SOUND RATINGS FOR 1 HOUR PARTITIONS

5/8" FIRE-SHIELD GYPSUM BOARD  
3 5/8" 25GA. STEEL STUDS 16" O.C.  
3 1/2" GLASS FIBER INSULATION  
5/8" FIRE-SHIELD GYPSUM BOARD

UL DESIGN: U465, V438

5/8" FIRE-SHIELD GYPSUM BOARD  
3 5/8" 25GA. STEEL STUDS 16" O.C.  
3 1/2" GLASS FIBER INSULATION  
5/8" SOUNDBREAK XP GYPSUM BOARD

STC 43  
TEST: NGC 2502

5/8" FIRE-SHIELD GYPSUM BOARD  
3 5/8" 25GA. STEEL STUDS 16" O.C.  
3 1/2" GLASS FIBER INSULATION  
5/8" FIRE-SHIELD GYPSUM BOARD

STC 49  
TEST: NGC2009058

5/8" FIRE-SHIELD GYPSUM BOARD  
3 5/8" 25GA. STEEL STUDS 16" O.C.  
3 1/2" GLASS FIBER INSULATION  
5/8" FIRE-SHIELD GYPSUM BOARD  
5/8" FIRE-SHIELD GYPSUM BOARD

STC 52  
TEST: RAL-TL07-148

5/8" FIRE-SHIELD GYPSUM BOARD  
3 5/8" 25GA. STEEL STUDS 24" O.C.  
2 1/2" GLASS FIBER INSULATION  
5/8" FIRE-SHIELD GYPSUM BOARD

STC 47  
TEST: NGC 2386

5/8" FIRE-SHIELD GYPSUM BOARD  
3 5/8" 25GA. STEEL STUDS 24" O.C.  
3" MINERAL FIBER INSULATION  
5/8" SOUNDBREAK XP GYPSUM BOARD

STC 54  
TEST: RAL-TL07-389

5/8" FIRE-SHIELD GYPSUM BOARD  
3 5/8" 25GA. STEEL STUDS 24" O.C.  
3 1/2" GLASS FIBER INSULATION  
1/2" SOUNDBREAK XP GYPSUM BOARD  
5/8" FIRE-SHIELD GYPSUM BOARD

STC 57  
TEST: RAL-TL06-334
SOUND RATINGS FOR 2 HOUR PARTITIONS

2 LAYERS 5/8" FIRE-SHIELD GYPSUM BOARD
3 5/8" 25GA. STEEL STUDS 16" O.C.
3 1/2" GLASS FIBER INSULATION
2 LAYERS 5/8" FIRE-SHIELD GYPSUM BOARD

STC 50
TEST: NGC 2007002

2 LAYERS 5/8" FIRE-SHIELD GYPSUM BOARD
3 5/8" 25GA. STEEL STUDS 24" O.C.
3 1/2" GLASS FIBER INSULATION
2 LAYERS 5/8" FIRE-SHIELD GYPSUM BOARD

STC 53
TEST: NGC 2007002

2 LAYERS 5/8" FIRE-SHIELD GYPSUM BOARD
3 5/8" 25GA. STEEL STUDS 24" O.C.
3" MINERAL FIBER INSULATION
2 LAYERS 5/8" FIRE-SHIELD GYPSUM BOARD

STC 56
TEST: NGC 3022

2 LAYERS 5/8" FIRE-SHIELD GYPSUM BOARD
3 5/8" 25GA. STEEL STUDS 24" O.C.
3 1/2" GLASS FIBER INSULATION
5/8" FIRE-SHIELD GYPSUM BOARD
5/8" SOUNDBREAK XP GYPSUM BOARD

STC 60
TEST: RAL-TL07-168

DATE: 09/01/18
SCALE: 1 1/2"=1'-0"
DETAIL: SN 102

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**Sound Ratings for Shaftwall Partitions**

**UL DESIGN: U498, W419**

1" Fire-Shield Shaftliner  
2 1/2" 25GA. CT, CH, or I Studs 24" O.C.  
1 1/2" Glass Fiber Insulation  
5/8" Fire-Shield Gypsum Board

**STC 42**  
TEST: NGC 2542

**UL DESIGN: U497, W419**

1" Fire-Shield Shaftliner  
2 1/2" 25GA. CT, CH, or I Studs 24" O.C.  
1 1/2" Glass Fiber Insulation  
1/2" Resilient Channel 24" O.C.  
5/8" Fire-Shield Gypsum Board

**STC 48**  
TEST: NGC 2541

**UL DESIGN: U497, W419**

1" Fire-Shield Shaftliner  
2 1/2" 25GA. CT, CH, or I Studs 24" O.C.  
1 1/2" Glass Fiber Insulation  
2 Layers 5/8" Fire-Shield Gypsum Board

**STC 48**  
TEST: NGC 2507

**UL DESIGN: U498, W419**

5/8" Fire-Shield Gypsum Board  
1" Fire-Shield Shaftliner  
2 1/2" 25GA. CT, CH, or I Studs 24" O.C.  
1 1/2" Glass Fiber Insulation  
5/8" Fire-Shield Gypsum Board

**STC 48**  
TEST: NGC 2534

**UL DESIGN: U498, W419**

5/8" Fire-Shield Gypsum Board  
1" Fire-Shield Shaftliner  
2 1/2" 25GA. CT, CH, or I Studs 24" O.C.  
1 1/2" Glass Fiber Insulation  
1/2" Resilient Channel 24" O.C.  
5/8" Fire-Shield Gypsum Board

**STC 52**  
TEST: NGC 2538

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**DATE: 09/01/18**  
**SCALE: 1 1/2"=1'-0"**  
**DETAIL: SN 103**  

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