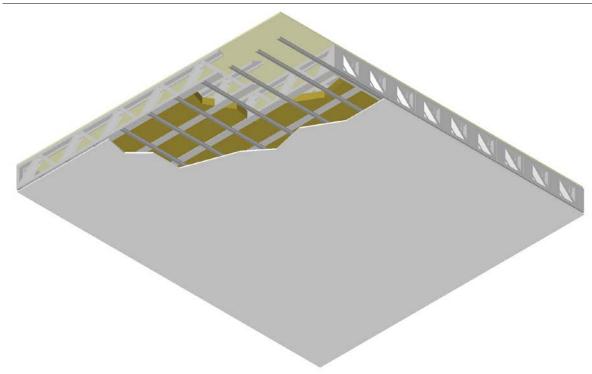
## JET PRODUCTS LLC Design No. JPL/CFMFJF 60-01 Load-Bearing Floor/Ceiling Assembly ASTM E119

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.

**CERTIFIED COMPANY:** Jet Products LLC

**CERTIFIED PRODUCT:** JetBoard™

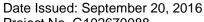
- 2. LOAD-BEARING FLOOR/CEILING ASSEMBLY: Use a webbed floor joist constructed of min. 3-5/8 in. width, min. 1-5/8 in. flange width, min. 1/2 in. lip and 18 GA galvanized steel framing. The webbed floor joists shall be a min.12 in. tall, spaced at 16 in. on center (oc).
- BATTS AND BLANKETS: Install nominal 4 in. thick, min. 4 pcf, unfaced mineral fiber insulation fitted into cavities of the loadbearing floor/ceiling assembly (Item 2), resting on top of resilient channel (Item 4).

- 4. RESILIENT CHANNEL: Install nominal 25 GA 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. Embed min. 2 in. wide paper, plastic, or fiberglass tape in first layer of compound over joints in gypsum board.

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6. SUB-FLOOR: Install certified 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 polymer enriched thin-set mortar to all joints and fasteners. 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™.



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