Shield Industries, Inc.

CITY OF PORTLAND, MAINE
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 08/31/16

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.

FIRE TEST ENDURANCE RATING:	1 HOUR
STANDARD TESTED TO:	ASTM E-119 STRUCTUAL STEEL SECTION; NFPA 251; UL 263; ULC S-101-07 WITH NO LOAD CAPACITY, NO RESTRAINT, SMALL SCALE TEST
FIRE TESTED LABORITORY	GUARDIAN FIRE LABORITORIES, INC. 480 HINMAN AVE. BUFFALO, NY 14216
REPORT NO:	GL 115611, GL88311
PRODUCT:	ForceField® FireGuard E-84® INTUMESCENT COATING (FFG E-84)
MANUFATURER:	SHIELD INDUSTRIES, INC. 131 SMOKEHILL LANE WOODSTOCK, GA 30188

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

GUARDIAN

R. Joseph Pearson
5/20/14

REGISTERED PROFESSIONAL ENGINEER
LAURA ANN HINTON
4367
INDUSTRIAL
STATE OF CALIFORNIA

Laura Hinton 5/19/2014