

BXUV.U502 - Fire-resistance Ratings - ANSI/UL 263

**Drywall Solutions**

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 Certified for United States

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

See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States
Design Criteria and Allowable Variances

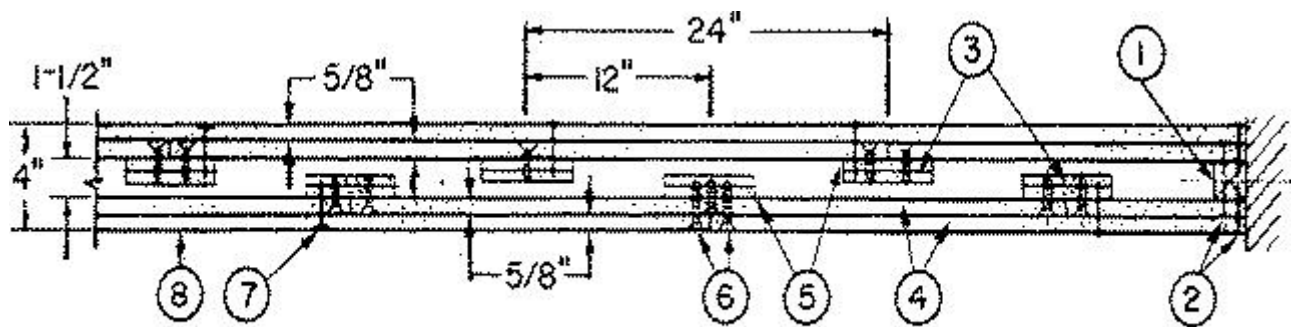
See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada
Design Criteria and Allowable Variances

Design No. U502

October 07, 2020

Nonbearing Wall Rating — 2 Hr

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

**Horizontal Section**

1. Wood+ or Steel Runner — 1 1/2X1 5/8-in. yellow pine, or 24 MSG galv steel channels used on sill, lintel, and sides, fastened to concrete or masonry with 1/4-in. bolts and expansion shields or 3 1/2-in. masonry nails, spaced 16 to 20 in. OC.

2. Nails or Screws — Used to secure inner layer of wallboard to wood or steel runners. Nails, 5d, 1 5/8 in. long, 1/4 -in. heads, spaced 8 in. OC are used with wood runners. Sheet metal screws, No. 10 or larger, spaced 12 in. OC are used with metal runners, 8d, 2 1/2 in. long, 1/4-in. diam head nails spaced 8 in. OC to secure outer layer of wallboard to wood runners, or No. 10 screws spaced 12 in. OC used with metal runners.

3. Gypsum Board* Ribs — 2 layers of min. 1/2 in. thick wallboard glued together with casein type glue to form 6 in. wide ribs, 4 in. less in length than partition height. Located at vertical joints and spaced 24 in. OC, staggered 12 in. from ribs of opposite side.

AMERICAN GYPSUM CO — Type AG-C.

CABOT MANUFACTURING ULC — Type X, 5/8 Type X, Type Blueglass Exterior Sheathing

CERTAINTED GYPSUM INC — Type EGRG, GlasRoc, GlasRoc-2, Type X, Type X-1, Easi-Lite Type X-2, Type C.

CERTAINTED GYPSUM INC — Types LGFC-C/A, LGFC-WD, LGLLX, CLLX.

GEORGIA-PACIFIC GYPSUM L L C — Types 5, 6, DAPC, GPFS1, LS, Type X, Veneer Plaster Base - Type X, Water Rated - Type X, Sheathing - Type X, Soffit - Type X, Type TG-C, GreenGlass Type X, Type X ComfortGuard Sound Deadening Gypsum Board, Type LWX, Veneer Plaster Base-Type LWX, Water Rated-Type LWX, Sheathing Type-LWX, Soffit-Type LWX, Type DGLW, Water Rated-Type DGLW, Sheathing Type- DGLW, Soffit-Type DGLW, Type LW2X, Veneer Plaster Base - Type LW2X, Water Rated - Type LW2X, Sheathing - Type LW2X, Soffit - Type LW2X, Type DGL2W, Water Rated - Type DGL2W, Sheathing - Type DGL2W.

NATIONAL GYPSUM CO — Types eXP-C, FSK, FSK-C, FSK-G, FSMR-C, FSW, FSW-3, FSW-8, FSW-C, FSW-G, FSMR-C.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types PG-3, PG-11, PGS-WRS, PGI

SAINT-GOBAIN GYPROC MIDDLE EAST FZE — Type Gyproc FireStop, Gyproc FireStop MR, Gyproc FireStop M2TECH, Gyproc FireStop ACTIV'Air, Gyproc FireStop MR ACTIV'Air, Gyproc FireStop M2TECH ACTIV'Air

THAI GYPSUM PRODUCTS PCL — Type X, Type C.

3A. Gypsum Board* Ribs — 2 layers of 5/8 in. thick panels glued together with casein type glue to form 6 in. wide ribs, 4 in. less in length than partition height. Located at vertical joints and spaced 24 in. OC, staggered 12 in. from ribs of opposite side.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock ES.

3B. Wall and Partition Facings and Accessories* Ribs — 2 layers of 5/8 in. thick panels glued together with casein type glue to form 6 in. wide ribs, 4 in. less in length than partition height. Located at vertical joints and spaced 24 in. OC, staggered 12 in. from ribs of opposite side.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock QR-527.

4. Gypsum Board* — 5/8 in. thick, inner layer, with vertical joints, attached to ribs with glue and screws and to runners with nails or sheet metal screws. Outer layer, with horizontal joints, attached to inner layer with glue, nails, and screws.

AMERICAN GYPSUM CO — Types AGX-1, M-Glass, AG-C, LightRoc.

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO — Type DBX-1.

CABOT MANUFACTURING ULC — Type X, 5/8 Type X, Type Blueglass Exterior Sheathing

CERTAINTED GYPSUM INC — Type Type X, Type X-1, Easi-Lite Type X-2, Type C, SilentFX or 5/8" Easi-Lite Type X.

CERTAINTED GYPSUM INC — Types LGFC2A, LGFC6A, LGFC-C/A.

GEORGIA-PACIFIC GYPSUM L L C — Types 5, 6, 9, C, DA, DAP, DAPC, DGG, DS, GPFS1, GPFS6, LS, TG-C, GreenGlass Type X, Type X ComfortGuard Sound Deadening Gypsum Board Type LWX, Veneer Plaster Base-Type LWX, Water Rated-Type LWX, Sheathing Type-LWX, Soffit-Type LWX, Type DGLW, Water Rated-Type DGLW, Sheathing Type- DGLW, Soffit-Type DGLW, Type LW2X, Veneer Plaster Base - Type LW2X, Water Rated - Type LW2X, Sheathing - Type LW2X, Soffit - Type LW2X, Type DGL2W, Water Rated - Type DGL2W, Sheathing - Type DGL2W.

NATIONAL GYPSUM CO — Types eXP-C, FSK-1, FSK-C, FSK-G, FSW-1, FSW-C, FSW-G, FSW-6, FSL, RSX.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types C, PG-3, PG-4, PG-6, PG-9, PG-11, PG-C, PGS-WRS, PGI

PANEL REY S A — Type PRX2

SAINT-GOBAIN GYPROC MIDDLE EAST FZE — Type Gyproc FireStop, Gyproc FireStop MR, Gyproc FireStop M2TECH, Gyproc FireStop ACTIV'Air, Gyproc FireStop MR ACTIV'Air, Gyproc FireStop M2TECH ACTIV'Air, Gyproc DuraLine, Gyproc DuraLine MR, Gyproc DuraLine M2TECH, Gyproc DuraLine ACTIV'Air, Gyproc DuraLine MR ACTIV'Air, Gyproc DuraLine M2TECH ACTIV'Air

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD — Type EX-1

THAI GYPSUM PRODUCTS PCL — Type X or Type C

4A. Gypsum Board* — (As an alternate to Item 4) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically only and secured as described in Item 4.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock ES.

4B. Wall and Partition Facings and Accessories* — (As an alternate to Item 4 and 4A) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically only and secured as described in Item 4.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock QR-527.

5. Adhesive — Casein type, mixed 4 lbs of dry powder to 1.4 gal of water.

6. Screws — No. 8 Phillips head screws. 1-1/2 in. long attaching inner layer to ribs spaced vertically 20 in. OC, 2 in. long attaching outer layer to ribs spaced vertically and horizontally 24 in. OC along edges of boards at the joints.

7. Nails — 8d, 2-1/2 in. long finishing nails spaced vertically 8 in. OC and at 45 degree angle attaching outer layer through inner layer to ribs.

8. Finishing System — Exposed or covered with fiber tape and joint finisher. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced.

+When wood runners are used the rating is combustible.

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

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