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Commissioner

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November 15, 2016

Mr. Francois Dutil  
Bailey Metal Products Ltd  
1 Caldari Rd.  
Concord, ON L4K3Z9

Re: OTCR Submittal Code #40-16  
Comslab Floor System

Dear Mr. Dutil,

Thank you for submitting an OTCR1 application for material assessment evaluation and acceptance of Comslab Floor System to be used in New York City.

**Application Description.** The Comslab Floor System provides an in-place steel forming system and is used in conjunction with structural concrete topping and reinforcing bars as floors to support the code-required floor loads.

**Equipment Description.** The Comslab Floor System consists of cold-formed steel deck panels and end closures, concrete, reinforcing bars, welded wire reinforcement and mechanical fasteners (for attaching the panel to the steel support and for the panel side-lap connection).

**Supporting Documents Submitted.** You provided the following item in support of your application

1. OTCR1 Application dated September 8, 2016 for Material assessment approval
2. IAMPO Evaluation Report No. ER-0277 dated September 7, 2016
3. Baily Metal Products Limited / Technical and Structural Information

New York City Construction Codes BC Section 2209.2 reads as follows:

**2209.2 Steel decks.** The design and construction of cold-formed steel decks shall be in accordance with this section.

**2209.2.1 Composite slabs on steel decks.** Composite slabs of concrete and steel deck shall be designed and constructed in accordance with ASCE 3



**2209.2.2 Noncomposite steel floor decks.** Noncomposite steel floor decks shall be permitted to be designed and constructed in accordance with ANSI/SDI-NC1.0, as modified in Section 2209.2.2.1.

**2209.2.2.1 ANSI/SDI-NC1.0 Section 2.4B1.** Replace Section 2.4B1 of ANSI/SDI-NC1.0 with the following:

General. The design of the concrete slabs shall be done in accordance with the *ACI Building Code Requirements for Reinforced Concrete*. The minimum concrete thickness above the top of the deck shall be 1½ inches (38 mm).

An OTCR review of your application has determined that the use of the ComSlab Floor System is prescribed in the New York City Construction Codes Section BC 2209.2.

Pursuant to 28-113, OTCR has determined that the ComSlab Floor System meets the requirements of BC 2209.2 as demonstrated IAMPO Evaluation Report No. 0277. The installation shall comply with the following:

**1. Design and Installation**

- The design and the construction of the floor system shall meet the requirements of BC Section 2209.2.
- The design and the installation shall be in accordance with IAMPO Evaluation Report No.ER-0277 and the manufacturer's recommendations.
- The floor system shall be designed by a N.Y. State registered design professional.

**2. Filing**

- The installation must be approved and permitted by the appropriate DOB office prior to installation.

**3. Inspection**

- Pursuant to section BC 1704.4 and BC 1704.3, the installation of floor system shall be subject to special inspection requirements of Chapter 17 of the Building Code and Department Rules covering special inspection. Special inspections of floor system shall:
  - a. Have duties and responsibilities in accordance with, but not limited to, 1RCNY section 101-06, SDI QA/QC quality assurance inspection requirements for the qualification of welding special inspectors of cold-formed steel floor and roof decks.
  - b. Complete the statement of special inspection from the TR1 form.



If you have any questions, please contact me.

Sincerely,

A handwritten signature in blue ink that reads "Siun Derkhidam". The signature is written in a cursive style with a large, stylized "S" at the beginning.

Siun Derkhidam  
OTCR Staff Engineer

Cc: Alan Price