

BXUV.X525



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

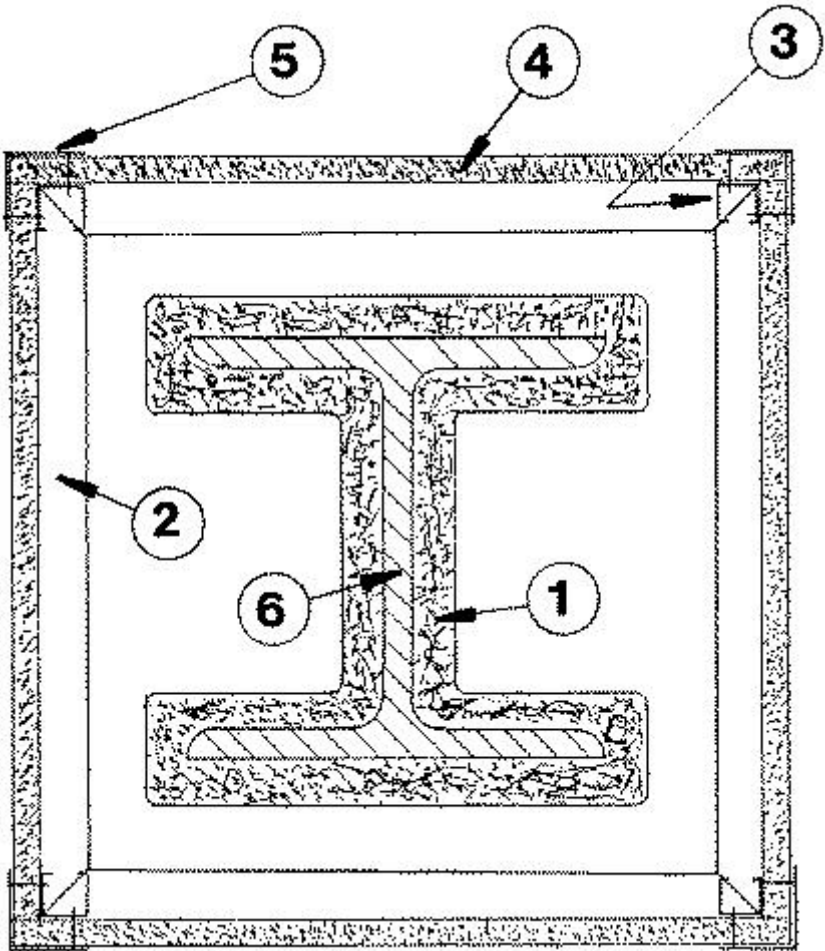
See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States
Design Criteria and Allowable Variances

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

Design No. X525

Ratings — 2, 3 and 4 Hr.

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



1. **Spray-Applied Fire Resistive Materials*** — Applied by spraying with water, in one untamped coat at the thickness shown in the table below, to steel surfaces which are free of dirt, oil or scale. Use of adhesive is optional. Min avg untamped density is 13 pcf with min ind untamped density of 11 pcf for Types II, II HS, or DC/F. Min avg and min ind densities of 22 and 19 pcf, respectively, for Type HP. Tamping is optional. For method of density determination, refer to Design Information Section.

Rating Hr	Min Thkns In.
4	2-13/16
3	2
2	1-1/4

ISOLATEK INTERNATIONAL — Type D-C/F, HP, II, or II HS, Type EBS or Type X adhesive/sealer optional.

2. **Floor and Ceiling Channels** — 1-5/8 in. wide with two 1-1/8 in. legs, 26 MSG steel, attached to floor and ceiling with fasteners spaced not to exceed 12 in. O.C. Inner leg of channels to be min. of 1 in. from outer edge of Spray Applied Fire Resistive Materials.

3. **Corner Channels** — 1-5/8 in. wide with leg dimensions of 1-5/8 in. with a 1/4 in. folded flange in legs, fabricated from 24 MSG galvanized or painted steel, 15/16 by 1-1/2 in. rectangular cutouts punched at various locations but not closer than 16 in. O.C. Channels cut 1/2 to 1 in. less in length than assembly height. Channels inserted into floor and ceiling channel openings with open side facing column.

4. **Gypsum Board*** — Any 5/8 in. thick UL Classified Gypsum Board that is eligible for use in Design Nos. L501, G512 or U305. Nom 5/8 in. thick gypsum board, attached to corner channels with 1 in. long, Type S bugle head, self-drilling, self-tapping steel screws spaced vertically 12 in. O.C. and 1/2 in. from the floor and ceiling channels. One fastener to be used at the top center of each face of the column to attach the wallboard to the ceiling channel.

AMERICAN GYPSUM CO ([View Classification](#)) — CKNX.R14196

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO ([View Classification](#)) — CKNX.R19374

CABOT MANUFACTURING ULC ([View Classification](#)) — CKNX.R25370

CERTAINTED GYPSUM INC ([View Classification](#)) — CKNX.R3660

CGC INC ([View Classification](#)) — CKNX.R19751

CERTAINTED GYPSUM INC ([View Classification](#)) — CKNX.R18482

GEORGIA-PACIFIC GYPSUM L L C ([View Classification](#)) — CKNX.R2717

LOADMASTER SYSTEMS INC ([View Classification](#)) — CKNX.R11809

NATIONAL GYPSUM CO ([View Classification](#)) — CKNX.R3501

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM ([View Classification](#)) — CKNX.R7094

PANEL REY S A ([View Classification](#)) — CKNX.R21796

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD ([View Classification](#)) — CKNX.R19262

THAI GYPSUM PRODUCTS PCL ([View Classification](#)) — CKNX.R27517

UNITED STATES GYPSUM CO ([View Classification](#)) — CKNX.R1319

USG BORAL DRYWALL SFZ LLC ([View Classification](#)) — CKNX.R38438

USG MEXICO S A DE C V ([View Classification](#)) — CKNX.R16089

4A Gypsum Board* — (As an alternate to Item 4) — Nominal 5/8 in. thick panels, 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 Items 4 and 4A) — Composite Gypsum Panel — Nominal 5/8 in. thick panels, secured as described in Item 4.

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

4C. Gypsum Board* — (As an alternate to Item 4, For use with Item 5A) — 5/8 in. thick, installed as described in Item 4.

CERTAINTED GYPSUM INC ([View Classification](#)) — CKNX.R3660

5. Corner Beads — No. 28 MSG perforated galvanized steel, 1-1/4 in. legs attached to wallboard by crimping spaced 6 in. O.C. Corner beads covered with joint compound.

5A. Corner Bead* — (As an alternate to Item 5, For use with Item 4C) — 0.058 in. thick at shoulder thickness, 1-7/8 in. legs, attached to gypsum board using all-purpose ready mix joint compound.

CERTAINTED CORP — Type NC

6. **Steel Column** — Minimum size of column, a W8X28 with outside dimensions of 8 by 6-1/2 in. with a flange thickness of 7/16 in., a web thickness of 5/16 in. and a cross-sectional area of 8.23 sq in.

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