

Gypsum Board Partitions - Shaftwalls

1 Hour FIRE	Design #	GA File #	STC - 37	
	UL U499	WP 6905	Sound Test #	NGC - 2001003

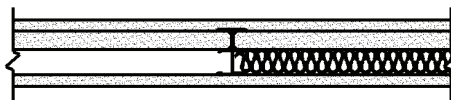


[Link to .PDF file](#)
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1" (25.4 mm) x 24" Fire-Shield Shaftliner installed between flanges of 2-1/2" steel I-studs, C-H studs, or C-T studs 24" o.c. 5/8" (15.9 mm) Fire-Shield Gypsum Board applied horizontally or vertically to studs with 1" type S screws at 12" o.c. on side opposite shaftliner panel.

Sound test with 1-1/2" mineral wool or fiberglass insulation in stud cavity = STC 42 ([NGC-2542](#)).

2 Hour FIRE	Design #	GA File #	STC - 40	
	UL U498	WP 7079	Sound Test #	NGC - 2618

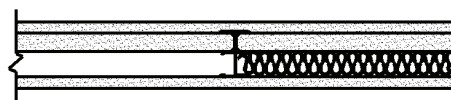


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1" (25.4 mm) x 24" Fire-Shield Shaftliner installed between flanges of 2-1/2" steel I-studs, C-H studs, or C-T studs 24" o.c. 1/2" (12.7 mm) Fire-Shield C Gypsum Board applied horizontally or vertically to each side with 1" type S screws at 12" o.c.

Sound test with 1-1/2" mineral wool or fiberglass insulation in stud cavity = STC 45 ([NGC-2617](#)).

2 Hour FIRE	Design #	GA File #	STC - 40	
	UL U429	WP 7084	Sound Test #	Based on NGC - 2618

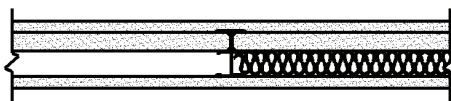


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1" (25.4 mm) x 24" Fire-Shield Shaftliner installed between flanges of 2-1/2" steel I-studs, C-H studs, or C-T studs 24" o.c. 1/2" (12.7 mm) Fire-Shield C Gypsum Board applied horizontally or vertically to each side with 1" type S screws at 12" o.c.

Sound test with 1-1/2" mineral wool or fiberglass insulation in stud cavity = STC 45 ([NGC-2617](#)).

2 Hour FIRE	Design #	GA File #	STC - 40	
	UL U498	WP 7077	Sound Test #	Based on NGC - 2618



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1" (25.4 mm) x 24" Fire-Shield Shaftliner installed between flanges of 2-1/2" steel I-studs, C-H studs, or C-T studs 24" o.c. 5/8" (15.9 mm) Fire-Shield Gypsum Board applied horizontally to each side with 1" type S screws at 12" o.c.

Sound test with 1-1/2" mineral wool or fiberglass insulation in stud cavity = STC 48 ([NGC-2543](#)).

Gypsum Board Partitions - Shaftwalls (Continued)

2 Hour FIRE	Design #	GA File #	STC - 50	
	UL U498	WP 7062	Sound Test #	Based on NGC - 2610

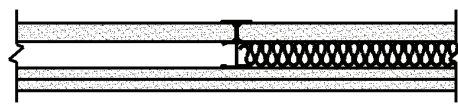


[Link to .PDF file](#)
[Link to .DWG file](#)
[Link to .DWG/Text file](#)

1" (25.4 mm) x 24" Fire-Shield Shaftliner installed between flanges of 2-1/2" steel I-studs, C-H studs, or C-T studs 24" o.c. 1/2" (12.7 mm) Fire-Shield C Gypsum Board applied horizontally or vertically to one side with 1" type S screws at 12" o.c.

Opposite side: Resilient Furring Channels applied horizontally to studs with 1/2" type S panhead screws fastened into studs. Channels spaced maximum 24" o.c. 1/2" Fire-Shield C Gypsum Board applied vertically to resilient furring channels with 1" type S screws at 12" o.c. Sound test with 1-1/2" mineral wool or fiberglass insulation in stud cavity.

2 Hour FIRE	Design #	GA File #	STC - 40	
	UL U497	WP 7080	Sound Test #	NGC - 2615

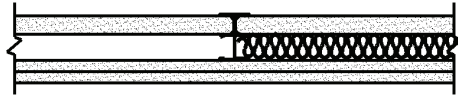


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[Link to .DWG/Text file](#)

1" (25.4 mm) x 24" Fire-Shield Shaftliner installed between flanges of 2-1/2" steel I-studs, C-H studs, or C-T studs 24" o.c. Base layer 1/2" (12.7 mm) Fire-Shield C Gypsum Board applied horizontally to studs on side opposite shaftliner panel with 1" type S screws 24" o.c. Face layer 1/2" Fire-Shield C Gypsum Board applied horizontally or vertically with 1-5/8" type S screws 12" o.c. Joints staggered between layers.

Sound test with 1-1/2" mineral wool or fiberglass insulation in stud cavity = STC 47 ([NGC-2616](#)).

2 Hour FIRE	Design #	GA File #	STC - 40	
	UL U428	WP 7051	Sound Test #	Based on NGC - 2615

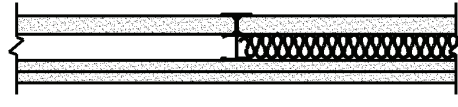


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[Link to .DWG/Text file](#)

1" (25.4 mm) x 24" Fire-Shield Shaftliner installed between flanges of 2-1/2" steel I-studs, C-H studs, or C-T studs 24" o.c. Base layer 1/2" (12.7 mm) Fire-Shield C Gypsum Board applied horizontally to studs on side opposite shaftliner panel with 1" type S screws 24" o.c. Face layer 1/2" Fire-Shield C Gypsum Board applied vertically with 1-5/8" type S screws 12" o.c. Joints staggered between layers.

Sound test with 1-1/2" mineral wool or fiberglass insulation in stud cavity = STC 47 ([NGC-2616](#)).

2 Hour FIRE	Design #	GA File #	STC - 41	
	UL U497	WP 7076	Sound Test #	Based on NGC - 2508

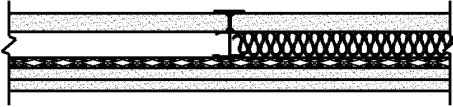


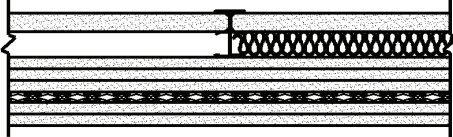
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[Link to .DWG file](#)
[Link to .DWG/Text file](#)

1" (25.4 mm) x 24" Fire-Shield Shaftliner installed between flanges of 2-1/2" steel I-studs, C-H studs, or C-T studs 24" o.c. Base layer 5/8" (15.9 mm) Fire-Shield Gypsum Board applied horizontally or vertically to studs on side opposite shaftliner panel with 1" type S screws 24" o.c. Face layer 5/8" Fire-Shield Gypsum Board applied horizontally with 1-5/8" type S screws 12" o.c. Joints staggered between layers.

Sound test with 1-1/2" mineral wool or fiberglass insulation in stud cavity = STC 48 ([NGC-2507](#)).

Gypsum Board Partitions - Shaftwalls (Continued)

2 Hour FIRE	Design #	GA File #	STC - 51	
	UL U497	WP 7064	Sound Test #	NGC - 2609
 <p style="text-align: center; margin-top: 10px;"> Link to .PDF file Link to .DWG file Link to .DWG/Text file </p>		<p>1" (25.4 mm) x 24" Fire-Shield Shaftliner installed between flanges of 2-1/2" steel I-studs, C-H studs, or C-T studs 24" o.c. Resilient Furring Channels applied horizontally to studs on side opposite shaftliner panel with 1/2" type S panhead screws fastened into studs. Channels spaced maximum 24" o.c. Base layer 1/2" (12.7 mm) Fire-Shield C Gypsum Board applied vertically to resilient furring channels with 1" type S screws at 24" o.c. Face layer 1/2" Fire-Shield C Gypsum Board applied vertically with 1-5/8" type S screws 12" o.c. staggered 12" from base layer. Joints staggered between layers. Sound test with 1-1/2" mineral wool or fiberglass insulation in stud cavity.</p>		

4 Hour FIRE	Design #	GA File #	STC - 40	
	UL V451	WP 7691	Sound Test #	N/A
 <p style="text-align: center; margin-top: 10px;"> Link to .PDF file Link to .DWG file Link to .DWG/Text file </p>		<p>1" (25.4 mm) x 24" Fire-Shield Shaftliner installed between flanges of 2-1/2" steel I-studs, C-H studs, or C-T studs 24" o.c. Base layer 5/8" (15.9 mm) Fire-Shield C Gypsum Board applied vertically to studs on side opposite shaftliner panel with 1-1/8" type S screws 12" o.c. Second layer 5/8" Fire-Shield C applied vertically with 1-5/8" type S screws 12" o.c. Third layer 5/8" Fire-Shield C applied vertically to studs with 2-1/4" type S screws 12" o.c. and fastened to previous layers of gypsum board with 1-1/2" type G screws spaced 12" o.c. centered between type S screws. Furring channels applied horizontally over third layer with 2-1/4" type S screws fastened into studs. Furring channels spaced maximum 16" o.c. Fourth layer 5/8" Fire-Shield C applied vertically to furring channels with 1-1/8" type S screws 12" o.c. and 8" o.c. on horizontal joints. Finish layer 5/8" Fire-Shield C applied vertically to furring channels with 1-5/8" type S screws 12" o.c., 8" o.c. on horizontal joints, and to fourth layer with 1-1/2" type G screws 16" o.c. on vertical joints and centered between the furring channel.</p>		