



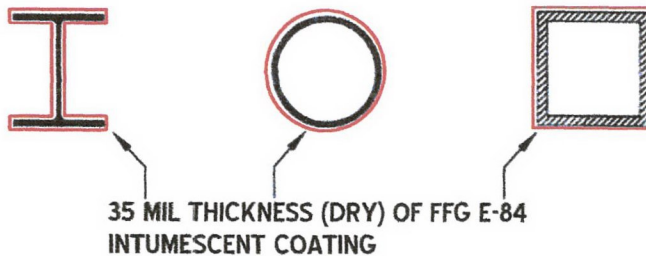
ST-13 1 HOUR FIRE ASSEMBLY- HEAVY WEIGHT STRUCTURAL STEEL COLUMN

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





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.



SCALE: N.T.S.

FIRE TEST ENDURANCE RATING:	1 HOUR
STANDARD TESTED TO:	ASTM E-119 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 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. 131 SMOKEHILL LANE WOODSTOCK, GA 30188

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


R. Joseph Pearson
5/12/14

Laura Ann Hinton 5/19/2014