



## AHU HOT WATER PREHEAT COIL PIPING

SCALE: NONE

- 1 FOR P/T PORT, USE PRESSURE TAP PROVIDED BY MANUFACTURER AT COIL IF AVAILABLE.
- 2 INSTALL EXTENSION AT PRESSURE TAP SO P/T PORT IS AT LEVEL OF INSULATION.
- 3 3/4 INCH THREADED HOSE CONNECTION AND CAP. THESE DRAINS ARE NOT REQUIRED IF A COIL DRAIN IS INSTALLED THAT IS LOWER THAN THE EXTERNAL PIPE TO THE COIL.
- 4 PROVIDE MANUAL AIR VENT AT THE HIGH POINT BETWEEN THE COIL AND SHUT-OFF/ISOLATION VALVE IN THE SUPPLY AND RETURN PIPING. PROVIDE 3/4" THREADED HOSE CONNECTION AND CAP
- 5 LOCATE SHUT-OFF VALVES, UNIONS AND FLANGES TO ALLOW CLEAR SPACE FOR REMOVAL OF COIL.
- 6 PROVIDE BALANCE VALVE IN HWR OF EACH COIL FOR MULTIPLE COIL ARRANGEMENT. (NOT REQUIRED IF ONLY ONE COIL)
- 7 INSTALL DRAIN, SHUT-OFF VALVE, THREADED PIPE AND CAP. PIPE DRAIN TO OUTSIDE OF CABINET AND SEAL PENETRATION. THE DRAIN IS ONLY REQUIRED IF BOTTOM OF COIL IS LOWER THAN EXTERNAL PIPE CONNECTION TO THE COIL HEADER.
- 8 INSTALL MANUAL AIR VENT, SHUT-OFF VALVE, THREADED PIPE AND CAP. PIPE VENT TO OUTSIDE OF CABINET AND SEAL PENETRATION. THIS VENT IS ONLY REQUIRED IF THE TOP OF THE COIL IS HIGHER THAN THE EXTERNAL PIPE CONNECTION TO THE COIL HEADER.
- 9 PROVIDE MANUAL AIR VENTS AT ANY HIGH POINTS IN SUPPLY AND RETURN BETWEEN COIL SHUT OFF VALVE AND MAIN. 3/4 INCH THREADED HOSE CONNECTION AND CAP.
- 10 PROVIDE WITH FLOW RATING TO MATCH THE COIL SUBMITTAL FLOWRATE, OR THE NEXT AVAILABLE FLOWRATE GREATER THAN THE COIL SUBMITTAL.