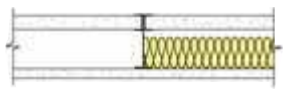
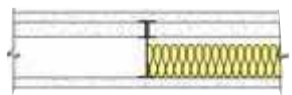
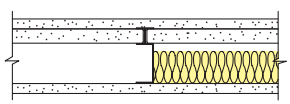
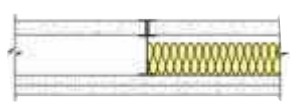
## Gypsum Wallboard Partitions-Shaftwalls, Area Separation Walls (CAD FILE NAME GOLDM.DWG OR GOLDM.DXF)

| No. | Fire Rating | Ref. | Design No. | Description | STC | Test No. |
|---|---|---|---|---|---|---|
| | FIRE – SOUND | | | | | |
| 1 | 1 hr.  | UL<br>FM<br>GA | U499<br>WP-755<br>WP 6905 | 2 1/2" (63.5 mm), 4" (102 mm) or 6" (152 mm) I-Studs, C-T Studs or C-H Studs 24" o.c. (610 mm). 1" (25.4 mm) Fire-Shield Shaftliner or 1" Fire-Shield Shaftliner XP, one layer of 5/8" (15.9 mm) Fire-Shield Gypsum Wallboard applied horizontally or vertically on side opposite shaftliner. Fire tested both sides. | 37 | NGC 2001003 |
| | | | | 1 1/2" (38.1 mm) mineral wool or glass fiber in cavity. | 42 | NGC 2542 |
| 2 | 2 hr.  | UL<br>FM<br>GA<br><br>GA | U498<br>WP-545<br>WP 7079<br><br>ASW 1215 | 2 1/2" (63.5 mm), 4" (102 mm) or 6" (152 mm) I-Studs, C-T Studs or C-H Studs 24" o.c (610 mm). 1" (25.4 mm) Fire-Shield Shaftliner or 1" Fire-Shield Shaftliner XP, and 1 layer of 1/2" (12.7 mm) Fire-Shield C Gypsum Wallboard, 1/2" (12.7 mm) Fire-Shield C Kal-Kore veneer plaster base, or 1/2" (12.7 mm) Fire-Shield C MR Board applied horizontally on each side. Horizontal and vertical joints staggered. Fire tested both sides. | 40 | NGC 2618 |
| | | | | 1 1/2" (38.1 mm) mineral wool or glass fiber in cavity. | 45 | NGC 2617 |
| | | U. of Cal.<br><br>GA | 75-19<br>ES 7407<br>WP 7077 | 5/8" (15.9 mm) Fire-Shield Gypsum Wallboard as face layers. | 40 | Based on NGC 2618 |
| 3 | 2 hr.  | UL<br>GA | U429<br>WP 7084 | 2 1/2" (63.5 mm), 4" (102 mm) or 6" (152 mm) C-T Studs or C-H Studs 24" o.c. (610 mm), 1" (25.4 mm), 6" Fire-Shield Shaftliner or 1" Fire-Shield Shaftliner XP and 1 layer of 1/2" (12.7 mm) Fire-Shield C Wallboard applied vertically on each side. Joints staggered 24" on opposite sides. | 40 | Based on NGC 2618 |
| | | | | 1 1/2" (38.1 mm) mineral wool or glass fiber in cavity. | 45 | Based on NGC 2617 |
| 4 | 2 hr.  | UL<br>FM<br>GA | U497<br>WP-636<br>WP 7080 | 2 1/2" (63.5 mm), 4" (102 mm) or 6" (152 mm) I-Studs, C-T Studs or C-H Studs 24" o.c. (610 mm). 1" (25.4 mm) Fire-Shield Shaftliner or 1" Fire-Shield Shaftliner XP and 2 layers of 1/2" (12.7 mm) Fire-Shield C Gypsum Wallboard, 1/2" (12.7 mm) Fire-Shield C Kal-Kore veneer plaster base, or 1/2" (12.7 mm) Fire-Shield C MR Board on corridor side only, base layer horizontal, face layer vertical. Fire tested both sides. | 40 | NGC 2615 |
| | | | | 1 1/2" (38.1 mm) mineral wool or glass fiber in cavity. | 47 | NGC 2616 |
| | | UL<br>WHI | U497<br>651-0500.05 | 2 1/2" (63.5 mm), 4" (102 mm) or 6" (152 mm) I-Studs, C-T Studs or C-H Studs 24" o.c. (610 mm). 1" (25.4 mm) Fire-Shield Shaftliner or 1" Fire-Shield Shaftliner XP and two layers 1/2" (12.7 mm) Fire-Shield C Gypsum Wallboard applied horizontally on corridor side. Fire tested both sides. | 40 | Based on NGC 2615- |
| | | U. of Cal.<br><br>GA | 75-17<br>ES 7408<br>WP 7076 | 2 layers 5/8" (15.9 mm) Fire-Shield Wallboard on corridor side. | 40 | Based on NGC 2615 |

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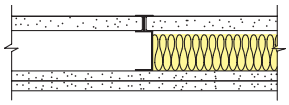
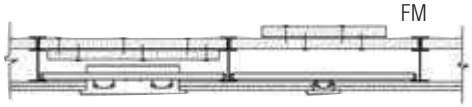
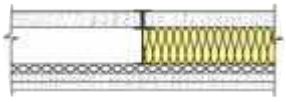
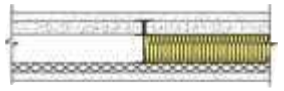
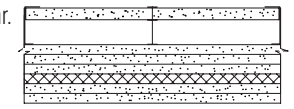
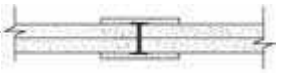
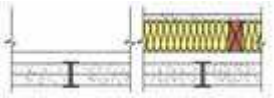
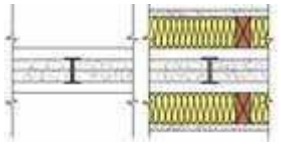
| No. | Fire Rating | Ref. | Design No. | Description | STC | Test No. |
|---|---|---|---|---|---|---|
| | FIRE – SOUND | | | | | |
| 5 | 2 hr.  | UL<br>GA | U428<br>WP 7051 | 2 1/2" (63.5 mm), 4" (102 mm) or 6" (152 mm) C-T Studs or C-H Studs 24" o.c. (610 mm). 1" (25.4 mm) Fire-Shield Shaftliner or 1" Fire-Shield Shaftliner XP and 2 layers of 1/2" (12.7 mm) Fire-Shield C Wallboard, base layer horizontal, face layer vertical. | 40 | Based on NGC 2615 |
| | | | | 1 1/2" (38.1 mm) mineral wool or glass fiber in cavity. | 47 | Based on NGC 2616 |
| 6 | 2 hr.  | FM<br>FM | WP-621<br>WP-612 | Elevator Control Boxes, 4" (102 mm) or 6" (152 mm) I-Studs 24" o.c (610 mm). 1" (25.4 mm) Fire-Shield Shaftliner or 1" Fire-Shield Shaftliner XP and two layers 1/2" (12.7 mm) Fire-Shield C Gypsum Wallboard on side only, base layer horizontal, face layer vertical. Control boxes corridor and conduit penetrations. | None | None |
| 7 | est. 2 hr.  | FM | Based on WP-636 | 2 1/2" (63.5 mm), 4" (102 mm) or 6" (152 mm) I-Studs, C-T Studs or C-H Studs 24" o.c. (610 mm). 1" (25.4 mm) Fire-Shield Gypsum Shaftliner, or 1" Fire-Shield Shaftliner XP, Resilient Furring Channels 24" o.c. (610 mm) on corridor side and two layers 1/2" (12.7 mm) Fire-Shield C Gypsum Wallboard on channels, 1 1/2" (38.1 mm) mineral wool or glass fiber in stud cavity. | 51 | BBN NGC 2609 |
| 8 | 2 hr.  | FM | Based on WP-545 | 2 1/2" (63.5 mm), 4" (102 mm) or 6" (152 mm) I-Studs, C-T Studs or C-H Studs 24" o.c. (610 mm). 1" (25.4 mm) Fire-Shield Shaftliner or 1" Fire-Shield Shaftliner XP and 1 layer of 1/2" (12.7 mm) Fire-Shield C Gypsum Wallboard or 1/2" (12.7 mm) Fire-Shield C MR Board on one side. Other side 1 layer 1/2" (12.7 mm) Fire-Shield C Wallboard screwed to Resilient Furring Channels 24" o.c. (610 mm) attached to I-Studs with screws in alternate legs. 1 1/2" (38.1 mm) mineral wool or glass fiber in cavity. | 50 | BBN NGC 2610 |
| 9 | 4 hr.  | UL<br>GA | V451<br>WP 7691 | 4" (102 mm) I-Studs, C-T Studs or C-H Studs 24" o.c. (610 mm) 1" (25.4 mm) Fire-Shield Shaftliner or 1" Fire-Shield Shaftliner XP and five layers of 5/8" (15.9 mm) Fire-Shield C Wallboard applied vertically to corridor side. Furring channel applied horizontally 16" o.c. (406 mm) over third layer. Vertical joints staggered. | | |
| 10 | 2 hr.  | WHI | 694-0200.6 | 2 layers of 1" (25.4 mm) Fire-Shield Shaftliner or 1" Fire-Shield Shaftliner XP inserted in 2" H-Stud 24" o.c. (610 mm). H-Studs and Track covered by 1/2" (12.7 mm) Fire-Shield C Gypsum 6" (152 mm) wide strips. | 35 | NGC 2827 |
| 11 | 2 hr.  | WHI | 651-0508 | 2 layers of 1" (25.4 mm) Fire-Shield Shaftliner or 1" Fire-Shield Shaftliner XP inserted in 2" H-Stud 24" o.c. (610 mm). One nominal 2 x 4 (38 mm x 89 mm) wood stud wall one side. 1" (25.4 mm) air space between Shaftliner and wood studs. Wood studs 16" o.c., (406 mm) faced with one layer 1/2" regular gypsum board. | 50 | NGC 2826 |
| | | | | 3 1/2" (88.9 mm) mineral wool or glass fiber in wood stud cavity. | 55 | NGC 2825 |
| 12 | 2 hr.  | UL<br>GA | U347<br>ASW 1005 | 2 layers of 1" (25.4 mm) Fire-Shield Shaftliner or 1" Fire-Shield Shaftliner XP inserted in 2" H-Stud 24" o.c. (610 mm). Adjacent construction each side. Minimum 3/4" (19.0 mm) air space between Shaftliner and adjacent construction. | 50 | NGC 2823 |
| | | | | 3 1/2" (88.9 mm) mineral wool or glass fiber in both wood stud cavities. | 61 | TL 05-199 |
| | | | | 3 1/2" (88.9 mm) mineral wool or glass fiber in wood stud cavity one side. | 55 | NGC 2824 |