



ADDENDUM NO.: 3

DATE OF ADDENDUM: October 3, 2012

**Power Plant Boiler Replacement
Connecticut Valley Hospital, Middletown
BI – MH – 974**

Original Bid Due Date / Time:	October 3, 2012	1:00 pm
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Revised Bid Due Date / Time:	October 17, 2012	1:00 pm
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Previous Addendums: 1, 2

TO: Prospective Bid Proposers:

This Addendum forms part of the "Contract Documents" and modifies or clarifies the original "Contract Documents" for this Project dated April 4, 2012. Prospective Bid Proposers shall acknowledge receipt of the total number the Addenda issued for this Project on the space provided on Section 00 41 00 Bid Proposal Form. Failure to do may subject Bid Proposers to disqualification.

The following clarifications are applicable to drawings and specifications for the project referenced above.

Item 1

Remove Drawing S-1.2.

Substitute attached Drawing S-1.2

Item 2

In Drawing H-2.0 Delete the 1" Isolation Valve and Add a 1" Check Valve on each Fuel Oil Return (FOR) Line. Typical of 3.

Item 3

- Question:**
1. Is the Stack Economizer Valve Switching Panel shown on drawing H-3.0 custom built or is it being supplied by an equipment supplier? Also, please check and clarify the ladder diagram wiring, it does not appear to be drawn correctly.
 2. Are the Economizer valves powered open/spring closed?

Response:

- 1 See Ladder Diagram Sketch –SKH-001. (attached)
2. The valves are spring return. The normal position of the valves is indicated on the drawing H-3.0.

Item 4

Question: Upon review of the specifications, there is no mention of the temperature controls required to sequence the boilers or the new H&V Units. Drawing H-3.0 has a limited description; however, there is no Sequence of Operations Section. Will this work tie-in to the existing Automated Logic System that is onsite?

Response: There is no requirement for DDC control or monitoring of the Boiler Plant by the Campus BMS system. Note the Campus BMS system is not presently connected to the plant.

Item 5

Question: Please advise if metal structure between boilers 1 & 2 contains lead paint.

Response: Please see specification section 003000 Available Information.



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Item 6

Question: M-2.0 when removing existing slabs behind existing boilers 1&2 please confirm contractor is required to make flush with concrete.

Response: Yes as so stated on the drawing.

Item 7

Question: M2.0 please confirm the contractor is responsible to sand blast and paint existing shaded area which is in fact all floor tile.

Response: The area in fact is concrete north of column line F.

Item 8

Question: Please advise if roofing is under a warranty and provide name of contractor who installed the existing roof.

Response: The roof was installed approximately two years ago and is still under warranty. It was installed by Commercial Roofing.

Item 9

Question: Drawing S1.1, drawing denotes to provide continuous shoring in front of the existing and new boilers. At the walkthrough it was noticed that ll conduits wiring and piping travels through the same area. Please confirm the contractor is responsible for removal and relocation of all piping, conduit, and wiring as needed to install shoring.

Response: This is correct. (Means and Methods)

Item 10

Question: Per S2.0 please provide specifications on 2" styrofoam insulation.

Response: Provide styrofoam with a compressive strength of 25 psi. Coordinate installation of rebar with concrete contractor.

Item 11

Question: When installing new condensate receiver skid, please confirm the new must be installed complete and piped before the old unit is removed.

Response: This is correct.

Item 12

Question: Please provide a controls parts list for the Cleaver Brooks boilers for all items not factory installed on the boiler itself. Note control components are not detailed on the drawings and will required electrical feeds to work.

Response: This question can best be answered by the boiler manufacturer.



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Item 13

Question: Please advise what the exterior wall thicknesses are.

Response: See plan M 4.0

Item 14

Question: Please confirm boiler 1 and 2 are offline and advise if any restrictions, or phasing, will be required for removal of these two boilers.

Response: Boiler 1 is off line and Boiler 2 will be offline at the start of the project.

Item 15

QUESTION: Please confirm all piping shown on H2.0 will be installed in the ceiling of the basement.

Response: All piping on drawing H2.0 is above the basement slab and below the boiler room operating floor.

Item 16

Question: Please confirm no firesproofing of structural members will be required at any ceilings in the facility.

Response: This is correct.

Item 17

Question: Please confirm HV1-3 will be controlled off of thermostats and not tied into any building management systems or other controls.

Response: Please see Setion 23 73 39 Indoor, Direct Gas Fired Heating and Ventilating Units Paragraph 2.08 for control requirements.

Item 18

Question: HD1.0, note 9, states to remove piping to turbine 1. Please advise how far contractor will be required to remove this line to.

Response: All the way to the turbine.

Item 19

Question: Please confirm coordination drawings and building information modeling will be required as per specification 230010 section F1.

Response: Section 23 00 10 Pragraph 1.22 F is deleted in its entirety.

Item 20

Question: Please confirm all testing will be the responsibility of the owner.

Response: Need specific reference(s) to respond to this question.



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Item 21

Question: Please confirm the contractor is required to include PMWebb with (5) licenses within their bid price for the owner.

Response: Confirmed as stated in Section 01 12 19 Paragraph F.

Item 22

Question: Please confirm the neutralization piping is required to be stainless steel.

Response: Condensate piping and fittings from condensing heat recovery heat exchangers to the neutralizing tank shall be schedule 10S, 304 Stainless Steel.

Item 23

Question: Please confirm X-ray quality welds will be required on all welded piping.

Response: Section 23 22 13 Steam and Condensate Piping, paragraph 3.11 D.3.: In the first sentence delete the word "over". Only piping classified as ASME B31.1 requires "x-ray" inspection.

Item 24

Question: Please confirm fittings & valves tied into the main steam header needs to be 300#. Once the pressure is reduced all fittings & valves can utilize 150#.

Response: In order to allow the higher pressure boilers to be re-connected to the header in the future the isolation valve and all fittings between the isolation valve and the header need to be Class 300.

Item 25

Question: Please confirm the existing DA on top of the platform between boilers 2 & 3 will remain in place and does not require any work from the contractor.

Response: This is correct.

Item 26

Question: Please advise what the temporary boiler outside feeds, and if this unit can be utilized as backup for steam service.

Response: As shown on drawing H2.0 the boiler is connected to the main header which in turn feeds to the reducing stations connected to the campus distribution system. It can provide steam requirements from mid spring to mid fall.

Item 27

Question: Electrical specifications call out for fiber optic for the control wiring, but does not depict a schedule for what will be required for miscellaneous controls around the boilers. Please confirm fiber optic wiring will not be required on this project.

Response: Section 26 05 23 Control-Voltage Electrical Power Cables. Delete paragraphs 1.02 A.6.; 2.05; 2.06; 2.12 D.; 3.02 E. and 3.07 B.4. There is no requirement for fiber optical cables.



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Item 28

Question: Specifications call for water treatment equipment and chemicals, and labels Cascade as the contractor to utilize. Drawings do not depict any water treatment equipment scheduled for removal or installation. Please confirm water treatment equipment should not be required as there was an existing system in place for the boilers 1 & 2.

Response: The only equipment required will be tubing and quills.

Item 29

Question: If water treatment equipment is required; please provide drawings to denote where specific equipment will be located and if any items are required for removal.

Response: See response to item 28

Item 30

Question: As there will be numerous projects happening within the building at the same time, please advise where the contractors laydown area will be, and where dumpsters can be located onsite.

Response: The laydown area and dumpsters will be located on the west side of the building. This contractor will be responsible for any damage to the pavement and surrounding area caused by his Work.

Item 31

Question: Please confirm that project is required to meet NAFTA standards.

Response: Confirmed, this project will be required to meet NAFTA standards.

Item 32

Question: Please confirm the boilers are required as per specifications to have a single point power connection.

Response: Section 23 52 39 Paragraph 2.08 B.: Delete paragraph. No single point Connection required.

Item 33

Question: Specifications 235239 section 3.02 F denotes that there will be additional components with the boiler but not factory installed. Please advise what type and how many of these components are required to be installed as there is no list in the specifications, or any details shown on the drawings identifying them specifically.

Response: This question can best be answered by the boiler manufacturer.

Item 34

Question: Deaerator specification 235316 section 2.03 J denotes a building management system interface. Please confirm there is no existing building management system in place, and that this is only required for future use.

Response: Section 23 53 16 Deaerators Paragraph 2.02 L: Delete paragraph. There is no requirement for BMS interface.

30. Please confirm the contractor is required to design (with calculations) all hangers and supports on this project.



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BID ADDENDUM

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Item 35

Question: Please confirm the contractor is required to design (with calculations) all expansion joints, as required.

Response: Yes per Section 230516 – Expansion Fittings and Loops for HVAC Piping Paragraph 1.04 B.

Item 36

Question: Please confirm the contractor is required to design (with calculations) all hangers and supports on this project.

Response: Yes, without calculations per Section 23 05 29 Hangers and Supports for HVAC Piping and Equipment Paragraph 1.04.

Item 37

DRAWINGS

H2.0

1. Drawing Note 9 – Add last sentence to read: Reducing Station Flow Rate 5000 lbs/hr.

H3.0

1. Revised - ECONOMIZER GAS/OIL VALVE CHANGE OVER LADDDED DIAGRAM. See sketch SKH-1.

Item 38

SECTION 23 22 13 STEAM AND CONDENSATE HEATING PIPING

1. Paragraph 2.03 A. : Replace ASTM A53/53M with ASTM A106.
2. Paragraph 2.03 G. : Replace ASTM A53/A53M with ASTM A106.

Item 39

SECTION 23 52 39 FIRE-TUBE BOILERS

1. Paragraph 1.07 A. : Change Pressure Vessel Warranty from 15 years to 10 years.
2. Paragraph 2.02 B. : Change minimum heat exchanger surface area from 5 square feet to 2.5 square feet.
3. Paragraph 2.02 B.3. Revise to read: Minimum NPS 2 drain connections at shell low point.
4. Paragraph 2.02 D.3. : Delete the word baked.
5. Paragraph 2.03 B. Revise to read: Blower: Radial blade or backward inclined
6. Paragraph 2.03 B. Add sentence to read: Blower speed controlled by Variable Frequency Drive furnished with Boiler.
7. Paragraph 2.04 F. Delete: ...with hose end connection.
8. Paragraph 2.04 K. New paragraph to read: Oxygen Trim



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9. Paragraph 2.04 L. New paragraph to read: Parallel Positioning
10. Paragraph 2.06 A.4. Add paragraph to read: Superior Boiler.
11. Paragraph 2.07 B.3.f. : Delete paragraph.
12. Paragraph 2.08 B. Delete paragraph.

Item 40

SECTION 23 53 16 DEAREATORS

1. Paragraph 2.01 A.17. Add paragraph to read Superior Boiler

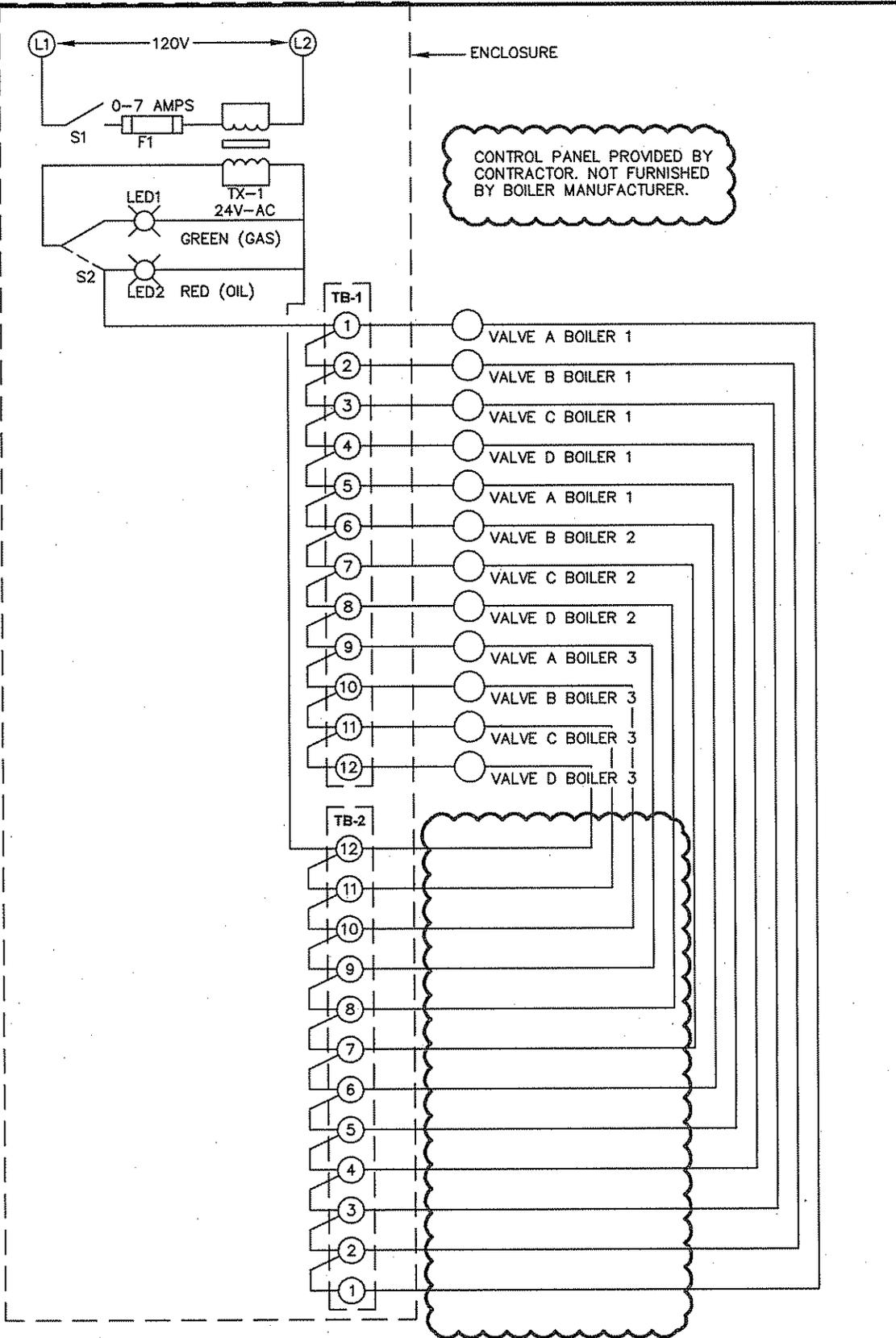
All questions must be in writing (not phone or e-mail) and must be forwarded to the consulting Architect/Engineer (David Brown @ BVH Integrated Services @ Fax Number – 860-242-0236) with copies sent to the CT DCS Project Manager (Wayne Thorpe @ Fax Number – 860-713-7261.)

End of Addendum 3

A handwritten signature in cursive script that reads "Gail Blythe".

Gail Blythe, Associate Fiscal Administrative Officer
Department of Administrative Services
On Behalf of the Department of Construction Services

10/2/12 8:50:54 AM W:\2011\2111010 - CVH Boiler Replacement\DWGS\H\2111010-CM-Riser.dwg



CONTROL PANEL PROVIDED BY CONTRACTOR. NOT FURNISHED BY BOILER MANUFACTURER.

ECONOMIZER GAS/OIL VALVE CHANGE OVER LADDER DIAGRAM
SCALE: N.T.S.

 <p>BVH integrated services</p> <p><small>CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, TECHNOLOGY AND COMMISSIONING</small></p> <p><small>50 Griffin Road South Stamford, CT 06902 Tel: (860) 386-6171 www.bvh.com</small></p>		JOB TITLE: CONNECTICUT VALLEY HOSPITAL POWER PLANT BOILER REPLACEMENT DPW PROJECT NO. BI-MH-974		REVISION INFO ADD #3
		SHEET TITLE: SCHEMATIC FLOW DIAGRAM CONDENSATE AND MAKE-UP WATER		DRAWING NUMBER SKH-001
JOB NUMBER 21-11-010	SCALE N.T.S.	DATE 10-02-12	DRAWN BY DPB	REFERENCE DRAWING H-3.0