

NOTES:

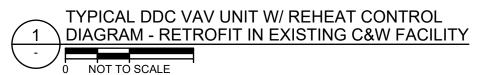
- The Mechanical Systems Control Contractor (MSCC) shall be responsible for the selection of, providing & installing all DDC controllers & control devices to accomplish the sequence of operation specified herein. All products, manufacturers & installation requirements shall conform to Masterspec 230905 - "Mechanical Systems Controls".
- 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.
- MSCC shall integrate unit controls back to the 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 thermostat signals for the heating control valve to modulate toward the closed position. On a further call for cooling, the thermostat signals for the volume damper to modulate from its minimum setting to its maximum setting.
- B. On a call for heating, the thermostat signals the volume damper to modulate towards its minimum position. On a further call for heating, the thermostat signals the heating coil valve to modulate toward the full open position.

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.





2101 Commonwealth, Suite B Ann Arbor, MI 48105 FAX: (734) 763-0417

ISSUE: August 2015

www.med.umich.edu/facilities/plan FILE: D230905H-9.dwg

TYPICAL DDC VAV UNIT W/ REHEAT
COIL CONTROL DIAGRAM - RETROFIT
IN EXISTING C&W FACILITY