



**Addendum No. 1 (Re-Bid)**

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Sussex Correctional Institution Programs Building HVAC & Electrical Upgrades  
OMB/DFM/DOC Contract No: MC380400068

Tt Project No. 200-26912-14006

Addendum No. 2 (Re-Bid)  
to  
Drawings and Project Manual

July 2, 2015

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To: ALL BIDDERS

This ADDENDUM forms a part of the BIDDING AND CONTRACT DOCUMENTS and modifies the following documents:

Original DRAWINGS dated June 22, 2015,  
PROJECT MANUAL dated June 22, 2015, and

Acknowledge receipt of the ADDENDUM in the space provided on the FORM OF PROPOSAL

This ADDENDUM consists of one (1) pages and the following:

**CHANGES TO PROJECT MANUAL**

- 2.1 Spec Section 00 22 13; Additional Instruction to Bidders
  - A. Article 1.2; Qualification of Bidders
    - 1. Paragraph B: **DELETE** reference to New Castle County licenses.
- 2.2 Spec Section 23 09 69; Variable Frequency Controllers
  - A. Part 2; Products, Article 2.1; Manufacturers, Paragraph B; **ADD** Siemens as an acceptable equipment manufacturer of VFD's.
- 2.3 Spec Section 23 21 13.13; Underground Hydronic Piping
  - A. Part 2; Products, General; PVC with 4 inches of rigid insulation may be used in lieu of Sheet Carrier Pipe and PVC Casing.

**CHANGES TO DRAWINGS**

- 2.4 Sheet M-101
  - A. 1<sup>st</sup> Floor Plan – Mechanical – New Work – Steel Metal and Piping.
    - 1. Women's Dormitory # 1 (135)
      - a. Contractors (Electrician & Prime Contractor) shall include cost to relocate or shift one (1) row of five (5) lights away from the new ductwork, down the drawing approximately three (3) feet.
- 2.5 Sheet M-103
  - A. Attic Pan – Mechanical – New Work – Piping

1. HWS & HWR Piping to AHU-1 shall be 2 1/2 inch. HWS & HWR Piping to VAV 3-1 shall be 3/4 inch and can be tapped off of the 1' HWS and HWR Piping to AHU-3.

2.5 Sheet M-204

- A. Variable Air Volume – AHU-1, 2 and 3; Control Schematic.
  1. **DELETE** the Air Flow Monitors in the Return and Supply air teams in their entirety.

2.6 Sheet M-401

- A. Partial
  1. HW & HWR Piping to AHU-1 shall be 2 1/2 inch. HWS & HWR Piping to VAV 3-1 shall be 3/4 inch and can be tapped off of the 1' HWS and HWR Piping to AHU-3.
  2. CHWS and CHWR to pump and back to Chiller shall be 4 inches.
  3. Provide 3/4" Make-up Water from the Boiler Room up to the Chilled Water System.
- B. Partial 1<sup>st</sup> Floor Plan – Mechanical Room – New Work
  1. CHWS and CHWR to/from Chiller shall be 4 inches.
  2. Connect New 3/4" Make-up Water Attic to existing, and route up through Attic above to Mezzanine Mechanical Room for Chilled Water System.

**CLARIFICATIONS/REQUESTS FOR INFORMATION**

2.7 Joseph M. Zimmer, Inc. Contractors: RFI- 0-1, dated June 23, 2015.

1. Spec Section 00 01 15 List of Drawings: MD-103 Listed, Not in drawing set.

**Response:** There is no sheet MD-103 in the set. List of Drawings will be updated.

2. Does not List M-103, M-702, M-703, M-704 & E-402, please clarify.

**Response:** List of drawings was updated in Addendum No. 1.

3. Sec Section 00 22 13, 1.2b.
  - a. Do we need to have a New Castle County License or will a State of Delaware license be acceptable.

**Response:** No; just the State of Delaware. Spec Section has been revised.

4. The Drawings Notes state to clean existing duct. Please issue Spec for Duct Cleaning.

**Response:** Duct cleaning has already been specified under spec section 23 21 13: Metal Ducts, Article 3.6; Duct Cleaning

5. Will the New Duct in the dorms need to be painted?

**Response:** The exposed duct will need to come with paintable galvanized surface; Painting will be by others.

6. Will the New AHU's come with extra filters.

**Response:** No; the spec section (23 00 00) that requires two (2) sets of spare filters was not issued to the Equipment Vendors during Pre-Purchase Bid. As a result two (2) sets of spare filters will need to be provided under this Contract in accordance with specification section 23 00 00. One (1) set of filters will be provided with the units.

7. Drawing M-401:

- a. Drawing only shows the 2 chilled water pumps. I assume the chilled water system will require an expansion tank, air separator and chemical feed tank. Please issue drawing & equipment schedule showing the location of this equipment.

**Response:** The required piping details in order to bid and construct the job are on Sheet M-603

8. Please issue drawing showing where we get the make-up water from.

**Response:** Make-up water is available from the Boiler Room, Refer to further directions in this addendum.

9. Does SCI have a preferred water treatment company?

**Response:** Limbach Company, LLC (215)488-9700 has the current contract.

10. What is the width of the double doors leading into the attic?

**Response:** Two (2) 36 inch doors. (72 inches)

11. Do you have any elevations of the existing utilities that the chilled water crosses?

**Response:** No elevation. The Site Plans are fairly accurate. Per the drawings the Contractor is required to hire a 3<sup>rd</sup> Party Site Locator to wand and stake out the job. There are four (4) feet deep concrete footers under the entire inner and outer fence line.

2.8 Joseph M. Zimmer, Inc. Contractors: RFI-0-2, dated June 23, 2015.

1. Please issue a drawing or explain in more detail what the concrete footer or wall looks like under the existing fences where the chilled water needs to pass through.

**Response:** There are two (2) concrete footers, 4 feet deep along the entire inner and outer fence line.

2. Will I be able to cut the railing at the top of the stairs leading to the attic, and replace it after we put the equipment in the attic?

**Response:** Yes.

3. Drawing M-102:

- a. Has a detail showing support steel for the roof penetration, Can you tell me what material the roof joist are? (Wood or Steel)

**Response:** Wood.

4. AHU-3 comes with a 6" base rail, do we still need to furnish and install another 6" base rail?

**Response:** No; one base rail is sufficient.

5. ERV comes with a 6" base rail, do we still need to furnish and install another 6" base rail?

**Response:** No; one base rail is sufficient.

2.9 Joseph M. Zimmer, Inc. Contractors: RFI-0-3, dated June 23, 2015

1. Drawing M-103, VAV 3-1 needs to have heating water. Please clarify if this terminal unit gets heating water.

**Response:** Yes; VAV 3-1 needs to have heat. Provide 3/4 inch supply and return line. Branch off of the 1" HWS and HWR line to AHU-3. Provide valves, fittings and Controls per the details.

2.10 Joseph M. Zimmer, Inc. Contractors: RFI-04; dated July 2, 2015

1. Can we use PVC for the underground chilled water?

**Response:** Yes: refer to further directions provided under this addendum.

**END OF ADDENDUM 01 – Re-Bid**

Attachments: