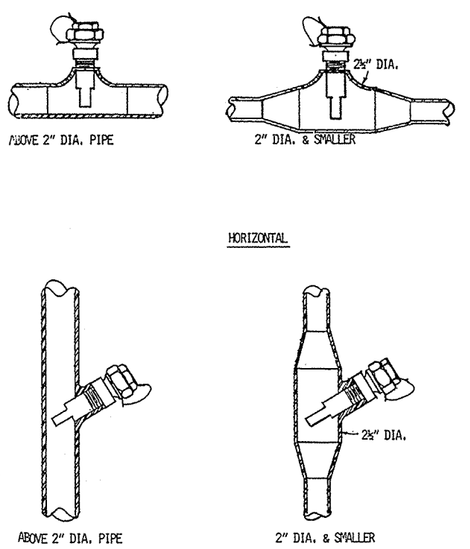
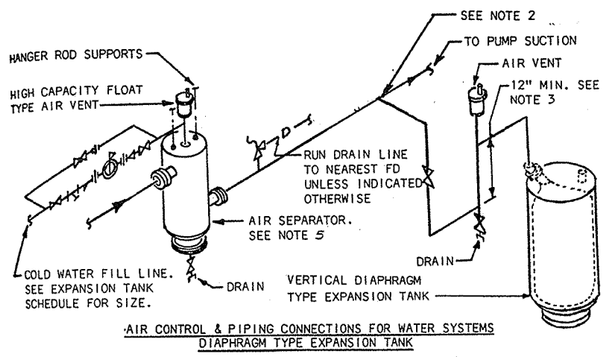


INSTALLATION OF THERMOMETER WELLS

1 THERMOWELL INST. DETAIL
42-H6 NO SCALE



AIR CONTROL & PIPING CONNECTIONS FOR WATER SYSTEMS
DIAPHRAGM TYPE EXPANSION TANK

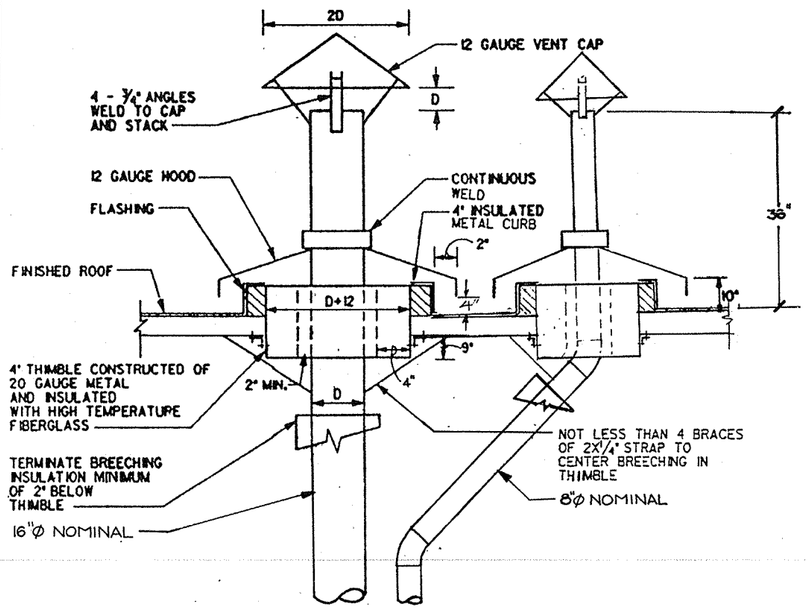
NOTES:

1. CONNECT TO SIDE OF MAIN TO PREVENT AIR OR DEBRIS FROM ENTERING PIPE TO TANK. TOP OR BOTTOM CONNECTION NOT PERMITTED.
2. PROVIDE 12" MINIMUM DROP ANTI-THERMOSYPHON LOOP TO PREVENT GRAVITY HEATING OF TANK.
3. SEE EXPANSION TANK SYSTEM SCHEDULE FOR COMPONENT SIZES.
4. RELIEF VALVE FOR CHILLED WATER SYSTEM IS SHOWN. OMIT WHEN RELIEF VALVE IS SHOWN AT BOILER(FLOW DIAGRAM) FOR HOT WATER SYSTEM.
5. PROVIDE STRAINER IN AIR SEPARATOR WHEN INDICATED IN EXPANSION TANK SCHEDULE.
6. SET PRESSURE REDUCING VALVE SO PRESSURE AT HIGH POINT IN SYSTEM HAS A MINIMUM OF 4 PSIG.

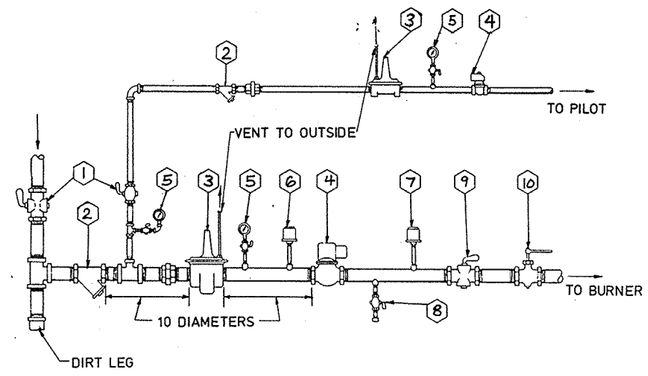
2 AIR CONTROL FOR WATER SYSTEMS
42-H6 NO SCALE

NOTES: - AFTER INSTALLATION, FIELD APPLY A COATING OF HIGH HEAT SILICONE ALKYD - ALUMINUM TO ALL SURFACES EXPOSED TO WEATHER.

- DIMENSIONS AND SPECIFICATIONS APPLY TO BOTH BOILER FLUES.

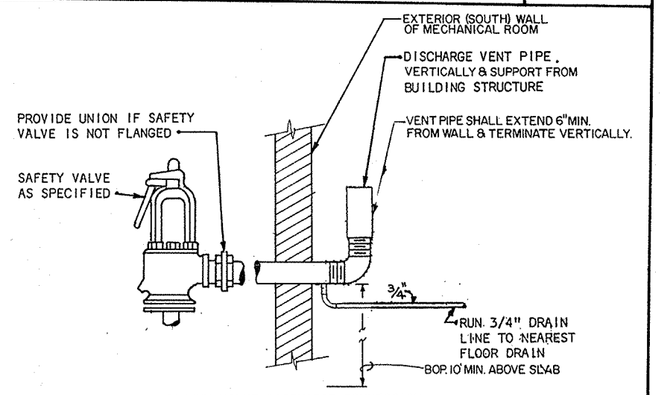


3 TYPE "B" BOILER FLUE DETAIL
42-H6 NO SCALE



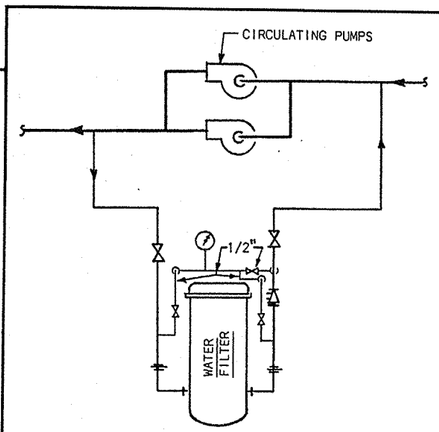
1. MANUAL PLUG COCK
2. STRAINER
3. PRESSURE REGULATOR
4. SAFETY SHUTOFF VALVE
5. PRESSURE GAUGE AND COCK
6. LOW PRESSURE SWITCH
7. HIGH PRESSURE SWITCH
8. BUBBLE TEST COCK
9. CHECKING GAS COCK
10. BURNER CONTROL VALVE

4 GAS TRAIN DETAIL
42-H6 NO SCALE



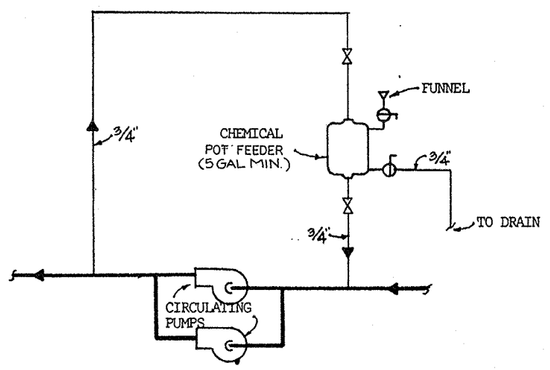
SAFETY VALVE DISCHARGE CONNECTION

5 SAFETY VALVE DISCHARGE CONN. DETAIL
42-H6 NO SCALE



TYPICAL CONNECTIONS TO WATER FILTER

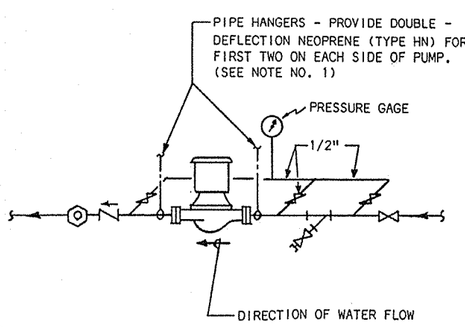
6 WATER FILTER CONN. DETAIL
42-H6 NO SCALE



TYPICAL WATER TREATMENT FOR CLOSED SYSTEMS

NOTE:
1. INSTALL TOP OF CHEMICAL POT FEEDER TANK NOT MORE THAN 3'-0" ABOVE FLOOR.

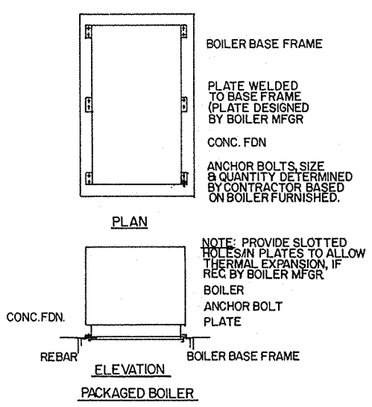
7 TYP. WATER TREATMENT
42-H6 NO SCALE



NOTES:

1. SUPPORT PUMP FROM PIPING ONLY. DO NOT SUPPORT PUMP FROM MOTOR.

8 TYPICAL CONNECTONS TO IN-LINE WATER PUMPS
42-H6 NO SCALE



9 BOILER BASE DETAIL
42-H6 NO SCALE

12.16.91

Fully Sprinklered

Revisions	Date

2WR
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205)263-6401

STATE OF ALABAMA — WATSON 503 WATSON 1828 RUTLAND 2149 — REGISTERED ARCHITECTS

Drawing Title	Details
Project Title	Relocate Regional Office to Department Owned Grounds
Date	27 JANUARY 92
Project No.	322-002
Approved: Area Project Manger	
Building Number	42
Checked	
Drawn	
Location	VMAC Montgomery,Al.
DRAWING NO.	42-H6
	Dwg107 Of134

Office of Facilities — Department of Veterans Affairs

VA FORM 08-6231A, JAN 1990