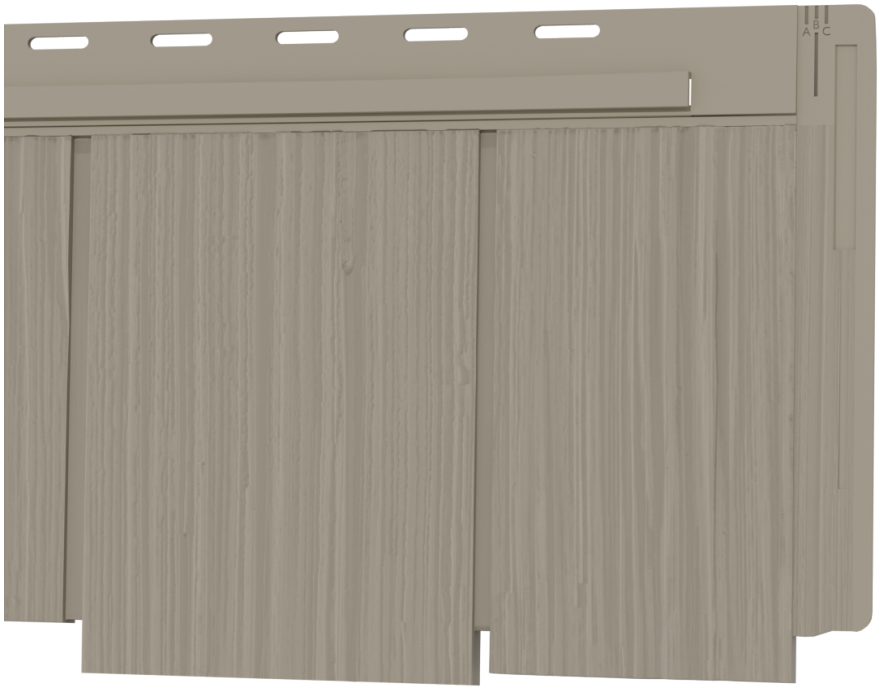
INSTALLATION AND MAINTENANCE INSTRUCTION

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

ProVia®
THE PROFESSIONAL WAY

GETTING STARTED

IMPORTANT!

**** 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.*

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

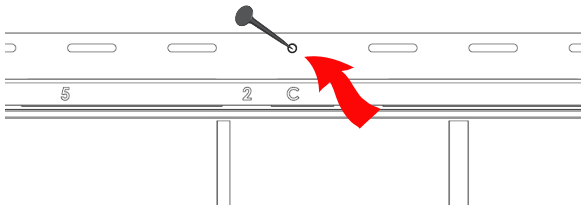
A. BASIC INSTALLATION METHODS

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 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 3⁄8" gap in receiving channel, such as corner posts and J-channels. Leave a 1⁄4" gap when above 40 degrees.

CONTROL EXPANSION & CONTRACTION

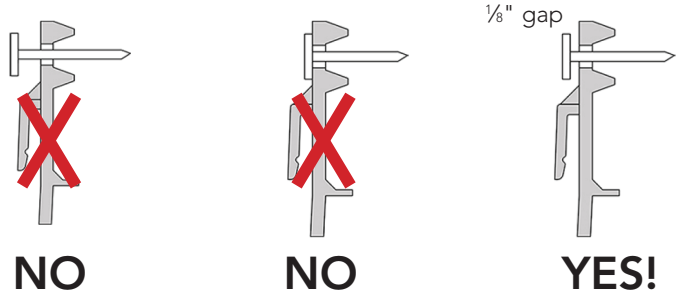


(Figure A.1)

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)*

A. BASIC INSTALLATION METHODS *(CONTINUED)*

PROPER NAILING TECHNIQUE

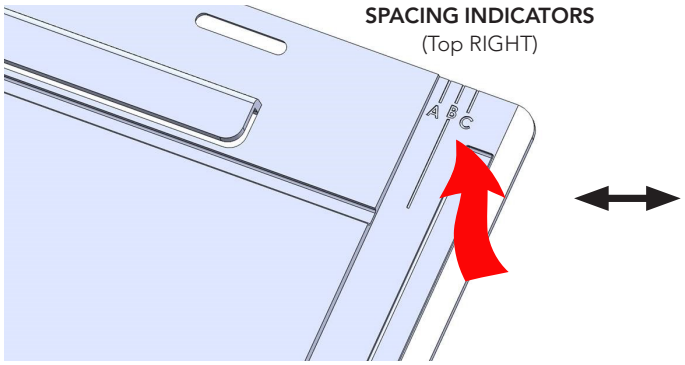


(Figure A.2)

5 **DO NOT NAIL PANEL TIGHT and DO NOT FACE NAIL.** There should be approximately ⅛" of space between the nail head and siding panel to allow for normal expansion and contraction. *(Figure A.2)*

B. PANEL SPACING GUIDELINES

SPACING REQUIREMENTS



(Figure B1.1)

USE CORRESPONDING SPACING INDICATOR PER TEMPERATURE CONDITION

SPACING INDICATOR	TEMPERATURE CONDITIONS
LINE 'A'	76° 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

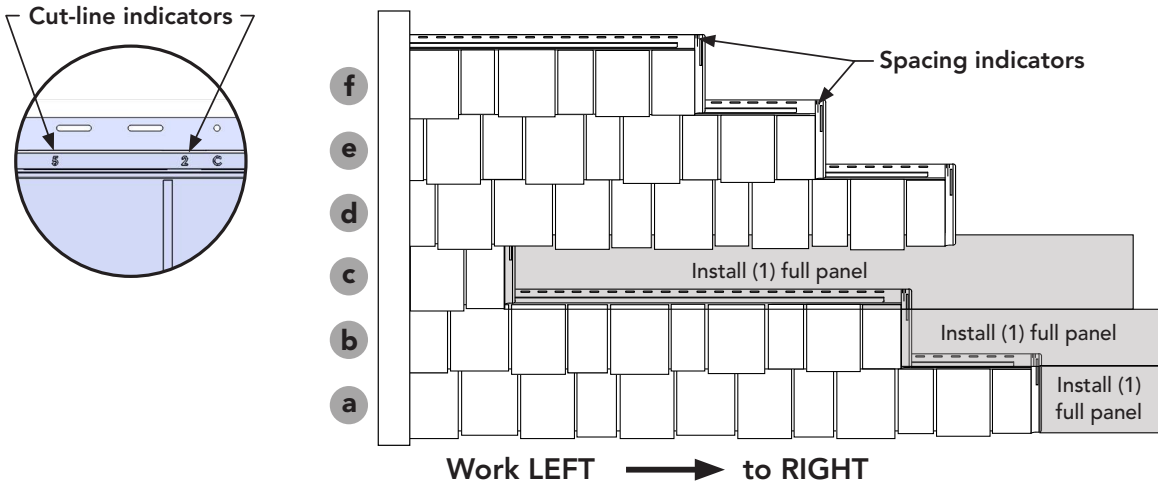
⚠ **IMPORTANT!** Harbor Mill™ Shake and Shingle, as with any polymer siding, expands and contracts with temperature change. For this reason, it is important that panels are spaced properly when interlocking each piece. Failure to allow for proper spacing may result in gaps that are too large or too small, 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 to identify the proper spacing indicator based on the 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 ¾" receiving pocket around the doors and windows.

B. PANEL SPACING GUIDELINES *(CONTINUED)*

RECOMMENDED PANEL CUT PATTERN



(Figure B.2)

3 For BEST appearance, work from LEFT to RIGHT following the recommended stagger pattern. To eliminate stacked seams, continue to repeat the 5-step cut pattern for the full wall height. *(Figure B.2)*

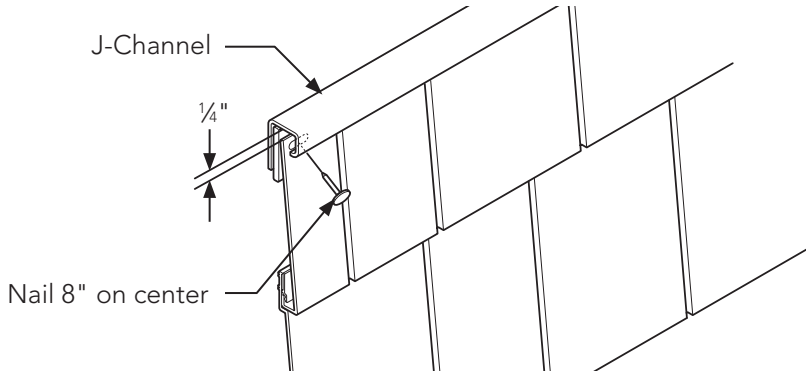
- **a** Start the FIRST row with a full panel. Follow with another full length panel.
- **b** Cut panel on cut-line indicator **1** and install. Follow cut panel with (1) full length panel.
- **c** Cut panel on cut-line indicator **2** and install. Follow cut panel with (1) full length panel.
- **d** Cut panel on cut-line indicator **3** and install.
- **e** Cut panel on cut-line indicator **4** and install.
- **f** Cut panel on cut-line indicator **5** and install.
- **g** Repeat Steps 3a - 3f for the full height of wall.

4 Make sure each 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.**

C. ACCESSORY INSTALL GUIDELINES

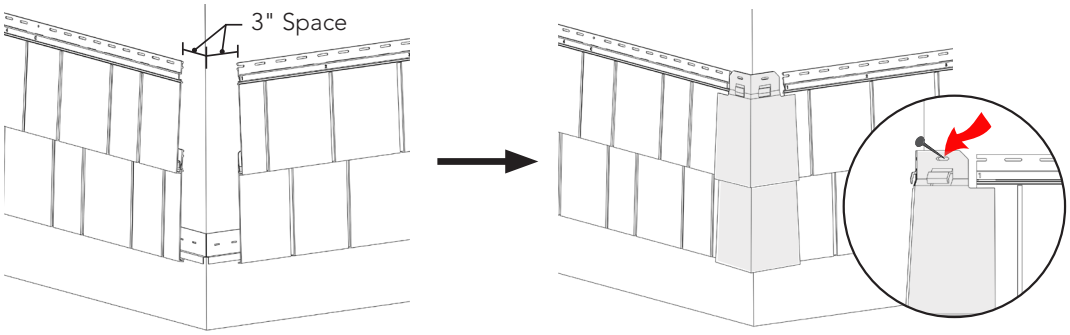
J-CHANNEL FINISH DETAIL



(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 and grime can be removed with a garden hose and a bucket of soapy water. Start at the top and work down to avoid streaking. If needed, use a soft bristle brush. ***Note, 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: **⅓ cup of detergent (Tide®...etc.)**
⅔ 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 Support for additional inquiries at 1-800-669-4711.***

TAP or SCAN the QR code.

For additional info, visit our Installation Support Homepage

VIDEO: Harbor Mill™ Shake and Shingle Installation Tips

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ProVia® THE PROFESSIONAL WAY

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