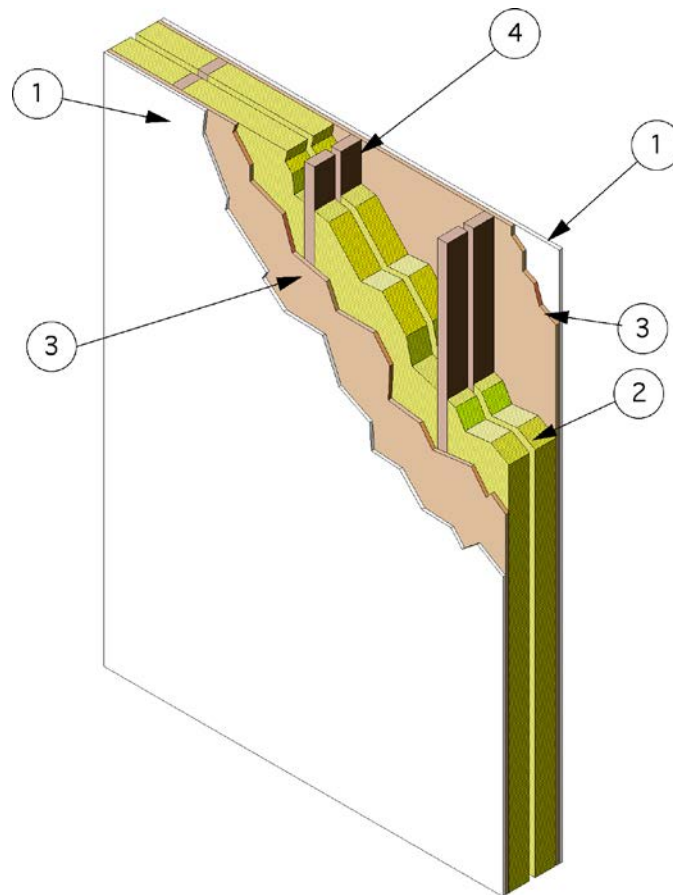

**Louisiana-Pacific Corporation
Design No. BTC/WPPS 120-02
Loadbearing Wall Assembly
Blazeguard® Sheathing
ASTM E119
Fire Resistance Rating: 2 Hour**



- 1. WALLBOARD, GYPSUM:** One layer 5/8 in. thick x 4 ft. x 10 ft. Type X gypsum wallboard, applied vertically over the panels to each side of the assembly, fastened through the panels with 8d cement coated nails, 2-3/8 in. long, cup-head drywall nails with 0.113 in. shank diameter and 9/32 in. head diameter, spaced 8 in. on center (oc) along all studs and runners.

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



- 3. PANEL:** A nominal 48 x 96 in. panel of either a nominal 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 only one face of the wood sheet. Plywood core panels are nominal 9/16 in. thick and OSB core panels are nominal 1/2 in. thick. Inorganic laminate board side of panels are attached to both exposed sides of the wood framing with 1-7/8 in. long, 6d nails, spaced 6 in. oc around the perimeter and 12 in. oc 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: Louisiana-Pacific Corporation

WOOD SHEATHING – Fire Retardant Coated Sheathing Blazeguard® (Direct Applied, Plywood) or Blazeguard® (Direct Applied, OSB)

- 4. WOOD STUDS:** Nominal 2 in. x 4 in. No. 1 grade wood studs spaced 16 in. oc, with two 2 in. x 4 in. wood studs as top plate and one 2 in. x 4 in. wood stud as a bottom plate, and horizontal cross-bracing positioned at mid-height of the wall.