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British Columbia
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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.

Comments - Commentaires

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

Issuing Office - Bureau de distribution
Public Works and Government Services Canada - Pacific
Region
800 Burrard Street, Room 219
800, rue Burrard, pièce 219
Vancouver
British C
V6Z 0B9

Title - Sujet Bâtiment d'entretien de l'équipemen	
Solicitation No. - N° de l'invitation EZ899-181343/A	Amendment No. - N° modif. 004
Client Reference No. - N° de référence du client	Date 2017-11-23
GETS Reference No. - N° de référence de SEAG PW-\$PWY-022-8224	
File No. - N° de dossier PWY-7-40239 (022)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2017-11-29	Time Zone Fuseau horaire Pacific Standard Time PST
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Arthur (PWY), Carolyn	Buyer Id - Id de l'acheteur pwy022
Telephone No. - N° de téléphone (604) 364-2752 ()	FAX No. - N° de FAX (604) 775-6633
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: TC - Port Hardy Airport - Port Hardy, BC	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

Solicitation No. - N° de l'invitation

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

EZ897-181343/A

004

PWY-022

Les documents français seront disponibles sur demande.

This amendment 004 is raised to:

- 1) Incorporate Addendum No. 2

- 1) Please see the attached Addendum No. 2 which includes the following documents:

- Architectural Addendum No. 2
- Electrical Addendum No. 2
- Structural Addendum No. 1
- Civil Addendum No. 1

All other terms and conditions to remain unchanged.

The following addendum supersedes information contained in the drawings and specifications issued of the project to the extent referenced. This Addendum forms part of the Tender Documents and is subject to all of the conditions set out in the contract documents

This addendum contains three (3) pages and four (4) Drawings:

DRAWINGS

1. Drawing A-111 – FLOOR PLANS (Revision A - attached)
 - a) Add dimensions
 - b) Added Door tags; D13a, D18c, D18e, D18f, D18g, D18h, D18i
2. Drawing A-121 – ENLARGED PLANS (Revision A - attached)
 - a) Section call-out 12/A-910 added to millwork in Deliveries 13.
 - b) Add dimensions
3. Drawing A-501 – EXTERIOR DETAILS – SHEET 1 (Revision A – attached)
 - a) Add dimensions to Detail 7/A-501.
4. Drawing A-905 – INTERIOR DETAILS AND STAIRS (not attached)
 - a) Detail 9 – Delete “25mm STEEL BALUSTERS SPACED 140mm O.C.” and replace with “40mm DIA PIPE GUARD POSTS AT 1200mm O/C MAX BOLTED TO STAIR STRINGERS, 40mm DIA PIPE BOTTOM RAIL AND HANDRAIL C/W 16mm DIA ROD BALUSTERS WELDED TO RAILS, ALL HOT-DIPPED GALVANIZED, (DIMENSIONS ARE NOMINAL)”.
5. Drawing A-950 – DOOR AND ROOM FINISH SCHEDULES (Revision A - attached)
 - a) Delete door numbers D30aa, D30bb, D30cc, D30dd, D30ee, D30ff, D30gg, D30hh, D30z.
 - b) Add door numbers D13a, D18c, D18e, D18f, D18g, D18h, D18i

SPECIFICATIONS

1. Section 01 35 29.06 – HEALTH AND SAFETY REQUIREMENTS
 - a) Delete “National Building Code of Canada 2010” and replace with “National Building Code of Canada 2015”.
2. Section 14 60 00 – CRANES AND HOISTS
 - a) Delete “National Building Code of Canada 2010” and replace with “National Building Code of Canada 2015”.

BIDDER QUESTIONS

Question: Section B/S203 states a “Safety Stair Tread” is to be used on the exterior stairs, although this seems to be just a generic statement. Please specify what type of stair grating is required in this location.

Answer: Detail 5/S-203 indicates “HDG PREFAB STAIR TREAD”. Round Hole Grip is acceptable for the treads and solid plate for the risers.



Round Hole Grip

Question: On drawing 12/A905 it states the interior stair assemblies are supposed to be finished with rubber tread/riser system. Can you please clarify what type of rubber tread/riser system is required (make/model if possible)? Is it a cast in place or a tack on system?

Answer: Manufacturer: Johnsonite
Colour: 92 Blue Lagoon with contrasting riser
Grey grit tape
Finish: Fast lane
Alternate: Approved equal

- Question:* In the spec section 07 41 00 section 2.1.1.2 it states the panel width is 1066.8mm (42"), this we typically see are Kingspan panels. Is it acceptable to substitute the roof and wall 42" panels with a Vicwest AWIP 40" panels?
- Answer:* 40" is acceptable. All other characteristics (finishes, material thicknesses, etc.) must be supplied as specified.
- Question:* The door schedule lists two doors but they do not appear to be located on the drawings – D30hh and D30z. No mention of these two doors in hardware specification. Have these two doors have been deleted from the design but not the schedule? Please confirm.
- Answer:* There are multiple doors that have been deleted, added and/or revised to match the Floor Plans. Refer to Drawing A-950 in DRAWINGS revisions above.
- Question:* All interior doors appear to be listed as hollow-metal, except three – D22a, D23a, and D29a – please confirm this is intentional, they don't seem to be architectural feature doors so please confirm they are to be wood.
- Answer:* These doors are intended to be wood for acoustic reasons.
- Question:* All three of the specified wood doors are listed as SD1, a solid panel door with no glass insert. However, the line for D29a requests a G4 glass insert. Please clarify if it should be SD1, SD3, or SD4.
- Answer:* "SD1" is correct. Delete "GL4" on Door D29a. Refer to Drawing A-950 in DRAWINGS revisions above.
- Question:* Door type SD1 refers to a mechanical grille where specified, but do not see where grilles are specified. They don't appear on the schedule, in the comments or notes, in the hardware spec, in the door spec, or on the mechanical drawings. Please confirm if any are required.
- Answer:* There are no door grilles on the project.
- Question:* Regarding the interior window legend, there is only one window listed requiring type G5 glass – W22 – however, W22 is located in room 28 which also has another window in it – W23. Should W23 match W22? Curious also why W21 would not also be specified similarly, in room 22.
- Answer:* Interior window W23 shall be "GL5" glass type. Refer to Drawing A-950 in DRAWINGS revisions above.
- Question:* Also, there seems to be some contradiction about the building code standard that the project is designed to. The notes on structural and architectural drawings refer to NBC 2015, but throughout the specifications there is reference to BCBC 2012 (current) which adopted the standards of NBC 2010 – considerably different requirements. We have also been advised by one of our pre-fab suppliers that the quality assurance standard referenced on the structural notes, CSA S16-14, but in the pre-fab structure specification this standard is not listed, it refers to CSA S16-09 instead, which refers to NBC 2010. Please clarify which performance standards the project should be following.
- Answer:* NBC 2010 is noted two times in the Specifications. Refer to SPECIFICATIONS revisions noted above.
- Question:* There is a line drawn across the room on the plan as well as the enlarged plan view of Room 13 (Deliveries), which appears to be a countertop or cabinetry. No elevation exists showing this detail. Please advise.
- Answer:* There is a counter at this location. Refer to Drawing A-121 in DRAWINGS revisions above.
- Question:* Could the manufacturer name be provided for the shelving described in the Div 10 specification. Also, please provide more details on how many shelves, how many dividers, how many bin fronts, etc.
- Answer:* We can suggest a manufacturer, but the performance specifications must be followed. Hi Cube Storage Parts Limited or an approved equal. This is industrial shelving intended for vehicle parts storage.
- Question:* In detail 9 on drawing A905 it calls for steel balusters, but it does not give any more details. Can you please clarify what their design; are they round, square, thickness, finish, etc..
- Answer:* Refer to Drawing A-905 in DRAWINGS revisions above.
- Question:* In detail 9 on drawing A905 it appears the railings do not have any posts just balusters. Is this correct? Are there some details that can be supplied for the connection of the railing to the building?
- Answer:* Refer to Drawing A-905 in DRAWINGS revisions above.
- Question:* In detail 5/S203 it shows a guard post then says to refer to architectural for details. I cannot seem to find any details on this guard post in the architectural. Please clarify the details on this and if its required?
- Answer:* Refer to Drawing A-905 in DRAWINGS revisions above.

PROJECT # R.077016.001
PORT HARDY AIRPORT
EQUIPMENT MAINTENANCE BUILDING
3675 BYNG ROAD
PORT HARDY, BC

Addendum No. 2
ARCHITECTURAL
Page 3 of 3

Question: Can you please confirm how the steel risers on the exterior stairs are fastened? Seems to be a T-shaped fastener (possible a thru bolts).

Answer: The risers are fastened to the treads with self-tapping screws (all HDG).

END OF ARCHITECTURAL
ADDENDUM NO.2

The following revisions supersede the information contained in the original drawings and specifications issued for the above-named project, to the extent referenced and shall become a part thereof. No considerations will be allowed for extras due to the Contractor, or to any Subcontractors or Supplier, not being familiar with this Addendum.

1 DRAWINGS

1.1 S-001 GENERAL NOTES AND TYPICAL DETAILS

.1 DESIGN DATA:

Note 13 SECOND FLOOR LOADS; **Revise** office area design LL to 3.8 kPa (from 2.4 kPa).

.2 DESIGN DATA:

Note 13 SECOND FLOOR LOADS; **Revise** mechanical and electrical rooms design LL to 3.8 kPa (from 2.4 kPa).

2 SPECIFICATIONS

2.1 03 30 00 CAST IN PLACE CONCRETE

.1 Clause 2.4.1.3.7.4 Mix Type 7:

Revise to read 'Aggregate size: 14mm maximum.' (from 'Aggregate size: 20mm maximum.')

.2 Clause 2.4.1.3.8.4 Mix Type 8:

Revise to read 'Aggregate size: 10mm maximum for toppings between 25 and 35mm thick, 14mm for toppings between 35 and 60mm thick.' (from 'Aggregate size: 20mm maximum.')

2.2 13 34 19 METAL BUILDING SYSTEMS

.1 Clause 2.2.3.3:

Revise to read '2nd Level Floor: Live Load = 3.8 kPa, Partition Load = 1.0 kPa.' (from '2nd Level Floor: Live Load = 2.4 kPa, Partition Load = 1.0 kPa.')

3 BIDDER'S QUESTIONS

.1 **Question:** Can you please confirm the dimensions (width and height) of the tie beams running along line 2 & 6? Are they also a 350mm Wide x 260mm High tie beam as per section 11 and 12 S-201?

Answer: All tie beams are the same size.

.2 **Question:** The local ready mix supplier has indicated that they only supply ready mix with 25mm aggregate. In the specifications section 03 30 00 part 2.4.1.3 all the concrete mixes specify a 20mm aggregate maximum size. Is it acceptable to use a 25mm aggregate instead of the 20mm?

Answer: It is acceptable to use 25mm aggregate for Mix Types 1 through 6 and 9 provided the performance requirements of Section 03 30 00 and the requirements of A23.1/A23.2 are met. Maximum aggregate size for Mix Types 7 and 8 are as noted in Item 2.1.1 and 2.1.2 above.

END OF STRUCTURAL ADDENDUM No. 01

The following revisions supersede the information contained in the original drawings and specifications issued for the above-named project, to the extent referenced and shall become a part thereof. No considerations will be allowed for extras due to the Contractor, or to any Subcontractors or Supplier, not being familiar with this Addendum.

1.1 BIDDER'S QUESTIONS

- .1 Question: Drawing E100 notes are blocked by the electrical engineers stamp. Could these notes be provided separately?

Answer: The notes are as follows:

KEY NOTES:

- 1 - GROUND BUSBAR WITH STANDOFFS AND COPPER WIRING LUGS. (TYPICAL)
- 2 TELECOM RM, PROVIDE A 19mm GIS FIRE RETARDANT PLYWOOD BACKBOARD - FOREST STEWARDSHIP COUNCIL (FSC) CERTIFIED. (TYPICAL). PROVIDE TWO (2) 120V/15A TWISTLOCK RECEPTACLES FOR COMMUNICAITON EQUIPMENT (EQUIPMENT BY SSC CONTRACTOR). EXACT MOUNTING HEIGHT AND LOCATION OF RECEPTACLE TO BE COORDINATED AND CONFIRMED WITH SSC COMM. CONTRACTOR PRIOR TO ROUGHIN.
- 3 INSTALL RECEPTACLE 150mm ABOVE COUNTER.
- 4 INSTALL AND CONNECT GENERAL CONTRACTOR SUPPLIED OVERHEAD DOOR CONTROL PUSHBUTTON, DOOR OPERATOR, AND DOOR SENSORS. PROVIDE AND INSTALL DISCONNECT SWITCH.
- 5 BOILER EMERGENECY SHUTDOWN PUSHBUTTON. CONNECT SHUNT TRIP OF BOILER B1 CIRCUIT BREAKER 2A1.
- 6 POL & BATTERY STORAGE ARE HAZZARDOUS LOCATIONS. ALL CONDUITS ENTERING ARE TO HAVE 'EYS' SEAL.

- .2 Question: Requesting the following luminaires as acceptable alternates to the luminaires specified?

A	PHILIPS	RBX 15L 840 347 WT ARR22
B	PHILIPS	ECF-S 48L 1.2A NW-G2 WS 3 347 DD BZ
C	LITON	DL34R W PC -XXX-4000k
D	HE WILLIAMS	SLF 4 32 HIA EB2 UNV
E	HE WILLIAMS	PT 22 L38/830 RA DIM UNV
F	PHILIPS	FSS455L830-UNV-DIM
G	PHILIPS	C7RN/C6LXX830MZ10 U/C7RDLNMCL 1500 Lumens
H	PARAMOUNT	HC6 2 L 4 3 D3 120/277

Answer: Yes, the luminaires are acceptable.

The following addendum supersedes information contained in the drawings and specifications issued of the project to the extent referenced. This Addendum forms part of the Tender Documents and is subject to all of the conditions set out in the contract documents

This addendum contains one (1) pages and no Drawings

DRAWINGS

Drawings

- a) None

SPECIFICATIONS

- a) None

BIDDER QUESTIONS

Question: Please confirm the subsurface recharge rates for the dewatering & heaving protection as described in "Excavation, Trenching & Backfilling" Section 31 23 33.01 3.8.2 There would be a broad interpretation and cost if a contractor is to include some small pumps vs. sheet piles or well points in their estimate. By providing an estimated groundwater/perched water recharge GPM rate, one would be able to gauge what challenges need to be mitigated & at that point a determination can be made for equipment

Answer: Please refer to page 3 of the Port Hardy Airport Maintenance Building Geotechnical Assessment, dated March 2017, prepared by WSP:

Groundwater was present at the interface between the glacial till and the sand and gravel soils in the test pits. It is expected that groundwater seepage can be managed by conventional sumps and pumps provided that sediment within the water is suitably managed according to an approved ESC plan

Question: On drawing C-102 there is reference to an API oil/Water Separator and a Coalescing Plate oil/water separator. Please provide specification or more detail.

Answer: Please refer to Specification 33 41 00, Storm Utility Drainage Piping, Part 2 – Products, Item 2.1 – Oil Water Separators, quoted below for convenience:

- .1 Oil water separators are to have the following minimum standards:
 - .1 Minimum 595 litre capacity
 - .2 AASHTO HS20 live loading
 - .3 12 gauge galvanized baffles
 - .4 PVC SDR28 tees on the inlet and outlet
 - .5 Minimum concrete strength: 35 MPa
 - .6 Concrete lid with 635mm diameter opening and round cast iron casting
 - .7 Additionally, for the vehicle wash oil water separator:
 - .1 Coalescing plates, 8mm spacing
 - .2 Influent oil = 100mg/l
 - .3 Effluent oil <=15 mg/l
 - .4 Max. flow rate 5.3 l/s

ALTERNATES

- a) None

END OF CIVIL ADDENDUM NO.1