

**VETERANS AFFAIRS MEDICAL CENTER
BUILDING 110B COOLING TOWERS (9690.150)
HAMPTON, VIRGINIA
VA246-13-B-0958**

**SHRIVER & HOLLAND ASSOCIATES
ARCHITECTS**

PRE-BID QUESTIONS FOR SOLICITATION RESPONSE NO. 02

May 23, 2013

1. The reference [Section 23 21 13, page 17, part K. This section refers to another section labeled as 23 07 11 HVAC, PLUMBING, and BOILER PLANT INSULATION. This section is not supplied in the specification] does not address the pipe insulation requirement. This is a relatively big ticket item 50-60k. The addendum deletes 23 21 13 in its entirety but did not address or clarify the requirement for 23 07 11. We do not think that the government is deleting the insulation requirement. Can you please clarify that insulation is required and the government's preference?

A: Addendum 1 did not delete section 23 21 13 in its entirety. Pipe insulation is required. See Addendum No. 3.

2. I was reviewing the Amendments that have been issued for [Building 110B Cooling Tower Replacement] and I would like to get some clarification from you. In Amendment 00002, an RFI question was asked if the 4th unit was to be a deduct. The government's answer to this question was to look at Spec Section 01 00 00 Paragraph 1.2.B. Per the specs, there is not Paragraph 1.2.B. Can you please clarify this for me?

A: The 4th cooling tower unit will not be a deduct, all cooling towers are part of the base bid. See Addendum No. 3.

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ADDENDUM NO. THREE (3)

May 23, 2013

Except as may be otherwise described, bidding requirements, materials, and workmanship for the work described herein shall conform to all requirements of the original Contract Documents. The following Addendum to the previously issued addenda, specifications, and drawings are made a part of the project and takes precedence over the section of previously issued addenda, the specifications, in part, as originally written and over the drawings, in part, as originally drawn and/or written.

This Addendum consists of 3 written page(s):

I. SPECIFICATIONS:

SECTION 01 00 00 – GENERAL REQUIREMENTS

1. 1.6.F.1.: REVISE “two (2)” to read: “three (3)”.
2. 1.6.H.1.Phase II.: REVISE “Seventy-Seven (77) calendar days” to read: “Ninety-One (91) calendar days”.

SECTION 23 21 13 – HYDRONIC PIPING

1. 1.2.F.: DELETE this paragraph in its entirety.
2. PART 2.: ADD 2.7.:
 - “2.7 WATER FLOW MEASURING DEVICES
 - A. Minimum overall accuracy plus or minus three percent over a range of 70 to 110 percent of design flow. Select devices for not less than 110 percent of design flow rate.
 - B. Wafer Type Circuit Sensor: Cast iron wafer-type flow meter equipped with readout valves to facilitate the connecting of a differential pressure meter. Each readout valve shall be fitted with an integral check valve designed to minimize system fluid loss during the monitoring process.
 - C. Flow Measuring Device Identification:
 1. Metal tag attached by chain to the device.
 2. Include meter or equipment number, manufacturer’s name, meter model, flow rate factor and design flow rate in l/m (gpm).”

3. PART 2.: ADD 2.15.:

“ 2.15 CONDENSER WATER PIPING INSULATION

Provide 1 1/2 inch thick polyisocyanurate closed cell rigid insulation for all piping above the roof line.”

4. PART 2.: ADD 2.16.:

“ 2.16 FIELD-APPLIED JACKETS

A. Aluminum Jacket: Comply with ASTM B 209, Alloy 3003, 3005, 3105, or 5005, Temper H-14.

1. Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to the following:

a. Childers Brand, Specialty Construction Brands, Inc., a business of H.B. Fuller Company; Metal Jacketing Systems.

b. ITW Insulation Systems; Aluminum and Stainless Steel Jacketing.

c. RPR Products, Inc.; Insul-Mate.

2. Moisture Barrier for Outdoor Applications: 2.5-mil-thick polysurlyn.

3. Factory-Fabricated Fitting Covers:

a. Same material, finish, and thickness as jacket.

b. Preformed 2-piece or gore, 45- and 90-degree, short- and long-radius elbows.

c. Tee covers.

d. Flange and union covers.

e. End caps.

f. Beveled collars.

g. Valve covers.

h. Field fabricate fitting covers only if factory-fabricated covers are not available.”

II. DRAWINGS:

A. STRUCTURAL DRAWINGS

SHEET 110B-SS0-1

1. GENERAL NOTES: STRUCTURAL STEEL NOTE #2: REVISE “THE NORTH CAROLINA STATEWIDE BUILDING CODE” to read: “THE VIRGINIA STATEWIDE BUILDING CODE”.

B. MECHANICAL DRAWINGS

SHEET 110B-MH001

1. CONTRACTOR NOTE: CHANGE NOTE to read: “THE CONTRACTOR SHALL COMPLETELY INSTALL CT-4 PRIOR TO REMOVING ANY OF THE EXISTING COOLING TOWERS TO ENSURE THAT THE EXISTING CHILLED

WATER PLANT IS ABLE TO RUN AT FULL CAPACITY. ONCE INSTALLATION OF CT-4 IS COMPLETE, THE EXISTING COOLING TOWERS SHALL BE REMOVED AND REPLACES ONE AT A TIME, SUCH THAT NO LESS THAN THREE (3) COOLING TOWERS ARE FULLY OPERATIONAL AT ALL TIMES.

SHEET 110B-MH102

1. NEW WORK NOTES: REVISE NOTE #3 to read: "PROVIDE Y-STRAINER."
2. NEW WORK NOTES: REVISE NOTE #4 to read: "PROVIDE COOLING TOWER WITH CIRCUIT SENSOR FLOW METER AND BUTTERFLY SHUT OFF VALVE AT EACH INLET. FLOW METERS BASED ON BELL AND GOSSETT MODEL OP-8A."

- End of Addendum -