



Invitation to Tender (ITT)  
Loading Dock Repair  
Reference #: NGC114198  
Buy and Sell Reference #: PW-18-00823567  
April 24, 2018

## ADDENDA # 2

This Addendum forms part of the contract documents and is to be read, interpreted, and coordinated with all other parts. The cost of all contained herein is to be included in the contract sum. Acknowledge receipt of this Addendum by inserting its number and date on the Tender Form, specifically article G.2.

1. Can you kindly provide the following?

- Drawing showing the all mechanical ductwork, equipment and electrical of the entire ceiling space. This is required to determine, how many , what size of seals we have to install around ductwork, equipment and electrical conduits etc.

**NGC Response:** We do not have as-builts for mechanical

- Drawing of the type of existing ceiling structure; i.e. structure drawing of ceiling above. This is required to see what type of fasteners and how we can suspend the enclosure off the ceiling structure

**NGC Response:** See attached drawing

- Floor to ceiling heights.

**NGC Response:** Please refer to Addenda #1, Question 5.

2. The following amendments will be made to Appendix F - Scope of Work (EN)

**Delete** article 2.1.1. of section 07180 Slab-on-Grade Coating:

“.1 Waterproof Traffic Coating: High-solids, low odour....Sikalastic 394 top coat”

and **replace** with the following:

“.1 Waterproof Traffic Coating: Resinous waterproofing flooring system, low odour, low VOC, liquid applied polyurethane or methyl-methacrylate membrane topped with a liquid applied wear course, ultraviolet resistant with suitable aggregates to create a non-skid, traffic resistant wear surface. The system should include reinforcement, crack treatments, flashings, sealants and all other accessories as required by traffic coating manufacturer. Acceptable traffic coating systems:

Ucrete DP System, as manufactured by BASF, consisting of the following components:

Basecoat BC6

Quartz/silica sand aggregate by BASF



MasterTop TC 493 top coat.

Vulkem EWS with Puma Technology by Tremco, consisting of the following componets:

Tremco Puma Primer

Tremco Puma Basecoat

Tremco Puma Wearcoat

Quartz/Silica sand aggregate

Tremco Puma Topcoat”

**Delete** article 2.1.10 of section 07180 Slab-on Grade Coating:

“.10 Traffic Paint: Permanent retro-reflective...Sikafloor Duochem LM.”

and **replace** with the following:

“.10 Traffic Paint: Permanent retro-reflective yellow paint to match the existing in accordance with OPSS 532. To be compatible with Waterproof Traffic Coating system.”

**Delete** article 3.2.1 of section 07180 Slab-on Grade Coating:

“.1 Clean and prepare all new/existing...Abrasive Blast Cleaning.”

and **replace** with the following:

“.1 Clean and prepare all new/existing concrete surfaces to receive traffic bearing coating system by Medium/Heavy Blast Cleaning. As a minimum, mechanically prepare substrate to remove previous paint coatings, dirt, dust, oil, grease, coatings, laitance, efflorescence, mildew, fungus, cracked, brittle and non-adhering coatings, and miscellaneous surface contamination by shotblast method to profile equal to International Concrete Repair Institutes - CSP 5.”

**Delete** article 3.2.4 of section 07180 Slab-on Grade Coating:

“.4 Allow all new concrete, including all...membrane manufacturer in writing.”

and **replace** with the following:

“.4 Allow all new concrete, including all concrete repair locations to cure and air dry. All new concrete shall be allowed to cure for the minimum period indicated by the Waterproof Traffic Coating Manufacturer in the Product Data Sheet prior to membrane application unless specified or approved otherwise by the membrane manufacturer in writing.”

**Delete** sub-section 3.3 of section 07180 Slab-on-Grade Coating:

**“3.3 MEMBRANE COATING ENVIRONMENT**

.1 Do not apply coating...”

and **replace** with the following:

**“3.3 MEMBRANE COATING ENVIRONMENT**



Do not apply coating when:

- .1 Air temperature is below 12°C (54°F) or when temperature is expected to fall below 12°C (54°F) within 24 hours after application.
- .2 Temperature of air and/or substrate(s) is within 5°C (5°F) of the ambient air dew point.
- .3 Fog, mist or rain have just occurred or are present at site; it is raining or snowing; there is a danger of rain, fog, frost or snow; relative humidity is above 85%.
- .4 Surface is wet, damp or frosted. Test surfaces with moisture meter before proceeding.
- .5 Previous coat is not dry/cured.

Test for moisture content in each location immediately prior to commencing

Do not apply coating to surfaces where moisture content or ambient temperatures exceeds the manufacturer's maximum allowable values.

Maintain air temperatures and substrate temperature of traffic bearing coating installation areas above 12°C for 12 hours before, 12 hours before, during and 48 hours after installation.”

**Delete** article 3.5.2 of section 07180 Slab-on-Grade Coating

“.1 Apply coating system....394 wear/top coat (2<sup>nd</sup> coat)”

and **replace** with the following:

- .1 Apply coating system to satisfy minimum recommended thicknesses and composition as described below or as recommended by the system manufacturer (whichever is more stringent). Apply coating(s) uniformly using a proper notched squeegee. Work into cracks, crevices, corners and sharp edges. Follow coating manufacturer's written instructions for the ideal coverage a thicknesses for optimal performance. The following provides a minimum application guideline for each manufacturer type by area of application:
  - .1 Ucrete DP System, by BASF:
    - .1 5 mm (dry) Basecoat BC 6
    - .2 Quartz/silica sand to refusal
    - .3 MasterTop TC 493
  - .2 Vulkem EWS with Puma Technology, by Tremco:
    - .1 17 wet mils Primer topped with light broadcast 0.3 to 0.7 mm sized silica sand (0.7 lb/10ft<sup>2</sup>),
    - .2 80 wet mils (2.0 mm) Tremco Puma base coat



- .3 65 wet mils (1.65 mm) Tremco Puma wear coat with Tremco Puma filler powder
- .4 0.6 to 0.9 mm sized Quartz/silica sand to refusal
- .5 30 wet mils (0.76 mm) Tremco Puma top coat"

REFER TO  
NOTES ON  
DET. A1332

SS ANGLE

61.80

175 200 100 25 100

200

10

830

20

180

100

615

25

100

180

INTERIORS TENDER 86-01-27  
UP-DATE FOR CONSTRUCTION 85-05-23  
ROOFING TENDER-1985-01-11

C.C.O. #86 84-11-23

UNIT PC TEND ADD # 311

UNIT PC TEND

Revisions



**THE NATIONAL GALLERY OF CANADA**

**Desnoyers Mercure**  
Associate Architects  
**Parkin Engineers Limited and Robert Halsall and Associates Limited** Structural Consultants  
**H.H. Angus & Associates Limited**  
Mechanical Consultants  
**THE ECE Group Limited**  
Electrical Consultants  
**ELLIS-DON Limited**  
Construction Managers

**Parkin/Safdie**  
Architects Planners

Sheet Title **TYPICAL LOW ROOF PARAPET - OFFICE**

Scale **1 : 10** Drawn **SC**

Date **02.10.84** Issued

Sheet Number **8303-A1528**