SAN FRANCISCO UNIFIED SCHOOL DISTRICT
FACILITIES DESIGN & CONSTRUCTION

Bid Package 1
Boiler Replacement
Balboa High School

ADDENDUM NO. 2

PROJECT: Balboa High School
1000 Cayuga Avenue
San Francisco, 94112

DATE: 2 April 2015

OWNER: San Francisco Unified School District
135 Van Ness Avenue
San Francisco, CA 94103

DSA FILE NO.: N/A
DSA APP. NO.: N/A

Notice is hereby given to all prospective bidders that plans and specifications on the subject project are modified as hereinafter set forth. This Addendum shall be attached to and form a part of the plans and specifications. All bidders must acknowledge receipt of this addendum on the Bid Form. In case of difference with previous addenda or communications, this addendum takes precedence.

It is the responsibility of all bidders to notify all subcontractors from whom they request bids and from whom they accept bids of all changes contained in this addendum.

DISTRICT RESPONSES TO VARIOUS RFI'S INCLUDED FOR INFORMATIONAL PURPOSES:

1. ACCO Engineered Systems RFI 1 through 9 with District/Engineers responses.
2. MONTEREY MECHANICAL CO. RFI 1 through 8 with District/Engineers responses.

END OF ADDENDUM ITEMS

ATTACHMENTS:

- Revised Drawing M1.01 revised steam supply main connection to boiler; revised Note 14 and added Note 17 (ACCO RFI 5)
- Revised Drawing M6.01 revised diagram to show steam supply main connection and added elevations relative to boiler water line (ACCO RFI #5)
- SCA response (Monterey RFI #4)
Request for Information

Date: March 30, 2015

To: Tunde Munz
Guttmann & Blaevoet

From: Lawrence Duong
ACCO San Francisco
Iduong@accoservice.com

Re: Drain Tempering Valve

CC: Paul Cardoni cardonip@sfusd.edu

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Request

Drawings M6.01 show a total of six (6) drain tempering valves (one per relief and one per blowdown). Drawing M1.01 show a total of three (3) drain tempering valves. Please confirm that each relief will have one (1) DTV and the three boiler blowdowns can be collected to one common DTV for a total of four (4).

Boiler relief sizing is 3". DTV sizing shows 1" DCW and 1" Drain. Please confirm whether the drain needs to be line size (3").

Please respond by: ASAP

---

Response

The M1.01 calls out the same amount of 6 DTV as the M6.01 detail: see note 13.

Yes, the drain size shall match always the relief valve size.

G&B
Tunde Munz PE

3/30/2015
Request for Information

Date: March 30, 2015

To: Tunde Munz
Guttmann & Blaevoot

Phone: 415-655-4023
Fax: 415-655-4001

From: Lawrence Duong
ACCO San Francisco
Iduong@accoservice.com

RFI Number: RFI (2)
ACCO Job: Balboa

Re: Point of Connection
No. of Pages: CC:
Paul Cardoni

cardonip@sfusd.edu

Request

Drawings sheet M1.01 shows the point of connection to be at the tee main header (downstream of the valve) please confirm point of connection AT the valve is acceptable. Valve will still be replaced with new per drawings. This method is less intrusive and yields the same result.

Please respond by: ASAP

Response

Yes, the point of connection at the valve is acceptable.

G&B
Tunde Munz
3/30/2015
Request for Information

Date: March 30, 2015

To: Tunde Munz Guttmann & Blaevoeft

From: Lawrence Duong

Phone: 415-655-4023
Fax: 415-655-4001

RFI Number: RFI (3)

ACC San Francisco
Iduong@accoservice.com

ACCO Job: Balboa

Re: Shunt Trip

CC: Paul Cardoni cardonip@sfusd.edu

Request

Please provide location of shunt trip tie-in.

Please respond by: ASAP

Response

Coordinate with the Controls Contractor for the location of shunt trip tie-in. EPO to shutdown power supply (branch circuit breakers) serving the boilers. Reference diagram shown on Sheet M7.01.
Request for Information

Date: March 30, 2015

To: Tunde Munz
    Guttmann & Blaevot

Phone: 415-655-4023
Fax: 415-655-4001

From: Lawrence Duong
    ACCO San Francisco
    Iduong@accoservice.com

RFI Number: RFI (4)
ACCO Job: Balboa

Re: Gas Pressure Regulator

CC: Paul Cardoni
cardonip@sfusd.edu

Request

Existing gas pressure regulators are not vented to atmosphere. The vent connections are piped back into the boiler combustion area.

Please confirm whether the regulators will need to be vented to atmosphere. This may require coring of an exterior wall.

Please respond by: ASAP

Response

Gas Pressure Regulator Vent shall be taken outdoors. A structural engineer shall review existing conditions for the core location and size.

G&B
Tunde Munz
3/30/2015
Request for Information

Date: March 30, 2015

To: Tunde Munz
   Guttmann & Blaevoot

From: Lawrence Duong
      ACCO San Francisco
      Iduong@accoservice.com

Re: Steam Header

CC: Paul Cardoni cardonip@sfusd.edu

Request

Drawing M1.01 shows for new steam header to come off of last steam branch (opposite side of the equalizer). Boiler submittal recommends for steam header to come off between the last steam branch and the equalizer.

Please confirm drawing M1.01 is acceptable.

Please respond by: ASAP

Response

The main connection from the boiler shall be located between the equalizer and first connection/section of the boiler.
The attached drawing M1.01 has been revised to address this under Addendum 2.

G&B
Tunde Munz

3/30/2015
Request for Information

Date: March 30, 2015

To: Tunde Munz
   Guttmann & Blaevot

From: Lawrence Duong
      ACCO San Francisco
      Iduong@acoservice.com

Re: Title-24 Sheets

CC : Paul Cardoni  cardonip@sfusd.edu

Request

Drawings are missing the T-24 sheets. Please provide this sheet. There are no required T-24 acceptance tests for steam boilers, please confirm.

Please respond by: ASAP

Response

T-24 are not required since the set is not going to permit.
The boiler will be tested by the Cx agent and will fill out the Cx certificate as per Energy code basic Cx requirements.
Also the boilers shall be tested as per Section 15550 per BAQMD standard tests for LoNox certification.

G&B
Tunde Munz
3/30/2015
Request for Information

Date: March 30, 2015

To: Tunde Munz Guttmann & Blaevoe

From: Lawrence Duong ACCO San Francisco Iduong@acco-service.com

Re: Parking

CC: Paul Cardoni cardoni@sfusd.edu

Request

Specifications 800-5 state that no vehicles can park on campus. Please confirm whether vehicles park on campus for loading/unloading of equipment.

Please respond by: ASAP

Response

Response by District’s PM: Project on-site parking will be permitted in designated areas at each site. Specifics will be discussed at Pre-construction meeting. Contractor staging areas also will be permitted at a location near the Work areas. Protective measures such as barricades, fencing and Warning tape and/or signage will be required to protect both public and construction related items.
Request for Information

Date: March 30, 2015

To: Tunde Munz
Guttmann & Blaevoet

From: Lawrence Duong
ACCO San Francisco
Iduong@accoservice.com

Re: Special Inspection

CC: Paul Cardoni cardonip@sfusd.edu

Request

Specifications 1450-1 state that The District will pay for the initial costs of testing and inspection (concrete testing for boiler housekeeping pads). However, the specifications 1450-7 also state in a different section that the costs will be backcharged to the contractor.

Please clarify.

Please respond by: ASAP

Response

Response by the District PM: District to pay independent tests and inspection costs for concrete Housekeeping pads.
If concrete tests and inspections are found not to be in compliance with contract documents, re-testing and re-inspection will be back charged to the Contractor.
Refer to Section 01450, Paragraph C.
Date: March 30, 2015

To: Tunde Munz
Guttmann & Blaekoet

From: Lawrence Duong
ACCO San Francisco
Iduong@accoservice.com

Re: Pipe Material

CC: Paul Cardoni cardonip@sfusd.edu

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Request

Specifications 15520-3 states to use schedule 80 for both steam and condensate return lines. Please confirm that steam will be schedule 40 steel and condensate return to be schedule 80 steel.

---

Response

The specifications is the SFUSD standard which requires schedule 80 pipe for both steam and condensate lines.
Pipe schedule shall be as per specifications both steam and condensate lines shall be Schedule 80. G&B
Tunde Munz
3/30/2015

Re: Pipe Material
March 31, 2015

Mr. Paul Cardoni  
San Francisco Unified School District  
Facilities Design & Construction  
135 Van Ness Avenue, 1st Floor  
San Francisco, CA 94102

cardonip@sfusd.edu
Sent via e-mail only

RE: Clarifications – Balboa HS Boiler Replacement  
San Francisco, CA  
SCA Project No: B-11616

Dear Mr. Cardoni:

Please issue the following clarification in response to RFI #4 for Balboa High School’s Boiler Replacement Project:

<table>
<thead>
<tr>
<th>Item</th>
<th>Request</th>
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<tr>
<td>1.</td>
<td>Please confirm there is no asbestos on this project as discussed and clarified during the mandatory job walk.</td>
<td>Spec. Section 02 26 00, Para. 1.7 confirms “none identified in the Balboa High School Boiler Room; thermal system insulation was abated in 1987 as part of the existing boiler installation project.”</td>
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</tbody>
</table>

If you have any questions, please do not hesitate to contact me directly at (510) 517-1119 or gcass@sca-enviro.com.

Sincerely,

SCA ENVIRONMENTAL, INC.

Glenn R. Cass, PE, CIH  
Vice President

File: B-11616 Addenda 3-31-15
REQUEST FOR INFORMATION OR CLARIFICATION

TO: Paul Cardoni
FROM: Heidi Shelton
SFUDS
Monterey Mechanical Co.

Reference Contract Drawings: M1.01D & M1.01

DATE: 3/30/2015

Please refer to drawing M1.01D sheet note number 9 and drawing M1.01 sheet note number 14. Sheet Note #14 on drawing M1.01 requires contractor to test existing chimney. Please define testing requirements, procedure, and result parameters. Additionally IF chimney fails the test the contractor is required to provide additional flue pipe up through the existing chimney. The cost associated with providing and installing this additional flue is substantial and will require man lift equipment, scaffold, crane service, confined space planning, etc. This should be handled in another way as the contractor will be forced to carry these costs in their bid. Perhaps include the testing in the lump sum bid and handle the additional flue as a change if needed.

Sheet Note #9 on drawing M1.01D cause a similar situation with the existing breeching. While not the same magnitude in cost as the additional flue; the contractor will still need to include the $ to remove the breeching if the note is not modified.

PLEASE RESPOND BY 4/3/2015
SIGNED H Shelton

REQUEST RECEIVED ON

REPLY
TO: 
FROM:

DATE: 
REQUESTED BY PHONE ( )
TIME: 

The base bid shall include testing of the breeching and 14 feet of flue required to connect to chimney. Shall the test show that the breeching is not leaking 14 ft of new flue shall be credited back. The pressure test shall use compressed air. Leakage Test procedure shall be obtained from the Selkirk vent manufacturer. The vertical chimney appears to be concrete and is along the exterior wall of the building. No need for testing it.

G&B
Tunde Munz
4/1/2015
REQUEST FOR INFORMATION OR CLARIFICATION

Bid Package 1: SFUSD Project No. 11744; Balboa High School
REQUEST # 002

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<td>TO: Paul Cardoni</td>
<td>FROM: Heidi Shelton</td>
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<tr>
<td>SFUDS</td>
<td>Monterey Mechanical Co.</td>
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<tr>
<td>Reference Contract Drawings: M5.01</td>
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Please refer to drawing M5.01 Schedule.
The schedule on drawing M5.01 indicates the new boilers are to be Peerless Model numbers TCII-15. Specification Section 15550-2.2.D specifies a Peerless Model TCII-13S. Please advise which model number is to be provided.

PLEASE RESPOND BY 4/1/2015
SIGNED H Shelton

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Schedule model will be the boiler size.

G&B
Tunde Munz
3/30/2015
REQUEST FOR INFORMATION OR CLARIFICATION

Bid Package 1: SFUSD Project No. 11744; Balboa High School REQUEST # 003

INFORMATION REQUESTED

TO: Paul Cardoni
SFUSD

FROM: Heidi Shelton
Monterey Mechanical Co.

Reference Contract Drawings: M5.01

DATE: 3/30/2015

It appears that the TCII-XX boilers that are specified are Peerless 83.3% efficient cast iron sectional boilers.

The flue spec calls for Selkirk CI+ Saf-T-Vent with an Al2904C liner, one inch of insulation and a 430 outer jacket which indeed is a Cat IV flue for positive pressure appliances. BUT another part of the spec requires the flue to be able to withstand continuous flue gas temperatures of 1000 deg F and intermittent temperatures of 1400 deg F. Those criteria describe the Selkirk Model IPS line. The CI+ product is only rated for flue gas temperatures of up to 550 deg F (see attached). Obviously a condensing appliance is not going to be anywhere near these kinds of temperatures.

Please advise what product to use with the specified design temperatures.

PLEASE RESPOND BY 4/1/2015

SIGNED H Shelton

REQUEST RECEIVED ON

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TO: 

FROM:

DATE: REQUESTED BY PHONE ( )

TIME:

The vent to use is the Selkirk CI+ SAF-T Vent with Al2904C liner, insulation in between the vent two layers and 430 SS outer shell.

G&B
Tunde Munz
3/30/2015
Saf-T Vent
CI Plus
Commercial/Industrial

- Reduced clearance to combustibles.
- Strong mechanical joint locks in place.
- Integral seal allows fast installation with no RTV.
- Manufactured using AL 29-4C®.

Saf-T Vent CI reliability – Plus a one-inch airspace.

heatfab
High-performance chimneys and vents.
Saf-T Vent CI Plus Applications
CI Plus is a UL/cUL Tested and Listed 1-inch air-insulated double-wall vent system for commercial applications specially suited to:

- ANSI Category I, II, III, & IV vent applications.
- Mid-efficiency and high-efficiency gas fired boilers, water heaters and furnaces.
- Negative, neutral, or positive pressure vent systems.
- Condensing or near-condensing vent systems.

Superior resistance to condensate by-product corrosion.

Positive pressure rating of 15" W.C. ideal for positive pressure vent requirements.

Complete Stainless Steel Construction
The superferitic stainless steel alloy used for the CI Plus inner conduit is extremely resistant to chloride ion pitting, crevice corrosion, and stress corrosion cracking. Over time this alloy has proven to be superior for condensing gas-fired appliances when compared to conventional venting materials. A Type 430 stainless steel outer jacket (standard on CI Plus) protects the vent system from weather and airborne contaminants. Under normal conditions there is no need to paint or coat this material when installed outdoors; it keeps its good looks while reducing maintenance costs.

Reduced Clearance To Combustibles
CI Plus engineering gives the greatest flexibility to your system specs. Its 1-inch airspace not only reduces required clearance to combustibles, it also reduces vent skin temperature for safer maintenance conditions.

No RTV
CI Plus vents have a factory-installed silicone gasket in diameters 5 to 16 inches. This no-RTV design ensures efficient and effective installation. By providing adjustable vent lengths, in-the-field cutting (and the associated risk of a compromised system) is eliminated.

The Sure-Seal Closure System
Heat-fab's patented tapered-male/flared-female connections simplify installation, with the Sure-Seal closure system drawing the joint together. With diameters from 5 to 32 inches and a complete assortment of fittings, you can design confidently, knowing the system can be installed and will perform as you expect.

Heat-fab Manufacturing
We offer the broadest line of Special Gas Vent systems available in 3 through 32-inch single-wall and double-wall AL 29-4C® products.

Our high-tech welding and fabricating equipment ensures our vent systems are consistent in size, fit and finish, whether you order 2 pieces or 2,000.
CI Plus at work

Sure-Seal Closure System
The patented Sure-Seal closure system draws the joint together. Combined with our trademark tapered male/flared female ends, it provides easy, strong, reliable joint connections. Diameters of 5 to 16 inches come with factory-installed silicone gaskets for fast, no-RTV installation.

1" Airspace In All Diameters
The 1" airspace found in all CI Plus vents enables designers and engineers to safely reduce clearance to combustible materials, making the most of interior space and keeping mechanical chase size to a minimum.
Improving on the Leader
For more than 15 years, Heat-fab's Saf-T Vent systems have been the leading superferritic stainless steel special gas vent. We were the first U.S. vent manufacturer to Test and List to UL 1738 (Special Gas Vent systems) using AL 29-4C®. Working closely with equipment manufacturers, our engineering department provides expertise to ensure your installation has high-performance quality from appliance adapter to termination.

Technical Specifications:
- Double-wall.
- 5" - 32" diameters.
- Tapered male and female ends.
- Patented Sure-Seal closure system.
- Superferritic stainless steel inner conduit, 430 stainless steel outer jacket standard.
- Negative, neutral or positive pressure venting systems.
- Specially suited for:
  - Condensing vent systems
  - Near-condensing vent systems
  - Non-condensing vent systems with a positive pressure
- Pressure: Range from -2" wc up to +15" wc.
- Temperature: Up to 550°F.
- UL/cUL: Tested & Listed to UL 1738 (ULC 5636).

Uses:
- Special gas vent for mid- and high efficiency gas fired heaters and boilers.
- ANSI Category I, II, III, or IV appliances.
- Natural Gas
- Propane

Call us at 1-800-772-0739 or for more technical information visit us at www.heat-fab.com
REQUEST FOR INFORMATION OR CLARIFICATION

TO: Paul Cardoni  
SFUSD
FROM: Heidi Shelton  
Monterey Mechanical Co.

DATE: 3/30/2015

Please confirm there is no asbestos on this project as discussed and clarified during the mandatory jobwalk.

PLEASE RESPOND BY 4/1/2015  
SIGNED H Shelton

REQUEST RECEIVED ON ____________________________

REPLY  
TO: ____________________________  
FROM: ____________________________  
DATE: ____________________________  
REQUESTED BY PHONE ( )  
TIME: ____________________________

See attachment from SCA dated 3/31/15 included with Addendum 2.

G&B
Tunde Munz
3/30/2015
REQUEST FOR INFORMATION OR CLARIFICATION

Bid Package 1: SFUSD Project No. 11744; Balboa High School REQUEST # 005

INFORMATION REQUESTED

DATE: 3/30/2015

TO: Paul Cardoni
    SFUDS

FROM: Heidi Shelton
      Monterey Mechanical Co.

Please provide the contact information for the Peerless Engineer associated with this project.

PLEASE RESPOND BY 4/1/2015

SIGNED H Shelton

REQUEST RECEIVED ON

REPLY

TO: 

FROM: 

DATE: REQUESTED BY PHONE ( )

TIME: 

Jim Burkhardt
Power Boiler Sales, Inc.
510-235-0609

G&B
Tunde Munz
3/30/2015
MONTEREY MECHANICAL Co.  8275 San Leandro St., Oakland CA 94621  510-636-4376

REQUEST FOR INFORMATION OR CLARIFICATION

Bid Package 1 :  SFUSD Project No. 11744; Balboa High School  REQUEST #  006

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<tr>
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<td>Monterey Mechanical Co.</td>
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Please advise if a Permit to Construct has been initiated. Please advise if the Fire Marshall and BAAQCM have reviewed the contract documents.

PLEASE RESPOND BY  4/1/2015  SIGNED  H Shelton

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REQUESTED BY PHONE ( )

FROM:

TIME:

1. Permit is not required by the SFUSD.
2. Fire Marshal has does not have to review the documents.
3. The boilers will be registered with BAQMD for yearly natural gas use and boilers shall be tested and certified for LoNox as required by Section 15550.

G&B
Tunde Munz
4/1/2015
REQUEST FOR INFORMATION OR CLARIFICATION

TO: Paul Cardoni
SFUSD

FROM: Heidi Shelton
Monterey Mechanical Co.

DATE: 3/31/2015

REQUEST # 007

INFORMATION REQUESTED

Please provide additional information on the existing chimney as follows:

1. Elevation and cross sectional scaled views
2. What is the inside of the chimney made of and how is it coated? Is it sealed?
3. What type of anchors are to be used?

PLEASE RESPOND BY 4/1/2015

REQUEST RECEIVED ON

REPLY

TO: 

FROM: 

DATE: 
REQUESTED BY PHONE ( )

TIME: 

See reply to RFI#1.
There is no need to install new vent in the chimney.

G&B
Tunde Munz
4/1/2015
REQUEST FOR INFORMATION OR CLARIFICATION

Bid Package 1: SFUSD Project No. 11744; Balboa High School
REQUEST # 008

INFORMATION REQUESTED

TO: Paul Cardoni
SFUDS

FROM: Heidi Shelton
Monterey Mechanical Co.

DATE: 3/31/2015

Peerless Has the following exclusions to the specifications:

1. Boilers will require a minimum of 8 weeks to ship after approval of submittals
2. Burner Warranty is One (1) year not 10 years as specified.
3. Boiler Sections have a 10 year limited warranty and labor is not included.
4. Flue Gas Recirculation is not included, if required please provide appropriate piping drawings.
5. Power Boiler Sales Proposal attached

PLEASE RESPOND BY 4/1/2015
SIGNED H Shelton

REQUEST RECEIVED ON

REPLY

TO: 

FROM: 

DATE: REQUESTED BY PHONE ( )
TIME: 

1. The proposal states that boilers may have 8 weeks lead time.
2. District requires 1 year optional warranty on the burner provided by the manufacturer.
3. OK.
4. The flue recirculation vent shall be provided as included in Sheet M1.01, sheet note 8.
5. No comment.

G&B
Tunde Munz PE
April 4, 2015
## Estimate

**POWER BOILER SALES, INC.**
**RICHMOND, CA. 94804-4626**
1400 SOUTH 50TH ST
RICHMOND, CA 94804-4626

<table>
<thead>
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<tr>
<td>Monterey Mechanical</td>
<td>Monterey Mechanical</td>
</tr>
<tr>
<td>8275 SAN LEANDRO ST</td>
<td>8275 SAN LEANDRO ST</td>
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<tr>
<td>OAKLAND, CA 94621</td>
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| SPECIAL    | SFUSD Bid package 1 of 3 – Balboa High School. This equipment is offered FOB factory, full truck freight allowed for one shipment to one destination via closed van type truck, without a lift gate. It is your responsibility to unload from the truck. Power Boiler Sales, Inc. reserves the right to void, change or modify this estimate as additional information may become known. Boilers may require 8 weeks for shipment.  
PB Heat (Peerless) model TCI-15 S sectional knocked down unassembled low pressure steam and low NOx gas burner unit as per specification section 15550 Part 2.1 thru 2.3 with the following exceptions and/or explanations -  
Third party source testing is not included, burner warranty is One year not 10 as asked for, boiler sections have a 10 year limited warranty (labor is not included). Boiler foundation (pad) is not included, Emergency off switch is not included, boiler piping, vent connectors, flue gas recirculation piping and boiler boil-out are not included. Individual gas fuel flow meters are not included. Factory startup is included, but does not include any wiring or connections. Gas train components require field assembly. | 3   |      |       |
| SPECIAL    | PowerFlame optional 2 year warranty on the burner and controls.                                                                                                                                                                                                                                                                                                                                                                         | 3   |      |       |
| BAAQMD     | Boilers larger than 2,000 MBH input require either a 3rd Party Field Source Test or pre-certification by SCAQMD. There would be time to test 3 boilers on the same day. Power Boiler Sales is not offering to resell this service - it must be by an unassociated, uninvested 3rd party and would be performed after boiler startups.  
FILINGS, PERMITS, FEES AND THIRD PARTY SOURCE TEST ARE NOT INCLUDED NOR ARE ANY FLUE GAS SAMPLE APPARATUS. Sales tax will or will not be charged in accordance with the BOE rules and regulations.  
24 hr. emergency service is available (by others) but subject to charge by the hour, day of the week and if overtime is involved. Please review the assembly & installation guide at www.peerlessboilers.com. Peerless TCIII rear sections weigh 800# each. | 0   |      |       |

Phone # 510-235-0609  Fax # 510-235-1857
WWW.POWERBOILERSALES.COM

<table>
<thead>
<tr>
<th>Subtotal</th>
<th>Sales Tax (9.0%)</th>
<th>Total</th>
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