



Design No. U549
BXUV.U549
Fire-resistance Ratings - ANSI/UL 263

[Page Bottom](#)

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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BXUV - Fire Resistance Ratings - ANSI/UL 263

BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

[See General Information for Fire-resistance Ratings - ANSI/UL 263](#)

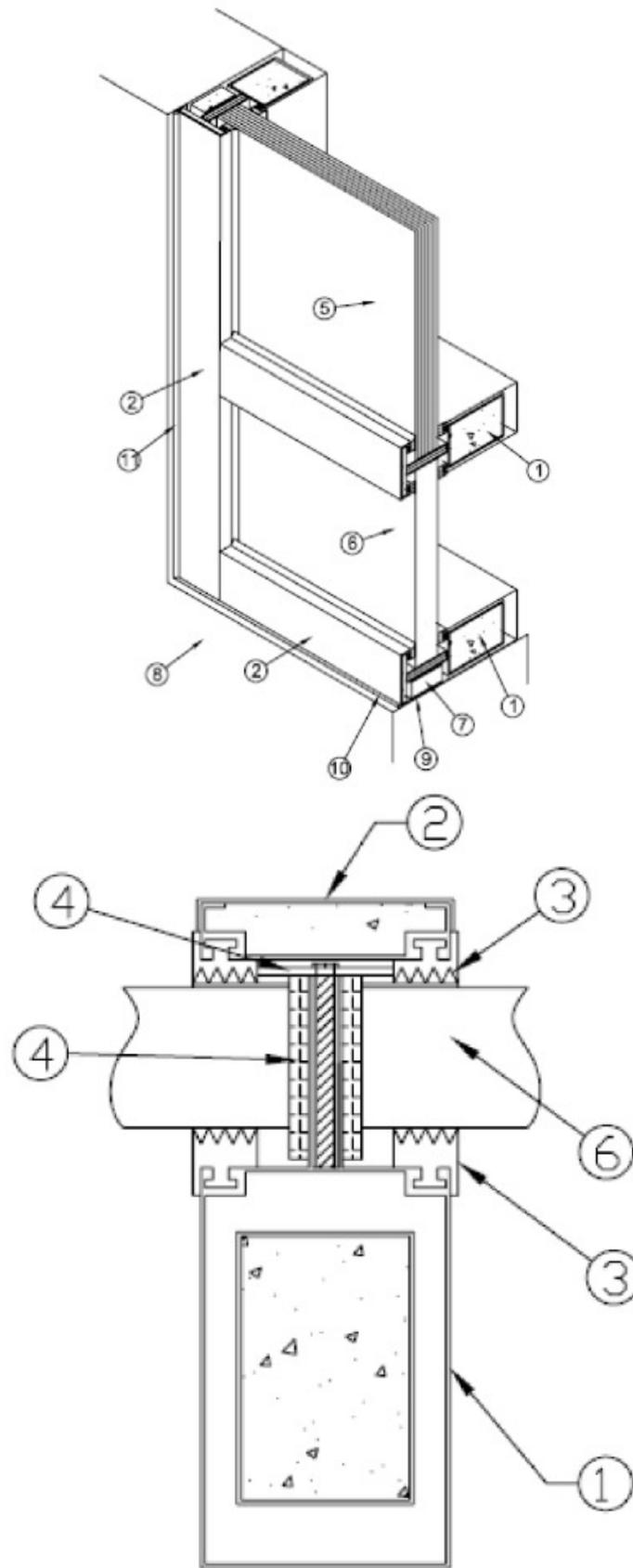
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Design No. U549

May 15, 2014

Non-Bearing Wall Rating — 2 Hr.

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1. **Composite Framing Members*** — Nom. 2-3/8 in. wide (60mm) with a nom. minimum depth of 4-7/8 in. (123 mm) for vertical mullions, minimum depth of 4 in. (103 mm) for horizontal mullions with lengths cut according to glazing size. Perimeter framing members were secured to wall with zinc coated No. 14 FH sheetmetal screws located 4 in. in from each end and then located every 17-1/2 in. on center, fastener is to be driven into the partition through the side of the framing

member. Horizontal mullions are to be secured to vertical framing members using two No. 8 FH sheetmetal screws driven into the mullion clips supplied with the framing prior to installation of the glazing. Installation of framing members, mullion clips and mullions to be made in accordance with the installation instructions for this system. Horizontal mullions may be finished with an aluminum cap that friction fits over the profile. An optional screw applied extruded aluminum retainer can be attached to the vertical and horizontal mullions to permit the installation of a decorative aluminum trim cap opposite the glazing pocket. The retainer and decorative trim cap is to be supplied with the framing members.

ALUFLAM NORTH AMERICA L L C — Curtainwall Series

2. **Pressure Plates and Caps** — Supplied with the framing members. Nom 2-1/4 in. (58 mm) wide with a nom. minimum depth of 3/4 in. (20 mm) with lengths cut according to glazing size. The pressure caps are fastened directly to the Framing Members, Item 1 with 6.2 mm x 120 mm sheet metal screws located every 11-1/2 in. OC. The pressure plate caps snap over the pressure caps with no mechanical fasteners once the pressure plates are secured.

3. **EPDM Gaskets** — Supplied with the framing members. Two nom. 1/2 in. (12.7 mm) wide by 1/2 in. (12.7 mm) thick EPDM strips applied to the pressure caps to cushion and seal the glazing material when installed. Gaskets are cut to length to fit the pressure caps and framing members.

4. **Glazing Compounds** — Supplied with the framing members. Nom. 3/8 in. (45 mm) wide by nom. 1/8 in. (9 mm) thick self-adhesive intumescent strip applied to the setting plate as well as any vertical or horizontal edges of the pressure plates that are parallel to the face of the glazing material (Item 6). The material is to be trimmed to match the width of the glazing material used.

5. **Fire Resistant Glazing Material*** — Nom. 1-1/2 in (39 mm) minimum thickness laminated glass supplied in various sizes. Max size not to exceed 30.7 sq ft with maximum exposed light dimensions of 94-7/16 in. (2399 mm) in height or width. When Contraflam Structure 120 with a 2-1/16 in. (52 mm) nominal thickness is used, the maximum exposed area per panel is not to exceed 31.5 ft² and the exposed height of the glass is not to exceed 126 in. The overall width for the glazing can be greater than 94-5/8 in. due to the joint incorporated into the Contraflam Structure 120.

VETROTECH SAINT-GOBAIN NORTH AMERICA INC — Swissflam 120, Contraflam 120 and Contraflam Structure 120

6. **Panels** — (Optional) -- Supplied with the framing members, in lieu of Item 6, Fire Resistant Glazing Material, a nominal 2-1/4 in. thick fixed panel can be used to infill the openings in the framing members.

7. **Spacers** — Spacers supplied with the framing members used to maintain the clamping force of the pressure caps opposite the glazing compound along the perimeter of the frame, nom. 1/2 in. (12.7 mm) wide by nom. 15/16 in. (23.8 mm) deep. Spacers to be cut to length to fit the opening as needed. Spacers fastened to mullion with No. 6 FH sheetmetal screws 1-3/8 in. in from the edge and then every 20 in. OC.

8. **Wall Assembly** — The 2hr fire rated wall assembly shall be constructed of the materials and in the manner described in the individual U300, U400, V400, or U900-Series Wall or Partition Designs in the UL Fire Resistance Directory.

9. **Fill, Void or Cavity Material*** — (Not Shown) --The void between the framing members and the wall opening is to be filled with densely packed mineral wool insulation Classified by UL as a fill, void or cavity material prior to application of Item 11.

10. **Sealant*** — Any UL Classified silicone based Fill, Void or Cavity Material sealant (XHHW) to be applied over Item 9.

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[Page Top](#)

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