



**RETURN BIDS TO:**

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1713 Bedford Row  
Halifax, N.S./Halifax, (N.E.)

Halifax  
Nova Scotia  
B3J 1T3

Bid Fax: (902) 496-5016

**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**  
Atlantic Region Acquisitions/Région de l'Atlantique  
Acquisitions  
1713 Bedford Row  
Halifax, N.S./Halifax, (N.E.)  
Halifax  
Nova Scot  
B3J 1T3

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|---|--|
| <b>Title - Sujet</b><br>CCGC Mechanical and Sprinklers  |  |
| <b>Solicitation No. - N° de l'invitation</b><br>EB144-190543/A  | <b>Amendment No. - N° modif.</b><br>009                                    |
| <b>Client Reference No. - N° de référence du client</b><br>EB144-19-0543  | <b>Date</b><br>2018-08-15  |
| <b>GETS Reference No. - N° de référence de SEAG</b><br>PW-SPWA-121-5750   |  |
| <b>File No. - N° de dossier</b><br>PWA-8-80020 (121)  | <b>CCC No./N° CCC - FMS No./N° VME</b>                                     |
| <b>Solicitation Closes - L'invitation prend fin</b><br><b>at - à 02:00 PM</b><br><b>on - le 2018-08-21</b>  | <b>Time Zone</b><br>Fuseau horaire<br>Atlantic Daylight Saving<br>Time ADT |
| <b>F.O.B. - F.A.B.</b><br><b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/> |  |
| <b>Address Enquiries to: - Adresser toutes questions à:</b><br>Russell (PWA), Alex  | <b>Buyer Id - Id de l'acheteur</b><br>pwa121                               |
| <b>Telephone No. - N° de téléphone</b><br>(902) 401-8180 ( )  | <b>FAX No. - N° de FAX</b><br>(902) 496-5016                               |
| <b>Destination - of Goods, Services, and Construction:</b><br><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><br>Raison sociale et adresse du fournisseur/de l'entrepreneur  |  |
| <b>Telephone No. - N° de téléphone</b><br><b>Facsimile No. - N° de télécopieur</b>   |  |
| <b>Name and title of person authorized to sign on behalf of Vendor/Firm</b><br><b>(type or print)</b><br><b>Nom et titre de la personne autorisée à signer au nom du fournisseur/</b><br><b>de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b> |  |
| <b>Signature</b>   | <b>Date</b>                                  |

Amendment 009 is being issued to provide the following questions and answers, as well as additional specifications.

La modification 009 vise à fournir les questions et réponses suivantes, ainsi que d'autres spécifications.

Q1. Please identify the intent of paint finishes as it pertains to repainting of existing walls and ceilings scheduled to remain.

*A1. Refer spec section 099100 Painting, Section 3.4. Preparation - Repainting. Refer also section 3.6 Application which applies to both existing/repainted and finishes to newly constructed works. \*

Q2. Please identify the intent of paint finishes as it pertains to doors and frames scheduled to remain.

*A2. Refer 08 11 13/ 2.18.2. referencing 09 91 00/ specifically clauses 2.5, 2.6, 3.4, 3.6 and other clauses as applicable to the door location and type. Existing exterior and interior doors shall be prepared and painted in accordance with paint manufacturers requirements per 09 91 00/ 3.2.2.*

Q3. Please provide a specification for the vinyl flooring and base.

*A3. Sheet and tile vinyl flooring used for repair or replacement of areas disturbed by the works should be supplied and installed to match existing, and to the Departmental Representatives approval. Color and pattern to be from manufacturer's standard range and confirmed on site, and to the Departmental Representatives approval. Sheet Vinyl flooring where installed as a new floor finish within a space in its entirety: refer to specification section 09 65 16 attached to this addendum.*

Q4. Can you please confirm that Demolition Note 3 as it pertains to the suspended wood boards that the black material directly underneath the wood slat is insulation as indicated in the note or is another material (ie. Plywood or drywall).

*A4. Demolition note 3 includes removal of the complete wood floor deck assembly as found, and as necessary to carry out works below that assembly, as described. We cannot confirm the exact nature of assemblies without full opening up of site conditions in all instances of these works as shown on the drawings.*

## **SPECIFICATIONS**

**ADD: 09 65 16 RESILIENT SHEET FLOORING**

Section in its entirety

**PART 1 GENERAL**

**1.1 REFERENCES**

- .1 ASTM International (ASTM)
  - .1 ASTM F1859-14e1 Standard Specification for Rubber Sheet Floor Covering Without Backing.
  - .2 ASTM F1860-14e1 Standard Specification for Rubber Sheet Floor Covering With Backing.
- .2 Underwriters Laboratories of Canada (ULC)
  - .1 CAN/ULC S102.2-10, Method of Test for Surface Burning Characteristics of Flooring, Floor Covering and Miscellaneous Materials and Assemblies.
- .3 South Coast Air Quality Management District (SCAQMD)
  - .1 SCAQMD Rule 1113-13, Architectural Coatings.
  - .2 SCAQMD Rule 1168-A2011, Adhesive and Sealant Applications.

**1.2 ADMINISTRATIVE REQUIREMENTS**

- .1 Pre-Installation Meetings:
  - .1 Convene pre-installation meeting 1 week prior to beginning work of this Section and on-site installation, with Contractor's Representative and Departmental Representative in accordance with Section 01 31 19 - Project Meetings to:
    - .1 Verify project requirements.
    - .2 Review installation and substrate conditions.
    - .3 Coordination with other construction subtrades.
    - .4 Review manufacturer's written installation instructions and warranty requirements.
- .2 Sequencing: sequence with other work in accordance with Section 01 14 10. Comply with manufacturer's written recommendations for sequencing construction operations.
  - .1 Resilient sheet flooring work shall be performed after painting and sealant applications are finished in affected floor areas. Install resilient sheet flooring after work that may stain or damage flooring. Protect from construction damage.
- .3 Scheduling: schedule with other work in accordance with Section 01 14 10.

**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 technical datasheets for resilient sheet flooring and include product characteristics, performance criteria, physical size, finish and limitations.

**1.4 MAINTENANCE MATERIAL SUBMITTALS**

- .1 Extra Materials:
  - .1 Provide maintenance materials of resilient sheet flooring, base and adhesive in accordance with Section 01 78 00 - Closeout Submittals.
  - .2 Provide 2 square metres of each colour, pattern and type flooring material required for this project for maintenance use.
  - .3 Extra materials from same production run as installed materials.
  - .4 Identify each container of floor sheet and each container of adhesive.

- .5 Deliver to Departmental Representative, upon completion of the work of this section.
- .6 Store where directed by Departmental Representative.

## **1.5 QUALITY ASSURANCE**

- .1 Regulatory Requirements: Provide products that meet requirements of ULC S102.2 as applicable for required flame spread ratings; labelled and listed by Underwriters Laboratories of Canada (ULC), or another testing and inspecting agency acceptable to authorities having jurisdiction.
- .2 Single Source Limitations: Obtain each type, colour, and pattern of flooring or accessories specified from one source with resources to provide products of consistent quality in appearance and physical properties without delaying the Work.

## **1.6 DELIVERY, STORAGE AND HANDLING**

- .1 Deliver, store and handle materials in accordance with Section 01 61 00 - Common Product Requirements and with manufacturer's written instructions.
- .2 Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled with manufacturer's name and address.
- .3 Storage and Handling Requirements:
  - .1 Store materials indoors in dry location and in accordance with manufacturer's recommendations in clean, dry, well-ventilated area.
  - .2 Store and protect specified materials from damage.
  - .3 Replace defective or damaged materials with new.

## **1.7 SITE CONDITIONS**

- .1 Ambient Conditions:
  - .1 Maintain air temperature and structural base temperature at flooring installation area above 20 degrees C for 48 hours before, during and for 48 hours after installation.

## **1.8 WARRANTY**

- .1 For the work of this Section, the 12-month warranty period prescribed in Subsection GC 3.13 of General Conditions "C" is extended to 24 months.

## **PART 2 PRODUCTS**

### **2.1 MATERIALS**

- .1 Rubber sheet flooring: rated to heavy commercial use; meets or exceeds ASTM F1859 Type I specifications.
  - .1 Class: Commercial 34 or higher usage rating.
  - .2 Composition: Homogeneous vulcanized rubber compound.
  - .3 Surface: smooth.
  - .4 Back of Roll: Smooth, double-sanded back.
  - .5 Colour and Pattern: 2 colours, as selected by Departmental Representative from manufacturer's full range.
  - .6 Thickness: 2 mm thick.
  - .7 Hardness: ASTM D2240, Shore type A, required  $\geq 85$ .
  - .8 Chemical resistance to ASTM F925: Passes.

- .9 Static coefficient of friction - ASTM D2047: > 0.6.
- .10 Static Load Limit - ASTM F970: Passes 250 PSI with less than 0.005 in. residual indentation.
- .11 Heat Stability by Color Change - ASTM F1514:  $\Delta E < 8$ .
- .12 Inherent Static Control: less than 2.0 Kilovolts at 21°C and 20% relative humidity.
- .13 Fire Response: meets NBC 2015 requirements.

## **2.2 ACCESSORIES**

- .1 Rubber Base: rubber, to ASTM F1861, coved, minimum 1200 mm length and 100 mm high x 3 mm thick, including pre-moulded end stops and external corners for coved base only, of colour selected by Departmental Representative.
- .2 Metal edge strips: extruded, smooth, mill finish aluminum, with lip to extend under floor finish, shoulder flush with top of adjacent floor finish.
- .3 Sub-floor filler and leveler 2-part latex-type filler requiring no water, as recommended by flooring manufacturer for use with their product.
- .4 Primers and adhesives: waterproof, recommended by flooring manufacturer for specific material on applicable substrate, above, at or below grade.
  - .1 Flooring adhesives: Adhesive: comply to Green Seal GC-36 or equivalent for maximum VOC limit.
- .5 Pre-fabricated pre-formed cove base: shall be compatible with flooring materials. Provide manufacturer's recommended or supplied adhesive for cove installation.
  - .1 Cove base adhesives: Adhesive: comply to Green Seal GC-36 or equivalent for maximum VOC limit.
- .6 Sealer/Finish: water-based type recommended by flooring manufacturer; comply with Green Seal GC-36 or equivalent for maximum VOC limit.
- .7 Flooring protection: 46 Mil (1.2 mm) thick, heavy duty, non-staining, spill-resistant (protects floor against water, paint, mud, etc.) temporary floor protection.

## **PART 3 EXECUTION**

### **3.1 EXAMINATION**

- .1 Verification of Conditions: verify that conditions are acceptable for product installation in accordance with manufacturer's written instructions.
  - .1 Check and verify that no irregularities exist that would affect quality of execution of work specified.
  - .2 Inform Departmental Representative of unacceptable conditions immediately upon discovery.
  - .3 Proceed with installation only after unacceptable conditions have been remedied and after receipt of written approval to proceed from Departmental Representative.

### **3.2 MANUFACTURER'S INSTRUCTIONS**

- .1 Compliance: comply with manufacturer's printed preparation and installation instructions, technical datasheets, and specifications.

### **3.3 PREPARATION**

- .1 Coordinate with Section 03 01 30.71- Concrete Repairs.
- .2 Ensure concrete floors are dry, by using test methods recommended by sheet manufacturer.
- .3 Remove or treat old adhesives to prevent residual, old flooring adhesives from bleeding through to new flooring and/or interfering with the bonding of new adhesives.
- .4 Clean floor and apply filler; trowel and float to leave smooth, flat hard surface. Prohibit traffic until filler cured and dry.
- .5 Remove sub-floor ridges and bumps. Fill low spots, cracks, joints, holes and other defects with sub-floor filler.
- .6 The flooring, adhesives, and accessories shall be acclimated in the manufacturer's recommended environmental conditions for at least 48 hours prior to use.
- .7 Areas of the flooring subjected to direct sunlight, for example through doors or windows, shall be covered using blinds, curtains, cardboard or similar materials for 24 hours before, during, and for a period of 72 hours after the installation to allow adhesives to cure.
- .8 Install pre-fabricated pre-formed cove base compatible with flooring materials using the manufacturer's supplied or recommended adhesive.

### **3.4 SHEET INSTALLATION**

- .1 Provide high ventilation rate, with maximum outside air, during installation, and for 48 to 72 hours after installation. If possible, vent directly to outside. Do not let contaminated air recirculate through district or whole building air distribution system. Maintain extra ventilation for at least 1 month following building occupation.
- .2 Dry-lay the sheet flooring into the correct position while overlapping all seams by one inch, leaving the ends slightly long. Do not dry-lay more material than will be adhered that day. Make relief cuts as required to avoid tears at all corners.
- .3 Apply adhesive uniformly using recommended trowel. Do not spread more adhesive than can be covered by flooring before initial set takes place.
- .4 Lay flooring with seams parallel to building lines to produce a minimum number of seams. Border widths minimum 1/3 width of full material.
- .5 Run sheets in direction of traffic. Double cut sheet joints and continuously heat weld according to manufacturer's printed instructions.
- .6 Heat weld seams of linoleum sheet flooring in accordance with manufacturer's printed instructions.
- .7 As installation progresses, and after installation roll flooring with 45 kg minimum roller to ensure full adhesion.
- .8 Cut flooring around fixed objects.
- .9 Install feature strips and floor markings where indicated. Fit joints tightly.
- .10 Install flooring in pan type floor access covers. Maintain floor pattern.
- .11 Continue flooring over areas which will be under built-in furniture.
- .12 Continue flooring through areas to receive movable type partitions without interrupting floor pattern.

- .13 Terminate flooring at centreline of door in openings where adjacent floor finish or colour is dissimilar.
- .14 Install metal edge strips at unprotected or exposed edges where flooring terminates.

### **3.5 BASE INSTALLATION**

- .1 Lay out base to keep number of joints at minimum. Base joints at maximum length available or at internal or pre-moulded corners.
- .2 Clean substrate and prime with one coat of adhesive.
- .3 Apply adhesive to back of base.
- .4 Set base against wall and floor surfaces tightly by using 3 kg hand roller.
- .5 Install straight and level to variation of 1:1000.
- .6 Scribe and fit to door frames and other obstructions. Use pre-moulded end pieces at flush door frames.
- .7 Cope internal corners. Use pre-moulded corner units for right angle external corners. Use formed straight base material for external corners of other angles, minimum 300 mm each leg. Wrap around toeless base at external corners.

### **3.6 FIELD QUALITY CONTROL**

- .1 Manufacturer's Field Services:
  - .1 Coordinate manufacturer's services with Section 01 45 00 - Testing and Quality Control. Have manufacturer review work involved in handling, installation / application, protection and cleaning of its products, and submit written reports, in acceptable format, to verify compliance of work with Contract.
  - .2 Manufacturer's field services: provide manufacturer's field services, consisting of product use recommendations and periodic site visits for inspection of product installation, in accordance with manufacturer's instructions.
  - .3 Schedule site visits:
    - .1 After delivery and storage of products, and when preparatory Work, or other Work, on which the Work of this Section depends, is complete but before installation begins.
    - .2 Upon completion of Work, after cleaning is carried out.
  - .4 Obtain reports within 3 days of review and submit immediately to Departmental Representative.

### **3.7 CLEANING**

- .1 Progress Cleaning: clean in accordance with Section 01 74 00 - Cleaning. Leave Work area clean at end of each day.
- .2 Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment in accordance with Section 01 74 00 - Cleaning. Perform cleaning after installation to remove construction and accumulated environmental dirt.
- .3 Remove excess adhesive from floor, base and wall surfaces without damage.
- .4 Clean and seal/finish floor and base surface to flooring manufacturer's instructions. In carpeted areas clean, seal and wax base surface before carpet installation.
- .5 Manage and dispose of demolition and construction waste materials in accordance with Section 01 74 21 - Construction/Demolition Waste Management & Disposal.

**3.8 PROTECTION**

- .1 Protect installed products and components from damage during construction.
- .2 Repair damage to adjacent materials caused by Work of this Section.

**END OF SECTION**