Steel Stud Partitions with Framing 16" o.c.

**Figure 1**

**STC-34**
- **Framing:** 3-5/8" steel studs, **20 gauge**, 16" o.c.
- **Insulation:** 3-1/2" glass fiber
- **Side 1:** None
- **Side 2:** 5/8" Fire-Shield Gypsum Board
- **UL Design:** Not Rated

**Figure 2**

**STC-38**
- **Framing:** 3-5/8" steel studs, **20 gauge**, 16" o.c.
- **Insulation:** 3-1/2" glass fiber
- **Side 1:** None
- **Side 2:** 2 layers 5/8" Fire-Shield Gypsum Board
- **UL Design:** V497 - 1 hour

**Figure 3**

**STC-40**
- **Framing:** 3-5/8" steel studs, 25 gauge, 16" 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

**Figure 4**

**STC-44**
- **Framing:** 3-5/8" steel studs, 25 gauge, 16" 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
Steel Stud Partitions with Framing 16" o.c.

**STC-40**
- Framing: 3-5/8" steel studs, **20 gauge**, 16" 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 2013004

**STC-49**
- Framing: 3-5/8" steel studs, 25 gauge, 16" 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

NGC 2009058

**STC-45**
- Framing: 3-5/8" steel studs, **20 gauge**, 16" 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

NGC 2013005

**STC-49**
- Framing: 3-5/8" steel studs, 25 gauge, 16" 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

NGC 2515
Steel Stud Partitions with Framing 16" o.c.

**STC-52**
Framing: 3-5/8" steel studs, 25 gauge, 16" 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 5/8" SoundBreak XP Gypsum Board
UL Design: V438, U465 - 1 hour

**STC-46**
Framing: 3-5/8" steel studs, 20 gauge, 16" 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 5/8" SoundBreak XP Gypsum Board
UL Design: V438, U465 - 1 hour

**STC-53**
Framing: 3-5/8" steel studs, 25 gauge, 16" o.c.
Insulation: 2-1/2" 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

**STC-50**
Framing: 3-5/8" steel studs, 20 gauge, 16" 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 on 5/8" SoundBreak XP Gypsum Board
UL Design: V438, U411 - 2 hour
Steel Stud Partitions with Framing 16" o.c.

**STC-48**

Framing: 3-5/8" steel studs, 25 gauge, 16" 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

**NGC 2009059**

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**STC-49**

Framing: 3-5/8" steel studs, **20 gauge**, 16" 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

**NGC 2013008**

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**STC-47**

Framing: 3-5/8" steel studs, **16 gauge**, 16" 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

**NGC 2014086**

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**STC-52**

Framing: 3-5/8" steel studs, **20 gauge**, 16" 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

**NGC 2013009**
Steel Stud Partitions with Framing 16" o.c.

**STC-51**  
Framing: 3-5/8" steel studs, **16 gauge**, 16" 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-59**  
Framing: 3-5/8" steel studs, **16 gauge**, 16" o.c.  
Insulation: 3-1/2" glass fiber  
Side 1: 5/8" Fire-Shield Gypsum Board on  
5/8" SoundBreak XP Gypsum Board  
Side 2: 2 layers 5/8" Fire-Shield Gypsum Board on RC-1  
UL Design: V438 - 2 hour

**STC-37**  
Framing: 6" steel studs, **20 gauge**, 16" o.c.  
Insulation: 0" glass fiber  
Side 1: None  
Side 2: 5/8" Fire-Shield Gypsum Board  
UL Design: Not Rated

**STC-40**  
Framing: 6" steel studs, **20 gauge**, 16" o.c.  
Insulation: 6" glass fiber  
Side 1: 5/8" Fire-Shield Gypsum Board  
Side 2: 5/8" Fire-Shield Gypsum Board  
UL Design: V438, U465 - 1 hour
Steel Stud Partitions with Framing 16" o.c.

STC-45  NGC 2013023
Framing: 6" steel studs, 20 gauge, 16" 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

STC-49  NGC 2015007
Framing: 6" steel studs, 16 gauge, 16" 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

STC-49  NGC 2013024
Framing: 6" steel studs, 20 gauge, 16" 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-51  NGC 2013025
Framing: 6" steel studs, 20 gauge, 16" 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
Steel Stud Partitions with Framing 16" o.c.

**STC-53**
Framing: 6" steel studs, **20 gauge**, 16" o.c.
Insulation: 6" 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: 6" steel studs, **16 gauge**, 16" o.c.
Insulation: 6" 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-57**
Framing: 6" steel studs, **20 gauge**, 16" 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-55**
Framing: 6" steel studs, **16 gauge**, 16" 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
Steel Stud Partitions with Framing 16" o.c.

Figure 29

STC-61

Framing: 6" steel studs, **16 gauge**, 16" o.c.
Insulation: 6" glass fiber
Side 1: 5/8" Fire-Shield Gypsum Board on
       5/8" SoundBreak XP Gypsum Board
Side 2: 2 layers 5/8" Fire-Shield Gypsum Board on RC-1
UL Design: V438 - 2 hour
Steel Stud Partitions with Framing 16" o.c.

**STC-38**
- Framing: 3-5/8" steel studs, 25 gauge, 16" 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

**NGC 2014019**

**STC-37**
- Framing: 3-5/8" steel studs, 20 gauge, 16" 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

**NGC 2014023**

**STC-35**
- Framing: 3-5/8" steel studs, **20 gauge**, 16" 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

**NGC 2014011**

**STC-41**
- Framing: 3-5/8" steel studs, 25 gauge, 16" 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

**NGC 2014018**
Steel Stud Partitions with Framing 16" o.c.

**STC-41 NGC 2014022**
Framing: 3-5/8" steel studs, **20 gauge**, 16" 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-38 NGC 2014009**
Framing: 3-5/8" steel studs, 25 gauge, 16" 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

**STC-39 NGC 2014010**
Framing: 3-5/8" steel studs, **20 gauge**, 16" 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

**STC-50 NGC 2014021**
Framing: 3-5/8" steel studs, 25 gauge, 16" o.c.
Insulation: 3-1/2" glass fiber
Side 1: 2 layers 5/8" Fire-Shield LITE Gypsum Board
Side 2: 2 layers 5/8" Fire-Shield LITE Gypsum Board
UL Design: V438, U411 - 2 hour
Steel Stud Partitions with Framing 16" o.c.

**STC-52**
- Framing: 3-5/8" steel studs, **20 gauge**, 16" o.c.
- Insulation: 3-1/2" glass fiber
- Side 1: 2 layers 5/8" Fire-Shield LITE Gypsum Board
- Side 2: 2 layers 5/8" Fire-Shield LITE Gypsum Board
- UL Design: V438, U411 - 2 hour

**NGC 2014025**

**STC-44**
- Framing: 3-5/8" steel studs, **20 gauge**, 16" o.c.
- Insulation: 3-1/2" glass fiber
- Side 1: 2 layers 5/8" Fire-Shield LITE 30 Gypsum Board
- Side 2: 2 layers 5/8" Fire-Shield LITE 30 Gypsum Board
- UL Design: W411 - 1 hour

**NGC 2014013**

**STC-49**
- Framing: 3-5/8" steel studs, **25 gauge**, 16" 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 on RC-1
- UL Design: V438, U465 - 1 hour

**NGC 2014020**

**STC-49**
- Framing: 3-5/8" steel studs, **20 gauge**, 16" 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 on RC-1
- UL Design: V438, U465 - 1 hour

**NGC 2014024**
Steel Stud Partitions with Framing 16" o.c.

Figure 42

STC-45  NGC 2014012
Framing: 3-5/8" steel studs, 20 gauge, 16" 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 on RC-1

UL Design: W411 - 1/2 hour