is labeled 'JAMB'. Both drawings show a door frame assembly with various components labeled with leader lines.

HEAD Detail Labels:

- BUILT-UP HEADER
- JOINT SEALANT AT ALL EDGES
- 3 5/8" METAL STUD WITH GYPSUM BOARD EACH SIDE, FINISH AND PAINT
- HOLLOW METAL FRAME
- DOOR AS SCHEDULED

JAMB Detail Labels:

- DOOR AS SCHEDULED
- 3 5/8" METAL STUD WITH GYPSUM BOARD EACH SIDE, FINISH AND PAINT
- HOLLOW METAL FRAME
- JOINT SEALANT AT ALL EDGES

Section Labels:

- HEAD
- JAMB

Section Title and Scale:

C DOOR DETAIL @ INTERIOR WALL
 SCALE: 3" = 1'-0"

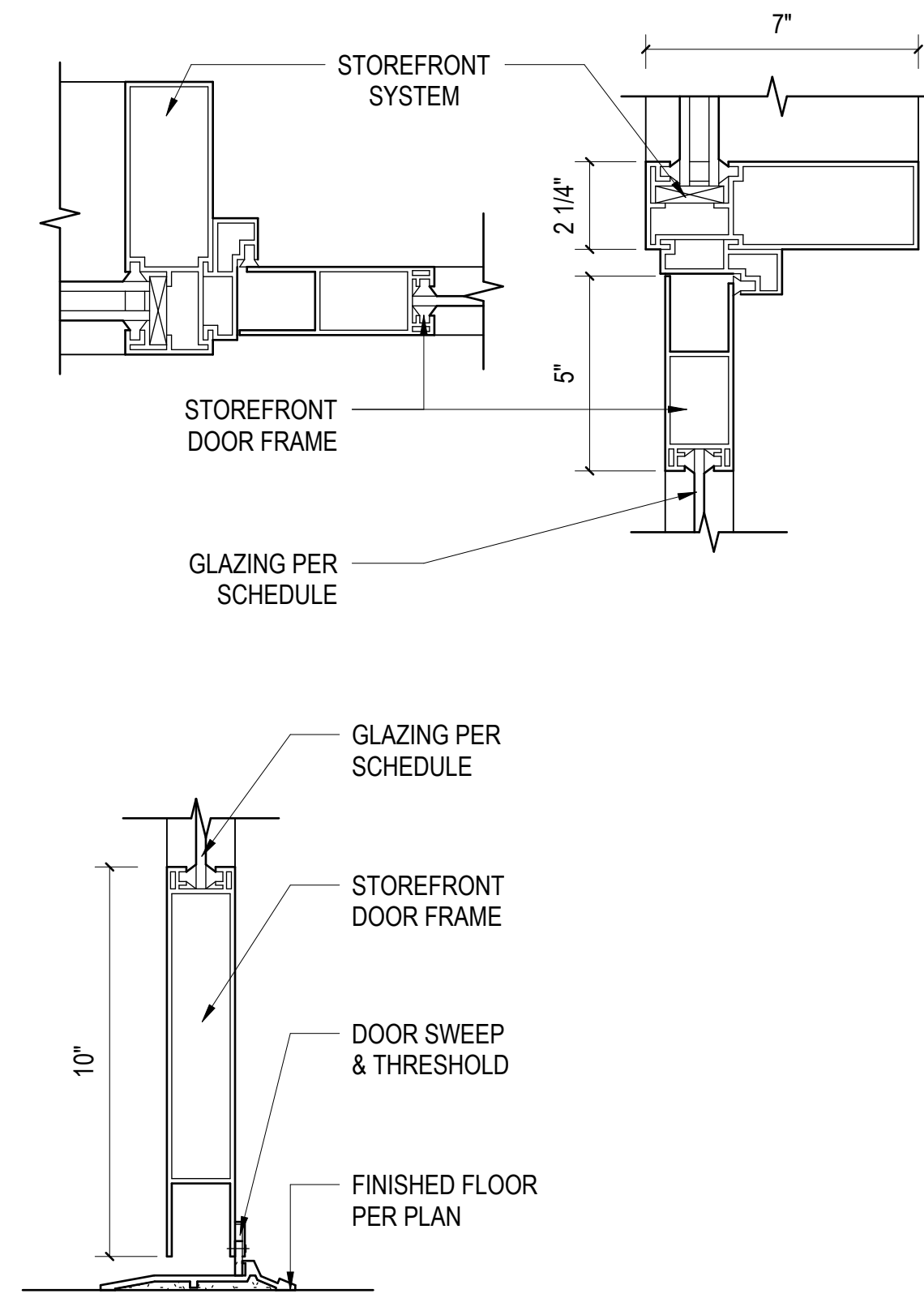
1539 NC HWY 58
TRENTON, NC 28585

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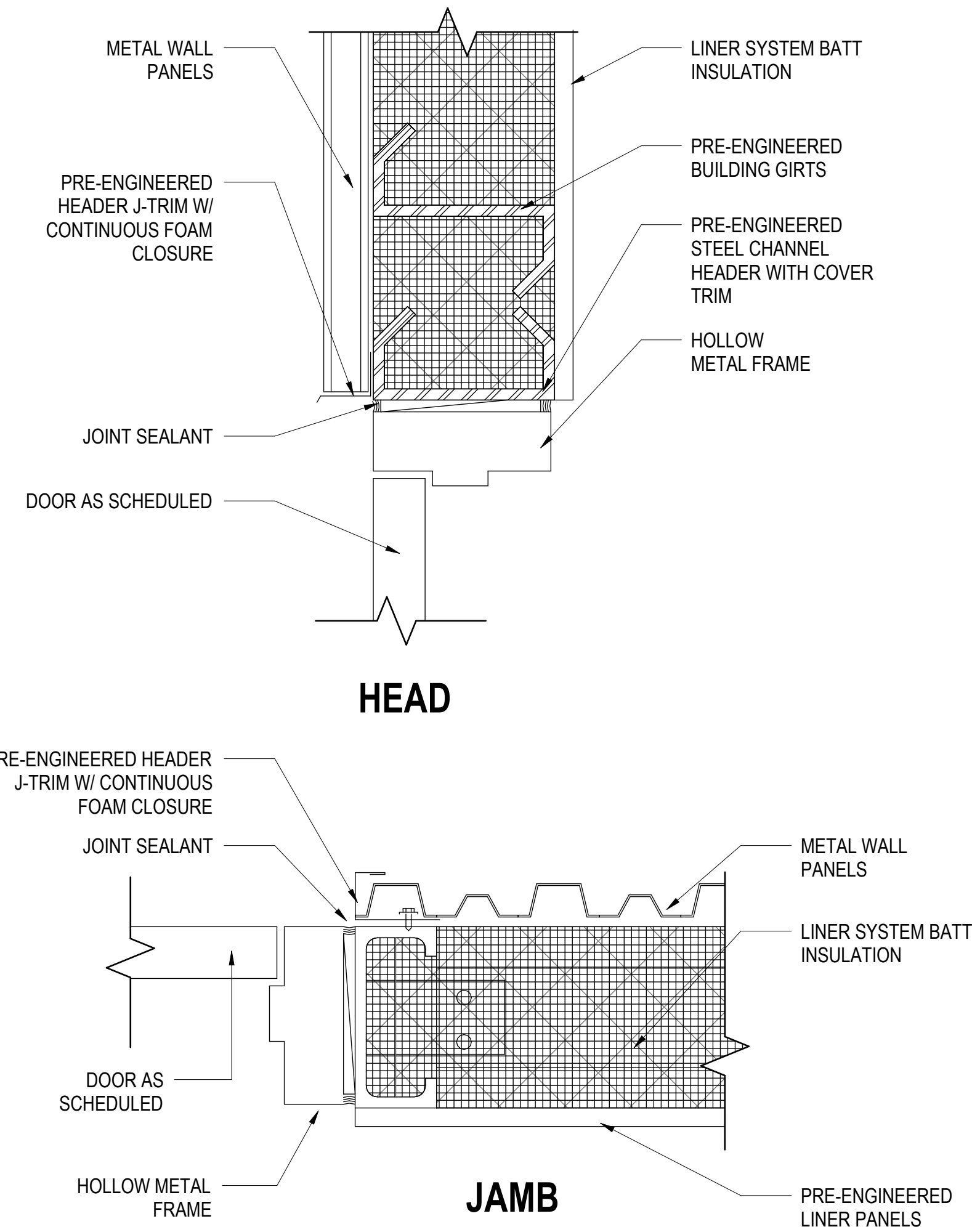
Project Number	Date
2523.JCPW	08/03/26
Drawn	Checked
EFC	CBW
Scale	
AS NOTED	
Drawing Title	

Sheet Number
24 Of 44

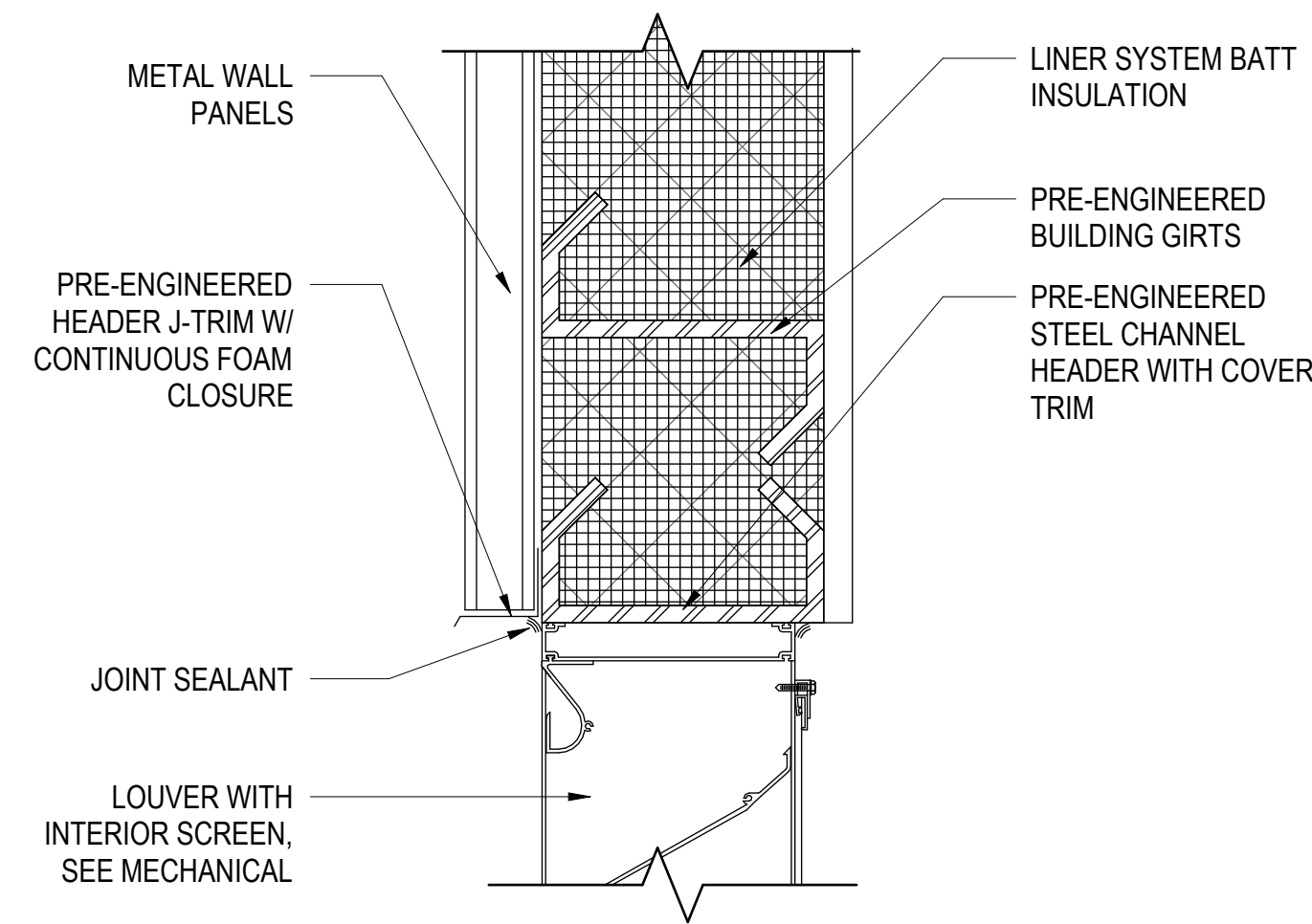
A-601



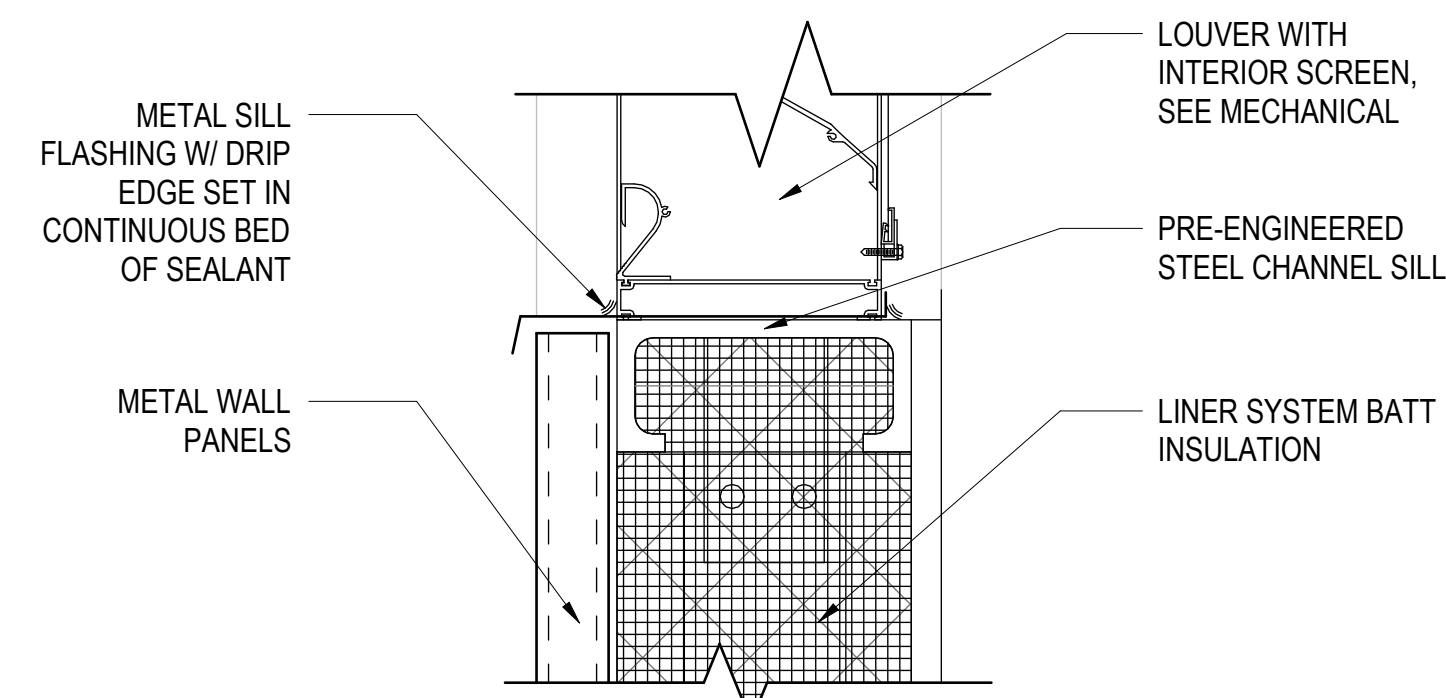
A **STOREFRONT DOOR DETAIL**
SCALE: 3" = 1'-0"



B **DOOR DETAIL @ PEMB WALL**
SCALE: 3" = 1'-0"

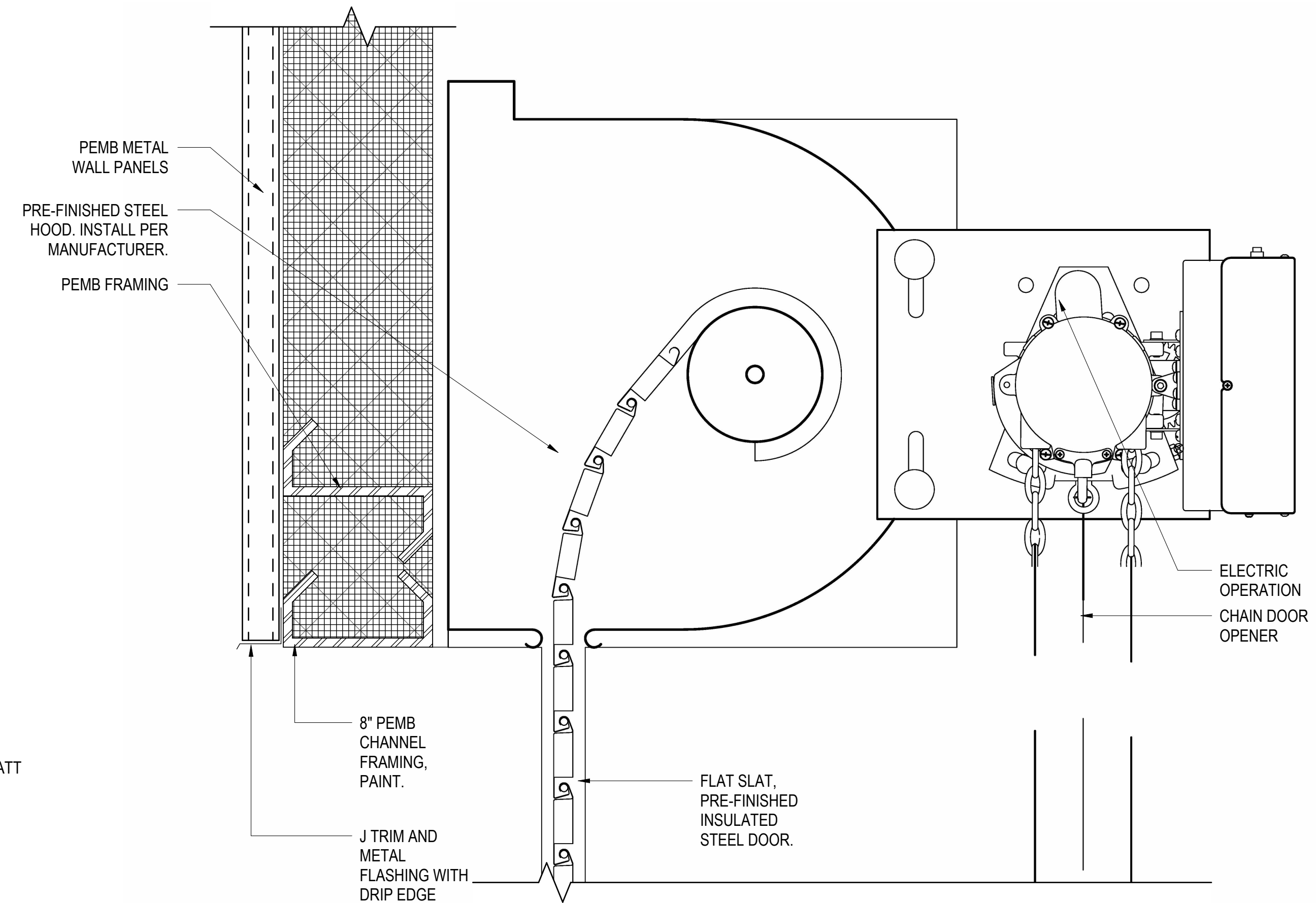


HEAD/JAMB

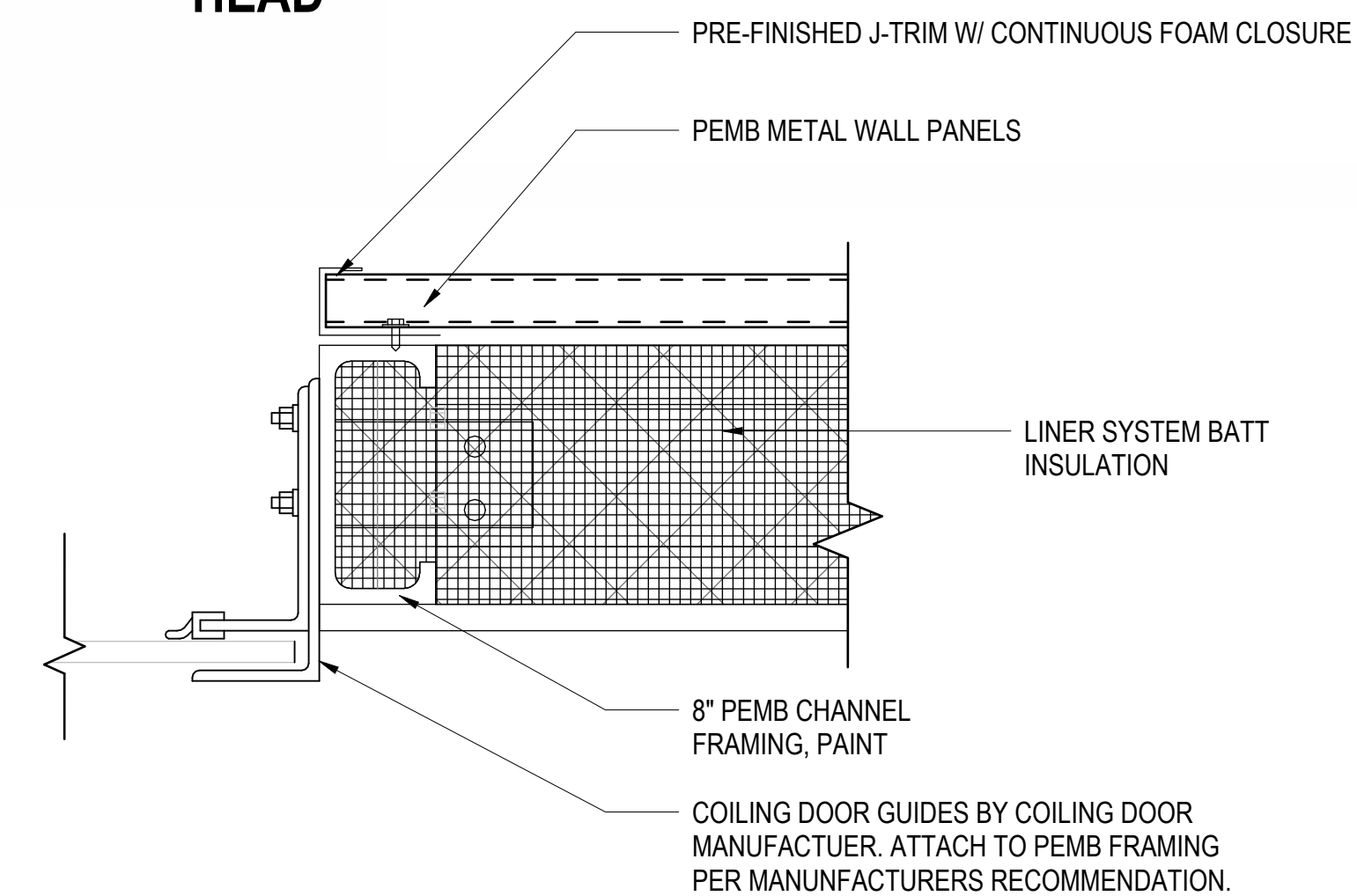


SILL

D **LOUVER DETAIL @ PEMB WALL**
SCALE: 3" = 1'-0"



HEAD



JAMB

C **COILING DOOR @ EXTERIOR WALL**
SCALE: 3" = 1'-0"

REVISIONS		DATE
MARK	DESCRIPTION	

Project Number
2523.JCPW

Date
08/03/26

Drawn
EFC

Checked
CBW

Scale
AS NOTED

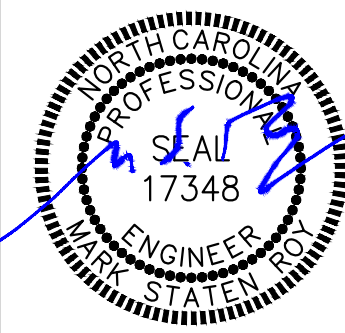
Drawing Title

**STOREFRONT/DOOR
DETAILS**

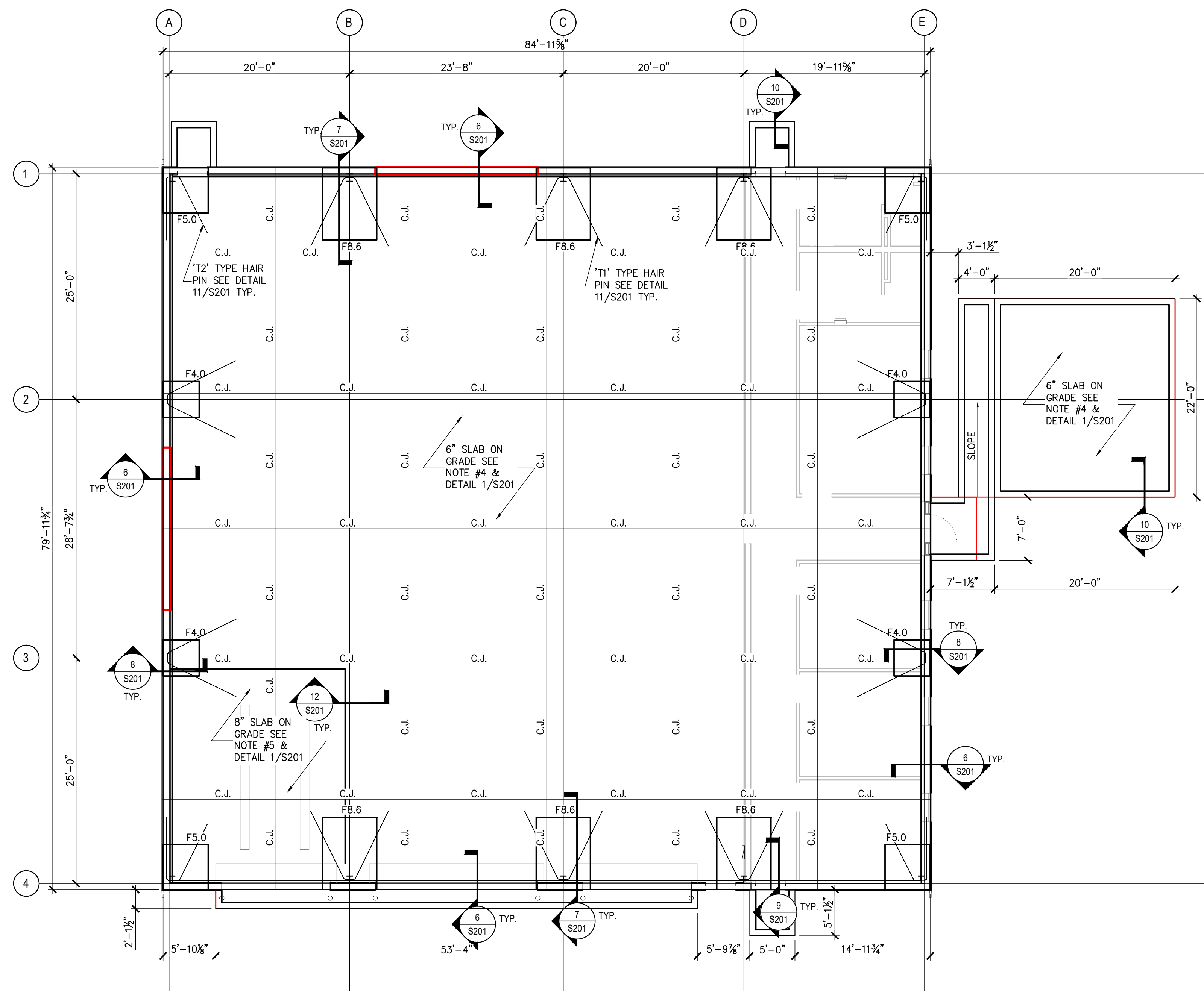
Sheet Number
25 Of 44

Drawing Number

A-602



1539 NC HWY 58
TRENTON, NC 28585


$$1/8'' = 1'-0''$$

1. SEE SHEET S301 FOR DESIGN CRITERIA, GENERAL STRUCTURAL NOTES & SCHEDULES.
2. TOP OF SLAB REFERENCE ELEVATION = 0'-0" UNLESS OTHERWISE NOTED. SEE ARCHITECTURAL AND CIVIL DRAWINGS FOR ACTUAL SITE ELEVATIONS.
3. CONCRETE FLOOR SLAB AT OFFICE AREA IS 4" THICK WITH 6 x 6 @ 2'-1x 1'-0" WELDED WIRE FABRIC, PROVIDED 10 MIL VAPOR BARRIER AND 4" COMPACTED COMPACTED GRANULAR BASE UNDER SLAB. SEE DETAIL 1/S201
4. CONCRETE FLOOR SLAB AT TRUCK BAY AREA IS 6" THICK WITH 6 x 6 @ 2'-9x 2'-9 WELDED WIRE FABRIC, PROVIDED 10 MIL VAPOR BARRIER AND 6" COMPACTED COMPACTED GRANULAR BASE UNDER SLAB. SEE DETAIL 1/S201.
5. CONCRETE FLOOR SLAB AT LOADING DOCK AREA IS 8" THICK WITH #5 BARS @ 12" O.C. EA. WAY, 3" CLEAR FROM BOTTOM. PROVIDED 10 MIL VAPOR BARRIER AND 6" COMPACTED COMPACTED GRANULAR BASE UNDER SLAB. SEE DETAIL 1/S201, SEE DETAIL 4/S201 FOR SLAB CORNER REINFORCEMENT DETAIL. FOR ANCHOR BOLT DETAIL, SEE 5/S201.
6. SEE DETAIL 13/S201 FOR STEPPED DETAIL AS REQUIRED.
7. BIRD-ALT-ALTERNATE NO.2 CONSISTS OF REPLACING GRAVEL AREA AT PORCHES WITH 4" THICK SLAB. IF THIS ALTERNATE IS ACCEPTED, THE 5.0 FOOTING SIZES CHANGE TO 4.0 AND THE FOOTINGS WILL BE MONOLITHIC WITH THE SLAB WITH A THICKENING SLAB EDGE, SIMILAR TO THE OTHER PORCH AREAS.

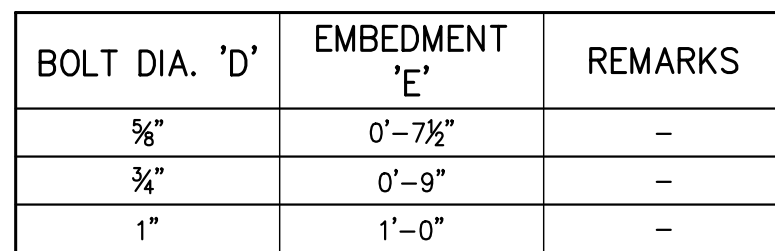
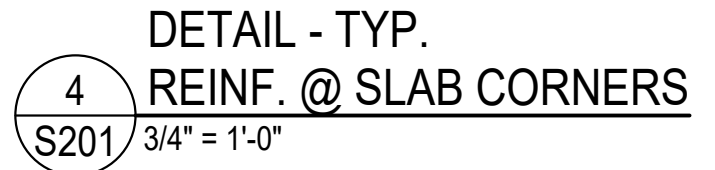
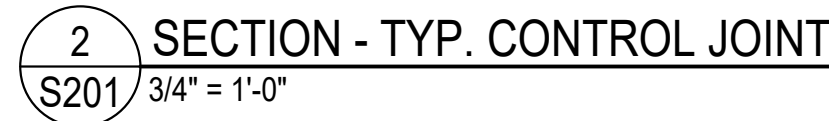
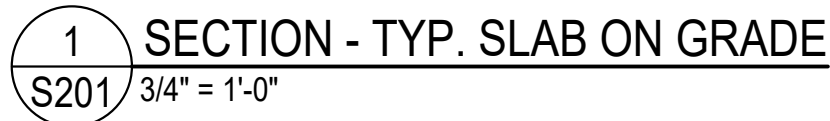
FOUNDATION PLAN LEGEND	
F4.0	DENOTES COLUMN CONCRETE SPREAD FOOTING WITH FOOTING MARK – SEE FOOTING SCHEDULE ON S101 FOR SIZE AND REINFORCING
C.J.	DENOTES SLAB ON GRADE CONSTRUCTION OR SAWCUT CONTROL JOINT – SEE DETAILS 1/5/201 AND 2/5/201 FOR ADDITIONAL INFORMATION
U.O.N.	DENOTES 'UNLESS OTHERWISE NOTED'
PEMB	DENOTES 'PRE-ENGINEERED METAL BUILDING'

FOOTING SCHEDULE			
MARK	FTG. SIZE	REINFORCEMENT	REMARKS
F4.0	4'-0" x 4'-0" x 2'-0"	5 - #5 EACH WAY, TOP. 5 - #6 EACH WAY, BOT.	-
F5.0	5'-0" x 5'-0" x 2'-0"	6 - #5 EACH WAY, TOP. 6 - #6 EACH WAY, BOT.	-
F8.6	8'-0" x 6'-0" x 2'-0"	7 - #5 L.W, TOP. 9 - #5 S.W, TOP. 7 - #6 L.W, BOT. 9 - #6 S.W, BOT.	-

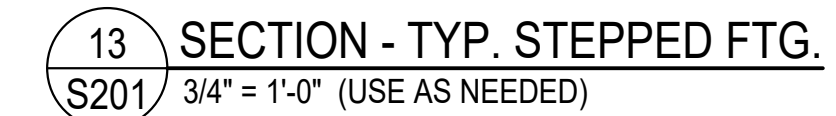
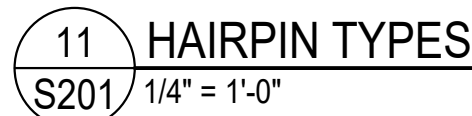
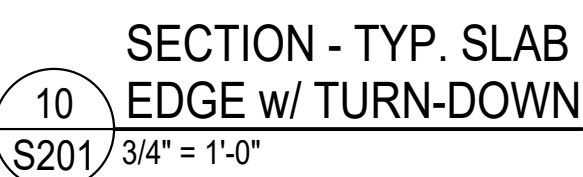
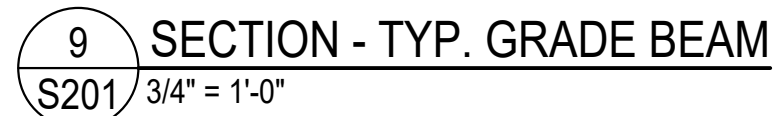
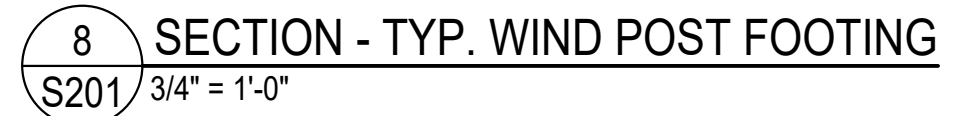
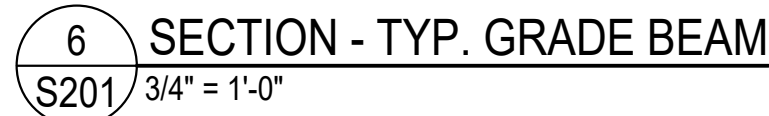
Scale
AS NOTED
Drawing Title

Foundation Plan, Legend, Schedule and Notes

Sheet Number
Of
Drawing Number
S101



5 TYPICAL PEMB ANCHOR BOLT DETAIL
S201 3/4" = 1'-0"



1539 NC HWY 58
TRENTON, NC 28585

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1 Commerce Square Phone :

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Washington, NC 27889
Phone: 252-321-6027
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2025246

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Scale
AS NOTED

Footing Details And Sections

Sheet Number
Of

S201

1. GENERAL NOTES

- ## 2. FOUNDATION

- ### 3. CONCRETE

- #### 4. PRE-ENGINEERED METAL BUILDINGS

- | CONCRETE MATERIALS SCHEDULE | | |
|-----------------------------|---|---------|
| LOCATION | MINIMUM COMPRESSIVE STRENGTH (AT 28 DAYS) | REMARKS |
| FOUNDATIONS | 4000 PSI | — |
| SLAB ON GRADE | 4000 PSI | — |
| EQUIPMENT PADS | 3000 PSI | — |
| MISCELLANEOUS | 3000 PSI | — |
| | | |

EXPOSED CONCRETE FINISH SCHEDULE		
AREA	FINISH	COMMENTS
ALL EXTERIOR WALLS, CURBS, UNLESS NOTED OTHERWISE	SMOOTH FORM	—
EXTERIOR CONCRETE PAVEMENT, SIDEWALKS	COARSE BROOM	—
SLAB ON GRADE	TROWEL	—
EXT. EQUIP. PADS	COARSE BROOM	—

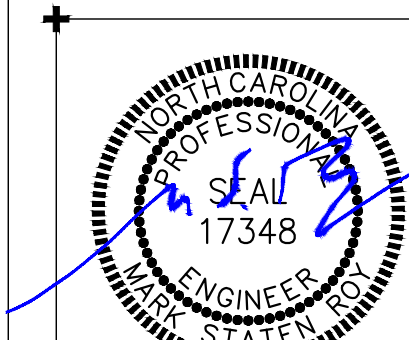
1. DESIGN LOADS:

-
- BEND RADIUS (R)
- 4d_b - No.3 - No.8
 5d_b - No.9 - No.11
 6d_b - No.14 - No.18
- CONCRETE SURFACE
- HOOK DEVELOPMENT LENGTH (L_{dh})
 (CONCRETE EMBEDMENT)
- LAP DISTANCE
 (SEE LAP SPLICE SCHEDULE)

STANDARD HOOKS IN TENSION (PER ACI 318-02)			
HOOK DEVELOPMENT LENGTH L _{dh} (INCHES)			
BAR SIZE	f' _c 3000 psi	f' _c 4000 psi	f' _c 5000 psi
#3	9	7	7
#4	11	10	9
#5	14	12	11
#6	17	15	13
#7	19	17	15
#8	22	19	17

CONCRETE REBAR SPLICE SCHEDULE			
BAR SIZE	LAP LENGTH (in.)		
	f' _a = 3000 psi	f' _c = 4000 psi	f' _c = 5000 psi
#4	22	19	17
#5	28	24	21
#6	32	29	26
#7	48	42	37
#8	55	48	43
#9	62	54	48
#10	68	60	53
#11	76	66	59

- WALKER**
the GROUP
ARCHITECTURE
incorporated
PO BOX 541, NEW BERN, NC 28563
252-636-8778



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TRENTON, NC 28585

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RPA Project No.: 2025246

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Scale

AS NOTED

AS NOTED

Structural Notes & Schedules

Sheet Number
Of

Drawing Number

S301

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TRENTON, NC 28585

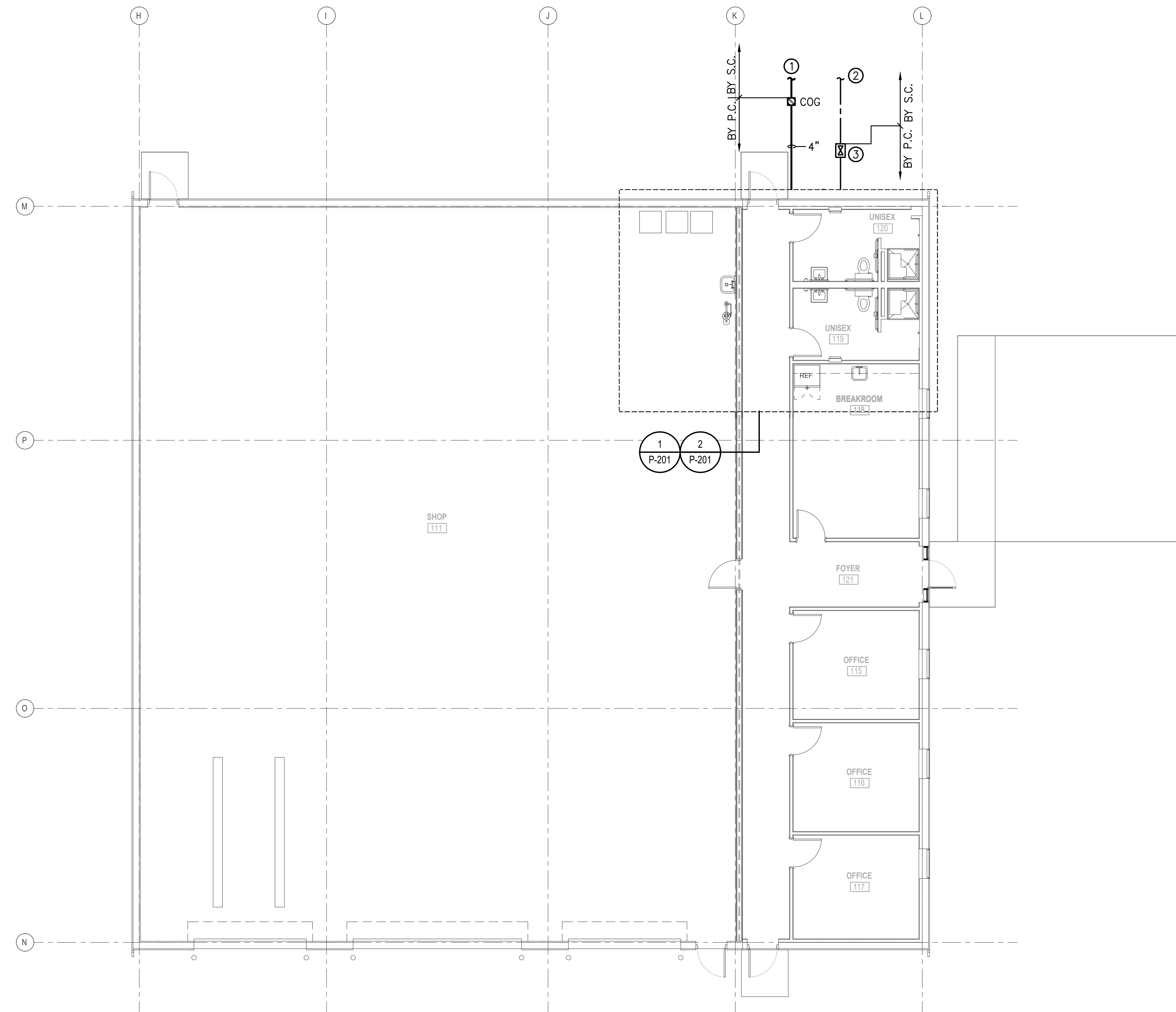
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Scale
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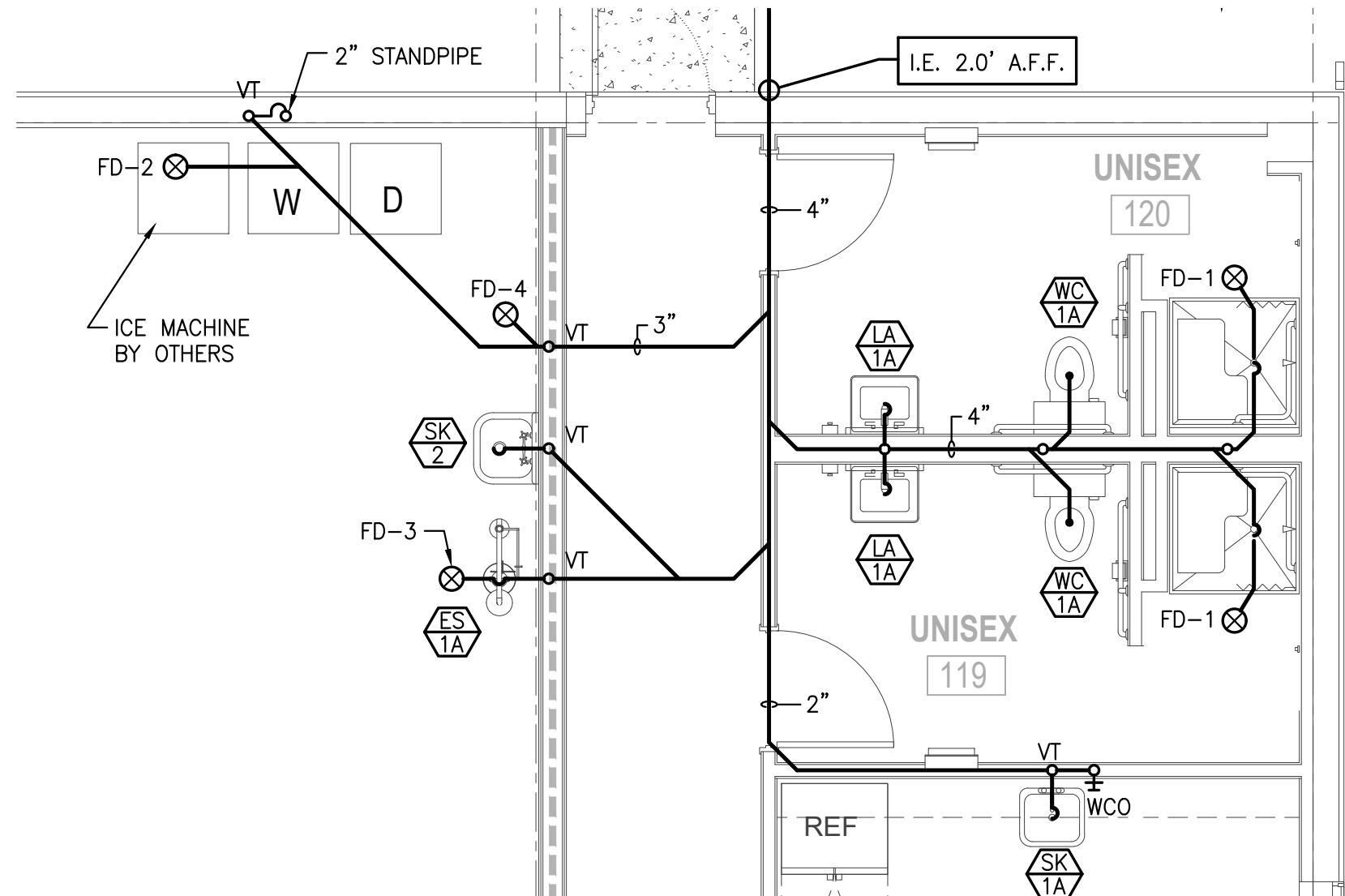
Drawing Title
**OVERALL
PLUMBING
PLAN**

P-101

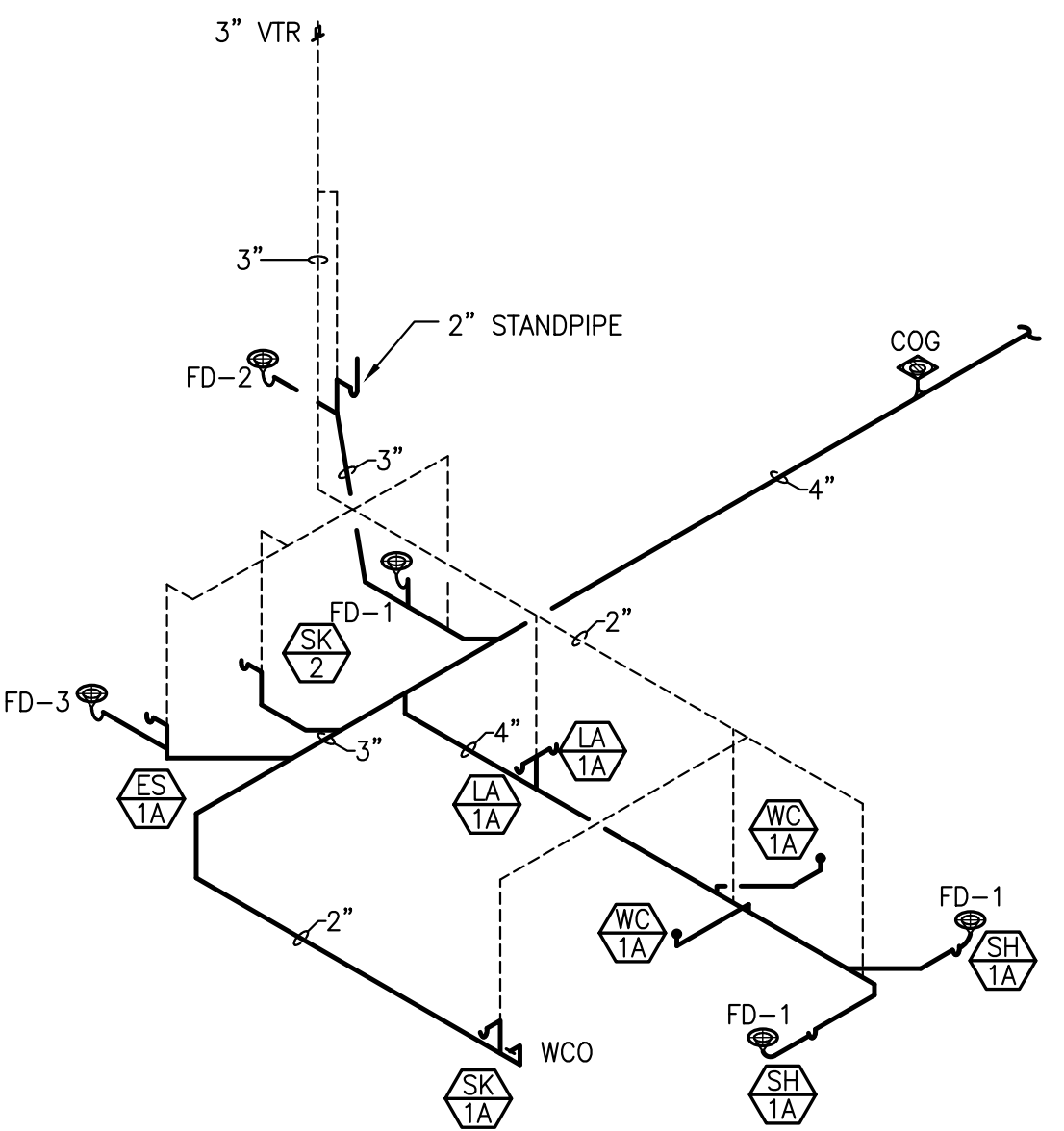
1. BUILDING WASTE. SEE SITE PLAN FOR CONTINUATION.
2. 1 1/4" DOMESTIC WATER SUPPLY. SEE SITE PLAN FOR CONTINUATION AND BACKFLOW LOCATION.
3. MAIN BUILDING SHUT-OFF VALVE IN VALVE BOX.



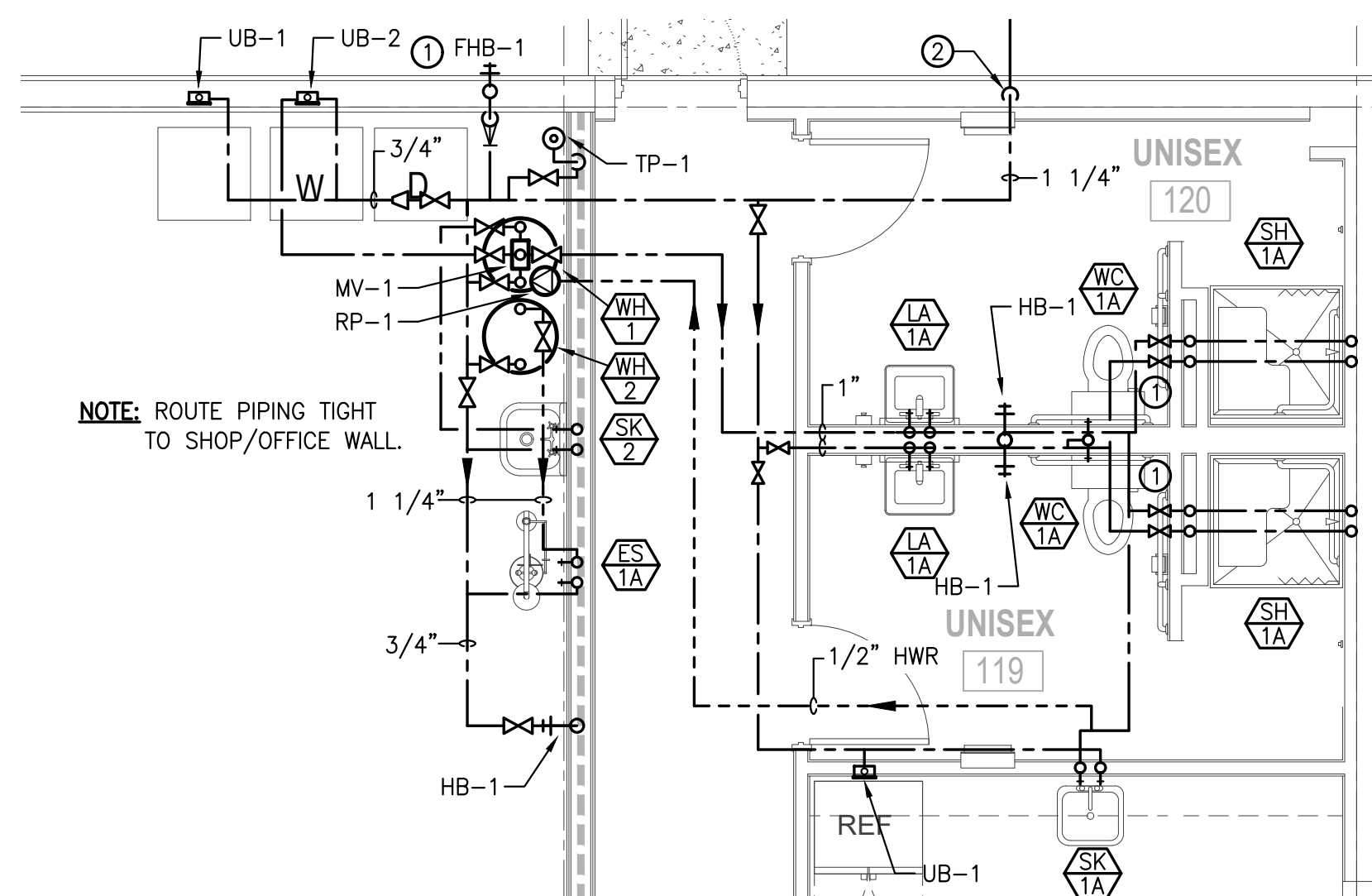
 RATED WALL LEGEND	
	1-HOUR RATED WALL



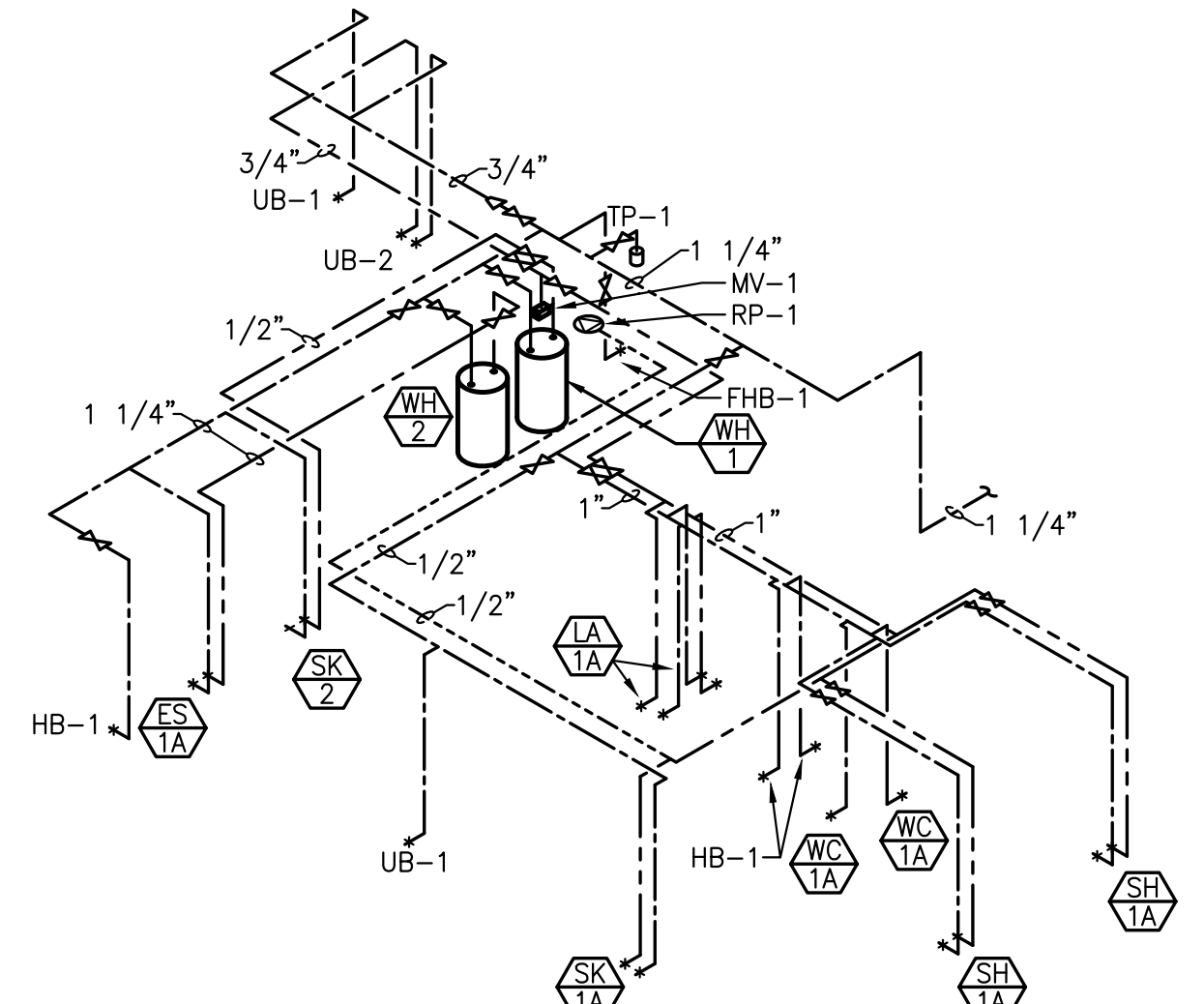
1 PLUMBING DWV PIPING ENLARGED PLAN
SCALE: 1/4" = 1'-0"



3 PLUMBING DWV PIPING RISER - OFFICE
SCALE: N.T.S.



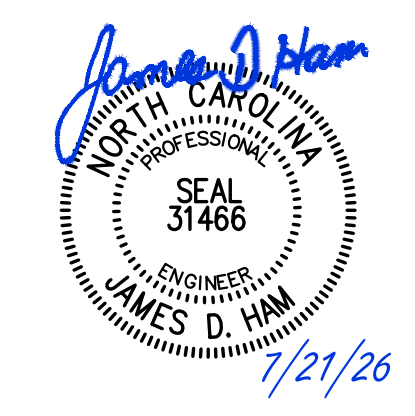
2 PLUMBING WATER PIPING ENLARGED PLAN
SCALE: 1/4" = 1'-0"



4 PLUMBING WATER PIPING RISER - OFFICE
SCALE: N.T.S.

INSTALLATION KEYED NOTES "Ⓢ":

1. PROVIDE 3/4" COLD WATER TO EXTERIOR HOSE BIB. MOUNT SHUTOFF VALVE IN VERTICAL 48" A.F.F.
2. RISE IN WALL TO A.F.C.



Jones County
Public Works
Building

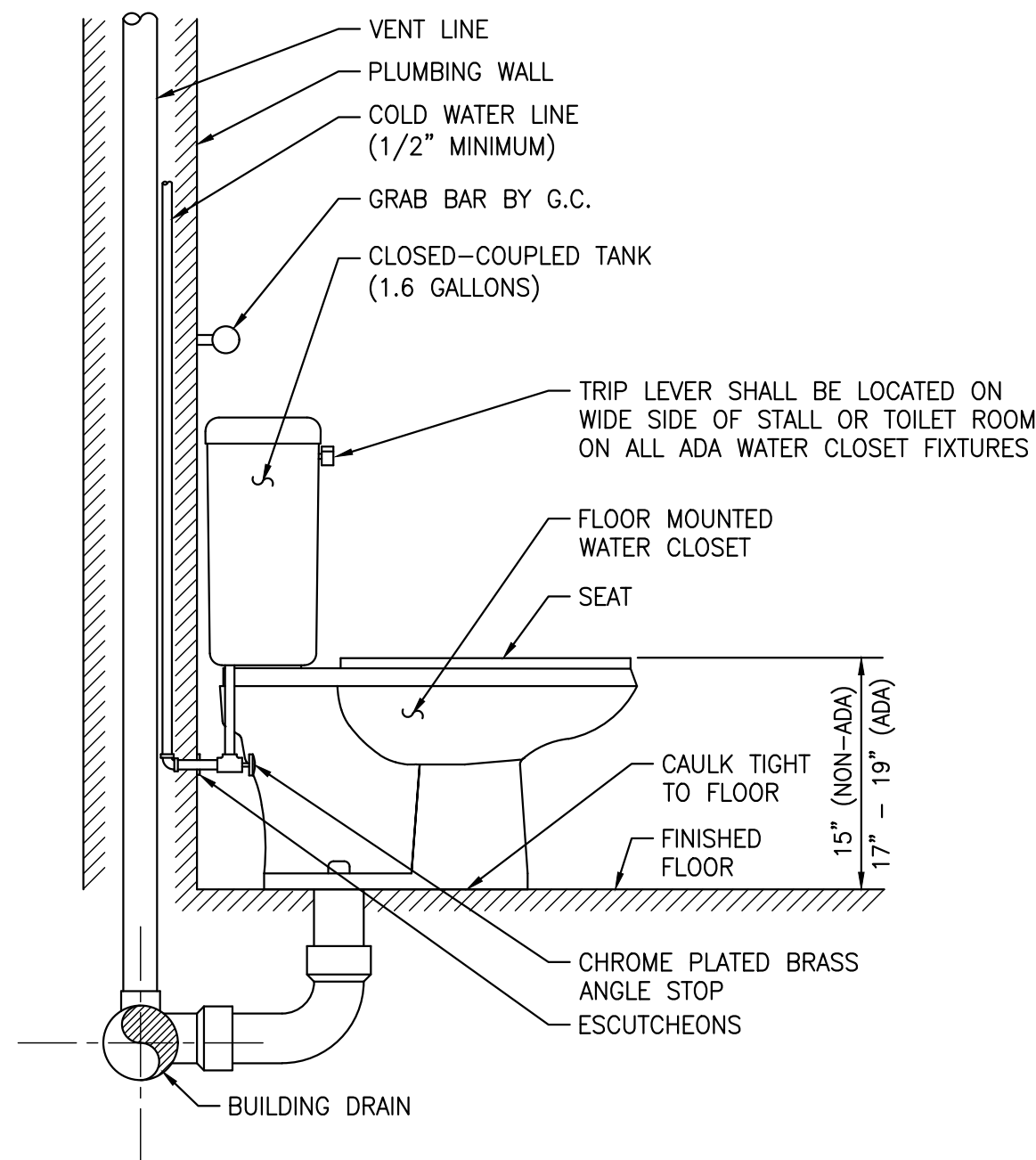
1539 NC HWY 58
TRENTON, NC 28585

Revisions	
No.	Date

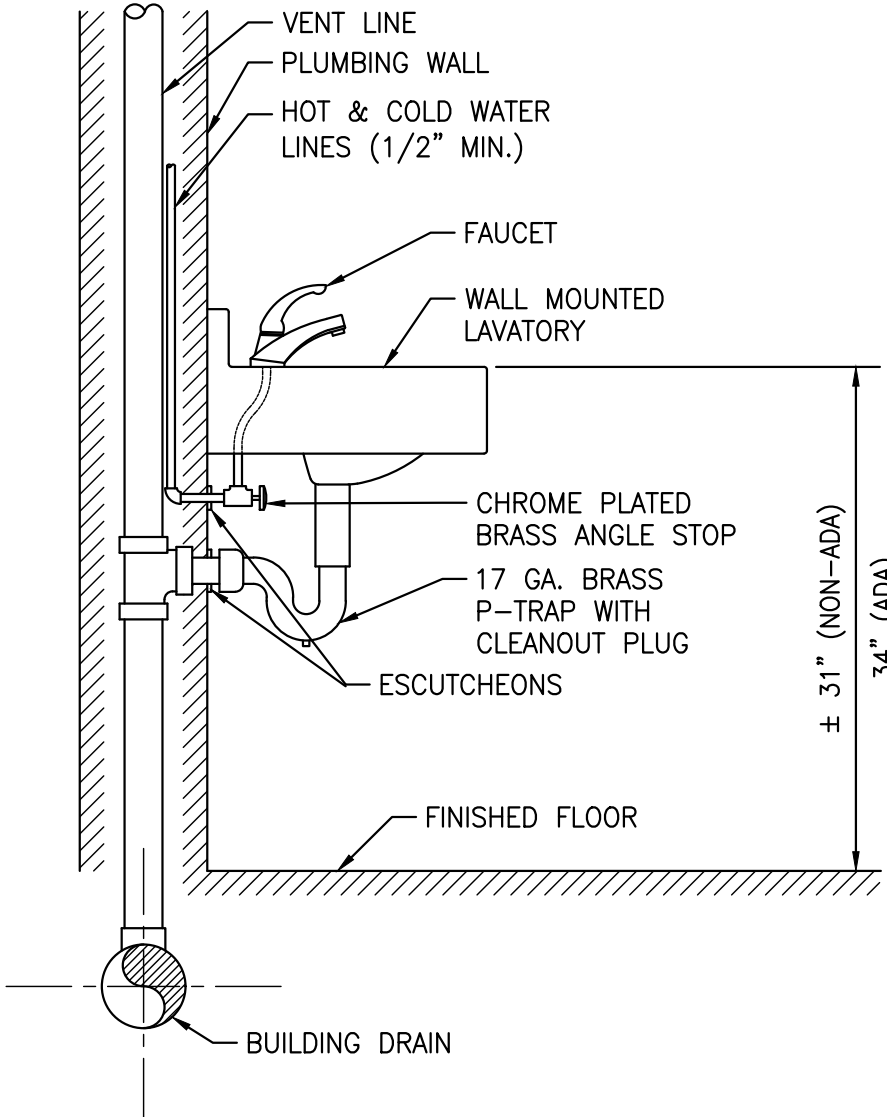
Project Number 2523.JCPW	Date 7/21/26
Drawn	Checked

Scale
AS NOTED
Drawing Title
**ENLARGED
PLUMBING
PLANS**
Sheet Number
2 OF 5
Drawing Number

P-201

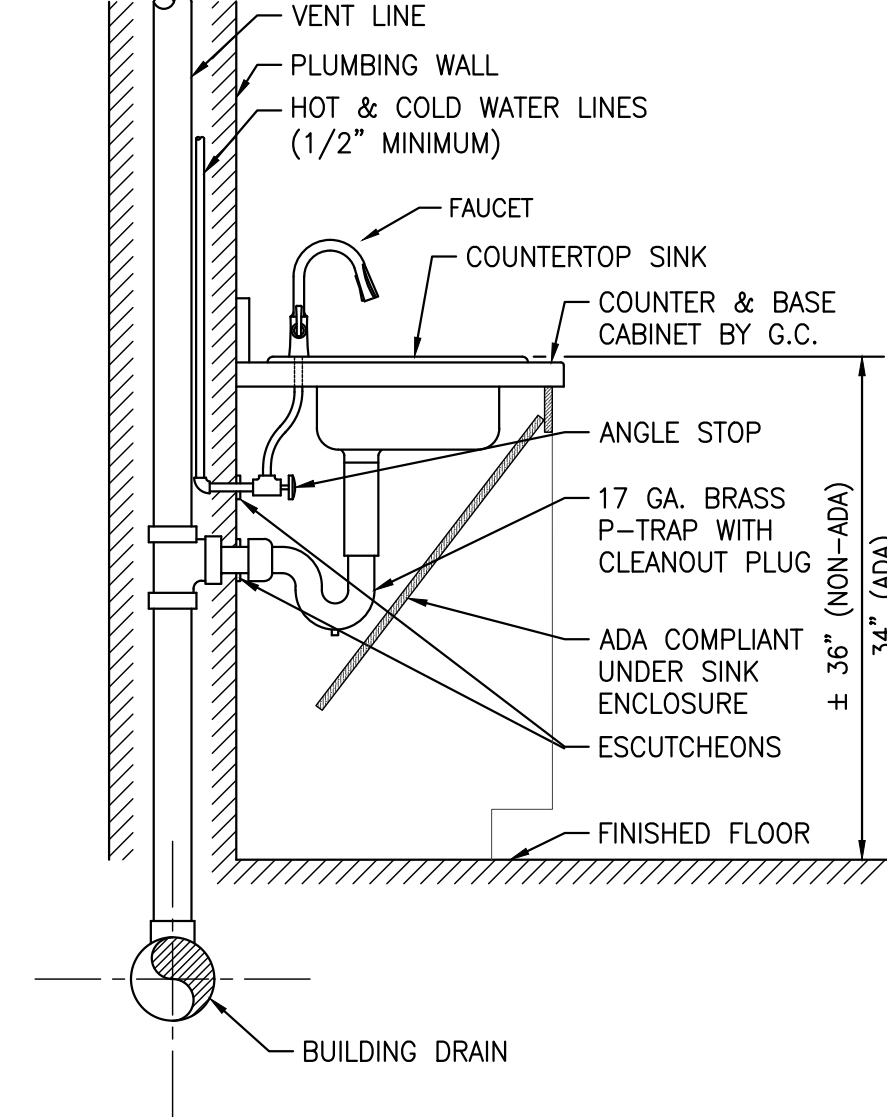


1 FLOOR MOUNTED WATER CLOSET WITH FLUSH TANK DETAIL
SCALE: N.T.S.



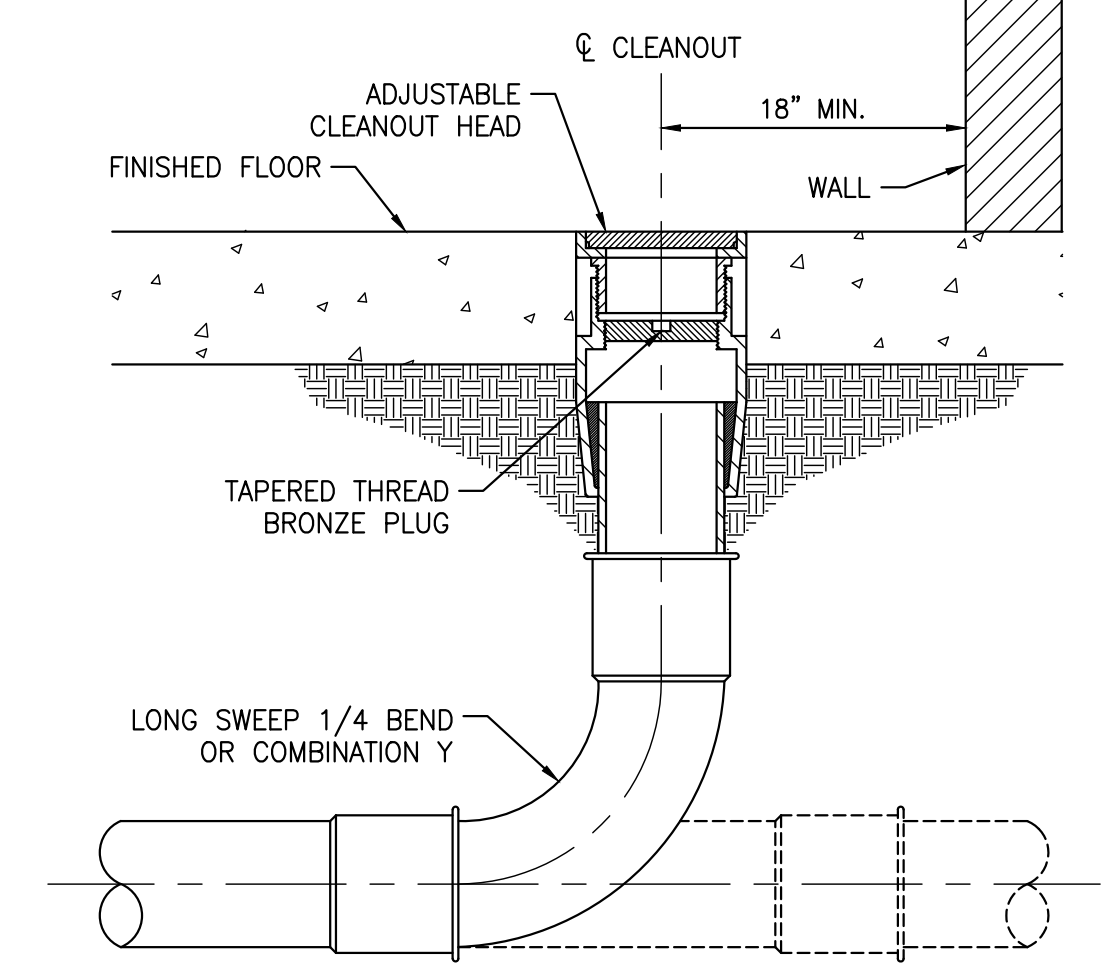
NOTES:
1. PROVIDE ADA LAVATORIES WITH PRE-WRAPPED ANTI-MICROBIAL MOLDED CLOSED CELL VINYL ON EXPOSED HOT & COLD WATER AND DRAIN LINES.
2. WATER SUPPLY INLETS AND RISERS SHALL BE BRASS OR COPPER (CHROME PLATED WHERE EXPOSED TO VIEW).

2 WALL MOUNTED LAVATORY DETAIL
SCALE: N.T.S.

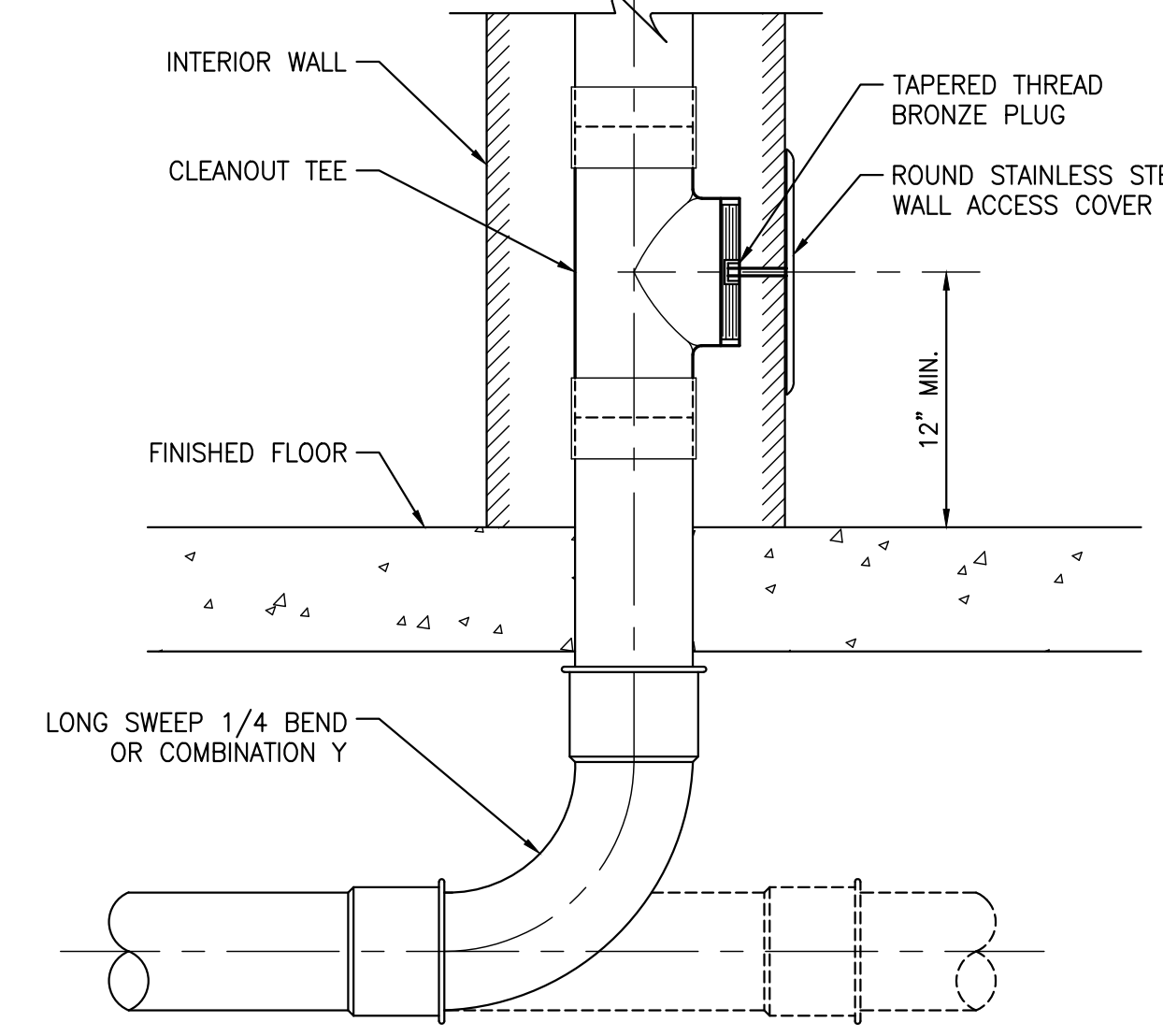


NOTES:
1. G.C. SHALL PROVIDE ADA COMPLIANT UNDERSPACE SINK PROTECTIVE ENCLOSURES FOR ALL ADA SINKS.
2. WATER SUPPLY INLETS AND RISERS SHALL BE BRASS OR COPPER (CHROME PLATED WHERE EXPOSED TO VIEW.)

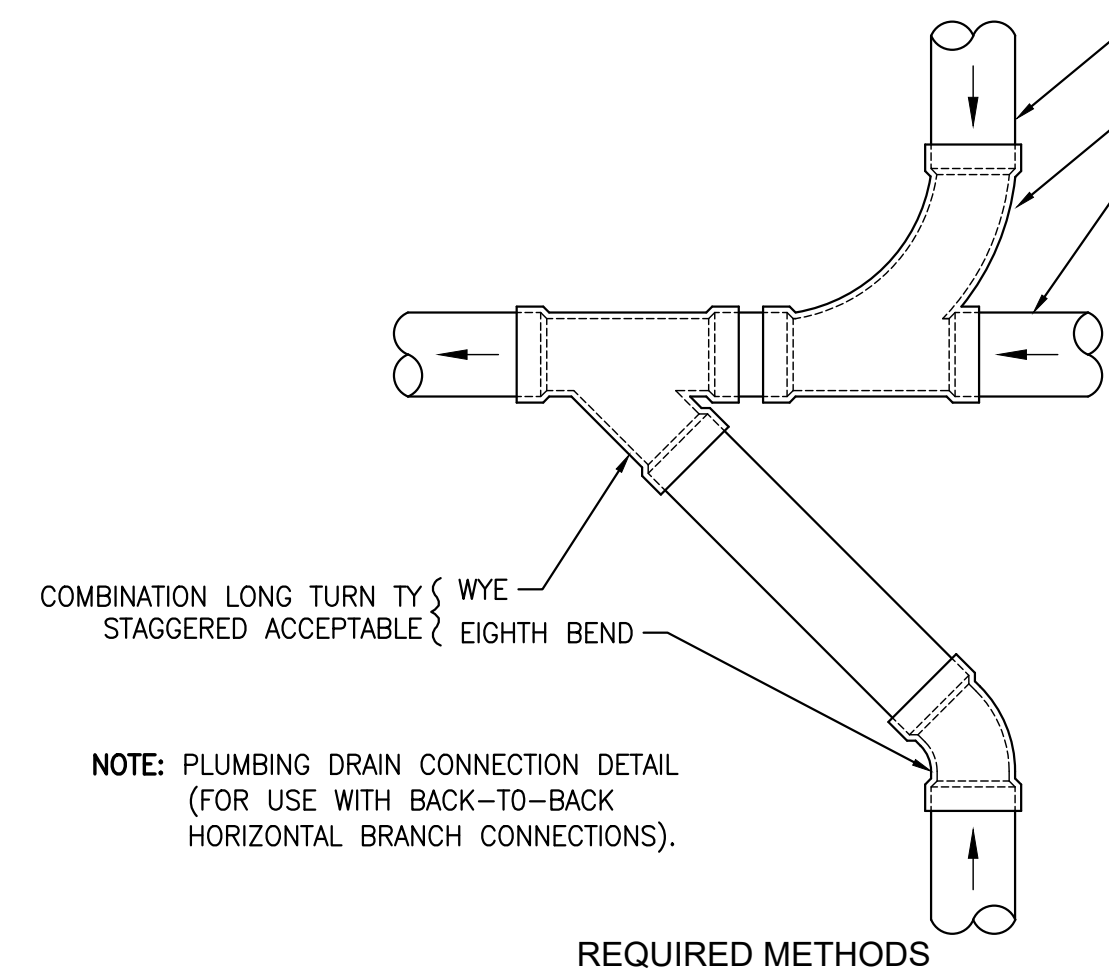
3 COUNTERTOP MOUNTED SINK DETAIL
SCALE: N.T.S.



4 FLOOR CLEANOUT WITH SWEEP BEND OR COMBINATION Y DETAIL
SCALE: N.T.S.



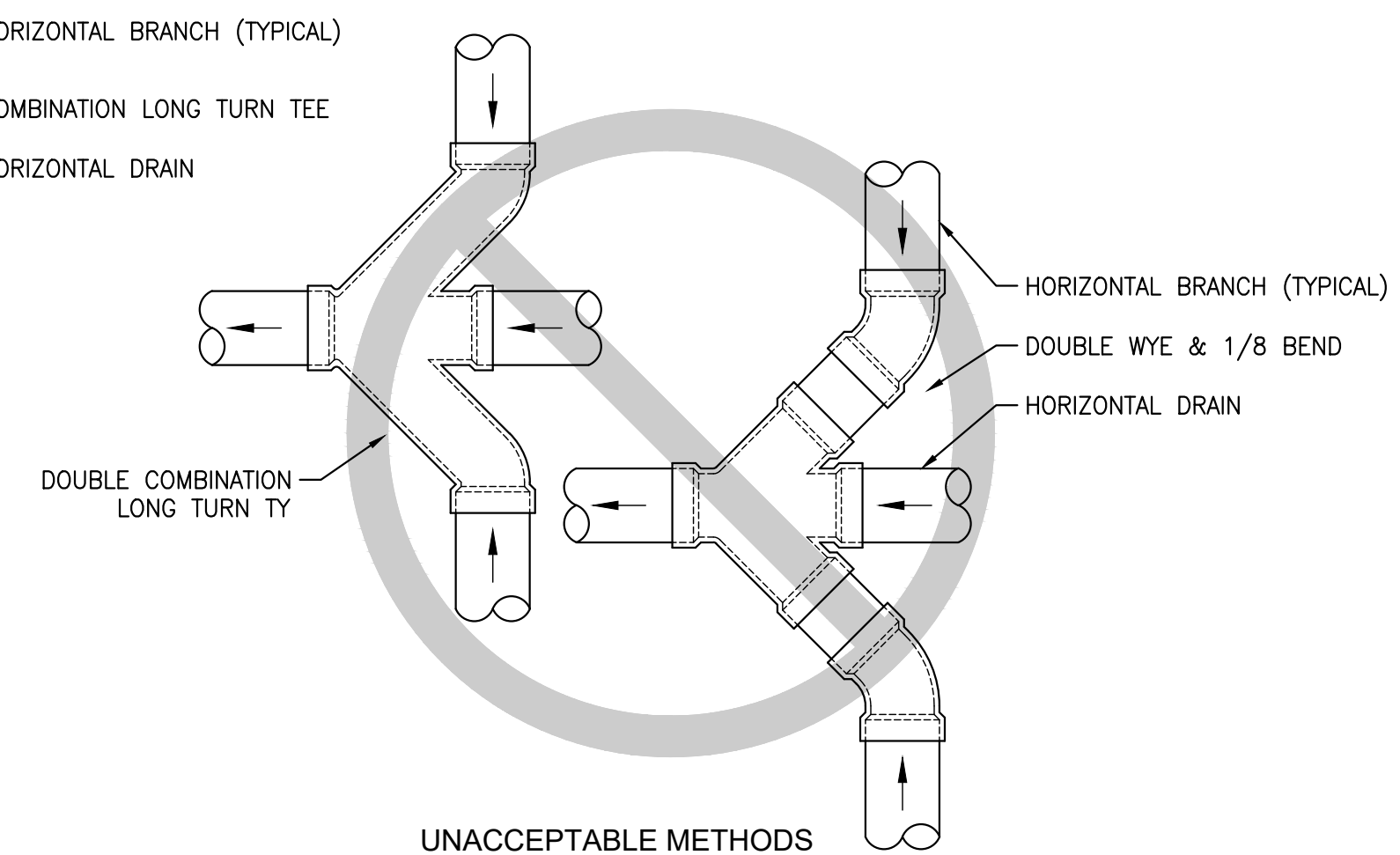
5 WALL CLEANOUT WITH SWEEP BEND OR COMBINATION Y DETAIL
SCALE: N.T.S.



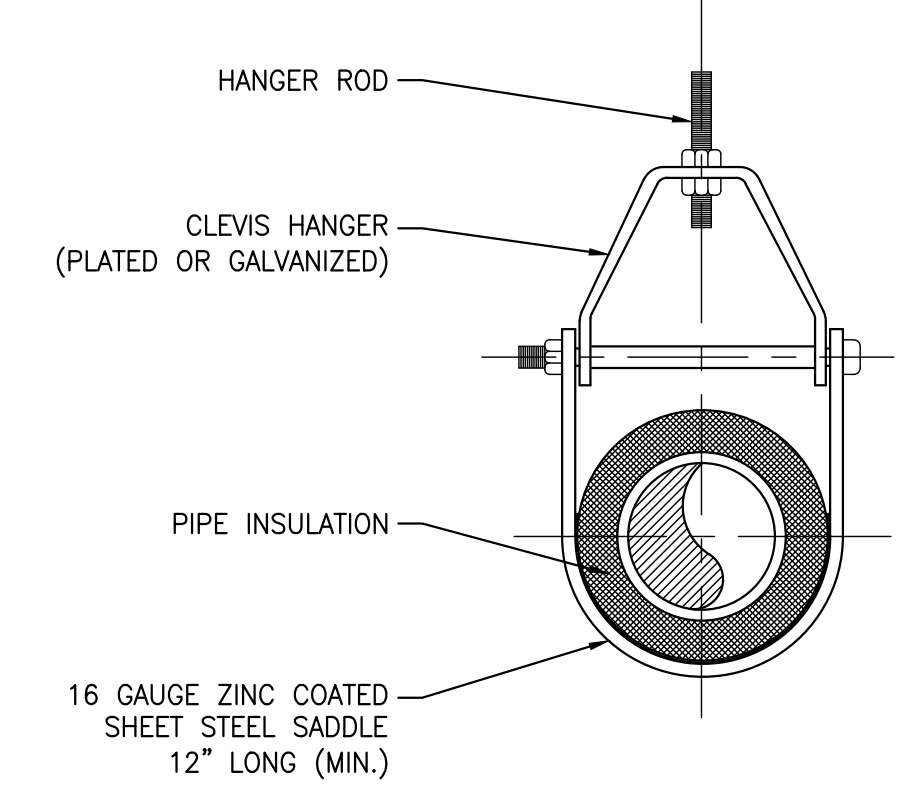
NOTE: PLUMBING DRAIN CONNECTION DETAIL (FOR USE WITH BACK-TO-BACK HORIZONTAL BRANCH CONNECTIONS).

REQUIRED METHODS

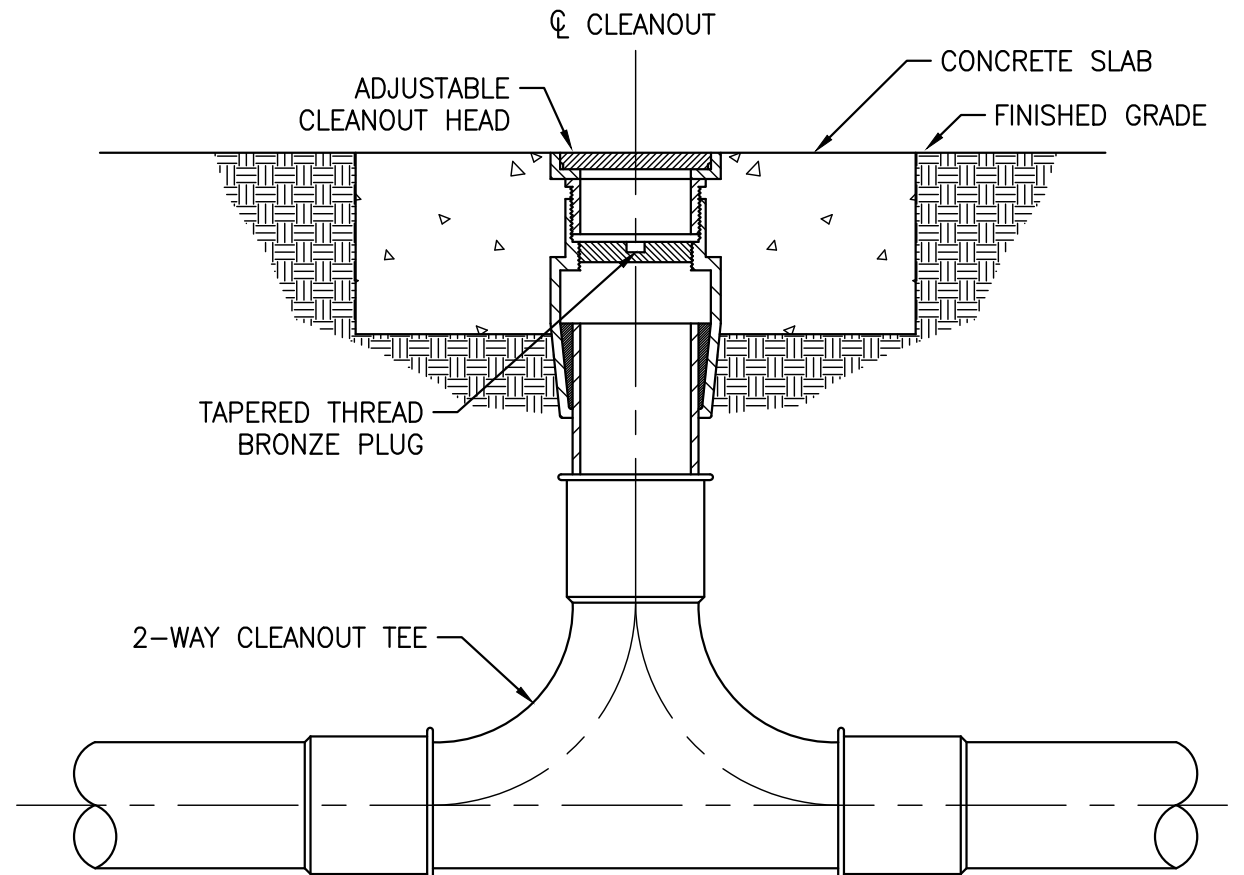
6 HORIZONTAL DRAIN CONNECTION DETAIL
SCALE: N.T.S.



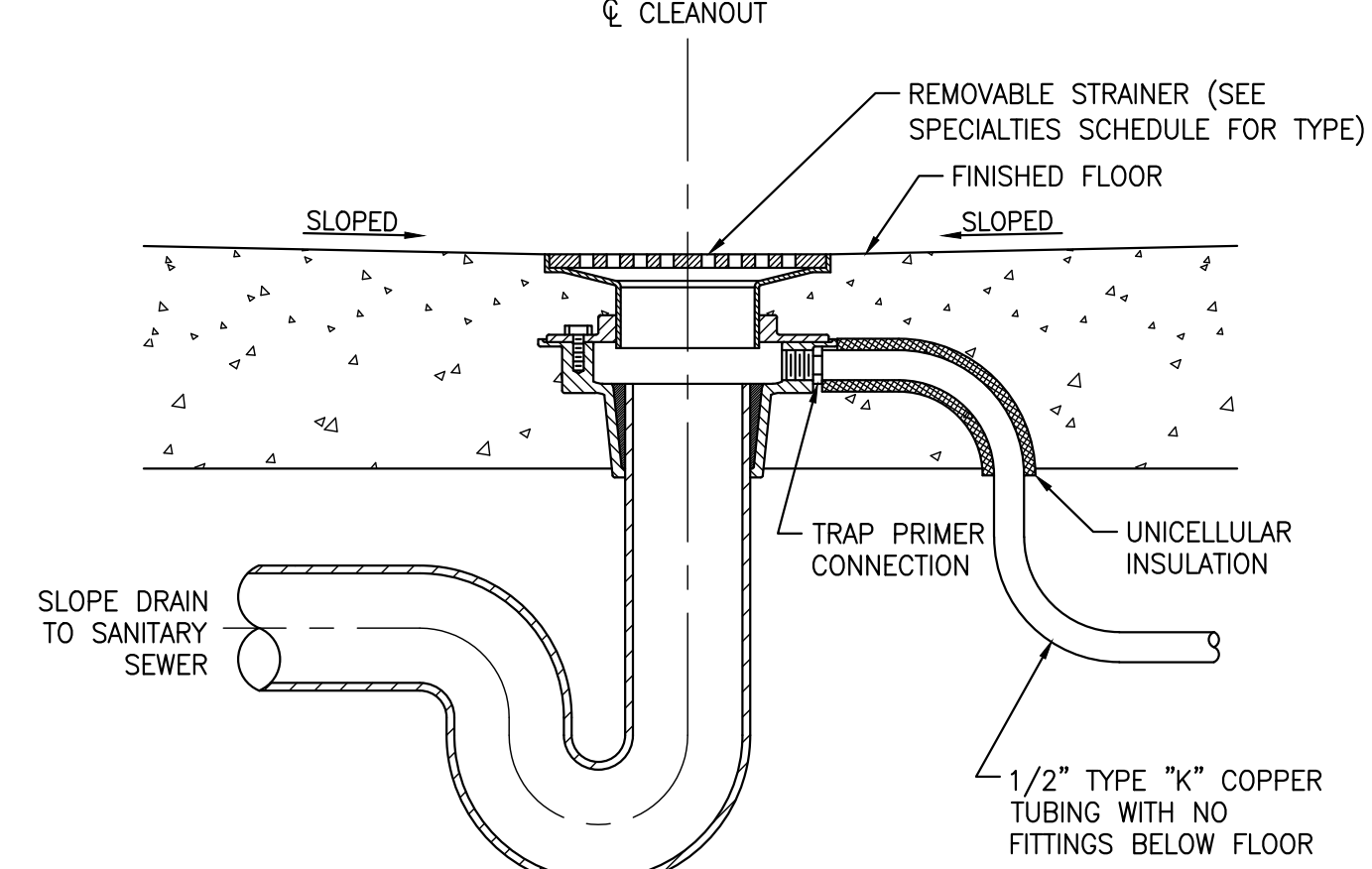
UNACCEPTABLE METHODS



7 CLEVIS PIPE HANGER DETAIL
SCALE: N.T.S.

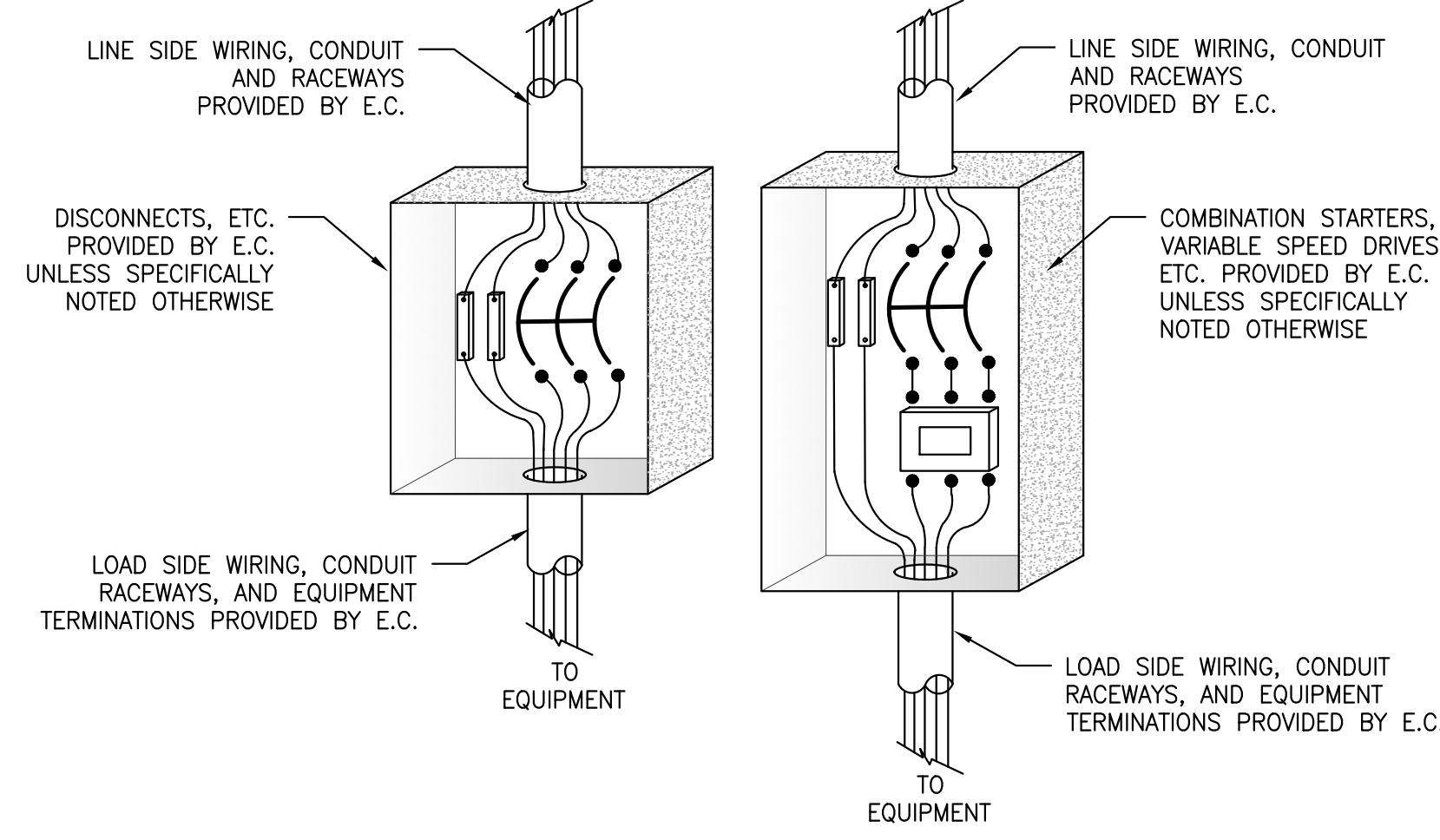


8 CLEANOUT ON GRADE WITH 2-WAY TEE DETAIL
SCALE: N.T.S.



NOTES:
1. FINISHED FLOOR SHALL BE SLOPED TO DRAIN FLUSH WITH STRAINER WHERE REQUIRED, COORDINATE WITH G.C.
2. PROVIDE 1/2\"/>

9 FLOOR DRAIN WITH TRAP PRIMER DETAIL
SCALE: N.T.S.



10 ELECTRICAL CONNECTION COORDINATION
SCALE: N.T.S.

Revisions	No.	Date

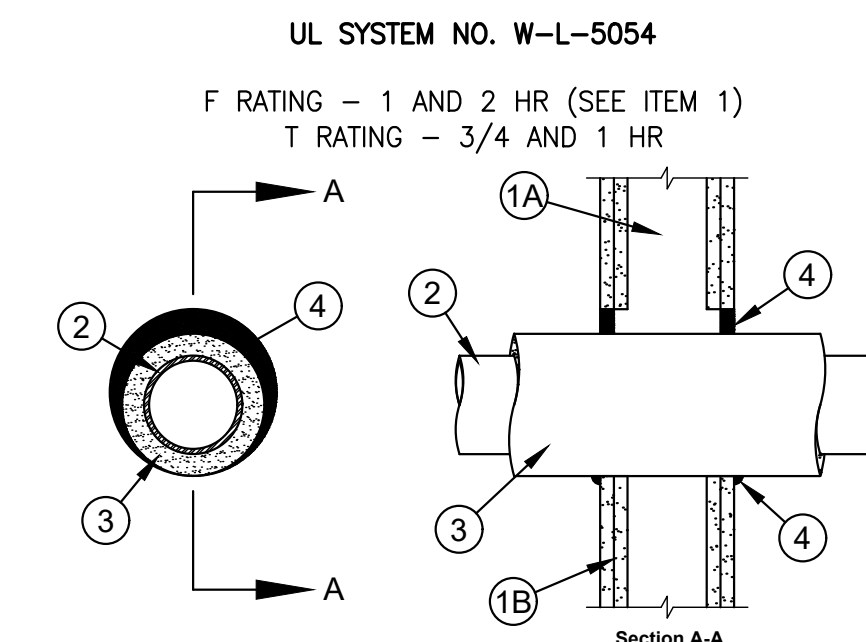
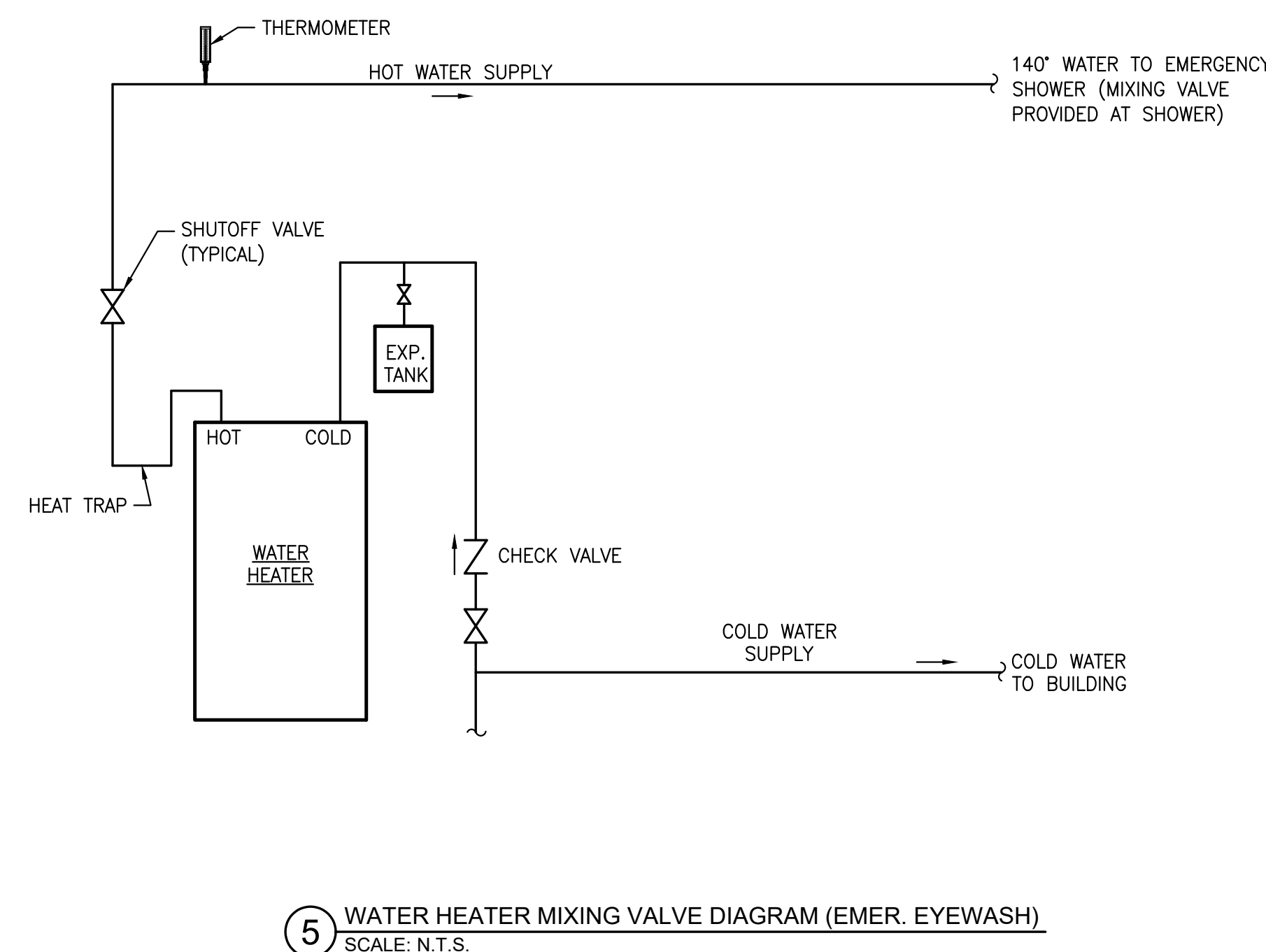
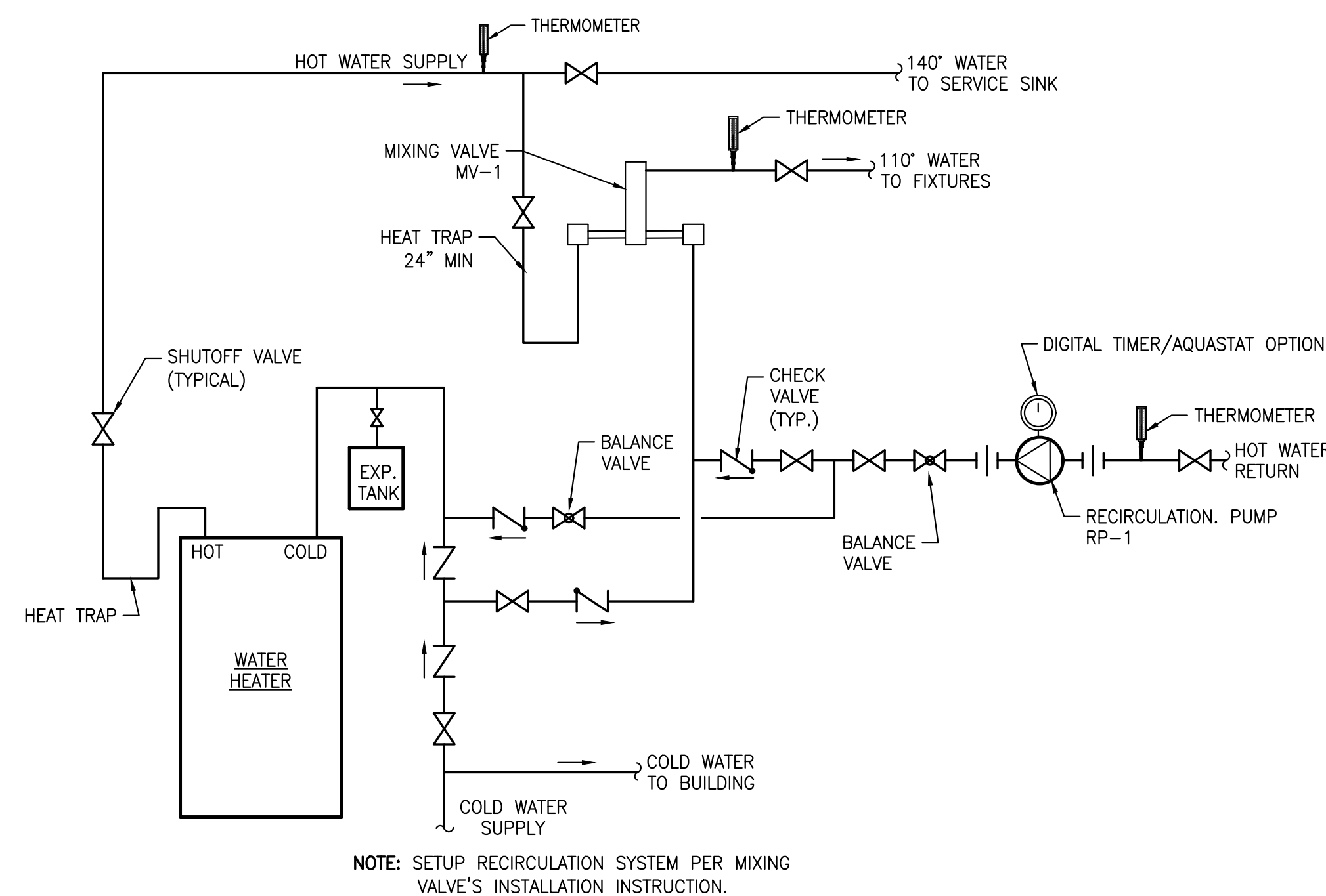
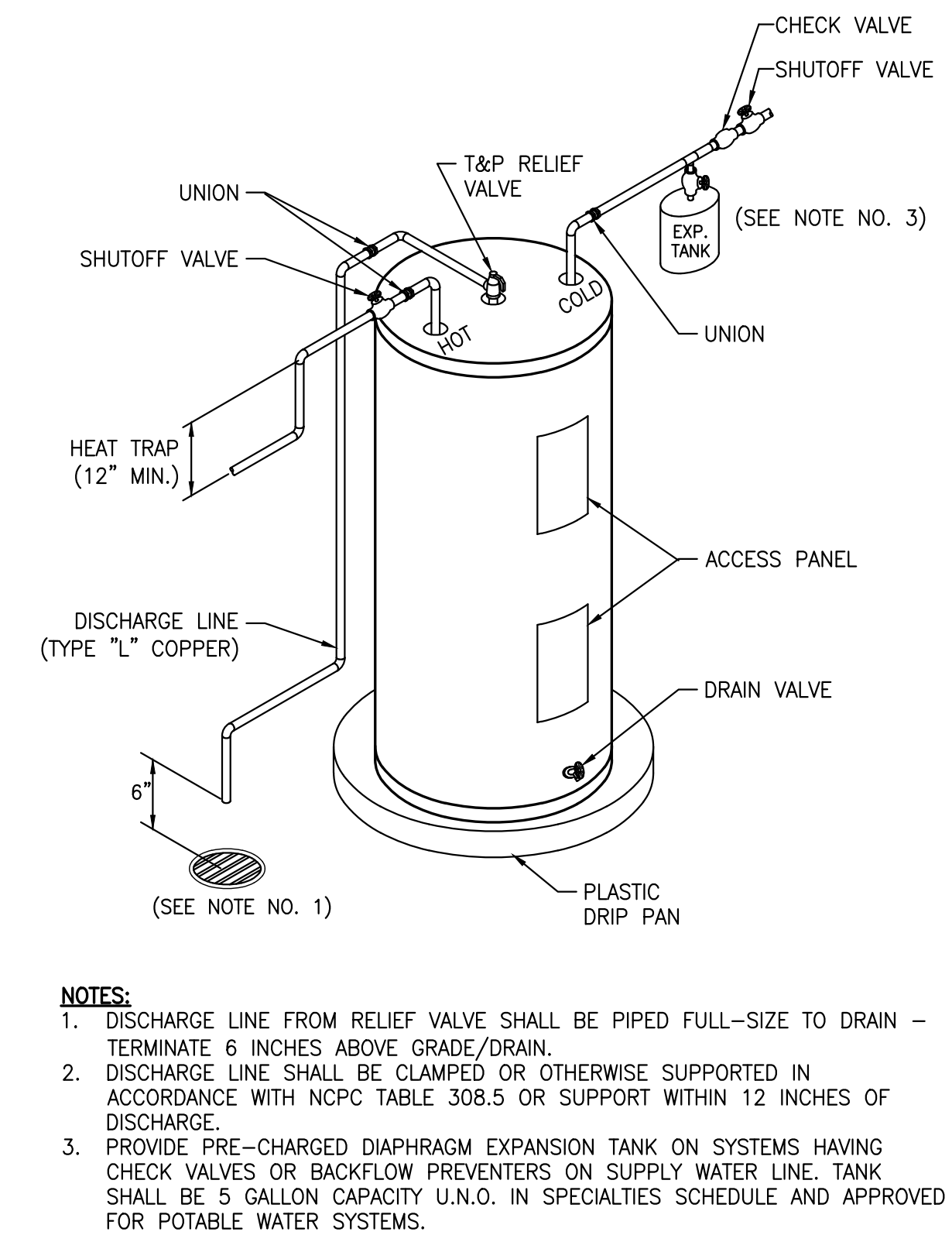
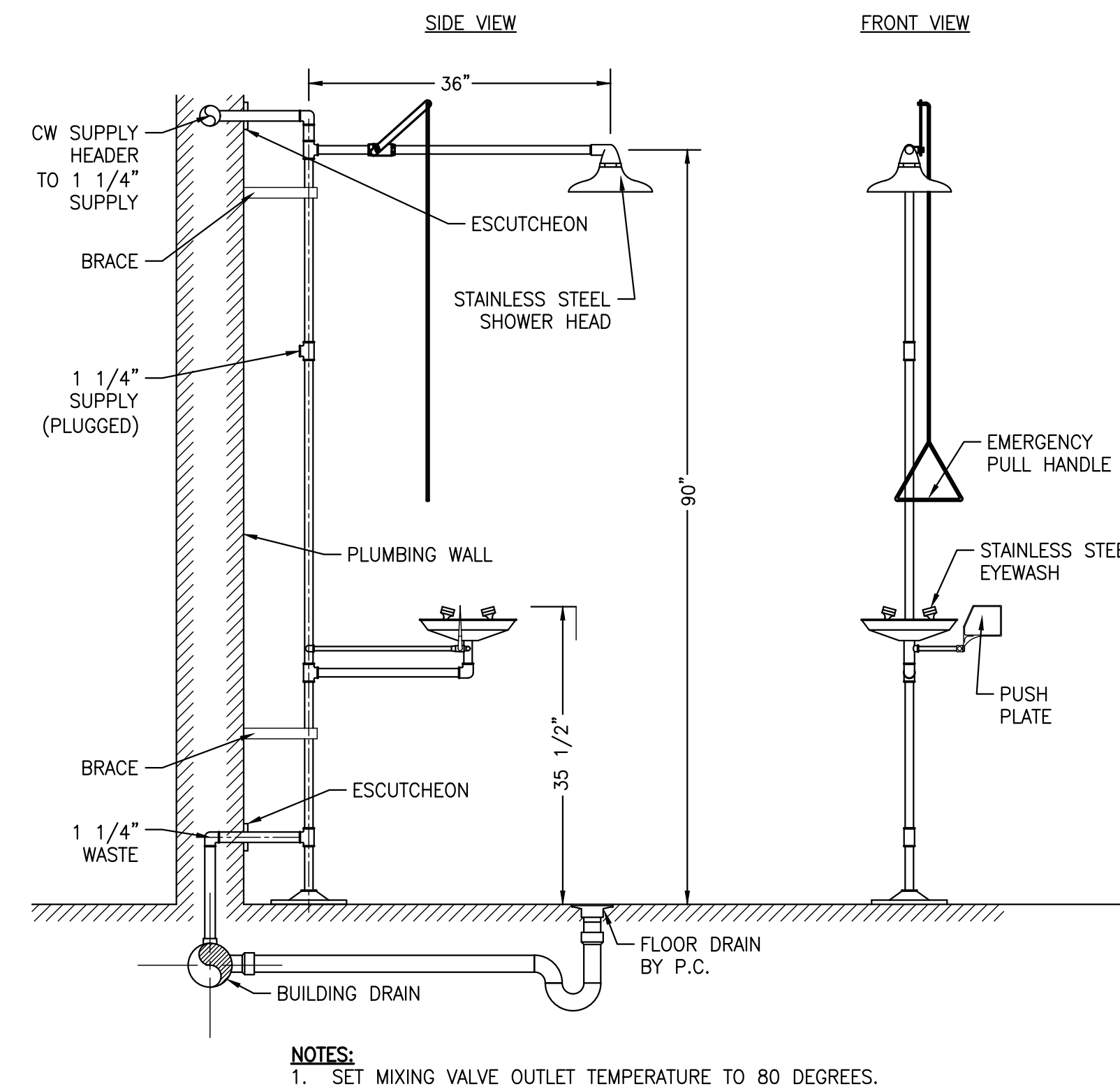
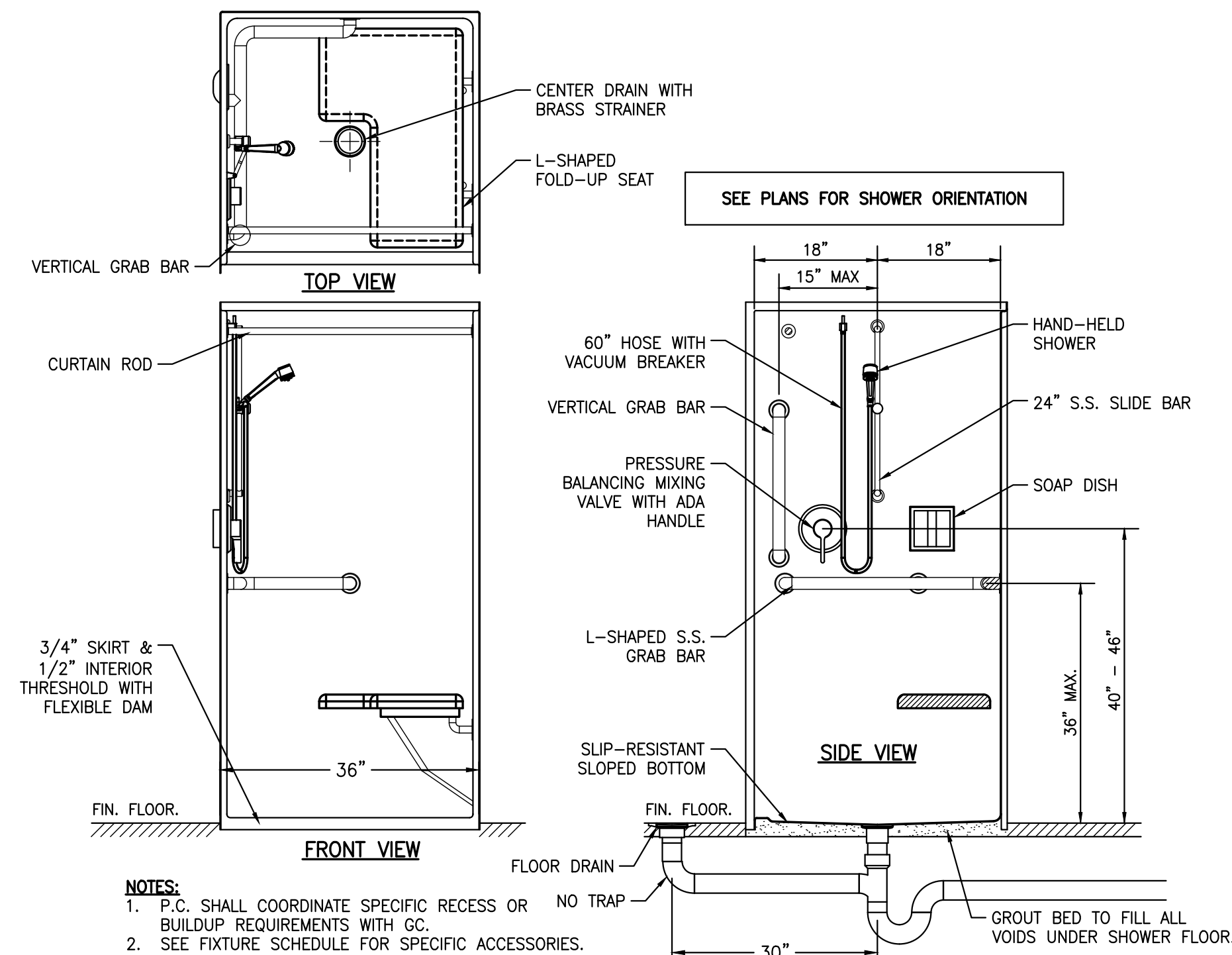
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Drawing Title

PLUMBING DETAILS

Sheet Number 3 of 5
Drawing Number

P-301



1. WALL ASSEMBLY – THE 1 OR 2 HR FIRE-RATED GYPSUM WALL BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
 - A. STUDS – WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. O.C. WITH NOM 2 BY 4 IN. LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN 3-1/2 IN. WIDE AND SPACED MAX 24 IN. O.C.
 - B. GYPSUM BOARD* – 5/8 IN. THICK, 4 FT WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 7-5/8 IN.
2. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.
3. THROUGH PENETRANT – ONE METALLIC PIPE OR TUBING TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. PIPE OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES OR TUBING MAY BE USED:
 - A. STEEL PIPE – NOM 4 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
 - B. IRON PIPE – NOM 4 IN. DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.
 - C. COPPER TUBING – NOM 4 IN. DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
 - D. COPPER PIPE – NOM 4 IN. DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
4. TUBE INSULATION – PLASTICS+ – NOM 3/4 IN. OR 1 IN. THICK ACRYLONITRILE BUTADIENE/POLYVINYL CHLORIDE (AB/PVC) FLEXIBLE FOAM FURNISHED IN THE FORM OF TUBING. THE ANNULAR SPACE BETWEEN PENETRATING ITEM AND PERIPHERY OF OPENING SHALL BE MIN 0 IN. (POINT CONTACT) TO MAX 1-1/2 IN. WHEN 1 IN. THICK AB/PVC INSULATION IS USED, T RATING IS 3/4 HR. WHEN 3/4 IN. THICK AB/PVC INSULATION IS USED, T RATING IS 1 HR.
5. SEE PLASTICS+ (QMF22) CATEGORY IN THE RECOGNIZED COMPONENT DIRECTORY OF NAMES FOR MANUFACTURERS. ANY RECOGNIZED COMPONENT TUBE INSULATION MATERIAL MEETING THE ABOVE SPECIFICATIONS AND HAVING A UL 94 FLAMMABILITY CLASSIFICATION OF 94-5VA MAY BE USED.
6. FILL, VOID OR CAVITY MATERIAL* – SEALANT – MIN 5/8 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. MIN 1/4 IN. DIAM BEAD OF SEALANT TO BE APPLIED AT THE POINT CONTACT LOCATION BETWEEN THE AB/PVC INSULATION AND THE GYPSUM BOARD.
7. SPECIFIED TECHNOLOGIES INC – SPECSSEAL SERIES SSS SEALANT OR SPECSSEAL LCI SEALANT
8. * INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.

[illegible]

 PLUMBING LEGEND		
SYMBOL	ABBR	DESCRIPTION
— —	CW	COLD WATER LINE
— · — · —	HW	HOT WATER LINE
— · — · —	HWR	HOT WATER RETURN LINE
— — — — —	W	SOIL OR WASTE LINE
- - - - -	VT	VENT LINE
	VTR	VENT THRU ROOF
	WCO	WALL CLEANOUT
	FCO	FLOOR CLEANOUT
	COG	CLEANOUT ON GRADE
	FD	ROUND FLOOR DRAIN
	HB	HOSE BIB/HYDRANT
	FHBH	FROSTPROOF HOSE BIB/HYDRANT
	-	CHECK VALVE
	-	SHUTOFF VALVE
	-	UNION
	-	THERMOMETER
	RP	RECIRCULATION PUMP
	-	CONCENTRIC REDUCER
	-	FLOW DIRECTION ARROW
	-	FIXTURE MARK (SEE SCHEDULE)

<u>ABBREVIATIONS:</u>	
S.C.	SITE CONTRACTOR
G.C.	GENERAL CONTRACTOR
P.C.	PLUMBING CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
E.C.	ELECTRICAL CONTRACTOR
AFB	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BFG	BELOW FINISHED GRADE

PLUMBING NOTES:

- PLUMBING PLANS ARE INTENDED TO PROVIDE INFORMATION FOR INSTALLATION OF A COMPLETE PLUMBING SYSTEM. PROVIDE ALL ESSENTIAL LABOR, MATERIALS & DEVICES REQUIRED TO PRODUCE A COMPLETE AND OPERATING SYSTEM. THIS INCLUDES PROVIDING ALL MISCELLANEOUS ITEM REQUIRED FOR THE OPERATION OF THE SYSTEM, WHETHER SPECIFICALLY CALLED OUT OR NOT.
- CONTRACTOR SHALL REVIEW & BECOME FAMILIAR WITH THE WORK OF ALL TRADES FOR COORDINATION AND ROUTING. CONTRACTOR SHALL PROVIDE REQUIRED PLANNING, COORDINATION AND SEQUENCING OF PLUMBING INSTALLATION WITH BUILDING COMPONENTS AND OTHER TRADES. THE EXACT LOCATION AND DETAILS OF EQUIPMENT MAY REQUIRE DEVIATIONS FROM PLANS AS THEY ARE DIAGRAMMATIC. DRAWINGS ALLOW FOR SHOWING SYMBOLS AND MULTIPLE PIPES TO PRINT CLEARLY. MATERIALS SHALL BE INSTALLED THAT ALLOW FOR EASY ACCESS, MAINTENANCE, AND OVERALL GOOD QUALITY OF WORK.
- ALL WORK SHALL COMPLY WITH 2018 NC PLUMBING CODE & ADA CODES, AS WELL AS FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS/GUIDELINES. WORKMANSHIP SHALL MEET OR EXCEED INDUSTRY STANDARDS. DO NOT INSTALL ANY WORK DIRECTLY ABOVE ANY ELECTRICAL PANELBOARD OR TRANSFORMER.
- PROTECT ALL NEW MATERIALS FROM THE WEATHER IN STORAGE TRAILERS OR PROVIDE SUITABLE COVERING.
- COORDINATE CONNECTION OF PLUMBING SYSTEMS WITH SITE UTILITIES AND SERVICES. P.C. SHALL EXTEND WATER SUPPLY LINE 5-FEET OUTSIDE OF BUILDING AND EXTEND BUILDING DRAIN 10-FEET OUTSIDE OF BUILDING & PROVIDE 2-WAY CLEANOUT.
- COORDINATE VENT THRU ROOF (VTR) LOCATIONS WITH OUTSIDE AIR INTAKES OF HVAC UNITS TO MAINTAIN A MINIMUM CLEARANCE OF 20 FEET. VTR SHALL BE LOCATED ON REAR OF PITCHED ROOF BUILDINGS AND NOT VISIBLE FROM FRONT OF BUILDING.
- CONTRACTOR SHALL COORDINATE LOCATION & TYPE OF VTR BOOTS WITH G.C. CONTRACTOR SHALL FURNISH & INSTALL THE REQUIRED BOOTS. G.C. SHALL ENGAGE ROOFING CONTRACTOR TO ASSURE WEATHER-TIGHTNESS OF INSTALLATION. ANY EXPOSED PVC PIPING SHALL BE PAINTED WITH 2-COATS OF LATEX PAINT - COLOR SELECTED BY ARCHITECT.
- DRAIN, WASTE & VENT (DWV) PIPING SHALL BE ASTM D 2665, SOLID-WALL, SCHEDULE 40 PVC WITH SOLVENT-WELDED SOCKET TYPE FITTINGS (FOAM CORE PIPING IS NOT ACCEPTABLE). INSTALL PVC PIPE AND FITTINGS IN STRICT ACCORDANCE WITH THE INSTALLATION RECOMMENDATIONS OF THE PIPE AND FITTINGS MANUFACTURER, APPENDIX X1 OF ASTM D2265 AND FOR BURIED PIPE ASTM D2321. SUCH INSTRUCTIONS SHALL INCLUDE BUT ARE NOT LIMITED TO CUTTING, SOLVENT CEMENTING AND PRIMING, JOINTS, CONNECTIONS, TRANSITIONS, ALIGNMENT AND GRADE, TRENCHING, BEDDING, BACKFILL AND COMPACTION, SUPPORTS AND SPACING AND ALLOWANCE FOR THERMAL EXPANSION. PER NPCC 306.2.4, AN INSULATED COPPER TRACER WIRE OR OTHER APPROVED CONDUCTOR SHALL BE INSTALLED ADJACENT TO AND OVER THE FULL LENGTH OF THE PIPING. ACCESS SHALL BE PROVIDED TO THE TRACER WIRE OR THE TRACER WIRE SHALL TERMINATE AT THE CLEANOUT BETWEEN THE BUILDING DRAIN AND BUILDING SEWER. THE TRACER WIRE SIZE SHALL BE NOT LESS THAN 14 AWG AND THE INSULATION TYPE SHALL BE LISTED FOR DIRECT BURIAL.
- ABOVE GRADE/SLAB WATER PIPING SHALL BE ASTM B 88, HARD DRAWN, TYPE L COPPER WITH SOLDERED, BRAZED WROUGHT-COPPER FITTINGS OR WIEGA PROPPRESS FITTINGS.
- BELOW GRADE/SLAB WATER PIPING (INSIDE OF BUILDING) SHALL BE ASTM B 88, SOFT ANNEALED, TYPE K COPPER WITH SOLDERED OR BRAZED WROUGHT-COPPER FITTINGS. MINIMIZE JOINTS BELOW SLAB.
- DOMESTIC WATER SERVICE PIPING: (SEE SITE PLANS).
- PC SHALL PROVIDE WATER SERVICE PRESSURE REDUCING VALVE (PRV) IF SERVICE PRESSURE IS FOUND TO BE GREATER THAN 60 PSI. PRV SHALL BE HIGH CAPACITY TYPE. SEE DETAIL FOR LOCATION. (SET INITIAL PRESSURE AT 60 PSI).
- WATER PIPE & FITTINGS AND LEAD FREE SOLDER & FLUX SHALL BE IN ACCORDANCE WITH NC PLUMBING CODE SECTION 605.
- INDIVIDUAL SUPPLY AND DRAIN CONNECTIONS SIZES ARE NOT INDICATED ON PLANS FOR CLARITY. SIZE EACH TO SUIT RESPECTIVE FIXTURE.
- HOT WATER RE-CIRCULATION PIPING SHALL BE ROUTED WITHIN 12 INCHES HORIZONTALLY OF THE VERTICAL PIPE FEEDING THE FIXTURE.
- WATER PIPING ON OUTSIDE WALLS AND IN CEILING SHALL BE LOCATED BETWEEN BUILDING INSULATION AND CONDITIONED SPACE.
- A FULL-OPEN VALVE SHALL BE LOCATED EITHER OUTSIDE THE BUILDING WITHIN 5 FEET OF THE FOUNDATION WALL IN A READILY ACCESSIBLE VALVE BOX, OR WITHIN THE BUILDING IN A LOCATION WHERE IT MAY BE ACCESSED WITHOUT THE USE OF A LADDER OR A TOOL FOR EACH INDIVIDUAL TENANT SPACE OCCUPANCY OR ADDRESS (NPCC 601). PROVIDE SHUTOFF VALVES AT EACH BRANCH LINE SERVING MORE THAN ONE FIXTURE. VALVES SHALL BE INSTALLED IN A READILY ACCESSIBLE LOCATION NEAR THE SUPPLY MAIN OR RISER CONNECTION. PROVIDE CEILING ACCESS DOORS WHERE REQUIRED TO ACCESS SERVICEABLE VALVES LOCATED ABOVE GYPBOARD CEILINGS. ALL VALVES SHALL BE READILY ACCESSIBLE FROM A SAFE HEIGHT ON A SIX FOOT LADDER AND TO BE CLEAR OF ALL OBSTRUCTIONS.
- UNLESS NOTED OTHERWISE ALL VALVES SHALL BE FULL PORT BRONZE OR BRASS BALL VALVES WITH THREADED OR SWEAT CONNECTIONS AS APPLICABLE TO THE CONNECTING PIPE.
- PROTECT COPPER PIPING FROM DIRECT CONTACT WITH MASONRY OR DISSIMILAR METAL. HANGERS, SUPPORTS, ANCHORS AND CLIPS SHALL BE COPPER PLATED OR PROVIDED WITH ELECTROLYTIC ISOLATION MATERIAL ON COPPER PIPING. ALL OTHER HANGERS AND SUPPORTS SHALL BE PAINTED OR GALVANIZED. PIPING PASSING THROUGH CONCRETE/MASONRY WALLS OR FLOORS SHALL BE PROTECTED AGAINST EXTERNAL CORROSION BY PROTECTIVE SHEATHING OR WRAPPING.
- INSTALL SCHEDULE 80 PVC OR DUCTILE IRON PIPE SLEEVE TWO SIZES LARGER AT PENETRATIONS THROUGH OR UNDER FOOTINGS OR FOUNDATION WALLS. SEAL SLEEVE TIGHT TO FOUNDATION WALL.
- PROVIDE MECHANICAL WATER HAMMER ARRESTORS AS SHOWN ON PLANS, WATER RISER, OR AS REQUIRED BY SYSTEM.
- PROVIDE INSULATION EQUAL TO MCGUIRE PROWRAP ON P-TRAP ASSEMBLIES AND HOT & COLD WATER PIPING FOR LAVATORIES WITH EXPOSED PIPING.
- VERIFY FINAL LOCATIONS FOR ROUGH-INS WITH FIELD MEASUREMENTS AND WITH THE REQUIREMENTS OF THE ACTUAL EQUIPMENT TO BE CONNECTED.
- INSTALL PLUMBING FIXTURES AND EQUIPMENT LEVEL & PLUMB. ROUTE PIPING PARALLEL & PERPENDICULAR TO OTHER BUILDING SYSTEMS AND COMPONENTS. INSTALL EQUIPMENT TO FACILITATE SERVICING, MAINTENANCE & REPAIR IN ACCORDANCE WITH MFG'S WRITTEN INSTALLATION INSTRUCTIONS AS WELL AS SPECIFIC INSTRUCTIONS ON PLANS. NO EQUIPMENT OR DEVICE SHALL BE INSTALLED ABOVE AN INACCESSIBLE CEILING CAVITY. IF SUCH ITEMS ARE REQUIRED TO BE INSTALLED ABOVE DRYWALL CEILINGS, PROVIDE AN ACCESS PANEL SIZED AND LOCATED TO PROVIDE SUFFICIENT ACCESS. SUBMIT LAYOUT OF ALL REQUIRED ACCESS PANELS FOR ARCHITECTS REVIEW AND APPROVAL PRIOR TO THE ONSET OF INSTALLATION.
- ALL PIPING SHALL HAVE LABELS AT A MAXIMUM OF 25 FEET, AT BOTH SIDES OF FLOOR OR WALL PENETRATIONS, AND HAVE DIRECTION OF FLOW ARROWS. PIPE LABELS SHALL MEET ASME (ANSI) A13.1-2007 STANDARD & NPCC.
- ALL FIXTURES & EXPOSED SURFACES SHALL BE WASHED & CLEANED AND PAINTED SURFACES SHALL BE TOUCHED UP TO MATCH FACTORY APPLIED FINISHES.
- DWV AND WATER DISTRIBUTION PIPING SHALL BE TESTED IN ACCORDANCE WITH NC PLUMBING CODE SECTION 312. TESTING OF THE STORM DRAINAGE PIPING SHALL BE IN ACCORDANCE WITH SECTION 312.8. PROVIDE OWNER AND ENGINEER COPIES OF THE TEST REPORTS.
- POTABLE WATER PIPING SHALL BE PURGED AND DISINFECTED. FLUSH SYSTEM WITH CLEAN, POTABLE WATER. ISOLATE AND FILL SYSTEM WITH WATER/CHLORINE SOLUTION WITH AT LEAST 200 PPM OF CHLORINE. ALLOW TO STAND FOR THREE HOURS. FLUSH SYSTEM WITH CLEAN, POTABLE WATER UNTIL CHLORINE SOLUTION IS REMOVED. SUBMIT WATER SAMPLE REPORT TO AUTHORITY HAVING JURISDICTION.
- CONTRACTOR SHALL PROVIDE BUILDING OWNER WITH A COMPLETE OPERATING & MAINTENANCE MANUAL AS REQUIRED BY THE NC ENERGY CODE 408.2.5.2 INCLUDING EQUIPMENT BASIC SUBMITTAL DATA, CONTROL INFORMATION, MANUFACTURER'S OPERATION MANUALS AND MAINTENANCE MANUAL FOR EACH PIECE OF EQUIPMENT, ROUTINE MAINTENANCE ACTIONS AND SERVICE AGENCIES NAME, PHONE NUMBER & ADDRESS. DESIRED OR FIELD-DETERMINED SET POINTS SHALL BE PERMANENTLY RECORDED ON THE DEVICE.
- GUARANTEE ALL EQUIPMENT, MATERIALS AND INSTALLATION FREE OF DEFECTS FOR A PERIOD OF 1-YEAR AFTER RECEIVING CERTIFICATE OF OCCUPANCY.

WATER PIPING IDENTIFICATION TABLE				
SYMBOL	CLASSIFICATION	LABEL COLOR SCHEME (LETTERING / BACKGROUND)	PIPE LABEL	INSULATION COLOR
-----	DOMESTIC COLD WATER	WHITE / GREEN	DOMESTIC COLD WATER	WHITE
-----	DOMESTIC HOT WATER	WHITE / GREEN	DOMESTIC HOT WATER	WHITE
-----	DOMESTIC HOT WATER	WHITE / GREEN	DOMESTIC HW RETURN	WHITE

OUTSIDE DIAMETER OF PIPE OR COVERING	SIZE OF LETTERS	LENGTH OF BACKGROUND	PIPE LABELS SHALL MEET ASME (ANSI) A13.1-2007 STANDARD & NCPG AND BE MARKED AS FOLLOWS: 1. STANDARD AND BE MARKED AS FOLLOWS: - ADJACENT TO ALL VALVES AND FLANGES - AT BOTH SIDES OF FLOOR OR WALL PENETRATIONS - ADJACENT TO CHANGES IN DIRECTIONS - EVERY 25' INTERVALS ON STRAIGHT RUNS - (EVERY 20' MAXIMUM FOR RECLAIM WATER) - READILY VISIBLE TO PERSONNEL FROM POINT OF APPROACH - WITH DIRECTION OF FLOW ARROWS INDICATED
3/4" to 1-1/4"	1/2"	8" MIN.	
1-1/2" to 2"	3/4"	8" MIN.	
2-1/2" to 6"	1-1/4"	12" MIN.	
8" to 10"	2-1/2"	24" MIN.	

EnTech		PLUMBING FIXTURE SCHEDULE				
FIX. NO.	DESCRIPTION	CW	HW	DRAIN	FAUCETS, VALVES & ACCESSORIES	NOTES
WC-1A	WATER CLOSET TANK TYPE, FLOOR MOUNTED, ELONGATED LOW-CONSUMPTION (1.6 GPF) FULLY GLAZED 2 1/8" MIN. BALL PASS TRAPWAY MEETS ASME A112.19.2M & 19.6M ADA (+/-17" RIM HEIGHT)	1/2"		3"	FIXTURE BY: AMERICAN STANDARD, SLOAN OR KOHLER SEAT: SELF-SUSTAINING WITH OPEN FRONT LESS COVER MATERIAL: VITREOUS CHINA COLOR: WHITE	TANK SHALL HAVE RIGHT HAND OR LEFT HAND TRIP LEVER AS REQUIRED TO MEET ADA (SEE DETAIL)
LA-1A	WALL HUNG LAVATORY WHITE 20"x18" WITH BACK & SIDE SPLASH SHIELDS CHROME SINGLE LEVER FAUCET (0.5 GPM AERATOR) MEETS ASME A112.19.2M ADA & NON-ADA APPLICATIONS	3/8"	3/8"	1 1/4"	FIXTURE BY: AMERICAN STANDARD MURRO 0954.004EC (4" CENTERSET), SLOAN OR KOHLER FAUCET: EQUAL TO DELTA 523LF-HGMHDF (4" CENTERSET) STRAINER: MCGUIRE 155A MATERIAL: VITREOUS CHINA SINK AND KNEE SHROUD WALL CARRIER: ZURN I2131 OR I2131-D SHROUD: AMERICAN STANDARD 0059.020EC (VITREOUS CHINA)	- REFER TO ARCHITECTURAL DWGS FOR SPECIFIC MOUNTING HEIGHTS - PROVIDE WITH 3/8" BRAIDED STAINLESS LAVATORY RISERS (MCGUIRE SSLAV)
SK-1A	SINGLE BOWL SINK (22" X 21" X 5.5") 18 GAUGE TYPE 304, 18-8 STAINLESS STEEL SOUND DEADENING COATING SIDES AND BOTTOM SINGLE LEVER FAUCET WITH SPRAYER (1.5 GPM AERATOR) ADA COMPLIANT	1/2"	1/2"	1 1/2"	FIXTURE BY: ELKAY, JUST, KOHLER OR MOEN FAUCET: EQUAL TO DELTA 400LF-HDF STRAINER: MCGUIRE 151A RISER: 3/8" BRAIDED STAINLESS (MCGUIRE SSLAV)	LISTED SIZES INDICATE SIDE TO SIDE DIMENSION X FRONT TO BACK DIMENSION X DEPTH PROVIDE WITH REAR DRAIN
SK-2	SERVICE SINK (24"x20"x13") SINGLE MOLDED STONE BOWL WITH BAKED ENAMEL STEEL LEGS DECK MOUNTED FAUCET	1/2"	1/2"	1 1/2"	EQUAL TO FIAT FL-7/A-1 MATERIAL: MOLDED STONE COLOR: WHITE	
SH-1A	SHOWER FIBERGLASS (EXT. DIM. 38"Wx38 1/4"Dx77 1/8"H) HAND-HELD SHOWER WITH ADJUSTABLE SLIDE BAR (1.5 GPM) ADA - TRANSFER TYPE	1/2"	1/2"	2"	EQUAL TO AQUATIC 1363-BFSD VALVE & TRIM: EQUAL TO DELTA T13H153-20 (R-10000-UNWS) PROVIDE WITH BRASS DRAIN, GRAB BAR, FOLD-UP SEAT, SOAP DISH AND CURTAIN ROD COLOR SELECTED BY ARCHITECT	SEE PLANS TO DETERMINE RH OR LH CONFIGURATION COORDINATE RECESSED FLOOR REQUIREMENTS WITH G.C.
ES-1A	EMERGENCY EYE/FACE WASH AND SHOWER STATION PLASTIC ABS SHOWER HEAD FLOOR MOUNTED MEETS ANSI Z358.1. ADA COMPLIANT	1 1/4"		1 1/4"	EQUAL TO GUARDIAN GBF1909-TMV PROVIDE WITH ANSI-COMPLIANT IDENTIFICATION SIGN PROVIDE WITH THERMOSTATIC MIXING VALVE UNIT G6040 DUST COVER FOR EYEWASH BLOCK	

ENRICH		PLUMBING SPECIALTIES SCHEDULE			
MARK	DESCRIPTION	MANF.	REFERENCE MODEL NO.	NOTES	
COG	WHEEL TRAFFIC CLEANOUT ON GRADE WITH BRONZE PLUG	MIFAB	C1220-4-34B-P-XR	SEE PLANS FOR SIZES, HEAVY DUTY TOP	
WCO	WALL CLEANOUT WITH BRONZE PLUG & S.S. COVER	MIFAB	C1430-RD	SEE PLANS FOR SIZES	
TP-1	TRAP PRIMER	PPP	P1-500	SEE PLANS FOR DISTRIBUTION UNITS	
FD-1	AREA FLOOR DRAIN	MIFAB	F1100-C-5"-1-6-P (5" ROUND STRAINER)		
FD-2	ICE MACHINE DRAIN WITH SS RAISED LIP	MIFAB	F1100-C-ER-7"-3-6-28 (7" ROUND STRAINER)		
FD-3	EMERGENCY SHOWER FLOOR DRAIN WITH TRAP PRIMER	MIFAB	F1100-C-10"-1-6-7-P (10" ROUND STRAINER)		
FD-4	AREA FLOOR DRAIN WITH TRAP PRIMER	MIFAB	F1100-C-5"-1-6-7-P (5" ROUND STRAINER)		
BFP-1	BACKFLOW PREVENTER ICE MACHINE	WAITS	SD2-MF-3/8"		
UB-1	UTILITY BOX - ICE MAKER	QATEY	38642	INCLUDES WATER HAMMER ARRESTOR	
UB-2	UTILITY BOX - WASHING MACHINE	QATEY	38642	INCLUDES WATER HAMMER ARRESTORS	
MV-1	THERMOSTATIC MIXING VALVE (SETPOINT: 110°F)	LEONARD	270-LF-SW-DT (1/2" INLET/OUTLET)	7.5 GPM @ 20 PSI PRESSURE DROP	
HALL	WALL FAUCET WITH ANTI-SIPHON PROTECTION (ASSE 1011)	WOODFORD	24 (CHROME)	PROVIDE WITH POLYCARBONATE HANDLE	
FHB-1	FREEZELESS WALL FAUCET WITH BACKFLOW PROTECTION	WOODFORD	27	PROVIDE WITH METAL HANDLE (ASSE 1052)	
RP-1	HOT WATER RECIRCULATION PUMP WITH AUTOMATIC TIMER	B&G	NBF-22V WITH HONEYWELL 14008 AQUASTAT	120V CONNECTION REQUIRED (1 AMP)	

ELECTRIC WATER HEATER SCHEDULE													
MARK	SIZE	GPH	TEMP. RISE	KW	VOLT/PH	FLA	CW CONN.	HW CONN.	MANF.	REF. MODEL	OPERATING WEIGHT	SIZE HTX DIA	NOTES
WH-1	60 GAL	21	80°F	6	208V/1ϕ	29	3/4"	3/4"	A.O. SMITH	DEF-66	675 LBS	61"x22"	2,3,4,5
WH-2	120 GAL	37	90°F	6	208V/1ϕ	28	1"	1"	A.O. SMITH	DEF-120	1220 LBS	63"x29"	1,3,4,5

NOTES

1. SET TANK WATER TEMPERATURE AT 140°F. WATER HEATER DEDICATED TO EMERGENCY SHOWER ONLY. MIXING VALVE PROVIDED WITH EMERGENCY SHOWER.
2. SET OUTLET WATER TEMPERATURE AT 140°F.
3. PROVIDE WITH 3-YEAR TANK WARRANTY AND 1-YEAR PARTS WARRANTY.
4. PROVIDE WITH ACCESSORIES FOR FLOOR MOUNTING.
5. PROVIDE WITH EXPANSION TANK.

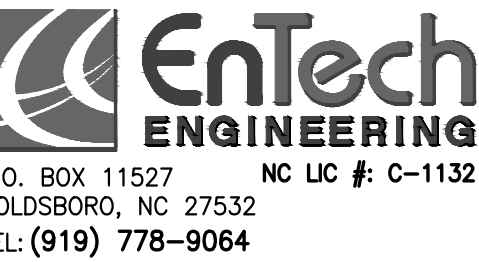
PLUMBING PIPING INSULATION TABLE					
SERVICE	LOCATION	MATERIAL TYPE	JACKET TYPE	PIPE SIZE	THICKNESS
DOMESTIC WATER	BUILDING ENVELOPE	PREFORMED GLASS FIBER	ASJ	COLD 1/2" OR LESS	1/2"
				COLD 3/4" - 3"	1"
				HOT 1 1/2" OR LESS	1"
				HOT > 1 1/2"	1.5"
				HW RECIRCULATION	1"

NOTES:

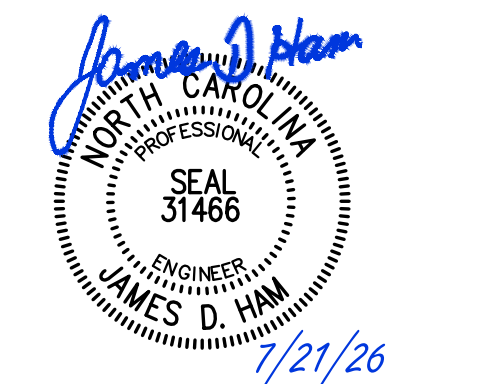
1. ALL PIPE HANGERS AND SUPPORTS ON COLD PIPING SHALL BE OF CLEVIS TYPE ON OUTSIDE OF INSULATION TO MAINTAIN VAPOR BARRIER.

FIXTURE TYPE		QTY.	DRAIN FIXTURE UNITS		WATER SUPPLY FIXTURE UNITS				
			DRAIN	TOTAL	COLD	HOT	CW & HW	HOT TOTAL	SUPPLY TOTAL
WATER CLOSET (TANK)		2	4.0	8.0	5.0		5.0		10.0
LAVATORY (SMALL P.O.)		2	1.0	2.0	1.5	1.5		3.00	4.00
EMERGENCY EYE WASH		1	2.0	2.0	4	4	8.0	4.00	8.00
SERVICE SINK		1	3.0	3.0	2.25	2.25	3.0	2.25	3.00
SINK		1	2.0	2.0	1.5	1.5	2.0	1.50	2.00
WASHING MACHINE		1	3.0	3.0	2.25	2.25	3.0	2.25	3.00
SHOWER		2	2.0	4.0	1.5	1.5	2.0	3.00	4.00
TOTAL LOAD (FIXTURE UNITS)				24.00	TOTAL LOAD (FIXTURE UNITS)			16.00	34.00
					TOTAL DEMAND (GPM)			18.0	24.0
MINIMUM LINE SIZE				4"	MINIMUM LINE SIZE			1"	1"
APPLIED LINE SIZE				4"	APPLIED LINE SIZE			1"	1 1/4"

WALKER
GROUP
ARCHITECTURE
i n c o r p o r a t e d
PO BOX 541, NEW BERN, NC 28563
252-636-8778



PROJECT NO.	PROJECT MGR.	DRAWN BY
26002	D. HAM	DEH



Jones County Public Works Building

1539 NC HWY 58
TRENTON, NC 28585

[illegible]

Project Number	Date
2523.JCPW	7/21/26
Drawn	Checked

Scale
AS NOTED
Drawing Title

PLUMBING SCHEDULES & NOTES

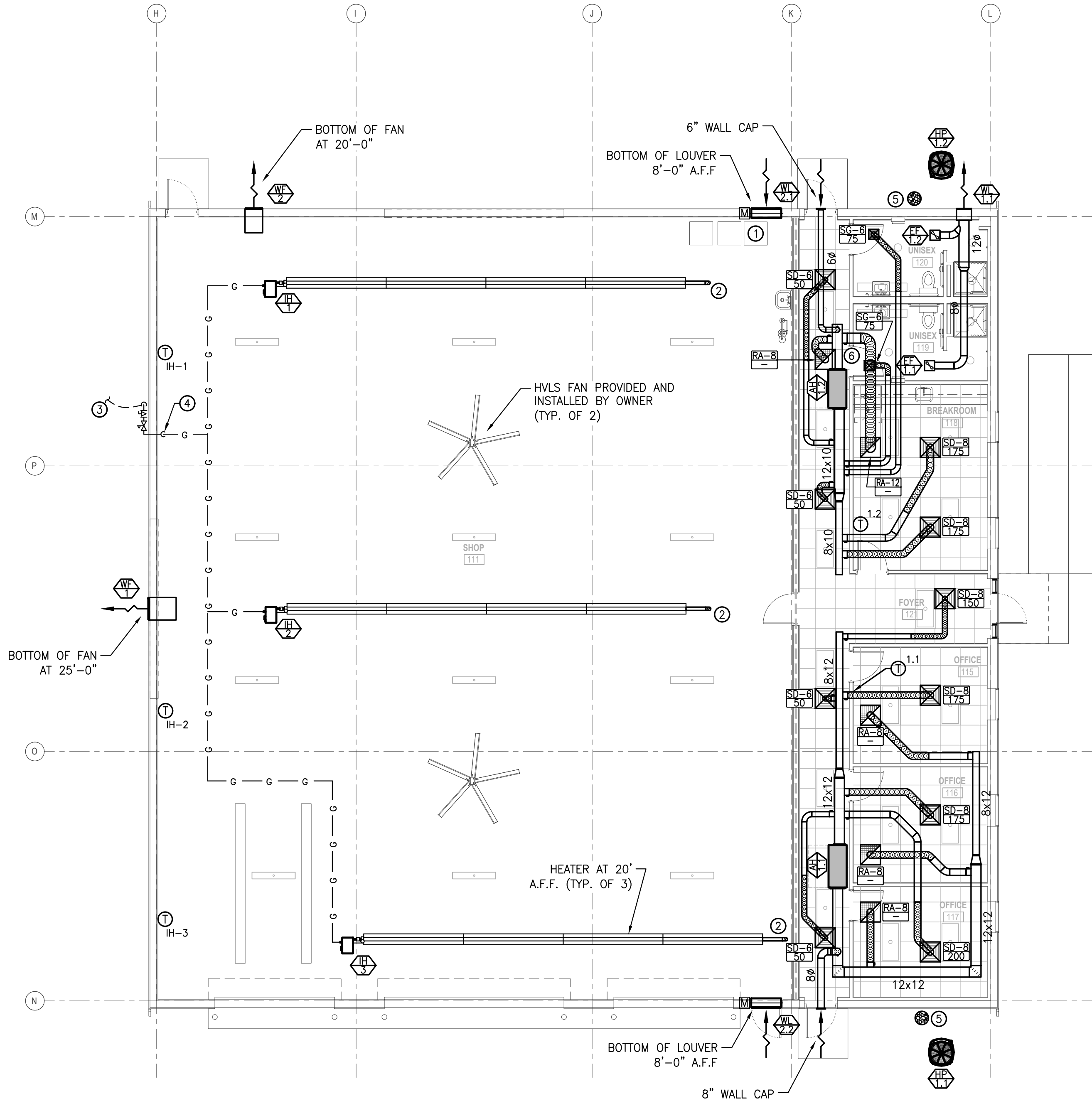
Sheet Number
5 Of 5

Drawing Number

P-401

INSTALLATION KEYED NOTES * (#):

1. PROVIDE DRYER BOX CENTERED BEHIND APPLIANCE. BOTTOM OF DRYER BOX SHALL BE NO MORE THAN 2" A.F.F. TERMINATE AT EXTERIOR MINIMUM 12" A.F.G. WITH WALL CAP WITH GRAVITY BACKDRAFT DAMPER.
2. 4" FLUE PIPING THROUGH ROOF.
3. HIGH PRESSURE GAS LINE (10 PSIG) FROM TANK. TANK AND HIGH PRESSURE REGULATOR BY OTHERS. FIELD CONFIRM FINAL LOCATION OF TANK.
4. GAS RISE TO STRUCTURE.
5. CONDENSATE DRYWELL.
6. FULL SIZE RETURN AIR PLENUM.

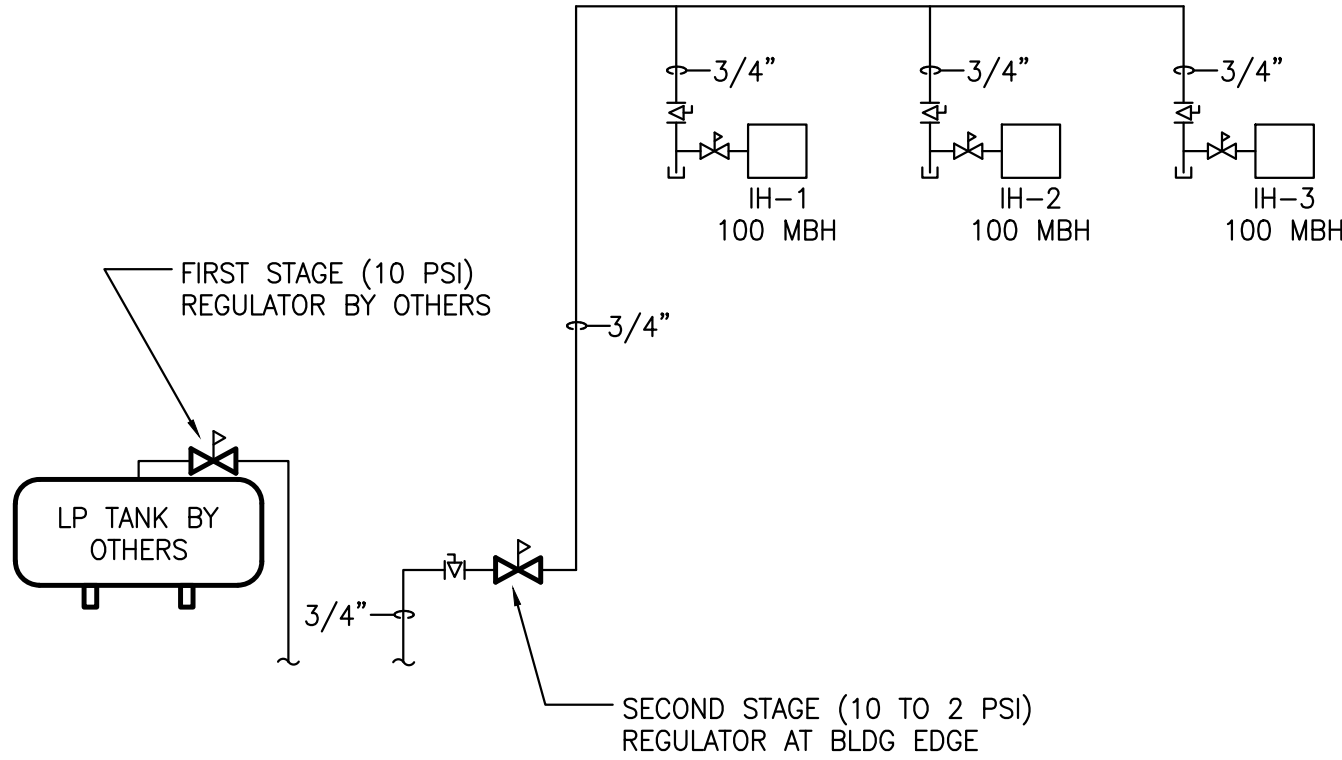


1 MECHANICAL DUCT & EQUIPMENT PLAN
SCALE: 1/8" = 1'-0"



GAS PIPING DESIGN TABLE				
				
PIPING MATERIAL:	SCH 40 BLACK IRON	RADIANT HEATERS	300 MBH	
DEVELOPED LENGTH:	125'			
REQ'D HEADER SIZE:	3/4"			
TOTAL CAPACITY:				300 MBH
SERVICE TYPE	SYSTEM PRESSURE	PRESSURE DROP	INPUT CAPACITY	
PROPANE	2 PSI	1.0 PSI	300 MBH	120 CFH

NOTE: GAS PIPING ON PLANS SIZED BASED ON NC FUEL GAS CODE TABLE 402.4(25) AND 402.4(27).



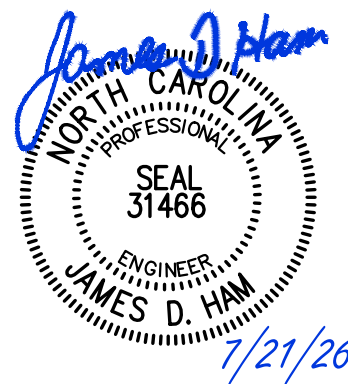
2 GAS PIPING SCHEMATIC
SCALE: N.T.S.

EnTech RATED WALL LEGEND	
----	1-HOUR RATED WALL

WALKER GROUP
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EnTech ENGINEERING
P.O. BOX 11527 NC LIC #: C-1132
GOLDSBORO, NC 27532
TEL: (919) 778-9064

PROJECT NO. 226002 PROJECT MGR. D. HAM DRAWN BY NGB



**Jones County
Public Works
Building**

1539 NC HWY 58
TRENTON, NC 28585

Revisions	
No.	Date

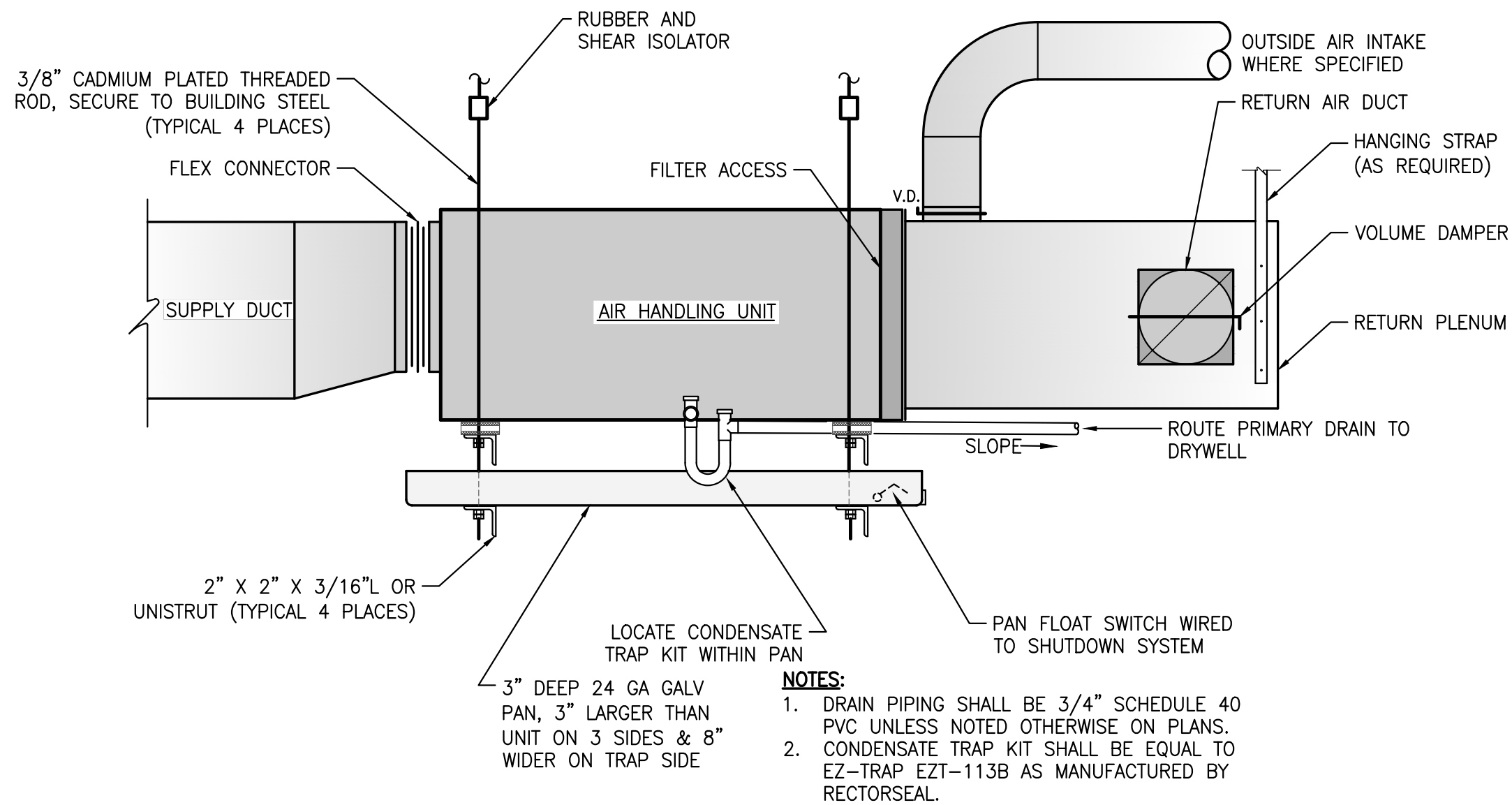
Project Number 2523.JCPW Date 7/21/26
Drawn Checked

Scale AS NOTED
Drawing Title

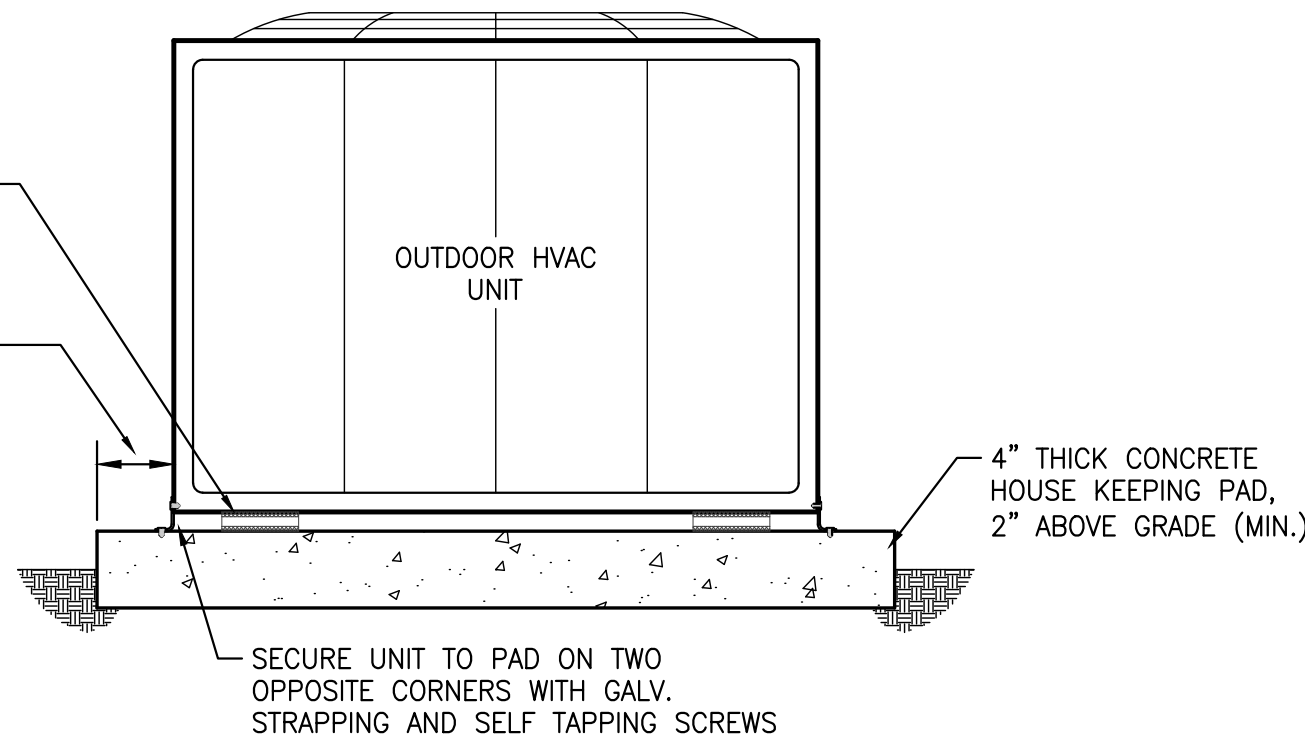
**MECHANICAL
PLAN**

Sheet Number 1 OF 4
Drawing Number

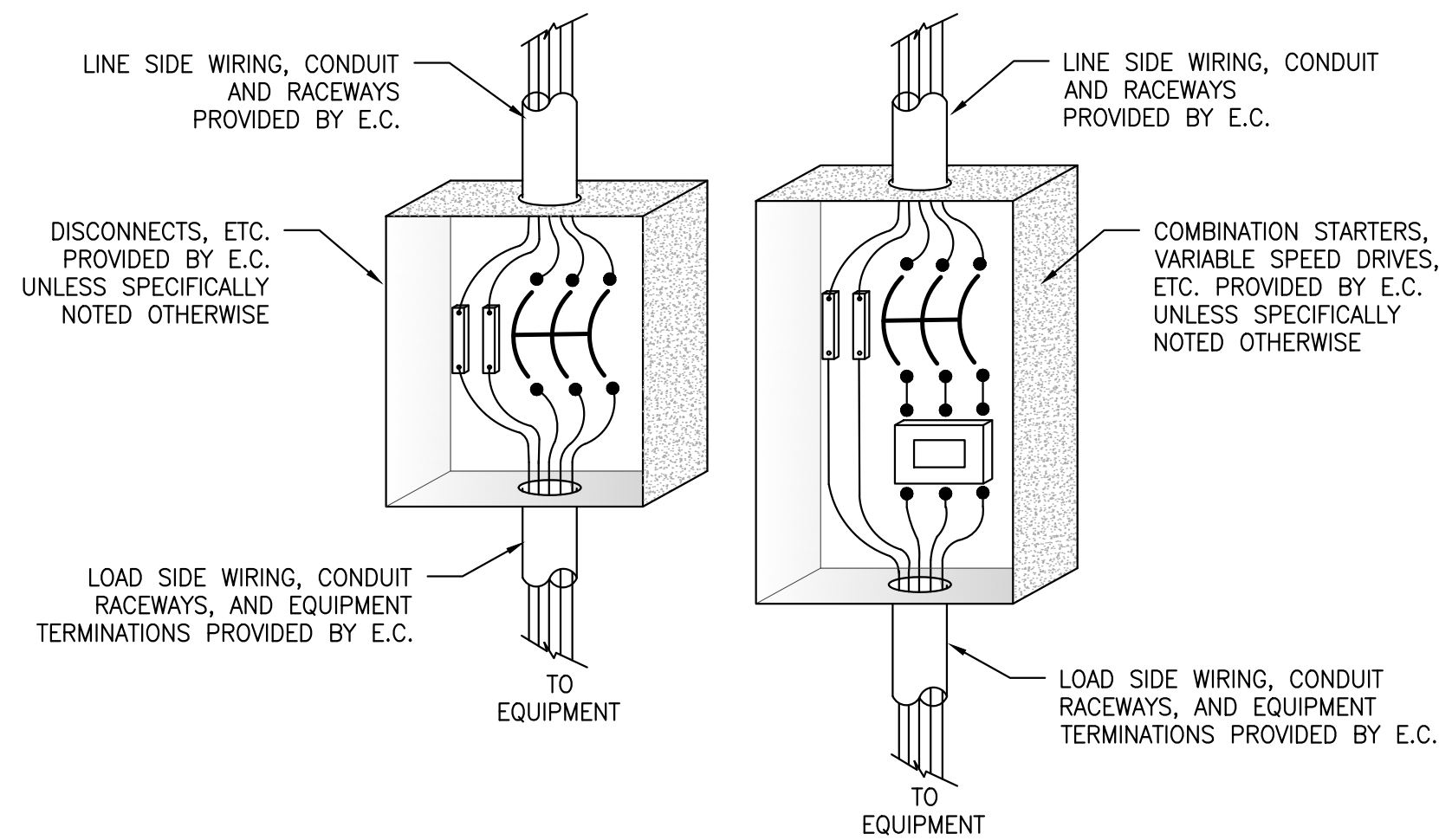
M-101



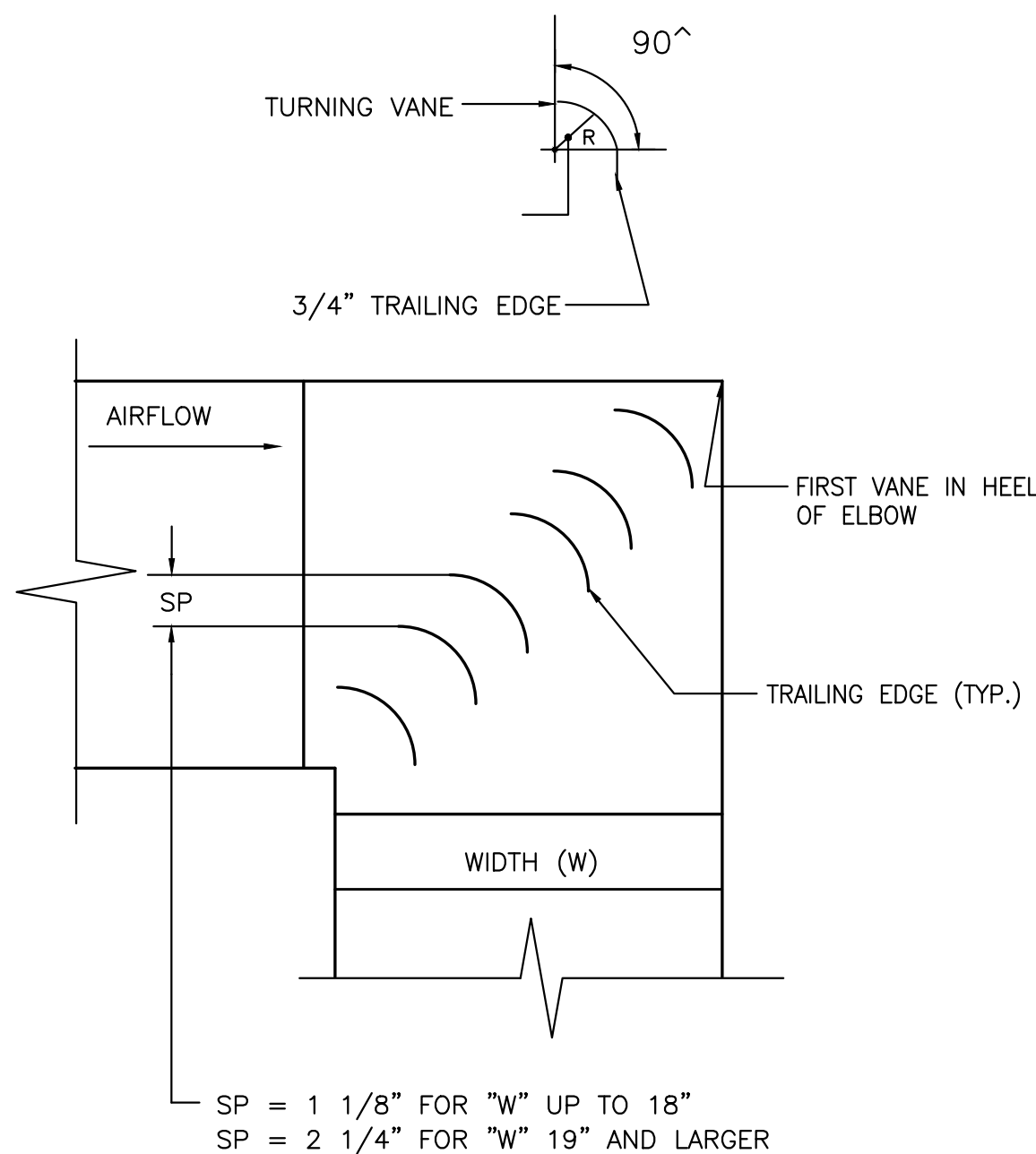
1 ABOVE CEILING AIR HANDLING UNIT DETAIL
SCALE: N.T.S.



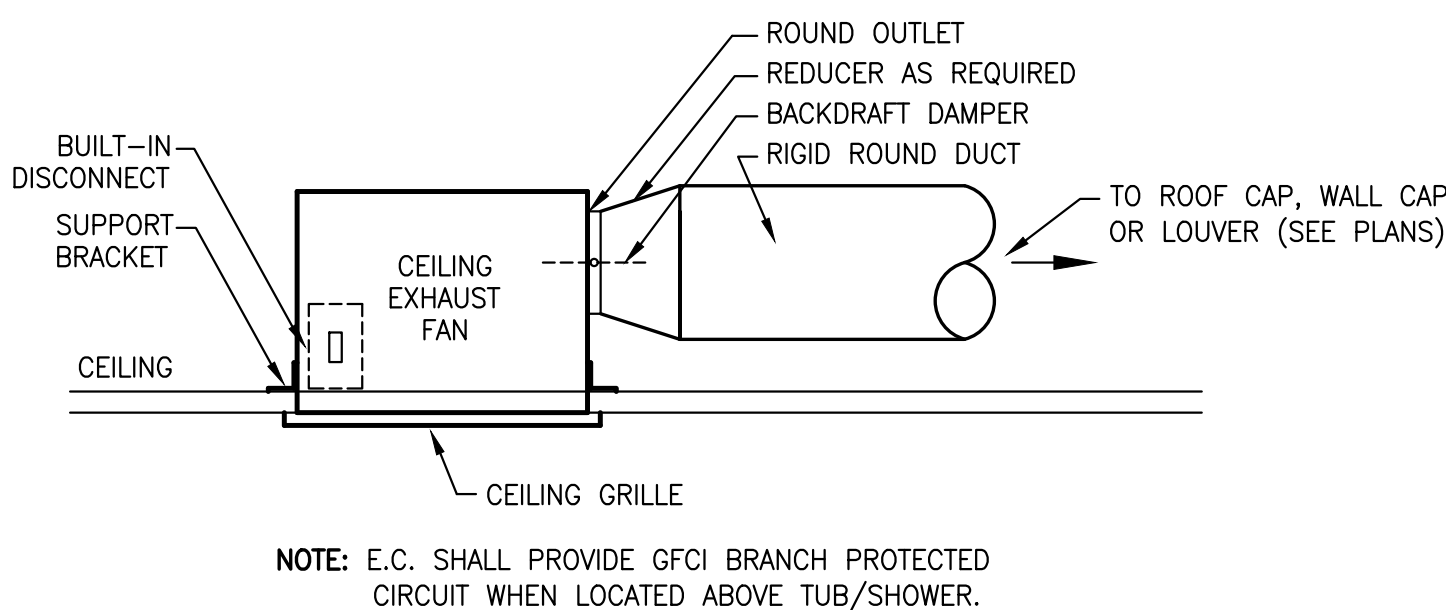
2 OUTDOOR HVAC UNIT DETAIL
SCALE: N.T.S.



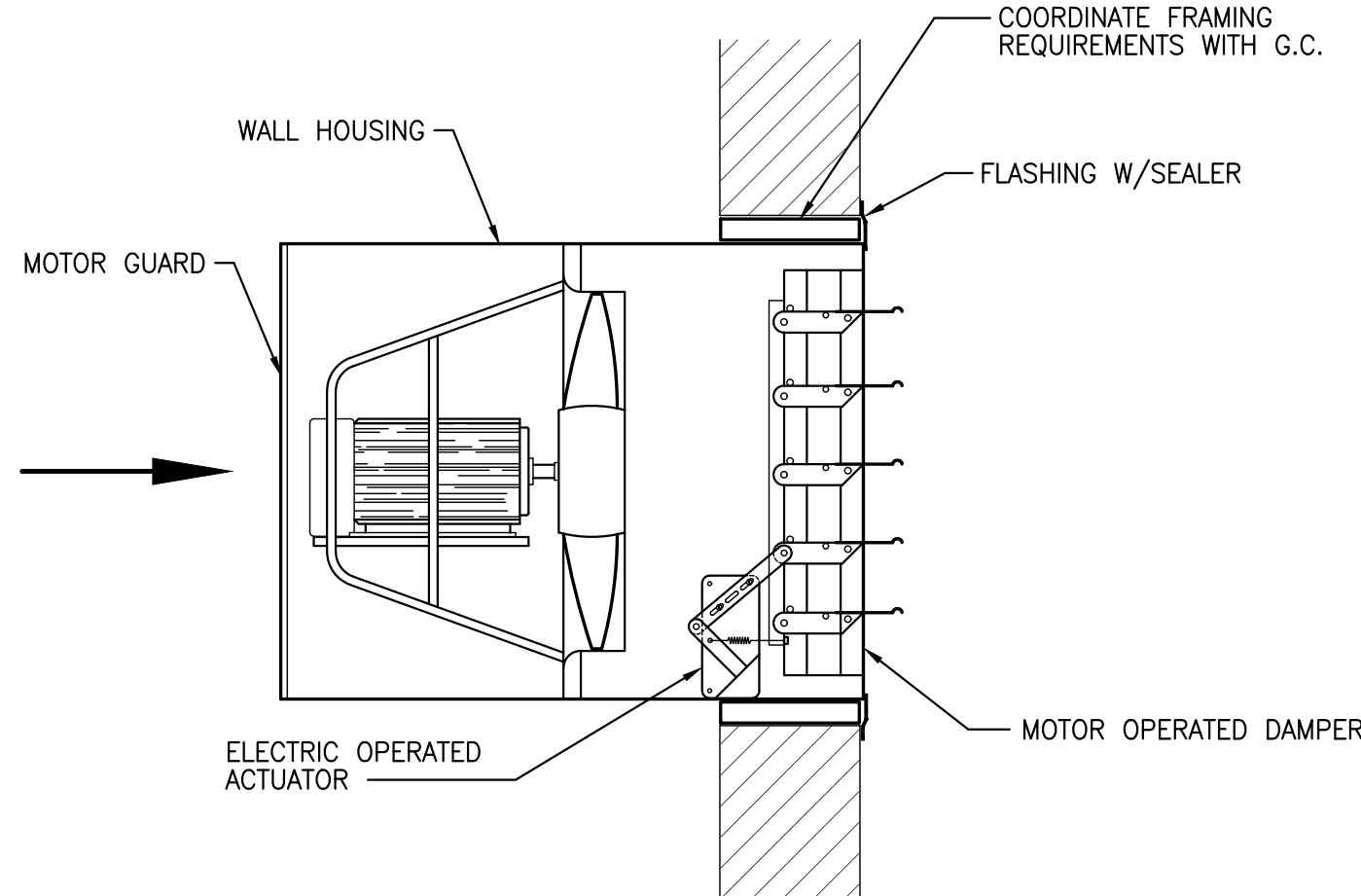
3 ELECTRICAL WIRING COORDINATION DETAIL
SCALE: N.T.S.



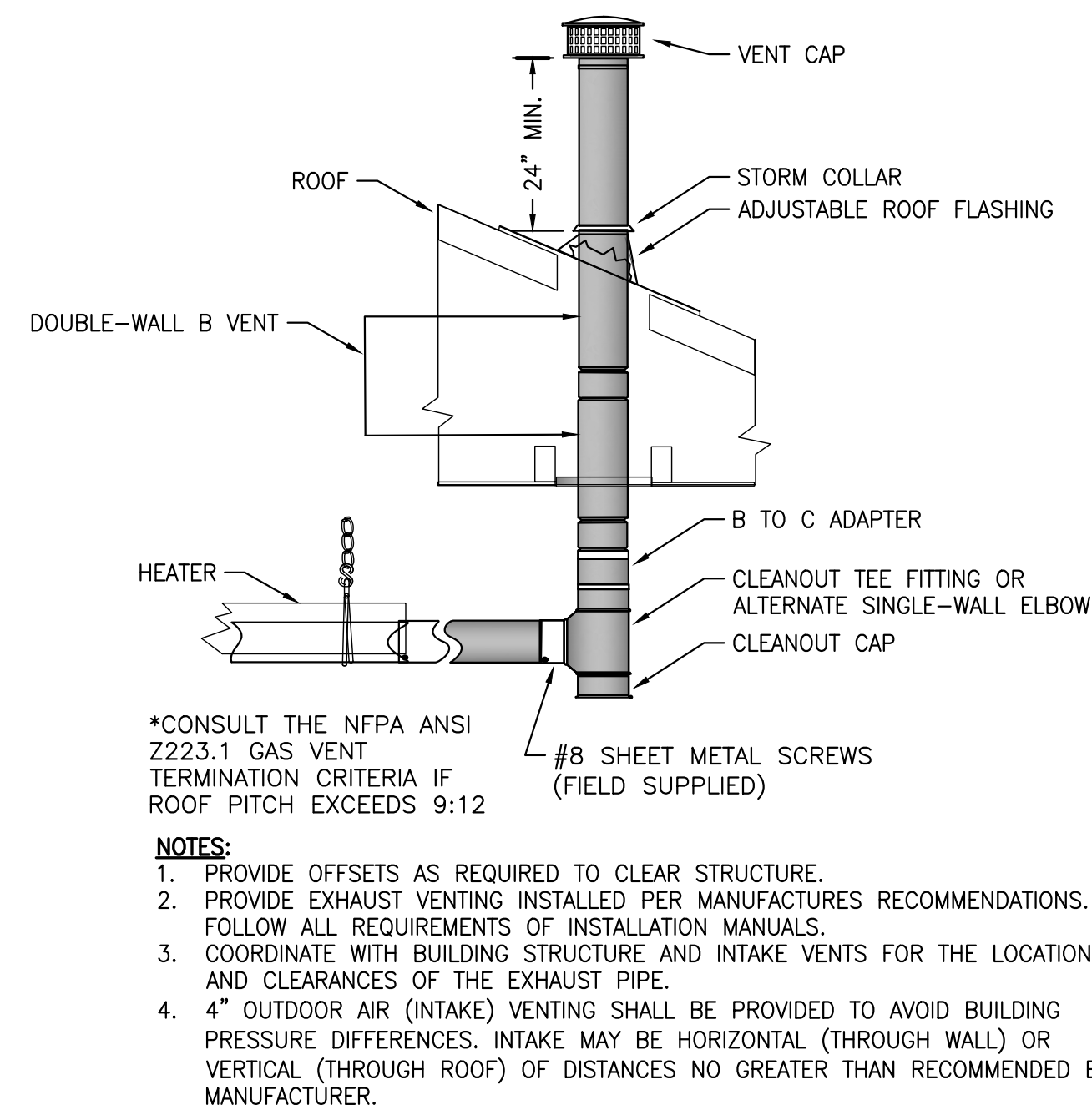
4 MITERED CORNER WITH TURNING VANES
SCALE: N.T.S.



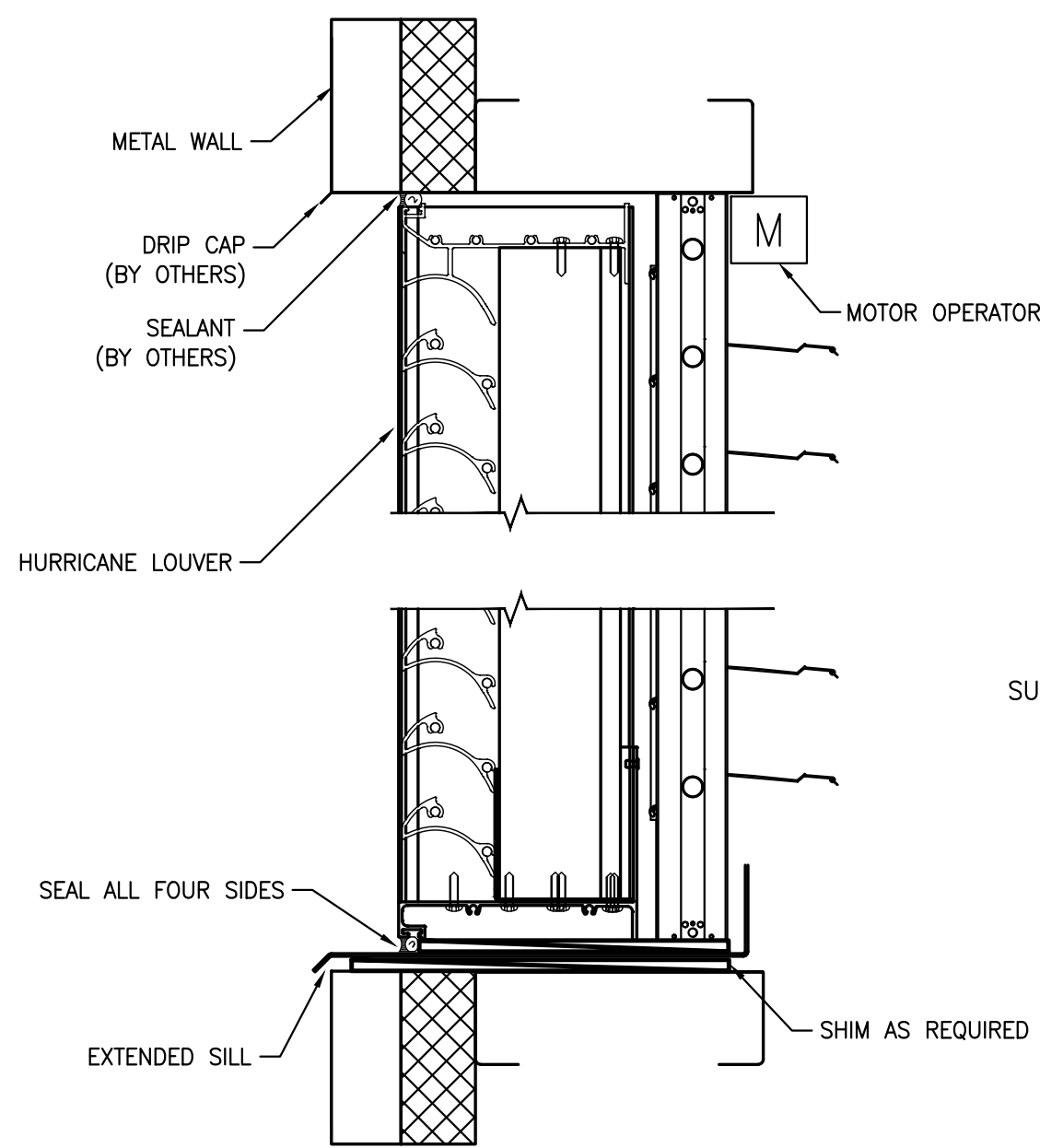
5 CEILING MOUNTED EXHAUST FAN DETAIL
SCALE: N.T.S.



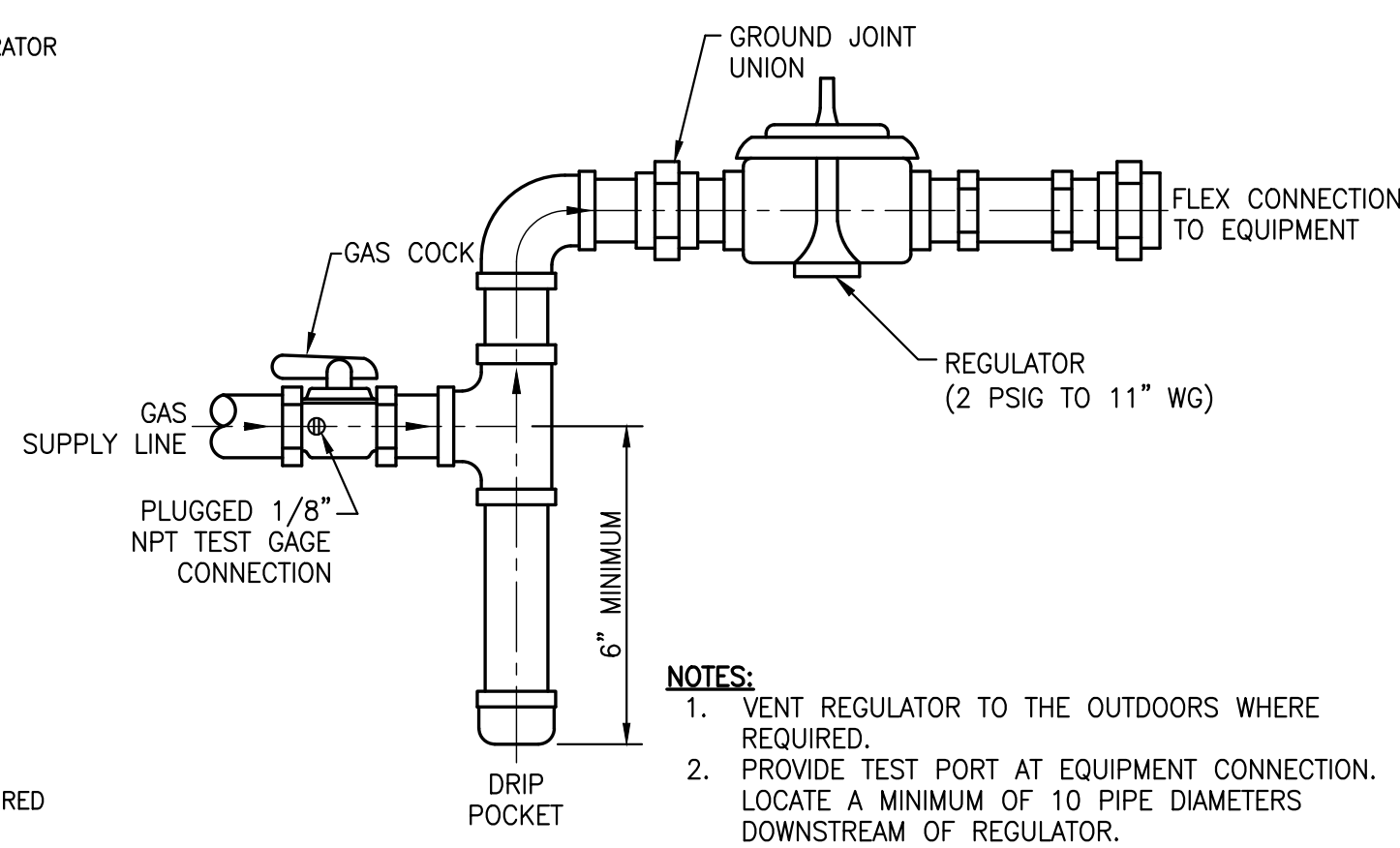
6 WALL PROPELLER FAN DETAIL
SCALE: N.T.S.



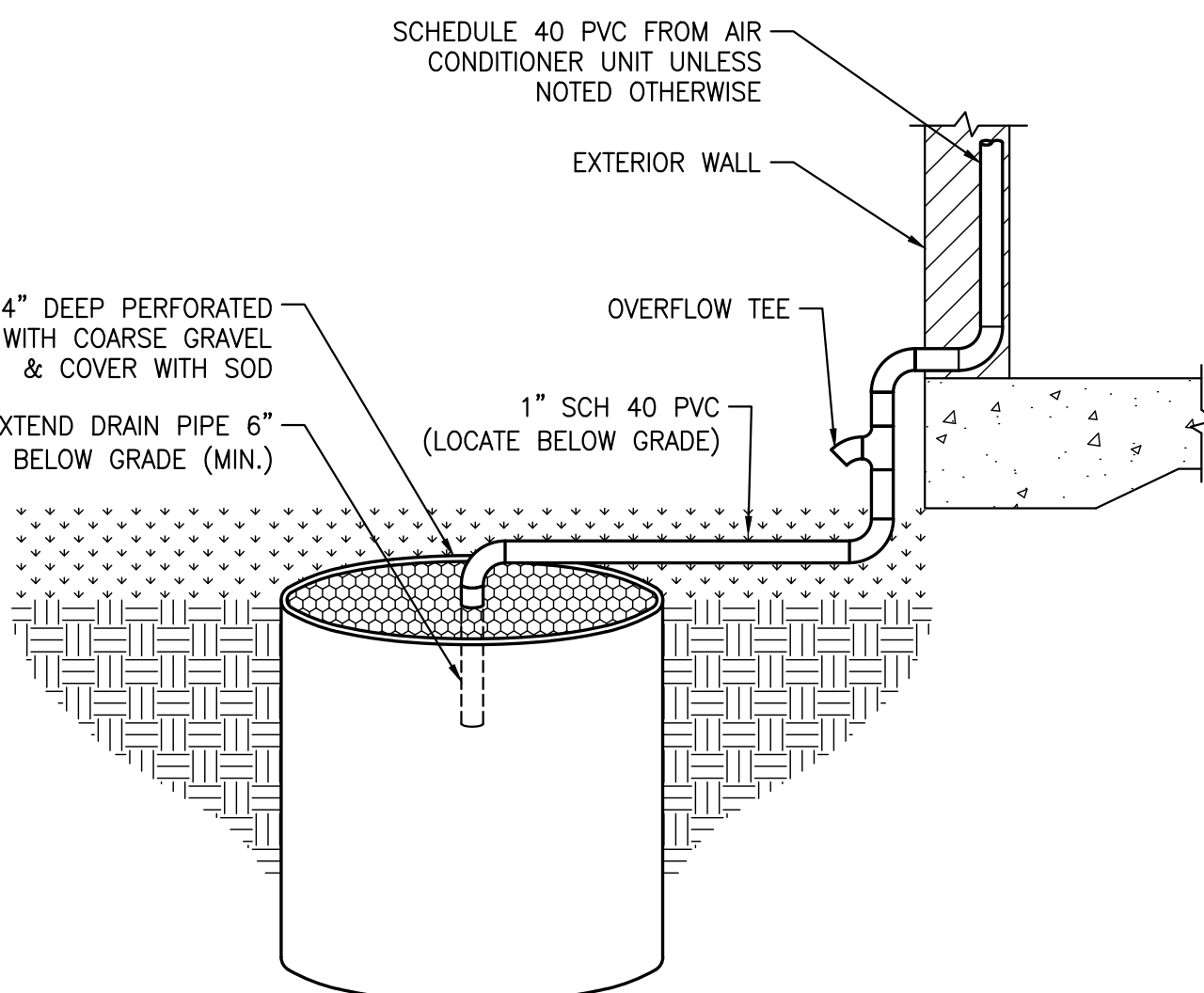
7 GAS VENTING INSTALLATION FOR RADIANT HEATER DETAIL
SCALE: N.T.S.



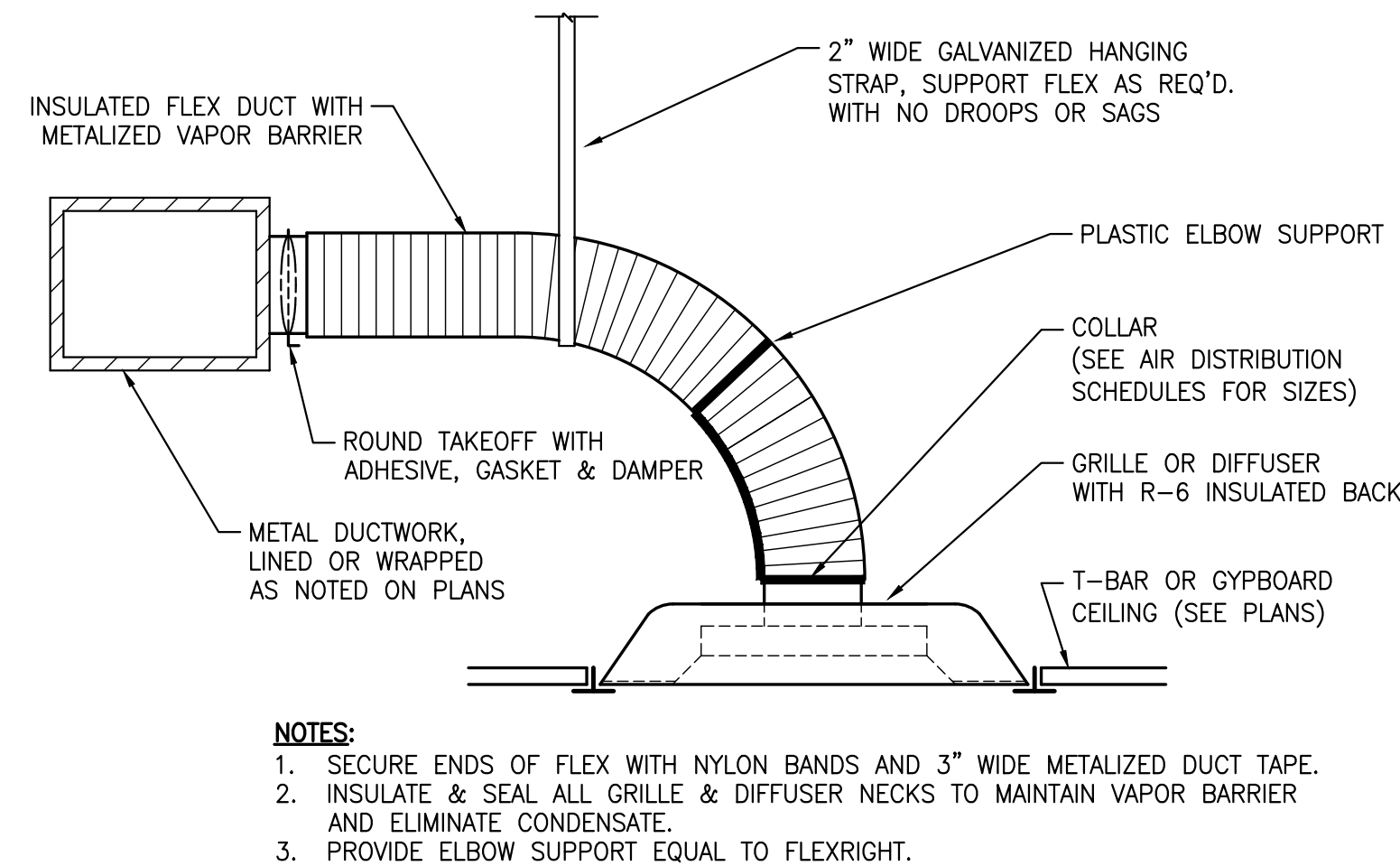
8 HURRICANE LOUVER WITH DAMPER
SCALE: N.T.S.



9 GAS EQUIPMENT CONNECTION DETAIL
SCALE: N.T.S.



10 DRYWELL (FRENCH DRAIN) DETAIL
SCALE: N.T.S.



11 AIR DISTRIBUTION DETAIL
SCALE: N.T.S.

Revisions
No. Date

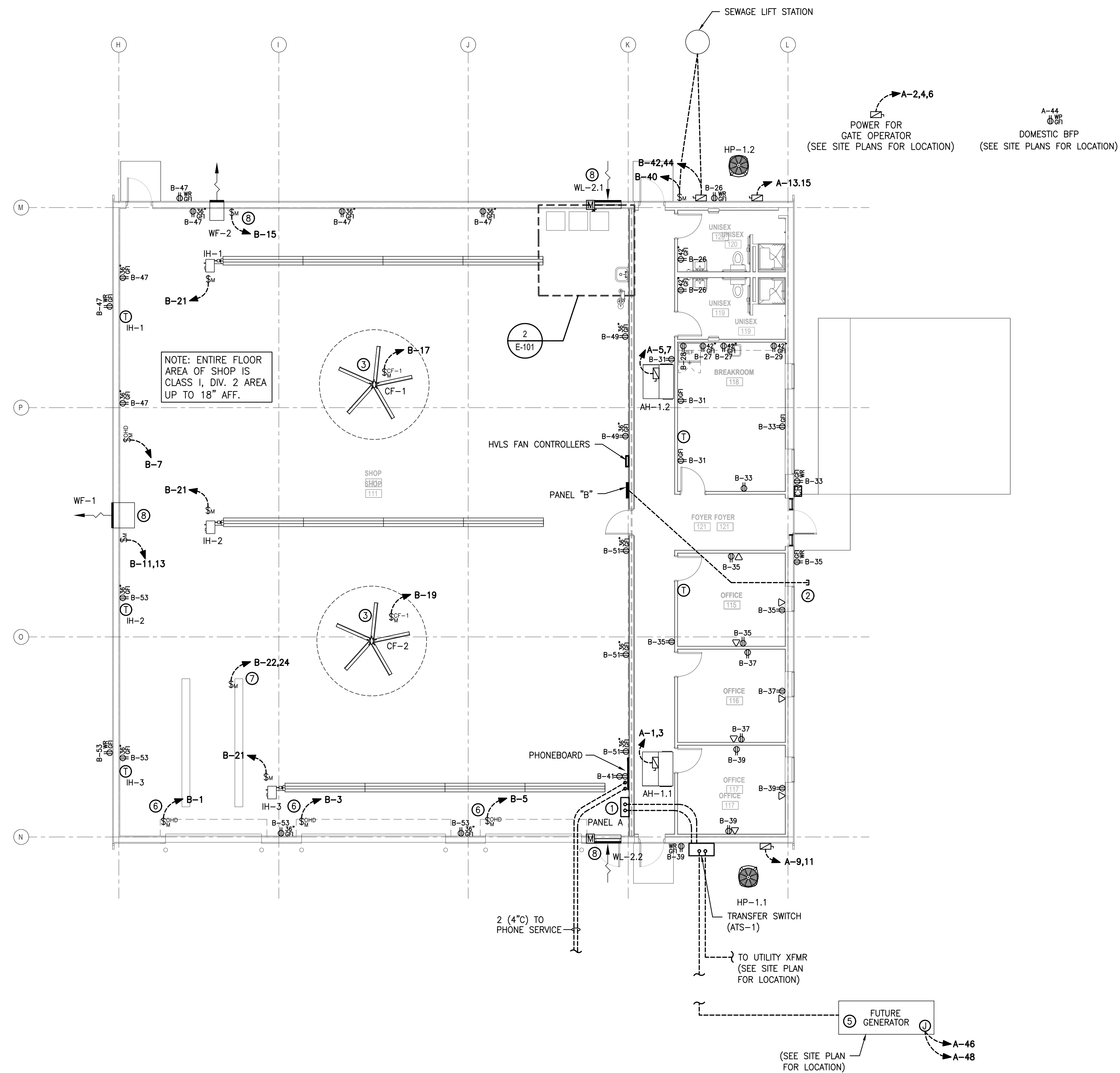
Project Number 2523.JCPW Date 7/21/26
Drawn Checked

Scale AS NOTED
Drawing Title

MECHANICAL DETAILS

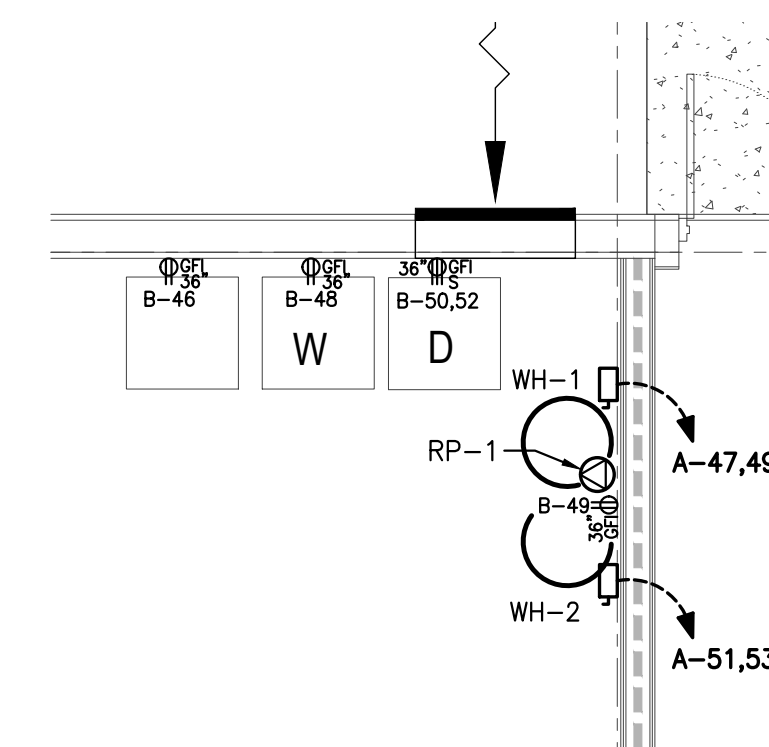
Sheet Number 2 OF 4
Drawing Number

M-201



INSTALLATION KEYED NOTES " # ":

1. PROVIDE (3) SPARE 1" FROM PANEL A TO EXTERIOR OF BUILDING. RACEWAYS SHALL BE ROUTED DOWN FROM PANEL AND INTO BUILDING SLAB, THROUGH FOOTING AND CAPPED UNDERGROUND. EXTEND 5- FEET BEYOND EDGE OF BUILDING.
2. PROVIDE (2) SPARE 2" FROM PANEL B TO EXTERIOR OF BUILDING RACEWAYS. PROVIDE AS-BUILT PLANS SHOWING TERMINATION LOCATION OF RACEWAYS.
3. PROVIDE 1" FROM CONTROLLER TO NEAR CEILING JOIST FOR CONTROL WIRING TO HVLS FAN (CF-1 AND CF-2).
4. PROVIDE RACEWAY & WIRING TO FUTURE OVERHEAD DOOR LOCATION.
5. PROVIDE EMPTY CONDUITS TO FUTURE GENERATOR LOCATION AND CAP UNDERGROUND. PROVIDE RACEWAYS WITH DETECTABLE TAPE ABOVE.
6. PROVIDE CONTROL WIRING AS SUGGESTED BY MANUFACTURER OF OVERHEAD DOOR IN 1/2" CONDUIT TO THE DOOR CONTROLLER. INSTALL DOOR CONTROLLER AT 48" A.F.F. ADJACENT TO THE DOOR. INSTALL THE MOTOR DISCONNECTS EITHER AT 40" A.F.F. OR NEAR THE MOTOR.
7. LIFT IS FUTURE. INSTALL DISCONNECT AT CEILING.
8. PROVIDE 120V INTERLOCK WIRING FROM FAN TO ASSOCIATED LOUVER.



2 ENLARGED ELECTRICAL POWER & RECEPTACLE PLAN
SCALE: 1/4" = 1'-0"



 RATED WALL LEGEND	
	1-HOUR RATED WALL

1 ELECTRICAL POWER & RECEPTACLE PLAN
SCALE: 1/8" = 1'-0"

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Project Number	Date
2523.JCPW	7/21/26
Drawn	Checked

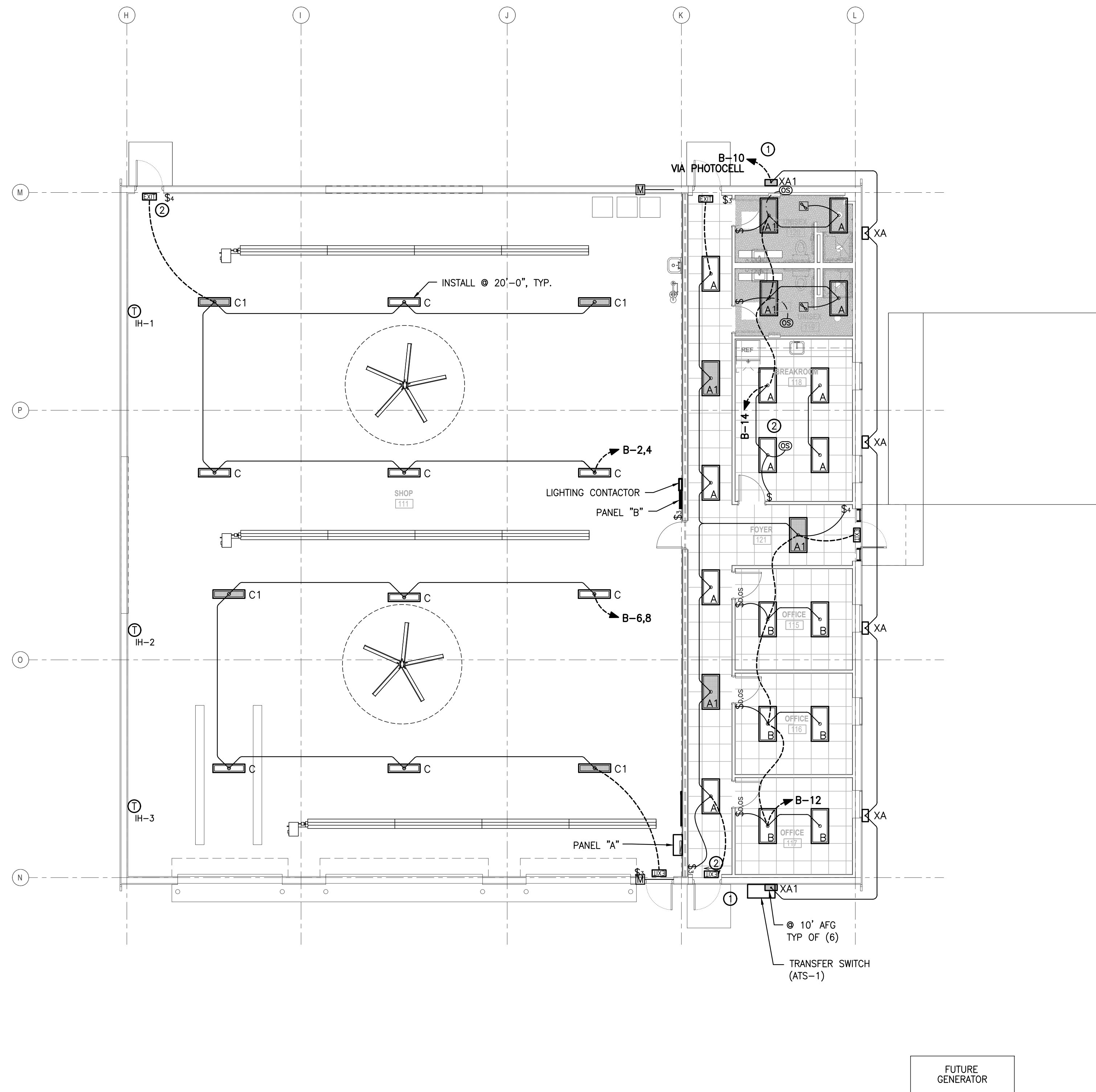
Scale
AS NOTED
Drawing Title

ELECTRICAL PLANS

Sheet Number
1 Of 7

Drawing Number

E-101

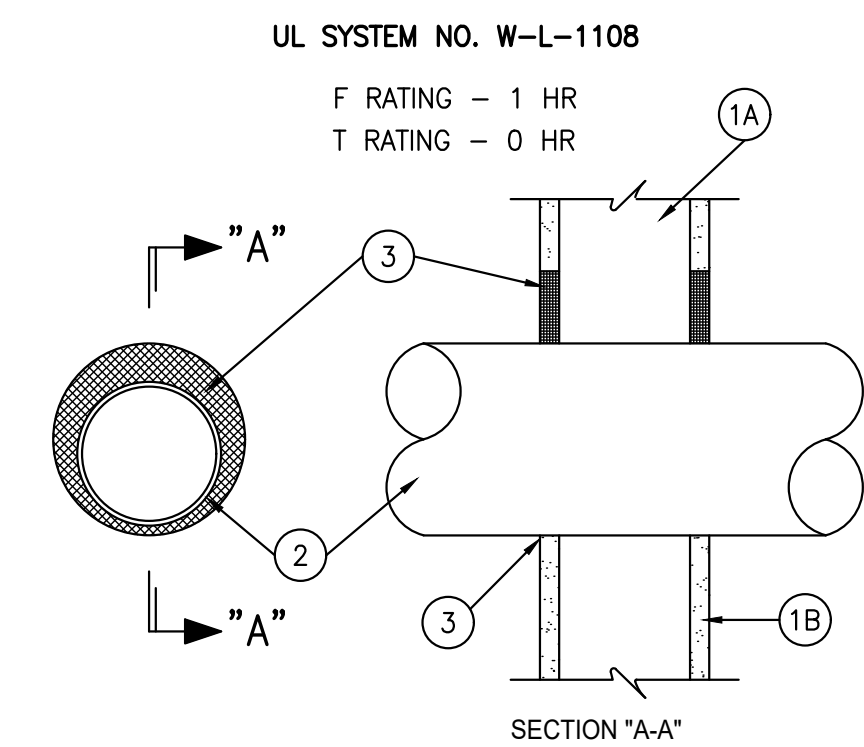


1 ELECTRICAL LIGHTING PLAN
SCALE: 1/8" = 1'-0"



INSTALLATION KEYED NOTES "B":

1. INSTALL PHOTOCELL HIGH ON NORTH WALL. COORDINATE WITH OWNER AND ARCHITECT FOR FINAL LOCATION.
2. PROVIDE WALL SWITCHES AS SHOWN FOR SHOP LIGHTS.



1. WALL ASSEMBLY - THE FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
 - A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM. 2 BY 4 IN. LUMBER SPACED 16 IN. O.C. STEEL STUDS TO BE MIN 2-1/2 IN. WIDE AND SPACED MAX 24 IN. O.C.
 - B. WALLBOARD, GYPSUM* - ONE LAYER OF NOM 5/8 IN. THICK GYPSUM WALLBOARD, AS SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. MAXIMUM DIAMETER OF OPENING IS 11-3/4 IN.
2. THROUGH PENETRANTS - ONE METALLIC PIPE, CONDUIT OR TUBING TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
 - A. STEEL PIPE - NOM 10 IN. DIA. (OR SMALLER) SCHEDULE 20 (OR HEAVIER) STEEL PIPE. THE ANNULAR SPACE SHALL BE MIN 0 IN. TO MAX 1 IN.
 - B. IRON PIPE - NOM 10 IN. DIA. (OR SMALLER) CAST OR DUCTILE IRON PIPE. THE ANNULAR SPACE SHALL BE MIN 0 IN. TO MAX 1 IN.
 - C. CONDUIT - NOM 2 IN. DIA. (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR STEEL CONDUIT. THE ANNULAR SPACE SHALL BE MIN 0 IN. TO MAX 1 IN.
 - D. COPPER TUBING - NOM 2 IN. DIA. (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING. THE ANNULAR SPACE SHALL BE MIN 0 IN. TO MAX 1 IN.
 - E. COPPER PIPE - NOM 2 IN. DIA. (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE. THE ANNULAR SPACE SHALL BE MIN 0 IN. TO MAX 1 IN.
3. FILL, VOID OR CAVITY MATERIAL - CAULK - MIN 1/2 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTH SURFACES OF WALL AT THE POINT CONTACT LOCATION BETWEEN PIPE AND WALL. A MIN 1/4 IN. DIA. BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE WALL/PIPE INTERFACE ON BOTH SURFACES OF WALL.

THE RECTORSEAL CORP.-METACAULK 1000 *BEARING THE UL CLASSIFICATION MARKING
FIRESTOP MATERIALS BY 3M AND SPECSEAL ARE ACCEPTABLE WHERE TESTED & ACCEPTED BY U.L. FOR THIS APPLICATION.

1 UL 1 HOUR GYPBOARD WALL PENETRATION DETAIL
SCALE: N.T.S.

RATED WALL LEGEND	
-----	1-HOUR RATED WALL

Revisions	
No.	Date

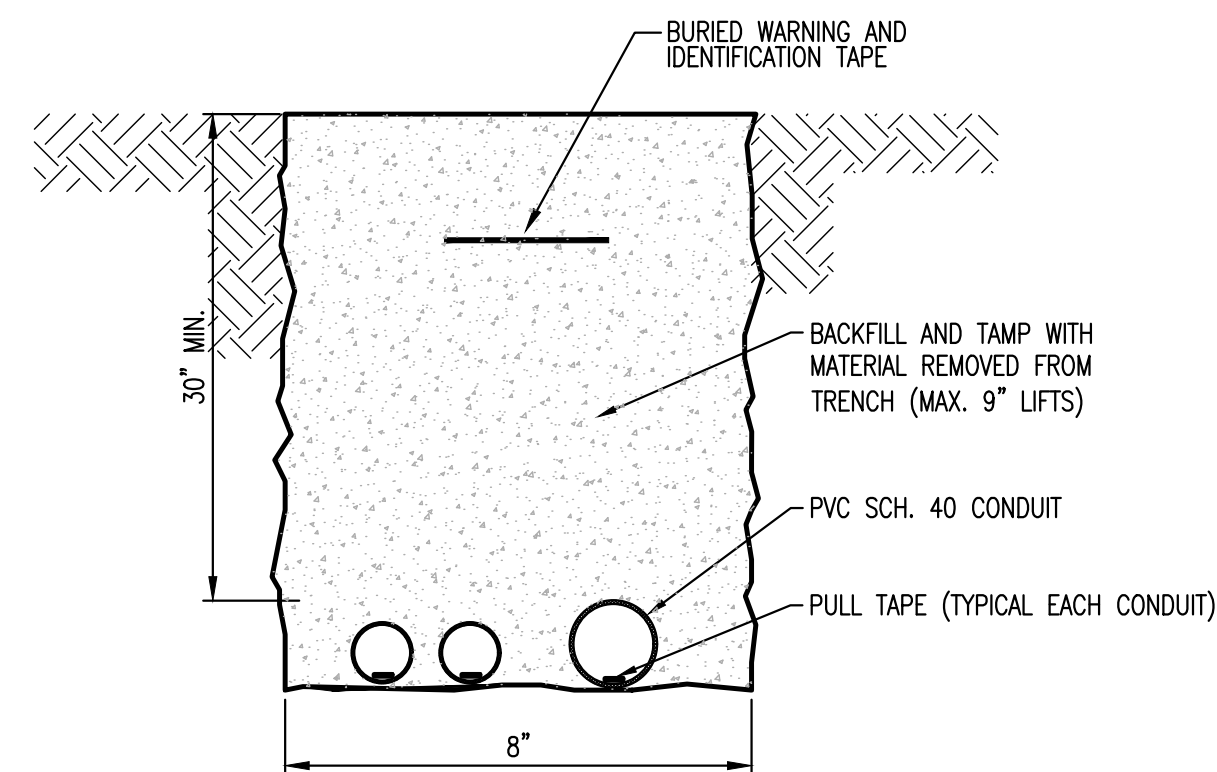
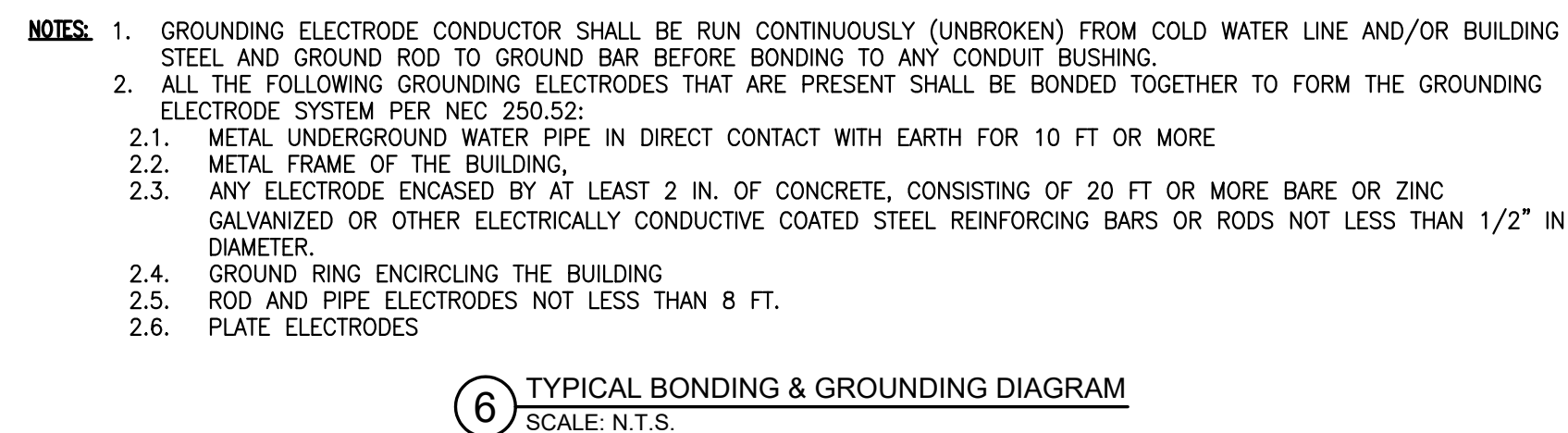
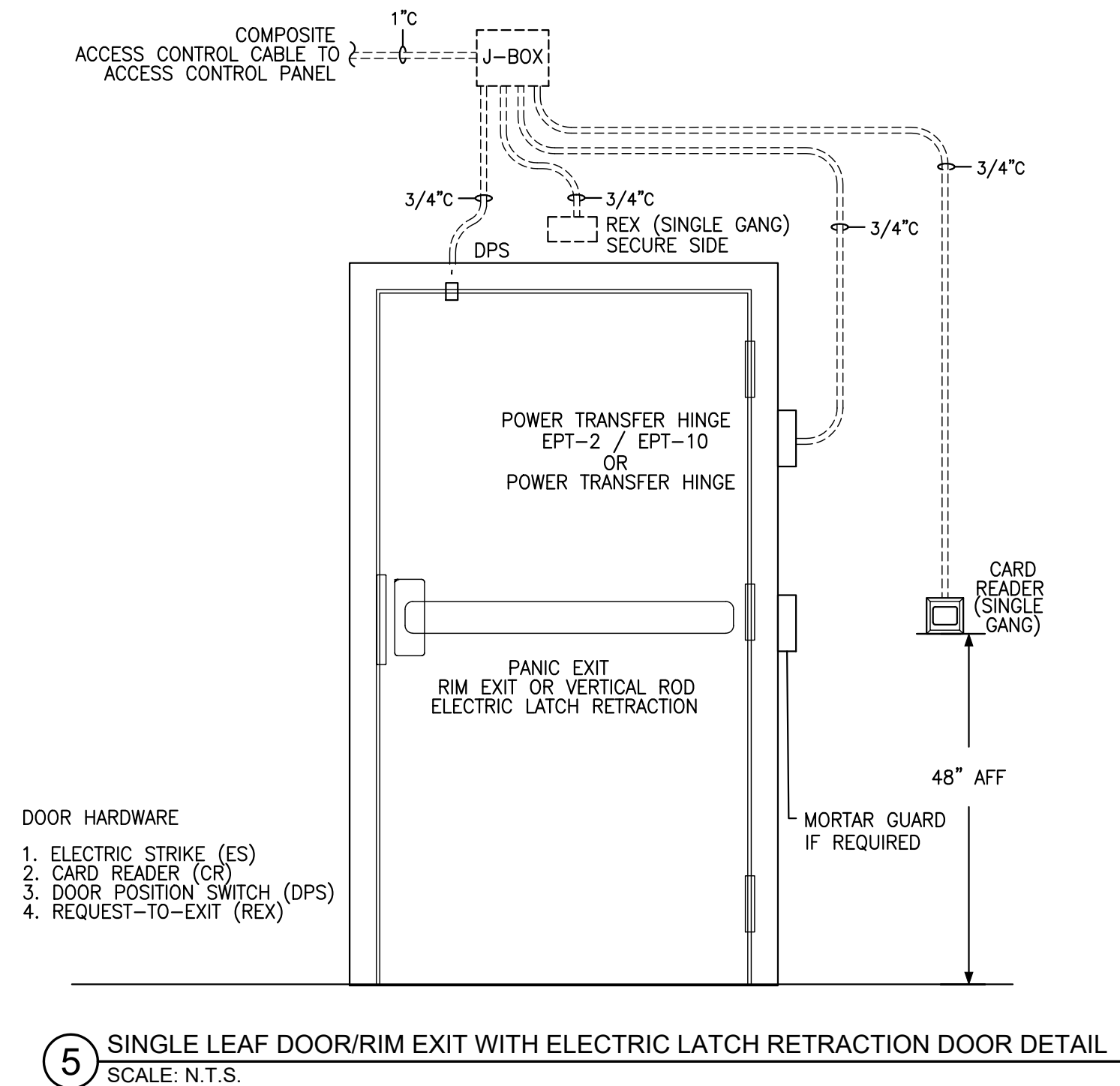
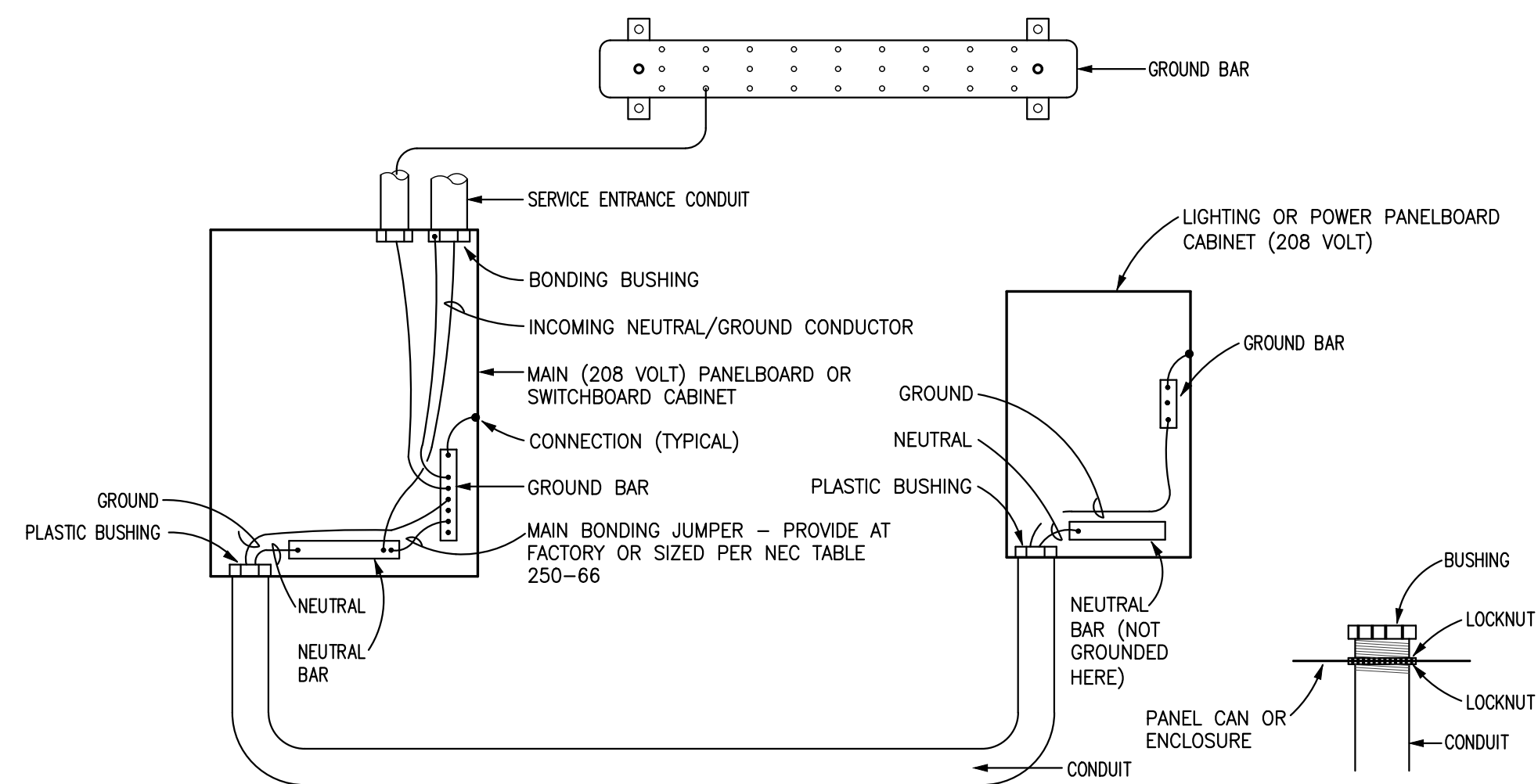
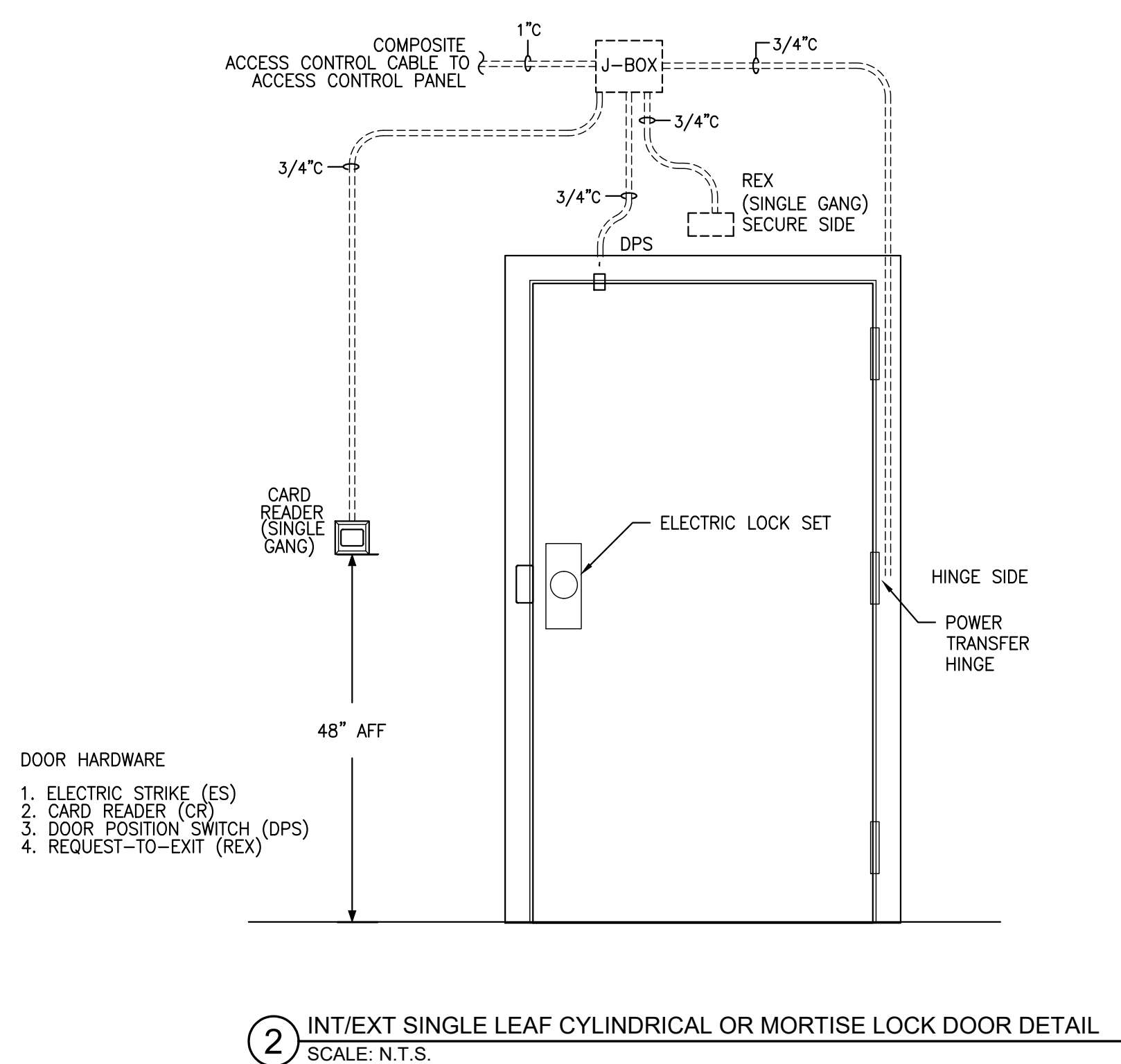
Project Number 2523.JCPW	Date 7/21/26
Drawn	Checked

Scale
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ELECTRICAL
PLANS

Sheet Number 2 of 7	Drawing Number
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E-102



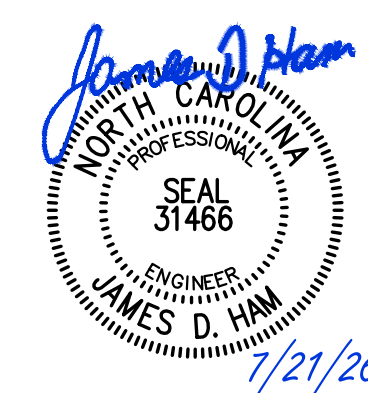
- NOTES:**
1. DIRECT BURIED CONDUITS APPLY TO BRANCH CIRCUITS FROM PANELBOARDS, DATA, AND SECURITY RACEWAYS.
 2. UNDERGROUND WARNING TAPE: PROVIDE WATERPROOF MARKING CORD (130-POUND TENSILE TEST MARKED AT LEAST EVERY FOOT EQUIVALENT TO GREENLINE NO. 435) IN ALL DUCTS, INCLUDING SPARES, ONCE CLEAN AND FREE OF OBSTRUCTIONS. INSTALL WARNING TAPE 24" ABOVE RACEWAY, OR 12" BELOW GRADE IF CONDUIT IS BURIED 24" BELOW GRADE.
 3. PROVIDE GRC CONDUIT ELBOWS AT TURN UP TO EQUIPMENT AND AT BUILDING ENTRANCES THROUGH FLOOR.
 4. THIS DETAIL IS TYPICAL FOR ALL CONDUITS REGARDLESS OF QUANTITY. SEE PLANS FOR EXACT SIZES AND QUANTITY.

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the GROUP
ARCHITECTURE
incorporated
PO BOX 541, NEW BERN, NC 28563
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P.O. BOX 11527 NC LIC #: C-11322
GOLDSBORO, NC 27532
TEL: (919) 778-9064

PROJECT NO.	PROJECT MGR.	DRAWN BY
226002	D. HAM	BLT



Jones County Public Works Building

1539 NC HWY 58
TRENTON, NC 28585

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Project Number	Date
2523.JCPW	7/21/26
Drawn	Checked

Scale
AS NOTED
Drawing Title

ELECTRICAL DETAILS

Sheet Number
4 Of 7

E-202

NOTE: CONTRACTOR SHALL PROVIDE LABEL AT THE SERVICE EQUIPMENT INDICATING THE AVAILABLE FAULT CURRENT PER NEC 110.24. ENGINEER WILL PROVIDE CONTRACTOR LABEL DATA FOR FAULT CURRENT AFTER RECEIVING THE FOLLOWING: FINAL UTILITY TRANSFORMER SIZE AND IMPEDANCE VALUE (%Z), SERVICE CONDUCTOR LENGTH, QUANTITY PER PHASE, AND CONDUCTOR MATERIAL (COPPER OR ALUMINUM).

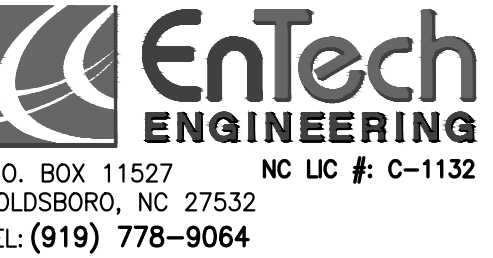


NOTE: E.C. SHALL PROVIDE ALTERNATE PRICING FOR GENERATOR (BID ALTERNATE 04). TRANSFER SWITCH SHALL BE BASE BID.

COORDINATE HVAC BREAKERS AND WIRE SIZES WITH HVAC SUBMITTALS
COORDINATE BREAKERS AND WIRE SIZES FOR OWNER FURNISHED EQUIPMENT WITH SUBMITTALS
PROVIDE SEPARATE NEUTRALS FOR ALL CIRCUITS.

- ① PROVIDE 30mA GFPE BREAKER FOR EQUIPMENT PROTECTION (UL 1053)
- ② PROVIDE UNDER BID ALTERNATE 04.
- ③ HORSEPOWER UNKNOWN. CONTRACTOR TO VERIFY WIRE AND BREAKER SIZES.
- ④ PROVIDE WITH LOCKING BREAKER & IDENTIFY WITH A RED MARKING PER NFPA 72-10.6.5.2 (2013).

		CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND LOAD (KVA)
COORDINATE HVAC BREAKERS AND WIRE SIZES WITH HVAC SUBMITTALS				
COORDINATE BREAKERS AND WIRE SIZES FOR OWNER FURNISHED EQUIPMENT WITH SUBMITTALS PROVIDE SEPARATE NEUTRALS FOR ALL CIRCUITS.				
①	HORSEPOWER UNKNOWN. CONTRACTOR TO VERIFY WIRE AND BREAKER SIZES.	INDOOR LIGHTING = 4.4	100%	= 4.4
		OUTDOOR LIGHTING = 0.5	100%	= 0.5
②	PROVIDE WITH CLASS "A" (6ma) GFCI BREAKER IN ACCORDANCE WITH UL 489 AND UL 943.	RECEPTACLES (1ST 10 KVA) = 4.3	100%	= 4.3
		RECEPTACLES (AFTER 10 KVA) = 4.3	50%	= 2.15
③	WIRE THROUGH PHOTOCELL	HVAC = 4.7	100%	= 4.7
		HVAC (NON-COINCIDENTAL) = 0	0%	= 0
		DEDICATED RECP/EQUIP = 29.0	100%	= 29.0
④	CONTRACTOR SHALL VERIFY AND COORDINATE WITH PLANNED CONDUIT ROUTING.	TOTALS: = 42.9 KVA		= 42.9 KW
MINIMUM PANEL SIZE: 43 KVA x 125% = 54 KVA (149 AMPS)				
GROSS PHASE TOTALS (AMPS) A = 152 B = 111 C = 128				



A circular professional engineer seal for the State of North Carolina. The outer ring contains the text "NORTH CAROLINA" at the top and "PROFESSIONAL" at the bottom. In the center, it reads "SEAL 31466". Below the seal number, it says "ENGINEER" and "JAMES D. HAM". A handwritten signature "James D. Ham" is written in blue ink across the top of the seal. The date "7/21/26" is handwritten in blue ink at the bottom right.

1539 NC HWY 58
TRENTON, NC 28585

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ELECTRICAL SCHEDULES

E-302

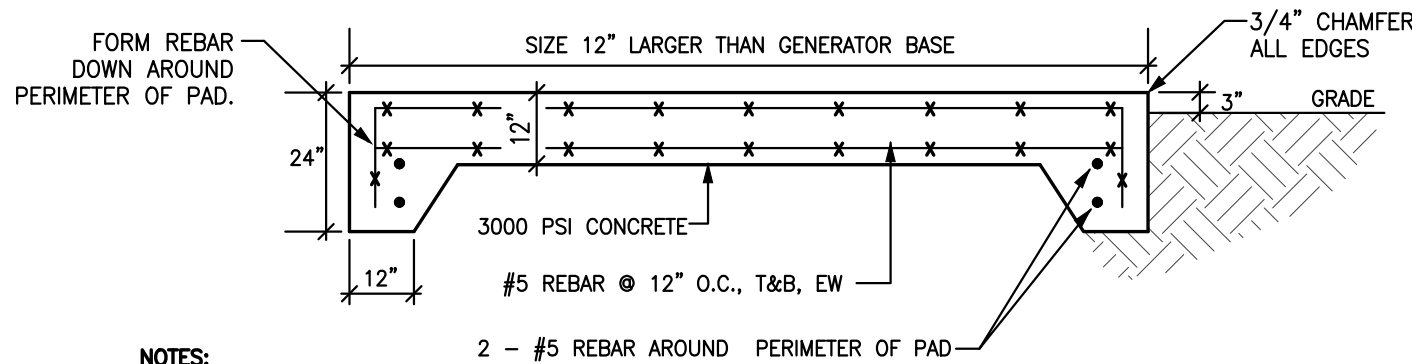
ELECTRICAL LEGEND			
SYM.	DESCRIPTION	REF. MODEL NO.	REMARKS
	JUNCTION BOX	—	DOUBLE GANG UNO
	THERMOSTAT OR SENSOR JUNCTION BOX	—	MOUNT 48" TOD AFF UNO
	NON-FUSED DISCONNECT	—	—
	FUSED DISCONNECT	—	—
	CEILING OCCUPANCY SENSOR DUAL TECHNOLOGY (LOW VOLTAGE)	WATTSTOPPER DT-305	CONTRACTOR SHALL VERIFY COVERAGE OF SENSORS
	CEILING OCCUPANCY SENSOR DUAL TECHNOLOGY (LINE VOLTAGE - 800W)	WATTSTOPPER DT-355	CONTRACTOR SHALL VERIFY COVERAGE OF SENSORS
	CEILING OCCUPANCY SENSOR (LOW VOLTAGE)	WATTSTOPPER WT-1105 OR WT-2205	CONTRACTOR SHALL VERIFY COVERAGE OF SENSORS
	WALL SWITCH WITH OCCUPANCY SENSOR (ULTRASONIC)	WATTSTOPPER UW-100, OR EQUAL	—
	WALL SWITCH WITH OCCUPANCY SENSOR (PASSIVE INFRARED)	WATTSTOPPER PW-100, OR EQUAL	—
	WALL SWITCH WITH OCCUPANCY SENSOR (PASSIVE INFRARED)	WATTSTOPPER PW-103, OR EQUAL	MULTI-WAY CONTROL UP TO FOUR SWITCH LOCATIONS
	SWITCH	HUBBELL CSB120x	—
	0-10V DIMMER SWITCH	HUBBELL PSD710-UNV	STAND ALONE CONTROL
	0-10V DIMMER SWITCH W/ 3-WAY CONTROL	LEVITON DD710-BDZ	STAND ALONE CONTROL
	3 WAY SWITCH	HUBBELL CS320x	—
	4 WAY SWITCH	HUBBELL CS420x	—
	MANUAL MOTOR SWITCH	SIEMENS MMS	MOUNT AS REQUIRED
	OVERHEAD DOOR CONTROL	—	MOUNT AS REQUIRED
	EMERGENCY LIGHT	—	SOLID FILL HATCHING
	RECEPTACLE	HUBBELL HBL5362x	HBL5362C2x FOR CONTROLLED RECEPTACLE
	WEATHER RESISTANT	HUBBELL HBL5362xWR	—
	TV RECEPTACLE	HUBBELL HBL5352x W/ ARLINGTON TVB5505	VERIFY RECEPTACLE HEIGHTS WITH OWNER
	GROUND FAULT RECEPTACLE	HUBBELL GFRST20x	SELF TESTING PER UL 943
	GROUND FAULT, WEATHER RESIST RECEPT.	HUBBELL GFTWRST20x W/"IN USE" COVER	SELF TESTING PER UL 943
	CEILING RECEPTACLE	—	—
	SPECIAL RECEPTACLE	—	COORDINATE WITH EQUIPMENT
	DOUBLE DUPLEX RECEPTACLE	HUBBELL (2) HBL5352x	—
	XX=PANAL YY=CIRCUIT IDENTIFIER	—	—
	GROUND BAR	—	SEE DRAWING DETAILS
	DATA/PHONE OUTLET	—	DOUBLE GANG UNO
	WIRELESS ACCESS POINT ANTENNA	—	SINGLE GANG WITH 1-CAT6 INSTALLED IN CLG UNO
	DOOR CARD READER	—	SEE SECURITY DOOR DETAILS

NOTES:

1. STANDARD MOUNTING HEIGHTS OF DEVICES SHALL BE AS LISTED IN LEGEND. SPECIFIC MOUNTING HEIGHT OF A DEVICE MAY VARY AS NOTED ON PLANS.
2. E.C. SHALL COORDINATE COLOR SELECTION OF DEVICES AND COVERPLATES WITH ARCHITECT, OWNER AND/OR G.C.
3. PROVIDE EQUIPMENT SHOWN BY HUBBELL, PASS & SEYMOUR, COOPER WIRING DEVICES, OR EQUAL PRODUCT.
4. PROVIDE LOW VOLTAGE OCCUPANCY SENSORS WITH POWER PACKS AS REQUIRED.

ABBREVIATIONS:

G.C.	GENERAL CONTRACTOR	AFG	ABOVE FINISHED GRADE
P.C.	PLUMBING CONTRACTOR	UNO	UNLESS NOTED OTHERWISE
M.C.	MECHANICAL CONTRACTOR	CL	CENTERLINE OF DEVICE
E.C.	ELECTRICAL CONTRACTOR	BOD	BOTTOM OF DEVICE
AFF	ABOVE FINISHED FLOOR	TOD	TOP OF DEVICE



- NOTES:** 1 - 2# REBAR AROUND PERIMETER OF PAD
1. CONFIRM FINAL LOCATION OF POWER AND CONTROL CONDUITS WITH MANUFACTURER DATA PRIOR TO INSTALLATION.
 2. MAINTAIN MINIMUM 48" SPACING AROUND GENERATOR ENCLOSURE AREA FOR REFUELING AND FUTURE SERVICE REQUIREMENTS.
 3. PROVIDE 4/0 AWG BARE COPPER GROUND RING 24" FROM EDGE OF GENERATOR PAD BURIED 30" BELOW GRADE. PROVIDE 10" X 3/4" COPPER CLAD GROUND ROD AT EACH CORNER OF GENERATOR PAD AND EXOTHERMICALLY WELDED TO THE COPPER RING. PROVIDE MINIMUM 36" PIGTAIL THROUGH PAD FOR CONNECTION TO THE GENERATOR FRAME. PROVIDE 4/0 BARE COPPER CONDUCTOR FROM THE COPPER RING TO EITHER THE BUILDING GROUND OR MAIN ELECTRICAL SERVICE GROUND BUS.
 4. PROVIDE MINIMUM 2" CONCRETE COVER FOR TOP REBAR AND 3" COVER TO EARTH FOR LOWER LEVEL OF REBAR.
 5. IF UNSUITABLE MATERIAL IS ENCOUNTERED, REMOVE ALL UNSUITABLE MATERIAL FROM BELOW THE PROPOSED SLAB AND PLACE BASE LAYER OF 12" GRANULAR FILL MATERIAL TO THE BOTTOM GRAVEL BASE LAYER. ALTERNATELY, REMOVE ALL UNSUITABLE MATERIAL AND REPLACE WITH COMPACTED GRAVEL.

1 GENERATOR CONCRETE PAD INSTALLATION DETAIL
N.T.S.

LIGHT FIXTURE SCHEDULE																			
MARK	DESCRIPTION	REF MANF	MODEL NUMBER FOR FIXTURE REFERENCE QUALITY AND APPEARANCE	SOURCE	LED LUMENS	COLOR TEMP	CRI	FIXTURE INPUT WATTS	VOLTS	MULTI-VOLT INF.	DIMMING TO 10%	STEP LEVEL DIM.	BATTERY BACK-UP	BATTERY BACK-UP	DAMP LOCATION	WET LOCATION	STANDARD COLOR	CUSTOM COLOR	REMARKS
A	2x4 LED FLAT PANEL	LITHONIA	CPX 2X4 AL08 80CRI SWW7 SWL MVOLT	LED	4,000	40K	80	25	120	●	●								
A1	2x4 LED FLAT PANEL (EMERGENCY)	LITHONIA	CPX 2X4 ALO8 80CRI SWW7 SWL MVOLT E10W	LED	4,000	40K	80	25	120	●	●		●						
B	2x4 LED FLAT PANEL	LITHONIA	CPX 2X4 AL08 80CRI SWW7 SWL MVOLT	LED	5,000	40K	80	34	120	●	●								
C	LED HIGH BAY	LITHONIA	CPHB 48000LM SEF GCL MD MVOLT GZ10 40K 80CRI IBAC120 M100	LED	48,000	40K	80	324	120	●	●								
C1	LED HIGH BAY (EMERGENCY)	LITHONIA	CPHB 48000LM SEF GCL MD MVOLT GZ10 40K 80CRI E10WCP IBAC120 M100	LED	48,000	40K	80	324	120	●	●		●						
EXIT	EXIT LIGHT	LITHONIA	LQM S 3 R MVOLT EL N	LED	-	-	-	4	120	●							●		
EXTERIOR LIGHTS																			
XA	EXTERIOR WALL PACK	LITHONIA	WDGE1 LED P1 40K 80CRI VW MVOLT	LED	2,000	40K	80	15	120	●						●	●		
XA1	EXTERIOR WALL PACK (EMERGENCY)	LITHONIA	WDGE1 LED P1 40K 80CRI VW MVOLT E4WH	LED	2,000	40K	80	15	120	●			●			●	●		
XB	EXTERIOR 4' LED STRIP LIGHT	LITHONIA	CLX L48 3000LM SEF RDL MVOLT GZ1 40K 80CRI	LED	3,000	40K	80	19	120	●				●		●			
XB1	EXTERIOR 4' LED STRIP LIGHT (EMERGENCY)	LITHONIA	CLX L48 3000LM SEF RDL MVOLT GZ1 40K 80CRI E10W	LED	3,000	40K	80	19	120	●			●		●	●			
XC	EXTERIOR 4' LED STRIP LIGHT	LITHONIA	CLX L48 5000LM SEF RDL MVOLT GZ1 40K 80CRI	LED	5,000	40K	80	32	120	●				●		●			
XC1	EXTERIOR 4' LED STRIP LIGHT (EMERGENCY)	LITHONIA	CLX L48 5000LM SEF RDL MVOLT GZ1 40K 80CRI E10W	LED	5,000	40K	80	32	120	●			●		●	●			

1. PROVIDE EXIT LIGHTS WITH SINGLE OR DOUBLE-FACE AS REQUIRED, CHEVRON DIRECTIONAL INDICATORS, MOUNTING BRACKETS AND NICKEL CADMIUM BATTERY BACKUP.
2. BATTERIES SHALL BE UL924 LISTED FOR 90 MINUTES PER NC FIRE CODE SECTION 1006.3 & 1011.5.3. BATTERIES SHALL BE TESTED PER NEC 700.12(A).
3. PRODUCTS SHALL BE DESIGN BASIS. EQUAL SUBSTITUTIONS SHALL BE EVALUATED.

1. ELECTRICAL PLANS ARE INTENDED TO PROVIDE INFORMATION FOR INSTALLATION OF A COMPLETE ELECTRICAL SYSTEM. PROVIDE ALL ESSENTIAL LABOR, MATERIALS & DEVICES REQUIRED TO PRODUCE A QUALITY END PRODUCT. THIS INCLUDES ALL REQUIRED CONTROL WIRING OR WIRING CALLED FOR BY THE MANUFACTURER AND OTHER MISCELLANEOUS ITEMS REQUIRED FOR THE OPERATION OF THE SYSTEM, WHETHER SPECIFICALLY CALLED OUT OR NOT. INSTALLATION SHALL FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS.
2. CONTRACTOR SHALL REVIEW & BECOME FAMILIAR WITH THE WORK OF ALL TRADES FOR PURPOSES OF COORDINATION AND ROUTING. CONTRACTOR SHALL PROVIDE REQUIRED PLANNING, COORDINATION AND SEQUENCING OF ELECTRICAL INSTALLATION WITH BUILDING COMPONENTS AND OTHER TRADES.
3. ALL WORK SHALL COMPLY WITH THE 2020 VERSION OF THE NATIONAL ELECTRICAL CODE (NEC). WORKMANSHIP SHALL MEET OR EXCEED INDUSTRY STANDARDS.
4. BEFORE SUBMITTING SHOP DRAWINGS TO ENGINEER FOR REVIEW, ELECTRICAL CONTRACTOR SHALL REVIEW, STAMP, AND COORDINATE SUBMITTALS (SHOP DRAWINGS) WITH OTHER SUBMITTALS AND WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. BY APPROVAL AND SUBMITTAL OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS TO THE ENGINEER, THE CONTRACTOR REPRESENTS THAT IT HAS DETERMINED AND VERIFIED AND CHECKED THE INFORMATION WITHIN THE SUBMITTAL WITH THE REQUIREMENTS OF THE WORK AND THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR AND SHALL DETERMINE AND VERIFY ALL FIELD MEASUREMENTS, QUANTITIES, DIMENSIONS, AND INSTALLATION REQUIREMENTS. PROVIDE WRITTEN NOTICE ON SUBMITTAL OF ANY DEVIATIONS. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS FROM CONTRACT DOCUMENTS REQUIREMENTS BY THE ARCHITECT'S APPROVAL OF SHOP DRAWINGS OR OTHER SUBMITTALS UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE ENGINEER IN WRITING OF SUCH DEVIATION AT THE TIME OF THE SUBMITTAL AND SUCH DEVIATION HAS BEEN APPROVED IN WRITING. ALL OPTIONS AND ACCESSORIES SHALL BE CLEARLY MARKED ON THE CUTSHEETS.
5. PROTECT ALL NEW MATERIALS FROM THE WEATHER IN STORAGE TRAILERS OR PROVIDE SUITABLE COVERING.
6. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL DISCONNECTS, STARTERS, DEVICES AND ELECTRICAL COMPONENTS UNLESS SPECIFICALLY NOTED AS PROVIDED BY OTHERS. COORDINATE LOCATION AND WIRING OF DEVICES WITH OTHER TRADES OR SUPPLIERS OF EQUIPMENT SUCH AS: ELEVATOR, FIRE PUMP AND FIRE PROTECTION PLANS, KITCHEN HOOD, KITCHEN COOLER, ETC. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL FIELD WIRING OF SPECIALTY ITEMS UNLESS NOTED OTHERWISE.
7. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL LINE AND LOAD SIDE WIRING INCLUDING ALL TERMINATIONS TO EQUIPMENT PROVIDED UNDER OTHER TRADES. POWER WIRING TO CONTROL DEVICES SHALL BE PROVIDED BY E.C.. INTERLOCK WIRING SHALL BE PROVIDED BY THE CONTRACTOR INSTALLING THE CONTROL DEVICE.
8. ALL WIRING, PANELBOARDS, DEVICES AND OTHER LIKE MATERIALS SHALL BE UL LISTED & LABELED. ALL MATERIALS SHALL MEET THE NEC FOR THE INTENDED USE AND INSTALLED IN ACCORDANCE WITH THE NEC.

9. PROVIDE THHN/THWN COPPER WIRE (UL 83 LISTED). PROVIDE A MINIMUM WIRE SIZE OF #12. ALL WIRE #8 AWG AND LARGER SHALL BE STRANDED, #10 AWG AND SMALLER SHALL BE SOLID. CONDUCTORS AND CONDUIT ON PLANS AND SCHEDULES REFLECT AMPACITIES PER NEC TABLE 310.16 75C RATING. CONTRACTOR SHALL VERIFY ALL TERMINATIONS, LUGS, ETC. ARE RATED FOR USE PER NEC 110.14(C). OTHERWISE PROVIDE CONDUCTOR AND CONDUIT SIZED PER LOWEST TEMPERATURE RATING OF ANY TERMINATION WITHIN A CIRCUIT. A SEPARATE INSULATED EQUIPMENT GROUNDING CONDUCTOR SHALL BE PROVIDED FOR ALL CIRCUITS. ALL EQUIPMENT FEEDERS SHALL BE RUN CONTINUOUS FROM THE BREAKER TO THE DISCONNECT SWITCH; SPLICES ARE NOT ALLOWED. WHERE MORE THAN THREE CURRENT-CARRYING CONDUCTORS ARE INSTALLED IN THE SAME RACEWAY, DERATE PER NEC TABLE 310.15(C)(1). #10 AWG SHALL BE USED FOR 20 AMPERE, 120 VOLT BRANCH CIRCUITS WITH A TOTAL INSTALLED LENGTH GREATER THAN 100 FEET. WHERE THE CONDUCTOR LENGTH FROM THE PANEL TO THE FIRST OUTLET ON A 120 VOLT CIRCUIT EXCEEDS 100 FEET, THE CONDUCTOR TO THE FIRST OUTLET SHALL NOT BE SMALLER THAN #10 AWG. WHERE THE CONDUCTOR LENGTH IS GREATER THAN 150 FEET, THEN USE #8 AWG, AND IF GREATER THAN 250 FEET, USE #6 AWG.

10. COLOR CODING OF WIRE SHALL BE AS FOLLOWS:

208/120V	PHASE A	BLACK
	PHASE B	RED
	PHASE C	BLUE
	NEUTRAL	WHITE
	EQ. GROUND	GREEN

13. EMT CONDUIT PROVIDED BELOW ROOF DECK SHALL BE INSTALLED A MINIMUM OF 2 INCHES AWAY FROM THE DECK. ALL EMPTY RACEWAYS SHALL BE PROVIDED WITH PULL STRING. INSTALL NO MORE THAN EQUIVALENT OF THREE 90-DEGREE BENDS IN CONDUIT RUN. SUPPORT WITHIN 12 INCH OF CHANGES IN DIRECTION. MAKE BENDS IN RACEWAY USING LARGE-RADIUS PREFORMED ELLS EXCEPT FOR PARALLEL BENDS. FIELD BENDING MUST BE IN ACCORDANCE WITH NFPA 70 MINIMUM RADIUS REQUIREMENTS. PROVIDE ONLY EQUIPMENT SPECIFICALLY DESIGNATED FOR MATERIAL AND SIZE INVOLVED. **CONCEAL CONDUIT WITHIN FINISHED WALLS, CEILINGS, AND FLOORS UNLESS OTHERWISE INDICATED OR AT SURFACE MOUNTED PANELBOARDS.** INSTALL CONDUITS PARALLEL OR PERPENDICULAR TO BUILDING LINES. SUPPORT CONDUIT WITHIN 12 INCH OF ENCLOSURES TO WHICH ATTACHED. EXPOSED CONDUIT IN FINISHED ROOMS SHALL BE MOUNTED ADJACENT TO WALL SURFACE. SLOTTED CHANDLER SUPPORTS SHALL BE HOT-DIPPED GALVANIZED. FEEDER CONDUITS SHALL BE INSTALLED WITH LIMITED EXPOSURE. STAND-OFF TYPE SUPPORTS ARE NOT ALLOWED. PROVIDE COOPER "DURA-BLOCK" SUPPORTS FOR CONDUITS INSTALLED OUTDOORS AND ROUTED ABOVE ROOF OR CONCRETE. SEAL SERVICE RACEWAYS ENTERING A BUILDING FROM AN UNDERGROUND SYSTEM PER NEC 230.8 AND 300.5(G). WHERE CONCENTRIC, ECCENTRIC OR OVER-SIZED KNOCKOUTS ARE ENCOUNTERED, A GROUNDING-TYPE INSULATED BUSHING SHALL BE PROVIDED FOR CIRCUITS OVER 250V PER NEC 250.97.

14. PROVIDE 3/4-INCH EMPTY CONDUITS TERMINATING ABOVE THE CEILING FOR ALL HVAC THERMOSTATS. JUNCTION BOXES SHALL MATCH ORIENTATION OF THERMOSTATS PROVIDED BY M.C.. MOUNT JUNCTION BOXES 48-INCHES A.F.F. UNLESS NOTED OTHERWISE. PROVIDE PROTECTIVE BUSHINGS ON ENDS OF CONDUIT.

16. PANELBOARDS FOR SERVICE ENTRANCE SHALL BE SERVICE ENTRANCE RATED. PROVIDE NEMA 3R PANELBOARDS WHERE LOCATED OUTSIDE. PROVIDE COPPER NEUTRAL AND GROUNDING BARS IN ALL PANELBOARDS UNLESS NOTED OTHERWISE (ALUMINUM IS NOT ALLOWED). GROUND ALL SERVICE ENTRANCE PANELS AND RACEWAYS (BONDING BUSHINGS) IN ACCORDANCE WITH THE NEC. PROVIDE BOLT-IN BREAKERS UNLESS NOTED OTHERWISE. PROVIDE A MINIMUM OF THREE SPARE 3/4" CONDUITS TO ABOVE CEILING FOR ALL FLUSH MOUNTED PANELBOARDS. PANELS SHALL BE FULLY RATED FOR SHORT CIRCUIT CURRENT, SERIES RATINGS ARE NOT ALLOWED. IF PANEL FEEDER SUPPLY LOCATION IS NOT EVIDENT, PROVIDE LABEL ON PANEL STATING, "POWER SUPPLY FOR PANEL "xx" ORIGINATES AT "xx". PANEL TRIMS SHALL BE HINGED OR DOOR-IN-DOOR TO ALLOW ACCESS TO WIRING WITHOUT REMOVING TRIM. CIRCUIT BREAKERS ADDED TO EXISTING PANELBOARDS SHALL MATCH THE A.I.C. RATING AND BE UL LISTED FOR USE IN THAT PANEL.

17. PROVIDE MACHINE TYPED PANEL SCHEDULES IN EACH PANEL INDICATING THE SPECIFIC LOAD DESCRIPTION FOR EACH BREAKER PER NEC 408.4. GENERAL DESCRIPTIONS SUCH AS "RECEPTACLE" ARE NOT ALLOWED. INDICATE ROOM NUMBERS FOR EACH LOAD. LABEL PANELS ON PANEL FACE WITH PHENOLIC LABELS INDICATING PANEL NUMBER OR LETTER DESIGNATION, VOLTAGE, CURRENT RATING AND PHASE. PROVIDE ALL PANELBOARDS, SWITCHBOARDS, CONTROL PANELS, ETC. WITH WARNING SIGN FOR POTENTIAL ELECTRIC ARC FLASH HAZARDS PER NEC 110.16. PROVIDE PHENOLIC LABEL FOR SUB-PANELS DENOTING POWER SOURCE PER NEC 408.4(b) READING "FED FROM PANEL "xx".

222. PROVIDE EMERGENCY AND EXIT LIGHTS AS SHOWN ON PLANS. PER NFPA 101 SECTION 7.10.1.9, POWER SHALL BE PROVIDED FROM LIGHTING CIRCUITS ON THE UNSWITCHED LEG OF THE CIRCUIT SUCH THAT POWER TO THE EMERGENCY AND EXIT LIGHTS IS NOT DISCONNECTED WHEN NORMAL LIGHTING IS OFF. EXTERIOR EMERGENCY LIGHTS SHALL BE WIRED SUCH THAT PHOTOCELL AND/OR TIME CLOCK OPERATION DOES NOT DISCONNECT POWER TO BATTERIES. EMERGENCY UNIT EQUIPMENT AND BATTERIES SHALL BE UL924 LISTED FOR 90 MINUTES. BATTERIES SHALL BE TESTED PER NEC 700.12(A).

36. GUARANTEE ALL EQUIPMENT, MATERIALS AND INSTALLATION FREE OF DEFECTS FOR A PERIOD OF 1-YEAR AFTER RECEIVING CERTIFICATE OF OCCUPANCY. PROVIDE THE OWNER WITH AN OPERATING AND MAINTENANCE MANUAL FOR ALL EQUIPMENT.

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