

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

QUESTIONS AND ANSWERS NO. 1

ISSUED ON AUGUST 1, 2018

Q1.1	The Undertaking of Insurance, Schedule J, states that the “Certificate of Existing Insurance” provided with the ITT should be completed and signed and enclosed with this schedule.” However, the “Cert. of Existing Insurance” has been intentionally omitted in Schedule I. Please clarify if the Cert of Existing Insurance is required with Schedule J.
A1.1	<b>The Cert. of Existing Insurance is not required. Please submit the Undertaking of Insurance without it.</b>
Q1.2	Please review addition of <b>Self-Adhered Air and Vapour Barrier Membrane 3015 manufactured by 3M</b> . Attached are supporting materials for your review - Technical Guide - Air Barrier 3015 and 3M Air and Vapor Barrier 3015 mar 2015.
A1.2	<b>Not approved</b>
Q1.3	26-05-34 states all EMT fittings are to be compression type. Normally these are only used in outdoor or wet locations. Please confirm standard set screw fittings are acceptable in dry (indoor) locations.
A1.3	<b>Yes, it is acceptable to use standard screw fittings in dry (indoor) locations. Refer to addendum.</b>
Q1.4	26-43-13 states the MDC and branch panel boards require surge protective devices (SPD’s) but nothing is shown on the single line diagram except for the MDC. Please confirm if SPD’s are required on the branch panel boards.
A1.4	<b>SPD is only required where shown on the SLD, not branch panels. Refer to addendum.</b>
Q1.5	Power and low tension drawings show access control / security however there is no specification sections in volume 2 for these systems. Drawing E611 shows conduit rough-in requirements and Cat 6 cable for card readers but no cabling for access controls. Please advise if the owner will be supplying and installing this system c/w wiring themselves.

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<b>A1.5</b>	<b>Security system installation to be by electrical contractor. Refer to addendum E-02 for updated spec and details.</b>
<b>Q1.6</b>	Drawing E004 show PA system wiring to Bogen PA system. Please confirm PA system and speakers c/w back boxes are supplied by the owner.
<b>A1.6</b>	<b>All PA system by electrical contractor.</b>
<b>Q1.7</b>	We didn't see any required qualifications for electrical subcontractor. Does the city require any specific qualifications from the electrical subcontractor?
<b>A1.7</b>	<b>To be addressed in the next addendum.</b>
<b>Q1.8</b>	We are looking to see if you will consider an alternative product to the Raico Passive House curtain wall system for Firehall 17  We are currently importing the Aluprof system from Europe that also has a Passive House Certified curtain wall system as well as punch windows and doors. We would also use the Schuco ASS HI for the sliding doors.  I have attached documentation on the Aluprof system for your review.
<b>A1.8</b>	<b>Provide clarification and confirmation for the following items:</b>  <ol style="list-style-type: none"> <li><b>1. Confirm if glazing is compatible with Electrochromic (Dynamic) glass and all requirements as per Project Specifications. If alternative manufacturers are proposed we require additional information.</b></li> <li><b>2. Confirm curtain wall doors will meet the requirements as per project specifications.</b></li> <li><b>3. Confirm application of full height steel kickplate on both sides of the doors will not void Passive House Certification and manufacturer warranty.</b></li> <li><b>4. Confirm max. depth of backleg of curtain wall frame that will be required to obtain the structural strength of the curtain wall (especially where curtain walls are very tall and wide). As per details 150mm backleg is assumed to be the largest depth.</b></li> <li><b>5. Confirm backleg of curtain wall frame can be adjusted / modified where depth of backleg will need to be shortened to accommodate the vertical and horizontal locations of the structural steel, in an aesthetically pleasing manner (ie: no exposed cuts or sharp edges).</b></li> <li><b>6. Confirm that angle of sloped glazing of window EGS2 can be achieved as per Project Specifications and Architectural Drawings without negatively impacting the Passive House Certification and Specified requirements.</b></li> <li><b>7. Confirm that specified door hardware will not void Passive House Certification and manufacturer warranties.</b></li> <li><b>8. Confirm Passive House Certified glazing is compatible with fire glass</b></li> </ol>

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	<p>specification and min. required fire ratings.</p> <ol style="list-style-type: none"><li>9. Confirm the manufacturer will provide “therm” calculations for all curtain wall Architectural details to verify Psi-Install values to Architect to be inputted in PHPP in a timely manner for Passive House Certification.</li><li>10. Confirm that all angles of windows are achievable with Passive House Certified products, meeting the Project Specifications.</li><li>11. Confirm curtain wall and doors can have two tones where shown (ie: black anodized on one side and clear anodized on other side).</li><li>12. Confirm that Passive House Certification will not be voided with operable windows opening outwards (ie: opening to exterior).</li><li>13. Confirm the specified products are for commercial use. Residential products are not acceptable.</li><li>14. Confirm glazing products are applicable to be used for “guard” resistance meeting the min. requirements of VBBL 2014 for</li><li>15. Confirm what is the proposed type/specification/model number for:<ol style="list-style-type: none"><li>a. Curtain Wall System</li><li>b. Curtain Wall Door System</li><li>c. Door System</li><li>d. Window System</li></ol></li></ol>
Q1.9	<p>One thing I am a little puzzled with is that in the specifications it has been indicated what the UF values need to be however I did not come across any documentation stating what the UG value of the glazing needs to be. Is this an oversight on my part or has this been determined at this point?</p>
A1.9	<p>The UG values are documented in Volume 1 Specification; Section 08 80 50 Glass and Glazing</p>