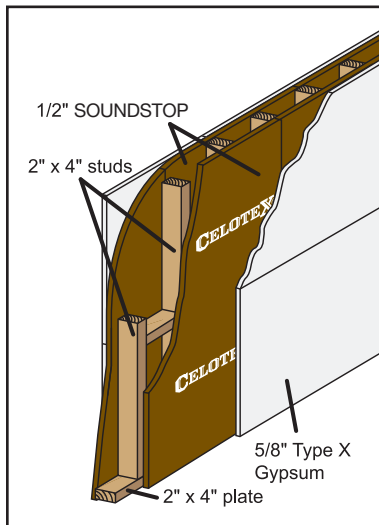


# HEAR THE SOUNDSTOP® DIFFERENCE

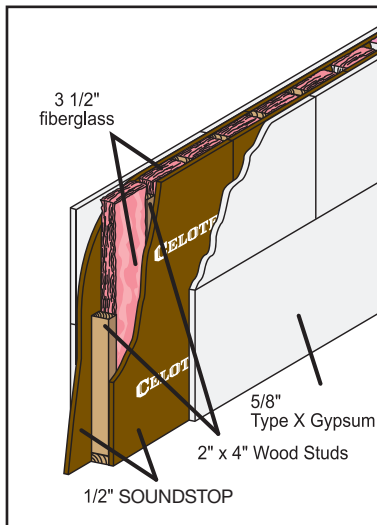
## Sound Deadening Systems Selector

### STC 50



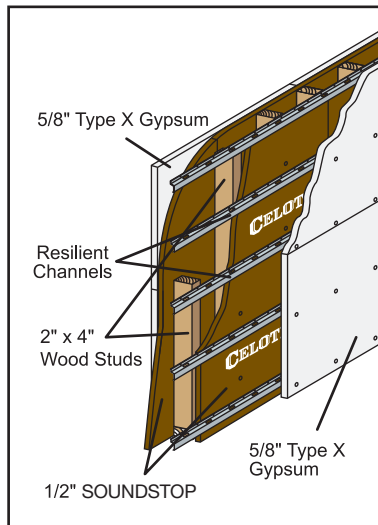
Basic Application of SOUNDSTOP + 5/8" Drywall

### STC up to 54



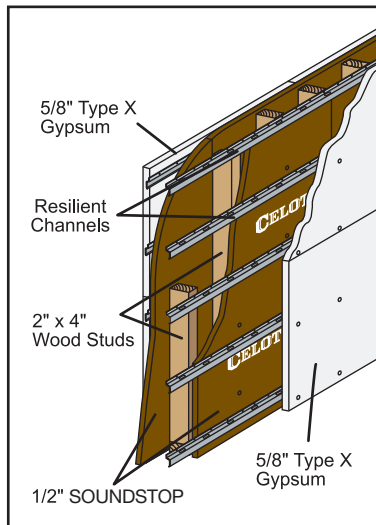
Basic Application of SOUNDSTOP + 5/8" Drywall + Fiberglass Batts

### STC up to 54



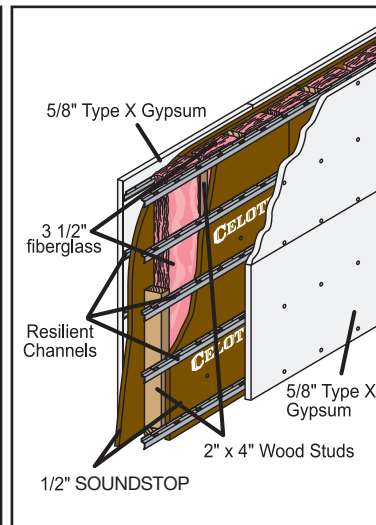
Basic Application of SOUNDSTOP + 5/8" Drywall + Resilient Channels, 1 side

### STC up to 57



Basic Application of SOUNDSTOP + 5/8" Drywall + Resilient Channels, 2 sides

### STC up to 60








Basic Application of SOUNDSTOP + 5/8" Drywall + Fiberglass Batts + Resilient Channels, 2 sides

## SOUNDSTOP Achieves Sound Transmission Class (STC) Ratings Exceeding International Building Code (IBC) Requirements.

The Gypsum Association has determined the addition of fiberboard panels such as SOUNDSTOP will not have a negative impact on the fire rating of the wall system.

Basic system STC rating of 50 is derived from BLUE RIDGE FIBERBOARD data obtained under controlled test conditions in accordance with ASTM E90 (STC). Additional assemblies determined by calculating point additions for added materials, as detailed in test information. **See back for additional wall and ceiling applications.**

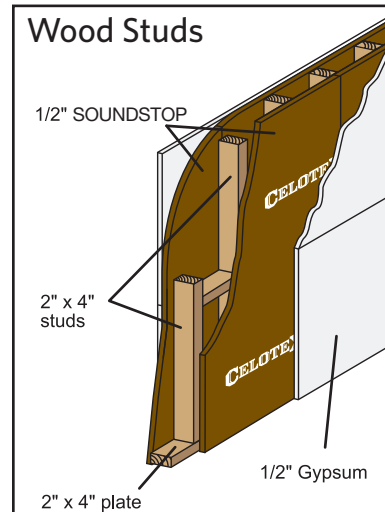
STC Rating Scale			
STC up to 60		<b>SOUNDSTOP</b> + Fiberglass Batts + Resilient Channels + 5/8" Drywall	Superior soundproofing.
<b>STC 50</b> (International Building Code (IBC) require STC of 50)*		<b>SOUNDSTOP</b> + 5/8" Drywall	Loud speech not audible. Vibration noise significantly reduced.
STC up to 44		Double Layer 5/8" Drywall	Some loud speech heard. Vibration noise not reduced.
<b>STC up to 39</b> (Privacy begins at STC of 40)		Fiberglass Batts + 5/8" Drywall	Loud speech is still heard. STC rating fairly unchanged with addition of batts. Vibration noise not reduced.
STC up to 35		Single layer 5/8" Drywall	Loud speech clearly heard. Vibration noise heard with single or double layer of drywall.

\*IBC Sections 1207.2 & 1207.3

# HEAR THE SOUNDSTOP® DIFFERENCE

## Sound Deadening Systems Selector

### STC: 46

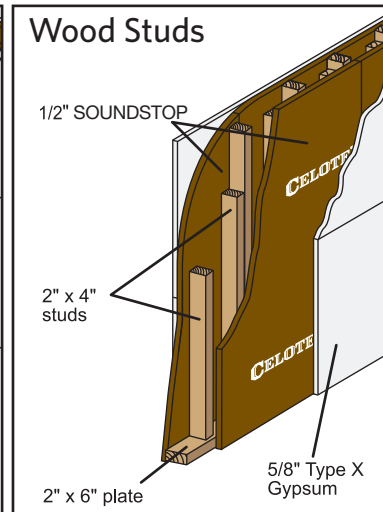


**Framing:** 2" x 4" studs, 16" o.c. 2" x 4" plates.

**Inner Board:** Vertical SOUNDSTOP on both sides. Fastened by 5d coated nails 12" o.c. at edges and intermediately, heads dimpled. Joists staggered.

**Outer Facing:** Gypsum board applied horizontally to both sides; vertical joints staggered. Joint compound applied to back of board in 6" strips (using metal spreader having 3/16" triangular notches 1/2" apart) around perimeter and along horizontal centerline. Each unit also fastened by 8d doubleheaded nails, 24" o.c. for removal after laminated cement dries overnight. Joints taped and cemented.

### STC: 51

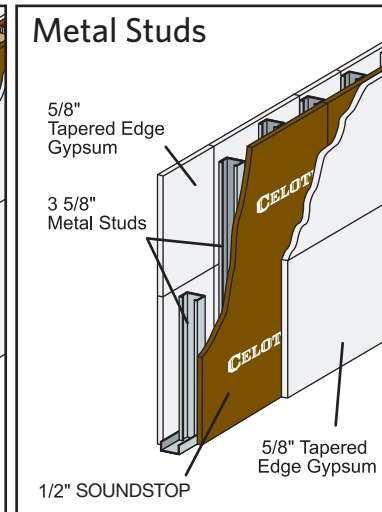


**Framing:** 2" x 4" studs, 16" o.c. staggered. 2" x 6" top and bottom plates.

**Inner Board:** 1/2" SOUNDSTOP applied vertically to outside of studs. Fastened 12" o.c. at edges and intermediately, by 5d coated nails heads dimpled.

**Outer Facing:** 5/8" Type X tapered edge gypsum board applied vertically over SOUNDSTOP; joists offset 16" to SOUNDSTOP joints. Joint compound, as laminated compound, applied to back of board 6" wide strips around perimeter, 2" from edges, and along vertical centerline. Gypsum board blocked temporarily around perimeter until compound sets. Joints taped and cemented.

### STC: 44

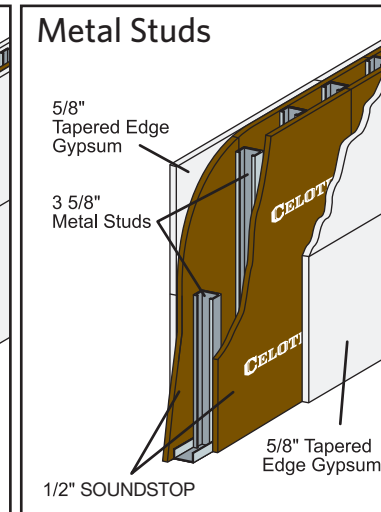


**Framing:** 3 5/8" metal stud, 24" o.c. metal tracks.

**Inner Board:** Vertical SOUNDSTOP on one side; fastened by 1" drywall screws 16" o.c. along edges and intermediately.

**Outer Facing:** 5/8" gypsum board fastened vertically on one side of studs directly to framing with 1" drywall screws 8" o.c. along edges, 12" o.c. intermediately. On other side over SOUNDSTOP, 5/8" gypsum board staggered 24" to SOUNDSTOP joints; laminated and fastened by 1 5/8" drywall screws 8" o.c. along top and bottom edges, 32" o.c. intermediately. Joints taped and cemented.

### STC: 49

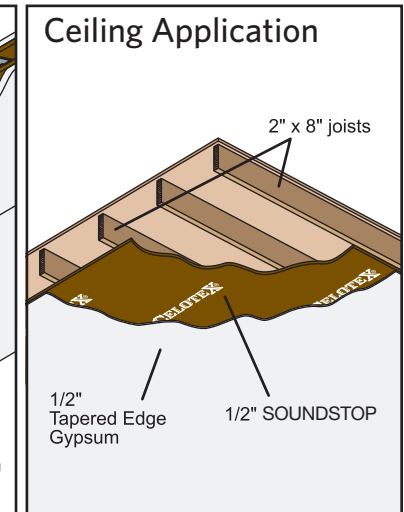


**Framing:** 3 5/8" metal stud, 24" o.c. metal track, floor and ceiling.

**Inner Board:** SOUNDSTOP applied vertically to both sides of studs; fastened with 1" drywall screws 16" o.c. along edges and intermediately.

**Outer Facing:** 5/8" tapered edge gypsum board applied vertically to both sides of studs over SOUNDSTOP, joints staggered on opposite sides and staggered 12" o.c. to SOUNDSTOP joints. Laminated and fastened with 1 5/8" drywall screws 8" o.c. along top and bottom edges, 32" o.c. intermediately. Joints taped and cemented.

### STC: 42



**Framing:** 2" x 8" joists, 16" o.c.

**Flooring:** 5/8" plywood subfloor 25/32" hardwood finish floor.

**Outer Facing:** SOUNDSTOP applied across framing. Fastened by 5d coated nails 24" o.c., along edges and intermediately, nail heads dimpled. 1/2" tapered edge gypsum board applied over SOUNDSTOP at right angles to board. Fastened by 1 3/4" GWB-54 annular ring nails with 19/64" head, 7" o.c. Joints taped and cemented.



**Danville Plant**  
250 Celotex Dr.  
Danville, VA 24541  
Toll Free: 866.850.8834  
Phone: 434.797.1321

**Customer Service**  
Toll Free: 866.850.8834

**Technical Support**  
Toll Free: 800.596.9699

[blueridgefiberboard.com](http://blueridgefiberboard.com)  
[info@blueridgefiberboard.com](mailto:info@blueridgefiberboard.com)