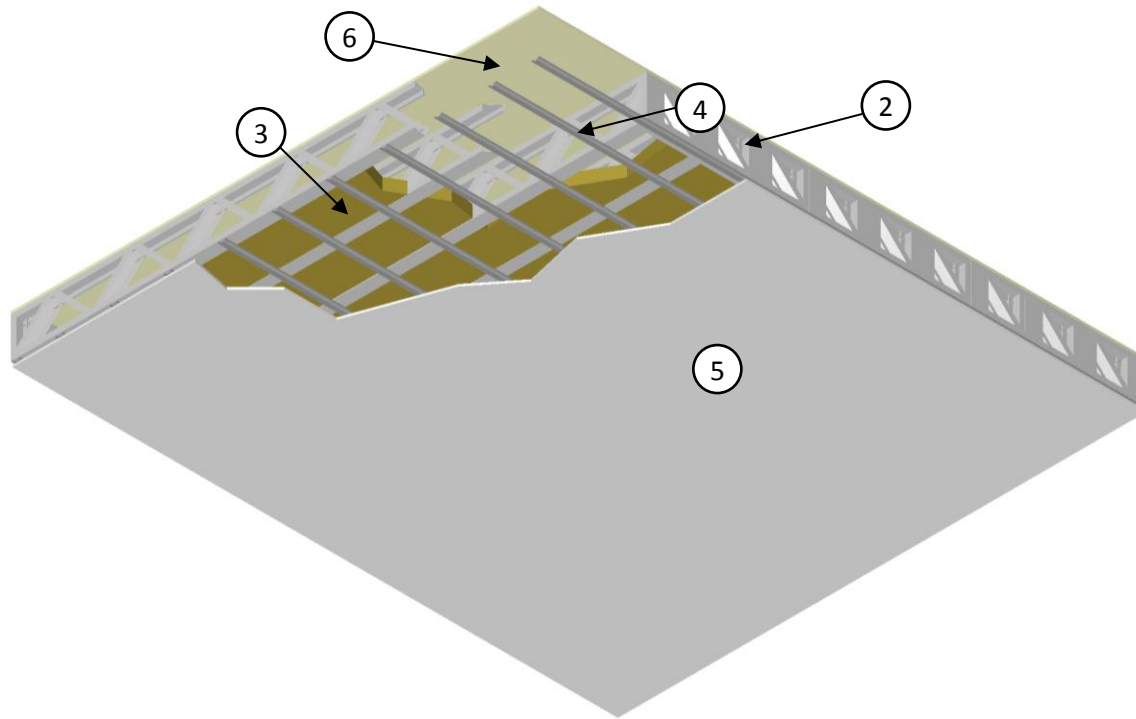


FRAMECAD America, Inc.
Design No. FAI/CFMFJF 60-01
Load-Bearing Floor/Ceiling Assembly
ASTM E119
Rating: 1 Hour Unrestrained
Superimposed Load: 100% Design Load



- 1. FLOOR/CEILING ASSEMBLY:** Construct a 1 hour rated floor/ceiling assembly incorporating the construction features described in Items 2 through 6.
- 2. CERTIFIED COMPANY:** FRAMECAD America, Inc.

CERTIFIED PRODUCT: Load-Bearing Floor/Ceiling Assembly

LOAD-BEARING FLOOR/CEILING ASSEMBLY: Use a FRAMECAD America, Inc. certified webbed floor joist constructed of min. 3-5/8 in. width, min. 1-5/8 in. flange width, min. 1/2 in. lip and 18 GA galvanized steel framing. The webbed floor joists shall be a min. 12 in. tall, spaced at 16 in. on center (oc) and designed in accordance with the North American Specification (AISI S100).
- 3. BATTS AND BLANKETS:** Install nominal 4 in. thick, min. 4 pcf, unfaced mineral fiber insulation fitted into cavities of the load-bearing floor/ceiling assembly (Item 2), resting on top of resilient channel (Item 4).
- 4. RESILIENT CHANNEL:** Install nominal 2-1/2 in. wide by min. 1/2 in. deep "hat shaped" RC2 channels perpendicular to floor joist (Item 2). Space resilient channel 16 in. oc and secure to floor joist using min. #8 x 3/4 in. self-drilling screws.
- 5. GYPSUM BOARD:** Install min. one layer of 5/8 in. Type X gypsum board to resilient channel (Item 4) with 1-1/8 in. long, Type S, bugle-head drywall screws 12 in. oc along the length of the resilient channel. Apply a Level 2 finish of vinyl or casein, dry or premixed joint compound as follows. Apply to gypsum board in two coats to all exposed fastener heads and gypsum board joints.

05 42 00 Cold-Formed Metal Joist Framing

05 42 13 Cold-Formed Metal Floor Joist Framing

Embed min. 2 in. wide paper, plastic, or fiberglass tape in first layer of compound over joints in gypsum board.

6. **SUB-FLOOR:** Install min. 3/4 in. JetBoard™ glass fiber-mat reinforced MgO cementitious panels perpendicular to floor joist system (Item 2) with min. 1-5/8 in. long, Type S, self-drilling bugle-head screws spaced 6 in. oc along the perimeter and 12 in. oc in the

field along the joists. Apply a Level 2 finish at all joints and fasteners using a cementitious joint compound. Apply to JetBoard™ in two coats to all exposed fastener heads and joints, embedding min. 2 in. wide fiberglass tape in first layer of compound over joints in JetBoard™.