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CEILING & WALL PLANKS INSTALLATION MANUAL BARNWOOD SHIPLAP PLANKS

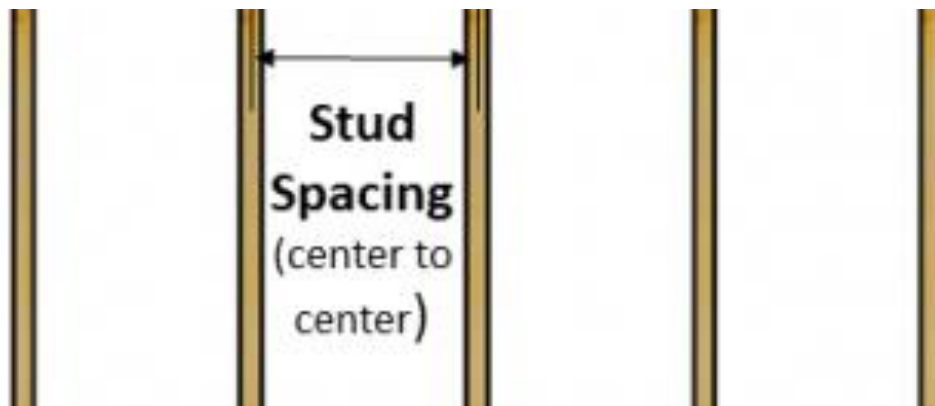
PREPARATION

It is important to understand that no two Barnwood Shiplap Planks are exactly the same and once received you will want to layout and select the most desirable planks for optimal positioning on your Ceiling or Wall.

Barnwood Shiplap Planks are supplied in 16'1" lengths, but are not intended to be installed in all full-length pieces.

TIP: The optimal installation and appearance is achieved by understanding the spacing of your ceiling or wall framing (i.e. ceiling-joists or wall-studs).

Typical construction framing for both ceiling-joists and wall-studs is spaced at either 16" or 24" on-center.



Once you have identified the on-center joist or stud spacing your Barnwood Shiplap Planks can then be cut into length increments that are equal to that spacing. This will allow for the end-to-end plank joints to land on the center of a joist or stud as required for proper installation. Do not place end-to-end plank joints between joists or studs.

For Example:

16" On-Center Spacing

Planks can be cut into incremental lengths of 16" such as:

16" – 32" – 48" – 64" – 80" – 96" – 112" – 128" – 144" – 160" – 174" – 192"

24" On-Center Spacing

Planks can be cut into incremental lengths of 24" such as:

24" – 48" – 72" – 96" – 120" – 144" – 168" – 192"

TIP: Always add 15% to the total square footage of ceilings or walls you will be covering to account for waste, cuts, and to achieve an optimal layout.

Compared to drywall (which includes steps of taping, mudding, sanding, and painting 2-3 times) installing Barnwood Shiplap Planks is a much quicker, easier and cleaner process that provides a more attractive appearance.

INSTALLATION – Perpendicular to Ceiling or Wall Framing:

1. Upon delivery immediately remove the Barnwood Shiplap Planks from their packaging and move them indoors where they can acclimate to the environment where they will be installed.
2. Allow Barnwood Shiplap Planks to acclimate to the installation environment for at least 72 hours prior to installing. This will allow the planks to adjust to differences in moisture and temperature.

TIP: Barnwood Shiplap Planks are intended for interior use but may also be used in dry exterior environments where they are protected from direct contact with the water (i.e. underside of a covered porch ceiling/roof). For these applications you may skip Step 1 & 2.

3. Once Barnwood Shiplap Planks have been acclimated, gather the following recommended materials to perform the installation:

Fasteners

Option A)

15ga or 16ga finish nails. 2" long nails for direct install to framing or 2-1/2" long nails for installation over drywall. Galvanized nails are not recommended.

Option B)

Your choice of type, style and color of #8 or larger screws. 2 1/2" long screws for direct install to framing or 3" long screws for installation over drywall. When using screws, you must pre-drill the planks with the appropriate sized drill bit and countersink as required. Galvanized screws are not recommended.

Adhesive

In addition to mechanical fasteners (i.e. nails or screws) it is recommended, but not necessary, that you use a construction adhesive such as [Loctite PL 510 Wood & Panel](#) or similar on the back of the planks for additional holding power.

Vapor Barrier

A vapor barrier may be necessary when installing directly to the framing against exterior ceilings or walls (refer to your local building code requirements prior to installation).

4. Position the first row of Barnwood Shiplap Planks perpendicular to the ceiling or wall framing with the "lap" side of the planks facing the wall or floor. Leave a 1/4" space between the lap side edge of the planks and the wall or floor and a 1/8" space between the ends of the planks where they meet with any perpendicular surfaces (i.e. inside corners). Once properly positioned secure the first row of plank in place with your choice of fasteners driven through the face of the planks at each of the framing joist or stud locations.

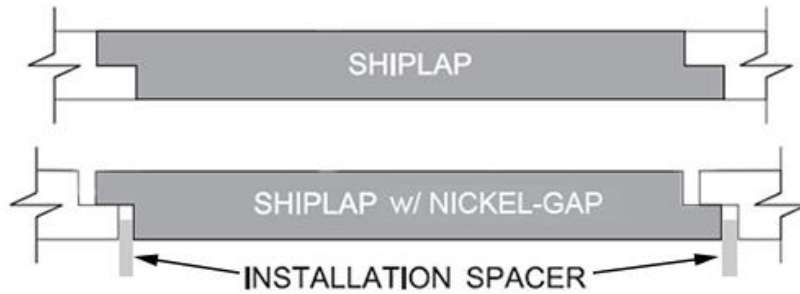
TIP: It is easiest to start at the base of a vaulted ceiling or wall so that gravity is on your side. It is equally as important to ensure that the first plank is set parallel, square and/or level to ensure proper installation of the remaining additional planks across the entire area.

Plank Gaping Options:

Plank Gaping is a design choice and Barnwood Ship Lap planks can be installed with one of two gap styles.

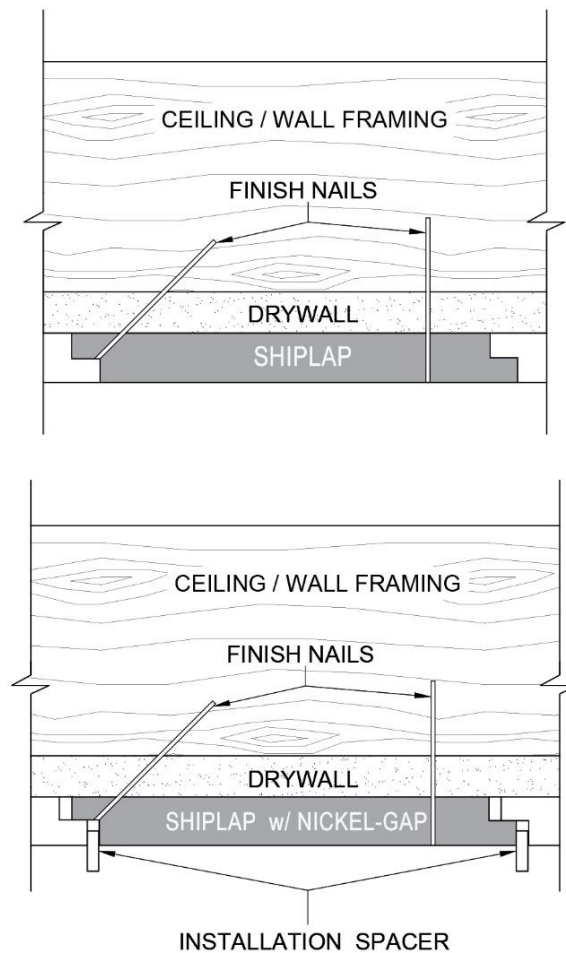
- a) With no gap (plank edges fit tight to one another)
- b) With a 1/8" gap (aka "nickel gap") between plank edges

See the following illustration for examples of each:



TIP: Use installation spacers (such as a nickel) to maintain a consistent gap between planks when installing.

5. If using nails to fasten the Barnwood Shiplap Planks, once the first row is secured you can begin to “blind-nail” the “tongue” side of the planks in each additional row. This is done by nailing through the inside corner of the tongue on a 45-degree angle. Each nail should pass through the plank and penetrate into the framing as per the following illustration:



Face nailing at least one edge of traditional lap-joint type shiplap planks is a necessary and acceptable practice and adds character to the reclaimed aesthetic of the Barnwood Shiplap Planks. It is important to adjust the pressure of your nail gun to allow for 1/4" penetration of the nails into the face of the planks to conceal the head of the nail below the surface.

6. Check every two to three rows to make sure that you are staying parallel to the first row. It may be necessary to adjust rows by increasing or decreasing the gapping between planks in order to maintain parallel, square and/or level across the entire ceiling or wall surface.
7. When you reach the final row, rip the last plank on a table saw to the required width to fit the remaining space. Face nail or screw the final plank in place to complete the installation.