

## RFT# 4239 - Addendum #2 Heat Pumps and Electrical Service Bicentennial School

To: All Bidders

Date: May 30, 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

Reference section 24 81 35, VRF Multi Split System. I would like to request that Samsung be approved as an alternate.

## Response:

The requested alternate is accepted.

Reference Specification section 24 81 35 Variable Refrigerant Flow Multi Split Systems:

• Add "2.8.4 Samsung to the requirements listed above"

## Question #2

(Part 1) Is HRCE aware of any asbestos within the building and is there an asbestos report?

(Part 2) For the heat pump condensing unit stands – are aluminum stands acceptable?

*(Part 3)* On drawing MV-104, there is a note regarding the structural stand for AC-1 to see structural drawings for information. Assuming the stand is part of this tender package, please provide structural drawings.

*(Part 4)* On drawing MV-104, there is note to refer to architectural drawings for roof infill information. There is architectural drawing with roofing information, could this please be provided?

*(Part 5)* Is there a warranty on the existing roof? If so, please advise of the contractor that holds the warranty.

(*Part 6*) The refrigeration specification notes that exterior lines are to be covered in aluminum jacketing, the drawings note that slim duct covering is to be used. Please advise which covering should be used on exterior refrigeration lines. If using slim duct, is the intent for the 1-1/2" condensate line to be run in it as well?

(*Part 7*) Reaching out on current lead times for equipment, 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:

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

(Part 2) No, aluminum stands are not acceptable.

(*Part 3*) Structural drawings are included with this addendum. Refer to "Additional Information" at the end of Addendum #1.

(*Part 4*) Roofing is not part of the scope of this project. Mechanical accessories and roof components will not be removed from the roof area. Openings will be capped at the interior where ductwork is removed.

(Part 5) The roof is no longer under warranty.

*(Part 6)* Exterior Refrigeration lines are to be covered with aluminum jacketing unless covered by slim duct. Intent is for the 1-1/2" condensate line to be run within slim duct'

(*Part 7*) Please include a schedule with submission for review. Schedule extensions will need to be approved by federal government. During the school year, most work will need to happen after school hours and on weekends, with a lot of coordination.

## Question #3

Would you please confirm if we need to involve a Sprinkler subcontractor to relocate the sprinklers from the new Electrical room, and adding whatever it should be added as fire protection system according to the code?

#### Response:

Sprinkler requirements to be confirmed, omit from scope.

## Question #4

(Part 1) Vendor requests that Carrier/Toshiba VRF system be approved as alternate to specified units.

(Part 2) Vendor requests that Carrier packaged heat pump unit be approved as alternate to specified unit AC-1.

#### **Response:**

*(Part 1)* Carrier/Toshiba VRF system is not acceptable. Submission does not demonstrate BACNet.

*(Part 2)* Carrier is already a specified manufacturer for packaged outdoor unit AC-1. Refer to specification section 24 74 00 paragraph 2.9.1.

### Question #5

Vendor requests that Fujitsu VRF system be approved as alternate to specified units.

### Response:

The requested alternate is accepted.

Reference Specification section 24 81 35 Variable Refrigerant Flow Multisplit Systems:

Add "2.8.5 Fujitsu to the requirements listed above"

## Question #6

Please clarify on controls noted below:

- The ventilation plans (MV-101 to MV-103) show existing space temperature sensors throughout the school. We currently only have existing BAS space temperature sensors in 13 rooms. Are we to add a BAS space temperature sensor and perimeter heating control in each space that shows an existing space temperature sensor on the ventilation plans?
- 2) Are BAS controls required for the new gym unit AC-1?

#### Response:

- 1) Refer to clarification item #4 below.
- 2) Yes. Refer to clarification item #4 below.

## **Clarifications**

#### Item #1

Please ensure that dust control and site cleanup (including adjacent spaces) is included, as detailed in supplementary general conditions.

#### Item #2

Reference Specification section 00 41 13, item 6.3. Revise area breakouts as follows, amending price requirements for Area 2:

## Area 1. HEAT PUMPS FOR VICTORIA WING CLASSROOMS AND ELECTRICAL SERVICE UPGRADE

	/100	Dollars (\$)
(HST Excluded)		
Area 2a. HEAT PUMPS FOR THISTLE WING AND ADDI	FION	
(HST Excluded)	/100	Dollars (\$)
Area 2b. HEAT PUMPS FOR ADDITION		
(HST Excluded)	/100	Dollars (\$)
Area 3. HEAT PUMPS FOR ADMINISTRATIVE AREAS		
(HST Excluded)	/100	Dollars (\$)
Area 4. HEAT PUMP(S) FOR GYMNASIUM		
(HST Excluded)	/100	Dollars (\$)

### Item #3

## DRAWINGS

- 1. Reference Drawing E-102
  - 1. Delete Transformer Pad Detail 1/E-102.
  - 2. Provide a transformer deep well design as per NSP 6U-ED-26M.
  - 3. The GC will need to provide a temporary access driveway to the new padmount location for crane access. Remove temporary driveway after transformer installation and return all surfaces to pre-construction state.

### Item #4

## **REFERENCE DRAWINGS**

- 2. <u>Reference Drawing MV102</u>
  - 1. Revise VRF Heat Pump Schedule Victoria Main Level
    - 1. Symbol: HP-151
      - 2. Model: PLFY-P08
      - 3. Rated Cooling Capacity: 8 MBH
      - 4. Rated Heating Capacity: 9 MBH

## 3. Reference Drawing MV103

- 1. Revise VRF Heat Pump Schedule Addition Wing Main Level
  - 1. Symbol: HP-232
  - 2. Model: PLFY-P15
  - 3. Rated Cooling Capacity: 15 MBH
  - 4. Rated Heating Capacity: 17 MBH
- 2. Revise VRF Heat Pump Schedule Addition Wing Main Level
  - 1. Symbol: HP-233
  - 2. Model: PLFY-P15
  - 3. Rated Cooling Capacity: 15 MBH
  - 4. Rated Heating Capacity: 17 MBH
- 3. Revise VRF Heat Pump Schedule Addition Wing Basement Level
  - 1. Symbol: HP-333
  - 2. Model: PLFY-P15
  - 3. Rated Cooling Capacity: 15 MBH
  - 4. Rated Heating Capacity: 17 MBH

## 4. <u>Reference Detail 3/MC601</u>

- 1. Add note:
  - "Integrate the following points via BACnet MSTP or IP:
  - BO AC1 Enabled
  - BI AC1 Alarm
  - AO AC1 Mode Select
  - AI AC1 Mode
  - BO AC1 Temp Reset
  - AI AC1 SAT
  - AI AC1 Economizer Status
  - AI AC1 Power Exhaust Status"

- 5. <u>Reference Detail 3/MC601</u>
  - 1. Add sequence of operations:

"Where an existing BAS room temperature sensor does not exist (hydronic heat is zoned with multiple rooms), controls shall be coordinated such that when hydronic heat serving a room is enabled, the room's Heat Pump cooling is disabled."

- 6. <u>Sections 24 74 00 Packaged Outdoor HVAC Equipment</u>
  - 1. Delete 2.7.2
  - 2. Delete 2.7.7
- 7. <u>Sections 24 81 35 Variable Refrigerant Flow Multi split systems</u>

1. Revise 2.3.7.2 Corrosion coatings on coil surfaces tested to withstand a 6000 hour salt spray test in accordance with ASTM B117 or in accordance with JIS Z2371 with a rating number greater than or equal to 9.0.

## Additional Information

Included with this addendum find the following information:

1) Structural drawing S101.1 STRUCTURAL DETAILS – Enclosed – 24 MAY 2024

## Extended Close Date:

The close date of this RFT has been extended to Tuesday – June 4, 2024.

No further questions will be accepted.

## RFT 4239 - End of Addendum #2

PLEASE SIGN BELOW AND RETURN WITH BID DOCUMENTS:

Signature

Company Name

