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CH Booth Library  
23 Main St.  
Newtown CT

Re: Mechanical System Replacement Demolition and Construction Sequence

-The following narrative is to explain how and in what order the demolition and construction are to be scheduled and performed. This narrative is not intended to describe each and every element to be removed or replaced but only a general outline of system removal and replacement.

- I) Rm104- Contractor to remove and replace AHU-1 and all associated piping. Piping to be capped and sealed in order to keep boiler/chiller system operable. Ductwork attached to existing AHU-1 to be reworked to connect to new AHU-1. Remove dividing partition between Rm104 and Mechanical Room to allow access for new unit. Install unit with all electrical/mechanical equipment as required. Install HP-1 on New Concrete Pad. Provide new electrical panels and service in preparation for final heat pump change out.
- II) Rm 104- remove AH-4&AH-5 & Ceiling mounted unit in Rm 107. Cut and cap all hydronic piping and replace with new AH-4 & AH-5. Remove and replace radiators at room 104 and replace with console units. Cap all hydronic piping. Remove and replace units in Rm 112,115,116 with console units. Tie all new units console and air handlers to new HP-2.
- III) Remove all console units at Rm 220,221,222 etc. replace with new console units and attach to HP-6
- IV) Remove existing AHU-2 and all associated piping and ductwork and replace with new AHU-2 and associated HP-4. Tie into existing ductwork to existing air handlers
- V) Remove radiators at Rms 138,137,136,124,132,131 and remove AH-1, AH-2, AH-8 and AH-3. Cap all hydronic piping. Replace all removed elements with new consoles and air handlers and connect to HP-5
- VI) Remove existing console units at Rms 316, 317 etc. and replace with new console units and tie into new HP-8

- VII) Remove existing air handlers AH-13, 14,15, and 7 with radiators in rooms 211,212,202 etc. provide and install HP-3
- VIII) Remove air handlers AH-10, 11, and 12 and radiators at Rms 305,304,303,302 and replace with new air handlers and console units and tie all into HP-9
- IX) Remove air handlers AH-9, and AH-7 and radiators in Rm 210, 217, 215,204,206,203 and replace with new air handlers and console units and tie into HP-7
- X) Install AHU-3A with associated HP-10. Rework ductwork as shown on plans.
- XI) Remove AHU-3 and associated ductwork and replace with new AHU-3 and tie into HP-11
- XII) As and add alternate contractor to price removal of boiler plant and chiller plant and all associated equipment.

**End**

Thank you.

Sincerely,

Peter G. Marchetti PE  
Marchetti Consulting Engineers