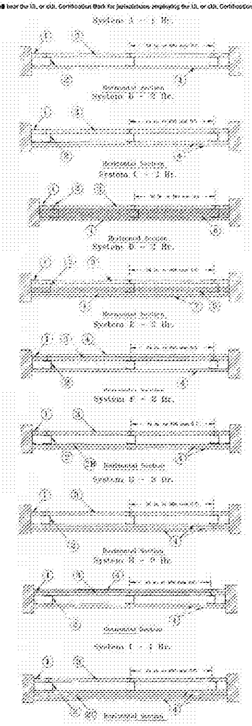
Design No. U415

September 27, 2018

Nonbearing Wall Ratings — 1, 2, 3 or 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. Floor, Side and Ceiling Runners — [illegible]

2. Steel Studs* — [illegible]

2A. Steel Studs — (Not Shown) — [illegible]

2B. Furring Channels — (Optional, Not Shown) — [illegible]

2C. Furring Channels — For use with System I — [illegible]

2D. Steel Framing Members* — (Optional, Not Shown) — [illegible]

a. Furring Channels — [illegible]

b. Steel Framing Members* — [illegible]
PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-1 (2.75).

2E. Steel Framing Members* — (Optional, Not Shown) — [illegible]

a. Furring Channels — [illegible]

b. Steel Framing Members* — [illegible]
STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237R

2F. Steel Framing Members* — (Optional, Not Shown) — [illegible]

a. Furring Channels — [illegible]

b. Steel Framing Members* — [illegible]
PLITEQ INC — Type GENIECLIP

2G. Steel Framing Members* — (Optional, Not Shown) — [illegible]

a. Furring Channels — [illegible]

b. Steel Framing Members* — [illegible]
REGUPOL AMERICA — Type SonusClip

2H. Steel Framing Members* — (Optional, Not Shown) — [illegible]

a. Resilient Channels — [illegible]

b. Steel Framing Members* — [illegible]
KEENE BUILDING PRODUCTS CO INC — Type RC Assurance Clip

3. Gypsum Board* — [illegible]
CGC INC — Type SLX

UNITED STATES GYPSUM CO — Type SLX

USG BORAL DRYWALL SFZ LLC — Type SLX

USG MEXICO S A DE C V — Type SLX

4. Gypsum Board* —

System A — 1 Hr.

[illegible]

CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC, WRX

UNITED STATES GYPSUM CO — Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, [illegible]

USG BORAL DRYWALL SFZ LLC — Types C, SCX, SGX, USGX

USG MEXICO S A DE C V — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, [illegible], USGX, WRC, WRX

System B — 2 Hr.

[illegible]

CGC INC — [illegible]

UNITED STATES GYPSUM CO — [illegible]

USG BORAL DRYWALL SFZ LLC — [illegible]

USG MEXICO S A DE C V — [illegible]

System C — 2 Hr.

[illegible]

CGC INC — Types IP-X3 or ULTRACODE

UNITED STATES GYPSUM CO — Types IP-X3 or ULTRACODE

USG BORAL DRYWALL SFZ LLC — Type ULTRACODE

USG MEXICO S A DE C V — Types IP-X3 or ULTRACODE

System D — 2 Hr.

[illegible]

CGC INC — [illegible]

UNITED STATES GYPSUM CO — [illegible]

USG BORAL DRYWALL SFZ LLC — Types C, SCX, SGX, USGX

USG MEXICO S A DE C V — [illegible]

System E — 2 Hr.

[illegible]

CGC INC — [illegible]

UNITED STATES GYPSUM CO — [illegible]

USG BORAL DRYWALL SFZ LLC — [illegible]

USG MEXICO S A DE C V — [illegible]

System F — 2 Hr.

[illegible]

CGC INC — [illegible]

UNITED STATES GYPSUM CO — [illegible]

USG BORAL DRYWALL SFZ LLC — [illegible]

USG MEXICO S A DE C V — [illegible]

System G — 3 Hr.

[illegible]

CGC INC — Types C, IP-X2, IPC-AR, WRC

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

USG BORAL DRYWALL SFZ LLC — Type C

USG MEXICO S A DE C V — Types C, IP-X2, IPC-AR, WRC

System H — 3 Hr.

[illegible]

CGC INC — Types C, IP-X2, IPC-AR, WRC

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

USG BORAL DRYWALL SFZ LLC — Type C

USG MEXICO S A DE C V — Types C, IP-X2, IPC-AR, WRC

System I — 4 Hr.

[illegible]

CGC INC — Types IP-X3 or ULTRACODE

UNITED STATES GYPSUM CO — Types IP-X3 or ULTRACODE

USG BORAL DRYWALL SFZ LLC — Type ULTRACODE

USG MEXICO S A DE C V — Types IP-X3 or ULTRACODE

4A. Gypsum Board* — [illegible]
RAY-BAR ENGINEERING CORP — Type RB-LBG

4B. Gypsum Board* — [illegible]
NEW ENGLAND LEAD BURNING CO INC, DBA NELCO — Type Nelco

4C. Gypsum Board* — [illegible]
MAYCO INDUSTRIES INC — Type X-Ray Shielded Gypsum

4D. Gypsum Board* — [illegible]
RADIATION PROTECTION PRODUCTS INC — Type RPP-Lead Lined Drywall

5. Joint Tape and Compound — (Not Shown)

[illegible]

6. Batts and Blankets* —

[illegible]

7. Cementitious Backer Units* — [illegible]
UNITED STATES GYPSUM CO — Type DCB

8. Laminating Adhesive* — [illegible]

9. Lead Batten Strips — [illegible]

9A. Lead Batten Strips — [illegible]

10. Lead Discs or Tabs — [illegible]

10A. Lead Discs — [illegible]

11. Lead Batten Strips — [illegible]

12. Lead Tabs — [illegible]

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

Design/System/Construction/Assembly Usage Disclaimer

[illegible]

Design No. U914

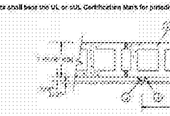
September 27, 2018

Bearing Wall Rating — 2 HR.

Nonbearing Wall Rating — 3 HR.

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7.

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



1. Concrete Blocks* — Various designs. Classification D-2 (2 hr). See Concrete Blocks category for list of eligible manufacturers.

2. Mortar — [illegible]

3. Furring Channels — [illegible]

4. Channel Fasteners — [illegible]

4A. Steel Framing Members* — [illegible]
PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-1 (2.75).

4B. Concrete Expansion Anchor — (Not Shown) — [illegible]

4C. Steel Framing Members* — (Not Shown) — [illegible]
STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237R

4D. Steel Framing Members* — (Not Shown) — [illegible]
REGUPOL AMERICA — Type SonusClip

4E. Steel Framing Members* — (Optional, Not Shown) — Resilient channels and Steel Framing Members as described below:

a. Resilient Channels — [illegible]

b. Steel Framing Members* — [illegible]

KEENE BUILDING PRODUCTS CO INC — Type RC1 Assurance Clip

5. Gypsum Board* — [illegible]
ACADIA DRYWALL SUPPLIES LTD — Type C.

AMERICAN GYPSUM CO — Types AG-C.

CERTAINTEED GYPSUM INC — Type C.

CGC INC — Types C, IP-X2, IPC-AR.

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Type LGFC-C/A.

GEORGIA-PACIFIC GYPSUM L L C — Types C, DAPC, TG-C.

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

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type PG-C.

PANEL REY S A — Type PRC

THAI GYPSUM PRODUCTS PCL — Type C.

UNITED STATES GYPSUM CO — Types C, IP-X2, IPC-AR.

USG BORAL DRYWALL SFZ LLC — Type C.

USG MEXICO S A DE C V — Types C, IP-X2, IPC-AR.

5A. Gypsum Board* — (As an alternate to Item 5) — [illegible]
NATIONAL GYPSUM CO — Type FSMR-C.

UNITED STATES GYPSUM CO — Type ULIX.

6. Wallboard Fasteners — [illegible]

7. Joint System — (Not shown) — [illegible]

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

Last Updated on 2018-09-27

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- 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 resistive 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.
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Design No. U937

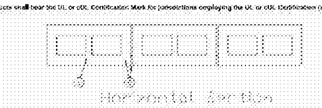
August 24, 2012

Bearing Wall Rating — 2 to 4 Hr. (See Item #1)

Nonbearing Wall Rating — 2 or 4 Hr. (See Item #1)

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7.

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



1. Concrete Blocks* — Nominal 8 by 8 by 16 in. or 12 by 8 by 16 in. concrete blocks. Classification 2 hr. and 4 hr.
CAROLINA PRESTRESS CORPORATION OF LAKE CITY INC — 8x8x16 Bottom Ash Fire Block, 12x8x16 Bottom Ash Fire Block.

2. Mortar — Blocks laid in full bed of Type S mortar, nom. 3/8 in. thick. Vertical joints staggered.

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

Last Updated on 2012-08-24

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- 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.
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