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**Bid Receiving Public Works and Government
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800 Burrard Street, Room 219
800, rue Burrard, pièce 219
Vancouver
British Columbia
V6Z 0B9
Bid Fax: (604) 775-9381

**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 Powell River SAR Station	
Solicitation No. - N° de l'invitation F1700-174633/A	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client F1700-174633	Date 2018-01-30
GETS Reference No. - N° de référence de SEAG PW-\$PWY-019-8278	
File No. - N° de dossier PWY-7-40260 (019)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2018-02-20	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: Ngan, Ken (PWY)	Buyer Id - Id de l'acheteur pwy019
Telephone No. - N° de téléphone (604) 671-0219 ()	FAX No. - N° de FAX (604) 775-6633
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DFO - Powell River Small Craft Harbour - Powell River, 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
F1700-174633/A
Client Ref. No. - N° de réf. du client

Amd. No. - N° de la modif.
001
File No. - N° du dossier
pwy-7-40260

Buyer ID - Id de l'acheteur
pwy019
CCC No./N° CCC - FMS No/ N° VME

Les documents français seront disponibles sur demande.

This Solicitation Amendment 001 is raised to extend the bid closing date, and to incorporate Addendum #1.

Please find following Addendum #1, and the associated Specifications - Section 05 14 11.1

Please note the associated Drawings are available for viewing and for download at the following link, under Attachments,

<https://buyandsell.gc.ca/procurement-data/tender-notice/PW-PWY-019-8278>

File <f1700-174633_addendum_1_drawings_set_1_of_2>

File < f1700-174633_addendum_1_drawings_set_2_of_2>

All other terms and conditions remain unchanged.

Extension of Time

Powell River New SAR Station – Powell River, BC

Solicitation No: F1700-174633/A

Notice is hereby given that the time for reception of tenders previously due at 2:00 p.m. P.S.T. on February 7, 2018 is hereby extended to **2:00 p.m. P.S.T. on February 20, 2018.**

*The following changes in the Tender Documents are effective IMMEDIATELY.
This addendum will form part of the Contract Documents*

Amend/revise the Standard Contract Documents as follows:

Clarifications & General Instructions

1. Design and standards for Prefabricated wall and roof panel design and specification are based on system provided by Mansonville Plastics, Korolite Engineering Panel Structures Ltd. Surry B.C. (604-534-8626)
2. Aluminium Frame suppliers able to meet specifications include, but are not limited to:
 - .1 Alpha Construction,
Contact: Richard Meachin, 780-476-3098
12531 60 St. N.W. Edmonton, Alberta, T5w-5J5
 - .2 Steeltech
Contact: Dave Shaw, 604-792-9228
44375 Yale Road, Chilliwack, British Columbia, V2R 4H2

Contractor Questions

Question:

What if aluminum frame or insulated panel manufacture have long manufacture and delivery times.

Response:

Contract extension will be granted if manufacture of aluminum frame or insulated panels delay proposed schedule.

ALUMINIUM FRAME DRAWINGS

Refer to attached additional drawings:

- 1) Prefabricated Building Model 12x24 –S1 Structural Aluminium Frame
Drawing Number 4-30-5-SF, Sheets 1 to 8. (note: Stair units shown on sheet 1 are not included as part of work.)
- 2) Prefabricated Building Model 24x48–S1 Structural Aluminium Frame
Drawing Number 4-30-18-SF, Sheets 1 to 11.

ARCHITECTURAL

Refer to architectural Drawings:

3/A6.03

Provide self adhesive SBS membrane flashing, eaves protection, to 1800mm perimeter of roof sheathing. Membrane to be minimum 1.5mm thick, rated for high heat, surfaces to be primed, membrane applied in accordance with manufacturers recommendations. Membrane to meet requirements of RCABC Warranty.

SPECIFICATION

SECTION 01 11 55

1.1 Work Covered By Contract Documents

Delete

2nd paragraph

~~The Owner will supply the aluminum structural frame and all of the fasteners required for the assembly of this frame. Fasteners used to attach the frame to the foundation to be provided by the Contractor. Shop drawings and construction details will be provided for these components. The contractor will provide and install the steel floor decking.~~

Add

2nd paragraph

The Contractor will supply the aluminum structural frame and all of the fasteners required for the assembly of this frame. Fasteners used to attach the frame to the foundation to be provided by the Contractor. Refer to Aluminium Frame drawings and specification section for frame requirements and composition. Contractor to provide shop drawings per specification. The contractor will provide and install the steel floor decking.

SECTION 05 14 11.1

Add

See attached additional specification section:

05 14 11.1 - Structural Aluminum for Buildings

SECTION 07 41 16

1.5 .2 Installer Qualifications

Delete

- .1 ~~Installer shall be authorized by the panel manufacturer and the work shall be supervised by a person having a minimum of five (5) years experience installing insulated metal standing seam roof panels on similar type and size.~~

Add

- .1 Work shall be supervised by a person having a minimum of five (5) years experience in construction supervision and the application of good trade practice in constructing pre-fabricated building assemblies.

SECTION 07 61 00

Add

1.4 Submittals

.5 Shop drawings

- .2 Use qualified professional structural engineer registered in the Province of British Columbia for wind load and seismic designs.
- .3 Submit shop drawings under the sea of the same qualified professional structural engineer responsible for wind load and seismic designs.

Add

1.5 Quality Assurance

- .3 Ensure that each step of the roofing installation is inspected prior to proceeding with the next step. Do not permit installations to be concealed or enclosed prior to inspection.

Add

1.10 Inspection, Guarantee, Warranty

- .1 Pay for the services of an inspection agency to inspect roofing installation at intervals required to obtain guarantee. Owner will select inspection agency from RCABC list of approved agencies.
- .2 Co-operate with inspection agency and accompany inspection agency personnel during inspections.
- .3 Provide roofing contractors association of British Columbia (RGC) 10 year Guarantee for metal roofing and related metal flashings of this Section.
- .4 Guarantee to start at date of substantial Performance of Work.

SECTION 07 61 00

Add

1.11 Closeout Submittals

- .1 Provide following for inclusion in operating and maintenance manuals described in section 01 78 00- Closeout submittals.
 1. "RCAB Roofing System Record" upon completion of roofing installation which includes a RGC Guarantee, copies of inspection reports and Roof Maintenance Guide.
 2. Certification under seal of same professional engineer responsible for sealing shop drawings that sheet metal roofing has been installed in accordance with sealed shop drawings.

SECTION 07 61 00

Delete

2.2 Components

- .2 .1 Colour to match Cascadia Metal ~~Colour: Red PVDF~~

Add

2.2 Components

- .2 .1 Colour to be selected by consultant from standard manufacturer range.
Standard manufacturer range to be submitted for selection.

End of Addendum

Part 1 General

1.1 RELATED REQUIREMENTS

1.2 REFERENCES

- .1 ASTM International
 - .1 ASTM B209M-07, Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate Metric.
 - .2 ASTM B210M-05, Standard Specification for Aluminum and Aluminum-Alloy Drawn Seamless Tubes Metric.
 - .3 ASTM B211M-03, Standard Specification for Aluminum and Aluminum Alloy Bar, Rod and Wire Metric.
 - .4 ASTM F593-02(2008), Standard Specification for Stainless Steel Bolts, Hex Cap Screws, and Studs.
- .2 American Welding Society (AWS)
 - .1 AWS - A5.10/A5.10M1999(R2007), Specification for Bare Aluminum and Aluminum Alloy Welding Electrodes and Rods.
- .3 CSA International
 - .1 CAN/CSA G164-[M92(R2003)], Hot Dip Galvanizing of Irregularly Shaped Articles.
 - .2 CAN/CSA-S16-01 (R2007) Limit States Design of Steel Structures
 - .3 CAN/CSA-S157/S157.1-05, Strength Design in Aluminum/Commentary on CAN/CSA-S157, Strength Design in Aluminum.
 - .4 CSA W47.2-M1987(R2008), Certification of Companies for Fusion Welding of Aluminum.
 - .5 CSA W59.2-M1991(R2008), Welded Aluminum Construction.
- .4 Aluminum Association:
 - .1 Aluminum Standards and Data 2017.
- .5 Health Canada / Workplace Hazardous Materials Information System (WHMIS)
 - .1 Material Safety Data Sheets (MSDS).
- .6 Master Painters Institute (MPI)
 - .1 MPI - EXT 5.5D, Bituminous Finish.

1.3 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Submit in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Product Data:
 - .1 Submit manufacturer's instructions, printed product literature and data sheets for structural aluminum and include product characteristics, performance criteria, physical size, finish and limitations.

- .2 Submit copies of WHMIS MSDS in accordance with Section 01 35 30- Health and Safety Requirements
- .3 Shop Drawings:
 - .1 Submit drawings stamped and signed by professional engineer registered or licensed in Province of British Columbia.
 - .2 Submit shop drawings to include fabrication and erection documents consisting of connection and design details, shop details, erection diagrams, erection procedures and material lists.
 - .3 Indicate cuts, copes, connections, holes, threaded fasteners, rivets, welds and other items. Indicate welds using welding symbols as shown in Appendix A of CSA W59.2.
 - .4 Include description of methods, sequence of erection and type of equipment to be used in erecting structural aluminum.

1.4 INSPECTION AND TESTING

- .1 Inspection and testing of materials will be carried out by Departmental Representative. Costs of testing will be borne by Departmental Representative unless otherwise noted
- .2 Provide safe access and working areas for testing on site, as required by testing agency.
- .3 If defects are revealed during inspection or testing, the Departmental Representative will request additional inspection and or testing to determine the full degree of the defect. The Contractor must pay for re-testing and re-inspection.
- .4 Satisfactory inspection at any stage does not preclude future rejection if materials and workmanship subsequently are found to lack uniformity or fail to conform to the requirements specified.
- .5 The contractor must submit certified mill tests in accordance with the standard, properly correlated to the elements being fabricated.

1.5 WASTE MANAGEMENT AND DISPOSAL

- .1 In accordance with Section 01 74 19 Construction Waste Management and Disposal.
- .2 Divert unused metal from landfill to metal recycling facility.
- .3 Dispose of unused paint material at official hazardous material collections site.
- .4 Do not dispose of unused paint material into sewer system, into streams, lakes, onto ground or in other locations where it will pose health or environmental hazard.

1.6 DELIVERY, STORAGE AND HANDLING

- .1 Deliver, store and handle materials in accordance with Section 01 61 00 - Common Product Requirements and manufacturer's written instructions.
- .2 The Contractor must be responsible for the protection of all aluminum work during fabrication, storage, and shipping. All small bends and damage must be reported to the Departmental Representative for instructions. Aluminum work that is bent, broken or otherwise damaged must be repaired or replaced by the Contractor to the satisfaction of the Departmental Representative at no additional cost to Canada.

- .3 Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled with manufacturer's name and address. The Contractor is to pay all shipping costs.

Part 2 Products

2.1 MATERIALS

- .1 Aluminum bar, rod, wire: to ASTM B211M.
- .2 Aluminum and Aluminum-Alloy Extruded Bar, Rods, Wire, Shapes, and Tubes: to ASTM B221M.
- .3 Aluminum sheet or plate: to ASTM B209M.
- .4 Aluminum drawn tubes: to ASTM B210M.
- .5 Aluminum bolts and rivets: to ASTM B316M.
- .6 Aluminum welding wire: to AWS - A5.10/A5.10M.
- .7 Stainless steel bolts: to ASTM F593, grade ANSI 361
- .8 Bituminous paint: MPI - EXT 5.5D, without thinner.
- .9 Galvanizing: hot dip galvanize steel bolts to CAN/CSA-G164, minimum zinc coating of 600 g/m².

2.2 FABRICATION

- .1 Fabricate to CAN/CSA-S16-01 (R2007) and in accordance with approved shop drawings.

2.3 FINISHES

- .1 Refer to Aluminum Frame drawing general notes for finishing system details

Part 3 Execution

3.1 EXAMINATION

- .1 Verification of Conditions: verify conditions of substrates previously installed under other Sections or Contracts are acceptable for structural aluminum installation in accordance with manufacturer's written instructions.
 - .1 Inform Departmental Representative of unacceptable conditions immediately upon discovery.
 - .2 Proceed with installation only after unacceptable conditions have been remedied

3.2 INSTALLATION

- .1 Do structural aluminum work: to CAN/CSA-S157.
- .2 Do welding: to CSA W59.2.
- .3 Companies to be certified under Division 1 or 2.1 of CSA W47.2 for fusion welding of aluminum CSA W55.3 for resistance welding of structural components.

3.3 CONNECTION TO EXISTING WORK

- .1 Verify dimensions and condition of existing work, report discrepancies and potential problem areas to Departmental Representative for direction before starting fabrication.

3.4 ERECTION

- .1 Erect structural aluminum as indicated and to CAN/CSA-S157 and approved erection drawings.
- .2 Field cutting or altering structural members: to approval of Departmental Representative

3.5 JOINT SEALING AND PAINTING

- .1 Surface preparation of aluminum in contact with or embedded in dissimilar materials: to CAN/CSA-S157. Treat locations as if there is moisture present.

3.6 CLEANING

- .1 Progress Cleaning: clean in accordance with Section 01 74 11 - Cleaning.
 - .1 Materials to be delivered to site in clean condition with packaging and labels intact.

3.7 PROTECTION

- .1 Protect installed products and components from damage during construction.
- .2 Repair damage to adjacent materials caused by structural aluminum for buildings installation.

END OF SECTION