

Tools/ materials required:

Drill

¼ inch hex head driver

Tape measure

Chalk line

¼ inch shims / spacers

Pencil or marker

Tin snips (if trimming required)

Acoustic Sealant

R19 insulation (Quiet Batt™ is recommended for best performance)

Basic rules:

- 1) isoTRAX™ spaced no more than 24 inches apart vertically
- 2) isoTRAX™ Pad spaced no more than 48 inches apart horizontally
- 3) The bottom row of isoTRAX should not exceed 6 inches from the floor.
- 4) The top row of isoTRAX should not exceed 6 inches from the ceiling.
- 5) An isoTRAX™ Pad needs to be installed at each end of the isoTRAX™.
- 6) ¼ gap at top, bottom and adjacent wall locations...to be filled with acoustic sealant.
- 7) isoTRAX™ can be cut or trimmed with a pair of tin snips

Standard construction method for an 8' high x 8' long, 16 inch on center wood stud wall

Step 1: Measuring

Please Note: These instructions serve as a guide. The responsibility for recognizing and compensating for field conditions is with the installer. Improper measuring can lead to system failure, so please take your time and double check all of your measurements.

Stand in front of open stud wall where you plan to install the IsoTRAX Sound Isolation System. Start in the lower left corner.

Measure **up 6 inches** from the floor and create a reference line. Go to the 8 ft stud in the wall assembly (bottom right corner). Measure **up 6 inches** from the floor and create another reference line. Using a Chalk Line, connect the 6 inch reference lines by snapping a line across all of the studs in the wall assembly. All of the lines should be **6 inches above** the floor.

Go to the top left corner of the wall assembly. Measure **down 3 inches** from the ceiling and create a reference line. Go to the 8 ft stud in the wall assembly (top right corner). Measure **down 3 inches** from the ceiling and create another reference line. Using a Chalk Line, connect the 3 inch reference lines by snapping a line across all of the studs in the wall assembly. All of the lines should be **3 inches below** the ceiling.

Go to the first stud of the wall assembly. Measure **up 49.5 inches** from the floor and create a reference line. Go to the 8 ft stud in the wall assembly. Measure **up 49.5 inches** from the floor and create another reference line. Using a Chalk Line, connect the 49.5 inch reference lines by snapping a line across all of the studs in the wall assembly. All of the lines should be **49.5 inches above** the floor.

Go back to the first stud of the wall assembly. Measure **up 24 inches** from the 49.5 inch line and create a reference line. Go to the 8 ft stud in the wall assembly. Measure **up 24 inches** from the 49.5 inch line and create another reference line. Using a Chalk Line, connect the

reference lines by snapping a line across all of the studs in the wall assembly. All of the lines should be **24 inches above** the 49.5 inch line.

Go back to the first stud of the wall assembly. Measure **down 24 inches** from the 49.5 inch line and create a reference line. Go to the 8 ft stud in the wall assembly. Measure **down 24 inches** from the 49.5 inch line and create another reference line. Using a Chalk Line, connect the reference lines by snapping a line across all of the studs in the wall assembly. All of the lines should be **24 inches below** the 49.5 inch line.

Step 2: isoTRAX™ Pad Placement

Again, start in the lower left corner of the wall assembly.

Peel the backing from the first isoTRAX™ Pad. Place the Pad on the stud so the top of the Pad is even with the 6 inch reference line. The top of the Pad will be 6 inches above the floor.

Proceed up the stud to the next reference line and place the isoTRAX™ Pad. Again the top of the Pad should be even with the reference line. Continue up the stud, placing Pads at every reference line.

Go to the 8 foot stud of the wall assembly and place an isoTRAX™ Pad every reference line. Make sure the top of the Pads are even with the reference lines.

Go back to the lower left hand corner of the wall assembly. Measure 48 inches from the first stud of the wall assembly. On the closest stud, place the top of the Pad at the 6 inch reference line. The first row of Pads is now installed. There should be 3 Pads installed on the first row.

Go back to the first stud and start at the second isoTRAX™ Pad up from the floor. Measure 16 inches from the first stud of the wall assembly. On the closest stud, place the top of the Pad at the reference line. Measure another 48 inches from that Pad and on the closest stud, place another isoTRAX™ Pad. The second row of Pads is now installed. There should be 4 Pads installed on the second row.

Go back to the first stud and start at the third isoTRAX™ Pad up from the floor. Measure 32 inches from the first stud of the wall assembly. On the closest stud, place the top of the Pad at the reference line. Measure another 48 inches from that Pad and on the closest stud, place another Pad. The third row of Pads is now installed. There should be 4 Pads installed on the third row.

Go back to the first stud and start at the fourth isoTRAX™ Pad up from the floor. Measure 48 inches from the first stud of the wall assembly. On the closest stud, place the top of the Pad at the reference line. The fourth row of Pads is now installed. There should be 3 Pads installed on the fourth row. The first and fourth row Pads should be placed on the same studs.

Go back to the first stud and start at the fifth isoTRAX™ Pad up from the floor. Measure 16 inches from the first stud of the wall assembly. On the closest stud, place the top of the Pad at the reference line. Measure another 48 inches from that Pad and on the closest stud, place another Pad. The fifth row of Pads is now installed. There should be 4 Pads installed on the fifth row. The second and fifth row Pads should be placed on the same studs.

Please refer to diagram:

Note:

Installation is correct when:

The first and last studs in the 8 foot section of wall should have five isoTRAX™ Pads per stud. A diagonal pattern should appear within the field.

Step 3: TRAX Installation

Start in the lower left corner the wall assembly. Attach the TRAX to the Pad / stud with the provided hardware. Predrilled holes in the TRAX will help with correct placement. The TRAX should be centered on the Pad and the bolt centered on the stud. Do not over tighten. The fit should be “snug”.

Proceed to the next intersection where the Pad and TRAX overlap, approximately 48 inches from the lower left Pad. Attach the TRAX to the Pad / stud with the provided hardware. Again, make sure the TRAX is centered on the Pad and the bolt is centered on the stud.

Proceed to the next intersection where the Pad and TRAX overlap, approximately 48 inches from the lower center Pad. Attach the TRAX to the Pad / stud with the provided hardware. Again, make sure the TRAX is centered on the Pad and the bolt is centered on the stud. This completes the first row of TRAX. There should be a total of 3 points where the TRAX is connected to the wall.

Go back to the first stud and start at the second isoTRAX™ Pad up from the floor. Following the same procedures previously mentioned, attach the TRAX to the Pad / stud. Complete the installation of the second row of TRAX by fastening the TRAX where Pads and the TRAX overlap. The second row of TRAX should have a total of 4 points where the TRAX is connected to the wall.

Go back to the first stud and start at the third isoTRAX™ Pad up from the floor. Following the same procedures previously mentioned, attach the TRAX to the Pad / stud. Complete the installation of the third row of TRAX by fastening the TRAX where Pads and the TRAX overlap. The third row of TRAX should have a total of 4 points where the TRAX is connected to the wall.

Go back to the first stud and start at the fourth isoTRAX™ Pad up from the floor. Following the same procedures previously mentioned, attach the TRAX to the Pad / stud. Complete the installation of the fourth row of TRAX by fastening the TRAX where Pads and the TRAX overlap. The fourth row of TRAX should have a total of 3 points where the TRAX is connected to the wall.

Go back to the first stud and start at the fifth isoTRAX™ Pad up from the floor. Following the same procedures previously mentioned, attach the TRAX to the Pad / stud. Complete the installation of the fifth row of TRAX by fastening the TRAX where Pads and the TRAX overlap. The fifth row of TRAX should have a total of 4 points where the TRAX is connected to the wall.

Step 4: Drywall installation

Place ¼ inch spacers along the floor and place the first 4 x 8 sheet of drywall against isoTRAX™ Sound Isolation System. Be sure to leave a ¼ gap between the new isoTRAX wall and adjacent walls / ceilings. When the first 4 x 8 sheet of drywall is positioned correctly, secure the drywall to the isoTRAX system with 1.25 inch type s (fine thread) drywall screws. The screws should be placed 12 inches on center or follow your local building code requirements. Do not remove the ¼ inch spacers along the floor until all the drywall is totally

secured to the isoTRAX™ Sound Isolation System. Following the same procedures, position and attach the next sheet of drywall.

After all the drywall is secured, remove the ¼ inch spacers along the floor. Fill all the ¼ gaps with Acoustic Sealant. Provide ample time for the Acoustic Sealant to set and finish the wall using common, excepted techniques.

Congratulations, the installation of the isoTRAX™ Sound Isolation System is now complete. If you have any questions during the installation of the isoTRAX™ Sound Isolation System, please contact us at 1-866-680-TRAX (8729).