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## CANADIAN CERTIFICATIONS

### 1. HOW DO YOU WANT TO SEARCH?



### 2. RESULTS

#### FIRE-RESISTANCE DESIGN

Assembly Usage Disclaimer

#### **BXUVC - Fire-resistance Ratings**

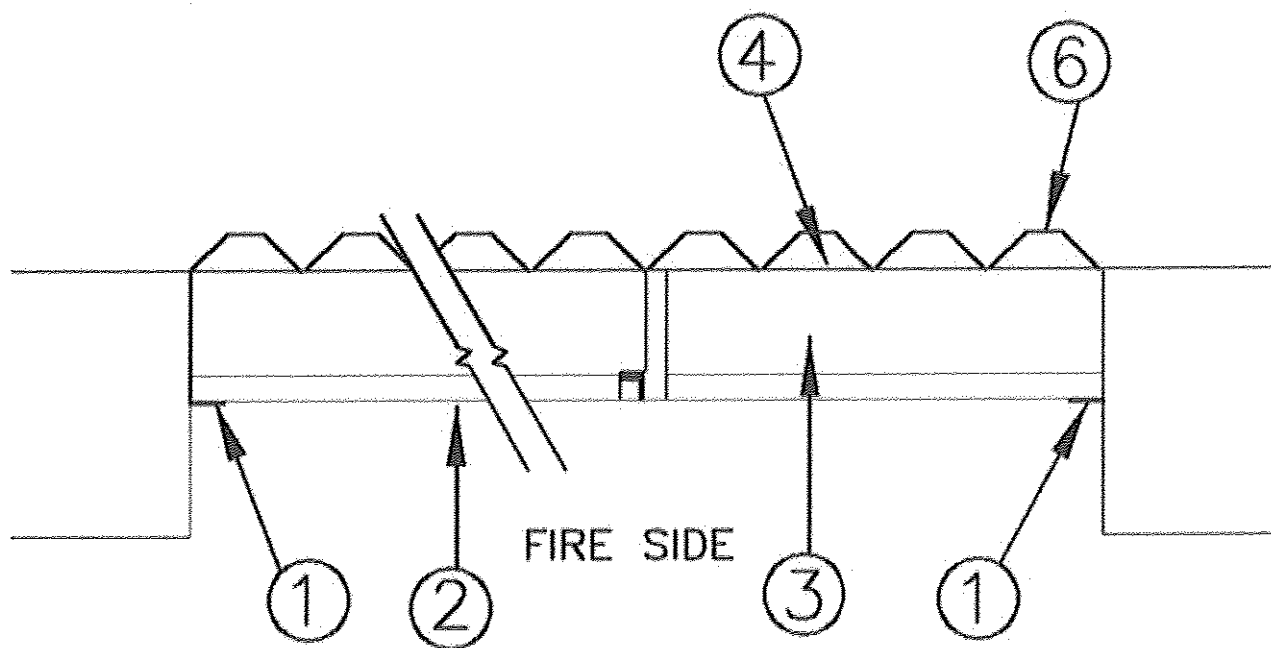
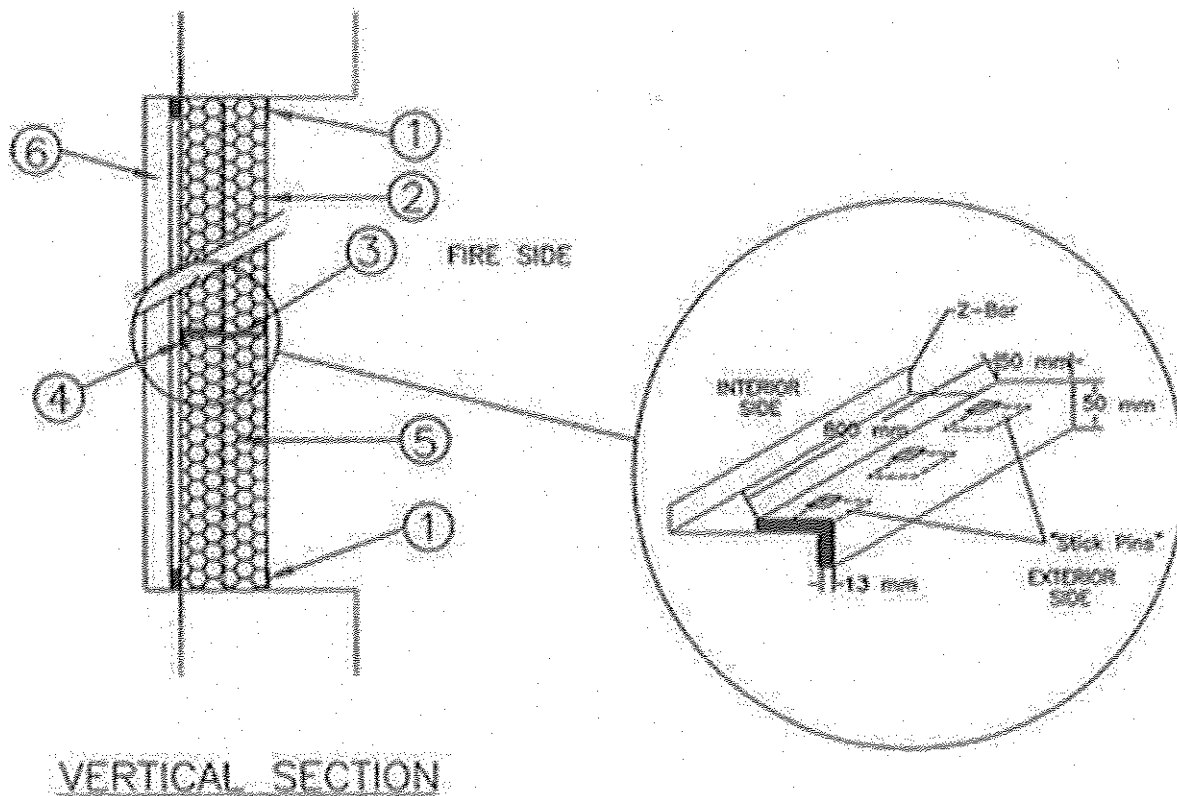
See General Information for Fire-resistance Ratings

**Design No. W605**

September 24, 2018

**Assembly Rating - 1 h**

**Equivalent Opening Factor at 2 h ( $F_{EO}$ ) = 0.02**



**1. Flashing Channels** — 152 mm wide channels with 45 mm and 76 mm flanges, fabricated from 1.52 mm thick galvanized or aluminum-zinc alloy coated sheet steel. Fastened to the frame with 6.4 mm by 45 mm anchors spaced 406 mm OC.

**2(a). Interior Steel Liner** — Panels available in various widths, fabricated from 0.61 mm thick galvanized or aluminum-zinc alloy coated sheet steel. Panels may be corrugated. Fastened to flashing channels with 19 mm long sheet metal screws spaced 305 mm OC. Interlocking joints of adjacent panels sealed with factory-applied butyl caulking and secured with 19 mm long sheet metal

screws spaced 305 mm OC. Butyl tape applied between the steel liner panels and the flashing channels to provide an air barrier.

OR

• **2(b). Wall and Partition Facings and Accessories** — (CLBVC). Interior Steel Liner panels of nominal 0.61 mm thickness. Fastened to flashing channels with 19 mm long sheet metal screws spaced 305 mm OC. Interlocking joints of adjacent panels sealed with site-applied butyl caulking and secured with 19 mm long sheet metal screws spaced 305 mm OC. Butyl tape applied between the panels and the flashing channels to provide an air barrier.

**REVETEMENTS METALLIQUES LUSSIER INC** — Type 625-42A

3(a). **Z-Bar** — 152 mm wide notched z-bars with 25 mm and 38 mm flanges, fabricated from minimum 1.22 mm thick galvanized or aluminum-zinc alloy coated sheet steel. Spaced a maximum of 1525 mm OC. Z-bar may be oriented with flange upwards or downwards against the exterior cladding. Fastened to the steel liner panels with 19 mm long sheet metal screws spaced not more than 250 mm OC.

OR

• **3(b). Z-Bar Sub-Girts** — (For use with items 2b and 6b) — Z-bars 152 mm wide with 45 mm flanges fabricated from nominal 1.22 mm thick galvanized or aluminum-zinc alloy-coated sheet steel. Spaced a maximum of 1525 mm OC. Fastened to the steel liner panels with 19 mm long sheet metal screws spaced not more than 250 mm OC.

**REVETEMENTS METALLIQUES LUSSIER INC** — Type Z-Bar No. 152

4. **Ceramic Fibre Blanket** — 128 kg/m<sup>3</sup> density, 13 mm thick, minimum 100 mm wide, attached to the z-bar sub-girts with stick pins or #10 screws and 38 mm diameter washers spaced 250 mm OC or adhesives Resbond™ 907GF by Cotronics Corp. or Quick-Stick™ by Ductmate Industries Inc.

• **5. Batts and Blankets** — (BZJZC). Two layers of 96 kg/m<sup>3</sup> density mineral wool batts processed from rock and slag, 610 or 813 mm wide by 1220 or 1525 mm long by 76 mm thick, installed with joints staggered. The overall thickness of the wall may be increased provided the Mineral Fibre Insulation (item 5) is used to completely fill the wall cavity, and provided the size of the Flashing Channels (item 1) and Z-Bar (item 3) are increased to match the thicker walls.

**ROCKWOOL** — Type "Roxul Safe 65"

## OR

• **5. Batts and Blankets** — (BZJZC). Two layers of 96 kg/m<sup>3</sup> density mineral wool batts processed from rock and slag, 610 or 813 mm wide by 1220 or 1525 mm long by 76 mm thick, installed with joints staggered. The overall thickness of the wall may be increased provided the Mineral Fibre Insulation (item 5) is used to completely fill the wall cavity, and provided the size of the Flashing Channels (item 1) and Z-Bar (item 3) are increased to match the thicker walls.

**THERMAFIBER INC** — Type MetalGuard™ - 1 Hr.

6(a). **Exterior Cladding and Accessories** — Corrugated panels, available in various profiles and widths, fabricated from 0.46 mm thick galvanized or aluminum-zinc alloy coated sheet steel. Fastened to the z-bar with 19 mm long sheet metal screws spaced 305 mm OC. Fastened to flashing channels with 19 mm long sheet metal screws spaced 406 mm OC. Side lap joints of adjacent panels fastened with 19 mm long sheet metal screws spaced 406 mm OC. The top and bottom of the exterior cladding are trimmed with cap and drip flashings respectively.

## OR

• **6(b). Wall and Partition Facings and Accessories** — — (CLBVC). Exterior Steel Cladding panels of nominal 0.46 mm thickness. Fastened to the Z-bar sub-girts with minimum 19 mm long sheet metal screws spaced 305 mm OC. Fastened to flashing channels with 19 mm long sheet metal screws spaced 406 mm OC. Side lap joints of adjacent panels fastened with 19 mm long sheet metal screws spaced 406 mm OC. The top and bottom of the exterior cladding are trimmed with cap and drip flashings respectively.

**REVETEMENTS METALLIQUES LUSSIER INC** — Types 625-42B, 36-150A, 36-150B, T-1000A, T-1000B and 5/8 Corrugated

Last Updated on 2018-09-24

### Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire

resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.

- Only products which bear UL's Mark are considered Certified.

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