
SAN FRANCISCO UNIFIED SCHOOL DISTRICT
2011 PROPOSITION A BOND PROGRAM
ROOSEVELT MIDDLE SCHOOL

ADDENDUM NO. 1

PROJECT: Roosevelt Middle School
Boiler Replacement Project

460 Arguello Blvd. San Francisco
San Francisco, CA 94134

OWNER: San Francisco Unified School District
135 Van Ness Avenue
San Francisco, CA 94134

DATE: March 24, 2015

SFUSD Proj No: 11505

DSA File No: N/A
DSA App No: N/A
DSA Proj Tracking No: N/A

ARCHITECT: dsk architects
926 Natoma Street, Suite 200
San Francisco, CA 94103

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.

Acknowledge receipt of this Addendum by inserting its number and date in the bidding documents. Failure to do so may subject the bidder to disqualification.

PART A – CHANGES TO PROJECT MANUAL

AD01A.01 Re: Section 00500 – Agreement
Page 00500-3, Builder’s Risk should be unchecked.

PART B – CHANGES TO DRAWINGS

AD01B.01 Re: Sheet M4.03 – DETAILS
The following note added to General Notes:
IN LIEU OF DEMOLISHING THE EXISTING BOILER FLUE STACK FOR THE INSTALLATION OF THE NEW BOILER FLUE STACK, CONTRACTOR MAY PROPOSE AN ALTERNATE FLUE SYSTEM DESIGN HAVING THE NEW FLUE STACK INSTALLED WITHIN THE EXISTING FLUE STACK. ALTERNATE FLUE SYSTEM DESIGN WILL REQUIRE FIELD INVESTIGATION AND EVALUATION BY A LICENSED STRUCTURAL ENGINEER RETAINED BY THE CONTRACTOR TO DETERMINE THE EXISTING CONDITION OF THE EXISTING BOILER FLUE FOR ITS SUITABILITY TO BE USED FOR CONTAINING AND SUPPORTING THE NEW BOILER FLUE SYSTEM REQUIRED BY THE PROJECT. THE EVALUATION SHALL

INCLUDE THE EXISTING FLUE MATERIAL CONDITION, STRUCTURAL, GRAVITY AND SEISMIC CAPACITY, SUPPORTS AND ANCHORAGE OF THE EXISTING FLUE STACK. THE EXISTING CONDITION ASSESSMENT REPORT SHALL BE INCLUDED AS PART OF CONTRACTOR'S PROPOSAL AND WILL BE SUBJECT FOR EVALUATION AND APPROVAL BY THE SCHOOL DISTRICT. IF CONTRACTOR'S ALTERNATE FLUE DESIGN IS REJECTED, DESIGN AND PROVIDE THE NEW BOILER FLUE SYSTEM WITHOUT THE USE OF THE EXISTING BOILER FLUE STACK.

AD01B.02 Re: Sheet M2.01 - New Plan, M4.03 - Details, M5.02 - Piping Diagram; Spec Section 15560, 2.3.

Sheet M2.01: Sheet Note 5 revised to read: 6"Ø I.D. 304 SS AL29-4C FLUE GAS RECIRCULATION PIPE, TYPICAL.

Sheet M4.03: See attached Sketch SK-M01

Sheet M5.02: Sheet Note 9 revised to read: 6" SS FLUE GAS RECIRCULATION PIPE OF MATERIAL AL29-4C.

Spec Section 15560, 2.3: Note B & F revise the pipe size to 6".

PART C – BIDDER RFI

AD01C.01 **QUESTION:** Does the vertical stack that goes from the boiler room up through the roof have to be removed?

RESPONSE: There could be an alternate that would have the new flue stack installed within existing flue stack. Refer to addendum #1 (Item AD01B.01).

AD01C.02 **QUESTION:** The Contract documents indicate that the existing flue structure is to be removed as part of the boiler replacement. The structure is much more substantial than indicated in the drawings. During the Job Walk the District indicated that it was not the intent of the project to remove the existing flue. Could you please clarify?

RESPONSE: The intent is to replace the existing flue with new flue stack. The existing flue has no UL listing and oversized. In the other hand we can keep the existing flue and add the new one inside as an alternate see Addendum #1 (Item AD01B.01).

AD01C.03 **QUESTION:** Is there a specific Controls Contractor required to complete the control work on the project??

RESPONSE KISSCO CONTROL SYSTEM was the control contractor for the existing boilers. Existing control system is Distech and will remain. Control contractors should be authorized and qualified to work on Distech controls.

AD01C.04 **QUESTION:** There is conflicting information on the Builder's Risk Insurance requirement. The specs indicate that Builder's Risk is only required for projects over \$5,000,000 (page 00200-14). But, on page 00500-3, Builder's Risk is checked as required for the project. Could you please clarify the requirement?

RESPONSE: Page 00500-3, Builder's Risk should be unchecked.

AD01C.05 QUESTION: The drawings show several pipes running up thru the flue chase (i.e. relief lines, regulator vents, etc.). If the intent is to use the existing flue stack as a chase for the new boiler flue system, it is not practical to fit the new flue and all of these lines in that existing stack. Could you please address this issue?

RESPONSE: Current design as shown on drawings require demolishing existing boiler flue and provide a new boiler flue up to the roof. Contractor proposed installing new boiler flue through the existing flue stack is subject to field investigation, verifications and report of findings by contractor is subject to be review and approval by the school district.

Code Requirement: CMC 1006.1 requires safety valves discharge shall be extended outside the boiler room if the discharge would result in a hazardous discharge of steam inside the boiler room. We recommend discharging the steam to outdoor at a safe location at the roof level as designed. Discharging steam relief at area way outside the boiler room with door open from the boiler room creates a hazard condition.

Natural gas vents may be vented to outdoor by the area way if all conditions under CMC 1308.7.6 can be met.

AD01C.06 QUESTION: If the contractor obtains information from the manufacturer that there was not any asbestos used in the manufacturing of the existing peerless boilers, can the Contractor forego any abatement in the boilers?

RESPONSE: The Existing Conditions Spec 00335 of the Hazmat Specifications “assume” gaskets as asbestos containing materials, until supplementary sampling can prove otherwise, and the spec and drawings call for removal of “assumed” materials as abatement. Although the Contractor may use manufacturer’s information for their own bidding purposes, the District’s Consultant intends to inspect any suspect gasket or material located immediately once the boiler is accessible and within the first steps of disassembly. Should every inspected suspect sample prove non-asbestos containing (meaning every sample result is Non Detect for asbestos), the job would be deemed and continued as a non-asbestos job, in which credit back to the District may be implemented for any non-abatement work (now established). However, should any sample result in asbestos detected, the work would continue as specified.

For general reference, manufacturer’s letters stating that “no asbestos was used in the making of this boiler” may require additional information for clarity. Letters with said information at times concern materials only having > 1% asbestos content, in which materials less than 1% are neglected, unless the manufacturer has an index of materials used with a safety data sheet of material composition of the parts used in the boiler. In general, current technology has improved from 25-30 years ago in regards to analyzing materials to yield a more accurate result.

AD01C.07 QUESTION: Are there any control upgrades to be completed on the project?

RESPONSE: Please refer to Specification Section 15980, 1.1 and Drawing M6.01- Control Diagram for description of control work.

AD01C.08 QUESTION: Does the Contractor reconnect to existing control points in the temperature control panel?

RESPONSE: Please refer to Spec Section 15980, 1.1, B for description of retaining and rewiring the existing control points as required.

AD01C.09 QUESTION: Ref. sheet E0.02. Need clarification on the new panel schedule regarding the shunt-trip devices. How many amps with how many pole(s)? What kinds of equipment are these shunt-trip devices for?

RESPONSE: Typically circuit breaker with shunt-trip device require an extra space, in addition to the breaker space. As indicated on the Panel schedule, all breakers with shunt-trip device are shown to take up an extra space. For example, circuit No. 27/29/31 is a 15A/3P breaker feeding Boiler B-1, space No.33 is reserved to accommodate the shunt-trip device integral to the breaker.

AD01C.10 QUESTION: ref. Sheet M2.01: Note 8 describes that the flue scope of work is design build. Please confirm flue routing, sizing etc. is for reference only. Please confirm this is also true for piping routing (gas, drain & vent) and field clearance and coordination supersedes designed path

RESPONSE: Flue size shown is based on boiler manufacturer requirement, stack height and preliminary sizing from a boiler flue manufacturer. Contractor shall design built the flue system with final sizing based on boiler requirement, actual field layout and orientation etc. The design built submittal shall depict all sections of the flue system, fittings, termination, supports, seismic bracing and weatherproofing. Provide drains and emission instrument test ports as called for on drawings.

Contractor is to layout piping based on actual field conditions and submit shop drawings for review as required by the project specifications. No pipe size changes unless reviewed and accepted by MEOR.

D01C.11 QUESTION: Plan E0.02 – Shows a new electrical service to the new panel EC which calls for 250 amp breaker with 250MCM cable and 2-1/2" conduit to a calculated load requirement of 58 amps.

Two – ¾ HP Pumps @ 230/3/60 = 3.2 FLA each

Two – 3 HP Pumps @ 230/3/60 = 9.6 FLA each (Plus 120/1/60 CCT @? KVA)

Two – 1.5 HP Burners @ 230/3/60 = 6.0 FLA each (Plus 120/1/60 CCT @? KVA)

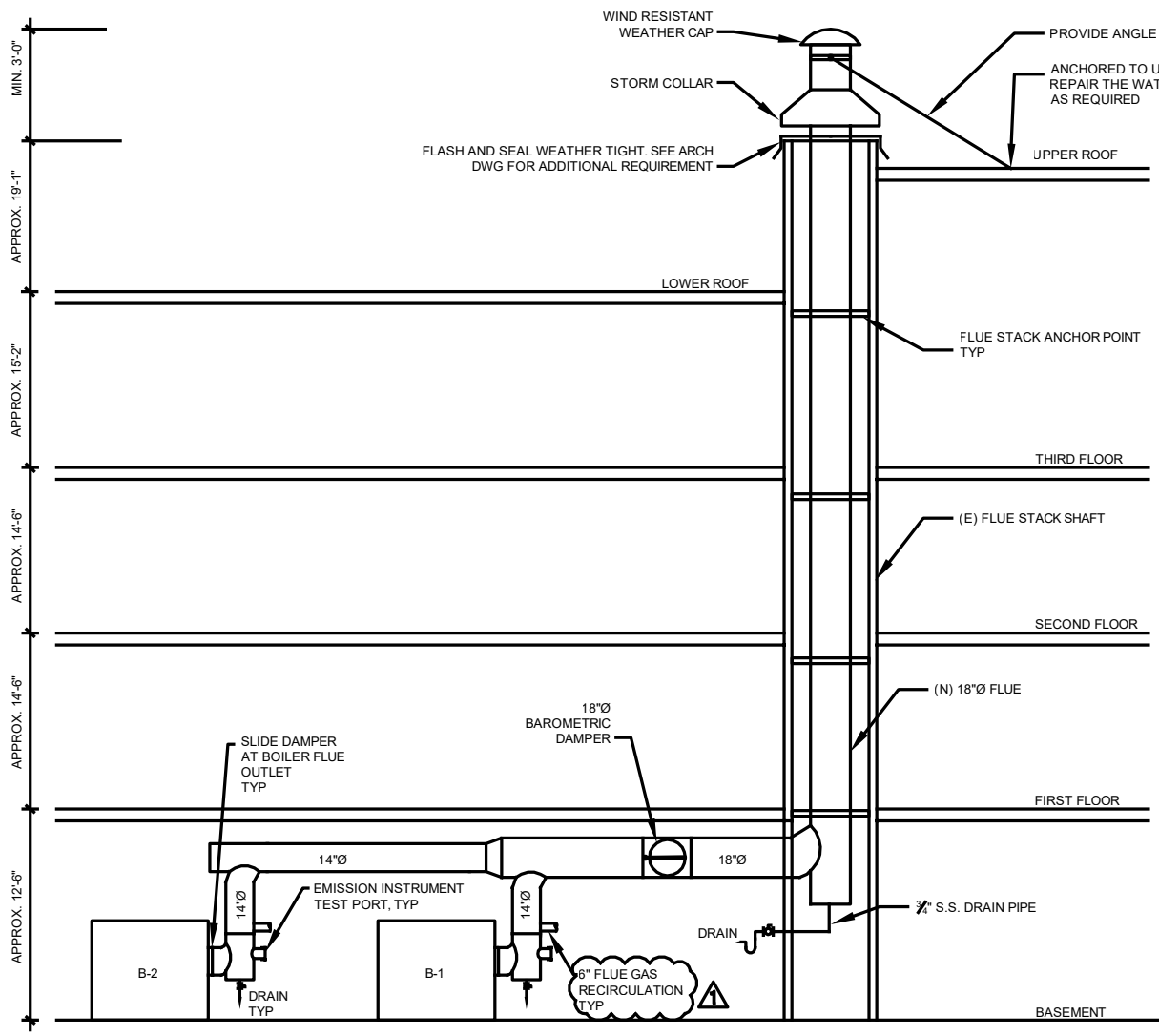
This could be better serviced by a 100 amp breaker with #2 wire and 1" conduit. This will reduce the costs for electrical on this project.

RESPONSE: The rating of the new panel is to match the existing spare breaker in the MSB. It is acceptable to downsize to 100A as proposed. Contractor shall remove existing spare breaker in MSB and provide new 100A/3P breaker to feed new panel. Submit due credit for review and approval prior to proceeding with the change. If the contractor decided to reuse the existing spare breaker as indicated on E0.02 instead of providing new 100A breaker. Please be aware that the existing breaker is actually 200A/3P, not 250A/3P as indicated in the single line. New panel and new feeder should be downsized accordingly to match the 200A breaker.

ATTACHMENTS:

Drawing Sketches:
SKM-01

Plotted on: 3/23/2016 9:15:36 AM
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 If this sheet is not 8 1/2" x 11" it is a reduced print - scale accordingly



GENERAL NOTES:

1. DETAIL SHOWN FOR CONTRACTOR'S REFERENCE ONLY. CONTRACTOR SHALL VERIFY THE FIELD CONDITION, COMPLETE FLUE SIZING AND ANCHORAGE DESIGN INCLUDING STRUCTURAL CALCULATIONS, ANCHOR AND STRUCTURAL MEMBER SIZING IN ACCORDANCE WITH SPECIFICATION REQUIREMENT FOR SEISMIC RESTRAINT. CONTRACTOR TO DESIGN-BUILT THE FLUE STACK PER LOCAL CODE REQUIREMENT AND MFGR REQUIREMENT FOR A COMPLETE FLUE SYSTEM.
2. ALL EXPANSION ANCHOR SHALL BE IN ACCORDANCE WITH REQUIREMENT AS SHOWN ON STRUCTURAL DRAWING AND SPECIFICATION. ALL STEEL HARDWARE FOR EXTERIOR INSTALLATION SHALL BE GALVANIZED STEEL.
3. IN LIEU OF DEMOLISHING THE EXISTING BOILER FLUE STACK FOR THE INSTALLATION OF THE NEW BOILER FLUE STACK, CONTRACTOR MAY PROPOSE AN ALTERNATE FLUE SYSTEM DESIGN HAVING THE NEW FLUE STACK INSTALLED WITHIN THE EXISTING FLUE STACK. ALTERNATE FLUE SYSTEM DESIGN WILL REQUIRE FIELD INVESTIGATION AND EVALUATION BY A LICENSED STRUCTURAL ENGINEER RETAINED BY THE CONTRACTOR TO DETERMINE THE EXISTING CONDITION OF THE EXISTING BOILER FLUE FOR ITS SUITABILITY TO BE USED FOR CONTAINING AND SUPPORTING THE NEW BOILER FLUE SYSTEM REQUIRED BY THE PROJECT. THE EVALUATION SHALL INCLUDE THE EXISTING FLUE MATERIAL CONDITION, STRUCTURAL GRAVITY AND SEISMIC CAPACITY, SUPPORTS AND ANCHORAGE OF THE EXISTING FLUE STACK. THE EXISTING CONDITION ASSESSMENT REPORT SHALL BE INCLUDED AS PART OF CONTRACTOR'S PROPOSAL AND WILL BE SUBJECT FOR EVALUATION AND APPROVAL BY THE SCHOOL DISTRICT. IF CONTRACTOR'S ALTERNATE FLUE DESIGN IS REJECTED, DESIGN AND PROVIDE THE NEW BOILER FLUE SYSTEM WITHOUT THE USE OF THE EXISTING BOILER FLUE STACK.

2 NEW FLUE STACK DETAIL
 SCALE: NONE



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**ROOSEVELT MIDDLE SCHOOL -
 BOILER REPLACEMENT**

DWG SHEET REF: M4.03
ISSUE REF: ADDENDUM 1
SKETCH #: SKM-01
 ISSUE DATE: 03/23/16