



NO FIRE TECHNOLOGIES INC
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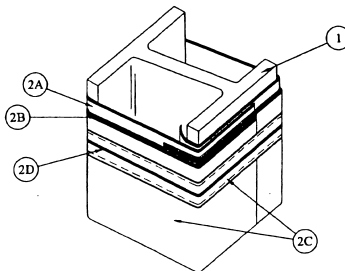
RE: Project Number(s) - R18955

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BXUV
Fire Resistance Ratings - ANSI/UL 263

January 16, 2002

Design No. X205
 Rating — 1, 1-1/2 and 2 Hr.



1. **Steel Column** — Min size of column summarized in table under item 2A.
2. **Mat Materials*** — The column protection assembly consists of 1/2 in. or 1 in. thick ceramic blanket, sheet metal foil, and an intumescent jacket. The assembly shall be installed in accordance with detailed installation instructions manual supplied by the manufacturer of the **Mat Materials***. The details of the column assembly are summarized below:
 - A. **Ceramic Blanket** — Flexible fabric identified as Fiberfrax, supplied in rolls. Density 8 lb/cuft. Installed by cutting to size and tightly wrapping around the column and itself such that a min 3 in. overlap is present along the vertical seam. The hourly rating of the column assembly is dependent upon the thickness of ceramic blanket as shown in the following table:
 When 1/2 in. Ceramic Blanket is used:

Rating, Hr.	Min. W/D
1	0.59
1-1/2	1.02
2	1.50

When 1 in. of Ceramic Blanket is used:

Rating, Hr.	Min. W/D
1	0.50
1-1/2	0.69

Rating, Hr.
2

Min. W/D
1.07

When no Ceramic Blanket is used:

Rating, Hr.
1

Min. W/D
1.64

- B. **Sheet Metal Foil Tape** — Nom 0.003 in. thick sheet metal foil supplied in rolls. Used to secure the vertical and circumferential butt joints of the ceramic blanket (Item 2A).
- C. **Mat Materials* — Intumescent Mat** — Flexible sheet material supplied in rolls. After completion of the sheet metal foil (Item 2B) intumescent mat installed by cutting to size and wrapping around the sheet metal foil. Horizontal butt joints are covered by nominal 4 inch wide piece of ceramic blanket (Item 2A) of the same thickness as the base layer. Ceramic blanket covered by nominal 5 inch wide strip of intumescent mat material.
NO FIRE TECHNOLOGIES INC —Type S Barrier
- D. **Steel Wire Ties** — Stainless steel banding wire spaced 8 in. OC and along centerline of horizontal butt joints to secure intumescent mat.

*Bearing the UL Classification Mark