



UL Online Certifications Directory

Design No. U510

BXUV.U510

Fire-resistance Ratings - ANSI/UL 263

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

Design No. U510

April 29, 2013

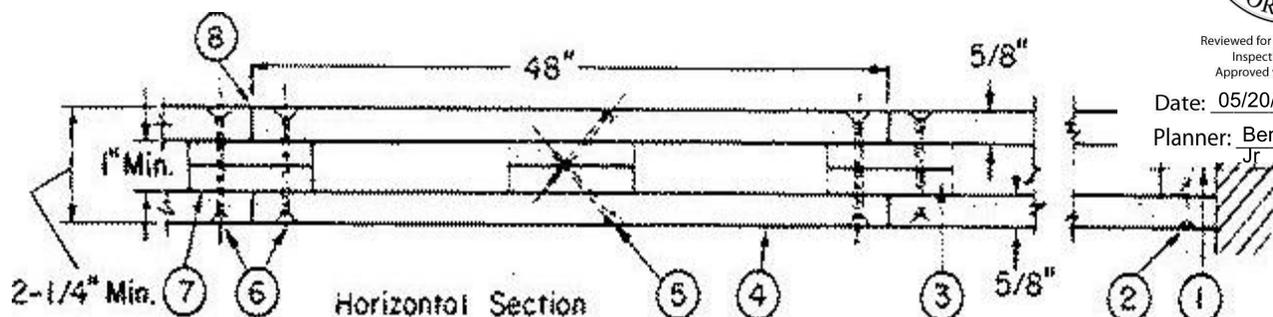
Nonbearing Wall Rating — 1 HR.



Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 05/20/13

Planner: Benjamin Wallace



1. **Wood+ or Steel Runner** — 1 x 1-5/8 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 2-1/2 in. long and expansion shields or 3-1/2 in. masonry nails, spaced 16 in. OC.

2. **Nails or Screws** — Used to secure 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.

3. **Gypsum Board Ribs*** — Gypsum Board* — Two or three layers of 1/2 or 5/8 in. thick wallboard glued together with a casein type glue to form ribs, 1 to 1-3/4 in. thick, 6 in. wide. Ribs 4 in. less in length than partition height when wood runners are used and full length when metal runners are used. Located at vertical joints and spaced horizontally 24 in. OC.

ACADIA DRYWALL SUPPLIES LTD — Type X

AMERICAN GYPSUM CO — 5/8 in. Types AGX-1, M-Glass, 1/2 in or 5/8 in. Type AG-C

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

CERTAINTED GYPSUM INC — Type FRPC, SF3, Type X, Type C, 5/8" Easi-Lite Type X.

CERTAINTED GYPSUM CANADA INC — Type X or Type Abuse-Resistant, 5/8" Easi-Lite Type X..

GEORGIA-PACIFIC GYPSUM L L C — Types 5, 6, C, DAP, DAPC, DGG, DS, GPFS1, GPFS6, LS.

LAFARGE NORTH AMERICA INC — Types LGFC3, LGFC6, LGFC6A , LGFC-C, LGFC-C/A, LGFC-WD, LGLLX.

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



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

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

TEMPLE-INLAND — Types TG-C, Type X, Veneer Plaster Base - Type X,
Water Rated - Type X, Sheathing - Type X, Soffit - Type X, GreenGlass Type X,
Type X ComfortGuard Sound Deadening Gypsum Board.

THAI GYPSUM PRODUCTS PCL — Type C, Type X.

3A. Wall and Partition Facings and Accessories* Ribs — Two or three layers
of 5/8 in. thick panels glued together with a casein type glue to form ribs, 1-1/4 to
1-7/8 in. thick, 6 in. wide. Ribs 4 in. less in length than partition height when
wood runners are used and full length when metal runners are used. Located at
vertical joints and spaced horizontally 24 in. OC.

SERIOUS ENERGY INC — Type QuietRock ES, Type QuietRock QR-527

4. Gypsum Board* — 5/8 in. thick, plain or vinyl covered, vertical joints,
attached to ribs with glue, nails, and screws and to runners with nails or sheet
metal screws. As an option, nom 3/32 in. thick gypsum veneer plaster may be
applied to the entire surface of Classified veneer baseboard. Joints reinforced.

ACADIA DRYWALL SUPPLIES LTD — Type X

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

CERTAINTEED GYPSUM INC — Types FRPC, SF3, EGRG, GlasRoc, Type
X, SilentFX, or Type C.

CERTAINTEED GYPSUM CANADA INC — Type C, Type X, or Type
Abuse-Resistant.

GEORGIA-PACIFIC GYPSUM L L C — Types 5, 6, 9, C, DA, DAP, DAPC,
DGG, DS, GPFS1, GPFS6, LS.

LAFARGE NORTH AMERICA INC — Types LGFC2, LGFC2A, LGFC3,
LGFC6, LGFC6A, LGFC-C, LGFC-C/A, LGLLX.

NATIONAL GYPSUM CO — Types FSK-C, FSK-G, FSW, FSW-C, FSW-G,
FSW-6, FSL



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

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

TEMPLE-INLAND — Type X, Veneer Plaster Base - Type X, Water Rated -
Type X, Sheathing - Type X, Soffit - Type X, GreenGlass Type X , Type X
ComfortGuard Sound Deadening Gypsum Board.

THAI GYPSUM PRODUCTS PCL — Type X, Type C.

4A. Wall and Partition Facings and Accessories* — (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.

SERIOUS ENERGY INC — Type QuietRock ES, Type QuietRock QR-527.

5. **Nails** — 6d, 2 in. long finishing nails, spaced vertically 8 in. O.C. on both
sides, nailed at 45-degree angle into ribs located midway between vertical joints.

6. **Screws** — No: 8 Phillips head, 1-1/2 in. long, spaced vertically 20 in. O.C. at
vertical joints along edge of each board on both sides of partition.

7. **Adhesive** — Casein type, mixed 4 lbs of dry powder to 1.4 gal of water applied
to ribs for attachment to wallboard.

8. **Finishing System** — 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.

*Bearing the UL Classification Mark

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