



# 1018-2016 ADDENDUM 4

## CONSTRUCTION OF TRANSCONA LIBRARY – 1500 PLESSIS ROAD

### **URGENT**

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

ISSUED: March 16<sup>th</sup> 2017  
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**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 10 of Form A: Bid may render your Bid non-responsive.

### **PART E – SPECIFICATIONS**

#### **Division 01**

##### **Section 01 52 00 Construction Facilities:**

Revise: 1.8 Site security is the Contractor's responsibility.

#### **Division 07**

##### **Section 07 27 00 Air Barriers:**

Add: 2.1.2.1.3 Soprema – Sopraseal Stick VP

#### **Division 09**

##### **Section 09 68 13 Tile Carpeting:**

Revise: 2.3.1.1.1 Tandus Centiva Flooring, **Geoknit**

#### **Division 23**

##### **Section 23 09 33 – Instrumentation and Control for HVAC**

Replace: 2.6.3 Wireless Thermostats

- .1 The Many-To-One System Receiver (WRS Receiver) shall receive wireless Radio Frequency (RF) signals containing temperature data from multiple Wireless Room Temperature Sensors (WRS Sensors).
  - .1 The WRS Receiver shall use direct sequence spread spectrum RF technology.
  - .2 The WRS Receiver shall operate on the 2.4 GHZ ISM Band.

- .3 The WRS Receiver shall meet the IEEE 802.15.4 standard for low-power, low duty-cycle RF transmitting systems.
- .4 The WRS Receiver shall be FCC compliant to CFR Part 15 subpart B Class A.
- .5 The WRS Receiver shall operate as a bidirectional transceiver with the sensors to confirm and synchronize data transmission.
- .6 The WRS Receiver shall be capable of communication with WRS Sensors up to a distance of 200 Feet.
- .7 The WRS Receiver shall be assembled in a plenum rated plastic housing with flammability rated to UL94-5VB.
- .8 The WRS Receiver shall have LED indicators to provide information regarding the following conditions:
  - Power On/Off
  - Ethernet – Receiver Activity/No Activity
  - Wireless Normal Mode – Transmission from sensors/No Transmission
  - Wireless Rapid Transmit Mode – No transmission/ weak signal/Adequate signal/Excellent signal
  - Ethernet Connection – No connection/10Mbps connection/100Mbps connection
  - Network Activity – No Network Activity/Half-Duplex Communication/Full-Duplex Communication
- .2 The WRS Sensors shall sense and report room temperatures to the WRS Receiver.
  - .1 The WRS Sensors shall use direct sequence spread spectrum RF technology.
  - .2 The WRS Sensors shall operate on the 2.4 GHZ ISM Band.
  - .3 The WRS Sensors shall meet the IEEE 802.15.4 standard for low-power, low duty-cycle RF transmitting systems.
  - .4 The WRS sensors shall be FCC compliant to CFR Part 15 subpart B Class A.
  - .5 The WRS sensors shall be available with
    - Warmer/Cooler Set Point Adjustment
    - No Set Point Adjustment
    - Set Point Adjustment Scale – 55 to 85° F.
  - .6 The WRS sensors shall be assembled in NEMA 1 plastic housings.