**Shield Industries, Inc.**

**ST-6** 2 HOUR FIRE ASSEMBLY - 6" STEEL PIPE BEAM OR 45 DEG BRACING

*Typical Assembly – 6" steel pipe, used horizontally as a beam*

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**TO ACHIEVE 2 HOUR FIRE RATING (USING CRITERIA 1300°F AVERAGE):**

**PREPARATION OF STEEL MEMBER:** CLEAN AND APPLY ALKYD PRIMER @ 2.5 MIL. APPLY 60 MIL THICKNESS (DRY) OF ForceField® FireGuard® E-84 TO ALL EXPOSED SIDES OF STEEL BEAM.

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**SCALE: N.T.S.**

**GUARDIAN**

Date: **11/27/13**

**REGISTERED PROFESSIONAL ENGINEER**

**STATE OF CALIFORNIA**

**4367**

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**FIRE TEST ENDURANCE RATING:** 2 HOUR

**STANDARD TESTED TO:**

ASTM E-119-11a Structural Steel Section;
NFPA 251; UL 263; ULC S-101-07 with No Load Capacity, No Restraint, Small Scale Test

**FIRE TESTED LABORATORY:**

GUARDIAN FIRE TESTING LABORATORIES, INC.
480 HINMAN AVE.
BUFFALO, NY 14216

**REPORT NO.:** GL 115611

**PRODUCT:**

ForceField® FireGuard® E-84 INTUMESCENT COATING (FFG E-84)

**MANUFACTURER:**

SHIELD INDUSTRIES, INC.
131 SMOKEHILL LANE
WOODSTOCK, GA 30188

*SEE MANUFACTURER APPLICATION INSTRUCTIONS AND SPECIFICATIONS FOR SURFACE PREPARATION AND APPLICATION PROCESS*