Commissioning
Submittal Review

PROJECT: Nanuet UFSD –Phase 3 Projects

PROJECT NUMBER: R7W79922

Submittal Description	Nanuet Union Free School District Phase 3 Bond Projects @ Barr Middle School & Nanuet High School Control Submittal
Submittal No: **Spec Section:** **Drawing #**	Rev#3 6/3/2024 230923 Various
Reviewed by:	John Gerges
Review Date:	6.10.2024

Corrections and comments made on the submitted documents during this review do not relieve Contractor from compliance with requirements of the Contract Documents. This review is Commissioning related, focusing on general conformance with the Basis of Design & Owner's Project Requirements.

Review Comments:

1. Provide spare parts list
2. Consider submitting start up report which will include point to point verification
3. Confirm training will be provided
4. Provide colored graphics of equipment and floor plan
5. Provide alarm point for Woodshop/ART room/ Dark room Exhaust fan
6. Provide Trended point list Woodshop/ART room/ Dark room Exhaust fan
7. Missing SoO, missing Optimal start, unoccupied mode, Economizer, DX cooling for RTU-HS-4 & RTU-HS-5
8. Dehumidification controls: Should a space temperature sensor served by the RTU be below the cooling setpoint AND the relative humidity level is above 60% (adjustable), the unit shall be operated in cooling mode with hot gas reheat for the purposes of dehumidifying the space. In this mode, the discharge air temperature setpoint shall be 56 degrees F (adjustable) and the hot gas reheat coil shall reheat the air to maintain the space temperature sensor. If the space relative humidity is above 60% (adjustable), and the outside air relative humidity is below 50% (adjustable), the unit shall run in full economizer mode. This cycle shall also be triggered through a software switch in the DDC system triggered by the operators. Dehumidification shall continue until the relative humidity drops to 55% (adjustable). While performing economizer dehumidification, discharge air temperature shall be controlled through the in-duct heating coil to maintain discharge air at a minimum temperature of 70 degrees F (adjustable). RTU-HS-4 & RTU-HS-5

9. Missing SoO for heat recovery check specs P1213 of 1510 for RTu-HS-4 & RTU-HS-5
10. Provide time delay and temperature increments during setpoint reset down and up
11. Are there damper end switches to prove the position or exhaust fans
12. Confirm Fan speed will be monitored for EFs
13. Are there damper end switches to prove the position for EFs?
14. Siemens to response to each item

END OF COMMENTS