



BXUVC.W458 Fire-resistance Ratings

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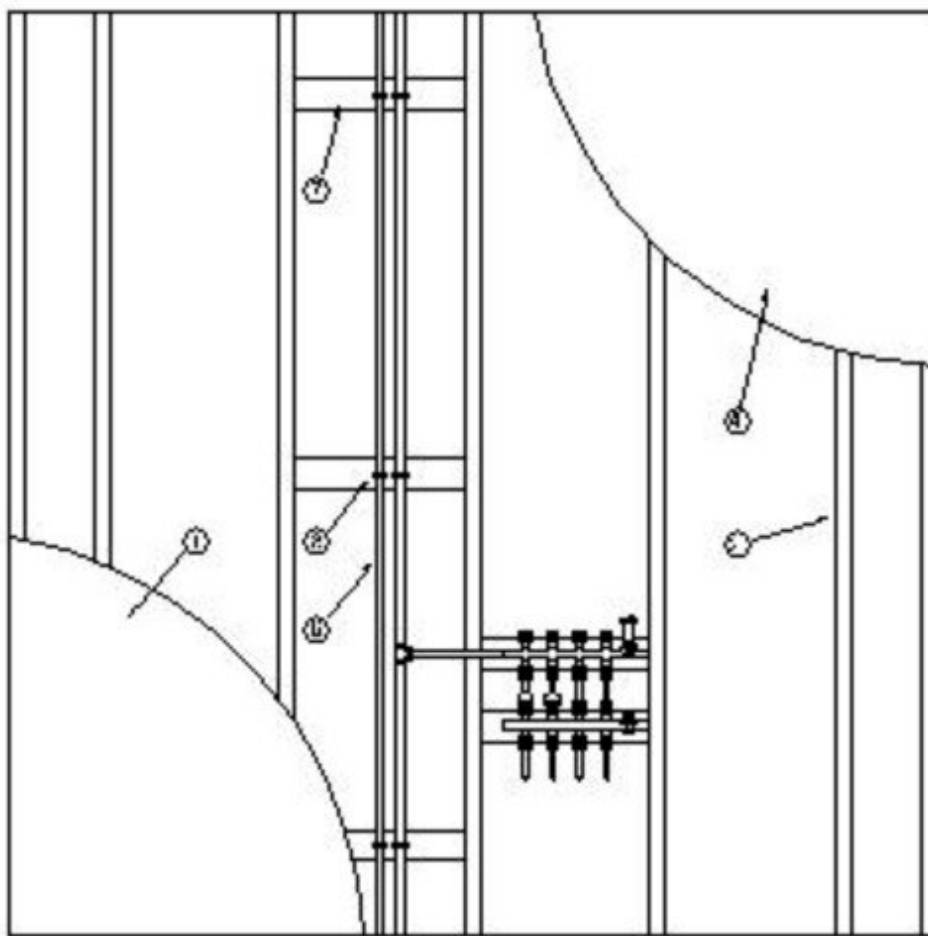
Fire-resistance Ratings

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Design No. W458

January 30, 2013

Assembly Rating — 1 h



Nonbearing Wall

1. **Floor and Ceiling Runners** — (not shown) - Channel shaped runners, minimum 92 mm. wide with 32 mm legs, formed from minimum 0.838 mm thick (20 MSG) galvanized steel, attached to floor and ceiling with fasteners spaced maximum 600 mm OC.

2. **Steel Studs** — Channel shaped, minimum 92 mm wide, 32 mm legs, 5 mm folded back returns, formed from minimum 0.838 mm thick (20 MSG) galvanized steel spaced maximum 600 mm OC.

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

4. **Gypsum Board** — (CKNXC). 15.9 mm thick, 1220 mm wide, attached to steel studs and floor and ceiling track with 25 mm long, Type S steel screws spaced 204 mm OC. along edges of board and 305 mm OC in

the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly.

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

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

▪ **6. 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 7) with plastic, steel or copper fasteners (Item 8). 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 0.7 kg/m and shall not exceed a total weight of 2.13 kg per stud cavity.

BOW PLASTICS LTD — Types SuperPex, Oxpex, 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+

7. Bracing — Minimum 0.838 mm thick (20 MSG) galvanized steel, minimum 92 mm wide, 32 mm legs, 5 mm folded back returns, or 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 two standard 25 mm long Type S screws at each end of bracing member.

8. 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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