



ST-19

90 MIN FIRE ASSEMBLY- LIGHT WEIGHT STRUCTURAL STEEL BEAM
TYPICAL ASSEMBLY - LIGHT WEIGHT STRUCTURAL STEEL MEMBER USED HORIZONTALLY AS A BEAM OR 45 DEG BRACING
Light weight defined as 1 LBS-9.9 LBS. per liner foot of material



TO ACHIEVE 90 MIN RATING (USING CRITERIA 1300 ° F AVERAGE):
PREPARATION OF STEEL MEMBER: CLEAN AND APPLY COMPATIBLE STEEL PRIMER @ 2.5 MIL.
APPLY 60 MIL THICKNESSES (DRY) OF ForceField® FireGuard® E-84 TO ALL EXPOSED SIDES OF STEEL BEAM.



SCALE: N.T.S.

FIRE TEST ENDURANCE RATING:	90 MIN
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 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

GUARDIAN
R. Joseph Pearson
5/20/14



Laura Ann Hinton 5/19/2014

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