

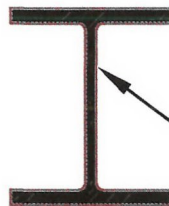


**ST-4** 2 HOUR FIRE ASSEMBLY - 8" WF24 OR LARGER  
STEEL SECTION

Typical Assembly - 8WF24 or larger, used vertically as a column



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.



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

SCALE: N.T.S.

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



*M. Joseph Pearson* 4/7/14



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

*Laura Ann Hinton* 4/1/2014