Design No. U055
BXUV.U055
Fire Resistance Ratings - ANSI/UL 263

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Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263

BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

See General Information for Fire-resistance Ratings - ANSI/UL 263

See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

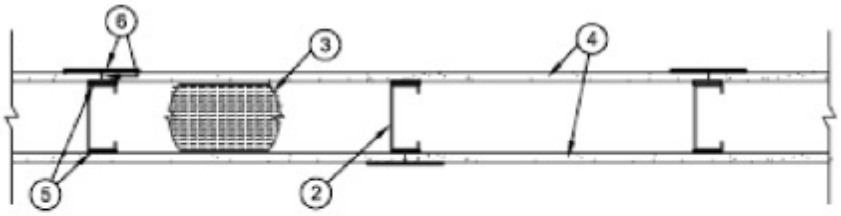
Design No. U055

October 27, 2009

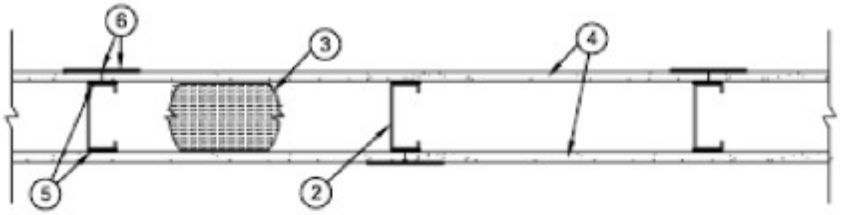
Nonbearing Wall Ratings — 1, 1-1/2, 2 or 3 Hr (See Item 4)

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

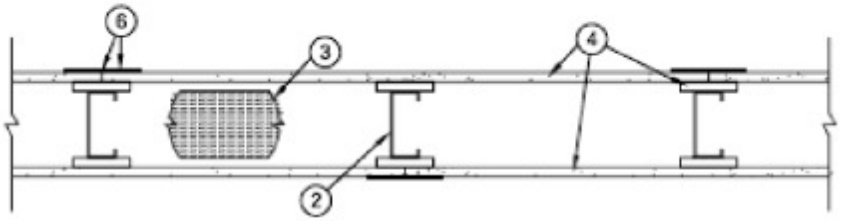
1 OR 1-1/2 HR CONFIGURATION



2 HR CONFIGURATION



3 HR CONFIGURATION



1. **Floor and Ceiling Runners —** (Not shown) — Channel shaped, fabricated from min 22 MSG corrosion-protected steel, min width to accommodate stud size, with min 1-1/4 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max.

2. **Steel Studs —** Channel shaped, fabricated from min 22 MSG corrosion-protected steel, min width as indicated under Item 4, min 1-1/2 in. flanges, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

3. **Batts and Blankets* —** Mineral wool batts, friction fitted between studs and runners. Min nom thickness and min density as indicated under Item 4. See **Batts and Blankets (BKNV or BZJZ)** Categories for names of Classified companies.

4. **Building Units* —** 4 ft. wide Type Dragonboard magnesium oxide panels.

1 Hr Rating — Outer surface of steel studs (Item 2) covered with gasket tape (Item 5) prior to panel installation. Nominal 10mm thick panels installed vertically with vertical joints centered over studs and staggered from vertical joints on opposite side of studs. Horizontal joints staggered from horizontal joints on opposite side of studs and backed by a min 20 MSG, nom 3-1/2 in. wide steel nailer plate (not shown) centered behind the horizontal joint. Outer surface of steel nailer plate covered with gasket tape (Item 5). Plate secured to steel studs prior to panel placement. Max 1/16 in. separation at all panel joints. Joint separation completely filled with fill material (Item 6). Panels attached to studs and plates with 1-1/4 in. long bugle head screws spaced 6 in. OC max at the perimeter and in the field.

1-1/2 Hr Rating — Outer surface of steel studs (Item 2) covered with gasket tape (Item 5) prior to panel installation. Nominal 14mm thick panels installed vertically with vertical joints centered over studs and staggered from vertical joints on opposite side of studs. Horizontal joints staggered from horizontal joints on opposite side of studs and backed by a min 20 MSG, nom 3-1/2 in. wide steel nailer plate (not shown) centered behind the horizontal joint. Outer surface of steel nailer plate covered with gasket tape (Item 5). Plate secured to steel studs prior to panel placement. Max 1/16 in. separation at all panel joints. Joint separation completely filled with fill material (Item 6). Panels attached to studs and plates with 1-1/4 in. long bugle head screws spaced 6 in. OC max at the perimeter and in the field.

2 Hr Rating — Outer surface of steel studs (Item 2) covered with gasket tape (Item 5) prior to panel installation. Nominal 14mm thick panels installed vertically with vertical joints centered over studs and staggered from vertical joints on opposite side of studs. Horizontal joints staggered from horizontal joints on opposite side of studs and backed by a min 20 MSG, nom 4 in. wide steel nailer plate (not shown) centered behind the horizontal joint. Outer surface of steel nailer plate covered with gasket tape (Item 5). Plate secured to steel studs prior to panel placement. Panel joints filled with a 3/16 in. bead of fill material (Item 6) and butted tight. Panels attached to studs and plates with 2 in. long bugle head screws spaced 6 in. OC max at the perimeter and in the field.

3 Hr Rating — A 3 in. wide strip of nominal 14mm thick Type Dragonboard magnesium oxide panel is secured to the outer surface of steel studs (Item 2) prior to panel placement. Nominal 14mm thick panels installed vertically with vertical joints centered over studs and staggered from vertical joints on opposite side of studs. Horizontal joints staggered from horizontal joints on opposite side of studs and backed by a min 18 MSG, nom 4 in. wide steel nailer plate (not shown) centered behind the horizontal joint. Plate secured to steel studs prior to panel placement. Panel joints filled with a 3/16 in. bead of fill material (Item 6) and butted tight. Panels attached to studs and plates with 2 in. long bugle head screws spaced 6 in. OC max at the perimeter and in the field.

The min stud depth and thickness of insulation for the 1 hr, 1-1/2 hr, 2 hr and 3 hr ratings are as follows:

Rating, Hr	Min Stud Depth, in. (Item 2)	Min Thickness of Insulation (Item 3)	Min Density of Insulation (Item 3)
1 or 1-1/2	3-5/8	3 in.	5.7 pcf
2	3-5/8	4 in.	6.1 pcf
3	4	4 in.	6.1 pcf

DRAGONBOARD USA L L C — Nom 10mm or 14mm thick Type Dragonboard.

5. **Gasket Tape —** Foam isolator tape with foiled backing, 1-1/4 in. wide by 1/8 in. thick, with pressure-sensitive adhesive on one side.

6. **Fill, Void or Cavity Materials* —** All vertical and horizontal joints of building unit panels covered with a 4 in. wide, min 1/8 in. thick layer of fill material. Screw heads covered with fill material.

PASSIVE FIRE PROTECTION PARTNERS — Type 4800DW Sealant.

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Last Updated on 2009-10-27