

4/5/2014 BXUV.U437 - Fire Resistance Ratings - ANSI/UL 263

ONLINE CERTIFICATIONS DIRECTORY

Design No. U437
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BXUV.U437
Fire Resistance Ratings - ANSI/UL 263

Page Button

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 that 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 specific concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

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Fire-resistance Ratings - ANSI/UL 263

See General Information for Fire-resistance Ratings - ANSI/UL 263

Design No. U437
February 21, 2014
Nonbearing Wall Ratings -- 1 or 2 Hr (See Item 5)

File:UL437%20%20%20AF%20BXUV.U437%20%20Fire%20Resistance%20Ratings%20-%20ANSI%20UL%20263%203.htm 1/3

4/5/2014 BXUV.U437 - Fire Resistance Ratings - ANSI/UL 263

HORIZONTAL SECTION

VERTICAL SECTION

- Floor and Ceiling Runners** - "J" shaped runner, min 4 in. deep with uncoated face (min. 1 in. and 2 in. fabricated from 20 M50 galv steel. Runners positioned with flanges facing inward. Runners attached to structural supports with steel fasteners spaced not greater than 2 in. from ends and spaced no more than 24 in. OC.
- Vertical Runners** - "J" shaped runner, min 4 in. deep with uncoated legs of 1 in. and 2 in., fabricated from 20 M50 galv steel. Vertical runners applied at each end of wall with flanges toward finished side of wall. Runners attached to structural supports with steel fasteners spaced not greater than 2 in. from ends and spaced no more than 24 in. OC.
- Steel Studs** - "C" shaped studs, min 4 in. deep with 1-1/2 in. wide flanges, fabricated from 20 M50 galv steel. Installed vertically, with the "C" section of studs facing down. Gutter filled in the vertical "J"-shaped runners to a depth of 2 in. by 20 ga. steel angles which are fastened to the side "J"-shaped runners. Studs set to allow 3/8 to 1/2 in. gap at each end of the wall, and spaced vertically 24 in. at 600 max. OC. As an alternate, the studs may be screw attached to the side "J"-shaped runners. A total of four 1/2 in. diameter head screws are to be located, one at each end of the stud on each side of the wall.

File:UL437%20%20%20AF%20BXUV.U437%20%20Fire%20Resistance%20Ratings%20-%20ANSI%20UL%20263%203.htm 2/3

4/5/2014 BXUV.U437 - Fire Resistance Ratings - ANSI/UL 263

5. **Gypsum Board*** - 1 in. thick gypsum without liner paper, supplied in form 24 in. x 500 mm (for metric spacing) sheets. Panels cut to lengths 1 in. less than the width of the wall. One between the vertical "J"-shaped runners, the panels are centered to split equally at each end and the 1 in. gap, installed horizontally, with the long edges inserted in the "C" section of the studs facing down. The top edge of the liner panel shall be cut 1 in. less than opening height to allow installation past the 1 in. leg of runner. Free edge of panels attached to the long leg of the top and bottom "J"-runners with 1-5/8 in. long Type 5 or 5-12 steel screws spaced no more than 12 in. OC. The width of the wall is limited to the length of the liner panels (no butt joints in the liner panels).

CGC INC - Type SLX

UNITED STATES GYPSUM CO - Type 5LX

USG MEXICO S A DE CV - Type 5LY

5. **Gypsum Board*** - 5/8 in. thick, 24 to 54 in. wide gypsum panels applied vertically (1-1/2 system) or one (2-hr system) layers. Vertical joints between panels need not be backed. Minimum vertical gap between layers staggered a minimum of 12 in. Horizontal joints between panels shall be staggered a minimum of 24 in. In adjacent courses and 24 in. between layers. 1-1/2 in. diameter studs attached to studs and vertical and horizontal "J"-shaped runners with 1 in. long Type 5 or 5-12 steel screws spaced 8 in. OC. Joints covered with paper tape and joint compound. Exposed screw heads covered with joint compound. Joint tape and compound may be omitted when square edge studs and 2-1/2 in. diameter studs or studs layer attached to studs and vertical and horizontal "J"-shaped runners with 1 in. long Type 5 or 5-12 steel screws spaced 12 in. OC. Outer or face layer attached to studs and vertical and horizontal "J"-shaped runners with 1-5/8 in. long Type 5 or 5-12 steel screws spaced 12 in. OC. Joints covered with paper tape and joint compound. Exposed screw heads covered with joint compound and joint compound may be omitted when square edge panels are used.

CGC INC - Type AR, IP-AR, IP-X1, SCX, ULX, or WRX

UNITED STATES GYPSUM CO - Type AR, IP-AR, IP-X1, SCX, ULX or WRX

USG MEXICO S A DE CV - Type AR, IP-AR, IP-X1, SCX, ULX, or WRX

6. **Batts and Blankets*** - (optional - Not shown) - Mineral wool or glass fiber batts partially or completely filling the cavity between gypsum panels or mineral wool or glass fiber batt material bearing the UL Classification Marking as to Suitability for use in fire-rated assemblies and/or fire resistance.

*Bearing the UL Classification Mark

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File:UL437%20%20%20AF%20BXUV.U437%20%20Fire%20Resistance%20Ratings%20-%20ANSI%20UL%20263%203.htm 3/3

Order Plans @

1 DESIGN NO. U437
NO SCALE

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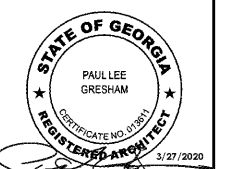
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REVISIONS

NO.	DESCRIPTION

RENEWED MEDICAL BUILDING
CORE & SHELL ONLY

SOUTH FULTON, GEORGIA
PROJECT #19-2983



SEAL
MARCH 27, 2020
PERMIT SET
RELEASE DATE

FIRE PROTECTION
ELEVATOR &
MECHANICAL
SHAFT WALLS
DRAWING TITLE

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Drawn By: JG
Checked By: RLS, JAB
PROJECT # 19-2983
SHEET 36 OF 37

F-104