



Halifax

Regional Centre for Education

RFT# 4240 - Addendum #2 Boiler Replacement, Bicentennial School

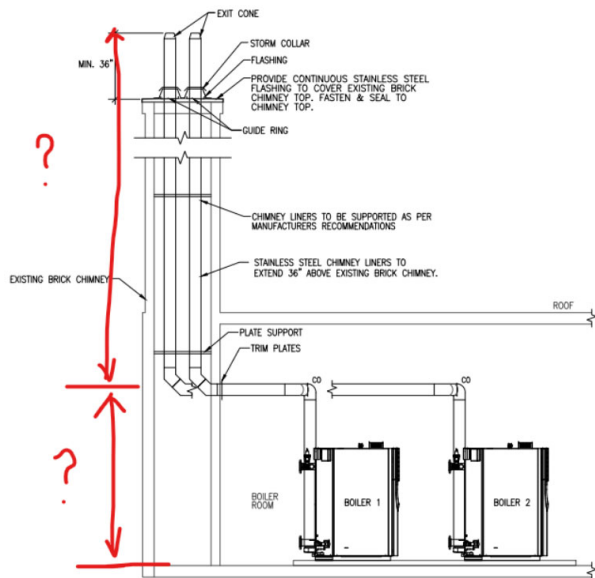
To: All Bidders
Date: May 29, 2024
From: Nancy Rideout, Purchasing Manager
Office: (902) 464-2000 ext. 2222
Email: nrideout@hrce.ca

The bid documents shall be amended, and new drawings and clauses added, and shall become part of the contract documents as follows:

Question #1

Regarding chimney height:

“The elevation drawing is not to scale. Please provide a scaled elevation drawing or please advise on the dimensions I have marked up on the attached screenshot.”



3 CHIMNEY AND BREECHING ELEVATION
MH501 NTS

Response:

Find included field measured dimensions on MSK001.

Question #2

Regarding electrical work and specifications:

(part 1) Can you please provide EP201, EP601 and/or a list of breakers being transferred from the existing boiler room Square D panel to the new 1B03 Panel.

(part 2) Please also provide the electrical specifications.

Response:

Part 1:

DRAWINGS

1. Reference Drawing EM101

1. All circuit breakers installed in Panel 1B03 to have a 22 KAIC interrupting rating.
2. Electrical contractor is to visit the site and carry the costs for refeeding all circuits to remain in service from existing boiler room panel to new Panel 1B03, as per notes associated with Panel 1B03 panel directory.

Part 2:

Electrical specifications are included on drawing EM201.

Question #3

Regarding breaker sizes and existing branch circuits to be connected to new panel 1B03:

VOLTS	120/208			PANEL	NEW 1B03			TYPE	PRL-1		
PHASE	3			LOCATION	BOILER RM			MAINS	225		
WIRE	4			FED FROM	DP1150			ENTER AT	MTG. S		

DESIGNATION	WATTS			CIR. No.	BKR NO	A	B	C	BKR NO	CIR. No.	WATTS			DESIGNATION
	A	B	C								A	B	C	
LIGHTING-BOILER RM	300			1	15A	+	+	+		2				
BOILER B1		500		3	15A	+	+	+		4				
BOILER B2			500	5	15A	+	+	+		6				
BOILER P-B1	500			7	2P	+	+	+		8				
		500		9	15A	+	+	+		10				
BOILER P-B2			500	11	2P	+	+	+		12				
	500			13	15A	+	+	+		14				
EXH FAN EF-10		300		15	15A	+	+	+		16				
SUPPLY FAN SF-10			300	17	15A	+	+	+		18				
				19		+	+	+		20				
				21		+	+	+		22				
				23		+	+	+		24				
				25		+	+	+		26				
				27		+	+	+		28				
				29		+	+	+		30				
				31		+	+	+		32				
SPARE				33	20A	+	+	+	15A	34			SPARE	
SPARE				35	20A	+	+	+	15A	36			SPARE	
SPARE				37	20A	+	+	+	15A	38			SPARE	
SPARE				39	20A	+	+	+	15A	40			SPARE	
SPARE				41	20A	+	+	+	15A	42			SPARE	
# A TOTAL														
# B TOTAL														
# C TOTAL														
TOTAL LOAD					KW		AMP							

● GROUND FAULT CIRCUIT INTERRUPTER BREAKER
 * LOCKABLE BREAKER

PANEL BOARD TO BE 20" WIDE X 5.75" DEEP, COPPER MAINS

1. PROVIDE SEPARATE NEUTRALS FOR ALL NEW CIRCUITS
 2. TRACE AND IDENTIFY EACH EXISTING BRANCH CIRCUIT AND PROVIDE TYPED PANEL DIRECTORY

EXISTING BRANCH CIRCUITS TO BE TRANSFERRED OVER FROM EXISTING BOILER ROOM SQUARE D PANEL AS INDICATED ON NOTE-1, DRAWING EP201.
 PROVIDE BREAKERS SIZED TO MATCH EXISTING, EXTEND EXISTING BRANCH CIRCUITRY AS REQUIRED.

Response

See response to question #2.

Question #4

With reference to section 23 51 00 Breeching and Chimneys:

Vendor requests that Duravent product Durastack Pro be approved as alternate.

Response

Alternate is accepted.

Refer to specification section 23 51 00 Breeching and Chimneys:

- Add "2.2.9.5 Duravent FasNSeal"

Question #5

With reference to section 23 52 00 Condensing boilers:

Vendor requests that Fulton and/or Patterson-Kelley be approved as alternates.

Response

Requested alternate by Fulton is acceptable.

Alternate Patterson-Kelley unit is not acceptable due to incorrect power supply voltage.

Refer to specification section 23 52 01 Condensing boilers:

- Add "2.11.3 Fulton Endura series"

Question #6

(Part 1) There is one Carbon Monoxide detector to be installed in Boiler room and we need to feed new feeder from existing fire alarm panel to this detector. Can you let us the routing of the circuit as we are not sure from main level which room we need to drop down to basement to get connected to the detector in Boiler room.

(Part 2) Is fire stopping needed in electrical room for the feeder running from electrical room to Boiler room?

Response

(Part 1) Contractor is to visit site and propose routing for the fire alarm conduit.

(Part 2) All openings made in electrical room and boiler room to allow for passage of electrical services require firestopping.

Question #7

Regarding cleaning and finish at boiler room:

“Do we have to allow for deep cleaning and painting for the boiler room (especially the floor)?”

Response

Standard cleaning as required, painting not in scope of tender.

Question #8

With reference to section 23 52 00 Condensing boilers:

Vendor requests that Gasmaster Industries model NX-2000 be approved as an alternate.

Response

Gasmaster Industries model NX-2000 is not acceptable due to incorrect power supply voltage.

Question #9

With reference to section 23 52 00 Condensing boilers:

Vendor requests that Thermal Solutions model AMP-2000 be approved as an alternate.

Response

Thermal Solutions model AMP-2000 is not acceptable. Submittal supplied for review does not demonstrate BACNet.

Question #10

With reference to section 23 51 00 Breeching and Chimneys:

Vendor requests that Van Packer be approved as an acceptable alternate.

Response

No submittal was received for review, and Van Packer is not accepted as an alternate.

Question #11

What is the construction of the existing chimney liner?

Response

Stainless steel, based on recent upgrades.

Question #12

Is HRCE aware of any asbestos within the building and is there an asbestos report?

Response

Please refer Addendum #1 – it included the Asbestos Management Program, and the Hazardous Building Materials Assessment Report for this school.

Question #13

There is concern that the lead times will exceed the current project schedule. If the schedule is not attainable due to equipment lead times, will there be flexibility with the project schedule and will working hours need to be adjusted?

Response

Please include a schedule with submission for review. Schedule extensions will need to be approved. During the school year, most work will need to happen after school hours and on weekends, with a lot of coordination.

Question #14

Bidders will be unable to provide a quote for the work in the existing switchboard, please provide a one-week extension at the request of the Schneider service department. They are the only organization that will be able to offer this service.

Response

The RFP close date has been extended to Thursday, June 6.

Clarifications

Item #1

REFERENCE DRAWINGS

1. Reference Detail 1/MH101
 1. Revise demolition note 2:
Remove existing boiler breeching and chimney liner.
2. Reference drawing MH601
 1. Reference Natural Gas Fired Boiler Schedule
 1. Revise note in Accessories and/or Remarks:
Must fit through 30" door opening.
3. Reference Detail 4/MH101
 1. Add note:
*Existing door frame to be removed and reinstated by owner.
Approximately 32" wide.*

4. Reference Detail 1/MH501
 1. New gas piping from master gas shut off valve to boilers to be 2". Provide 5 psi to 14"w.c. regulators in branch to each boiler and vent. Vent pipe sizes to be in accordance with manufacturers literature. Shall be no more than 30ft equivalent straight length from boiler. Minimum distance as per boiler manufacturers literature.

5. Reference Detail 1/MH501
 1. Mechanical contractor shall expose chimney to permit installation of support brackets. Quantity and spacing as per manufacturer's installation instructions. Mechanical contractor to engage structural engineer to advise prior to cutting or removing bricks from chimney.

Additional Information

Included with this addendum find the following information for housekeeping pads in the boiler room:

- 1) Structural drawing S101.2 STRUCTURAL DETAILS – Issued for Addendum #2 – 24 MAY 2024

Extended Close Date:

The close date of this RFP has been extended to Thursday - June 6, 2024.

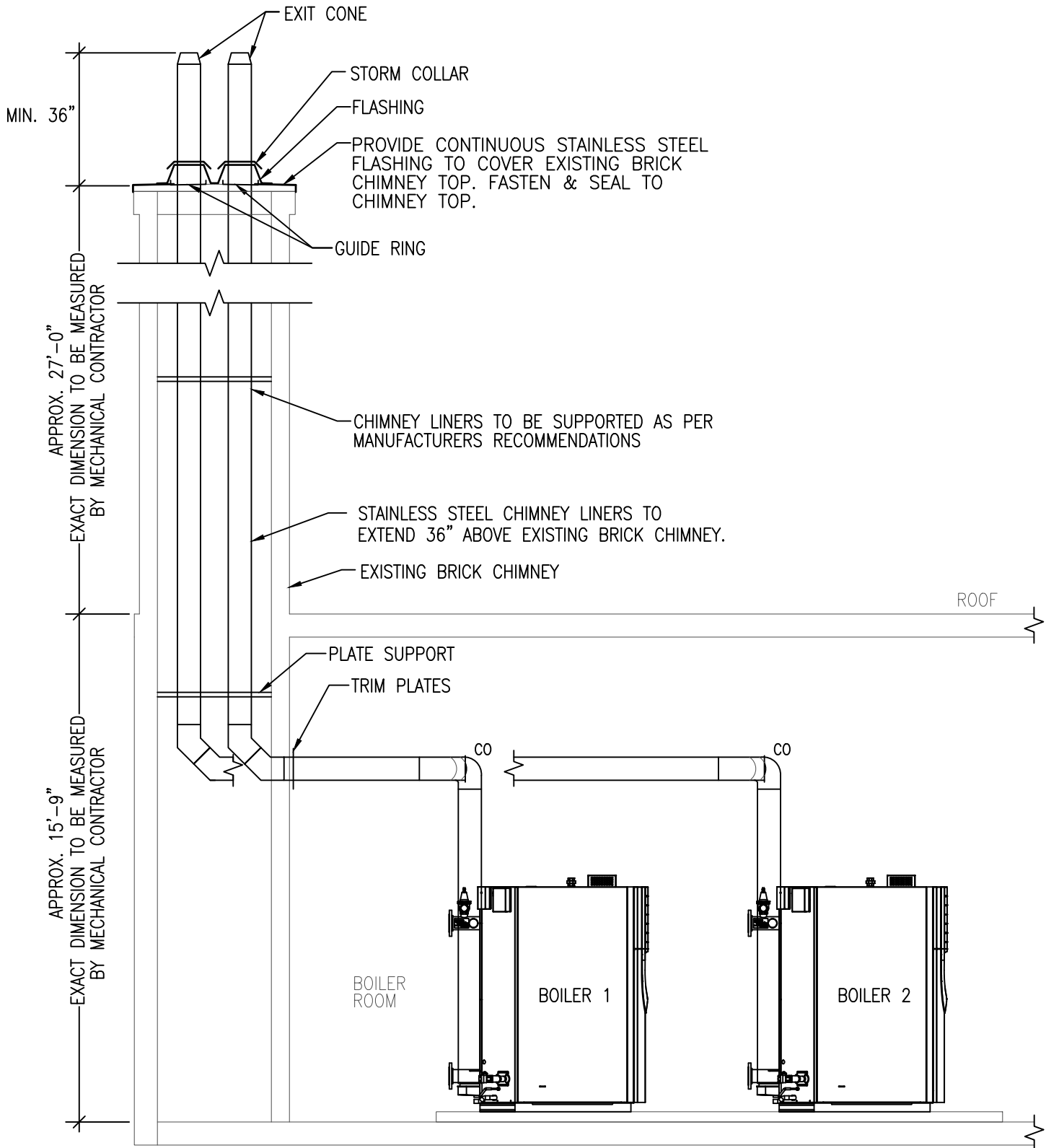
No further questions will be accepted.

RFT# 4240 - End of Addendum #2

PLEASE SIGN BELOW AND RETURN WITH BID DOCUMENTS:

Signature

Company Name



DUMAC ENERGY LIMITED
 752 BEDFORD HWY.
 HALIFAX, N.S.
 B3M 2L9

SCALE NTS

DRAWN BY STAFF

CHECKED BY CJL

PROJECT BICENTENNIAL BOILER REPLACEMENT

DATE MAY 24, 2024

DRAWING CHIMNEY ELEVATION (DETAIL 3/MH501)

DRAWING No. MSK001

