LIVERMORE
CALIFORNIA

Fire Resistive Wall Construction
Steel Stud Wall Assembly

2007 California Building Code, Wall Assemblies, Based on Table 720.1(2) Item 13-1.1

The following information provides an acceptable method for the construction of a steel stud, one-hour fire resistive bearing or non-bearing wall, with wallboard on each side.

Studs:
Minimum 3-5/8 inches wide by 1-3/8-inch deep channels with 1/4-inch folded back return on flange. Formed of 25 gauge galvanized steel and spaced at 24 inches on center maximum. Secure each stud, on each side, to the top and bottom track with minimum 1/2" long, type S-12 self-drilling, self-tapping steel screws.

Gypsum Wallboard:
Type X, 5/8-inch thick, square or tapered edges, 4 feet wide, applied vertically or horizontally. Vertical application shall have vertical edges staggered minimum 16 inches each side. Horizontal applications shall have vertical and horizontal edges staggered 24 inches minimum each side.

Fasteners:
One inch long No. 6 drywall screws at 8 inches on center into studs and tracks (perimeter), spaced not less than 3/8-inch from edges and ends, and shall be applied in such a manner as not to fracture the face paper with the fastener head.

Joint and Fastener Head Treatment:
Joints and fastener heads shall be treated with gypsum wallboard tape and joint compound complying with the provisions of ASTM Standard E 119-00.

See also..... IB-3 Metal Stud Submittal Requirements

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