

757-2008 ADDENDUM 2

CONFEDERATION BUILDING SUPPLEMENTARY HEATING UPGRADES PHASE I

URGENT

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

ISSUED: December 12, 2008
BY: P. Laitinen, P. Eng.
TELEPHONE NO. (204) 477-5381

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

Template Version: A20060821

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

PART A – BID SUBMISSION

Replace: 757-2008 Addendum 1 - Bid Submission with 757-2008 Addendum 2 - Bid Submission. The following is a summary of changes incorporated in the replacement Bid Submission:

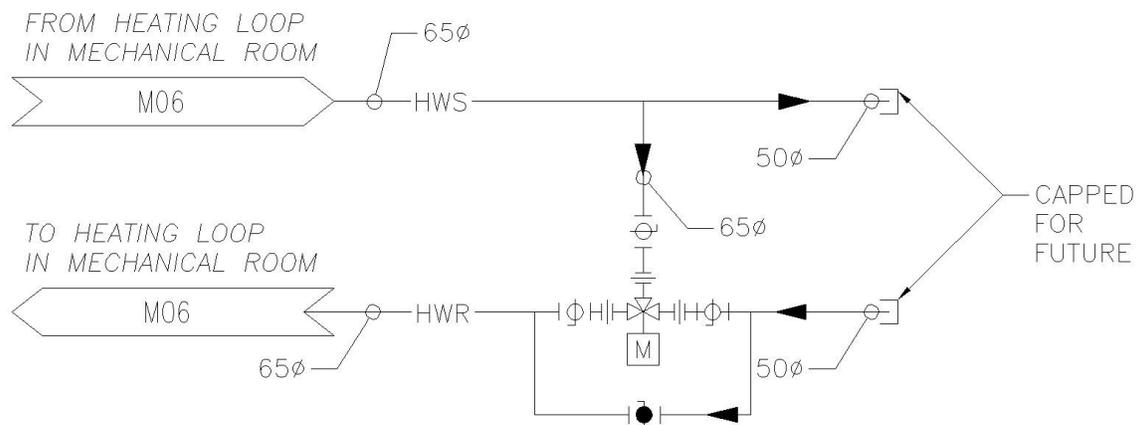
Form G2(R1): Revise expiry date on Page 2 of 2.

PART B – BIDDING PROCEDURES

Revise: B2.1 to read: The Submission Deadline is 12:00 noon Winnipeg time, January 15, 2009.

Revise: B3.2 to read: The Contract Administrator or an authorized representative will conduct a guided investigation at the Site on Thursday, December 18, 2008, starting at 2:00 p.m. The Bidder is advised that this will be the final opportunity to view areas of the building that are not open to the general public.

Clarification of B9.2(d) added by Addendum 1: Cap ends of associated piping as shown below:



Revise: B15.4(b) to read: if the lowest evaluated responsive Bid submitted by a responsible and qualified Bidder exceeds the budgetary provision for the Work, the lump sum prices of all responsive Bids submitted by responsible and qualified Bidders will be adjusted by progressively

deducting separate prices in the order listed in B9.2 until a Total Bid Price within the budgetary provision is achieved, i.e., Total Bid Price = Lump Sum Price - Separate Price No. 1 - Separate Price No. 2 - Separate Price No. 3 – Separate Price No. 4.

PART D – SUPPLEMENTAL CONDITIONS

Replace: Form I with the attached Form(s). The following is a summary of changes incorporated in the replacement forms:

Form I(R1): Added Item: Architectural - Divisions 06 to 09.

PART E – SPECIFICATIONS

Revise: E1.2 to read: The following are applicable to the Work:

<u>Specification No.</u>	<u>Specification Title</u>
	Table of Contents (R1)
01 33 00	Submittal Procedures
01 42 00	References
06 10 10	Rough Carpentry
07 59 60	Existing Roof Modification for New Work
07 84 00	Firestopping and Smoke Seals
07 92 10	Joint Sealants
08 11 14	Steel Doors and Frames
08 70 00	Finish Hardware
09 25 00	Gypsum Board
09 67 60	Epoxy Floorings
09 91 00	Finish Painting
21 13 13	Wet-Pipe Sprinkler Systems
21 24 16	Dry-Chemical Fire-Extinguishing Equipment
22 05 01	Common Work Results for Plumbing
22 05 23	Valves and Strainers
22 05 29	Hangers and Supports for Plumbing Piping and Equipment
22 06 10.13	Plumbing Pump Schedule
22 08 00	Commissioning of Plumbing
22 13 16	Sanitary Waste and Vent Piping
22 13 33	Packaged, Submersible Sewerage Pump
22 30 00	Plumbing Equipment
23 05 01	Common Work Results for Mechanical
23 05 16	Expansion Fittings and Loops for HVAC Piping
23 05 19	Meters and Gauges for HVAC Piping
23 05 29	Hangers and Supports for HVAC Piping and Equipment
23 05 93	Testing, Adjusting and Balancing for HVAC
23 06 20.13	Hydronic Pump Schedule
23 06 20.16	Circuit Balancing Valve Schedule
23 06 21.16	Plate and Frame Heat Exchanger Schedule
23 06 21.19	Tank Schedule
23 06 50.13	Condensing Boiler Schedule
23 06 80.23	Air Coil Schedule
23 07 19	HVAC Piping Insulation
23 08 00	Commissioning of Mechanical
23 08 02	Cleaning of HVAC Piping
23 09 00	Instrumentation and Control for HVAC
23 09 33 (R1)	Electric and Electronic Control Systems for HVAC
23 09 33.13	Controls Points List
23 09 93	Sequence of Operations for HVAC Controls
23 11 23	Natural Gas Piping
23 21 13	Hydronic Piping

<u>Specification No.</u>	<u>Specification Title</u>
23 21 14	Hydronic Specialties
23 21 23	Hydronic Pumps
23 31 13	Metal Ducts
23 33 13.16	Fire Dampers
23 41 13	Panel Air Filters
23 52 16.13	Condensing Boilers
23 57 19.13	Plate and Frame Heat Exchangers
23 75 23	Custom Packaged, Outdoor, Heating and Ventilating Make-Up Air Units
23 82 16	Air Coils

<u>Drawing No.</u>	<u>Drawing Name/Title</u>
M01	Mechanical Legend and Abbreviations
M02 R2	Basement 11 th Floor Mechanical Layouts
M03 R1	Main Floor Mechanical Layout and Details
M04	Second Floor Mechanical Layout and Details
M05 R2	Basement Mechanical/Electrical Room Layouts
M06	Mechanical Room Hydronic Schematic
M07 R1	Hydronic Schematic Basement & Main Floor Heating Loop Make-Up Air Pre-Heat/Cooling Loop
M08	Mechanical Details and Sections
A01	Site Plan – Life Safety Plan
A02	Basement & Main Floor – Life Safety Plan
A03	Door & Room Finish Schedule, Roof Plan & Structural Notes
E01	Symbols
E02 R1	Basement Level – Electrical Single Line
E03 R1	Basement Level – Electrical Room Layouts
E04 R0	Electrical Motor Control Center

Add: 757-2008_Addendum_2-NMS_Format_Specifications

Replace: Table of Contents in 757-2008_NMS_Format_Specifications with Table of Contents (R1) included in 757-2008_Addendum_2-NMS_Format_Specifications.

NOTE: Table of Contents (R1) was missing from 757-2008_Addendum_1-NMS_Format_Specifications.

Revise: Section 23 05 01 Clause 2.1.5.2 to read:

Air Separators, Relief Valves Armstrong, Bell & Gossett, Taco, Wheatley, Flex-Hose, Mepco

Revise: Section 23 05 01 Clause 2.1.5.6 to read:

Boilers – High Efficiency, Condensing Larrs, Viessmann, Aerco, Fulton, Gasmaster

Revise: Section 23 05 01 Clause 2.1.5.9 to read:

Coils - Heating and Cooling Trane, Aerofin, Engineered Air, Colmac, McQuay, Coil Company

Revise: Section 23 05 01 Clause 2.1.5.11 to read:

Expansion Compensators Flexonics, Tube Turn, Hyspan, Hydroflex, Metraflex, United Flexible, Mason, Flex-Hose

Revise: Section 23 05 01 Clause 2.1.5.12 to read:

Expansion Joints Flexonics, Hyspan, Hydroflex, Metraflex, United Flexible, Mason, Flex-Hose

Revise: Section 23 05 01 Clause 2.1.5.15 to read:

Flexible Connectors - Piping Flexonics, Tube Turn, Atlantic, Hyspan, Hydroflex, Metraflex, United Flexible, Mason, Flex-Hose

Revise: Section 23 05 01 Clause 2.1.5.23 to read:

Heat Exchangers - Plate Bell & Gossett, Alpha Laval, Tranter, Armstrong, APV, Mueller

Revise: Section 23 05 01 Clause 2.1.5.29 to read:

Pumps - In-Line Circulators Armstrong, B & G, Taco, Grundfos, Mepco

Revise: Section 23 05 01 Clause 2.1.5.33 to read:

Tank - Diaphragm Type Expansion Amtrol, Hamlet and Garneau Inc., B&G, Mepco

Revise: Section 23 05 01 Clause 2.1.5.36 to read:

Valves - Circuit Balancing Armstrong, B & G, Wheatley, Tour & Anderson, Griswold

Add: Section 23 05 01 Clause 2.1.5.47:

Neutralization Tanks Watts, B&G

Replace: Section 23 06 21.19 Table 4. Air Separator Schedule with:

Tag	AS-1	AS-2
Service	Water System	Glycol System
Location	Mechanical Room	Mechanical Room
Type	Tangential	Tangential
Fluid Velocity, m/s	1.2	1.2
Flow Rate, L/S (USgpm)	10 (160)	2.7 (42)
Diameter, mm (in)	305 (12)	254(10)
Height, mm (in)	622 (24.5)	584 (23)
Overall Width, mm (in)	530 (20.75)	415 (16.25)
Distance to Remove Strainer , mm (in)	420 (16.5)	356 (14)
In/Out Sizes, mm (in)	100 (4)	50 (2)
Manufacturer	Amtrol	Amtrol
Model	4-AS-L	2-AS-L

Replace: Section 23 09 33 in 757-2008_NMS_Format_Specifications with Section 23 09 33 (R1) included in 757-2008_Addendum_2-NMS_Format_Specifications.

DRAWINGS

Replace: 757-2008_Drawing_M07-R0.pdf with 757-2008_Addendum_2-Drawing_M07-R1.pdf

757-2008_Addendum_1-Drawing_M02-R1.pdf with 757-2008_Addendum_2-Drawing_M02-R2.pdf

757-2008_Addendum_1-Drawing_M05-R1.pdf with 757-2008_Addendum_2-Drawing_M05-R2.pdf

757-2008_Addendum_1-Drawing_E02-R0.pdf with 757-2008_Addendum_2-Drawing_E02-R1.pdf

757-2008_Addendum_1-Drawing_E03-R0.pdf with 757-2008_Addendum_2-Drawing_E03-R1.pdf

Add: 757-2008_Addendum_2-Drawing_E04-R0.pdf

FORM I(R1): DETAILED PRICES
 (See D11)

CONFEDERATION BUILDING SUPPLEMENTARY HEATING UPGRADES PHASE 1

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	AMOUNT
1.	Architectural	Divisions 06 to 09	Lump sum	
2.	Fire Suppression	Division 21	Lump sum	
3.	Plumbing	Division 22	Lump sum	
4.	Mechanical - excluding supply and delivery of boilers	Division 23	Lump sum	
5.	Supply and delivery of condensing boilers	Section 23 06 50.13	Lump sum	
6.	Electrical	Division 26	Lump sum	