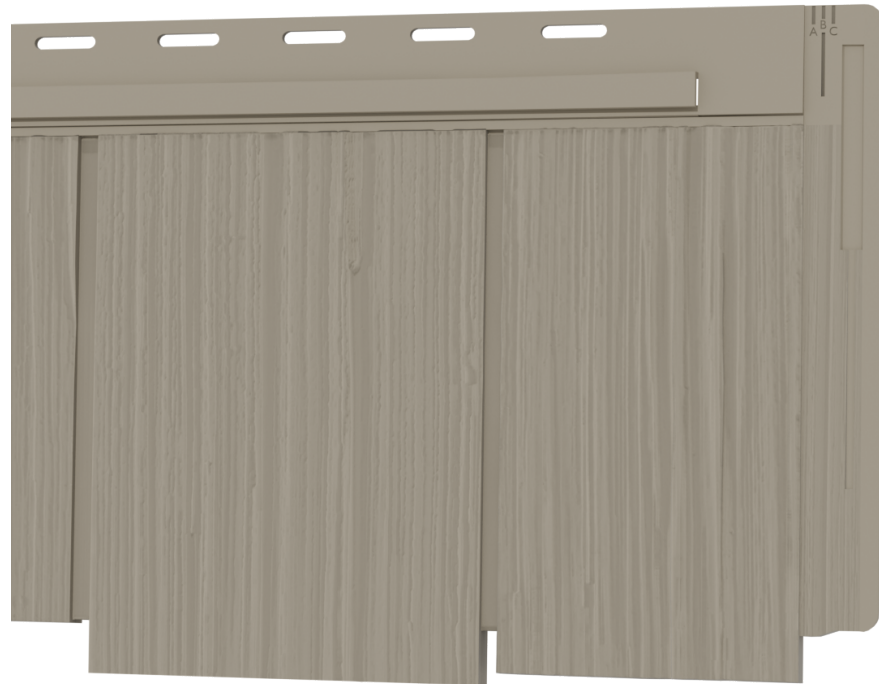




INSTALLATION AND MAINTENANCE INSTRUCTION

HARBOR MILL™

POLYPROPYLENE SHAKE AND SHINGLE COLLECTION



Contact the local recycling waste management center for waste disposal in the area. Always check local waste requirements and carefully dispose of waste in accordance with Federal and other regulations.



Homes built before 1978 may contain lead paint. All replacement installations must comply with the U.S. EPA's Lead-Based Paint Renovation, Repair, and Painting Program (RRP Rule). Read more about the RRP Rule and lead-safe work practices, on the U.S. EPA's website at: www.epa.gov/lead



GETTING STARTED

IMPORTANT INFORMATION!

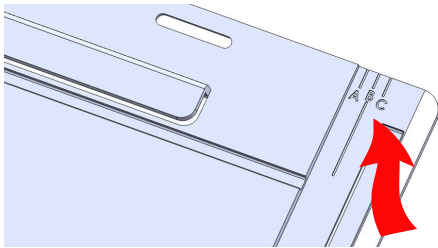
This instruction provides how-to-tips intended to simplify the installation process.

- Harbor Mill™ Shake and Shingle Collection is intended for VERTICAL wall surface installation ONLY.
- This product is NOT designed for roof application, including mansard/gambrel roof designs.
- Please refer to the VSI manual for the basic installation procedures. The VSI manual can be found by SCANNING or TAPPING the QR Code shown.

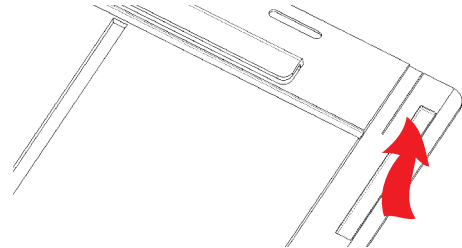


IDENTIFY YOUR PANEL

HOW TO TELL THE DIFFERENCE BETWEEN THE 2024 MODIFIED SPACING PANEL AND THE ORIGINAL PANEL



OR

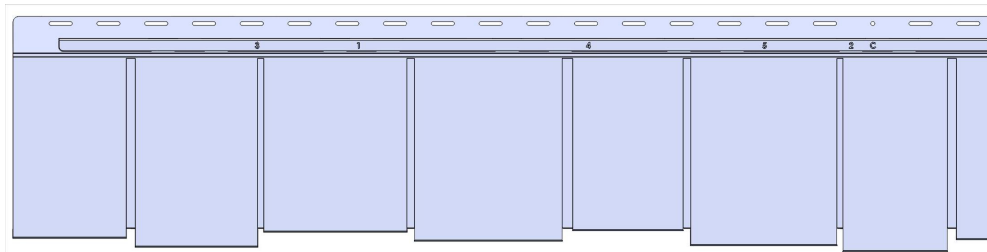


2024 MODIFIED SPACING PANEL DESIGN:
(3) Spacing Indicators

ORIGINAL DESIGN:
(1) Spacing Indicator

SIDING STAGGER PATTERN (CUT-LINE INDICATORS):

- 2024 MODIFIED SPACING PANEL pattern is **3 - 1 - 4 - 5 - 2** (Refer to illustration below)
- ORIGINAL pattern is **1 - 2 - 3 - 4**

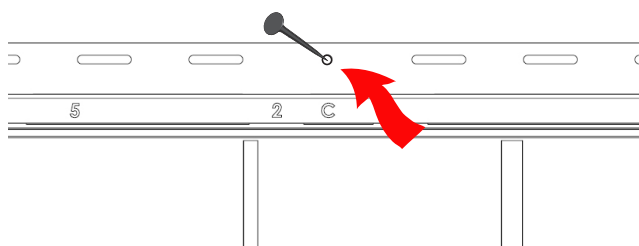


ProVia® shall not accept any liability or responsibility under its written warranty for failure caused by applications that do not meet proper installation requirements.

A. BASIC METHODS AND PROCEDURES

- 1 Harbor Mill Shake and Shingle should be fastened with corrosion resistant exterior nails on a smooth, flat surface. Install on plywood, a wood composite solid sheathing (no less than $\frac{7}{16}$ " inch thickness), or with an insulated/leveling board if installing over traditional lap siding. Never install on an open stud wall. Stapling the siding is NOT acceptable.
- 2 A weather-resistant barrier MUST be installed prior to the siding installation in order to achieve design performance and to comply with most recent building codes.
- 3 All polymer siding will expand and contract due to weather conditions. Follow this instruction to allow for proper panel movement. When installing in weather conditions below 40 degrees, leave approximately $\frac{3}{8}$ " gap in receiving channel, such as corner posts and J-channels. Leave a $\frac{1}{4}$ " gap when above 40 degrees.

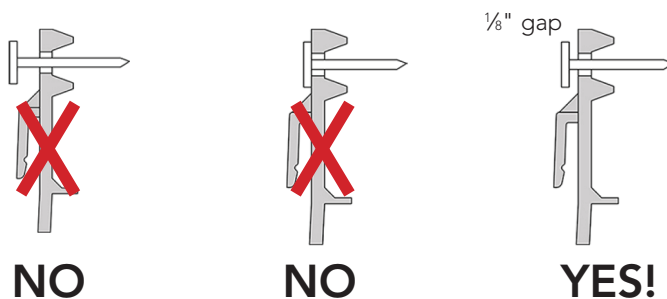
CONTROL EXPANSION & CONTRACTION



(Figure A.1)

- 4 To control the direction of normal expansion and contraction, panels must be fastened through the round hole located in the center nail hem of each panel. This is known as 'center pinning'. If working with a partial panel, locate the center nail slot and place a nail against each side of slot. *Alternate practice, drill a small hole in the center of the panel nail hem for 'center pinning' method.* All additional nails should be centered within the slots, approximately every 10" to 16". (Figure A.1)

PROPER NAILING TECHNIQUE



(Figure A.2)

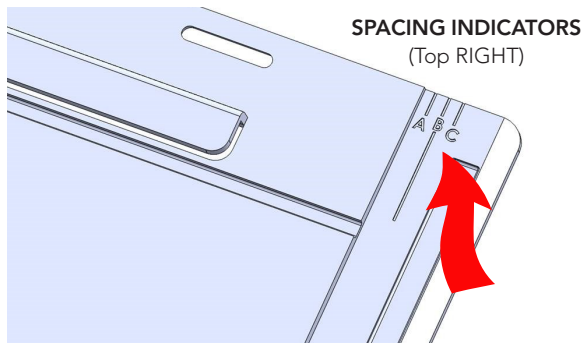
- 5 **DO NOT NAIL PANEL TIGHT** and **DO NOT FACE NAIL**. There should be approximately $\frac{1}{8}$ " of space between the nail head and siding panel to allow for normal expansion and contraction. (Figure A.2)



- FOR THE 2024 MODIFIED SPACING PANEL DESIGN, CONTINUE TO SECTION B.1
- FOR THE ORIGINAL PANEL DESIGN, SKIP TO SECTION B.2

B1. INSTALLATION GUIDELINES - 2024 MODIFIED SPACING PANEL

2024 MODIFIED SPACING



(Figure B1.1)

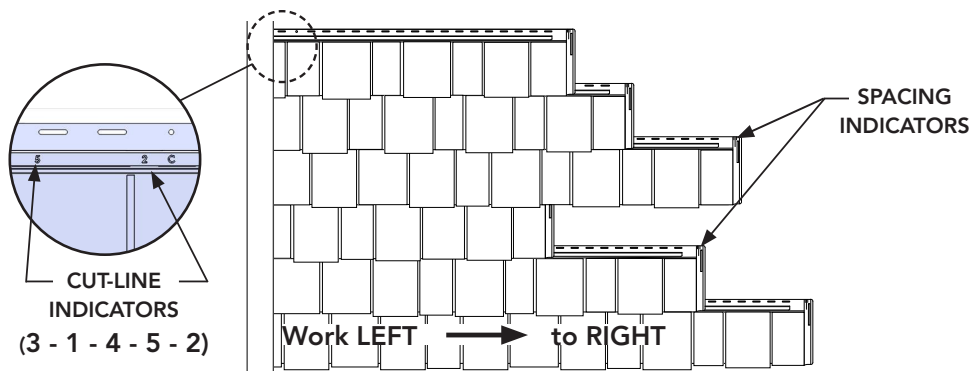
USE THE FOLLOWING SPACING INDICATOR PER TEMPERATURE CONDITIONS

SPACING INDICATOR	TEMPERATURE CONDITIONS
LINE 'A'	86° and above in direct sunlight
	91° and above when overcast
LINE 'B'	36° to 75° in direct sunlight
	61° to 90° when overcast
LINE 'C'	35° and below
	60° and below when overcast

! **IMPORTANT!** Harbor Mill™ Shake and Shingle, as with any polymer siding, expands and contracts with temperature change. For this reason, it is important that panels are spaced properly when interlocking each piece. Failure to allow for proper spacing may result in gaps that are too large or too small, which can lead to side locking tabs disengaging or the panel buckling. Correct spacing can be achieved by aligning each new section with the correct spacing indicator located on the top right nail hem. **Follow the chart above for the proper spacing indicator based on temperature condition.** (Figure B1.1)

- 1 If installing shake or shingle panel on a full wall, begin by striking a level line around the house. Next, install a starter strip designed for shake siding. If your application dictates, a J-channel can be used to start the first course of panels.
- 2 Install corner posts and J-channel with a recommended 3/4" receiving pocket around the doors and windows.

2024 MODIFIED PANEL CUT PATTERN

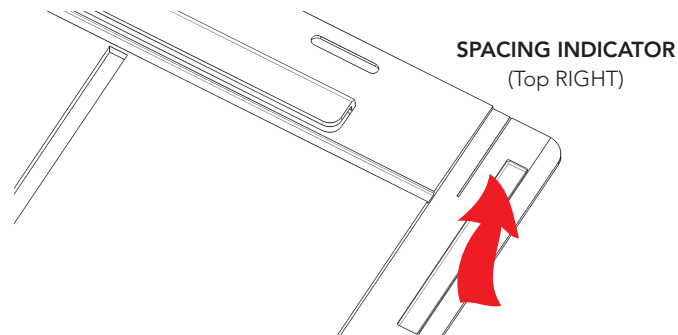


(Figure B1.2)

- 3 For BEST appearance, work from LEFT to RIGHT following the recommended stagger pattern: (Figure B1.2)
 - Start FIRST row with a full panel.
 - On the next 5 rows, use the cut-line indicators marked at the top of each panel, **3 - 1 - 4 - 5 - 2**.
 - To eliminate stacked seams, continue to repeat the 5-step cut pattern for the full wall height.
- 4 Make sure each additional panel is correctly interlocked with the previous panel. Align overlap with the spacing indicator line provided at the top right-hand side of the nail hem.
- 5 Place FIRST nail in the small round hole located in the center of the nail hem. Use at least 5 nails per full panel length. **DO NOT NAIL TIGHT.**

B2. INSTALLATION GUIDELINES - ORIGINAL PANEL

ORIGINAL PANEL SPACING

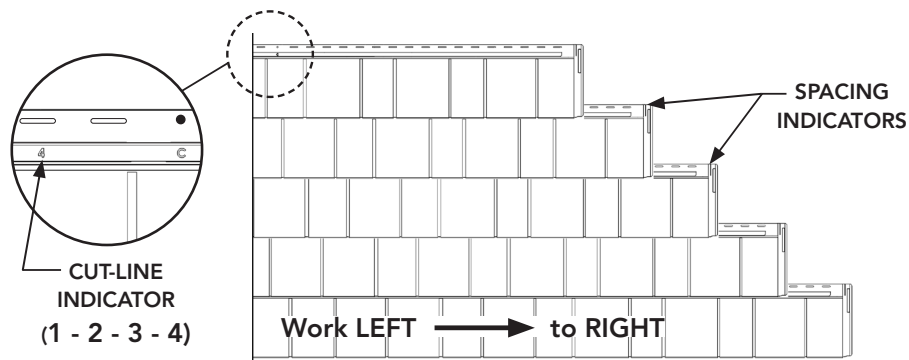


(Figure B2.1)



IMPORTANT! Harbor Mill™ Shake and Shingle, as with any polymer siding, expands and contracts with temperature change. For this reason, it is important that panels are spaced properly when interlocking each piece. Failure to allow for proper spacing may result in gaps that are too large or too small, which can lead to side locking tabs disengaging or the panel buckling. Correct spacing can be achieved by aligning each new section with the spacing indicator located on the top right nail hem. (Figure B2.1)

ORIGINAL PANEL CUT PATTERN

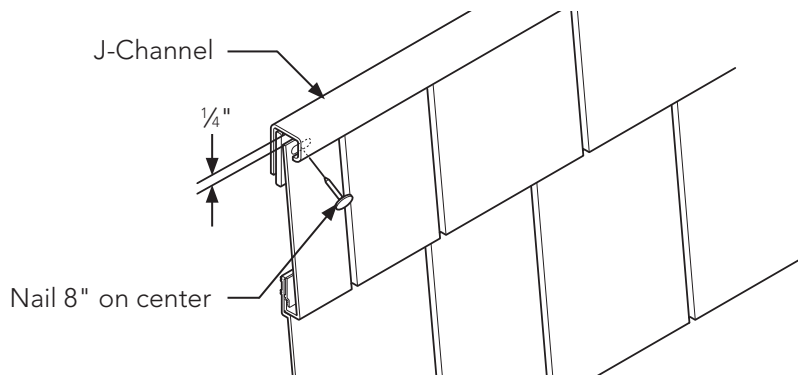


(Figure B2.2)

- 1 For BEST appearance, work from LEFT to RIGHT. Avoid vertically stacking overlap seams and similar areas of the panel: (Figure B2.2)
 - Start FIRST row with a full panel.
 - To begin SECOND row, cut a panel at a point where the remainder can be used to start the row without lining up keyways or overlap seams.
 - Avoid using pieces less than 24" long to start a row.
 - Start each row thereafter in the same fashion. Ensure no overlap seams line up vertically.
- 2 Make sure each additional panel is correctly interlocked with the previous panel. Align overlap with the spacing indicator line provided at the top right-hand side of the nail hem.
- 3 Place FIRST nail in the small round hole located in the center of the nail hem. Use at least 5 nails per full panel length. **DO NOT NAIL TIGHT.**

C. INSTALLATION GUIDELINES - 2024 MODIFIED PANEL AND ORIGINAL PANEL

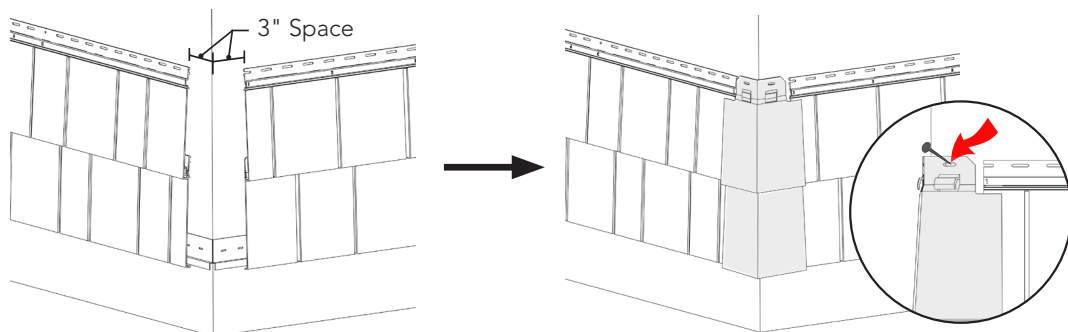
J-CHANNEL FINISH DETAIL



(Figure C.1)

- 1 Install J-channel per VSI specifications under windows, around openings, and to finish the top course of panels. Cut the panel to fit. Use a nail slot tool or similar to punch holes every 8" along top edge of the panel. Install panel and secure with fasteners through pre-punched holes. (Figure C.1)

CORNER POST INSTALLATION



(Figure C.2)

- 2 When installing individual corner post:
 - Leave a 3" space at beginning and end of each row to allow for proper corner installation. (Figure C.2)
 - Once all panels have been fastened, install the corner post over the panels, making sure the corner post interlocks with the starter strips. (Figure C.2)
 - When installing an 8" shake corner post, the cut-a-way tabs may need to be trimmed (located inside bottom of corner post). This will allow the post to match the staggered shake pattern depth. Tabs can be fully removed.
 - Nail the corner post through the top nail hole provided. (Figure C.2)
 - Continue this process for full height of wall, making sure each corner post interlocks with the previous corner.
 - If the last panel requires cutting, fasten with a color matched finish nail.
 - If necessary, trim the last corner post to match angle of roof line (mitered wall).

D. CARE AND MAINTENANCE

Harbor Mill™ Shake and Shingle requires little to no maintenance but like all products exposed to atmospheric conditions, cleaning may be required from time to time. Yearly is recommended.

Dirt, grime, and chalk can be removed with a garden hose and a bucket of soapy water. The use of a power washer is NOT recommended and could VOID warranty.

For stubborn stains such as mold or mildew, which may appear as black, gray or green spots on the panel surface and usually where siding is not subject to rainfall, the following solution is recommended:

Mix together: $\frac{1}{3}$ cup of detergent (Tide...etc.)
 $\frac{2}{3}$ cup of Trisodium (Soilax...etc.)
 4 quarts of water

If this solution does not remove the mold or mildew, request a mold and mildew type cleaner from your contractor. Apply the cleaning solution and allow to stand for several minutes to loosen dirt. Rinse the siding thoroughly with clean water to avoid staining and or streaking.



CAUTION: Please follow all precautions and warnings listed on the product labels of chemicals referenced above to prevent personal injury.

- Damage to the surface may occur if recommended concentrations are exceeded.
- Avoid contact with skin and eyes while using cleaning compounds and solutions.
- Abrasive-type cleaners and strong solvents may damage the product and finish. Always test cleaners on a small inconspicuous area before applying to any major area.



FIRE SAFETY INFORMATION:

Harbor Mill Shake and Shingle siding is made from organic materials and is NOT designed to withstand extremely high application temperatures.

- Like other organic products such as wood, the product may be damaged when exposed to a significant source of flame or heat.
- Cautions must be applied when using outdoor grills, heating guns, blow torches, electrical equipment, and other heat sources in close proximity to the siding.
- Building owners, occupants and maintenance personnel should always take precautions to keep combustible materials and trash away from siding products.

***Please call Customer Service for additional inquiries at 1-800-669-4711.**

***For additional information, visit our Homepage for Installers. TAP or SCAN the QR code.**

