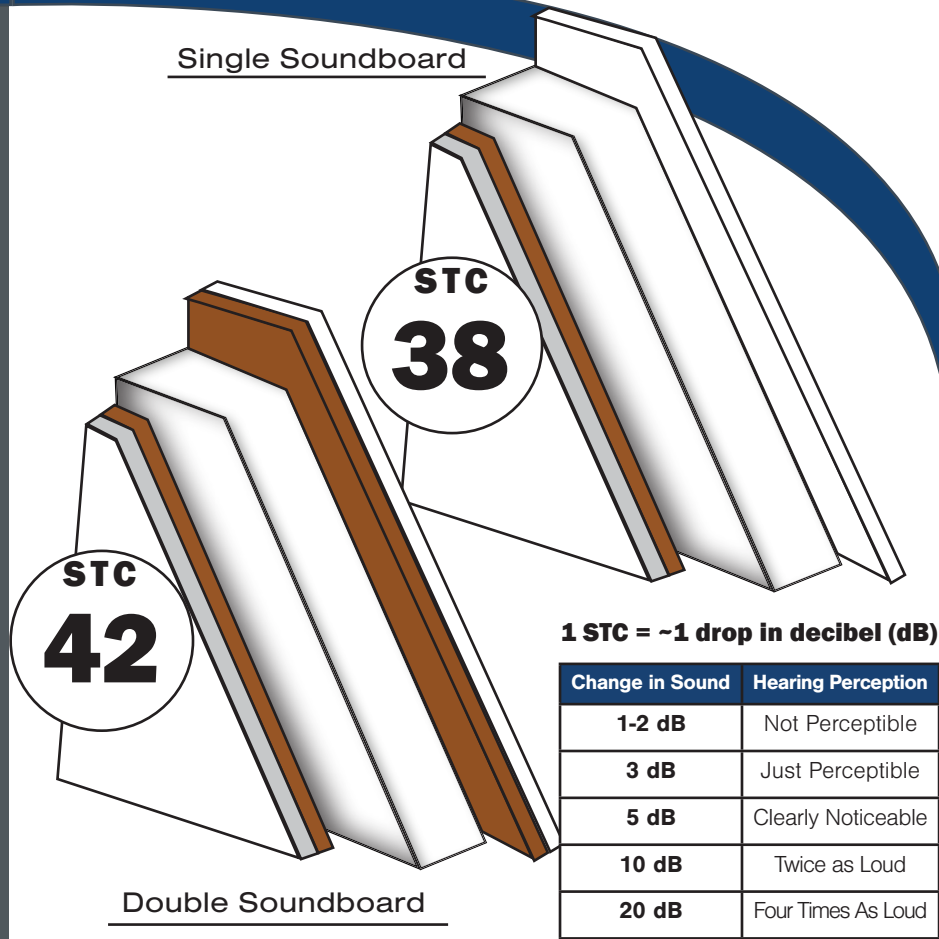


**BETTER BUILT
STRONGER BUILT
PANEL BUILT**



To best serve our customers, Panel Built has adapted our standard Vinyl-Covered Gypsum wall panel to boost its sound-deaden properties. 1/2" thick soundboards are added to the panel to increase the STC (Sound Transmission Class), reducing the noise able to pass through the building.

Soundboard Panels



Gypsum/Soundboard Panels

The walls shall be 3" thick composite sandwich panels. The outside and inside facing shall be 1/2" Class-A Fire-shield gypsum board with a vinyl finish of champagne, off-white or gray and laminated to (2) 1/2" soundboard(s). Wall panels shall be insulated to a minimum of R-11. Every 4' will have an aluminum extruded binder post with snap cover to house all the electrical components. All binder posts, window trim and doors are painted to match the wall covering.

Decibel Levels of Common Sounds

| | | | |
|---------------------|--------------|-------------------|---------------|
| Hearing Threshold | 0 dB | Motorcycle | 88 dB |
| Rustling Leaves | 20 dB | Food Blender | 90 dB |
| Quiet Home | 30 dB | Subway (inside) | 94 dB |
| Whisper (3 feet) | 40 dB | Diesel Truck | 100 dB |
| Quiet Street Corner | 50 dB | Power Mower | 107 dB |
| Inside Moving Car | 70 dB | Pneumatic Riveter | 115 dB |
| Loud Singing | 75 dB | Chainsaw | 117 dB |
| Automobile | 80 dB | Jet Plane | 130 dB |