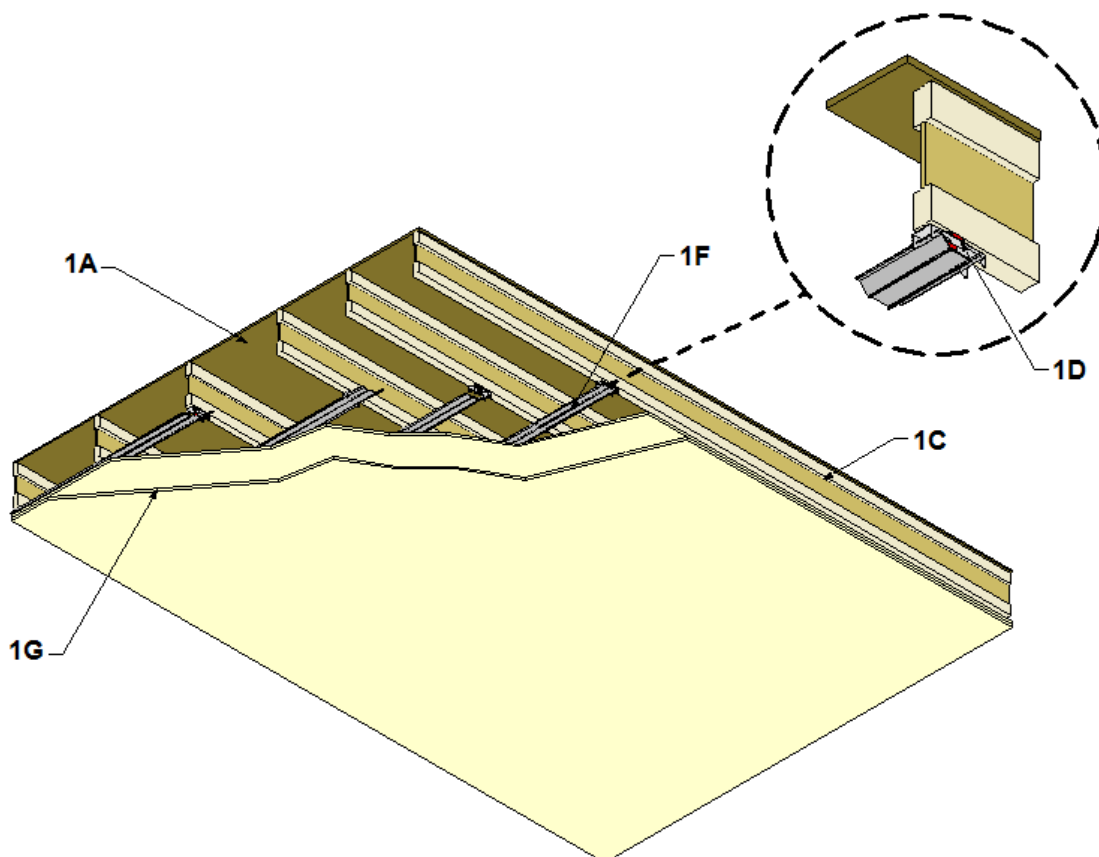

Studco Building Systems
Design Number SBS/MSVCC 60-02
Loadbearing Floor Ceiling Assembly
RESILMOUNT A237R WALL AND CEILING CLIP AND A237 WALL AND CEILING CLIP
ASTM E119
Rating: 1 Hour Unrestrained



- 1. FLOOR/CEILING ASSEMBLY:** Use a 2 hour fire-rated floor/ceiling assembly construction in accordance with material and construction specifications of UL Design No. L589 and with min. requirements as specified below:

A. SUBFLOOR SYSTEM: Install min. 19/32 in. wood structural panels perpendicular to the joists (Item 1C). Attach subfloor to the wood joists using 6d ringed shank nails or equivalent, spaced 12 in. on center (oc), and construction adhesive. Stagger end joints of subfloor.

B. FINISH FLOOR (not shown): Install min. 15/32 in. thick wood structural panels to the top of the subfloor (Item 1A) perpendicular to the wood joists (Item 1C) with end joints staggered.

C. WOOD JOISTS: Use min. 9-1/2 in. deep wood I-joists, spaced max. 19.2 in. oc, with ends blocked by 2 x 10 wood structural members. Fire block and brace as required by local code.

- 2. CERTIFIED MANUFACTURER:**
Studco Building Systems

CERTIFIED PRODUCT: Sound and Vibration Control Equipment

MODEL: Resilmount A237R Wall and Ceiling Clip or A237 Wall and Ceiling Clip

Install clips with a max. spacing of 24 in. oc perpendicular to the furring channels (Item 1F). Install clips a max. spacing of 48 in. oc parallel to the furring channels (Item 1F). Secure clips to the underside of the wood joists (Item 1C) using No. 8 x 1-1/4 in. wood screw. At all horizontal (short dimension) butt joints of the gypsum boards (Item 1G), install clips a min. 3 in. on either side of the butt joints.

3. **BATTS AND BLANKET** (Optional, not shown): Use batts and blanket attached to subflooring or use loose fill material applied over the furring channel or use min. 1 in. thick glass fiber insulation draped over furring channel. Min. 1 in. glass fiber insulation required when wood joist spacing is 24 in. oc. Batts and blanket must be rated for Surface Burning Characteristics.
4. **FURRING CHANNEL:** Install 2-1/2 in. wide x 1 in. deep (1/2 in. leg) "hat shaped" channels perpendicular to the wood joists

(Item 1C). Secure "hat shaped" channels to Resilmount A237R Wall and Ceiling Clip or A237 Wall and Ceiling Clip (Item 1D).

5. **GYPSUM BOARD:** Install two layers of min. 1/2 in. Type C gypsum board perpendicular to furring channel (Item 1E). Secure first layer of gypsum board to furring channel with 1 in. long Type S screws spaced 8 in. oc at the ends and 16 in. oc in the field along the furring channel. Secure face layer with 1-5/8 in. long Type S screws spaced 8 in. oc at the ends and in the field along the furring channel. After gypsum board is attached, apply vinyl or casein, dry or premixed, joint compound to the face layers of gypsum board in two coats to all exposed screw heads and gypsum board butt joints. Embed a min. 2 in. wide paper, plastic, or fiberglass tape in first layer of compound over butt joints of the gypsum board.
6. **LOAD RESTRICTIONS:** Apply load restrictions as noted in the referenced design listing.