

Design No. XR625  
BYBU.XR625  
Fire Resistance Ratings - ANSI /UL 1709

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- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Listed or Classified 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.
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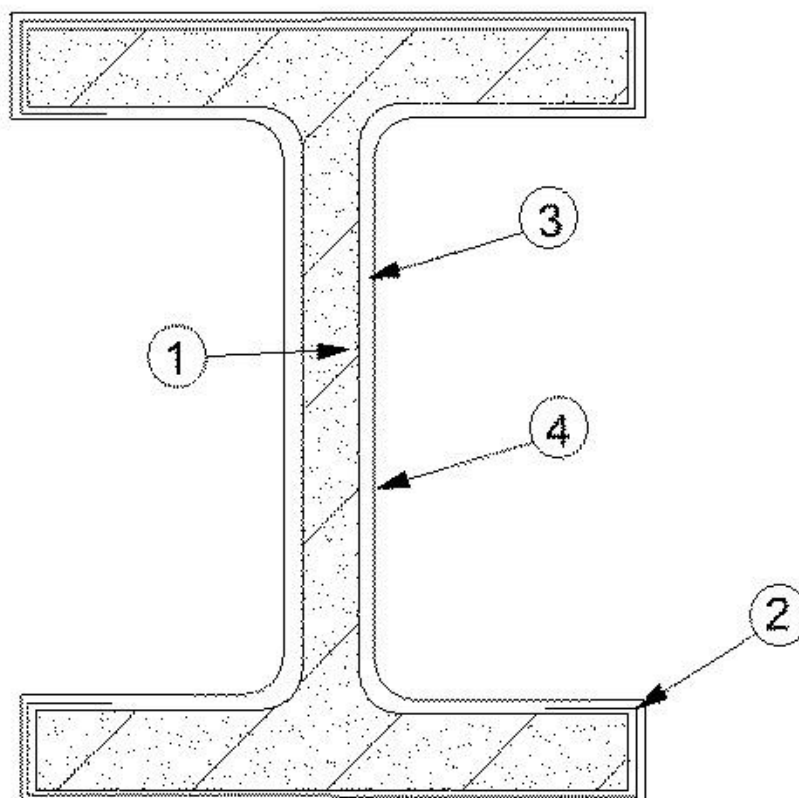
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[See General Information for Fire Resistance Ratings - ANSI/UL 1709](#)

### Design No. XR625

March 03, 2011

Ratings - 1/2, 3/4, 1, 1-1/2, 2, 2-1/2, 3, 3-1/2, 4 Hr. (See Item 3)



1. Steel Column — Min. size W10X49. The column surfaces shall be free of dirt, loose scale and oil then primed with epoxy based primers to an approximate dry film thickness of 2 mils.

2. Flange Edge Reinforcement — Carbon fiberglass mesh Type HK-1 applied over the flange tips at approximately mid-

depth of the total thickness of mastic and intumescent coating.

3. Mastic and Intumescent Coating — Two component spray materials applied in one or more coats as described in the application instructions to the thicknesses shown below. Thicknesses below include the 2 mils of primer.

Rating, Hr	Mtl Thkns, Microns With Mesh (Item 2)	Mtl Thkns, Microns Without Mesh (Item 2)
1/2	—	2400
3/4	—	3760
1	—	5120
1-1/2	7850	—
2	10570	—
2-1/2	13300	—
3	15210	—
3-1/2	17100	—
4	18990	—

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4. Top Coat — One of the following topcoats shall be used. Two component polyurethane topcoat Type Interthane 990 applied at a dry film thickness of 50 microns. Two component polyurethane topcoat Type Interthane 990HS applied at a dry film thickness of 50 microns. Two component polysiloxane topcoat Type Interfine 878 applied at a dry film thickness of 50 microns. Two component polysiloxane topcoat Type Interfine 979 applied at a dry film thickness of 100 microns.

\*Bearing the UL Classification Mark

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