September 27, 2010

Enclosed is **ADDENDUM NO. TWO** to the Construction Documents on the above-captioned project.

Bid date is Tuesday, October 5, 2010 at 2:30 PM to be held at:

**CONTRACTING SERVICES**
Facilities Management, Bldg. 439,
Door #E, Reception Counter
University of California, Santa Barbara
Santa Barbara, CA  93106-1030.

Late arrivals shall be disqualified. Please allow time for unforeseen traffic delays, securing a parking permit and potential parking problems.

Anna Galanis
Director, Contracting Services
ADDENDUM NUMBER TWO

to the

CONSTRUCTION DOCUMENTS
SEPTEMBER 27, 2010

GENERAL

The following changes, additions or deletions shall be made to the following document(s) as Indicated; all other conditions shall remain the same.

I. SPECIFICATIONS

Item No.

1. Section 15555, Heating Hot Water boilers, Part 2, Products, 2.01 BOILERS, Paragraph E Power, Gas Fired Boilers, **DELETE** in it’s entirety:

Item No.

2. Section 15555, Heating Hot Water boilers, Part 2, Products, 2.02 LOW NOX BURNER SYSTEM, Paragraph A, B, C, D, **DELETE** in it’s entirety:

II. DRAWINGS

Item No.

1. Sheet M1.0, LEGNEDS, SCHEDULES, SYMBOLS: 
   **CHANGE** Flow Meter table as shown on attached Addendum #2 Drawing, M1.0 ADD#2

Item No.

2. Sheet M1.0, LEGNEDS, SCHEDULES, SYMBOLS: 
   **CHANGE** Industrial Hot Water Storage Tank and Heat Exchanger table as shown on attached Addendum #2 Drawing, M1.0 ADD#2

Item No.

3. Sheet M2.0, BASEMENT BOILER ROOM MECHANICAL DEMOLTIION PLAN: 
   **CHANGE** reference Note #4 as shown on attached Addendum #2 Drawing, M2.0 ADD#2
Item No.

4. Sheet M2.0, BASEMENT BOILER ROOM MECHANICAL DEMOLITION PLAN:
   **CHANGE** reference Note #14 as shown on attached Addendum #2 Drawing, M2.0 ADD#2

Item No.

5. Sheet M2.0, BASEMENT BOILER ROOM MECHANICAL DEMOLITION PLAN:
   **CHANGE** reference Note#19 as shown on attached Addendum #2 Drawing, M2.0 ADD#2

Item No.

6. Sheet M2.0, BASEMENT BOILER ROOM MECHANICAL DEMOLITION PLAN:
   **ADD** BOILER DEMOLITION AND CONSTRUCTION SEQUENCE as shown on attached Addendum #2 Drawing, M2 & M3 ADD#2

Item No.

7. Sheet M2.1, BASEMENT BOILER ROOM REMODEL PLAN:
   **ADD** BOILER DEMOLITION AND CONSTRUCTION SEQUENCE as shown on attached Addendum #2 Drawing, M2 & M3 ADD#2

END OF ADDENDUM NO. TWO
### Industrial Hot Water Storage Tank and Heat Exchanger Schedule

<table>
<thead>
<tr>
<th>Remark</th>
<th>115</th>
<th>1</th>
<th>2</th>
<th>20 &amp; 22</th>
<th>195</th>
<th>2</th>
<th>480</th>
<th>172</th>
<th>70</th>
<th>286</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Height (in)</td>
<td>115</td>
<td>1</td>
<td>2</td>
<td>20 &amp; 22</td>
<td>195</td>
<td>2</td>
<td>480</td>
<td>172</td>
<td>70</td>
<td>286</td>
</tr>
<tr>
<td>Width (in)</td>
<td>115</td>
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<td>2</td>
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<td>172</td>
<td>70</td>
<td>286</td>
</tr>
<tr>
<td>Length (in)</td>
<td>115</td>
<td>1</td>
<td>2</td>
<td>20 &amp; 22</td>
<td>195</td>
<td>2</td>
<td>480</td>
<td>172</td>
<td>70</td>
<td>286</td>
</tr>
</tbody>
</table>

**Remarks:**
- Required for all units.
- Tank materials must be compatible with operating conditions.
- Flow rates must comply with local codes.

**Flow Meter Schedule**

<table>
<thead>
<tr>
<th>Make</th>
<th>Size</th>
<th>Flow Rate (gpm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-2000</td>
<td></td>
<td>6.2-206.9</td>
</tr>
<tr>
<td>T-3000</td>
<td></td>
<td>6.2-206.9</td>
</tr>
</tbody>
</table>

**Flow Meter Schedule:**
- Change flow rate to 6.2-206.9.
- Change model to T-3000, F-3400 series.
- Change flow meter to flow meter schedule.
ADDITION TO SHEETS M2.0 AND M2.1 | BOILER DEMOLITION AND CONSTRUCTION SEQUENCE

ADDITION TO SHEET M2.0 | REFERENCE NOTES

FROM 10011985/137-12. Dwg# 571-186
BOILER REPLACEMENT PROJECT, BUILDING 571

ADDITION

5. ADDENDUM TO SHEET M2.0, REFERENCE NOTE #18:

OMIT A B

6. ADDENDUM TO SHEETS M2.0 AND M2.1 | BOILER DEMOLITION AND CONSTRUCTION SEQUENCE

Flange connections for new hot water boilers, B-1, B-2, B-3, And B-4.

e. Construct new flanges, hot water piping headers per sheet M2.1, provide blind.

d. Connect new pumps from existing boiler, B-1 to steam header.

c. Disconnect existing boiler, B-1 flue connection to main flue without effecing.

b. Disconnect gas piping, boiler vent, low (industrial) cold water, drains, etc.

a. Pressure test exposure and asbestos removal. As required.

1) Isolate and shut down existing steam boiler (B-1).
NEW HOT WATER BOILERS B-3 AND B-4 ARE OPERATIONAL.

1. Follow similar demolition procedures for second existing steam boiler B-2 after.
2. Run new boilers B-3 and B-4 on automatic.
3. Make necessary adjustments to controls, new boilers and systems.
4. With university review, run test for new boilers B-3 and B-4.
5. Inform the university of intent to start new boilers B-3 and B-4.
6. Test electrical and control systems.
7. Test piping systems, including new pumps, P-3 and P-4.
8. Connect electrical power, controls and interface system to campus MERSYS.
9. Connect new flues from new boilers B-3 and B-4 to main building flue per.
10. Construct new piping systems, flow meter valves and appurtenances per sheet M2.1.
11. Install and level new hot water pumps, P-3 and P-4 for new boilers B-3 and B-4.
12. Mount new hot water boilers B-3 and B-4 on existing pads.