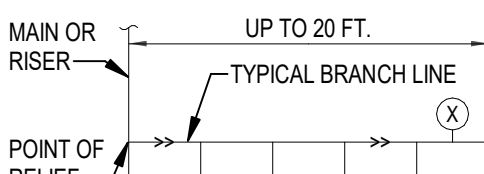


WATER HAMMER ARRESTERS

GROUPED FIXTURES

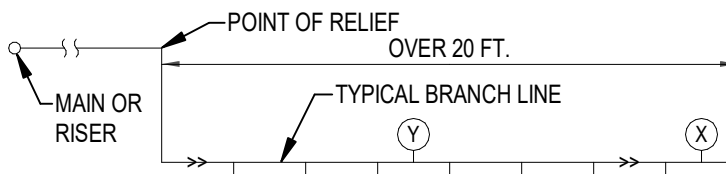
TABLE 1 - FOR GROUPED FIXTURES						
P.D.I. UNITS FIXTURE UNITS	AA	A	B	C	D	E F
	1-3	1-11	12-32	33-60	61-113	114-154 155-330

RULE 1 - MULTIPLE FIXTURES NOT EXCEEDING 20 FT.



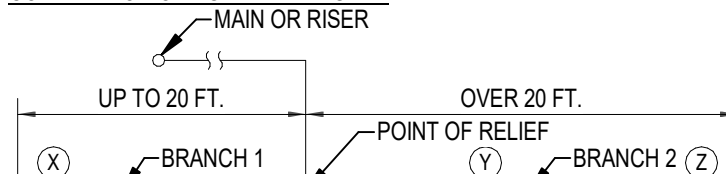
POINT OF RELIEF
LOCATION METHOD:
USING TABLE 1, SIZE UNIT "X" FOR THE TOTAL FIXTURE UNITS OF BRANCH LINE.

RULE 2 - MULTIPLE FIXTURES EXCEEDING 20 FT.



SELECTION METHOD:
SIZE UNIT "X" AND UNIT "Y" SO THE SUM OF THE RATINGS IS EQUAL TO OR GREATER THAN TOTAL FIXTURE UNITS OF BRANCH LINE.

COMBINATION OF RULE 1 AND RULE 2

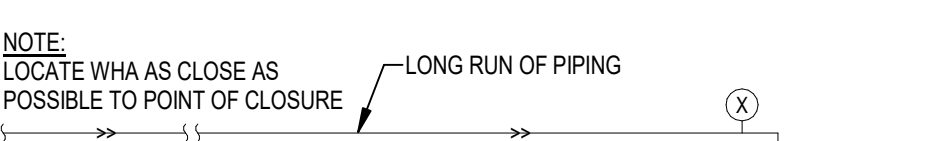


SELECTION METHOD:
USING TABLE 1, SIZE UNIT "X" FOR BRANCH 1 BASE ON RULE 1. SIZE UNITS "Y" AND "Z" BASED ON RULE 2.

LONG RUNS

TABLE 2A - WATER PRESSURES UP TO 65 P.S.I.G.						
P.D.I. WATER HAMMER ARRESTERS	AA	A	B	C	D	E F
LENGTH OF PIPE (FT.)	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"

25	A	A	B	C	D	E	F
50	A	B	C	D	E	F	FF
75	B	C	D	AB	F	FF	FF
100	C	D	E	F	CF	FF	FF
125	C	D	F	AF	EF	FF	FF
150	D	E	F	DF	FF	FF	FF



SELECTION METHOD:
USING EITHER TABLE 2 OR 2A (BASED ON SYSTEM PRESSURE), SIZE UNIT "X" BASED ON SIZE OF PIPE AND LENGTH OF RUN.

GENERAL NOTE:
PROVIDE WATER HAMMER ARRESTERS IN ACCORDANCE WITH STANDARD PDI-WH001

MINIMUM REQUIRED SLOPE

ALL DRAINAGE PIPING	
PIPE SIZES, INCHES	MIN. SLOPE INCHES/FOOT
2"	1/4"
3"	1/8"
4"	1/8"
6"	1/8"
8"	1/16"
10"	1/16"

NOTES:
1. COMBINATION DRAIN AND VENT PIPING SHALL BE RUN AT A MAXIMUM SLOPE OF 1/2" PER FOOT.

COMMISSIONING NOTES

- COMMISSIONING REQUIREMENT:
A. THE BUILDING MECHANICAL SYSTEMS SHALL BE COMMISSIONED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE - ENERGY CONSERVATION, SECTION C408 "SYSTEMS COMMISSIONING".
- COMMISSIONING PROVIDER:
A. A COMMISSIONING PROVIDER HAS ALREADY BEEN RETAINED TO PROVIDE THE COMMISSIONING SERVICES FOR THIS PROJECT.
- COMMISSIONING SCOPE:
A. MECHANICAL SYSTEM TESTING SHALL ENSURE THAT COMPONENTS, EQUIPMENT, SYSTEMS, AND SYSTEM-TO-SYSTEM INTERFACING RELATIONSHIPS ARE CALIBRATED, ADJUSTED, AND OPERATE IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTRUCTIONS. TESTING SHALL INCLUDE ALL MODES AND SEQUENCES OF OPERATION, INCLUDING UNDER FULL-LOAD, PART-LOAD, AND EMERGENCY CONDITIONS.
B. A COMMISSIONING PLAN SHALL BE DEVELOPED BY THE COMMISSIONING PROVIDER AND SHALL INCLUDE THE FOLLOWING ITEMS: (1) A NARRATIVE DESCRIPTION OF THE ACTIVITIES THAT WILL BE ACCOMPLISHED DURING EACH PHASE OF COMMISSIONING, INCLUDING THE PERSONNEL INTENDED TO ACCOMPLISH EACH OF THE ACTIVITIES; (2) A LISTING OF THE SPECIFIC EQUIPMENT, APPLIANCES, OR SYSTEMS TO BE TESTED AND A DESCRIPTION OF THE TESTS TO BE PERFORMED; (3) FUNCTIONS TO BE TESTED, INCLUDING BUT NOT LIMITED TO, CALIBRATIONS AND CONTROLS; (4) CONDITIONS UNDER WHICH THE TEST WILL BE PERFORMED, INCLUDING BUT NOT LIMITED TO, AFFIRMING WATER AND SUMMER DESIGN CONDITIONS AND FULL OUTSIDE AIR CONDITIONS; (5) MEASURABLE CRITERIA FOR PERFORMANCE.
C. PRIOR TO PASSING THE FINAL INSPECTIONS, THE COMMISSIONING PROVIDER SHALL PROVIDE EVIDENCE OF SYSTEMS COMMISSIONING AND COMPLETION. A COMPLETED PRELIMINARY REPORT OF THE COMMISSIONING TEST PROCEDURES AND RESULTS SHALL BE PROVIDED TO THE OWNER, CERTIFIED BY THE COMMISSIONING PROVIDER. THE REPORT SHALL BE IDENTIFIED AS "PRELIMINARY COMMISSIONING REPORT" AND SHALL IDENTIFY: (1) ITEMIZATION OF DEFICIENCIES FOUND DURING TESTING THAT HAVE NOT BEEN CORRECTED AT THE TIME OF THE REPORT PREPARATION; (2) DEFERRED TESTS THAT CANNOT BE PERFORMED DUE TO CLIMATIC CONDITIONS; AND (3) CLIMATIC CONDITIONS REQUIRED FOR PERFORMANCE OF DEFERRED TESTS. THE PRELIMINARY COMMISSIONING REPORT SHALL BE MADE AVAILABLE TO THE CODE OFFICIAL AT THEIR REQUEST. WITHIN 90 DAYS OF CERTIFICATE OF OCCUPANCY, PROVIDE THE FINAL COMMISSIONING REPORT TO OWNER. THE REPORT SHALL BE IDENTIFIED AS "FINAL COMMISSIONING REPORT" AND SHALL INCLUDE: (1) RESULTS OF FUNCTIONAL PERFORMANCE TESTS; (2) DISPOSITION OF DEFICIENCIES FOUND DURING TESTING, INCLUDING DETAILS OF CORRECTIVE MEASURES USED OR PROPOSED; (3) FUNCTIONAL PERFORMANCE TEST PROCEDURES USED DURING THE COMMISSIONING PROCESS, INCLUDING MEASURED CRITERIA FOR TEST ACCEPTANCE, PROVIDED HEREIN FOR REPEATABILITY. EXCEPTIONAL DEFERRED TESTS WHICH CANNOT BE PERFORMED AT THE TIME OF REPORT PREPARATION FOR CLIMATIC CONDITIONS.

APPLICABLE CODES

PERFORM WORK IN ACCORDANCE WITH THE FOLLOWING CODES AND ANY APPLICABLE STATUTES, ORDINANCES, CODES, AND REGULATIONS OF GOVERNMENTAL AUTHORITIES HAVING JURISDICTION.

- ASHRAE
a. STANDARD 15
b. STANDARD 90.1
SAFETY STANDARD FOR REFRIGERATION SYSTEMS - 2019
ENERGY STANDARD FOR BUILDINGS EXCEPT LOW RISE RESIDENTIAL BUILDINGS - 2019
- OCCUPATIONAL SAFETY AND HEALTH REGULATIONS (OSHA)
- NATIONAL FIRE CODES
a. NFPA 1
b. NFPA 54
c. NFPA 70
d. NFPA 101
UNIFORM FIRE CODE - 2021 (FLORIDA EDITION)
NATIONAL FUEL GAS CODE - 2021
NATIONAL ELECTRICAL CODE - 2020
LIFE SAFETY CODE - 2021 (FLORIDA EDITION)
- FLORIDA BUILDING CODE, 2023 EDITION
a. BUILDING CODE
b. ENERGY CONSERVATION CODE
c. PLUMBING CODE
d. FUEL GAS CODE
e. ACCESSIBILITY CODE
- FLORIDA STATUTES
a. CHAPTER 471
b. CHAPTER 553.80
ENGINEERING
BUILDING CONSTRUCTION STANDARDS; FLORIDA BUILDING CODE - ENFORCEMENT
- FLORIDA ADMINISTRATIVE CODE
a. CHAPTER 8B7
b. CHAPTER 61G15-34
c. CHAPTER 69A-3
d. CHAPTER 69A-60
FLORIDA BUILDING COMMISSION HANDICAPPED ACCESSIBILITY STANDARDS
RESPONSIBILITY RULES OF PROFESSIONAL ENGINEERS CONCERNING THE DESIGN OF MECHANICAL SYSTEMS
FIRE PREVENTION - GENERAL PROVISIONS
THE FLORIDA FIRE PREVENTION CODE

RESOLVE, IN WRITING, ANY CODE VIOLATION DISCOVERED IN CONTRACT DOCUMENTS WITH THE ENGINEER PRIOR TO BIDDING. AFTER AWARD OF THE CONTRACT, MAKE ANY CORRECTION OR ADDITION NECESSARY FOR COMPLIANCE WITH APPLICABLE CODES AT NO ADDITIONAL COST TO OWNER.

THE CONTRACTOR SHALL INCLUDE IN THE WORK, WITHOUT EXTRA COST TO THE OWNER, ANY LABOR, MATERIALS, SERVICES, APPARATUS, AND DRAWINGS REQUIRED TO COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, AND REGULATIONS.

WHERE THERE IS CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND THE APPLICABLE CODES, THE CODES SHALL GOVERN, EXCEPT WHERE THE REQUIREMENTS OF THE CONTRACT DOCUMENTS ARE MORE STRINGENT.

PIPING AND FITTINGS

→	CAP
↪	ELBOW TURNED UP
↩	ELBOW TURNED DOWN
↔	TEE, OUTLET UP
↔	TEE, OUTLET DOWN
----	SANITARY, SOIL OR WASTE PIPING
----	SANITARY VENT PIPING
----	COLD WATER SUPPLY PIPING
----	HOT WATER SUPPLY PIPING
----	HOT WATER RECIRCULATION PIPING
----	CONDENSATE PIPING
HB	HOSE BIBB
WH	WALL HYDRANT
WHA	WATER HAMMER ARRESTER - SEE DETAIL THIS SHEET
FD	FLOOR DRAIN - SEE DETAIL GP501
WCO	WALL CLEAN OUT - SEE DETAIL GP501
CO	CLEAN OUT - SEE DETAIL GP501

VALVES

↺	BALL VALVE (WITH QUARTER TURN HANDLE)
↺	BUTTERFLY VALVE (WITH QUARTER TURN HANDLE)
↺	GATE VALVE
↺	GLOBE VALVE
↺	PRESSURE REDUCING VALVE

MISCELLANEOUS

MINUTE	HINGED CEILING ACCESS PANEL - SEE DETAIL FP501
MINUTE	MINIMUM INVERT ELEVATION BELOW REFERENCE ELEVATION
MINUTE	POINT OF CONNECTION, PLUMBING TO CIVIL

COORDINATION NOTES

- CONTRACTOR TO COORDINATE THE LOCATION, ALIGNMENT, ELEVATION AND/OR SPACING OF ANY EXPOSED DEVICE, FIXTURE, AND/OR PIECE OF EQUIPMENT WITH THE ARCHITECTURAL FLOOR PLANS, ELEVATIONS, AND/OR REFLECTED CEILING PLANS. DISCREPANCIES AND/OR CONFLICTS CONTAINED WITHIN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. IF AN EXPOSED ITEM IS NOT INDICATED ON THE ARCHITECTURAL DOCUMENTS NOTIFY THE ARCHITECT FOR CLARIFICATION OF PLACEMENT PRIOR TO INSTALLATION.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR SPECIFIC LOCATIONS OF CEILING MOUNTED DEVICES. DEVICES SHALL BE INSTALLED IN THE CENTER OF CEILING TILES WHERE ACOUSTICAL CEILING SYSTEMS ARE SPECIFIED AND ON THE SAME CENTERLINES WITH OTHER ADJACENT CEILING MOUNTED DEVICES IN THE SAME SPACE. IF A DEVICE'S LOCATION IS NOT CLEARLY INDICATED OR THERE IS A CONFLICT WITHIN THE CONTRACT DOCUMENTS NOTIFY ARCHITECT FOR CLARIFICATION PRIOR TO INSTALLATION.
- LOCATION OF WALL AND FLOOR MOUNT DEVICES IS DIAGRAMMATIC AND SHOWN FOR CLARITY. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION OF DEVICES WHERE NOT INDICATED ON ARCHITECT'S PLAN COORDINATE WITH ARCHITECT PRIOR TO INSTALLATION.
- AT EXTERIOR LOCATIONS AND IN SPACES WITH EXPOSED STRUCTURE, EXPOSED UTILITIES (INCLUDING PIPING, DUCTWORK, RACEWAYS, ETC.) SHALL BE INSTALLED NEATLY, BUNDLED TOGETHER TO EXTENT POSSIBLE AND RUN AT RIGHT ANGLES TO BUILDING LINES. THESE UTILITIES SHALL BE PAINTED TO MATCH ADJACENT SURFACE OR AS DIRECTED BY ARCHITECT. HANGERS, STEEL SHAPES AND SLOTTED STEEL SUPPORTS SHALL BE PAINTED TO MATCH RACEWAY OR AS DIRECTED BY ARCHITECT. TO EXTENT POSSIBLE CONTRACTOR SHALL AVOID EXPOSED RACEWAYS BY INSTALLING UTILITIES BELOW GRADE, IN WALL, OR ABOVE ADJACENT CONCEALED CEILING SPACES.
- PROVIDE ACCESS PANELS IN CEILING WHERE ANY DEVICE OR EQUIPMENT REQUIRING SERVICE (INCLUDING DAMPERS, VALVES, JUNCTION BOXES, CONTROLLERS, SMOKE DETECTORS, ETC.) IS LOCATED ABOVE OR BEHIND AN INACCESSIBLE CEILING OR WALL. ACCESS PANELS IN RATED CONSTRUCTION SHALL BEAR APPROPRIATE UL LABEL, COORDINATE LOCATION AND TYPE OF ACCESS PANEL WITH ARCHITECT PRIOR TO INSTALLATION.
- PROVIDE SELF-ADHESIVE IDENTIFICATION LABELS (CLEAR WITH BLACK LETTERS) ON CEILING WHERE VALVES, MECHANICAL EQUIPMENT, OR ELECTRICAL EQUIPMENT ARE LOCATED ABOVE CEILINGS. AT ACCESSIBLE CEILINGS APPLY LABEL TO CEILING GRID WITHIN REACH OF DEVICE. AT INACCESSIBLE CEILINGS APPLY LABEL TO ACCESS PANEL.
- PROVIDE CONCRETE HOUSEKEEPING PAD FOR ALL FLOOR OR GROUND MOUNTED EQUIPMENT WITH #4 REBAR 6" O.C. EACH WAY AND 1" CHAMFERED TOP EDGE. PADS ON CONCRETE SLAB SHALL BE 4" HIGH AND DOWELED INTO SLAB WITH #4 REBAR EXTENDING 2" INTO PAD, 3" INTO SLAB AND EXPOSED IN PLACE AND SPACED 12" O.C. AROUND PERIMETER OF PAD. PADS ON EARTH SHALL BE MINIMUM 1" THICK AND LAYED OUT TO EXTEND A MINIMUM OF 4" ABOVE GRADE AT HIGHEST GRADE LEVEL, COMPACT EARTH BELOW PAD PRIOR TO PAD CONSTRUCTION.

COORDINATION AND/OR SHOP DRAWING NOTES

- COORDINATION AND SHOP DRAWINGS, INCLUDING ANY BIM MODEL CREATED BY THE CONTRACTOR AND OR A THIRD PARTY FOR COORDINATION PURPOSES ARE NOT CONSTRUCTION DOCUMENTS AND DO NOT SUPERCEDE ANY REQUIREMENTS WITHIN THE CONSTRUCTION DOCUMENTS.
- CHANGES TO EQUIPMENT OR SYSTEM LAYOUTS FROM THAT DEPICTED IN THE CONSTRUCTION DOCUMENTS THAT ARE REQUIRED FOR COORDINATION, SUBSTITUTIONS, OR OTHERWISE SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR APPROVAL.
- CHANGES SHALL BE CLOUDED AND NOTED ON THE COORDINATION OR SHOP DRAWING IN RED OR OTHER COLOR THAT CLEARLY DIFFERENTIATES THE NOTE FROM THE REMAINDER OF THE SUBMITTED DOCUMENT.
- ONLY NOTED CHANGES SPECIFICALLY CALLED OUT WILL BE REVIEWED BY THE ENGINEER DURING THE SUBMITTAL PROCESS. THE ENGINEER WILL NOT REVIEW EVERY DETAIL OF THE ENTIRE DOCUMENT PACKAGE TO LOCATE CHANGES MADE BY THE CONTRACTOR. CHANGES NOT SPECIFICALLY NOTED ARE AUTOMATICALLY "NOT APPROVED" REGARDLESS OF APPROVAL STATUS ON THE RETURNED SUBMITTAL.
- CHANGES TO THE CONTRACT DOCUMENTS MADE BY THE CONTRACTOR THAT ARE NOT NOTED AND BROUGHT TO THE ATTENTION OF THE ENGINEER AND THUS "NOT APPROVED" WHICH RESULT IN A COST OR SCHEDULE CHANGE TO THE PROJECT SHALL BE BURDENSOME TO THE CONTRACTOR WHO MADE THE CHANGE WITHOUT ANY REMUNERATION FROM THE OWNER.
- A COORDINATION DRAWING PACKAGE OR BIM MODEL USED IN THE FIELD BY THE INSTALLING CONTRACTOR IS NOT A CONSTRUCTION DOCUMENT AND DOES NOT INCLUDE ALL NOTES AND DETAILS NECESSARY FOR A COMPLETE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING INSTALLERS WITH A COMPLETE SET OF APPROVED COORDINATION DRAWINGS INCLUSIVE OF ALL NOTES, DETAILS, ETC. INCLUDED IN THE CONSTRUCTION DOCUMENTS.

GENERAL NOTES

- INSTALL ALL WORK IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2023, THE FLORIDA FIRE PREVENTION CODE, THE NATIONAL ELECTRICAL CODE 2020 EDITION, AND ALL CODES, ORDINANCES, RULES, AND REGULATIONS OF AUTHORITIES HAVING JURISDICTION AT THIS SITE, WHERE CONFLICTS OCCUR BETWEEN CODES AND THE CONSTRUCTION DOCUMENTS, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.
- DRAWINGS ARE DIAGRAMMATIC, INDICATIVE OF WORK TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL DIMENSIONS.
- FIELD VERIFY ALL DIMENSIONS AND ALL CONDITIONS. IF THE CONTRACTOR IS UNABLE TO INTERPRET THE CONTRACT DOCUMENTS, CONTRACTOR IS RESPONSIBLE TO REQUEST CLARIFICATION IN WRITING TO THE ARCHITECT. IF CONTRACTOR PROCEEDS WITH ANY WORK BEFORE OBTAINING CLARIFICATION, CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL DEFICIENCIES ASSOCIATED THEREWITH.
- BEFORE SUBMITTING FOR THE WORK, EACH BIDDER WILL BE RESPONSIBLE TO EXAMINE THE PREMISES AND SATISFY HIMSELF AS TO THE EXISTING CONDITIONS UNDER WHICH CONTRACTOR WILL BE OBLIGED TO OPERATE AND COMPLETE THE WORK UNDER THIS CONTRACT. NO ALLOWANCE WILL SUBSEQUENTLY BE MADE IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR OMISSION ON CONTRACTOR'S PART.
- THE CONTRACTOR SHALL PAY FOR ALL INSPECTION PERMITS, CERTIFICATES, CONNECTION FEES, SYSTEM DEMAND CHARGES AND LICENSE FEES IN CONNECTION WITH CONTRACTOR'S WORK.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK OF ALL SUBCONTRACTORS TO AVOID INTERFERENCES.
- ALL WORK SHALL COMPLY WITH APPLICABLE O.S.H.A. AND E.P.A. REGULATIONS AND GUIDELINES.
- ERECT AND MAINTAIN ALL REASONABLE PRECAUTIONS FOR SAFETY AND HEALTH INCLUDING POSTING DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDS INCLUDING PROMULGATING SAFETY REGULATIONS. PROVIDE SAFETY PRECAUTIONS AND BARRICADES FOR PEDESTRIANS AT CONSTRUCTION VEHICLE ACCESS AND EGRESS LOCATIONS.
- COORDINATE AND SEQUENCE ALL DEMOLITION, CLEANING AND CONSTRUCTION WORK. SUBMIT A COMPLETELY DETAILED CONSTRUCTION SCHEDULE PRIOR TO PRE-CONSTRUCTION CONFERENCE.
- THE CONTRACTOR SHALL STRICTLY BE HELD TO THE PROJECT SCHEDULE. CONTRACTOR SHALL PROVIDE SUFFICIENT MANPOWER AND EQUIPMENT TO FULLY MOBILIZE, PROCEED WITH AND COMPLETE THE WORK.
- THE CONTRACTOR SHALL BE RESTRICTED TO AREAS SPECIFIED BY THE OWNER FOR ON-SITE STORAGE OF CONSTRUCTION MATERIALS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND SECURITY OF ALL EQUIPMENT AND MATERIALS.
- THE CONTRACTOR SHALL MAINTAIN A CLEAN WORK ENVIRONMENT AT ALL TIMES AND SHALL CLEAN CONSTRUCTION SITE OF ALL DEBRIS AT COMPLETION OF THE JOB AND BEFORE FINAL PAYMENT IS MADE.
- THE CONTRACTOR SHALL FURNISH "AS-BUILT" DRAWINGS TO THE OWNER AT COMPLETION OF CONSTRUCTION.
- CONTRACTOR SHALL GUARANTEE THE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THIS GUARANTEE SHALL BE IN ADDITION TO THE WARRANTIES PROVIDED BY MATERIAL SUPPLIERS AND MANUFACTURERS.
- CONTRACTOR'S USE OF AN APPROVAL STAMP ON DOCUMENTS SUBMITTED AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS CERTIFIES THAT THE CONTRACTOR HAS COMPLIED WITH THE CONTRACT DOCUMENT REQUIREMENTS RELATED TO "SHOP DRAWINGS, PRODUCT DATA AND SAMPLES".
- THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE ARCHITECT/ENGINEER'S APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE ARCHITECT/ENGINEER IN WRITING OF SUCH DEVIATION AT THE TIME OF SUBMITTAL AND THE ARCHITECT/ENGINEER HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS BY THE ARCHITECT/ENGINEER'S APPROVAL THEREOF.
- PRIOR TO INSTALLATION, COORDINATE AND ADJUST THE FINAL LOCATION OF ALL WALL MOUNTED DEVICES AND EQUIPMENT WITH ALL CASEWORK, SHELVING, MARKER BOARDS, BULLETIN BOARDS OR OTHER WALL MOUNTED FURNISHINGS.
- NOTE ANY SPECIAL REQUIREMENTS INVOLVED IN INSTALLING THE EQUIPMENT IN THE BUILDING. DISMANTLING AND REASSEMBLING OF ANY EQUIPMENT SHALL BE DONE AS REQUIRED FOR ENTRY INTO THE BUILDING AND EQUIPMENT ROOMS.
- PROTECT THE ROOF FROM DAMAGE WHENEVER ANY WORK ON THE ROOF IS REQUIRED.
- SUPPORTS AND HANGERS SHALL PRESENT A NEAT, ORDERLY APPEARANCE.
- ALL EXTERIOR STRUCTURES INCLUDED, BUT NOT LIMITED TO, THE GENERATOR AND GENERATOR FENCEWALL SHALL BE INSTALLED TO RESIST 150 MPH WIND LOAD.
- BEAM AND FLOOR PENETRATIONS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. BEAM SLEEVES AND BEAM REINFORCING APPROVED BY STRUCTURAL ENGINEER SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR.
- CONTRACTOR SHALL COMPLY WITH "TRENCH SAFETY ACT" (FLORIDA STATUTE 553 PART II) AND OSHA STANDARD 29 CFR 1926.650 SUBPART P FOR ALL UTILITY TRENCHES IN EXCESS OF 5 FEET DEEP. CONTRACTOR SHALL INDICATE WITHIN HIS BID RESPONSE A REFERENCE TO THE TRENCH SAFETY STANDARD AND A SEPARATE LINE ITEM COST OF COMPLIANCE WITH STANDARD.

PLUMBING NOTES

- INSTALL ALL WORK IN ACCORDANCE WITH THE FLORIDA PLUMBING CODE AND LOCAL PLUMBING CODES, WHERE CONFLICTS OCCUR BETWEEN CODES AND BETWEEN THE CONSTRUCTION DOCUMENTS AND CODES, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.
- ALL MISCELLANEOUS EQUIPMENT TO BE FURNISHED UNDER OTHER SECTIONS OF THE SPECIFICATIONS THAT REQUIRE PIPING OR DUCT CONNECTIONS SHALL BE RECEIVED AND SET WITH ROUGH-IN AND FINAL CONNECTIONS MADE UNDER THESE SECTIONS.
- PRESSURE TEST ALL WATER PIPING SYSTEMS AT 150% OF NORMAL WORKING PRESSURE.
- ALL COPPER PRESSURE PIPE SHALL BE SOLDERED ENTIRELY WITH LEAD-FREE SOLDER.
- INSTALLATION OF EQUIPMENT AND PIPING SHALL PROVIDE CONVENIENT ACCESS FOR MAINTENANCE.
- ALL FLOOR DRAINS AND FLOOR SINKS SHALL HAVE MINIMUM 3" DRAIN LINES, DEEP SEAL TRAPS AND AUTOMATIC TRAP PRIMERS (MANUFACTURER, PRECISION PLUMBING PRODUCTS).
- WATER HAMMER ARRESTERS SHALL BE INSTALLED IN ACCORDANCE WITH PDI-WH001.
- ALL HOSE BIBBS, SILL COCKS AND/OR FAUCETS WITH HOSE CONNECTIONS SHALL HAVE A VACUUM BREAKER.
- GRAVITY FLOW SYSTEMS HAVE SPACE PRIORITY FOR SLOPING PIPES, HOWEVER SLOPE MUST BE STARTED AT HIGHEST POINT POSSIBLE.
- ALL WATER PIPING SUBJECT TO FREEZING SHALL BE FREEZE PROTECTED. THIS INCLUDES ALL PIPING IN UNHEATED SPACES SUCH AS EQUIPMENT ROOMS, CHASES, ATTICS, SOFFITS, CRAWL SPACES, EXTERIOR WALLS, CEILINGS, ETC.
- INSULATE EXTERIOR ABOVE GRADE WATER PIPING WITH CELLULAR GLASS. SEE SPECS.
- DO NOT LOCATE FLOOR DRAIN/SINKS UNDER EQUIPMENT. COORDINATE EXACT LOCATION OF DRAIN/SINKS WITH EQUIPMENT FURNISHED.
- ALL PLUMBING VENTS SHALL BE 2" MINIMUM, UNLESS NOTED OTHERWISE.
- PROVIDE ACCESS PANEL AT EACH LOCATION WHERE A VALVE OR OTHER DEVICE REQUIRING SERVICE IS LOCATED ABOVE AN INACCESSIBLE CEILING OR INSIDE A WALL. ACCESS PANEL SHALL BE FIRE RATED IF INSTALLED IN A FIRE RATED CEILING OR WALL.
- A CLEANOUT SHALL BE PROVIDED AT THE BASE OF EACH WASTE, SOIL STACK OR RAIN LEADER, WHETHER SHOWN ON THE DRAWINGS OR NOT.
- ANY PIPE THAT PASSES UNDER A FOOTING OR THROUGH A FOUNDATION WALL SHALL BE PROVIDED WITH A RELIEF ARCH OR A PIPE SLEEVE. SLEEVE SHALL BE BUILT INTO THE FOUNDATION WALL. THE SLEEVE SHALL BE TWO PIPE SIZES GREATER THAN THE PIPE PASSING THROUGH THE WALL.

ABBREVIATIONS

AC	ABOVE CEILING	IE	INVERT ELEVATION
AF	ABOVE FLOOR	IMB	ICE MAKER HOOK-UP BOX
AFF	ABOVE FINISHED FLOOR	LV	LAVATORY
ANAP	AS HIGH AS POSSIBLE	MSB	MOP SERVICE BASIN
BF	BELOW GRADE	N/A	NOT APPLICABLE
BG	BELOW GRADE	PSAN	SANITARY
CWS	COLD WATER SUPPLY	PVEN	VENT
CVW	COMBINATION WASTE & VENT	SFU	SUPPLY FIXTURE UNITS
DFU	DRAINAGE FIXTURE UNITS	SH	SHOWER
DN	DOWN	SK	SINK
EW	ELECTRIC WATER COOLER	TYP	TYPICAL
FD	FLOOR DRAIN	UR	URINAL
FS	FLOOR SINK	VTR	VENT THROUGH ROOF
HB	HOSE BIBB	WC	WATER CLOSET
HBS	HOB DRINK	WCO	WALL CLEANOUT
HP	HORSEPOWER	WH	WALL HYDRANT
HWS	HOT WATER SUPPLY	WHA	WATER HAMMER ARRESTER
HWR	HOT WATER RECIRCULATION		

DRAWING INDEX

	General Notes & Legends
P101	Floor Plan
P201	Enlarged Plans
P301	Riser Diagrams
P401	Schedules
P501	Details



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SEAL:

PROJECT TITLE:

UU&PI - LBR Relocation Administration
& Workshop Building For
City of Tallahassee
1800 GANNON AVE, Tallahassee, FL 32310

JOB NO.: 21.130

DESIGNED: FPH

DRAWN: FPH

CHECKED: MPP

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REVISIONS

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General Notes & Legends

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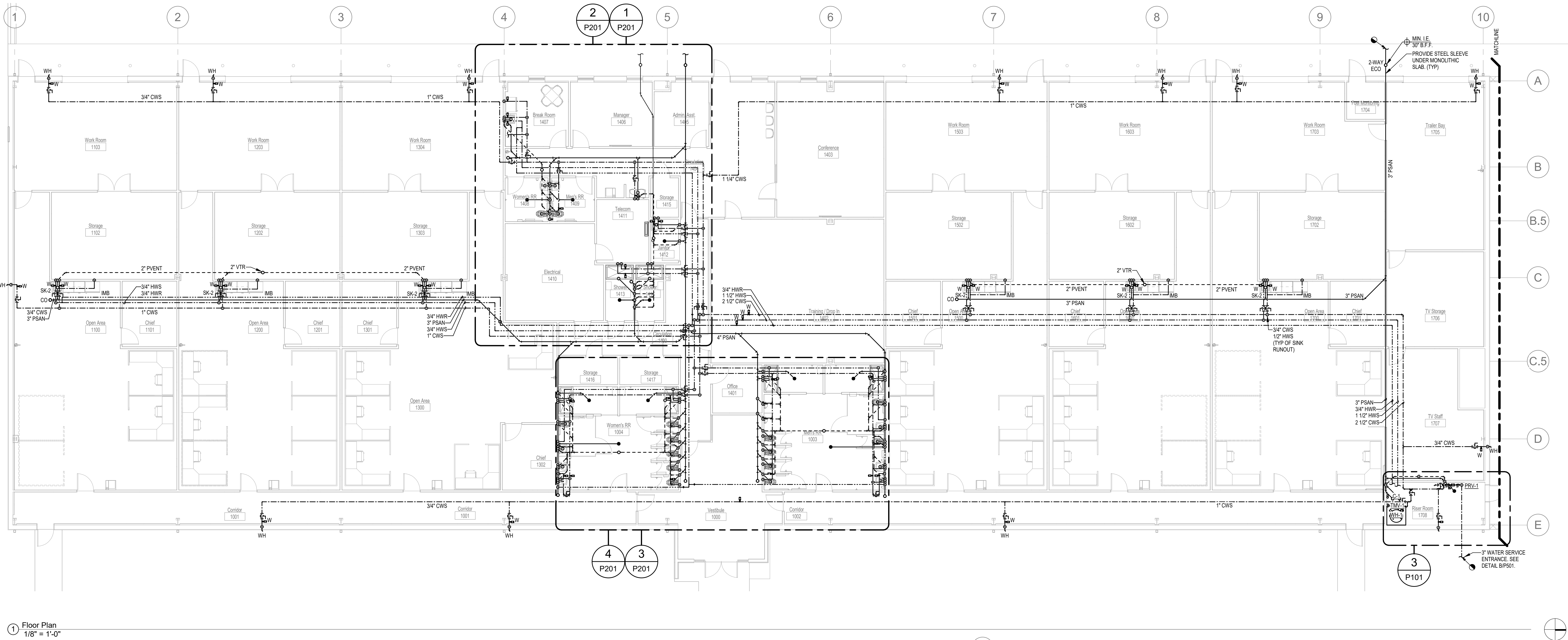
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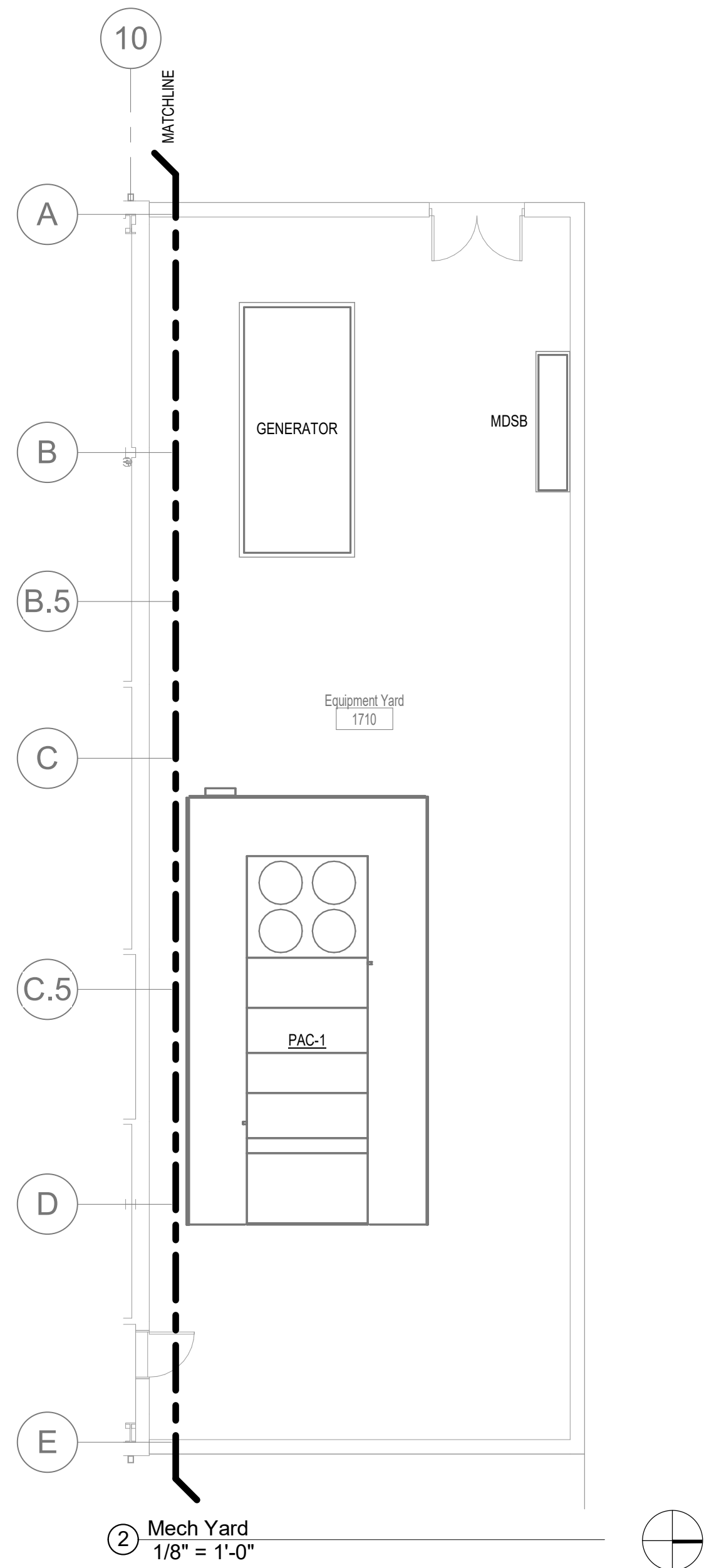
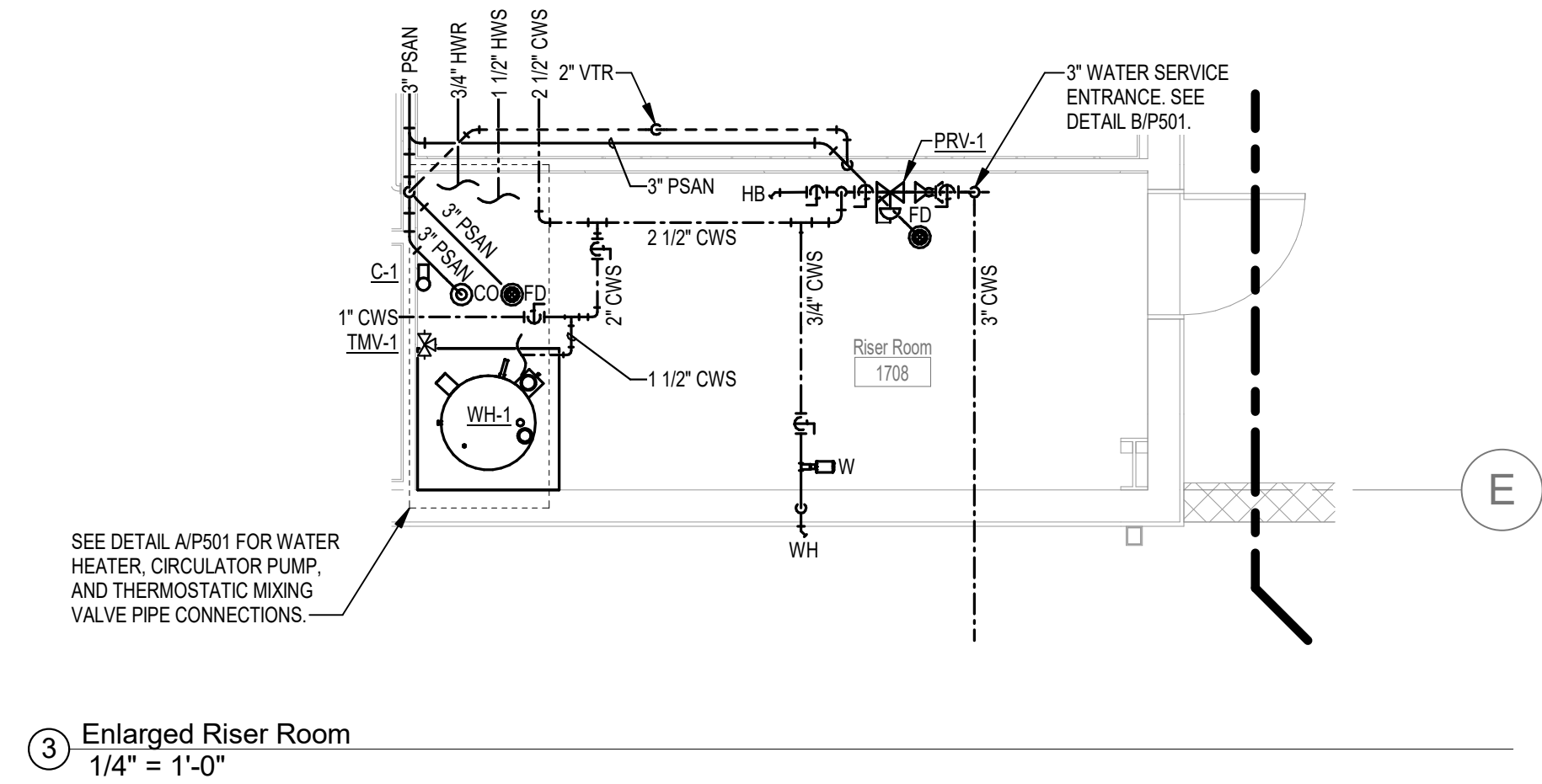
October 03, 2025

Autodesk Docs: 124-184-COT LUP1, Sani Pln24-184 MapCentral_Bldg 1 Admin Option_R25.rvt

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1 Floor Plan
1/8" = 1'-0"



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DRAWN: FPH

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REVISIONS

1 11/21/25

2 12/16/25

3 12/16/25

4 12/16/25

5 12/16/25

6 12/16/25

7 12/16/25

8 12/16/25

9 12/16/25

10 12/16/25

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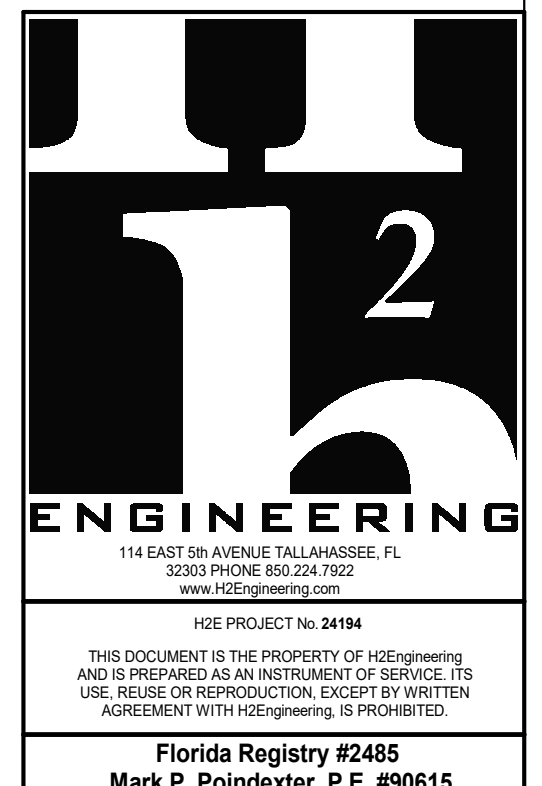
Floor Plan

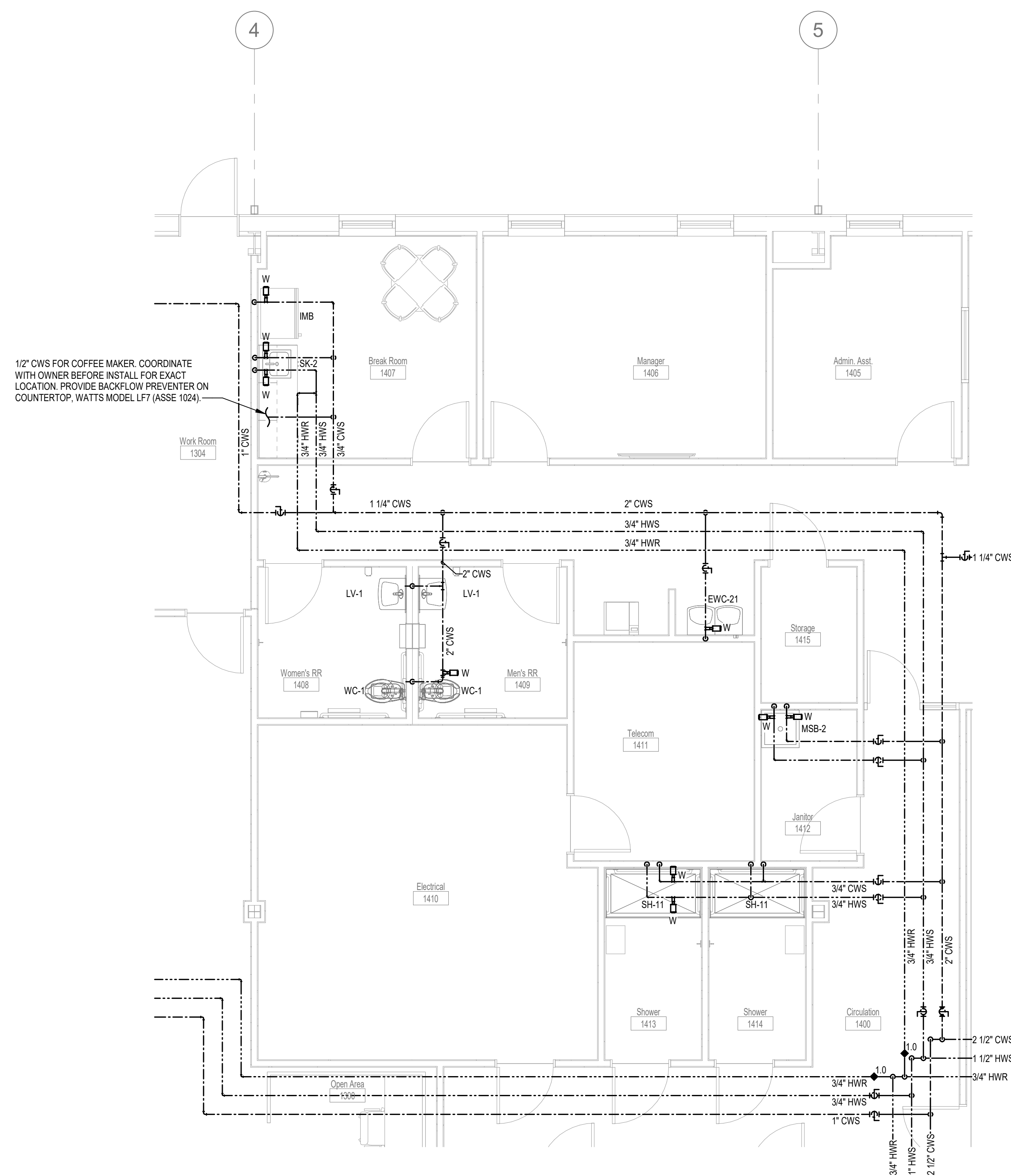
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P101

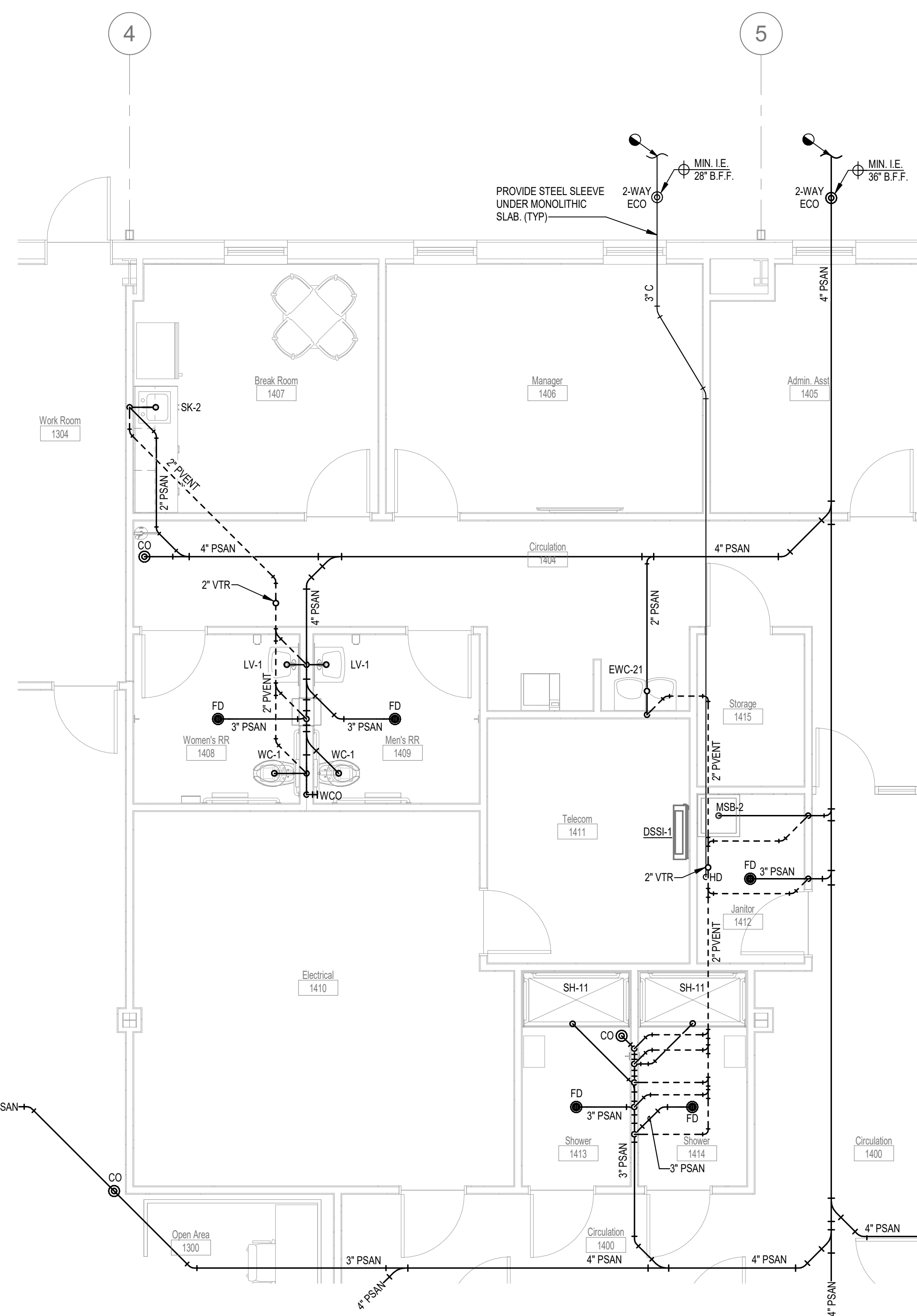
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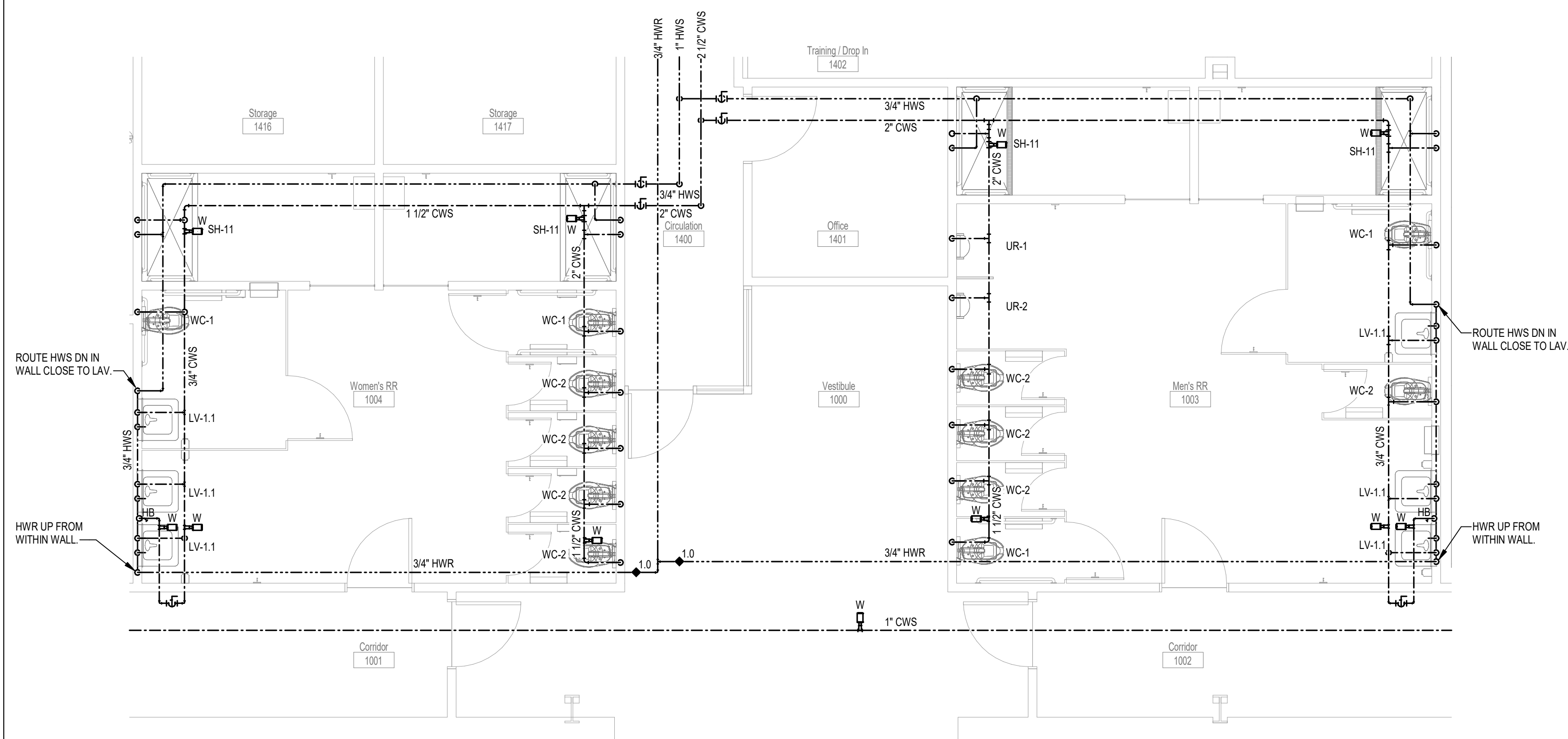




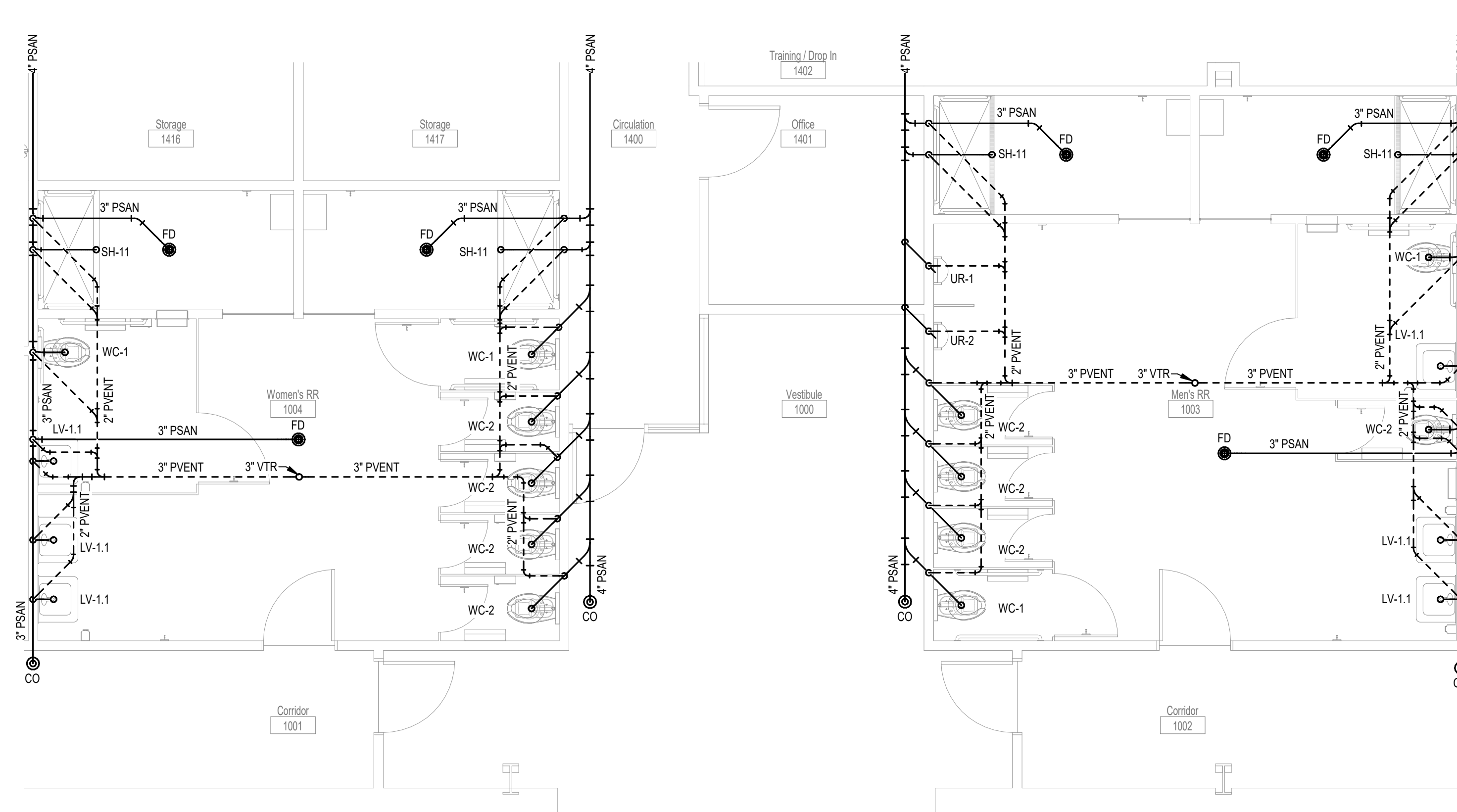
② Enlarged Plan - Supply
 $\frac{1}{4}" = 1'-0"$



① Enlarged Plan - Waste & Vent
1/4" = 1'-0"



④ Enlarged Plan - Supply
1/4" = 1'-0"



③ Enlarged Plan - Waste & Vent
1/4" = 1'-0"



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SEAL

PROJECT TITLE:

**UU&PI - LBR Relocation Administration
& Workshop Building For
City of Tallahassee**

JOB NO.: 21.130

DESIGNED: FPH

DRAWN: FPH

CHECKED: MPP

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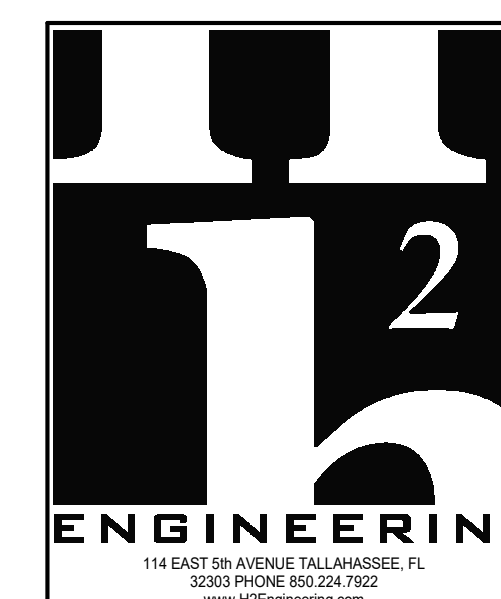
Enlarged Plans

SHEET NO.:

P201

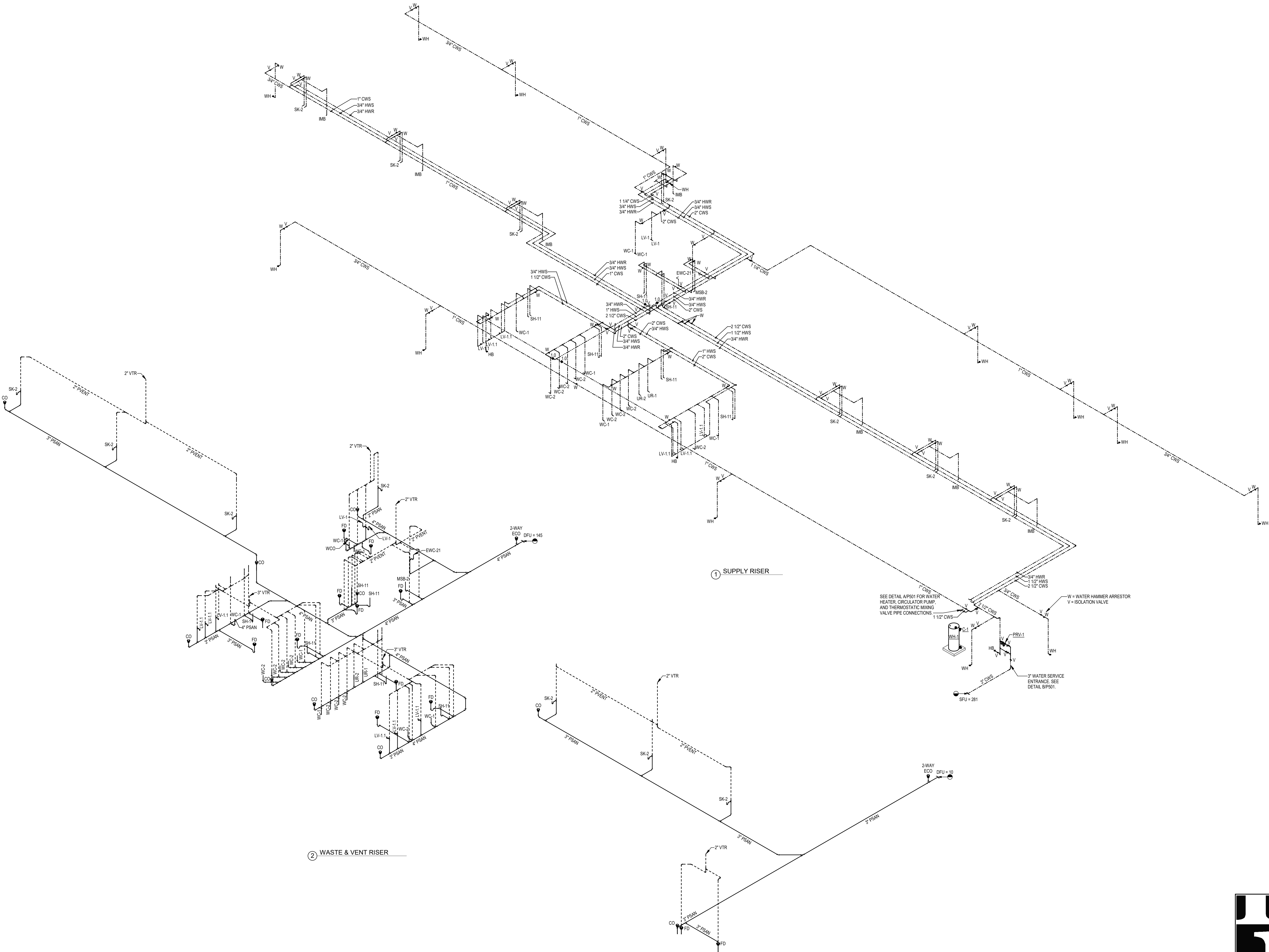
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PROJECT TITLE:

**UU&PI - LBR Relocation Administration
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1800 RANKIN AVE, Tallahassee, FL 32310

JOB NO.: 21.130

DESIGNED: FPH

DRAWN: FPH

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1	12/16/25	Adendum 02
2		

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Riser Diagrams

SHEET NO.:

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PLUMBING FIXTURE ACCESSORY SCHEDULE		
ACCESSORY TAG	ACCESSORY DESCRIPTION	MANUFACTURER AND MODEL NUMBER
DR-LV-C	1-1/4" CHROME PLATED BRASS OFFSET DRAIN WITH TAIL PIECE. PROVIDE A PERFORATED FLAT CHROME BRASS STRAINER.	ELKAY: LKAD174 OR APPROVED EQUAL
DR-SK-STD	TYPE 304 STAINLESS STEEL DRAIN, REMOVEABLE CONICAL STRAINER BASKET, 1-1/2" STAINLESS STEEL TAILPIECE.	ELKAY: LK35 OR APPROVED EQUAL
FCT-LV-0.5-AUTO-B	SINGLE INLET, DECK MOUNTED FAUCET, A.D.A. COMPLIANT, 4" CENTERSET, POLISHED CHROME PLATED BRASS, LEAD FREE, BATTERY POWERED, SENSOR OPERATED, 0.5 GPM AERATOR WITH PRESSURE COMPENSATING FLOW CONTROL.	AMERICAN STANDARD: 6058.205 OR APPROVED EQUAL
FCT-LV-0.5-MAN-C	SINGLE CONTROL, DECK MOUNTED FAUCET, A.D.A. COMPLIANT, 4" CENTERSET, POLISHED CHROME PLATED BRASS, 0.5 GPM AERATOR SPRAY HEAD, 4" COVER PLATE.	T&S BRASS: B-2711 OR APPROVED EQUAL
FCT-MSB	SERVICE SINK FAUCET, POLISHED CHROME PLATED BRASS, BUILT-IN STOPS, VACUUM BREAKER, LEVER HANDLES, WALL BRACE, 3/4" HOSE OUTLET.	T&S BRASS: B-0665-BSTP OR APPROVED EQUAL
FCT-SK-1.5-GEN-SPRAY	SINGLE LEVER DECK MOUNTED FAUCET, POLISHED CHROME PLATED BRASS, 8" SWING SPOUT, 1.5 GPM AT 80 PSI AERATOR, HOSE AND SPRAY, SOFT-CLOSING VALVE WITH INTEGRAL FLOW CONTROL AND ADJUSTABLE STOP TO RESTRICT EXTREME TEMPERATURES. PROVIDE COVER PLATE.	T&S BRASS: B-2730 OR APPROVED EQUAL
FV-0.125-AUTO-B	EXPOSED AUTOMATIC URINAL FLUSH VALVE, A.D.A. COMPLIANT, POLISHED CHROME PLATED, 0.125 GPF, BATTERY POWERED, SENSOR OPERATED, 3/4" SCREWDRIVER ANGLE STOP, VACUUM BREAKER, CAST WALL FLANGE.	AMERICAN STANDARD: 6063.013.002 OR APPROVED EQUAL
FV-1.28-AUTO-B	EXPOSED AUTOMATIC WATER CLOSET FLUSH VALVE, A.D.A. COMPLIANT, POLISHED CHROME PLATED, 1.28 GPF, BATTERY POWERED, SENSOR OPERATED, 1" SCREWDRIVER ANGLE STOP, VACUUM BREAKER, CAST WALL FLANGE.	AMERICAN STANDARD: 6065.121.002 OR APPROVED EQUAL
HGR-MSB	STAINLESS STEEL HANGER, WITH THREE RUBBER TOOL GRIPS.	FIAT: 8890C OR APPROVED EQUAL
HOSE-MSB	HEAVY DUTY, FLEXIBLE HOSE, 5/8" RUBBER, CLOTH REINFORCED, 3/4" BRASS COUPLING, TYPE 302 STAINLESS STEEL BRACKET WITH RUBBER GRIP.	FIAT: 832AA OR APPROVED EQUAL
RMGD-MSB	ALUMINUM RIM GUARD.	FIAT: 12398B OR APPROVED EQUAL
SEAT-OPN-FRT	EXTRA HEAVY DUTY, OPEN FRONT, ELONGATED SEAT, WITHOUT COVER, SOLID PLASTIC, SELF-SUSTAINING CHECK TYPE HINGE. HINGES SHALL MATCH SEAT COLOR. STAINLESS STEEL POSTS FITTED WITH STAINLESS STEEL WASHERS AND NUTS.	BEMIS: 165SSCOT OR APPROVED EQUAL
SH-TMV-FCT-HND	SHOWER: SINGLE HANDLE PRESSURE BALANCED THERMOSTATIC MIXING VALVE WITH CERAMIC CARTRIDGE, INTEGRAL VOLUME CONTROL, ADJUSTABLE TEMPERATURE LIMIT STOP, TWO SERVICE STOPS/CHECK STOPS, TWO-WAY BRASS DIVERTER VALVE, SHOWER HEAD WITH INTEGRAL 1.5 GPM @ 80 PSI FLOW CONTROL, ADJUSTABLE PATTERN, ARM AND WALL FLANGE. HAND HELD SHOWER WITH 80" FLEXIBLE METAL HOSE. 24" MOUNTING SLIDE BAR WALL CONNECTION. ALL EXPOSED METALLIC TRIM IS POLISHED CHROME PLATED NICKEL.	JUST: JBSV-4623 OR APPROVED EQUAL
TMV-LV-95	EXPOSED ROUGH BRONZE, THERMOSTATIC MIXING VALVE, ADJUSTABLE LIMIT STOP, ASSE 1070, LISTED FOR POINT OF USE APPLICATION. SET OUTLET TEMPERATURE TO 95°F.	LAWLER: 570 OR APPROVED EQUAL
TR-LV	CAST BRASS ADJUSTABLE P-TRAP, TUBING OUTLET, 1-1/4" x 1-1/2", CLEANOUT PLUG, POLISHED CHROME PLATED FINISH.	ELKAY: LK500 OR APPROVED EQUAL
TR-SK-STD	CAST BRASS ADJUSTABLE P-TRAP, TUBING OUTLET, 1-1/2" x 1-1/2", CLEANOUT PLUG, POLISHED CHROME PLATED FINISH.	KOHLER: K-9000-CP OR APPROVED EQUAL

THERMOSTATIC MIXING VALVES			
DESIGNATION			TMV-1
	APPLICATION		HIGH / LOW
	SET-POINT	°F	120
	MINIMUM FLOW	GPM	0.5
	MAXIMUM FLOW	GPM	39
	PRESSURE DROP @ MAX FLOW	PSI	10
	RECIRCULATED SYSTEM		YES
ASSE COMPLIANCE			1017
MANUFACTURER			LAWLER
MODEL NUMBER			802
DETAIL REFERENCE			AP501
NOTES:			
1	PROVIDE ROUGH BRASS FINISH		

HIGH CAPACITY GAS FIRED STORAGE WATER HEATERS			
DESIGNATION			WH-1
	FUEL TYPE		NATURAL GAS
	STORAGE	GAL	100
	INPUT CAPACITY	MBTUH	199.9
	FIRING TYPE		MODULATING
	ENTERING WATER TEMPERATURE	°F	60
	LEAVING WATER TEMPERATURE	°F	140
	TEMPERATURE RISE	°F	80
	RECOVERY RATE	GPH	295
ELECTRICAL CHARACTERISTICS			V / PH 120 / 1
MINIMUM CIRCUIT AMPACITY			AMPS 7
MAXIMUM OVERCURRENT PROTECTION			AMPS 15
MANUFACTURER			PVI
MODEL NUMBER			20 L 100A-GCL
DETAIL REFERENCE			AP501
NOTES:			
1	PROVIDE LOW WATER CUT-OFF.		

PLUMBING FIXTURE SCHEDULE											
FIXTURE DESIGNATION	FIXTURE DESCRIPTION	A.D.A. COMPLIANT	MOUNTING METHOD	HEIGHT (A.F.F.)	ROUGH-IN PIPE SIZES				MANUFACTURER AND MODEL NUMBER	ACCESSORIES (SEE SCHEDULE)	
					COLD WATER SUPPLY	HOT WATER SUPPLY	FIXTURE TRAP	FIXTURE DRAIN			
WC-1	FLUSH VALVE WATER CLOSET, HIGH EFFICIENCY (1.28 - 1.6 GPF), VITREOUS CHINA, SIPHON JET FLUSHING ACTION, ELONGATED RIM, 1-1/2" TOP SPUD, MIN. 2" BALLPASS TRAPWAY. COLOR: WHITE.	YES	FLOOR	RIM: 16-1/2"	1"	N/A	4"	4"	AMERICAN STANDARD: 3043.001 OR APPROVED EQUAL	SEAT-OPN-FRT FV-1.28-AUTO-B	
WC-2	FLUSH VALVE WATER CLOSET, HIGH EFFICIENCY (1.28 - 1.6 GPF), VITREOUS CHINA, SIPHON JET FLUSHING ACTION, ELONGATED RIM, 1-1/2" TOP SPUD, MIN. 2" BALLPASS TRAPWAY. COLOR: WHITE.	NO	FLOOR	RIM: 15"	1"	N/A	4"	4"	AMERICAN STANDARD: 2234.001 OR APPROVED EQUAL	SEAT-OPN-FRT FV-1.28-AUTO-B	
UR-1	FLUSH VALVE URINAL, ULTRA HIGH EFFICIENCY (0.125 - 1.0 GPF), VITREOUS CHINA, WASHOUT FLUSHING ACTION, 3/4" TOP SPUD. COLOR: WHITE.	YES	WALL	RIM: 17"	3/4"	N/A	2"	2"	AMERICAN STANDARD: 6590.001 OR APPROVED EQUAL	FV-0.125-AUTO-B	
UR-2	FLUSH VALVE URINAL, ULTRA HIGH EFFICIENCY (0.125 - 1.0 GPF), VITREOUS CHINA, WASHOUT FLUSHING ACTION, 3/4" TOP SPUD. COLOR: WHITE.	NO	WALL	RIM: 24"	3/4"	N/A	2"	2"	AMERICAN STANDARD: 6590.001 OR APPROVED EQUAL	FV-0.125-AUTO-B	
LV-1	LAVATORY, 20"x18", VITREOUS CHINA, 3 FAUCET HOLES (ONE CENTERED, TWO 4" OFF CENTER), ANTI-SPLASH RIM AND HIGH BACK. COLOR: WHITE.	YES	WALL	RIM: 34"	1/2"	N/A	1-1/4"	2"	AMERICAN STANDARD: 0355.012 OR APPROVED EQUAL	FCT-LV-0.5-AUTO-B DR-LV-C TR-LV	
LV-1.1	LAVATORY, 20"x18", VITREOUS CHINA, 3 FAUCET HOLES (ONE CENTERED, TWO 4" OFF CENTER), ANTI-SPLASH RIM AND HIGH BACK. COLOR: WHITE.	YES	WALL	RIM: 34"	1/2"	1/2"	1-1/4"	2"	AMERICAN STANDARD: 0355.012 OR APPROVED EQUAL	FCT-LV-0.5-MAN-C DR-LV-C TR-LV TMV-LV-95	
SK-2	SINGLE COMPARTMENT SINK, SELF-RIMMING, 19-1/2"x19", 16"x13-1/2"x10" DEEP BOWL, 18 GAUGE TYPE 304 STAINLESS STEEL, 4 FAUCET HOLES (ONE CENTERED, TWO 4" FROM CENTER, ONE 8" FROM CENTER), SOUND DEADENING COATING ON BOTTOM OF SINK.	NO	COUNTER TOP	SEE ARCH. PLANS	1/2"	1/2"	1-1/2"	2"	ELKAY: DLR191910-4 OR APPROVED EQUAL	FCT-SK-1.5-GEN-SPRAY DR-SK-STD TR-SK-STD	
MSB-2	MOP SERVICE SINK BASIN, 24"L x 24"W x 12"H, WITH 2" WIDE SHOULDERS, 1/4" PITCH TOWARD INSIDE, PRECAST TERRAZZO (MINIMUM 3,000 PSI @ 7 DAYS), SURFACE GROUND AND POLISHED WITH ALL HOLES AND PITS GROUTED AND WITH EXCESS REMOVED. COLOR: BLACK & WHITE MARBLE CHIPS IN GRAY PORTLAND CEMENT.	NO	FLOOR	---	1/2"	1/2"	3"	3"	FIAT: TSB-200 OR APPROVED EQUAL	FCT-MSB RMGD-MSB HOSE-MSB HGR-MSB	
SH-11	60"x30" ACRYLIC SHOWER MODULE WITH SUBWAY TILE PATTERN, EQUIPED WITH GRAB BAR ON BACK WALL, GRAB BAR ON SIDE WALL, MOUNTED WITH STAINLESS STEEL BOLTS, 18 GAUGE WHITE CURTAIN ROD, INTEGRAL FRONT TRENCH DRAIN, FACTORY INSTALLED BASE AND 3/4" THRESHOLD. PROVIDE TYPE 304 STAINLESS STEEL 2" DRAIN.	YES	FLOOR	VALVE: 38" TO 48" (OPTIONAL)	1/2"	1/2"	2"	2"	COMFORT DESIGNS: XST6232TR OR APPROVED EQUAL	SH-TMV-FCT-HND	
EW-C-21	ELECTRIC WATER COOLER WITH BOTTLE FILLING STATION, FILTERED, BARRIER-FREE, TYPE 304 STAINLESS STEEL BASIN, BRUSHED FINISH, VANDAL-RESISTANT BUBBLER, STAINLESS STEEL CABINET AND CANE APRON, LEAD-FREE WATERWAYS, SELF CONTAINED SYSTEM (R-134A REFRIGERANT) DELIVERS MIN. 8 GPH OF 50°F WATER @ 80°F. INLET WATER AND 90°F AMBIENT AIR, 120V/1PH. BOTTLE FILLING STATION: ELECTRONIC SENSOR ACTIVATED WITH AUTOMATIC 20-SECOND SHUT-OFF TIMER AND BOTTLE COUNTER. DELIVERS MIN. 1 GPM FLOW RATE WITH LAMINAR FLOW. ANTI-MICROBIAL PLASTIC COMPONENTS.	YES	WALL SURFACE	SPOUT: 38" / 32" CHILDREN'S ADA SPOUT: 36"	1/2"	N/A	1-1/4"	2"	ELKAY: LZST1.G8WSSK OR APPROVED EQUAL		
IMB	ICE MAKER HOOK-UP BOX, 20 GAUGE STEEL, WHITE POWDER-COATED, ALL WELDED, TIGHT CONSTRUCTION, COLD WATER SUPPLY VALVE WITH 1/2" COPPER SWEAT INLET AND 1/4" COMPRESSION OUTLET AND WATER HAMMER ARRESTER.	N/A	WALL RECESSED	--	1/2"	N/A	N/A	N/A	GLY GRAY: MIB1HAAB OR APPROVED EQUAL		
HB	ROUGH CHROME HOSE BIBB WITH VACUUM BREAKER, CROSS HANDLE, 3/4" HOSE THREAD OUTLET, 3/4" FEMALE INLET.	N/A	WALL SURFACE	--	3/4"	N/A	N/A	N/A	0		
WH	EXTERIOR WALL HYDRANT, NON-FREEZE, ANTI-SIPHON, AUTOMATIC DRAINING, WITH INTEGRAL BACKFLOW PREVENTER, ALL BRONZE INTERIOR PARTS, 3/4" INLET, 3/4" HOSE THREAD OUTLET, STAINLESS STEEL FACE AND OPERATING KEY.	N/A	WALL RECESSED	--	3/4"	N/A	N/A	N/A	0		
NOTES:											
1	SUPPLY STOPS: CHROME-PLATED-BRASS, ONE-QUARTER TURN, BALL-TYPE OR COMPRESSION VALVE WITH INLET MATCHING SUPPLY PIPING.										
2	FLEXIBLE CONNECTIONS: ASME A112.18.6 BRAIDED- OR CORRUGATED-STAINLESS STEEL, FLEXIBLE HOSE RISER.										
3	SUPPORT CARRIERS: ASME A112.6.1M TYPE 1 (URINALS) OR TYPE 2 (CONCEALED ARM FOR LAVATORIES) WITH RECTANGULAR STEEL UPRIGHTS, COUPLING, SEAL, AND MOUNTING HARDWARE.										
4	A.D.A. LAVATORIES & SINKS: PROTECT DRAIN AND SUPPLY LINES WITH "TRAP WRAP" OR APPROVED EQUAL.										
5	EXTRA MAINTENANCE MATERIALS: FURNISH TWO (2) FLUSHOMETER-VALVE REPAIR KITS FOR EACH TYPE OF FLUSHOMETER VALVE INSTALLED.										

PRESSURE REDUCING STATION

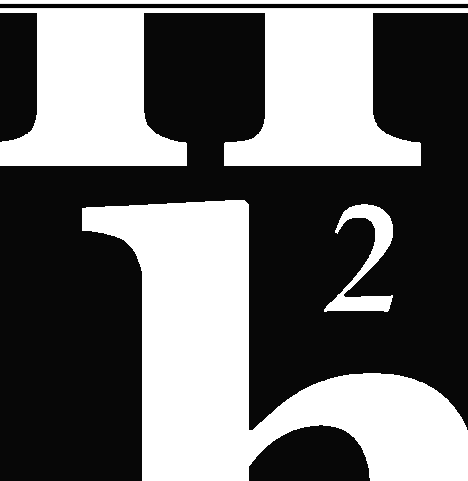
DESIGNATION	APPLICATION	PIPE SIZE (INCH DIA)	TOTAL DESIGN FLOW (GPM)	PRESSURE REDUCING VALVE QUANTITY	CAPACITY SPLIT (%)	PRESSURE REDUCING VALVE #1						DETAIL REFERENCE
						VALVE SIZE (INCH DIA)	DESIGN FLOW (GPM)	PRESSURE DROP @ FLOW (PSIG)	OUTLET PRESSURE (PSIG)	MANUFACTURER	MODEL NUMBER	
PRV-1	CWS	3	106	1	100	3	106	7.3	70	WATTS	LFN223-FS	D/P501

FIXTURE UNIT CALCULATIONS

FIXTURE TYPE		QUANTITY	WASTE		SUPPLY					
					COLD		HOT		TOTAL	
			UNIT	TOTAL	UNIT	TOTAL	UNIT	TOTAL	UNIT	TOTAL
	DRINKING FOUNTAIN	1	0.5	0.5	0.25	0.25			0.25	0.25
	LAVATORY (COLD WATER)	2	1	2	2	4			2	4
	LAVATORY (HOT WATER)	6	1	6	1.5	9	1.5	9	2	12
	SINK	7	2	14	2	14	2	14	3	21
	MOP SERVICE BASIN	1	2	2	2.25	2.25	2.25	2.25	3	3
	URINAL (3/4" VALVE)	2	4	8	5	10			5	10
	WATER CLOSET (FLUSH VALVE)	14	6	84	10	140			10	140
	SHOWER (PER HEAD)	6	2	12	3	18	3	18	4	24
	HOSE BIBB / WALL HYDRANT	15			4	60			4	60
	FLOOR DRAIN	13	2	26						
	REFRIGERATOR / ICE MAKER	7			1	7			1	7
TOTAL FIXTURE UNITS						265			43	281
DOMESTIC WATER DEMAND (GPM)						103.0			27.2	105.4

CIRCULATOR PUMPS

DESIGNATION			C-1
	SERVICE		DHW
	CAPACITY	GPM	4
	TOTAL DYNAMIC HEAD	FT.	27
	SHUT-OFF HEAD	FT.	35
	PUMP SEAL		MECHANICAL
	MOTOR SPEED	RPM	3,250
	MOTOR HORSEPOWER	HP	1/8
	MOTOR WINDING		FULL
	ELECTRICAL CHARACTERISTICS	V / PH	120 / 1
	NOTES		1
MANUFACTURER			TACO
MODEL NUMBER			009-SF5
DETAIL REFERENCE			AP501
NOTES:			
1	PROVIDE TACO 00 TIMER/AQUASTAT WITH 7 DAY DIGITAL PROGRAMMABLE TIMER. SET TIMER FOR ALLOWABLE OPERATION DURING OCCUPIED HOURS AND AQUASTAT TO CYCLE PUMP.		
2	PLUMBING CONTRACTOR TO COORDINATE INSTALLATION OF TIMER AND AQUASTAT WITH ELECTRICAL CONTRACTOR AND INSTALL PER MANUFACTURER INSTRUCTIONS.		



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SEAL:

PROJECT TITLE:
**UU&PI - LBR Relocation Administration
& Workshop Building For
City of Tallahassee**
1900 PARKIN AVE, Tallahassee, FL 32310

JOB NO.: 21.130
DESIGNED: FPH
DRAWN: FPH
CHECKED: MPP

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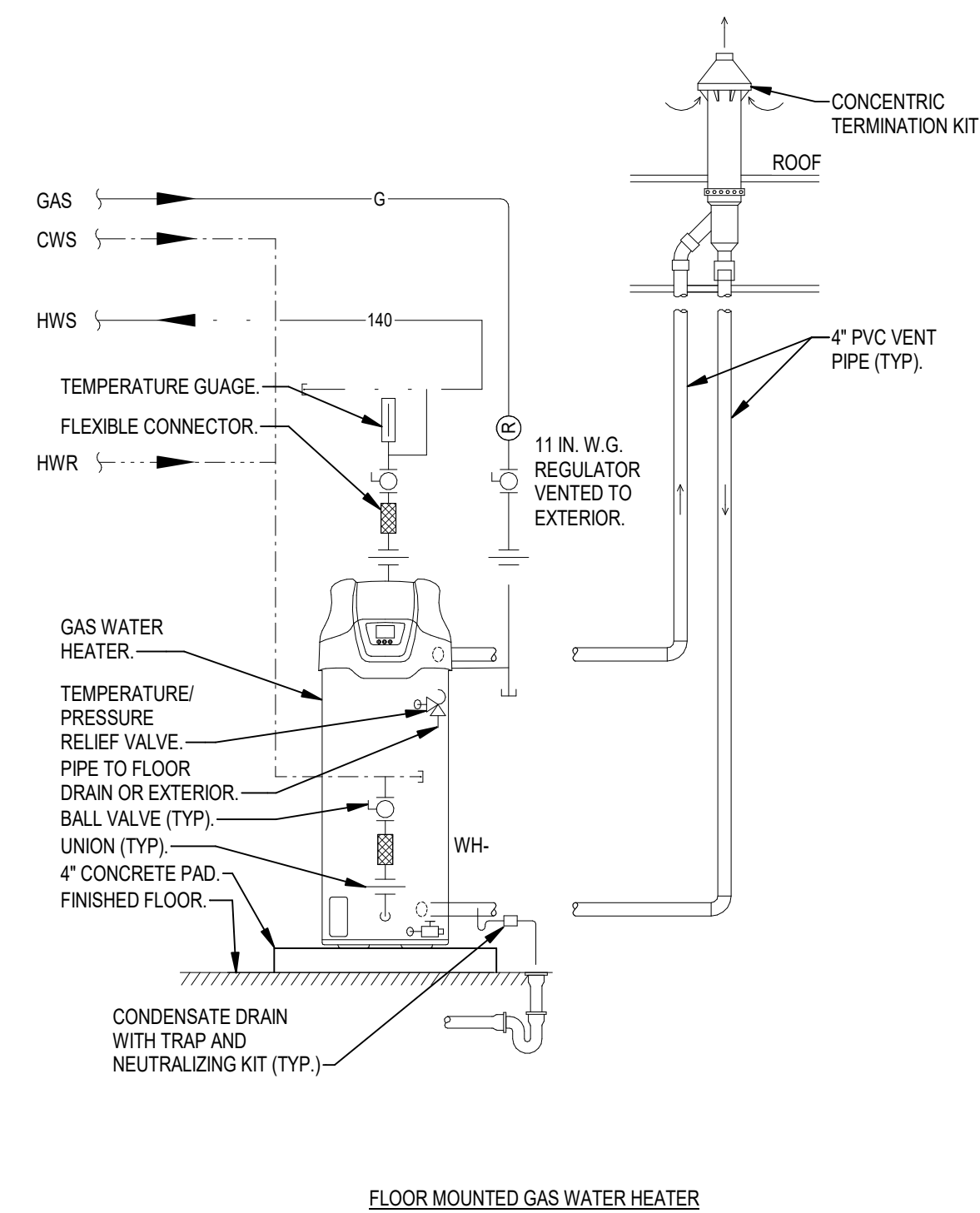
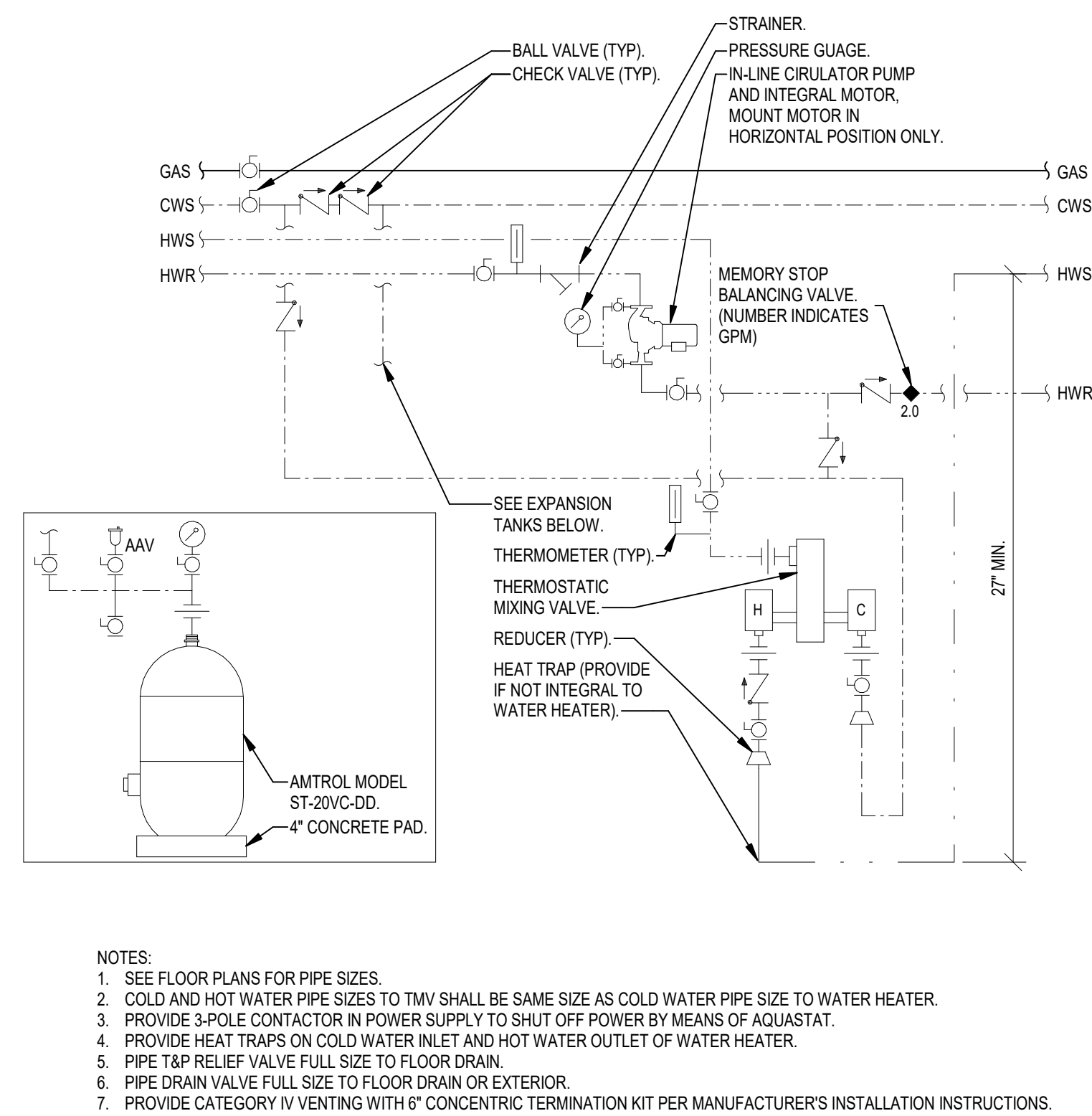
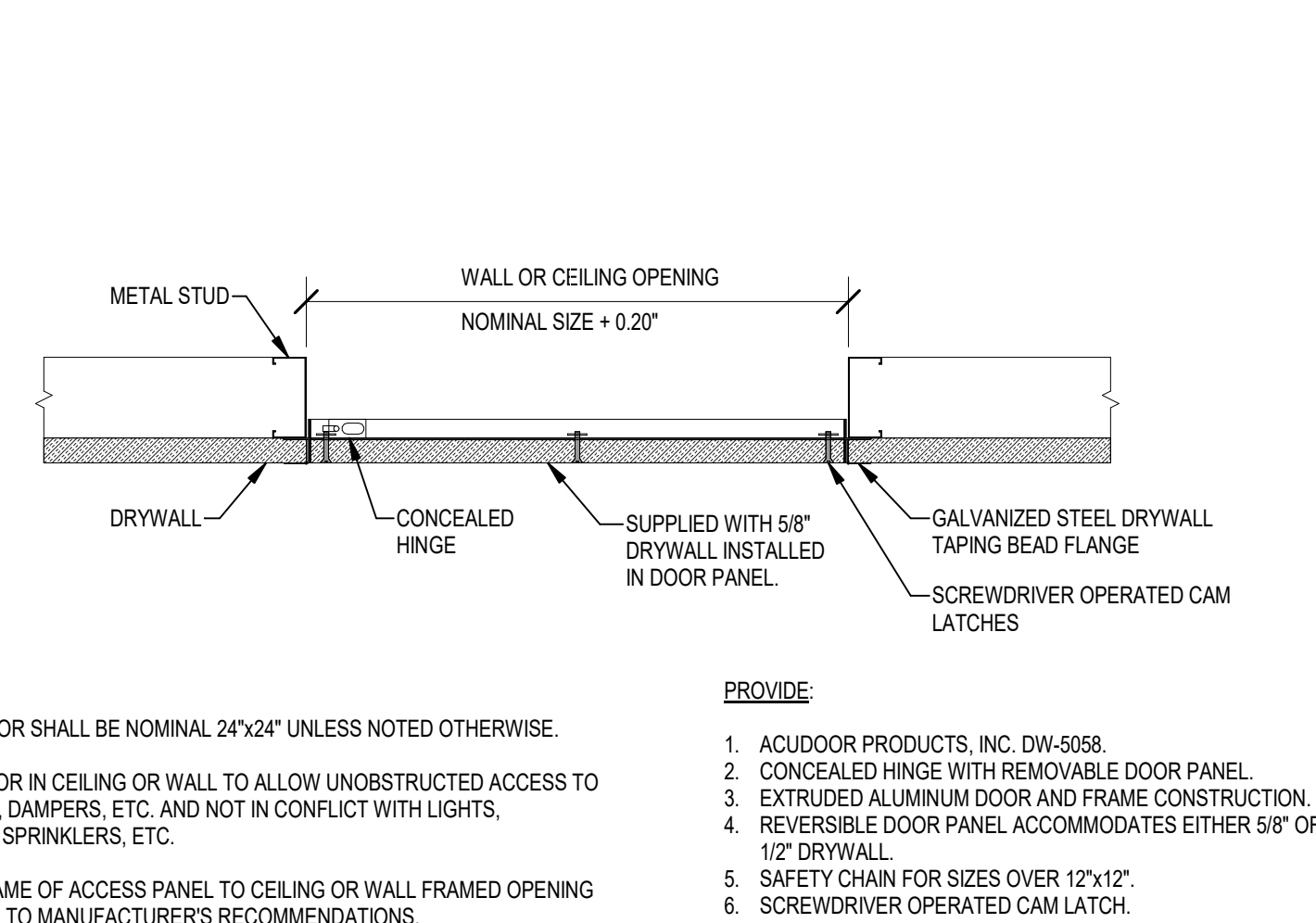
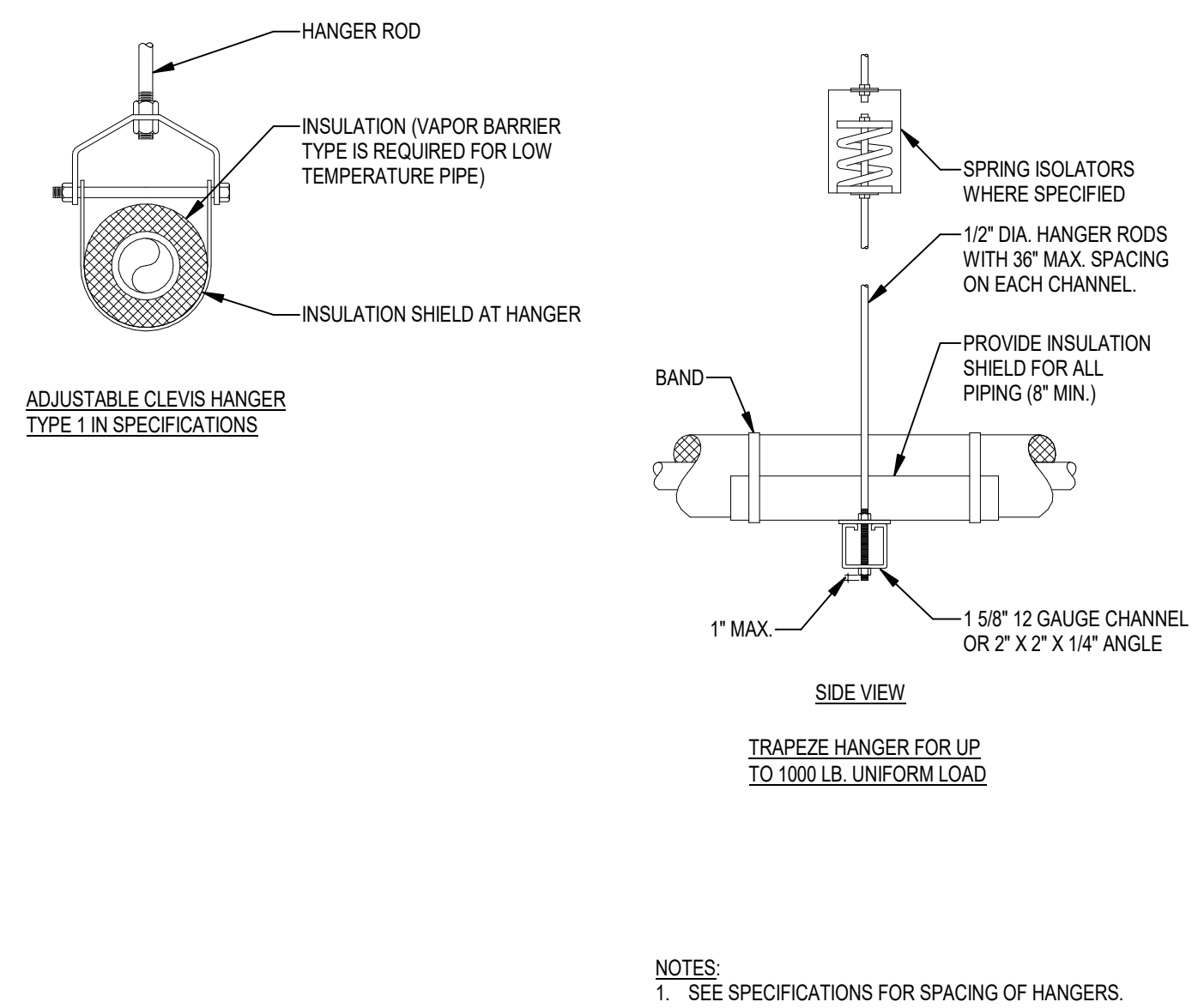
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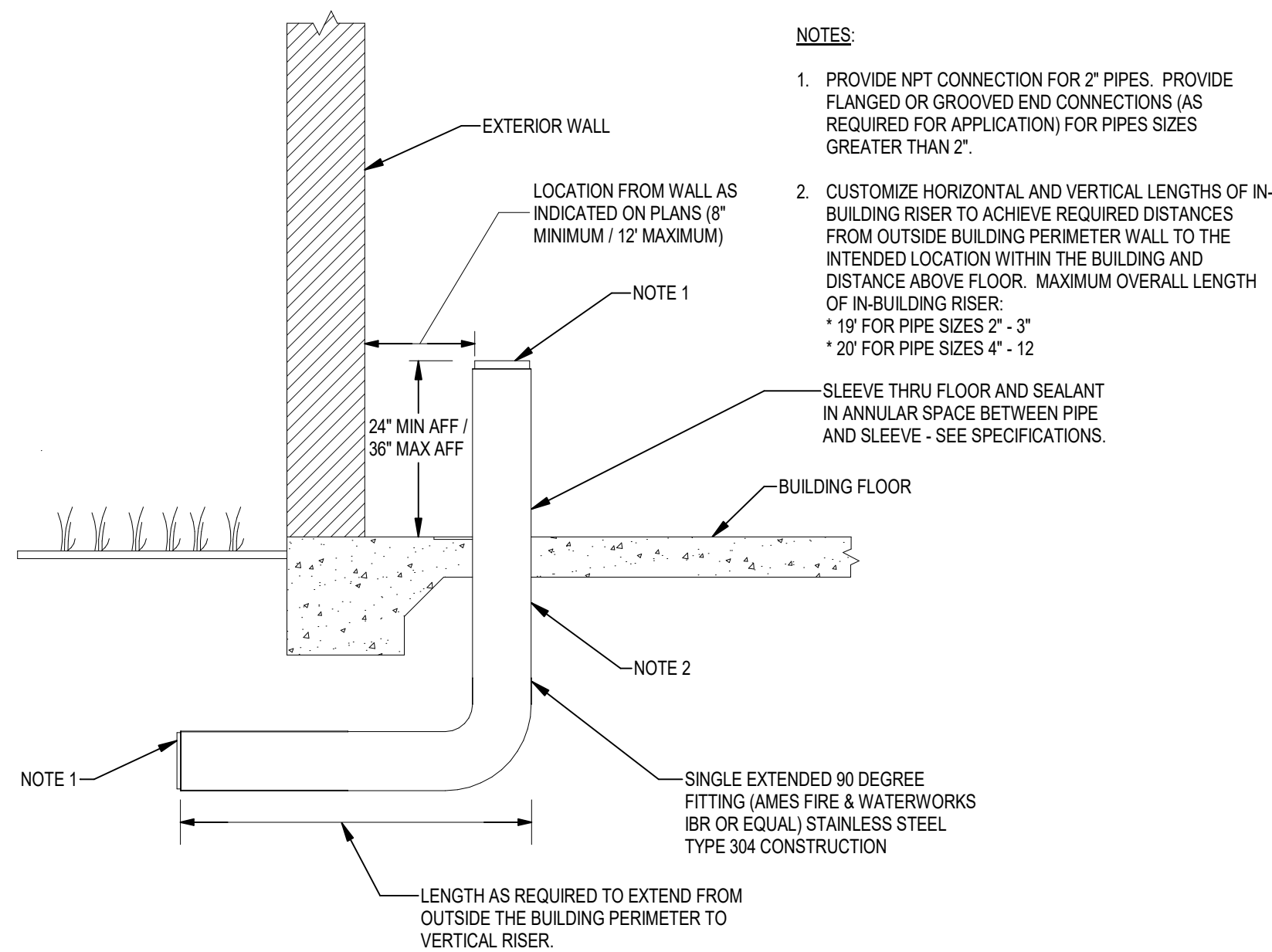
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Schedules

SHEET NO.:
P401

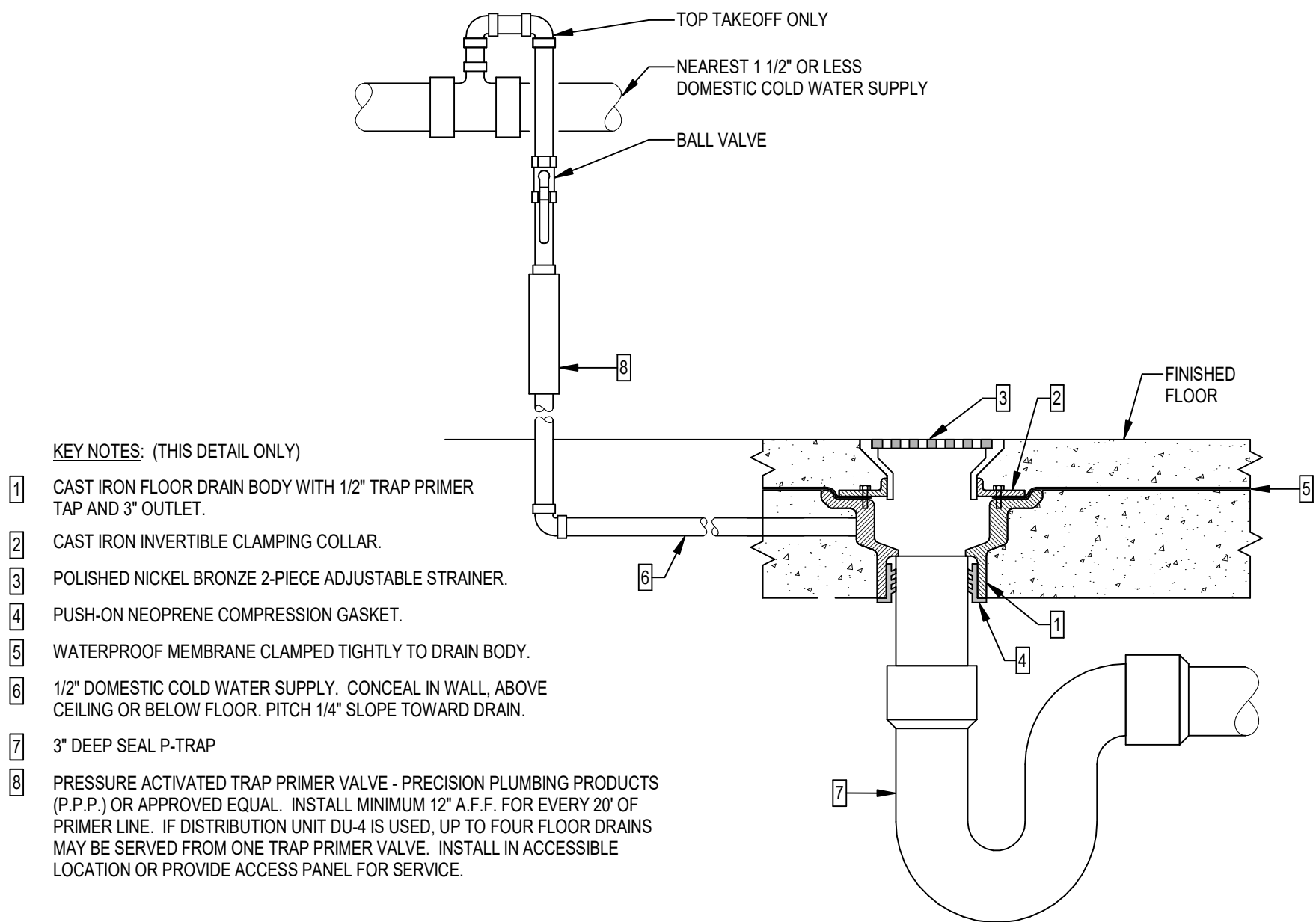
DATE:
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K TYPICAL PIPE HANGERS

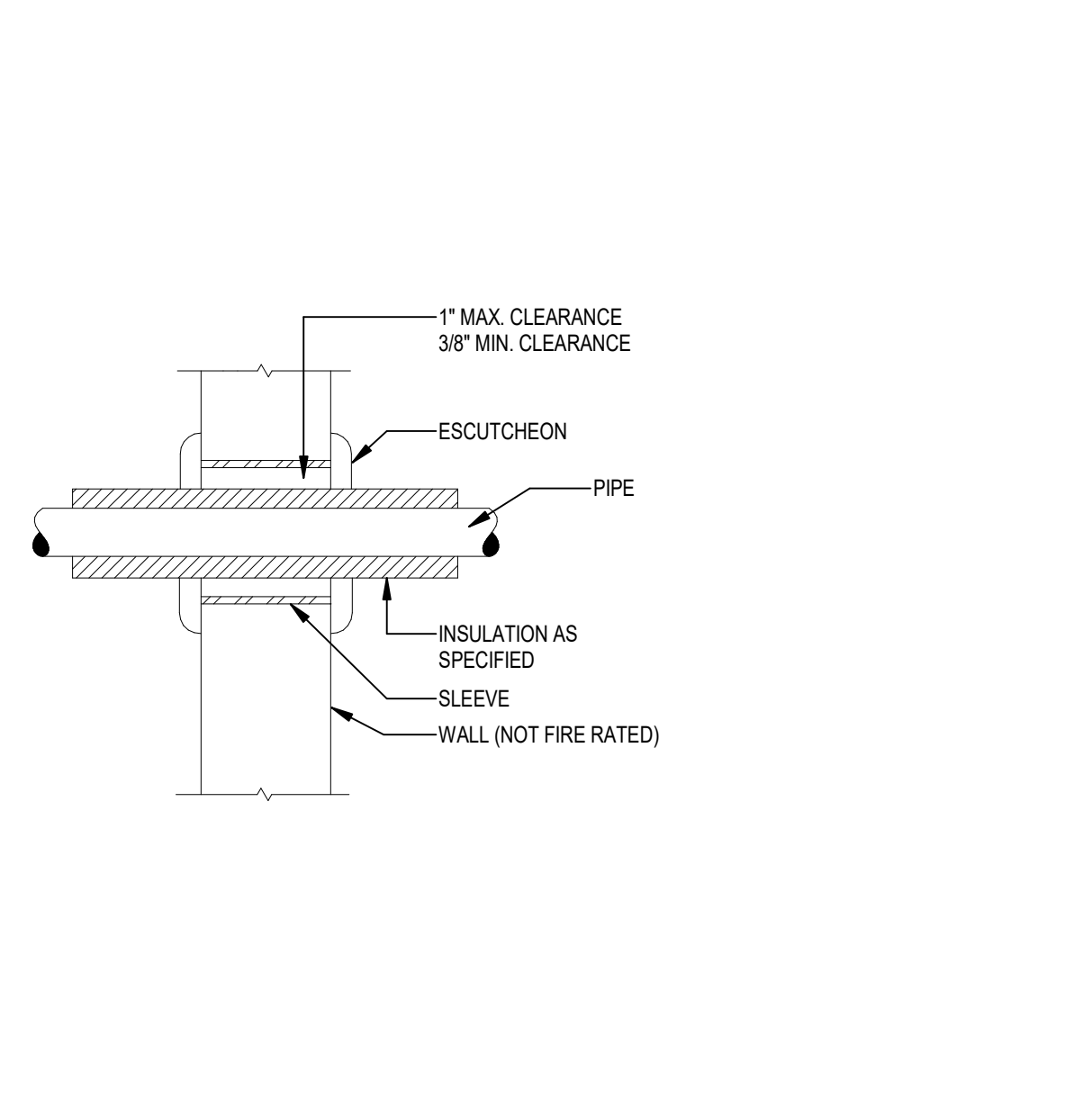


F RECESSED EQUIPMENT ACCESS PANEL - DRYWALL FACE

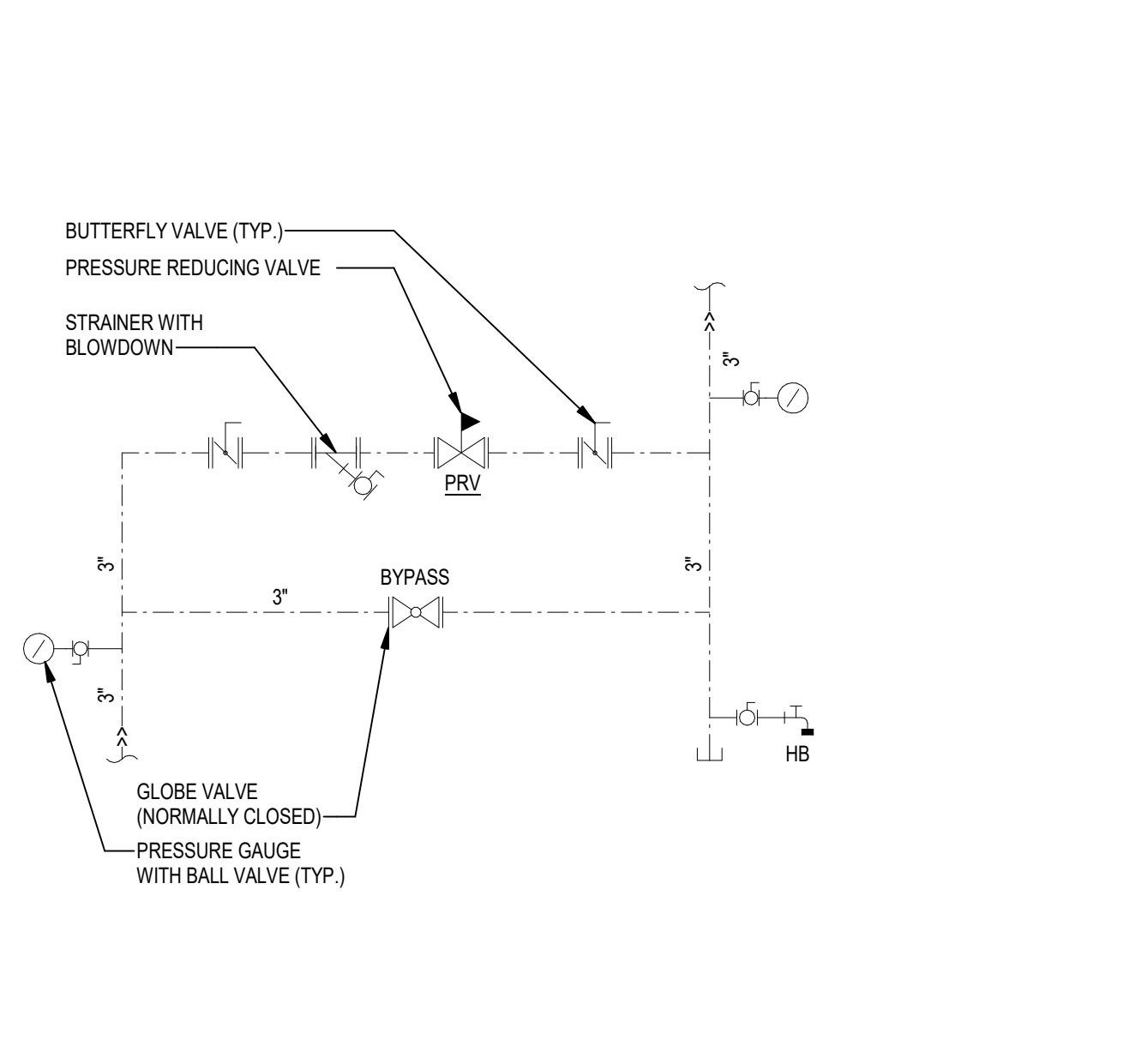


M	SINGLE PIECE IN-BUILDING RISER
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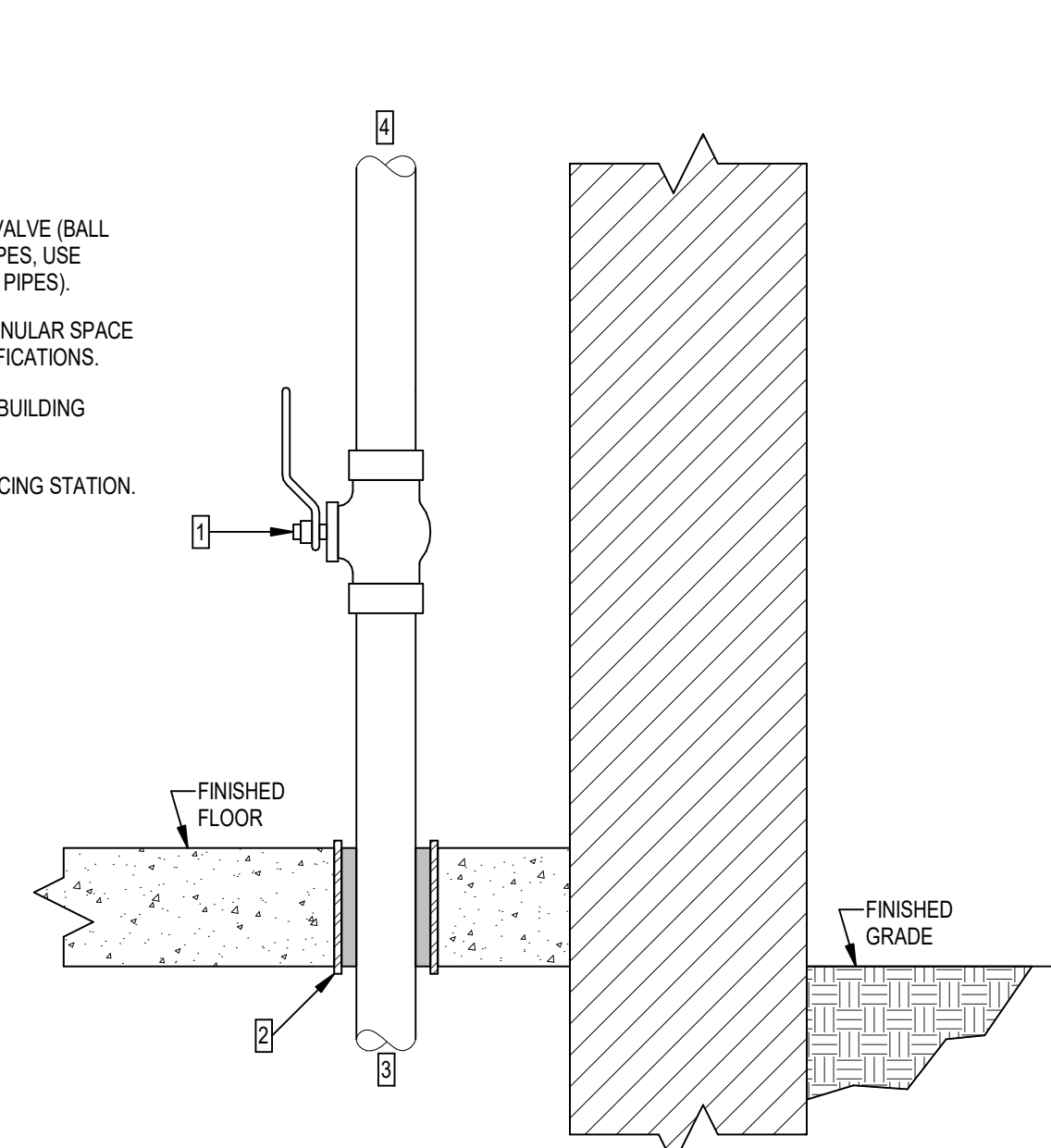
G	FLOOR DRAIN
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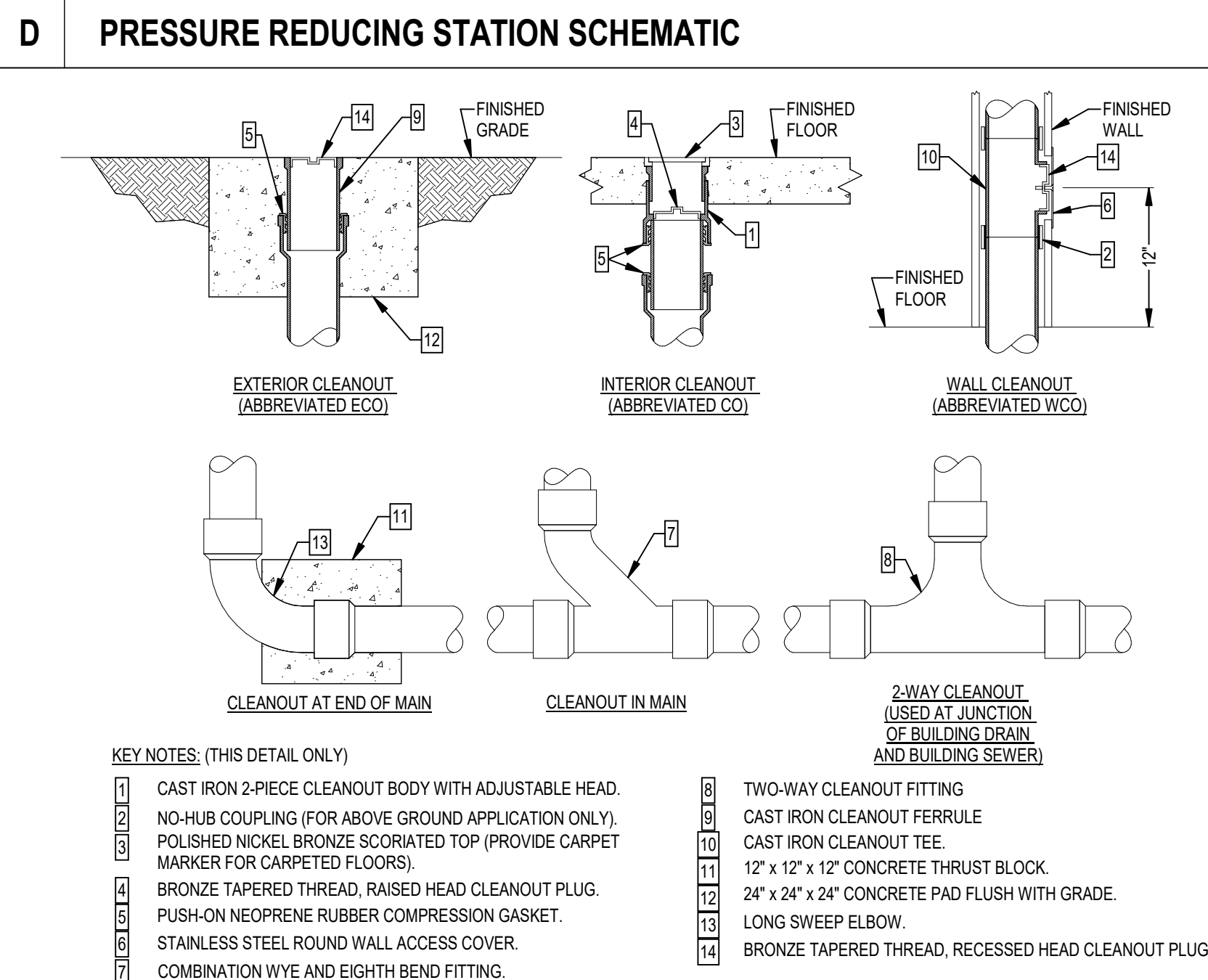
A	DOMESTIC HOT WATER SYSTEM
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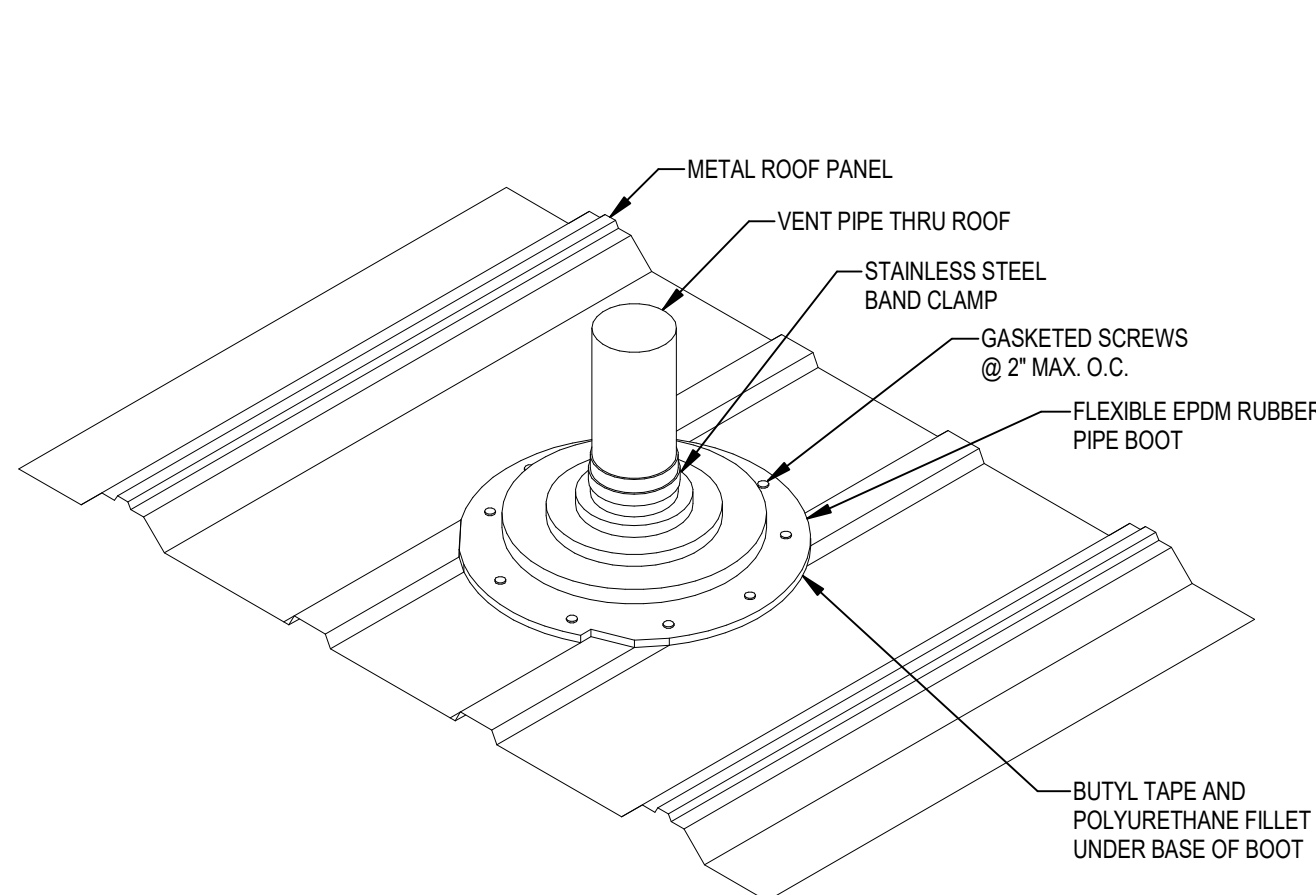
B WATER SERVICE ENTRANCE



H	PIPE PENETRATION OF NON-FIRE RATED WALL
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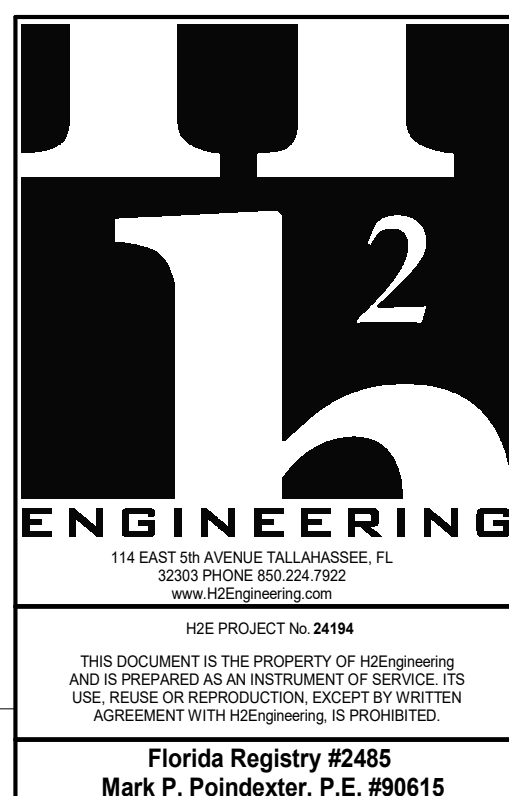
B	WATER SERVICE ENTRANCE
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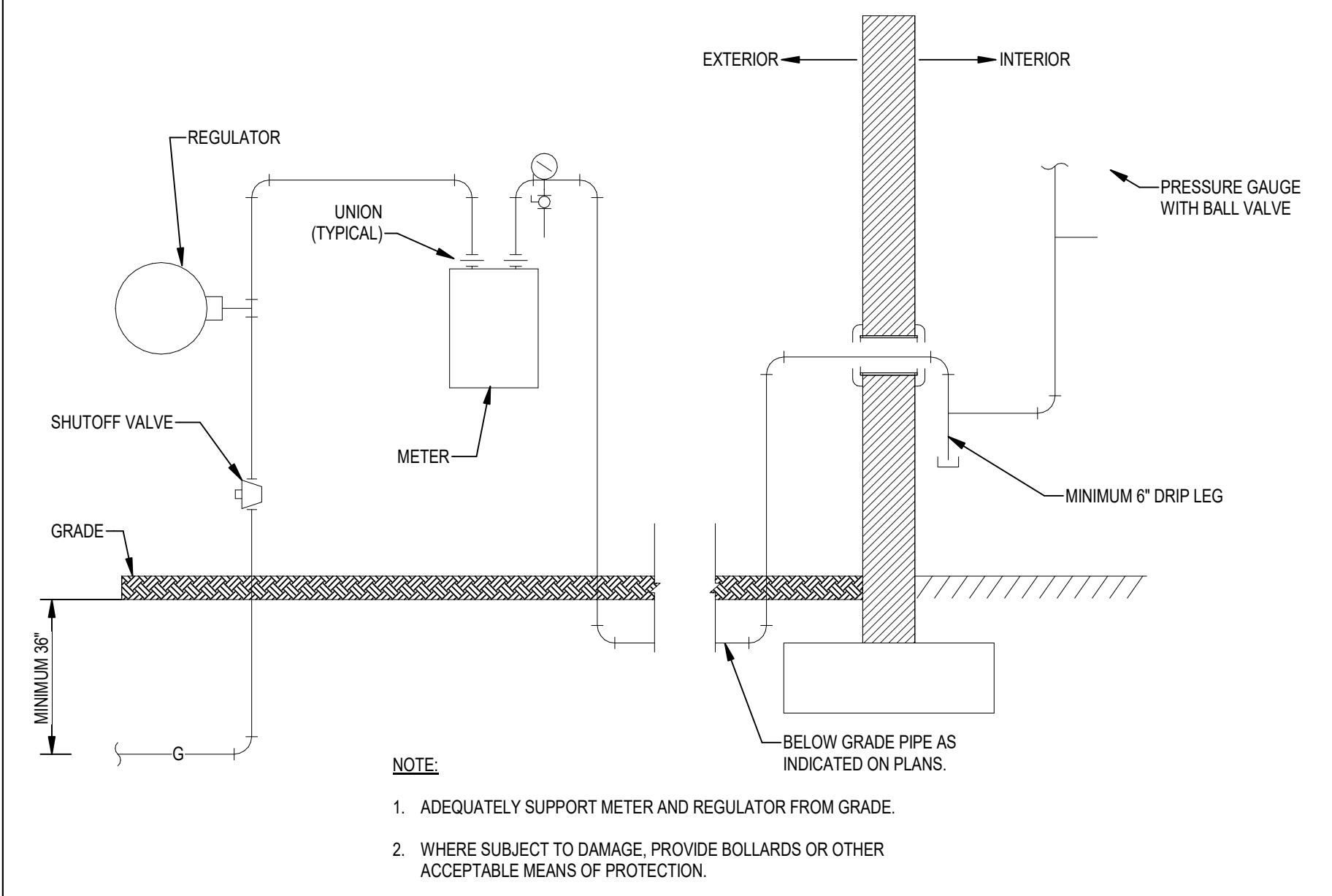


J	RESERVED
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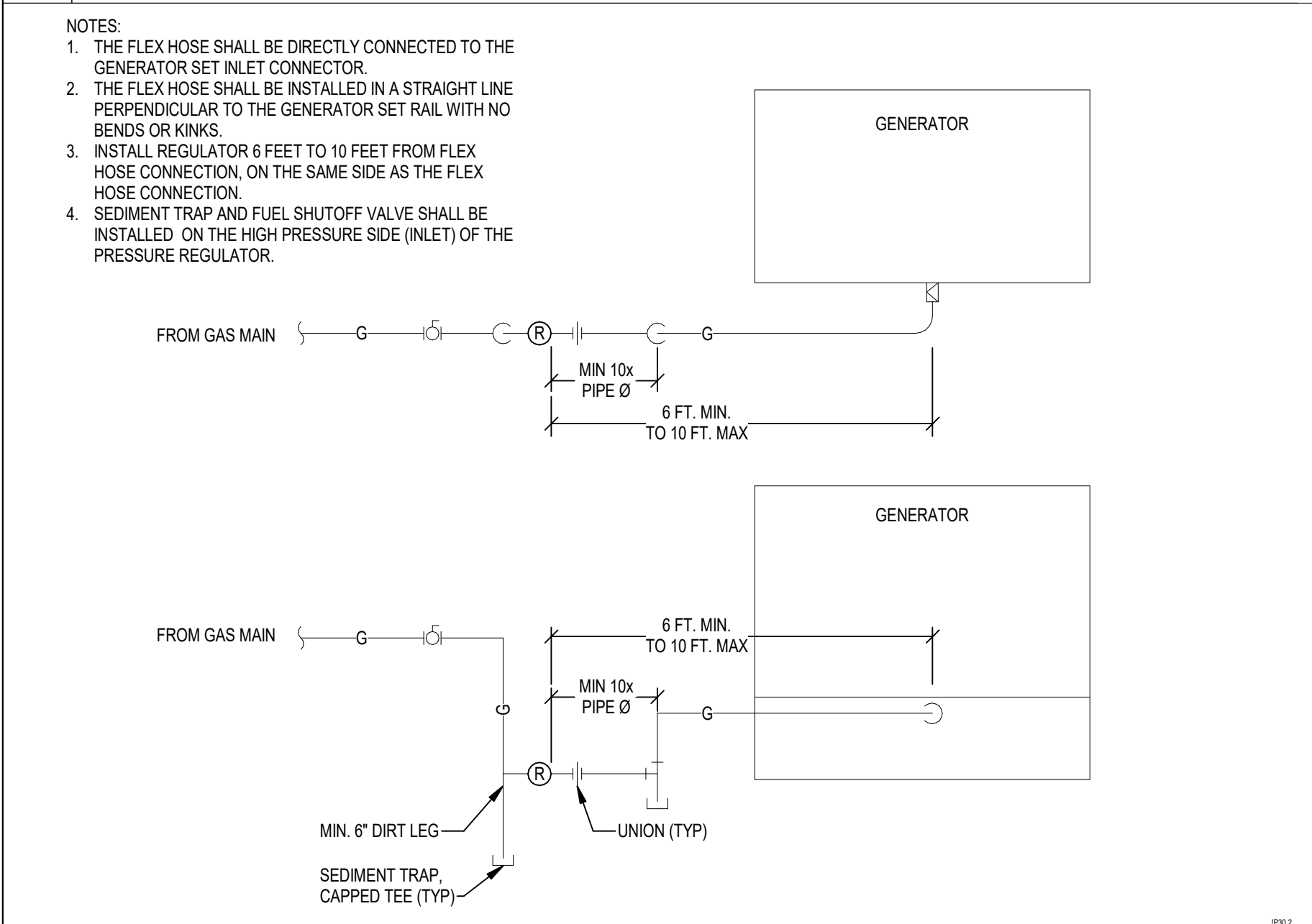
E	CLEANOUTS
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C	VENT THRU METAL ROOF
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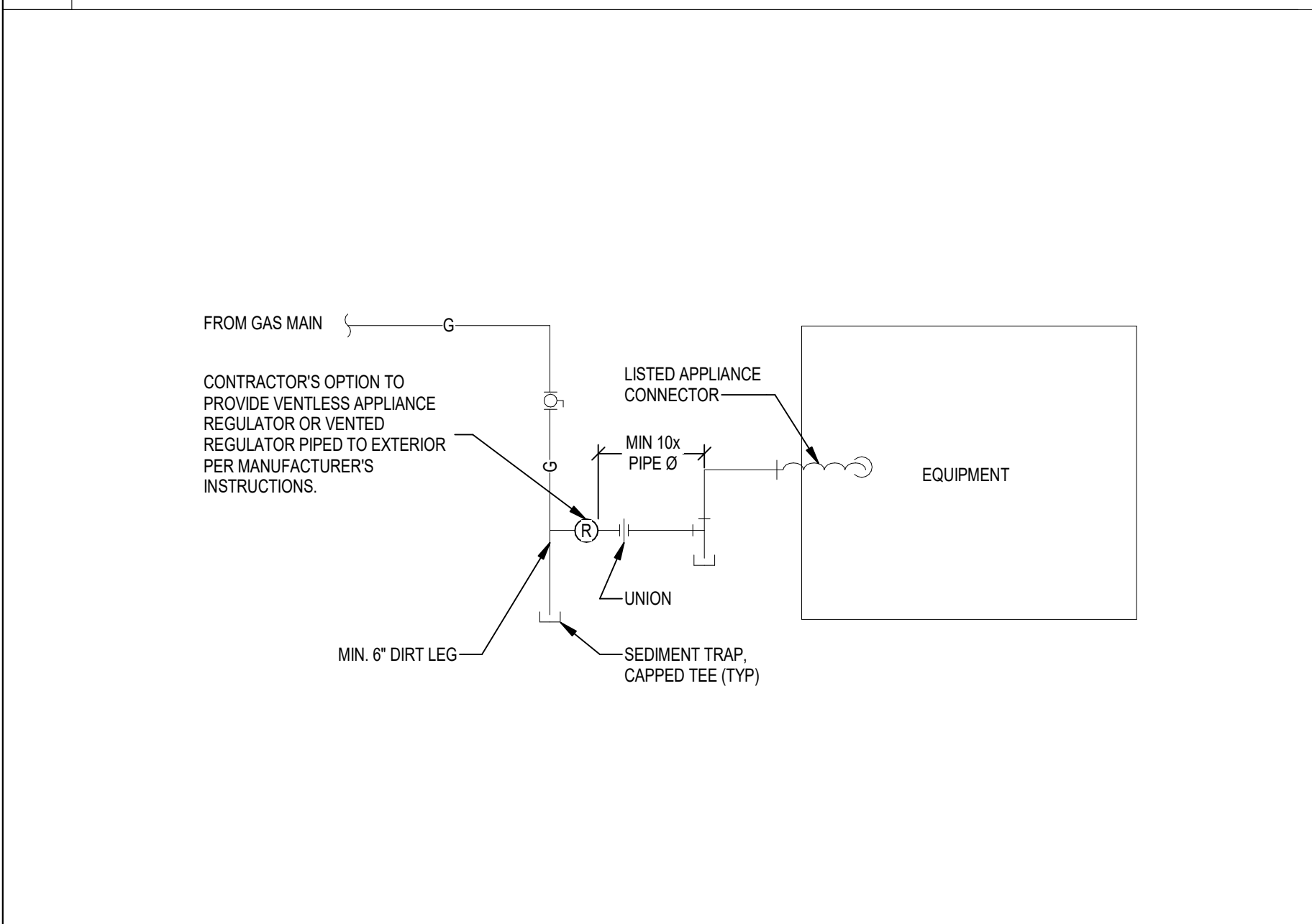




A GAS SERVICE ENTRANCE



B GAS GENERATOR PIPING INSTALLATION



C GAS APPLIANCE CONNECTION

APPLICABLE CODES	
PERFORM WORK IN ACCORDANCE WITH THE FOLLOWING CODES AND ANY APPLICABLE STATUTES, ORDINANCES, CODES, AND REGULATIONS OF GOVERNMENTAL AUTHORITIES HAVING JURISDICTION.	
1. ASHRAE	SAFETY STANDARD FOR REFRIGERATION SYSTEMS - 2019
a. STANDARD 15	ENERGY STANDARD FOR BUILDINGS EXCEPT LOW RISE RESIDENTIAL BUILDINGS - 2019
b. STANDARD 90.1	
2. OCCUPATIONAL SAFETY AND HEALTH REGULATIONS (OSHA)	
3. NATIONAL FIRE CODES	UNIFORM FIRE CODE - 2021 (FLORIDA EDITION)
a. NFPA 1	NATIONAL FUEL GAS CODE - 2021
b. NFPA 54	NATIONAL ELECTRICAL CODE - 2020
c. NFPA 70	LIFE SAFETY CODE - 2021 (FLORIDA EDITION)
d. NFPA 101	
4. FLORIDA BUILDING CODE - 2023 EDITION	
a. BUILDING CODE	
b. ENERGY CONSERVATION CODE	
c. PLUMBING CODE	
d. FUEL GAS CODE	
e. ACCESSIBILITY CODE	
5. FLORIDA STATUTES	ENGINEERING
a. CHAPTER 471	BUILDING CONSTRUCTION STANDARDS; FLORIDA BUILDING CODE - ENFORCEMENT
b. CHAPTER 533.80	
6. FLORIDA ADMINISTRATIVE CODE	
a. CHAPTER 6B7	FLORIDA BUILDING COMMISSION HANDICAPPED ACCESSIBILITY STANDARDS
b. CHAPTER 61G15-34	RESPONSIBILITY RULES OF PROFESSIONAL ENGINEERS CONCERNING THE DESIGN OF MECHANICAL SYSTEMS
c. CHAPTER 69A-3	FIRE PREVENTION - GENERAL PROVISIONS
d. CHAPTER 69A-60	THE FLORIDA FIRE PREVENTION CODE
RESOLVE IN WRITING ANY CODE VIOLATION DISCOVERED IN CONTRACT DOCUMENTS WITH THE ENGINEER PRIOR TO BIDDING. AFTER AWARD OF THE CONTRACT, MAKE ANY CORRECTION OR ADDITION NECESSARY FOR COMPLIANCE WITH APPLICABLE CODES AT NO ADDITIONAL COST TO OWNER.	
THE CONTRACTOR SHALL INCLUDE IN THE WORK, WITHOUT EXTRA COST TO THE OWNER, ANY LABOR, MATERIALS, SERVICES, APPARATUS, AND DRAWINGS REQUIRED TO COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, AND REGULATIONS.	
WHERE THERE IS CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND THE APPLICABLE CODES, THE CODES SHALL GOVERN, EXCEPT WHERE THE REQUIREMENTS OF THE CONTRACT DOCUMENTS ARE MORE STRINGENT.	

PIPING AND FITTINGS	
→	CAP
↘	ELBOW TURNED UP
↙	ELBOW TURNED DOWN
⊥	TEE, OUTLET UP
⊥	TEE, OUTLET DOWN
—G—	GAS PIPING

VALVES	
	BALL VALVE (WITH QUARTER TURN HANDLE)
	PLUG VALVE

MEASUREMENTS AND CONTROLS	
	GAS REGULATOR
	METER (WATER OR GAS)

MISCELLANEOUS	
	POINT OF CONNECTION, PLUMBING TO CIVIL

ABBREVIATIONS	
AC	ABOVE CEILING
AF	ABOVE FLOOR
AFF	ABOVE FINISHED FLOOR
AHAP	AS HIGH AS POSSIBLE
BF	BELOW FLOOR
BG	BELOW GRADE
DN	DOWN
N/A	NOT APPLICABLE
NIS	NOT IN SCOPE
TYP	TYPICAL

COORDINATION NOTES	
1.	CONTRACTOR TO COORDINATE THE LOCATION, ALIGNMENT, ELEVATION AND/OR SPACING OF ANY EXPOSED DEVICE, FIXTURE, AND/OR PIECE OF EQUIPMENT WITH THE ARCHITECTURAL FLOOR PLANS, ELEVATIONS, AND/OR REFLECTED CEILING PLANS. DISCREPANCIES AND/OR CONFLICTS CONTAINED WITHIN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. IF AN EXPOSED ITEM IS NOT INDICATED ON THE ARCHITECTURAL DOCUMENTS NOTIFY THE ARCHITECT FOR CLARIFICATION OF PLACEMENT PRIOR TO INSTALLATION.
2.	REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR SPECIFIC LOCATIONS OF CEILING MOUNTED DEVICES. DEVICES SHALL BE INSTALLED IN THE CENTER OF CEILING TILES WHERE ACOUSTICAL CEILING SYSTEMS ARE SPECIFIED AND ON THE SAME CENTERLINES WITH OTHER ADJACENT CEILING MOUNTED DEVICES IN THE SAME SPACE. IF A DEVICE'S LOCATION IS NOT CLEARLY INDICATED OR THERE IS A CONFLICT WITHIN THE CONTRACT DOCUMENTS NOTIFY ARCHITECT FOR CLARIFICATION PRIOR TO INSTALLATION.
3.	LOCATION OF WALL AND FLOOR MOUNT DEVICES IS DIAGRAMMATIC AND SHOWN FOR CLARITY. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION OF DEVICES. WHERE NOT INDICATED ON ARCHITECT'S PLAN COORDINATE WITH ARCHITECT PRIOR TO INSTALLATION.
4.	AT EXTERIOR LOCATIONS AND IN SPACES WITH EXPOSED STRUCTURE, EXPOSED UTILITIES (INCLUDING PIPING, DUCTWORK, RACEWAYS, ETC.) SHALL BE INSTALLED NEATLY, BUNDLED TOGETHER TO EXTENT POSSIBLE AND RUN AT RIGHT ANGLES TO BUILDING LINES. THESE UTILITIES SHALL BE PAINTED TO MATCH ADJACENT SURFACE OR AS DIRECTED BY ARCHITECT. HANGERS, STEEL SHAPES AND SLOTTED STEEL SUPPORTS SHALL BE PAINTED TO MATCH RACEWAY OR AS DIRECTED BY ARCHITECT, TO EXTENT POSSIBLE. CONTRACTOR SHALL AVOID EXPOSED RACEWAYS BY INSTALLING UTILITIES BELOW GRADE, IN WALL, OR ABOVE ADJACENT CONCEALED CEILING SPACES.
5.	PROVIDE ACCESS PANELS IN CEILING WHERE ANY DEVICE OR EQUIPMENT REQUIRING SERVICE (INCLUDING DAMPERS, VALVES, JUNCTION BOXES, CONTROLLERS, SMOKE DETECTORS, ETC.) IS LOCATED ABOVE OR BEHIND AN INACCESSIBLE CEILING OR WALL. ACCESS PANELS IN RATED CONSTRUCTION SHALL BEAR APPROPRIATE UL LABEL. COORDINATE LOCATION AND TYPE OF ACCESS PANEL WITH ARCHITECT PRIOR TO INSTALLATION.
6.	PROVIDE SELF-ADHESIVE IDENTIFICATION LABELS (CLEAR WITH BLACK LETTERS) ON CEILING WHERE VALVES, MECHANICAL EQUIPMENT, OR ELECTRICAL EQUIPMENT ARE LOCATED ABOVE CEILINGS. AT ACCESSIBLE CEILINGS APPLY LABEL TO CEILING GRID WITHIN REACH OF DEVICE. AT INACCESSIBLE CEILINGS APPLY LABEL TO ACCESS PANEL.
7.	PROVIDE CONCRETE HOUSEKEEPING PAD FOR ALL FLOOR OR GROUND MOUNTED EQUIPMENT WITH #4 REBAR 8" O.C. EACH WAY AND 1" CHAMFERED TOP EDGE. PADS ON CONCRETE SLAB SHALL BE 4" HIGH AND DOWELED INTO SLAB WITH #4 REBAR EXTENDING 2" INTO PAD, 3" INTO SLAB AND EPOXIED IN PLACE AND SPACED 12" O.C. AROUND PERIMETER OF PAD. PADS ON EARTH SHALL BE MINIMUM 6" THICK AND LAYED OUT TO EXTEND A MINIMUM OF 4" ABOVE GRADE AT HIGHEST GRADE LEVEL. COMPACT EARTH BELOW PAD PRIOR TO PAD CONSTRUCTION.

GENERAL NOTES	
1.	INSTALL ALL WORK IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2023, THE FLORIDA FIRE PREVENTION CODE, THE NATIONAL ELECTRICAL CODE 2020 EDITION, AND ALL CODES, ORDINANCES, RULES AND REGULATIONS OF AUTHORITIES HAVING JURISDICTION AT THIS SITE. WHERE CONFLICTS OCCUR BETWEEN CODES AND THE CONSTRUCTION DOCUMENTS, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.
2.	DRAWINGS ARE DIAGRAMMATIC, INDICATIVE OF WORK TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL DIMENSIONS.
3.	FIELD VERIFY ALL DIMENSIONS AND ALL CONDITIONS. IF THE CONTRACTOR IS UNABLE TO INTERPRET THE CONTRACT DOCUMENTS, CONTRACTOR IS RESPONSIBLE TO REQUEST CLARIFICATION IN WRITING TO THE ARCHITECT. IF CONTRACTOR PROCEEDS WITH ANY WORK BEFORE OBTAINING CLARIFICATION, CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL DEFICIENCIES ASSOCIATED THEREWITH.
4.	BEFORE SUBMITTING FOR THE WORK, EACH BIDDER WILL BE RESPONSIBLE TO EXAMINE THE PREMISES AND SATISFY HIMSELF AS TO THE EXISTING CONDITIONS UNDER WHICH CONTRACTOR WILL BE OBLIGED TO OPERATE AND COMPLETE THE WORK UNDER THIS CONTRACT. NO ALLOWANCE WILL SUBSEQUENTLY BE MADE IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR OMISSION ON CONTRACTOR'S PART.
5.	THE CONTRACTOR SHALL PAY FOR ALL INSPECTION PERMITS, CERTIFICATES, CONNECTION FEES, SYSTEM DEMAND CHARGES AND LICENSE FEES IN CONNECTION WITH CONTRACTOR'S WORK.
6.	GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK OF ALL SUBCONTRACTORS TO AVOID INTERFERENCES.
7.	ALL WORK SHALL COMPLY WITH APPLICABLE O.S.H.A. AND E.P.A. REGULATIONS AND GUIDELINES.
8.	ERECT AND MAINTAIN ALL REASONABLE PRECAUTIONS FOR SAFETY AND HEALTH INCLUDING POSTING DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDS INCLUDING PROMULGATING SAFETY REGULATIONS. PROVIDE SAFETY PRECAUTIONS AND BARRICADES FOR PEDESTRIANS AT CONSTRUCTION VEHICLE ACCESS AND EGRESS LOCATIONS.
9.	COORDINATE AND SEQUENCE ALL DEMOLITION, CLEANING AND CONSTRUCTION WORK. SUBMIT A COMPLETELY DETAILED CONSTRUCTION SCHEDULE PRIOR TO PRE-CONSTRUCTION CONFERENCE.
10.	THE CONTRACTOR SHALL STRICTLY BE HELD TO THE PROJECT SCHEDULE. CONTRACTOR SHALL PROVIDE SUFFICIENT MANPOWER AND EQUIPMENT TO FULLY MOBILIZE, PROCEED WITH AND COMPLETE THE WORK.
11.	THE CONTRACTOR SHALL BE RESTRICTED TO AREAS SPECIFIED BY THE OWNER FOR ON-SITE STORAGE OF CONSTRUCTION MATERIALS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND SECURITY OF ALL EQUIPMENT AND MATERIALS.
12.	THE CONTRACTOR SHALL MAINTAIN A CLEAN WORK ENVIRONMENT AT ALL TIMES AND SHALL CLEAN CONSTRUCTION SITE OF ALL DEBRIS AT COMPLETION OF THE JOB AND BEFORE FINAL PAYMENT IS MADE.
13.	THE CONTRACTOR SHALL FURNISH "AS-BUILT" DRAWINGS TO THE OWNER AT COMPLETION OF CONSTRUCTION.
14.	CONTRACTOR SHALL GUARANTEE THE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THIS GUARANTEE SHALL BE IN ADDITION TO THE WARRANTIES PROVIDED BY MATERIAL SUPPLIERS AND MANUFACTURERS.
15.	CONTRACTOR'S USE OF AN APPROVAL STAMP ON DOCUMENTS SUBMITTED AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS CERTIFIES THAT THE CONTRACTOR HAS COMPLIED WITH THE CONTRACT DOCUMENT REQUIREMENTS RELATED TO "SHOP DRAWINGS, PRODUCT DATA AND SAMPLES."
16.	THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE ARCHITECT/ENGINEER'S APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE ARCHITECT/ENGINEER IN WRITING OF SUCH DEVIATION AT THE TIME OF SUBMITTAL AND THE ARCHITECT/ENGINEER HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS BY THE ARCHITECT/ENGINEER'S APPROVAL THEREOF.
17.	PRIOR TO INSTALLATION, COORDINATE AND ADJUST THE FINAL LOCATION OF ALL WALL MOUNTED DEVICES AND EQUIPMENT WITH ALL CASEWORK, SHELVING, MARKER BOARDS, BULLETIN BOARDS OR OTHER WALL MOUNTED FURNISHINGS.
18.	NOTE ANY SPECIAL REQUIREMENTS INVOLVED IN INSTALLING THE EQUIPMENT IN THE BUILDING. DISMANTLING AND REASSEMBLING OF ANY EQUIPMENT SHALL BE DONE AS REQUIRED FOR ENTRY INTO THE BUILDING AND EQUIPMENT ROOMS.
19.	PROTECT THE ROOF FROM DAMAGE WHENEVER ANY WORK ON THE ROOF IS REQUIRED.
20.	SUPPORTS AND HANGERS SHALL PRESENT A NEAT, ORDERLY APPEARANCE.
21.	ALL EXTERIOR STRUCTURES INCLUDED, BUT NOT LIMITED TO, THE GENERATOR AND GENERATOR FENCEWALL SHALL BE INSTALLED TO RESIST 180 MPH WIND LOAD.
22.	BEAM AND FLOOR PENETRATIONS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. BEAM SLEEVES AND BEAM REINFORCING APPROVED BY STRUCTURAL ENGINEER SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR.
23.	CONTRACTOR SHALL COMPLY WITH "TRENCH SAFETY ACT" (FLORIDA STATUTE 553 PART III) AND OSHA STANDARD 29 CFR 1926.650 SUBPART P FOR ALL UTILITY TRENCHES IN EXCESS OF 5 FEET DEEP. CONTRACTOR SHALL INDICATE WITHIN HIS BID RESPONSE A REFERENCE TO THE TRENCH SAFETY STANDARD AND A SEPARATE LINE ITEM COST OF COMPLIANCE WITH STANDARD.

GAS FUEL NOTES	
1.	INSTALL ALL WORK IN ACCORDANCE WITH THE FLORIDA PLUMBING CODE, FLORIDA FUEL GAS CODE, AND LOCAL PLUMBING CODES. WHERE CONFLICTS OCCUR BETWEEN CODES AND BETWEEN THE CONSTRUCTION DOCUMENTS AND CODES, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.
2.	TEST, INSPECT, AND PURGE NATURAL GAS PIPING ACCORDING TO NFPA 54 AND AUTHORITIES HAVING JURISDICTION.
3.	INSTALLATION OF EQUIPMENT AND PIPING SHALL PROVIDE CONVENIENT ACCESS FOR MAINTENANCE.
4.	GRAVITY FLOW SYSTEMS HAVE SPACE PRIORITY FOR SLOPING PIPES, HOWEVER SLOPE MUST BE STARTED AT HIGHEST POINT POSSIBLE.
5.	PAINT GAS PIPING EXPOSED TO VIEW YELLOW.

COORDINATION AND/OR SHOP DRAWING NOTES	
1.	COORDINATION AND SHOP DRAWINGS, INCLUDING ANY BIM MODEL CREATED BY THE CONTRACTOR AND OR A THIRD PARTY FOR COORDINATION PURPOSES ARE NOT CONSTRUCTION DOCUMENTS AND DO NOT SUPERCEDE ANY REQUIREMENTS WITHIN THE CONSTRUCTION DOCUMENTS.
2.	CHANGES TO EQUIPMENT OR SYSTEM LAYOUTS FROM THAT DEPICTED IN THE CONSTRUCTION DOCUMENTS THAT ARE REQUIRED FOR COORDINATION, SUBSTITUTIONS, OR OTHERWISE SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR APPROVAL.
3.	CHANGES SHALL BE CIRCLED AND NOTED ON THE COORDINATION OR SHOP DRAWING IN RED OR OTHER COLOR THAT CLEARLY DIFFERENTIATES THE NOTE FROM THE REMAINDER OF THE SUBMITTED DOCUMENT.
4.	ONLY NOTED CHANGES SPECIFICALLY CALLED OUT WILL BE REVIEWED BY THE ENGINEER DURING THE SUBMITTAL PROCESS. THE ENGINEER WILL NOT REVIEW EVERY DETAIL OF THE ENTIRE DOCUMENT PACKAGE TO LOCATE CHANGES MADE BY THE CONTRACTOR. CHANGES NOT SPECIFICALLY NOTED ARE AUTOMATICALLY "NOT APPROVED" REGARDLESS OF APPROVAL STATUS ON THE RETURNED SUBMITTAL.
5.	CHANGES TO THE CONTRACT DOCUMENTS MADE BY THE CONTRACTOR THAT ARE NOT NOTED AND BROUGHT TO THE ATTENTION OF THE ENGINEER AND THUS "NOT APPROVED" WHICH RESULT IN A COST OR SCHEDULE CHANGE TO THE PROJECT SHALL BE BURDENED TO THE CONTRACTOR WHO MADE THE CHANGE WITHOUT ANY REMUNERATION FROM THE OWNER.
6.	A COORDINATION DRAWING PACKAGE OR BIM MODEL USED IN THE FIELD BY THE INSTALLING CONTRACTOR IS NOT A CONSTRUCTION DOCUMENT AND DOES NOT INCLUDE ALL NOTES AND DETAILS NECESSARY FOR A COMPLETE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING INSTALLERS WITH A COMPLETE SET OF APPROVED COORDINATION DRAWINGS INCLUSIVE OF ALL NOTES, DETAILS, ETC. INCLUDED IN THE CONSTRUCTION DOCUMENTS.

DRAWING INDEX	
PG001	General Notes & Legends
PG100	Site Plan
PG101	Floor Plan



SEAL:

PROJECT TITLE:

UU&PI - LBR Relocation Administration
& Workshop Building For
City of Tallahassee
1800 RANKIN AVE, Tallahassee, FL 32310

JOB NO.: 21.130	
DESIGNED:	FPH
DRAWN:	FPH
CHECKED:	MPP
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1	12/16/25
2	
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DRAWING TITLE:
General Notes & Legends

SHEET NO.:
PG001

DATE:
October 03, 2025

2

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Mark P. Poindexter, P.E. #99015

PROJECT TITLE:

**UU&PI - LBR Relocation Administration
& Workshop Building For
City of Tallahassee**
1900 RANKIN AVE, Tallahassee, FL 32310

JOB NO.: 21.130

DESIGNED: FPH

DRAWN: FPH

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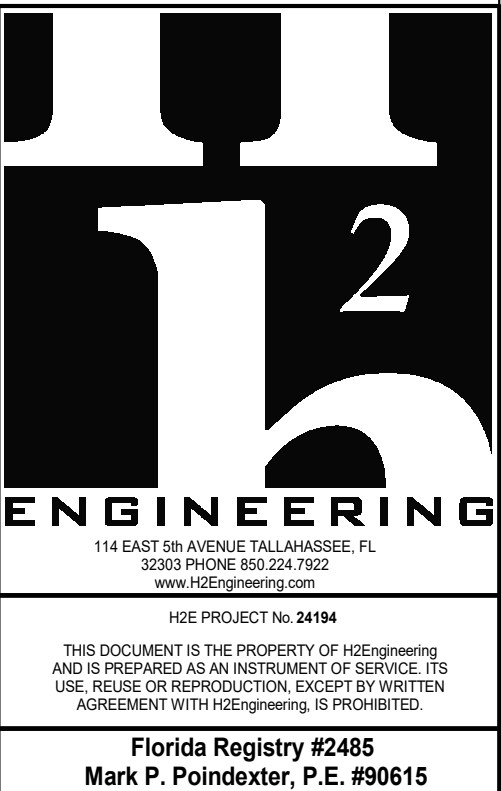
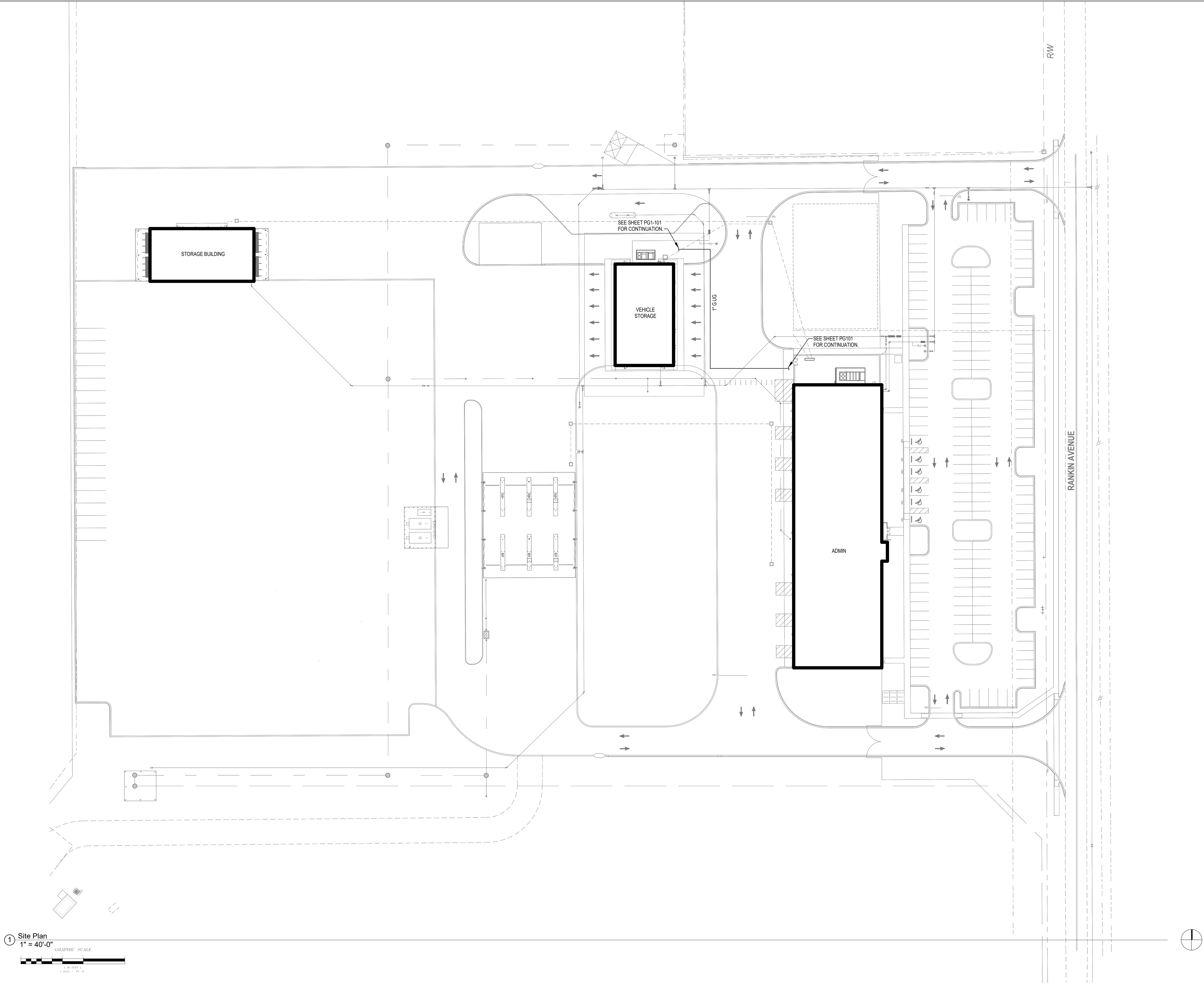
Site Plan

SHEET NO.:

PG100

DATE:

October 03, 2025



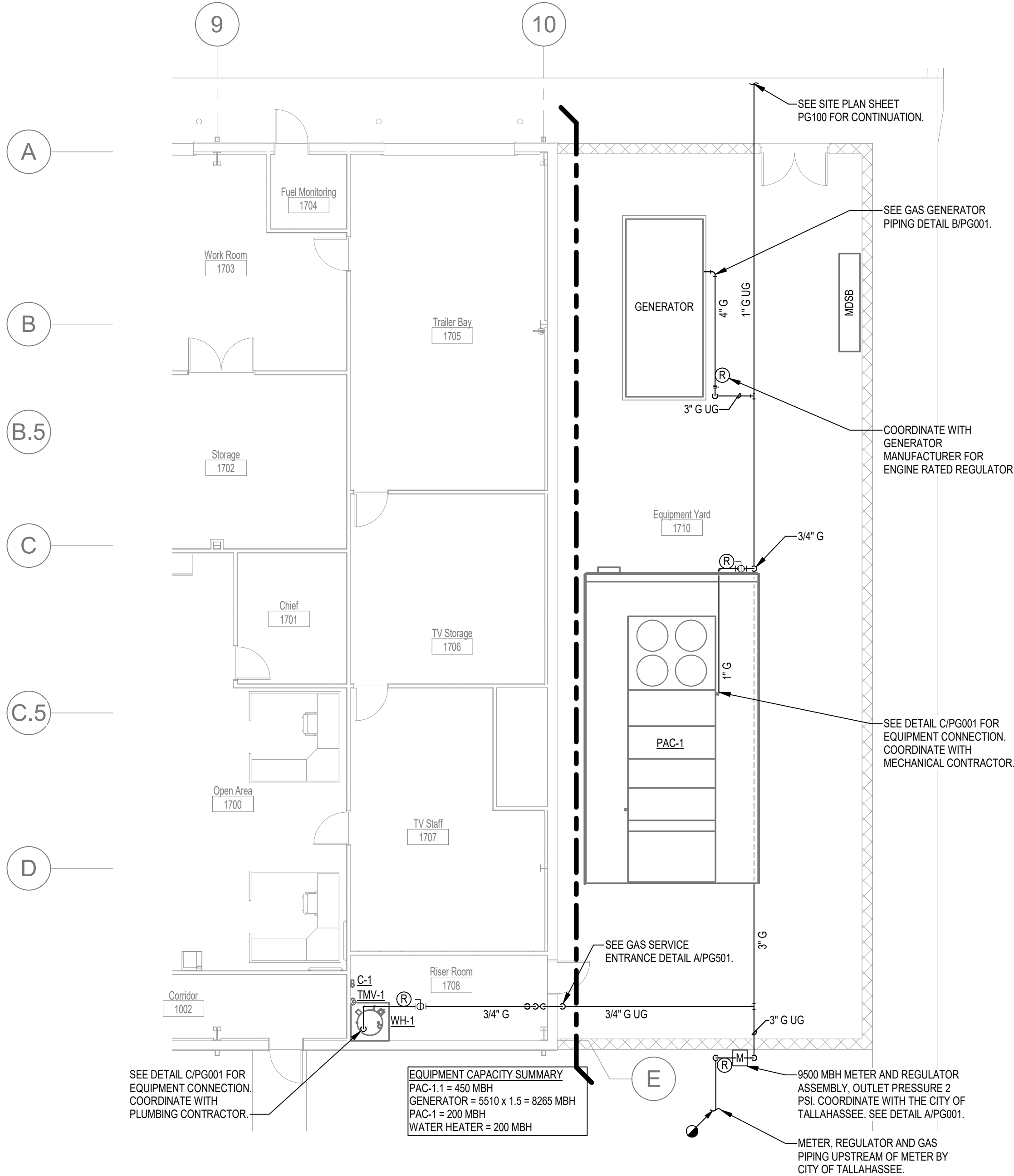
GAS PIPE SCHEDULE

PIPE SECTION	FUEL GAS TYPE	CAPACITY (MBH)	REGULATOR PRESSURE	EQUIPMENT	PIPE LENGTH (FT)	EQUIV. LENGTH FOR FITTINGS (FT)	TOTAL LENGTH (FT)	PIPE SIZE (IN)
1	NATURAL GAS	9,115	2 PSI		10	12	22	3
1.1	NATURAL GAS	200	2 PSI	WH-1	50	41	91	3/4
1.2	NATURAL GAS	200	7 IN WC	WH-1	7	6	13	3/4
2	NATURAL GAS	8,915	2 PSI		40	0	40	3
2.1	NATURAL GAS	200	2 PSI	PAC-1	10	31	41	3/4
2.2	NATURAL GAS	200	11 IN WC	PAC-1	20	8	28	1
3	NATURAL GAS	8,715	2 PSI		7	0	7	3
3.1	NATURAL GAS	8,265	2 PSI	GENERATOR	40	21	61	3
3.2	NATURAL GAS	8,265	14 IN WC	GENERATOR	15	23	38	4
4	NATURAL GAS	450	2 PSI	PAC-1.1	320	103	423	1
4.1	NATURAL GAS	450	11 IN WC	PAC-1.1	5	8	13	1

NOTES:
1 GAS PIPING SIZED USING LONGEST LENGTH METHOD FROM POINT OF DELIVERY TO EITHER REGULATOR OR APPLIANCE.
SEE FLORIDA BUILDING CODE - FUEL GAS TABLES: 402.4(5), 402.4(2)

- NOTES:
1 ALL OUTDOOR UNDERGROUND PIPING SHALL BE PE PIPE AND FITTINGS JOINED BY HEAT FUSION, OR MECHANICAL COUPLINGS; SERVICE-LINE RISERS WITH TRACER WIRE TERMINATED IN AN ACCESSIBLE LOCATION. SEE SPECIFICATION.
2 ALL OUTDOOR ABOVEGROUND PIPING SHALL BE STEEL PIPE WITH MALLEABLE-IRON FITTINGS AND THREADED JOINTS OR WROUGHT-STEEL FITTING AND WELDED JOINTS AS OUTLINED IN SPECIFICATION.
3 ALL INDOOR BRANCH PIPING 1" AND SMALLER SHALL BE STEEL PIPE WITH MALLEABLE-IRON FITTINGS AND THREADED JOINTS AS OUTLINED IN SPECIFICATION.
4 ALL INDOOR DISTRIBUTION PIPING SHALL BE STEEL PIPE WITH MALLEABLE-IRON FITTINGS AND THREADED JOINTS OR WROUGHT-STEEL FITTING AND WELDED JOINTS AS OUTLINED IN SPECIFICATION.
5 SEE BELOW FOR PRODUCT SPECIFICATION:
A STEEL PIPE: ASTM A53/A53M, BLACK STEEL, SCHEDULE 40, TYPE E OR S, GRADE B
1 MALLEABLE-IRON THREADED FITTINGS: ASME B16.3, CLASS 150, STANDARD PATTERN.
2 WROUGHT-STEEL WELDING FITTINGS: ASTM A234/A234M FOR BUTT WELDING AND SOCKET WELDING.
3 UNIONS: ASME B16.39, CLASS 150, MALLEABLE IRON WITH BRASS-TO-IRON SEAT, GROUND JOINT, AND THREADED ENDS.
4 FORGED-STEEL FLANGES AND FLANGED FITTINGS: ASME B16.5, MINIMUM CLASS 150, INCLUDING BOLTS, NUTS, AND GASKETS OF THE FOLLOWING MATERIAL GROUP, END CONNECTIONS, AND FACINGS:
A MATERIAL GROUP: 1.1.
B END CONNECTIONS: THREADED OR BUTT WELDING TO MATCH PIPE.
C LAPPED FACE: NOT PERMITTED UNDERGROUND.
D GASKET MATERIALS: ASME B16.20, METALLIC, FLAT, ASBESTOS FREE, ALUMINUM O-RINGS, AND SPIRAL-WOUND METAL GASKETS.
E BOLTS AND NUTS: ASME B18.2.1, CARBON STEEL ABOVEGROUND AND STAINLESS STEEL UNDERGROUND.
5 PROTECTIVE COATING FOR UNDERGROUND PIPING: FACTORY-APPLIED, THREE-LAYER COATING OF EPOXY, ADHESIVE, AND PE.
A JOINT COVER KITS: EPOXY PAINT, ADHESIVE, AND HEAT-SHRINK PE SLEEVES.
B PE PIPE: ASTM D2513, SDR 11.
1 PE FITTINGS: ASTM D2683, SOCKET-FUSION TYPE OR ASTM D3261, BUTT-FUSION TYPE WITH DIMENSIONS MATCHING PE PIPE.
2 PE TRANSITION FITTINGS: FACTORY-FABRICATED FITTINGS WITH PE PIPE COMPLYING WITH ASTM D2513, SDR 11; AND STEEL PIPE COMPLYING WITH ASTM A53/A53M, SCHEDULE 40, TYPE E OR S, GRADE B, WITH CORROSION-PROTECTIVE COATING FOR ABOVEGROUND OUTLET.
3 TRANSITION SERVICE-LINE RISERS: FACTORY-FABRICATED AND LEAK TESTED.
A UNDERGROUND PORTION: PE PIPE COMPLYING WITH ASTM D2513, SDR 11 INLET CONNECTED TO STEEL PIPE COMPLYING WITH ASTM A53/A53M, SCHEDULE 40, TYPE E OR S, GRADE B, WITH CORROSION-PROTECTIVE COATING FOR ABOVEGROUND OUTLET.
B OUTLET IS THREADED OR FLANGED OR SUITABLE FOR WELDED CONNECTION.
C BRIDGING SLEEVE OVER MECHANICAL COUPLING.
D FACTORY-CONNECTED AND/ORE.
E TRACER WIRE CONNECTION.
F UV SHIELD.
G STAKE SUPPORTS WITH FACTORY FINISH TO MATCH STEEL PIPE CASING OR CARRIER PIPE.

2 Gas Riser



1 Partial Floor Plan
1/8" = 1'-0"



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www.bjarchitecture.com
FL Architecture Corporation AA20002280

SEAL:

PROJECT TITLE:

UU&PI - LBR Relocation Administration
& Workshop Building For
City of Tallahassee
1800 SARKIS AVE, Tallahassee, FL 32310

JOB NO.: 21.130

DESIGNED: FPH

DRAWN: FPH

CHECKED: MPP

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REVISIONS

NO.	DATE	DESCRIPTION
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2	12/16/25	Adendum 02

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DRAWING TITLE:

Floor Plan

SHEET NO.:

PG101

DATE:

October 03, 2025

