



ESSEX COUNTY

OFFICE OF THE MANAGER

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TO: All Bidders

FROM: Linda Wolf, CPA, Purchasing Agent

DATE: August 10, 2017

SUBJECT: Addendum #9 NUTRITION BUILDING

This Addendum, issued to bid document holders of record, indicates changes to the bid documents for the Nutrition Building Bid Opening August 15, 2017.

Please note the following Clarifications to the Bid Specifications:

Boiler Operation - The intent of the specified boiler equipment and piping configuration identified on drawing M101 is to operate both the Master Boiler and Shadow Boiler in a lead/lag configuration under the following parameters. The basis of design was chosen to specifically not need a mixing injection assembly.

- A. In-floor Heat Loop: The boilers' internal controls shall modulate the in-floor heat loop temperature based on an outdoor air reset curve and alternate operations of each boiler.
- B. Domestic Hot Water: In the event of a call for domestic hot water, the Master Boiler will take the priority call and make 180 degree F water. The Shadow Boiler will continue to operate the in-floor heating system. The Master Boiler controls will de-energize its Boiler Pump and activate the Domestic Hot Water Pump. When the domestic hot water demand is satisfied, the Master Boiler controls will revert back to the in-floor/outdoor reset protocol.
- C. Boiler Off-Line: The piping configuration per the Boiler Schematic allows for one boiler to be taken off-line while allowing for uninterrupted operation of the heating and domestic hot water demands. The Boiler Piping Schematic Note reference to manually operated valves and DHW pump control being switched is only in reference to operations during a time when one boiler is off-line.

END OF ADDENDUM # 9