



Design No. U403

BXUV.U403

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.

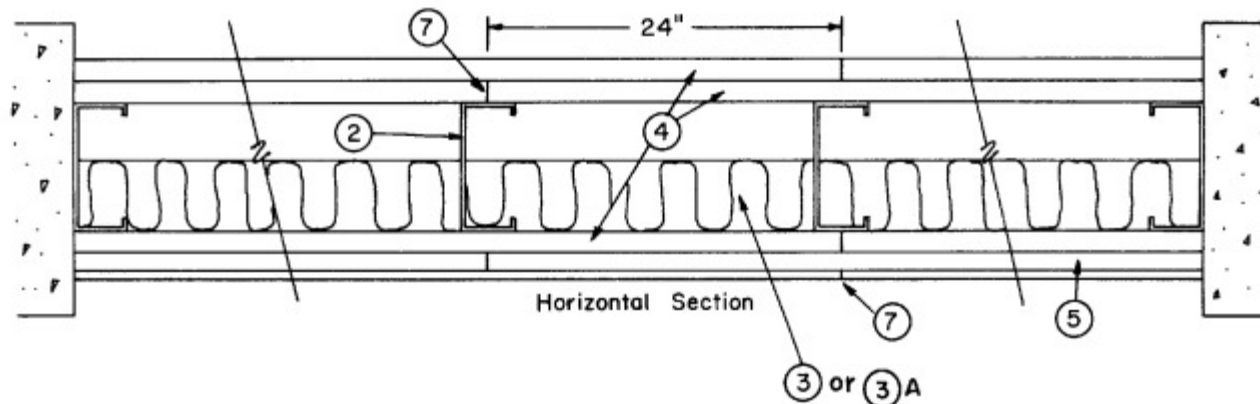
Fire-resistance Ratings - ANSI/UL 263

[See General Information for Fire-resistance Ratings - ANSI/UL 263](#)

Design No. U403

April 10, 2013

Nonbearing Wall Rating — 2 HR.



1. **Floor and Ceiling Runners** — Channel shaped, 1-1/4 in. wide by 3-5/8 in. deep, fabricated from min 0.020 in. thick (25 gauge) galv steel, attached to floor and ceiling with fasteners spaced 24 in. O.C.

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. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™Track

CRACO MFG INC — SmarterTrack20™, SmartTrack20™

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™Track

STUDCO BUILDING SYSTEMS — CROCSTUD Track

PHILLIPS MFG CO L L C — Viper20™ Track

1B. **Framing Members* - Floor and Ceiling Runner** — Not shown - In lieu of Item 1 — For use with Item 2B, channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

CLARKDIETRICH BUILDING SYSTEMS — CD ProTRAK

DMFCWBS L L C — ProTRAK

MBA BUILDING SUPPLIES — ProTRAK

RAM SALES L L C — Ram ProTRAK

SOUTHEASTERN STUD & COMPONENTS INC — ProTRAK

STEEL STRUCTURAL SYSTEMS L L C — Tri-S ProTRAK

1C. **Framing Members* - Floor and Ceiling Runner** — Not shown - In lieu of Item 1 — For use with Item 2C, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

TELLING INDUSTRIES L L C — Viper20™Track

1D. **Framing Members* - Floor and Ceiling Runner** — Not shown - In lieu of Item 1 — For use with Item 2D, channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

TELLING INDUSTRIES L L C — TRUE-TRACK™

2. **Steel Studs** — Channel shaped, 3-5/8 in. deep, min 0.020 in. thick (25 gauge) galv steel. Studs 3/8 in. less in lengths than assembly heights.

2A. **Framing Members* - Steel Studs** — Not shown - In lieu of Item 2 — For use with Item 1A, proprietary channel shaped steel studs, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel. Studs cut 3/8 in. less in length than assembly height.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™

CRACO MFG INC — SmarterStud20™, SmartStud20™

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™

STUDCO BUILDING SYSTEMS — CROCSTUD

PHILLIPS MFG CO L L C — Viper20™

2B. Framing Members*— Steel Studs — Not shown - In lieu of Item 2 — For use with Item 1B, channel shaped steel studs, min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, spaced max 24 in. OC. Studs cut 3/8 in. less in length than assembly height.

CLARKDIETRICH BUILDING SYSTEMS — CD ProSTUD

DMFCWBS L L C — ProSTUD

MBA BUILDING SUPPLIES — ProSTUD

RAM SALES L L C — Ram ProSTUD

SOUTHEASTERN STUD & COMPONENTS INC — ProSTUD

STEEL STRUCTURAL SYSTEMS L L C — Tri-S ProSTUD

2C. Framing Members* - Steel Studs — Not shown - In lieu of Item 2 — For use with Item 1C, proprietary channel shaped steel studs, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel. Studs cut 3/8 in. less in length than assembly height.

TELLING INDUSTRIES L L C — Viper20™

2D. Framing Members* - Steel Studs — Not shown - In lieu of Item 2 — For use with Item 1D, proprietary channel shaped steel studs, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel. Studs cut 3/8 in. less in length than assembly height.

TELLING INDUSTRIES L L C — TRUE-STUD™

3. Batts and Blankets* — Optional — Mineral wool or glass fiber insulation, partially or completely filling stud cavity.

CERTAINTED CORP

GUARDIAN FIBERGLASS INC

IIG MINWOOL L L C — Type SAFB

JOHNS MANVILLE INTERNATIONAL INC

KNAUF INSULATION GMBH

MANSON INSULATION INC

OWENS CORNING

3A. Fiber, Sprayed* — As an alternate to Batts and Blankets (Item 3) — (100% Borate Formulation) — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product with a nominal dry density of 2.7 lb/ft³. Alternate Application Method: The fiber is applied without water or adhesive at a nominal dry density of 3.5 lb/ft³, in accordance with the application instructions supplied with the product.

U S GREENFIBER L L C — INS735 & INS745 for use with wet or dry application. INS765LD and INS770LD are to be used for dry application only.

3B. Fiber, Sprayed* — As an alternate to Batts and Blankets (Item 3) and Item 3A - Spray applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft.

NU-WOOL CO INC — Cellulose Insulation

3C. **Fiber, Sprayed*** — As an alternate to Batts and Blankets (Item 3) - Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lbs/ft³.

INTERNATIONAL CELLULOSE CORP — Celbar-RL

4. **Gypsum Board*** — 5/8 in. thick, 48 in. wide sheets. Inner layer applied vertically, attached to studs and floor and ceiling runners with 0.127 in. diam by 1 in. long self-drilling, self-tapping Phillips head steel screws spaced 32 in. O.C., joints located over studs. Outer layer on one side applied vertically and attached to studs and runners with 1-5/8 in. long self-drilling, self-tapping steel screws spaced 12 in. O.C. along ends and edges of boards and 24 in. O.C. in the field. Outer layer joints offset from inner layer joints and located over studs.

AMERICAN GYPSUM CO — Type AG-C

CERTAINTED GYPSUM INC — Type FRPC, Type C or SF-3.

CERTAINTED GYPSUM CANADA INC — Type C.

GEORGIA-PACIFIC GYPSUM L L C — Type DAPC

TEMPLE-INLAND — Type TG-C

THAI GYPSUM PRODUCTS PCL — Type C

5. **Gypsum Board** — * — 1/2 in. thick, 48 in. wide sheets. Sheets applied vertically and attached to studs and runners with 1-5/8 in. long self-drilling, self-tapping steel screws spaced 12 in. O.C. along ends and edges of boards and 24 in. O.C. in the field. Joints offset from inner layer joints.

AMERICAN GYPSUM CO — Type AG-C

CERTAINTED GYPSUM INC — Type FRPC, Type C or SF-3.

CERTAINTED GYPSUM CANADA INC — Type C.

GEORGIA-PACIFIC GYPSUM L L C — Type DAPC

TEMPLE-INLAND — Type TG-C

THAI GYPSUM PRODUCTS PCL — Type C

6. **Gypsum Board** — * — 1/4 or 3/8 in. thick 48 in. wide sheets, placed vertically and laminated to 1/2 in. wallboard with 3/4 in. diam dabs of vinyl base paneling adhesive spaced vertically and horizontally 12 in. O.C. Joints offset from joints of center layer of 1/2-in. gypsum board and located over studs.

CERTAINTED GYPSUM INC — Type S.

7. **Joints - (Not Shown)** — Outer layer joints on both sides of wall (finish layer only) covered with paper tape

and joint compound. Screw heads covered with joint compound.

*Bearing the UL Classification Mark

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