

Design No. U327

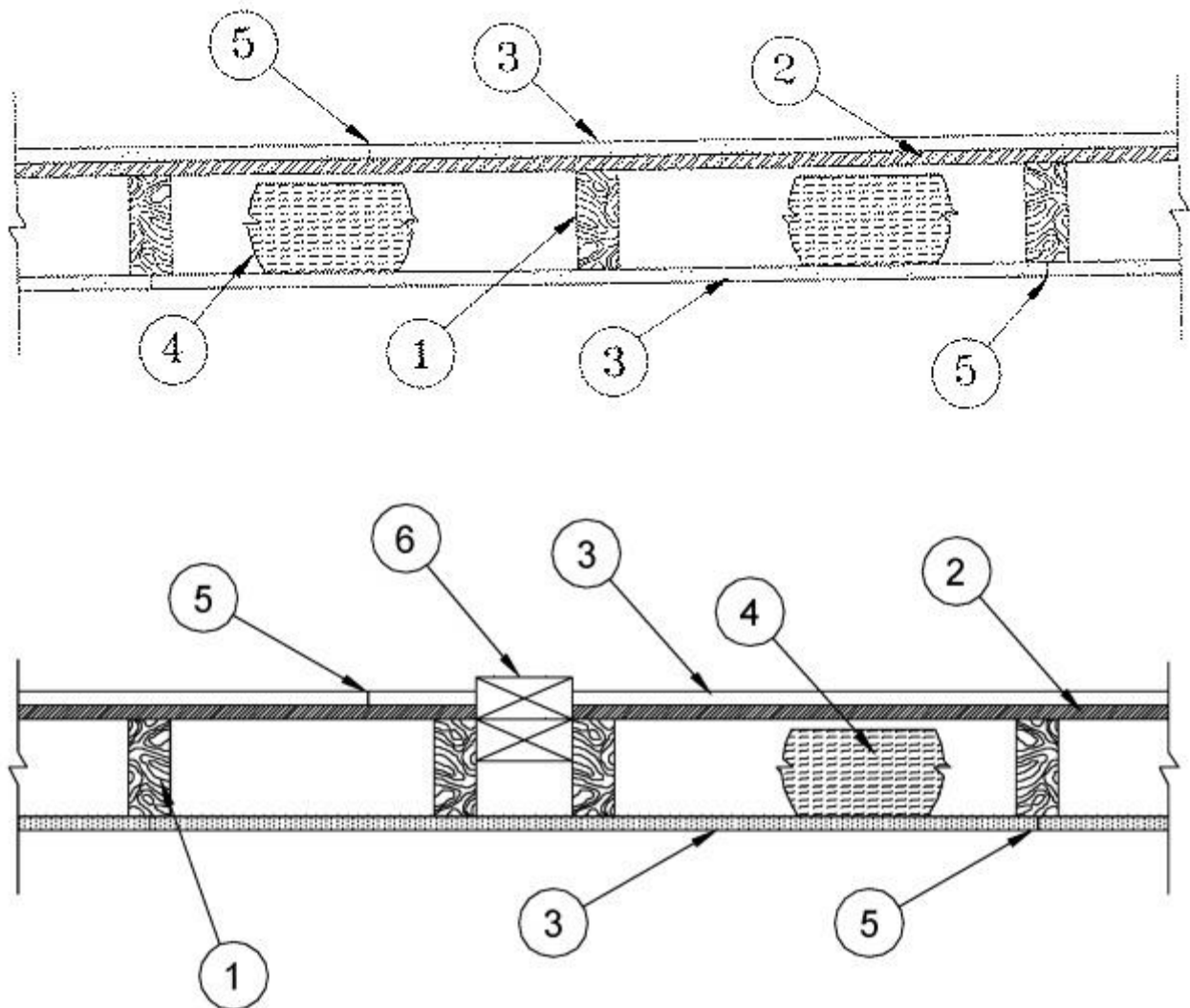
August 19, 2020

Bearing Wall Rating — 1 Hr

Finished Rating — 23 Min

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. **Wood Studs** — Nom 2 by 4 in. spaced 16 or 24 in. OC. Effectively cross braced.
2. **Furring Channel** — Resilient, 25 MSG galv steel. Furring channels spaced vertically 24 in. OC, flange portion screw attached to one side of studs with 1-1/4 in. long diamond shaped point, double lead Phillips head steel screws.
3. **Gypsum Board*** — 5/8 in. thick, 4 ft wide applied vertically. Screw attached one side to furring channels with 1 in. long, self-drilling, self-tapping Type S or S-12 steel screws spaced 8 in. OC, vertical joints located midway between

studs. Wallboard attached on other side directly to studs with 1-1/4 in. long diamond shaped point, double lead Phillips head steel screws spaced 12 in. OC, vertical joints located over studs.

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

CGC INC — Types C, SCX, SHX, FRX-G, IP-X1, IP-X2, IPC-AR, ULIX, ULX

PANEL REY S A — Type PRX

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

USG BORAL DRYWALL SFZ LLC — Types C, SCX

USG MEXICO S A DE C V — Types C, SCX, SHX, FRX-G, IP-X1, IP-X2, IPC-AR, ULX

4. **Batts and Blankets*** — 3-1/2 in. thick mineral wool batts, placed to fill interior of wall, attached to the 4 in. face of the studs with staples placed 24 in. OC.

ROCKWOOL — Type SAFEnSOUND

THERMAFIBER INC — Type SAFB, SAFB FF

4A. **Glass Fiber Insulation** — (As an alternate to Item 4) — 3 in. thick glass fiber batts bearing the UL Classification Marking as to Surface Burning and/or Fire Resistance, friction-fitted to fill the interior of the wall.

See **Batts and Blankets** (BKNV or BZJZ) Categories for names of Classified companies.

5. **Joints and Screw Heads** — Gypsum board joints covered with paper tape and joint compound. Screw heads covered with joint compound. As an alternate, nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard with the joints reinforced with paper tape.

6. **Non-Bearing Wall Partition Intersection** — (Optional) — Two nominal 2 by 4 in. stud or nominal 2 by 6 in. stud nailed together with two 3in. long 10d nails spaced a max. 16 in. OC. vertically and fastened to one side of the minimum 2 by 4 in. stud with 3 in. long 10d nails spaced a max 16 in. OC. vertically. Intersection between partition

wood studs to be flush with the 2 by 4 in. studs. The wall partition wood studs are to be framed by with a second 2 by 4 in. wood stud fastened with 3 in. long 10d nails spaced a max. 16 in. OC. vertically. Maximum one non-bearing wall partition intersection per stud cavity. Non-bearing wall partition stud depth shall be at a minimum equal to the depth of the bearing wall.

7. **Steel Framing Members*** — (Optional, Not Shown) — Used as an alternate method to attach resilient channels to wall studs. A resilient sound isolation accessory shall be used at each attachment point of the resilient channels and spaced max 16 or 24 in. O.C (depending on stud spacing). Channel ends butted and centered under the structural members and attached with one accessory at each end. Additional accessories used to hold resilient channels that support the gypsum board end joints. The accessory envelops the mounting edge of the resilient channel. The accessory and resilient channel are fastened to the structural members with the screws supplied with the accessory and per the accessory manufacturer's installation instructions.

PAC INTERNATIONAL L L C — Type RC-1 Boost

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[Last Updated](#) on 2020-08-19