STC Acoustic Sleeper™ Details for Frame Construction

The Acoustic Sleeper system should generally be installed along with the framing, prior to interior partitions, to avoid additional edge supports and cutting of panels in small spaces.

1. Install STC Acoustic Sleeper™ pads along line of structural supports at minimum 24” o.c. and as required for load, subfloor panel thickness, and desired deflection limits.

2. Install T&G subfloor panel over pads and any nailer strips, in thickness as required for load, subfloor panel thickness, and desired deflection limits.

3. Edge of panels should sit halfway across pads. Fasten through pads into sheathing. Do not fasten except through pads.

4. Pads will be evident at leading edges next to nails at previously-laid trailing edges. Pads in field are located at grid lines. Pads overlap at trailing edges and can be slipped in after the subfloor panel is placed.

BEARING PARTITIONS (Fig. 1):

5. Fire-rated load-bearing partitions may be installed on the sheathing panel (lower) prior to the subfloor panel (upper) and other partitions, allowing installation of the structural floor or roof above, providing cover for subsequent installation.

OPTION: BEARING PARTITIONS (Fig. 2):

6. The subfloor may be installed over the entire floor plate prior to any partitions. Provide a continuous ¼” high bearing strip between the sheathing and subfloor panels, of plywood or OSB, minimum width to extend beyond wall plates, centered on bearing walls and shear walls.

NON-LOAD-BEARING PARTITIONS (Fig. 3):

7. Non-load-bearing partitions may be installed directly on the subfloor panel with no supplemental support.

Figure 1: Load-Bearing Partition on Sheathing

Figure 2: Load-Bearing Partition on Subfloor

Figure 3: Interior Partition

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