

INVITATION TO TENDER “ITT” No. PS20181183
FIRE HALL 17 CONSTRUCTION

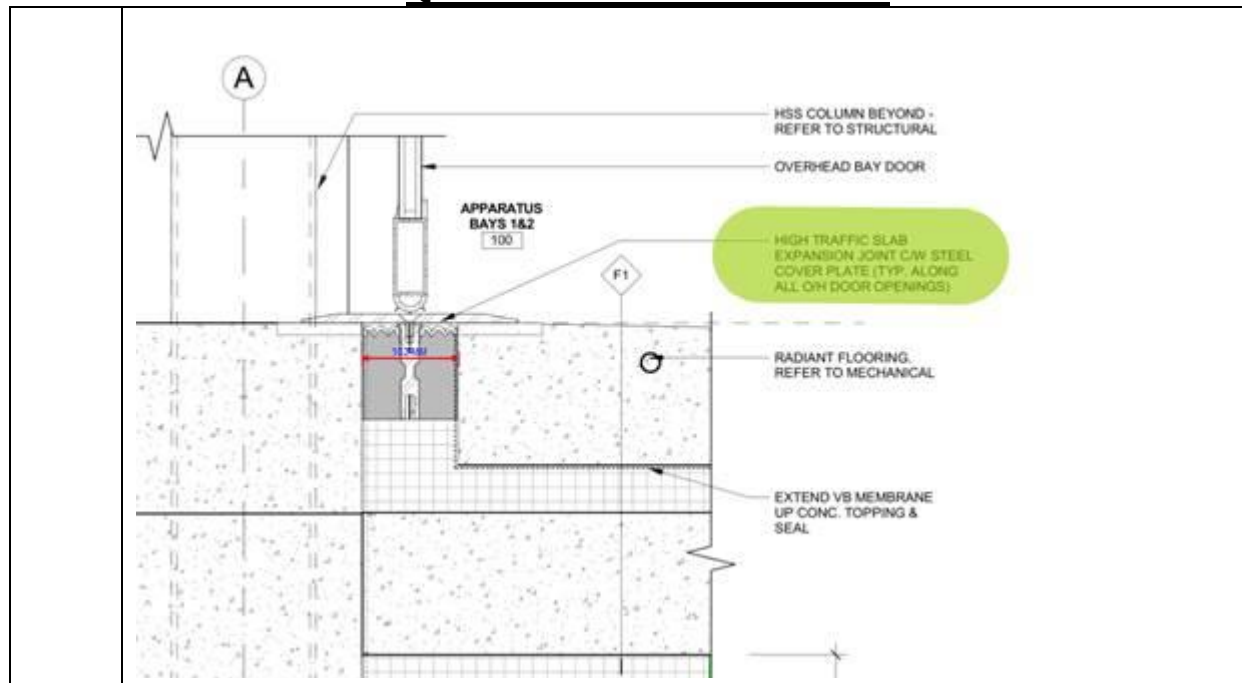
QUESTIONS AND ANSWERS NO. 4

ISSUED ON AUGUST 10, 2018

Q4.1	Has the consultant provided further specs for Section 10 14 19 - 2.1 PVC Exterior Signage?
A4.1	Signage design and specifications to be finalized after tender. Cash allowance is provided in item 22 of Schedule A (Part C - Form of Tender).
Q4.2	Are the floor number vinyl in the stairwells just the number or will include LEVEL?
A4.2	Signage design and specifications to be finalized after tender. Cash allowance is provided in item 22 of Schedule A (Part C - Form of Tender).
Q4.3	For the room signage, it says pressure sensitive vinyl with 4 mounting holes for mounting on door. Is this vinyl going on another substrate?
A4.3	Signage design and specifications to be finalized after tender. Cash allowance is provided in item 22 of Schedule A (Part C - Form of Tender).
Q4.4	As per our discussion, please find attached documents for review as alternates: <ul style="list-style-type: none"> · CGC Ceilings Alternate request to the specified ceilings on the project. · Data sheet for CGC Halcyon Fibreglass ceiling panels. · Data sheet for CGC Donn DX/DXL (15/16”) ceiling suspension system. · Data sheet for CGC Compasso Edge Trim · Data sheet for CGC Mars High NRC (Mineral Fibre) Ceiling panels. · Data sheet for CGC Mars / Mars High NRC Planks ceiling panels.
A4.4	Following Substitution Request Approved: <ul style="list-style-type: none"> · CGC Halcyon Fibreglass ceiling panels. · CGC Donn DX/DXL (9/16”) ceiling suspension system. · CGC Compasso Edge Trim See Addendum 4 (ADD 4) for further information on approved substitutions. Following Substitution Request Not Approved: <ul style="list-style-type: none"> · CGC Mars High NRC (Mineral Fibre) Ceiling panels. · CGC Mars / Mars High NRC Planks ceiling panels.
Q4.5	Could confirm the width of this joint is 4”?

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A4.5 Refer to Addendum 3 (ADD 3), Item A3-4.17.

Following the specifications noted below are the questions:

Section 22 61 00

Subsection 2.4 Air Compressor

- Under 2.4.1, it calls for a packaged two stage duplex air compressor complete with a list of features
- Under 2.4.3, it calls for a control panel to provide lead/lag changeover, this implies there are 2x 7.5HP Compressors
- Under 2.4.7, it states to refer to schedules on drawings for capacities
 - On Equipment Schedules - M900, it references an Ingersoll Rand 2475N7.5 Compressor which is a simplex (not duplex) two stage reciprocating compressor. Nowhere on the schedule does it make reference to a duplex compressor or lead lag system (implying a duplex configuration)

Subsection 2.5 Air Dryer

- Under 2.5.1, it calls for a refrigerated dryer but then mentions dew point of -34°C which relates to a desiccant type dryer. Refrigerated Dryers are typically $+3^{\circ}\text{C}$ to $+7^{\circ}\text{C}$ dew point whereas desiccant are -40°C dew point.
- Under 2.5.1, it also calls for a “Water Cooled” heat exchange which implies a refrigerated type dryer. However, this type of cooling is not common on dryers of this size which are usually air cooled.
 - On Equipment Schedules - M900, it does not even list a refrigerated dryer or any dryer as being required

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Subsection 2.6 Air Receiver	
<ul style="list-style-type: none"> • Under 2.6, it calls for an air receiver to be provided. However, we are already supplying which is integral to the compressor. <ul style="list-style-type: none"> ➤ On Equipment Schedules - M900, it does not mention a separate free standing receiver being required 	
Q4.6	Please confirm if you require one (1) 2475N7.5 Simplex Compressor (1 Duty, No Standby) as dictated on Equipment Schedules - M900 or a 2-2475N7.5 Duplex Compressor (1 Duty, 1 Standby) as implied as per Section 22 61 00
A4.6	Only one duty unit, no standby required as per equipment schedule on drawing M900. No changeover panel required.
Q4.7	Please confirm if you require a refrigerated or desiccant dryer is required for this application, or if no dryer is required. If a refrigerated dryer is required, only an air cooled dryer is available for this size. If a desiccant dryer is required, the dryer uses 15% of incoming air for purge so your system capacity will be reduced unless we go to a 10HP Compressor.
A4.7	No refrigerated or dessicant dryer required. Unit specified in equipment schedules on drawing M900 comes complete with air cooled aftercooler.
Q4.8	Please confirm if you require a separate free standing air receiver to be provided in addition to the integral receiver supplied as part of the compressor package
A4.8	No separate air receiver required.
Q4.9	With all of the information released in Addendum #2, and more to come, we would like to request another extension for the closing so we have adequate time to adjust our pricing.
A4.9	We will extend closing to August 16, 2018 (Thursday); same time, same place to submit.
Q4.10	Is there an AV Consultant and AV Specification?
A4.10	<p>In Addendum #02, Conceptual AV Flow Drawing AV-01 was issues by AV Consultant: Applied Electronics Ltd. 8573 Commerce Ct, Burnaby BC V5A 4N5 604.439.7228 rbyleveldt@appliedelectronics.com</p> <p>There is no AV specification.</p>
Q4.11	Who is supplying and installing the Locution system that is shown on E004 is the schematic. Location is on E301 in the rip and run room.
A4.11	This will be provided in Addendum #4 (ADD 4)

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Q4.12	<p>There was a BC Hydro quote totally \$221,420 and drawing (attached) included as part of the Addendum #1 documents on the FTP site. This quote and drawing looks like it is for some off-site work bringing power to the transformer on site. However, I don't see any reference for it in Addendum #1 for the GC to include this quote or any off site related works and therefore will be excluding from our submission.</p> <p>There is also the \$130,000 cash allowance that is for the BC Hydro works components. Was that number supposed to be revised to the \$221,420.85 as per the BC Hydro quote? We will be including the \$130,000 BC Hydro cash allowance per the tender form unless otherwise advised.</p> <p>Since the work drawn with the BC Hydro quote is off site, and there is a note saying its "Issued for Information Only" on the drawing, we are assuming this is quote is not part of our tender price and will be done by others.</p>
A4.12	<p>The BC Hydro drawing and Quote are for bidder information only to show extent of civil and electrical work outside the property that will be completed by BC Hydro in order to install new 3 Phase power to the site. BC Hydro will also bring power to the Transformer and from the transformer to the Electrical room.</p> <p>Contractor is responsible to install related conduit within the property lines as part of the contract. Cash Allowance, Item 23 in Schedule "A" Part C - Form of Tender is intended for BC Hydro items described in that item. The proposed cost included in BC Hydro Quote dated May 16, 2018 has been paid by Owner and does not need to be included in anticipated Cash Allowance.</p>