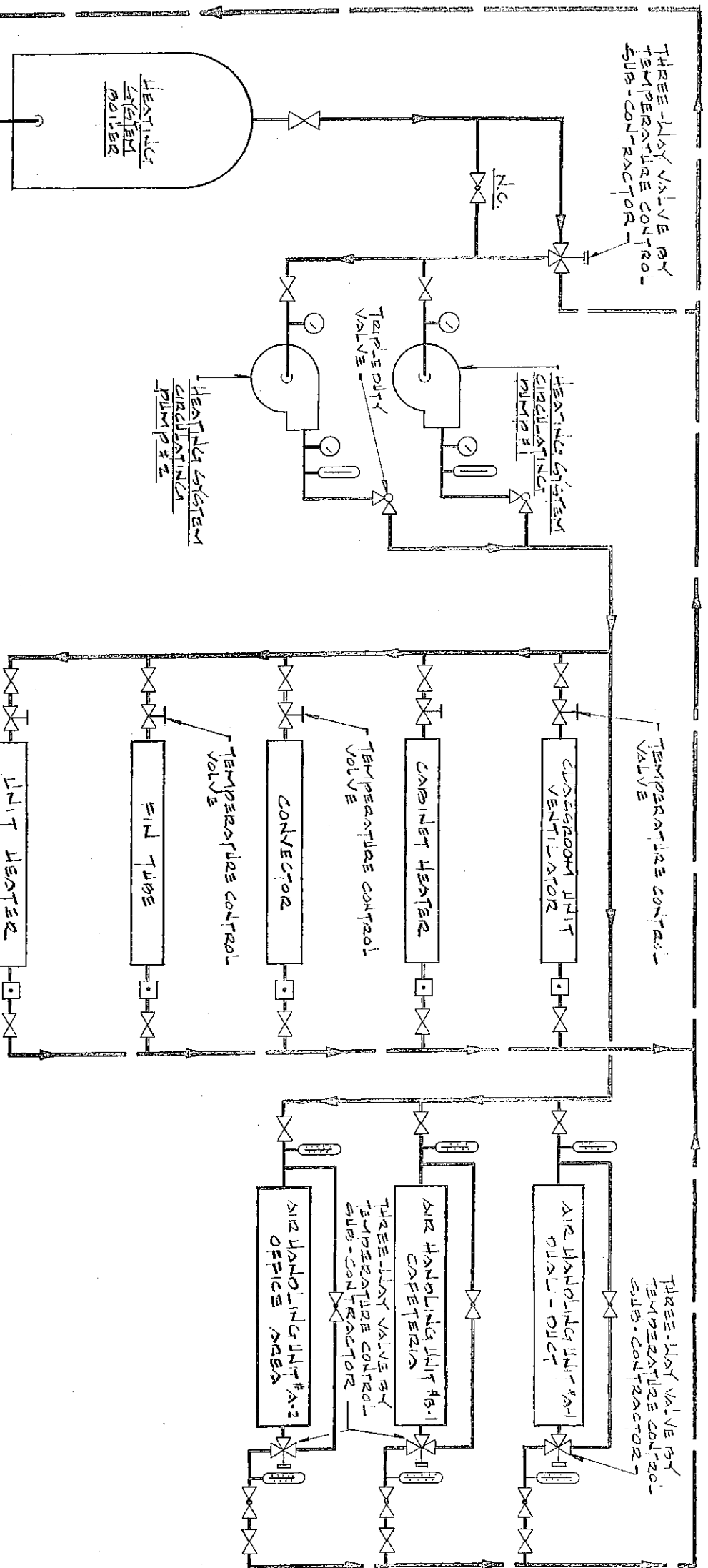
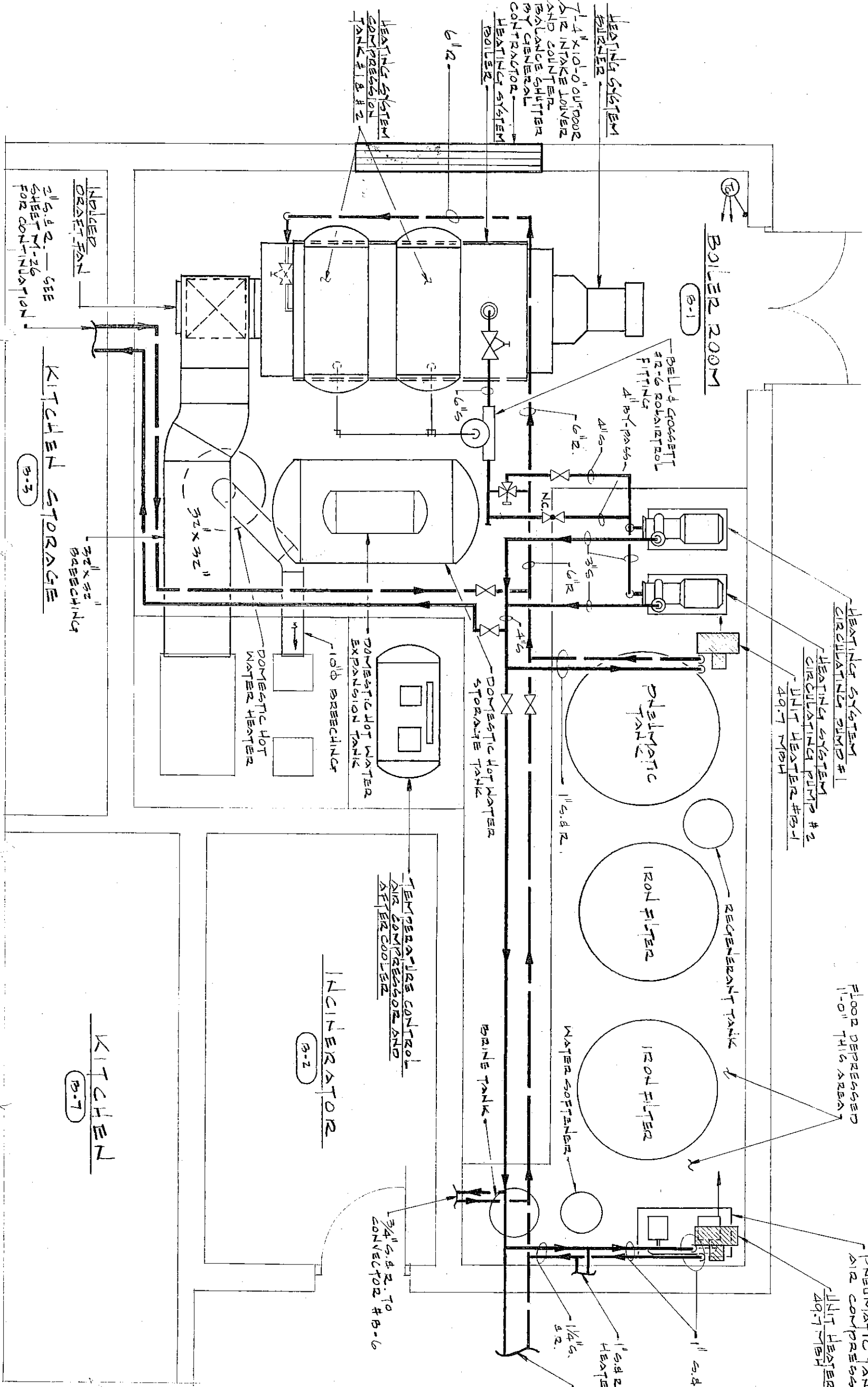


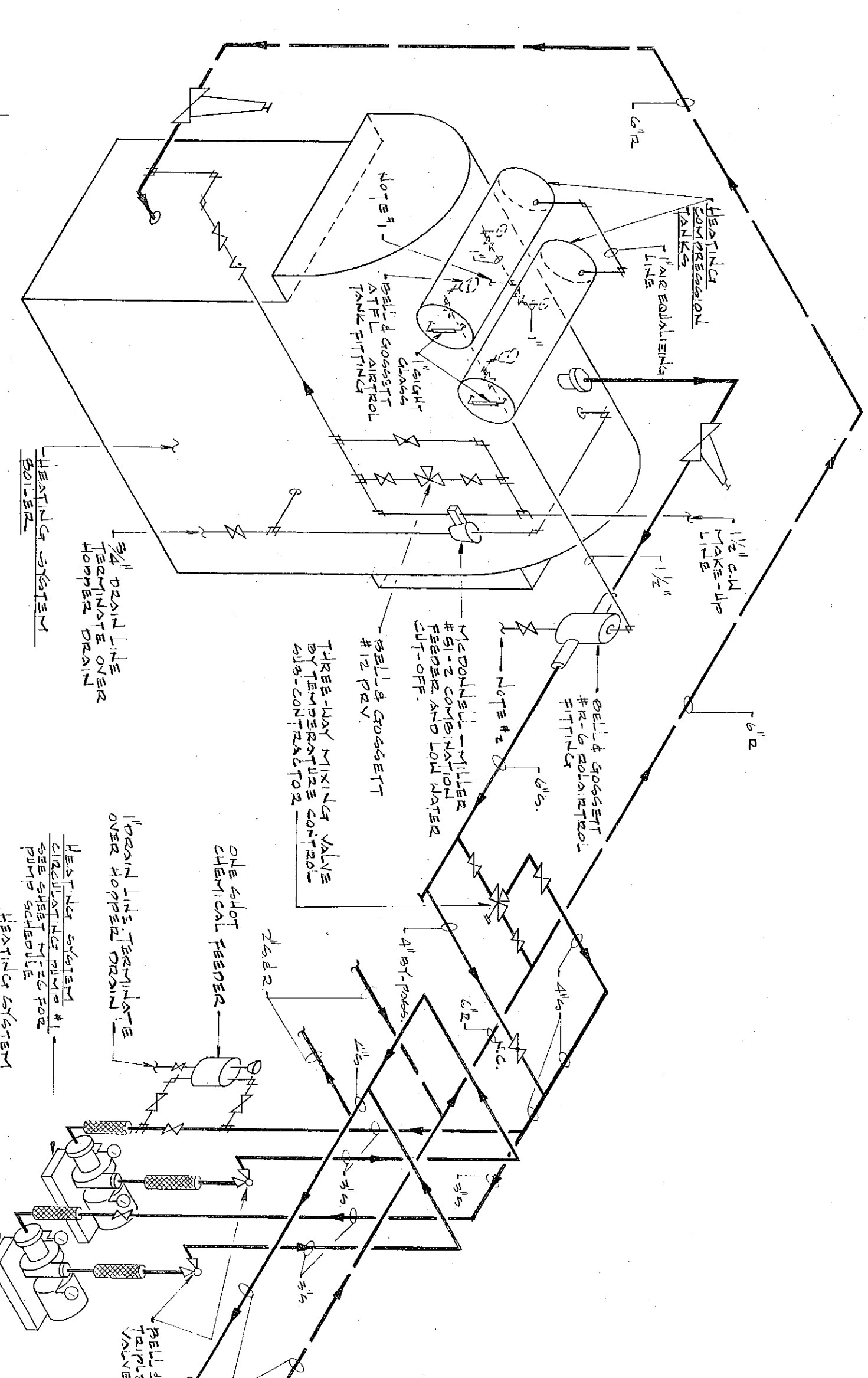


HEATING SYSTEM SCHEMATIC DIAGRAM
NO SCALE

1. The heating system is a hot water system, and the water is circulated by a pump.
2. The water is heated in the boiler, and the heat is transferred to the radiators in the rooms.
3. The water then returns to the boiler, and the cycle is repeated.
4. The system is controlled by a thermostat, which turns the pump on and off as needed.
5. The radiators are made of cast iron, and they are painted black.
6. The boiler is made of steel, and it is painted black.
7. The pump is made of cast iron, and it is painted black.
8. The valves are made of brass, and they are painted black.
9. The pipes are made of steel, and they are painted black.
10. The system is designed to operate at a pressure of 100 psi.
11. The system is designed to operate at a temperature of 180°F.
12. The system is designed to operate at a flow rate of 100 gpm.
13. The system is designed to operate at a head of 100 ft.
14. The system is designed to operate at a power of 100 hp.
15. The system is designed to operate at a cost of \$100,000.



HEATING AND VENTILATING BOILER ROOM LAYOUT
SCALE: 1/4" = 1'-0"

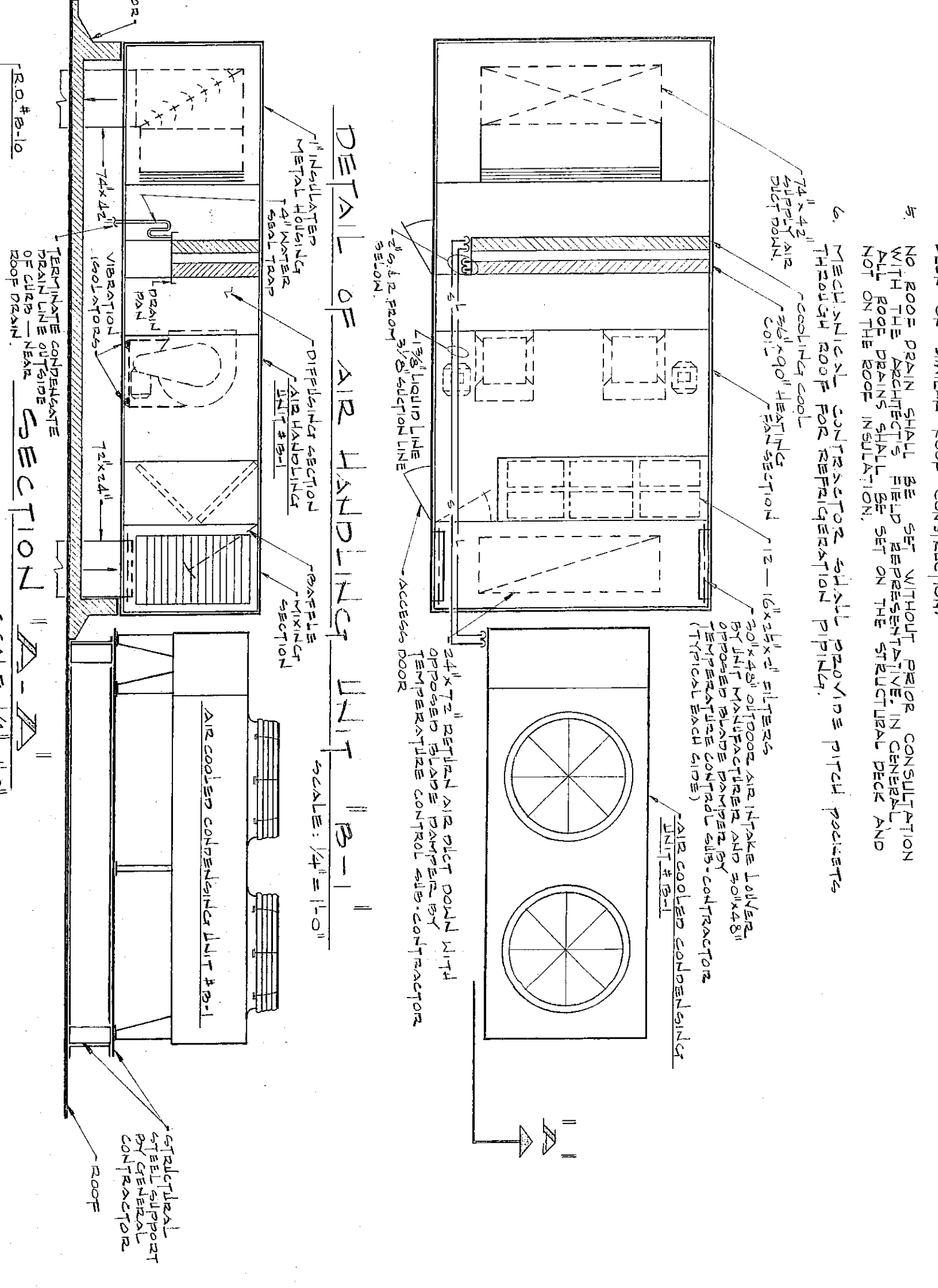


Notes:
1. 1/2" radiating panel type water valve.
2. 1" radiating panel type water valve.

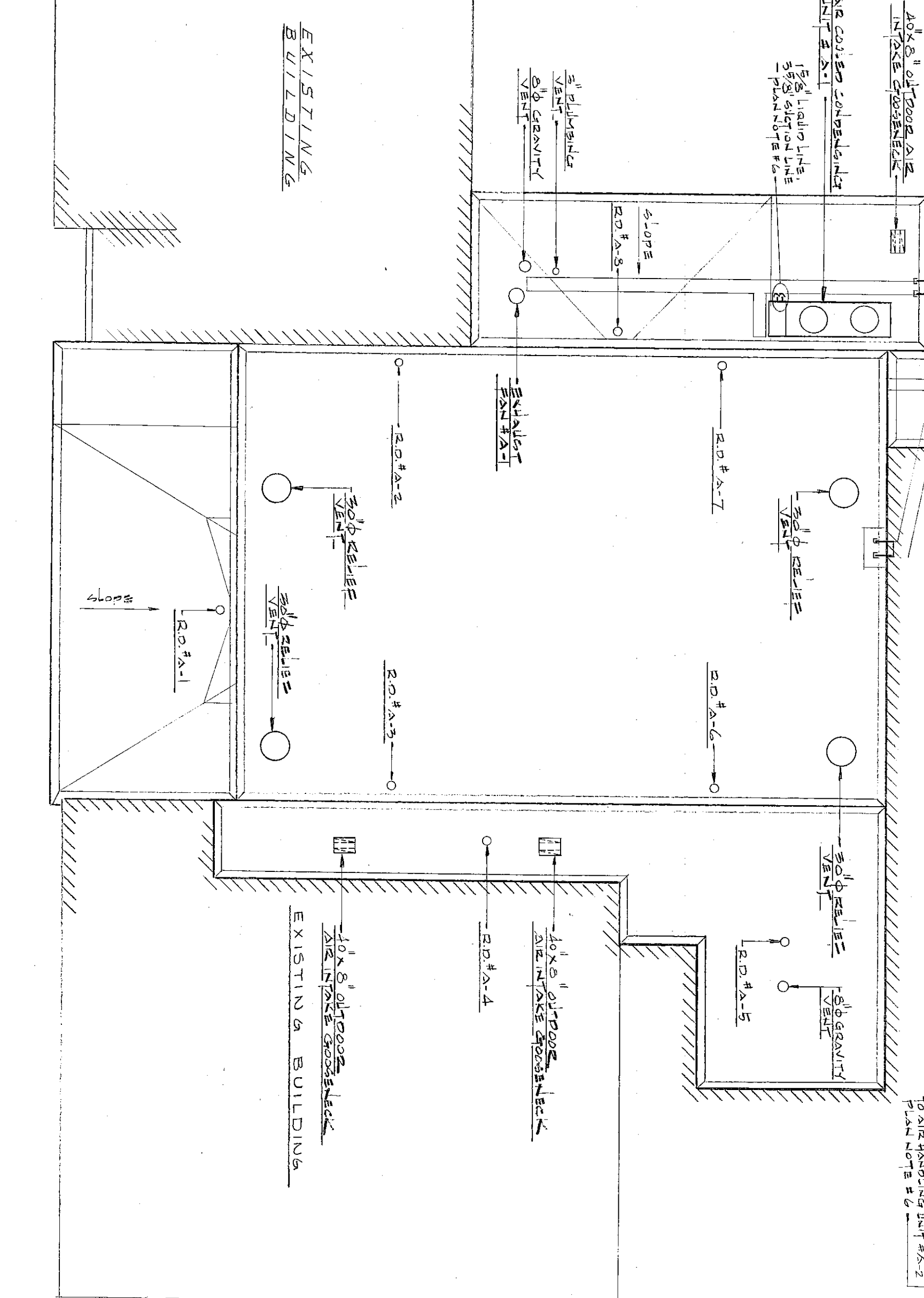
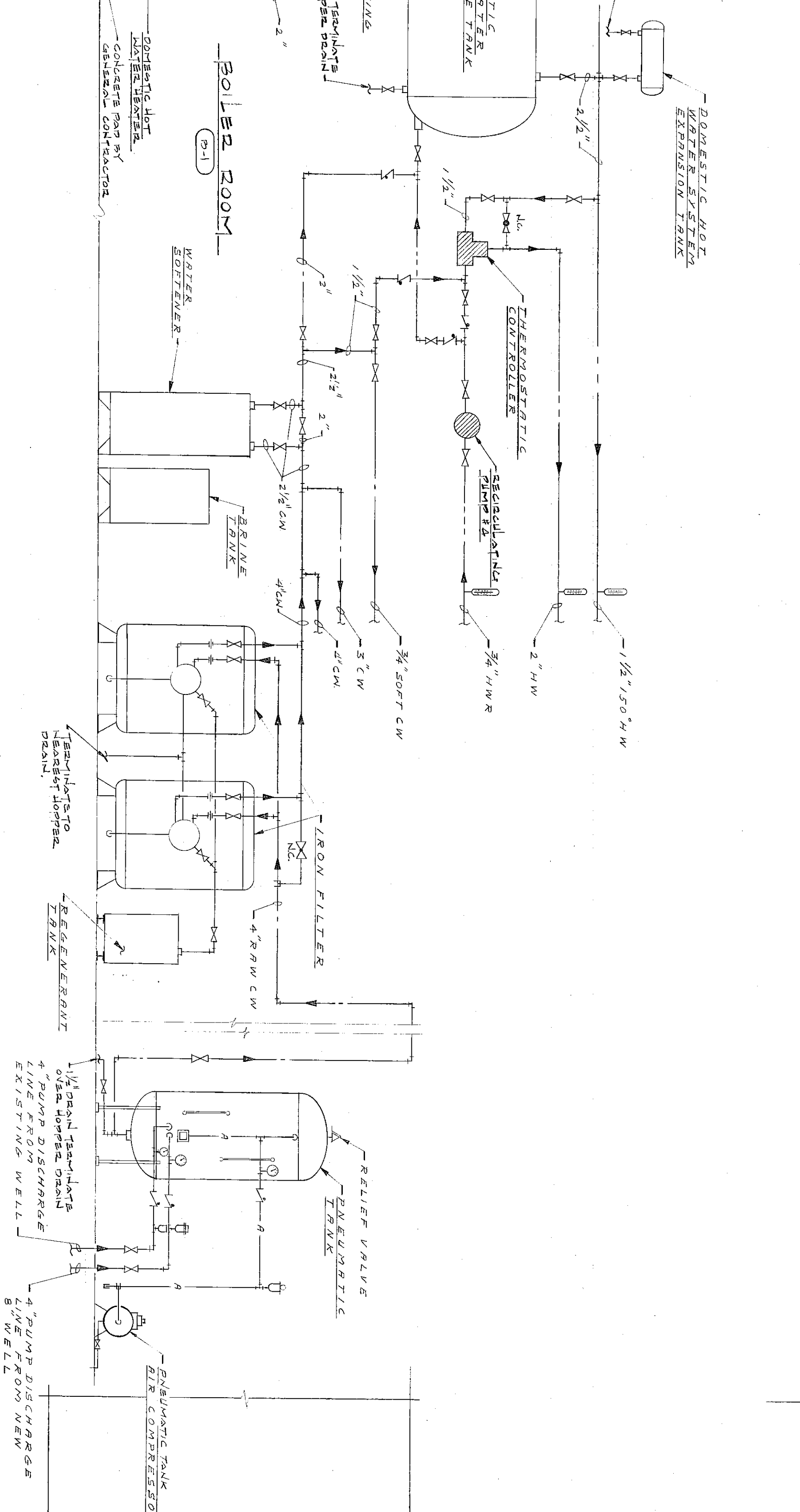
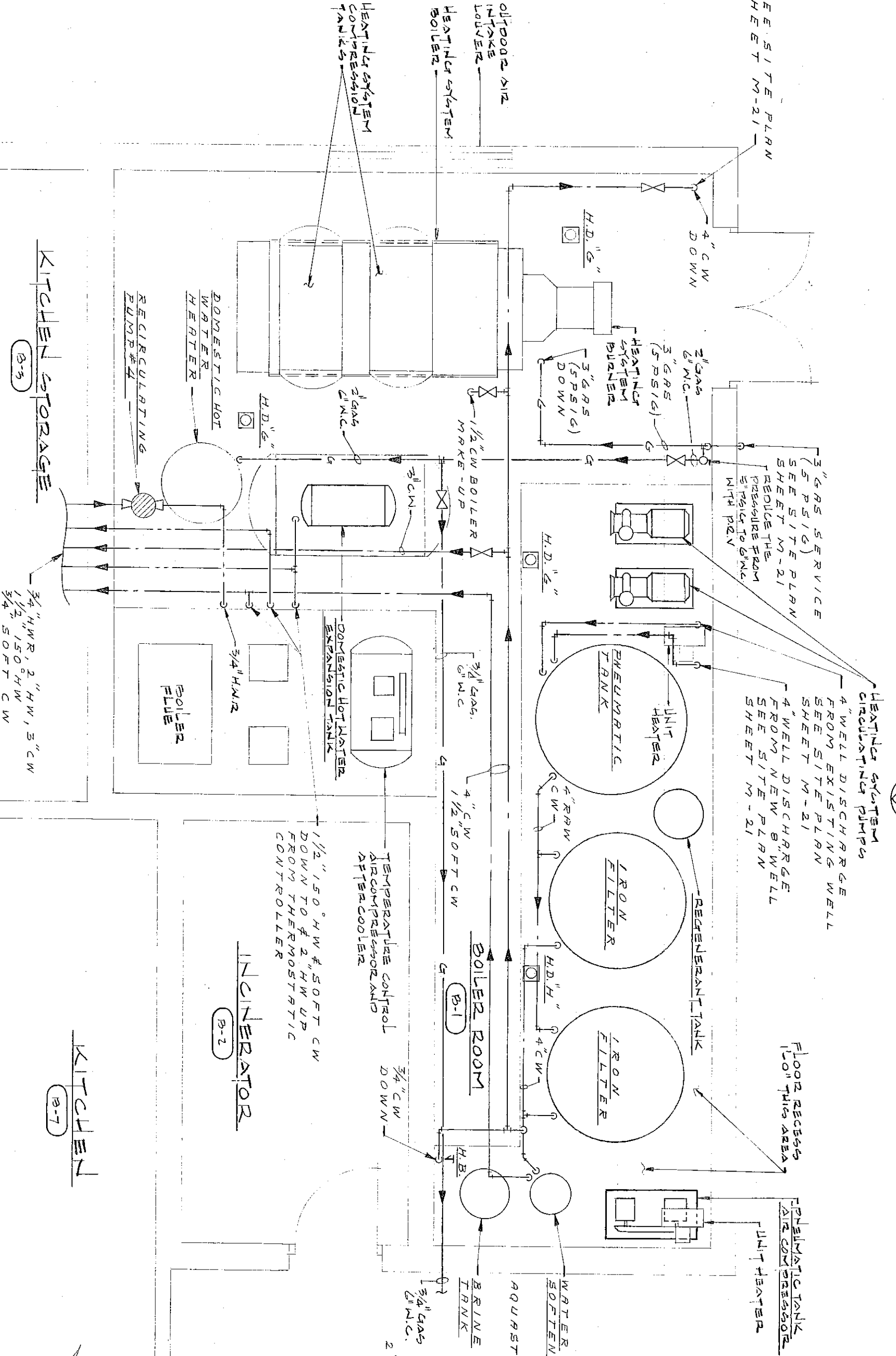
HEATING SYSTEM PIPING DIAGRAM
NO SCALE

ROOM	DRAIN NUMBER	SIZE	LENGTH	JOHN	W/ST
B-1	1	4"	10'-0"	1/2"	1/2"
B-2	2	4"	10'-0"	1/2"	1/2"
B-3	3	4"	10'-0"	1/2"	1/2"
B-4	4	4"	10'-0"	1/2"	1/2"
B-5	5	4"	10'-0"	1/2"	1/2"
B-6	6	4"	10'-0"	1/2"	1/2"
B-7	7	4"	10'-0"	1/2"	1/2"
B-8	8	4"	10'-0"	1/2"	1/2"
B-9	9	4"	10'-0"	1/2"	1/2"
B-10	10	4"	10'-0"	1/2"	1/2"

ROOM	DRAIN NUMBER	SIZE	LENGTH	JOHN	W/ST
B-1	1	4"	10'-0"	1/2"	1/2"
B-2	2	4"	10'-0"	1/2"	1/2"
B-3	3	4"	10'-0"	1/2"	1/2"
B-4	4	4"	10'-0"	1/2"	1/2"
B-5	5	4"	10'-0"	1/2"	1/2"
B-6	6	4"	10'-0"	1/2"	1/2"
B-7	7	4"	10'-0"	1/2"	1/2"
B-8	8	4"	10'-0"	1/2"	1/2"
B-9	9	4"	10'-0"	1/2"	1/2"
B-10	10	4"	10'-0"	1/2"	1/2"



DETAIL OF AIR HANDLING UNIT
SCALE: 1/4" = 1'-0"



DOMESTIC WATER SYSTEM PIPING SCHEMATIC
NO SCALE

MECHANICAL ROOF PLAN
SCALE: 1/4" = 1'-0"