

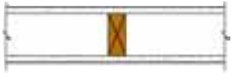
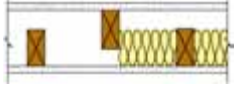
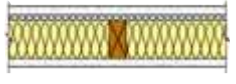
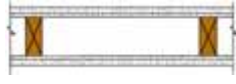
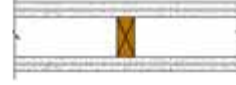
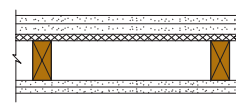
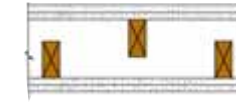
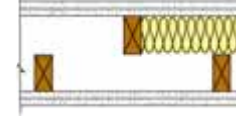
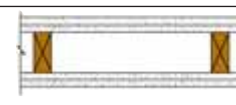




**Gypsum Wallboard Partitions-Wood Framing (load-bearing)** (CAD FILE NAME **GOLDH.DWG** OR **GOLDH.DXF**)

No.	Fire Rating		Ref.	Design No.	Description	STC	Test No.
<b>FIRE – SOUND</b>							
1	45 min.		UL	U317	1/2" (12.7 mm) Fire-Shield C Gypsum Wallboard or 1/2" (12.7 mm) Fire-Shield C Kal-Kore plaster base nailed both sides 2 x 4 (38 mm x 89 mm) studs, 16" o.c. (406 mm).	34	NGC 2161
2	1 hr.		UL GA	U305 WP 3605	5/8" (15.9 mm) Fire-Shield Gypsum Wallboard, 5/8" (15.9 mm) Fire-Shield Kal-Kore plaster base or 5/8" (15.9 mm) Fire-Shield MR Board nailed both sides 2 x 4 (38 mm x 89 mm) wood studs, 16" o.c. (406 mm).	35	NGC 2403

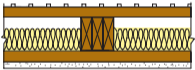
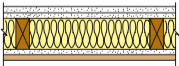
## QUICK SELECTOR FOR FIRE AND SOUND RATED SYSTEMS

Gypsum Wallboard Partitions-Wood Framing (load-bearing) (cont'd) (CAD FILE NAME **GOLDH.DWG** OR **GOLDH.DXF**)

No.	Fire Rating		Ref.	Design No.	Description	STC	Test No.
<b>FIRE – SOUND</b>							
3	1 hr.		UL GA	U309 WP 3510	5/8" (15.9 mm) Fire-Shield Gypsum Wallboard or 5/8" (15.9 mm) Fire-Shield MR Board nailed both sides 2 x 4 (38 mm x 89 mm) studs, 24" o.c. (610 mm).	38	NGC 2404
4	1 hr.		UL	U340	5/8" (15.9 mm) Fire-Shield C Wallboard nailed or screwed 7" o.c. (178 mm) to 2x4 (51 mm x 102 mm) wood studs 24" o.c. (610 mm) staggered 12" o.c. (305 mm). Single 6" (152 mm) plate. Sound rating with 3 1/2" (88.9 mm) glass fiber in cavity.	45	Based on NGC 2375
5	1 hr.		WHI GA	694-0200 Based on WP 3230	5/8" (15.9 mm) Fire-Shield C Gypsum Wallboard, screw applied to Resilient Furring Channel spaced 24" o.c. (610 mm) one side only, on 2 x 4 (38 mm x 89 mm) studs spaced 24" o.c. (610 mm). Other side 5/8" (15.9 mm) Fire-Shield C Gypsum Wallboard screw attached direct to studs. 3" (76 mm) mineral wool (3 pcf) in stud cavity.	50	Based on TL 77-138
6	1 hr.		UL FM GA	U312 WP-147 WP 3341	1/2" (12.7 mm) Fire-Shield C Wallboard, 1/2" (12.7 mm) Fire-Shield C Kal-Kore plaster base or 1/2" (12.7 mm) Fire-Shield C Durasan laminated to 1/4" gypsum wallboard nailed to both sides 2 x 4 (38 mm x 89 mm) studs, spaced 16" o.c. (406 mm).	45	NGC 2321
7	2 hr.		FM GA	WP-360 WP 4135	5/8" (15.9 mm) Fire-Shield Gypsum Wallboard base layer nail applied horizontally to both sides 2 x 4 (38 mm x 89 mm) wood studs, spaced 24" o.c. (610 mm). Face layer 5/8" (15.9 mm) Fire-Shield Gypsum Wallboard nail applied horizontally to both sides. Rating also applies with 5/8" (15.9 mm) Fire-Shield Kal-Kore plaster base.	40	Based on NGC 2363
8	est. 2 hr.		FM GA	Based on WP-360 Based on WP 4135	Two layers 5/8" (15.9 mm) Fire-Shield Gypsum Wallboard nailed one side to 2 x 4 (38 mm x 89 mm) wood studs, 16" o.c. (406 mm). Two layers other side screw applied to Resilient Furring Channels spaced 24" o.c. (610 mm). Rating also applies with 5/8" (15.9 mm) Fire-Shield Kal-Kore plaster base.	50	NGC 2368
9	2 hr.		FM GA	Based on WP-360 WP 3910	Two layers 5/8" (15.9 mm) Fire-Shield Wallboard nail applied horizontally to both sides of 2 x 4 (38 mm x 89 mm) wood studs 16" o.c. (406 mm) staggered 8" o.c. (203 mm). Single 6" (152 mm) plate. Rating also applies with 5/8" (15.9 mm) Fire-Shield Kal-Kore plaster base.	51	NGC 2377
10	2 hr.		FM GA	Based on WP-360 WP 3820	5/8" (15.9 mm) Fire-Shield Wallboard base layer applied vertically, nailed 24" o.c. (610 mm). Face layer 5/8" (15.9 mm) Fire-Shield Wallboard applied horizontally, nailed 8" o.c. (203 mm). Double row of 2 x 4 (38 mm x 89 mm) wood studs 16" o.c. (406 mm) on separate plates, sound rating with 3 1/2" (88.9 mm) mineral wool or glass fiber in cavity. Rating also applies with 5/8" (15.9 mm) Fire-Shield Kal-Kore plaster base.	58	NGC 3056
11	2 hr.		UL	U301	Two layers of 5/8" (15.9 mm) Fire-Shield Gypsum Wallboard or 5/8" (15.9 mm) Fire-Shield Kal-Kore plaster base nail applied to 2 x 4 (38 mm x 89 mm) wood studs spaced 16" o.c. (406 mm). Boards may be applied horizontally or vertically with all joints staggered.	40	NGC 2363
<b>EXTERIOR WALLS</b>							
12	2 hr.		UL GA	U302 WP 8410	Two layers 5/8" (15.9 mm) Fire-Shield Gypsum Wallboard nailed horizontally or vertically to inside face of 2 x 4 (38 mm x 89 mm) wood studs 16" o.c. (406 mm). 1/2" (12.7 mm) gypsum sheathing nailed to outside face of studs, brick veneer facing.		
13	1 hr.		UL GA	Based on U305 WP 8105	5/8" (15.9 mm) Fire-Shield Gypsum Wallboard nailed horizontally or vertically to inside face of 2 x 4 (38 mm x 89 mm) wood studs 16" o.c. (406 mm). 5/8" (15.9 mm) Fire-Shield Gypsum Sheathing nailed vertically to outside face of studs 7" o.c. (178 mm) in field, 4" o.c. (102 mm) perimeter. Exterior cladding attached through sheathing to studs.		

## QUICK SELECTOR FOR FIRE AND SOUND RATED SYSTEMS

### Gypsum Wallboard Partitions-Wood Framing (load-bearing) (cont'd) (CAD FILE NAME **GOLDH.DWG** OR **GOLDH.DXF**)

No.	Fire Rating		Ref.	Design No.	Description	STC	Test No.
<b>FIRE – SOUND</b>							
14	1 hr.		WHI	651-0319	5/8" (15.9 mm) Fire-Shield C Wallboard horizontally nailed to one side of horizontal 2 x 4 (38 mm x 89 mm) girts spaced 24" o.c. on 6 x 6 wood columns spaced 8'-0" o.c. Metal cladding vertically screw attached to exterior horizontal girts with 3" thick mineral fiber insulation nailed to interior of exterior girts.		
15	2 hr.		UL	U371	Two layers 5/8" (15.9 mm) Fire-Shield Wallboard screw attached horizontally or vertically to inside face of 2 x 4 (38 mm x 89 mm) wood studs spaced 16" o.c. 5/8" (15.9 mm) Fire-Shield Gypsum Sheathing nail or screw attached horizontally to outside of studs. Portland Cement Stucco facing. 3" (76 mm) mineral wool in stud cavity.		