

# TILTON

## COFFERED CEILING S

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## CEILING & WALL PLANKS INSTALLATION MANUAL

### SHIPLAP PLANKS

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

#### ACCLIMATION & PREPARATION:

1. Upon delivery immediately remove the Shiplap Planks from their packaging and move them indoors where they can acclimate to the environment where they will be installed.
2. Allow the 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.

**PRO TIP:** 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). For these exterior type applications, you may skip Steps 1 & 2.

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

#### **Fasteners**

##### Option A

15ga or 16ga finish nails:

### Option B

Your choice of type, style and color of #8 or larger screws.

*NOTE: When using screws, you must pre-drill the planks with the appropriate sized drill bit and countersink as required.*

### **Adhesive**

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

### **Vapor Barrier**

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

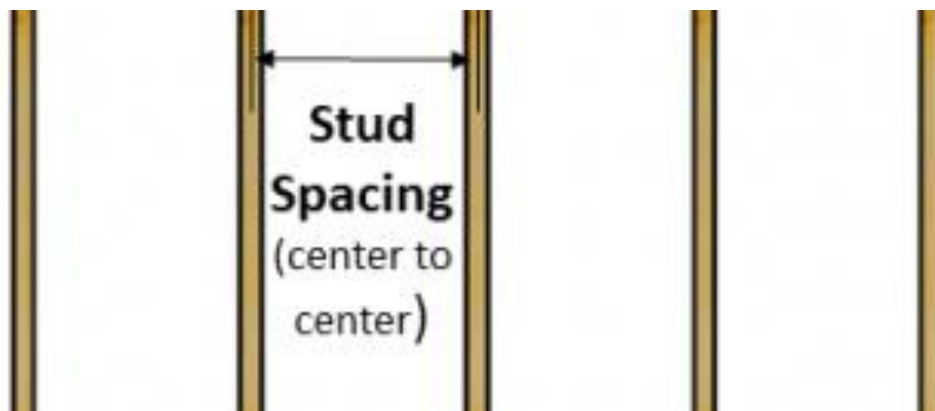
### **INSTALLATION – Preface:**

It is important to understand that no two Wood 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. This does not apply to paint-grade, pre-primed or pre-painted planks.

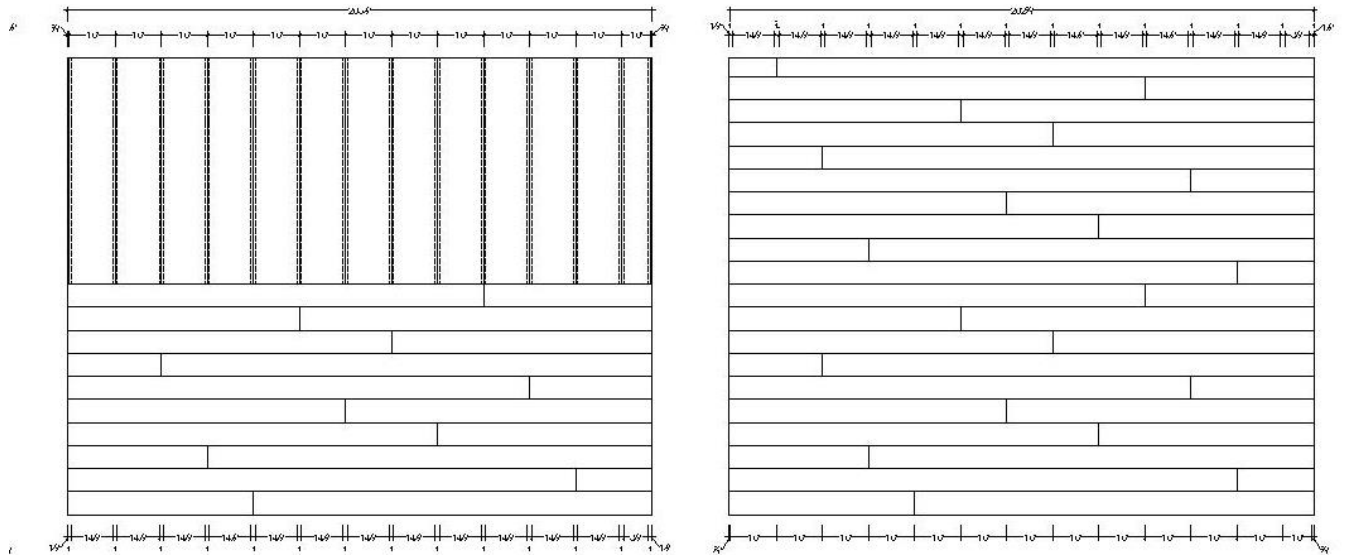
Shiplap Planks are supplied in either specific or randomized lengths, but are not intended to be installed in all full-lengths (although possible depending on the application).

**PRO TIP:** The optimal installation and appearance is achieved by first understanding the spacing of your ceiling and/or wall framing (i.e. ceiling-joists and/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 Shiplap Planks will need to be cut to lengths which conform to that spacing to ensure that the end-to-end seams (aka butt-joints) land centered on a joist or stud and be fastened at each of the joist or stud locations as required for proper installation.



**END-TO-END SEAMS/JOINTS MUST LAND ON JOISTS OR STUDS**

**For Example:**

**16" On-Center Spacing**

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

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

**PRO TIP:** Always add 15% to the actual total square footage of ceiling and/or wall area you will be covering to account for waste, cuts, and to achieve an optimal layout.

**INSTALLATION – Perpendicular to Ceiling and/or Wall Framing:**

1. Cut the Shiplap Planks to length so that end-to-end seams/joints fall centered on a joist or stud.

2. Position the first row of Shiplap Planks perpendicular to the ceiling or wall framing with the “lap” side of the planks facing the wall (if installing on the ceiling) or floor (if installing on the wall). 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. walls or inside corners).

**PRO TIP:** It is easiest to start at the low point of a vaulted ceiling or at the base of a wall so that gravity is on your side while installing the Shiplap Planks. It is also important that the first row of planks is set parallel, square and/or level to ensure proper installation of the remaining planks across the entire area.

3. Once properly positioned secure the first row of Shiplap Planks in place with your choice of fasteners driven through the face of the planks at each of the framing joist or stud locations.

**Shiplap Plank Gaping Options:**

Plank Gaping is a design choice and the Shiplap Planks can be installed with one of two gap styles.

A) With no gap (plank edges fit tight to one another)

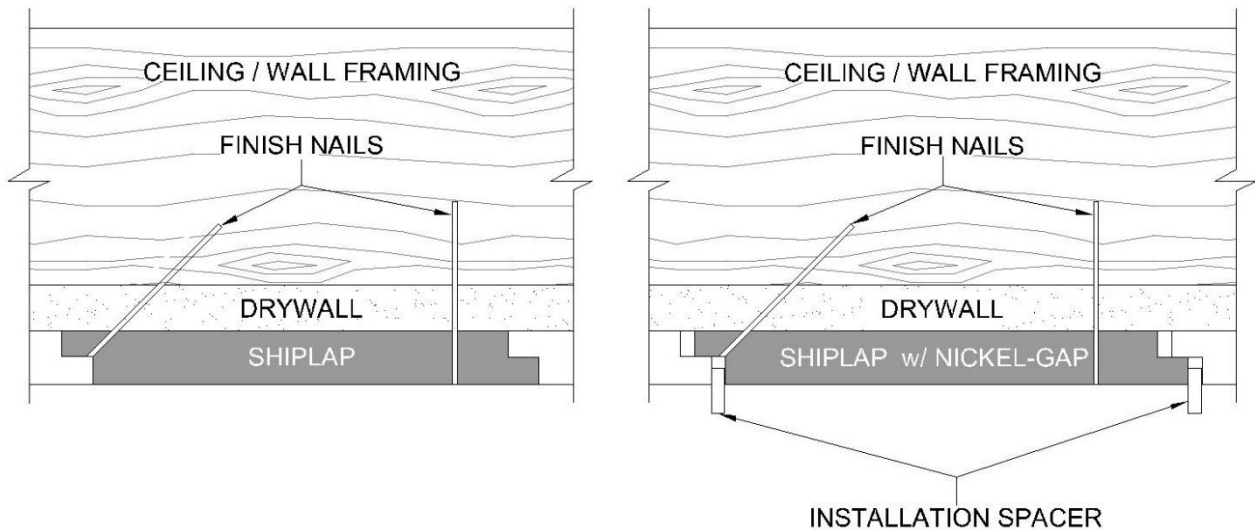
B) With a 1/8” “nickel-gap” between the plank edges

See the following illustration for examples of each gaping option:

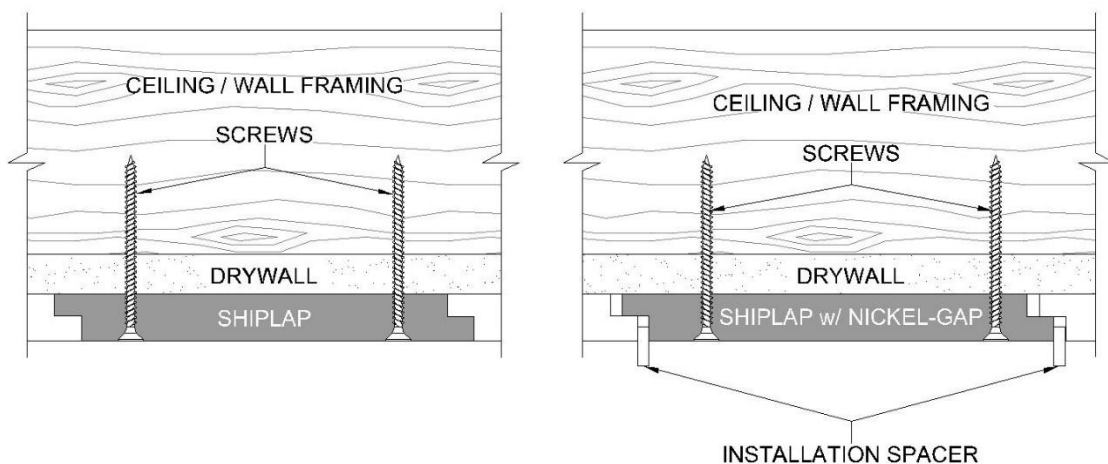


**PRO TIP:** Use a spacer (such as a nickel) to maintain a consistent gap between the Shiplap Planks when installing with a gap.

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



5. If using screws to fasten the Shiplap Planks they must be driven through the face of the planks. Each screw should pass through the plank and penetrate into the framing as per the following illustration:



*Face nailing and/or screwing of traditional lap-joint type Shiplap Planks is a necessary and acceptable practice.*

6. If installing with a 1/8" gap, check every two to three rows of planks 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-cut the Shiplap Planks on a table saw to the required width to fit the remaining space. Face nail or screw the final planks in place to complete the installation.