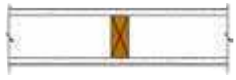
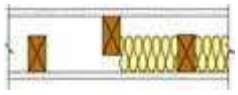
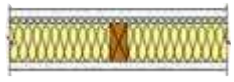
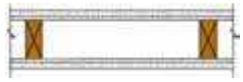
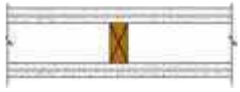
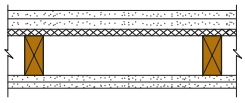
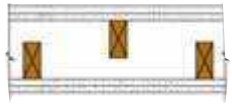
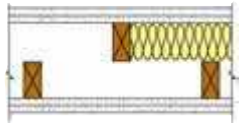
Gypsum Wallboard Partitions-Wood Framing (load-bearing) (CAD FILE NAME GOLDH.DWG OR GOLDH.DXF)

No.	Fire Rating	Ref.	Design No.	Description	STC	Test No.
	FIRE – SOUND					
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

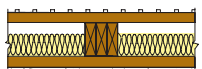
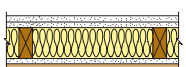
QUICK SELECTOR FOR FIRE AND SOUND RATED SYSTEMS

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.
		FIRE – SOUND					
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
EXTERIOR WALLS							
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	FIRE – SOUND	Ref.	Design No.	Description	STC	Test No.
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.		