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Public Works and Government Services Canada  
ATB Place North Tower  
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Alberta  
T5J 1S6  
Bid Fax: (780) 497-3510

**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  
ATB Place North Tower  
10025 Jasper Ave./10025 ave Jasper  
5th floor/5e étage  
Edmonton  
Alberta  
T5J 1S6

<b>Title - Sujet</b> Mechanical Upgrades	
<b>Solicitation No. - N° de l'invitation</b> EW038-181191/A	<b>Amendment No. - N° modif.</b> 004
<b>Client Reference No. - N° de référence du client</b> CSC-EW038-181191	<b>Date</b> 2017-10-24
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$PWU-201-11191	
<b>File No. - N° de dossier</b> PWU-7-40117 (201)	<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 2017-10-27</b>	<b>Time Zone</b> Fuseau horaire Mountain Daylight Saving Time MDT
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Ho (RPC), Hector	<b>Buyer Id - Id de l'acheteur</b> pwu201
<b>Telephone No. - N° de téléphone</b> (780) 901-0989 ( )	<b>FAX No. - N° de FAX</b> (780) 497-3510
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

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

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004

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This Amendment #004/Addendum #002 has been raised to answer the following questions:

The following changes to the tender documents are effective immediately and will form part of the contract documents:

**1. GENERAL**

1.1	This Addendum is issued prior to bid closing to incorporate revisions noted herein. Include in the Bid price all such revisions which will become part of the Work. Perform all such Work in accordance with the Contract Documents.
1.2	All affected drawings, schedules and panel changes shall be reflected in final as-built and manual submissions.

**2. CLARIFICATIONS**

	None
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**3. ANSWERS TO BIDDERS' QUESTIONS**

3.1	<p><i>Question</i> – Who manages the existing fire alarm panel?</p> <p><i>Answer</i> – “Fire Protection Services” currently does the annual inspections.</p>
3.2	<p><i>Question</i> – Do you have a contact for the fire alarm verification?</p> <p><i>Answer</i> – When the new fire alarm system was installed, The company that completed a Fire Alarm Verification Inspection was Vipond INC.</p> <p>Brad Kletchko Project Manager VIPOND INC. 13056 Yellowhead Trail Edmonton, Alberta T5L 3C1 Office: (780) 447-1863 Cell Phone: (587) 989-3030 Fax: (780) 447-1924 brad.kletchko@vipond.ca</p>
3.3	<p><i>Question</i> – CU-247 for AHU-47 is not listed in the M67 spec?</p> <p><i>Answer</i> – AHU-47/EX-CU-47 is being replaced by CRAC-1/CU-247, which is on M66.</p>

3.4	<p><i>Question</i> – CU-232 is not shown its location on the Architectural drawings.</p> <p><i>Answer</i> – CU-232 is shown on the roof plan of M20.</p>
3.5	<p><i>Question</i> – A2 door details do not match S3 door details. Can you please verify?</p> <p><i>Answer</i> – Structural Steel angle/lintel sizes and detailing for double door D001 opening as per Structural Drawings, making sure to maintain a continuous and effective air vapour barrier. Add blocking inside block cavity as needed for stability.</p>
3.6	<p><i>Question</i> - Will an alternate or equal be accepted in place of Johnson Controls as specified?</p> <p><i>Answer</i> – As stated in the contract documents and further clarified in item 3.8 of Amendment 1, Johnson Controls shall be retained as the controls contractor for this solicitation. The intent of the project is to replace specific items in the building existing HVAC systems which includes the related Johnson Controls components. The risk of deviation from Johnson Controls has been deemed unacceptable.</p>
3.7	<p><i>Question</i> – A supplier would like to bid the hydronic air handling units using an alternate casing for the air handlers.</p> <p><i>Answer</i> – The following proposed air handler casing meets the casing intent of specification 23 73 10</p> <p><i>Casing:</i></p> <ul style="list-style-type: none"><li>• All unit panels shall be 50mm (2") solid, double-wall construction to facilitate cleaning of unit interior. Unit panels shall be provided with a mid-span, no-through-metal, internal thermal break.</li><li>• Casing thermal performance shall be such that under 12.8°C supply air temperature and design conditions on the exterior of the unit of 27.2°C dry bulb and 22.8°C wet bulb, condensation shall not form on the casing exterior.</li><li>• All exterior and interior indoor AHU panels will be made of galvanized steel.</li><li>• The casing shall not exceed 0.107 mm deflection per 25.4mm of panel span at 1.00 times design static pressure.</li><li>• Panel insulation shall provide a minimum thermal resistance (R) value of 13 ft<sup>2</sup>-h-°F/Btu (RSI 2.29) throughout the entire unit. Insulation shall completely fill the panel cavities in all directions so that no voids exist and settling of insulation is prevented. Panel insulation shall comply with NFPA 90A.</li><li>• Construct casing to withstand up to 2000 Pa positive or negative pressure and achieving less than 1% leakage rate of 2000 Pa positive or negative pressure.</li></ul>

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#### 4. SPECIFICATIONS

4.1	<p>Revision:</p> <p>Section 23 65 10 – Condensers</p> <ol style="list-style-type: none"><li>1. Delete paragraph 2.2.10</li></ol> <p><del>BACnet Communication Interface</del></p> <p><del>→ Communicates directly with a generic open protocol BACnet-MS/TP Network building automation system control</del></p>
4.2	<p><b>Revision:</b></p> <p>Section 25 90 01 – EMCS: SITE REQUIREMENTS, APPLICATIONS AND SYSTEMS SEQUENCES OF OPERATION</p> <ol style="list-style-type: none"><li>1. Add “Cooling LOW stage – DO” and “Cooling HIGH stage – DO”</li></ol> <p>For: AH-16, 26,28,32,101,</p>
4.3	<p>Revision:</p> <p>Section 23 73 11– Air Handling Units - Packaged</p> <ol style="list-style-type: none"><li>1. Add the following section 2.1.5:</li></ol> <p>Construct casing to withstand up to 2000 Pa positive or negative pressure and achieving less than 1% leakage rate of 2000 Pa positive or negative pressure.</p>

**End of Amendment**