ADDENDUM NO. 3

JLR No. 27672-000.1

# ADDENDUM NO. 3

August 23, 2018

## MAISON DE LA FRANCOPHONIE D'OTTAWA 2720 Richmond Road, Ottawa, Ontario

The following is provided to bidders as additional information and/or clarification and/or in response to questions.

This Addendum forms part of the Contract Documents and amends the original Specifications and Drawings. Ensure that all affected parties are aware of the items noted and include any and all cost impacts in the Tender submission.

## **GENERAL**

<u>A3.1</u> "Sequence 1" to be revised to include the Clinic space shown to the north of the Daycare Facility as indicated on drawing A90. This Clinic space is <u>NOT</u> to be included in the Separate Price as requested in the specifications. The area indicated between Grid Lines R & U, and Grid Lines 16 & 17, which incorporate rooms 'Waiting Area' 125, 'Office' 126, 'WC' 127, and 'Office' 128 are to be included as part of the base tender price. The exterior elevation shown on detail E5/A42 is applicable for the South Elevation of the clinic area.

## **SPECIFICATIONS**

- A3.2 ADD SECTION 07 46 13 – PREFORMED METAL SIDING
- A3.3 ADD SECTION 09 80 00 – ACOUSTIC TRETMENT

## DRAWINGS

<u>A3.4</u> <u>A71 – ENLARGED FLOOR PLANS</u> - 5/A71 – Enlarged Washroom Floor plan Remove TPD and replace with PTD, as indicated on interior elevation. Remove PTD and replace with HD, as indicated on interior elevation.

# A3.5 A87 – DOOR SCHEDULE

D140a frame to read as "F07"

## **QUESTIONS / ANSWERS**

A3.6 Q: The Specifications contain a Designated Substance Report prepared by EHS Partners Limited dated October 2017 (30 pages). Is this report in addition to, or a replacement of the Designated Substance Report by Golder Associates?

**A:** The Designated Substance Report prepared by EHS Partners Limited dated October 2017 was prepared for the annex building only, and is to be used in addition to the Golder Report which incorporated the existing Grant School.

A3.7 Q: In section 01 11 00, item 1.2.2 mentions obtain substantial completion on or before time indicated on bid supplementary Form, Statement "A" Duration, there is no Bid supplementary form or Statement "A" Duration provided.

A: Ignore line item 1.2.2. . Refer to 00 20 00 Instruction to Bidders 1.4 for conclusion date.

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<u>A3.8</u> Q: There is a section 04 03 07 Historic Masonry Repointing and repair, but there is no indication on the drawing to quantify this work.

**A:** Refer to drawing DA41 and site photo indicating area of work. All other historic masonry repointing and repairs are as required by exterior work and as per 1.1.2.; under scope of work.

**A3.9 Q:** On drawing A03 the interior wall composition P7 shows 1" acoustic panels (Tectum). Please provide a specification.

A: Refer to attached specification section 09 80 00 Acoustic Treatment.

**A3.10 Q:** On drawing A03 the interior wall composition P7 show Horizontal Acoustic Pre-finished Cladding. Please provide a specification.

A: Refer to attached specification section 07 46 13 Preformed Metal Siding.

A3.11 Q: On drawing A63 detail W10/A63 there is a note Steel guide for drawer, but no detail are shown, could you provide detail for this.

A: Refer to drawing A30.

- A3.12 Q: On drawing A63 detail W10/A63 under the stage, shows a front panel but no detail and specification are shown. Please clarify.
  - A: Drawer fronts to be constructed with (2) 3/4" thick plywood c/w varnished birch veneer and varnished 1" maple hardwood perimeter.

- Drawer box (bottom, side and back) to be constructed with 3/4" thick plywood c/w varnished birch

- veneer. Underside of drawer to receive center guide, to suite steel angles fasten to floor.
- Provide (1) lock per drawer, as per specifications.

- Provide (8) fixed industrial casters per drawer. (Industrial Black General Duty Polypropylene Caster by Richelieu or approved equal)

A3.13 Q: On L-1 there is some fencing shown for the daycare play area and the mechanical equipment at the stair at existing building. Please provide details and specification.

**A:** Please follow as per attached documents OPSD 972.102, OPSD 972.130 & OPSD 972.132 for Chain-link fencing around play area and mechanical equipment.

**<u>A3.14</u> Q:** On the drawing A40 and A42 show new pre-finished metal gutter and downspout. Please provide specification.

A: New gutter and downspout color and size to match existing site condition.

A3.15 Q: On the drawing A40 and A42, the north and south elevation show gutter and downspout, but the west and east elevation has no indication of gutter and downspout. Please clarify if they are required on the west and east elevation and indicate the location of the downspout.

**A:** New gutter and downspout are required on all elevations. Downspout location to be coordinated on site during construction.

A3.16 Q: On drawing A62 detail W7/A62 show a spandrel panel, Where on the drawing A40 "M3 Limestone band. Please clarify.

A: Refer to attached detail for clarity, SKA69-1.

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A3.17 Q: On drawing A62 detail W7/A62 if a limestone band is required in the curtain wall. Please provide a detail for the support of this limestone band and thickness.

A: Refer to attached detail for clarity, SKA69-1.

A3.18 Q: On drawing A65 at the foundation wall. Any requirement for any waterproofing and or insulation.

A: Waterproofing to be applied on all basement walls as indicated on drawing A10.

**<u>A3.19</u> Q:** On the drawing A40 and A42, there is C1 shown on the elevations as pre-finished metal cladding "Charcoal" color. Please provide specification.

A: Refer to attached specification section 07 46 13 Preformed Metal Siding.

A3.20 Q: On the drawings A88, there is some window frame SC1, SC2 &SC3. Please specify material for the frames.

A: Interior window frames SC1, SC2 & SC3 to be anodized aluminum.

**<u>A3.21</u> Q** : The window frame SC1 on A88, Please provide locations on plans.

**A** : Refer to Room 126 on drawing A90.

A3.22 Q: The following washrooms do not show paper towel dispensers or hand dryers 117, 118, 119, 143b,143c

A : Include paper towel dispenser (PTD) for all washrooms indicated above and also room 127.

- A3.23 Q: Waste receptacles, corner guards and sharps disposal are not indicated on plans.
  - A: -Waste receptacles are indicated on drawings as PTD.
    -Corner guards to be included on every exterior corner and door jambs within the corridor side.
    -Sharp disposal within room 128 "Office"
- A3.24 Q: The legend shows TB-1 as 48"x9", please confirm this is the correct size.
  - **A** : TB-1 to read 48" X 96".

End of Addendum No.3







## PART 1 - GENERAL

## 1.1 REFERENCES

- .1 American Society of Mechanical Engineers (ASME): .1 ANSI/ASME B18.6.3-2013, Machine Screws, Tapping Screws, and Metallic Drive Screws.
- .2 American Society for Testing and Materials International, (ASTM):
  - .1 ASTM D2369-10e1, Standard Test Method for Volatile Content of Coatings.
  - .2 ASTM D 2832-92(2011), Guide for Determining Volatile and Nonvolatile Content of Paint and Related Coatings.
  - .3 ASTM D 5116-10, Guide for Small-Scale Environmental Chamber Determinations of Organic Emissions from Indoor Materials/Products.
- .3 Canadian General Standards Board (CGSB):
  - .1 CAN/CGSB-51.32-M77, Sheathing, Membrane, Breather Type.
  - .2 CAN/CGSB-93.2-M91, Prefinished Aluminum Siding, Soffits and Fascia, for Residential Use.
  - .3 CAN/CGSB-93.3-M91, Prefinished Galvanized and Aluminum-Zinc Alloy Steel Sheet for Residential Use.
  - .4 CAN/CGSB-93.4-92, Galvanized and Aluminum-Zinc Alloy Coated Steel Siding Soffits and Fascia, Prefinished, Residential.
  - .5 CGSB 93.5-92, Installation of Metal Residential Siding, Soffits and Fascia.
- .4 Canadian Standards Association (CSA International):
  - .1 CSA B111-1974(R2003), Wire Nails, Spikes and Staples.
- .5 Underwriters' Laboratories of Canada (ULC):
  - .1 CAN/ULC-S706-09, Wood Fibre Thermal Insulation for Buildings.

# 1.2 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Submit in accordance with Section 01 33 00 Submittal Procedures.
- .2 Product Data:
  - .1 Submit manufacturer's instructions, printed product literature and data sheets for metal siding and include product characteristics, performance criteria, physical size, finish and limitations.
- .3 Shop Drawings:
  - .1 Indicate dimensions, profiles, attachment methods, schedule of wall elevations, trim and closure pieces, and related work.
- .4 Samples:
  - .1 Submit duplicate 300 x 300 mm / 12" x 12" samples of siding material, of colour and profile specified.

# 1.3 DELIVERY, STORAGE AND HANDLING

- .1 Deliver, store and handle materials in accordance with Section 01 61 00 Common Product Requirements and with manufacturer's written instructions.
- .2 Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled with manufacturer's name and address.
- .3 Storage and Handling Requirements:
  - .1 Store materials off ground, in dry location and in accordance with manufacturer's recommendations in clean, dry, well-ventilated area.
  - .2 Store and protect metal siding from nicks, scratches, and blemishes.
  - .3 Replace defective or damaged materials with new.

# 1.4 WARRANTY

- .1 Provide a five (5) year manufacturer's warranty complete with lawsuit liability insurance against snow and ice retention system failure, commencing from the date of Substantial Performance. Warranty to include:
  - .1 Design, defects in materials and workmanship.
  - .2 At no cost to Owner, full replacement including substrate, damaged metal roof system resulting from failure of snow and ice retention system, stops, trims, paint, caulking, sealants, and other snow and ice retention system components.

# PART 2 - PRODUCTS

## 2.1 METAL WALLCLADDING COMPONENTS

- .1 Horizontal Steel Sub-Girts:
  - .1 Minimum 1.21 mm / 18 ga. thick formed galvanized steel, ASTM A653M Grade 230 with Z275 zinc coating. Full depth of wall system, factory notched and formed to match liner.
- .2 Prefinished Metal Cladding: Prefinished, as follows:
  - .1 Type C1 (Refer to elevations drawings for locations of cladding types):
    - .1 Performed interlocking joints, fastener holes predrilled, horizontal metal cladding, fabricated from ASTM A653M structural quality Grade 230 galvanized steel, with zinc coating of Z275 galvanized, as designated by ASTM A653M having a nominal core thickness 0.46 mm / 26 ga., as follows:
    - .2 Acceptable product:
      - .1 '7/8" Corrugated' as manufactured by Vicwest or, by Agway Metals Inc., or approved alternate.
    - .3 Acceptable finish: 'WeatherXL' by Vicwest, or approved equivalent by Agway, or approved alternate.
    - .4 Colour: 56072 Charcoal or approved equivalent by Agway, or approved alternate.
- .3 Acoustical Wall Sheet (gymnasium):
  - .1 Symmetrical 935mm / 37" wide wall sheet with equally spaced 40mm / 1 9/16" deep rips,
  - .2 Gauge thickness: 26 gauge,
  - .3 Panel to be perforated acoustic sides for sound transmission,

- .4 Product: CL7040 Perforated or approved equal by acceptable manufacturers,
- .5 Colour: 56076 White or approved equivalent.
- .6 Acceptable manufacturer: Vicwest Corp., Ideal Roofing Compancy Ltd., Canam Group Inc., Or approved alternate.

### 2.2 METAL FRAMING

- .1 Sub-girt Framing System: structural quality steel with Z275 zinc coating to ASTM A653/A653M, capable of accepting exterior sheet, with structural attachment to building frame, minimum base metal thickness and spacing as required for a complete system to withstand required wind loading / uplift:
  - .1 Vertical clip angles: 75 mm / 3" wide clip angle x 100 mm / 4" long (substrate leg) x 75 mm / 3" deep (25 mm / 1" less than insulation thickness), minimum 1.2 mm / 18 ga. thick, galvanized zinc-coated steel to ASTM A653 with Grade A coating Z275, adjustable to plumb structure.
    - .1 Spacing: as required by manufacturer and shop drawing engineer.
    - .2 Provide thermal tape on building substrate side of clip angle leg and on horizontal side of leg to accept continuous horizontal z-girt.
  - .2 Continuous Vertical Z-girts: 50 mm / 2" wide, minimum 1.2 m / 18 ga. thick, galvanized zinccoated steel to ASTM A653 with Grade A coating Z275.
- .2 Locations and spacing for framing system members as determined by shop drawing structural engineer, to align with modular panel fasteners spaced based on manufacturer's panel load data.

## 2.3 ACCESSORIES

- .1 Exposed trim: inside corners, outside corners, cap strip, drip cap, undersill trim, starter strip and window/door trim of same material, colour and gloss as cladding, with fastener holes pre-punched.
  - .1 In addition to manufacturer's standard, provide custom shapes to suit profiles as indicated.
- .2 Non-exposed accessories: galvanized sheet metal.
- .3 Thermal Tape: low to medium pressure gasket from neoprene rubber and cork blend with a highstrength acrylic adhesive on one side, protected by siliconized liner, with anti-skid properties, 38 mm / 1 1/2" x length to suit.

#### 2.4 METAL FLASHINGS

.1 Metal Flashings: Refer to Section 07 62 00 – Sheet Metal Flashing and Trim.

#### 2.5 FASTENERS

.1 Screws: ANSI B18.6.4. Purpose made, self-drilling fasteners #12-14 complete with galvanized heads and neoprene washers, colour to match cladding.

### 3.1 MANUFACTURER'S INSTRUCTIONS

.1 Compliance: comply with manufacturer's written data, including product technical bulletins, product catalogue installation instructions, product carton installation instructions, and data sheets.

### 3.2 EXAMINATION

- .1 Verification of Conditions: verify that conditions of substrate previously installed under other Sections or Contracts are acceptable in accordance with manufacturer's written instructions.
- .2 Examine exterior cladding sheets to be installed. Cull out and remove from site all damaged or marred surfaces and sheets with exposed cut raw edges.
- .3 Proceed with installation only after unacceptable conditions have been remedied.

### 3.3 FLASHINGS

.1 Install continuous starter flashings, drips and other flashings as indicated.

### 3.4 SUB-GIRT FRAMING SYSTEM

- .1 Install metal sub-girt framing system level, plumb and tight to substrate over air/vapour barrier transition membrane as follows, using approved fasteners:
  - .1 Install cleats (clip angles) over substrate and air / vapour barrier transition membrane as indicated to accommodate adjustability of second layer of continuous metal angle.
  - .2 Mechanically fasten front section of continuous angle to clip angles to form an adjustable z-girt system. Install and adjust to ensure finished siding is plumb and level and fully supported.
- .2 Apply sprayed-in-place insulation over substrate and air / vapour barrier transition membrane in accordance with Section 07 21 29 Sprayed Insulation Polyurethane Foam.

#### 3.5 INSTALLATION

- .1 Install cladding in accordance with CGSB 93.5, and manufacturer's written instructions
- .2 Install continuous starter strips, inside and outside corners, edgings, soffit, drip, cap, sill and window/door opening flashings as indicated.
- .3 Install outside corners, fillers and closure strips with carefully formed and profiled work.
- .4 Install exterior finish cladding to continuous subgirt with coloured fasteners to match exterior finish.
- .5 Provide both notched and formed top neoprene and prefinished metal closures, sealed to arrest direct weather penetration at vertical profiles for exterior cladding.
- .6 Install preformed metal cladding system using 'rain screen principals to drain out moisture penetration and to ensure continuity of "pressure equalization".
- .7 Provide U-bars, alignment bars, brackets, clips, inserts, shims as required to securely and

permanently fasten exterior cladding to building structure.

- .8 Install soffit and fascia cladding as indicated.
- .9 Maintain joints in exterior cladding, true to line, tight fitting, hairline joints.
- .10 Attach components in manner not restricting thermal movement.
- .11 Caulk junctions with adjoining work with sealant. Perform work in accordance with Section 07 92 00 Joint Sealants.

### 3.6 CLEANING

- .1 Proceed in accordance with Section 01 74 11 Cleaning. .1 Leave Work area clean at end of each day.
- .2 Final Cleaning: Upon completion remove surplus materials, rubbish, tools and equipment in accordance with Section 01 74 11 Cleaning.

# 3.7 **PROTECTION**

- .1 Protect installed products and components from damage during construction.
- .2 Repair damage to adjacent materials caused by preformed metal siding installation.

END OF SECTION

## PART 1 - GENERAL

## 1.1 REFERENCES

- .1 American Society for Testing and Materials International (ASTM):
  - .1 ASTM C 423-09A, Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.
  - .2 ASTM C635/C635M-13A, Standard Specification for the Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings.
  - .3 ASTM E84-15B, Standard Test Method for Surface Burning Characteristics of Building Materials.
  - .4 ASTM E1264-14 Standard Classification for Acoustical Ceiling Products.
- .2 Canadian General Standards Board (CGSB):
  - .1 CAN/CGSB-51.34-M86(R1988), Vapour Barrier, Polyethylene Sheet for Use in Building Construction.
  - .2 CAN/CGSB-92.1-M89, Sound Absorptive Prefabricated Acoustical Units.
- .3 Canadian Standards Association (CSA International): .1 CSA B111-1974(R2003), Wire Nails, Spikes and Staples.
- .4 Health Canada/Workplace Hazardous Materials Information System (WHMIS): .1 Material Safety Data Sheets (MSDS).
- .5 South Coast Air Quality Management District (SCAQMD), California State:
  - .1 SCAQMD Rule 1113-04, Architectural Coatings.
  - .2 SCAQMD Rule 1168-05, Adhesives and Sealants Applications.
- .6 Underwriter Laboratories of Canada (ULC):
  - .1 CAN/ULC-S702-09, Standard for Thermal Insulation, Mineral Fibre, for Buildings.

## 1.2 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Provide submittals in accordance with Section 01 33 00 Submittal Procedures.
- .2 Provide manufacturer's product data and installation instructions in accordance with Section 01 33 00 - Submittal Procedures.
  - .1 Include recommended procedures for normal cleaning and removal of stains including precautions in use of cleaning materials that may be detrimental to surfaces.
- .3 Provide samples in accordance with Section 01 33 00 Submittal Procedures.
  - .1 Submit duplicate 152 × 152 mm / 6" × 6" sample of acoustical unit, showing full range of exposed texture to be expected in completed work.

## 1.3 ENVIRONMENTAL REQUIREMENTS

- .1 Commence installation after building is enclosed, with HVAC system operational and when dust generating activities are completed.
- .2 Permit wet work to dry prior to commencement of installation.

- .3 Locate materials onsite at least 24 hours before beginning installation to allow materials to reach temperature and moisture content equilibrium.
- .4 Maintain uniform minimum temperature of 15 degrees C and relative humidity of 20 40% prior to, during and after installation.

### 1.4 DELIVERY, STORAGE AND HANDLING

- .1 Deliver, store and handle materials in accordance with Section 01 61 00 Common Product Requirements and with manufacturer's written instructions.
- .2 Delivery and Acceptance Requirements: Deliver materials to site in original factory packaging, labelled with manufacturer's name and address.
- .3 Storage and Handling Requirements:
  - .1 Store materials indoors and in accordance with manufacturer's recommendations in clean, dry, well-ventilated area.
  - .2 Store materials inside, level, under cover. Protect from weather, damage from construction operations and other causes, in accordance with manufacturer's printed instructions.
  - .3 Handle materials to prevent damage to edges or surfaces. Protect metal accessories and trim from being bent or damaged.
  - .4 Store and protect acoustic materials from nicks, scratches, and blemishes.
  - .5 Replace defective or damaged materials with new.

# 1.5 MAINTENANCE

- .1 Extra Materials:
  - .1 Provide extra materials of acoustic units and adhesive in accordance with Section 01 78 00 -Closeout Submittals.
  - .2 Provide acoustical units for maintenance use amounting to 2% of gross wall area for required for project.
  - .3 Provide sufficient adhesive to install extra material provided.
  - .4 Extra materials from same production run as installed materials.
  - .5 Identify each package of acoustical units including colour and type, and each container of adhesive.
  - .6 Deliver to Owner, upon completion of the work of this section.
  - .7 Store where directed by Owner.

## PART 2 - PRODUCTS

## 2.1 MATERIALS

- .1 Interior Wall Panels:
  - .1 Surface Texture: Coarse.
  - .2 Composition: Aspen wood fibres bonded with inorganic hydraulic cement.
  - .3 Colour: White.
  - .4 Size: 610mm x 2440 (24" x 48").
  - .5 Thickness: 25mm (1").

- .6 Edge: Short edges beveled.
- .7 Acceptable Product: Tectum Direct-Attached 8182T10 by Armstrong World Industries or approved equivalent.
- .2 Staples, nails and screws: To CSA B111, non-corrosive finish, type recommended by acoustic unit manufacturer.

## PART 3 - EXECUTION

### 3.1 MANUFACTURER'S INSTRUCTIONS

- .1 Compliance: Comply with manufacturer's written recommendations or specifications, including product technical bulletins, handling, storage and installation instructions, and datasheets.
- .2 Install materials in accordance with governing regulations, fire resistance rating requirements and industry standards applicable to work.

### 3.2 EXAMINATION

- .1 Verification of Conditions: Verify conditions of substrates previously installed under other Sections or Contracts are acceptable to receive acoustical treatment system in accordance with manufacturer's written instructions.
  - .1 Proceed with installation only after unacceptable conditions have been remedied.

## 3.3 INSTALLATION

- .1 Ensure substrate surface is straight to tolerance of plus or minus 3 mm over 3000 mm.
- .2 Install acoustic units to clean, dry and firm substrate using screws as per manufacturer's written instructions.
- .3 Install acoustic units plumb and aligned.
- .4 Scribe acoustic units to fit adjacent work. Butt joints tight, terminate edges with moulding.

# 3.4 CLEANING

- .1 Proceed in accordance with Section 01 74 11 Cleaning.
- .2 Keep acoustic installation and all components clean. Remove blemishes immediately.

### 3.5 **PROTECTION**

- .1 Use polyethylene to protect finished acoustical wall treatment from damage.
- .2 Remove prior to substantial completion.



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