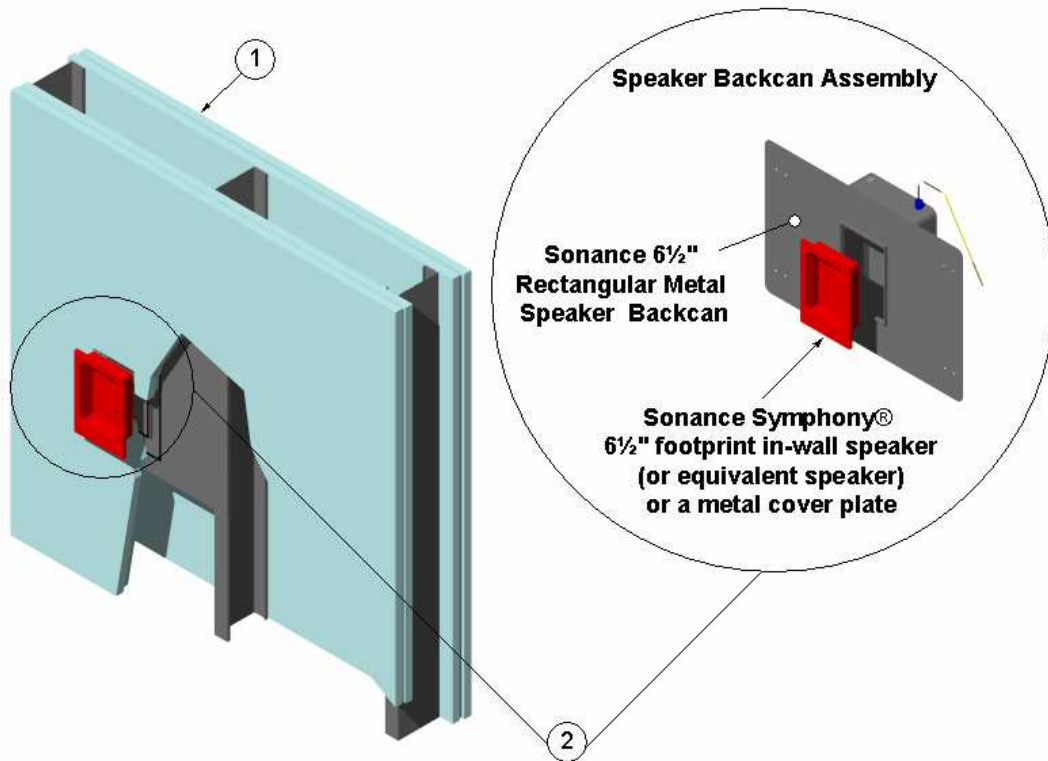

Design No. DII/PV 60-02
Penetration Fire Stops – ASTM E 814-06
T Rating – 1 hr.
F-Rating – 1 hr.



1. **GYPSUM WALL ASSEMBLY** – Any one-hour wall assembly rated in accordance with ASTM E 119, UL 263, NFPA 251, CAN/ULC S101 and complying with the following: Use steel stud framing with minimum 1-1/4 inch by 3-1/2 inch, No. 25 GSG galvanized steel studs, spaced 16 inches on center, inserted into minimum 1-1/2 inch by 3-1/2 inch wide No. 25 GSG galvanized steel floor and ceiling "C" channels. Studs attached with minimum #6 x 3/8-inch steel stud framing screws to channel shaped floor and ceiling runners, or use wood stud framing consisting of minimum No. 2 grade nominal 2 x 4 Douglas fir lumber spaced 16 inch on center attached to single bottom plate and double top plates with 16d common nails, two at each plate connection.

Cover framing with one layer of minimum 5/8-inch thick ASTM C 1396 Type X gypsum board (or equivalent) applied to each side of the steel stud framing. Apply steel or wood cross bracing at the mid-height of the wall assembly. Apply gypsum board using minimum 1 inch type S drywall screws spaced 8 inches on center along the perimeter and 12 inches on center along all studs. Premixed joint compound applied to face layers of gypsum wallboard in two coats to all exposed fastener heads and gypsum wallboard joints. A minimum 2 inch wide paper tape (or equivalent) is embedded in first layer of compound over joints in second layer of gypsum wallboard.

Penetration Firestop Systems

NOTE: Cavity insulation is not required in this wall assembly to achieve the 1-hr fire-resistance rating.

2. PENETRATING ITEM – Sonance 6½” Rectangular Metal Speaker Backcan Assembly consisting of either a Sonance 6½” Insulated Rectangular Metal Speaker Backcan (Part No. 91907), and a Sonance Symphony® 6½” footprint in-wall speaker (or equivalent speaker) or a Sonance 6½” Insulated Rectangular Metal Speaker Backcan (Part No. 91907), and a metal cover plate to protect the exposed opening.

NOTE: The inclusion of a speaker in the backcan opening or a metal cover plate over the backcan opening is required in this assembly to achieve the 1-hr fire-resistance rating

Attach the Sonance 6½” Insulated Rectangular Metal Speaker Backcan at the desired elevation to the vertical studs through the pre-drilled holes in the flange of the Speaker Backcan using a minimum of four (4) #8 x 1-1/4-inch long mechanical fasteners: one applied to each corner. Cut a hole in the gypsum board (item1) to match the opening in the Speaker Backcan. Apply the gypsum board (Item 1) over the Speaker Backcan so that the hole is aligned with the Speaker Backcan opening. Install the Sonance Symphony® 6½” footprint in-wall speaker (or equivalent speaker) or a metal cover plate. . Reference the manufacturer's installation instructions for more details about the iPort assembly and wiring.

Listed Manufacturer:

Sonance – 6½” insulate rectangular in-wall speaker backcan assembly