CHILLED WATER COIL PIPING DETAIL
(VARIABLE FLOW THROUGH COIL, FAIL TO NO COOLING)

NOTES FOR DESIGNER:
DO NOT INCLUDE ON CONSTRUCTION DRAWINGS

1. SEE SHEET 8 FOR STACKED COIL-PIPING & ADDITIONAL DESIGN NOTES.

KEYED NOTES:
1. INSTALL BALANCING VALVE WITH MINIMUM OF 3 STRAIGHT PIPE DIAMETERS UPSTREAM AND 1 STRAIGHT PIPE DIAMETER DOWNSTREAM.
2. MAINTAIN 6" MINIMUM CLEARANCE ABOVE TEST PLUG TO ALLOW GAUGE TO BE INSERTED. DO NOT COVER PLUG WITH INSULATION.
3. INSTALL SWING JOINTS AT COIL CONNECTIONS.
4. CONNECT BRANCH LINES FROM COIL INTO TOP OR SIDE OF SUPPLY AND RETURN MAINS. CONNECTING INTO BOTTOM OF MAIN IS NOT ACCEPTABLE.
5. INSTALL MANUAL AIR VENTS IN SUPPLY AND RETURN COIL BRANCH PIPING AS FOLLOWS: (A) IN PIPING HIGH POINT WHEN PIPING IS ABOVE MAIN; (B) CLOSE TO COIL WHEN PIPING IS NOT ABOVE MAIN (SIDE CONNECTION).
6. INSTALL COIL SO AIR PASSES THROUGH FINS IN PROPER DIRECTION UNLESS ON COIL.

NOTES FOR DESIGNER:
1. SCALE: NONE (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)
2. INSTALL BALANCING VALVE WITH MINIMUM OF 3 STRAIGHTPipe DIAMETERS UPSTREAM AND 1 STRAIGHT Pipe DIAMETER DOWNSTREAM.
3. INSTALL SWING JOINTS AT COIL CONNECTIONS.
4. CONNECT BRANCH LINES FROM COIL INTO TOP OR SIDE OF SUPPLY AND RETURN MAINS. CONNECTING INTO BOTTOM OF MAIN IS NOT ACCEPTABLE.
5. INSTALL MANUAL AIR VENTS IN SUPPLY AND RETURN COIL BRANCH PIPING AS FOLLOWS: (A) IN PIPING HIGH POINT WHEN PIPING IS ABOVE MAIN; (B) CLOSE TO COIL WHEN PIPING IS NOT ABOVE MAIN (SIDE CONNECTION).
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