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## **BXUVC.W323 Fire Resistance Ratings**

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### **Fire Resistance Ratings**

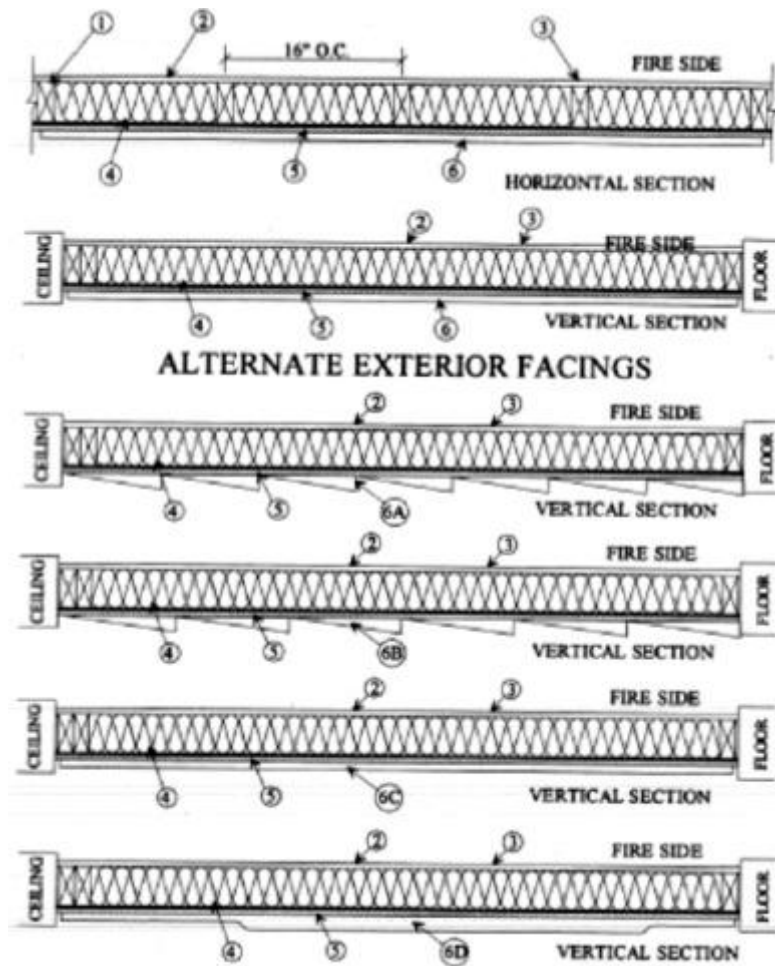
[See General Information for Fire Resistance Ratings](#)

**Design No. W323**  
November 10, 2010

**Assembly Rating — 1 h**

**(EXPOSED TO FIRE ON INTERIOR FACE ONLY)**

**Load Restricted — Assembly evaluated in accordance with Working Stress Design methods,  
for use under Limit States Design methods; refer to information under Guide [BXUVC](#).**



### Horizontal Section

#### Bearing Wall - (Finish Rating - 23 min)

1. **Wood Studs** — 38 mm by 89 mm, spaced 400 mm OC in with two 38 mm by 89 mm top and one 38 mm by 89 mm bottom plates. Studs cross-braced at mid-height and effectively fire stopped.
2. **Gypsum Board** — ULC labeled wallboard, 15.9 mm thick, 1220 mm wide, applied vertically, and nailed to studs and bearing plates with 6d cement coated nails, 48 mm long, 2.3 mm shank diam. and 6 mm diam. head, spaced at 178 mm OC
3. **Joints and Nailheads** — Wallboard joints covered with tape and joint compound. Nail heads covered with joint compound.
4. **Batts and Blankets** — ULC labeled, unfaced mineral fiber insulation, 89 mm thick, nom 48 kg/m<sup>3</sup>, pressure fit in the wall cavity between stud, plates, and cross bracing.

- **5. Building Units** — (BZXXC) Building units, applied in one layer, placed with the laminate face against, and nailed to, the wood framing with 48 mm long, 6d nails, spaced 150 mm OC. on the perimeter and 300 mm OC. in the field.

**BARRIER TECHNOLOGY CORP** — Type Blazeguard 1-Side

**LOUISIANA-PACIFIC CORP** — Type LP FlameBlock 1-Side

**6. Exterior Facings** — Installed in accordance with the manufacturer's Installation Instructions.

**6A. Vinyl Siding** — (Optional) - Any UL or ULC classified exterior plastic siding (molded plastic), fastened to the building units with nails or screws, at the locations specified by the manufacturer.

**OR**

**6B. Particle Board Siding** — (Optional) - Any UL or ULC classified oriented strand board, wafer board, or hard board exterior building sidings including patterned panels.

**OR**

**6C. T-1-11 Plywood** — (Optional) - American Plywood Association rated siding series 303 including textures, bough sawn, MDO, brushed, channel grooved, and lap siding.

**OR**

**6D. Cementitious Stucco** — (Optional) - Portland cement or synthetic stucco systems with self furring metal lath or adhesive base coat. Thickness from 9.5 mm in. to 19 mm depending on system.

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