



## AHU CHILLED WATER 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 INSTALL P/T PORT UPSTREAM AND DOWNSTREAM OF CONTROL VALVE IF PORTS NOT ON VALVE.
- 4 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.
- 5 PROVIDE A MANUAL AIR VENT AT THE HIGH POINT BETWEEN THE COIL AND CHECK VALVE ON THE RETURN PIPING. 3/4 INCH THREADED HOSE CONNECTION AND CAP.
- 6 LOCATE SHUT-OFF VALVES, UNIONS AND FLANGES TO ALLOW CLEAR SPACE FOR REMOVAL OF COIL.
- 7 PROVIDE BALANCE VALVE IN CWR OF EACH COIL FOR MULTIPLE COIL ARRANGEMENT. (NOT REQUIRED IF ONLY ONE COIL)
- 8 ONLY ONE CHECK VALVE REQUIRED IN MAIN COIL RETURN FOR MULTIPLE COIL ARRANGEMENT.
- 9 INSTALL DRAIN, SHUT-OFF VALVE, THREADED PIPE AND CAP. PIPE DRAIN TO OUTSIDE OF CABINET AND SEAL PENETRATION. THIS DRAIN REQUIRED ONLY IF BOTTOM OF COIL IS LOWER THAN EXTERNAL PIPE CONNECTION TO COIL HEADER.
- 10 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.
- 11 PROVIDE A MANUAL AIR VENT AT THE HIGH POINT BETWEEN THE SHUT OFF VALVE AND STRAINER ON THE SUPPLY PIPING. 3/4 INCH THREADED HOSE CONNECTION AND CAP.
- 12 INSTALL MANUAL AIR VENT, SHUT-OFF VALVE, THREADED PIPE AND CAP. PIPE TO OUTSIDE OF CABINET AND SEAL PENETRATION. THIS VENT ONLY REQUIRED IF THE TOP OF THE COIL IS HIGHER THAN THE EXTERNAL PIPE CONNECTION TO THE COIL HEADER.
- 13 PROVIDE WITH FLOW RATING TO MATCH THE COIL SUBMITTAL FLOWRATE, OR THE NEXT AVAILABLE FLOWRATE GREATER THAN THE COIL SUBMITTAL FLOWRATE.