



BXUV.V418 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 Listed or Classified 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 as Classified, Listed, or Recognized.

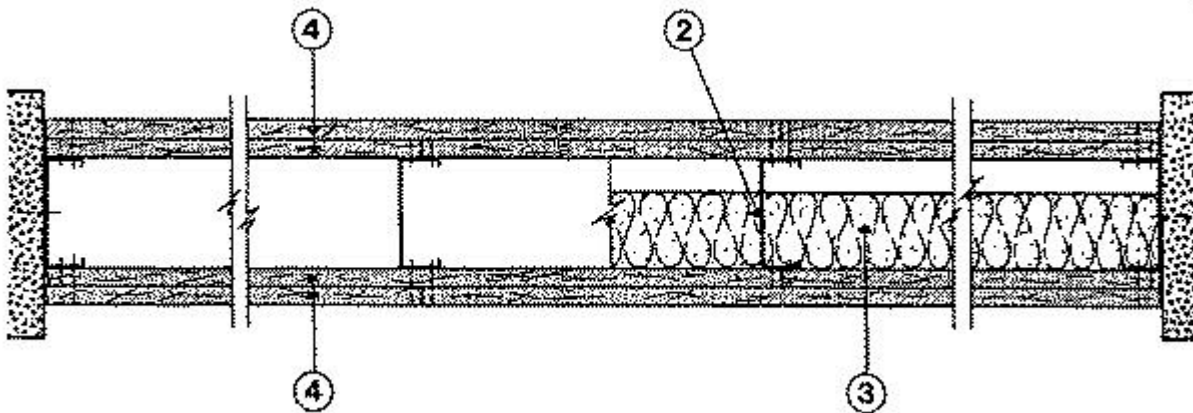
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Design No. V418

March 23, 2009

Nonbearing Wall Rating — 2 Hr



1. **Floor and Ceiling Runners** — (Not Shown) — 25 MSG (min) galv steel 1 in. high, return legs 1-5/8 in. wide (min), attached to floor and ceiling with fasteners 24 in. OC.

1A. **Framing Members - Floor and Ceiling Runner*** — Not shown - In lieu of Item 1 — For use with Item 2A, proprietary channel shaped runners, 1-1/4 in. deep by 1-5/8 in. wide fabricated from min 0.0200 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

MARINO\WARE A DIV OF WARE INDUSTRIES

INC — Viper20S™ Track, Viper20D™ Track

2. **Steel Studs** — 1-5/8 in. wide (min), 1-1/4 in. legs, 1/4 in. return, formed of 25 MSG (min) galv steel max stud spacing 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

2A. Framing Members - Metal Studs* — Not shown - In lieu of Item 2 — For use with Item 1A, proprietary channel shaped steel studs, 1-1/4 in. deep by 1-5/8 in. wide fabricated from min 0.0200 in. thick galv steel. Studs 3/4 in. less in lengths than assembly heights. Spaced 24 in. OC max.

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INC — Viper20S™, Viper20D™

3. Batts and Blankets* — Mineral wool batts, partially or completely filling stud cavity.

ROCK WOOL MANUFACTURING CO — Delta Board.

ROXUL ASIA SDN BHD

ROXUL INC

4. Gypsum Board* — 1/2 in. thick. Wallboard applied vertically in two layers. (Laminated System) Inner layer attached to studs with 1 in. long Type S steel screws spaced 24 in. OC along vertical edges, and 24 in. OC in the field. Outer layer laminated to inner layer with joint compound, applied with a notched spreader producing continuous beads of compound about 3/8 in. in diam, spaced not greater than 2 in. OC. Joints of laminated outer layer offset 12 in. from inner layer joints. Outer layer wallboard attached to inner layer with 1-1/2 in. long Type G steel screws spaced 24 in. OC along edges and center line of each sheet. Optional, (Direct Attached System) Wallboard applied vertically in two layers. Inner layer attached to studs with 1 in. long Type S steel screws spaced 24 in. OC in the field and along the vertical edges. Outer layer attached to the studs over the inner layer with 1-5/8 in. long Type S steel screws spaced 12 in. OC in the field, along the vertical edges, and to the floor and ceiling runners. Joints of screw-attached outer layer offset from inner layer joints.

Optional, (Direct Attached System), Inner layer wallboard applied vertically, outer layer wallboard applied horizontally. Inner layer attached to studs with 1 in. Type S steel screws spaced 24 in. OC along vertical edges and in the field.

Outer layer attached to the studs over the inner layer with 1-5/8 in. long Type S steel screws spaced 12 in. OC in the field, along the vertical edges, and to the floor and ceiling runners. Outer layer secured to inner layer wallboard with 1-1/2 in. long Type G steel screws located midway between studs and 1 in. from the horizontal joint. Outer layer wallboard joints covered with joint tape and min two coats of joint compound, and screwheads covered with min two coats of joint compound. As an alternate, nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced.

AMERICAN GYPSUM CO — Types AG-C.

CERTAINTED GYPSUM INC — Type FRPC, ProRoc Type C.

CERTAINTED GYPSUM CANADA INC — ProRoc Type C.

CANADIAN GYPSUM COMPANY — Type C, IP-X2, IPC-AR or WRC.

GEORGIA-PACIFIC GYPSUM L L C — Type 5, C, DAP, DA.

LAFARGE NORTH AMERICA INC — Types LGFC-C, LGFC-C/A

NATIONAL GYPSUM CO — Types FSK-C, FSW-G, FSW-C, FSMR-C.

PABCO BUILDING PRODUCTS L L C, DBA

PABCO GYPSUM — Type PG-C

TEMPLE-INLAND FOREST PRODUCTS CORP — Type TP-5, TG-C.

UNITED STATES GYPSUM CO — Type C, IP-X2, IPC-AR or WRC

USG MEXICO S A D E C V — Type C, IP-X2, IPC-AR or WRC

4A. **Gypsum Board*** — (As an alternate to Item 4) — 5/8 in. thick. Two layers installed by any method as described in Item 4.

NATIONAL GYPSUM CO — Type FSMR-C.

*Bearing the UL Classification Mark

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