

We have a current space tree with relationships. All 3 of the approved Metasys contractors have the ability to log into the Metasys system and see what is currently there.

Question: Are all the pneumatics going to be replaced?

Answer: **Yes, this is a major part of the project.**

Question: What is the pneumatic actuator box position?

Answer: **We have provided what O&M manual information we have, please see the Supporting Documentation for reference.**

Question: VAV Box Questions on Pick up tubes, CFM values? Please clarify?

Answer: **A & C -Wing VAV boxes don't have coils in them, the cooling and heating is through the HP (on roof). For the volume as requested on the SF/RF and VAV boxes, refer to Section 23 05 93 Testing, Adjusting and Balancing for HVAC. Per Section 3.2, D, they are to measure the maximum cooling and heating air volumes. See page 39. Boxes have pick up tubes but won't be utilized.**

Question: Are you retrofitting the valve on Radiators in C-wing?

Answer: **Yes, see notes in detail #1 on new valves; sheet M1.02**

Question: Is Wire Mold the preference over conduit?

Answer: **Yes but both are acceptable as per the Specifications (see sections 23 09 00 and 26 05 33.) All wire mold must be mechanically fastened.**

Question: Access to the existing VAV boxes was not provided during the job walk. Specifically, we would like to know, the type of damper shaft (plunger vs rotational dampers), what kind of flow ring is existing, and spacing to be able to install a VAV controller. Pictures would be helpful.

Answer: **There is plenty of room to work; to replace the rotational dampers for the VAV controllers, additional information is available to review in the supplied O&M manuals.**

Question: There are a handful of UNT's (N2 devices) in the building, including for the HVAC override switch panel in the boiler room. Please confirm how many of these are present and if any/all are to remain as is or be replaced with new BACnet controllers?

Answer: **The intent is for the building to be a complete system with a functional override panel. It is up to the control contractor to decide whether it is easier to keep the N2 controllers and modify the programming or to put in a newer controller. The N2 trunk only shows three (3) active controllers, two (2) override panels, and one for "zones". The zones UNT will go away because this is used to hit the pneumatic relays to start systems and after new controls are put in place, the panel should be hitting the systems directly.**

Question: For demo of existing pneumatic control devices, does the district want any items back?

Answer: **No, the only item to remain is the main air compressor.**

Question: For control valve replacement is there any documentation available on flow rates for these coils?

Answer: **The flow rates were not available in the record documents.**