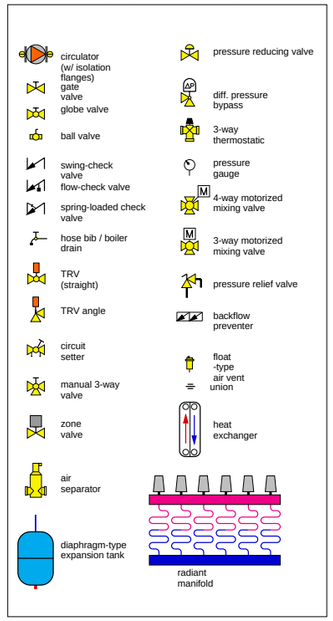
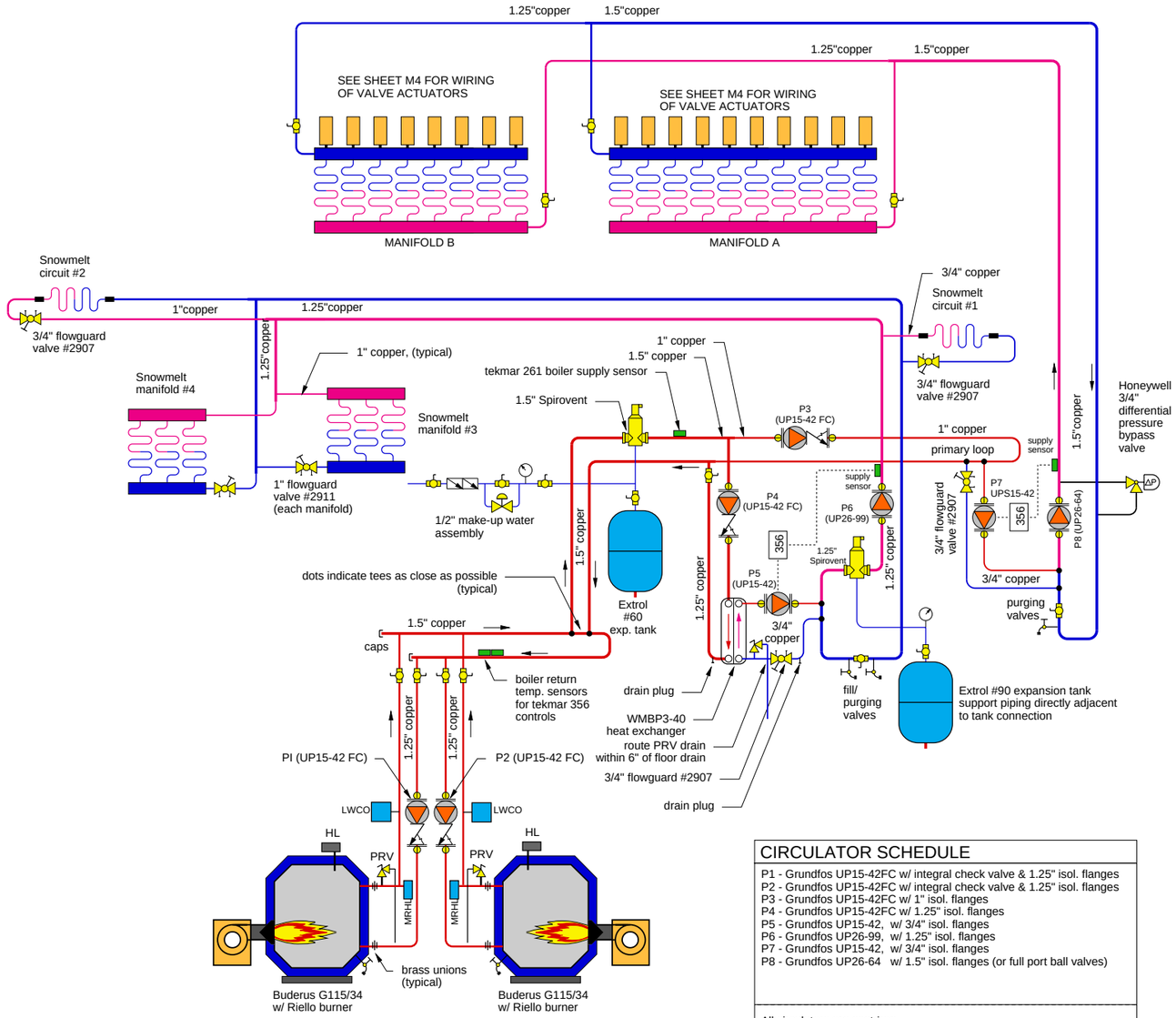
PIPING SYMBOL LEGEND





CIRCULATOR SCHEDULE

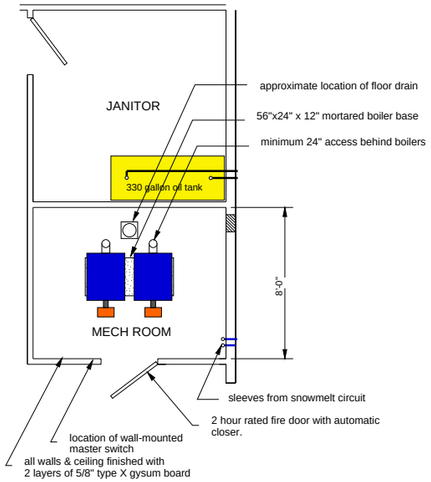
P1 - Grundfos UP15-42FC w/ integral check valve & 1.25" isol. flanges
P2 - Grundfos UP15-42FC w/ integral check valve & 1.25" isol. flanges
P3 - Grundfos UP15-42FC w/ 1" isol. flanges
P4 - Grundfos UP15-42FC w/ 1.25" isol. flanges
P5 - Grundfos UP15-42, w/ 3/4" isol. flanges
P6 - Grundfos UP26-99, w/ 1.25" isol. flanges
P7 - Grundfos UP15-42, w/ 3/4" isol. flanges
P8 - Grundfos UP26-64 w/ 1.5" isol. flanges (or full port ball valves)

All circulators are cast-iron.
All circulators are120 VAC

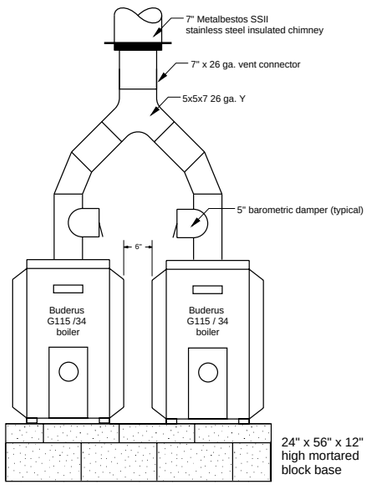
Balancing valve settings:

1. Snowmelt injection balancing valve set for 4.6 gpm when injection pump (P5) is at 100% speed.

2. Space heating injection valve set for 2.8 gpm when injection pump (P7) is operating at 100% speed.



BOILER ROOM, 1/4" =1'



BOILER MOUNTING

NOTES ON PIPING:
1. All copper tubing used in building heating circuits is type M jointed with 50/50 tin/lead solder.
2. All piping should be cleanly reamed prior to making joints.
3. All black-iron piping specified is schd. 40
4. All 3/4", and 1" horizontal copper tubing shall be supported at intervals not exceeding 6 ft.
5. All 1.25", 1.5", and 2" horizontal piping shall be supported at intervals not exceeding 8 ft.
6. All vertical piping shall be supported at intervals not exceeding 6 ft.
7. Piping shall be supported wherever possible using steel strut / clamp system.
8. Overhead piping to boiler shall be supported with 3/8" threaded rod / hanger system
9. All piping shall be installed plumb and level unless otherwise indicated.
10. All soldered joints shall be neatly wiped and cleaned of all flux / solder residue.
11. All primary / secondary connections must be made of copper tubing with tees as closely spaced as possible.

Sheet M3

project

Scale(s): as noted
drawn by: J. Siegenthaler

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