



**Design No. XR706**  
**BYBU.XR706**  
**Fire-resistance Ratings - ANSI/UL 1709**

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**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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**BYBU - Fire-resistance Ratings - ANSI/UL 1709**

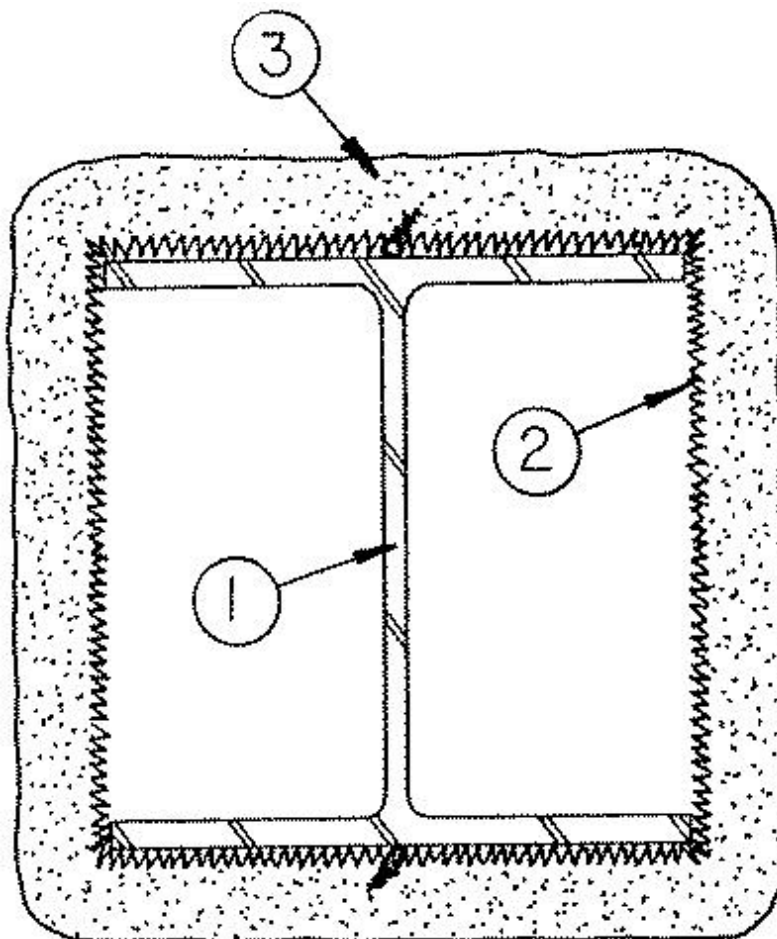
[See General Information for Fire-resistance Ratings - ANSI/UL 1709](#)

**Design No. XR706**

October 14, 2013

**Ratings — 1, 1-1/2, 2, 2-1/2, 3 and 4 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. **Steel Column** — Minimum size W10x49.

2. **Metal Lath** — 3.4 lb/sq yd expanded steel metal lath wrapped around the column to form a bowed configuration. Metal lath lapped 1 in. at vertical joint opposite web and tied together with No. 18 SWG galv steel wire spaced vertically 6 in. OC.

3. **Spray-Applied Fire Resistive Materials\*** — See table below for required thicknesses. Thicknesses are measured to surface of lath. Prepared by mixing with water according to instructions printed on each bag of mixture. Mixture can be spray or trowel applied in one or more coats to the column and lath surfaces which must be clean and free of dirt, loose scale and oil. For Type 240, minimum average density of 50 lb/cu ft, with minimum individual value of 45 lb/cu ft. The minimum average density of 40 pcf with a minimum individual density of 37 pcf for the Type 40. For method of density determination, see Design Information Section, Sprayed Material. Surface of material may be lightly finished with a trowel. As an option, column surfaces may be primed.

Rating Hr	Min Thkns In.
1	13/16
1-1/2	1-1/8
2	1-3/8
2-1/2	1-9/16
3	1-13/16
4	2-3/16

**CARBOLINE CO** — Types 40, 240.

**CARBOLINE SOUTHEAST ASIA PTE LTD** — Types 40, 240.

**CARBOLINE (INDIA) PVT LTD** — Type 40.

**STONCOR MIDDLE EAST L L C** — Type 40.

**STONCOR SOUTH CONE S A** — Types 40, 240.

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