

WRAP YOUR HOME IN ECO-FRIENDLY BEAUTY

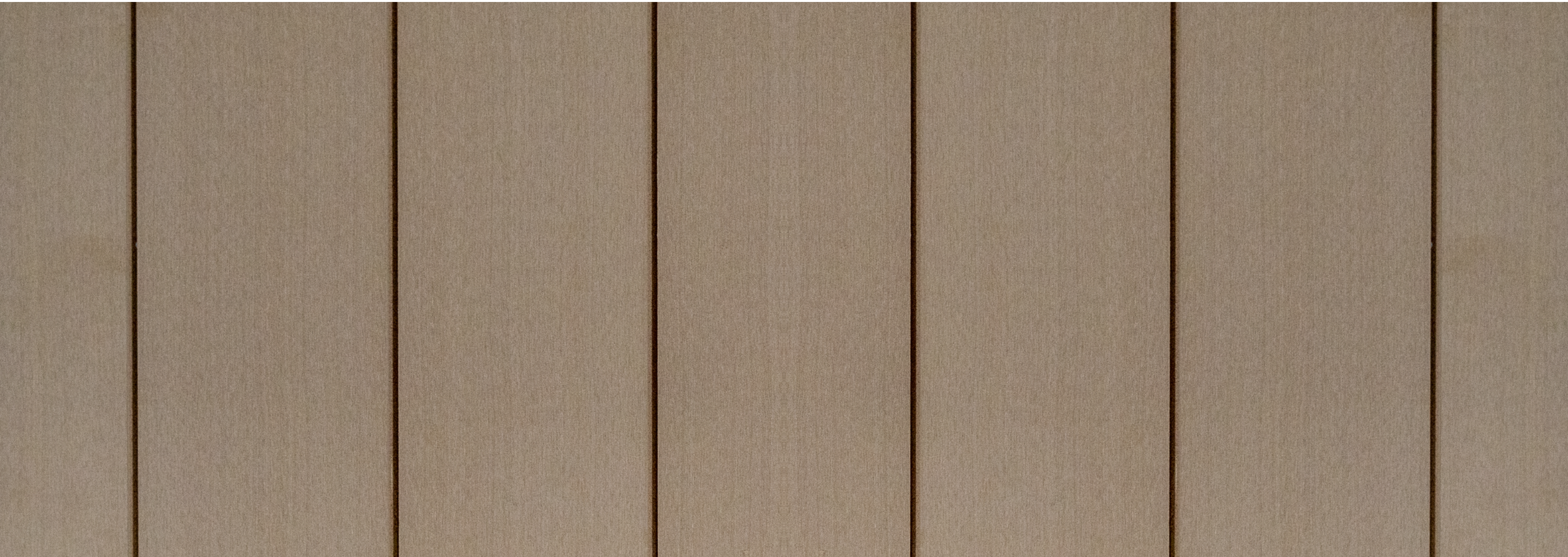
Shiplap Siding Installation



ACRE[™] BY MODERN·MILL

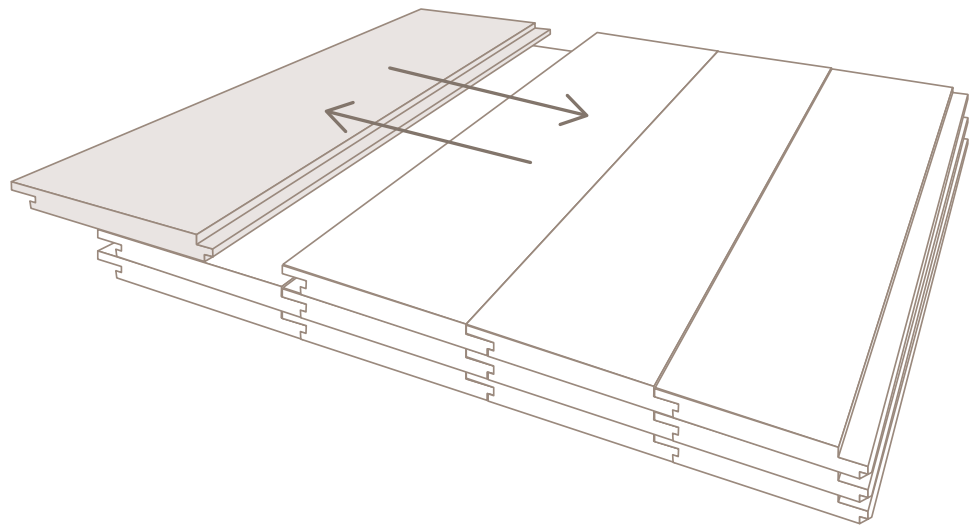
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Storage and Handling

- Store Shiplap horizontally, fully supported on a flat surface
- Do not place Shiplap directly on a surface that can develop excessive heat
- Store in a cool, dry place
- We recommend storing with pallet covers to keep it clean and protected
- Shiplap are packaged interlocked. Pull boards across the row and not straight down the stack (see image)
- Acclimate ACRE to the temperature it will be installed at for at least two hours before processing. During installation, keep ACRE at a consistent temperature



Safety

- Wear safety glasses and appropriate personal protective equipment (PPE) for job site conditions
- Follow proper safety practices for using all power tools and any job site equipment



Getting Started

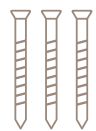
TOOLS YOU WILL NEED



Circular Saw



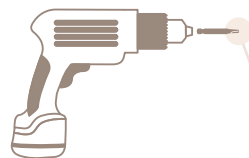
Tape Measure



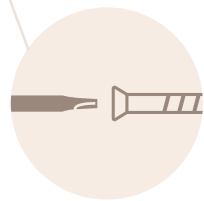
Outdoor rated, Minimum
#8 x 2-1/4 in, 305 screw
or 6D/8D ring shank nails.
Exterior rated fasteners



Safety Glasses



Drill with appropriate
fastening bits

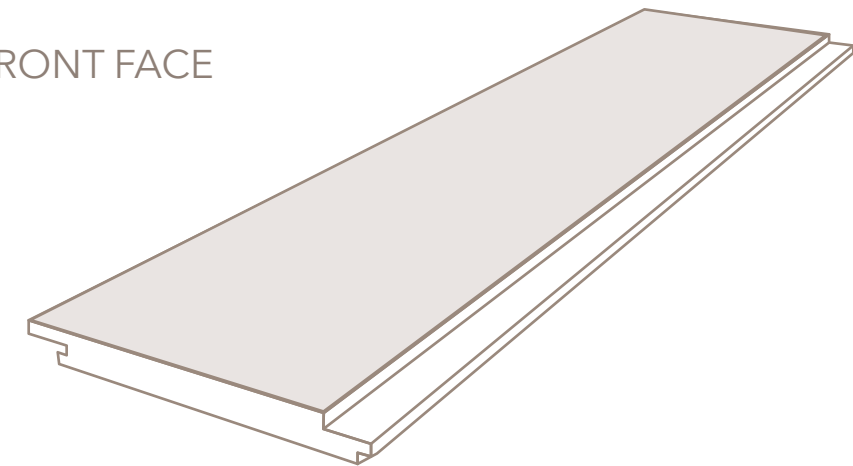


Ladder

ACRE Siding

- Shiplap siding is a one sided product. Shiplap boards are to be installed as shown in the diagram below

FRONT FACE



- Shiplap siding can be stained, painted, or left natural with appropriate clear coat or sealant. **Please visit the [ACRE coatings guidelines](#) for more information.**

Shiplap Siding Dimensions	NOMINAL	ACTUAL
	1"x8"x20'	3/4"x7.25"x20'
	1"x8"x16'	3/4"x7.25"x16'
	1"x8"x12'	3/4"x7.25"x12'

Installation Preparation

BEFORE GETTING STARTED

- Ensure boards are dry before installation

PAINTING, STAINING OR FINISHING ACRE PRODUCTS

Pro tip: Apply stains or clear coats on the ground before installation.

Coat ACRE with manufacturer recommended water-based paints, stains or sealers.

If you choose to paint ACRE, use a coating with a Light Reflective Value (LRV) above 55%.

Pay close attention to our approved coatings for darker colors.



Follow this QR code for a list of finish manufacturers and products that have passed paint-manufacturer testing standards and for technical assistance.

WALL REQUIREMENTS

- Shiplap siding must be installed over traditional wood framed walls with the studs spaced at most 16in on center.
- The wall should be sheathed with OSB, minimum 7/16" thick or 1/2" thick plywood.
- Wherever possible, shiplap siding should be fastened directly to the studs.
- Prior to installation. Be sure that wall is structurally sound. Ensure that there are no nails or screws protruding.

MOISTURE

- Always install a drainable weather-resistant barrier according to local building code requirements
- Avoid installing product in standing water or areas that can stop water from draining away from the building

FLASHING REQUIREMENTS

- Prepare step flashing along the roof and wall lines using the weather barrier, flashing tape, or z-flashing as counter flashing
- Allow 1/2" clearance between the siding and the roof line
- Install window and door flashing per manufacturer instructions
- Appropriate color matched flashing or felt strips can be used behind all butt joints to reduce water getting through the cladding

Expansion and Contraction

- Shiplap siding undergoes a degree of linear expansion with changes in weather or seasons. Expansion and contraction is most significant where extreme temperatures may exist.
- Fasten Shiplap siding as soon after cutting as possible to minimize expansion and contraction.
- Whenever possible, use shorter lengths as splitter / divider boards in continuous runs of boards.
- For best results, keep boards as cool as possible during attachment. if attaching during high heat, larger gapping can be expected.

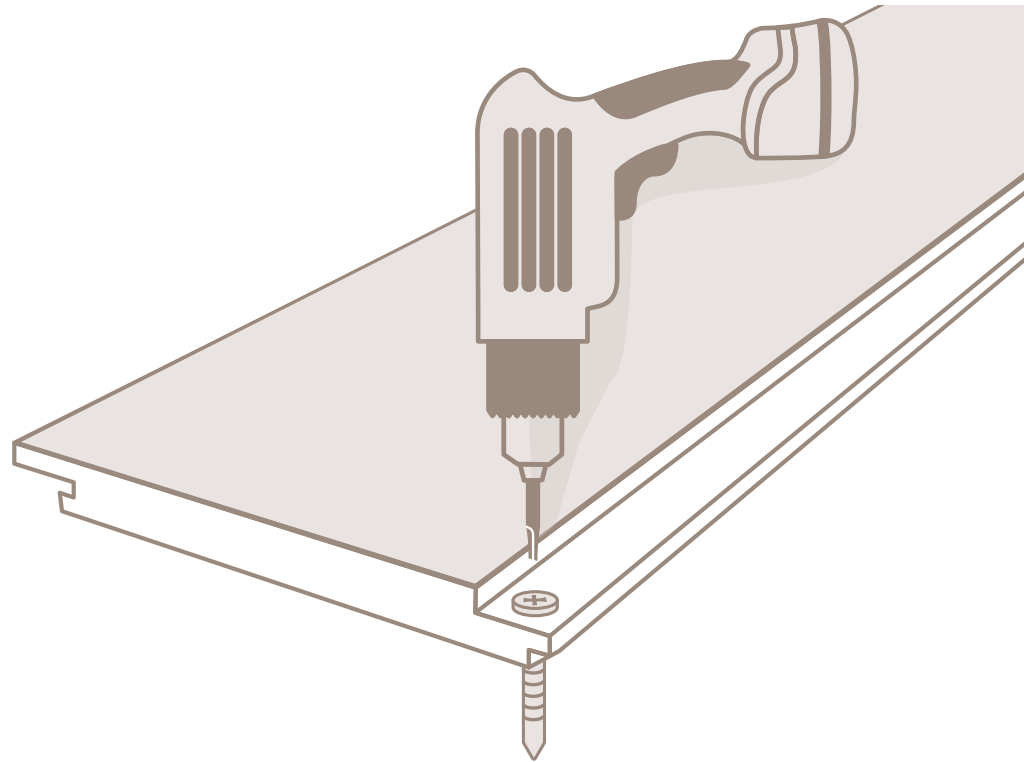


Installation

FASTENING

To have fasteners last as long as Shiplap siding, use a high-quality fastener that meets the following specifications:

- Using screws for fastening is highly recommended.
- Stainless Steel recommended; alternatively use exterior rated galvanized fasteners
- Minimum Screw Size: #8
- Minimum Screw Length: Fastener must penetrate the wood stud at least 1 ¼"
- 6D or 8D Stainless steel pneumatic ring shank nails may be used as well.
- Make sure fasteners are driven flush with the surface of the siding
- If fasteners are unable to penetrate framing, fasten into OSB no more than 12" apart along the length of the board
- For a more secure fastening schedule and to mitigate movement, fasten every 12"
- Fasten Shiplap siding using the top of the flange as seen in the diagram

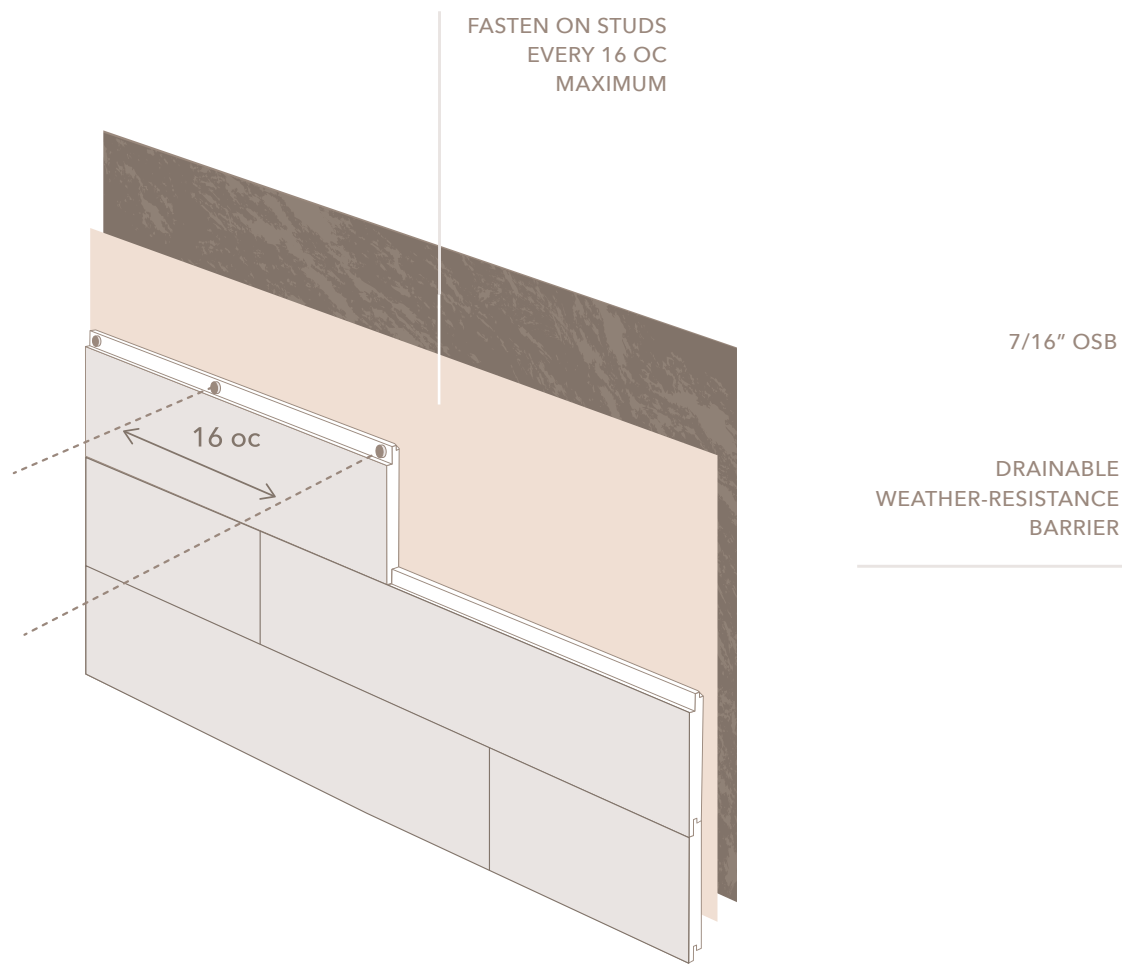


JOINTS

- For butt joints, ACRE shiplap may be joined together using a shiplap joint. Refer to the expansion and contraction section above for gap information.
- For long continuous courses of ACRE shiplap or for installations using glued butt joints, leave 1/8" gap into a rabbeted ACRE trim on corners to allow for movement. A scarf joint may be used for gluing two boards together.
- We recommend glues formulated for PVC products.

HANGING ACRE SHIPLAP HORIZONTALLY

- Stagger butt joints over stud locations to reduce noticeable patterns
- Leave 1/8" gap from the board to the edge of the wall into the rabbeted outside corners
- When a course of siding runs underneath a window, fastener every 8"
- Seal all vertical joints along window and door edges with a high-grade exterior caulk
- Shiplap siding can be installed by stacking the siding into the course below
- Starter and end boards require fastening at its face at least 1/2" from the edge



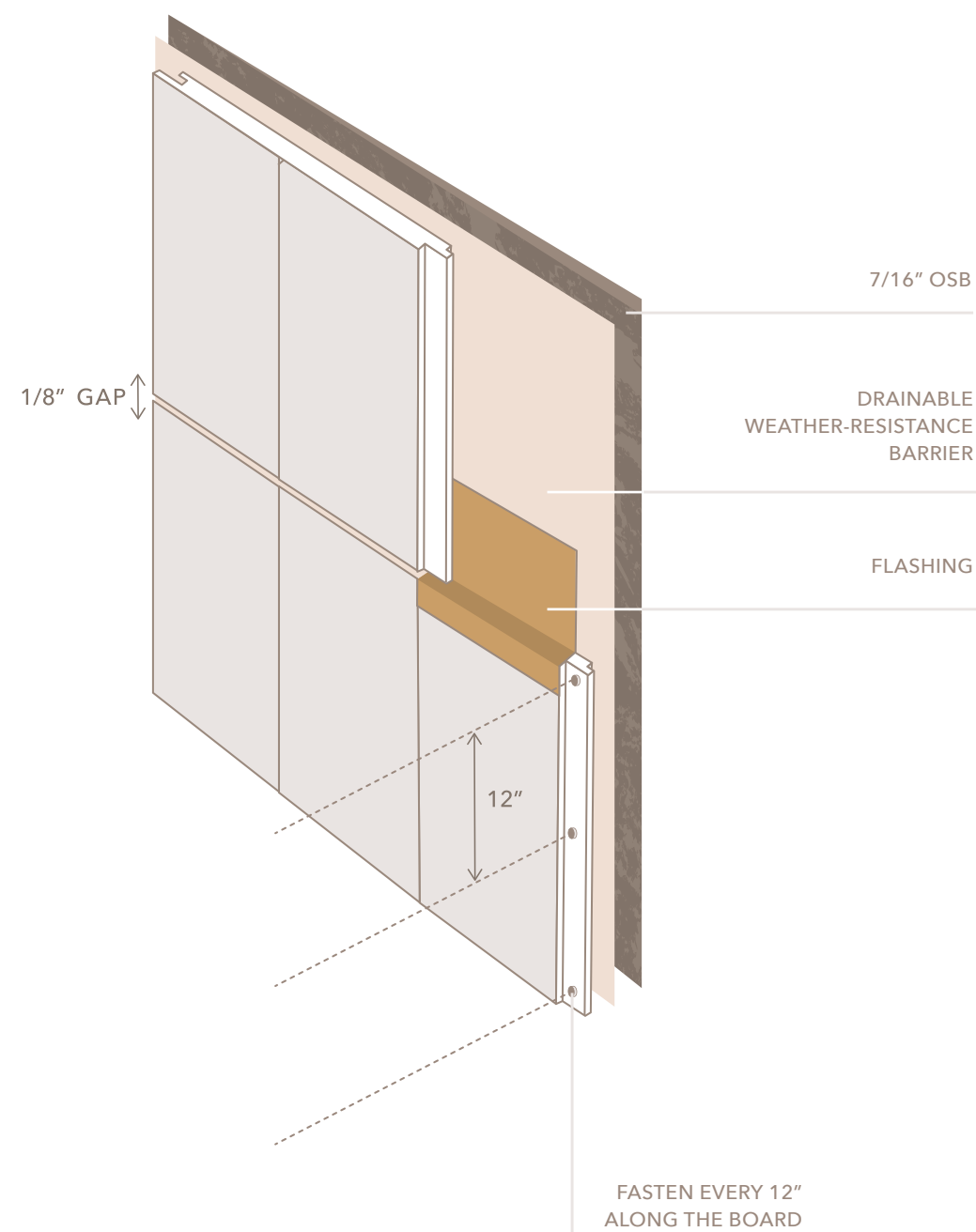
STARTING AND ENDING COURSE FOR HORIZONTAL INSTALLATION

- Begin by ripping a piece of ACRE shiplap in half lengthwise. Use the top cut as the starter course and the bottom cut as the end course.
- Ensure the first course is level.
- Blind fasten into the tongue for the the starting board for the first course
- Continue the installation as described below
- End the installation with the bottom cut by stacking the board on top of the last course and face fastening into the wall.



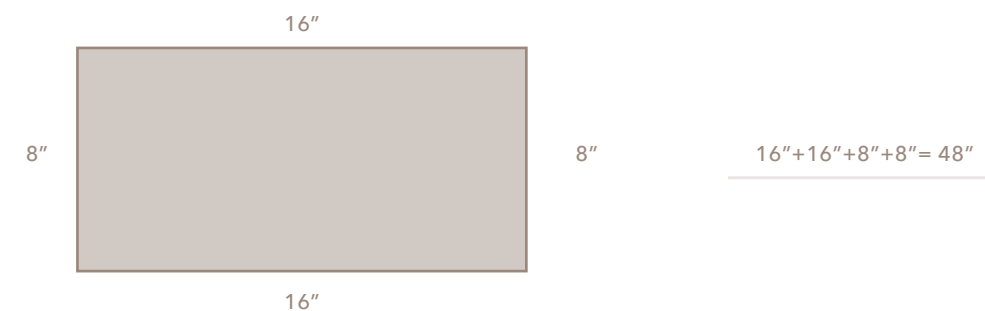
HANGING ACRE SHIPLAP VERTICALLY

- Install flashing as normal above windows, doors and rooflines
- Do not bridge floors with Shiplap siding
- Leave 1/8" gap between courses with z-flashing between boards
- Alternatively, use trim with z-flashing to break the course between floors
- Fasten along every 8" of the board

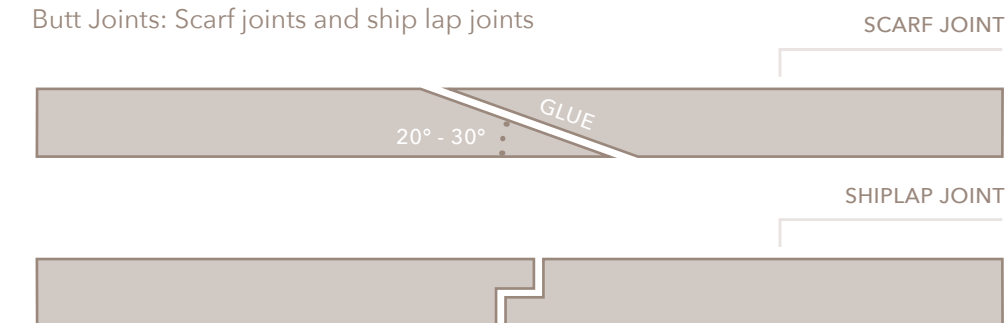


INSTALLATION TIPS

- Fastening using the 48" perimeter rule: between four fasteners, the perimeter should be <48"



- Butt Joints: Scarf joints and ship lap joints



- Rabbeted trim can be used in the field for controlling expansion and contraction along with achieving a clean look



Care and Cleaning

- Wash down the exterior surface with a water hose every six to 12 months
- Be mindful of products which contain chemicals that may alter the appearance of Shiplap siding
- To clean ACRE products use a gentle all-purpose cleaner such as Simple® Green with a natural all fiber brush
- Follow manufacturer instructions on all cleaning products. Test first on an inconspicuous area of the wall
- Clean out gutters, blocked pipes, and overflows as required
- Prune any vegetation back that is touching the wall
- We recommend clearance between siding and shrubs



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