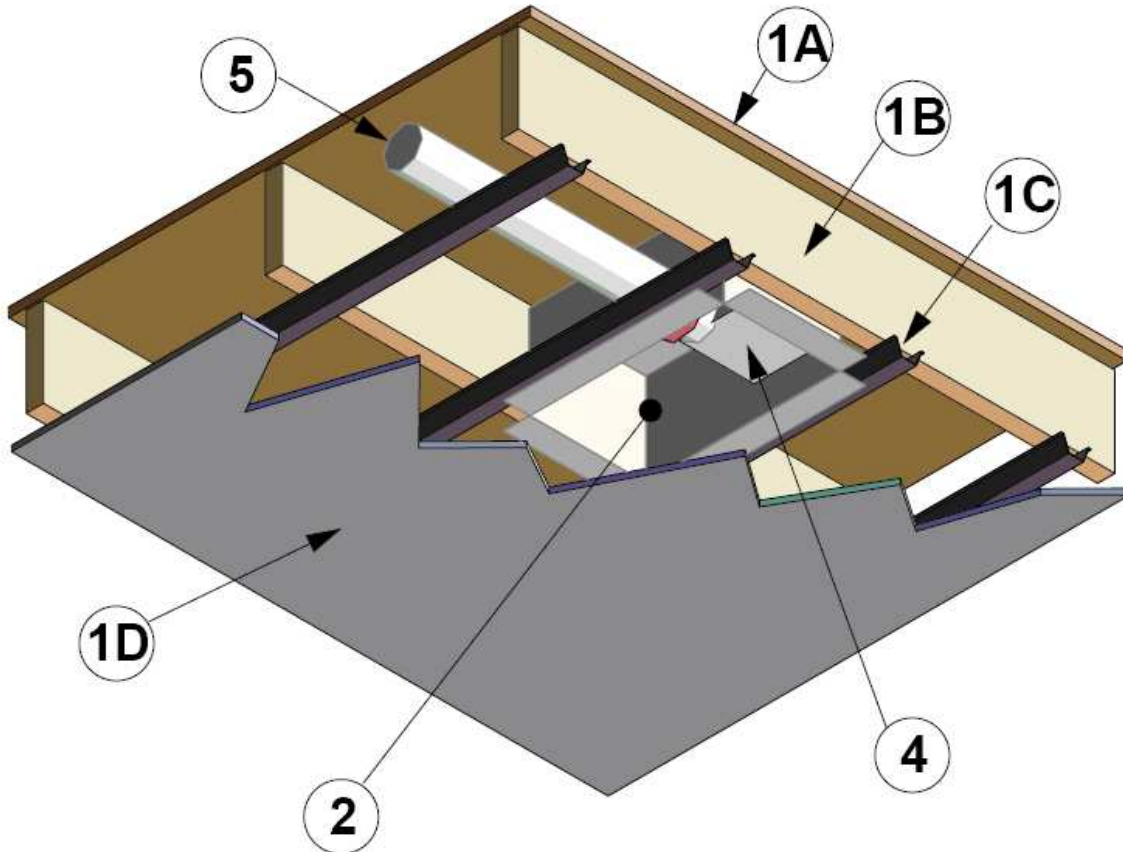


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Design Number EZB/FME 60-03  
NON LOAD BEARING FLOOR / CEILING  
E.Z. Barrier, LLC Inc.  
E.Z. Barrier™ EZB EXH Fire Rated Enclosure  
ASTM E 119  
F Rating: 1 Hour

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1. FLOOR CEILING ASSEMBLY:  
Constructed in the manner as specified below:
  - A. Plywood Subfloor: Nominal 23/32-inch 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 Number 6d nails spaced maximum 12 inches on-center.
  - B. Wood Joists: Nominal 2-inch x 10-inch SYP lumber spaced a maximum of 24 inches on-center. Joists and Resilient Channels form a minimum 12-inch deep cavity, from the underside of the plywood 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 inches on-center and applied perpendicular to the 2-inch x 10-inch SYP joists. Channel is secured to the trusses with 1-1/4 inch long steel coarse thread wood screws.
  - D. Gypsum Board: One layer of nominal 5/8 inch Type C gypsum board secured

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**Division 05 Metals**

**05 58 00 Formed Metal Fabrications**

**05 58 16 Formed Metal Enclosures**

to the underside of the resilient channel (Item 1C) and applied parallel with the Wood Joists (Item 1B) and perpendicular to the Resilient Channels (Item 1C) in the long dimension of the gypsum board with 1-1/4 inch long gypsum board screws spaced maximum 8-inches around the perimeter and maximum 12 inches in the interior. Apply vinyl or casein, dry or premixed joint compound to face layers of gypsum board in two coats to all exposed fastener heads and gypsum board joints. A minimum 2-inch wide paper, plastic, or fiberglass tape is embedded in first layer of compound over joints in gypsum board (Item 1D).

2. **CERTIFIED MANUFACTURER:** E.Z. Barrier, Inc.

**CERTIFIED PRODUCT:** Formed Metal Fabrications

**MODEL:** E.Z. Barrier™ EZB EXH Fire Rated Enclosure

**RECESSED EXHAUST FAN COVER:** Constructed of nominal 24 GA galvanized steel and having nominal dimensions 20-inches long x 12-inches wide x 9-1/2 inches deep and having nominal 2-5/8-inch 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 inch long bugle head screws (a minimum of three screws per flange) spaced at predrilled locations on the flanges. The boxes may be installed in the floor/ceiling with the following provisions:

- Maximum 1 recessed cover within 104 square foot area.
3. **INTUMESCENT MAT (*Not Shown*):** Use only intumescent mat certified by Intertek, bearing an Intertek label. Install one layer lining the interior surface area of the Recessed Exhaust Fan Cover (Item 2). Attach mat material using the prepunched tabs in

accordance with manufacturer's instructions.

4. **RECESSED EXHAUST FAN:** Bathroom exhaust fan/light combination fixture installed in accordance with manufacturer's instructions.
5. **EXHAUST DUCT:** Nominal 3-inch diameter metal exhaust pipe connected to Recessed Exhaust Fan Cover (Item 2) with a minimum of four 1/4-inch x 2-inch long steel screws.
6. **SLEEVE EXTENSION (*Not Shown*):** 3-inch diameter PVC pipe fitted concentrically inside the exhaust duct (Item 5) through wall of Recessed Exhaust fan Cover (Item 2).
7. **FIRESTOP DEVICE (*Not Shown*):** 3M Fire Barrier Ultra PPD 3.0 R-9269 Plastic Pipe Device certified by Intertek, bearing an Intertek label meeting the following requirements. Nominal 3-inch diameter, with three layers of intumescent mat material 1/8-inch thickness. Firestop Device is fitted concentrically over Sleeve Extension (Item 6). Attach device inside the Recessed Exhaust Fan Cover (Item 2) in accordance with manufacturer's instructions.
8. **FILL, VOID, OR CAVITY MATERIAL (*Not Shown*):** Use only fill, void, or cavity material certified by Intertek, bearing an Intertek label. Apply a bead of fill void or cavity material around annular space at the penetration through the floor/ceiling assembly (Item 1).

