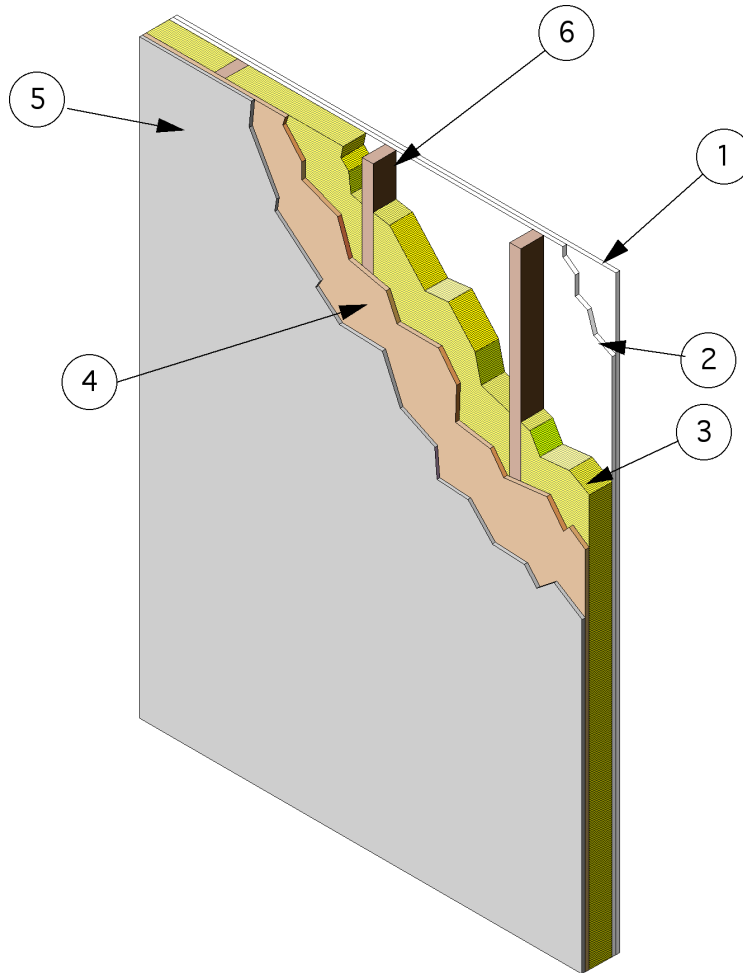


Design No. BW 124

BEARING WALL

Assembly Rating: 2 hr

Interior Exposure Only



1. WALLBOARD, GYPSUM: Fire side. Face layer 5/8 in. thick x 4 ft. x 10 ft. Type X gypsum wallboard, applied vertically, fastened with 8d cement coated nails, 2-3/8 in. long cup-head drywall nails with 0.113 in. shank dia. and 9/32 in. head dia., spaced 8 in. o.c. along all studs and runners. All joints and nail heads were covered with paper tape and/or gypsum joint compound. Joint Tape and Compound - vinyl or casein, dry or premixed joint compound applied to face layers of gypsum wallboard in two coats to all exposed fastener heads and gypsum wallboard joints. A min. 2-in. wide paper, plastic or fiberglass tape

embedded in first layer of compound over joints in gypsum wallboard.

2. WALLBOARD, GYPSUM: Base layer 5/8 in. thick x 4 ft. x 10 ft. Type X gypsum wallboard, applied vertically, fastened with 6d cement coated nails, 1-7/8 in. long, cup-head drywall nails with 0.0915 in. shank dia. and 1/4 in. head dia., spaced 6 in. o.c. along all studs and runners.

3. CAVITY INSULATION: Unfaced mineral fiber batt insulation having a nom. 3-1/2 in. thickness, 3 pcf density and friction fit between the studs, cross-bracing, top and bottom plates.

Fire-Resistant Walls

4. **PANEL:** A nom. 48 x 96 in. panel of either a nom. 1/2 in. (APA rated 15/32 in.) thick plywood or 7/16 in. thick OSB with 0.060 in. thick inorganic laminate boards** adhered to both faces of the wood sheet. Plywood core panels are nom. 5/8 in. thick and OSB core panels are nom. 9/16 in. thick. Panels are attached to the wood framing with 1-7/8 in. long, 6d nails, and spaced 6 in. o.c. around the perimeter and 12 in. o.c. in the field. (**The inorganic laminate boards are composed of a fire resistant slurry imbedded into a glass fiber mat and are called Pyrotite Sheets.)
Listed Manufacturer:
Barrier Technology Corporation --
Wood Sheathing
Fire Retardant Coated Sheathing
Blazeguard® (Direct Applied, Plywood)
Blazeguard® (Direct Applied, OSB)
5. **EXTERIOR FINISH:** Optional: Installed in accordance with manufacturer's installation instructions.
 - A. T-1-11 Plywood - APA rated siding, Series 303, including textures, rough sawn, MDO, brushed, channel grooved, and lap siding.
 - B. Particle Board - OSB, wafer board, or hardboard exterior siding building sidings, including patterned panels.
 - C. Cementitious Stucco - Portland cement or synthetic stucco systems with self-furring metal lath or adhesive base coat. Min. thickness 3/8 in.
 - D. Vinyl Siding - Exterior plastic siding.
6. **WOOD STUDS:** Nom. 2 in. x 4 in. wood studs spaced 16 in. o.c., with two 2 in. x 4 in. wood studs as a top plate and one 2 in. x 4 in. wood stud as a bottom plate and horizontal cross-bracing positioned at midheight of the wall.