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**SOLICITATION AMENDMENT**  
**MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

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<b>Title - Sujet</b> Reconst. Manège militaire Québec	
<b>Solicitation No. - N° de l'invitation</b> EE520-151410/B	<b>Amendment No. - N° modif.</b> 007
<b>Client Reference No. - N° de référence du client</b> EE520-151410	<b>Date</b> 2015-02-16
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$QCM-009-16291	
<b>File No. - N° de dossier</b> QCM-4-37219 (009)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2015-03-05</b>	
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**AMENDMENT 007**

Content of amendment 007:

- Questions and answers : return on #36, #37, #43and #45 + #60 to #193.

**1) QUESTIONS & ANSWERS**

**Question 36**

It is stated in the specifications, Section 33 05 13 on page 4 and 5 (12) that floor sump grates and frames should be of " self level " and those above pavement should be standard. However, the quote indicates, for the self level, standard models (GL-14-24) and for the standard model, level of self. Please confirm

**Answer 36**

Catch basins frames installed in a asphalted areas must be of type "self level" and those installed in off-pavement areas or in cobblestones areas must be "standard" type. If there is a reversal in some models requested in the specifications, the bidder must consider that the "self-level" models must be installed in asphalted areas and the "standard" models must be installed in off-pavement areas or in cobblestones areas. Those specifications will be validated upon approval of shop drawings

\*\*\*\*\*

**Question 37**

Specification reference section 02 65 00 Removal of storage tank. This section contains environmental work elements (contaminated soil disposal), excavation, backfill, etc. Yet it is identified as responsible for the plumbing. Should it not be directly under the responsibility of the general contractor? Similarly, there are no plans to set this work. Please clarify.

**Answer 37**

The general contractor is responsible of those works according to the specifications of the section 02 65 00. See drawing C-008 for approximate location of the tank. The abbreviation attributing those works to plumbing will be removed in addendum.

\*\*\*\*\*

**Question 43**

There is a tank to be removed in Section 02 65 00. Please specify the product that was in the 10,000 liter tank? Is there one tank only? I think there is a generator, Can you specify who should provide the tank? Is it the contractor petroleum product or other division?

**Answer 43**

Consider that there is only one tank to be removed; see drawing C-008 for approximate location of the tank. This tank has been used for petroleum product storage, probably for fuel oil storage. The new tank for the generator, subject of Section 33 56 13, is included in the scope of work of plumbing (see table of contents).

\*\*\*\*\*

**Question 45**

For contaminated soils, must all polygons Rev01 C-08 plane be decontaminated systematically or simply the places that require excavations in the project?

**Answer 45**

This question will be addressed in addendum.

\*\*\*\*\*

**Question 60**

Division 04 05 00, page 7 of 13, article 1.9. In reference to the article previously stated, we believe that it would be preferable that the responsibility for providing the containers be accounted to the general contractor. Please clarify.

**Answer 60**

It's not PWGSC's role to determine who between the general contractor or his sub-contractors is responsible to provide and install these items.

\*\*\*\*\*

**Question 61**

Geothermic: Is the entrance of the geothermic tubing to the building underground? What type of wall must be drilled for the passage of the tubing?

**Answer 61**

Yes, see structural drawings.

\*\*\*\*\*

**Question 62**

Lumber wood structure: is it possible to obtain the details of the assembly or of the loading for the principal trusses. A general note is indicated on the plan, however, the information is insufficient to complete the estimate.

**Answer 62**

The wood connection details are to be designed and provided by the manufacturer. The professionals will comment on shop drawing submitted. The loads required to design the connections will be provided with the next plan issuance. For the time being, to estimate the cost of connections, assume that the efforts in the connection must develop the full capacity of the connected members using hidden connections.

\*\*\*\*\*

**Question 63**

Do the contractors have access to the stones that are stored as indicated on the pages of plan A540 and thereafter? If so, where are they located and what is the procedure in order to visit the site to see the stones.

**Answer 63**

No, the stones are not accessible.

\*\*\*\*\*

**Question 64**

When will the pages that are written "details to come" be available: A435a, A345b, A437, A438, etc.

**Answer 64**

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These drawings will be issued by addendum shortly.

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**Question 65**

Is it possible to obtain a horizontal cross section with respect to page A330, more precisely between levels 2 and 3?

**Answer 65**

No it is not possible at this time.

\*\*\*\*\*

**Question 66**

The document of division 01 29 00 of 16 pages was not attached with the invitation to tender. Please provide it.

**Answer 66**

Section issued by addendum no.2.

\*\*\*\*\*

**Question 67**

In the specifications, article 3.3 in section 02 65 00, it states to perform the excavation work in accordance to section 31 23 10 (excavating, trenching and backfilling). This section of the specifications does not exist. Could the section that is being referred to be section 31 23 33.01? Please confirm.

**Answer 67**

Yes, the section number should read 31 23 33.01. It will be rectified when issuing the specifications for construction.

\*\*\*\*\*

**Question 68**

In this section, the excavation work to remove the existing oil reservoir appears to be included in the work to be done by the plumbing contractor, whereas all the excavation and backfilling work is normally included in the work to be done by the general contractor. Is the trenching and backfilling actually part of the plumbing works? Or is simply the removal of the reservoir and the piping in the plumbing mandate? Could you indicate which subcontractor or general contractor must remove the underground storage tank

**Answer 68**

See response to question 37.

\*\*\*\*\*

**Question 69**

On page M101, on detail 03, it is indicated to see structural plans for the tank. On page S-475, on detail 1, it is indicated to the mechanical plans for the tank. In section 22 10 10, it is not indicated whether it is shop fabricated. Would it be possible to provide the structural details for this tank?

**Answer 69**

See addendum.

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**Question 70**

On page M127, on detail 07, it is indicated to see structural plans for the tank. On page S-475, on detail 1, it is indicated to the mechanical plans for the tank. In section 22 10 10, it is not indicated whether it is shop fabricated. Would it be possible to provide the structural details for this tank?

**Answer 70**

See addendum.

\*\*\*\*\*

**Question 71**

On page M104, detail 01 (reference to detail 10/M127), it is indicated to see the structural plans for the tank. On page S-110c, the tank is not drawn. In section 22 10 10, it is not indicated whether the tank is shop fabricated. Would it be possible to provide the structural details of this tank?

**Answer 71**

See addendum

\*\*\*\*\*

**Question 72**

On page S-110c, between 25-26 and F.4-F.9, it is not indicated that there is a pumping pit provide and installed by mechanical. It would be important to be indicated in order to allow the sub-contractors to plan the excavation for this.

**Answer 72**

Refer to upcoming addendum in structure.

\*\*\*\*\*

**Question 73**

On page S-110c, on axe 28 between E.9-F.4, it is not indicated that there is a pumping pit provide and installed by mechanical. It would be important to be indicated in order to allow the sub-contractors to plan the excavation for this.

**Answer 73**

Refer to upcoming addendum in structure.

\*\*\*\*\*

**Question 74**

On page M115, detail 01, a chimney base to be built is indicated. On page A-115c, there is neither a base drawn nor any detail for the mechanical base. Is it possible to correct this information in order for the roofers and interior system team be up to date?

**Answer 74**

Will be corrected by addendum.

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**Question 75**

In detail 13/M126, it is indicated that the water-heaters are on a 100mm concrete base. On page S-111c, the mechanical base is not indicated between the axes of C.6-D.7 and 27.9-29. Would it be possible to provide the information needed and the dimensions on the structural plans?

**Answer 75**

Concrete bases required in mechanical plans must be built following the typical details on drawing no S-901. For dimensions, refer to mechanical drawings.

\*\*\*\*\*

**Question 76**

On page M010, there appears to be drain pipes to be demolished under the slab. On the structural and architectural plans, there does not seem to be any information pertaining to the breaking and repairing of the concrete for these works. Would it be possible to provide us with this information?

**Answer 76**

All concrete demolition work is shown in structural drawings

\*\*\*\*\*

**Question 77**

FABRICATED METALS: Are the posts and the access ramp (detail 6/A-425) in galvanized steel or stainless steel? In detail 6/A-425 it is indicated 5-040 which is a steel posts for a glass balustrade and in details 4a and ab/A-425, it is indicated 5-031, which is a stainless steel U-post? Please specify.

**Answer 77**

All elements of the posts, plates, bolts, washers and nuts of outdoor railings and handrails are stainless steel.

\*\*\*\*\*

**Question 78**

FABRICATED METALS: Items 5-045 and 5-046, correspond to "gutters" and "downspout". It is indicated to see detail 12/A-432 and 13/A-432. These details are not on these pages. Where are they located?

**Answer 78**

See details on sheet 16 A-423 and the section 17 on sheet A-423. These details and sections are referred on sheet A-422.

\*\*\*\*\*

**Question 79**

Page of plan A-003, site design, small wall type "E", it is indicated to see detail arch. This type of wall appears to be masonry. However, we are unable to find the corresponding detail in the architectural plans. Please clarify.

**Answer 79**

See drawing A-330, elevations 1 and 5 show wall type E. Addendum to come.

\*\*\*\*\*

**Question 80**

FABRICATED METALS: On the plan view 11/A-009.1, we are unable to find details 12,13,14,15,16 and 17/A-009.1, which indicate the information of "see architectural". Would it be possible to better refer the contractors by indicating on which pages the information is provided?

**Answer 80**

Exterior railings and exterior handrails schematically illustrated on landscape drawings are identical types of materials and details illustrated on architectural drawings A-423, A-424 and A-425.

\*\*\*\*\*

**Question 81**

FABRICATED METALS: the ledge of bridge PP1 and PP2 seems to be in stainless steel provided by the contractor of the fabricated metals (example see detail 6/A-423). Items 5-031 and 5-064 are in fabricated metals, but for the rest of the ledge, is it by the fabricated metal stainless steel of 10mm continuous? (Except for the capping of the column and pl top, which is by structural). Please provide more information.

**Answer 81**

All plates embedded in the concrete casting are in structure and the rest of the steel is fabricated metals. See Structural Plans S-479, S-480, S-481.

\*\*\*\*\*

**Question 82**

For the chimneys, it is indicated on modification 003 that they are covered by division 23. Division 23 includes heating and ventilation specialties. Which speciality is to provide them? To conform with the BSDQ, the contractors will only bid on what is indicated on their respective plans of their speciality and cannot exclude a section of the specifications. It is then impossible to know who provided what in their bid when the chimneys are indicated in the plans of 3 specialities (plumbing, heating, and ventilation). Normally, the sub-contractors provide the chimneys related to the appliances they provide. Would it be possible to elaborate on this matter?

**Answer 82**

Prefabricated chimneys, on the drawings series 400, will be the responsibility of the ventilation contractor. Chimneys indicated on plumbing drawings will be the responsibility of the plumbing contractor.

\*\*\*\*\*

**Question 83**

Gas regulator: it would be important to know the exit pressure of each regulator. The indication of a general pressure of less than 14kpa is too vague. Please specify the pressure for each regulator.

**Answer 83**

Refer to natural gas regulator table in drawing M-126.

\*\*\*\*\*

**Question 84**

Gas regulator: four regulators without ducts are asked for. It is OBLIGATORY to install these regulators at a minimum distance of 10 ft from the appliance that will be served since no regulator is perfectly sealed-tight. Please clarify.

**Answer 84**

The regulator will be relocated in the adjacent corridor in upcoming addendum.

\*\*\*\*\*

**Question 85**

Gas regulator: The RPG2 is asked to be 3" but we bid for 2" maximum for its capacity. The size of 3" is extremely expensive and unnecessary. Please confirm if we need to bid with 2" with reduced rings.

**Answer 85**

A 2" regulator is accepted. This will be clarified in upcoming addendum.

\*\*\*\*\*

**Question 86**

Could you provide clear instructions with respect to the extent of the works for the specialities of plumbing, heating and ventilation? For the moment, the responsibilities of each of these are not clearly indicated and this could lead to confusion. Who provides, installs and adjusts numerous heating equipments such as:

- a) Fan coil unit: usually provided by ventilation and adjusted by heating. Is this the case?
- b) Air treatment (serpentine): Usually provided with central air, therefore, provided by ventilation and adjusted by heating. Is this the case?
- c) Humidifiers: usually provided by ventilation and adjusted by plumbing. Is this the case?
- d) Water tower: Sometimes provided by heating and other times by ventilation. They are on the ventilation plans therefore are they provided by ventilation?

Numerous appliances are indicated with numerous specialities (PB, V, Rc) on each section and leads to confusion. Could you indicate on each table of the plans M603 to M606 who is the provider, installer and adjuster of the appliances?

**Answer 86**

Answer to come

\*\*\*\*\*

**Question 87**

ELECTRICAL: The scope of the work is not indicated in the electrical specifications. What is the work limited to? Would you please specify the scope of the work of division 26 in addenda?

**Answer 87**

Electrical works are those required in electrical drawings and specifications.

\*\*\*\*\*

**Question 88**

ELECTRICAL: Could the quantity of lighting fixtures as well as the required type for statement 1.3.1.1 of the 26 50 00 specifications be specified? The type and quantity of lighting fixtures are not evident.



**Answer 88**

Lighting fixtures required in point 1.3.3.1.1 are those indicated on drawings for the designated area.

\*\*\*\*\*

**Question 89**

ELECTRICAL: For the demolition of plans E900 to E905, due to the fact of the presence of lead and asbestos, is the scope limited to cutting the current and the demolition will be conducted by the demolition division or will we need to plan for the removal of the appliances and ducts once the removal of the asbestos has been completed?

**Answer 89**

Removal of electrical equipment and cabling is included in the scope of electrical works.

\*\*\*\*\*

**Question 90**

ELECTRICAL: The following electrical panels are not indicated in the plans E600, thus impossible to know their contents: W-S-L2H1, W-R-L3N1. Please clarify.

**Answer 90**

W-S-L2H1 : panel board is cancelled, refer to addendum No. 1.  
W-R-L2H1 : the panel board schedule is indicated on drawing E-604, refer to addendum No. 1.  
W-R-L3N1 : panel board W-R-L3N1 title in single line diagram to be corrected to read W-R-L6N1.

\*\*\*\*\*

**Question 91**

ELECTRICAL: The following electrical panels are in the plan E600, however, they are not present in the single line E503-E504: E-S-L3N1, W-R-L6N1, C-R-L2N3, C-R-L2N4. Please clarify.

**Answer 91**

E-S-L3N1 : refer to addendum No. 1.  
W-R-L6N1 : refer to answer to question 90 (W-R-L3N1 panel board title to be corrected in the single line diagram).  
C-R-L2N3 : panel board C-R-L2N3 is shown on single line diagram in drawing E503.  
C-R-L2N4 : to be provided in following addendum.

\*\*\*\*\*

**Question 92**

ELECTRICAL: The plans E503 and E504 are annexed in the document "Commissioning Plan" are significantly different from the plans E503 and E504 for tender. Please clarify.

**Answer 92**

E503 and E504 drawings in commissioning plan appendices are provided for reference purpose only. Refer to drawings E503 and E504 issued for tender as well as subsequent addendums.

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**Question 93**

ELECTRICAL: The starters table is not present on the plans. It is unknown who provides the starters as well as the speed regulators. Please specify.

**Answer 93**

Refer to drawings E503 and E504 and to annotation "FIM" and its meaning as indicated in the legend of drawing E-001. If the annotation is not shown, the equipment shall be provided by division 26.

\*\*\*\*\*

**Question 94**

ELECTRICAL: On plan E214, on the back of elevator 3, there are 2 isolating switches without any indication. Please provide the missing information.

**Answer 94**

There is no elevator #3 on drawing E214.  
All disconnects are identified on drawings.

\*\*\*\*\*

**Question 95**

ELECTRICAL: In the kitchen equipment table, plan E-216, the cabling 3#10 to be used for equipment #55 is incorrect. This equipment is connected to a 125A circuit breaker. Please correct.

**Answer 95**

Cabling will be corrected in upcoming addendum.

\*\*\*\*\*

**Question 96**

ELECTRICAL: For the two (2) grading cabinets that are indicated on plan E-605, we are referred to section 26 05 02 of the specifications. This section does not exist. Please clarify.

**Answer 96**

Section number to be corrected to read 27 51 17.

\*\*\*\*\*

**Question 97**

ELECTRICAL: Will the openings and holes in the windows to pass the TECK cables be executed by the general contractor? Please specify.

**Answer 97**

Slots in brick walls are not allowed. Cabling shall be dissimulated in architectural elements provided by architectural division.

\*\*\*\*\*

**Question 98**

ELECTRICAL: With respect to the asbestos, once their removal is complete, will we be exposed to lead and asbestos when drilling in the walls and ceilings for the placement of our equipment and duct work?

**Answer 98**

Yes, as soon as these openings are in contact with cementitious or existing paint materials.

\*\*\*\*\*

**Question 99**

ELECTRICAL: Will the drilling in the architectural and exterior walls be performed by the general contractor or is each of the sub-contractors responsible for their own drilling?

**Answer 99**

Unless indicated otherwise (e.g. note 1 in drawing E-010), drillings for conduits and cables are included in the scope of work of division 26 (refer to item 3.4 of section 26 05 00).

\*\*\*\*\*

**Question 100**

Plan M604: The glycol-water coolers table references section 23 60 00.1 which is not present in the specifications. Could you provide this section?

**Answer 100**

Addendum coming.

\*\*\*\*\*

**Question 101**

Plan M603 The dilatation vases table is incomplete. Could you complete it and provide the capacities?

**Answer 101**

See addendum 2.

\*\*\*\*\*

**Question 102**

There are numerous questions with respect to plan M-335

- a) Plan M- 335 F-axis and close to 10. Could you indicate which equipment is on the line? I believe it is a line air separator. If this is the case, could you provide a brand and model?
- b) Plan M-335.Would it be possible to provide 3D view plan of the mechanical room? Even with the provided cross sections, some parts of the network remain nebulous.
- c) Plan M-335. Could you indicate the diameters of the missing piping, for the sections that connect the appliances? They are not indicated in the two (2) drainage diagrams (M350 and M351). It becomes difficult to guess when they are also not indicated in the equipment tables (M603 to M606).
- d) Plan M335 No specification is provided for the FS1-TR1 and FS1-TR2. Could you indicate them?

**Answer 102**

- a) Addendum coming.
- b) Addendum coming.
- c) Addendum coming.

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d) See addendum 1.

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**Question 103**

The table on plan M603 references Bases and insulators seems incomplete. Moreover, the references in the table (ex P-2, J4, etc) are not found in the specifications.

**Answer 103**

Addendum coming.

\*\*\*\*\*

**Question 104**

With respect to the hydraulic piles drilled to the bedrock for the underpinning (page S-813) the machinery for the bedrock drilling cannot be closer than 400mm from the existing foundations whereas the details portray the piles directly beside the foundation. Please revise the details or the method for underpinning.

**Answer 104**

Refer to addendum no 2. The location of underpinning foundation works is relatively flexible. It is necessary to align piles with the beams' axes. Piles are considered "temporary" work in the context of this project, therefore it is the responsibility of the contractor to submit the manufacturing and the implementation details.

\*\*\*\*\*

**Question 105**

On the architectural plan A-436, supports for the steel curtain wall are indicated (PA-4) and it is indicated "see structural". These supports do not appear on the structural plans. Please detail the supports and indicate which section of the specifications they are related to.

**Answer 105**

Answered in the addenda. Section 05 12 23 applies to these supports

\*\*\*\*\*

**Question 106**

Will the unit price estimate be used for the payment of the civil items, therefore payable with regards to a unit price model or will all these items be payable as a lump-sum model (1 price)?

**Answer 106**

Yes, the unit price estimate will be used for the payment of civil items for which a unit price model is asked for. Items for which no unit price estimate is asked must be accounted for in the lump-sum estimate (Table 1). Please refer to Section 01 29 00 in addendum no 2.

\*\*\*\*\*

**Question 107**

Must we assume that the gasoline reservoir to be removed is empty (exempt from water, gasoline products, or mud)?

**Answer 107**

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Assume that it will be full and that the content inside (water/gasoline products/mud) must be removed and treated.

\*\*\*\*\*

**Question 108**

In the detail of the low wall H on the civil plans (C-X06), there seems to be missing details for the low walls H-1 and H-2. Please clarify.

**Answer 108**

Low walls H-1 and H-2 are different than low walls H-3 to H-20. They are an integral part of wall F. You will find them therefore on C-X04.

\*\*\*\*\*

**Question 109**

There does not seem to be any detail pertaining to the finish on the low wall E in the architectural plans (les civil plans suggest a stone finish). Please specify.

**Answer 109**

Refer to drawing A-330, elevations 1 and 5. Addendum to come with more details.

\*\*\*\*\*

**Question 110**

Fence: Due to the fact that the fence on the low wall A will have a variable height and the recovered fence has a constant height, will be permitted to modify the recovered fence (cut, new welding, etc) in order to provide what is asked? Will the recovered fence that will be adjusted and installed need to be completely painted?

**Answer 110**

Yes to both questions, as stated in the specifications.

\*\*\*\*\*

**Question 111**

With regards to the exterior furnishing, how many waste receptacles and bike support sections will need to be accounted for? Please specify.

**Answer 111**

You must provide three (3) waste bins, two to the terrace and one (1) to the space near the artwork. The bike rack should fit to the dimensions of the shelter. Provide and install one (1) ashtray instead of two (2). An addendum will be produced to clarify the requirement.

\*\*\*\*\*

**Question 112**

On the civil plans, the bottom of the slab in the central section is at +/- 90.12. However, in the geotechnical study, the start of the drilling is at +/- 90.34. Why is there a discrepancy between the information presented?

**Answer 112**

For geotechnical information (including rock levels) refer to the levels given in the geotechnical studies.

\*\*\*\*\*

**Question 113**

Does the item 25.1.1 of the cost estimate "piping of gas lighting" include the disposal of this piping?

**Answer 113**

Yes.

\*\*\*\*\*

**Question 114**

On the plans C-003 and referencing the 19mm pipe, it is indicated to refer to the furnishing plans and/or plumbing. However, these sections do not contain the information concerning the connection of the 19mm aqueduct to the wall. To be clarified.

**Answer 114**

Refer to installation detail in upcoming addendum in plumbing.

\*\*\*\*\*

**Question 115**

Must a valve close to the future BF located on the east of the site be installed?

**Answer 115**

No, only at the " T " located in the East alley.

\*\*\*\*\*

**Question 116**

What diameter must the connection be of the dry well? In the specifications, it is indicated 200mm however, in the details on the plans, it is specified to be 150mm for a 14x24 grid.

**Answer 116**

200mm. Detail will be corrected by addendum.

\*\*\*\*\*

**Question 117**

Do the items 25.4.2 "Curbs" and 25.4.3 "Sidewalk or concrete slab" of the price table include the 1st and 2nd class excavations? If not, where would these excavations be payable?

**Answer 117**

1st and 2nd class excavation, backfill, subgrade preparation and subgrade materials are always included. Please refer to section 01 29 00 for the payment model.

\*\*\*\*\*

**Question 118**

To which article will the sidewalks-slabs located in the bike-shelter and container area be payable to?

**Answer 118**

These works are payable as a lump-sum model, please refer to Table 1 of the lump-sum prices.

\*\*\*\*\*

**Question 119**

Will we need to perform the paving (following the work done by the city) of avenue Wilfred Laurier? If yes, will this quantity be payable to the applicable items of the civil estimate? If the city is responsible for the installation of the new services, will the contractor be asked to redo the roads, the sidewalks, the curbs as well paving? Please confirm.

**Answer 119**

No. The city of Québec will realise the subgrade and paving work as required by the works conducted by the city shown on C-003. The new services will be brought up to the right of way of the Armoury. The contractor will be paid according to the unit price estimate for the rebuilding of the sidewalk and the repair of the road gutter. The paving required to repair the road gutter will also be payable according to the unit price estimate. However, any work that exceeds the limit of repair of the road gutter because of the contractor methods will be at the expense of the contractor.

\*\*\*\*\*

**Question 120**

Which detail is to be respected with regards to the drain of the pavement foundations (in the parking lot)? Please clarify.

**Answer 120**

Detail will be issue by addendum.

\*\*\*\*\*

**Question 121**

Dynamiting is forbidden in the interior of the building, however, is it permitted to use dynamite for the exterior of the site (trenches and infra)?

**Answer 121**

No.

\*\*\*\*\*

**Question 122**

Unit price table:

- a) Where is item 25.4.7 applicable b) " 150mm foundation drain " of the civil estimate?
- b) Is item 25.4.8 " Ballast 100-300mm " is for spillway of the NBC parking lot?

**Answer 122**

- a) As needed, under certain portions of wall. To be determined during construction works.
- b) Yes

\*\*\*\*\*

**Question 123**

Does Canada own land other than the work site and place George V for the storage of temporary materials such as contaminated soils? If so, what are the renting modalities (costs, obligations, etc)?

**Answer 123**

No other space will be available for the storage of temporary materials.

\*\*\*\*\*

**Question 124**

For the 2 vapor piping to decommission, are the diameters was well as the nature of these pipes known?

**Answer 124**

One 4 inches (steam) pipe and one 2 inches (condensed). The pipe material is unknown.

\*\*\*\*\*

**Question 125**

There seems to be an error with regards to the scale of the civil plans (not exactly 1:250). To be verified.

**Answer 125**

After verifying, we couldn't find notable differences on the plans at scale 1:250.

\*\*\*\*\*

**Question 126**

Does a temporary power supply need to be accounted for with regards to the east building of the Armory?

**Answer 126**

Refer to item 1.7 of section 01 51 00.

\*\*\*\*\*

**Question 127**

Specify the piping numbers for the public utilities at the entrance of the building.

**Answer 127**

Refer to sections on drawing E-021.

\*\*\*\*\*

**Question 128**

Specify the amount and diameter of the piping for the public utilities in the transformation base area.

**Answer 128**

See indications on drawing E-010 and on single line diagram of drawing E-503 (2x115 mm for medium voltage and 8x115mm for low voltage).

\*\*\*\*\*

**Question 129**

Unit price table:



- a) Item 24.3 " Temporary storage " in the civil estimate, if the materials placed in temporary piles are sent to the processing site, will we be paid for the item's temporary storage as well as the processing?
- b) In the opposite scenario, if the non-contaminated materials are replaced on the site, will materials that are placed in temporary piles be payable to the item of temporary storage?
- c) Could you add the item " class 2 complementary backfill " to the estimate in the case where there is a lack of material for the backfilling?

**Answer 129**

- a) If the materials have been placed in piles for processing at the request of a Departmental representative, yes. See articles 1.6.6 of 01 29 00: "Temporary storage of soils (non characterized sectors" - This article is only valid for the temporary storage of contaminated soils that have not been characterized before as per the management of contaminated soil plan, and in cases where there is a difference in real reusable quantities of contaminated soil compared to the anticipated volumes as described in the management of contaminated soils plan, thus requiring temporary storage.
- b) If the materials have been placed in piles for processing at the request of a Departmental representative, yes.
- c) No. Managing, optimising and evaluating the excavation and backfill material necessary for the earthwork of the site is the responsibility of the contractor. In case you anticipate the need for complementary backfill, please estimate the volumes required and include them in your proposal. Please also consider that excavated materials that are contaminated below the levels recommended by the CCME for commercial usage have to be prioritized in the use as backfill.

\*\*\*\*\*

**Question 130**

Do the 1050mm (ventilation ducts) pass under the existing foundation wall? Could you provide a cross section for the installation of these tubes (embedment, wall anchoring, reinforcement, etc)?

**Answer 130**

The ventilation ducts (1050 mm in diameter) go mainly through the foundation wall and not underpinning the foundation walls footings.

\*\*\*\*\*

**Question 131**

On the plans C-X07, there is a detail of the anchorage to the bedrock that references a plan view for the location. Where is this plan view?

**Answer 131**

Will be issued by addendum.

\*\*\*\*\*

**Question 132**

Could the section of the specifications for the expanded polystyrene insulation blocks 2450x1200x600 be provided?

**Answer 132**

Will be issued by addendum.

\*\*\*\*\*

**Question 133**

In the addenda 001, electrical section, a detail of a lamppost was issued. It is indicated that the structural division will provide the concrete base. Will structural provide the base or the civil division (31, 32 and 33)?

**Answer 133**

The sentence "by structural division" to be corrected to read "by civil division".

\*\*\*\*\*

**Question 134**

Geothermic:

- a) The trench type section for the geothermy demonstrates an insulation under the piping that references the civil section. Is this insulation required?
- b) Does the slope of 3H: 1V have to be respected near the well or only in the principal trench.
- c) For the geothermic trenches located in the bedrock, are the slopes of 3H: 1V required?

**Answer 134**

- a) The insulation shown is required and must be put in place. Quantities and costs related must be included in Table 1 of the lump-sum price estimate. See Specifications for technical requirements of the insulation.
- b) See article 3.9, section 31 23 33.01. The slope 3H : 1V are necessary everywhere to insure the good behavior of the paving.
- c) See article 3.9, section 31 23.01

\*\*\*\*\*

**Question 135**

Are the slabs for the draining channel payable to the civil estimate?

**Answer 135**

These works are payable in Table 1 of the lump-sum prices. See C-007 and Specifications, section 01 29 00.

\*\*\*\*\*

**Question 136**

With respect to the exterior retaining low walls, is the foundation drain, waterproofing of the wall and rock as well as the insulator on the wall required (detail on plan C-X07)?

**Answer 136**

Yes.

\*\*\*\*\*

**Question 137**

For the exterior drainage of the foundations, are there observation wells for the drain? If yes, is there a detail to respect?

**Answer 137**

There are no observation wells requested.

\*\*\*\*\*

**Question 138**

For the exterior furnishings, are there signal panels to account for? If so, where can we find this information?

**Answer 138**

No sign is included in the scope of work.

\*\*\*\*\*

**Question 139**

The plans for the drainage of the interior foundations of the West wing seem to be missing. Please validate if the plans that were provided are complete.

**Answer 139**

See addendum.

\*\*\*\*\*

**Question 140**

Reference: specifications sections 02 41 16, 02 41 17 (pages 3 to 14), 04 03 31 and 04 03 43. Please specify the scope of the demolition and masonry work due to the fact that there seems to be overlapping of certain sections of the specifications

**Answer 140**

All specification sections are interrelated. The entirety of the masonry demolition works is shown in the drawings and detailed in the specifications.

\*\*\*\*\*

**Question 141**

Reference: plan M-603 et specification section 23 21 14, dilatation vases table

- a) There are only two expansion reservoirs to have data regarding the size of the reservoirs, RD1-GEO-B00 and RD1-GLF-B00, whereas there is no information provided regarding the other three. What are the specifications for the other three reservoirs?
- b) Are the values indicated in the table the volume of acceptance of the reservoir or the total volume of the reservoir?

**Answer 141**

- a) See addendum 2
- b) Addendum coming

\*\*\*\*\*

**Question 142**

Reference: plan M604 for the glycol-water coolers as well as sections 23 64 19 and 23 64 26 of the specifications

- a) In the glycol-water coolers on the plan M604, there is a mention of the section 23 60 00.01 in the specifications. This section of the specifications is not provided with the invitation to tender documents.
- b) In the table of the glycol-water coolers of plan M604, for the winter conditions, for the thermo pumps TP1@5-ERP-B00, the temperature of the exit water (source) is of -4.4 degrees C. Is there a risk of the water freezing in the thermo pumps at this temperature?
- c) In the specifications, section 23 64 19 applies to which equipment (tag number) in particular? Is this regarding the 5 thermo pumps TP1@5-ERP-B00?
- d) In the specifications, section 23 64 26 applies to which equipment (tag number) in particular? Is this regarding the 2 thermo pumps RF1&2-GLF-B00?

**Answer 142**

- a) Addendum coming.
- b) See note to table.
- c) Yes
- d) Yes

\*\*\*\*\*

**Question 143**

Reference: Architectural plans A-010 to A-014, in the cartridge, directly above the page number on each page it is written "scale: as indicated". However, there is not scale indicated. Please clarify.

**Answer 143**

These drawings are Scale 1:200

\*\*\*\*\*

**Question 144**

In section 07 52 00 of the specifications:

- a) Article 2.3.2 there is mention of a membrane equivalent to Soprapap'R, but article 3.7.2 discusses sticking the slope insulation to asphalt. We cannot use asphalt to glue on the membrane. Please clarify.
- b) Article 3.7.3 states to stick the support panel using adhesive. Would having one procedure be optimal, using adhesive or asphalt? Please specify.
- c) Article 3.7.4 states to weld the under layer. However, the membrane described in article 2.4.1 is a membrane to be glued using asphalt (and in any event, prelate panels cannot be welded on). Please clarify.
- d) Article 3.7.1 states to install the insulation mechanically and article 3.7.2.1 states to glue using asphalt. Which method should be used? Please specify.

**Answer 144**

See addendum to come.

\*\*\*\*\*

**Question 145**

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In the specifications, section 07 52 00, there is a reference to section 07 09 23 (roof expansion joint). Is there a referencing error or is there a section of the specifications that is missing?

**Answer 145**

It's a referencing error. The reference will be deleted in an upcoming addendum.

\*\*\*\*\*

**Question 146**

Is the plumbing contractor responsible for providing the underground piping for the gas? Usually, the work is restricted to a maximum of 1 meter of the building. Please specify.

**Answer 146**

Provision and installation of underground gas pipes is included in the scope of plumbing works. Excavation and backfilling are included in the scope of civil works.

\*\*\*\*\*

**Question 147**

In plan M-350, numerous items are not described in the legend. What are they? Please specify. Moreover, there are numerous diameters that are missing. Will a future addendum specify all the missing information?

**Answer 147**

Addendum coming

\*\*\*\*\*

**Question 148**

Plan M127, specification 22 13 17 p.5

There is a mention of bronze faucets and flappers for the pressured piping for the drainage system such as the refilling of the submersible pumps. However, in the specifications, section 22 10 10 there is a mention of PVC valves that must be preassembled with the pipes and other accessories in the factory. Which valves must be used?

**Answer 148**

Use PVC type check-valve as indicated in section 22 10 10.

\*\*\*\*\*

**Question 149**

Specification 23 05 23 P. 6

Please indicate which kind of gate-valve to use for ½ to 2 in diameters (rising stem or fixed stem?). There is a significant difference in the prices of these models. This table is found in section 23 21 13 p.7.

**Answer 149**

Addendum coming.

\*\*\*\*\*

**Question 150**

Plan M335

Axis F and 14

An appliance is connected by the network GLY and ERS but there is no identification and it does not appear on the schematic of plan M350. What is it? It seems to be a fan coil but after a verification of the fan coils on the plan M605 versus the ones in the tables they all are accounted for. Could the diameter of the connection GLY and ERS be indicated for this appliance?

Axis F and 15

For the 100 system, it seems that the attenuator should be identified SG1-100-B00 instead of SF1.

Axis F and 12

- Where are RDI-ERS-B00 and PG1-ERS-B00 located for the ERS network? They can be seen in the schematic plan M350 but not on M335.
- Where are RDI-CBT-B00 and PG1-CBR-B00 located for the ERS network? They can be seen in the schematic plan M350 but not on M335.
- Where are RDI-GLF-B00 and PG1-GLF-B00 located for the ERS network? They can be seen in the schematic plan M350 but not on M335.

**Axis F and 8**

- Could you indicate the manifold's and ERS and CBT lines' diameters and provide details of the connection with the required accessories (valves, flapper, manometer, thermometer, etc.)?
- Could you indicate the diameters of the connections of the following devices: SF1-104-B00, SF1-103-B00, EC1-CBT-B00, PO1 and PO2-GLF-B00, PO1 and PO2-ERS-B00, EC1-ERS-B00, EC1-GLY-B00, EC2-GLY-B00, EC2-ERS-B00, SF-101-B00
- Could you indicate the purpose of the network that is not identified and connected to the EC2-ERS-B00 equipment? Two grey squares are unidentified as well as a pump P01-ERC-B00 and a grey rectangle between axes 16 and 17. Is the heating contractor responsible to provide the network? If yes, please identify the devices that are present as well as the specifications and the diameters of the connector lines. Also provide the details of the connection.
- The connection of the TP1 to TP5 (glycol-water cooler) are 75 mm on the plan M336 and are 50 mm on the plan M350 for the network of GLF and CBT. Which diameter is correct?

**Answer 150**

See addendum.

\*\*\*\*\*

**Question 151**

Plan M335 and M350

Could the diameters of the connections for the hot and cold reservoirs be indicated? They are identical but with the available information, we can assume that the hot reservoir RS1-CBT TO 200 mm connections and the cold reservoir RS1-GLF to 75 mm connections. Is this correct?

**Answer 151**

Addendum coming.

\*\*\*\*\*

**Question 152**

Schematic M350 of the connections of TP1 to TP5

Could the diameters of the connections of the sand filters FS1-TR1-B00 and FS2-TR2-B00 be indicated? A detail bubble 1 for the pumps of TP1 to 5 reference detail 1 on plan M361 that is a pump with a base although it is obvious on section C on plan M366 that they are line pumps. Could details be provided for the line pumps?

**Answer 152**

Addendum coming

\*\*\*\*\*

**Question 153**

Plan M321

Please indicate the diameter of the connection of the attemperator SC1-110-A02

**Answer 153**

Addendum coming.

\*\*\*\*\*

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**Question 154**

Plan M322

The appliance should be identified VC-108-A02 instead of SF1

**Answer 154**

Addendum coming.

\*\*\*\*\*

**Question 155**

Why the Bureau des Soumissions Déposées du Québec (BSDQ) closing date has been advanced?

**Answer 155**

It was advanced at the request of PWGSC.

\*\*\*\*\*

**Question 156**

Plan M330 Axis E and 23

Could you indicate the diameter of the manifold and the diameter of the line of ERS and CBT and provide details of the connection with the required accessories (valves, flappers, manometer, thermometer, etc.)?

**Answer 156**

Addendum coming

\*\*\*\*\*

**Question 157**

M330 and M600 section K

To which network does the identification se 150 mm and SE200 mm refer to? It does not seem to be on any of the other related plans.

**Answer 157**

Disregard. Fire protection pipe.

\*\*\*\*\*

**Question 158**

Plan M336 section A

The connections of the two coolers RF1 and RF2 are 100mm whereas on the schematic plan M350, they are 50mm. Which diameter is correct? Could a detail be provided of the connection of the coolers RF1 and RF2? We do not see them on any of the cross sections shown.

**Answer 158**

Addendum coming.

\*\*\*\*\*

**Question 159**

Plan M361 detail 7



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Please indicate which detail applies to each type of baseboard (A to E). Moreover, certain baseboards are supplied and returned on the same side which is different from the details of this plan. Certain types are supplied and returned of 25 mm instead of 19 mm? Could you explain?

**Answer 159**

Addendum coming.

\*\*\*\*\*

**Question 160**

Plan M360 details 5 and 6

Could you indicate on the plan the locations where types of anchorage are needed? None are mentioned.

**Answer 160**

Addendum coming.

\*\*\*\*\*

**Question 161**

Plan M341 Axis 29

Please indicate the diameters of the connections of the equipments SC1-203-C01, SF1-203-C01, SF1-201

**Answer 161**

Addendum coming.

\*\*\*\*\*

**Question 162**

Numerous dimensions of certain pipes are missing throughout the plans. On plan M-335 there is a line of CBT-A 200mm that transforms for no apparent reason into GLY-R 100mm. Please clarify this element and provide the dimensions of the pipes indicated in the diagram.

**Answer 162**

Addendum coming.

\*\*\*\*\*

**Question 163**

In the specifications, the monobloc air units are identified under the responsibility of the ventilation contractor and plumbing/heating. Who must provide these elements? Specify.

Same for the fan coils? Specify

Same for the humidifiers? Specify

**Answer 163**

See question/answer 86.

\*\*\*\*\*

**Question 164**

Would it be possible to have a list of attendees to both the bidder's conference and the site visit?

**Answer 164**

Here is the list:

<b>Nom d'entreprise // Company name</b>	<b>Présent à la conférence des soumissionnaires // Present at the bidder's conference</b>	<b>Présent à la visite des lieux // Present at the site visit</b>
ASBEX		X
Avantage Sport	X	
Briquetel Ltée.	X	X
CAF		X
Ceemex Urbain inc.	X	
CFG Construction		X
Clôture Berco		X
Clôture Provinciale		X
Construction Edguy	X	
Construction et Pavage Portneuf	X	X
Construction L.F.G.	X	
Construction Michel Gagnon		X
DELSAN-AIM		X
EBC inc.	X	
Entreprises PNP	X	
Evergreene Architectural Arts	X	X
Forage FTE		X
Gervais Jacques	X	X
Gicleurs Québécois	X	
Groupe Atwill-Morin	X	
Groupe Beaudoin	X	X
Groupe Décarel	X	X
Groupe Éclair		X
Groupe Minville		X
Gycleur Quebec		X
Gypse Promark	X	
Gyptech Acoustique		X
Heritage Grade	X	
Impact Échafaudage		X
Lafontaine inc.	X	X
Lambert Somec	X	X
Lari Construction	X	X
LFG		X
Maçonnerie Dynamique	X	

Nom d'entreprise // Company name	Présent à la conférence des soumissionnaires // Present at the bidder's conference	Présent à la visite des lieux // Present at the site visit
Maçonnerie Savoie	X	
Maxi Paysage		X
Menuiserie Authentique	X	X
Mobile	X	
Pierre Boily Électrique inc.	X	X
Plomberie Pichette	X	
PNP		X
Pomerleau	X	X
Promark		X
Pro-Sag Mécanique	X	
Rainville & Frères Inc.	X	X
Raoul Beaulieu inc.	X	
Regulvar	X	
Revenco	X	X
Samson & Frère		X
SIEMENS		X
Sierra Monde	X	
Solotech	X	
St-Denis Thompson	X	X
Toiture 4 saisons		X
Toiture Falardeau		X
Toitures R. Martin Ltée	X	
Tuyauterie NRJ	X	
Unigertec	X	X
Verreault inc.	X	X

\*\*\*\*\*

**Question 165**

The section of the specifications for the removal of the underground oil reservoirs is the responsibility of the plumber. However, it is implied in this section that the excavation and the backfilling are the responsibility of the plumbing contractor. The excavation and the backfilling are the responsibility of the general contractor for the rest of the project. Why include this section for the plumber? Specify.

The same situation for the oil demolition works: nothing is indicated on the mechanical plans. Please specify.

**Answer 165**

Tank removal is not included in the scope of plumbing works. Correction to be made to table of contents in upcoming addendum.

\*\*\*\*\*

**Question 166**

In the specifications, it is specified that the floor drains must be primed with an automatic trap seal primer PPP. However, it is also indicated to place trap guards in the drains. Is it necessary to put both? Specify.

**Answer 166**

Refer to section 22 42 01, articles 3.7 and 3.8 of the specifications.

\*\*\*\*\*

**Question 167**

There is no detail for the connection of the unit heaters. Specify

**Answer 167**

See addendum 3.

\*\*\*\*\*

**Question 168**

On the plan M113, on note 10, there is no diameter for the pipe. Please specify.

**Answer 168**

Refer to detail 02 of drawing M-126.

\*\*\*\*\*

**Question 169**

Plan M113 and M123 the generator's chimney is made of what material? Specify.

The chimneys are under the responsibility of which contractor because in the specifications it seems to indicate the plumbing/heating contractor must take care of them however, the chimneys are only indicated on the ventilation plans. Specify.

**Answer 169**

Refer to item 2.2 of specification section 23 51 00.

As indicated on drawings, generator and water heater chimneys are included in the scope of plumbing works.

\*\*\*\*\*

**Question 170**

Plan M010 note 3 stipulates that the ventilation/heating appliances must be removed by division 23. However, which contractor of division 23 is responsible for this work?

Same situation on plan M011 note 1.

Specify.

**Answer 170**

For the demolition of heating/ventilation equipment, refer to related demolition drawings.

\*\*\*\*\*

**Question 171**

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On plan M350 the piping diagram, numerous diameters shown on the plan are different than those shown in the cross sections. An example of this is in the piping diagram, the piping connecting the thermo pumps is indicated as 2 inches in diameter, and however, on the plan M-336 the same connecting pipe is indicated as 3 inches. Specify.

**Answer 171**

Addendum coming.

\*\*\*\*\*

**Question 172**

Is it possible to provide a table with the specifications of the air separators shown on plan M-335 and others?

**Answer 172**

See addendum.

\*\*\*\*\*

**Question 173**

Plan M330.

There seems to be 6 pipes that are directed to the inferior floor, the basement of the West section. The continuation of this path is not shown on the plans or on the cross sections. Moreover, due to the abundance of pipes in this location, it is difficult to know which pipes belong to which network. Please specify.

**Answer 173**

No pipe goes to the floor below. M-330 is the lowest level. See cut.

\*\*\*\*\*

**Question 174**

Plan M335.

In the centre of the page, there is equipment that is not identified and there is no connection diameter.

**Answer 174**

See addendum 3.

\*\*\*\*\*

**Question 175**

The partitions of the elevator shaft of the East wing are identified as being made of gypsum on the architectural plans (A-110a). However, on the structural plans 2/S-472 and 1/S-471, the walls of the elevator shaft seem to be made of concrete. Please specify.

**Answer 175**

Architectural plan will be corrected, structural plan is correct.

\*\*\*\*\*

**Question 176**

What composition of the wall must we consider for the exterior wall on the C-6 axis between the axis 27.1 and 24? Cross section 3/A-312 references detail 4/A-414, which indicates a wall type ME-3. However, details 7 and 8/A-332, the cladding that is indicated is cement-fibre panels. Please specify.

**Answer 176**

Wall composition should be ME-15, see addendum 3.

\*\*\*\*\*

**Question 177**

What type of wall composition must be considered for the exterior wall located on axis E.6 between axis 23.8 and 26?

**Answer 177**

Wall composition ME-14.

\*\*\*\*\*

**Question 178**

Is the composition really ME-5 on detail 2/A-463?

**Answer 178**

At detail 2/A463, replace typical assembly type ME-5 by PA-5.

\*\*\*\*\*

**Question 179**

In reference to the specifications, section 23 07 15:

- a) Article 3.5.3: states cotton lining for the piping that are dissimulated, non apparent (ceiling, partitions). Please confirm that this is applicable because it is unusual.
- b) In table art. 3.4.3.4 & .5: pluvial, it is mentioned "pluvial water on a distance of 5m form the roof, for horizontal ducts, thickness..." Please confirm if this means that horizontal lines before the descent are included or only 5 m. from the roof.
- c) In table 3.4.3, geothermic piping is not mentioned. Please confirm if it needs to be insulated, if yes, to what temperature.
- d) In table 3.4.3: the humidifier vapor piping is not mentioned. Please confirm the temperature.
- e) Confirm if the water tower is insulated because it is not in the table.
- f) Are the PAF and SAF of the water heater and generator evacuation made of double walled connectors, or must they be insulated? If insulated, by which contractor and what type of insulation, thickness, and finish?

**Answer 179**

- a) Jacketing is not required for concealed pipes. Refer to upcoming addendum.
- b) It is 5 m horizontally from roof until the first vertical column.
- c) Yes, -4.4°C at 50°C
- d) Steam at 100°C
- e) Yes.

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- f) Water heater fresh air input shall be insulated (upcoming addendum). Water heater and generator chimneys shall be preinsulated (refer to section 23 51 00).

\*\*\*\*\*

**Question 180**

Reference to specification, section 23 07 13:

- a) Article 2.3.1, mentions PVC lining and article 2.3.2 states cotton lining. Please confirm which apparent ducts are covered in cotton.
- b) In table, article 3.4.1; it is mentioned to insulate the air supply ducts. Is it all the supply ducts? Does this also include the ducts that have an acoustic insulation?

**Answer 180**

Addendum coming.

\*\*\*\*\*

**Question 181**

Reference to plan M-433:

In ventilation, are the supply ducts of the central part, level 3 considered apparent with finish?

**Answer 181**

Yes.

\*\*\*\*\*

**Question 182**

Reference to plans M-103 and M-104:

The drainage equipment (note 1) on plans M-103 between axes A1 and B5, and those on plans M-104 axis 31, are what type? They do not seem to be part of the ventilation or heating systems. Please specify.

**Answer 182**

These equipment are vertical fan coils.

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**Question 183**

Reference to plans M-350 and M-351. Please provide the diameters to the diagrams of the piping of these plans.

**Answer 183**

See addendum 3.

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**Question 184**

Please confirm if the hot pumps, the expansion reservoirs, the plate heat exchangers and the reservoirs RCI-CBT-800 and RS1-GFL-BOO must be insulated. If yes, please indicate the type of insulation and lining.

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**Answer 184**

Addendum coming.

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**Question 185**

Reference page of plan A-016, "north" elevation, cross section 1/A-403a and 3/A-403a. We believe that the masonry work of the cross sections cited in attachment applies to the three other sides of the perimeter of the roof and the two square towers (east and west). Is this correct? Please confirm.

**Answer 185**

Yes, that's correct.

\*\*\*\*\*

**Question 186**

In the section 02 82 00.03, it is indicated that the section must be read jointly with sections 04 30 06, 09 01 20, 09 03 51 and 06 03 15, but section 02 82 00.03 is not mentioned. Please indicate section 02 82 00.03 in the list of sections.

**Answer 186**

Addendum to follow.

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**Question 187**

Only sections 04 03 06, 09 01 20, 09 03 51 and 06 03 15 are cited in the section 02 82 00.03, does this indicate that only the work that is mentioned in these sections must be completed in the conditions of maximum precaution against asbestos?

**Answer 187**

NO, the scope of work is partly presented in section 02 82 00 03 and relates to all the interventions involving asbestos containing materials and lead paints. Specifically, article 1.1.2 of Part 1 - GENERAL of section 02 82 00 03 states:

*"The description and scope of work to be conducted under this project are defined below. Work areas and the list of work to be done have been determined based on existing conditions found during our inspection, as well as information and requirements. The description and scope of work herein are provided for information only and do not necessarily constitute an exact and full scope of the work and interventions to be performed. Interventions, tasks, and work to be performed are more precisely defined on the demolition plans and the specifications. During the site visit, the Contractor has the responsibility for assessing the tasks and work to be performed and for bidding based on the conditions encountered."*

\*\*\*\*\*

**Question 188**

Does all the interior work in the West and East wings have to be completed under high precautions against asbestos?

**Answer 188**

Yes, considering the quantity of materials to be treated and their location, high-risk work areas are required. The approach concerning the elaboration and construction of high-risk work areas can be found in article 1.1.3 of Part 1 - GENERAL of section 02 82 00 03.

*"In this respect and in as many areas of work as needed and where needed, the Contractor shall define high-risk work areas to carry out the demolition, brushing, curettage, surface cleaning and*

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*stabilization of materials (cement, plaster) covering the walls. This work shall be performed in accordance with high risk indoor work requirements presented in this document."*

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**Question 189**

Must all the exterior work of the whole building must be completed under high precautions against asbestos?

**Answer 189**

Yes, high risk outdoor work is required for the central portion and more than one zone may be needed. The approach concerning the elaboration and construction of high-risk outdoor work areas can be found in article 1.1.3 of Part 1 - GENERAL of section 02 82 00 03.

*"In this respect and in as many areas of work as needed and where needed, the Contractor shall define high-risk work areas to carry out the demolition, brushing, curettage, surface cleaning and stabilization of materials (cement, plaster) covering the walls. This work shall be performed in accordance with high risk outdoor work requirements presented in this document."*

\*\*\*\*\*

**Question 190**

In the diagram of plan M350 and the dilatation vase table on plan M603 two expansion reservoirs are shown (tag # RD1-ERS-B00 and RD1-GLF-B00). We are unable to find these reservoirs on the plan views. We believe that they should probably be shown on the plan M335 but they are not. Please indicate the location of these reservoirs on the plan views.

**Answer 190**

Addendum coming.

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**Question 191**

On the pumps table on plan M603, the specifications for the pump P01-ERC-B00 are missing. Please provide the specifications of this pump.

**Answer 191**

See addendum 2.

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**Question 192**

In the diagram on plan M-350, it a complete system of charge back for the pumps P01&2-GLF-B00 is shown as well as another system for the pumps P01&2-GEO-B00. In fact, these charge backs will treat the exact same liquid (glycol) since the pumps draw into the same mix. However, in the same diagram, the network of the pump P01-ERC-B00 which is an independent closed circuit does not possess a charge back system. Would it not be preferable to move one of the charge back systems mentioned above to connect to the latter network?

**Answer 192**

Addendum coming.

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**Question 193**

In the diagram of plan M-350, the network of the pump P01-ERC-B00 does not possess a dilatation vase which is necessary for any closed heating or cooling network. Please confirm that no reservoir is required or in the contrary case, please provide specifications and the desired location of the expansion reservoir of this network.

**Answer 193**

Addendum coming. See addendum 2 for partial information.

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\*\*\* All other terms and conditions remain unchanged \*\*\*