

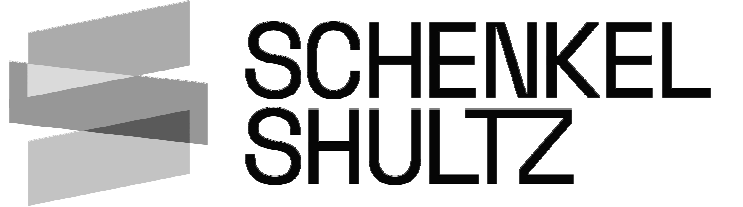


SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

**SANIBEL FIRE AND RESCUE
STATION 172**

PROJECT LOCATION:

5171 SANIBEL-CAPTIVA ROAD
SANIBEL, FLORIDA 33957



9510 Corkscrew Palms
Circle, Unit 1
Estero, FL 33928
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This item has been electronically signed and sealed by Jason Smith, PE on
01-05-2024 using a Digital Signature.
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signature must be verified on any electronic copies.

JASON L. SMITH, P.E.
4015 S. WILSON AVE.
MARIETTA, GA 30067
FL REG. NO. 180714

REVISIONS

MARK	DESCRIPTION	DATE

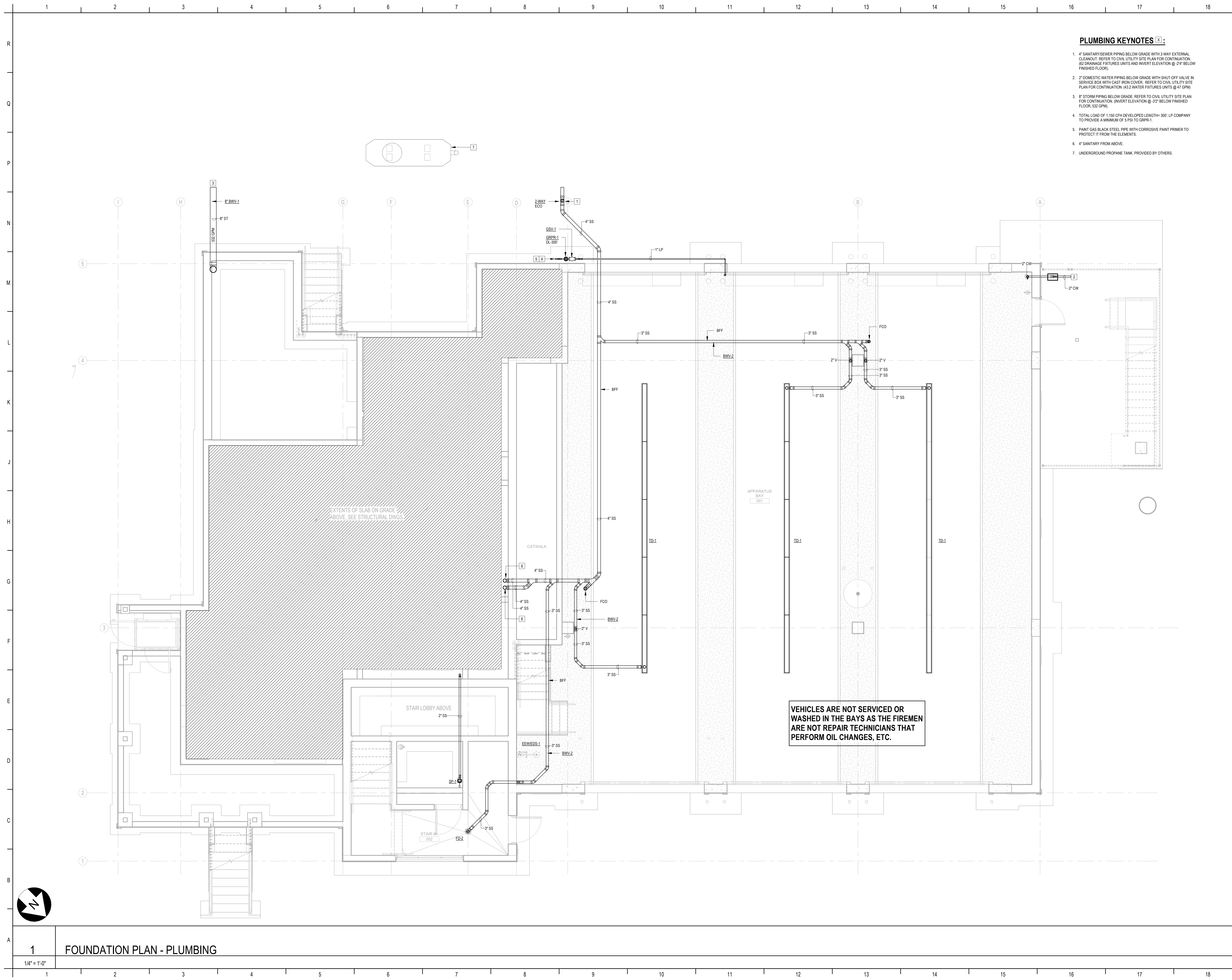
CODE REFERENCE	GENERAL NOTES	ABBREVIATIONS	SYMBOL LEGEND																																																																																																																																																																																																																																																																																																																																																																						
<ul style="list-style-type: none"> FLORIDA BUILDING CODE - PLUMBING - 8TH EDITION (2023) FLORIDA BUILDING CODE - FUEL GAS - 8TH EDITION (2023) FLORIDA BUILDING CODE - ACCESSIBILITY - 8TH EDITION (2023) FLORIDA BUILDING CODE - ENERGY CONSERVATION - 8TH EDITION (2023) 	<ol style="list-style-type: none"> EACH CONTRACTOR, PROPOSER, SUPPLIER AND/OR MANUFACTURER SHALL REFER TO ALL DOCUMENTS PERTAINING TO THIS PROJECT AND COORDINATE ACCORDINGLY SO AS TO INSURE ADEQUACY OF FIT, COMPLIANCE WITH SPECIFICATIONS, PROPER VOLTAGE AND CURRENT CHARACTERISTICS TO AVOID CONFLICTS WITH ANY OTHER BUILDINGS SYSTEMS. VERIFY SAME WITH SHOP DRAWINGS. INSTALL NO PIPING, CONDUIT, DUCTWORK, ETC. IN A LOCATION OR IN A MANNER WHICH WILL ALLOW FREEZING AND THE COLLECTION OF CONDENSATION THEREON. IF IN DOUBT, CONTACT THE ARCHITECT. ADVISE ARCHITECT OF ANY CONFLICTS, ERRORS, OMISSIONS, ETC., AT LEAST TEN DAYS PRIOR TO BID DATE. TO ALLOW CLARIFICATIONS BY WRITTEN ADDENDUM. DEVIATIONS FROM SPECIFICATIONS OR PLANS REQUIRES PRIOR WRITTEN APPROVAL FROM THE ARCHITECT AND MUST BE SUBMITTED IN WRITING NO LATER THAN TEN DAYS PRIOR TO THE BID DATE. OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS THAT MAY APPLY TO THE WORK UNDER THIS CONTRACT. (CITY, COUNTY, LOCAL, STATE, FEDERAL, MUNICIPALITY, UTILITY COMPANY, OSHA, ETC.) INSTALL EQUIPMENT, MATERIALS, ETC., IN STRICT ACCORD WITH MANUFACTURERS' RECOMMENDATIONS AND DIRECTIONS. IF IN CONFLICT WITH THE DESIGN INTENT IN CONTRACT DOCUMENTS, ADVISE THE ARCHITECT PRIOR TO INSTALLATION FOR CLARIFICATIONS. ALL SYSTEMS, EQUIPMENT, AND MATERIALS ARE TO BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. WORK NOT MEETING THIS CRITERION SHALL BE REMOVED AND REINSTALLED SATISFACTORILY. FINAL DETERMINATION OF THE ACCEPTABILITY OF THE QUALITY OF WORK RESIDES WITH THE ARCHITECT. ALL WORK, MATERIALS, EQUIPMENT, ETC. SHALL BE FULLY GUARANTEED FOR ONE FULL CALENDAR YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION AS DOCUMENTED BY THE ARCHITECT, UNLESS LONGER WARRANTY PERIODS FOR EQUIPMENT ARE SPECIFIED. UNLESS OTHERWISE SPECIFIED OR INDICATED, ALL EQUIPMENT AND/OR MATERIALS WITHIN OCCUPIED SPACES OR EXPOSED TO VIEW ON THE BUILDING EXTERIOR SHALL BE PRIMED AND FINISHED SO AS TO COMPLEMENT ADJACENT SURFACE, UNLESS OTHERWISE NOTED. COORDINATE WORK WITH ARCHITECT. ALL ELECTRICAL COMPONENTS OR EQUIPMENT SHALL BE LABELED BY UNDERWRITERS LABORATORIES OR OTHER APPROVED LISTING AGENCY. APPROVED AND LABELING OF INDIVIDUAL COMPONENTS OF AN ASSEMBLY IS NOT ACCEPTABLE AS MEETING THIS REQUIREMENT, UNLESS WAIVED BY THE ARCHITECT IN WRITING. ALL CONTRACTORS SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO INSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE OR SUB-SERVICE FOR SAFETY PURPOSES. PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRIC LINES. VERIFY THE LOCATION, SIZE, TYPE, ETC. OF EACH UNDERGROUND OR OVERHEAD UTILITY. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL FEDERAL, STATE AND/OR LOCAL RULES, REGULATIONS, STANDARDS AND SAFETY REQUIREMENTS. UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENTS SHALL APPLY. ALL SUPPORTS FOR EQUIPMENT, DEVICES OR FIXTURES SHALL BE UNIQUE. SUPPORT FROM THE BUILDING STRUCTURE. DO NOT SUPPORT WORK FROM OTHER TRADES, EQUIPMENT OR SUPPORTS WITHOUT WRITTEN PERMISSION FROM THE ARCHITECT AND CONSENT OF THE OTHER TRADE, IN WRITING. WHERE INTERRUPTING AN EXISTING UTILITY OR SERVICE DELIBERATELY OR ACCIDENTALLY THE RESPONSIBLE CONTRACTOR SHALL WORK CONTINUOUSLY AS NEEDED TO RESTORE SAME PROVIDING PREMIUM TIME AS NEEDED. WHERE PENETRATING NEW ROOFING MEMBRANE OR OTHER MATERIALS USED FOR WEATHERPROOFING THE BUILDING, MAKE SUCH PENETRATION IN A WAY THAT WILL NOT VOID OR DIMINISH THE ROOFING WARRANTY OR INTEGRITY IN ANYWAY. COORDINATE ALL SUCH PENETRATIONS WITH THE ROOFING INSTALLER/ARCHITECT. THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY COMPANY FEES, CASH CONTRIBUTIONS OR OTHER COSTS THAT THE UTILITY COMPANY MAY REQUIRE TO COMPLETE THEIR WORK. (ELECTRIC, TELEPHONE, TELEVISION, ETC.) DEVIATIONS IN SIZE, CAPACITIES, FIT, FINISH, ETC. FOR EQUIPMENT FROM THAT PRIME SPECIFIED SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT. ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ARCHITECT OR NOT SHALL BE THE RESPONSIBILITY OF THE PURCHASER. INTERRUPTION OF ANY EXISTING SERVICES SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR, UTILITY COMPANY, ARCHITECT, AND OWNER AS NECESSARY. WITH AT LEAST ONE WEEK IN ADVANCE OF ANTICIPATED INTERRUPTION A SCHEDULE FOR THESE OUTAGES SHALL BE DEVELOPED AND AGREED UPON BETWEEN PARTIES MENTIONED. TO AVOID UNNECESSARY INCONVENIENCE TO THE OWNER OR ANY AFFECTED PARTY, NOTIFY THE UTILITY COMPANY OF ANY ANTICIPATED SERVICES REQUIRED TWO WEEKS IN ADVANCE, IN WRITING. IF UTILITY COMPANY REQUIRES A LONGER NOTIFICATION PERIOD, SO PROVIDE. ALL WORK SHALL BE CONCEALED UNLESS SPECIFICALLY INDICATED TO BE EXPOSED, OR REQUIRED TO BE EXPOSED. IF IN DOUBT, CONTACT THE ARCHITECT FOR CLARIFICATION PRIOR TO INSTALLING ANY SUCH WORK. DO NOT SCALE FROM DRAWINGS, AS PRINTING DISTORTS SCALE. WORK SHALL BE LAD OUT FROM DIMENSIONED DRAWINGS, OR DIMENSIONED SUPPLIED TO THE CONTRACTOR. IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK DETAILS AND SECTIONS ARE INCLUDED FOR SOME AREAS TO SHOW INTENDED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS, AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTING CONFLICTS BETWEEN THE WORK OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCE AND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL. ALL WORK SHOWN ON DRAWINGS (EQUIPMENT, DUCTWORK, PIPING FIXTURES, RACEWAYS, WIRING, ETC.) ARE NEW, TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS NOTED OTHERWISE. ALL PIPING SHALL BE INSTALLED AS HIGH AS POSSIBLE. COORDINATION WITH ALL TRADES WILL BE REQUIRED. REFER TO DOMESTIC WATER RISER DIAGRAM FOR LOCATIONS OF ALL VALVES AND ACCESSORIES TO BE INSTALLED. WATER HAMMER ARRESTORS, TRAP PRIMERS, VALVES, ETC. SHALL BE ACCESSIBLE. PROVIDE ACCESS PANELS WHERE ANY ITEM IS INSTALLED IN AN INACCESSIBLE SPACE. INSULATE HOT WATER PIPING IN ACCORDANCE WITH FLORIDA ENERGY EFFICIENCY CODE. METALLIC PIPING SHALL BE INSTALLED IN FIRE RATED WALL. (TYPICAL) SEAL ALL PIPING PENETRATIONS WITH NON-SHRINK MASTIC. DOMESTIC WATER PIPING WITHIN 5 FEET OF THE BUILDING SEWER/RAIN PIPING IS TO BE A MINIMUM OF 12 INCHES ABOVE THE HIGHEST POINT OF THE BUILDING SEWER/RAIN PIPING AND THE PIPE MATERIALS MUST CONFORM TO THE FLORIDA BUILDING CODE 2023 - PLUMBING. PLUMBING CONTRACTOR SHALL COORDINATE UNDERGROUND PIPING WITH BUILDING FOUNDATION. WHERE PIPING PENETRATES FOOTING, REFER TO STRUCTURAL DRAWINGS FOR SLEEVING METHODS. WHERE INVERT ELEVATIONS ARE HIGHER ON PLUMBING DRAWINGS, PLUMBING CONTRACTOR SHALL INSTALL PIPING AS PER THE PLUMBING CONTRACT DRAWINGS AND PROVIDE A 4" DROP TO MEET THE CIVIL ENGINEERS POINT OF CONNECTION. IF ANY CONFLICTS ARISE WHERE CIVIL ENGINEERS POINT OF CONNECTIONS ARE SHALLOWER THAN ON THE PLUMBING CONTRACT DOCUMENTS, PLUMBING CONTRACTOR SHALL CONTACT THE ARCHITECT/ENGINEER. SUPPLY AND TRAP WRAPS SHALL BE PROVIDED AT ADA LAVATORIES AND SINKS WHERE PIPING IS EXPOSED. WHERE PIPING IS NEAR ROOF ACCESS HATCH CONTRACTOR SHALL ROUTE ALL PIPING TO CLEAR ALL LADDERS AND OPENINGS. COORDINATE VENT THRU ROOF WITH ALL EQUIPMENT. WHERE PIPING IS WITHIN 10" OF EQUIPMENT, LOUVERS ETC. VENT THRU ROOF SHALL BE MOVED TO MAINTAIN A 10" CLEARANCE OF OUTSIDE AIR OPENING. P-TRAPS INSTALLED ON ALL FLOOR DRAINS SHALL BE DEEP SEAL TRAPS. PROVIDE ROUGH-IN AND FINAL CONNECTIONS FOR ALL PLUMBING UTILITIES AND SERVICES FOR EQUIPMENT PROVIDED BY OTHERS. WATER HAMMER TO BE INSTALLED IN ALL QUICK CLOSING FIXTURES. WHEN NONMETALLIC PIPE IS USED IN COMBINATION SYSTEMS UTILIZING STEEL PIPING INTERNALLY COATED WITH CORROSION INHIBITORS AND NONMETALLIC PIPING, THE STEEL PIPE COATING SHALL BE INVESTIGATED FOR COMPATIBILITY WITH THE NONMETALLIC PIPING BY A TESTING LABORATORY. WHEN FABRICATING STEEL PIPE FOR A COMBINATION (CPVC-STEEL) SYSTEM, THE CUTTING OILS AND LUBRICANTS CAN CAUSE PERFORMANCE DEGRADATION OF THE CPVC PIPING. CUTTING OILS AND LUBRICANTS FOUND TO BE COMPATIBLE ARE AVAILABLE AND SHALL BE USED. WHEN NONMETALLIC PIPE IS USED IN COMBINATION SYSTEMS UTILIZING STEEL PIPE THAT IS NOT INTERNALLY COATED WITH CHEMICAL CORROSION INHIBITORS, NO ADDITIONAL EVALUATIONS SHALL BE REQUIRED. WHEN NONMETALLIC PIPE IS USED IN COMBINATION SYSTEMS UTILIZING STEEL PIPE, CUTTING OILS AND LUBRICANTS USED FOR FABRICATION OF THE STEEL PIPING SHALL BE COMPATIBLE WITH THE NONMETALLIC PIPE MATERIALS. FIRE-STOPPING MATERIALS INTENDED FOR USE ON NONMETALLIC PIPING PENETRATIONS SHALL BE INVESTIGATED FOR COMPATIBILITY WITH THE NONMETALLIC PIPE MATERIALS. ALL CPVC PIPING, FITTINGS AND SOLVENTS SHALL BE FROM A SINGLE MANUFACTURERS. MIXING OF MANUFACTURERS IS NOT ALLOWED OR PERMITTED. CPVC PIPING INSTALLATION SHALL BE IN CONFORMANCE WITH MANUFACTURERS SPECIFICATIONS AND GUIDELINES. PROVIDE IDENTIFICATION (LABELING) FOR DOMESTIC ACCESSORIES HIDDEN ABOVE, BEHIND CEILING TILES AND ACCESS PANELS. 	<table> <tr> <td>AMP</td> <td>AMPERES</td> <td>GA</td> <td>GAUGE</td> </tr> <tr> <td>AC</td> <td>AIR CONDITIONING</td> <td>GAL</td> <td>GALLONS</td> </tr> <tr> <td>ACU</td> <td>AIR CONDITIONING UNIT</td> <td>GPH</td> <td>GALLONS PER HOUR</td> </tr> <tr> <td>AD</td> <td>ACCESS DOOR</td> <td>GPM</td> <td>GALLONS PER MINUTE</td> </tr> <tr> <td>AFF</td> <td>ABOVE FINISHED FLOOR</td> <td>GO</td> <td>GAS OUTLET</td> </tr> <tr> <td>AHU</td> <td>AIR HANDLING UNIT</td> <td>GR</td> <td>GREASE WASTE LINE</td> </tr> <tr> <td>APPROX</td> <td>APPROXIMATELY</td> <td>GW</td> <td>GAS WATER HEATER</td> </tr> <tr> <td>AP</td> <td>ACCESS PANEL</td> <td>H2O</td> <td>WATER</td> </tr> <tr> <td>ARCH</td> <td>ARCHITECTURAL</td> <td>HB</td> <td>HOSE BIBB</td> </tr> <tr> <td>AUTO</td> <td>AUTOMATIC</td> <td>HP</td> <td>HORSEPOWER</td> </tr> <tr> <td>AUX</td> <td>AUXILIARY</td> <td>HR</td> <td>HOUR</td> </tr> <tr> <td>BFF</td> <td>BELOW FINISHED FLOOR</td> <td>HW</td> <td>DOMESTIC HOT WATER</td> </tr> <tr> <td>BLDG</td> <td>BUILDING</td> <td>HWR</td> <td>DOMESTIC HOT WATER RETURN</td> </tr> <tr> <td>BTU</td> <td>BRITISH THERMAL UNIT</td> <td>HZ</td> <td>FREQUENCY</td> </tr> <tr> <td>BTUH</td> <td>BRITISH THERMAL UNITS PER HOUR</td> <td>IN</td> <td>INCH OR INCHES</td> </tr> <tr> <td>BWV</td> <td>BACK WATER VALVE</td> <td>INSUL</td> <td>INSULATION</td> </tr> <tr> <td>CD</td> <td>CONDENSATE DRAIN</td> <td>IPS</td> <td>IRON PIPE SIZE</td> </tr> <tr> <td>CFM</td> <td>CUBIC FEET PER MINUTE</td> <td>IWH</td> <td>INSTANTANEOUS WATER HEATER</td> </tr> <tr> <td>CLG</td> <td>CEILING</td> <td>KW</td> <td>KILOWATT</td> </tr> <tr> <td>CO</td> <td>CLEAN-OUT</td> <td>L</td> <td>LAVATORY</td> </tr> <tr> <td>COMB</td> <td>COMBINATION</td> <td>LSB</td> <td>POUNDS</td> </tr> <tr> <td>COMPR</td> <td>COMPRESSOR</td> <td>LP</td> <td>LIQUID PROPANE FUEL</td> </tr> <tr> <td>COND</td> <td>CONDENSATE OR CONDENSER</td> <td>LT</td> <td>LENGTH</td> </tr> <tr> <td>CONT</td> <td>CONTINUATION</td> <td>MAX</td> <td>MAXIMUM</td> </tr> <tr> <td>CMU</td> <td>CONCRETE MASONRY UNIT</td> <td>MB</td> <td>MIXING BOX</td> </tr> <tr> <td>CU FT</td> <td>CUBIC FEET</td> <td>MBH</td> <td>THOUSANDS, BTUH</td> </tr> <tr> <td>CW</td> <td>DOMESTIC COLD WATER</td> <td>MC</td> <td>MECHANICAL CONTRACTOR</td> </tr> <tr> <td>D</td> <td>DRAIN LINE</td> <td>MECH</td> <td>MECHANICAL</td> </tr> <tr> <td>DF</td> <td>DRINKING FOUNTAIN</td> <td>MIN</td> <td>MINIMUM</td> </tr> <tr> <td>DIA</td> <td>DIAMETER</td> <td>MS</td> <td>MOP SINK</td> </tr> <tr> <td>DN</td> <td>DOWN</td> <td>NC</td> <td>NORMALLY CLOSED</td> </tr> <tr> <td>DWG</td> <td>DRAWING</td> <td>NC</td> <td>NOT IN CONTRACT</td> </tr> <tr> <td>DX</td> <td>DIRECT EXPANSION</td> <td>NO</td> <td>NORMALLY OPEN</td> </tr> <tr> <td>ECO</td> <td>EXTERIOR CLEANOUT</td> <td>OD</td> <td>OUTSIDE DIAMETER</td> </tr> <tr> <td>EWC</td> <td>ELECTRIC WATER COOLER</td> <td>PSI</td> <td>POUNDS PER SQUARE INCH</td> </tr> <tr> <td>EW</td> <td>ELECTRIC WATER HEATER</td> <td>PVC</td> <td>POLYVINYL CHLORIDE</td> </tr> <tr> <td>EL</td> <td>ELEVATION</td> <td>R</td> <td>RISE</td> </tr> <tr> <td>ELEC</td> <td>ELECTRIC</td> <td>RPC</td> <td>RECIRCULATING PUMP (HWR)</td> </tr> <tr> <td>EQ</td> <td>EQUAL</td> <td>RM</td> <td>ROOM</td> </tr> <tr> <td>EXP</td> <td>EXPANSION</td> <td>RPB</td> <td>REVOLUTIONS PER MINUTE</td> </tr> <tr> <td>EEW</td> <td>EYE WASH/SHOWER</td> <td>RV</td> <td>RELIEF VALVE</td> </tr> <tr> <td>"F</td> <td>DEGREES FAHRENHEIT</td> <td>S</td> <td>KITCHEN SINK (DOMESTIC)</td> </tr> <tr> <td>FC</td> <td>FLEXIBLE CONNECTION</td> <td>SAN</td> <td>SANITARY</td> </tr> <tr> <td>FCO</td> <td>FLOOR CLEANOUT</td> <td>SAJ</td> <td>SOUND ATTENUATION UNIT</td> </tr> <tr> <td>FD</td> <td>FLOOR DRAIN</td> <td>SCW</td> <td>SOFT COLD WATER</td> </tr> <tr> <td>FG</td> <td>FINISHED GRADE</td> <td>SH</td> <td>SHOWER</td> </tr> <tr> <td>FPS</td> <td>FEET PER SECOND</td> <td>SMH</td> <td>STORM MANHOLE</td> </tr> <tr> <td>FS</td> <td>FLOOR SINK</td> <td>SPEC</td> <td>SPECIFICATION</td> </tr> <tr> <td>G</td> <td>GAS (LP)</td> <td>ST</td> <td>STORM</td> </tr> <tr> <td></td> <td></td> <td>TD</td> <td>TOTAL DYNAMIC HEAD</td> </tr> <tr> <td></td> <td></td> <td>TDH</td> <td>TOTAL DYNAMIC HEAD</td> </tr> <tr> <td></td> <td></td> <td>TEMP</td> <td>TEMPERATURE</td> </tr> <tr> <td></td> <td></td> <td>TMV</td> <td>THERMOSTATIC MIXING VALVE</td> </tr> <tr> <td></td> <td></td> <td>TYP</td> <td>TYPICAL</td> </tr> <tr> <td></td> <td></td> <td>V</td> <td>VENT LINE</td> </tr> <tr> <td></td> <td></td> <td>VLV</td> <td>VALVE</td> </tr> <tr> <td></td> <td></td> <td>VTR</td> <td>VENT THRU ROOF</td> </tr> <tr> <td></td> <td></td> <td>W</td> <td>WITH</td> </tr> <tr> <td></td> <td></td> <td>WC</td> <td>WATER CLOSET</td> </tr> <tr> <td></td> <td></td> <td>WC</td> <td>WATER COLUMN</td> </tr> <tr> <td></td> <td></td> <td>WCO</td> <td>WALL CLEANOUT</td> 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VALVE	INSUL	INSULATION	CD	CONDENSATE DRAIN	IPS	IRON PIPE SIZE	CFM	CUBIC FEET PER MINUTE	IWH	INSTANTANEOUS WATER HEATER	CLG	CEILING	KW	KILOWATT	CO	CLEAN-OUT	L	LAVATORY	COMB	COMBINATION	LSB	POUNDS	COMPR	COMPRESSOR	LP	LIQUID PROPANE FUEL	COND	CONDENSATE OR CONDENSER	LT	LENGTH	CONT	CONTINUATION	MAX	MAXIMUM	CMU	CONCRETE MASONRY UNIT	MB	MIXING BOX	CU FT	CUBIC FEET	MBH	THOUSANDS, BTUH	CW	DOMESTIC COLD WATER	MC	MECHANICAL CONTRACTOR	D	DRAIN LINE	MECH	MECHANICAL	DF	DRINKING FOUNTAIN	MIN	MINIMUM	DIA	DIAMETER	MS	MOP SINK	DN	DOWN	NC	NORMALLY CLOSED	DWG	DRAWING	NC	NOT IN CONTRACT	DX	DIRECT EXPANSION	NO	NORMALLY OPEN	ECO	EXTERIOR CLEANOUT	OD	OUTSIDE DIAMETER	EWC	ELECTRIC WATER COOLER	PSI	POUNDS PER SQUARE INCH	EW	ELECTRIC WATER HEATER	PVC	POLYVINYL CHLORIDE	EL	ELEVATION	R	RISE	ELEC	ELECTRIC	RPC	RECIRCULATING PUMP (HWR)	EQ	EQUAL	RM	ROOM	EXP	EXPANSION	RPB	REVOLUTIONS PER MINUTE	EEW	EYE WASH/SHOWER	RV	RELIEF VALVE	"F	DEGREES FAHRENHEIT	S	KITCHEN SINK (DOMESTIC)	FC	FLEXIBLE CONNECTION	SAN	SANITARY	FCO	FLOOR CLEANOUT	SAJ	SOUND ATTENUATION UNIT	FD	FLOOR DRAIN	SCW	SOFT COLD WATER	FG	FINISHED GRADE	SH	SHOWER	FPS	FEET PER SECOND	SMH	STORM MANHOLE	FS	FLOOR SINK	SPEC	SPECIFICATION	G	GAS (LP)	ST	STORM			TD	TOTAL DYNAMIC HEAD			TDH	TOTAL DYNAMIC HEAD			TEMP	TEMPERATURE			TMV	THERMOSTATIC MIXING VALVE			TYP	TYPICAL			V	VENT LINE			VLV	VALVE			VTR	VENT THRU ROOF			W	WITH			WC	WATER CLOSET			WC	WATER COLUMN			WCO	WALL CLEANOUT			WG	WATER GAUGE			WH	WALL HYDRANT			WMS	WIRE MESH SCREEN			WO	WITHOUT			WB	SUPPLY BOX (CLOTHES WASHER)			RD	ROOF DRAIN	<table> <tr> <td></td> <td>PIPE SECTION - SUPPLY</td> </tr> <tr> <td></td> <td>PIPE SECTION - RETURN</td> </tr> <tr> <td></td> <td>DIRECTION OF FLOW IN PIPE</td> </tr> <tr> <td></td> <td>PIPE UP</td> </tr> <tr> <td></td> <td>PIPE DOWN</td> </tr> <tr> <td></td> <td>BALL VALVE</td> </tr> <tr> <td></td> <td>CHECK VALVE</td> </tr> <tr> <td></td> <td>GATE VALVE</td> </tr> <tr> <td></td> <td>GLOBE VALVE</td> </tr> <tr> <td></td> 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**GENERAL NOTES,
ABBREVIATIONS AND
SYMBOL LEGEND -
PLUMBING**

P001

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PLUMBING KEYNOTES

1. 4" SANITARY SEWER PIPING BELOW GRADE WITH 2-WAY EXTERNAL CLEANOUT. REFER TO CIVIL UTILITY SITE PLAN FOR CONTINUATION. (SEE DRAINAGE FIXTURES UNITS AND INVERT ELEVATION @ -2' BELOW FINISHED FLOOR).
2. 2" DOMESTIC WATER PIPING BELOW GRADE WITH SHUT-OFF VALVE IN SERVICE BOX WITH CAST IRON COVER. REFER TO CIVIL UTILITY SITE PLAN FOR CONTINUATION. (43.2 WATER FIXTURES UNITS @ 47 GPM)
3. 8" STORM PIPING BELOW GRADE. REFER TO CIVIL UTILITY SITE PLAN FOR CONTINUATION. (INVERT ELEVATION @ -3'2" BELOW FINISHED FLOOR, S32 GPM).
4. TOTAL LOAD OF 1,150 CFH DEVELOPED LENGTH= 300'. LP COMPANY TO PROVIDE A MINIMUM OF 5 PSI TO GRPR-1.
5. PAINT GAS BLACK STEEL PIPE WITH CORROSIVE PAINT PRIMER TO PROTECT IT FROM THE ELEMENTS.
6. 4" SANITARY FROM ABOVE.
7. UNDERGROUND PROPANE TANK. PROVIDED BY OTHERS.



SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

**SANIBEL FIRE AND RESCUE
STATION 172**

PROJECT LOCATION:

5171 SANIBEL-CAPTIVA ROAD
SANIBEL, FLORIDA 33957



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JASON L. SMITH, P.E.
#01676 (SUNSHINE STATE)
#00000000 (FLORIDA)
FL REG. NO. 1007814

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**FOUNDATION FLOOR PLAN -
GRAVITY - PLUMBING**

P100

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1 FOUNDATION PLAN - PLUMBING

1/4" = 1'-0"



SANIBEL FIRE & RESCUE DISTRICT
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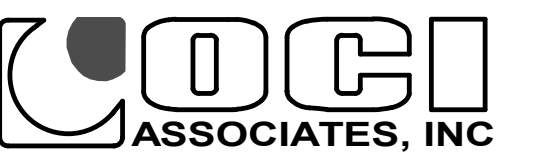
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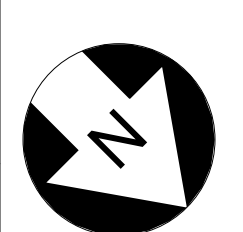
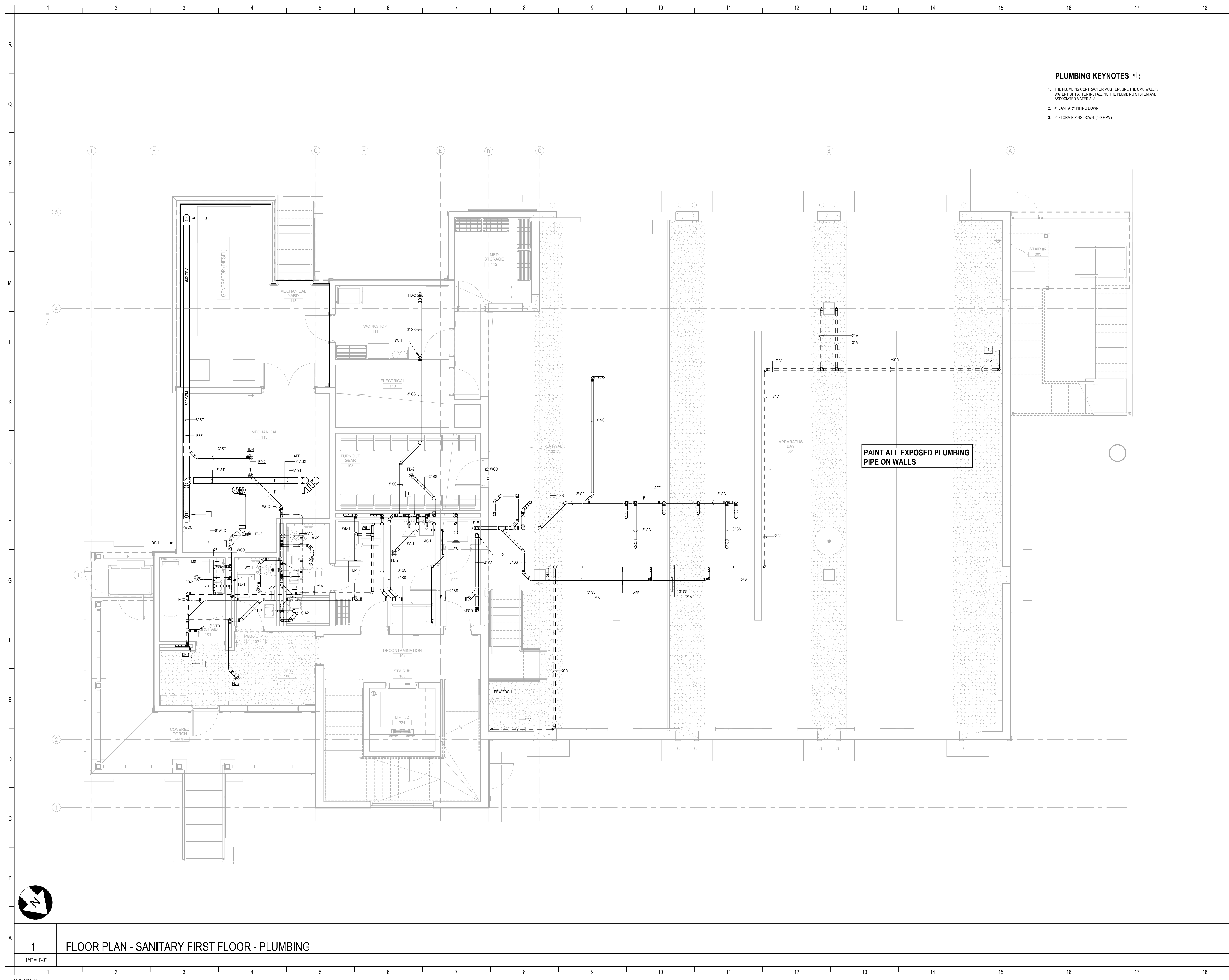
JASON L. SMITH, P.E.
#01616-SANIBEL-AGE
SANIBEL, FL 33957
FL REG. NO. 182734

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PLUMBING KEYNOTES

1. THE PLUMBING CONTRACTOR MUST ENSURE THE CMU WALL IS WATER-TIGHT AFTER INSTALLING THE PLUMBING SYSTEM AND ASSOCIATED MATERIALS.
2. 4" SANITARY PIPING DOWN.
3. 8" STORM PIPING DOWN. (532 GPM).



1 FLOOR PLAN - SANITARY FIRST FLOOR - PLUMBING
1/4" = 1'-0"

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**FLOOR PLAN - FIRST FLOOR
- GRAVITY- PLUMBING**

P101-A
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**SANIBEL FIRE AND RESCUE
STATION 172**

PROJECT LOCATION:

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#016-000000-AGE
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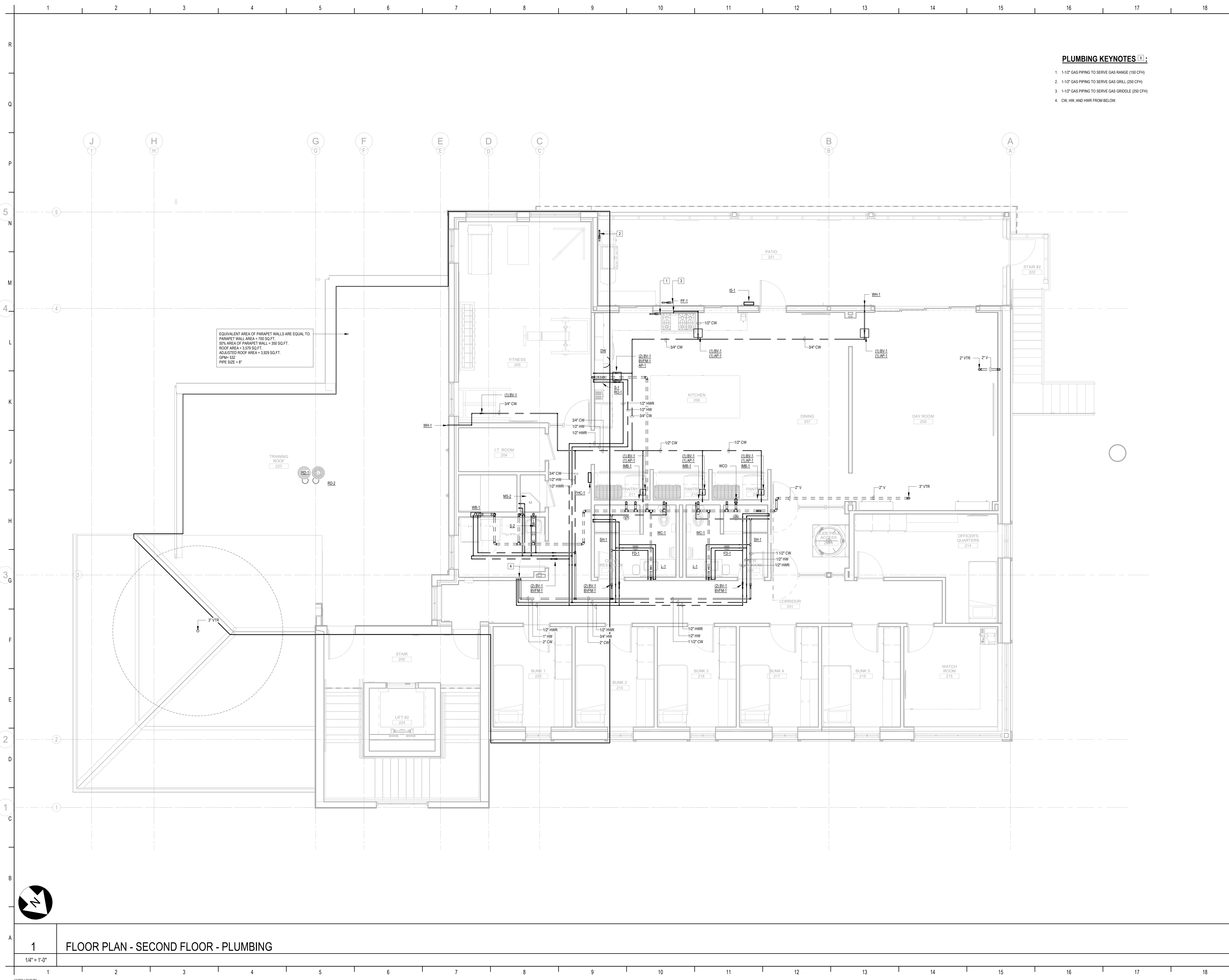
MARK	DESCRIPTION	DATE

PLUMBING KEYNOTES

- 1-1/2" GAS PIPING TO SERVE GAS RANGE (150 CFH)
- 1-1/2" GAS PIPING TO SERVE GAS GRILL (250 CFH)
- 1-1/2" GAS PIPING TO SERVE GAS GRIDDLE (250 CFH)
- CW, HW, AND HWR FROM BELOW.

EQUIVALENT AREA OF PARAPET WALLS ARE EQUAL TO:
PARAPET WALL AREA = 700 SQ.FT.
50% AREA OF PARAPET WALL = 350 SQ.FT.
ROOF AREA = 3,579 SQ.FT.
ADJUSTED ROOF AREA = 3,929 SQ.FT.
GPM = 152
PIPE SIZE = 8"

TRAINING
ROOF
229



1 FLOOR PLAN - SECOND FLOOR - PLUMBING

1/4" = 1'-0"

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FLOOR PLAN - SECOND
FLOOR - PLUMBING

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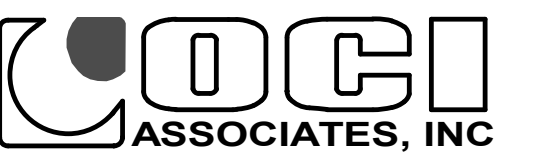
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STATION 172**

PROJECT LOCATION:

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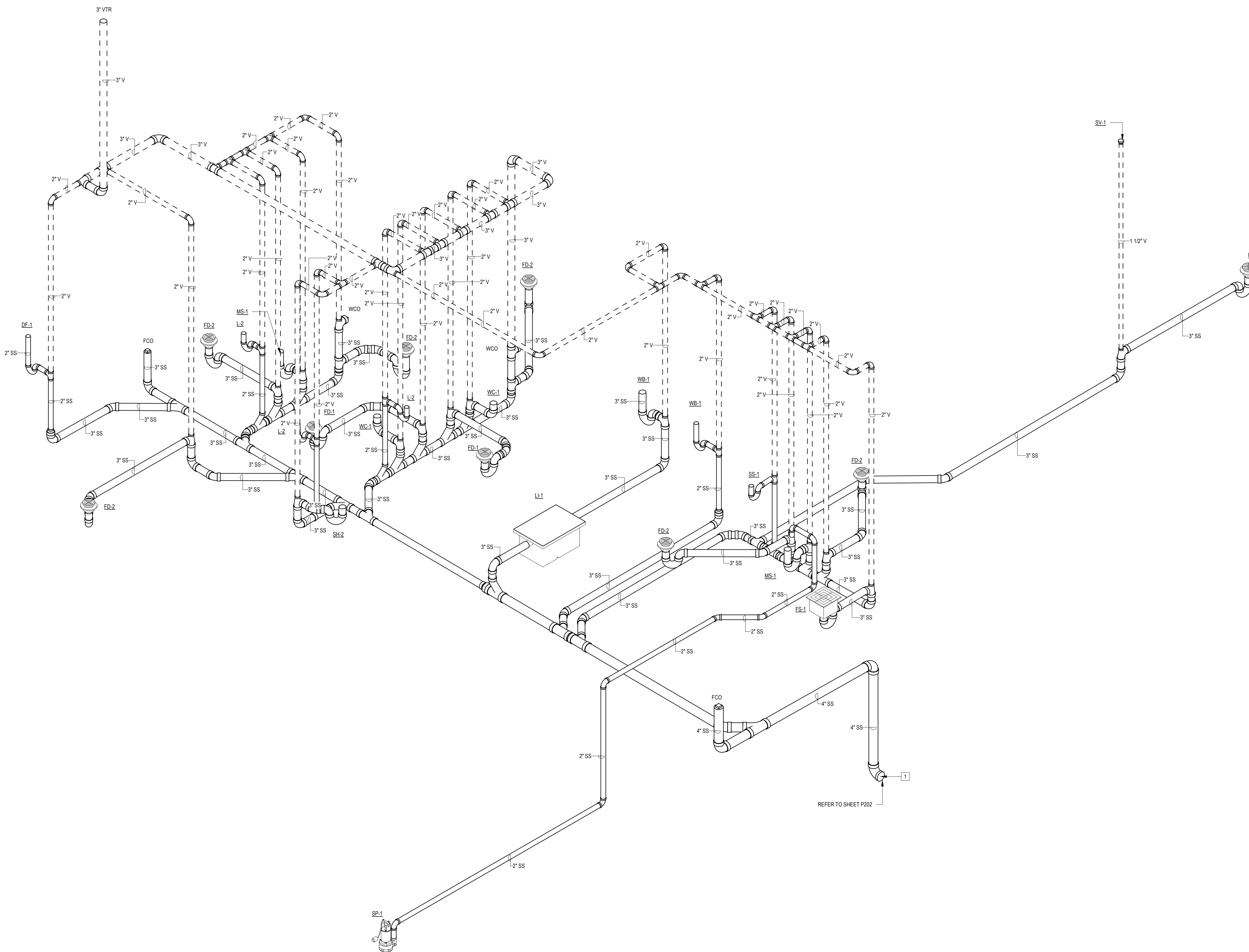
**SANITARY RISER DIAGRAM -
PLUMBING**

P201

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PLUMBING KEYNOTES [X]:

1. REFER TO PLUMBING SHEET P202 FOR
CONTINUATION.



1 SANITARY RISER DIAGRAM



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**SANIBEL FIRE AND RESCUE
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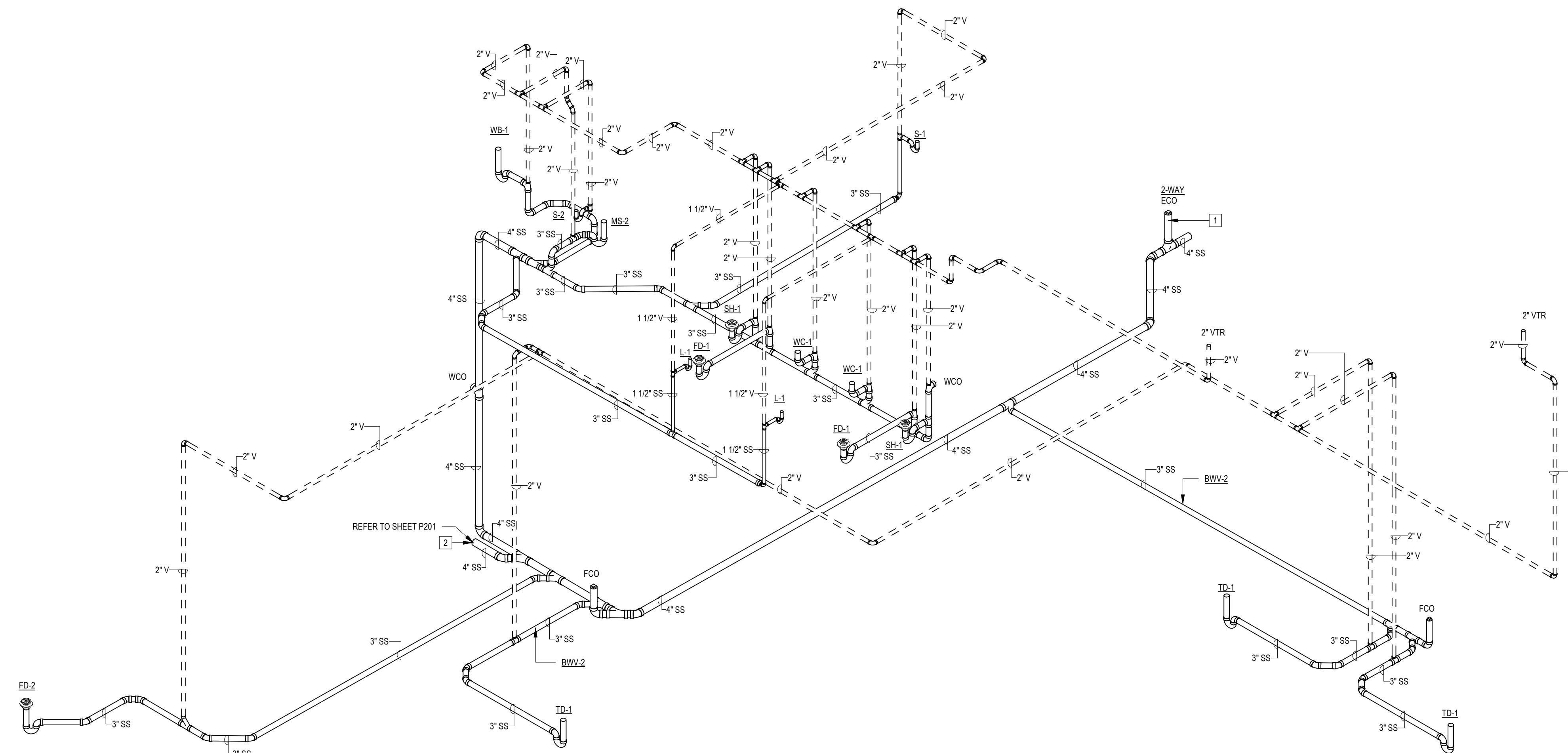


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6815 SILVERADO AVE.
MARIETTA, GA 30067
PL. REG. NO. 1007374

REVISIONS

MARK	DESCRIPTION	DATE



PLUMBING KEYNOTES

- 4" SANITARY SEWER PIPING BELOW GRADE WITH 2-WAY EXTERNAL CLEANOUT. REFER TO CIVIL UTILITY SITE PLAN FOR CONTINUATION. (62 DRAINAGE FIXTURES UNITS AND INVERT ELEVATION @ 2'4" BELOW FINISHED FLOOR).
- REFER TO PLUMBING SHEET P201 FOR CONTINUATION.

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**SANITARY RISER DIAGRAM -
PLUMBING**

P202

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SANIBEL FIRE AND RESCUE STATION 172

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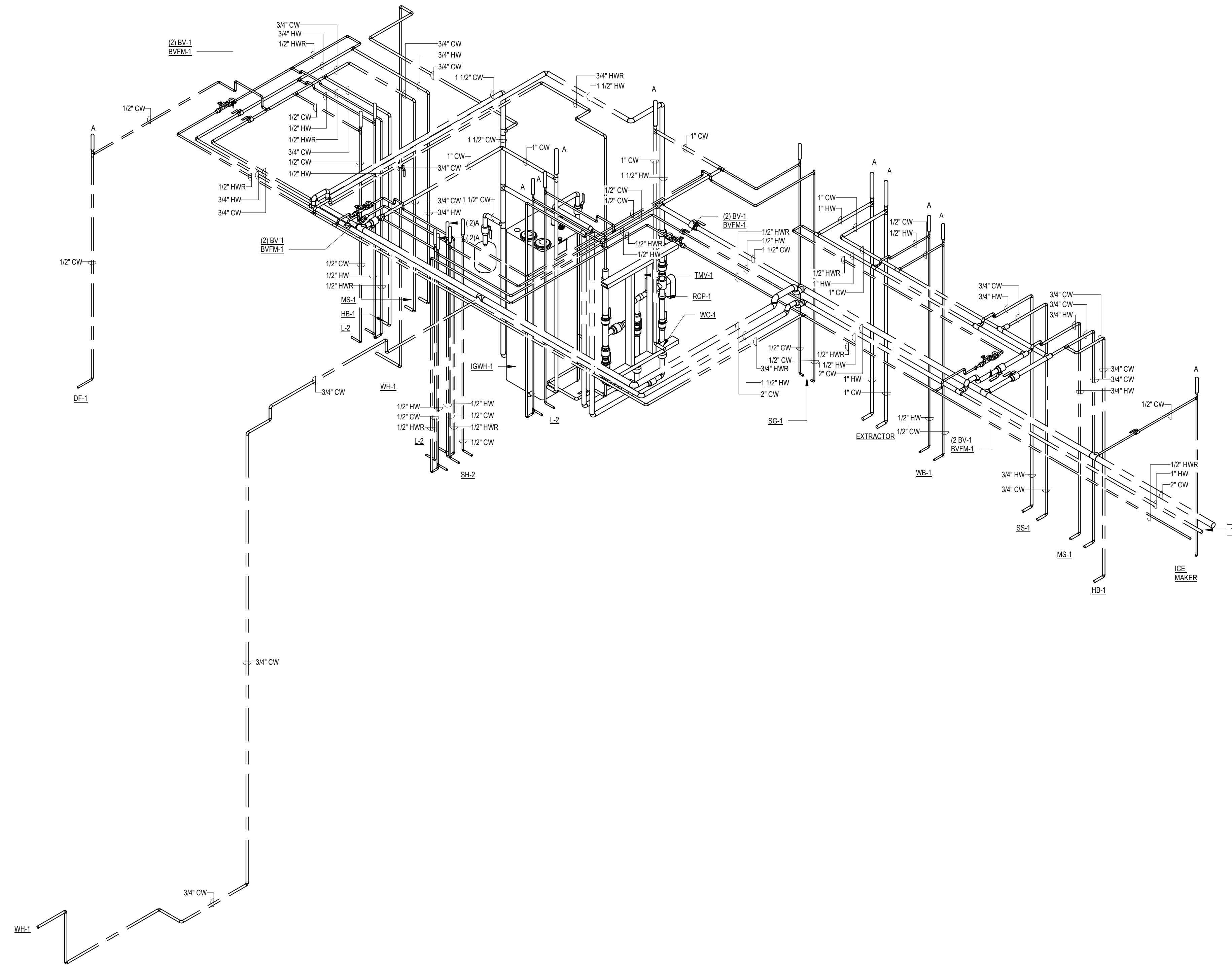
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4010 S. MILITARY AVE.
SARASOTA, FL 34231
FL REG. NO. 182781A

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PLUMBING KEYNOTES [X] :

1. REFER TO PLUMBING SHEET P204 FOR CONTINUATION.



1 DOMESTIC WATER RISER DIAGRAM

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DOMESTIC WATER RISER DIAGRAM - PLUMBING

P203

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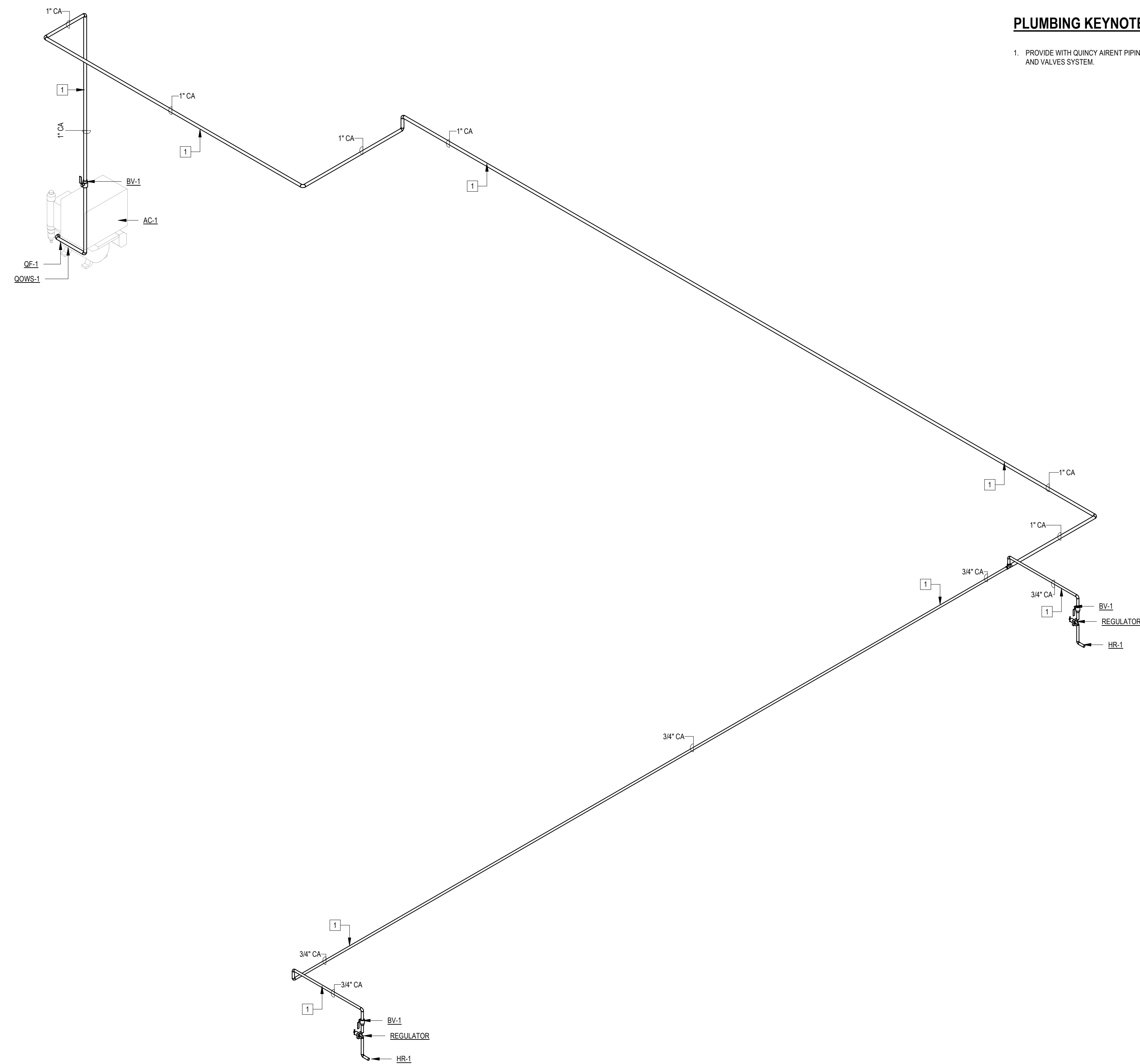
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Miami, FL 33155
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COMPRESSED AIR RISER DIAGRAM - PLUMBING



PLUMBING KEYNOTES [X]:

1. PROVIDE WITH QUINCY AERENT PIPING, FITTING, AND VALVES SYSTEM.

1 COMPRESSED AIR RISER DIAGRAM - PLUMBING



SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

**SANIBEL FIRE AND RESCUE
STATION 172**

PROJECT LOCATION:

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#016 (SUNSHINE STATE)
#000000000 (FLORIDA)
FL REG. NO. 1027514

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PLUMBING KEYNOTES

- TOTAL LOAD OF 1,100 CFH DEVELOPED LENGTH-
300' LP COMPANY TO PROVIDE A MINIMUM OF 5 PSI
TO GRPR-1.

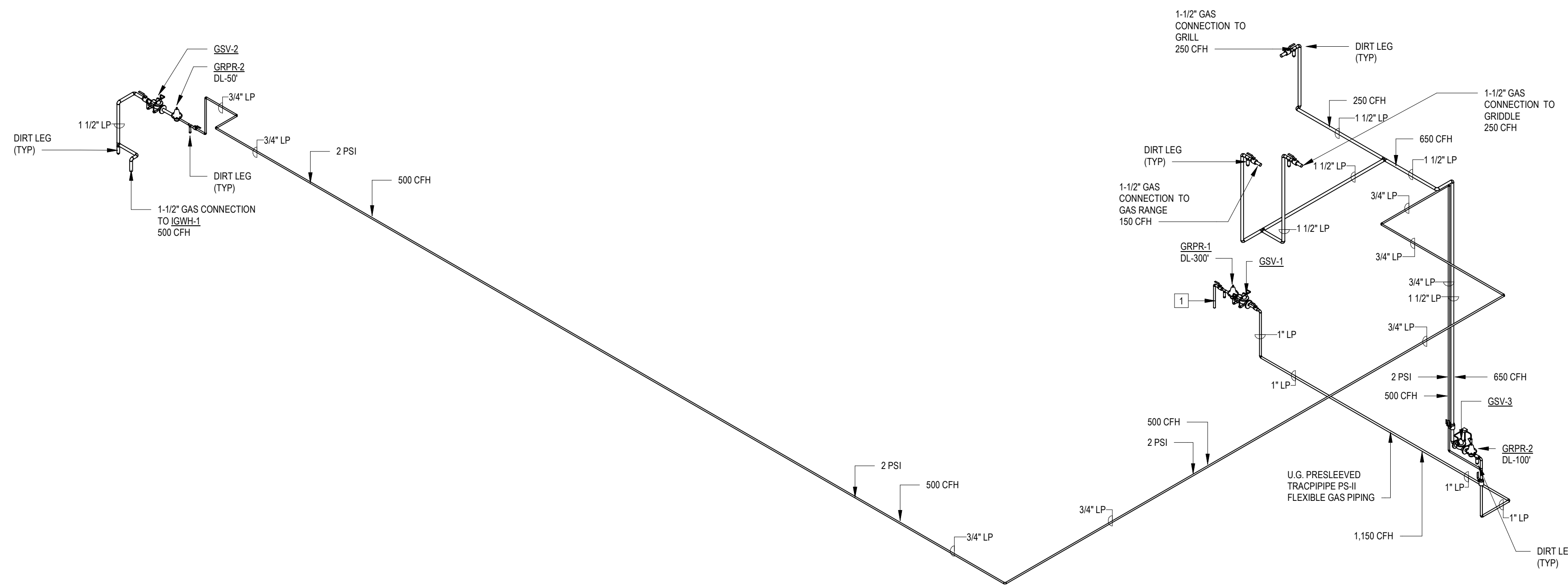


TABLE 402.4(27) SCHEDULE 40 METALLIC PIPE									
		Gas Undiluted Propane							
		Inlet Pressure 2.0 psi							
		Pressure Drop 1.0 psi							
		Specific Gravity 1.50							
INTENDED USE	Pipe sizing between 2 psig service and line pressure regulator.								
	PIPE SIZE (inch)								
	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
Actual ID	0.622	0.824	1.049	1.380	1.610	2.067	2.469	3.068	4.026
Length (ft)	Capacity in Thousands of Btu per Hour								
10	2,680	5,590	10,500	21,600	32,400	62,400	99,500	176,000	359,000
20	1,840	3,850	7,240	14,900	22,300	42,900	68,400	121,000	247,000
30	1,480	3,090	5,820	11,900	17,900	34,500	54,900	97,100	198,000
40	1,260	2,640	4,980	10,200	15,300	29,500	47,000	83,100	170,000
50	1,120	2,340	4,410	9,060	13,600	26,100	41,700	73,700	150,000
60	1,010	2,120	4,000	8,210	12,300	23,700	37,700	66,700	136,000
70	934	1,950	3,680	7,550	11,300	21,800	34,700	61,400	125,000
80	869	1,820	3,420	7,020	10,500	20,300	32,300	57,100	116,000
90	815	1,700	3,210	6,590	9,880	19,000	30,300	53,600	109,000
100	770	1,610	3,030	6,230	9,330	18,000	28,600	50,600	103,000
125	682	1,430	2,690	5,520	8,270	15,900	25,400	44,900	91,500
150	618	1,290	2,440	5,000	7,490	14,400	23,000	40,700	82,900
175	569	1,190	2,240	4,600	6,890	13,300	21,200	37,400	76,300
200	529	1,110	2,080	4,280	6,410	12,300	19,700	34,800	71,000
250	469	981	1,850	3,790	5,680	10,900	17,400	30,800	62,900
300	425	889	1,670	3,440	5,150	9,920	15,800	27,900	57,000

TABLE 402.4(28) SCHEDULE 40 METALLIC PIPE									
		Gas Undiluted Propane							
		Inlet Pressure 11.0 in. w.c.							
		Pressure Drop 0.5 in. w.c.							
		Specific Gravity 1.50							
INTENDED USE	Pipe sizing between single- or second-stage (low pressure) regulator and appliance.								
	PIPE SIZE (inch)								
	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
Actual ID	0.622	0.824	1.049	1.380	1.610	2.067	2.469	3.068	4.026
Length (ft)	Capacity in Thousands of Btu per Hour								
10	291	608	1,150	2,350	3,520	6,790	10,800	19,100	39,000
20	200	418	787	1,620	2,420	4,660	7,430	13,100	26,800
30	160	336	632	1,300	1,940	3,750	5,970	10,600	21,500
40	137	287	541	1,110	1,660	3,210	5,110	9,030	18,400
50	122	255	480	985	1,480	2,840	4,530	8,000	16,300
60	110	231	434	892	1,340	2,570	4,100	7,250	14,800
80	101	212	400	821	1,230	2,370	3,770	6,670	13,600
100	94	197	372	763	1,140	2,200	3,510	6,210	12,700
125	89	185	349	716	1,070	2,070	3,290	5,820	11,900
150	84	175	330	677	1,010	1,950	3,110	5,500	11,200
175	74	155	292	600	899	1,730	2,760	4,880	9,950
200	67	140	265	543	814	1,570	2,500	4,420	9,010
250	62	129	243	500	749	1,440	2,300	4,060	8,290
300	58	120	227	465	697	1,340	2,140	3,780	7,710

1 GAS RISER DIAGRAM



SANIBEL FIRE & RESCUE DISTRICT
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**SANIBEL FIRE AND RESCUE
STATION 172**

PROJECT LOCATION:

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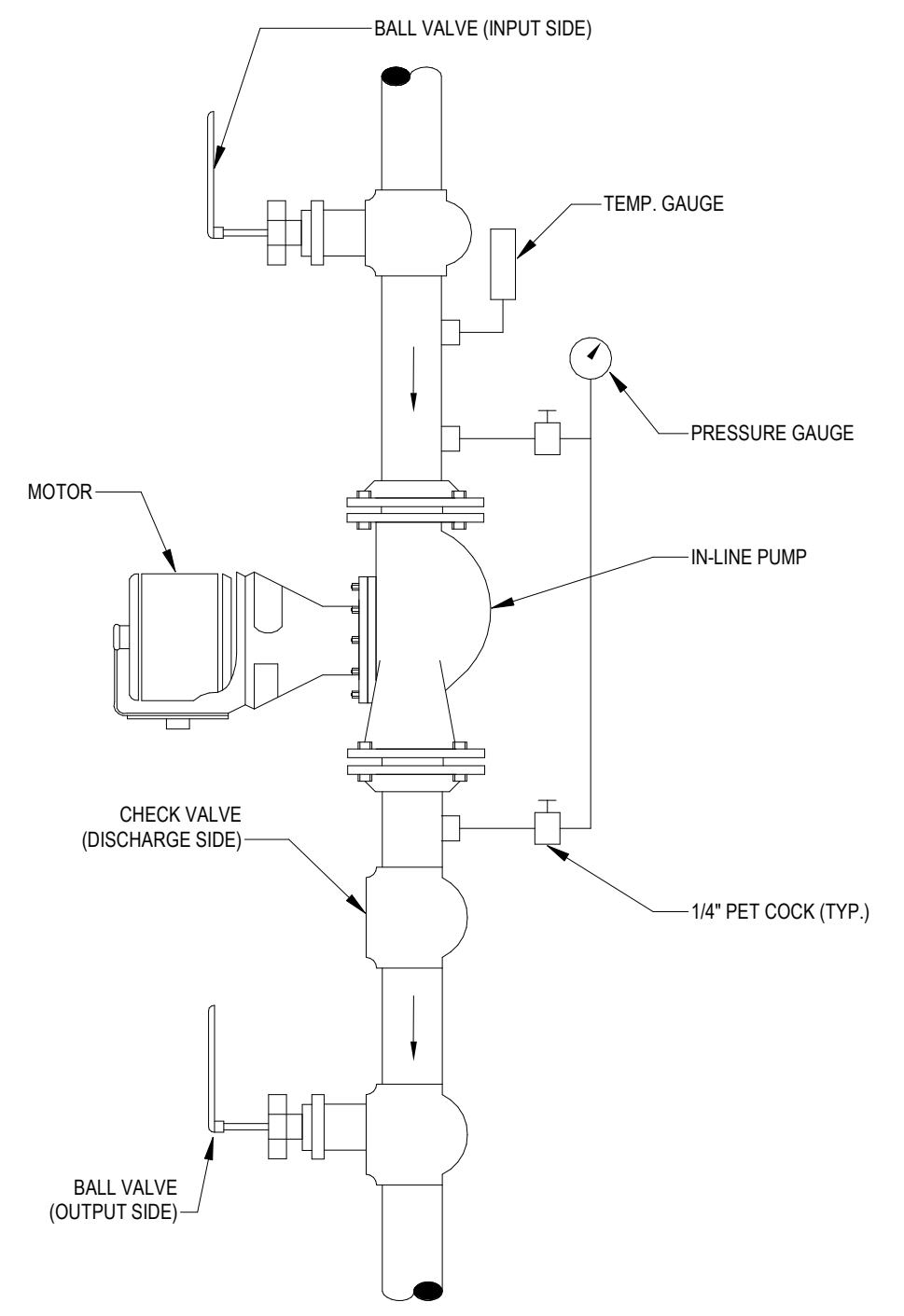
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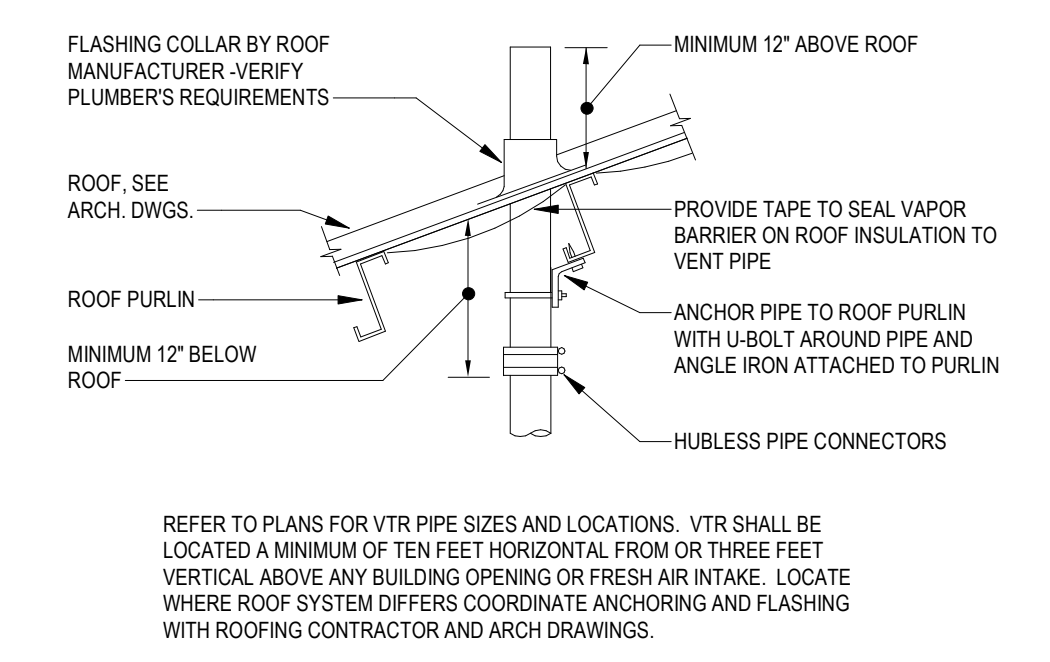
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4015 S. OCEAN BLVD. #401
MARTIN, FL 32751
FL REG. NO. 180734

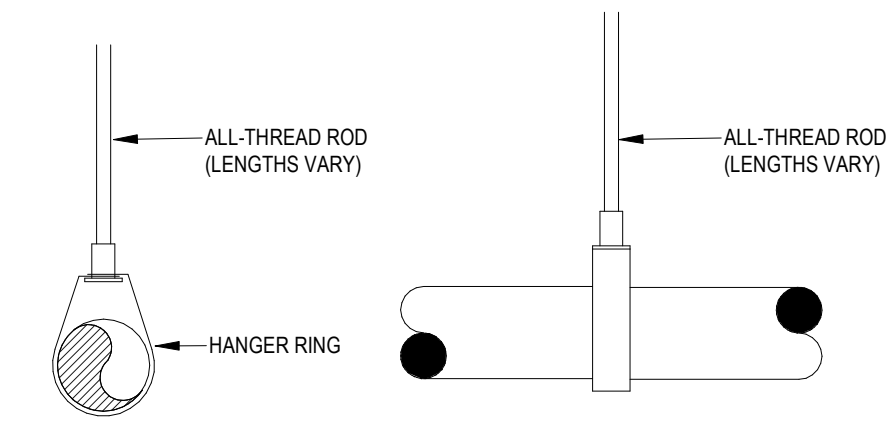
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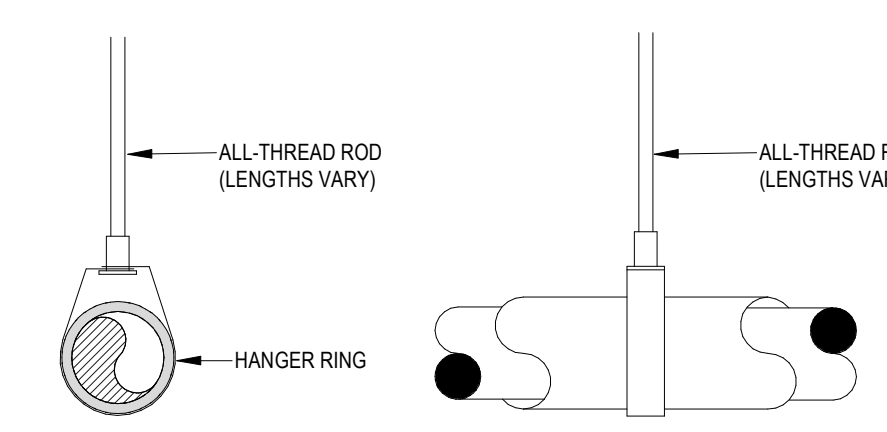
1 TYPICAL IN-LINE PUMP DETAIL
1/8" = 1'-0"



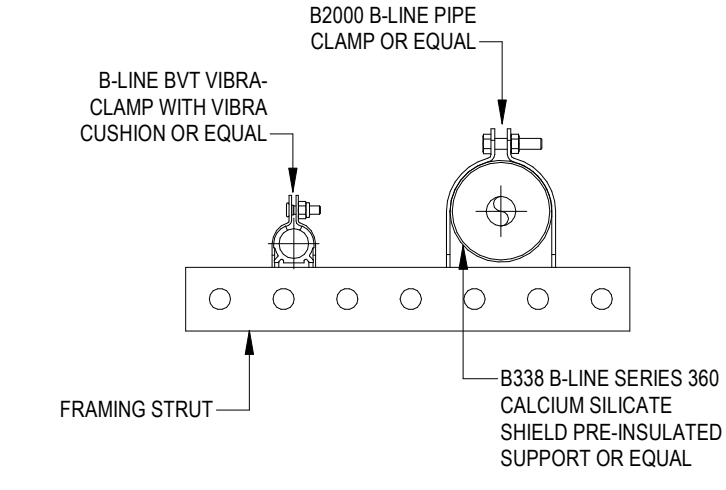
2 VENT THRU ROOF DETAIL (SLOPED ROOF)
1/8" = 1'-0"



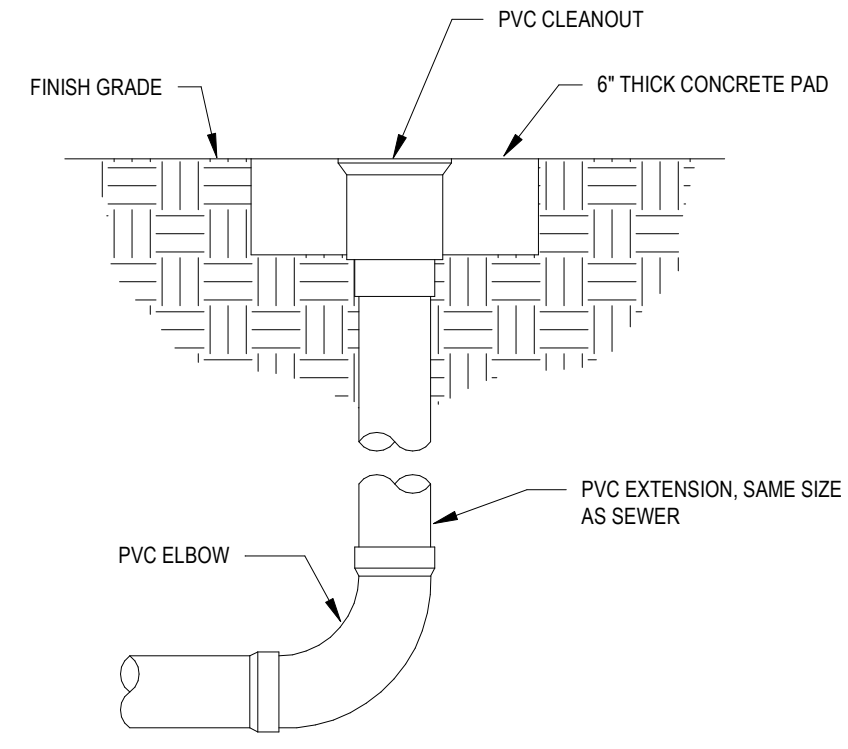
3 NON-INSULATED HANGER DETAIL
1/8" = 1'-0"



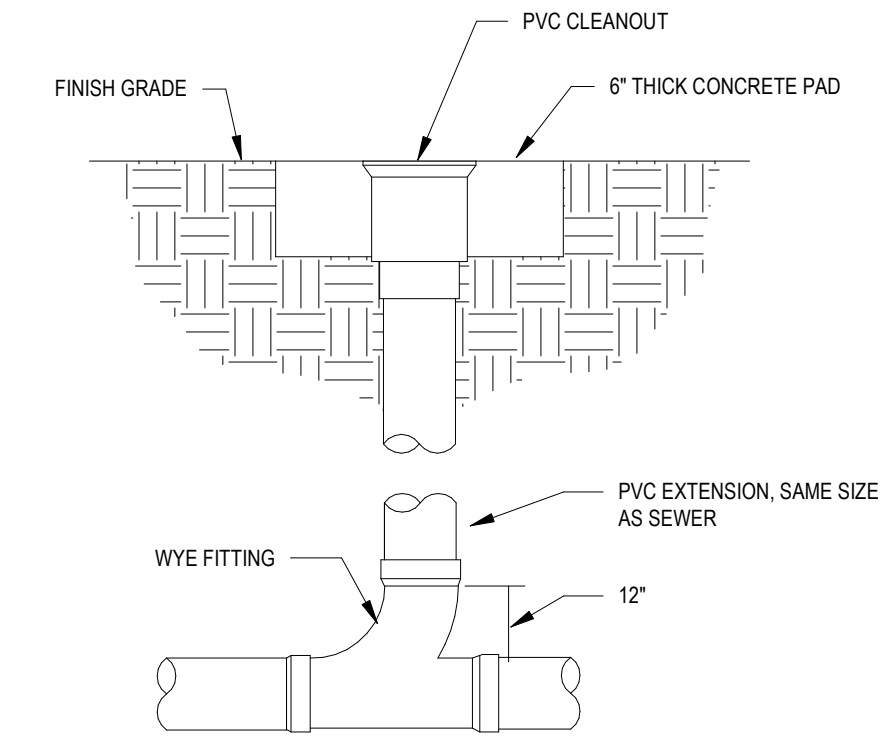
4 INSULATED HANGER DETAIL
1/8" = 1'-0"



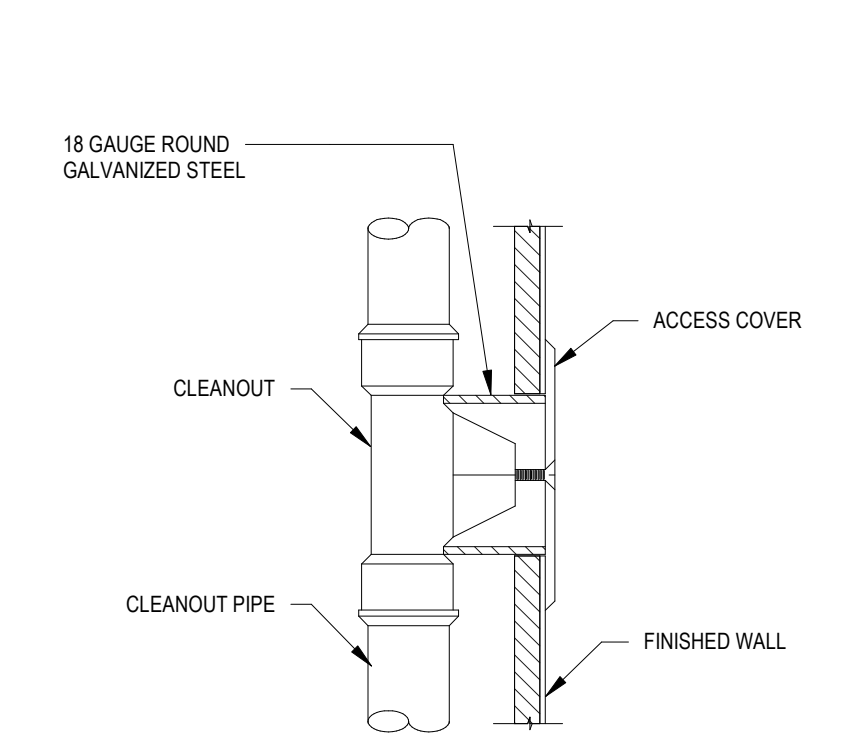
5 INSULATED & NON-INSULATED STRUT MOUNT DETAIL
1/8" = 1'-0"



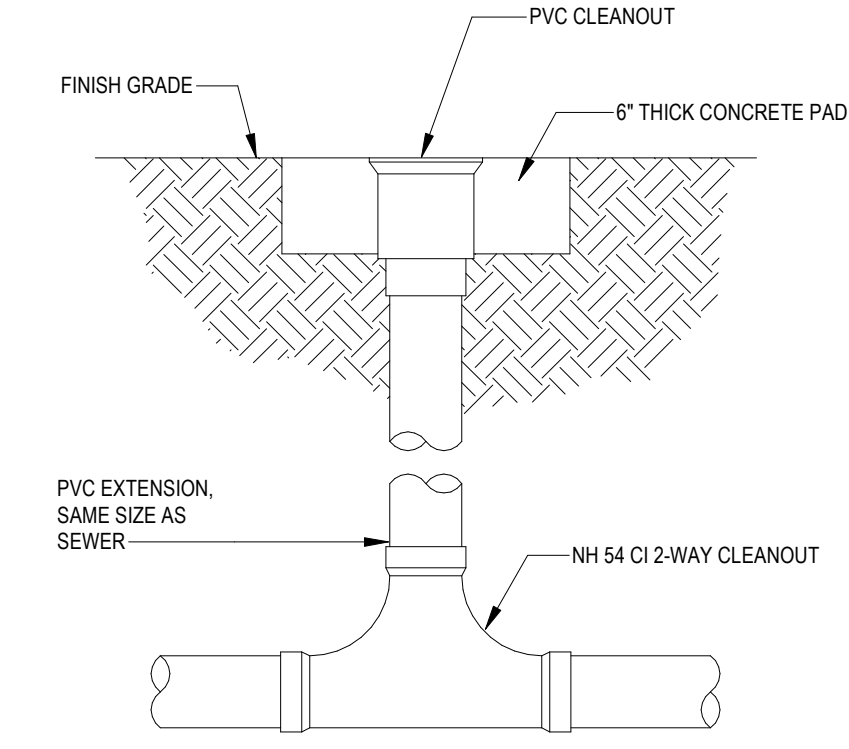
6 (ELBOW) EXTERIOR 1-WAY CLEANOUT DETAIL
1/8" = 1'-0"



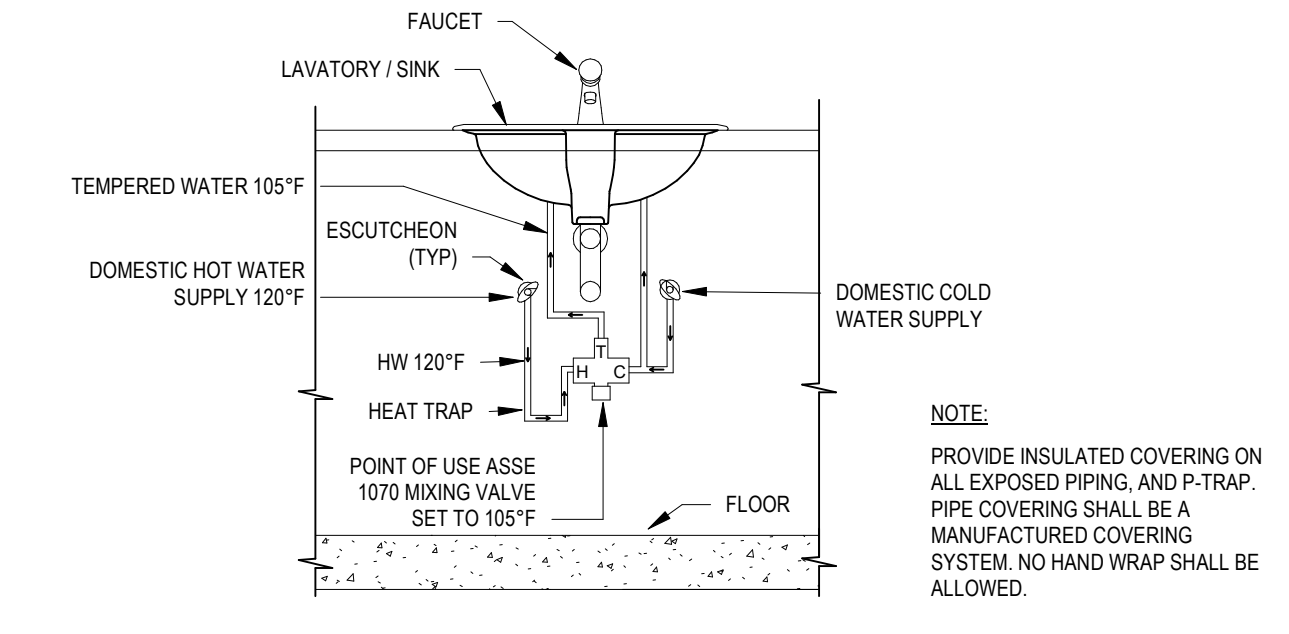
7 (WYE) EXTERIOR 1-WAY CLEANOUT DETAIL
1/8" = 1'-0"



8 2-WAY WALL CLEANOUT DETAIL
1/8" = 1'-0"

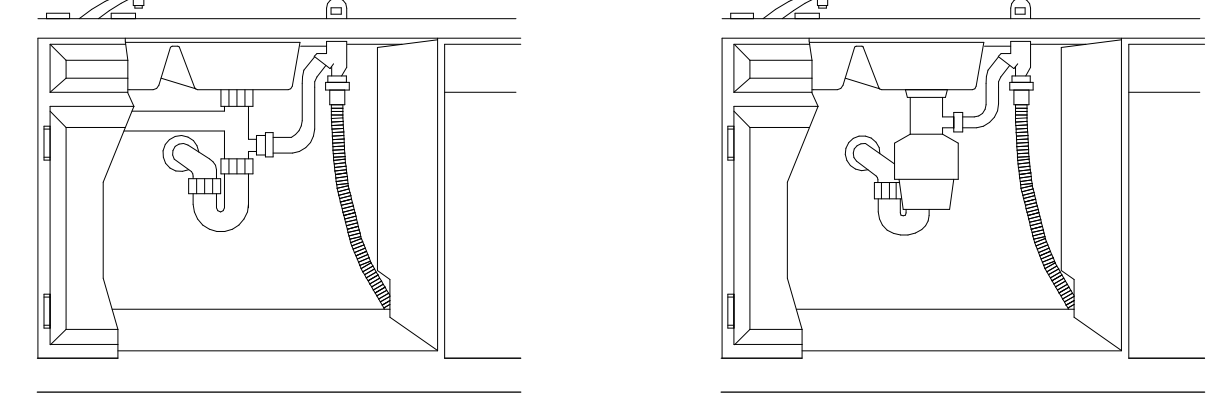


9 LISTED TWO WAY CLEANOUT FITTING DETAIL
1/8" = 1'-0"

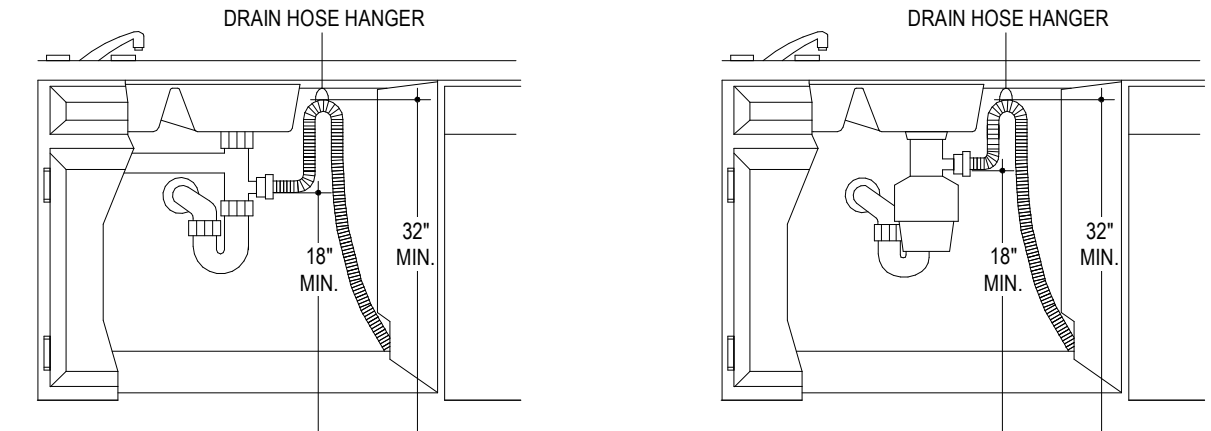


10 ASSE 1070 POINT OF USE MIXING VALVE DETAIL - PLUMBING
3/16" = 1'-0"

METHOD 1 - AIR GAP WITH WASTE TEE OR DISPOSER
AN AIR GAP MUST BE USED WHEN REQUIRED BY LOCAL CODES AND ORDINANCES. THE AIR GAP MUST BE INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS.



METHOD 2 - HIGH DRAIN LOOP WITH WASTE TEE OR DISPOSER



DRAIN REQUIREMENTS

- REFER TO MANUFACTURER'S INSTALLATION MANUAL.
- FOLLOW LOCAL CODES AND ORDINANCES.
- DO NOT EXCEED 12' DISTANCE TO DRAIN.
- DRAIN CONNECTION HEIGHT IS NOT TO EXCEED 12" ABOVE BOTTOM OF DISHWASHER.

NOTE: AIR GAP MUST BE USED IF WASTE TEE OR DISPOSER CONNECTION IS LESS THAN 18" ABOVE FLOOR TO PREVENT SIPHONING.

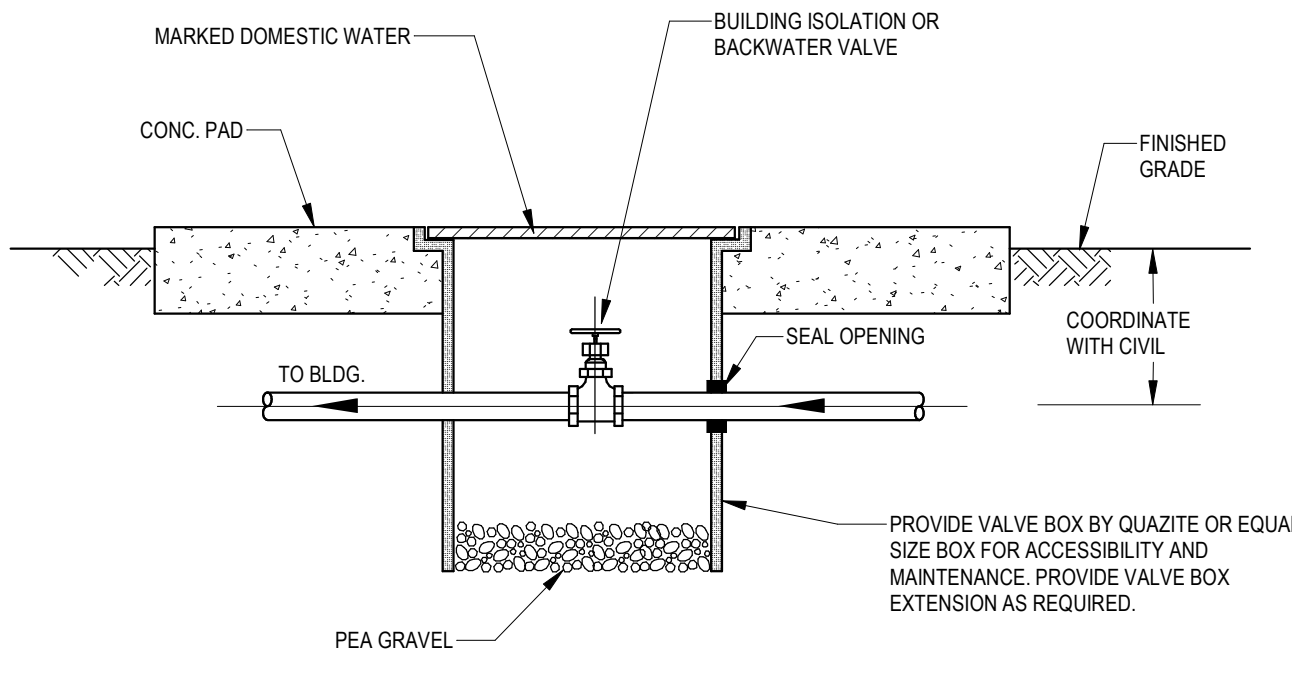
DETERMINE DRAIN METHOD

THE TYPE OF DRAIN INSTALLATION DEPENDS ON THE FOLLOWING QUESTIONS:

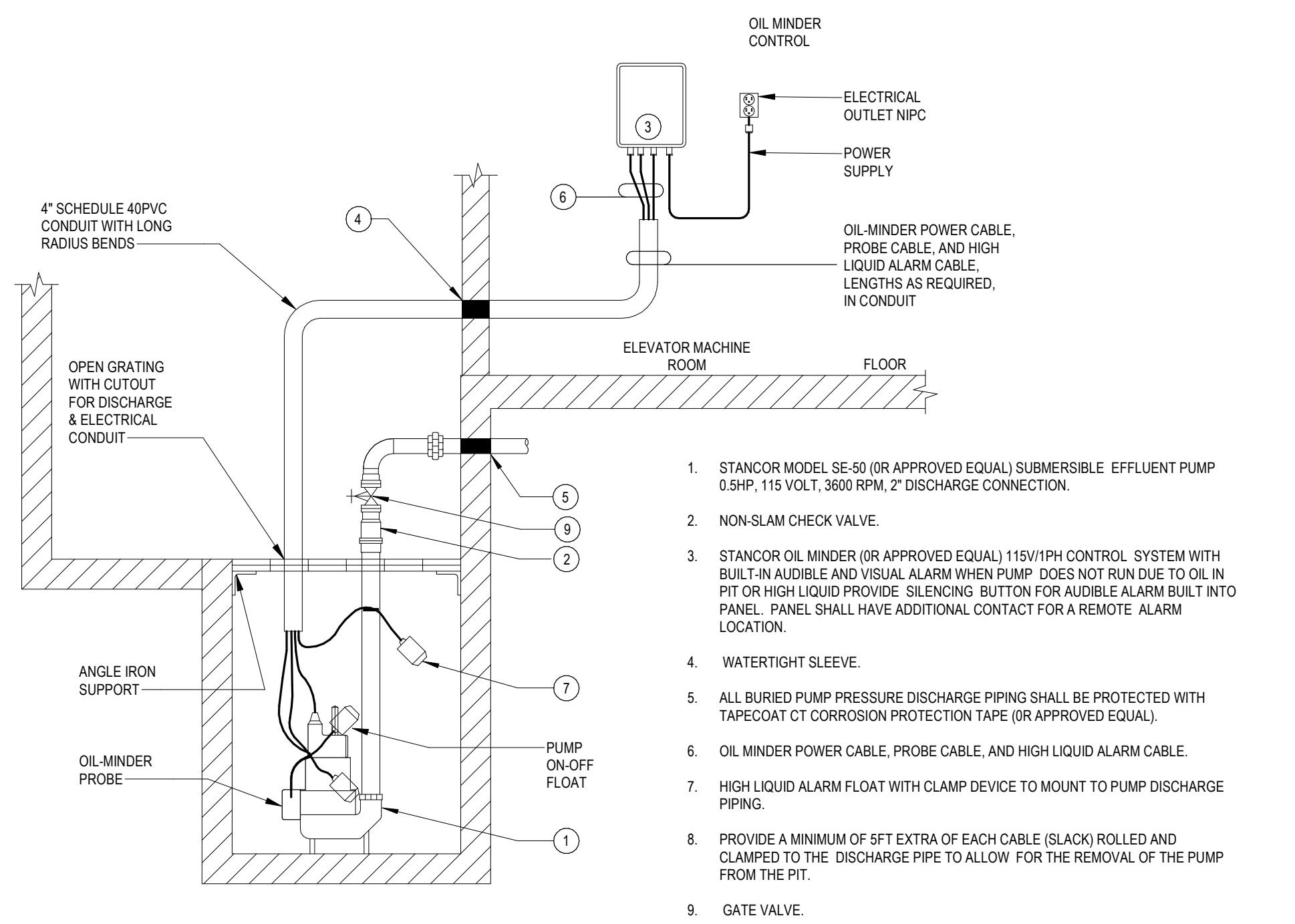
- DO LOCAL CODES OR ORDINANCES REQUIRE AN AIR GAP?
- IS WASTE TEE LESS THAN 18" ABOVE FLOOR?

IF THE ANSWER TO EITHER QUESTION IS YES, METHOD 1 MUST BE USED.

- IF THE ANSWERS ARE NO, EITHER METHOD MAY BE USED.



12 VALVEBOX DETAIL
1/8" = 1'-0"



13 ELEVATOR SUMP PUMP DETAIL
1/8" = 1'-0"

- STANCOR MODEL SE-50 (OR APPROVED EQUAL) SUBMERSIBLE EFFLUENT PUMP 0.5HP, 115 VOLT, 3600 RPM, 2" DISCHARGE CONNECTION.
- NON-SLAM CHECK VALVE.
- STANCOR OIL MINDER (OR APPROVED EQUAL) 115V/1PH CONTROL SYSTEM WITH BUILT-IN AUDIBLE AND VISUAL ALARM WHEN PUMP DOES NOT RUN DUE TO OIL IN PIT OR HIGH LIQUID PROVIDE SILENCING BUTTON FOR AUDIBLE ALARM BUILT INTO PANEL. PANEL SHALL HAVE ADDITIONAL CONTACT FOR A RESCUE ALARM LOCATION.
- WATERTIGHT SLEEVE.
- ALL BURIED PUMP PRESSURE DISCHARGE PIPING SHALL BE PROTECTED WITH TAPECOAT CT CORROSION PROTECTION TAPE (OR APPROVED EQUAL).
- OIL MINDER POWER CABLE, PROBE CABLE, AND HIGH LIQUID ALARM CABLE.
- HIGH LIQUID ALARM FLOAT WITH CLAMP DEVICE TO MOUNT TO PUMP DISCHARGE PIPING.
- PROVIDE A MINIMUM OF 5FT EXTRA OF EACH CABLE (SLACK) ROLLED AND CLAMPED TO THE DISCHARGE PIPE TO ALLOW FOR THE REMOVAL OF THE PUMP FROM THE PIT.
- GATE VALVE.

11 DISHWASHER DISCHARGE DETAIL
1/8" = 1'-0"

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DETAILS - PLUMBING

P501

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**SANIBEL FIRE AND RESCUE
STATION 172**

PROJECT LOCATION:

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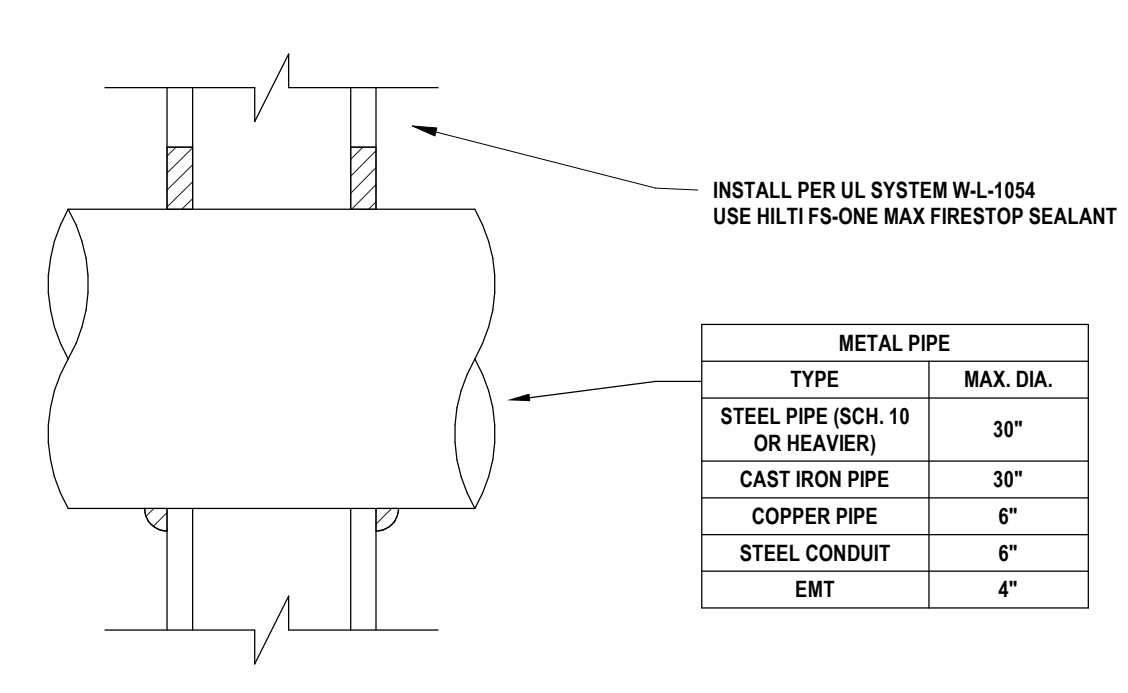
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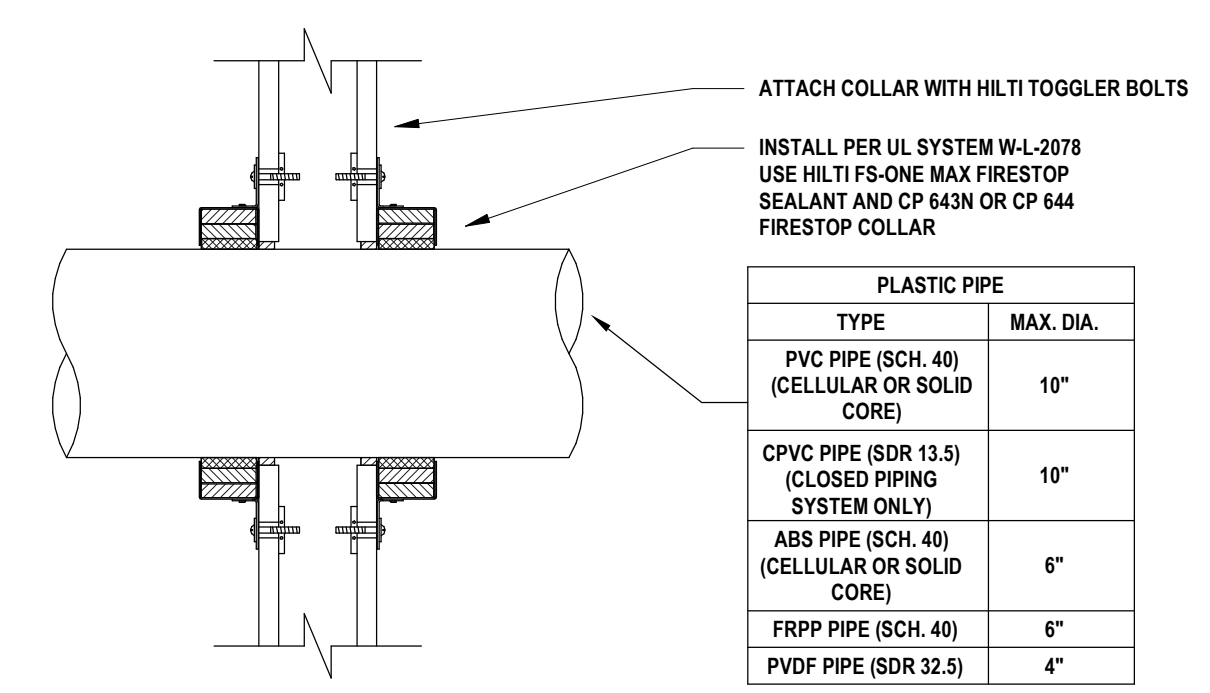
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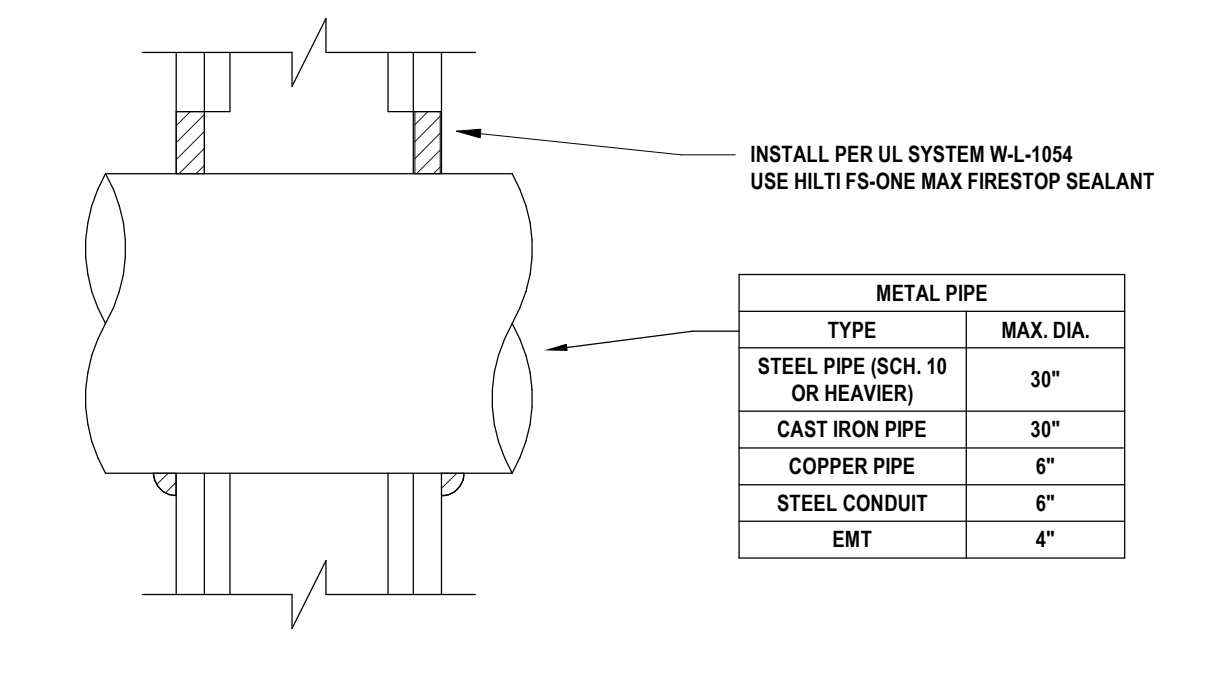
MARK	DESCRIPTION	DATE



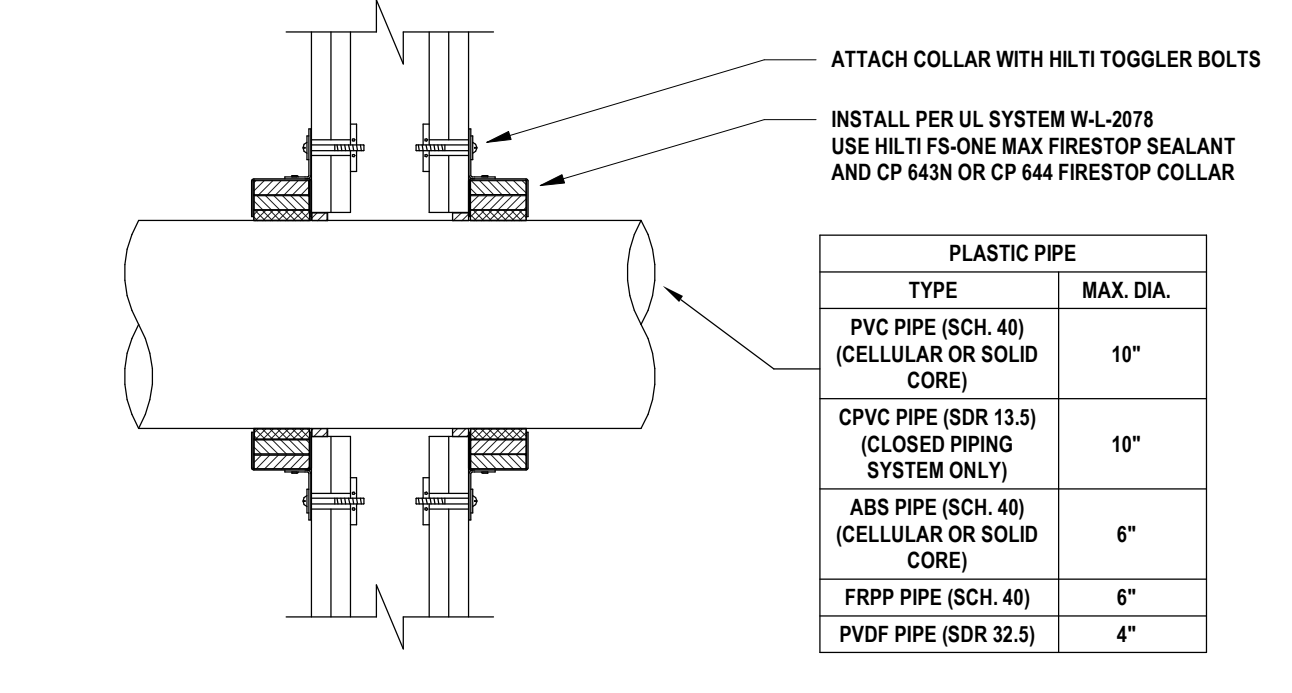
METAL PIPE THROUGH GYPSUM WALL ASSEMBLY (1-HR.)
NTS



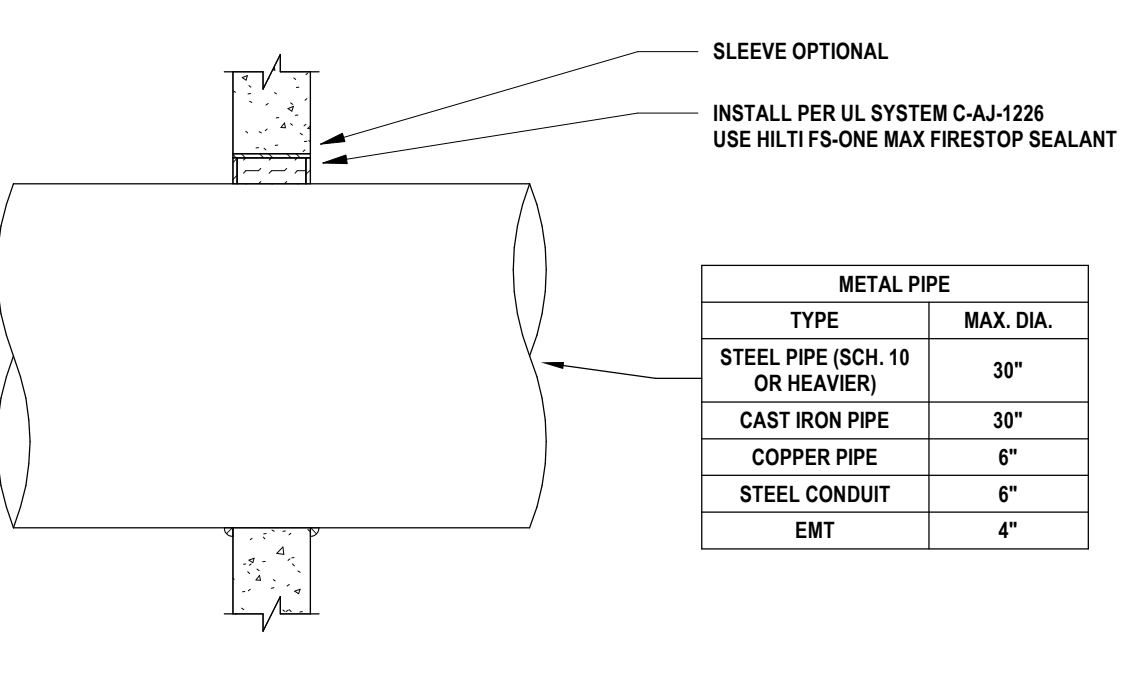
PLASTIC PIPE THROUGH GYPSUM WALL ASSEMBLY (1-HR.)
NTS



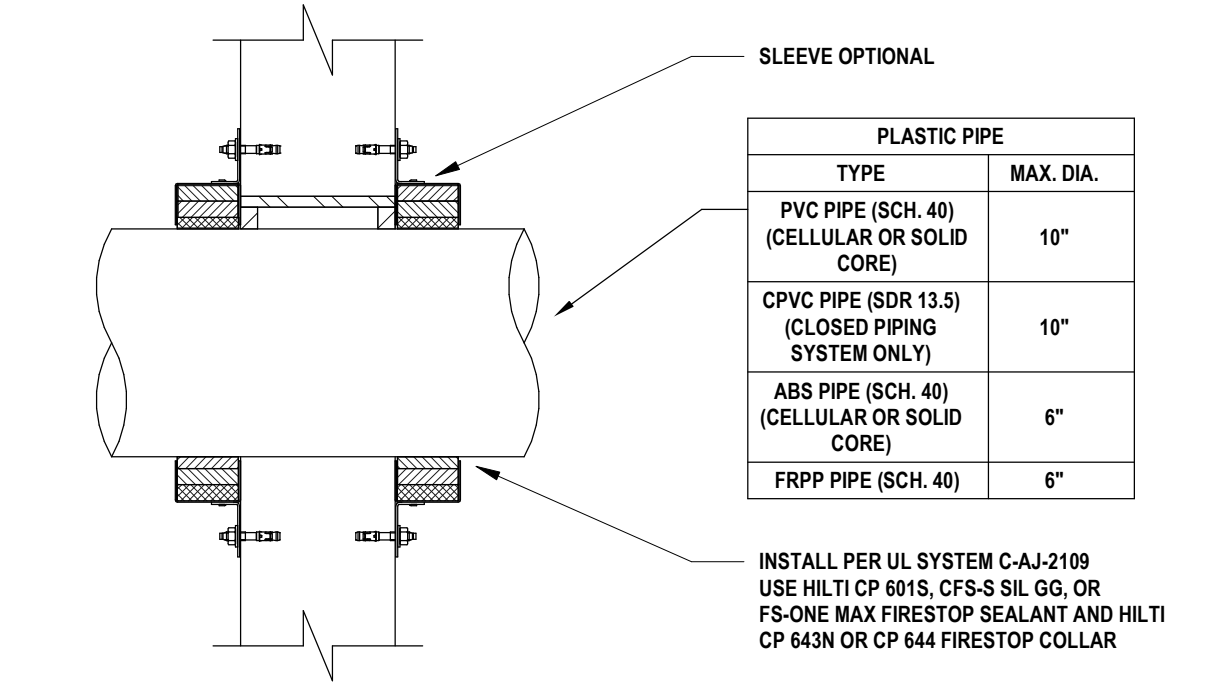
METAL PIPE THROUGH GYPSUM WALL ASSEMBLY (2-HR.)
NTS



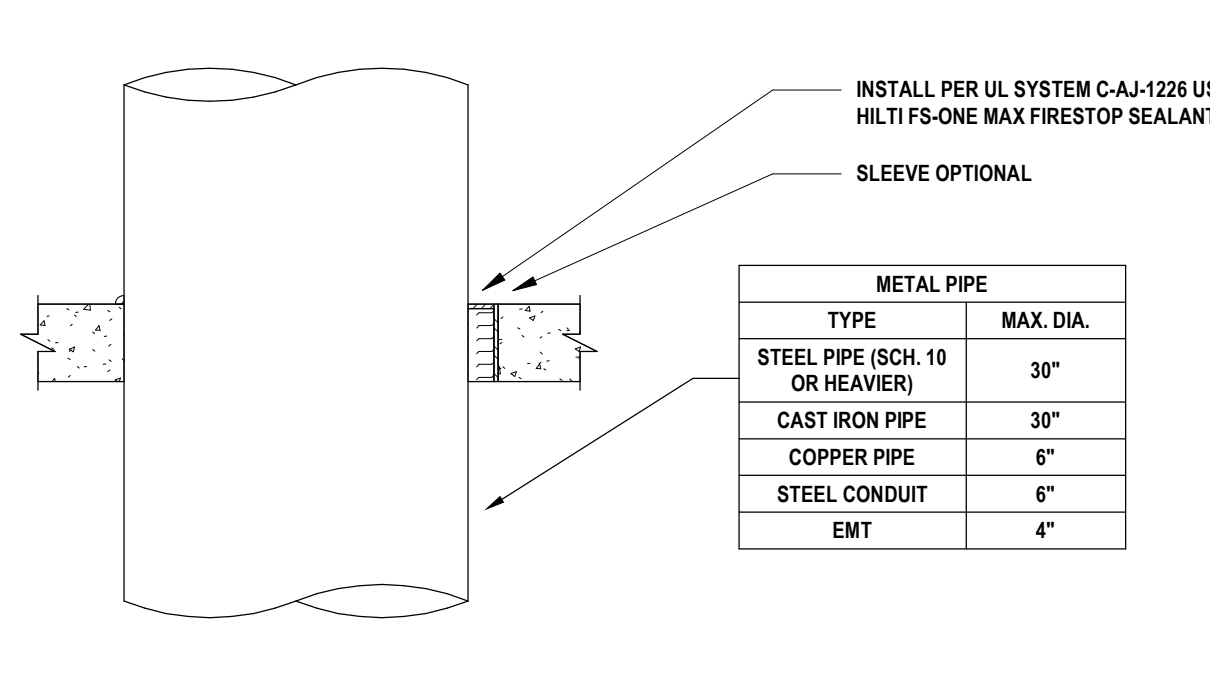
PLASTIC PIPE THROUGH GYPSUM WALL ASSEMBLY (2-HR.)
NTS



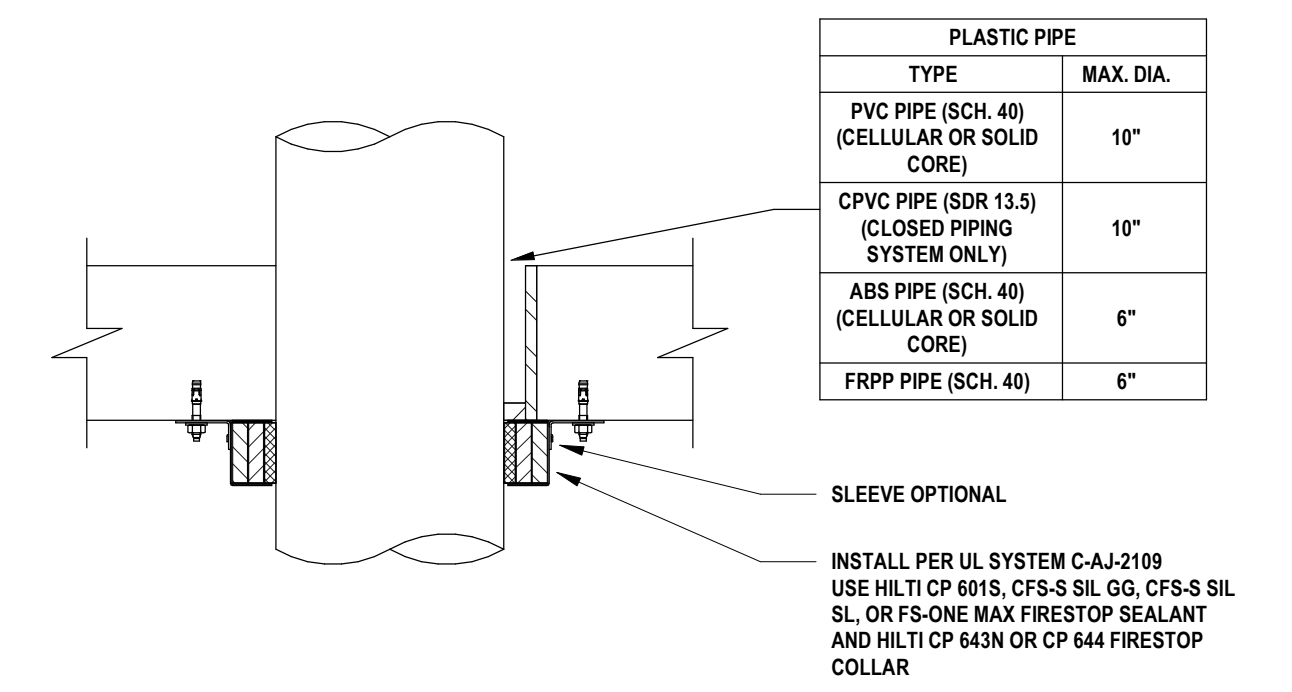
METAL PIPE THROUGH CONCRETE WALL (2-HR.)
NTS



PLASTIC PIPE THROUGH CONCRETE WALL (2-HR.)
NTS



METAL PIPE THROUGH CONCRETE FLOOR (2-HR.)
NTS



PLASTIC PIPE THROUGH CONCRETE FLOOR (2-HR.)
NTS

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DETAILS - PLUMBING

PLUMBING FIXTURE SCHEDULE

MARK	FITTURE DESCRIPTION	MANUFACTURES MODEL	FAUCET/ FLUSH VALVE MODEL	FITTURE CONNECTION SIZES					ACCESSORIES
				C.W.	H.W.	MIXED	WASTE	VENT	
WC-1	WATER CLOSET FLOOR SET ADA FLUSH TANK	AMERICAN STANDARD	2467.100	1"	-	-	3"	2"	1.1 GALLON FLUSH TANK. PROVIDE WITH BEIMS MODEL #16555SCT EXTRA HEAVY DUTY SEAT WITH SELF-SUSTAINING HINGES. PROVIDE CHROME PLATED WALL NIPPLE AND ESCUTCHEON. MCGUIRE 2166 CHROME PLATED ANGLE STOP. CONTRACTOR SHALL COORDINATE LOCATION OF WATER CLOSET HANDLE TO BE ADA COMPLIANT.
L-1	LAVATORY UNDERMOUNT	KHOLER K-2214	AMERICAN STANDARD 742801.295 1.2 GPM	12"	-	12"	2"	2"	PROVIDE WITH STRAINER. PROVIDE CHROME PLATED WALL NIPPLES AND ESCUTCHEONS. MCGUIRE 2166 CHROME PLATED ANGLE STOP. MCGUIRE 8872 P-TRAP AND CLEAN OUT PLUB. PROVIDE WITH WATTS HYDROGUARD SERIES LFLM95 SET TO 105"
L-2	LAVATORY WALL HUNG	AMERICAN STANDARD 039915.020	AMERICAN STANDARD 742801.295 1.2 GPM	12"	-	12"	2"	2"	PROVIDE WITH STRAINER. PROVIDE CHROME PLATED WALL NIPPLES AND ESCUTCHEONS. MCGUIRE 2166 CHROME PLATED ANGLE STOP. MCGUIRE 8872 P-TRAP AND CLEAN OUT PLUB. PROVIDE WITH WATTS HYDROGUARD SERIES LFLM95 SET TO 105". PROVIDE ZURN 2-1231 CARRIER.
SH-1	SHOWER	SEE ARCH PLANS	AMERICAN STANDARD TUB62SG213	12"	-	12"	2"	2"	PROVIDE WITH AMERICAN STANDARD # TUB62SG213 1.5 COMMERCIAL SHOWER SYSTEM KIT. PROVIDE WITH AMERICAN STANDARD #R422 2-WAY DIVERTER. SET THERMOSTATIC MIXING VALVE TO 110". ZURN SHOWER DRAIN MODEL 2415S W/6X8 STRAINER.
SH-2	SHOWER	SEE ARCH PLANS	AMERICAN STANDARD TUB62SG213	12"	-	12"	2"	2"	PROVIDE WITH AMERICAN STANDARD # TUB62SG213 1.5 COMMERCIAL SHOWER SYSTEM KIT. PROVIDE WITH AMERICAN STANDARD #R422 2-WAY DIVERTER. SET THERMOSTATIC MIXING VALVE TO 110". ZURN SHOWER DRAIN MODEL 2415S W/6X8 STRAINER.
S-1	KITCHEN SINK UNDERMOUNT	ELKAY ECR190179RT	ELKAY LKAV2061	12"	12"	-	2"	2"	STAINLESS STEEL DROP IN SINK WITH BADGER'S FOOD WASTE DISPOSER. DISHWASHER WATER AND DRAIN CONNECTIONS, STRAINER, AND MCGUIRE 2166K LOOSE KEY SUPPLIES. MCGUIRE 8902 P-TRAP. PROVIDE WITH WATTS HYDROGUARD LFLM95 SERIES SET TO 105".
S-2	1 COMPARTMENT SINK DROP IN	KHOLER K-681	ELKAY LK600N874	12"	12"	-	2"	2"	PROVIDE WITH STRAINER. AND MCGUIRE 2166K LOOSE KEY SUPPLIES. MCGUIRE 8902 P-TRAP. PROVIDE WITH WATTS HYDROGUARD LFLM95 SERIES SET TO 105"
MS-1	MOP SINK 24" X 24"	FIAT SB2424	ENCORE K-77-8106-BR 2.2 GPM	3/4"	3/4"	-	3"	2"	PROVIDE WITH 832AA HOSE AND BRACKET 12398B. ALUMINUM BUMPERGUARD WITH VINYL INSERT. 833AA SILICONE SEALANT AND MSG WALL GUARD- STAINLESS STEEL.
MS-2	MOP SINK 24" X 24"	FIAT TSBC1610	ENCORE K-77-8106-BR 2.2 GPM	3/4"	3/4"	-	3"	2"	PROVIDE WITH 832AA HOSE AND BRACKET 12398B. ALUMINUM BUMPERGUARD WITH VINYL INSERT. 833AA SILICONE SEALANT AND MSG WALL GUARD- STAINLESS STEEL.
SS-1	SERVICE SINK	ELKAY SSB302	ELKAY LK948P074S	3/4"	3/4"	-	3"	2"	PROVIDE WITH STRAINER. AND MCGUIRE 2166K LOOSE KEY SUPPLIES. MCGUIRE 8902 P-TRAP.
DF-1	DRINKING FOUNTAIN DUAL HEIGHT ADA WITH BOTTLE FILL	ELKAY LZSTLDWSSK	-	12"	-	-	3"	2"	STAINLESS STEEL FINISH. PROVIDE WITH WALL CARRIER SUPPLY AND P-TRAP. MOUNT ADA LOWER UNIT SPOUT 30" A.F.F.

NOTES:

- FITTURE TO BE WHITE IN COLOR UNLESS OTHERWISE NOTED
- ADA WATER CLOSETS SHALL HAVE FLUSH HANDLE ON WIDE SIDE OF TOILET STALL. COORDINATE FLUSH VALVE WITH GRAB BARS.
- ADA LAVATORIES AND SINKS SHALL HAVE TRAP INSULATION KIT TO COVER P-TRAP AND SUPPLIES.
- ADA FIXTURES MOUNTING HEIGHT PER LOCAL STATE HANDICAP CODES.
- CONTRACTOR TO PROVIDE TRAP, CARRIER, SUPPLIES LINES AND DRAINS REQUIRED BY FIXTURES.

GAS WATER HEATER SCHEDULE

MARK	FITTURE DESCRIPTION	MANUFACTURES MODEL	GALLON CAPACITY	TYPE OF GAS/ BTU/HR	SET TEMPERATURE	ELECTRICAL DATA			ACCESSORIES
						VOLT	PHASE	HZ	
IGWH-1	GAS TANKLESS WATER HEATER	INTELLIHOT IN501	-	PROPANE 499,999	140°	120	1	60	-

NOTES:

- PROVIDE ALL GAUGES, HEAT TRAPS, THERMOSTATS, TEMPERATURE AND PRESSURE RELIEF VALVE AND SHUT-OFF VALVES AS REQUIRED BY LOCAL CODES AND MANUFACTURER'S RECOMMENDATIONS.
- FLOOR MOUNTED HEATERS SHALL BE INSTALLED ON 4" CONCRETE HOUSE KEEPING PAD.

RECIRCULATION PUMP SCHEDULE

MARK	FITTURE DESCRIPTION	MANUFACTURES MODEL	HP	RPM	GPM/ TDH	ELECTRICAL DATA			ACCESSORIES
						VOLT	PHASE	HZ	
RCP-1	RECIRCULATION PUMP	TACO 006-84	140	3250	2.04 f	115	1	60	INSTALL PER MANUFACTURER REQUIREMENT. PROVIDE HONEYWELL AQUASTAT L6006 AQUASTAT TO TRUN ON RCP WHEN TEMP OF HOT WATER RETURN LINE DROPS BELOW 120.

NOTES:

- PROVIDE ALL GAUGES, UNIONS, THERMOSTATS, VALVE AND SHUT-OFF VALVES AS REQUIRED BY LOCAL CODES AND MANUFACTURER'S RECOMMENDATIONS.
- COORDINATE WITH DIVISION 16 CONTRACTOR.
- PUMP SHALL BE ALL BRONZE WITH FLANGE CONNECTION.
- PROVIDE WITH HONEYWELL L6006 AQUASTAT. SET TO 120°

PLUMBING EQUIPMENT SCHEDULE

MARK	FITTURE DESCRIPTION	MANUFACTURES MODEL	ACCESSORIES / NOTES
HB-1	HOSE BIB	WATTS HY430	REFER TO MANUFACTURER FOR INSTALLATION GUIDELINES.
WH-1	WALL HYDRANT	WATTS HY420	REFER TO MANUFACTURER FOR INSTALLATION GUIDELINES.
RD-1	ROOF DRAIN	ZURN Z100 FLOFORCE	REFER TO MANUFACTURER FOR INSTALLATION GUIDELINES.
RD-2	ROOF DRAIN OVERFLOW	ZURN Z100 R FLOFORCE	REFER TO MANUFACTURER FOR INSTALLATION GUIDELINES.
IMB-1	ICE MAKER BOX	QATEY 39140	REFER TO MANUFACTURER FOR INSTALLATION GUIDELINES.
WB-1	WASH BOX	QATEY 38101	REFER TO MANUFACTURER FOR INSTALLATION GUIDELINES.
FD-1	FLOOR DRAIN	WATTS FD-100-7	PROVIDE WITH MIFAB M-GARD WITH DRAIN. COORDINATE SIZE WITH PLANS WITH MODEL NUMBER TO BE USED.
FD-2	FLOOR DRAIN HEAVY DUTY	WATTS FD-1100-B-7	PROVIDE WITH MIFAB M-GARD WITH DRAIN. COORDINATE SIZE WITH PLANS WITH MODEL NUMBER TO BE USED.
FS-1	FLOOR SINK	WATTS FS-730-150	PROVIDE WITH MIFAB M-GARD WITH DRAIN. COORDINATE SIZE WITH PLANS WITH MODEL NUMBER TO BE USED.
TD-1	TRENCH DRAIN	MIFAB T1322.4-FL-6-S	PROVIDE WITH MIFAB M-GARD WITH DRAIN. COORDINATE SIZE WITH PLANS WITH MODEL NUMBER TO BE USED.
LI-1	LINT INTERCEPTOR	MIFAB LI-15-L	REFER TO MANUFACTURER FOR INSTALLATION GUIDELINES.
HD-1	HUB DRAIN	WATTS FD-100-EF	PROVIDE W/ BACKWATER VALVE
AC-1	AIR COMPRESSOR	QUINCY COMPRESSOR QT-7.5	PROVIDE WITH QRHT-25 COMPRESSED AIR DRYER.
QF-1	AIR FILTER	QUINCY COMPRESSOR QMF 25	REFER TO MANUFACTURER FOR INSTALLATION GUIDELINES.
QOWS-1	OIL WATER SEPARATOR	QUINCY COMPRESSOR QOCS-106 OIL WATER SEPARATOR	REFER TO MANUFACTURER FOR INSTALLATION GUIDELINES.
TMV-1	THERMOSTATIC MIXING VALVE	POWERS LFB100VL	SET MASTER THERMOSTATIC MIXING VALVE TEMP OUT TO 126°
BVEM-1	THERMOSTATIC MIXING VALVE	CALEFFI 132 QUICKSETTER +	PROVIDE QUICKSETTER + WITH FLOW SCLAE OF 0.5-1.75 GPM
PWC-1	WATER CONDITIONER	AQUA REX WK-3	REFER TO MANUFACTURER FOR INSTALLATION GUIDELINES.
PWC-2	WATER CONDITIONER	AQUA REX WK-1	REFER TO MANUFACTURER FOR INSTALLATION GUIDELINES.
RD-1	WATER CONDITIONER	WATTS PWRO4	REFER TO MANUFACTURER FOR INSTALLATION GUIDELINES.
SP-1	SUMP PUMP	STANCOR SE-50	REFER TO MANUFACTURER FOR INSTALLATION GUIDELINES.
EEWEDS-1	EMERGENCY EYE WASH AND DRENCH SHOWER	BRADLEY S19314	REFER TO MANUFACTURER FOR INSTALLATION GUIDELINES.
FHC-1	FLA SERIES FIREHOUSE CONTROLLER	ISMET FLA-2235-B	REFER TO MANUFACTURER FOR INSTALLATION GUIDELINES.
IS-1	REMOTE OPERATOR	ISMET LA-1720-C	REFER TO MANUFACTURER FOR INSTALLATION GUIDELINES.
GRPR-1	GOVERNOR REDUCED PRESSURE REGULATOR	-	GOVERNOR REDUCED PRESSURE REGULATOR WITH OVER PRESSURE DEVICE SET AT 2 PSI.
GRPR-2	GOVERNOR REDUCED PRESSURE REGULATOR	-	GOVERNOR REDUCED PRESSURE REGULATOR WITH OVER PRESSURE DEVICE SET AT 11.14" W.C.
SSV-1	GAS SOLENOID VALVE	HONEYWELL MAXON 5000 SERIES 075-C-AMM-2-B-A-1-F-E-1 MANUAL-B-0	PROVIDE AND INSTALL 24 VOLT DC TO SOLENOID VALVE EQUAL TO ASCO. CONNECT TO FIRE ALARM SYSTEM BY THE FIRE ALARM CONTRACTOR.
SSV-2	GAS SOLENOID VALVE	AMERICAN GAS MERLN1056	PROVIDE AND INSTALL 24 VOLT DC TO SOLENOID VALVE REFER TO MANUFACTURER FOR INSTALLATION GUIDELINES.
SSV-3	GAS SOLENOID VALVE	ISMET SERIES 200	PROVIDE AND INSTALL 24 VOLT DC TO SOLENOID VALVE. REFER TO MANUFACTURER FOR INSTALLATION GUIDELINES.
DBP-1	INLINE BOOSTER PUMP	FRANKLIN WATER 2L-23033-G1T	SET TO ADDITIONAL 15PSI BOOST. REFER TO MANUFACTURER FOR ALL INSULATION GUIDELINES.
AMM-1	CARBON MONOXIDE MONITOR	AMERICAN GAS MINI MERLIN AGS1PCCO-50	REFER TO MANUFACTURER FOR ALL INSTALLATION RECOMMENDATIONS.
HR-1	HOSE REEL	REEL CRAFT 83050 OLP	REFER TO MANUFACTURER FOR ALL INSTALLATION RECOMMENDATIONS.
BWV-1	BACKWATER VALVE	ZURN Z1095	PROVIDE ACCESS HOUSING WITH TRAFFIC RATED LID.
BWV-2	BACKWATER VALVE	MANLINE 4963PC	PROVIDE ACCESS HOUSING WITH TRAFFIC RATED LID.

PLUMBING EQUIPMENT SCHEDULE

MARK	FITTURE DESCRIPTION	MANUFACTURES MODEL	ACCESSORIES / NOTES
PF-1	POT FILLER	DELTA 1165F	REFER TO MANUFACTURER FOR ALL INSTALLATION RECOMMENDATIONS.
SG-1	STEAM GENERATOR	AMERIC AK GENERATOR AK7.5	PROVIDE WITH COLUMBIA PACKAGE CP-POLISHED CHROME 9036-111. CONTRACTOR TO PROVIDE ALL ASSOCIATED MATERIALS FOR STEAM SHOWER SUCH AS NOZZLE AND STEAM HEAD. REFER TO MANUFACTURER FOR ALL INSTALLATION RECOMMENDATIONS.
BV-1	BALL VALVE	-	REFER TO PLUMBING SPECIFICATION
CV-1	CHECK VALVE	-	REFER TO PLUMBING SPECIFICATION
AP-1	ACCESS PANEL	-	REFER TO PLUMBING SPECIFICATION
SV-1	STUODR VENT	MMI VENT	REFER TO MANUFACTURER FOR ALL INSTALLATION RECOMMENDATIONS.

SHOCK ARRESTOR SCHEDULE

DESIGNATION	MANUFACTURER	SERIES	FITTURE UNITS
A	WATTS	LF19M2-A	1-11
B	WATTS	LF19M2-B	12-32
C	WATTS	LF19M2-C	33-60
D	WATTS	LF19M2-D	61-113
E	WATTS	LF19M2-E	114-154
F	WATTS	LF19M2-F	155-330

CLEANOUT SCHEDULE

DESIGNATION	MANUFACTURER	SERIES
FCO	WATTS	CO-200-R
WCO	WATTS	CO-699-RD
ECO	WATTS	CO-200-RX-4



SANIBEL FIRE & RESCUE DISTRICT
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SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION:

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SCHEDULES - PLUMBING