



RFT ADDENDUM

N°: 02

| Project Number: | Project Name: | Location Address: | Project Manager: |
|-----------------|------------------------------------|---|------------------|
| BL17-046 | Bora Laskin Building HVAC Upgrades | Bora Laskin Building - Lakehead University Campus 955 Oliver Road, Thunder Bay, ON. | James McKillop |

| То: | |
|-------------|--------------|
| • | Date: |
| All Bidders | May 15, 2018 |

The following changes in the Request for Tenders documents are effective immediately. This Addendum will form part of the Contract Documents:

(N.B: The Contractor shall acknowledge receipt of this Addendum on "BID FORM – ITEM 12.4" of the Request for Quotations)

| Item | Description | | | |
|------|---|--|--|--|
| 1 | Reference Specification Section 01 35 30 HEALTH AND SAFETY REQUIREMENTS | | | |
| | 1. Delete: | | | |
| | Subsection 1.9.1. referencing that the work will not involve Asbestos Containing Materials. Refer to Project Specific Designated Substance Survey in Appendix 1 of the Specification Documents for an overview of know hazardous materials. | | | |
| 2 | Reference Specification Section 09 51 13 ACOUSTIC CEILING PANELS | | | |
| | 1. Delete: | | | |
| | Subsection 2.1.1.1. | | | |
| | 2. Replace with: | | | |
| | Acoustic Ceiling Panels to be CGC "Astro", Item No. 8241, square edge, fine textured, non-fissured, white, NRC=0.55, CAC=35 | | | |
| 3 | Reference Specification Section 23 09 33 ELECTRIC AND ELECTRONIC CONTROL SYSTEMS - HVAC | | | |
| | 3. Delete: | | | |
| | Subsection 1.3.6. reference to "Fort Frances Consolidated Elementary School". | | | |
| | 4. Replace with: | | | |
| | "Lakehead University Bora Laskin Building". | | | |
| 4 | Reference Specification Section 23 34 00 HVAC FANS | | | |
| | 1. Delete: | | | |
| | Subsections 2.2.3 and 2.2.4. | | | |

2. Replace with:

- 2.2.3 ERV-1 Return Fan
 - 2.2.3.1 Aldes Belt-driven centrifugal forward-curved fan factory-installed inside unit.
- 2.2.4 ERV-1 Supply Fan
 - 2.2.4.1 Aldes Belt-driven centrifugal forward-curved fan factory-installed inside unit.

3. Rename:

Subsection 2.2 heading "Destratification Paddle Fans" to "HVAC Fans"

5 Reference Drawings A1 and A2 Construction Note CN-01

1. **Add:**

Contractor is required to deliver and donate the existing barn doors, track and hardware to Habitat for Humanity (660 Squier St, Thunder Bay, ON P7B 4A8). The existing door systems are to be carefully removed to mitigate damage during removal.

6 Reference Drawing 18-308-M27 Diffuser/Grille Types Schedule

1. Delete:

Diffuser/Grille Types Schedule

2. Replace with:

| Type | Description |
|------|---|
| Α | (SIZED AS NOTED)/24x24/SCD/ 3C /31/B12 |
| В | (SIZED AS NOTED)/12x12/SCD/ 3C /31/B12 |
| С | (SIZED AS NOTED)/24x24/SMD/ 33 /2S/B12 |
| D | (SIZED AS NOTED)/12x12/SMD/33/2S/B12 |
| Е | (SIZED AS NOTED)/80/ NF /B12 |
| F | (SIZED AS NOTED)/80/F/A/B12 |
| G | (SIZED AS NOTED)/530/F/L/A/B12 |
| Н | (SIZED AS NOTED)/510D/F/L/A/B12 |
| J | (SIZED AS NOTED)/630/F/L/A/B12 |
| EX | EXISTING DIFFUSER/GRILLE |

7 Reference Drawing 18-308-M29 Equipment List

Equipment List references two boilers when it should indicate three boilers

1. Delete:

Boiler Tag B-1 & B-2

2. Replace with:

B-1, 2 & 3

8 Reference Drawings 18-308-E2, 18-308-E3, 18-308-E4 and 18-308-E5

1. Add:

REMOVE EXISTING EMERGENCY EXIT SIGNS IN CORRIDOR X1012, CORRIDOR X1016 AND CORRIDOR X2011 AND RETAIN EXISTING WIRING FOR RE-USE. PROVIDE NEW EXIT SIGNS AND INSTALL BELOW NEW DROP CEILING. EXTEND EXISTING WIRING AS REQUIRED.

NEW EXIT SIGNS TO BE ONE-PIECE STEEL CONSTRUCTION COMPLETE WITH POLYCARBONATE FACEPLATE(S) WITH AN OPAQUE BORDER COLOURED FACTORY-WHITE. GREEN PICTOGRAM EXIT SIGN C/W LONG LIFE LED LIGHT SOURCE, 120V INPUT. UNIVERSAL FACE AND MOUNTING, SELF-POWERED BATTERY BACKUP, VANDAL RESISTANT SHIELD AND TAMPER-PROOF SCREWS.

EMERGI-LITE CAT NO. ES-3-W-I-VR

9 Questions and Answers:

9.1 Q1: Is contractor parking available?

A1: A portion of the Parking Lot 'G6' will be designated for contractor parking at no additional cost to the contractor. All contractor vehicles (including subcontractors) must display the general contractor's logo. The general contractor's logo may be displayed on an 8.5"x11" sheet of page situated on the dash of the vehicle.

9.2 Q2: Clarify boiler venting and combustion air duct materials.

A2: Boiler venting to be ICC INDUSTRIAL CHIMNEY MODEL VIC 06",14" DOUBLE WALL CHIMNEY SYSTEM. Combustion air duct to be 22GA GALVANIZED STEEL DUCT. Insulate combustion air duct as per specification.

- **9.3** Q3: The lighting control specified requires a CAT 6 Feed to the wireless controller. These feeds have to come from the nearest PoE switch in the Lan Room or switch location. Could you please have someone indicate the locations of the Lan rooms or PoE switches in the areas where the lighting renovations are?
 - **A3:** There are two locations for networking switches, Room 2040B and Room 1004. If there are not enough PoE ports on the switches, PoE injectors will need to be installed in regular ethernet ports.
- **9.4** Q4: Does the price breakdown # 2 Demolition include the demolition for the breakdowns # 8 and # 9 as well?
 - **A4:** No, the demolition of Classroom and Plan 'D' Lighting should be included in Bid Price Breakdown Line Items 8 and 9 respectively.
- **9.5 Q5:** Drawing E15 Basement Floor Plan lighting Demolition and lighting renovation show no lighting controls to be removed or installed. The Electric Legend indicates the new Type D1 Fixture being installed to have wireless controller. These are not shown on the drawing as to location.
 - **A5:** Yes, light switch controls are to be removed and replaced with wireless control switches similar to those specified throughout the rest of the drawing package. Contractor to confirm light switch locations.

Q6: Can we get a detailed installation wiring schematic of the specified Eaton wireless control components showing the power and Ethernet connections required and any special back box or mounting requirements of each?

A6: See attached zip file containing installation instruction for the wireless controller, wireless wall stations, and wireless occupancy sensors.

Q7: Great Northern Controls (Delta Controls Partner) in Thunder Bay is requesting equal status for the controls portion of the above project.

A7: The new DDC system to be installed as specified with no substitution.

10 Attachments:

Wavelinx Installation Documents Zip File

End of Addendum #02

| Project Manager | Telephone | Email |
|-----------------|----------------|-------------------------|
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