

Perspectives Installation Guide

Siding | Soffit | Accent

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This installation guide is intended to be a guideline for EDCO's Perspectives products, but due to space limitations, we are only showing the more common practice to install Perspectives architectural building material and its associated accessories. If you have any questions, please call EDCO Products, Inc. at 952-945-2680.

EDCO Products assumes no responsibility for leaks or damage due to faulty application. EDCO's Perspectives products are covered by a limited lifetime warranty. For a copy of the warranty, visit edcoproducts.com, call 952-945-2680, or contact your local dealer.

Perspectives Profiles

4" Shiplap

6" Shiplap

Accessories Needed for the Job

Accessory	Siding	Accent	Soffit
7/8" J-Channel	X	X	X
7/8" Two-Piece J-Channel	X	X	X
Perspectives Starter Strip	X	X	
Undersill Trim	X	X	
3 1/4" Snap-On Corner Post Cap, Outside	X		
5/8" Corner Base (use with 7/8" Perspectives)	X		
Z-Flashing	X		
1/2" x 1" Furring Strips	X		
Snap-On Frieze Trim	X		
Steel or Aluminum Drip Cap	X		
24" x 50' Steel Coil Stock (RealGrain or ENTEX)	X	X	
24" x 50' Aluminum Coil Stock (ENTEX)	X	X	
Silicone or Quad Polymer Caulking	X	X	
Galvanized Nails, Staples, and/or Screws	X	X	X
Underlayments and House Wrap	X		
Spray Paint Color-Matched Can for Nails, Screws, J-Blocks, Dryer Vents, etc.	X	X	X
Touch-Up Paint Pens	X	X	X

Recommended Tool and Equipment List

- Metal cutting tools, such as:
 - Power Saw with non-ferrous metal cutting blade
 - Snips (Aviation or Duckbill)
 - Power Shear
 - Hack Saw with fine-tooth blade
- Portable Metal Bending Brake
- Ladders and Ladder Jacks
- Scaffolding
- Planking
- Hammer (Claw or Framing)

- Level, 24” minimum length
- Chalkline or Dryline (100’)
- Tape Measure (25’)
- Caulking Gun
- Scratch Awl
- Sawhorses or Cutting Table
- Framing and/or Speed Square
- Handsaw or Multi-Tool for cutting back boards
- Hand Brake
- Personal Protective Equipment (PPE)

Installation Instructions

Siding and/or Accent Wall Application

1. Prepare Your Surface and Materials

1.1. Spray paint any non-pre-finished building materials using EDCO’s color-matched spray cans.

- Possible items to spray:
 - i. J-Blocks
 - ii. Dryer Vents
 - iii. Screws
 - iv. Nails

1.2. Notes about using EDCO’s color-matched spray cans:

- Non-pre-finished items must be painted before they are installed.
- Spray paint is not touch-up paint and should never be used directly on EDCO pre-finished building materials.
- Adequately shake the can before using.
- Apply multiple coats to improve coverage and UV-resistance.
- This is an air-dry finish and is a different paint than EDCO’s ENTEx and RealGrain technologies, so it may weather differently over time.
- Carefully remove items that might interfere with the installation of siding, such as:
 - Downspouts
 - Lights
 - Shutters

- 1.3. Take care to tie back organics (such as bushes or flowers) and move personal property or landscaping that may be damaged during installation.
- 1.4. For best results, EDCO's Perspectives products should always be installed over a smooth, structural substrate. Before applying product, check for and correct any of the following issues:
 - Low spots:
 - Build out low areas with shims, wood lath, or wood furring strips. If using furring strips, make sure the strips run perpendicular to the siding, applied a maximum of 16" on center. *(Image coming soon)*
 - Loose or rotted boards
 - Build-up of paint or caulking
- 1.5. Windowsill extensions should be flush with the sides of the windows so the J-Channel fits flush against the window. *(Image coming soon)*
- 1.6. If applying insulating sheathing, you may install either fanfold or sheet types between, on top of, or underneath wood furring strips. Fanfold can also be installed over existing siding without wood furring strips.
- 1.7. Check local municipal building codes regarding housewrap requirements for the area and, if installing, following manufacturer's directions.
 - NOTE: Perspectives' integrated concealed ventilation combined with housewrap is an out-of-the-box, single-product rainscreen assembly, allowing moisture to escape and reducing the potential for moisture problems.

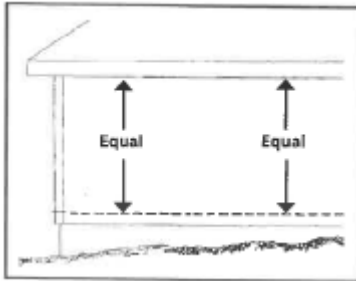
2. Establish Straight, Level Line for Wall Height

- 2.1. This line must be parallel to the direction you are running your siding and will be used as a reference for installing the Starter Strip (for Horizontal Siding) or Z-Flashing (for Vertical Siding).
- 2.2. Measure for a consistent wall height (M1) by taking a measurement at all corners (inside and outside) from the soffit down to where the bottom of the siding will start. *(Image coming soon)*
- 2.3. After you have taken all walls' M1 measurements, use the lowest M1 measurement and compare it to an adjoining wall's M1. Use the spacing of each course of siding to ensure the siding courses for each wall will align to the adjoining walls. Mark where each wall M1 (bottom of siding) must be to ensure proper course alignment between walls. The lowest pre-finished metal surface's M1 must be a minimum of 6" above ground level at all points. *(Image coming soon)*
- 2.4. Measure for M2, the height of the Starter Strip (for Horizontal Siding) or Z-Flashing (for Vertical Siding). *(Image coming soon)*

2.5. Calculate your final wall measurement (M3) by subtracting the height of the Starter Strip/Z-Flashing (M2) from all wall measurements (M1).

$$M3 = M1 - M2$$

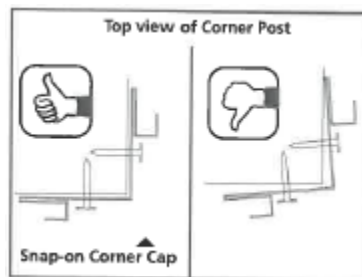
2.6. Strike your chalk line at M3 on each wall to guide the upper edge of the Starter Strip/Z-Flashing for installation.



3. Install Corner Base, Starter Strip, Z-Flashing, and J-Channel

3.1. Install the Corner Base in all necessary locations:

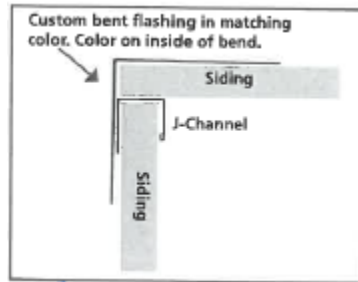
- Outside Corners:
 - i. Use the 5/8" Corner Base for Perspectives applications. Note that the actual dimension of the Corner Base pocket is 7/8" which receives the 3/4" Perspectives profile with a clean, modern aesthetic.
 - ii. Make sure the Corner Base is fastened securely to the building and not twisted.



- iii. Nail the Corner Base every 12" on center with steel nails on both flanges.
- Inside Corners (install using one of the two following methods):
 - i. Option A: Trim Coil Color-Matched Flashing
 - a. Install a color-matched flashing using Trim Coil in the inside corner.
 - b. Install Perspectives siding. (See page X for details.)

- c. Butt a J-Channel up against the siding and fasten every 16" on center.

(Updated image demonstrating 2-piece J-Channel coming soon)

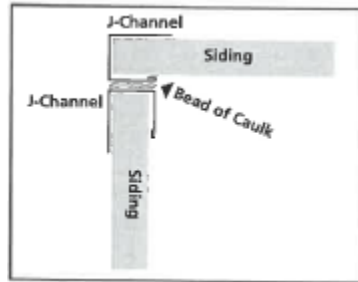


ii. Option B: Double J-Channel

- a. Install J-Channel back-to-back.

PRO TIP: Two-Piece J-Channel is available for ease of installation.

- b. A bead of caulk is recommended between the two pieces of J-Channel to aid proper drainage away from the structure.
- c. Hold the J-Channels flush to the bottom of the Starter Strip (for Horizontal Siding) or Z-Flashing (for Vertical Siding), nailing the J-Channels every 16" on center. *(Updated image demonstrating 2-piece J-Channel coming soon)*



2.2. Install Starter Strip (for Horizontal Siding) or Z-Flashing (for Vertical Siding) upper edge on the base of all walls referencing the chalk line established previously, securing every 16" on center. The Starter Strip/Z-Flashing should overlap the Corner Base by 1/2". *(Image coming soon)*

- PRO TIP: When installing Starter Strip/Z-Flashing pieces next to each other, you must allow proper spacing for expansion and contraction.
 - For Horizontal Siding/Starter Strip: leave approximately 1/8" between pieces.
 - For Vertical Siding/Z-Flashing: pieces should overlap by 1/4"

2.3. Install J-Channel at Top of Wall or Gable End Terminations to receive siding planks.

Note the following:

- Use Single or Two-Piece J-Channel base along the top of the wall.
- Use adjoining Soffit J-Channel on a Gable End Termination.
- Common areas where J-Channel will be needed:
 - Horizontal Siding:

- Underside of windows
- Top of wall
- Left/Right side of tight areas to avoid scratching (ex. between a window and a door)
- Vertical Siding:
 - Left/Right side of wall penetrations (ex. window, door, etc.)
 - Tight areas to avoid scratching

3. Trim Wall Penetrations for Windows, Doors, Hose Bib, Electrical Boxes, etc.

PRO TIP: Be sure that all penetrations through the underlayment and/or housewrap are properly sealed in accordance with local building codes.

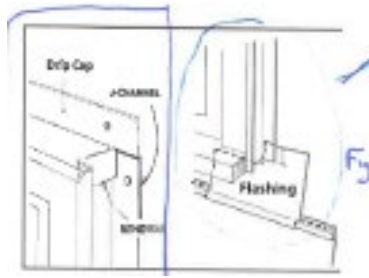
4.1. Install flashing on the lower corners of the window/door prior to the installation of J-Channel. *(Image coming soon)*

4.2. Install J-Channel around windows and doors to receive the siding:

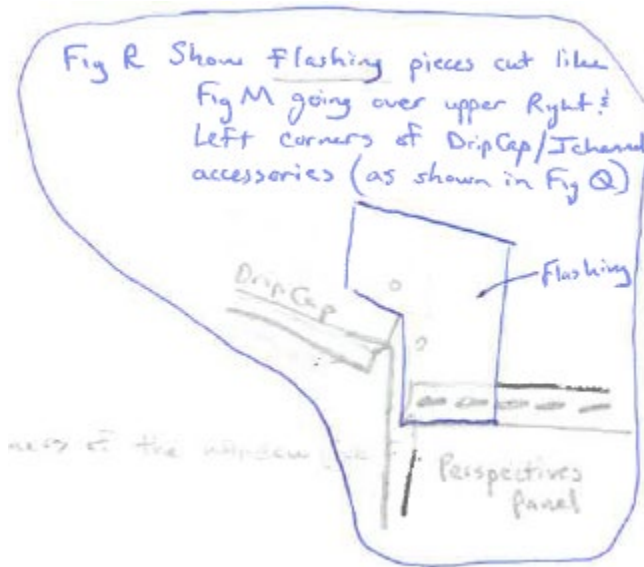
PRO TIP: J-Channel is a finished product; all exposed cuts and folds should be neat and clean.

- Windows
 - Underneath *(Image coming soon)*
 - i. J-Channel should be cut 1-1/4" wider than the window sill.
 - ii. Notch the J-Channel 5/8" on both ends.
 - iii. Fold up notched flaps against the sides of the windows and fasten the channel 16" on center.
 - Sides
 - i. Cut square at the top, regardless of whether you're doing a miter cut or wrapping the bottom of the window side J-Channel. In both cases, the J-Channel should be cut 1-1/4" longer than the window side. *(Image coming soon)*
 - ii. Notch the piece at the bottom so that the channel flap can be folded under the window sill. *(Image coming soon)*
 - iii. Finish your corner with either a Miter or a Bend:
 - If Mitering: Cut the face at 45 degrees *(Image coming soon)*
 - If Bending: Bend the face around the bottom J-Channel to wrap the J-Channels together *(Image coming soon)*
 - Top
 - i. Flash with an EDCO Drip Cap (steel or aluminum) or field-bent Drip Cap.
 - ii. Cut the Drip Cap 1-1/2" longer than the width of the window.

- iii. Notch both ends of the drip cap in $\frac{3}{4}$ " for the flap that will be bent down into the J-Channel on the side of the windows.



- iv. Install flashing on upper corners over drip cap and J-Channel joint to prevent moisture damage issues. (Updated image coming soon)



5. Install Perspectives as Siding or Accent Wall

PRO TIP: Use the following guidelines for all steps of installing siding:

- Leave room for expansion and contraction:
 - Do not drive fasteners tight – instead, leave a gap of no less than $\frac{1}{32}$ " between the head of the nail or screw and the metal nailing flange.
 - Fasteners must be centered in the middle of the nailing slots.
 - Fasteners must be driven straight in and not at an angle.
- Fastening rules:
 - Follow safety precautions when driving any fasteners, whether they are power-driven or hand-driven.
 - Fasteners should be spaced a maximum of 16" on center.
 - Fasteners must be driven straight, level, and not slanted up or down as this may distort the plank.

- Fasteners must not be driven closer than 6" from the end of the plank as this may distort the plank.
- Do not overdrive the fasteners tight—instead, leave a gap of no less than 1/32" between the head of the nail or screw and the metal nailing flange.
- When using nails or screws:
 - Use the proper sized fastener:
 - i. Use 2"+ galvanized nail/screw when installing siding with drop-in backer or over a fanfold underlayment.
 - ii. Use 1-1/2"+ galvanized nail/screw for installations without insulation.
 - iii. Ensure the nail/screw is penetrating at least 3/4" into the stud for proper holding strength.
 - If face-nailing, be sure to use painted trim nails that closely match the plank color.
- When using Pneumatic Staplers/Nailers:
 - Follow the same procedures you would if using nails (ex. driving fasteners level and making sure fasteners are not over-driven).
 - Ensure the fasteners are corrosive-resistant, such as cadmium-coated or galvanized steel.
 - The leg of the fastener should be long enough to penetrate at least 3/4" into the stud.
 - The width of the crown must be at least 3/8".
 - Check the air pressure of the gun and adjust accordingly so that fasteners are being driven to the correct depth.
- Cut planks using any of the following cutting equipment:
 - Power Saw:
 - Use a ferrous blade. Non-ferrous blades will cause damage to the protective galvanization and void the product warranty.
 - Personal Protective Equipment (PPE) should be worn.
 - Steel should not be cut using any heat-generating device such as an electric circular saw, jigsaw, or grinder as they may destroy the protective galvanization and void the product warranty.
 - Tin Snips:
 - Not recommended for cutting upper or lower lock on Perspectives.
 - Electric Shears or Nibblers:
 - Not recommended for cutting upper or lower lock on Perspectives.
 - Use these to make long cuts parallel to the length of the product.
- If scratches occur on pre-finished metal products:

- If small, use EDCO touch-up pens:
 - Do not use EDCO spray paint as touch up. EDCO spray paint should never be used directly on EDCO pre-finished building materials.
 - To use a touch-up pen:
 - i. Prime by adequately shaking the touch-up pen before use.
 - ii. Use the fine tip to fill in on top of the scratch. Do not brush a large quantity of paint over the area.
- NOTE: The air-dry paint finish from the touch-up pen is different than EDCO's ENTEX and RealGrain technologies, so touched-up areas should be minimally applied as they will weather differently over time.
- If large, replace plank.

5.1. Choose your siding orientation and install the first piece:

- Horizontal Siding
 - Planks should be installed starting in the bottom left corner.
 - Install from the bottom left to the bottom right and then move up the wall in the same direction.
 - Apply the first plank by dropping the bottom lock of the plank into the Starter Strip. Take care to ensure the plank is fully engaged and level in the Starter Strip as this is the base for all other planks that will follow. *(Image coming soon)*

PRO TIPS:

- When possible, keep the Perspectives plank outside of the J-Channel or Corner Base and slightly tilt the upper edge of the Perspectives plank away from the wall. This will ensure the male edge of the lower lock lays flat against the wall, making it easier to engage into the Starter Strip.
- Do not force the plank into place as this may distort the plank. Start with engaging near an end and work down the Perspectives plank to the far end. Double-check to ensure the plank is fully seated and level before proceeding with the next plank.
- Once fully engaged in the Starter Strip, slide the Perspectives plank to the left, into the Corner Base or J-Channel pocket, leaving approximately a 1/8" gap from the inside of the Corner Base or J-Channel for expansion or contraction.
- Vertical Siding:

- Using Z-Flashing as the lower guide and J-Channel as the upper guide, determine where to start your siding based on the width of the wall. *(Image coming soon)*
 - a. If balanced layout spacing is desired, measure the width of the wall in inches (M1) where vertical siding will be applied.
 - b. Determine M2 by adding the width of the plank reveal selected plus the gap between planks (0.1" for flush/tight gap and 0.3" for nickel gap). For example, if you are installing Perspectives SL4 with tight gap, M2 would equal 4.1".
 - c. Take M1 and divide by M2 to determine the number of vertical planks needed.
 - d. If you have a decimal point, a partial piece on left and right-hand side will be required to center the layout on the wall. Take the decimal point value and multiply that number by M2, then divide that number in half to determine the width of your first and final pieces on that wall.
- Install first plank:

PRO TIP: If the vertical wall height is less than 12', planks may be installed from left to right or right to left, based on desired line of sight. If the wall height is greater than 12', the stamped (right-hand) end of the plank must be at the highest point to allow for the second course above to properly divert water over the front face of the plank. *(Image coming soon)*

 - Rectangular Side Wall:
 - a. Apply the first plank by inserting the non-nailing flange plank edge into the Corner Base or J-Channel pocket. Take care to ensure that the plank is vertically level as this is the base for all other planks that will follow. *(Image coming soon)*

PRO TIP: If a partial piece of Perspectives is necessary for balance layout on the wall, install a ½"x1" Furring Strip into the Corner Base or J-Channel to ensure a snug fit of the initial and final pieces of Perspectives.
 - b. Fasten the plank in place with fasteners spaced 16" on center. Where able, do not install fasteners within 6" of ends.
 - Gable End:
 - a. Establish the roof pitch/slope angle by holding or securing a scrap piece vertically level (piece A), pressed into the upper J-Channel following the soffit/roof line angle. Using a second scrap piece (piece

B) held parallel to the soffit J-Channel and over the first scrap piece, mark the slope into the vertical scrap piece. *(Image coming soon)*

- b. Cut the scrap piece along the marked line to use as a jig in cutting all finished pieces to be installed on the gable end.
- c. Install and secure the first piece into the J-channel pocket with fasteners spaced 16" on center. Where able, do not install fasteners within 6" of ends.

PRO TIP: If a partial piece of Perspectives is necessary for balance layout on the wall, install a ½"x1" Furring Strip into the Corner Base or J-Channel to ensure a snug fit of the initial and final pieces of Perspectives.

5.2. Install the remaining pieces:

PRO TIP: When installing remaining siding pieces, be aware of Perspectives' technology for ease of installation and increased design capabilities/aesthetic appeal:

- SmoothSeam™ Technology, for lapping planks:
 - When installing from left to right, the stamped end of the plank just installed should be beneath the left-hand, non-stamped end of the next plank. *(Image coming soon)*
 - It is recommended to leave 1/16" between the stamped seam and non-stamped end. *(Image coming soon)*
 - Horizontal Orientation:
 - Stagger your lap seams. Separate laps from one course to the next by at least 16".
 - Joints above and below windows or doors should be avoided.
- VersaLock™ Technology, for versatility in gap positions between courses:
 - Fully seated in, VersaLok provides a tight reveal. With minimal upward pressure, the plank can be pulled into the upper, nickel-gap position between courses. *(Image coming soon)*
 - As you install more planks, ensure both planks are in the same tight- or nickel-gap position before securing the plank.
 - Where able, do not install fasteners within 6" from the end of the plank.

5.3. Finishing a Wall or Gable Section:

- Finishing a Rectangular Wall:
 - Horizontal Orientation:
 - If the height of the wall means that your final row of siding is not the full reveal height, install the 2-Piece J-Channel base and ½"x1" Furring

Strips along the soffit J-Channel in order to support the cut edge of the final Perspectives siding. *(Image coming soon)*

- Install the final row of siding.

PRO TIP: A light bead of caulking can be applied to the Furring Strip to better secure the cut edge of the final Perspectives plank.

- Install the 2-Piece J-Channel Cover to finish the wall section.

PRO TIP: A light bead of caulking can be applied to the 2-Piece J-Channel Base prior to the installation of the Cover to better secure the Base and Cover together.

- Vertical Orientation:

- If a partial piece of Perspectives is needed to finish the wall, install a ½"x1" Furring Strip into the Corner Base pocket or on top of the 2-Piece J-Channel Base.

PRO TIP: A light bead of caulking can be applied to the Furring Strip to better secure the cut edge of the final Perspectives plank.

- Install the final row of siding. This may require a face-nail to fully secure the final piece in place.

PRO TIP: Use a color-matched nail head to mask use.

- Install the 2-Piece J-channel Cover to finish the wall section.

PRO TIP: A light bead of caulking can be applied to the 2-Piece J-Channel Base prior to the installation of the Cover to better secure the Base and Cover together.

- Finishing a Gable End:

- Horizontal Orientation:

- i. Ends of planks will need to be cut at an angle to match the slope of the soffit and create a cutting template:

- a. Hold or secure a scrap piece (piece A) as you would in the next row, butting the corner to the soffit, pressed into the upper J-Channel following the soffit/roof line angle. Using a second scrap piece (piece B) held parallel to the soffit J-Channel and over the first scrap piece, mark the slope on siding scrap piece A. *(Image coming soon)*

- b. Cut the scrap piece along the marked line to use as a jig in cutting all left-side finished pieces to be installed on the gable end.

- c. Repeat the process for the right-side cutting template for the gable end.

- d. You may need a second set of templates created if your last row before the gable begins didn't end in the corner of the beginning of the gable.

- ii. Slide the angled end of the cut plank into the J-Channel, and lock into place.

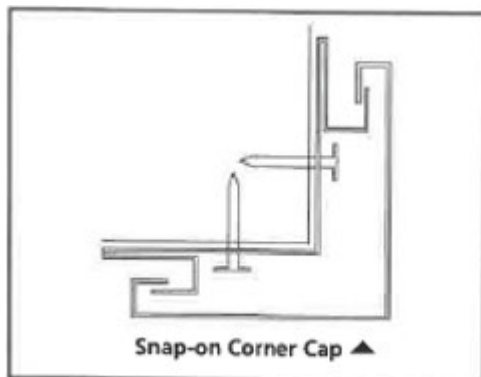
Vertical Orientation:

- iii. You should already have the following installed:
 - a. Z-Flash installed at the base
 - b. J-Channel installed on the left-hand gable side
 - c. 2-Piece J-Channel Base installed on the right-hand gable side
- iv. Install Perspectives planks from left to right. If a partial piece of Perspectives is needed to finish the wall, install a ½"x1" Furring Strip into the Corner Base pocket or left/right-hand 2-Piece J-Channel pocket.
PRO TIP: A light bead of caulking can be applied to the Furring Strip to better secure the cut edge of the Perspectives plank.
- v. Once all Perspectives planks have been installed, snap on the 2-Piece J-Channel Cover on the base (right-hand gable).

5.4. Install Snap-On Corner Caps

PRO TIP: This step should only be completed after all Perspectives planks have been installed.

- 5.4.1. Starting at the bottom of the corner, hook one of the edges onto the Corner Base flange and stretch the Snap-On Corner over the Corner Base flange.



- 5.4.2. If the wall is taller than the Snap-On Corner Cap, notch a second Snap-On Corner Cap and lap it over on the face of the lower Snap-On Corner cap. *(Image coming soon)*

PRO TIP: It may be necessary to put a small, painted screw through the face of the Corner Cap into the lip of the substrate. If needed, this should be done in a low-visibility area.

Install Perspectives Shiplap as Soffit or Ceiling Accent

Perspectives can be installed as soffit or ceiling accent in either orientation: perpendicular or parallel to the wall.

1. Understanding Perspectives' Achievable Net Free Area

Perspectives can be used as hidden-vent soffit with the following Net Free Area (NFA) achievable based on gap selection:

- Tight/Flush Gap: 1.20 sq. in./linear ft.
- Nickel/Spaced Gap: 1.40 sq. in./linear ft.

How does this compare to traditional EDCO 16" Quad Soffit? Let's calculate the number of square inches of ventilation in soffit on a home with 100 linear feet of soffit with a 1-foot overhang:

- 16" Quad Soffit, NFA: 6.48 sq. in./linear ft.
 - $100 \text{ ft} / 16" \text{ product width} = 75 \text{ pieces cut at 1-foot length}$
 - $75 \text{ pieces} \times 1\text{-foot length} \times 6.48 \text{ sq. in./linear ft.} = \mathbf{486 \text{ sq. in. of ventilation in soffit}}$
- 4" Shiplap, Nickel Gap, NFA: 1.40 sq. in./linear ft.
 - $100 \text{ ft.} / 4" \text{ product width} = 300 \text{ pieces cut at 1-foot length}$
 - $300 \text{ pieces} \times 1\text{-foot length} \times 1.40 \text{ sq. in./linear ft.} = \mathbf{420 \text{ sq. in. of hidden ventilation in soffit}}$

2. Installation instructions

PRO TIP: When installed as soffit or ceiling accent, Perspectives planks must be installed spanning no more than 24" between fasteners.

- 2.1. Install J-Channel against the wall to receive the ends of the Perspectives planks.
- 2.2. Where applicable, install J-Channel or Double J-Channel (acting as a miter strip) on the ends or when transitioning to another wall's soffit. *(Image coming soon)*
- 2.3. Based on orientation of your Perspectives pieces, complete the following steps:
 - Perpendicular to the Wall:
 - i. Measure the soffit overhang and cut Perspectives pieces $\frac{1}{4}"$ short to allow for expansion and contraction.
 - ii. Install Perspectives either left to right or right to left for the desired aesthetic reveal. Use a speed square to ensure panels are perpendicular to the wall.
 - Parallel to the Wall:

- i. Install Perspectives from left to right, from the wall outward to the Fascia board.
- 2.4. If the final Perspectives plank is a partial, install a ½"x1" Furring Strip into the J-Channel. Apply a small amount of caulking on the Furring Strip face, and install the Perspectives panel between the Furring Strip and J-Channel to help secure it in place.
- 2.5. Install the Fascia panel to cover the Fascia board and Perspectives plank ends/outmost panel.