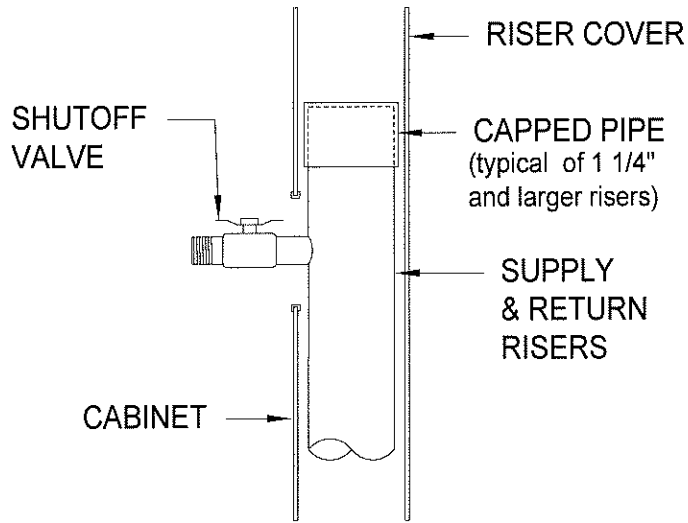


TOP TERMINATED RISER (TTR)



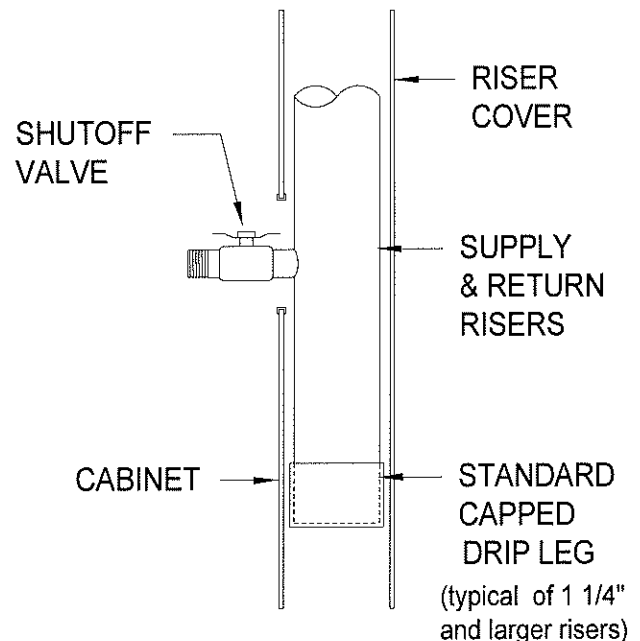
NOTES:

1. Supply and return risers terminate inside the riser cover of the top unit on each upfeed riser. Joints (except on the valves) are brazed with high temperature silver solder.
2. The air vent is located on the coil piping and is accessible through the return air opening.
3. A 2-pipe unit is supplied with one air vent and a 4-pipe unit is supplied with an air vent on each coil.
4. Ball-type shutoff valves are standard.
5. Top terminated riser units will be furnished with a condensate drain 8" beneath the bottom of the unit and will have NO CONDENSATE DRAIN RISER extending above the cabinet top.

BOTTOM TERMINATED RISER (BTR)

NOTES:

1. Supply and return risers terminate inside the riser cover of the bottom unit on each downfeed riser. Joints (except on the valves) are brazed with high temperature silver solder.
2. The shutoff valves are accessible through the return air opening.
3. Ball-type shutoff valves are standard.
4. Bottom terminated riser units will be furnished a full length condensate drain riser extending 8" beneath the bottom of the cabinet.
5. Care must be exercised to prevent freezing of water trapped in the drip leg if the system is filled and then drained during construction.



WATER SOURCE HEAT PUMPS

THE WHALEN COMPANY
EASTON, MARYLAND

TOP AND BOTTOM TERMINATED RISERS
WF VERTICAL FAN COIL UNITS

DRAWING NO. 442

OCTOBER 2004