



788-2024B ADDENDUM 5

CITY ARCHIVES BUILDING REDEVELOPMENT – 380 WILLIAM AVENUE

URGENT

**PLEASE FORWARD THIS DOCUMENT TO
WHOEVER IS IN POSSESSION OF THE
BID/PROPOSAL**

ISSUED: April 3, 2025
BY: Daniel Long
TELEPHONE NO. 204 943-7564

**THIS ADDENDUM SHALL BE INCORPORATED
INTO THE BID/PROPOSAL AND SHALL FORM
A PART OF THE CONTRACT DOCUMENTS**

Template Version: Add 2024-02-01

Please note the following and attached changes, corrections, additions, deletions, information and/or instructions in connection with the Bid/Proposal, and be governed accordingly. Failure to acknowledge receipt of this Addendum in Paragraph 10 of Form A: Bid/Proposal may render your Bid/Proposal non-responsive.

NMS SPECIFICATIONS

ARCHITECTURAL

Section 08 71 00 Finish Hardware:

Replace: 3.2.1 Hardware Groups with 788-2024B_Addendum_5_HardwareGroups-R1.pdf.

Replace: Door Schedule with 788-2024B_Addendum_5_Door+FrameSched-R1.pdf.

MECHANICAL

Section 22 10 10 Plumbing Pumps:

Add: 2.1.7 Approved Equal – Bell & Gossett, to meet or exceed specified product.

Add: 2.3.4 Approved Equal – Bell & Gossett, to meet or exceed specified product.

Section 23 05 19 Thermometers and Pressure Gauges:

Add: 2.2.6 Approved Equal – H.O. Trerice, to meet or exceed specified product.

Add: 2.3.3 Approved Equal – H.O. Trerice, to meet or exceed specified product.

Section 23 09 34 Variable Frequency Drives:

Add: 2.1.12 Approved Equal – Danfos, to meet or exceed specified product.

Section 23 21 13.1 Hydronic Systems - Steel:

Add: 2.6.4 Approved Equal – Flex-Hose, to meet or exceed specified product.

Section 23 21 14 Hydronic Specialties:

Add: 2.1.7 Approved Equal – Armstrong, Bell & Gossett, Calefactio, Wessels and Taco, to meet or exceed specified product.

Add: 2.2.6 Approved Equal – Calefactio, Bell & Gossett/Niles and Wessels, to meet or exceed specified product.

Add: 2.4.16 Approved Equal – Taco and Bell & Gossett, to meet or exceed specified product.
Add: 2.9.7 Approved Equal – Precision , Madok, Daikin/Heatcraft and Trane, to meet or exceed specified product

Specification 23 21 23 Hydronic Pumps:

Add: 2.2.8 Approved Equal – Bell & Gossett, Wilo and Taco, to meet or exceed specified product.
Add: 2.3.9 Approved Equal – Bell & Gossett, Wilo and Taco, to meet or exceed specified product.
Add: 2.4.11 Approved Equal – Bell & Gossett, Wilo and Taco, to meet or exceed specified product.
Add: 2.5.11 Approved Equal – Bell & Gossett, Wilo and Taco, to meet or exceed specified product.
Add: 2.6.10 Approved Equal – Bell & Gossett, Wilo and Taco, to meet or exceed specified product.

Specification 23 33 14 Dampers – Balancing:

Add: 2.4.9 Approved Equal – Ventex/Nailor, to meet or exceed specified product.

Specification 23 33 15 Dampers – Operating:

Add: 2.1.17 Approved Equal – Alumavent, to meet or exceed specified product.
Add: 2.2.16 Approved Equal – Alumavent, to meet or exceed specified product.
Add: 2.3.10 Approved Equal – Ventex/Nailor, to meet or exceed specified product.

Specification 23 34 00 HVAC Fans:

Add: 2.1.12 Approved Equal – Twin City, to meet or exceed specified product.

Specification 23 37 13 Grilles, Registers and Diffusers:

Add: 2.3.3 Approved Equal – AirVector, to meet or exceed specified product.

Specification 23 37 20 Louvres, Intakes and Vents:

Add: 2.1.4 Approved Equal – Ventex, to meet or exceed specified product.

Specification 23 51 00 Breechings, Chimneys & Stacks:

Add: 2.1.10 Approved Equal – Selkirk, to meet or exceed specified product.

Specification 23 52 00 Hot Water Heating Boilers:

Add: 2.1.9 Approved Equal – Aerco Model BME 684, to meet or exceed specified product.
Add: 2.2.9 Approved Equal – Aerco Model BMK 2500, and Fulton EXE-2500 to meet or exceed specified product.

Specification 23 55 01 Duct Mounted Coils:

Add: 2.1.9 Approved Equal – Precision Coils , Madok, Daikin/Heatcraft and Trane, to meet or exceed specified product.

Specification 23 57 00 Heat Exchangers for HVAC:

Add: 2.1.10 Approved Equal – Taco, Alfa Laval and AIC, to meet or exceed specified product.

Specification 23 82 19 Fan Coil Units:

Add: 2.1.11 Approved Equal – SIWA, Trane, Kampmann and IEC, to meet or exceed specified product.
Add: 2.2.7 Approved Equal – SIWA, Kampmann, Verano and IEC to meet or exceed specified product.

Specification 23 82 20 Forced Air Heaters:

Add: 2.1.9 Approved Equal – Sigma and Trane, to meet or exceed specified product.
Add: 2.2.11 Approved Equal – Sigma and Trane, to meet or exceed specified product.

Specification 23 82 36 Finned Tube Radiation Heaters:

Add: 2.1.6 Approved Equal – Sigma, to meet or exceed specified product.

Specification 23 82 39 Unit Heaters:

Revise: 2.1.5 Approved Equal – Engineered Air, Sigma, Sterling, Trane, Zehnder Rittling Vulcan, VTS to meet or exceed specified product.

DRAWINGS

ARCHITECTURAL

Refer to 788-2024B_Drawings_Architectural-R0.pdf:

Replace: A0.2 with 788-2024B_Addendum_4_Drawing_A0.2-R1.pdf.
Replace: A4.4 with 788-2024B_Addendum_4_Drawing_A4.4-R1.pdf.

MECHANICAL

Refer to 788-2024B_Drawings_Mechanical-R0.pdf:

Replace: PFD1.1 with 788-2024B_Addendum_PFD1.1-R1.pdf
Replace: PFD1.4 with 788-2024B_Addendum_PFD1.4-R1.pdf

QUESTIONS AND ANSWERS

Architectural

- Q1: Spec Section 12 24 13 Roller Window Shades says 'Provide dual cassette type where indicated on drawings'. Where are these dual cassette blinds to be located?
- A1: Refer to exterior elevations and Window Renovations Schedule on Drawing A4.4. Note #17 on the Renovations Schedule identifies window openings where single cassette blinds are to be installed and Note #18 identifies window openings where dual cassette blinds are to be installed. See also 788-2024B_Addendum_4_Drawing_A4.4-R1.pdf.
- Q2: Please confirm if jackhammering/saw-cutting of existing concrete would be considered hazardous by means of creating silica.
- A2: Cutting should be done with appropriate dust control methods such as PPE, eye protection, respirators, water for dust control, etc. Contractor is responsible for having a safe work procedure in place to protect their workers.

- Q3: Detail 2B/A0.3 identifies the floor assembly as F3b with mineral wool infill, however A0.2 Construction Types calls for closed-cell spray insulation. Please clarify.
- A3: Floor assembly F3b on A0.2 shall be revised to have R14 mineral wool infill; refer to drawing 788-2024B_Addendum_4_Drawing_A0.2-R1.pdf.

Mechanical

- Q1: Please clarify GFS-01 and GFS-02 – PFD1.1 shows GFS-01 on the Hot Water Heating System, GFS-02 on the Glycol system, and another GFS-02 on the Chilled Glycol system. Enlarged plan M3.1 only shows (1) GFS-01 and (1) GFS-02 – please confirm how many are required and on which system.
- A1: GFS numbering will be changed on PFD1.1 and re-issued through addendum, there are 2 GFS's, 1 on the GS-GR and 1 on the CHGS-CHGR, none on the HWS-HWR
- Q2: Provide a spec for what piping material / size is acceptable for the condensate drains.
- A2: Follow Spec Section 22 13 18 part 2 for drain piping, depending on the outlet size of the drain, a clear flexible tubing is acceptable for the trap loop only for visually confirming a trap seal and must be mechanically fastened to the drainage piping and to the unit.
- Q3: With respect to new refrigerant blend roll outs, what will happen at the shop drawing stage what would happen if the refrigerant changes?
- A3: The chiller has been addressed by changing the specified equipment, 23 64 14 to utilize a new refrigerant blend. The AHU we have accommodated for refrigerant leak detection and added a dissipation board within 788-2024_B_Addendum_3. The associated heat pump is currently not available with new refrigerant blend but the manufacturer recently announced they will update their product to suit new A2L refrigerants. The new A2L refrigerant will likely be in place by the time shop drawings for the cooling only heat pump shop drawings are requested. New refrigerant should be anticipated for the heat pump with no extras provided to accommodate the refrigerant change.