Parks Canada Parcs Canada

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RETOURNER LES SOUMISSIONS Á:

Parks Canada Agency
220 4 Ave SE, Suite 720
Calgary, AB T2G 4X3

AMENDMENT / MODIFICATION

002

Tender To: Parks Canada Agency
We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

Soumission aux: l'Agence Parcs Canada
Nous offrons par la présente de vendre à Sa Majesté la Reine du Chef du Canada, aux conditions énoncées ou incluses par référence dans la présente at aux annexes ci-jointes, les biens, services et construction énumérés ici et sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments - Commentaries

Vendor/Firm Name and Address
Raison sociale et adresse du fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution

Parks Canada Agency
220 4 Ave SE, Suite 720
Calgary, AB T2G 4X3

Title-Sujet Rogers Pass Washroom Building, Parking Lot and Day Use Area Development – Glacier National Park		
Solicitation No. - No. de l'invitation 5P420-18-0499/A	**Date:** February 13, 2019	
GETS Reference No. – No de reference de SEAG PW-19-00859731	**Amendment No. - N° de la modif.** 002	
Solicitation Closes:		
at – á 02:00 PM	**on – le** February 20, 2019	**Time Zone - Fuseau horaire** MST - HNR
F.O.B. - F.A.B. **Plant-Usine:** ☐ **Destination:** ☑ **Other-Autre:** ☐		
Address Inquiries to: - Adresser toute demande de renseignements à : Jen Maheu jennifer.maheu@canada.ca		
Telephone No. - No de téléphone (587) 432-8458	**Fax No. – No de FAX:** (866) 246-6893	
Destination of Goods, Services, and Construction: **Destinations des biens, services et construction:** See Herein – Voir ici		

TO BE COMPLETED BY THE BIDDER (type or print)

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Vendor/Firm Name

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Address - Adresse

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Name of person authorized to sign on behalf of the Vendor/Firm
Nom de la personne autorisée a signer au nom du fournisseur/ de l'entrepreneur

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Titale - Titre

Telephone No. - N° de telephone: _____

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_____ _____
Signature **Date**

Canada

AMENDMENT 02

This amendment is being raised to distribute questions and answers and make changes to the tender package.

A) TENDER PACKAGE CHANGES

Add the following folder: *DSP3_18-0499.zip*

Summary of Changes:

A1 SPECIFICATION

1. ADD specification sections:
   a) 23 52 33 Power Direct Vented Gas Condensing Boiler
   b) 07 14 16 Cold Fluid Applied Waterproofing
   c) 10 81 23 Bird Control Devices

2. REPLACE Specification Section 07 61 00 and 10 26 00 with attached revised specification section.

3. REPLACE Specification Section 026 and Section 027 with the attached specification section.

4. REVISE roof assembly as shown in attached drawing (ASK-1).

A2 ELECTRICAL
1. DRAWINGS

E1 FLOOR PLAN – LIGHTING – Please refer to clouded changes

1. DELETE daylight sensors. Delete note 6.
2. See revised occupancy sensor location.

E3 ELECTRICAL SCHEDULES

1. See mechanical equipment schedule.

E0S1 ELECTRICAL SITE PLAN

1. See revised duct bank detail.

A3 MECHANICAL
1. DRAWINGS
M2 – FLOOR PLAN – PLUMBING LAYOUT

1. Refer to clouded change.

B) BIDDER QUESTIONS

Q25 Is it necessary to include a security clearance and pass requirement in the specifications for this project?
A25 Subsection “1.5 Security Clearances” in Section 01 14 00 can be removed.

Q26 The requirement for a qualified individual coordinator for mechanical and electrical and the related submittals and delegated design is costly and prohibitive.
A26 This requirement has been eliminated – Section 01 31 13 can be removed.

Q27 Why are there so many daylight sensors as per details on 3/E-4?
A27 These will be removed. All lighting will be controlled by occupancy sensors and time clock. Refer to revised attached Drawing E1.

Q28 Is the building to be wired in conduit on the service or is NMD90 acceptable in the walls?
A28 Main feeder and motor connections must be in conduit. NMD90 is acceptable in the walls.

Q29 Timber notes S-202: specifications say kiln dry timbers - what is the specified moisture content and is that on the surface or to the core?
A29 The timbers are to be dried to an average moisture content of 15% maximum 19% (surface dry). Note that is also

acceptable to space, stack, and cover the heavy timbers from direct sun, rain & snow exposure to air dry the material in a well-ventilated area if schedule permits to reduce the effects of checking and warping during drying.
Note that the visually exposed wood elements on the project are considered “architecturally exposed timber” and will be held to a high visual standard.

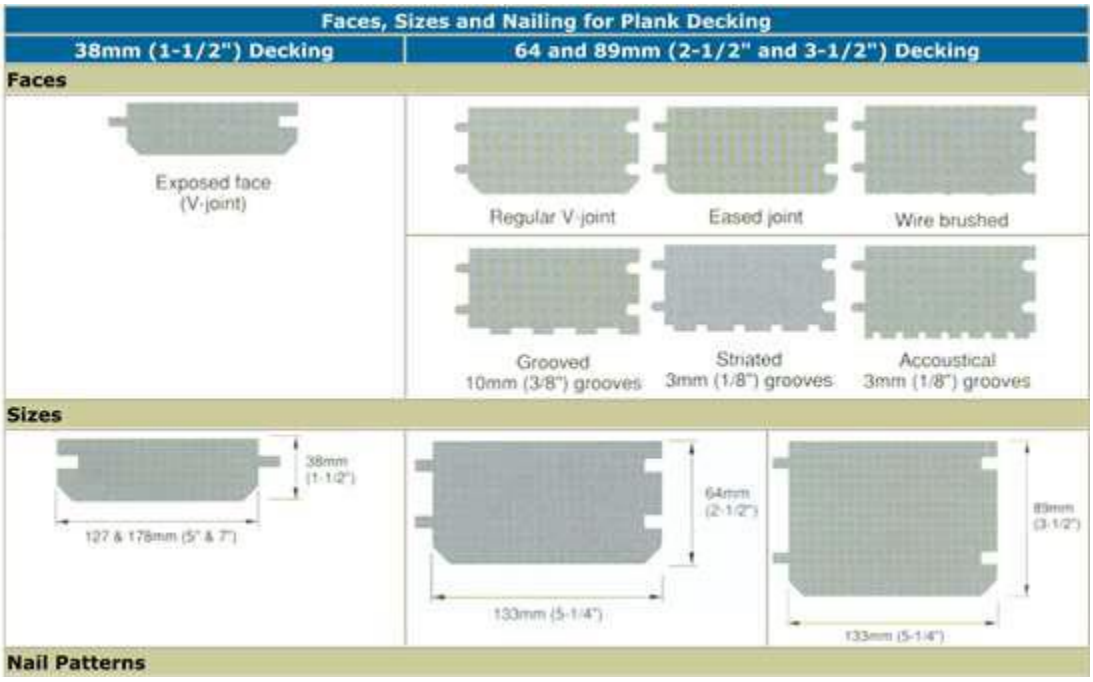
Q30 Can the green timbers have the specified cross section and be dried or will the timber need to be sized to the specified size after drying?
A30 Rough Sawn Timbers may be cut to the dimensions indicated on the drawings and then dried.

Q31 Are the timbers boxed heart or free of heart?
A31 The required size and grade and species of the framing members is indicated on the structural drawings. Note that the visually exposed wood elements on the project are considered “architecturally exposed timber” and will be held to a high visual standard. Efforts should be made to source the most appropriate timbers for these elements to reduce the effects of checking and warping.

Q32 Is a wire brushed finish acceptable for the rough sawn cedar?
A32 Wire brush finish is not acceptable.

Q33 Apply two (3) coats of shop applied Cloverdale stain. Is it 2 or 3 coats?
A33 Three Coats shop applied Cloverdale stain.

Q34 What is the roof panel material? In the details it looks like a Dowel Laminated Timber (Nail Laminated Timber) while in some details it is called CLT and some descriptions it calls for a tongue and groove product. Is it 2x4 S4S roof decking on edge OR framing Lumber SPF? Please specify the product and detailed dimensions.
A34 The roof panel material is Aluminum (refer to the attached modified Section 07 61 00 Sheet Metal Roofing). The CLT is the roof deck below. Visually Exposed Roof decking to be 89mm deep commercial grade tongue and groove plank decking. 89mm commercial grade tongue and groove decking typically comes in a standard width milled down from a 102x152 rough sawn to 89x133mm plus the projection of the tongue. Please refer to the image below for the sizes and shapes of plank decking. For additional information please refer to the Canadian Wood Council link (http://cwc.ca/wood-products/lumber/plank-decking/).



Q35 What is the direction of the roof panels? Please provide a panel layout direction (s).
A35 The direction of the plank decking on the roof is indicated on the roof framing plan on Drawing S-202. The planks are to be installed to span perpendicular to the direction of the timber roof beams.

Q36 What is the required stone for project? The plans are calling for locally quarried stone which would explain details of an angle iron. Specs are calling for suppliers which are mostly cultured stone manufactures, which wouldn't require angle iron.
A36 Please see modifications to Section 04 40 00 - Stone Veneer below:

- REVISE Item 2.1.1 to read:
  .1 Acceptable Materials: local quarried stone as indicated on Drawings.
- ADD Item 2.4.8 to read:
  .8 Provide metal angles and support to hold load of stone in accordance with Building Code requirements and Structural details.

Q37 What is the thickness of the existing asphalt to be removed?
A37 Asphalt thickness is approximately 100 mm.

Q38 What is the minimum cover for utilities (water, sanitary, storm and power/comms)?
A38 Water and sanitary is 2.7 m to top of pipe. For shallow utilities please contact the utility concerned for requirements. Minimum cover for power utilities: 760mm. See Detail 04/E0S1.

Q39 What is the spec'd rigid insulation (horizontal) at the raft slab perimeter, and underside of sidewalk and footings? The drawings note 4" but not the type.
A39 Horizontal rigid insulation to be (EXS) Extruded Polystyrene with a minimum compressive strength of 40psi. Section 07 21 13 - Board Insulation is to be modified as follows:

- ADD Item 2.2.2
  .2 Insulation: Extruded polystyrene (XPS) to CAN/ULC S701 and as follows:
  .1 Type: 4
  .2 Thermal Resistance: LTTR RSI 0.87/25 mm minimum.
  .3 Edges: square
  .4 Size: 610 mm x 2440 mm x thickness as indicated on Drawings.
  .5 Compressive Strength: minimum 200 kPa at 10% deformation in accordance with ASTM D1621.
  .6 Water Absorption: maximum 0.7% (% by volume) in conformance with ASTM D2842.
  .7 Acceptable Materials:
  .1 Dow Styrofoam SM
  .2 Owens-Corning Canada LP Foamular C-300
  .3 Soprema, Sopra-XPS 30

Q40 What is the spec'd rigid insulation (vertical) with the latex concrete finish?
A40 Please see modifications to Section 07 21 13- Board Insulation below.

- ADD Item 2.2.3
  .3 Perimeter Insulation: Pre-manufactured concrete faced polystyrene, extruded type, in accordance with CAN/ULC S701 and CAN ULC S770 and as follows:
  .1 Type: 4
  .2 Thermal Resistance: LTTR RSI 0.87/25 mm minimum.
  .3 Edges: tongue and groove.
  .4 Size: 610 mm x 1220 mm x thickness as indicated on Drawings with 8 mm concrete topping.
  .5 Compressive Strength: minimum 200 kPa at 10% deformation in accordance with ASTM D1621.
  .6 Water Absorption: maximum 0.7% (% by volume) in conformance with ASTM D2842.
  .7 Concrete Faced Insulation Fasteners: Concrete faced insulation manufacturer's standard concealed fasteners
  with groove mounting plate and fastening spline.
  .8 Acceptable Materials:
  .1 Tech-Crete Processors Ltd., CFI Wall Panels.
  .2 T-Clear Corp., CFI Wall Panels

Q41 In the bathroom where PVC wall panels are spec'd, they note both 58" height but also to the underside of the ceiling. Which is it?
A41 The correct height it 58".

Q42 Is the Altro White Rock the preferred spec'd PVC panel as it requires a certified installer with a hot seam welded install?
A42 Altro White Rock is the preferred spec – alternates will only be entertained after contract award.

Q43 Drawings A7.02 call for a waterproofing membrane strip at the raised curb; what is the spec on this?
A43 Refer to attached specification Section 07 14 16.

Q44 Will the Rockwool Comfortboard 80 be suitable for the exterior semi-rigid mineral fiber insulation?
A44 No. Refer to Section 07 21 13 Rock wool cavity rock is the acceptable material.

Q45 Does the engineer for this project require any construction joints while pouring the raft slab, or can it be poured in one pour?
A45 Please refer to the Concrete Notes of Drawing S-201. All exposed concrete is considered architecturally exposed and will be held to a high visual standard. Construction joints are not required, however may be considered for constructability purposes. Slab saw cut joints have been indicated on 2/S-201.

Q46 Is there a preferred spec for the metal bird spikes?
A46 Refer to attached specification Section 10 81 23.

Q47 The framing members specified do not meet minimum performance criteria for thermal performance and these products will ice up on the interior anytime the exterior temperatures reach -18 degrees Celsius or lower.
A47 Please see modifications Section 08 44 13 - Glazed Aluminum Curtain Walls below:

- ADD Item 2.1.1.6
  .6 DESA
- REVISE Item 2.4.1.1, .2, and .3 to read:
  .1 Frame Dimensions: Nominal 45 mm wide x back as shown on Drawings, section having a 28 mm glazing throat.
  .2 Cover Depth: Nominal 45 mm wide x 19 mm deep
  .3 Basis of Design:
  .1 DESA 45HP series
- Delete Item 2.4.1.4.

Q48 Please provide more detail on the knife plate layout for the angle iron connections at the lower part of Wall 1.
A48 Refer to detail provided in Addendum #1.

Q49 Section 09 21 16 Gypsum Board Assemblies specifies a shadow mould. Is this required? Please confirm locations and details if this is the case.
A49 Shadow mould not required.

Q50 What payment item is to be used for the future Sign junction box, conduit and wiring?
A50 Conduit and wiring from Payment Item 9.1 “Supply and install of power line”.

Q51 Will Parks consider the timber components to be planed and sanded instead of all rough sawn? This is potentially an economical solution to what is specified.
A51 The required size and grade and species of the framing members is indicated on the structural drawings. Note that the visually exposed wood elements on the project are considered “architecturally exposed timber” and will be held to a high visual standard. Refer to Specification 06 10 10 Rough Carpentry Section 2.1.3.2 “Finish of wood grain to be milled, sanded and rolled using a nylon wheel to enhance the natural graining and remove residual remaining from the saw milling process, grading stamps, lifting, transportation, and the saw blade itself”.

Q52 Panel schedule and demand calculations call for a "Total est. demand" of 218A while the specifications call for a 100A 600V main switch feeding a 75kVA transformer that has a max output of 208A at 120/208V – further a 400A main panel is specified. Should we be sizing everything to a 225A main panel or sizing everything for a 400A service?
A52 The contractor is to size everything to a 225A main panel.

Q53 Who is "speaker system contractor"?
A53 The electrical contractor is to carry price of speakers.

Q54 Who supplies hand dryers, what model?
A54 The contractor is to install the hand dryers – hand insert dryer Dyson Airblade "dB" or approved equivalent. Refer to Section 10 28 10 Toilet and Bath Accessories Item 2.3.4.

Q55 Is there a list of owner supplied items that can be provided?
A55 Refer to ID1.00

Q56 All in one lighting controller an OK substitute for described functions?
A56 All in one lighting controller can be used as long as it meets design intent.

Q57 Concrete under building for ducts by general contractor?
A57 Yes.

Q58 Boiler controls done by who?
A58 Responsibility of mechanical contractor.

Q59 Where is the spec on the 20kW duct heaters for the HRV that electrical contractor is to supply?
A59 Refer to attached Section 23 52 33. Duct heater is to be supplied by mechanical contractor and installed by electrical contractor.

Q60 Is engineering required on timber?
A60 Yes. Refer to Specification 06 10 10 Rough Carpentry Items 1.4.2 & 1.4.3

Q61 Usually we are going two rows perpendicular metal Z girts and putting thermal brake insulation tape between them. On the wall cladding the Cascadia clips and one layer Z girts is a very popular assembly
A61 The contractor is to follow wall assemblies as shown on the drawings.

Q62 Cavityrock rigid insulation is specified behind the wall cladding, In the meantime the drawing shows semirigid one. On the roof Cavityrock is specified which is recommended by the Rockwool in rain screen cladding structures. Under flatroof they recommend they Toprock DD product. Please advise how we are to price.
A62: Cavity rock rigid insulation is a "semi-rigid" insulation. Refer to revised specification Section 07 61 00 for acceptable roof insulation.

Q63 There is some issue with these thermal described in previous email. Cascadia and northern Facade products are specified however none of them look like what is shown in the detail above. Please advise which one to price.
A63 Please refer to the following modifications in Section 07 21 13 – Board Insulation and Section 07 42 13 – Preformed Metal Cladding outlined below:
In Section 07 21 13

- ADD item 2.3.1.4
  .3 Kalzip

In Section 07 42 13

- ADD item 2.5.1.4
  .3 Kalzip

Q64 On Dwg. E0S1 only two conduits are indicated for the main incoming electrical service and communications service. Are the Notes 3 & 4 on Drawing E0S1 correct? If not, how many ducts are required?
A64 Notes 3 and 4 are correct, see attached E0S1 for revised detail.

Q65 What Payment Item is for removal and disposal of existing electrical items (Dwg E0S1 Note 6)?
A65 This will be covered under the Prime Cost Sum – Item A3.

Q66 With reference to Section 26.09.23 is there any Eaton Lighting Systems / Low Voltage Lighting Control on this Project. The drawings do not detail or specify any.
A66 There is no Eaton Lighting low voltage control on this project.

Q67 What is the manufacture and specific catalogue number required for the wall mounted occupancy sensors (Dwg. E1 – Note 4) and Daylight Sensors (Dwg. E1 – Note 6)?
A67 For wall mounted occupancy sensors: Acuity Lighting (manual on/auto off) Model no: WSX-SA-WH or approved equivalent (set timer to 10 min delay) and for daylight sensors refer to attached E1. Daylight sensors have been deleted.

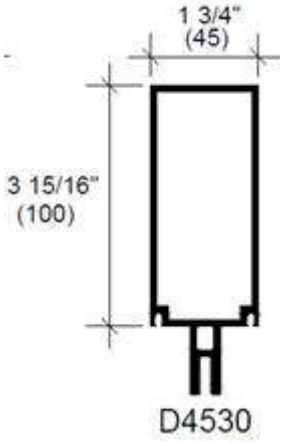
Q68 Specification 27.10.00 2.8 specifies a 4-post free standing floor mounted rack for the communication structured cabling. Will a smaller wall mounted rack be acceptable? Or is the rack specified required?
A68 A smaller rack will be acceptable.

Q69 Specification 27.40.00 Audio Visual System was issued in the Tender Package. Is this part of this Contract as it is not detailed on the drawings?
A69 Only the audio portion of this section is applicable. No visual system.

Q70 Regarding M2 Note 2- Please specify if site service contractor or mechanical contractor is responsible to convert 100mm existing PVC to 100 mm PEX?
A70 Extend PVC pipe from outside the building to mechanical room. Extend PVC pipe above floor in mechanical room before transition to PEX. Extension for PVC pipe from outside to inside the building is mechanical contractor's responsibility.

Q71 Specify 100mm PEX manufacturer. Please also provide approved conversion detail to transfer from PVC Blue Brute to 100mm PEX.
A71 Uponor, Viega, CANPEX and any approved equivalent PEX manufacturer can provide equivalent PEX pipe. Conversion detail from PVC to PEX is responsibility of mechanical contractor.

Q72 Clarify what size of back section of aluminum frames is required for this project - specification is showing 64 x 186 but Detail 3 on Drawing A7.02 does not show 186 mm overall.
A72 Refer to the following sketch – the following back section is required: 100 mm back section and 45 mm sight line.



Q73 Section detail 1/A7.01 shows a note stating that "conc. facing on 102mm THK, foam insulation". Is this foam insulation rigid or spray foam? Also is their damp proofing to be applied to foundation wall?
A73 Concrete face insulated wall panels are pre-finished exterior perimeter foundation or low-rise wall insulation panel consisting of sytrofoam brand foam insulation with factory applied 8 mm thick latex-modified concrete facing, with a slightly broomed finish. The raised curb all around building perimeter above main floor level requires waterproofing membrane.

All other terms and conditions remain unchanged.