Winnipeg

Corporate Finance Department
Materials Management Division

1021-2017 ADDENDUM #4

OVERHEAD DOOR REPLACEMENT – 960 THOMAS AVENUE

ISSUED: December 11, 2017
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URGENT

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

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

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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 E – SPECIFICATIONS

Replace: E6. In its entirety to read:

E6. APPROVED PRODUCT – MAIN AREA DOORS

E6.1 **Standards of Acceptance**:

(a) Steel-Craft Therm-O-Dor TD-134, or equivalent in accordance with B7.

(b) Garaga G-2023, or equivalent in accordance with B7.

(c) Actual sizes to be verified by the Contractor. Approximate Sizes:

(i) 6600 mm wide x 4800 mm high; and

(ii) 4800 mm wide x 4800 mm high.

E6.2 Contractor may re-use the following existing components: tracks, bottom fixture and shaft, bottom safety edge, guides, torsion shaft, bearings and bearing plates. Re-connect existing operator and safety devices.

E6.3 **Extended Warranties** – Door assemblies to come complete with the following minimum extended warranties:

(a) 10-year warranty against structural failure of the door sections due to delaminating of polyurethane foam insulation from the steel skin of the door panel.

(b) 10-year warranty on sealed glass units against seal failure, interpane dusting or misting, and replacement of same.

(c) 7-year warranty against rust due to paint cracking, checking or peeling.

(d) 5-year warranty on window frames against cracking or major discoloration.

E6.4 **Windload** - Doors shall be designed to meet minimum 2kPa wind load.

E6.5 **Door Sections**

(a) Doors shall be designed to withstand minimum 100,000 cycles per annum.

(b) Roll formed, hot-dipped galvanized steel to meet ASTM A1008/A1008M CS Z001, with minimum G40 zinc coating.

(c) Baked-on paint finish, minimum 2 layers of polyester paint, colour: white.

(d) Interior face: minimum 26 ga. steel, exterior face: minimum 20 ga. steel.

(e) Sections shall have a mechanical interlock feature which provides a positive mechanical lock between the exterior and interior skins, and which also acts as a thermal break.

(f) Reinforcement plates shall be installed inside the sections, to enable solid attachment of hinges and struts. Minimum 14 ga. steel.

(g) Skins shall have ship-lap joints with continuous joint seal for weathertight fit, and shall be ribbed for added strength.

(h) Double end caps, minimum 16 ga. hot-dipped galvanized steel.

(i) Each section shall have a solid core of CFC-free polyurethane, to give a minimum thermal resistance factor of R-16.

E6.6 **Hardware and Reinforcing** – Galvanized hardware shall include:

(a) Heavy duty double end hinges, minimum 11 ga. steel.

(b) 3" long-stem roller with 10 floating ball bearings in hardened steel races.

(c) Heavy duty double top fixtures.

(d) Reinforcement bridging to prevent door section deflection between warm and cold section faces.

(e) Reinforcing struts installed on each door section, minimum 3", 22 ga. steel, to be bolted together with hinges.

E6.7 **Springs**

(a) Heavy duty oil-tempered torsion springs, minimum 100,000 cycles.

(b) Cable drums and spring fittings to be die-cast high-strength aluminum.

(c) Galvanized aircraft quality steel cable shall provide minimum 7:1 safety factor.

E6.8 **Weatherstripping**

(a) Bottom – re-install existing safety edge

(b) Top – 3" flexible vinyl top flap at exterior and interior

(c) Sides – steel/vinyl weatherstripping

E6.9 **Glazing**

(a) One section per door to have sealed glass window units, at approximately eye-level:
  (i) 6600 mm x 4800 mm doors to have 4 window units per door; and
  (ii) 4800 mm x 4800 mm doors to have 3 window units per door.

(b) Sealed glass units to conform to CAN/CGSB-12.8.

(c) 25mm overall thickness, with outer and inner panes of 6mm clear tempered glass. Thermal air space between panes. Argon filled with low E coating.

(d) Approximate size: 21" x 13" (533 mm x 330 mm).

Replace: E7. In its entirety to read:

E7. APPROVED PRODUCT – WASH BAY DOORS

E7.1 **Standards of Acceptance**:

(a) Steel-Craft Therm-O-Dor TD-134, or equivalent in accordance with B7.

(b) Garaga G-2023, or equivalent in accordance with B7.

(c) Actual sizes to be verified by the Contractor. Approximate Sizes:

(i) 4800 mm wide x 4800 mm high; and

(ii) 3600 mm wide x 4800 mm high.

E7.2 Contractor may re-use the following existing components: tracks, bottom fixture and shaft, bottom safety edge, guides, torsion shaft, bearings and bearing plates. Re-connect existing operator and safety devices.

E7.3 **Extended Warranties** – Door assemblies to come complete with the following minimum extended warranties:

(a) 10-year warranty against structural failure of the door sections due to delaminating of polyurethane foam insulation from the steel skin of the door panel.

(b) 10-year warranty on sealed glass units against seal failure, interpane dusting or misting, and replacement of same.

(c) 7-year warranty against rust due to paint cracking, checking or peeling.

(d) 5-year warranty on window frames against cracking or major discoloration.

E7.4 **Windload** - Doors shall be designed to meet minimum 2kPa wind load.

E7.5 **Door Sections**

(a) Doors shall be designed to withstand minimum 100,000 cycles per annum.

(b) Roll formed, hot-dipped galvanized steel to meet ASTM A1008/A1008M CS Z001, with minimum G40 zinc coating.

(c) Baked-on paint finish, minimum 2 layers of polyester paint, colour: white.

(d) Interior face: minimum 26 ga. steel, exterior face: minimum 20 ga. steel.

(e) Sections shall have a mechanical interlock feature which provides a positive mechanical lock between the exterior and interior skins, and which also acts as a thermal break.

(f) Reinforcement plates shall be installed inside the sections, to enable solid attachment of hinges and struts. Minimum 14 ga. steel.

(g) Skins shall have ship-lap joints with continuous joint seal for weathertight fit, and shall be ribbed for added strength.

(h) Double end caps, minimum 16 ga. stainless steel.

(i) Each section shall have a solid core of CFC-free polyurethane, to give a minimum thermal resistance factor of R-16.

E7.6 **Hardware and Reinforcing** – 304L stainless steel hardware shall include:

(a) Heavy duty double end hinges, minimum 11 ga. steel.

(b) 3” long-stem nylon roller with stainless steel shaft, with 10 floating ball bearings in hardened steel races.

(c) Heavy duty double top fixtures.

(d) Reinforcement bridging to prevent door section deflection between warm and cold section faces.

(e) Reinforcing struts installed on each door section, minimum 3”, 22 ga. stainless steel, to be bolted together with hinges.

E7.7 **Springs**

(a) Heavy duty stainless steel oil-tempered torsion springs, minimum 100,000 cycles.

(b) Corrosion resistant cable drums and spring fittings to be die-cast high-strength aluminum.

(c) Stainless steel aircraft quality steel cable shall provide minimum 7:1 safety factor.

E7.8 **Weatherstripping**

(a) Bottom – re-install existing safety edge

(b) Top – 3” flexible vinyl top flap at exterior and interior

(c) Sides – steel/vinyl weatherstripping

E7.9 **Glazing**

(a) One section per door to have sealed glass window units, at approximately eye-level:

(i) 4800 mm x 4800 mm doors to have 3 window units per door; and

(ii) 3600 mm x 4800 mm doors to have 3 window units per door.

(b) Sealed glass units to conform to CAN/CGSB-12.8.

(c) 25mm overall thickness, with outer and inner panes of 6mm clear tempered glass. Thermal air space between panes. Argon filled with low E coating.

(d) Approximate size: 21” x 13” (533 mm x 330 mm).