

**RETURN BIDS TO:**  
**RETOURNER LES SOUMISSIONS À:**  
Bid Receiving - PWGSC / Réception des soumissions -  
TPSGC  
11 Laurier St./11 rue Laurier  
Place du Portage, Phase III  
Core 0A1 / Noyau 0A1  
Gatineau, Québec K1A 0S5

**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**  
This document contains a Security Requirement.

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

**Issuing Office - Bureau de distribution**  
Construction Services Division/Division des services de  
construction  
11 Laurier St./11 Rue Laurier  
3C2, Place du Portage  
Phase III  
Gatineau, Québec K1A 0S5

<b>Title - Sujet</b> Fire Alarm/Voice System Replacement	
<b>Solicitation No. - N° de l'invitation</b> EP067-140215/A	<b>Amendment No. - N° modif.</b> 003
<b>Client Reference No. - N° de référence du client</b> 20140215	<b>Date</b> 2013-07-12
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$FG-356-62911	
<b>File No. - N° de dossier</b> fg356.EP067-140215	<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 2013-07-24</b>	
<b>Time Zone</b> Fuseau horaire Eastern Daylight Saving Time EDT	
<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> Lagacé, Hélène	<b>Buyer Id - Id de l'acheteur</b> fg356
<b>Telephone No. - N° de téléphone</b> (819) 956-0060 ( )	<b>FAX No. - N° de FAX</b> (819) 956-8335
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> TPSGC/PWGSC NATIONAL CAPITAL AREA (OTTAWA) LESTER B. PERASON BLDG SUSSEX DRIVE OTTAWA-ON K1A 0S5 CANADA	

**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>

Solicitation No. - N° de l'invitation

EP067-140215/A

Client Ref. No. - N° de réf. du client

20140215

Amd. No. - N° de la modif.

003

File No. - N° du dossier

fg356EP067-140215

Buyer ID - Id de l'acheteur

fg356

CCC No./N° CCC - FMS No/ N° VME

---

This amendment is raised to issue Addendum No.1.

## Addendum No. 1

## ADDENDUM No. 01

Project Number: PWGSC R.011489.002

---

The following changes in the bid documents are effective immediately. This addendum will form part of the contract documents.

### DRAWINGS

- 1 ARCHITECTURAL
  - .1 A065 – MISCELLANEOUS DETAILS
    - i. Clarification: The word “recessed” when used in the following “Typical Recessed Installation” is referring to the electrical conduit. The cover box is always surface mounted.
- 2 ELECTRICAL
  - .1 E010 – GENERAL ARRANGEMENT PLAN
    - i. Delete General Note “B” and replace with: Tower “E” devices to be fed from Tower “A”.
    - ii. Refer to details 2, 3 and 4 on this drawing for location of transponders and annunciators for Tower A-2<sup>nd</sup> floor, Tower A-3<sup>rd</sup> floor and Tower B-1<sup>st</sup> floor.
    - iii. Each transponder noted in item (ii) above is to include one addressable loop, two speaker circuits (2 x 40 Watts per circuit), one LCD display and minimum one spare slot for an expansion module.
  - .2 E012 – ZONE RISER
    - i. Detail 1 – Add the following to Note 5: Characteristics and size of cables to be as per specification and as per manufacturer’s requirements and recommendations.
  - .3 E016 – EVACUATION TABLE
    - i. Add General Note #5 – Drawing E012 indicates additional zones such as elevator shafts, stairwells and kitchen systems while those same zones have not been identified in this evacuation table. Programming of all zones is to be provided during construction by the Contractor. Furthermore, the Contractor is to update the evacuation table to include all zones and submit for approval prior to start of programming.
  - .4 E018 – TYPICAL TOWER PHASING SCHEMATIC
    - i. Add General Note C – The phasing of the transfer of existing to remain devices (flow and tamper switches for example) are diagrammatic. Some floors may or may not contain auxiliary circuits.

**ADDENDUM No. 01**

**Project Number: PWGSC R.011489.002**

---

**.5 E100, E101, E103, E105, E203, E205, E301, E303, E304, E307, E404 – VARIOUS FLOOR PLANS**

- i. Locations of flow and tamper switches: Refer to table below indicating missing flow and tamper switches location on the noted drawings:

DRAWING	COLUMN LOCATION(S)
E100	H-116
E101	H-116
E103	H-116, J-136
E105	H-116
E203	K-80, M-98
E205	K-80, M-98
E301	See item (ii) below
E303	N-32, P-74
E304	N-32, P-74
E307	Nx-44, P-80
E404	G-44. G-62

- ii. Tower C, 1<sup>st</sup> floor includes the following missing devices:
    - 1. 3 tamper and 3 flow switches in cafeteria.
    - 2. 2 tamper switches in kitchen.
    - 3. 2 tamper and 1 flow switch in café.
  - iii. Clarification: Each office floors of each tower has a minimum of two tamper switches and two flow switches.
- .6 E200-A TOWER B BASEMENT FLOOR NEW CONTINUATION**
- i. Delete “BASEMENT FLOOR” from drawing title and replace with “GROUND FLOOR”.
- .7 E202 – TOWER B 2<sup>ND</sup> FLOOR NEW**
- i. Delete four (4) Type S7 speakers in main lobby atrium located between gridlines K and J.
  - ii. Add three (3) Type S7 speakers in main lobby atrium located between gridlines K and J. Re-use exact locations from existing speakers as noted on drawing DE202.
  - iii. Add Drawing Note 4: Metal slat ceiling in main lobby is designated as heritage. Carefully remove and store affected areas for reinstatement after construction completion. Modify existing ceiling to suit Type S7 speakers shown.
- .8 E205 – TOWER B 5<sup>th</sup> FLOOR NEW**
- i. Provide smoke detector at top of stairwell B2.
- .9 E301 – TOWER C 1<sup>st</sup> FLOOR NEW**
- i. Provide fire phone, manual pull station and ZAM at stair C3.
-

## ADDENDUM No. 01

Project Number: PWGSC R.011489.002

---

- .10 E305 – TOWER C 5<sup>th</sup> FLOOR NEW
  - i. Provide smoke detector at top of stairwell C5.
- .11 E307 – TOWER C 7<sup>TH</sup> FLOOR NEW
  - i. See attached revised drawing showing locations of devices.
- .12 E600 series
  - i. Walk-in plenums shown on drawings E600 through E604 can be identified as the areas with doors.
  - ii. Each drawing indicates one power pack (or power distribution unit). Provide additional power packs as required by manufacturer.
  - iii. Provide one 15 A, 120V circuit for each power pack and feed from emergency panel located in mechanical room.

## SPECIFICATIONS

- 1 Section 01 00 10 – General Instructions
    - .1 Add item 1.6.3.10 – Identify and assign a Site Supervisor for each shift. Furthermore, the Project Manager must ensure that the Site Supervisor's shifts overlay sufficiently (minimum one hour) to ensure that current information is transferred efficiently and effectively at the start/end of each shift.
  - 2 Section 01 14 00 – Work Restrictions
    - .1 Delete in their entirety items 1.7.1.1, 1.7.1.2, and 1.7.1.3.
    - .2 Clarification: Note that the security clearance is mentioned in the Invitation to Tender document under "Special Instructions SI 10 - Security Related Requirements" and also refer to "Supplementary Conditions SC 01 - Security Requirement".
  - 3 Section 01 32 16.07 – Construction Progress Schedule and Reports
    - .1 Item 1.7: Replace "Three week look ahead schedule" with "Four week look ahead schedule".
    - .2 Add to Item 1.7.1 – Four week look ahead schedule to be updated and submitted weekly to the project team.
    - .3 Add to Item 1.8.4 – Refer to Appendix A for additional information.
    - .4 Item .1 above is typical for not only this section but applies to all sections.
  - 4 Section 03 73 20 – Concrete Restoration and Cleaning
    - .1 See attached specification section.
  - 5 Section 05 50 00 – Metal Fabrication
-

## ADDENDUM No. 01

Project Number: PWGSC R.011489.002

---

- .1 See attached specification section.
- 6 Section 28 31 00 – Fire Detection and Alarm
- .1 Add item 1.6.14 – Program of work does not include the annual/monthly testing and repairs on the existing fire alarm system which will be carried out by others outside of this contract.
  - .2 Item 2.5.4 – Replace “4 hours of full alarm functions” with “2 hours of full alarm functions”.
  - .3 Add item 2.8.8 – Quantity: 30 auxiliary circuits per transponder
  - .4 Add item 2.17.5 – Identical user interface / graphic workstations (including system bypassing, fire phone and paging capabilities) are to be provided at both the CACF room and the security office. The only difference is the selector switch described in item 2.17.4.
- 7 Section 28 31 01 – Air Sampling Smoke Detection Systems
- .1 Delete item 1.3.7

PART 1 - GENERAL

1.1 REFERENCES

- .1 U.S. General Services Administration
  - .1 Historical Preservation, General Project Guidelines, Procedure Code 01100-07-S.

1.2 ADMINISTRATIVE

- .1 This procedure includes guidance on patching spalls holes in concrete with a cementitious patching material.
- .2 See CSA 01100-07-S for general project guidelines to be reviewed along with this procedure. These guidelines cover the following sections:
  - .1 Safety Precautions
  - .2 Historic Structures Precaution
  - .3 Submittals
  - .4 Quality Assurance
  - .5 Delivery, Storage and Handling
  - .6 Project/Site Conditions
  - .7 Sequencing and Scheduling
  - .8 General Protection (surface and surrounding)
- .3 These guidelines should be reviewed prior to performing this procedure and should be followed, when applicable along with recommendations from the Departmental Representative.

1.3 QUALITY ASSURANCE

- .1 Masonry and Concrete Repair:
  - .1 Prepare sample pane size indicated for each type of masonry material indicated to be patched, rebuilt or replaced.

PART 2 - PRODUCTS

2.1 MATERIALS

- .1 Concrete Patching Material:
  - .1 One component, early strength-gaining, cementitious patching mortar for vertical and horizontal concrete repair.
  - .2 Density: 2250 kg/m<sup>3</sup> as per ASTM C185.
  - .3 Compressive Strength: 40 MPa at 28 days as per ASTM C109.
  - .4 Modulus of Elasticity: 27 GPa at 7 days as per ASTM C469.

- .5 Tensile Splitting Strength: 4 MPa at 21 days as per ASTM C496.
- .6 Bond Strength: 1.5 MPa at 7 days as per CAN A23.2-6B.
- .2 Water: clean, free of oils, acids, alkalis and organic matter.
- .3 Surface Finish Aggregate: as required to produce the desired finish from a single source to match existing precast concrete panels in the building.

2.2 EQUIPMENT

- .1 Trowels.
- .2 Chisels.
- .3 Stiff bristle brushes (non-metallic).

PART 3- EXECUTION

3.1 PREPARATION

- .1 Protection:
  - .1 Protect persons, surrounding surfaces of building whose masonry surfaces are being restored, and building site, from injury resulting from masonry restoration work.
  - .2 Erect temporary protection covers over pedestrian walkways and at points of entrance and exit for persons which must remain in operation during course of masonry restoration work.
  - .3 Contractor to test those areaway drains, etc., which will be used to assure that drains are functioning properly prior to performing masonry restoration operations in those areas. The Contractor to report immediately to the Departmental Representative the location of drains which are found to be stopped up or blocked.
  - .4 Prevent grout or mortar used in repointing and repair work from staining face of surrounding masonry and other surfaces. Remove immediate grout and mortar in contact with exposed masonry and other surfaces.
  - .5 Protect sills, ledges, windows, and projections from patching material droppings.

- .2 Refer to Section 01 56 00 - Temporary Barriers, Protection and Enclosures.

3.2 ERECTION,  
INSTALLATION, APPLICATION

- .1 Remove deteriorated concrete at spalls to sound material. Grind, chisel or saw cut 6 mm deep undercut around perimeter of patch. Clean with compressed air. Thoroughly remove any concrete showing traces of oils or grease.
- .2 Thoroughly wet patched area prior to casting concrete patching material. If cement patching material manufacturer recommends a different procedure, such procedure is to be followed and executed in accordance with published instructions and in accordance with approved test patch.
- .3 Install cement patching material in strict accordance with manufacturer's published instructions.
- .4 Finish surface to match surface being patched, by grinding, troweling, sacking, or brushing.

3.3 ADJUSTING/CLEANING

- .1 After mortar has fully hardened, thoroughly clean exposed masonry surfaces of excess mortar and foreign matter using stiff nylon or bristle brushes and clean water, spray applied at a low pressure.
- .2 Use of metal scrapers or brushes will not be permitted.
- .3 Use of acid or alkali cleaning agents will not be permitted.
- .4 Clean as per Section 01 74 11 - Cleaning.

END OF SECTION

PART 1 - GENERAL

- 1.1 RELATED SECTIONS .1 Section 01 33 00 - Submittal Procedures.
- 1.2 REFERENCES .1 Canadian General Standards Board (CGSB):  
.1 CAN/CGSB-1.40-97, Anti-corrosive Structural Steel Alkyd Primer.  
.2 CAN/CGSB-1.181-99, Ready-Mixed, Organic Zinc-Rich Coating.
- .2 Canadian Standards Association (CSA International):  
.1 CAN/CSA-G40.20/G40.21-04 (R2009), General Requirements for Rolled or Welded Structural Quality Steel.  
.2 CSA W48-06, Filler Metals and Allied Materials for Metal Arc Welding (Developed in cooperation with the Canadian Welding Bureau).  
.3 CSA W59-03(R2008), Welded Steel Construction (Metal Arc Welding) (Imperial Version).
- .3 American Society for Testing and Materials International (ASTM):  
.1 ASTM A 53/A53M-10, Standard Specification for Pipe, Steel, Black and Hot Dipped, Zinc coated Welded and Seamless.  
.2 ASTM F593-02(R2008), Standard Specification for Stainless Steel Bolts, Hex Cap Screws, and Studs.
- 1.3 SUBMITTALS .1 Product Data:  
.1 Submit manufacturer's printed product literature, specifications and data sheet in accordance with Section 01 33 00 - Submittal Procedures.  
.2 Submit two copies of WHMIS MSDS - Material Safety Data Sheets in accordance with Section 01 33 00 - Submittal Procedures. Indicate VOC's for finishes, coatings, primers, and paints.
- .2 Shop Drawings:  
.1 Submit shop drawings in accordance with Section 01 33 00 - Submittal Procedures.  
.2 Indicate materials, core thicknesses, finishes, connections, joints, method of anchorage, number of anchors, supports, reinforcement, details, and accessories.

- .3 Fabricator drawings to indicate that field conditions and embedded rebar have been taken into account.
- .4 Provide mock-ups for approval by Departmental Representative.

1.4 QUALITY ASSURANCE

- .1 Test Reports: Certified test reports showing compliance with specified performance characteristics and physical properties.
- .2 Certificates: Product certificates signed by manufacturer certifying materials comply with specified performance characteristics and criteria and physical requirements.
- .3 Pre-installation Meetings: Conduct pre-installation meeting to verify project requirements, manufacturer's installation instructions and manufacturer's warranty requirements.

1.5 DELIVERY, STORAGE, AND HANDLING

- .1 Storage and Protection:
  - .1 Leave protective covering in place until final cleaning of building. Provide instructions for removal of protective covering.

PART 2 - PRODUCTS

2.1 MATERIALS

- .1 Steel sections and plate: to CAN/CSA-G40.20/G40.21, Grade 350W.
- .2 Welding materials: to CSA W59.
- .3 Welding electrodes: to CSA W48 Series.
- .4 Bolts: to ASTM A325 for 16 mm or greater. Bolts less than 16 mm diameter to SAE J429 Grade 5 or better. Bolts to be bright zinc plated as a minimum level of corrosion protection.
- .5 Bolts and anchor bolts: to ASTM A 307.
- .6 Sheet aluminum: 3 mm clear Anodized Aluminum, Architectural Class II (.4 mils minimum) to AA-M12C22A31.

- 2.2 FABRICATION .1 Fabricate work square, true, straight and accurate to required size, with joints closely fitted and properly secured.
- .2 Where possible, fit and shop assemble work, ready for erection.
- .3 Where visible, welds to be continuous and ground smooth.
- 2.3 FINISHES .1 Finish to be recognized by the Aluminum Association Designation System. Colour to match existing conditions.
- .2 Provide mock-up with colour selection to Departmental Representative for approval.
- 2.4 EXTERIOR TREATMENT .1 All metal fabrications are to be assembled from Hot-dipped Galvanized components bolted with stainless steel fasteners. Design and detail exterior metal fabrications to avoid field welding.

PART 3 - EXECUTION

- 3.1 ERECTION .1 Verify dimensions, tolerances and method of attachment with other work.
- .2 Erect metalwork square, plumb, straight, and true, accurately fitted, with tight joints and intersections.
- .3 Provide suitable means of anchorage acceptable to Departmental Representative such as dowels, anchor clips, bar anchors, expansion bolts and shields, and toggles.
- .4 Exposed fastening devices to match finish and be compatible with material through which they pass.
- .5 Provide components for building by other sections in accordance with shop drawings and schedule.
- .6 Make field connections with bolts to CAN/CSA-S16 or weld.

- .7 Hand items over for casting into concrete or building into masonry to General Contractor to coordinate with appropriate trades. Provide setting templates to ensure accurate installation of built-in items.
- .8 Touch-up rivets, field welds, bolts and burnt or scratched surfaces after completion of erection with matched primer.
- .9 Touch-up galvanized surfaces with zinc rich primer where burned by field welding.

3.2 CLEANING

- .1 Remove protective material from prefinished aluminum surfaces.
- .2 Repair and touch-up minor surface damage, only where appearance after touch-up is acceptable to Departmental Representative.
- .3 Perform cleaning after installation to remove construction and accumulated environmental dirt. Wash door surfaces with a solution of mild detergent in warm water, applied with soft, clean wiping cloths. Wipe surfaces clean.
- .4 Upon completion of installation, remove surplus materials, rubbish, tools and equipment barriers.
- .5 Protection finished work from damage.

END