



**ST-17 1 HOUR FIRE ASSEMBLY - MEDIUM WEIGHT STRUCTURAL STEEL COLUMN**

**TYPICAL ASSEMBLY - MEDIUM WEIGHT STRUCTURAL STEEL MEMBER USED VERTICALLY AS A COLUMN**

*Medium weight defined as 10 LBS-23.9 LBS. per liner foot of material*



**TO ACHIEVE 1 HOUR RATING:  
 PREPARATION OF STEEL MEMBER: CLEAN AND APPLY COMPATIBLE STEEL PRIMER @ 2.5 MIL.  
 APPLY 40 MIL THICKNESSES (DRY) OF ForceField® FireGuard® E-84 TO ALL EXPOSED SIDES OF STEEL COLUMN.**



**40 MIL THICKNESS (DRY) OF FFG E-84 INTUMESCENT COATING**

SCALE: N.T.S.

<b>FIRE TEST ENDURANCE RATING:</b>	1 HOUR
<b>STANDARD TESTED TO:</b>	ASTM E-119 STRUCTURAL STEEL SECTION; NFPA 251; UL 263; ULC S-101-07 WITH NO LOAD CAPACITY, NO RESTRAINT, SMALL SCALE TEST
<b>FIRE TESTED LABORATORY</b>	GUARDIAN FIRE LABORATORIES, INC. 480 HINMAN AVE. BUFFALO, NY 14216
<b>REPORT NO:</b>	GL 115611, GL88311
<b>PRODUCT:</b>	ForceField® FireGuard E-84® INTUMESCENT COATING (FFG E-84)
<b>MANUFACTURER:</b>	SHIELD INDUSTRIES, INC. 131 SMOKEHILL LANE WOODSTOCK, GA 30188
*SEE MANUFACTURER APPLICATION INSTRUCTIONS AND SPECIFICATIONS FOR SURFACE PREPARATION AND APPLICATION PROCESS	



*M. Joseph Pearson  
5/20/14*



*Lanell Hinton 5/19/2014*