



TENDER 16-20

WATER TREATMENT BUILDING

ADDENDUM NO. 1

September 19th, 2016

This addendum forms part of the Tender Documents and shall be read, interpreted, and coordinated with all other parts. The costs of all elements contained herein shall be included in the submission. The following revisions, changes, corrections, additions, and or deletions supersede the information contained in the original Documents to the extent referenced and shall become part thereof.

Addendum Item 1
Questions & Answers

1. Proponent Question:

01 22 10 – Contract Unit Prices is listed in the specification section table of contents, but it is not included in the spec package.

Response:

01 22 10 – Contract Unit Prices is not applicable with this Tender.

2. Proponent Question:

B/P107 shows a cast-in-place concrete trench/sump with grating that doesn't appear to show up on structural. Could you please provide structural details.

Response:

Grating details will be included with a future addendum.

3. Proponent Question:

E/P105 – can you please confirm if the baffle walls are existing or part of this contract. If part of this contract, please provide structural details.

Response:

Baffle walls are not part of this contract.

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4. Proponent Question:

Please confirm the dimensions of doors 001B and 102B. It appears that 102B is 1830 x 2640
Door 001B shows a width of 2400.

Response:

Door 001B has a clear opening height of 3410mm (refer to detail 4 on sheet A404 for details)
and 2400 in width Door 102B is 1830 x 2640.

5. Proponent Question:

This project currently lists:

2.1 INSULATION

- .1 Extruded polystyrene (XPS)
- .1 Type: 4 TO CAN/ULC S701.
- .2 Compressive strength: 172 kPa.
- .3 Thickness: as indicated (R7.5 min.)
- .4 Edges: shiplapped, horizontal application
- .5 Location:
 - .1 Outside face of air barrier.

.2 Concrete Faced Insulated Wall Panels (CFI)

- .1 Type: 4 to CAN/ULC S704.
- .2 Thickness: 50mm (R7.5 min.)
- .3 Size: 610 x 1220
- .4 Edges: shiplapped, horizontal application
- .5 Location:
 - .1 Outside face of foundation walls above and below grade.

We would like to request the addition of the following product as an approved alternate on this project; Atlas EnergyShield Board Insulation manufactured by Atlas Roofing Corp.

Response:

RCABC does not list ACfoam II, they do list ACfoam III. Atlas products are acceptable in the roof provided the product is listed by RCABC.

6. Proponent Question:

This project currently lists:

2.6 ROOF INSULATION

- .1 Insulation: ASTM C1289, Type II, Class 1, Polyisocyanurate rigid board, both faces finished with glass reinforcing mat, provided in two layers, with the following characteristics:
- .2 Board Density: 32 kg/cu m.
- .3 Thermal Conductivity: KSI factor of 0.62 as determined by ASTM C177.
- .4 Square edge.

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We would like to request the addition of the following product as an approved alternate on this project; Atlas AC Foam II insulation manufactured by Atlas Roofing Corp.

Response:

See note above. Atlas products are acceptable provided they are RCABC listed.

7. Proponent Question:

This project currently lists:

Part 2 Products

2.1 MATERIALS

.2 Sheet Seal Type 1 (Transitions from spray applied AB to flashings and as detailed): Self-Adhesive bitumin laminated to high-density polyethylene film, nominal total thickness of 1.0 mm.

.1 Acceptable material:

- .1 'Blueskin' SA_LT by Baker.
- .2 CCW-705 by Carlisle
- .3 'Perm-a-barrier' wall membrane by Grace.
- .4 Soprema Sopraseal Stick 1100T

We would like to request the addition of the following product as an approved alternate on this project; Self-Adhered Air and Vapor Barrier Membrane 3015 manufactured by 3M.

Response:

Yes

8. Proponent Question:

This project lists HILTI's firestop systems for this project and we would kindly request that **3M's fire stopping systems** be considered for alternate.

This project currently lists:

2.2 MANUFACTURERS

.1 Subject to compliance with through penetration firestop systems and joint systems listed in the U.L.C Fire Resistance Directory – Volume III or UL Products Certified for Canada (cUL) Directory, provide products of the following manufacturers as identified below:

- .1 Hilti (Canada) Corporation, Mississauga, Ontario, 1-800-363-4458/www.ca.hilti.com.
- .2 Other acceptable manufacturers offering functionally equivalent products.

Proposed Functional Equivalent Alternative Product

Hilti Speed Sleeve CP 653	3M Pass through device
Hilti Firestop Block CFS- BL	3M Firestop Pillow
Hilti Firestop Mortar CP -637	3M Firestop Mortar
Hilti Firestop Board CP-675T	3M CS-195 + Composite Sheet

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Hilti Cast In Place Firestop Device CP-680	3M Cast In Place Device
Hilti Intumescent Firestop Sealant	3M Intumescent IC15-WB
Hilti Firestop Block FS-ONE	3M Fire Barrier Pillow
Hilti Self Leveling Sealant CP-604	3M FB 1003 SL
Hilti Fire Foam CP-620	3M FIP Firestop
Hilti Flexible Firestop Sealant	3M FD -150
Hilti Elastomeric Sealant CP-601	3M FB 1000NS
Hilti Putty Stick CP-618	3M Putty Stix
Hilti Firestop Putty Pad CP-617	3M Putty Pad
Hilti Firestop Collar CP-643N	3M Ultra Plastic Pipe Device
Hilti Wrap Strip CP 648E/648S	3M Wrap Strips
Hilti Firestop Joint Spray CFS-SP-WB	3M FD-200 Spray

Response:

Yes

9. Proponent Question:

This project currently lists:

Part 2 Products

2.2 GYPSUM BOARD MATERIALS

2 Moisture Resistant Paperless Shaftwall Liner: ASTM C1396,ASTM C1658,ASTM D3273, fibreglass mat faced, moisture resistant gypsum core., Type X thickness as indicated or scheduled; maximum available length in place; tapered edges, ends square cut.

.3 Gypsum Tile Backer Board: ASTM C1178, glass fibre mat, water-resistant gypsum/cellulose-fibre reinforced composition, thickness as indicated or scheduled, 915 mm wide; maximum available length in place; square edges, ends square cut. Provide behind all tile, see material & finish schedule / drawings.

We would like to request the addition of the following product as an approved alternate on this project; DensGlass Shafliner; DensShield Tile Backer or DensShield Tile Guard manufactured by Georgia Pacific.

Response:

Yes

10. Proponent Question:

For insurance purposes could you please provide the cost of the following Owner supplied equipment?

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Response:

1. ClorTec on-site hypochlorite generation systems: \$325,000
2. Three Vertical turbine pumps: \$436,500
3. Two existing UV's replacement costs: \$750,000

**Addendum Item 2
Responses to Outstanding Questions**

Questions already submitted may not appear in this addendum. Any outstanding questions will be addressed on future addendums.

End of Addendum

Acknowledgement of this Addendum in your Tender submission is required.

Clinton J. Crook, SCMP, CPSM
Senior Buyer