

**RETURN BIDS TO:**  
**RETOURNER LES SOUMISSIONS À:**  
**Public Works Government Services Canada- Bid**  
**Receiving / Réception des soumissions**  
**189 Prince William Street**  
**Room 421**  
**Saint John**  
**New Brunswick**  
**E2L 2B9**

## **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 Government Services Canada- Bid**  
**Receiving / Réception des soumissions**  
**189 Prince William Street**  
**Room 421**  
**Saint John**  
**New Bruns**  
**E2L 2B9**

<b>Title - Sujet</b> 50 Bed Living Unit, Westmorland Ins	
<b>Solicitation No. - N° de l'invitation</b> EC016-130878/A	<b>Amendment No. - N° modif.</b> 018
<b>Client Reference No. - N° de référence du client</b> R.043929.001	<b>Date</b> 2012-09-18
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$PWB-020-3101	
<b>File No. - N° de dossier</b> PWB-2-35024 (020)	<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 2012-09-25</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Atlantic Daylight Saving Time ADT
<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> Donovan, Janine PWB	<b>Buyer Id - Id de l'acheteur</b> pwb020
<b>Telephone No. - N° de téléphone</b> (506) 636-5347 ( )	<b>FAX No. - N° de FAX</b> (506) 636-4376
<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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This Tender Amendment Number 18 is raised to include the following **Addendum No. 18.**

The following Addendum to the tender documents is effective immediately. This Addendum shall form part of the contract documents.

**All other terms and conditions remain the same.**

## **Addendum No. 18**

### **1. EXTENSION**

Notice is hereby given that the time for the reception of tenders previously due September 21, 2012 is hereby extended to 14:00 hours, September 25, 2012.

### **2. ENQUIRIES DURING THE SOLICITATION PERIOD**

Please note that no other enquiries will be accepted.

### **3. QUESTIONS AND ANSWERS**

**Q1:** What are the length of poles required for the overhead primary construction? What is the size of primary conductor? In-line switches are not permitted in slack span of primary. What are your options? Can we install cutout switches on the first stable pole? Are you able to add the new pole addition and attach to existing overhead primary to the job scope?

**A1:** A high voltage contractor would be in a position to price the job based on information available and based on NB Power normal practice.

**Q2:** On drawing E-301 at the doorway in corridor 114 leading outside, should there be a pushbutton and door operator?

**A2:** Additional door operator not required.

**Q3:** E-001 & 003: Street lighting on utility poles we need catalogue info. and power supply source? Please note that E-003 does not have a detail for this work as implied by notes on E-001.

**A3:** A high voltage contractor would be in a position to price the job based on information available and based on NB Power normal practice.

**Q4:** Please provide detail for portable guardrail (shown on drwgs A-103 and A-201).

**A4:** We have determined that the information requested is not readily available and that it is not considered essential to your bid.

**Q5:** On drawing E-505, it does not show the 3 speakers from drawing E-400 on the riser. Should they be added in series with the rest?

On drawing E-402, it shows an electric strike (ES) and a card reader (CR) at the doorway to common area 221, but these are not included on the riser on drawing E-503? Where should they be added on the riser?

On drawing E-506, it shows 1x53mmC from the LAN Room 004 to the ground floor and 1x53mmC from the LAN Room 004 to the second floor for CATV, but on drawing E-400 it shows 3x78mmC from the LAN Room 004 to the ground floor and 3x78mmC from the LAN Room 004 to the second floor. How many conduits and what size should be run?

Where in the Mechanical Room 013 is the BAS Controller?

Do all thermostats and temperature sensors have to be run back to the BAS Controller in Mechanical Room 013 in separate conduits?

What size and type of cable is the feed for the CCTV system from the Security Electronics Equipment Cabinet to the existing building F58?

Is the conduit for the (2) video cameras run on the exterior of the building in PVC or interior of the building in emt?

**A5:** We have determined that the information requested is not readily available and that it is not considered essential to your bid.

**Q6:** Specification section 28 16 00, subsection 2.2 - Media Converters are not required for the Simplex Door Security Monitoring System. All equipment is mounted in a standalone wall mount control panel supplied by manufacturer. Can you confirm if this is required for another section and who is required to supply this?

Specification section 28 16 00, subsection 2.4 and 2.5- As the Simplex Door Security Monitoring System does not require any equipment in the Security Electronic Equipment Cabinet who is responsible to provide the cabinet and UPS.

The Fibre run for the Door Security Monitoring System is require to run back the existing Door Security Monitoring Control Panel at the main entrance of Building F-58

**A6:** We have determined that the information requested is not readily available and that it is not considered essential to your bid.

**Q7:** Drawing E-506

- On drawing E-506, it shows 1x53mmC from the LAN Room 004 to the ground floor and 1x53mmC from the LAN Room 004 to the second floor for CATV, but on drawing E-400 it shows 3x78mmC from the LAN Room 004 to the ground floor and 3x78mmC from the LAN Room 004 to the second floor. How many conduits and what size should be run?

Drawing E-100

- Who is responsible for this scope of work? Electrical drawings but mechanical scope
- How are circuits to be divided?
- Is there a maximum allowable length for snow melt cable?

Drawing E-702

- Who is responsible for 4 conduit from receptacle into sump pit?
- What kind of conduit? PVC or EMT?
- Who is responsible for second 2 conduit from pump control panel to sewage sump?
- What type of conduit? PVC or EMT?

Drawing E-301

- Can temperature sensors and thermostat cables be grouped together back to BAS or all in individual conduit?
- Where in mechanical room 013 is BAS?
- Corridor 114, should there be a PB and DO? If so what circuit from which panel?

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### Drawing E-302

- Can temperature sensors and thermostat cables be grouped together back to BAS or all in individual conduit?
- Why are there two mechanical item #38 located in rooms 227 and 226? Mechanical schedule has this items location in room 223. Please explain.

### Drawing E-507

- What is the size of the non-fused disconnect between the transformer tx-1 and the 600v 60a fused disconnect?
- Where is the location of the ground rods shown on drawing E-507 on drawing E-001?

### Drawing E-303

- Addendum #13 Question #6 addresses the issue of how the circuits for the heat trace system are to be divided, please explain further.

### Drawing E-402

- Where are the electric strike and card reader on the door security riser? Please specify where they are to be located on riser as well as what type of cable is required.

### Drawing E-505

- The three speakers from the ground floor on drawing E-400 are not on this riser. Where are they to be located on riser?

### Drawing E-201

- The circuit for the lighting in storage 113A and 133B is J-6. Should this be K-6, as panel K is in the vicinity and panel J is on the second floor?

**A7:** We have determined that the information requested is not readily available and that it is not considered essential to your bid.

**Q8:** On the Drawing E-506 CATV System Riser Diagram. It show a Termination equipment we will need to know the spec as there not spec for.

**A8:** We have determined that the information requested is not readily available and that it is not considered essential to your bid.

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**Q9:** Could we get a copy of the TBITS 6.9 mentioned on Section 27 10 05 Page 1 of 5 under the standards section?

**A9:** We don't issue copies of the standards it is up to the bidder to acquaint himself with all appropriate standards

**Q10:** Would you like to use white cable for both voice & data drops as indicated in the section 2.1?

**A10:** As specified all Cat 6 to be white

**Q11:** Do we need to use FT6 cables instead of FT4 for voice & data cabling as designated in section 2.2 as per changes to National Building code 2010?

**A11:** As far as we understand, FT6 cables are only required in a building that is required to be non-combustible construction. This building is permitted to be combustile construction, so the specification stands.

**Q12:** OSP cable are not rated to Cat 6, Cat 5e is the highest rating however the distance of that cable in-order to be Cat 5e compliant is 90M, I would recommend using a Cat 3 OSP rated cable, can you confirm that is acceptable by your client?

**A12:** This is correct refer to Addendum.

**Q13:** It may be a good idea to run more than six strands of fiber if they will all be used up on day one section 2.9

**A13:** We have determined that the information requested is not readily available and that it is not considered essential to your bid.

**Q14:** Question & Answer #10 on Addendum 12

Q10: In specifications section 27, item 2.5 it calls for Cat6 Outside plant cable, however does not specify a part number. To my knowledge such a OSP plant cable does not exist, can you please confirm this item and if Cat6 is require please provide a reference part number?

A10: Outside Fiber Optic cable is specified on detail 2/E505. Outside Plant cable of this type should be available.

*The answer provided to question #10 has no relevance to the question asked in question #10, we're asking about copper outside plant cable and the answer refers to Fiber Optic cable, please have the consultant clarify.*

Question & answer #12 on Addendum 12

Q12: Fiber optic patch cords are identified on drawing E-505 but no quantity is given or specifications on Fiber optic patch cord requirements. Can you please provide additional information on fiber optic patch cords such as reference part numbers and direction on how to determine quantity required?

A12: Fiber Optic patch cords are to be appropriate to the requirements of the racks & media converters. Quantity is sufficient to complete the installation plus 10% spares.

*Typically the subcontractors don't know how many of the pairs will actually be used when the end user commissions the systems, based on the response above It appears that I'm to provision full use of all pairs and then add 10% spares? Is that the requirement of the end user?*

Question & answer to #13 on addendum 13

Q13: On drawing E-505 there are 2 - 12STR fiber optic cables shown, however in the specifications section these are not listed and are shown on the plans as OSP. Can you please confirm if these are required to be Outdoor rated or permitted to be Distribution type fiber optic cables? For the 12STR OM1 62.5uM fiber would part number B9B042 and for the 12STR OM3 50uM B9C042 would this be acceptable?

A13: Cables referred to are all to be Outdoor rated. Alternate type is not acceptable.

*Code will not allow the use of OSP cable inside a building, if the cable is coming from the outside it needs to be transitioned to an FT4 or FT6 rated cable 10ft upon entering building or leaving conduit. If the route you are taking with your cable is inside the building then the use of an FT4 or FT6 cable is required, OSP cable is not acceptable.*

**A14:** We have determined that the information requested is not readily available and that it is not considered essential to your bid.

#### **4. SPECIFICATION**

##### **1. Reference Specification Section 23 05 00 Common Work Results Mechanical**

- .1 Add Clause 1.9 Connections to Natural Gas Supply:  
Utility gas supplier will bring natural gas supply pipe to external wall of new building and will terminate this pipe at that point. Connection into the new building will be by the General Contractor.

##### **2. Reference Specification Section 23 07 13 Thermal Insulation**

- .1 Clause 3.4 Ductwork Insulation Schedule:
  - 1. Rectangular and Round cold and dual temperature ductwork: Delete thickness 50mm and add 25mm.
- .2 Add Outside air intake ducts: Thickness 50mm, TIAC Code C-1 with vapor retarder.
- .3 Add Exhaust ducts for a distance of 3.0 meters from exterior wall or roof where motorized dampers are not installed: Thickness 25mm, TIAC Code C-1 with vapor retarder for rectangular ducts, TIAC C-2 with vapor retarder for round ducts.
- .4 Note: the discharge air from unit HV-1 is considered to be capable of supplying cold air.

##### **3. Reference Specification Section 26 05 00 Common Work Results for Electrical - General**

- .1 Add Clause 1.11 Connection to Utility Supply:  
Departmental Representative will arrange for payment required to NB Power for connection by NB Power to main utility supply.

##### **4. Reference Specification Section 03 30 00 Cast-In-Place Concrete**

- .1 Clause 2.1.12 Replace 0.25 mm with 15 mil.

##### **5. Reference Specification Section 07 21 16 Batt and Blanket Insulation**



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1. Amend Clause 2.2 heading to read

INSULATION (ACOUSTIC INTERNAL WALLS)

2. Add Clause 2.2.1.3.2

Manufacturer: Roxul, Model: Safe & Sound

**6. Reference Specification Section 07 21 16 Batt and Blanket Insulation**

1. Amend Section Part 2, adding a new paragraph to read:

2.4 INSULATION (THERMAL ATTIC SPACES)

.1 Batt and blanket mineral fiber: to ASTM C 665-98 CAN/ULC-S702-1997.

.1 Type: 1.

.2 Thickness: as indicated.

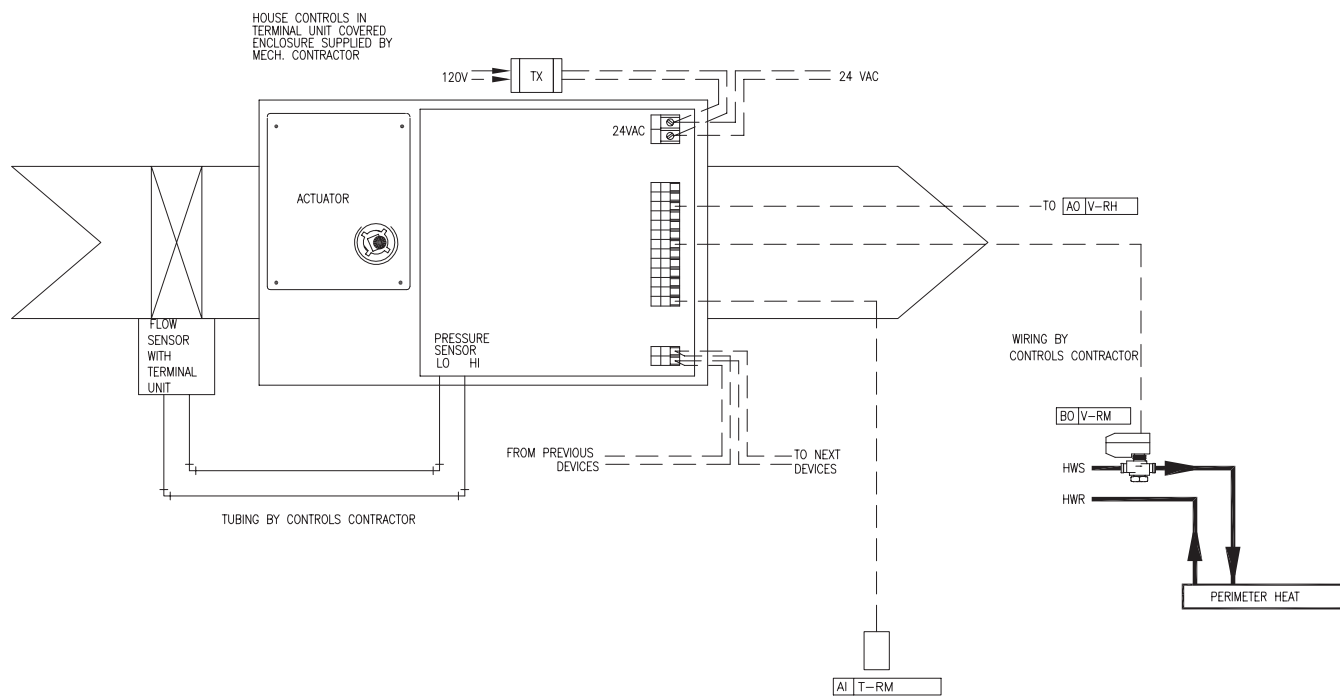
.3 Acceptable Materials:

.1 Manufacturer: Thermafiber, Model:SAFB

.2 Manufacturer: Roxul, Model: ComfortBatt

**7. Reference Specification Section 07 26 00 Sheet Vapour Retarders**

.1 Clause 2.1.1.1.1 Replace 10 mil with 15 mil.



DUMAC ENERGY LIMITED  
752 BEDFORD HWY.  
HALIFAX, N.S.  
B3M 2L9

SCALE NTS

DRAWN BY STAFF

CHECKED BY MGD/MFE

PROJECT WESTMORLAND INSTITUTE

DATE SEPTEMBER 2012

DRAWING VAV TERMINAL CONTROL

DRAWING No. CSK-001