


# Gypsum Board Partitions - Shaftwalls

<b>1 Hour</b> FIRE	Design #	GA File #	<b>STC - 37</b>	
	<b>UL U499</b>	<b>WP 6905</b>	Sound Test #	<a href="#">NGC - 2001003</a>

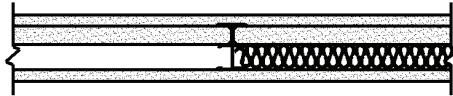


1" (25.4 mm) x 24" Fire-Shield Shaftliner installed between flanges of 2-1/2" steel I-studs, C-H studs, or C-T studs 24" o.c. 5/8" (15.9 mm) Fire-Shield Gypsum Board applied horizontally or vertically to studs with 1" type S screws at 12" o.c. on side opposite shaftliner panel.

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

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

<b>2 Hour</b> FIRE	Design #	GA File #	<b>STC - 40</b>	
	<b>UL U498</b>	<b>WP 7079</b>	Sound Test #	<a href="#">NGC - 2618</a>

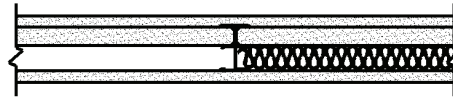


1" (25.4 mm) x 24" Fire-Shield Shaftliner installed between flanges of 2-1/2" steel I-studs, C-H studs, or C-T studs 24" o.c. 1/2" (12.7 mm) Fire-Shield C Gypsum Board applied horizontally or vertically to each side with 1" type S screws at 12" o.c.

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

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

<b>2 Hour</b> FIRE	Design #	GA File #	<b>STC - 40</b>	
	<b>UL U429</b>	<b>WP 7084</b>	Sound Test #	<a href="#">Based on NGC - 2618</a>

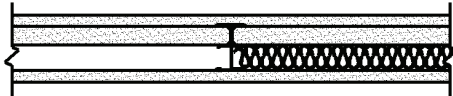


1" (25.4 mm) x 24" Fire-Shield Shaftliner installed between flanges of 2-1/2" steel I-studs, C-H studs, or C-T studs 24" o.c. 1/2" (12.7 mm) Fire-Shield C Gypsum Board applied horizontally or vertically to each side with 1" type S screws at 12" o.c.

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

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

<b>2 Hour</b> FIRE	Design #	GA File #	<b>STC - 40</b>	
	<b>UL U498</b>	<b>WP 7077</b>	Sound Test #	<a href="#">Based on NGC - 2618</a>



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](#)).

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

## Gypsum Board Partitions - Shaftwalls (Continued)

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

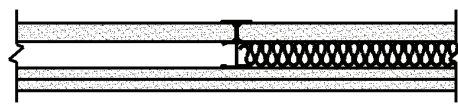


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[Link to .DWG file](#)  
[Link to .DWG/Text file](#)

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. 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.

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

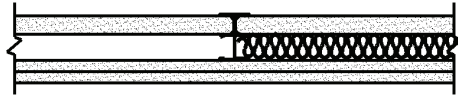


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[Link to .DWG/Text file](#)

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](#)).

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

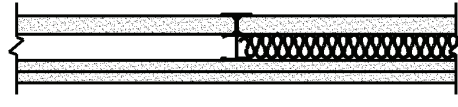


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[Link to .DWG/Text file](#)

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](#)).

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

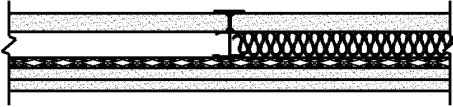


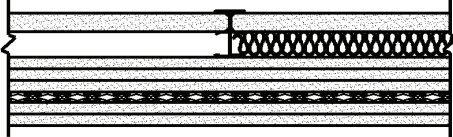
[Link to .PDF file](#)  
[Link to .DWG file](#)  
[Link to .DWG/Text file](#)

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. 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)

<b>2 Hour FIRE</b>	Design #	GA File #	<b>STC - 51</b>	
	<b>UL U497</b>	<b>WP 7064</b>	Sound Test #	NGC - 2609
 <p style="text-align: center; margin-top: 10px;"> <a href="#">Link to .PDF file</a>  <a href="#">Link to .DWG file</a>  <a href="#">Link to .DWG/Text file</a> </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>		

<b>4 Hour FIRE</b>	Design #	GA File #	<b>STC - 40</b>	
	<b>UL V451</b>	<b>WP 7691</b>	Sound Test #	N/A
 <p style="text-align: center; margin-top: 10px;"> <a href="#">Link to .PDF file</a>  <a href="#">Link to .DWG file</a>  <a href="#">Link to .DWG/Text file</a> </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>		