Addendum 3

Project Title: Roof Replacement
Building 22
Central Experimental Farm (CEF), Ottawa (Ontario)

Solicitation No: 14-1054 August 12, 2014

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

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Q & A

Q2. Section 07 55 20, article 1.2.13 stipulates: Adhere Tapered Polyisocyanurate insulation with 1% slope. Since there is no mention of the sloped insulation in the drawings under the new roof system, can you confirm the roof fully sloped?

A2. The existence of the structural slope is unknown and can only be verified after the removal of the existing roof assembly. If there is no or inadequate slope in place, 1% slope insulation must be installed throughout to improve drainage of the new roofing system.

Q3. Are there any roofing details available for roof anchors?

A3. A Roof anchor Drawing Details is provided as an attachment to this addendum.

Q4. Are there any roofing details available for pipe and box connections?

A4. Bidders can refer to the Appendix E "Photographic Documentation, Items 5 and 6.

Q5. What are the specifications for the C-Port pipe supports for cables?

A5. Specifications for these supports are as follow:

- Base only dimensions: 4" high x 6" wide x length, as required.
- Materials: 100% recycled rubber, UV resistant.
- Maximum load: 500 lbs.

Q6. Are the two penthouse roofs in contract? If so, what is the roof composition since it's a steel deck?

A6. Yes the two penthouse roofs are in the contract. Since the decking is a steel deck for these penthouse roofs, the roof assembly must be as follow:

- Torch applied base and cap sheet membrane.
- 3.2 mm (1/8") coverboard.
- 89 mm (3.5") PolyiSO insulation.
- SBS modified bitumen membrane vapour barrier.
- Factory-primed Fiberglass Mat Faced Gypsum Roof Board (Please see below for specification).
- Steel deck.

Specification for Fiberglass Mat Faced Gypsum Roof Board (Mechanically Fastened):

1. Thickness: ½".
2. Width: 4'.
3. Length: 8'.
4. Weight: 2.0 lb/sq. ft.
5. Surfacing: Fiberglass mat with non-asphaltic coating.
6. Flexural Strength, Parallel (ASTM C473): 80 lbf, minimum.
7. Flute Span (ASTM E661): 5".

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8. Permeance (ASTM E96): greater than 23 perms.
9. R-Value (ASTM C518): 0.56.
10. Water Absorption (ASTM C1177): Less than 10% of weight.
11. Compressive Strength (Applicable Sections of ASTM C472): 900 pounds per square inch.
12. Surface Water Absorption (ASTM C473): Not more than 2 grams.
13. 10 Fasteners per board, with minimum 12 gauge, 3" diameter corrosion resistant steel plates.

Q7. At Section 07 55 20 of the specifications, item 2.7.1.1, a membrane with sanded underside is specified but in the execution and plans it is a welded membrane. Can you clarify the properties of the base sheet membrane?

R7. The execution and plans are correct and the base sheet must be torch applied, see included amendment to the specifications.

Q8. Do we have to replace the Flexi-joints on mechanical units with new ones?

A9. The Flexi-joints must be replaced as required, see the attached site photo.

SPECIFICATIONS

1. At Section 07 55 20, article 2.7.1.1:

Delete: The surface is covered with a thermofusible plastic film, the underside is sanded.

Replace with: Both surfaces are covered with thermofusible plastic film.

ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME

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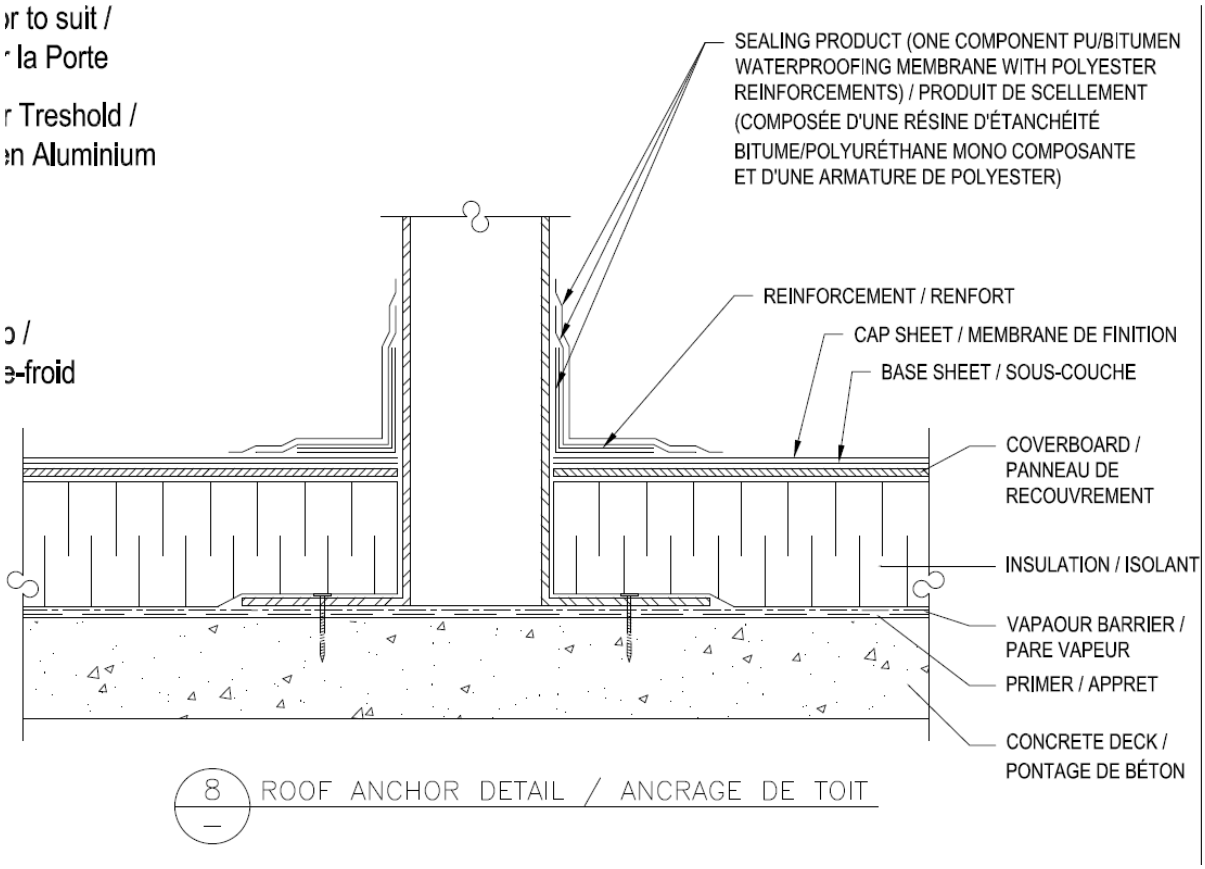
Roof Anchors Details:



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Mechanical units Flexi-joints details: