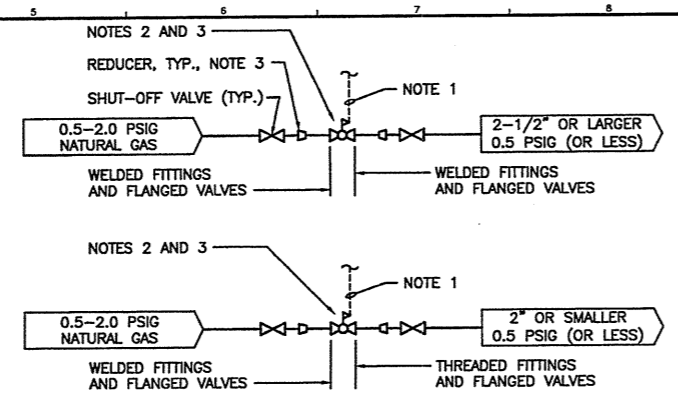


NOTES:  
1. EXTEND REGULATOR VENT PIPING OUT-OF-DOORS PER THE PLANS. VENT PIPE SIZE SHALL BE IN ACCORDANCE WITH THE FOLLOWING SCHEDULE, BUT NO SMALLER THAN THE REGULATOR RELIEF PORT SIZE OR REGULATOR MANUFACTURER RECOMMENDATIONS.

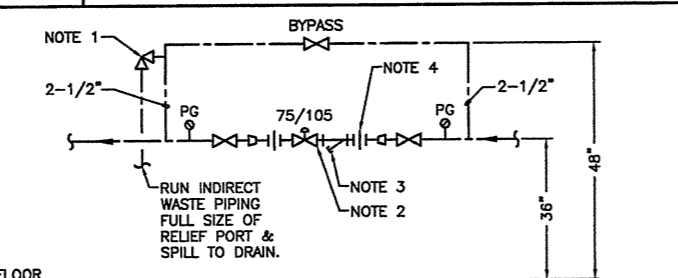
TOTAL EQUIVALENT LENGTH OF VENT PIPING RUN (FT)	0-40	0-100	0-200
MINIMUM RELIEF VENT PIPE SIZE (IN)	3/4"	1"	1-1/2"



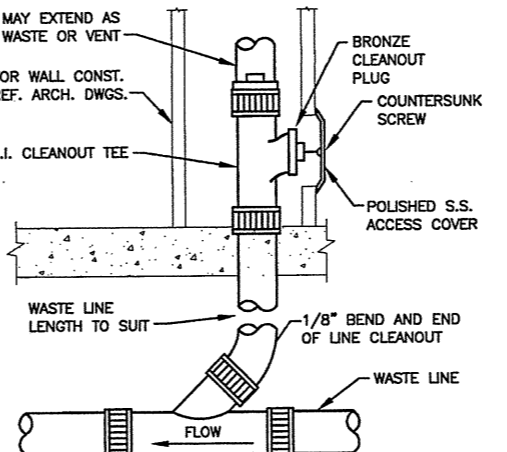
NOTES:  
1. EXTEND REGULATOR VENT PIPING OUT-OF-DOORS PER THE PLANS. VENT PIPE SIZE SHALL BE IN ACCORDANCE WITH THE FOLLOWING SCHEDULE, BUT NO SMALLER THAN THE REGULATOR RELIEF PORT SIZE OR REGULATOR MANUFACTURER RECOMMENDATIONS.  
2. FLANGED END PRESSURE REGULATORS ARE ACCEPTABLE FOR ALL SIZES. THREADED END REGULATORS ARE ACCEPTABLE FOR 2" AND SMALL SIZES ONLY IF THE THREADED JOINTS ARE FULLY BACK WELDED.  
3. REDUCERS AND REGULATOR SIZES ARE PER REGULATOR MANUFACTURER RECOMMENDATIONS.

**M5 NATURAL GAS PRESSURE REGULATOR**

NOT TO SCALE

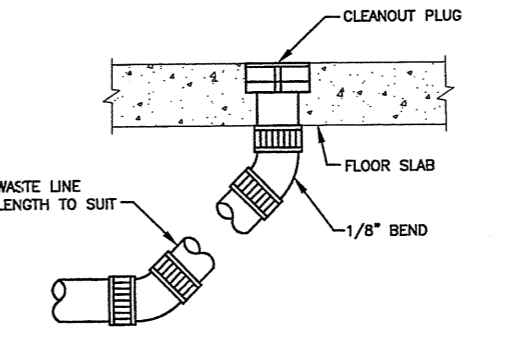


NOTES:  
1. PROVIDE NONADJUSTABLE STYLE PRESSURE RELIEF VALVE, FACTORY SET AT 80 PSIG.  
2. PROVIDE FIELD ADJUSTABLE STYLE PRESSURE REDUCING VALVE WITH INLET STRAINER.  
3. PROVIDE 3/4" BALL VALVE AND MALE HOSE THREAD END FOR STRAINERS 2" AND LARGER.  
4. PROVIDE UNIONS EITHER SIDE OF NON-FLANGED ASSEMBLIES.



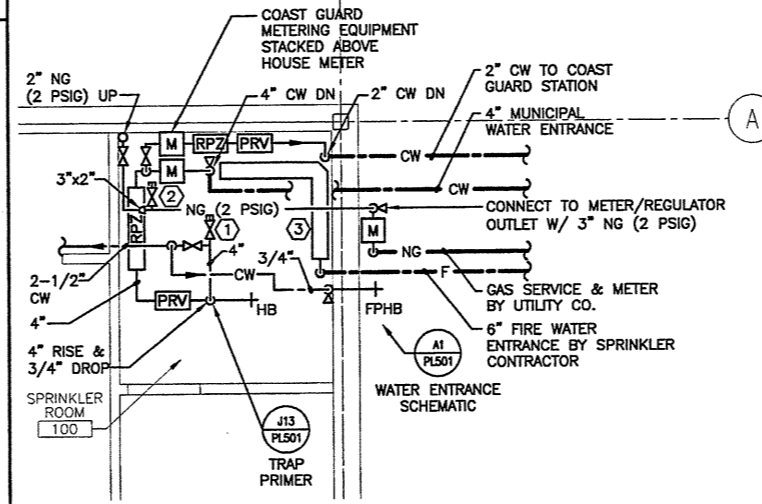
**N9 WALL CLEANOUT (WCO) FINISHED ROOMS**

NOT TO SCALE



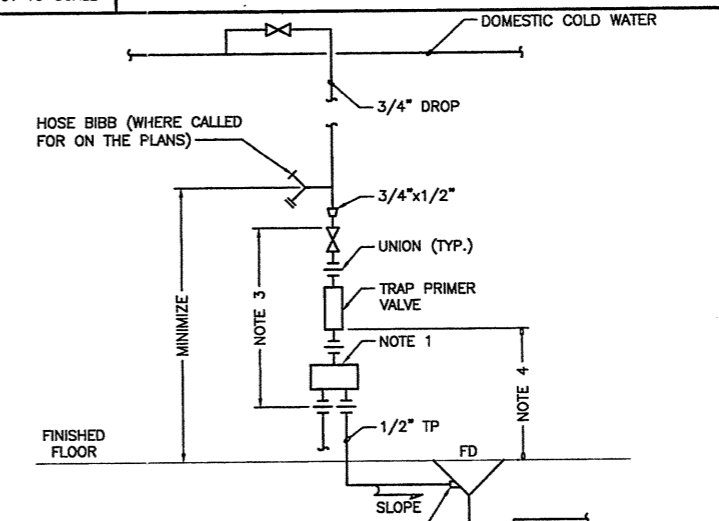
**N13 1-WAY FLOOR CLEANOUT (FCO)**

NOT TO SCALE



**J9 ENLARGED SPRINKLER ROOM**

NOT TO SCALE



NOTES:  
1. FOR MULTIPLE TRAP PRIMER APPLICATION. GROUP PRIMERS TOGETHER WHEREVER POSSIBLE.  
2. PROVIDE 3/4"x1/2" THREAD AND SWEAT FITTING WHERE DRAIN BODY REQUIRES.  
3. WHERE PIPING DROP IS NOT EXPOSED, PROVIDE ACCESS PANEL.  
4. INSTALL VALVE AT A MINIMUM DISTANCE ABOVE THE FLOOR AS REQUIRED BY TRAP PRIMER MANUFACTURER, BUT NO LOWER THAN 1 FOOT AFF FOR EACH 20 FEET OF TRAP PRIMER PIPING.

**J13 TRAP SEAL PRIMER DETAIL**

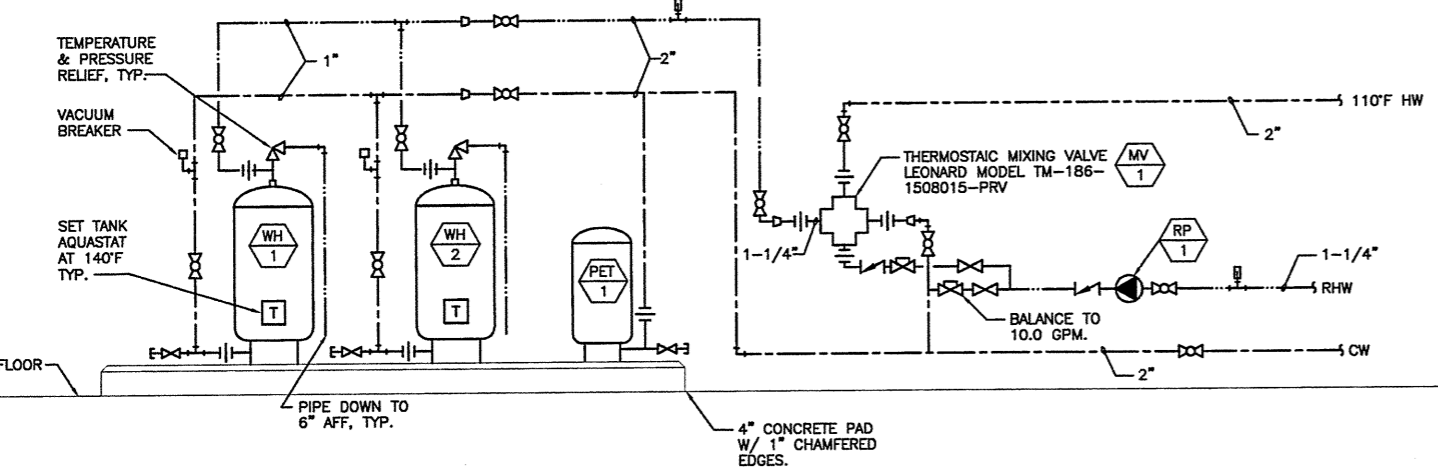
NOT TO SCALE

**J1 GAS VENT THROUGH ROOF (GVT) WITH GOOSENECK TERMINATION**

NOT TO SCALE

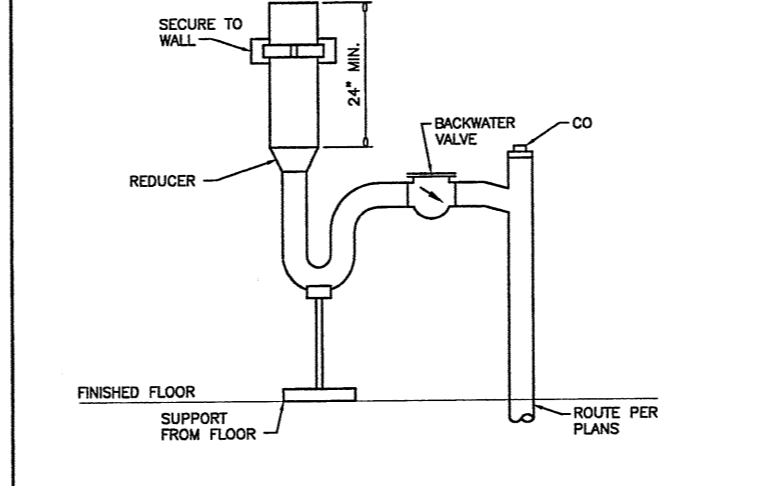
**J5 PRESSURE REDUCING STATION DETAIL**

NOT TO SCALE



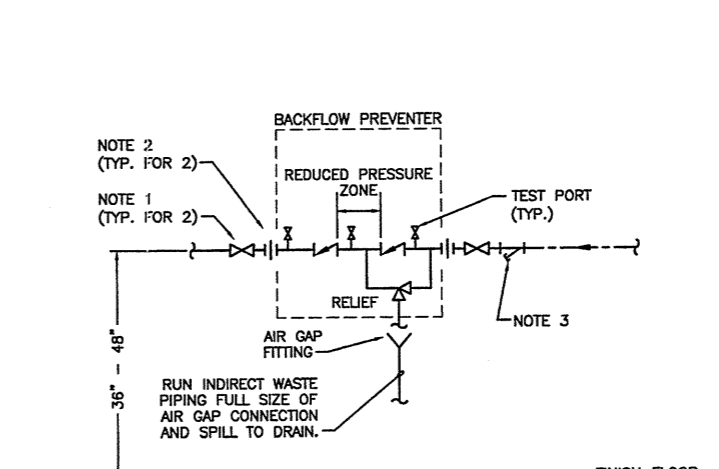
**E1 DOMESTIC HOT WATER HEATING AND STORAGE SYSTEM SCHEMATIC**

NOT TO SCALE



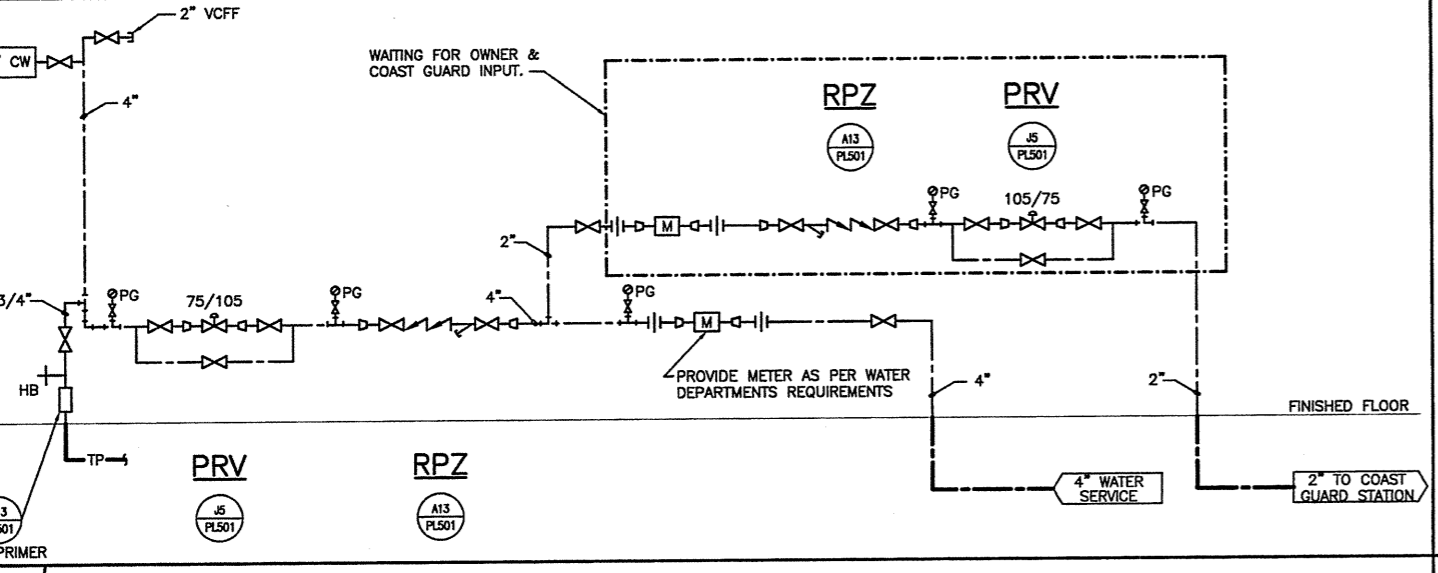
**E9 STAND DRAIN**

NOT TO SCALE



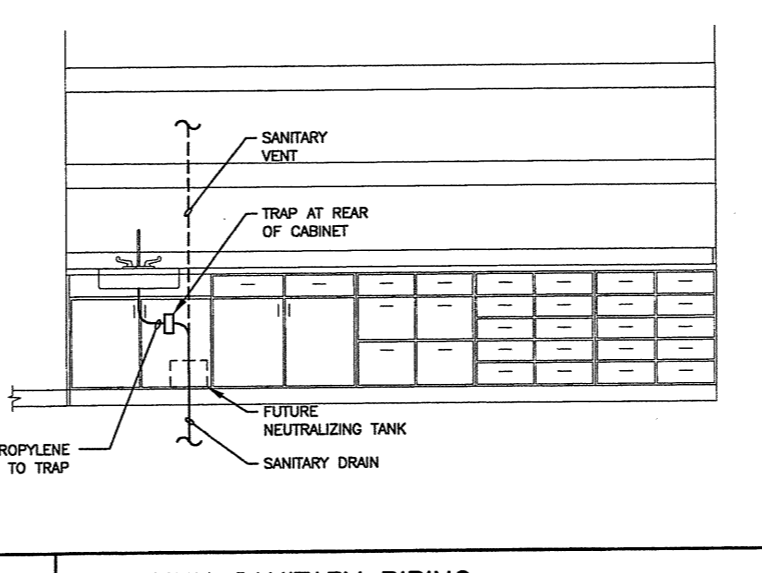
**A13 REDUCED PRESSURE ZONE BACKFLOW PREVENTER**

NOT TO SCALE



**A1 WATER ENTRANCE DETAIL**

NOT TO SCALE



**A9 LAB SINK SANITARY PIPING**

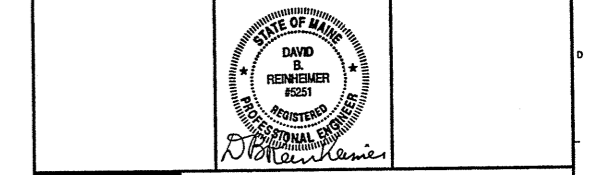
NOT TO SCALE

NOTE:  
1. SEE SHEET M-001 FOR LEGEND AND ABBREVIATIONS.

KEYED NOTES:  
① 2" CW - VCF.  
② 2" NG (2 PSIG) - VCF.  
③ SPARE RESERVED FOR SPRINKLER CONTRACTOR.

REV.	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	10-23-03

**ISSUED FOR CONSTRUCTION 10-23-03**



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**THE GULF OF MAINE RESEARCH INSTITUTE**  
PORTLAND, MAINE

PROJECT: **DETAILS**

SHEET TITLE:	SCALE:	DATE:
	NOT TO SCALE	10-23-03
PROJECT MANAGER: DRL	GRAPHIC SCALE: 0" = 1"	
JOB CAP/DRAWN: SDL/CAH		
A/E OF RECORD: DBR	SHEET No.	
SMRT CAD FILE: PL501-03034		
PROJECT No. 03034		

**PL501**