A DEWPOINT SENSOR IS NOT REQUIRED IN EVERY SPACE. PROVIDE ENOUGH SENSORS IN STRATEGIC LOCATIONS THROUGHOUT THE FACILITY TO OBTAIN AN AVERAGE DEWPOINT TEMPERATURE. THE SENSORS ARE REQUIRED ON A CHILLED BEAM SYSTEM AS A MEANS TO RESET THE CENTRAL CHILLED BEAM COOLING LOOP SUPPLY WATER TEMPERATURE; AND NOT AS A MEANS TO CONTROL SPACE DEWPOINT.

PASSIVE CHILLED BEAM TERMINAL

POINT NAME

CHILLED BEAM CONTROL VALVE POSITION COMMAND
SPACE OCCUPANCY
CONDENSATE SENSOR STATUS
SPACE TEMPERATURE SETPOINT
SPACE TEMPERATURE
SPACE DEWPOINT

HARDWARE POINTS

BI | BO | AI | AD | AV | BV | SCH | TREND | BAC | EMCS | DESCRIPTION | ALARM | SHOW | ON GRAPHIC | NOTES
---|----|----|----|----|----|-----|-------|------|-----|-------------|-------|------|------------|--------
X  |    |    |    |    |    |     | X     |      |     |             |       | X    |           | FAIL CLOSED
X  |    |    |    |    |    |     | X     |      |     |             |       | X    |           |         
X  |    |    |    |    |    |     | X     |      |     |             |       | X    |           |         
X  |    |    |    |    |    |     | X     |      |     |             |       | X    |           |         
X  |    |    |    |    |    |     | X     |      |     | +/- 4 °F FROM SETPOINT | X    | X    |         | QUANTITY AS REQUIRED
X  |    |    |    |    |    |     | X     |      |     |             |       | X    |           |         

Software Points

NOTES

BI BO AI AO AV BV SCH TREND

DESIGN and CONSTRUCTION STANDARD
CORNELL UNIVERSITY

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