

July 30, 2020

ADDENDUM #1

Tri-house HVAC and Central Plant Improvements

This addendum forms a part of the contract documents and modifies the original drawings and project manual dated December 2019. The enclosed additions, deletions, corrections, and changes shall be as binding as if incorporated in the original documents. All General Conditions, Special Conditions, etc. as originally specified shall apply to these items. Acknowledgement of receipt of this addendum will be required as part of the contract agreement.

Item 1 The bid date, bid time remain the same. Place revised.

- a. Sealed proposals will be received by the University of North Carolina at Wilmington in Wilmington, North Carolina, Project Management Department, in the Facilities Administration Building, **Conference Room #2**, up to 2:00 PM on Tuesday, August 4, 2020 and immediately thereafter publicly opened and read for the furnishing of labor, material and equipment entering into the construction of Tri-House HVAC and Central Plant Improvements.

Item 2 Drawing M-001.

- a. Added "SPECIAL SCHEDULING REQUIREMENTS" notes.
- b. Relocated Mechanical pipe legend.
- c. Removed unused items from Mechanical legend.

Item 3 Drawing MD101.

- a. Added Keyed notes 16, 17, 18 and 19.
- b. Graphically indicated gas meter being turned over to UNCW (Note-16 and -17).
- c. Graphically showed where temporary boiler plant may be placed (Note-18).
- d. Graphically showed (X)EF and thermostat that is to be demolished (Note-19).

Item 4 Drawing M-101.

- a. Added Keyed notes 15, 16, 17 and 18.
- b. Graphically showed Tee connections in HWS/HWR Piping for Temporary Skid (Note-15).
- c. Graphically noted louver locations to receive insulated back panel (Note-16).
- d. Graphically noted wall patch location of (X)EF (Note-17).
- e. Graphically noted location for contractor's option for installation of new boiler skid (Note-18).
- f. Graphically revised "A4 Natural Gas Riser".
- g. Added FCU01 and associated piping and controls.

Item 5 Drawing M-501.

- a. Added B4 Expansion Tank Detail.

- Item 6** **Drawing M-601.**
a. Added FCU01 schedule.
b. Updated Air/Dirt Separator schedule.
- Item 7** **Drawing M-602.**
a. Plant Electric Meter: Updated diagram, sequence and points list.
b. Water Meter: Updated sequence and points list.
c. Chilled Water and Heating Hot Water Btu Meter: Updated sequence and points list.
d. Natural Gas Meter: Updated sequence and points list.
e. Added FCU01 Control diagram, sequence and Points list
- Item 8** **Drawing M-603.**
a. Boiler Plant Sequence of Operations: Revised.
- Item 9** **Drawing M-604.**
a. Added Flow meter to (X)CHWS pipe on Chilled and Condenser Water Flow Diagram.
b. Added Contractor's option of 3-way valve note to butterfly valve design note.
c. Added note to distinguish area of sequence modified from original sequence.
d. Added Thermometer to HWS/HWR piping on Heating Hot Water Flow Diagram.
e. Added Thermometer to HWS/HWR piping at B1 and B2 on Heating Hot Water Flow Diagram
f. Added Pressure gauge to HWS/HWR piping on Heating Hot Water Flow Diagram.
g. Added Flow meter to HWS piping on Heating Hot Water Flow Diagram.
h. Added temporary Tee connections to HWS/HWR piping on Heating Hot Water Flow Diagram.
i. Updated Building nomenclature on all four diagrams
- Item 10** **Drawing ED101.**
a. Added Key Note 11, to remove conduit and conductors from (X)EF complete to source and label breaker spare.
- Item 11** **Drawing E-101.**
a. Provided Disc. Sw. and power for FCU01 from (X)Panel SHA.
b. Provided Disc. Sw. and power for Temporary Hot Water Skid fed from (X)Panel SHA.
- Item 12** **Drawing E-501.**
a. Provided 15A single pole breaker in (X)Panel SHA.
b. Provided 40Amp three pole breaker in (X)Panel SHA for Temporary Hot Water Skid.
c. Revised Load Summary.
- Item 13** **Specifications.**
a. Project Manual reissued with updated MBE forms (**Attachment #1**).
- Item 14** **Drawings.**
a. Issued for Bid drawing set issued reflecting revisions above (**Attachment #2**).

Item 15 Existing Drawings.

- a. Current DDC drawings (**Attachment #3**).

Item 16 DDC.

- a. It is acceptable to provide the new controllers and the equipment integration by BACnet MSTP in lieu of LON.
- b. Approved Installation Contractors: Engineered Control Solutions, Brady Trane, CMS Controls

CBHF ENGINEERS, PLLC

A handwritten signature in black ink, appearing to read 'DMH', followed by a long horizontal line extending to the right.

David M. Hahn, PE