# ST-13 1 Hour Fire Assembly - Heavy Weight Structural Steel Column

**Typical Assembly** - Heavy weight structural steel member used vertically as a column

*Heavy weight defined as 24 LBS. or larger per liner foot of material*

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## TO ACHIEVE 1 HOUR RATING:

**Preparation of Steel Member:** Clean and apply compatible steel primer @ 2.5 MIL. Apply 35 MIL thicknesses (DRY) of ForceField® FireGuard® E-84 to all exposed sides of steel column.

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### FIRE TEST ENDURANCE RATING:

**1 Hour**

### Standard Tested To:

- ASTM E-119 Structural Steel Section: NFPA 251
- UL 263; ULC S101-07 with no load capacity, no restraint, small scale test

### Fire Tested Laboratory:

Guardian Fire Laboratories, Inc.
480 Hinman Ave.
Buffalo, NY 14216

### Report No.:

GL 115611, GL88311

### Product:

ForceField® FireGuard E-84® Intumescent Coating (FFG E-84)

### Manufacturer:

Shield Industries, Inc.
119 Smokehill Lane
Woodstock, GA 30188

*See manufacturer application instructions and specifications for surface preparation and application process*