

BXUVC.W490
Fire-resistance Ratings

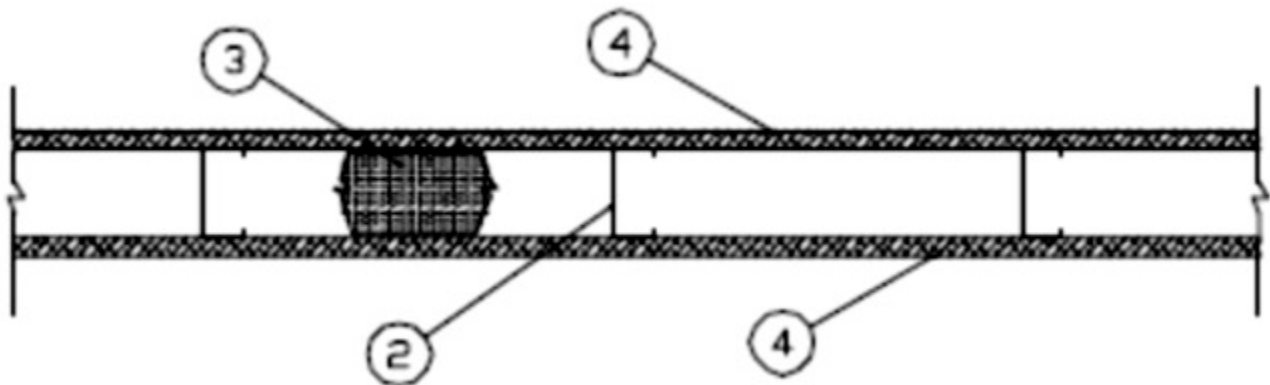
BXUVC - Fire-resistance Ratings

[See General Information for Fire-resistance Ratings](#)

Design No. W490

March 06, 2015

Assembly Rating — 1 h



Nonbearing Wall

1. **Floor and Ceiling Runners** — (Not Shown) — Channel shaped, fabricated from minimum 20 MSG (0.91 mm design thickness) corrosion-protected steel, minimum width to accommodate stud size, with minimum 32 mm long legs, attached to floor and ceiling with fasteners at maximum 610 mm OC.
2. **Steel Studs** — Channel shaped, fabricated from minimum 20 MSG (0.91 mm design thickness) corrosion-protected steel, minimum 92 mm wide with minimum 35 mm flanges and minimum 9.5 mm return, spaced at maximum 610 mm OC. Studs to be cut 19 mm less than assembly height.
3. **Batts and Blankets** — ULC labeled mineral wool batts, friction fitted between studs and runners. Minimum 64 mm thick and minimum 32 Kg/m³ density.
- 4. **Building Units** — (BZXXC). 1220 mm wide magnesium oxide panels. Minimum 12 mm thick panels secured to steel studs with 41 mm. long, #8 self- drilling, cement board wafer head screws. Screws spaced 200 mm OC around board perimeter starting 102 mm from board corners and 455 mm OC in the field of the board. Vertical joints on opposite sides of the wall staggered a minimum of 610 mm.

5. **Joint Tape and Compound** — (Not Shown) — Vinyl, dry, or premixed joint compound applied in two coats to board joints and screw heads. Fiberglass tape, nominal 50 mm wide, embedded in first layer of compound over all board joints.

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