



# 954-2023B ADDENDUM 3

## PEMBINA TRAILS COLLEGIATE – VOCATIONAL WING

### **URGENT**

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

ISSUED: May 3, 2024  
BY: Jon Trenholm  
TELEPHONE NO. 204-942-0681

**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.**

### **FORM B: PRICES**

Replace: 954-2023B \_Form\_B\_Prices with 954-2023B\_Addendum\_3 \_Form\_B(R1)\_Prices.

The following is a summary of changes incorporated in the replacement Bid/Proposal Submission:

Form B(R1): Revise Item No. 2 inclusive.

### **DRAWINGS**

Replace: 954-2023B \_Drawing\_A0.1 with 954-2023B\_Addendum\_3-Drawing\_A0.1-R1

954-2023B \_Drawing\_A1.3 with 954-2023B\_Addendum\_3-Drawing\_A1.3-R1

954-2023B \_Drawing\_A2.1 with 954-2023B\_Addendum\_3-Drawing\_A2.1-R1

954-2023B \_Drawing\_A4.1 with 954-2023B\_Addendum\_3-Drawing\_A4.1-R1

954-2023B \_Drawing\_A4.2 with 954-2023B\_Addendum\_3-Drawing\_A4.2-R1

954-2023B \_Drawing\_S1.1 with 954-2023B\_Addendum\_3-Drawing\_S1.1-R1

954-2023B \_Drawing\_S1.2 with 954-2023B\_Addendum\_3-Drawing\_S1.2-R1

954-2023B \_Drawing\_S2.1R1 with 954-2023B\_Addendum\_3-Drawing\_S2.1-R2

954-2023B \_Drawing\_S2.2R1 with 954-2023B\_Addendum\_3-Drawing\_S2.2-R2

954-2023B \_Drawing\_S2.3R1 with 954-2023B\_Addendum\_3-Drawing\_S2.3-R2

954-2023B \_Drawing\_S2.4 with 954-2023B\_Addendum\_3-Drawing\_S2.4-R1

954-2023B \_Drawing\_S4.1 with 954-2023B\_Addendum\_3-Drawing\_S4.1-R1

954-2023B \_Drawing\_S4.2R1 with 954-2023B\_Addendum\_3-Drawing\_S4.2-R1

954-2023B \_Drawing\_S4.4 with 954-2023B\_Addendum\_3-Drawing\_S4.4-R1

954-2023B \_Drawing\_S4.5 with 954-2023B\_Addendum\_3-Drawing\_S4.5-R1

954-2023B \_Drawing\_M7.1 with 954-2023B\_Addendum-03\_M7.1-R1.  
954-2023B \_Drawing\_M7.3 with drawing 954-2023B\_Addendum\_3-Drawing\_M7.3-R1.  
954-2023B \_Drawing\_EDP2.1 with drawing 954-2023B\_Addendum\_3-Drawing\_EDP2.1-R1.  
954-2023B \_Drawing\_EP2.0 with drawing 954-2023B\_Addendum\_3-Drawing\_EP2.0-R1.  
954-2023B \_Drawing\_EP2.1-R1 with drawing 954-2023B\_Addendum\_3-Drawing\_EP2.1-R2.  
954-2023B \_Drawing\_EP2.4-R1 with drawing 954-2023B\_Addendum\_3-Drawing\_EP2.4-R2.  
954-2023B \_Drawing\_ES2.1-R2 with drawing 954-2023B\_Addendum\_3-Drawing\_ES2.1-R3.  
954-2023B \_Drawing\_E4.2-R1 with drawing 954-2023B\_Addendum\_3-Drawing\_E4.2-R2.  
954-2023B \_Drawing\_E5.0-R1 with drawing 954-2023B\_Addendum\_3-Drawing\_E5.0-R2.  
954-2023B \_Drawing\_E5.3 with drawing 954-2023B\_Addendum\_3-Drawing\_E5.3-R1.  
954-2023B \_Drawing\_E6.1-R1 with drawing 954-2023B\_Addendum\_3-Drawing\_E6.1-R2.  
954-2023B \_Drawing\_E6.2 with drawing 954-2023B\_Addendum\_3-Drawing\_E6.2-R1.  
954-2023B \_Drawing\_E6.4 with drawing 954-2023B\_Addendum\_3-Drawing\_E6.4-R1.  
954-2023B \_Drawing\_E6.7 with drawing 954-2023B\_Addendum\_3-Drawing\_E6.7-R1.  
954-2023B \_Drawing\_E6.8 with drawing 954-2023B\_Addendum\_3-Drawing\_E6.8-R1.  
954-2023B \_Drawing\_E6.14-R1 with drawing 954-2023B\_Addendum\_3-Drawing\_E6.14-R2.

Add: 954-2023B\_Addendum\_3-PTC

## **NMS SPECIFICATIONS**

### Section 01 21 00 Allowances

Add: 1.3.7 **CA10:** Vibration Monitoring During Piling.

Revise: **TOTAL \$222,000.00**

Replace Section 01 21 00 with 954-2023B\_Addendum\_3-NMS\_Section-#012100R1

### Section 04 00 00 Masonry

Revise 2.2.2.1 to read: Size: 3-5/8" wide x 2-1/4" high x 11-5/8" long (Norman).

### Section 08 11 00 Metal Doors and Frames

Delete: 1.2.1.3

2.2.2.1.3

Revise 2.2.3.16 to read: Insulate exterior frame components with expanded polystyrene or polyurethane insulation.

### Section 08 34 73 Sound Control Hollow Metal Door Assemblies

Add 954-2023B\_Addendum\_3-NMS\_Section-#083473

Section 08 06 10 Door Schedule

Replace 08 06 10 with 954-2023B\_Addendum\_3-NMS\_Section-#0806101R1

Section 08 71 01 Door Hardware Sets

Replace 954-2023B\_Addendum\_2-NMS\_Section-#087101R1 with 954-2023B\_Addendum\_3-NMS\_Section-#087101R2

Section 09 06 00 Room Finish Schedule

Replace 09 06 00 with 954-2023B\_Addendum\_3-NMS\_Section-#090600R1

Section 10 11 16 Markerboards

- Add: 2.1.1.1.1: AccessSMT Porcelain Enamel Steel Premium Whiteboard c/w 200 Series Trim.
- Add: 2.1.1.1.2: Claridge Factory Built LCS-II Porcelain Enamel Steel Markerboard complete with Series 3 Trim..
- Add: 2.1.1.1.3: CP Versaceram 2 FB Whiteboard c/w 200 Series J-Trim.
- Add: 2.1.1.1.4: Richelieu Panel Products Porcelain Enamel Whiteboard complete with System 200 and 300 Trim.

Section 10 26 13 Corner Guards

Revise 2.1.1.1.1 to read: Stainless Steel Corner Guards  
Revise: 2.2.1 to read: Stainless Steel Corner Guards 90° (CG): to ASTM A666, surface mounted, 16-gauge, Type 304 stainless steel alloy with No. 4 satin finish, 25 mm x 25 mm legs, custom length, adhesive only attached.

Delete: 2.2.2

Section 10 26 23 Rigid Vinyl Wall Protection

Add 954-2023B\_Addendum\_3-NMS\_Section-#102600

Section 11 40 10 Food Service Equipment - Catalogued

Replace 11 40 10 with 954-2023B\_Addendum\_3-NMS\_Section-#114010R1

Section 11 40 20 Food Service Equipment – Custom Fabricated

Replace 11 40 20 with 954-2023B\_Addendum\_3-NMS\_Section-#114020R1

Section 23 73 23 Air Handling Units

Delete: 2.7.4 Eliminators

Revise 2.8.3 to read: Furnish combination filter section with 50mm (2 inches) pleated MERV 8 flat pre-filter with microbial resistant coating and 300mm (12 inches) SH cartridge 95% efficient (MERV 13) final filter.

Section 23 35 13 Dust Collection

- Add: 2.1.1.3 Dust Collector Camfil
- 2.2.1.3 Blower Camfil
- 2.2.1.4 Blower New York Blower

Revise 2.5 to read:

#### Donaldson DownFlo Evolution Cartridge Dust Collector

- DownFlo Evolution model DFE 3-18 w/ top mounted explosion vent
- (1) 20" flanged collar inlet
- Intelligent drop out zone.
- (18) Triagonal Ultra Web No Liner MERV 15 cartridges, 254 square feet of media per filter
- Total filter area: 4,572sq. ft.
- 8,500 capacity @ 1.86:1 AMR.
- Pulse Jet cleaning system c/w timer and Photohelic gauge (integrated into control panel below)
- 7/10ga mild steel construction.
- 120VAC NEMA 4 solenoid enclosure w/ solenoid heaters
- Standard 48" leg package
- Single mod hopper w/ dual outlet pack w/ (2) Sealed Drum kits
- Standard Torit blue paint finish
- Compressed air consumption: 9 scfm at 90-100 PSIG at a pulse interval of 10 seconds.
- Top Mount Explosion NFPA 68 Compliant Vents c/w Weather Covers.
- Two (2) Optional Torit SDK Sealed Drum Kits to provide combustible dust hopper isolation as per NFPA.

#### Airpro Centrifugal Blower

- Arrangement 9 fan w/ pedestal mount
- Rated for 8,500cfm @ 19" WG
- Steel fan wheel
- 40hp TEFC motor, 575v/60hz/3ph, 1800rpm
- Belt drive w/ OSHA compliant guards
- Opposed blade outlet damper
- 80 dBA outlet silencer
- Vertical discharge
- Fan esp: 8.2"

#### Size 18 Vigiflap Back Draft Damper

- Vigilex ATEX non return valve.
- Adjustable point dust level sensor
- Standard red colour.
- Pred: .5bar
- Max Kst 250 bar m/s.
- 24VDC position proximity switch.
- Support Structure by Others

#### Control Panel

- CSA or equivalent approval
- Nema 12 enclosure, 575v/60hz/3ph
- VFD for 40HP motor
- 120vac control transformer.
- Integrated with Pulse Timer board and Photohelic gauge
- NRV 24vdc position switch
- Integration of IS relay for Vigiflap dust level sensor
- Shut down inputs for NRV position switch, NRV dust level sensor, spark detection, abort gate, and fire alarm
- "Okay to Run Remote Equipment" relay
- E-Stop w/ fused disconnect.

#### Hansentek AN104 Single Zone Spark Detection System

- Designed to protect a 20" duct @ 4000fpm
- NEMA 12 120VAC CSA certified control panel

- (2) Infra-Red spark detectors W/ flange mount c/w self test
- (1) Solenoid controlled spray assembly c/w strainer
- 24 Volt DC alarm horn w/ strobe
- 4.5 Amp backup batteries
- Spray assembly requires 19 US GPM at 50 PSIG.

Conquest High Speed Abort Gate

- Mild steel construction
- Square inlet and outlet flanges
- Removeable weather cowl with screen
- 10/12ga mild steel welded construction
- CSA approved 110v NEMA 4 control box with indicator lights and electromagnetic mechanism
- Powered actuator reset lever with manual reset switch
- Conquest Blue enamel paint finish.
- Support Structure By Others

Add:	2.6	Isolation Valve	
	2.6.1	Manufacturers:	
	2.6.1.1	Isolation Valve	Boss NRV
	2.7	Abort Gate	
	2.7.1	Manufacturers:	
	2.7.1.1	Abort Gate	MacDonald Steel
	2.7.1.2	Abort Gate	Clarke's

Section 22 47 00 – Plumbing Equipment

Add:	2.2.1.6	Submersible Sump Pumps	Bell & Gossett
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Section 23 21 23 – HVAC Pumps

Add:	2.5.1.5	Sidestream Filter	Axiom
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Section 23 33 00 – Duct Work Accessories

Add:	2.2.3	Manufacturers:	
	2.2.3.1	Backdraft Dampers	Ventex
	2.2.3.2	Backdraft Dampers	Continental Fan

Section 23 37 00 – Air Outlets and Inlets

Add:	2.1.1.5	Loren Cook	
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Section 23 55 10 – Indirect Fired Air Units

Add:	2.1.6	Thermotek	
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Section 23 82 00 – Terminal Heat Transfer Units

Add:	2.2.1.2	Carrier Fan Coils	Daikin,
	2.2.1.3	Jaga Fan Coils	Daikin Thinline

### **Architectural Project Manual Details**

Replace: 954-2023B\_NMS\_Figure-AP2.20 with 954-2023B\_Addendum\_3-NMS\_Figure-AP2.20-R1

954-2023B\_NMS\_Figure-AP2.23 with 954-2023B\_Addendum\_3-NMS\_Figure-AP2.23-R1

Add: 954-2023B\_Addendum\_3-NMS\_Figure-AP2.24

954-2023B\_Addendum\_3-NMS\_Figure-AP2.25

954-2023B\_Addendum\_3-NMS\_Figure-AP2.62

### **QUESTIONS AND ANSWERS**

Q1: Please advise on the expected installation date for the kitchen equipment.

A1: Fall of 2025 – though often the exhaust hoods and Walk-Ins are installed prior to flooring and / or ceiling being installed and then the vast majority of the rest of the equipment is installed at a later date once the space is at a more complete stage.

Q2: Is the intent to only sprinkle the East portion of the crawlspace?

A2: As indicated on Drawing Sheet MF2.1 – Under slab/Crawlspace West Vocational Wing - Fire Protection Plan, sprinkler protection is only required within the designated crawlspace – building area west of Gridline 9 is designated Inaccessible Void Space and therefore not occupied/not sprinklered.

Q3: Please provide construction details for the Trash Enclosure.

A3: As indicated on Drawing Sheet L1.1 - Demolition & Protection Plan, the existing garbage enclosure is to be removed and stored for relocation.

Q4: On Drawing S2.1, the pile cap elevation is not stated at the four piles between grid lines 5 & 6 North of grid line A. Can you please provide it?

A4: Elevations provided in Addendum No. 01, Drawing Sheet 954-2023B\_Addendum\_1-Drawing\_S2.1-R1.

Q5: As per Fire Protection Schematic illustrated on Drawing Sheet MF4.1 - Details - Fire Protection Plan, the header in the existing building is to be enlarged or extended. However, site conditions may not allow for that as the room has equipment that requires clearance in front of it - please advise.

A5: Schematic revised in Addendum No. 02, Drawing Sheet 954-2023B\_Addendum\_2-Drawing\_MF4.1-R1.

Q6: The Project Manual contains references to Section 11 06 00, however, there does not seem to be a Section 11 06 00. Can this be clarified / provided.

A6: The project equipment schedule resides on Drawing Sheet A10.1-R1 - Furniture and Equipment Plan. Reference to Section 11 06 00 deleted in Addendum No. 02.

Q7: On the equipment schedules it references CFP - City Furnished Products & DFP - Division Furnished Products. They also reference OFP which it doesn't clarify, I am assuming its Owner Furnished Products, in this case would that be the same as CFP/DFP as they are being used the same. Lastly -A (contractor installed) -B (vendor installed) are we using this throughout all equipment schedules?

A7: Equipment Schedules reissued in Addendum No. 02, refer also to Project Manual Section 01 64 00 - Division Furnished Product for summary of terminology.

Q8: Would mineral wool be acceptable as a substitute for fiberglass acoustical media in the dust collector walls?

A8: No, the Acoustic Barrier Panel System is a complete assembly, while mineral wool insulation is only one component within an assembly.

Q9: Would post-painting the exterior side of the acoustic barrier panels be acceptable in lieu of factory finished paint coating?

A9: No, the Acoustic Barrier Panel System is a factory finished system.

Q10: Please confirm whether the dust collector enclosure is to include acoustic barrier panel roof panels? If it does, could you please confirm whether the roof is to be flat or sloped?

A10: As indicated on Drawing Sheet A2.3 - Roof Plan, the dust collector acoustic enclosure is designed to be comprised of an acoustic panel enclosure system (wall and roof panels) complete with added roofing assembly as per Drawing Note 2.58. The enclosure roof is to be flat - coordinate height with Mechanical Equipment Clearance Requirements.

Q11: On Drawing Sheet A2.1, there is a 4S5 wall type shown at gridlines 10 and G (adjacent to door 1:106) but there is no 4S5 wall type on the partition schedule. Please advise.

A11: Interior Partition Type to be 4S6, refer to Addendum No. 03, Drawing Sheet 954-2023B\_Addendum\_3-Drawing\_A2.1-R1.

Q12: SBS Roofing spec states the polyiso is R6.0/inch. Soprema polyiso is R5.7/inch. Drawings indicate 150 mm of polyiso at the R6.0/inch. Please clarify minimum R value because 150 mm of polyiso at R5.7/inch does not achieve the R-35 minimum.

A12: Roof Assembly (150 mm insulation + Densdeck (top and bottom) exceeds R-35 minimum.

Q13: Please clarify Type 1 Roof Construction.

A13: Assembly provided in Addendum No. 03, Drawing Sheet 954-2023B\_Addendum\_2-Drawing\_A5.2-R1.

Q14: Specifications list both CG1 and CG2 corner guards, however plans show only CG1. 1220 mm long. Please confirm CG2 corner guards are required and provide locations/quantities and details.

A14: Clarification provided in Addendum No. 03.

Q15: Addendum No. 01 indicates brick size to be "3-5/8" wide x 3-5/8" high x 11-5/8" long (Norman)" but dimensions provided are a utility brick, not a Norman brick. Please advise.

A15: Clarification provided in Addendum No. 03.