WALLS AND INTERIOR PARTITIONS, NONCOMBUSTIBLE

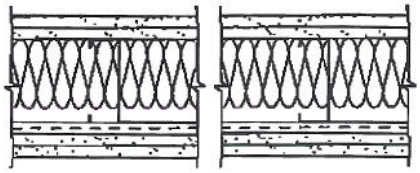
GA FILE NO. WP 1470 | **PROPRIETARY*** | **2 HOUR FIRE** | **55 to 59 STC SOUND**

GYPSUM WALLBOARD, RESILIENT CHANNELS, STEEL STUDS, MINERAL FIBER INSULATION

Resilient channels 24" o.c. attached at right angles to ONE SIDE of 3½" 20 gage steel studs 24" o.c. with one ½" Type S-12 drywall screw at each stud. Base layer ½" proprietary type X gypsum wallboard or gypsum veneer base applied at right angles to channels with 1" Type S drywall screws 24" o.c. Face layer ½" proprietary type X gypsum wallboard or gypsum veneer base applied at right angles to channels with 1⅝" Type S drywall screws 12" o.c. 3" mineral fiber insulation, 2 pcf, friction fit in stud space.

OPPOSITE SIDE: Base layer ½" proprietary type X gypsum wallboard applied parallel to with 1" Type S-12 drywall screws 24" o.c. Face layer ½" proprietary type X gypsum wallboard or gypsum veneer base applied parallel to studs with 1⅝" Type S-12 drywall screws 12" o.c.

Joints staggered 24" each layer and side. (NLB)



Thickness: 6½"
Approx. Weight: 12 psf
Fire Test: UL R1319-141 through 145, 2-11-87, UL Design U454
Sound Test: RAL TL83-214, 9-1-83

PROPRIETARY GYPSUM BOARD

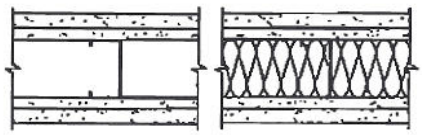
American Gypsum Company	-	½" FireBloc® Type C
BPB America Inc.	-	½" ProRoc® Type C Gypsum Panels
BPB Canada Inc.	-	½" ProRoc® Type C Gypsum Panels
G-P Gypsum	-	½" ToughRock® Fireguard® C
Lafarge North America Inc.	-	½" Firecheck® Type C
National Gypsum Company	-	½" Gold Bond® Brand FIRE-SHIELD C™ Gypsum Wallboard
Temple-Inland Forest Products Corporation	-	½" TG-C
United States Gypsum Company	-	½" SHEETROCK® Brand FIRECODE® C Core Gypsum Panels

GA FILE NO. WP 1505 | **PROPRIETARY*** | **2 HOUR FIRE** | **55 to 59 STC SOUND**

GYPSUM WALLBOARD, STEEL STUDS

Base layer ½" proprietary type X gypsum wallboard applied at right angles to each side of 2½" steel studs 24" o.c. with 1" Type S drywall screws 12" o.c. Face layer ⅝" proprietary type X gypsum wallboard applied parallel to each side with vertical joints midway between studs. Face layer attached to base layer only with 1½" Type G drywall screws 12" o.c. at vertical joints and centerline of face layer gypsum board. ⅜" to ½" diameter adhesive beads around the perimeter of face board, 2" from each edge and end, and in the form of an X joining the corners of the perimeter beads, are optional.

Joints staggered 24" each layer and side. Sound tested with adhesive attachment and 2½" glass fiber insulation friction fit in stud space. (NLB)



Thickness: 4¾"
Approx. Weight: 10 psf
Fire Test: ULC 75T208, 11-20-75, ULC Design W404
Sound Test: DRC 70-18-2, 2-16-70

PROPRIETARY GYPSUM BOARD

BPB Canada Inc.	-	½" ProRoc® Type C Gypsum Panels
	-	⅝" ProRoc® Type X Gypsum Panels
G-P Gypsum	-	½" ToughRock® Fireguard® C
	-	⅝" ToughRock® Fireguard®

GA FILE NO. WP 1510 | **GENERIC** | **2 HOUR FIRE** | **55 to 59 STC SOUND**

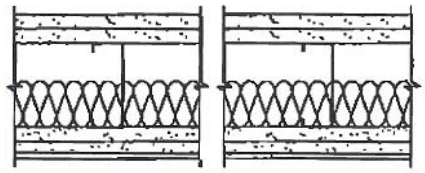
GYPSUM WALLBOARD, STEEL STUDS, GLASS FIBER INSULATION

Base layer ⅝" type X gypsum wallboard or gypsum veneer base applied parallel to each side of 3⅝" steel studs 24" o.c. with 1" Type S drywall screws 32" o.c. 2" glass fiber insulation, 0.9 pcf, stapled to one side in stud space.

Face layer ⅝" type X gypsum wallboard or gypsum veneer base applied parallel to ONE SIDE with 1⅝" Type S drywall screws 12" o.c. at edges and 24" o.c. at intermediate studs.

OPPOSITE SIDE: Second layer ½" type X gypsum wallboard or gypsum veneer base applied parallel to studs with 1⅝" Type S drywall screws 12" o.c. Face layer ¼" or ⅜" regular gypsum wallboard laminated parallel to studs with ¾" daubs of adhesive spaced 12" o.c. each direction.

Joints staggered 24" each layer and side. (NLB)



Thickness: 6¼" - 6⅜" Varies
Approx. Weight: 11 psf
Fire Test: UL R3660-1, 8-21-68, UL Design U403
Sound Test: RAL TL69-118, 12-16-68

Contact the manufacturer for more detailed information on proprietary products.

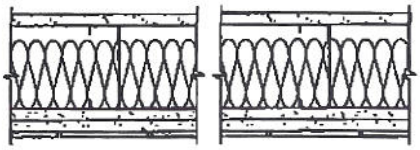
WALLS AND INTERIOR PARTITIONS, NONCOMBUSTIBLE

GA FILE NO. WP 1515 | **PROPRIETARY*** | **2 HOUR FIRE** | **55 to 59 FSTC SOUND**

GYPSUM WALLBOARD, STEEL STUDS, MINERAL FIBER INSULATION, CEMENTITIOUS BACKER UNIT, CERAMIC TILE

Base layer 1/2" proprietary type X gypsum wallboard or gypsum veneer base applied parallel to each side of 3 5/8" 20 gage steel studs 24" o.c. with 1" Type S drywall screws 24" o.c. 3" proprietary mineral fiber insulation, 2.0 pcf, friction fit in stud space. Face layer 1/2" proprietary type X gypsum wallboard or gypsum veneer base applied parallel to ONE SIDE with 1 5/8" Type S drywall screws 12" o.c. Joints offset 24" o.c. from base layer joints.

OPPOSITE SIDE: Face layer 1/2" proprietary cementitious backer unit applied at right angles with 1 5/8" Type S-12 wafer head screws 8" o.c. Vertical joints offset 24" from base layer vertical joints. Joints covered with glass fiber mesh tape. Ceramic tile, 1/4" thick, joints grouted, installed with latex-modified portland cement mortar or ANSI A136.1 Type I organic adhesive. (NLB)



Thickness: 5 7/8"
Approx. Weight: 14 psf
Fire Test: UL R11270-1, -2, 1-21-85, UL Design U443
Field Sound Test: SA-851016, 10-14-85

PROPRIETARY GYPSUM BOARD

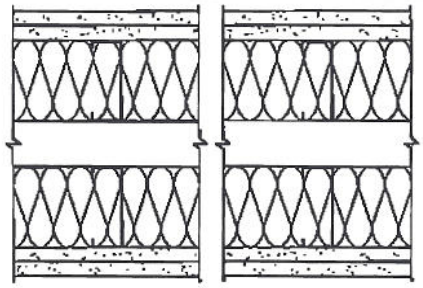
American Gypsum Company	-	1/2" FireBloc® Type C
Lafarge North America Inc.	-	1/2" Firecheck® Type C
National Gypsum Company	-	1/2" Gold Bond® Brand FIRE-SHIELD C™ Gypsum Wallboard
Temple-Inland Forest Products Corporation	-	1/2" TG-C
United States Gypsum Company	-	1/2" SHEETROCK® Brand FIRECODE® C Core Gypsum Panels

GA FILE NO. WP 1516 | **GENERIC** | **2 HOUR FIRE** | **55 to 59 STC SOUND**

GYPSUM WALLBOARD, STEEL STUDS, GLASS FIBER INSULATION

Base layer 5/8" type X gypsum wallboard or gypsum veneer base applied parallel to a double row of 3 1/2" 20 gage steel studs 24" o.c. and not less than 2" apart with 1 1/4" Type S-12 drywall screws 12" o.c. at edges and intermediate studs. Each row of studs horizontally braced with 1 1/2" wide by 20 gage steel strap attached to the interior side of the studs at midheight with one 1/2" Type S-12 panhead screw at each stud. 3 1/2" glass fiber insulation, 0.5 pcf, on each side in stud space. Face layer 5/8" type X gypsum wallboard or gypsum veneer base applied parallel to each side with 1 5/8" Type S-12 drywall screws 12" o.c. at joints, floor and ceiling runners, and intermediate studs.

Joints staggered 24" each layer and side. (LOAD-BEARING)



Thickness: 11 1/2"
Approx. Weight: 10 psf
Fire Test: UL R21113, 02NK44925, 5-13-03, UL Design V446, ULC Design W449
Sound Test: NGC 2003007, 4-23-03

Contact the manufacturer for more detailed information on proprietary products.

WALLS AND INTERIOR PARTITIONS, NONCOMBUSTIBLE

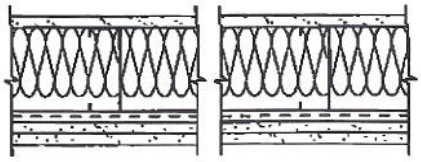
GA FILE NO. WP 1520 | **PROPRIETARY*** | **2 HOUR FIRE** | **55 to 59 STC SOUND**

GYPSUM WALLBOARD, RESILIENT CHANNELS, STEEL STUDS, MINERAL FIBER INSULATION

Resilient channels 24" o.c. attached at right angles to ONE SIDE of 3½" 20 gage steel studs 24" o.c. with one ½" Type S-12 drywall screw at each stud. Base layer ½" proprietary type X gypsum wallboard or gypsum veneer base applied at right angles to channels with 1" Type S drywall screws 24" o.c. Face layer ½" proprietary type X gypsum wallboard or gypsum veneer base applied at right angles to channels with 1⅝" Type S drywall screws 12" o.c. 3" mineral fiber insulation, 2 pcf, friction fit in stud space.

OPPOSITE SIDE: One layer ½" proprietary type X gypsum wallboard applied parallel to studs with 1" Type S-12 drywall screws 12" o.c.

Joints staggered 24" each layer and side. (NLB)



Thickness: 5½"
Approx. Weight: 9 psf
Fire Test: UL R1319-141 through 145, 2-11-87, UL Design U453
Sound Test: RAL TL83-215, 9-2-83

PROPRIETARY GYPSUM BOARD

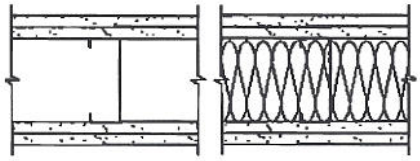
American Gypsum Company	½" FireBloc® Type C
BPB America Inc.	½" ProRoc® Type C Gypsum Panels
BPB Canada Inc.	½" ProRoc® Type C Gypsum Panels
G-P Gypsum	½" ToughRock® Fireguard® C
Lafarge North America Inc.	½" Firecheck® Type C
National Gypsum Company	½" Gold Bond® Brand FIRE-SHIELD C™ Gypsum Wallboard
Temple-Inland Forest Products Corporation	½" TG-C
United States Gypsum Company	½" SHEETROCK® Brand FIRECODE® C Core Gypsum Panels

GA FILE NO. WP 1521 | **GENERIC** | **2 HOUR FIRE** | **55 to 59 STC SOUND**

GYPSUM WALLBOARD, STEEL STUDS

Base layer ½" type X gypsum wallboard or gypsum veneer base applied parallel to each side of 3⅝" steel studs 24" o.c. with 1" Type S drywall screws 24" o.c. Face layer ½" type X gypsum wallboard or gypsum veneer base applied parallel to each side with 1⅝" Type S drywall screws 12" o.c.

Joints staggered 24" each layer and side. Sound tested with 3½" glass fiber friction fit in stud space. (NLB)



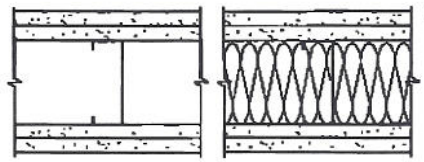
Thickness: 5⅝"
Approx. Weight: 9 psf
Fire Test: See WP 1545 (UC, 9-7-64; ULC 80T499, 3-26-81, ULC Design W414)
Sound Test: NRCC 815-NV, 2-3-81

GA FILE NO. WP 1522 | **GENERIC** | **2 HOUR FIRE** | **55 to 59 STC SOUND**

GYPSUM WALLBOARD, STEEL STUDS

Base layer ⅝" type X gypsum wallboard or gypsum veneer base applied parallel or at right angles to each side of 3⅝" steel studs 24" o.c. with 1" Type S drywall screws 24" o.c. Face layer ⅝" type X gypsum wallboard or gypsum veneer base applied parallel or at right angles to each side with 1⅝" Type S drywall screws 12" o.c.

Joints staggered 24" each layer and side. Sound tested with 3½" glass fiber friction fit in stud space. (NLB)



Thickness: 6⅛"
Approx. Weight: 12 psf
Fire Test: See WP 1548 (WHI-495-0236, 1-30-80)
Sound Test: NRCC 818-NV, 2-3-81

**Contact the manufacturer for more detailed information on proprietary products.*

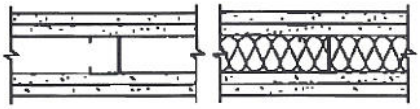
WALLS AND INTERIOR PARTITIONS, NONCOMBUSTIBLE

GA FILE NO. WP 1530 | **GENERIC** | **2 HOUR FIRE** | **50 to 54 FSTC SOUND**

GYPSUM WALLBOARD, STEEL STUDS

Base layer 1/2" type X gypsum wallboard or gypsum veneer base applied parallel to each side of 1 5/8" steel studs 24" o.c. with 1" Type S drywall screws 12" o.c. Face layer 1/2" type X gypsum wallboard or gypsum veneer base applied parallel to each side with 1 5/8" Type S drywall screws 12" o.c.

Joints staggered 24" each layer and side. Sound tested with 1 1/2" mineral fiber insulation stapled in stud space. (NLB)



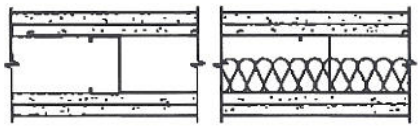
Thickness: 3 5/8"
Approx. Weight: 9 psf
Fire Test: UC, 12-7-64
Field Sound Test: ACI 1131a, 7-14-64

GA FILE NO. WP 1545 | **GENERIC** | **2 HOUR FIRE** | **50 to 54 STC SOUND**

GYPSUM WALLBOARD, STEEL STUDS

Base layer 1/2" type X gypsum wallboard or gypsum veneer base applied parallel to each side of 2 1/2" steel studs 24" o.c. with 1" Type S drywall screws 24" o.c. Face layer 1/2" type X gypsum wallboard or gypsum veneer base applied parallel to each side with 1 5/8" Type S drywall screws 12" o.c.

Joints staggered 24" each layer and side. Sound tested with 1 1/2" mineral fiber insulation friction fit in stud space. (NLB)



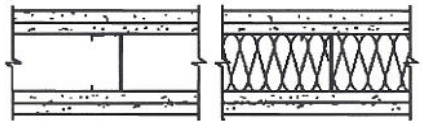
Thickness: 4 1/2"
Approx. Weight: 9 psf
Fire Test: UC, 9-7-64; ULC 80T499, 3-26-81, ULC Design W414
Sound Test: CK 654-40, 9-7-65

GA FILE NO. WP 1546 | **GENERIC** | **2 HOUR FIRE** | **50 to 54 STC SOUND**

GYPSUM WALLBOARD, STEEL STUDS

Base layer 1/2" type X gypsum wallboard or gypsum veneer base applied parallel to each side of 2 1/2" steel studs 24" o.c. with 1" Type S drywall screws 24" o.c. Face layer 1/2" type X gypsum wallboard or gypsum veneer base applied parallel to each side with 1 5/8" Type S drywall screws 12" o.c.

Joints staggered 24" each layer and side. Sound tested with 2 1/2" glass fiber friction fit in stud space. (NLB)



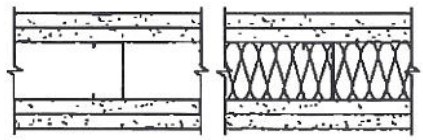
Thickness: 4 1/2"
Approx. Weight: 9 psf
Fire Test: See WP 1545 (UC, 9-7-64; ULC 80T499, 3-26-81, ULC Design W414)
Sound Test: NRCC 798-NV, 2-2-81

GA FILE NO. WP 1548 | **GENERIC** | **2 HOUR FIRE** | **50 to 54 STC SOUND**

GYPSUM WALLBOARD, STEEL STUDS

Base layer 5/8" type X gypsum wallboard or gypsum veneer base applied parallel or at right angles to each side of 2 1/2" steel studs 24" o.c. with 1" Type S drywall screws 24" o.c. Face layer 5/8" type X gypsum wallboard or gypsum veneer base applied parallel or at right angles to each side with 1 5/8" Type S drywall screws 12" o.c.

Joints staggered 24" each layer and side. Sound tested with 2 1/2" glass fiber insulation friction fit in stud space. (NLB)



Thickness: 5"
Approx. Weight: 12 psf
Fire Test: WHI-495-0236, 1-30-80
Sound Test: WHI-218-1, 6-11-80

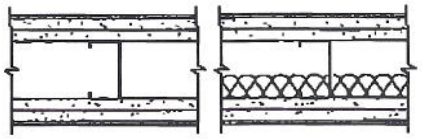
WALLS AND INTERIOR PARTITIONS, NONCOMBUSTIBLE

GA FILE NO. WP 1560 | **GENERIC** | **2 HOUR FIRE** | **50 to 54 STC SOUND**

GYPSUM VENEER PLASTER, GYPSUM VENEER BASE, STEEL STUDS

Base layer 1/2" type X gypsum veneer base applied parallel to each side of 2 1/2" steel studs 24" o.c. with 1" Type S drywall screws 24" o.c. at vertical joints and intermediate studs. Face layer 1/2" type X gypsum veneer base applied parallel to each side with 1 5/8" Type S drywall screws 12" o.c. at vertical joints and intermediate studs. 3/32" gypsum veneer plaster applied over each side.

Joints staggered 24" each layer and side. Sound tested with 1" mineral fiber insulation stapled in stud space. (NLB)



Thickness: 4 3/4"
Approx. Weight: 10 psf
Fire Test: UL R5085-7, R4142, 12-1-66 (Rev. 1-16-80), UL Design U424
Sound Test: CK 654-66, 12-29-65

GA FILE NO. WP 1565 | **PROPRIETARY*** | **2 HOUR FIRE** | **50 to 54 STC SOUND**

GYPSUM WALLBOARD, STEEL STUDS, MINERAL FIBER INSULATION, CEMENTITIOUS BACKER UNIT

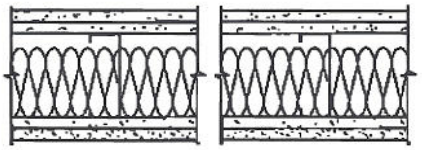
Base layer 1/2" proprietary type X gypsum wallboard or veneer base applied parallel to each side of 3 5/8" 25 gage steel studs 16" o.c. with 1" Type S drywall screws 24" o.c. Face layer 1/2" proprietary type X gypsum wallboard or veneer base applied parallel to ONE SIDE with 1 5/8" Type S drywall screws 12" o.c. 3" mineral fiber insulation batts, 2.5 pcf, in stud space.

OPPOSITE SIDE: Face layer 1/2" proprietary cementitious backer units applied parallel to studs with 1 5/8" Type S wafer head screws 8" o.c.

Joints staggered 16" each layer and side. (NLB)

PROPRIETARY GYPSUM BOARD

National Gypsum Company - 1/2" Gold Bond® Brand FIRE-SHIELD C™ Gypsum Wallboard



Thickness: 5 5/8"
Approx. Weight: 8 psf
Fire Test: ITS J98-32931, 12-11 & 2-5-99, ITS Design NGC/WA 120-01; UL R22158, 05CA15728, 5-23-05, UL Design V452
Sound Test: NGC 2099016, 8-23-99

GA FILE NO. WP 1570 | **PROPRIETARY*** | **2 HOUR FIRE** | **50 to 54 FSTC SOUND**

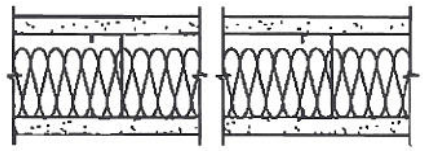
GYPSUM WALLBOARD, STEEL STUDS, MINERAL FIBER INSULATION

One layer 3/4" proprietary type X gypsum wallboard applied parallel to each side of 3 1/2" steel studs 24" o.c. with 1 1/4" Type S drywall screws 8" o.c. at vertical joints and 12" o.c. at intermediate studs. 3" proprietary mineral fiber insulation, 2.0 pcf, friction fit in stud space.

Joints staggered 24" on opposite sides. (NLB)

PROPRIETARY GYPSUM BOARD

United States Gypsum Company - 3/4" SHEETROCK® Brand ULTRACODE® Core Gypsum Panels



Thickness: 5"
Approx. Weight: 7 psf
Fire Test: UL R1319, 91NK16132, 11-18-91, UL Design U491
Field Sound Test: USG-910617, 6-26-91

Contact the manufacturer for more detailed information on proprietary products.

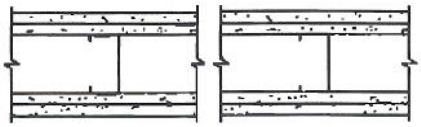
WALLS AND INTERIOR PARTITIONS, NONCOMBUSTIBLE

GA FILE NO. WP 1615 | **GENERIC** | **2 HOUR FIRE** | **45 to 49 STC SOUND**

GYPSUM WALLBOARD, STEEL STUDS

Base layer 1/2" type X gypsum wallboard or gypsum veneer base applied parallel to each side of 2 1/2" steel studs 24" o.c. with 1" Type S drywall screws 24" o.c. Face layer 1/2" type X gypsum wallboard or gypsum veneer base applied parallel to each side with 1 5/8" Type S drywall screws 12" o.c.

Joints staggered 24" each layer and side. (NLB)



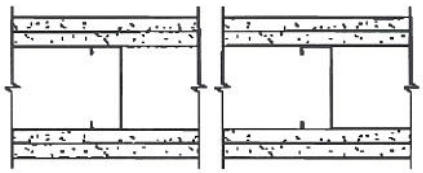
Thickness: 4 1/2"
Approx. Weight: 9 psf
Fire Test: UC, 9-7-64; ULC 80T499, 3-26-81, ULC Design W414
Sound Test: NGC 2250, 1-3-68

GA FILE NO. WP 1616 | **GENERIC** | **2 HOUR FIRE** | **45 to 49 STC SOUND**

GYPSUM WALLBOARD, STEEL STUDS

Base layer 5/8" type X gypsum wallboard or gypsum veneer base applied parallel to each side of 3 5/8" steel studs 24" o.c. with 1" Type S drywall screws 8" o.c. at vertical joints and 12" o.c. at intermediate studs. Face layer 5/8" plain or predecorated type X gypsum wallboard or gypsum veneer base applied parallel to each side laminating compound combed over entire surface. Metal base and top retainer channels.

Joints staggered 24" each layer and side. (NLB)



Thickness: 6 1/8"
Approx. Weight: 10 psf
Fire Test: UL R1319-31, 6-2-60, UL Design U411
Sound Test: NGC 2005005, 6-15-05 RAL TL06-115, 4-12-06

GA FILE NO. WP 1625 | **PROPRIETARY*** | **2 HOUR FIRE** | **45 to 49 STC SOUND**

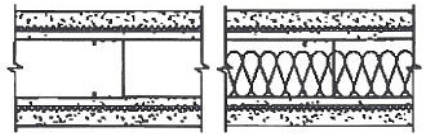
GYPSUM PLASTER, GYPSUM LATH, METAL LATH, STEEL STUDS

One layer 3/8" thick proprietary gypsum lath applied at right angles to each side of 2 1/2" 20 gage steel studs 16" o.c. with 1" Type S drywall screws 8" o.c. Mineral fiber batts (optional) in stud space. 3.4 lb self furring diamond mesh metal lath applied to each side over gypsum lath with 1" Type S screws. 3/4" 1:2 gypsum-sand plaster with a lime gauging plaster finish applied over each side.

Sound tested with 2" mineral fiber stapled in stud space. (NLB)

PROPRIETARY GYPSUM LATH

United States Gypsum Company - 3/8" ROCKLATH® FIRECODE® C Core Plaster Base



Thickness: 4 3/4"
Approx. Weight: 16 psf
Fire Test: UL R1319, 2-28-90, UL Design U484
Sound Test: CK 664-17, 4-1-66; CK 664-18, 4-6-66

Contact the manufacturer for more detailed information on proprietary products.

WALLS AND INTERIOR PARTITIONS, NONCOMBUSTIBLE

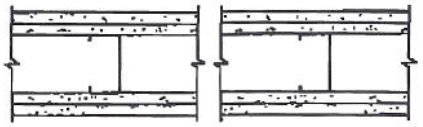
GA FILE NO. WP 1630 — GENERIC

2 HOUR FIRE | **45 to 49 STC SOUND**

GYPSUM WALLBOARD, STEEL STUDS

Base layer 1/2" type X gypsum wallboard or gypsum veneer base applied parallel to each side of 2 1/2" steel studs 24" o.c. with 1" Type S drywall screws 12" o.c. at vertical joints and wall perimeter and 36" o.c. at intermediate studs. Face layer 1/2" type X gypsum wallboard or gypsum veneer base applied parallel to each side with 4" wide strips of drywall laminating adhesive 2" from board edges and 4" off board centerline and 1 3/4" Type S drywall screws 12" o.c. at wall perimeter and 16" o.c. at intermediate studs.

Joints staggered 24" each layer and side. **(NLB)**



Thickness: 4 1/2"
Approx. Weight: 9 psf
Fire Test: OSU T-3218, 9-17-65
Sound Test: NGC 2111, 2-6-67

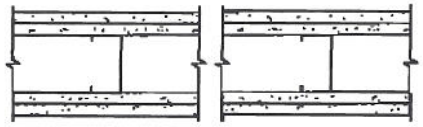
GA FILE NO. WP 1632 — PROPRIETARY*

2 HOUR FIRE | **45 to 49 STC SOUND**

GYPSUM WALLBOARD, GLASS MAT GYPSUM BOARD, STEEL STUDS

Base layer 1/2" proprietary type X gypsum wallboard applied parallel to each side of 2 1/2" steel studs 24" o.c. with 1" Type S drywall screws 24" o.c. Face layer 1/2" proprietary glass mat water-resistant gypsum backing board applied parallel to each side with 1 5/8" Type S drywall screws 8" o.c. at vertical joints and 12" o.c. at intermediate studs and wall perimeter.

Joints staggered 24" each layer and side and covered with 10 x 10 mesh glass tape and *tile adhesive.* **(NLB)**



Thickness: 4 1/2"
Approx. Weight: 9 psf
Fire Test: CTC 1894-1530, 1-15-88
Sound Test: See WP 1615 (NGC 2250, 1-3-68)

PROPRIETARY GYPSUM PANEL PRODUCTS

G-P Gypsum - 1/2" DensShield®
- 1/2" ToughRock® Fireguard® C

GA FILE NO. WP 1635 — GENERIC

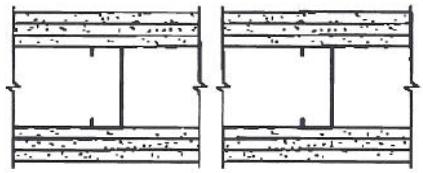
2 HOUR FIRE | **45 to 49 STC SOUND**

GYPSUM WALLBOARD, STEEL STUDS

Base layer 1/2" type X gypsum wallboard or gypsum veneer base applied parallel to each side of 3 1/2" 20 gage steel studs 24" o.c. with 1" Type S-12 drywall screws 12" o.c. Second layer 1/2" type X gypsum wallboard or gypsum veneer base applied parallel to each side with 1 5/8" Type S-12 drywall screws 12" o.c. Face layer 1/2" type X gypsum wallboard or gypsum veneer base applied parallel or at right angles to each side with 1 7/8" Type S-12 drywall screws 12" o.c. and 1 1/2" Type G screws 12" o.c. midway between studs. Studs attached to each side of floor and ceiling runners by welding or with 1/2" Type S-12 panhead screws.

Joints staggered 24" each layer and side.

Bracing: Lateral bracing spaced not over 40" o.c. shall be 1" by 18 gage steel straps attached to each side or channel bracing attached to each stud with a clip angle. For studs with holes or punch-outs in the web the "Q" factor shall be determined by means of stub column tests. Tested at 100 percent of design load. (LOAD-BEARING)



Thickness: 6 1/2"
Approx. Weight: 11 psf
Fire Test: UL NC 505-4, 7-29-82, UL Design U425
Sound Test: Estimated

GA FILE NO. WP 1714 — GENERIC

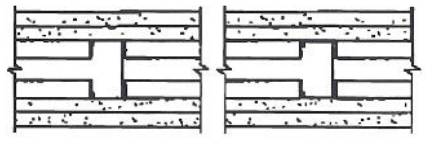
2 HOUR FIRE | **40 to 44 STC SOUND**

GYPSUM WALLBOARD, STEEL STUDS

Base layer 5/8" type X gypsum wallboard or gypsum veneer base applied parallel to 2 1/2" 18 gage steel studs 16" o.c. with 1" Type S-12 drywall screws 12" o.c. Face layer 5/8" type X gypsum wallboard or gypsum veneer base applied parallel to each side with 1 5/8" Type S-12 drywall screws 12" o.c. Studs attached to each side of floor and ceiling runners by welding.

Joints staggered 16" each layer and side.

Bracing: Lateral bracing on each side shall be 3/4" cold rolled channel at 1/3 points screw attached with 1/2" Type S-12 drywall screws. Tested at 100 percent of design load. (LOAD-BEARING)



Thickness: 5"
Approx. Weight: 10 psf
Fire Test: FM WP 199-2, 1-25-71
Sound Test: See WP 1615 (NGC 2250, 1-3-68)

WALLS AND INTERIOR PARTITIONS, NONCOMBUSTIBLE

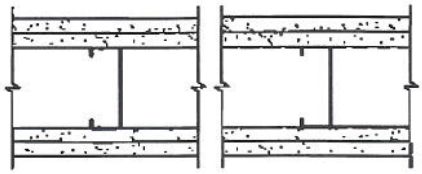
GA FILE NO. WP 1716 | **GENERIC** | **2 HOUR FIRE** | **40 to 44 STC SOUND**

GYPSUM WALLBOARD, STEEL STUDS

Base layer 5/8" type X gypsum wallboard or gypsum veneer base applied parallel to each side of 3 1/2" 20 gage steel studs 24" o.c. with 1" Type S-12 drywall screws 12" o.c. Face layer 5/8" type X gypsum wallboard or gypsum veneer base applied parallel to each side with 1 5/8" Type S-12 drywall screws 12" o.c. Studs attached to each side of floor and ceiling runners by welding or with 1/2" Type S-12 panhead screws.

Joints staggered 24" each layer and side.

Bracing: Lateral bracing spaced not over 40" o.c. shall be 1" by 18 gage steel straps attached to each side or channel bracing attached to each stud with a clip angle. For studs with holes or punch-outs in the web the "Q" factor shall be determined by means of stub column tests. Tested at 60 percent of design load. (LIMITED LOAD-BEARING)



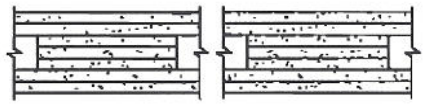
Thickness: 6"
Approx. Weight: 10 psf
Fire Test: UL NC 505-6, 7-29-82, UL Design U425
Sound Test: See WP 1615 (NGC 2250, 1-3-68)

GA FILE NO. WP 1830 | **GENERIC** | **2 HOUR FIRE** | **35 to 39 STC SOUND**

SEMI-SOLID GYPSUM WALLBOARD, GYPSUM STUDS

Base layer 1/2" type X gypsum wallboard or gypsum veneer base applied parallel to each side of 1 5/8" x 6" type X gypsum board studs 24" o.c. with laminating compound combed over entire surface of gypsum studs and 2" Type G drywall screws 24" o.c. Face layer 1/2" type X gypsum wallboard or gypsum veneer base applied parallel to each side with laminating compound combed over entire contact surface, 2" Type G drywall screws 24" o.c. at gypsum studs and 1 1/2" Type S drywall screws 24" o.c. at floor and ceiling channels.

Joints staggered 24" each layer and side. (NLB)



Thickness: 3 5/8"
Limiting Height: 14'0"
Approx. Weight: 10 psf
Fire Test: UC, 2-8-62
Sound Test: See WP 1330 (Based on G&H BW-8FT, 8-1-62)

GA FILE NO. WP 1841 | **PROPRIETARY*** | **2 HOUR FIRE** | **35 to 39 STC SOUND**

SOLID GYPSUM WALLBOARD

One layer 1/2" proprietary type X gypsum wallboard or gypsum veneer base applied parallel to each side of 1" x 24" proprietary type X gypsum panels with laminating compound combed over the entire contact surface and 1 5/16" Type S screws 24" o.c. horizontally and vertically. 1" gypsum coreboard panels attached to 25 gage 1" x 2 1/4" high "L" runners along floor and ceiling lines with two 1 5/16" Type S screws at top and bottom. Wallboard layers attached to "L" runners with 1 7/8" Type S screws 12" o.c.

Joints staggered 12" on opposite sides. (NLB)

PROPRIETARY GYPSUM BOARD

National Gypsum Company
- 1/2" Gold Bond® Brand FIRE-SHIELD C™ Gypsum Wallboard
- 1" Gold Bond® Brand FIRE-SHIELD® Shaftliner

Thickness: 2"
Limiting Height: Refer to manufacturer
Approx. Weight: 8 psf
Fire Test: UL R3501, 92NK28896, 6-4-93, UL Design U525; FM WP-668, 6-28-82
Sound Test: Based on NGC 2359, 11-18-69

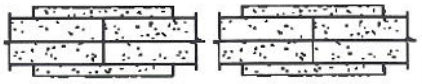
Contact the manufacturer for more detailed information on proprietary products.

WALLS AND INTERIOR PARTITIONS, NONCOMBUSTIBLE

GA FILE NO. WP 1870 | **PROPRIETARY*** | **2 HOUR FIRE** | **35 to 39 STC SOUND**

SOLID GYPSUM WALLBOARD, PROTECTED STEEL H MEMBERS

Two 1" x 24" proprietary type X gypsum panels installed vertically between floor and ceiling runners and friction fit into "H" members 24" o.c. One layer ½" x 6" wide strips proprietary type X gypsum wallboard applied to each side over steel flanges and runners with 1" Type S drywall screws 12" o.c. **(NLB)**



PROPRIETARY GYPSUM BOARD

G-P Gypsum - ½" ToughRock® Fireguard® C
- 1" ToughRock® Fireguard® Shaftliner

Thickness: 3"
Approx. Weight: 9½ psf
Fire Test: WHI 495-0743, 1-28-86; WHI 495-0744, 1-30-86; CTC 1869-0438, 9-22-87
Sound Test: Estimated

GA FILE NO. WP 1930 | **GENERIC** | **2 HOUR FIRE** | **30 to 34 STC SOUND**

SOLID GYPSUM PLASTER, METAL CHANNEL, METAL LATH

2½" solid 1:2 or 1:3 gypsum-perlite plaster applied over 3.4 lb metal lath wire tied 6" o.c. to one side of ¾" cold rolled channel studs 16" o.c. embedded in the plaster. **(NLB)**

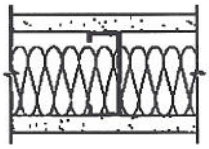
Thickness: 2½"
Limiting Height: 12'0"
Approx. Weight: 12 psf
Fire Test: UL R3453, 2-13-52
Sound Test: See WP 1380 (BMS 144/523, 2-25-55; NBS Monograph 77, 11-30-64)

GA FILE NO. WP 1941 | **PROPRIETARY*** | **2 HOUR FIRE**

GYPSUM WALLBOARD, STEEL STUDS, MINERAL FIBER INSULATION

One layer ¾" proprietary type X gypsum wallboard or gypsum veneer base applied parallel or at right angles to each side of 3½" 20 gage steel studs 24" o.c. with 1¼" Type S drywall screws 8" o.c. at vertical edges and either 12" o.c. at intermediate studs when applied parallel to studs or 8" o.c. at intermediate studs when applied at right angles to studs. 3" mineral fiber insulation, 3.0 pcf, friction fit in stud space.

Vertical joints staggered 24" on opposite sides. **(NLB)**



PROPRIETARY GYPSUM BOARD

United States Gypsum Company - ¾" SHEETROCK® Brand ULTRACODE® Core Gypsum Panels

Thickness: 5"
Approx. Weight: 7 psf
Fire Test: UL R1319, 91NK16132, 11-18-91 (rev. 12-15-92), UL Design U491; UL R1319, 96NK11081, 4-3-97, UL Design U419

Contact the manufacturer for more detailed information on proprietary products.

WALLS AND INTERIOR PARTITIONS, NONCOMBUSTIBLE

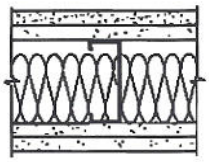
GA FILE NO. WP 1942 | **PROPRIETARY*** | **2 HOUR FIRE**

GYPSUM WALLBOARD, STEEL STUDS, MINERAL FIBER INSULATION, CEMENTITIOUS BACKER UNITS

Base layer 5/8" proprietary type X gypsum wallboard or gypsum sheathing applied parallel or at right angles to one side of 3 1/2" 20 gage steel studs 16" o.c. with 1" Type S drywall screws 12" o.c. Face layer 1/2" or 5/8" proprietary cementitious backer units applied parallel or at right angles to studs with 1 5/8" corrosion resistant Type S-12 wafer-head screws 8" o.c. 3" mineral fiber insulation, 3.0 pcf, friction fit in stud space.

OPPOSITE SIDE: Base layer 5/8" proprietary type X gypsum board or gypsum veneer base applied parallel or at right angles to studs with 1" Type S drywall screws 16" o.c. Face layer 5/8" proprietary type X gypsum board or gypsum veneer base applied parallel or at right angles to studs with 1 5/8" Type S drywall screws 16" o.c.

Vertical joints staggered 16" each layer and side, horizontal joints staggered 12" each layer and side. **(LOAD-BEARING)**



Thickness: 5 7/8"
Approx. Weight: 10 psf
Fire Test: UL R12262, 98NK38523, 1-27-98 & 98NK4375, 1-26-98, UL Design U404

PROPRIETARY GYPSUM BOARD

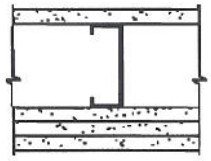
United States Gypsum Company - 5/8" SHEETROCK® Brand FIRECODE® Core Gypsum Panels

GA FILE NO. WP 1943 | **PROPRIETARY*** | **2 HOUR FIRE**

GYPSUM WALLBOARD, STEEL STUDS

Base layer 5/8" proprietary type X gypsum wallboard applied parallel to each side of 3 1/2" 25 gage steel studs 24" o.c. with 1 1/8" Type S drywall screws 8" o.c. at vertical joints and wall perimeter and 12" o.c. at intermediate studs. Second layer 5/8" proprietary type X gypsum wallboard applied parallel to studs ONE SIDE ONLY with 1 5/8" Type S drywall screws 12" o.c. Face layer 5/8" proprietary type X gypsum wallboard applied parallel to studs ONE SIDE ONLY with 2 1/4" Type S drywall screws 8" o.c. at vertical joints and wall perimeter and 12" o.c. at intermediate studs.

Vertical joints staggered 24" each layer and side. **(NLB)**



Thickness: 6"
Approx. Weight: 9 psf
Fire Test: UL R3501, 03NK13365, 10-27-03, UL Design V449

PROPRIETARY GYPSUM BOARD

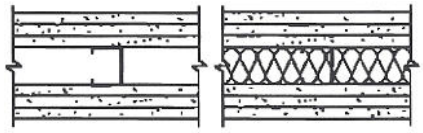
National Gypsum Company - 5/8" Gold Bond® Brand FIRE-SHIELD® Gypsum Wallboard

GA FILE NO. WP 2800 | **PROPRIETARY*** | **3 HOUR FIRE** | **55 to 59 FSTC SOUND**

GYPSUM WALLBOARD, STEEL STUDS

Base layer 1/2" proprietary type X gypsum wallboard or gypsum veneer base applied parallel to each side of 1 5/8" steel studs 24" o.c. with 1" Type S drywall screws 24" o.c. Second layer 1/2" proprietary type X gypsum wallboard or gypsum veneer base applied parallel to each side with 1 5/8" Type S drywall screws 24" o.c. Face layer 1/2" proprietary type X gypsum wallboard or gypsum veneer base applied parallel or at right angles to each side with 2 1/4" Type S drywall screws 12" o.c. and 1 1/2" Type G drywall screws midway between studs 1" above and below horizontal joints for right angle application.

Joints staggered 24" each layer and side. Sound tested with 1 1/2" mineral fiber insulation friction fit in stud space. **(NLB)**



Thickness: 4 5/8"
Approx. Weight: 13 psf
Fire Test: UL R1319-138, 139, 5-27-82, UL Design U435
Field Sound Test: SA-830112, 1-12-83

PROPRIETARY GYPSUM BOARD

United States Gypsum Company - 1/2" SHEETROCK® Brand FIRECODE® C Core Gypsum Panels

Contact the manufacturer for more detailed information on proprietary products.