S1

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

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

TO ACHIEVE 1 HOUR FIRE RATING:
APPLY 10 MIL THICKNESS (DRY) OF ForceField® FireGuard® E-84 TO EXPOSED SIDE OF GYPSUM BOARD

\( \frac{1}{2}'' \) REGULAR GYPSUM BOARD

\( \frac{1}{2}'' \) REGULAR GYPSUM BOARD

3-\( \frac{3}{8}'' \) STEEL STUD

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

FIRE TEST ENDURANCE RATING: 1 HOUR

STANDARD TESTED TO: ASTM E-119-10b

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

REPORT NO: GL 71011

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