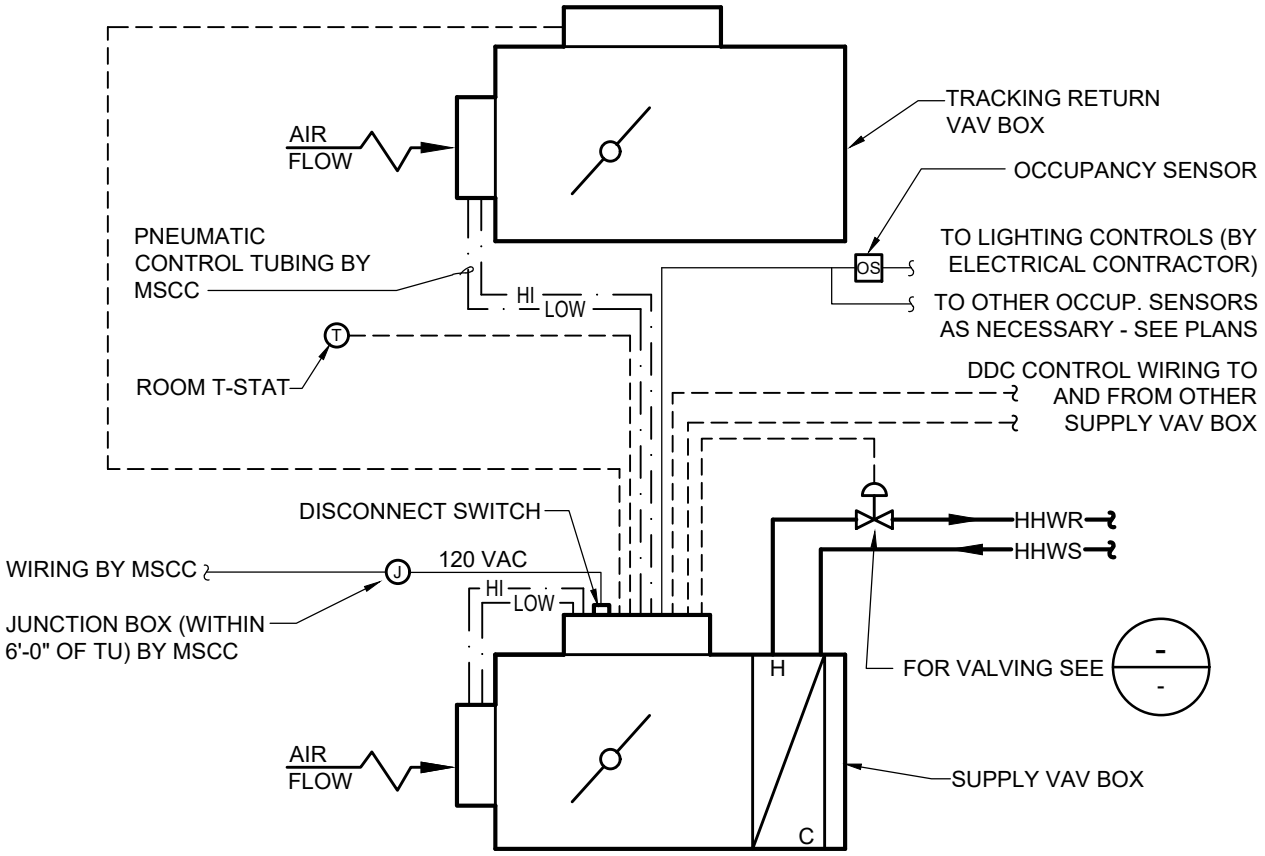

NOTES:

1. The Mechanical Systems Control Contractor (MSCC) shall be responsible for the selection of, providing & installing all DDC controllers & control devices to accomplish the sequence of operation specified herein. All products, manufacturers & installation requirements shall conform to Masterspec 230905 - "Mechanical Systems Controls".
2. The MSCC shall provide & install all DDC & related wiring, conduit & j-hook hanging systems. See Masterspec 230905 - "Mechanical Systems Controls" for raceway/conduit, cabling and labeling requirements.
3. MSCC shall integrate unit controls back to the UMH unified front end (i.e. Desigo) per standards outlined in Masterspec 230905 - "Mechanical Systems Controls"
4. The Systems Integrator (SI) shall be responsible for the integration of all DDC devices and points, point instantiation and the creation of all graphics on the UMH Desigo front-end. See Masterspec 230924 - "Systems Integration"

SEQUENCE OF OPERATION:

A. On a call for cooling, the room sensor modulates the supply and tracking return box's associated volume dampers open to increase airflow to the room, towards their maximum settings.

B. On a call for heating, the thermostat signals the supply and tracking return box's associated volume dampers to their minimum positions. A further call for heating causes the supply VAV box's associated control valve to modulate open.

Note to Editor: Delete the following paragraph and associated occupancy sensor in above diagram if occupancy sensors are not used:

C. When VAV box senses that the space is unoccupied, minimum airflow reduces to 0 CFM and the VAV box modulates to maintain temperature range of 70°F - 74°F.

TYPICAL VAV UNIT W/ REHEAT COIL & TRACKING RETURN CONTROL DIAGRAM - CC

0 NOT TO SCALE

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