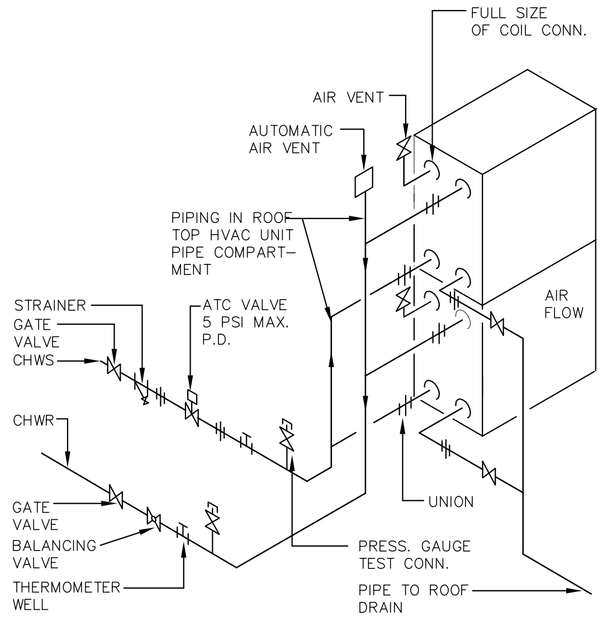
NOTES:

1. HOOK UP COIL COUNTERFLOW
2. FOR ACCESS TO VALVES, STRAINERS ETC. COMPLY WITH "ACCESS DOORS" IN SPECS. PROVIDE ACCESS DOOR IN SHEET METAL FOR CLEANING OF COIL SURFACES
3. SIMILAR PIPING ARRANGEMENT FOR VARIABLE AIR VOLUME TERMINAL UNIT COILS
4. SHUT OFF GATE VALVES MUST BE SCREWED OF FLANGED (NOT SWEAT)

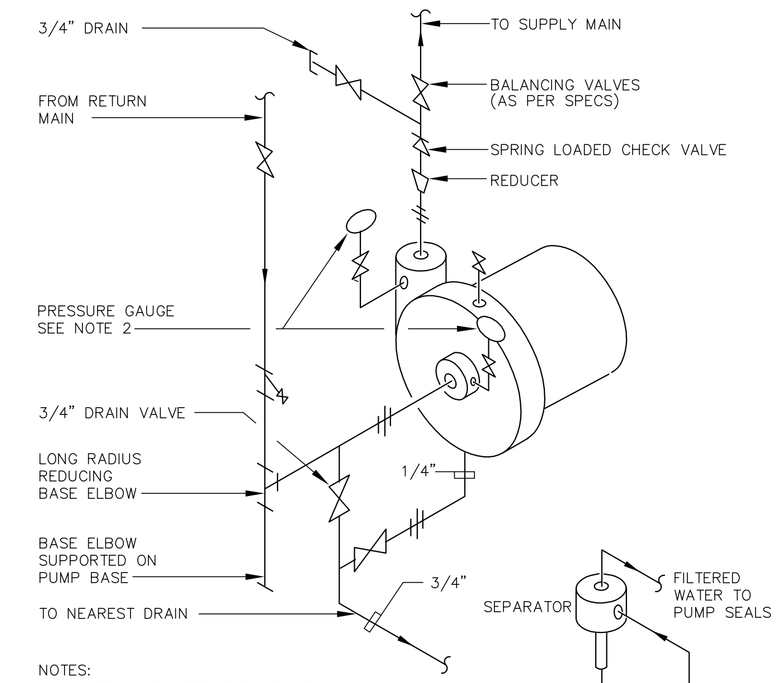
HOT WATER HEATING COIL PIPING

NOT TO SCALE



CHILLED WATER COIL PIPING

NOT TO SCALE



NOTES:

1. PROVIDE SUFFICIENT SPACE BETWEEN MAIN AND PUMP INLET TO PERMIT REMOVAL OF IMPELLER. FOR PUMPS WITH FLANGE INLET PROVIDE SPOOL PIECE FOR IMPELLER REMOVAL.
2. INSTALL PRESSURE GAUGES FOR 150% OF WORKING PRESSURE IN 1/4" TAPPING PROVIDED BY VENDOR. IF TAPS ARE NOT PROVIDED, PROVIDE IN PIPING.

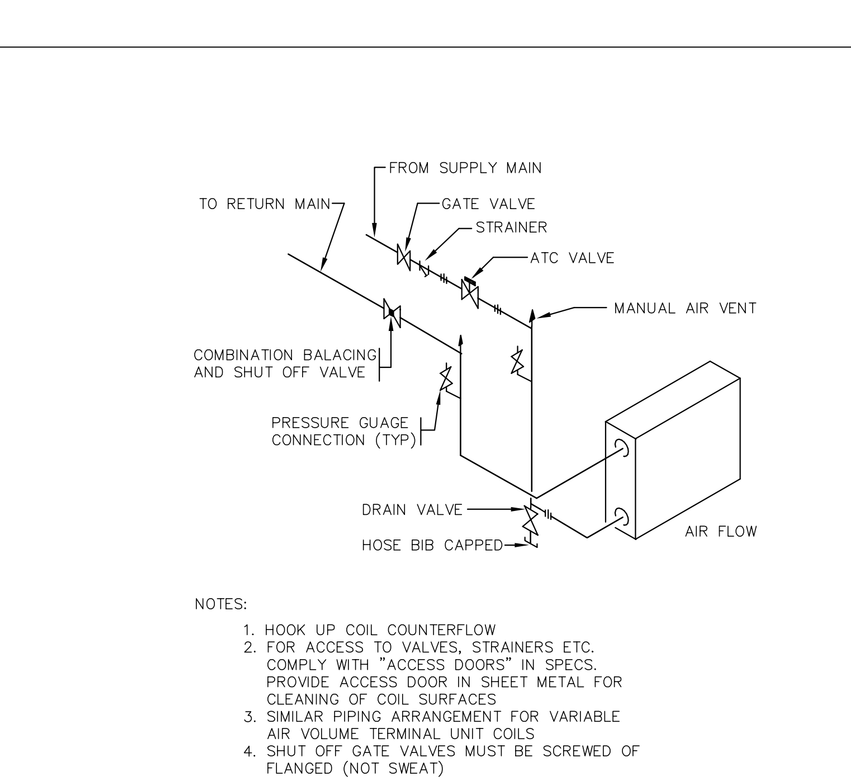
ABRASIVE SEPARATOR PIPING
(SEE SPECIFICATIONS)

WATER PUMP PIPING END SUCTION PUMP DETAIL

NOT TO SCALE

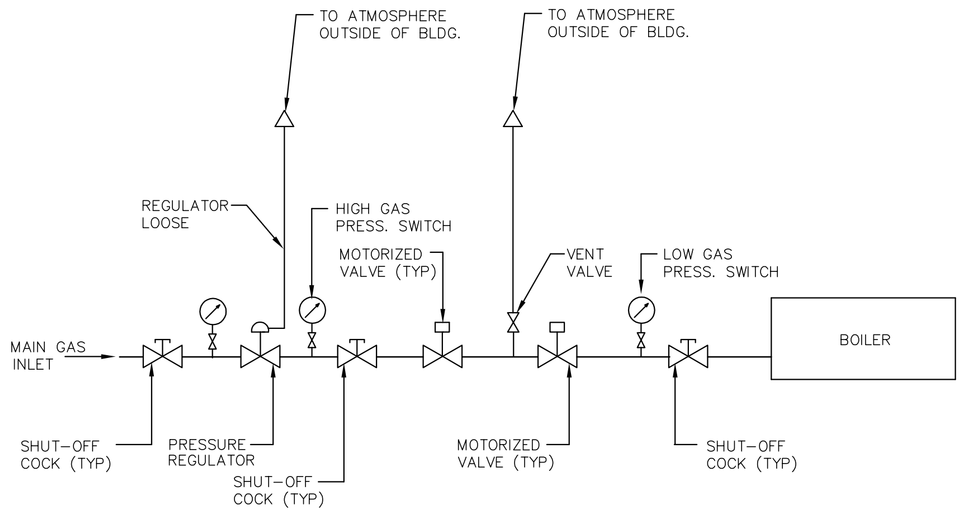
NOTES

1. COMBINATION BALANCING VALVE WITH "MEMORY STOP" MAY BE SUBSTITUTED FOR SEPARATE BALANCING COCK AND GATE VALVE. VALVE MAY BE EITHER ANGLE OR STRAIGHT THROUGH TYPE WITH UNION END. VALVE SHALL BE LINE SIZE.
2. PROVIDE REDUCERS WHERE REQUIRED ON THE INLET AND OUTLET OF HEATING ELEMENT
3. VALVE SHALL BE LINE SIZE.



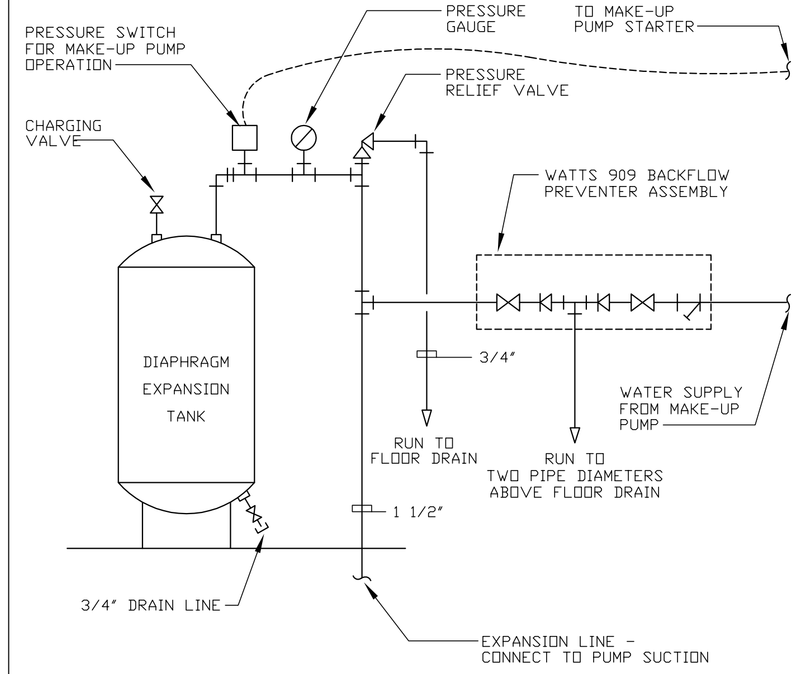
ONE (1) HIGH HOT WATER FIN TUBE RADIATION DOWN FEED PIPING

NOT TO SCALE



GAS TRAIN DIAGRAM

NOT TO SCALE



NOTE:

1. USE ONLY WHERE DOMESTIC WATER PRESS IS HIGHER THAN INITIAL TANK CHARGE PRESS AND WHERE DIRECT DOMESTIC WATER CONNECTION IS ALLOWED.

COMPRESSION TANK DETAIL DIAPHRAGM TYPE

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REVISIONS

NO.	DESCRIPTION	DATE

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DESIGNED BY: XX

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SHEET TITLE

MECHANICAL DETAILS II

SHEET NUMBER

M502

30% NOT FOR CONSTRUCTION

Drawing: I:\2008.00 Duluth Airport\3.0 CADD\(3.4) HVAC\Dwgs\2008_M502.dwg Plotted on: 12/3/2009 9:17 AM Plotted by: John Hayward