1 Hour Floor Ceiling Assembly: Existing 32" wood and steel bar joist truss with top and bottom cords constructed from 3" x 1.875" laminated Douglas Fir. 2"x4" wood blocking, one layer of 0.75" plywood and 1.5" of lightweight concrete.

To achieve 1 hour fire rating for the above floor ceiling assembly:
Apply 30 ml dry thickness of FireGuard E-84® Intumescent Coating to all exposed plywood decking and 45 ml dry thickness of FireGuard E-84® Intumescent Coating to all exposed wood blocking and exposed steel bar joist truss.

First Test Endurance Rating: 1 Hour

Standard Tested To: ASTM E-119-10B, UL 263, NFPA 251, ULC-S-1 Building Construction and Materials

Fire Tested Laboratory: GUARDIAN FIRE TESTING LABORATORIES, INC.
480 Hinman Ave.
Buffalo, NY 14216

Report To: GL 58812 Rev & GL 115411, EER-38193

Product: FireGuard E-84® Intumescent Coating

Manufacturer: SHIELD INDUSTRIES, INC.
131 Smokehill Lane
Woodstock, GA 30188

*See manufacturer application instructions and specifications for surface preparation and application process