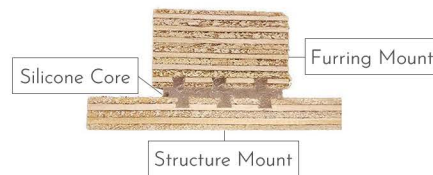


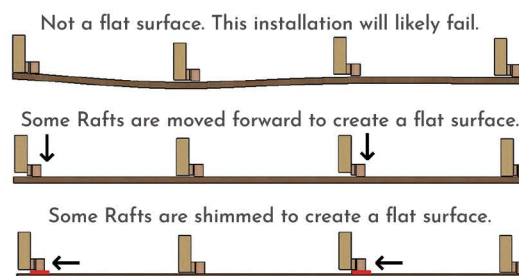
HUSHFRAME RAFT CONNECTOR INSTALLATION GUIDE

The Raft consists of 2 wooden components connected by a silicone core. The thinner component fastens to the framing and the thicker component will support the furring (1x wood or metal hat channel).



IMPORTANT NOTES TO AVOID SYSTEM FAILURE

- (1) The Raft must install to allow the furring mount to project beyond the framing (stud or joist) to ensure that the furring cannot make contact with the framing. Failing to follow this simple requirement will render the Raft system ineffective.
- (2) It is **essential** that the surface plane of the assembly is flat. Walls can be out of plumb, ceilings can be sloped, but the mounting plane for the furring that fastens to the furring mount must be flat. This issue is more prevalent with older framing that has settled, twisted, and deflected, but an issue that can arise in any structure. Resolve this issue by adjusting each Raft as needed, or by adding shim material between the furring mount and furring.
- (3) The Rafts are built for shear and tension loading only. **Do not** allow the structure mount or the furring mount to twist or rotate. Doing so will lead to failure of the silicone core.



FASTENERS

Raft to the structure: (2) 1-5/8" framing screws or (2) 1-1/2" medium crown staples or (2) 6p ring shank sheathing nails.

Wood furring to the Rafts: (1) 2" framing screw or (2) 1-5/8" framing screws located in the center 2/3rds of the furring mount.

Metal furring to the Rafts: (2) 1-1/4" self-tapping screws through each shoulder at a 45-degree inward angle.

IMPORTANT NOTE ON FASTENING AND FURRING: Care must be taken to avoid damaging the Rafts when fastening to framing and when fastening the furring to the Raft. Pneumatic nailers are not recommended. 1x wood furring used must be flat, straight, and structurally sound. 1x3 is most common, 1x2 and 1x4 are also acceptable.

PRO TIPS

Low Profile: For a low profile installation, recess the Raft into the joist/stud cavity and fasten the furring parallel to the joist or stud. The spacing of Rafts and furring remains the same as standard install and the furring must be proud from the framing.

Around Windows and Doors: Treat perimeters of windows and doors as you would the perimeter of each wall. The Raft and furring must terminate flush with the edge of the framing opening for the window or door.

Rafts Before Non-Bearing Walls: Install the ceiling Raft system before framing the non-bearing walls, then fasten the top plate of the non-bearing wall to the Raft's furring. This breaks the connection between your walls and the structure above.

Tight Areas: Any area that is too tight for standard Raft installation (less than 6" wide) can be spanned with Rafts and furring centered within that area. For example, along the side of a door near an adjacent wall, run the furring from floor to top of door.

Always Insulate: Insulation is especially critical in decoupled assemblies. Any type of soft insulation can be used, sized to fit.

Space Between Adjacent Surfaces: Maintain at least a 1/8" gap between each wall, ceiling, and floor. Caulk the gap that remains before finishing the drywall.

Drywall Projection: With 1x wood furring in a standard Raft system, the drywall will project 1" from the framing.



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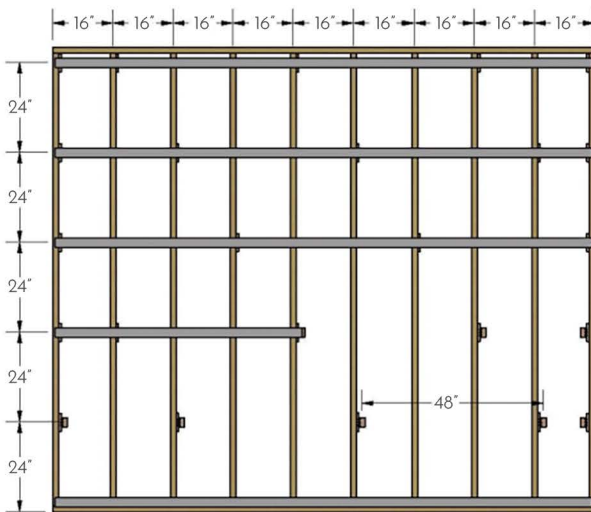
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LAYOUT PATTERNS

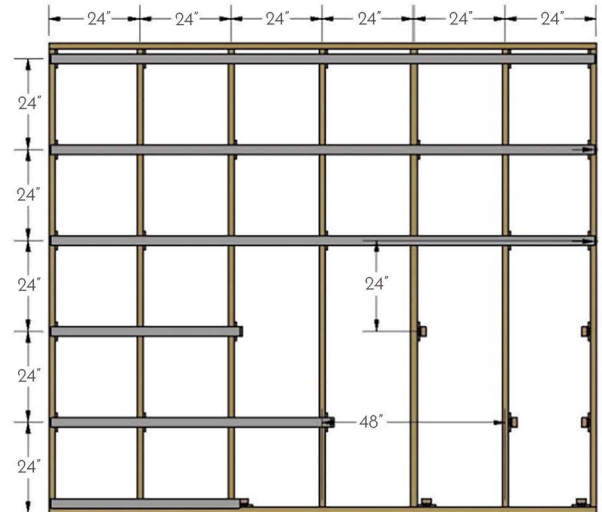
HushFrame Rafts are installed in a grid pattern. The spacing of that pattern is determined by the weight supported by the Raft system. Spacing between Rafts is most commonly a max of 48" on center with row spacing most commonly a max of 24" on center. This spacing supports 1 or 2 layers of 5/8" drywall, or equivalent mass. Spacing is the same for walls and ceilings.

The Raft system is very strong. However, additional loads must be calculated correctly to avoid system failure. If the added weight is localized, then additional Rafts and furring will be required in that area to support the additional weight. If the added weight is evenly spread throughout the assembly, then additional Rafts and furring will be required throughout the assembly.

16" OC Framing, 1 or 2 layers of drywall



24" OC Framing, 1 or 2 layers of drywall



Questions about HushFrame Raft installation?

Please contact us by phone, email, or live chat so we can assist you in order to ensure your Raft installation is a success. We are here to support you!



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