



BXUVC.W316 Fire-resistance Ratings

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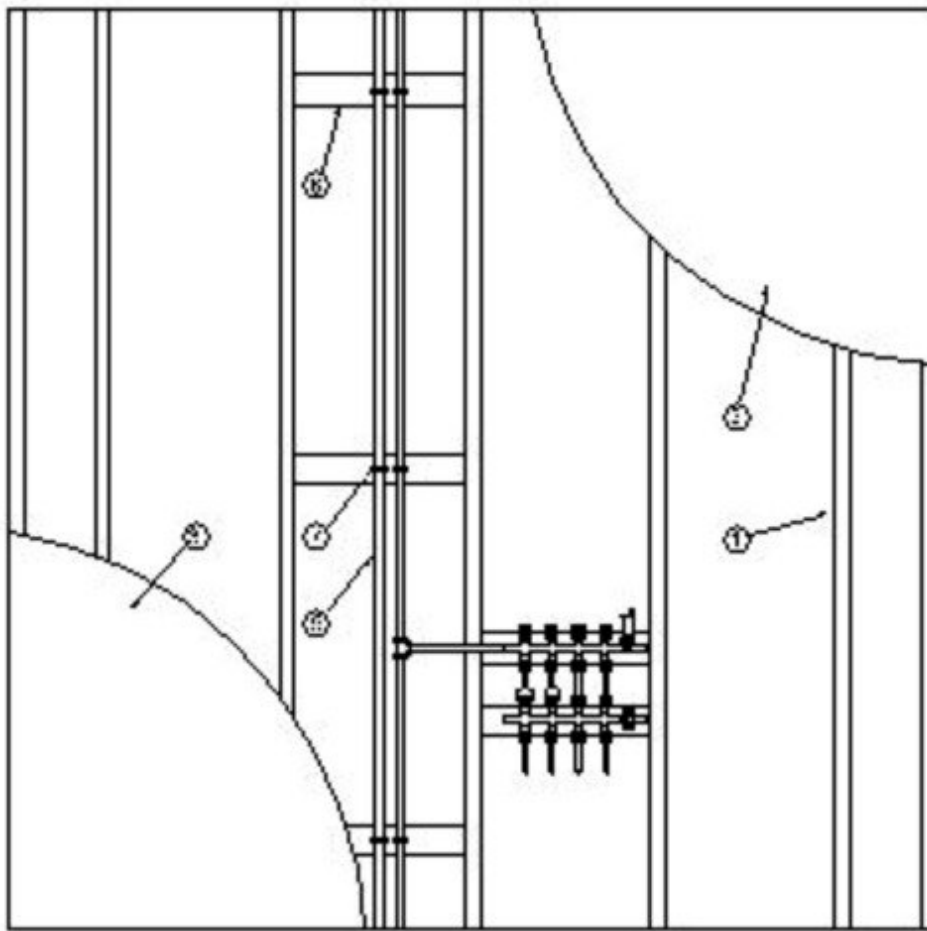
Fire-resistance Ratings

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

Design No. W316

January 30, 2013

Assembly Rating - 1 h



Bearing Wall - (Finish Rating — 23 Min)

1. **Wood Studs** — Nominal 38 mm by 89 mm spaced 406 mm on center, effectively cross braced at mid-height and fire stopped at top and bottom.

2. **Batts and Blankets** — (Optional, Not shown) - ULC listed mineral wool or glass fibre batts partially or completely filling stud cavity.

3. **Gypsum Board** — (CKNXC), 15.9 mm thick wallboard applied vertically. Wallboard nailed 175 mm OC with 6d cement coated nails 48 mm long, 2.5 mm shank diameter and 6 mm diameter heads.

CGC INC — Type C, AR, WRC, SECUROCK FIRECODE X, Type USGX

4. **Joint Tape and Compound** — (Not Shown). Joint compound, applied in two coats to joints and nails heads; paper tape, 50 mm wide, embedded in first layer of compound over all joints.

■ 5. **Non-Metallic Plumbing System Components** — (CEYDC). Nominal 6mm, 10 mm, 13 mm, 16 mm, 19 mm, 25 mm, 32 mm, 38 mm and 50 mm diameter tubing attached to cross bracing (Item 6) with plastic, steel or copper fasteners (Item 7). The tubing may be connected to standard copper or brass-plumbing components, tees, bend supports and manifolds within the cavity. Plastic manifolds, with a weight not exceeding 2.13 kg per cavity may be used in lieu of or in addition to copper or brass manifolds. The maximum amount of tubing per stud cavity shall be 0.83 kg/m and shall not exceed a total weight of 2.54 kg per stud cavity.

BOW PLASTICS LTD — Types SuperPex, Oxypex, Bow CPVC FlowGuard Gold, Bow Superflo CPVC

HEATLINK GROUP INC — Types Purelink PEXa, Heatlink PEXa, Purelink Plus

IPEX INC — Type CPVC AquaRise

REHAU CONSTRUCTION L L C — Types RaupeX Non-barrier PE-Xa, RaupeX O2-barrier PE-Xa, RaupeX UV-Shield PE-Xa, MUNICIPEX

VANGUARD PIPE & FITTINGS LTD — Types Vanex, CanPLUMB, CanPEX, CanFLEX, Vanex Plus, Vanex BPEX, Vanex Barrier, CanRAY, Vanex/ViegaPex Ultra, Canpex UV Plus and Canpex UV+

6. **Bracing** — Nominal 38 mm by 89 mm lumber cut to fit within the stud cavity. The maximum spacing between bracing in cavities that contain tubing shall be 1015 mm OC. The bracing shall be screw attached to the studs using standard 25 mm long Type S screws or nailed with nails suitable for wood framing construction.

7. **Fasteners** — Standard copper, brass, steel or plastic plumbing fasteners. The fasteners shall be screw attached to the bracing using a minimum 22 mm long screw.

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