



PURCHASING SECTION
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ADDENDUM #3

REQUEST FOR QUOTATIONS (RFQ) NO.: 1220-040-2016-096
TITLE: MECHANICAL ROOM ADDITION AND GALLERY
HVAC UPGRADE – SURREY ARTS CENTRE
ADDENDUM ISSUE DATE: October 6, 2016
REVISED CLOSING DATE: prefer to receive Quotations on or before:
Wednesday, October 12, 2016

INFORMATION FOR CONTRACTORS

This Addendum is issued to provide additional information to the RFQ for the above named project, to the extent referenced and shall become a part thereof. No consideration will be allowed for extras due to the Contractor not being familiar with this Addendum. This Addendum No. 3 contains six (6) pages in total.

INQUIRIES

Inquiries should be made no later than seven (7) business days before Closing Date. The City reserves the right not to respond to inquiries made within seven (7) business days of the Closing Date. Inquiries and responses will be recorded and may be distributed to all Contractors at the discretion of the City.

QUESTIONS AND ANSWERS:

Q1: New Mechanical Room 000 – please confirm if the back wall (GL I) receives new metal liner from grade up to roof line after the vertical metal wall panels are removed. This is not indicated on the floor plan or building section, but only on detail 4/A-03. (Assume that the existing rigid insulation and any metal furring/girts are also to remain to support the new metal liner?)

A1: Remove the existing metal liner complete with all insulation and support furring to expose the concrete block wall beyond as the finish at the west side of the new Mechanical Room.

Q2: Details 1,2,3/A-03 indicate 3" x 3" horizontal steel angles, but these (and where/how connected to other members) are not shown on the structural drawings.

A2: Provide L3"x 3"x 1/4"galvanized steel angles both horizontal and vertical at the locations noted on the architectural Details 1,2,3,4, and 5 on drawing sheet A-03.The horizontal angles along the west wall Type W1 (top and bottom) are typically welded to the existing steel support columns (touch-up weld locations with a zinc paint to maintain the galvanized protection), except for the bottom-most angle which is bolted into the existing vertical concrete wall as per Detail 3. A similar angle is to be run vertically at the two inside corners where the west wall terminates at the steel-stud framed north and south walls as per Detail 5 (and where the north and south walls terminate at the existing east concrete block wall). This angle is to be welded to the horizontal angles top and bottom at the west side and bolted to the concrete block wall at the east side of the new Mechanical Room.

At the insulated ceiling assembly which is to run continuously below the existing steel framed roof structure, provide galvanized steel Z-girts running north-south to support the insulation and metal liner panels which provide the finished ceiling within the new Mechanical Room. Bolt the girts to the existing steel roof beams that run east-west above.

Q3: Structural drawing S2 – Roof Plan. Please clarify at what elevation this structural steel is at. This level of structural steel is not indicated on the Architectural drawing building sections.

A3: The roof plan was deleted in Addendum #1.

Q4: For the roof what is expected? 3" insulation plus Z bar and liner panel? It appears in detail 2/A-03 that the insulation is about 7 inches below the corrugated roof. How is this to be achieved?

A4: Yes, attach 3" Z girts to the underside of the existing steel beams, install 3" rigid insulation, install liner panel. Liner panel is a vapour barrier so all joints should have suitable interlock and sealant. Depth of steel beam creates the ceiling air space.

Q5: Structural detail 3/S2 – does this structural steel work sit on top of the existing conc block wall, referencing Arch detail 2/A-03? If so then the existing upper rear wood lattice screen must be removed to facilitate this new structural steel?

A5: See Addendum #1.

Q6: Can you clarify who the controls contractor is to be used on this project.

A6: See Addendum #1.

Q7: Who is the base building sprinklers contractor?

A7: See Addendum #1.

Q8: Who is the base building DDC Controls contractor?

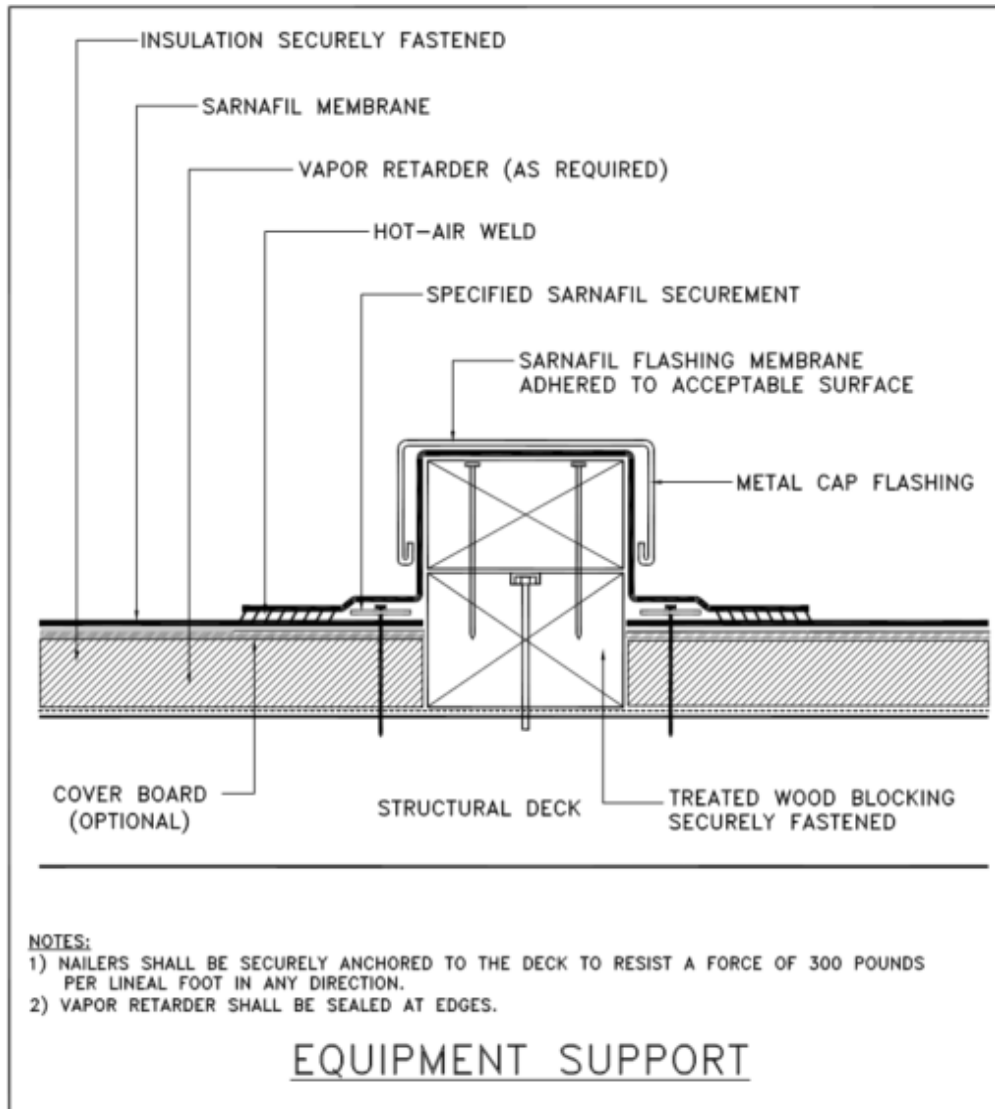
A8: See Addendum #1.

Q9: Drawing M501 – what is the scope of re-roofing at the (6) removed rooftop units. Are we providing a sheet metal cap only over the existing duct penetrations thru the roof, or removing all equipment, curbs, etc. down to roof deck substrate and then re-roofing the affected area? What is the existing roof membrane assembly?

A9: Contractor to note that the demolition scope of works are limited to removing the roof top units and related refrigeration lines. The existing exposed duct work will remain as is. The re-roofing is required for the affected area of the demolished refrigeration lines.

Q10: Drawing M501 – What is the roof curb/mounting detail for new unit CH-1?

A10: The new chiller will be installed as per the manufacturer's installation guidelines, which include group of anti-vibration isolators that will be installed under the unit base. The anti-vibration isolators shall be placed on the new roof equipment support sleepers, which will be provided by the contractor (see below for a typical detail).



Q11: Timing – We believe completion is required at the end of March 2017 for funding purposes. When would you like the works to commence?

A11: The construction of the mechanical room can commence immediately, the exact shutdown dates for the interior work haven't been determined.

Q12: DWG. E100 – There are 9 x Ceiling Suspended linear Luminaire marked as “RE – EXTG. Device in NEW Relocated Position”, should it be marked as “RR – EXTG. Device To Be Removed & Relocated/Reinstalled”? Please confirm.

A12: Yes, the 9 luminaires marked as RE on drawing E100 should be marked as RR as these are to be removed and relocated/re-installed as required.

Q13: DWG. E100 - Do we know what panel board feeds mechanical equipment(BCU-1 to BCU-6 & F-12) to be removed? Please confirm.

A13: The existing mechanical equipment BCU-1 to BCU-6 & F-12 are fed from the existing panel NM.

Q14: Please advise what size of conduit wire should we use to feed EXTG. PANEL NM (2MECH1) in its new location.

A14: The feeder from panel 6MECH1 to the 30kVA transformer primary shall be minimum 3#8AWG RW90 in 27mm conduit. The feeder from the 30kVA transformer secondary to panel 2MECH1 shall be minimum 4#2AWG RW90 in 41mm conduit.

Q15: Can you determine the size of wire needed for ‘Drawing Keynote#2 on DWG. E102’? Please advise.

A15: Based on the size of the existing breaker, allow for the existing wire size to be minimum 4#4/0AWG. However, as noted in keynote #2, the wire size will need to be verified on site by the Contractor.

Q16: What is the EXTG. Security System?

A16: The existing security system is a DSC Maxsys PC4020. There is an existing 16zone expansion card which seems to be full. The Contractor will need to provide a new MAXSYS PC4108A zone input module.

Q17: Items under heading 1 refer to the Contract terms which do not appear to be in accordance with CCDC2 guidelines, is the City willing to entertain contract changes?

A17: Contractors can request departure(s) / alternative(s) in their Quotation. The Contractor acknowledges that the departures it has requested in Sections 3 and 4 of its Quotation will not form part of the Contract unless and until the City agrees to them in writing by initialing or otherwise specifically consenting in writing to be bound by any of them.

Q18: Regarding SP 22, please confirm Building Permit costs are by Owner.

A18: Building Permit costs covered by the Owner.

Q19: Drawing A-02, detail 1, shows the South wall as W1 which does not include steel. A-03, detail 5 shows steel studs required. Please clarify.

A19: The south wall is W2, same as north wall.

Q20: Drawing A-03 details 1 and 2 show a 'purlin and closure'. Please specify and provide details.

A20: There are existing purlins above the existing steel roof beams. These existing purlins support the corrugated roof. Above the new exterior walls an additional purlin, similar to the existing, is required, aligned with the new wall. Above this purlin a contoured "closure" strip, which conforms to the profile of the roofing, is needed to close any gaps at the ends of the roofing.

Q21: Drawing A-04 Finishes indicates paint as required. Please provide specifications for paint and areas required to be painted.

A21: The description in A04 - finishes describes the required paint standards.

Q22: Drawing A- 05 indicates 'replace landscaping as required'. This is not possible to estimate with so little information. Request this gets moved to a cash allowance or more information is provided.

A22: As a Contractor we believe you are able to plan the extent of a work zone you will need adjoining the building. Should you damage or remove plants in your work zone you will be required to replace/restore them with similar plantings, after the building work is complete.

Q23: Mechanical layout implies the existing roof penetrations are to be reused. Please confirm if this is the case. There is currently no indication of roofing patch and repair work under the architectural drawings and specs.

A23: See above noted response A9 & A10.

Q24: There does not appear to be any requirement for tie down points for the seismic restraint of rooftop ductwork. Please confirm if these are required, and provide a sketch of structural and roofing requirements.

A24: Contractor's engineer to review the existing exposed ductworks, from "wind uplift affect" and "seismic" perspectives. Contractor to provide the require restraints accordingly.

Q25: There is no roofing specifications or indication of roofing required for the new Roof top unit.

A25: See above noted response A9 & A10.

Q26: There is no indication of roofing repair after the removal of the old roof top HVAC unit. Please provide details and specifications. (It may be easier for the owner to place roof repairs under a cash allowance).

A26: See above noted response A9 & A10.

Q27: What is the amount of the bid bond? Is it to be 10% of the tendered price?

A27: Each Quotation should be accompanied by a Consent of Surety duly completed by a surety company authorized and licensed to carry on business in British Columbia and having an office in British Columbia. Each Quotation should be accompanied by a Bid Bond duly completed by a surety company authorized and licensed to carry on business in British Columbia and having an office in British Columbia, payable to the "City of Surrey", in the amount of ten percent (10%) of the Total Quotation Price. The preferred form of the Bond should be one issued by the Canadian Construction Documents Committee as follows: Bid Bond: CCDC 220 (latest).

Q28: The HVAC replacement will cause a shutdown (no heating/cooling/ventilation) for a few months. Please advise if the SAC facility is aware of this, or if they have already scheduled a shutdown of this wing.

A28: A four (4) to six (6) week shutdown will be scheduled for the HVAC equipment installation.

END OF ADDENDUM #3

All Addenda will become part of the RFQ Documents.
