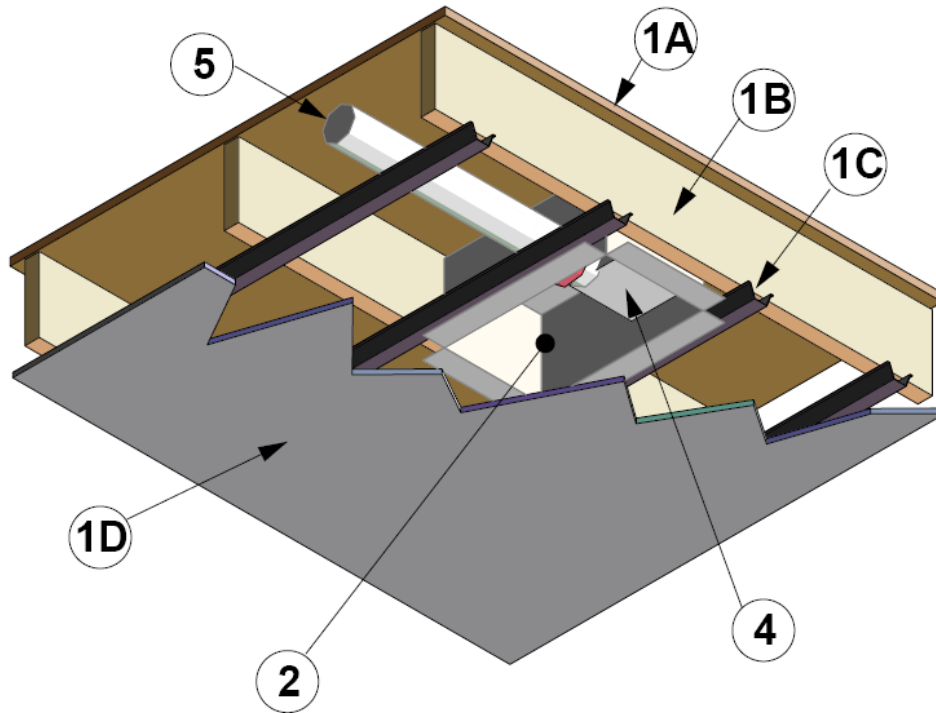


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Design No. CBI/FCA 60-01  
NON LOAD BEARING FLOOR/CEILING  
ASTM E119-05a Assembly Rating – 1 hr.  
F-Rating - 1 hr.

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1. FLOOR CEILING ASSEMBLY:  
Constructed in the manner as specified  
below:

- A. Plywood Subfloor: Nominal 23/32-in. thick interior grade plywood. Align long dimension of panels, or face grain of plywood, to be perpendicular to wood studs with joints staggered. Plywood is secured to top side of wood joist assembly (Item 1B) with No. 6d nails spaced maximum 12-in. on-center.
- B. Wood Joists: Nominal 2-in. x 10-in. SYP lumber spaced a maximum of 24-in. on-center. Joists and Resilient Channels form a minimum 12-in. deep cavity, from the underside of the subfloor (Item 1A) to the top side of the gypsum wallboard (Item 1D).
- C. Resilient Channels: Formed from nominal 26 GA galvanized steel, spaced 16-in. on-center and applied perpendicular to the 2-in. x 10-in. SYP joists. Channel is secured to the trusses with 1-1/4 in. long steel coarse thread wood screws.
- D. Gypsum Wallboard: One layer of nominal 5/8 in. Type C gypsum wallboard is secured to the underside of the resilient channel (Item 1C)--applied parallel with the Wood Joists and perpendicular to the Resilient Channels in the long dimension of the gypsum wallboard --with 1-1/4 in. long gypsum wallboard screws spaced maximum

## Floor / Ceiling Assembly

- 8-in. around the perimeter and maximum 12-in. in the interior. Apply vinyl or casein, dry or premixed joint compound to face layers of gypsum wallboard in two coats to all exposed fastener heads and gypsum wallboard joints. A minimum 2-in. wide paper, plastic, or fiberglass tape is embedded in first layer of compound over joints in gypsum wallboard.
2. RECESSED EXHAUST FAN COVER: Constructed of nominal 24 GA galvanized steel and having nominal dimensions 20-in. long x 12-in. wide x 9-1/2 in. deep and having nominal 2-5/8 in. wide flanges. Position the box inverted and recessed into the floor/ceiling cavity. Secure the flanges of the box to the underside of the truss assembly (Item 1B) with No. 6, 1-1/4 in. long bugle head screws (a minimum of three screws per flange) spaced at pre-drilled locations on the flanges. The boxes may be installed in the floor/ceiling with the following provisions:
    - Maximum 1 recessed cover within 104 sq. ft. area.
  3. INTUMESCENT MAT (*Not Shown*): One layer lining the interior surface area of the Recessed Exhaust Fan Cover. Attach mat material\*\* using the pre-punched tabs in accordance with manufacturer's instructions. (\*\*Listed with Intertek ETL Semko / OPL).
  4. RECESSED EXHAUST FAN: Bathroom exhaust fan/light combination fixture installed in accordance with manufacturer's instructions.
  5. EXHAUST DUCT: Nom. 3-in. diameter metal exhaust pipe connected to Recessed Exhaust Fan Cover with a minimum of four 1/4-in. x 2-in. long steel screws.
  6. SLEEVE EXTENSION (*Not Shown*): 3-in. diameter PVC pipe fitted concentrically inside the exhaust duct (Item 5) through wall of Recessed Exhaust fan Cover.
  7. FIRESTOP DEVICE (*Not Shown*): 3M Fire Barrier Ultra PPD 3.0 R-9269 Plastic Pipe Device\*\*, nom. 3-in. diameter, with three layers of intumescent mat material 1/8-in. thickness. Firestop Device is fitted concentrically over Sleeve Extension (Item 6). Attach device inside the Recessed Exhaust Fan Cover in accordance with manufacturer's instructions. (\*\*Warnock Hersey Listed).
  8. FIRESTOP SEAL (*Not Shown*): Apply a bead of firestop fill void or cavity material\*\*\* around annular space at the penetration through the floor/ceiling assembly. (\*\*\*)Listed with Intertek ETL Semko / OPL).

### Listed Manufacturer:

Cubicles Plus, Inc.

Formed Metal Fabrications

E.Z. Barrier™ enclosure box