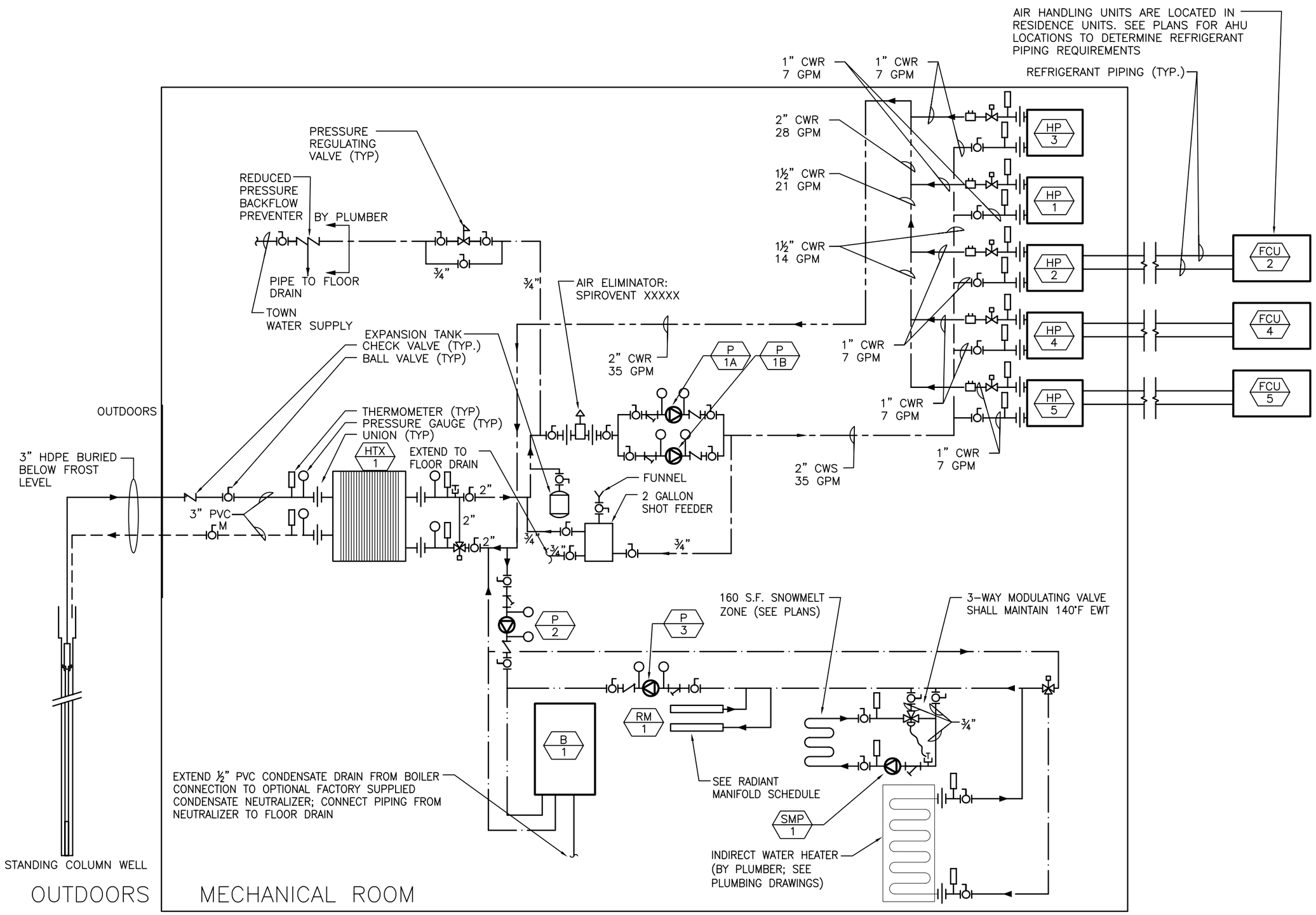
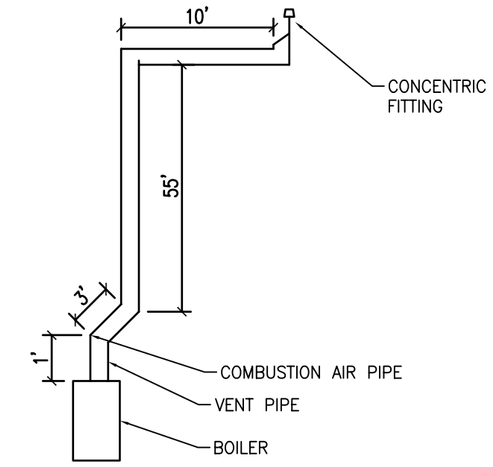
NOTE: CONDENSER WATER PIPING SYSTEM AND HOT WATER PIPING SYSTEM SHALL BE FILLED WITH A 30% PROPYLENE GLYCOL SOLUTION.

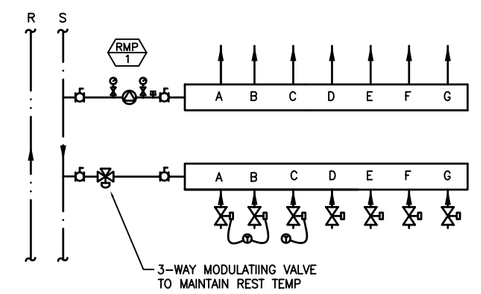


HVAC PIPING SCHEMATIC | N.T.S.



BOILER VENT/COMBUSTION AIR PIPE LENGTH
(MAXIMUM 100 FEET EQUIVALENT LENGTH EACH):
1'+3'+55'+10'+(1) 90° ELBOW @ 5'/ELBOW+(3)
45° ELBOWS @ 3'/ELBOW+3' (CONCENTRIC VENT)=86'

BOILER VENT LENGTH CALCULATION | N.T.S.



ZONE ROOM COVERAGE

LOOP	ROOM	TUBE SIZE	AREA(S.F)	TUBING DIST. (O.C.)
A	5 BRIGHAM ST BASMENT	EXISTING	185	12"
B	5 BRIGHAM ST BASMENT	EXISTING	185	12"
C	6 BRIGHAM ST FIRST FLOOR BATH	5/16"	20	7"
D	6 BRIGHAM ST 2ND FLOOR BEDROOM	5/16"	75	7"
E	5 BRIGHAM ST 2ND FLOOR BEDROOM	5/16"	90	7"
F	5 BRIGHAM ST 2ND FLOOR BEDROOM	5/16"	90	7"
G	5 BRIGHAM ST 2ND FLOOR BATH	5/16"	15	7"

O.A. RESET SCHEDULE*

O.A. TEMP (°F)	E.W.T (°F)
<20	105
50	85

* EACH RADIANT ZONE VALVE SHALL CLOSE IF THE FORCED AIR SYSTEM SERVING THE ZONE IS IN COOLING MODE

RADIANT FLOOR – MANIFOLD # RM-1 DETAIL | N.T.S.

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RUSSELL TREMAINE
ARCHITECT

MAY 16, 2008

5 & 6 BRIGHAM STREET
EAST BOSTON, MA

HVAC PIPING SCHEMATIC
N.T.S.

H7