1 HOUR FIRE ASSEMBLY - WOOD FRAME  
FLOOR / CEILING  

Floor / Ceiling Assembly ½" regular gypsum board mounted below 2 x 6 or larger wood floor  
joists 16" o.c. using 1-¾" course thread drywall screws @ 8" O.C., sub floor is ¾" oriented strand  
board (OSB)  

½" ORIENTED STRAND BOARD (OSB)  
2 x 6 WOOD FLOOR JOIST  

½" UNRATED GYPSUM CEILING BOARD  

TO ACHIEVE 1 HOUR FIRE RATING:  
Apply 25 mil thickness (dry) of Forcefield® Fireguard® E-84 to exposed side of gypsum board  
ceiling.  

¾" ORIENTED STRAND BOARD (OSB)  
2 x 6 WOOD FLOOR JOIST  

¾" UNRATED GYPSUM CEILING BOARD  
25 MIL THICKNESS (DRY) FFG E-84  
INTUMESCENT COATING  

FIRE TEST ENDURANCE RATING: 1 HOUR  

NOTES:  
Test performed with ¾" unrated regular gypsum wallboard and ½" OSB, therefore, wood frame floor/ceiling assemblies utilizing  
chicier gypsum as a ceiling would achieve a 1 hour fire rating  
with a 25 MIL(Dry) thickness application applied to the exposed  
side of the gypsum board  

STANDARD TESTED TO: ASTM E-119  

FIRE TESTED LABORATORY: GUARDIAN FIRE TESTING LABORATORIES, INC.  
480 HINMAN AVE.  
BUFFALO, NY 14216  

REPORT NO: GL 60911  

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