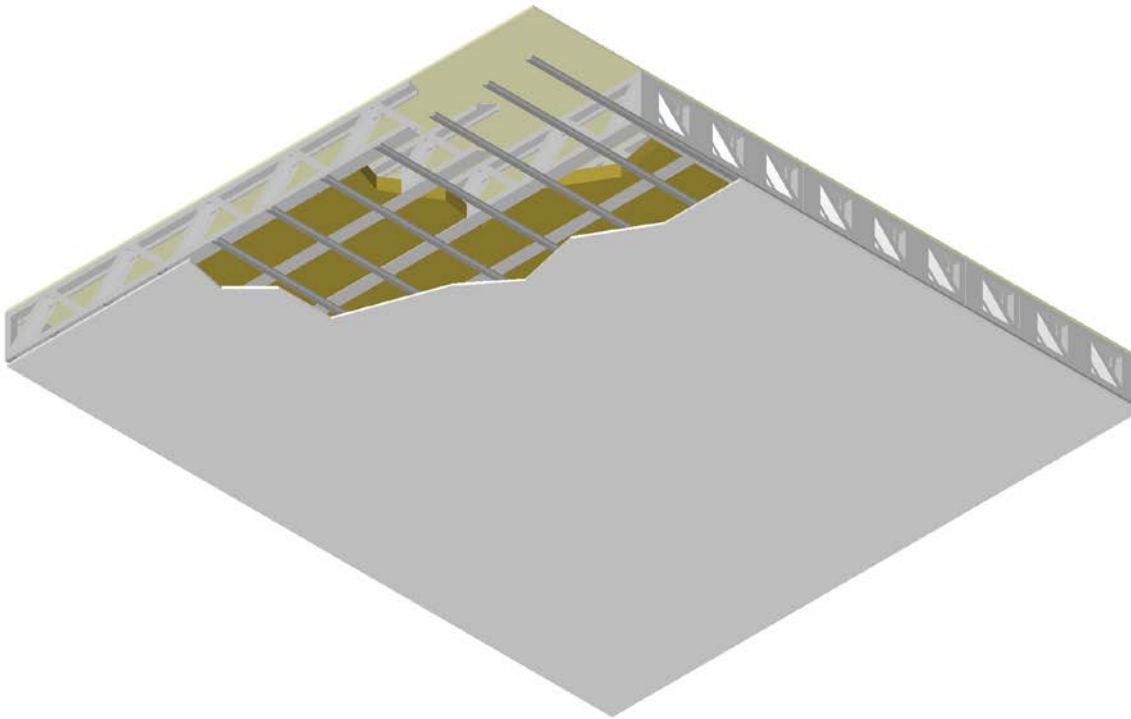

JET PRODUCTS LLC
Design No. JPL/CFMFJF 60-01
Load-Bearing Floor/Ceiling Assembly
ASTM E119
Rating: 1 Hour Unrestrained
Superimposed Load: 100% Design Load



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).
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 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 × 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.

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™.