**Steel Stud Partitions with Framing 24" o.c.**

**STC-42**
- Framing: 3-5/8" steel studs, 25 gauge, 24" o.c.
- Insulation: None
- Side 1: 5/8" Fire-Shield Gypsum Board
- Side 2: 5/8" Fire-Shield Gypsum Board
- UL Design: V438, U465 - 1 hour

**NGC 2385**

**STC-47**
- Framing: 3-5/8" steel studs, 25 gauge, 24" o.c.
- Insulation: 2-1/2" glass fiber
- Side 1: 5/8" Fire-Shield Gypsum Board
- Side 2: 5/8" Fire-Shield Gypsum Board
- UL Design: V438, U465 - 1 hour

**NGC 2386**

**STC-44**
- Framing: 3-5/8" steel studs, **20 gauge**, 24" o.c.
- Insulation: 3-1/2" glass fiber
- Side 1: 5/8" Fire-Shield Gypsum Board
- Side 2: 5/8" Fire-Shield Gypsum Board
- UL Design: V438, U465 - 1 hour

**NGC 2013015**

**STC-55**
- Framing: 3-5/8" steel studs, **20 gauge**, 24" o.c.
- Insulation: 3-1/2" glass fiber
- Side 1: 5/8" Fire-Shield Gypsum Board
- Side 2: 5/8" SoundBreak XP Gypsum Board
- UL Design: V438, U465 - 1 hour

**OL14-0404**
Steel Stud Partitions with Framing 24” o.c.

**STC-54**  
Framing: 3-5/8" steel studs, 25 gauge, 24" o.c.  
Insulation: 3" mineral wool  
Side 1: 5/8" Fire-Shield Gypsum Board  
Side 2: 5/8" SoundBreak XP Gypsum Board  
UL Design: V438, U465 - 1 hour

**STC-49**  
Framing: 3-5/8" steel studs, 25 gauge, 24" o.c.  
Insulation: 2-1/2" glass fiber  
Side 1: 5/8" Fire-Shield Gypsum Board  
Side 2: 2 layers 5/8" Fire-Shield Gypsum Board  
UL Design: V438, U465 - 1 hour

**STC-57**  
Framing: 3-5/8" steel studs, 25 gauge, 24" o.c.  
Insulation: 3-1/2" glass fiber  
Side 1: 5/8" Fire-Shield Gypsum Board  
Side 2: 5/8" Fire-Shield Gypsum Board on 1/2" SoundBreak XP Gypsum Board  
UL Design: V438, U465 - 1 hour

**STC-56**  
Framing: 3-5/8" steel studs, 25 gauge, 24" o.c.  
Insulation: 3" glass fiber  
Side 1: 2 layers 5/8" Fire-Shield Gypsum Board  
Side 2: 2 layers 5/8" Fire-Shield Gypsum Board  
UL Design: V438, U411 - 2 hour
Steel Stud Partitions with Framing 24" o.c.

**Figure 51**

**STC-60**

Framing: 3-5/8" steel studs, 25 gauge, 24" o.c.
Insulation: 3-1/2" glass fiber
Side 1: 2 layers 5/8" Fire-Shield Gypsum Board
Side 2: 5/8" Fire-Shield Gypsum Board
UL Design: V438, U411 - 2 hour

**Figure 52**

**STC-56**

Framing: 3-5/8" steel studs, 20 gauge, 24" o.c.
Insulation: 3-1/2" glass fiber
Side 1: 2 layers 5/8" Fire-Shield Gypsum Board
Side 2: 5/8" Fire-Shield Gypsum Board
UL Design: V438, U411 - 2 hour

**Figure 53**

**STC-53**

Framing: 1-5/8" steel studs, 25 gauge, 24" o.c.
Insulation: 1-1/2" glass fiber
Side 1: 3 layers 5/8" Fire-Shield Gypsum Board
Side 2: 3 layers 5/8" Fire-Shield Gypsum Board
UL Design: U435, V438 - 3 hour

**Figure 54**

**STC-55**

Framing: 1-5/8" steel studs, 25 gauge, 24" o.c.
Insulation: 1-1/2" glass fiber
Side 1: 4 layers 5/8" Fire-Shield Gypsum Board
Side 2: 4 layers 5/8" Fire-Shield Gypsum Board
UL Design: U435, V438 - 4 hour

**NGC 2013018**

Framing: 3-5/8" steel studs, 20 gauge, 24" o.c.
Insulation: 3-1/2" glass fiber
Side 1: 2 layers 5/8" Fire-Shield Gypsum Board
Side 2: 5/8" Fire-Shield Gypsum Board
UL Design: V438, U411 - 2 hour

**NGC 2636**

Framing: 1-5/8" steel studs, 25 gauge, 24" o.c.
Insulation: 1-1/2" glass fiber
Side 1: 3 layers 5/8" Fire-Shield Gypsum Board
Side 2: 3 layers 5/8" Fire-Shield Gypsum Board
UL Design: U435, V438 - 3 hour

**NGC 2634**

Framing: 1-5/8" steel studs, 25 gauge, 24" o.c.
Insulation: 1-1/2" glass fiber
Side 1: 4 layers 5/8" Fire-Shield Gypsum Board
Side 2: 4 layers 5/8" Fire-Shield Gypsum Board
UL Design: U435, V438 - 4 hour
Steel Stud Partitions with Framing 24" o.c.

**STC-49**  
Framing: 3-5/8" steel studs, 25 gauge, 24" o.c.  
Insulation: 3-1/2" glass fiber  
Side 1: 5/8" Fire-Shield Gypsum Board  
Side 2: 5/8" Fire-Shield Gypsum Board on RC-1  
UL Design: V438, U465 - 1 hour

**STC-50**  
Framing: 3-5/8" steel studs, **20 gauge**, 24" o.c.  
Insulation: 3-1/2" glass fiber  
Side 1: 5/8" Fire-Shield Gypsum Board  
Side 2: 5/8" Fire-Shield Gypsum Board on RC-1  
UL Design: V438, U465 - 1 hour

**STC-54**  
Framing: 3-5/8" steel studs, **20 gauge**, 24" o.c.  
Insulation: 3-1/2" glass fiber  
Side 1: 5/8" SoundBreak XP Gypsum Board  
Side 2: 5/8" Fire-Shield Gypsum Board on RC-1  
UL Design: V438, U465 - 1 hour

**STC-56**  
Framing: 6" steel studs, **20 gauge**, 24" o.c.  
Insulation: 6" glass fiber  
Side 1: 5/8" Fire-Shield Gypsum Board  
Side 2: 5/8" SoundBreak XP Gypsum Board  
UL Design: V438, U465 - 1 hour
Steel Stud Partitions with Framing 24" o.c.

**STC-57**
- Framing: 6" steel studs, 25 gauge, 24" o.c.
- Insulation: 6" glass fiber
- Side 1: 5/8" Fire-Shield Gypsum Board
- Side 2: 5/8" Fire-Shield Gypsum Board on 5/8" SoundBreak XP Gypsum Board
- UL Design: V438, U465 - 1 hour

**STC-61**
- Framing: 6" steel studs, 25 gauge, 24" o.c.
- Insulation: 6" glass fiber
- Side 1: 2 layers 5/8" Fire-Shield Gypsum Board
- Side 2: 5/8" Fire-Shield Gypsum Board on 5/8" SoundBreak XP Gypsum Board
- UL Design: V438, U411 - 2 hour

**STC-57**
- Framing: 8" steel studs, **18 gauge**, 24" o.c.
- Insulation: 6-1/4" glass fiber
- Side 1: 3 layers Fire-Shield Gypsum Board
- Side 2: 5/8" Fire-Shield Gypsum Board on 5/8" SoundBreak XP Gypsum Board
- UL Design: U411 - 2 hour

**STC-66**
- Framing: 6" steel studs, **18 gauge**, 24" o.c., staggered in 8" track
- Insulation: 6-1/4" glass fiber
- Side 1: 3 layers Fire-Shield Gypsum Board
- Side 2: 5/8" Fire-Shield Gypsum Board on 5/8" SoundBreak XP Gypsum Board
- UL Design: U411 - 2 hour
Steel Stud Partitions with Framing 24" o.c.

Figure 63

STC-52        NGC 2002039
Framing: 6" steel studs, 25 gauge, 24" o.c.
Insulation: 6" glass fiber
Side 1: 5/8" Fire-Shield C Gypsum Board
Side 2: 5/8" Fire-Shield C Gypsum Board on RC-1

UL Design: V438, U465 - 1 hour
Steel Stud Partitions with Framing 24" o.c.

**STC-38**
- Framing: 3-5/8" steel studs, 25 gauge, 24" o.c.
- Insulation: None
- Side 1: 5/8" Fire-Shield LITE Gypsum Board
- Side 2: 5/8" Fire-Shield LITE Gypsum Board
- UL Design: V438, U465 - 1 hour

**STC-36**
- Framing: 3-5/8" steel studs, 25 gauge, 24" o.c.
- Insulation: None
- Side 1: 5/8" Fire-Shield LITE 30 Gypsum Board
- Side 2: 5/8" Fire-Shield LITE 30 Gypsum Board
- UL Design: W411 - 1/2 hour

**STC-44**
- Framing: 3-5/8" steel studs, 25 gauge, 24" o.c.
- Insulation: 3-1/2" glass fiber
- Side 1: 5/8" Fire-Shield LITE Gypsum Board
- Side 2: 5/8" Fire-Shield LITE Gypsum Board
- UL Design: V438, U465 - 1 hour

**STC-46**
- Framing: 3-5/8" steel studs, 25 gauge, 24" o.c.
- Insulation: 3-1/2" glass fiber
- Side 1: 5/8" Fire-Shield LITE 30 Gypsum Board
- Side 2: 5/8" Fire-Shield LITE 30 Gypsum Board
- UL Design: W411 - 1/2 hour
**Steel Stud Partitions with Framing 24" o.c.**

**Figure 68**

**STC-54**

<table>
<thead>
<tr>
<th>Frame</th>
<th>Insulation</th>
<th>Side 1</th>
<th>Side 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-5/8&quot; steel studs, 25 gauge, 24&quot; o.c.</td>
<td>3-1/2&quot; glass fiber</td>
<td>2 layers 5/8&quot; Fire-Shield LITE Gypsum Board</td>
<td>2 layers 5/8&quot; Fire-Shield LITE Gypsum Board</td>
</tr>
</tbody>
</table>

UL Design: V438, U411 - 2 hour

**Figure 70**

**STC-54**

<table>
<thead>
<tr>
<th>Frame</th>
<th>Insulation</th>
<th>Side 1</th>
<th>Side 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-5/8&quot; steel studs, 25 gauge, 24&quot; o.c.</td>
<td>3-1/2&quot; glass fiber</td>
<td>2 layers 5/8&quot; Fire-Shield LITE 30 Gypsum Board</td>
<td>2 layers 5/8&quot; Fire-Shield LITE 30 Gypsum Board</td>
</tr>
</tbody>
</table>

UL Design: W411 - 1 hour

**Figure 69**

**STC-50**

<table>
<thead>
<tr>
<th>Frame</th>
<th>Insulation</th>
<th>Side 1</th>
<th>Side 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-5/8&quot; steel studs, 25 gauge, 24&quot; o.c.</td>
<td>3-1/2&quot; glass fiber</td>
<td>5/8&quot; Fire-Shield LITE Gypsum Board</td>
<td>5/8&quot; Fire-Shield LITE Gypsum Board on RC-1</td>
</tr>
</tbody>
</table>

UL Design: V438, U465 - 1 hour

**Figure 71**

**STC-49**

<table>
<thead>
<tr>
<th>Frame</th>
<th>Insulation</th>
<th>Side 1</th>
<th>Side 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-5/8&quot; steel studs, 25 gauge, 24&quot; o.c.</td>
<td>3-1/2&quot; glass fiber</td>
<td>5/8&quot; Fire-Shield LITE 30 Gypsum Board</td>
<td>5/8&quot; Fire-Shield LITE 30 Gypsum Board on RC-1</td>
</tr>
</tbody>
</table>

UL Design: W411 - 1/2 hour

**NGC 2014017**

**NGC 2014008**

**NGC 2014016**

**NGC 2014007**