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## **Addendum # 8**

**Dated: October 09, 2024**

### **Bid Opportunity: T-24-33 - General Contractor for the Construction of a Helicopter Hangar and Related Interior and Exterior Spaces in the Town of East Gwillimbury, Ontario**

**Closing Date: Thursday, October 17, 2024 2:00 PM**

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All Bidders are advised by this addendum to incorporate the following changes/clarifications to the above noted Document.

#### **1. Intent:**

- a. This Addendum is issued during Bidding and shall form part of Bidding and Contract Documents for above Project.
- b. Except as otherwise specified herein, or as shown on accompanying Drawings and Sketches, work required by this Addendum shall be in accordance with specifications dated September 9, 2024, and Drawings accompanying same and previously issued Addendum (if any).
- c. To maintain traceability of questions, the numbering remains consistent with the sequence assigned in previous addendum(s). For clarity and brevity, any question numbers missing from this addendum have been addressed in prior addendum(s) and are omitted.

#### **2. Extension of Closing Time**

**Closing Time has been extended on the Bidding System from 2:00:00 p.m. local time, on Tuesday, October 15, 2024 to 2:00:00 p.m. local time, on Thursday, October 17, 2024.**

**Additionally, the question Period has been extended to 4:00 p.m. on Thursday, October 10, 2024.**

**There will not be any further extensions of either the Closing Time or the Question Period.**

#### **3. Drawing Revisions:**

##### **1.1 ARCHITECTURAL**

##### **.1 Drawing A-005**

- .1 Update to assemblies.

- .2 Drawing A-110**
  - .1 Update to vestibule heating and wall assembly.
  - .2 Update to wall types.
  - .3 Update to structural column at gridline E & 5.
  - .4 Update to mechanical shaft.
- .3 Drawing A-111**
  - .1 Update to metal parapet flashing.
  - .2 Update to roof walkway.
- .4 Drawing A-131**
  - .1 New notes for interior finishes.
- .5 Drawing A-200**
  - .1 Update to the kitchen millwork.
- .6 Drawing A-201**
  - .1 Update to millwork details.
- .7 Drawing A-310**
  - .1 Update to building sections.
- .8 Drawing A-401**
  - .1 Update to wall sections and parapet details.
- .9 Drawing A-402**
  - .1 Update to wall sections.
- .10 Drawing A-500**
  - .1 Update to section details.
- .11 Drawing A-501**
  - .1 Update to section details.
- .12 Drawing A-505**
  - .1 New sheet added with plan details.
- .13 Architectural Specification Section 00 30 00**
  - .1 Changes shown in red.
- .14 Architectural Specification Section 01 21 00**
  - .1 Changes shown in red.
- .15 Architectural Specification Section 01 50 00**
  - .1 Changes shown in red.
- .16 Architectural Specification Section 01 83 16**
  - .1 Changes shown in red.
- .17 Architectural Specification Section 07 42 14**
  - .1 Section removed.
- .18 Architectural Specification Section 08 44 00**
  - .1 Replace previous specification section 08 44 00 in its entirety.

**.19 Architectural Specification Section 08 93 13**

.1 New section added.

**.20 Architectural Specification Section 10 71 13**

.1 Section removed.

**.21 Architectural Specification Section 13 34 24**

.1 Changes shown in red.

**.22 Architectural Specification Section 32 31 00**

.1 Changes shown in red.

**1.2 AVIATION**

**.1 Drawing H01**

.1 No changes noted.

**.2 Drawing H02**

.1 Update to weather station location and notes.

**.3 Drawing H03**

.1 Update to Notes.

**.4 Drawing H04**

.1 No changes noted.

**.5 Drawing H05**

.1 Update to Notes.

**1.3 MECHANICAL**

**.1 Drawing M-250**

.1 Update to sanitary line.

**.2 Drawing M-251**

.1 Update to storm lines and cleanouts.

**.3 Drawing M-252**

.1 Update to mechanical room equipment.

**.4 Drawing M-351**

.1 Update to louvres.

**.5 Drawing M-702**

.1 Update to heating schematic and sequence of operation notes.

**.6 Drawing M-751**

.1 Removed sequence of operation notes on sheet.

**.7 Drawing M-900**

.1 Update to Electric Unit Heater Schedule.

**.8 Drawing M-901**

.1 Update to schedules/

- .9 Mechanical Specification Section 22 15 00**
  - .1 Section added.
- .10 Mechanical Specification Section 26 32 13.16**
  - .1 Revisions in blue.

#### **1.4 ELECTRICAL**

- .1 Drawing E-001**
  - .1 Update to General Notes and drawing lists.
- .2 Drawing E-100**
  - .1 Update to Overall Site Plan
- .3 Drawing E-200**
  - .1 Update to Keynote Legend.
- .4 Drawing E-300**
  - .1 Update to electrical layout.
- .5 Drawing E-301**
  - .1 Update to electrical roof plan.
- .6 Drawing E-700**
  - .1 Update to electrical single line diagram.
- .7 Drawing E-803**
  - .1 Update to duct bank detail
- .8 Drawing E-804**
  - .1 Update to electrical details
- .9 Drawing E-805**
  - .1 Update to electrical details.
- .10 Drawing E-806**
  - .1 Drawing added.
- .11 Drawing E-900**
  - .1 Update to helipad lighting controller.
  - .2 Update to lighting control matrix and lighting schedules.
- .12 Drawing E-901**
  - .1 Update to electrical schedules.
- .13 Electrical Specification Section 26 32 23.13**
  - .1 Revisions in blue.

#### **Question 15:**

The timeline of 165 days to substantial is very tight considered the design of the pre-eng building is not complete and permit approval is based on the design submission. There is also a liquidated damage clause if substantial completion is not achieved. It is not fair to the general contractors

to assume the risk, in particular the design and permitting components are beyond their control. Please consider a more realistic timeline and remove the liquidated damage clause.

**Answer 15: Article 1.3 of the Appendix C – Form of Contract is being revised to the following:**

**1.3     attain:**

**.1       *Substantial Performance of the Contract within 230 Working Days;***

**.2       *Total Performance of the Contract within 250 Working Days***

**from the commencement date specified in the Owner's written notice to commence the Work, (the "*Commencement Date*") subject to potential adjustment pursuant to PART 6 – CHANGES IN THE WORK; and**

**Article A-12 Liquidated Damages will not be removed.**

**Question 32:**

Site drawing shows generator please provide the kw of the generator and amps for ATS, Also the feeder size and conduit size from where it is being fed from.

**Answer 32: This response was originally provided in Addendum 4:**

***Refer to Addendum 3, M&E summary, item 20.b. E-700 SLD provided. Genset is 600V, 200kW. Feeder size will be added to SLD in subsequent addendum.***

**Refer to E-700 SLD issued as part of Addendum 6 for feeder sizes.**

**Question 33:**

Please provide a single line diagram with all the distribution showing the feeder sizes and conduit sizes to each equipment.

**Answer 33: This response was originally provided in Addendum 4:**

***Refer to Electrical drawings issued with Addendum 3, E-700 for SLD. Principal feeder sizes and conduit will be provided in a subsequent addendum.***

**Refer to E-700 SLD issued as part of Addendum 6 for feeder sizes.**

**Question 53:**

Please advise if masonry wall supporting mezzanine is fully grouted.

**Answer 53: Yes, refer to the Foundation Schedule on S-100 issued with Addendum 1.**

**Question 67:**

In Article 1.3 of Appendix C, the phrase "commence the Work" is used. Could you please clarify whether this refers to the date the building permit is issued?

**Answer 67: A response will be provided in a subsequent addendum.**

**Question 68:**

Please confirm that the soil will not be disposed offsite and that the area on the west side of the construction site can be used for stockpile.

**Answer 68: This response was originally provided in Addendum 3:**

***No soil will be removed from site. Any excess soil will be required to be placed and compacted in the excess site area west of west driveway. This same area is to be used for topsoil stockpile storage during site preparation. A drawing will be issued to illustrate.***

**For the drawing ,refer to area identified on A-002 issued in this Addendum 8.**

**Question 82:**

One of the Building suppliers looking for 31 weeks for installation of Pre Eng Building only and we have Substantial performance is withing 32 weeks (165 working days). Could you please revised the Substantial performance accordingly?

**Answer 82: See response to Question 15 above.**

**Question 85:**

Please see below needs clarification:

- a. There is a louver spec section :08 91 00, no louvers found on drawings.
- b. I found mechanical screen on roof plan and elevations, no screen section found and no specification. Usually is under division 10. If vision screen require, I attached our most popular model VAC-301 tear sheet and spec.

**Answer 85:**

- a. *Louvers, including sizes, will be shown on elevations in subsequent addendum***
- b. This part of the question was responded to in Addendum 3.**

**Question 97:**

Electrical Drawing E-300 shows Floorboxes, however no detail of what types are required is indicated. Please advise.

**Answer 97: This response was originally provided in Addendum 4:**

***Refer Answer 34: There will be no floor boxes. All power and data will be fed to desks by wall mounted boxes. Refer revised drawings to be issued in later Addendum.***

***A floor box has been added in Conference Room 103. Refer to electrical drawings and specifications issued with Addendum 6.***

**Question 110:**

Mechanical Schedule M900 shows conflicting information on Electric Unit Heaters, according to drawings, they are electric heater, but the schedule states fluid info, please clarify.

**Answer 110: This response was originally provided in Addendum 3:**

***These are Electric Unit heaters and schedule will be revised for next Addendum.***

***Updated drawings issued with Addendum 6.***

**Question 123:**

I am writing to request clarification regarding the provision of power and water sources as outlined in SC 13 of Appendix C – Supplementary condition. What specific power and water

sources will the Contractor be required to provide if YRP-supplied services are insufficient or unavailable.

**Answer 123: A response will be provided in a subsequent addendum.**

**Question 125:**

Please confirm if the site access road is from the south via Garfield Wright Blvd.

**Answer 125: A response will be provided in a subsequent addendum.**

**Question 141:**

Appendix C – Form of Contract, Final Article 1.3.1: Substantial Performance of the Contract within 165 working days. Following our review, discussions with various subcontractors and a detailed analysis of their lead times to prepare a reliable schedule, it has become apparent that the project duration will extend to at least 13 months. Accordingly, we respectfully request consideration for an extension of the contract duration to 280 working days, starting from the date the general contractor receives the building permit. Please advise, as this is crucial for ensuring constructability.

**Answer 141: See response to Question 15 above.**

**Question 162:**

Please consider post tender negotiations of the contract. This contract is very onerous based on the value and complexity of the project.

**Answer 162: The Request for Tender is the binding Contract A tendering process which does not permit post-tendering contract negotiations. This process ensures a level play field among competing bidders who are bidding based on identical pre-established contract terms and conditions. In accordance with Section B.1 of the RFT Particulars (Appendix A), the selected bidder will be required to enter into a contract with the Board for the provision of the Deliverables in the form of contract attached as Appendix C. No contract negotiations will be permitted.**

**Question 163:**

Please refer to T-24-33 Appendix C Form of Contract, Article 4.1. We would like to request clarification that this does not include force majeure events or change orders.

**Answer 163: The Contractor will be entitled to increases in the Contract Price when explicitly permitted under the Contract, including additional compensation for work performed under Change Orders.**

**Question 164:**

Please refer to T-24-33 Appendix C Form of Contract, GC 1.1.4. Please reinstate this clause, its removal is contradictory to other sections of this contract. For example, GC 1.1.10 and GC 1.1.12 state that the drawings are the property of the Owner and shall remain the property of the Owner, if the documents are property of the Owner, the GC must be able to rely on the documents provided and is not responsible for errors, omissions, or inconsistencies in the documents.

**Answer 164: There is no connection between the deleted GC 1.1.4 (which releases the Contractor from responsibility for the accuracy of the Contract Documents) and GC**

**1.1.10 and GC 1.1.12 (which address document ownership). Regardless, there is no need to re-instate GC 1.1.4 as its content is included in GC 1.8 – Document Review by the Contractor.**

**Question 165:**

Please refer to T-24-33 Appendix C Form of Contract, GC1.7.1. Please delete this clause. It is unreasonable to state that the Owner's and Consultant's reviews are only intended to ascertain that the work generally meets the intention of the contract. The Contractor is reliant on approvals, direction, and review (as mentioned in many other clauses throughout the contract) from the Owner and Consultant in order to perform the Contract.

**Answer 165: GC 1.7.1 will remain. In accordance with GC 3.1, the Contractor has total control of the Work and is solely responsible for the quality of the Work. The Contractor shall be responsible for all means and methods employed in the performance of the Contract, and the Consultant and the Owner will not interfere with the Contractor's decisions in that regard.**

**Question 166:**

Please refer to T-24-33 Appendix C Form of Contract, GC2.2.12. Please revise 5 working days to read 10 working days to allow for time to obtain pricing and schedule information from our subtrades.

**Answer 166: The Owner is agreeable to revising the time period under GC 2.2.12 to 10 Working Days.**

**Question 167:**

Please refer to T-24-33 Appendix C Form of Contract, GC3.2. Please clarify what work the Owner/Other Contractors intends to perform during the duration of this Contract.

**Answer 167: At this time, the Owner is not aware of any other work by the Owner or Other Contractors that will coincide with the Work under the Contract.**

**Question 168:**

Please refer to T-24-33 Appendix C Form of Contract, GC3.2.6. Any work required by Other Contractors that requires us to provide time and space should be additional to our contract and treated as a change order as we could not reasonably infer when, where, and how Other Contractors will be affecting our working space.

**Answer 168: Please see the response to Question 167 above. GC 3.2.6 will remain as is. In the unlikely event that work by Other Contractors results in significant additional costs to the Contractor, the Owner, acting reasonably, will review such costs and determine if it would be appropriate to issue a Change Order.**

**Question 169:**

Please refer to T-24-33 Appendix C Form of Contract, GC3.2.7. As the Contractor cannot anticipate the extent of the Other Contractors there should be a change order to allow increase if the Contractor must be the constructor that is mutually agreed upon between all parties

**Answer 169: Please see the responses to Questions 167 and 168 above. There will be no revisions to GC 3.2.7.**



**Question 170:**

Please refer to T-24-33 Appendix C Form of Contract, GC3.6.4. As this is a lump sum project, unless the trade is negligent, the General Contractor should be compensated for if the change requires the General Contractor to use a more expensive contractor.

**Answer 170: GC 3.6.4 will remain deleted from the Contract. The Owner will act reasonably in requiring the Contractor to change a proposed Subcontractor or Supplier.**

**Question 171:**

Please refer to T-24-33 Appendix C Form of Contract, GC3.7.6. Please remove the words “shall pay to the Owner” and replace with “shall be retained by the Owner” as this is standard practice.

**Answer 171: GC 3.7.6 specifies that the amount of the lien plus an additional 25% of the lien amount will be retained as a holdback.**

**Question 172:**

Please refer to T-24-33 Appendix C Form of Contract, GC3.11.1. Please remove this clause. The Contractor, once mobilized, will familiarize itself with the exact locations of such utilities, however, during the bidding process, the bidders are not able to confirm locations, therefore, anything that does not match the reports that has affects cost, should be compensated to the Contractor through a change order.

**Answer 172: GC 3.11.1 will remain. The Owner, acting reasonably, will consider claims for work related to utility relocations that could not be reasonably identified from a careful review of the Contract Documents or the Reports on a case-by-case basis.**

**Question 173:**

Please refer to T-24-33 Appendix C Form of Contract, GC6.1.6. Please note that depending on the nature of the additional work, general expenses should not be included in the mark-up. As an example, if scope is added that adds a large amount of general expenses (i.e., safety equipment, labour, temporary power) this cannot be expected to be included in the 5% markup as it could be significantly higher. Please confirm that GC6.3.5 overrules GC6.1.6 and allows us to include for the actual costs stated in 6.5.3 with our change orders.

**Answer 173: GC 6.3.5 and GC 6.1.6 operate in tandem. The Contractor will be compensated for its actual costs associated with the work under a Change Order or Change Directive pursuant to GC 6.3.5. The examples of the “general expenses” provided in the question would qualify for compensation under GC 6.3.5. In addition, the Contractor would be entitled to the mark-up specified in GC 6.1.6.**

**Question 174:**

Please refer to T-24-33 Appendix C Form of Contract, GC6.4.1.1 & 6.4.1.2. As the reports are being added to the General Contractors responsibility to determine concealed or unknown conditions, it is unfair that in Appendix A RFT Particulars, item 5, Examination of the Site, that it states that we are not able to rely on the completeness or correctness of the reports provided. Please remove Appendix A RFT Particulars, item 5, Examination of the Site.

**Answer 174: GC 6.4.2 provides that, if site conditions differ materially and this would cause an increase or decrease in the Contractor’s costs or time to perform the Work,**

**an appropriate Change Order/Directive will be issued. In addition, GC 6.4.5 states that the Contract Price and/or Contract Time will be adjusted for conditions which could not have reasonably been ascertained by the Contractor by careful review of the Contract Documents or could not have been reasonably inferred from the material provided with the Contract Documents or the Reports. Please refer to GC 6.4 in its entirety. Section B.5 of the RFT Particulars (Appendix A) will remain.**

**Question 175:**

Please refer to T-24-33 Appendix C Form of Contract, GC6.4.8. Please delete this clause. A reasonable and prudent contractor would not conduct additional geotechnical, subsurface, or other investigations prior to or after the tender closing as standard practice is to rely on the reports provided by the Owner. Furthermore, if the Contractor is responsible to obtain geotechnical information post tender, this would add significant time to the schedule.

**Answer 175: Please see the response to Question 174 above. GC 6.4.8 will remain.**

**Question 176**

Please refer to T-24-33 Appendix C Form of Contract, GC6.5.3. Please revise to read that the Contractor shall be entitled to payment for costs incurred by delays beyond the Contractor's control. Currently the clause reads that, for example, the Contractor would not be delayed if there was a tornado, and the site was shut down. At minimum there are charges the Contractor incurs (i.e., rental of fencing, trailers, etc.) that due to force majeure are beyond the Contractor's control. It is unreasonable that the Contractor shall pay for costs beyond their control.

**Answer 176: *If the Work is suspended beyond the Contractor's control, the Contractor will be compensated under GC 7.1.2. The Owner, acting reasonably, will consider claims for actual additional costs incurred by the Contractor if the Work is delayed under GC 6.5 or suspended under GC 7.1.1, on a case-by-case basis. GC 6.5.3 will remain as is.***

**Question 177:**

Please refer to T-24-33 Appendix C Form of Contract, GC6.5.3. Please remove "in the Owner's sole opinion" from the last paragraph. The abnormal inclement weather should be determined by the historical weather data and the current weather data, not in the Owner's sole opinion of inclement weather.

**Answer 177: *The Owner will consider weather data in assessing whether a delay caused by abnormal inclement weather has occurred, and the Owner will act reasonably in making such assessment. The Owner is agreeable to revising GC 6.5.3 to include the words "acting reasonably" after the words "in the Owner's sole opinion".***

**Question 178:**

Please refer to T-24-33 Appendix C Form of Contract, GC6.5.8. Please revise this clause to include the General Contractors staffing costs and general expenses. Should the project be delayed due to Covid (i.e., governmental shut downs, diminished labour force) the Contractor should be compensated for additional duration as this was beyond the Contractor's control.

**Answer 178: *Please refer to the response to Question 176 above. GC 6.5.8 will remain as is.***

**Question 179:**

Please refer to T-24-33 Appendix C Form of Contract, GC12. Please confirm if the Owner intends early occupancy. If so, please provide the details of such.

**Answer 179: *The Owner intends to occupy the hangar following Substantial Performance of the Contract.***

**Question 180:**

Please refer to T-24-33 Appendix C Form of Contract, GC13. Please reinstate mutual indemnification as this is fair language for both parties.

**Answer 180: GC 13 is the Owner's standard indemnification language and will remain as is.**

**Question 181:**

Please refer to T-24-33 Appendix C Form of Contract, GC14.1.1. Please clarify that the Region only would be able to audit books related to this project as some contractors have sensitive/proprietary information for other clients.

**Answer 181: As specified under GC 14.1.1, the right to audit all books and records relates to books and records relating or pertaining to work performed under this Contract only.**

**Question 182:**

Please refer to T-24-33 Appendix C Form of Contract, GC15.1.1. Please clarify the intent. Is there any software that the Owner requires?

**Answer 182: The Contractor is required to supply and install any software identified in the Contract Documents and/or that is required for the proper control, monitoring and/or functionality of the hangar systems.**

**Question 197:**

Are snow guards required? If yes, please specify the desired assembly.

**Answer 197: *Provide snow guards to eaves of hangar standing seam roof - ColorGard Snow Retention System manufactured by S-5!***

**Question 199:**

In reference to Addendum 4, Question 131, which notes that the stand-off roof system is acceptable, could you please confirm if fiberglass insulation, as per the referenced roof system, will be acceptable in lieu of the specified mineral fiber insulation that includes a separate AVB membrane?

**Answer 199: *Refer drawing A-005 Roof Type R2 issued as part of Addendum 8 which has revised insulation to INS-12 (Specification Section 07 21 00 - article 2.11).***

**Question 201:**

Please provide electrical site plan showing complete run of new duct banks.

**Answer 201: This response was originally provided in Addendum 7:**

***Refer to Addendum 6 E-100. Details for the final portion entering the Training Facility Main Electrical Room will be provided in a subsequent addendum.***

***For the details entering the Training Facility Main Electrical Room, refer drawing E-806 Addendum 8.***

**Question 206:**

Please clarify the following:

1. As per the single line diagram, a generator is shown, but its rating is not provided.
  2. As per the single line diagram, MSB-6A1 is shown, but its location is not shown in layout.
  3. Panel DP-03 schedule is shown in drawing E-901, but it is not shown in the single line diagram. Please confirm whether it is new .
  4. As per layout E100 some lights are shown but the luminaire details are missing. Please confirm if it's in our scope.
  5. The unit scheduled as ASHP-1 has no basis of design and only refers to water flow in its' schedule, while RTU-2 appears as a chilled-water AHU with no actual cooling performance scheduled. There are no entering or leaving air temperatures, only a single value of heating input (per the spec and diagram, the unit is an air-source heat pump with gas heating and an electric pre-heater, which would equate to THREE input values), and there are discrepancies between the spec and control drawings.
- this is a minor point, but the VRF ODU schedule seems to refer to a second VRF condensing unit that is NOT scheduled and doesn't appear on plans. We're going to exclude this, and select as shown in the diagrams. Please advise otherwise.

**Answer 206: Refer items below**

1. This part of the question was responded to in Addendum 7.
2. ***Refer to drawing E-700 issued as part of Addendum 8***
3. This part of the question was responded to in Addendum 7.
4. This part of the question was responded to in Addendum 7.
5. This part of the question was responded to in Addendum 7.

**Question 207:**

Reference CA2: Please advise what trades may be required to attend the independent commissioning, the duration and if their costs will be reimbursed as part of CA2.

***Answer 207: Cash Allowance 2 is to cover only the cost of an independent commissioning consultant who will review and confirm the results of the commissioning of the mechanical and electrical systems completed by the mechanical and electrical trades as part of their work as specified in the individual specification sections.***

**Question 209:**

Reference Section 01 56 00 Temporary Barriers and Enclosures, item 1.4 - Please confirm that the temporary enclosure site is constructed with 38 x 89 mm construction-grade lumber framing at 600 mm centers, and 1200 x 2400 x 13 mm exterior-grade fir plywood in accordance with CSA O121.

**Answer 209: Refer specification section 01 50 00 article 1.7.1. Provide enclosure of the site to protect the public and exclude non construction personnel with hoarding or fencing conforming to article 1.7.1.1. Fence material and height meeting this requirement is acceptable. Wood framing is only necessary if required by authorities having jurisdiction.**

**Question 212:**

Can NUCOR be approved as an alternative vender for the prefabricated building?

**Answer 212: Refer to Answer 231 issued as part of Addendum 7.**

**Question 214:**

Please confirm the required height for the temporary barriers and enclosures as specified in Section 01 56 00, Item 1.4.

**Answer 214: Refer specification section 01 50 00 article 1.7.1. Provide enclosure of the site to protect the public and exclude non construction personnel with hoarding or fencing conforming to article 1.7.1.1. Fence material and height meeting this requirement is acceptable.**

**Question 215:**

Please advise where Exterior Sun Control Devices apply. The item is not shown on the drawings.

**Answer 215 There are no Exterior Sun Control Devices. Specification Section 10 71 13 to be deleted.**

**Question 226:**

The specification mentions: Vodaland Pro200FC channel with galv steel edge and class E ductile iron grating. We normally use load class F load rating for Hanger application due to surrounding vibrations and load intake of Helicopters or any heavy-duty vehicles passing over. Class E is normally applicable for EMS stations and Fire stations. In addition the specification has galvanized steel edge rail which has weaker resistance compared to actual cast iron that match's material of grating. We recommend using ductile iron edge rails with class F load for Hanger application.

**Answer 226: A response will be provided in a subsequent addendum.**

**Question 229:**

Reference section 05 50 00 - 1.3 Summary. Please delete items on 1.3.1.1 to 1.3.1.18 that are not required on this project.

**Answer 229: Review drawings for applicable conditions and coordinate with trades.**

**Question 235:**

ET-1 & ET-2 schedule are blank. Please advise manufacturer and model.

**Answer 235: A response will be provided in a subsequent addendum.**

**Question 239:**

Please advise the fuel tank and foundation are by others or need to be included in our price?

**Answer 239: Fuel tank and concrete pad to be provided as part of Cash Allowance #5. Conduits are part of electrical work by General Contractor.**

**Question 241:**

Also confirm the ampere rating (I assume its 400A) and kAIC ratings to be considered for the breaker.

**Answer 241: This response was originally provided in Addendum 7:**

***For the breaker size refer to subsequent Addendum E-700. For the kAIC rating, match the existing feeder breaker rating.***

***Refer to answer 266 and drawing E-700 issued as part of Addendum 8.***

**Question 248:**

a. After Addendum #3 Q & A 85 is missing to clarify, Could you please confirm?

Question 85:

Please see below needs clarification:

There is a louver spec section :08 91 00, no louvers found on drawings.

Answer 85a: Louvres, including sizes,

**Answer 248a: See the response to Question 85 above, which will be fully address in a subsequent addendum.**

b. I found mechanical screen on roof plan and elevations, no screen section found and no specification. Usually is under division 10. If vision screen require, I attached our most popular model VAC-301 tear sheet and spec.

Answer 85b: Refer detail 11/A501 and Plan A-111. Specification to be issued in subsequent Addendum.

**Answer 248b: Refer Specification section 08 93 13 issued as part of Addendum 8.**

**Question 249:**

We are herewith requesting the proposed 2420 louver product be considered as an acceptable alternative product. It is very similar to the specified product in terms of performance and aesthetics.

Specified Product / Proposed Alternative

Manufacturer: Tenplus Architectural / Ventex Inc

AMCA Certified Water/Air: Yes / Yes

Model: H4451 Stormproof / 2420 Stormproof

Louvre Depth: 100mm / 100mm

Blade Angle: 45 deg / 45 deg

Blade Spacing: 124mm / 124mm

Material Thickness: 2.06mm / 2.06mm

Free Area on 1219 x 1219mm unit: .755 sq m (50.7%) / .756sq m (50.8%)

Construction: Concealed SS Fast / Concealed SS Fast

Accessories/Finish: As per spec / As per spec

**Answer 249: Ventex Inc 2420 is approved as an acceptable alternative.**

**Question 250:**

Roof assembly R2 is noted to be complete with INS-6 and AVB-3, this differs from alternate assembly accepted under Addendum 3, question 131. Architect to confirm what cavity insulation is required. Note INS-6 is mineral wool insulation, this has approximately 2x the loading factor of standard fibreglass cavity insulation.

**Answer 250: Refer answer 199. Roof type R2 insulation has been revised to INS-12.**

**Question 251:**

The Architectural floor plans indicate there should be a plan detail (15/A505) that includes the pre-eng column at GL 1 @ GL E. However it appears this sheet has not been included or issued in any addendum including addendum 6. We are looking to confirm where the stud infill framing is required to sit relative to the Pre-Eng steel column and if any inset girts or struts are required.

**Answer 251: Refer answer 222. Drawing A-505 is issued as part of Addendum 8. Refer detail 17/A-505.**

**Question 253:**

For Electrical, one of the suppliers are requesting whether SimMax can be added to the approved Manufacturer list for this tender. For the 200kW standby unit, they are requesting for SimMax TJUG200PS to be approved. Please advise.

**Answer 253: A response will be provided in a subsequent addendum.**

**Question 254:**

Please reissue the mechanical drawing M-351 of addendum 6, as a lot of the ductwork which was bold in previous drawings has now been issued very faint.

**Answer 254: Refer drawing M-351 issued in Addendum 8.**

**Question 255:**

In Addendum 6, they specified some plumbing fixtures but no brass (i.e.: flush valves, faucets, etc.). Please provide.

**Answer 255: Refer specification section 22 42 00.**

**Question 256:**

On DWG A-201 it says to refer to mechanical for the faucet. But in the mechanical specs and drwgs, there is no mention of the faucet.

**Answer 256: Faucet to be same as L-1 sink - American Standard Colony Pro 7075.100 Metal Lever Handle. Metal pop-up drain.**

**Question 257:**

Please provide specs to quote eye/face wash or showers.

**Answer 257: The emergency eyewash and shower has been specified in specification (Section 22 42 00).**

**Question 258:**

Please confirm if Owner is pursuing Passive House Certification for this project? Re: Performance and Testing Section.

**Answer 258: *While Passive House principles have been utilized in the building's design, Passive House Certification is not being pursued for this project.***

**Question 259:**

Please provide model & trim for sink L-2.

**Answer 259: *Sink L-2 is integral sink by millwork. Faucet to be same as L-1 sink - American Standard Colony Pro 7075.100 Metal Lever Handle. Metal pop-up drain.***

**Question 260:**

Please provide TMV design for eye/face wash/shower.

**Answer 260: *The emergency eyewash and shower has been specified in specification (Section 22 42 00). Refer drawing A-110 for location outside Janitor Room 127.***

**Question 261:**

Please advise the make and model of expansion tank.

**Answer 261: *Expansion tank information is included in Addendum 8.***

**Question 262:**

Please advise the location of UH-6. It seems it was deleted on Addendum 6.

**Answer 262: *UH-6 I is located in Vestibule 101. Refer dwg E-300 issued in Addendum 8.***

**Question 263:**

Please advise the detail for water heater hookup to fixtures.

**Answer 263: *Install as per Manufacturer's installation manual.***

**Question 264:**

Please advise what type of pump, models and make for P-2, 2R,3,4. Is it vertical in-line?

**Answer 264: *Yes. They are vertical in-line.***

**Question 265:**

Please advise on the expected timeframe for the City of East Gwillimbury to review and approve the Pre-Engineered Building design drawings.

**Answer 265: *Review of building permit by all departments is now complete except for structural review of pre-eng package and took 7 weeks. East Gwillimbury was unable to provide time estimate for structural review.***

**Question 266:**

In Addendum #3, the single-line diagram indicates a new breaker in the existing switchboard MSB-6A1. Please provide the make and model of the existing switchboard so we can ensure compatibility when selecting the new breaker.

**Answer 266: *The switchboard is Square D. The manufacturer has advised that PKA36025U33A is the appropriate part number for a new breaker to be added. The equipment nameplate: Serial: 36002885-001, Plant Code: 057, Date 06/16, Type: QED, 50kAIC***



**Question 267:**

Our gas subcontractor has requested clarification on the location of the natural gas generator. Could the engineers please confirm the location or update the drawings to indicate the exact placement of the generator?

**Answer 267: Gas generator to be located as shown on drawing A-002 issued as part of Addendum 8.**

**Question 268:**

There is no specification for standing seam metal roofing, please clarify.

**Answer 268: Standing seam metal roofing and snow guards have been added to pre-engineered building specification 13 34 24 issued as part of Addendum 8.**

**Question 269:**

In SOLID PHENOLIC COMPOSITE WALL PANELS, Specification section (07 42 33) clause: 2.4.1.1.2, it is mentioned that the Panel Nominal Thickness is 10mm for Soffit Applications. However, there is no phenolic soffit on the drawing, please clarify.

**Answer 269: Canopy soffit is aluminum composite panel – refer detail 2/A-500. Delete article 2.4.1.1.2 in Specification 07 42 33**

**Question 270:**

Please confirm the specific area and exact location of undisturbed areas on the site. Our current understanding is that topsoil removal is not necessary in these locations. Please confirm if this understanding is correct.

**Answer 270: Topsoil will need to be removed from entire site and stockpiled for reuse (including excess site area on west portion if used by Contractor - refer note dwg A-002 issued as part of Addendum 8). "Undisturbed area" notation is for Storm Water Management calculation purposes as the existing grades will be maintained in these areas.**

**Question 271:**

What size are the water meter and backflow preventer?

**Answer 271: A response will be provided in a subsequent addendum.**

**Question 272:**

What size is the new compressed air lines and drops?

**Answer 272: The compressor is specified in addendum 8 (Specification: 22 15 00).**

**Question 273:**

L-2 fixture in the schedule on drawing M-900 states it is an integral solid polymer manufactured. Under remarks it states see drawing #8/A-201 for details. Is this sink part of the cabinetry/casework? What about the faucet, no specifications given?

**Answer 273: The sink is integral to millwork countertop as per detail 8/A-201 and specification 206 61 16 article 2.4.3. Faucet is by mechanical - American Standard Colony Pro 7075.100 Metal Lever Handle. Metal pop-up drain.**

**Question 274:**

Would Samsung AM144BXVGFH/AA Heat Pump Condensing Unit be accepted as an alternative?

- 100% of nominal capacity down to -20C for Samsung
- Superior Corrosion resistance for Samsung (3000hr salt spray rating is 3X Daikin's rating of 1000hr)
- Auto staging adjustment the same as Daikin unit specified, but have superior serviceability.

***Answer 274: We do not have any experience with Samsung VRF and are not able to include them as an approved alternate in our specifications. If the contractor wants to present savings associated with using Samsung VRF to the client, we can then evaluate this after tender.***

**Question 275:**

The detail provided on drawing E-801 for the natural gas Genset lacks specific dimensions. Please confirm the required dimensions for the Genset to ensure proper installation and coordination with adjacent elements.

***Answer 275: A response will be provided in a subsequent addendum.***

**Question 276:**

Drawing E-803 includes details for duct banks; however, they are not specific to the Genset, and no clear location of the duct bank leading from the Genset to the endpoint is shown. Please clarify the following:

- 1 Location of the duct bank specific to the Genset.
- 2 Routing and termination point for the duct bank associated with the Genset.

***Answer 276: A response will be provided in a subsequent addendum.***

**Question 277:**

On drawing E-900 Light fixture schedule, it appears that luminaires Z1, Z2, and Z3 are wall mounted. Can you confirm if this is correct?

***Answer 277: Refer to Addendum 8, E-900, Light Fixture Schedule and note column "Mounting". Z1, Z2 are wall, and Z3 is recessed.***

**Question 278:**

On drawing E-900 Light fixture schedule for FL1, please confirm the conduit size required for the feed and whether any bases are required for these luminaires.

***Answer 278: Refer to Addendum 8, E-900, Light Fixture Schedule and note that FL1 is "not used".***

**Question 279:**

For RTU-2 Daikin Specified Model Indicate water source DOAS with hot water coil, we assume RTU-2 served by ASHP-1, however heating schematic (M-702) does not show any connection to RTU-2. Please clarify element and heating spec for RTU-2.

***Answer 279: ASHP-1 is for in-floor heating for the hangar and does not connect to RTU-2 The heating for RTU-2 is gas.***

**Question 280:**

Please clarify If RTU-1 & 2 come with Built-in Has Gas humidifier as show in M-750. Gas Humidifier specification is required.

**Answer 280: *There are no humidifiers on the project.***

**Question 281:**

Please confirm if Fuel Tank & Foundations are required on this tender? Re: Drawing H02.

**Answer 281: *Refer answer 239. Fuel tank and concrete pad to be provided as part of Cash Allowance #5. Conduits are part of electrical work by General Contractor.***

**Question 282:**

Please clarify "1000mm high Brick Walls"? Re: A-111. Elevations show Phenolic Panels.

**Answer 282: *Note has been revised to "1000 high Parapet Wall" on dwg A-111 issued as part of Addendum 8. Refer sections 1 and 2 dwg A-400.***

**Question 283:**

Addendum #6 issued a Gas Meter Assembly on drawing M-704, please clarify the connection points of the mech. contractor, and indicate the type of the devices/valves on the assembly.

**Answer 283: *A response will be provided in a subsequent addendum.***

**Question 284:**

Drawing M-804 shows Precast Concrete Platform Curb? Please clarify.

**Answer 284: *Detail 3/M-804 does reference a precast concrete platform curb but this was taken from a Transit project and is not applicable for this project. The detail is only to indicate the component parts and relative position. Snowmelt contractor to determine final layout including spacing and concrete cover.***

**Question 285:**

What is the dowel spacing requirement out of the foundation walls/slab for the non load bearing masonry walls?

**Answer 285: *Reinforce non-load bearing walls with 15m verticals spaced 600mm centre to centre, with dowels and spacing to match the wall reinforcement.***

**Question 286:**

What is the vertical reinforcement requirement for non load bearing walls? from slab to top of wall? Continuous or just grout dowels at base of wall?

**Answer 286: *Reinforce non-load bearing walls with 15m verticals spaced 600mm centre to centre, with dowels and spacing to match the wall reinforcement.***

**Question 287:**

We seek clarification regarding the windsock depicted on drawing H03 - Aviation Drawings. Specifically, can you confirm if the supply and installation of the windsock is the responsibility of the general contractor?

***Answer 287: Wind Direction Indicator is by General Contractor as noted on drawing H02 item 2.3. Model number is listed in Aviation Lighting Equipment Schedule on dwg H05 and note 'G' in title block provides supplier contact info.***

This addendum shall remain attached to and form part of the Contract Document. Your co-operation in making the above noted changes is much appreciated

Regards,



Cam Menna  
Procurement Analyst, Purchasing Unit  
York Regional Police

cc. File – YRP T-24-33