2 HOUR NFPA 251 FIRE ASSEMBLY - STEEL FRAMED WALL w/ \( \frac{1}{2}'' \) GYPSUM BOARD

Typical Frame Wall Assembly \( \frac{1}{2}'' \) Gypsum Wall Board attached to 3\( - \frac{3}{8}'' \) steel studs at 24" o.c. with fiberglass insulation and 1" Type S drywall screws 8" o.c. spread per local building code.

TO ACHIEVE 2 HOUR NFPA FIRE RATING:

APPLY 10 MIL THICKNESS (DRY) OF ForceField® FireGuard® E-84 TO EXPOSED SIDE OF GYPSUM BOARD

\[ \frac{1}{2}'' \text{ GYPSUM BOARD} \]

\[ \text{FIBERGLASS INSULATION} \]

\[ \frac{1}{2}'' \text{ GYPSUM BOARD} \]

\[ 3\frac{3}{8}'' \text{ STEEL STUD} \]

\[ 10 \text{ MIL THICKNESS (DRY) OF FFG E-84 INTUMESCENT COATING} \]

FIRE TEST ENDURANCE RATING: 2 HOUR

STANDARD TESTED TO: NFPA-251

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

REPORT NO.: CL 61011-2 NFPA-251

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

[Signature]

LAURA ANN HINTON
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA
4367

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