



945-2010 ADDENDUM #2

WINNIPEG FIRE PARAMEDIC ALTERNATIVE EMERGENCY CENTRE – INTERIOR RENOVATION AT 185 KING STREET – MAIN FLOOR

URGENT

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

ISSUED: January 11, 2011
BY: Kathy Roberts
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**THIS ADDENDUM SHALL BE INCORPORATED
INTO THE BID OPPORTUNITY AND SHALL
FORM A PART OF THE CONTRACT
DOCUMENTS**

Template Version: A20070419

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 8 of Form A: Bid may render your Bid non-responsive.

PART D – SUPPLEMENTAL CONDITIONS

Delete: D20.2

Delete: D20.2.1

Page numbering on some forms may be changed as a result.

PART E – SPECIFICATIONS

Revise: E1.1 to read: The following are applicable to the Work:

<u>Drawing No.</u>	<u>Revision No.</u>	<u>Drawing Name/Title</u>
A1	R1	PARTIAL MAIN FLOOR PLAN – DEMOLITION & RENOVATION PLANS, ROOM FINISH SCHEDULE
A2	R0	PARTIAL MAIN FLOOR PLAN – REFLECTED CEILING, DEMOLITION & RENOVATION
A3	R0	PARTIAL MAIN FLOOR PLAN – FLOOR FINISH & FURNITURE PLAN
E1	R1	EXISTING LIGHTING PLAN – DEMOLITION
E2	R0	NEW LIGHTING PLAN
E3	R0	MAIN FLOOR PLAN – EXISTING POWER AND SYSTEM PLAN
E4	R1	MAIN FLOOR PLAN – NEW POWER AND SYSTEMS PLAN
E5	R2	ELECTRICAL SINGLE LINE DIAGRAM
E6	R1	ELECTRICAL SPECIFICATION
E7	R1	ELECTRICAL SPECIFICATION
M1	R2	PARTIAL MAIN FLOOR PLAN – MECHANICAL DEMOLITION
M2	R4	PARTIAL MAIN FLOOR PLAN – MECHANICAL RENOVATION
M3	R3	MECHANICAL SEPCIFICATION

Add: E1.2: *The City of Winnipeg Standard Construction Specifications* in its entirety, whether or not specifically listed on Form B: Prices, shall apply to the Work.

Add: E1.2.1 *The City of Winnipeg Standard Construction Specifications* is available on the Information Connection page at The City of Winnipeg, Corporate Finance, Materials Management Division website at <http://www.winnipeg.ca/matmgt/Spec/Default.stm>

- Add: E1.2.2 The version in effect three (3) Business Days before the Submission Deadline shall apply.
- Add: E1.2.3 Further to C2.4(d), Specifications included in the Bid Opportunity shall govern over *The City of Winnipeg Standard Construction Specifications*.
- Add: E1.4 Execute Work in accordance with the latest editions and supplements of the applicable regulations and standards listed below and as stated in the specifications:
- (a) Manitoba Building Code
 - (b) Manitoba Fire Code
 - (c) Canadian Electrical Code
 - (d) Canadian Standards Association
 - (e) Manitoba Workplace Safety and Health Act
 - (f) Federal, Provincial and Municipal government laws, rules, ordinances and codes, where applicable.
- Add: E1.5 Where specified standards are not dated, conform to the latest issue of specified standard, amended and revised as of the date for receipt of bids.
- Add: E1.6 Work shall meet or exceed requirements of specified standards, codes and referenced documents. Even if permitted by preceding regulations and standards, grade of Work shall in no case be lower than specified in project specifications.
- Add: E1.7 Contractor shall examine all plans and specifications. Any discrepancy noted in the drawings and/or specifications and/or actual site conditions shall be identified to the Contract Administrator prior to close of bidding, in as timely a fashion as possible.
- Add: E1.8 Plans do not indicate all construction details. Any installation involving accurate measurements of the building shall be co-ordinated with construction plans and/or actual on site measurements.

Add:

E3. MATERIAL AND EQUIPMENT

- E3.1 Contractor shall be responsible for all transportation, handling, protection, storage and disposal of materials and equipment.

E4. MATERIAL SAFETY DATA SHEETS

- E4.1 Comply with requirements of Workplace Hazardous Materials Information System (WHMIS) regarding use, handling, storage and disposal of hazardous materials and regarding labelling and provision of material safety data sheets acceptable to Labour Canada.
- E4.2 Contractor shall provide the Contract Administrator with one (1) copy of Material Safety Data Sheets (MSDS's) for all products to used in the performance of the Work at least two (2) Business Days prior to bringing such materials to Site.
- E4.3 Throughout the term of the Contract, the Contractor shall provide the Contract Administrator with revisions or updates of the MSDS's as soon as may be reasonably possible.

E5. SHOP DRAWINGS

- E5.1 Within two (2) weeks after award of Contract, submit shop drawings for review by Contract Administrator.
- E5.2 Include equipment supplier, manufacturer, trade name and model number. Also include sufficient technical data to check that equipment meets requirements of drawings and specifications, including details of construction, dimensions, capacities, weights, electrical performance characteristics of

equipment or material. Where applicable, include wiring, single line and schematic diagrams. Include diagrams or plans, showing interconnection with other sections.

- E5.3 Include dimensional data for roughing in and installation, technical data sufficient to check that equipment meets requirements of drawings and specifications. Include wiring, piping and service connection data, and motor sizes complete with voltage ratings and schedules.
- E5.4 Contractor shall be responsible for securing and verifying field dimensions. In cases where fabrication must proceed prior to field dimensions being available, check all shop drawings and approve for dimensions only. In this case, guarantee that dimensions will be worked to, and ensure that other trades are aware of these dimensions and shall comply to them.
- E5.5 Maintenance and operating manuals are not suitable submittal.
- E5.6 Review by Contract Administrator shall be mutually understood to refer to general design only. If errors in detailed dimensions or interference with Work are noticed, attention of Contractor will be called to such errors or interferences, but Contract Administrator's review of drawings will not in any way relieve Contract from responsibility for said errors or interferences or from necessity of furnishing such Work and materials as may be required for completion of the Work.

E6. QUALITY OF WORK

- E6.1 Ensure Quality of Work is of highest standard, executed by workers experienced and skilled in respective duties for which they are employed. Immediately notify Contract Administrator if required Work is such as to make it impractical to produce required results.
- E6.2 Do not employ anyone unskilled in his or her required duties. Contract Administrator reserves right to require dismissal from site, workers deemed incompetent or careless.
- E6.3 Decisions as to standard or fitness of Quality of Work in cases of dispute rest solely with Contract Administrator, whose decision is final.

E7. USE OF SITE AND PREMISES

- E7.1 Contractor shall allow for continued access to the building and office throughout the construction period and shall ensure that both the building and office's entering and exiting is maintained to the approval of the Local Authorities having Jurisdiction, local by-laws, and Work Place Safety and Health Policies. This will also be applicable to street accesses.
- E7.2 No Work shall occur outside designated Work areas during normal working hours when the office is open..
- E7.3 Construction personnel must use only designated entrances for access to Work areas, delivery of materials and/or equipment and removal of construction debris.
- E7.4 Restrict equipment, Work, workers and storage of construction materials, tools, equipment, etc. to designated areas and established routes to and from Work areas. Confirm designated areas and routes with Contract Administrator.
- E7.5 Any deliveries or movement that must occur through the main reception area shall be scheduled and arranged with the Contract Administrator prior to commencement of such delivery or activity, and the Contractor shall submit a Safety Access Plan.
- E7.6 Keep all fire lanes, egress, and access routes clear at all times.

E8. SITE SAFETY AND TRAFFIC CONTROL

- E8.1 Contractor shall observe and enforce all construction safety measures required by the Manitoba Building Code, Worker's Compensation Board, Municipal Statute or By-Laws. In the event of a conflict between any provisions of the above authorities, the most restrictive provision shall apply.

- E8.2 All Work performed shall meet Workplace Safety and Health Act standards. Contractor shall ensure that all workers follow safe working practises, including but not limited to CSA Z462-08 and NFPA 70E.
- E8.3 Contractor shall be responsible for taking steps to protect building staff and the public from any hazards related o the Work.
- E8.4 Contractor shall maintain traffic flow around the building. Contractor's operations shall in no way interfere with the safe movement of vehicle and pedestrian traffic.

E9. HOUSEKEEPING

- E9.1 All interior areas, sidewalks, streets, approaches, driveways and properties near the Work Site shall be kept clean of debris and materials related to the Work at all times by the Contractor.
- E9.2 Contractor shall take care to ensure that surrounding surfaces in the Work area are not damaged by tools or materials. Contractor shall be responsible to replace and/or make repairs to the Contract Administrator's satisfaction any surface and/or equipment damaged during the Work.
- E9.3 Contractor shall maintain a clean and safe Work area.
- E9.4 Total Performance of the Work shall not be attained until the Contractor has cleaned up the Site and has removed all plant and surplus products, tools, construction materials and equipment. The Contractor shall also have removed waste products and debris.

E10. PANELBOARD DIRECTORIES

- E10.1 Division 16 Contractor shall provide a typewritten panelboard directory for each panel where Work has been done.
- E10.2 Where there is an existing panelboard directory, the new directory shall be placed in front of the existing one.

E11. AS-BUILT DRAWINGS

- E11.1 To satisfy Total Performance, Contractor will create and provide 1 AutoCAD drawing file on CD, and three (3) full-size hard copy prints of the AutoCAD file. Hard copy drawings must be marked "As-Built", and must be signed and dated by Contractor to signify their accuracy.

E12. OPERATING AND MAINTENANCE MANUALS

- E12.1 To satisfy Total Performance, Contractor shall provide three (3) of Operating and Maintenance Manuals in binders, as follows:
- (a) Organize data into 2" D-ring vinyl hard covered binders
 - (b) Cover: Identify each binder (typed or printed) with: date, Bid Opportunity number, title of the Project, and Project address
 - (c) Arrange content by tabbed systems identified in a Table of Contents.
 - (d) Table of Contents
 - (i) List full names, addresses and telephone numbers of applicable sub-trades and suppliers, including local source of supplies and replacement parts.
 - (ii) Occupancy Permit and Inspection Certificates from the Authority Having Jurisdiction.
 - (iii) Warranties under separate tabs
 - ◆ List subcontractor, supplier, and manufacturer, with name, address and telephone number of responsible principal.
 - ◆ Per D20 of the Bid Opportunity, the warranty period shall begin on the date of Total Performance.
 - (iv) Product and System Information: (also see E13)

- ◆ For each item of equipment and each system: include model number and description of unit or system, and component parts. Give function, normal operation characteristics, and limiting conditions. Include performance curves, with engineering data and tests, and complete nomenclature and commercial number of replaceable parts.
- ◆ Panel board circuit directories: provide electrical service characteristics, controls, and communications.
- ◆ Include installed colour coded wiring diagrams.
- ◆ Operating Procedures: Include start-up, break-in, and routine normal operating instructions and sequences. Include regulation, control stopping, shut-down and emergency instruction. Include summer, winter, and any special operating instructions.
- ◆ Maintenance Requirements: include routine procedures and guide for trouble-shooting disassembly, repair, and reassembly instructions; and alignment, adjusting, balancing, and checking instructions.
- ◆ Provide servicing and lubrication schedule, and list of lubricants required.
- ◆ Include manufacturer's printed operation and maintenance instructions.
- ◆ Include sequence of operation by controls manufacturer.
- ◆ Provide original manufacturer's parts list, illustrations, assembly drawings, and diagrams required for maintenance.
- ◆ Provide installed control diagrams by controls manufacturer.
- ◆ Provide Contractor's coordination drawings, with installed colour coded piping diagrams.
- ◆ Provide charts of valve tag numbers, with location and function of each valve, keyed to flow and control diagrams.
- ◆ Provide list of original manufacturer's spare parts, current prices, and recommended quantities to be maintained in storage.
- ◆ Include test and balancing reports.
- ◆

(v) **Materials and Finishes**

- ◆ Building Products, Applied Materials, and Finishes: include product data, with catalogue number, size, composition, and colour and texture designations. Provide information for re-ordering products.
- ◆ Instructions for cleaning agents and methods, precautions against detrimental agents and methods, and recommended schedule for cleaning and maintenance.
- ◆ Moisture-protection and Weather-exposed Products: include manufacturer's recommendations for cleaning agents and methods, precautions against detrimental agents and methods, and recommended schedule for cleaning and maintenance.

(e) Verify that documents are in proper form, contain full information, and are notarized where applicable.

E13. TRAINING

E13.1 Contractor shall provide a minimum of 8 hours of instruction in operation and maintenance of all equipment and systems, to the satisfaction of the Contract Administrator. Training shall occur after Substantial Completion, when systems are properly working, and before final payment is made. Training instruction shall be given using the Operating and Maintenance Manuals (see E12).

E13.2 Training instructions shall include:

- (a) General description of each system.
- (b) Step by step procedure to follow in putting each piece of equipment into operation, as well as seasonal and/or maintenance shutdown.
- (c) Provide schematic control diagrams for each separate system. Each diagram shall show locations of start-stop switches, sensors, thermostats, gauges and valves. Mark correct operating settings for each control instrument on these diagrams.

- (d) Provide diagram for electrical control system showing wiring of related electrical control items such as firestats, fuses, interlocked switches and relays.
- (e) Provide a drawing of each temperature control panel identifying components on the panels and their function.

E13.3 Maintenance instructions shall include:

- (a) Manufacturer's maintenance instruction for each piece of equipment installed in the Project. Instructions shall include name of vendors, installation instructions, part numbers and lists, operation of equipment, maintenance and lubrication, instruction and safety device setting within acceptable operating ranges.

DRAWINGS

Replace: 945-2010_Drawing_A1-R0 with 945-2010_Addendum_2_Drawing_A1-R1

Replace: 945-2010_Drawing_M2-R2 with 945-2010_Addendum_2_Drawing_M2-R4

Replace: 945-2010_Drawing_M3-R2 with 945-2010_Addendum_2_Drawing_M3-R3

Replace: 945-2010_Drawing_E1-R0 with 945-2010_Addendum_2_Drawing_E1-R1

Replace: 945-2010_Drawing_E4-R0 with 945-2010_Addendum_2_Drawing_E4-R1

Replace: 945-2010_Drawing_E5-R0 with 945-2010_Addendum_2_Drawing_E5-R2

Replace: 945-2010_Drawing_E6-R0 with 945-2010_Addendum_2_Drawing_E6-R1

Replace: 945-2010_Drawing_E7-R0 with 945-2010_Addendum_2_Drawing_E7-R1