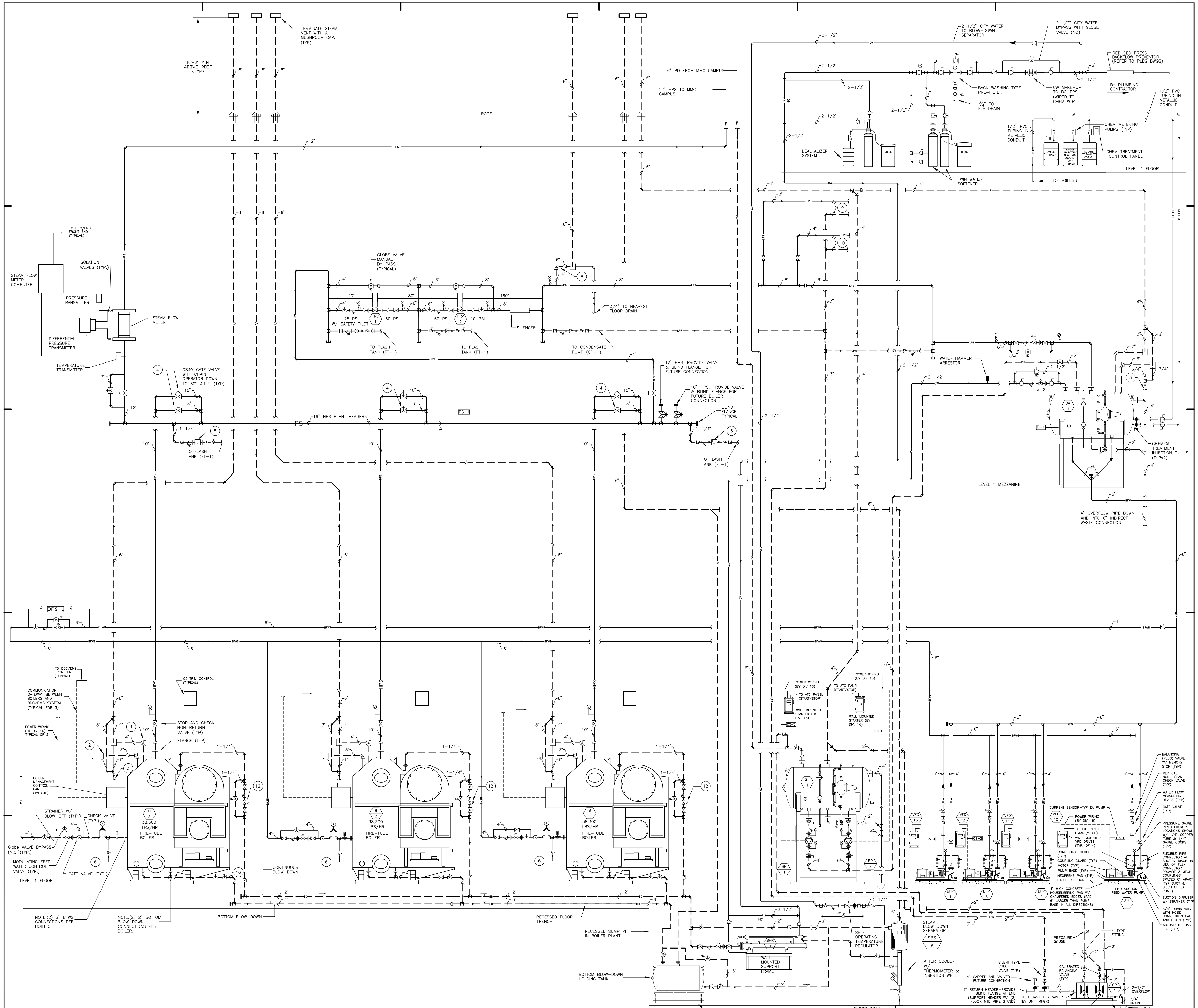

General Notes:

1. SAFETY RELIEF VALVE SET AT 150 PSIG. 4" INLET x 6" OUTLET, 250# CLASS WITH FLANGE CONNECTION (TYPICAL x 2 FOR EACH BOILER).
2. DRIP PAN ELBOW WITH 1" DRAIN PIPE TO FLOOR DRAIN; (TYPICAL x 2 PER BOILER).
3. 1" DRAIN PIPE TO FLOOR DRAIN.
4. 3" HPS OS&Y WARM-UP VALVE.
5. 1-1/4" HPR WITH HPS MAIN DRIP TRAPS. STEAM TRAP BASED ON SPIRAX SARCO INVERTED BUCKET TRAP (250# CLASS) SIZE B42-125; (4,000 LBS/HR CAPACITY) TYPICAL.
6. 3/4" DRAIN VALVES WITH CAP AND CHAIN. (TYPICAL).
7. DEAERATOR (DA-1) TANK SAFETY RELIEF VALVE 2-1/2" INLET x 3" OUTLET SET AT 50 PSIG (250# CLASS) WITH FLANGED CONNECTIONS; 6,000 LBS/HR CAPACITY EA.
8. SAFETY RELIEF VALVE SET AT 20 PSIG 4" INLET x 6" OUTLET (250# CLASS) WITH FLANGE CONNECTIONS.
9. 3" LPS AND 1-1/2" LPR TO LEVEL 2 AHU-2 AND LEVEL 2 HEATING EQUIPMENT.
10. 4" LPS AND 2-1/2" LPR TO LEVEL 1 AHU-1 AND LEVEL 1 HEATING EQUIPMENT.
11. BOILER BOTTOM BLOW DOWN. VALVES: (1) SLOW OPENING AND (1) QUICK OPENING. TYPICAL FOR ALL 3 BOILERS.
12. BOILER SURFACE (CONTINUOUS) BLOWDOWN CONTROLLED ORIFICE VALVE WIRED TO CHEMICAL WATER TREATMENT PANEL. (TYPICAL FOR ALL THREE BOILERS).

MARK	ISSUE DATE	DESCRIPTION
PERMIT	09/24/04	PERMIT SET - NOT FOR CONSTRUCTION

FOR PERMIT ONLY - NOT FOR CONSTRUCTION

Issue Log

Key Plan

TRO
Architecture
Planning
Engineering
Interior Design
The Ritchie Organization
80 Bridge Street
Newton, MA 02458-1134
617-969-9400

Maine Medical Center
Central Utility Plant
Portland, Maine

Drawing Title
MECHANICAL CENTRAL UTILTITY PLANT STEAM SYSTEM SCHEMATIC

Commission No.	4677	Date Issued	
Scale	NTS	Sheet Number	
Drawn By	MC		M502
Approved By	MC		
Filename	4677H502		

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