

QUESTIONS & ANSWERS

Solicitation No. - N° de l'invitation

M7594-125563/A

Amd. No. - N° de la modif.

006

Buyer ID - Id de l'acheteur

pw1030

In response to questions received during the bidding period.

Q1: Do we include the cover page of each amendment through Merx...or write on the tender form how many received?

Response: There is no section provided to note the number of addenda received. It is the sole responsibility of bidders to ensure all documents posted on MERX have been included in the preparation of any offer. Please see Special Instructions SI01 Bid Documents below:

SI01 BID DOCUMENTS

1) The following are the bid documents:

- (a) Invitation to Tender - Page 1;
- (b) Special Instructions to Bidders;
- (c) General Instructions to Bidders [R2710T] (2011-05-16); As amended by paragraphs 3) 4) & 5) of SI01
- (d) Clauses & Conditions identified in "Contract Documents";
- (e) Drawings and Specifications;
- (f) Bid and Acceptance Form and related Appendice(s); and
- (g) Any amendment issued prior to solicitation closing.

Submission of a bid constitutes acknowledgement that the Bidder has read and agrees to be bound by these documents.

Q2. Would you be able to provide a list of "General Contractor" Bidders or please re-direct to where we might locate same?

Response: Access to the Document Request List (GC Opportunities only) is available through MERX. MERX, a subsidiary of Mediagrif Interactive Technologies Inc., owns and operates the MERX service. You can find MERX on-line at www.merx.com

Q3. One of my subcontract sky-lite suppliers has asked me whether this building is a centre that houses "1st Responders".

Response: The facility is to be designed to Part 4 of the NBC for Post-Disaster Construction.

Q4. Is it possible to get an approved product list for use as a bidding aid?

Response: Other than those specifically identified, no materials or products were pre-approved for this project. Materials and products incorporated into the tender submission must meet the criteria outlined in the specifications.

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Q5. The descriptions offered in the glazing spec (088000), curtain-wall spec (084414) and the "Glazing system type schedule" are somewhat lacking in details.

Response: Please pose specific questions that can be answered to provide you with the detail you require.

Q6. Has a specific type of glass product been identified for what is referred to as a "High Performance" insulating glass unit?

Response: Please refer to specification section 08 80 00 Glazing and related section 08 44 14 Aluminum Curtain Wall, Windows and Skylights for information. Section 08 80 00 1.2 outlines Design Requirements; section 2. outlines products.

Q7. Is the glass identified as type 1 (insect 084414) triple glazed with 2 airspaces filled with argon gas? If so what type of Low-E coating is required?

Response: Specification section 08 44 14 outlines performance criteria that glazing systems must achieve. Bidders may provide glazing units of any type as long as the performance criteria outlined in the specification and drawings are met. Drawing A0.02 indicates the Glazing System Type Schedule that defines performance criteria for glazing units based on location in the building. This schedule identifies curtain wall system, visible light transmittance and acoustic performance requirements and references back to the specification for related information.

Q8. Two reflective films are requested what type and what surfaces are they applied on?

Response: Specification section 08 87 54 outlines security glazing films. No reflective films are part of this project.

Q9. The collection of information as it stands now is very confusing and does not explain what G1, G2, G3 and G4 glazing types actually are.

Response: Refer to response from question 6 above.

Q10. Please advise the location of cell phone lockers and gun lockers as specified in 10 51 13.

Locker are 7005 and 8101 indicate lockers but these do not correspond with the specifications.

Response: Gun lockers are located in Storage room #8101 as indicated on drawing A2.01 note #15. Cell phone lockers are located in two places: room #7005 as indicated in plan drawing 4/A7.12 by notes #1 and #2 and room #7001 on drawing 6/A7.12 by notes #1 and #2.

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Q11. Please provide the size of foot grille in room 7008.

Response: Refer to drawing A2.00 Main Floor Slab Plan for size of slab depression for foot grille between grid lines J & K and 1 & 2.

Q12. Two types of corner guards are specified Type 1 and Type 2. The drawing show corner guards per detail 11/A6.17 which is Type 1. Please provide a height for all corner guards.

Response: Corner guards listed in specification section 10 28 00 section 2.8.1 type 1 are to be 51mm x 51mm x 1220mm. Addendum No. 3 to follow to clarify.

Q13. Please advise if any type 2 corner guards are required.

Response: Corner guards listed in specification section 10 28 00 section 2.8.2 type 2 can be found in the A8 series of drawings for Millwork plans, elevations and details. An example can be found on drawing 7/A8.12. Please review millwork drawings for all locations of type 2 corner guards.

Q14. Please provide a height for all corner guards.

Response: Type 1 corner guards are to be 51mm x 51mm x 1220mm. Addendum No. 3 to follow to clarify. Type 2 corner guards are to suit the millwork application. Please refer to the A8 series of drawings for millwork plans, elevations and details.

Q15. Please advise the location of the shades 12 24 13.

Response: Locations of window roller shades as outlined in specification section 12 24 13 will be provided in Addendum No. 3 to follow.

Q16. Door #7101 schedule shows A type frame but drawing indicate a screen. The screen butts up to aluminum screen at door #70018. Please advise the material of this unit. Door #1103 and 1104 shows a type F2 frame. Drawing do not detail this frame type.

Response: Door #7101: Glazing indicated on plan A2.01 is incorrect. Addendum No. 3 to clarify. Refer to drawing 2/A7.11 for interior elevation. Door #7101 is located in a drywall partition.

Doors #1103 and #1104 frame type indicated is incorrect. Change to Frame type 'A'. Addendum No. 3 to clarify.

Q17. Wall types call for 1.52 mm H.R. sheet steel 16 gauge In Specs Section 054100, Material 2-1 Item #2 sheet steel min 20 gauge Question, which should we use 16 or 20 gauge ?

Response: Specification section 05 41 00 section 2.1.2 indicates a "minimum 20ga thickness unless otherwise noted." Provide hot rolled steel in accordance to criteria outlined in section 05 41 00 and thickness' as indicated in drawing wall types.

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Q18. Same wall Types call for R24 (nominal) Mineral wool insulation Can not find manufacturer ..by whom?

Response: Refer to specification section 07 20 00 for insulation performance requirements.

Q19. Acoustic Insulation – Is Fibreglass by Owens Corning acceptable?

Response: Refer to specification section 07 20 00 for performance requirements.

Q20. Sheet steel Calls for Riveted to metal studs. Are self-Tapping screws acceptable?

Response: No self-tapping screws are not an acceptable method to fasten the sheet steel to the studs.

Q21: Is the area of the building under the category of "First Response", if so that would require us to factor into our design?

Response: The building is not a First Response building but is designed and must be constructed as a post disaster building in accordance with the National Building Code part 4.

Q22: The hatched areas adjacent to the skylight you say are Voltaic panels, tell me are they set at an angle that interferes with the wind loading and snow accumulation on the skylight? If so please provide the wind loading and snow loading requirements from the architect as soon as possible.

Response: The facility design has accounted for the dead, live, snow and wind loading implications of the PV panels on the roof. Please refer to specification section 29 05 01 Photovoltaic System section 2.3.2 "The mounting system shall tilt the panels at 10 degrees towards the south." This angle is 10 degrees from horizontal.

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Q23: Building Permit Fees, Development Charges etc.

Development Charges: We checked with the Town of Niagara-on-the-Lake Building Department & they are not too sure whether the Govt. of Canada is exempt from the charge. Can you look into this matter for us as we feel that it would be unfair if we get hit with this charge later. (i.e that the charges may become effective in year 2013).

Response: All Building Permits and Fees are a direct costs that will be reimburse. If it is determined that Development Charges are applicable then they will be reimbursed. No additional comments.

Q24: Section 075423, page 6 item 2.1.6.2 calls for tapered roof insulation. Can you please confirm what slope is to be used (1%, 2% etc).

Response: Roof insulation shall be tapered 2% to roof drains. Instruction to follow in Addendum No. 4

Q25: Is tapered required on the roof canopy bounded by grids H to L and north of the grid line 1? If so there is no indication of a roof drain or scupper location. Please clarify

Response: Yes, tapered insulation is required on this roof canopy between grids H and L along gridline 1. The roof drains towards the east. Roof drain, scupper and elevation details are provided in drawings 6, 7 & 8 on A/6.15. Clarification to follow in Addendum No. 4.

All other terms and conditions remain the same.