



## AZEK Shingle Siding Install Guide

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- AZEK Shingle Siding should be installed using the same good building principles used to install traditional siding products and in accordance with the local building codes and the installation guidelines included below. AZEK Building Products accepts no liability or responsibility for the improper installation of this product.
- AZEK Shingle Siding may not be suitable for every application and it is the sole responsibility of the installer to be sure that AZEK products are fit for the intended use. Since all installations are unique, it is also the installer's responsibility to determine specific requirements for each application.
- AZEK Building Products recommends that all applications be reviewed by a licensed architect, engineer or local building official before installation. If you have any questions or need further assistance, please call AZEK Customer Service at 1-877-ASK-AZEK, (877) 275-2935 or visit our website at [AZEKexteriors.com/products](http://AZEKexteriors.com/products).

## STORAGE & HANDLING

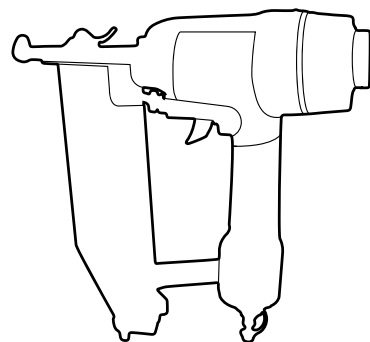
- Store AZEK Shingle Siding laying down on a flat and level surface that fully supports the product.
- Avoid storing AZEK Shingle Siding in areas of excessive heat, such as on asphalt, in direct sunlight, or under dark tarps or coverings.
- Always leave the manufacturer's protective wrap on the product until installation. If removed, replace the protective wrap, or use a different non-translucent cover, to keep the product free from dust and construction debris.
- If banding is used, place protective corners between the product and banding to prevent indents.
- Frozen panels may become more susceptible to damage. Handle with extra care when temperatures are below freezing.
- Always remove job site dust, clay, dirt, mud, debris and other job site contaminants and products from AZEK Shingle Siding right away.
- **IMPORTANT:** Do not allow airborne dust from concrete, landscape blocks, or any masonry product to accumulate on AZEK Shingle Siding as they may damage the surface.

## TOOLS REQUIRED

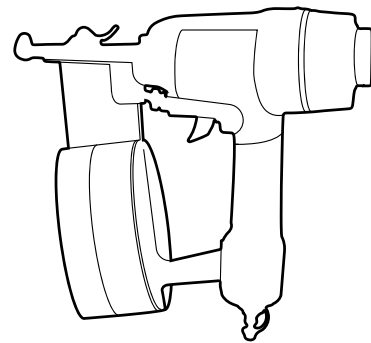
AZEK Shingle Siding can be installed with a minimum number of readily available tools. Many other tools are available that can be used for installation. All tools should be used in accordance with the manufacturer's instructions.

Some of the basic tools required for installation:

- Hammer
- Chalk Line
- Tape Measure
- Jig Saw
- Square
- Level
- Coil Siding Nailer
- Finish Nailer
- Miter Saw or Circular Saw
- Caulking Gun
- Pencil or Marker
- Safety Glasses



Finish Nailer



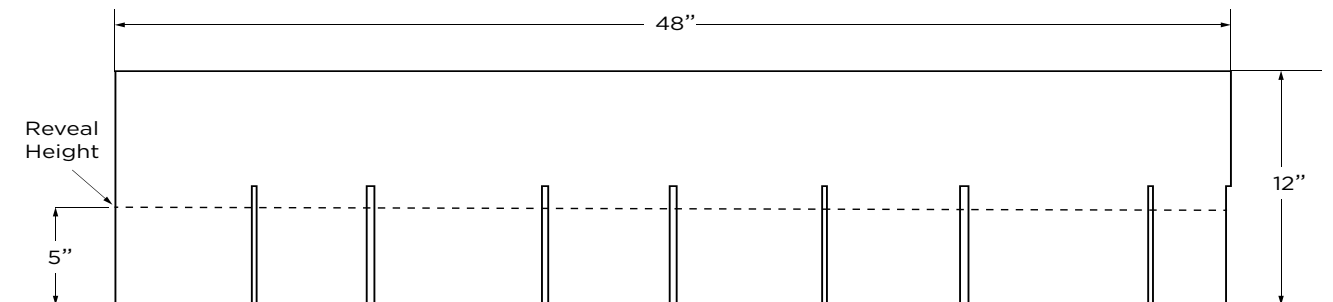
Coil Siding Nailer

## IMPORTANT

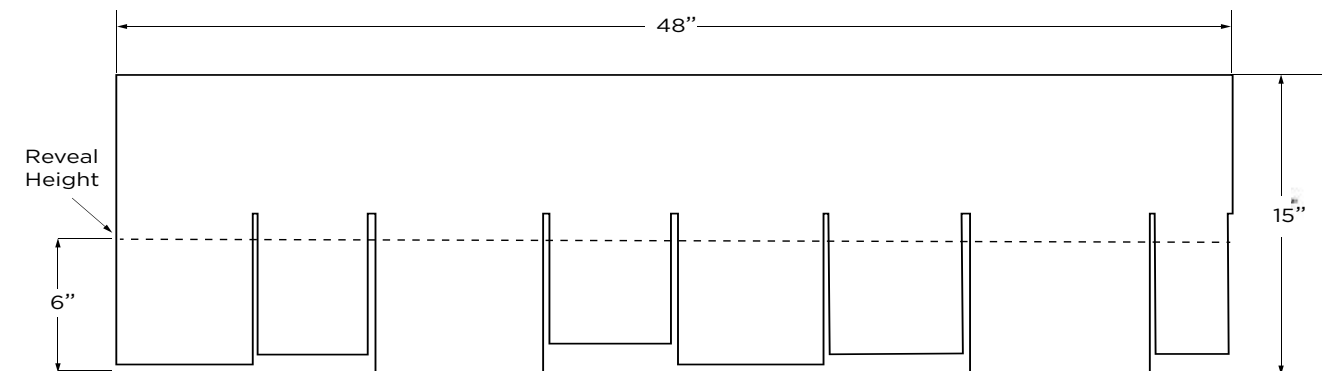
The building structure and outside wall must be built to code and be weather-tight and waterproof prior to installing AZEK Shingle Siding. AZEK Shingle Siding will not solely protect against moisture penetration to the building or structure. Refer to your local building codes for wall construction, house wrap waterproofing, flashing and other wall preparations prior to installing AZEK Shingle Siding.

## AZEK SHINGLE DIMENSIONS

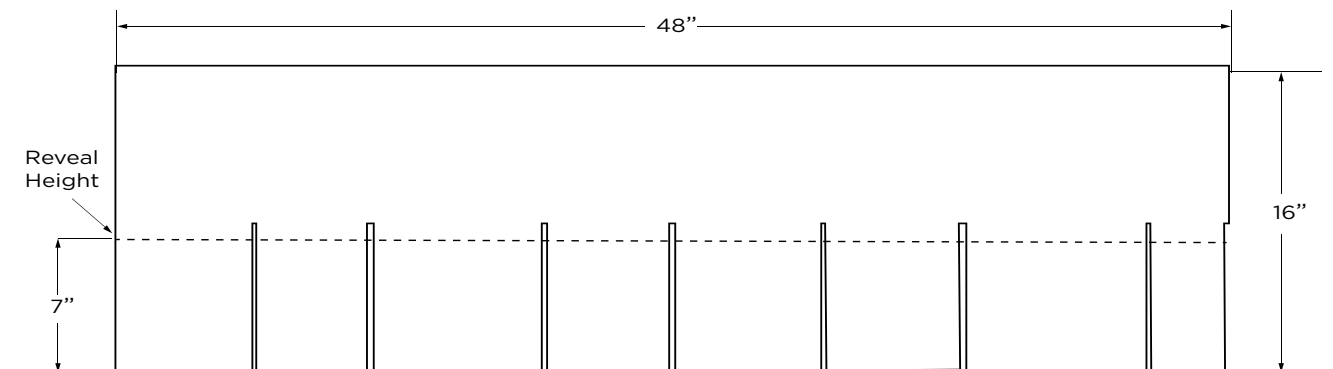
5" Reveal Straight Edge Shingle Panel  
(60 panels per square)



6" Reveal Staggered Edge Shingle Panel  
(50 panels per square)



7" Reveal Straight Edge Shingle Panel  
(43 panels per square)



## TRIM CONSIDERATION

Use a minimum 1" trim thickness (actual) to ensure proper coverage of the total buildup of AZEK Shingle Siding. If you are using AZEK Rabbeted Trim, build up behind the trim 1/4" to create a large enough channel for the shingle panels to fit into. Rip cut pieces of AZEK Shingle can be used as the 1/4" shim.



## ENVIRONMENTAL CONSIDERATIONS

AZEK Shingle panels will experience expansion and contraction with changes in temperature, unlike wood and other products whose size will fluctuate with moisture changes. Fastening the boards according to the Installation Guidelines will help to minimize the effects of expansion and contraction.

- Expansion/contraction is most significant where extreme temperature changes may exist.
- Prior to and during installation, keep panels as cool as possible by keeping them covered or out of direct sunlight.
- BELOW 40°F: always leave a minimum 1/16" gap between panels.
- ABOVE 40°F: the panels can be installed tight or with a 1/16" gap between panels.
- EXTREME COLD: use extra care when handling and installing the product.

## EXTREME HEAT WARNING

Be aware of excessive heat on the surface of AZEK Shingle Siding from external sources, such as (but not limited to) fire or reflection of sunlight from energy-efficient window products. Low-emissivity (Low-E) glass can potentially harm AZEK products. Low-E glass is designed to prevent passive heat gain within a structure and can cause unusual heat build-up on exterior surfaces from sunlight reflection. This extreme elevation of surface temperatures, which can exceed that of normal exposure, can possibly cause AZEK products to melt, sag, warp, discolor, increase expansion/contraction, and accelerate weathering.

## CUTTING

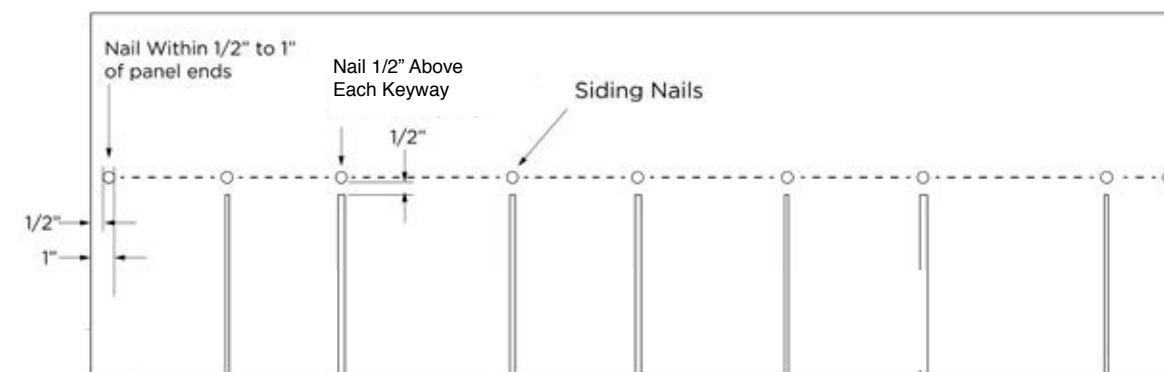
For best cutting results, use a miter saw or a circular saw with a fine-toothed, carbide tipped finish trim blade. To cut around obstructions, use a jigsaw with a fine-toothed blade.

When working with AZEK products, be sure to wear proper clothing and safety equipment. Safety glasses should be used during the entire installation process.

## PANEL FASTENING

Due to the lifespan of AZEK Shingle Siding, a high-quality fastener as outlined below is recommended. **DO NOT USE A ROOFING OR FRAMING NAILER TO INSTALL AZEK SHINGLE SIDING.** The use of a Coil Siding Nailer is recommended for ease of installation.

- Corrosion-resistant exterior rated nails, such as hot-dipped galvanized. For best results use stainless steel
- Nail gauge range: 0.080 to 0.099
- Nail length range: 1-1/2" to 2"
- Fasteners should be snug or flush. **DO NOT OVER DRIVE**
- For salt water coastal applications, use 316 stainless steel fasteners
- Fasten the panels 1/2" above each keyway, and 1/2" to 1" from each edge.
- Fasteners landing more than 1" left or right of the edges or keyways may leave them exposed

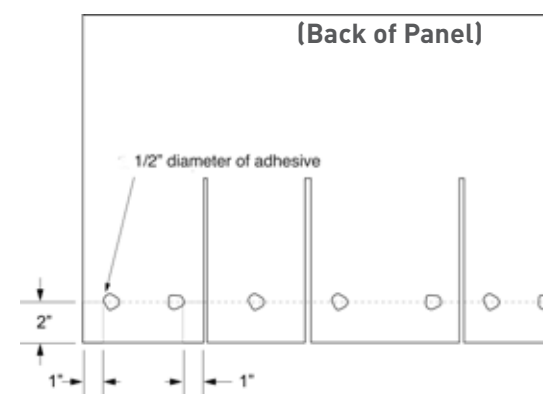


## TAB FASTENING

In addition to fastening each panel, each individual tab must be adhered or pinned with finish nails.

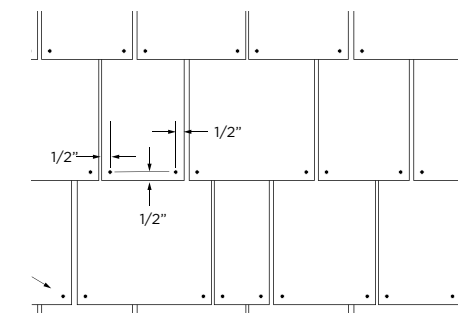
### OPTION A - ADHESIVE

- To be done PRIOR to fastening panel.
- Use an exterior-grade, flexible sealant such as AZEK Fill & Flex to secure the tabs as show below.



### OPTION B - FINISH NAIL

- To be done AFTER fastening panel.
- Use 1-1/2" 15 or 16 gauge stainless steel finish nails to secure the bottom of each tab. Use 2 per tab 1/2" from the bottom and both edges. Fasteners should be snug or flush. Do not over drive.



## PAINTING REQUIREMENTS

If your desired color does not meet a Light Reflective Value (LRV) of 55 or higher you must either choose a pre-set color from a paint designed for vinyl or have the color matched using a specialty paint with solar reflective pigments. Paints formulated for vinyl and paints with solar reflective pigments are designed to limit heat build and ensure the long term performance of your PaintPro® products. Always make sure your paint is suitable for exterior application.

- AZEK Shingle siding must be painted within 180 days of installation.**
- To maximize paint performance, the product should be kept covered and away from sunlight before installation at a job site.
- The surface must be clean, dry, and void of any foreign material such as dirt, oil, grease or other contaminants that may come from normal handling, storage and/or installation prior to painting. Refer to the storage and handling guidelines on page 2 for more details.
- Paints used on AZEK Shingle siding will dry to the touch quickly. As with any product, ensure the panels are properly cured before handling and stacking.
- DISCLAIMER:** The Lifetime Limited Warranty on AZEK Shingle Siding does not cover the performance of painted finishes or coating applied to the product by the original purchaser or any third party.

COLOR RANGE	KEY COLOR SELECTION CRITERIA	PAINT TYPE
Lighter paint colors only	Must have a light reflective value (LRV) above 55	Exterior 100% Acrylic Latex
Light, medium and some darker colors	Only use colors that are from a paint manufactures' approved color list for vinyl siding. No custom colors.	Exterior 100% Acrylic Latex made for Vinyl Siding
All colors including dark and custom colors	Not available at most retail locations. Available online at: <a href="http://www.aqua-diy.com/azek/">www.aqua-diy.com/azek/</a>	Water-Based Solar Reflective Coatings

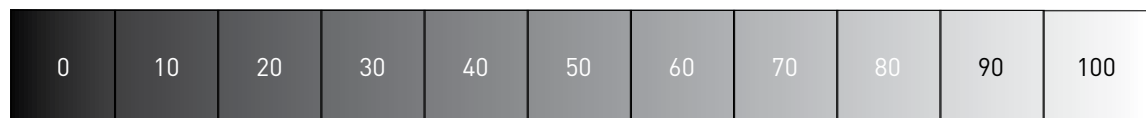
**\*\*Using 100% Exterior Grade Acrylic Latex paint colors with LRV less than 55 may lead to excessive expansion and contraction of your trim and will void your warranty.**

 **No Custom Colors: Unless made with solar reflective paint.**

What is Light Reflective Value (LRV)?

LRV is a measure of the total amount of light reflected by a painted surface. LRV for a paint can typically be found on a manufacturer's website or often can be found on in-store color cards. When using a 100% acrylic latex exterior paint, ensure the color has an LRV of 55 or above.

LRV Scale



BLACK

WHITE

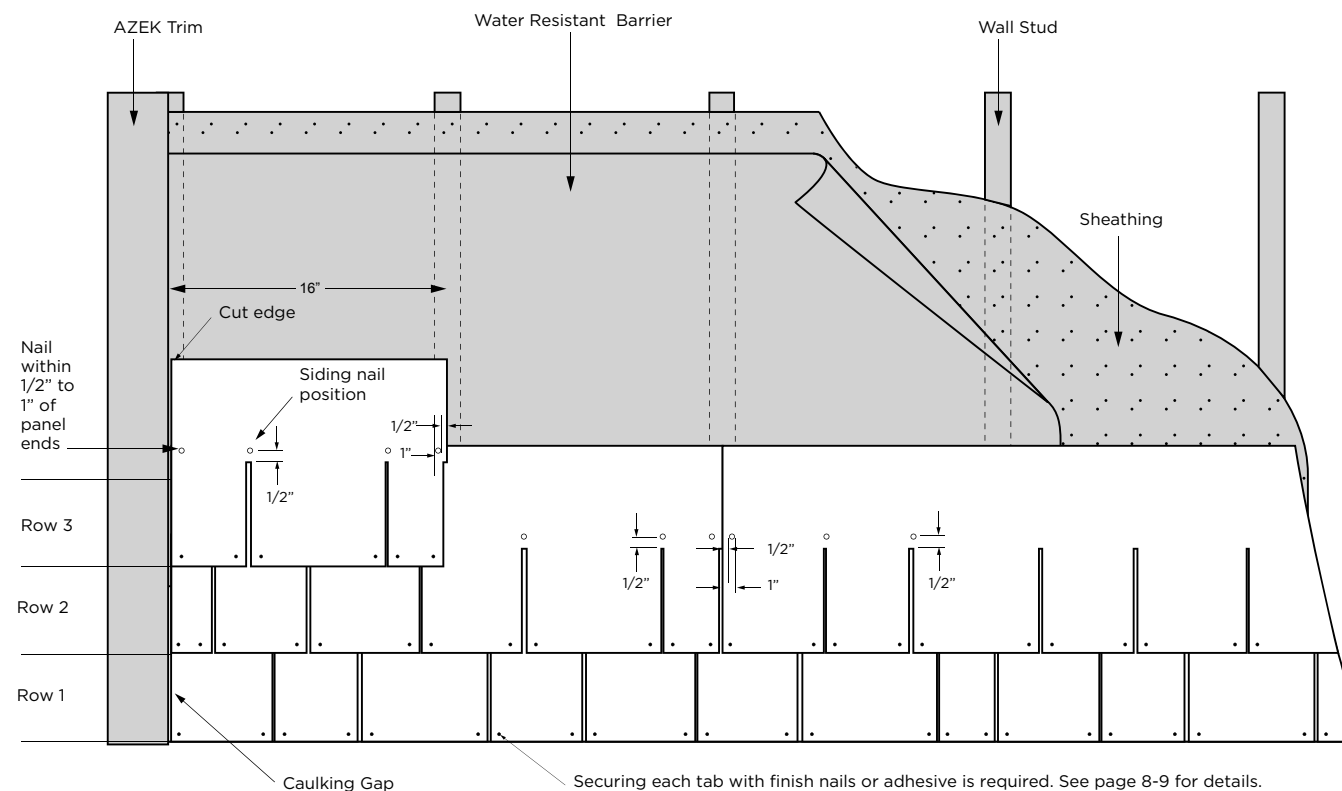
Additional Paint Warranty Information:

For premium finish with an extra 15-year limited paint and labor warranty, use AquaSurTech D100 paint or TruStain products. Order online: [www.aqua-diy.com/azek](http://www.aqua-diy.com/azek)

## INSTALLATION PREPARATION

Follow these guidelines for best vertical installation:

- Prior to installation, be sure that the wall is structurally sound, weather-tight, and that there are no nails or screws protruding.
- Minimum 7/16" OSB sheathing is required behind AZEK Shingle Siding to ensure proper fastening and wind-load performance.
- Identify any utilities behind AZEK Shingle Siding and sheathing. Take proper measures to ensure utilities are not damaged by fasteners.
- Ensure the walls and substructure are flat and even, as the AZEK Shingle Siding panels will conform to the surface contour of the wall.
- If using square edge Trim, leave the proper gap for caulking as recommended by the caulking manufacturer.



## IMPORTANT: CHOOSE TAB SECURING METHOD

Each tab is required to be secured using adhesive or finish nails. Prior to installing any panels, determine which method is better suited for the installation and environmental conditions.

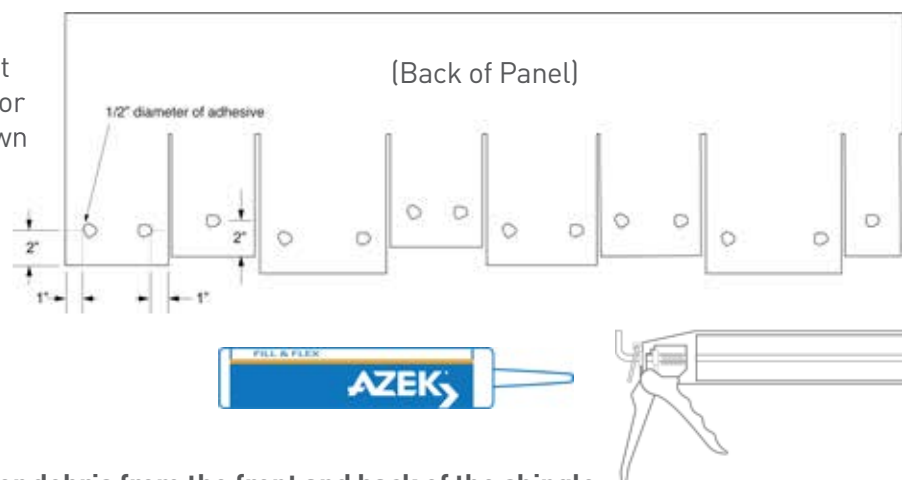
If adhesive is used, it must be applied to the back of each tab prior to being fastened to the wall. Adhesive is for installations above 35°F only.

If finish nails are used, this process is done after the shingle panels are secured to the wall. See page 9 for more details.

## TAB FASTENING WITH ADHESIVE (OPTION A)

It is critical to follow the instructions and best practices below to reduce the risk of adhesive failure.

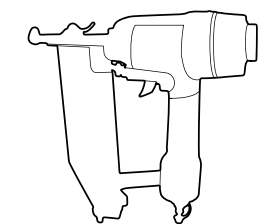
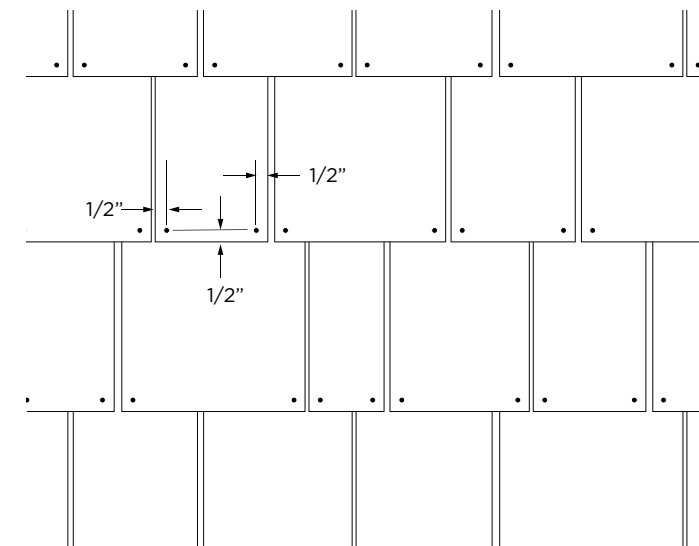
- For installations above 35°F only. Keep adhesive at room temperature to aid application from tube. Adhesives will cure slowly at colder temperatures and may not cure at all below 32°F
- Ensure the framing and sheathing is flat and even prior to installing panels
- Wipe down all panels, front and back, to ensure they are clean and dry. Dust and debris can cause adhesive failure
- After ensuring a proper fit, lay the panel face-down with the tabs facing away and apply adhesive
- Using a recommended adhesive, apply 1/2" diameter dollops of adhesive on the back of each tab as shown
- Place the panel into its position and fasten using the specified fasteners, fastening pattern and gapping instructions.
- Firmly press down on each tab to facilitate proper contact between each tab and the panel beneath it
- Any adhesive squeeze out can be wiped off with a clean rag and mineral spirits, or can be touched up with paint after it dries
- For any areas with uneven framing or tabs that will not stay flat, use painters tape or pin nails to hold the tab down until the adhesive is cured
- Always follow the adhesive manufacturer's application guidelines



**IMPORTANT:** Wipe off any dust or debris from the front and back of the shingle panel to ensure direct contact between the adhesive and panel.

## 7. TAB FASTENING WITH FINISH NAILS (OPTION B)

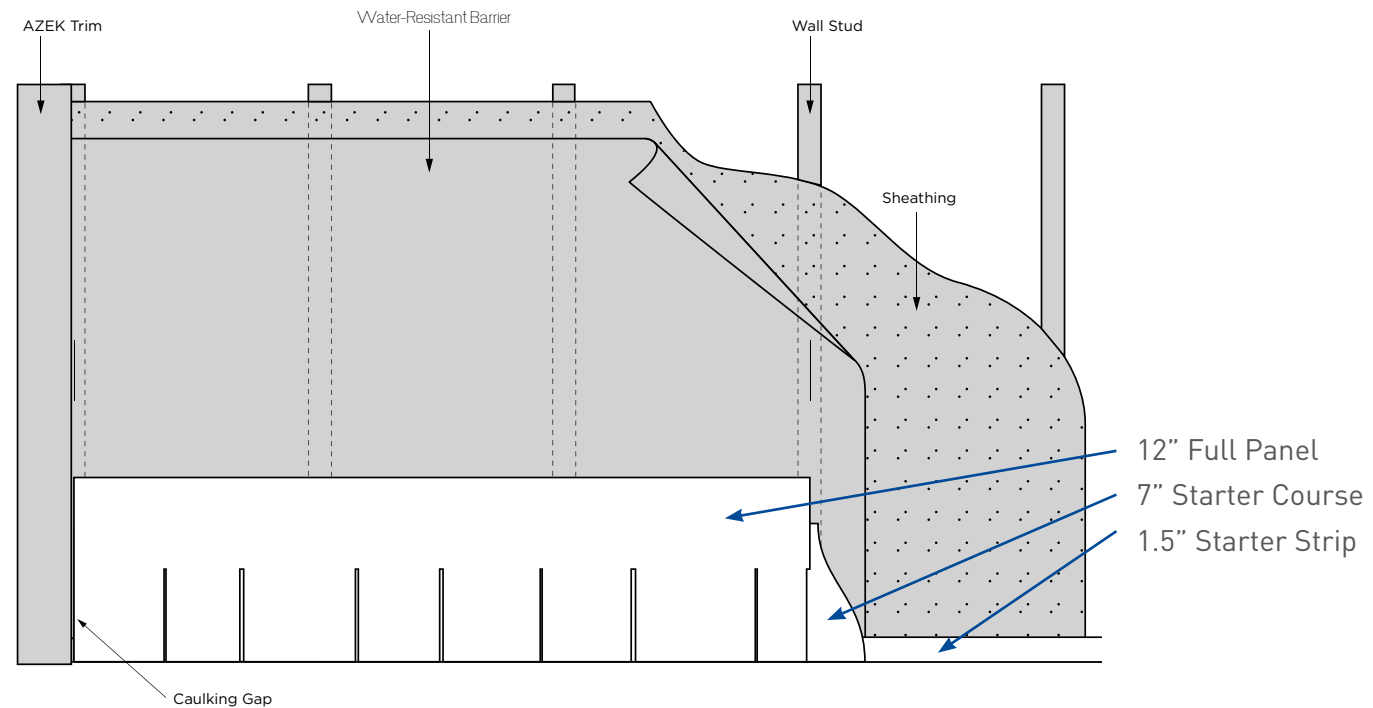
- **IMPORTANT:** If the tabs were not fastened with adhesives, it is recommended to fasten each tab with finish nails.
- Use 1-1/2" 15 gauge or 16 gauge stainless steel finish nail to secure the bottom of each tab in two locations 1/2" from the bottom and both edges.
- Fasteners should be snug or flush. Do not over drive.



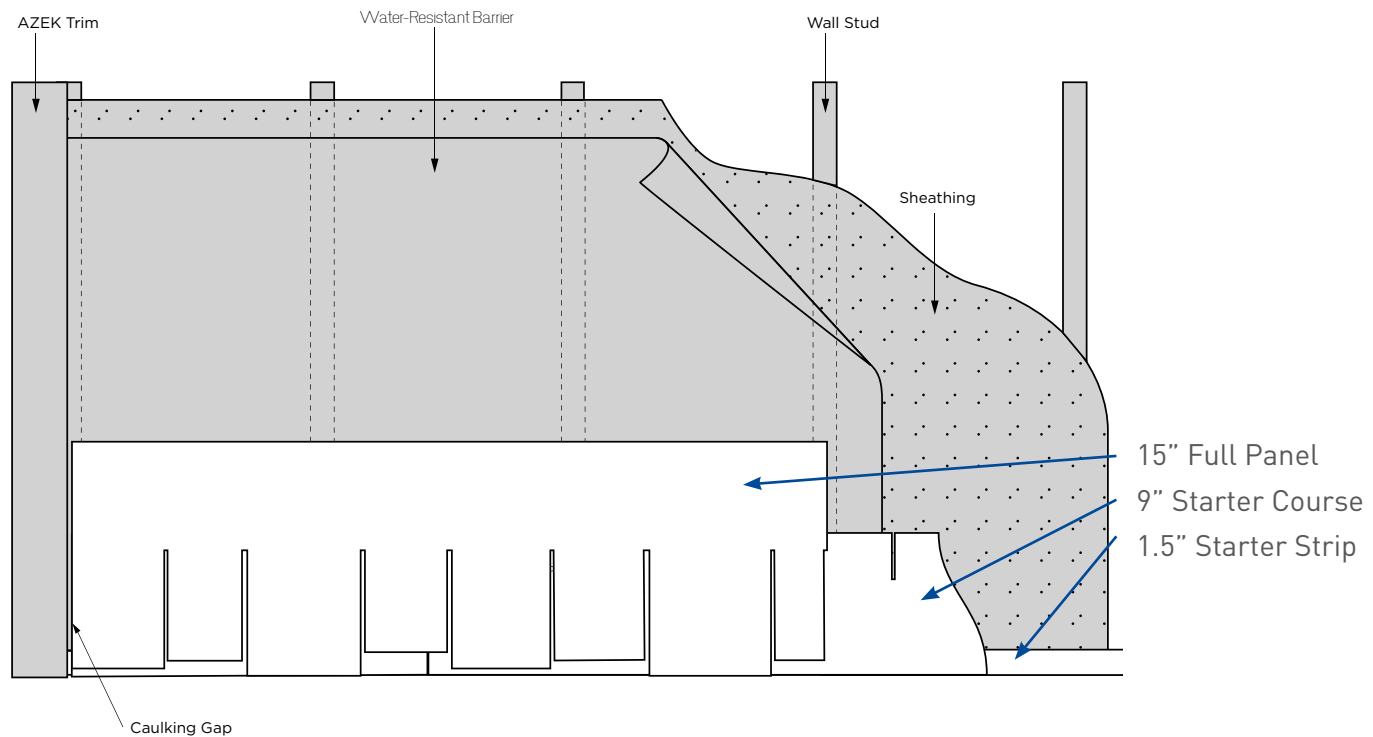
Finish Nailer

## STARTER STRIP, STARTER COURSE & PANEL STACK UP

### 5" REVEAL STRAIGHT EDGE SHINGLE PANEL

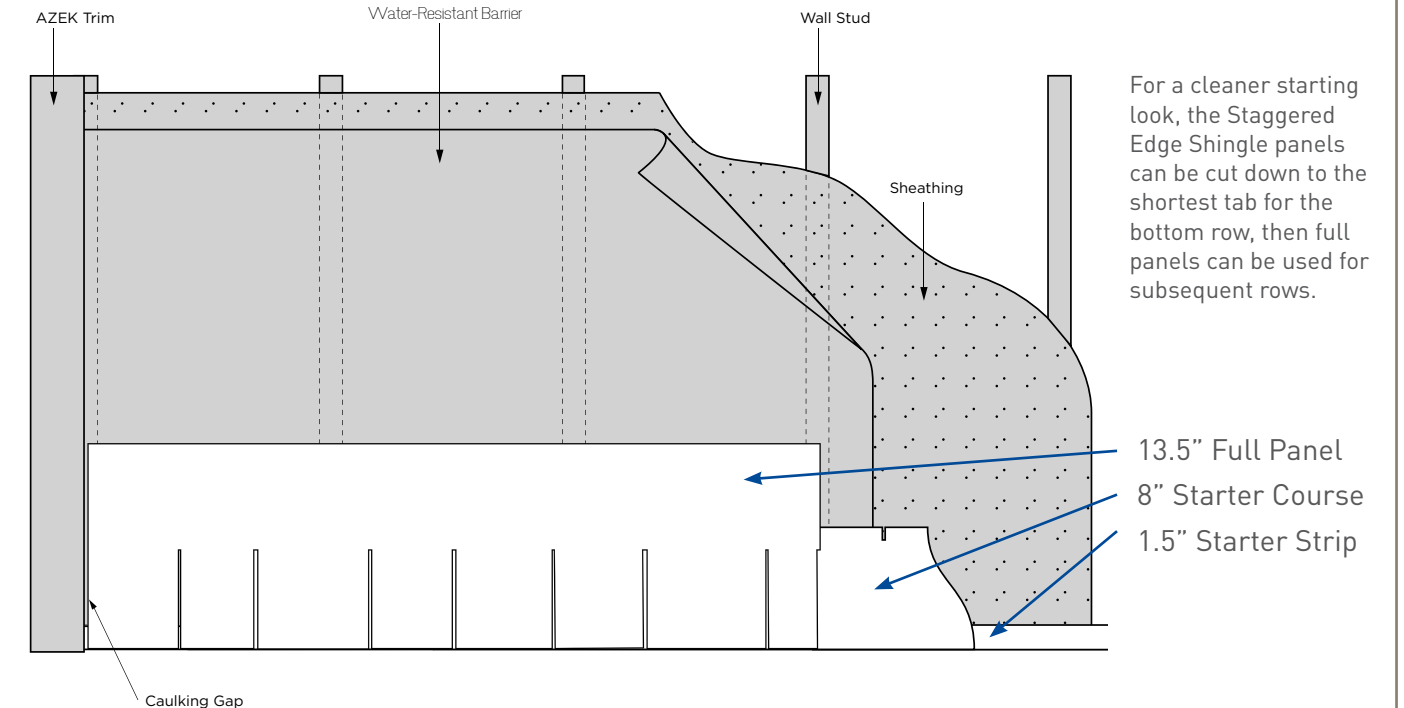


### 6" REVEAL STAGGERED EDGE SHINGLE PANEL

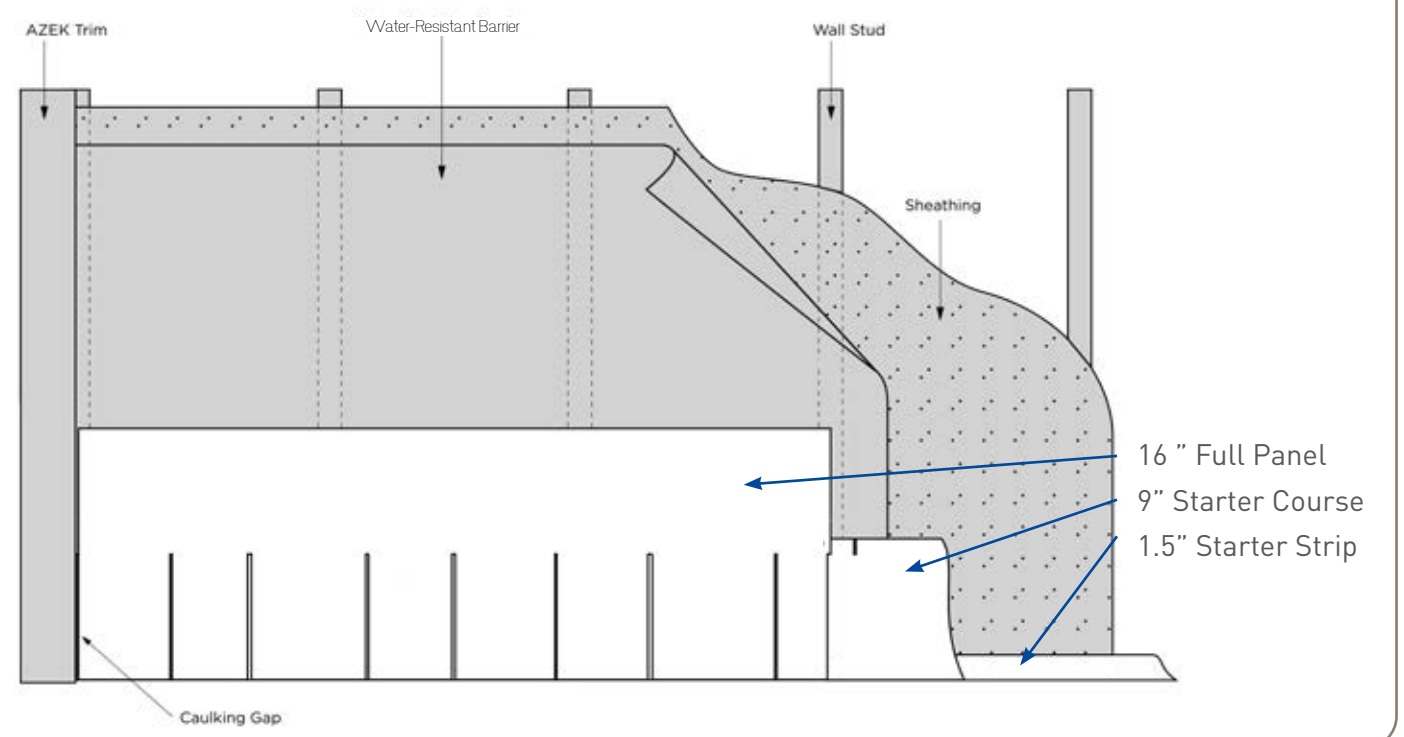


## STARTER STRIP, STARTER COURSE & PANEL STACK UP

### MODIFIED 6" REVEAL STAGGERED EDGE SHINGLE PANEL



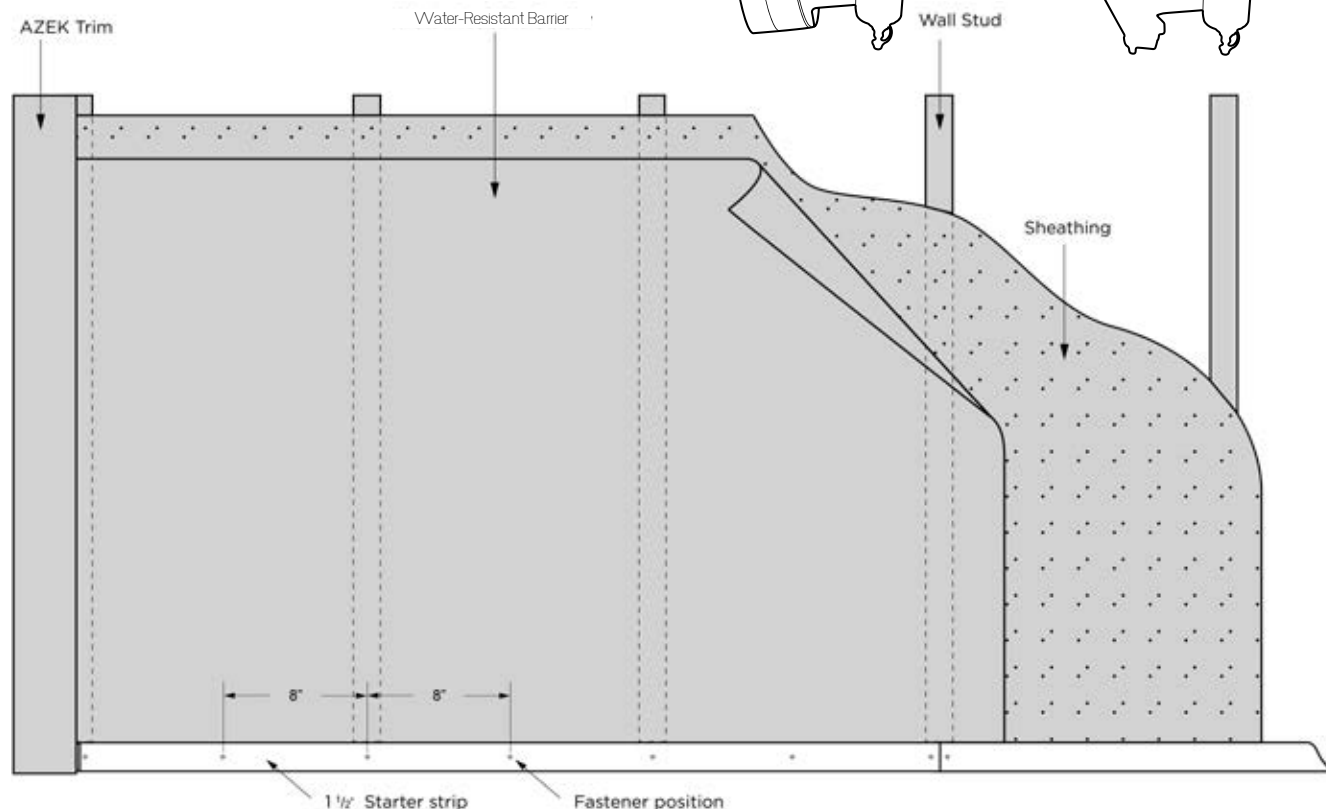
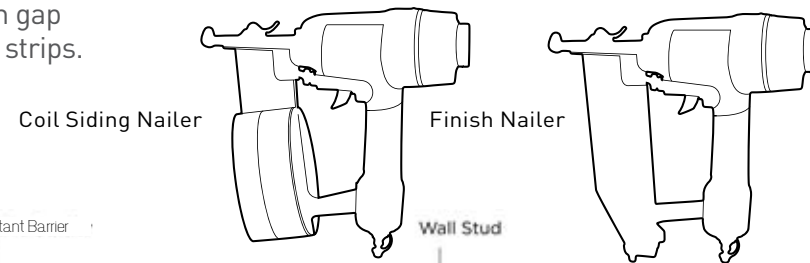
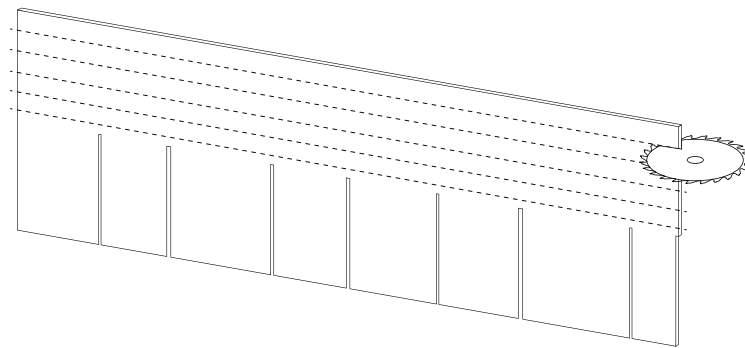
### 7" REVEAL STRAIGHT EDGE SHINGLE PANEL





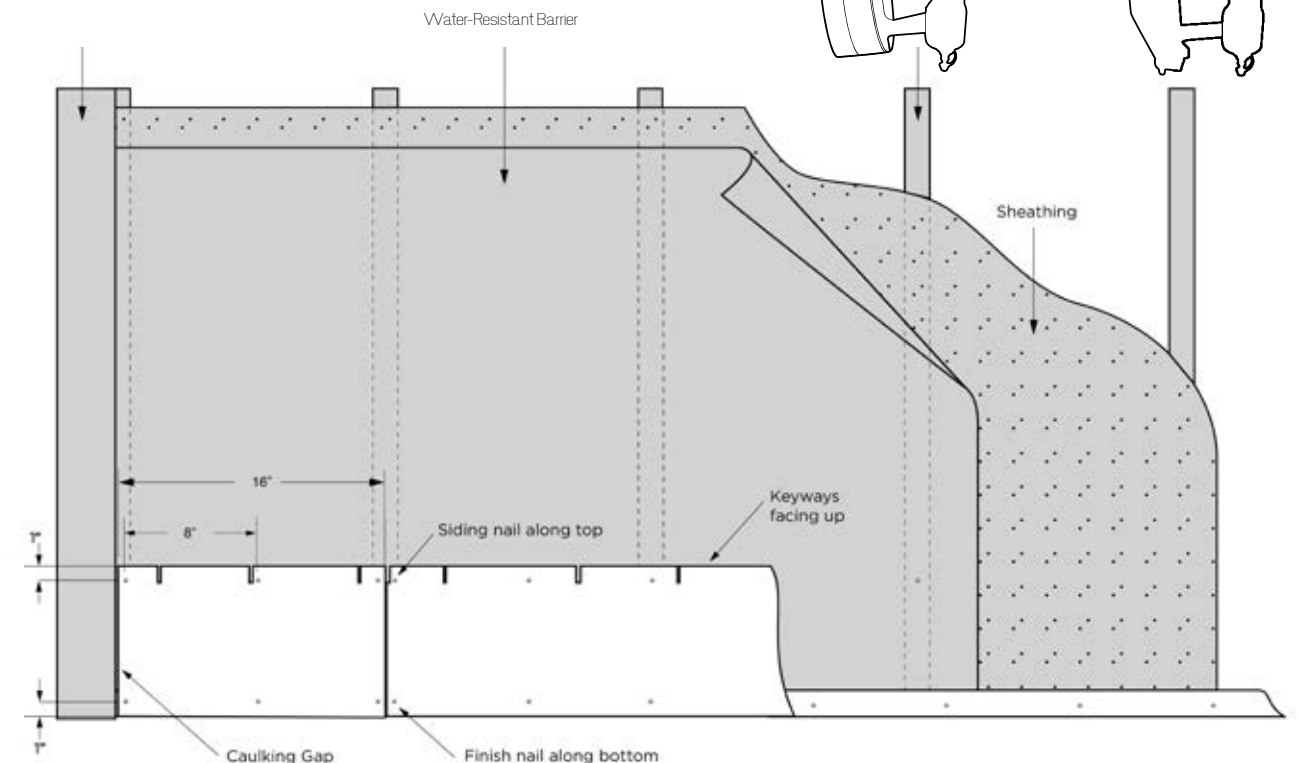
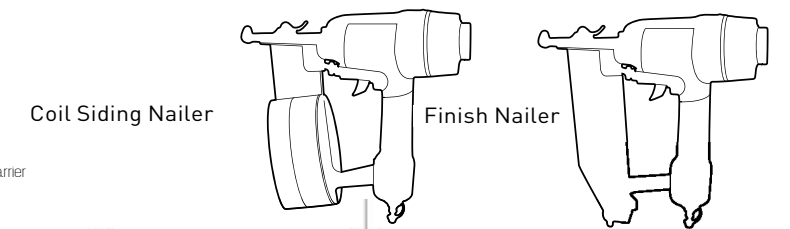
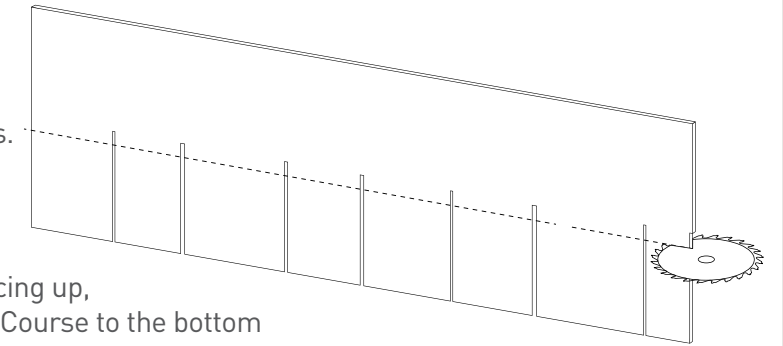
## 1. STARTER STRIP

- Cut Starter Strips to the required height (see pages 10-11) from the tops of full panels. Keep the left over tabs for finishing pieces.
- Line up the bottom of the Starter Strips with the bottom of the installation area. If installing above flashing, leave an adequate gap to allow water to escape.
- If using square edge trim, leave the proper gap for caulking as recommended by the caulking manufacturer.
- Attach the Starter Strips to the wall using 1-1/2" 15 or 16 gauge stainless steel finish nails every 8", along with a finish nail 1" from each end.
- Install the Starter Strips end to end along the bottom length of the installation area.
- If BELOW 40°F: leave a 1/16" expansion gap between edge trims and adjacent start strips.



## 2. STARTER COURSE

- Cut Starter Courses to the required height (see pages 10-11 ) from the tops of full panels. Keep the left over tabs for finishing pieces.
- Cut 32" from the left side of the Starter Course if working from left to right.
- Install with the grain OUT and the keyways facing up, while aligning the bottom edge of the Starter Course to the bottom edge of the Starter Strip.
- If using square edge trim, leave the proper gap for caulking as recommended by the caulking manufacturer.
- Ensure the fasteners do not show through by mapping out the pattern of the first full panels.
- The finish nails may need to be placed higher than 1" from the bottom for Staggered Edge if the first full course is not cut even across the bottom.
- Fasten with the specified siding nails 1" from the top of the panel, and the specified finish nails 1" from the bottom of the panel.
- Continue attaching full length starter course panels end to end along the remaining distance of the wall.
- If BELOW 40°F: leave a 1/16" expansion gap between edge trims and adjacent start courses.



### 3. INSTALL SHINGLES – ROW 1

**IMPORTANT:** Prior to installing the first panels, determine the method of tab security by adhesive OR finish nails. If adhesive is used for tab fastening, follow the instructions on page 8.

If finish nails are used for tab fastening, that can be done after the panels are fastened to the wall. See page 9 for details. No adhesive is required for fastening tabs if finish nails are used.

- Start with a full 48" panel, aligning the bottom of the panel with the bottom of the Starter Course and the Starter Strip.
- If using square edge trim, leave the proper gap for caulking as recommended by the caulking manufacturer.
- Fasten the panel with the specified siding nails 1/2" above each keyway, and 1/2" to 1" from each panel edge.
- Continue installing full panels using the specified fasteners, nailing pattern and gapping instructions.

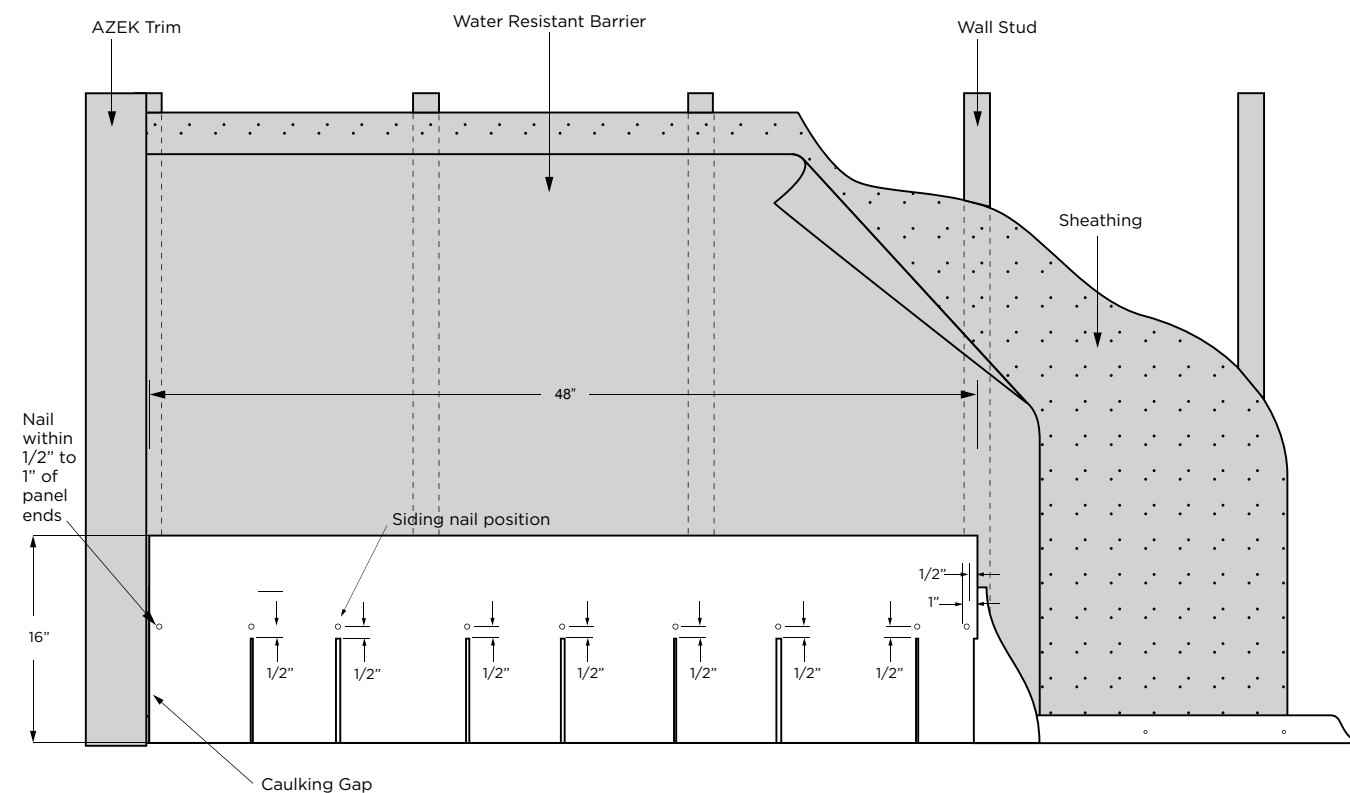
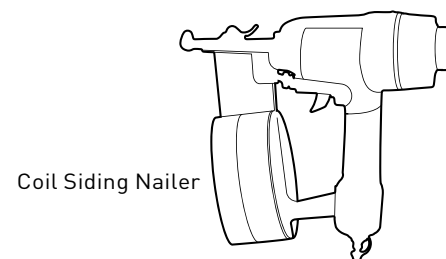


Illustration shows the 7" Reveal Straight Edge Panel product. See page 10-11 for the proper stack up for other reveals.



### 4. INSTALL SHINGLES – ROW 2

- If adhesive is used for tab fastening, follow the instructions on page 8.
- If finish nails are used for tab fastening, that can be done after the panels are fastened to the wall. See page 9 for details. No adhesive is required for fastening tabs if finish nails are used.
- Measure and chalk line the reveal height by measuring from the top of the first course panel; 7" for the 7" Reveal Straight Edge, 6" for the 6" Reveal Staggered Edge, or 5" for the 5" Reveal Straight Edge. Snap the line.
- If working from left to right, measure and cut panels from the left side. If working from right to left, measure and cut panels from the right side.
- Cut 16" from the proper side of the first panel and use the 32" Starter for the second row. Keep the remaining piece to use as a finisher on the opposite side.
- Line up the top of the panel with your reveal height chalk line.
- If using square edge trim, leave the proper gap for caulking as recommended by the caulking manufacturer.
- Fasten the panel with the specified nailing pattern.
- Continue installing full panels using the specified fasteners, nailing pattern and gapping instructions.

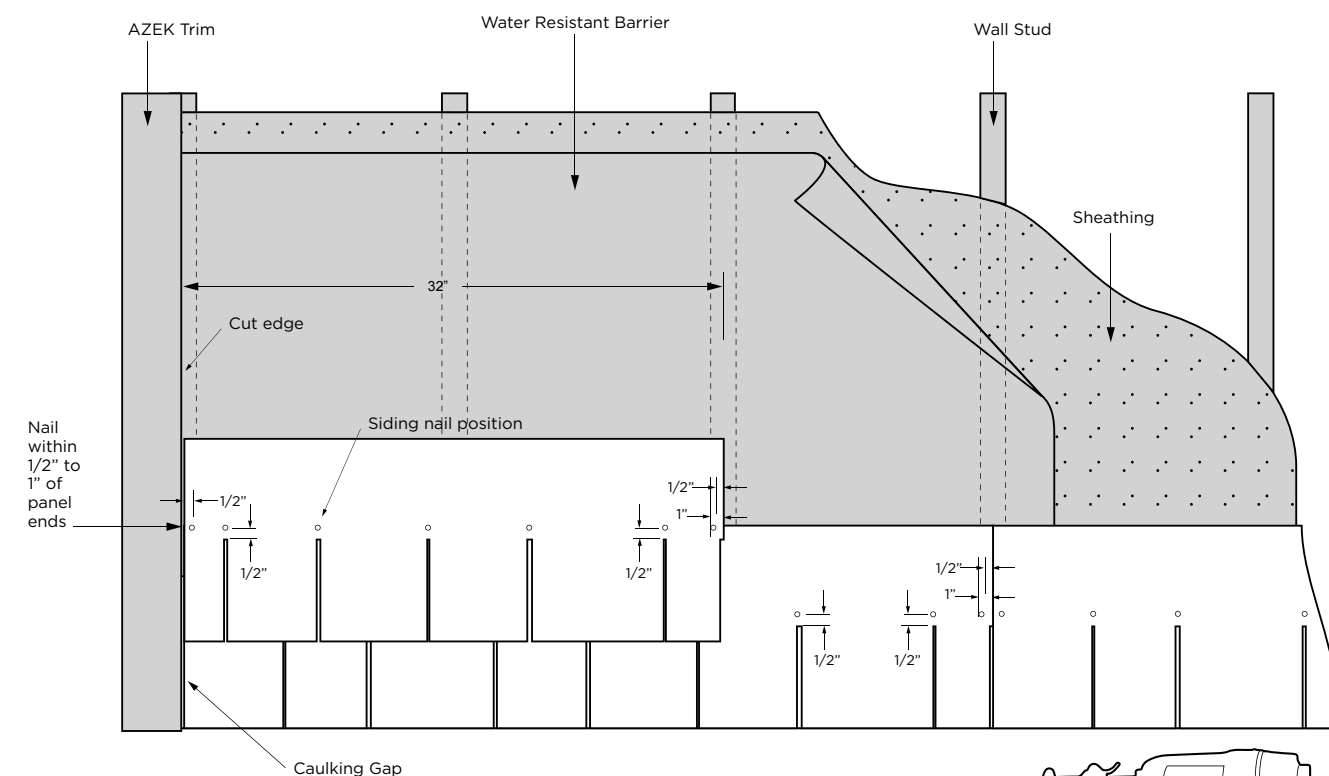
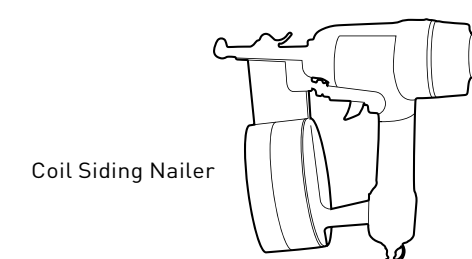


Illustration shows the 7" Reveal Straight Edge Panel. See page 10 and 11 for the proper stack up for other reveals.





## 5. INSTALL SHINGLES – ROW 3

- If adhesive is used for tab fastening, follow the instructions on page 8.
- If finish nails are used for tab fastening, that can be done after the panels are fastened to the wall. See page 9 for details. No adhesive is required for fastening tabs if finish nails are used.
- Cut 32" from the proper side of the first panel to use a 16" Starter for the third row. Keep the remaining piece to use as a finisher on the opposite side.
- Align the top of the panel with the Reveal chalk line.
- If using square edge trim, leave the proper gap for caulking as recommended by the caulking manufacturer.
- Fasten the panel with the specified nailing pattern.
- Continue attaching full panels using the specified nailing pattern and gapping instructions.

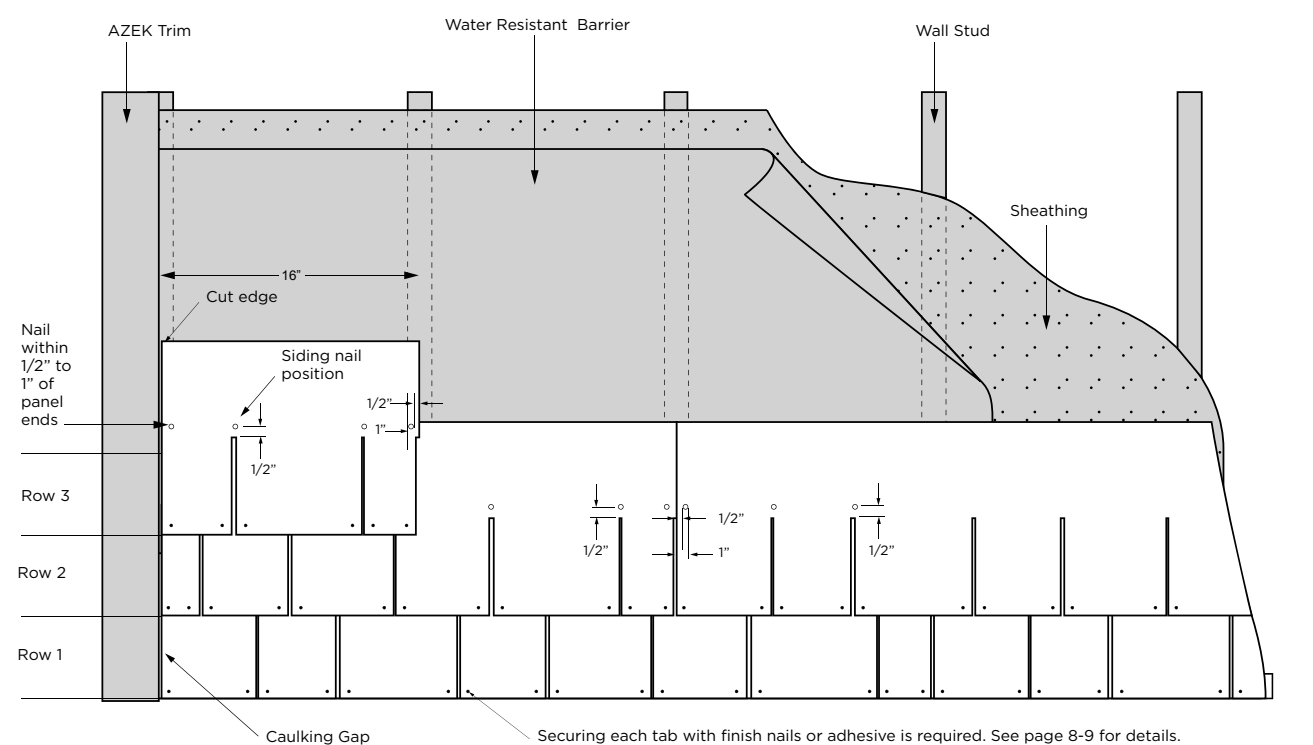
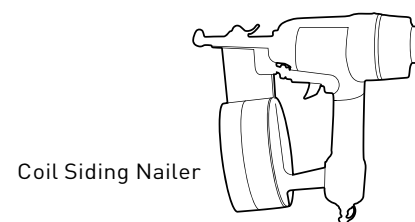


Illustration shows the 7" Reveal Straight Edge Panel. See page 10-11 for the proper stack up for other reveals.



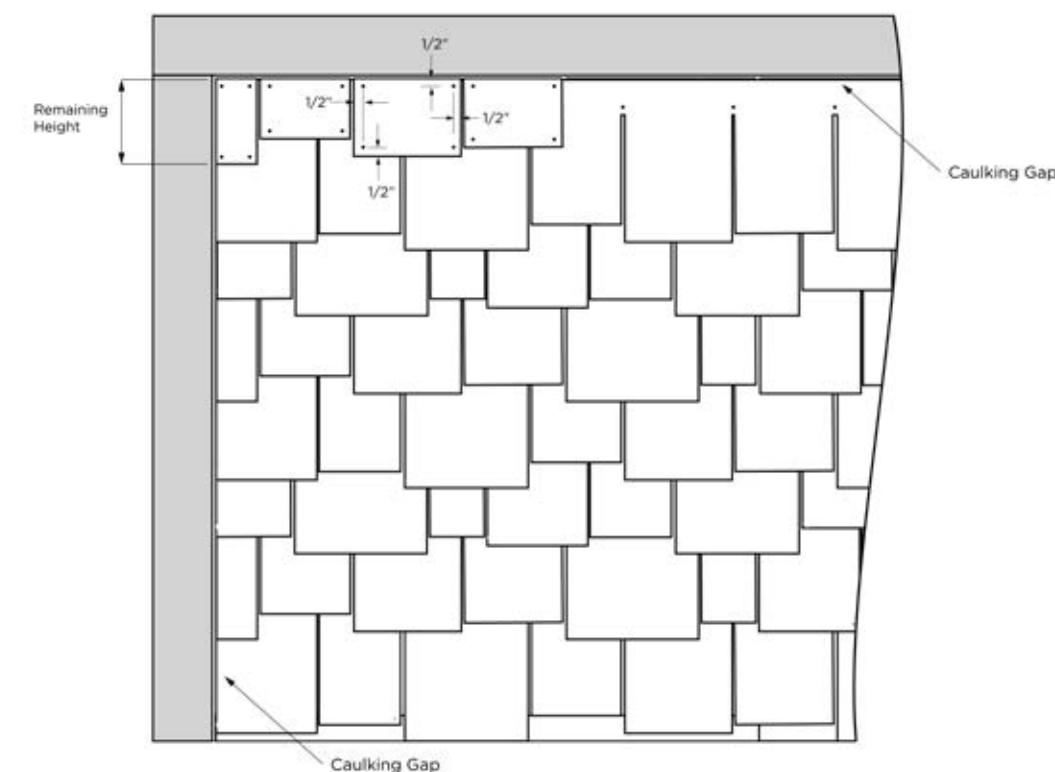
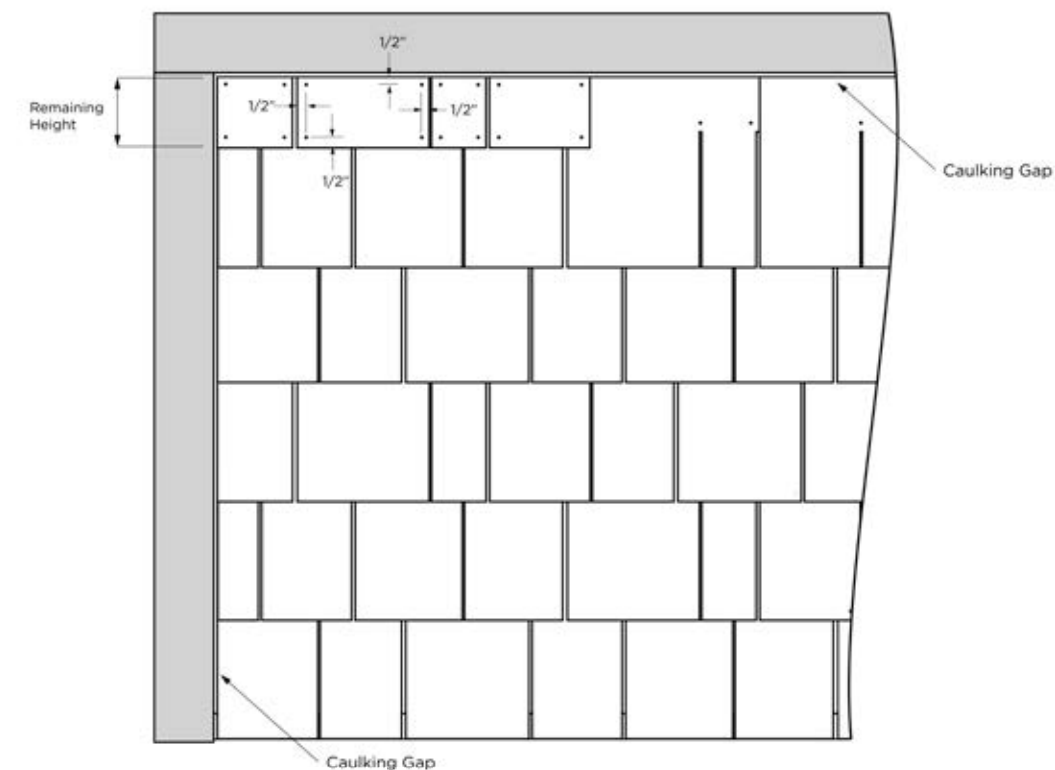
Coil Siding Nailer

## 6. INSTALL SHINGLES – REMAINING

- Repeat steps 1 through 3, using a full panel, then a 32" panel, then a 16" panel as starters, as necessary and continue working up the wall until only finish tabs are needed.

## 8. FINISHING TABS

- Using the leftover tabs from cutting the starter strips and the starter courses, measure and cut the tabs to desired remaining height.
- Align and space the finishing tabs to mimic the design of a full panel.
- Leave the appropriate caulking gap between the finish tabs and trims.
- Attach the finishing tabs using the specified finish nails with 1 nail in each corner.

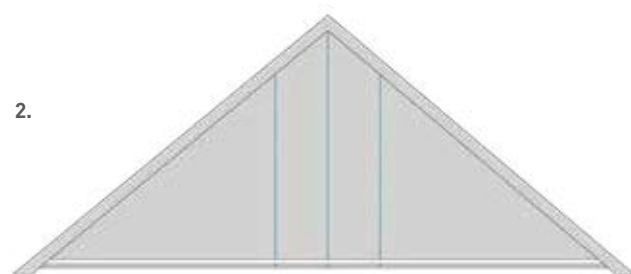


## GABLE INSTALLATION



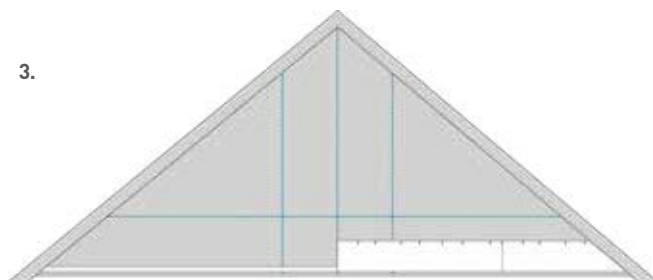
1.

- Locate the center stud in the gable and snap a chalk line down the center of it from the top to the bottom.
- Snap chalk lines 16" to the left and to the right of the center chalk line.



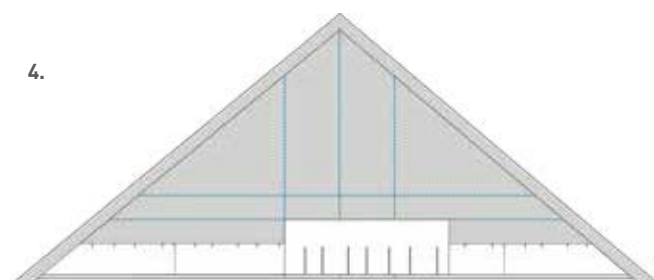
2.

- Snap a line 1/4" above the flashing if installing above a band board, or 2" up if installing directly above a roof line.
- Install the 1-1/2" Starter Strip with the bottom on the line.



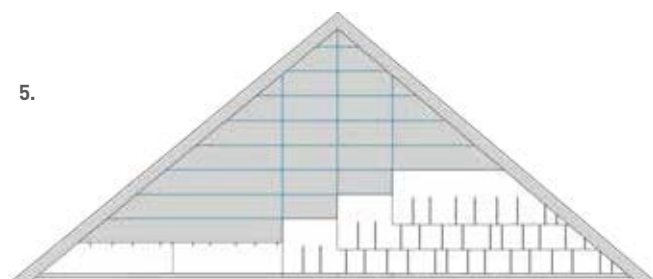
3.

- Line up the first Starter Course with the center chalk line.
- Install with the grain OUT and the keyways facing up.
- Fasten using the specified nailing pattern with the bottom lined up with the bottom of the Starter Strip.
- If using square edge Trim leave an appropriate gap for caulking.



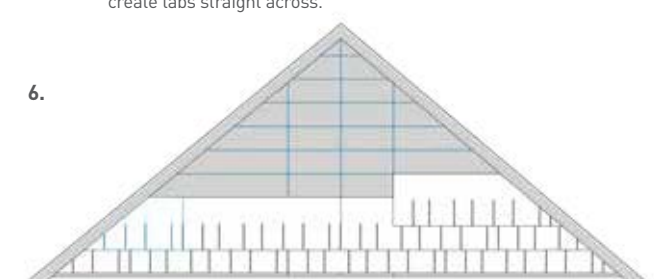
4.

- IMPORTANT: Prior to installing the first panels, determine the method of tab security by adhesive OR finish nails.
- If adhesive is used for tab fastening, follow the instructions on page 8.
- If finish nails are used for tab fastening, that can be done after the panels are fastened to the wall. See page 9 for details. No adhesive is required for fastening tabs if finish nails are used.
- Install a full panel with the left edge on the vertical chalk line to the left of the center line, and with the bottom of the panel aligned with the bottom of the Starter Course and Starter Strip.
- Fasten using the specified nails, fastening and/or adhesive pattern, and gapping requirements.
- For Staggered Edge, it is optional to cut the bottom of the panel off to create tabs straight across.



5.

- Snap Reveal chalk lines up the wall dependent on the reveal height of the product used (page 3).
- If using square edge trim, leave the appropriate caulking gap between the trim or frieze boards.
- Start the second row with a full panel starting with the left edge on the center line, and the top lined up with the reveal chalk line.
- Start the third row with a full panel starter with the left edge on the vertical chalk line to the right of the center line, and lined up with the next reveal chalk line.
- Fasten using the specified nails, fastening and/or adhesive pattern, and gapping requirements.

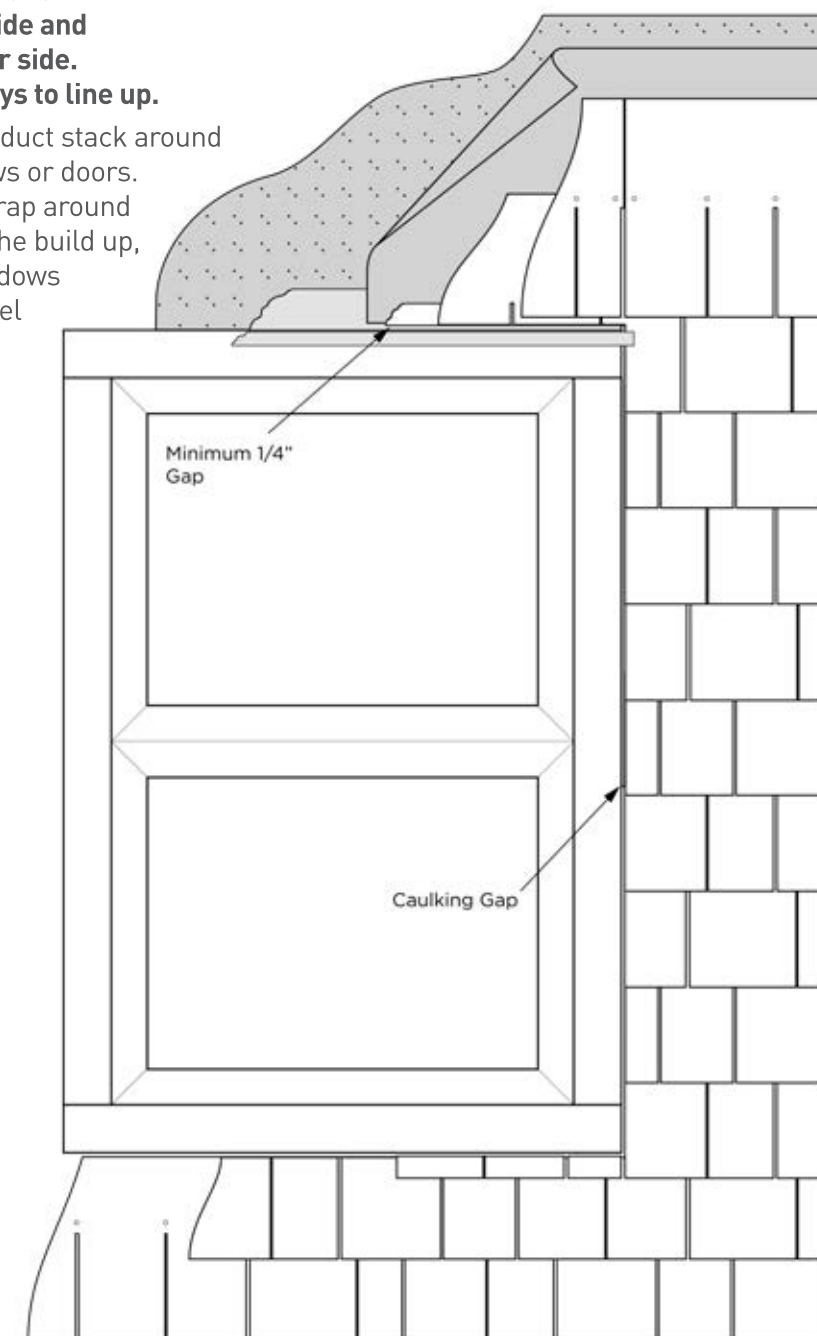


6.

- Utilize the leftover cut pieces to be used on the edges and further up into the gable.
- Fasten all remaining panels and finish tabs using the specified nails, fastening and/or adhesive pattern, and gapping requirements.

## WINDOW & DOOR INSTALLATIONS

- See trim considerations for square edge or rabbeted trim options.
- Leave a 1/4" minimum gap between the siding and the flashing, and leave a proper caulk gap between the trim and the shingle siding.
- **When installing around a window or door, continue the panel layout through the obstacle and cut the panels around it. DO NOT stop on one side and start over on the other side. This will cause keyways to line up.**
- Maintain a 3 panel product stack around all sides of the windows or doors. Either cut panels to wrap around windows to maintain the build up, or build out above windows and doors to keep panel build up consistent.



## CARE AND CLEANING

- Use a hose or power washer with a fan tip to clean off any loose dirt or debris. Make sure to test the pressure of the power washer prior to using it on AZEK Shingle Siding products to ensure it will not damage the surface.
- For UNPAINTED panels, if they do not come clean with water, they can be cleaned with TimberTech Deck Cleaner and a medium nylon bristle brush. Rinse the panel thoroughly and let dry prior to applying paint.
- IMPORTANT: DO NOT USE SOLVENT BASED CLEANERS AS THEY CAN DAMAGE THE FINISH OF AZEK SHINGLE SIDING PRODUCTS.
- WARNING: KEEP CHILDREN AND PETS AWAY FROM CLEANING PRODUCTS AND THE CLEANED PANELS UNTIL IT IS COMPLETELY DRY.
- For any other questions on AZEK Shingle Siding, visit [AZEKshingle.com](http://AZEKshingle.com) or call us at 877-ASK-AZEK or 877-275-2935.

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