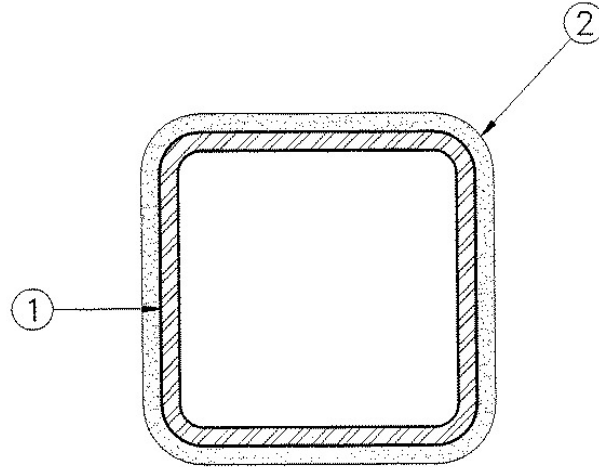


ULC Design No. Z629

November 25, 2005

Ratings – 3/4, 1, 1-1/2, 2 and 3 h (See Item 2)



1. **Steel Column** — Square, hollow structural section (HSS) with M/D as specified in Item 2. All columns should be free of dirt, loose scale and oily deposits.

2. **Thin-Film Intumescent Coatings** — CAVCC (Guide No. 40 U18.12.9). Intumescent coating designated "A/D FIREFILM III", applied in accordance with manufacturer's instructions to the minimum dry film thicknesses shown below. Column surfaces should be primed as per manufacturer's instructions.

Ratings, h	Min Column Size, mm	Min M/D	Required Min Dry Film Thickness, mm
3/4	HSS 203 x 203 x 13 mm	90	0.89
1	HSS 203 x 203 x 13 mm	90	1.14
1-1/2	HSS 203 x 203 x 13 mm	90	2.40
2	HSS 203 x 203 x 13 mm	90	4.72
3	HSS 203 x 203 x 13 mm	90	8.22

M = Mass of column section, kg/m.

D = Heated perimeter of column section, m.

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3. **Finish Coating** – (not shown) – Silicone alkyd paint designated "A/D COLORCOAT".