



Aristolath

INSTALLATION MANUAL

June 2025

A product of

 **BUCKEYE**
Metal Sales





Table of Contents

3	Introduction
3	Safety
3	Important Information
4	Design Considerations
4	Delivery & Rolling
4	Material-Handling Instructions
4	Field-Cutting
5–6	Trim Reference
7–15	Trim Profiles
16	Panels & Fastening
18	Batten Installation
19	Touch-Up
19	Siding Care & Maintenance



Meet Aristolath

OUR METAL BOARD & BATTEN



PATENTED IN 2021, Aristolath embodies unprecedented practicality and high style for homeowners and contractors alike. With its independent batten design, Aristolath makes sense for anyone looking for board & batten that lasts... *with flair*.

Introduction

Welcome to Buckeye. At Buckeye Metal Sales, we commit to a high standard of quality and safety. We offer this guide to ensure the best outcomes for your metal board & batten installation.

Safety

Always use extreme caution when installing metal panels and accessories. Do not walk on the panels; they are not able to withstand large amounts of weight. It is recommended that metal roofing and siding be supervised by a professional in the field.

Important Information

The drawings and depictions in this manual are for the purpose of illustration only and may not apply to every product line or building design. If there is any conflict between this manual and the actual construction drawings, the construction drawings should take precedence.

Buckeye Metal Sales recommends following all building regulations, codes for your area, and industry best practices. The contractor or installer is responsible to ensure the safe installation of this siding system.

This manual is designed as a guide only for installing metal board & batten panels. Buckeye Metal Sales is not responsible for performance issues when metal is not installed according to the recommendations laid out in this manual. We reserve the right to modify this manual at any time. Questions you have may be directed to your Buckeye Metal Sales representative.



Design Considerations

- 1 Prior to placing any orders, on-site measurements need to be taken to verify the actual measurements.
- 2 Always check with an engineer and verify local building codes before installation.
- 3 Ensure that the surface over which you are installing Aristolath is flat. Uneven surfaces will create bulges and dents in the siding.

Delivery & Rolling

The majority of board & batten orders are rolled on site per your profile requirement. Small orders and trim are rolled at the shop and delivered to the job site along with any insulation, fasteners, caulking, and vents needed to complete the project. The installer shall immediately report any issues or damage to Buckeye Metal Sales personnel at the site.

Material-Handling Instructions

Handle painted panels and accessories with care. To avoid scratching and damage, do not drag the panels across other panels, over the ground, or over rough surfaces of any kind. We recommend wearing clean gloves whenever handling or cutting metal materials.

Always carry panels by the short edge so the panels are held vertically to the ground. Never carry the panels horizontally with the ground, as this may result in buckling of the panel. While in most cases a single person can handle a panel up to 8' in length, we recommend that additional people be placed every 10' along the entirety of the panel on larger panels.

Due to the kite-like effect of the panel, exercise great



caution when handling panels in windy conditions, especially when wind speeds exceed 10 mph. We recommend that trained professionals oversee any weather or job site conditions that may become a working hazard.

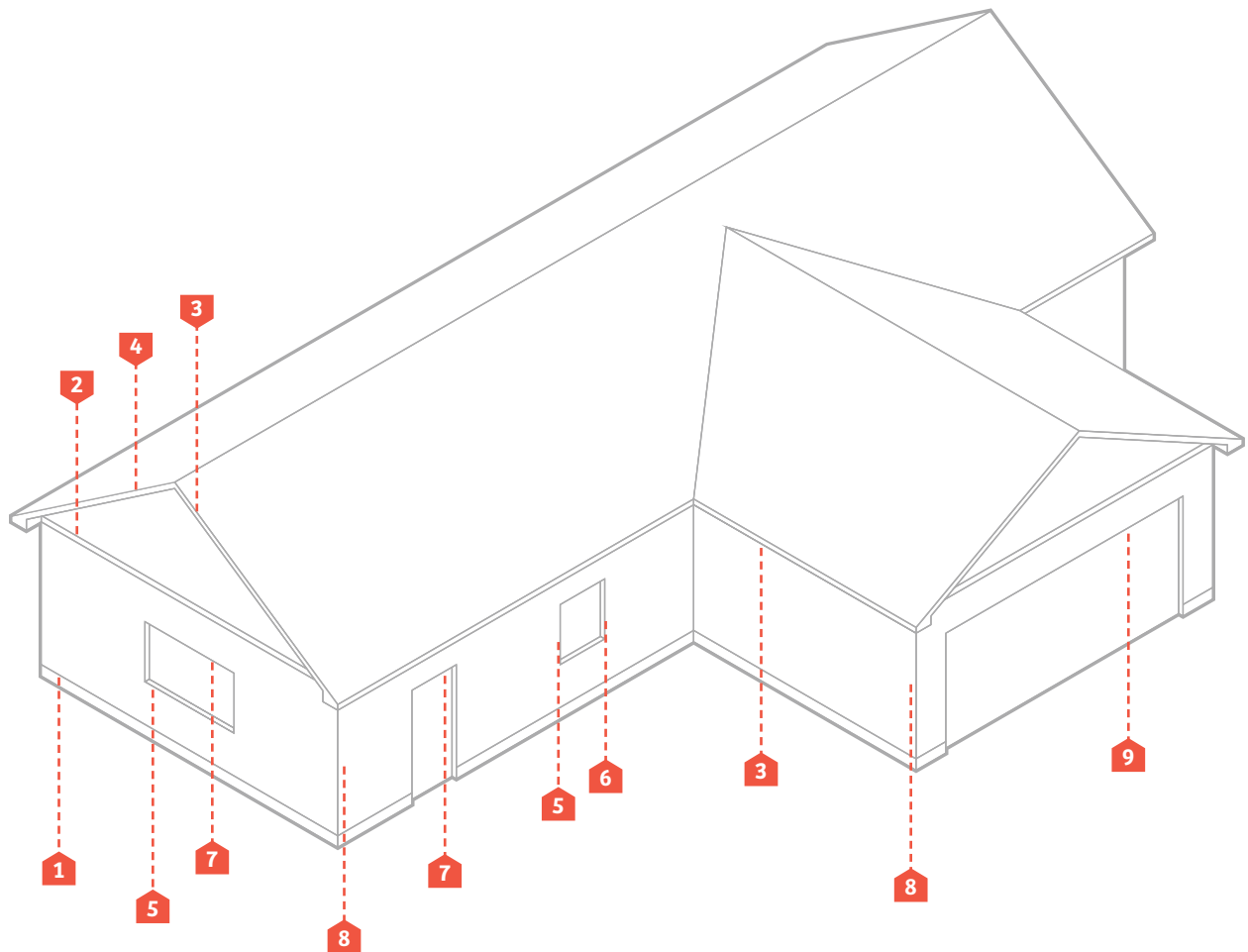
Never let panels come into contact with any water runoff from copper, lead, or uncoated steel materials.

Field-Cutting

We recommend using tin snips or electric nibblers for cutting metal. Be sure to remove all chips and slivers that are created by the cutting. Failure to do so will result in damage to the finish of the metal and will shorten the lifespan of your metal. Wear appropriate safety gear while cutting metal.



Trim Reference



Legend

1 BASE ANGLE

2 BAND BOARD

3 F & J CHANNEL

4 INVERTED J

5 J CHANNEL

6 J FILLER

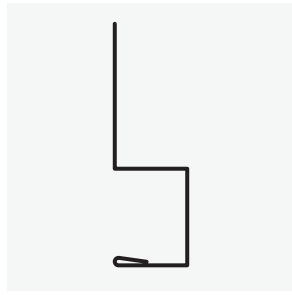
7 TOP WINDOW/DOOR

8 CORNER

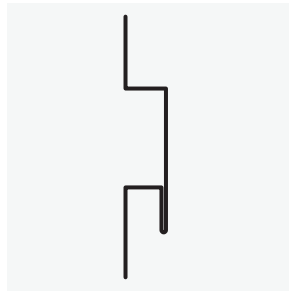
9 OVERHEAD DOOR



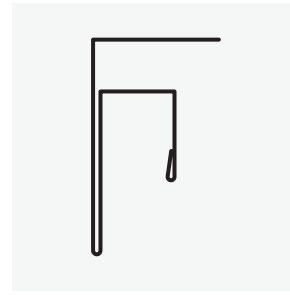
Trim Reference



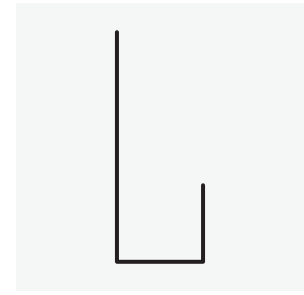
BASE ANGLE
PG 7



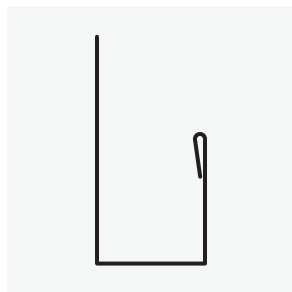
BAND BOARD
PG 8



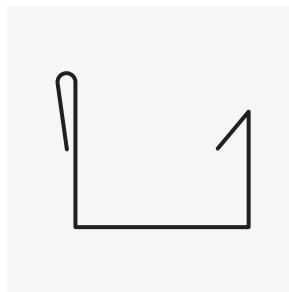
F & J CHANNEL
PG 9



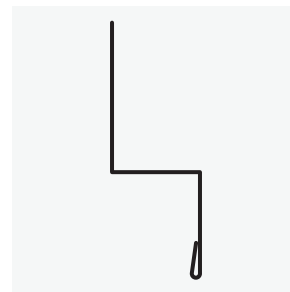
INVERTED J
PG 10



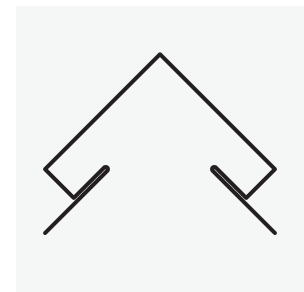
J CHANNEL
PG 11



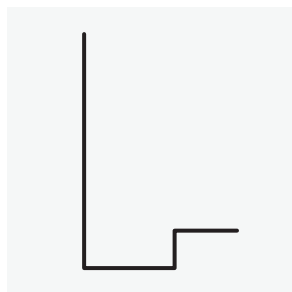
J FILLER
PG 12



TOP WINDOW/DOOR
PG 13



CORNER
PG 14



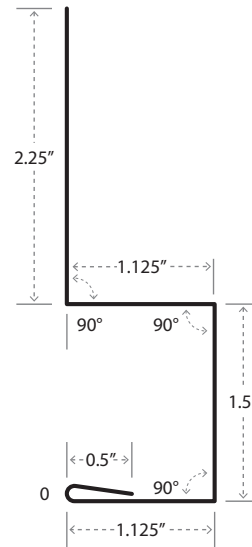
OVERHEAD DOOR
PG 15

Trim – Base Angle

Rendering



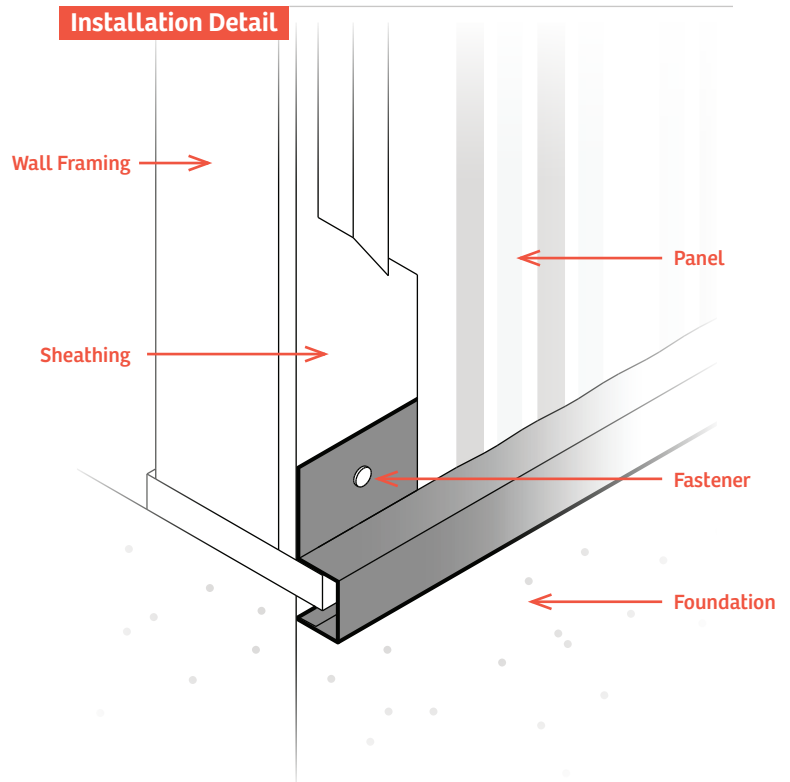
Trim Profile



NOTES

- Base angle has a natural angle to it to encourage water shed.
- Do not use base channel on top of windows and doors. Use the Top Window/Door trim instead.
- The panel should rest slightly above the Base Angle. If the panel rests too hard against it, oil-canning will result.

Installation Detail

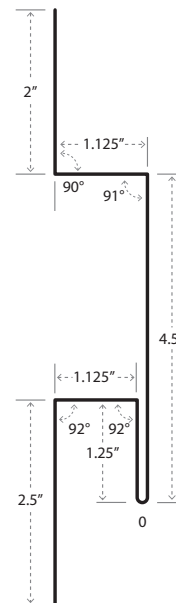


Trim – Band Board

Rendering



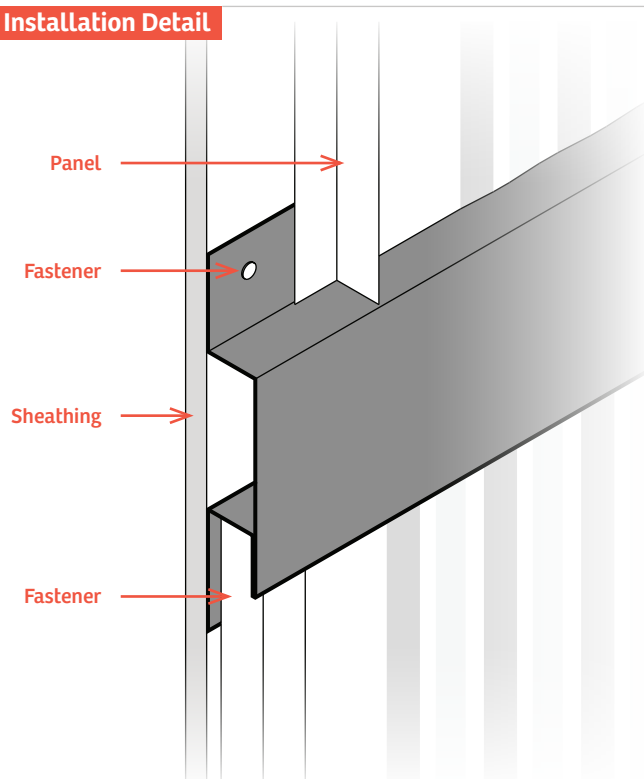
Trim Profile



NOTES

- Also known as "freeze board," Band Board is typically used on gable ends and for accents.
- Install Band Board if your panels need to run longer than 14'. This makes panel handling easier and limits oil-canning

Installation Detail

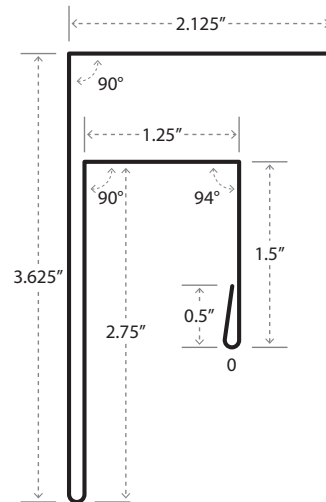


Trim – F & J Channel

Rendering



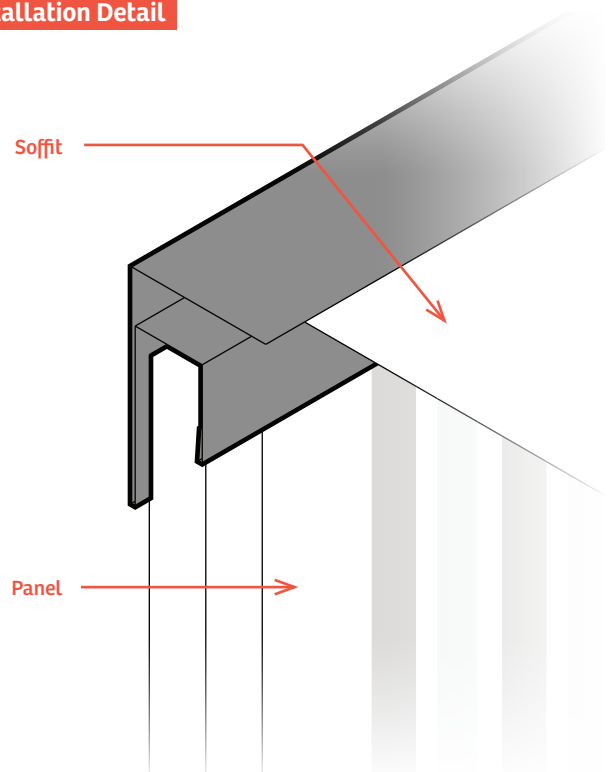
Trim Profile



NOTES

- Keep the panel 0.25"–0.5" from the top of the F & J.
- We can adjust the trim to fit your project's soffit.

Installation Detail

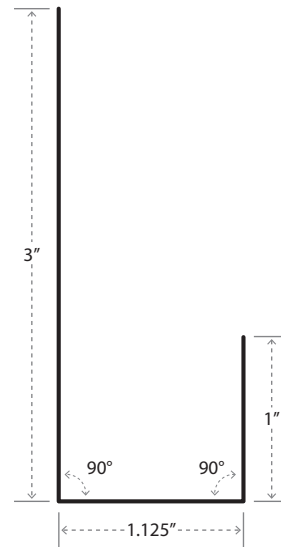


Trim – Inverted J Channel

Rendering



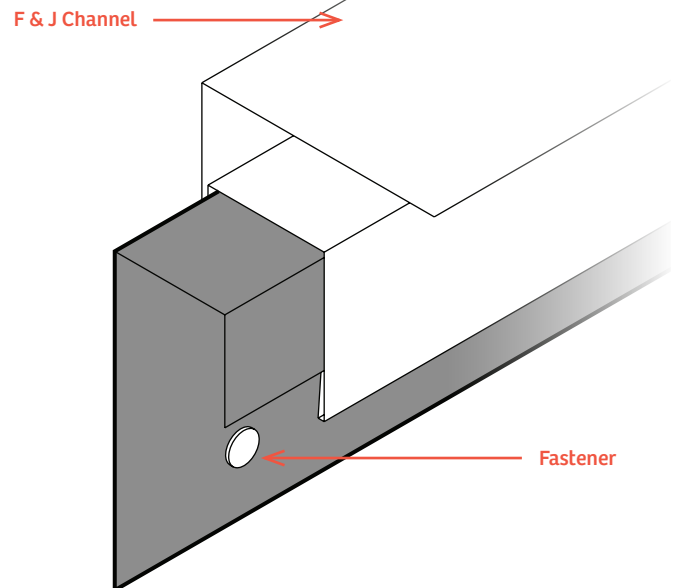
Trim Profile



NOTES

- Use the Inverted J under F & J's, especially on gable end slopes.
- Inverted J's are easier to install than the J Filler.

Installation Detail

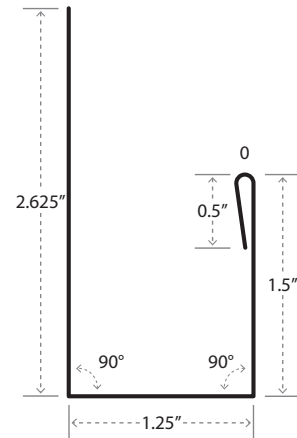


Trim – J Channel

Rendering



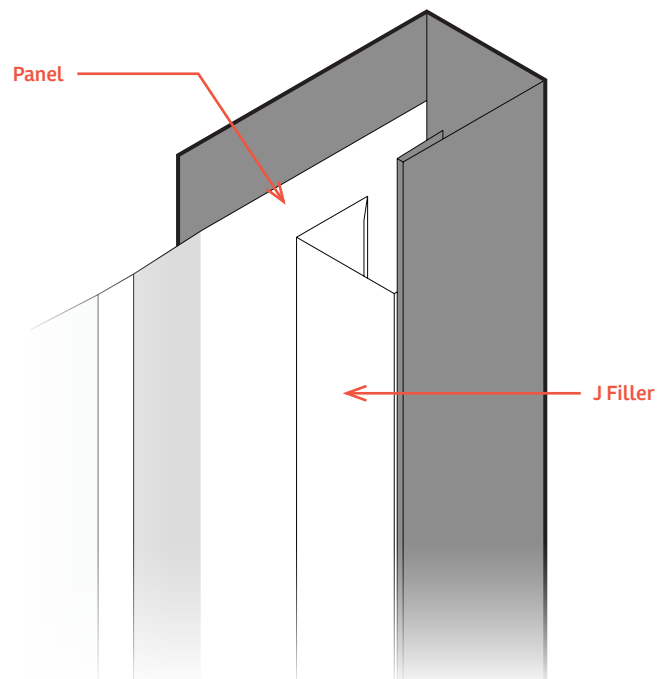
Trim Profile



NOTES

- Our 1.5" face is standard. This provides up to .5" of wiggle room for your panel cutting and it also reduces oil-canning.

Installation Detail

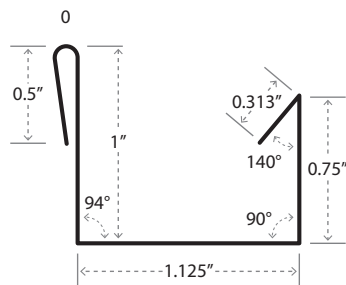


Trim – J Filler

Rendering



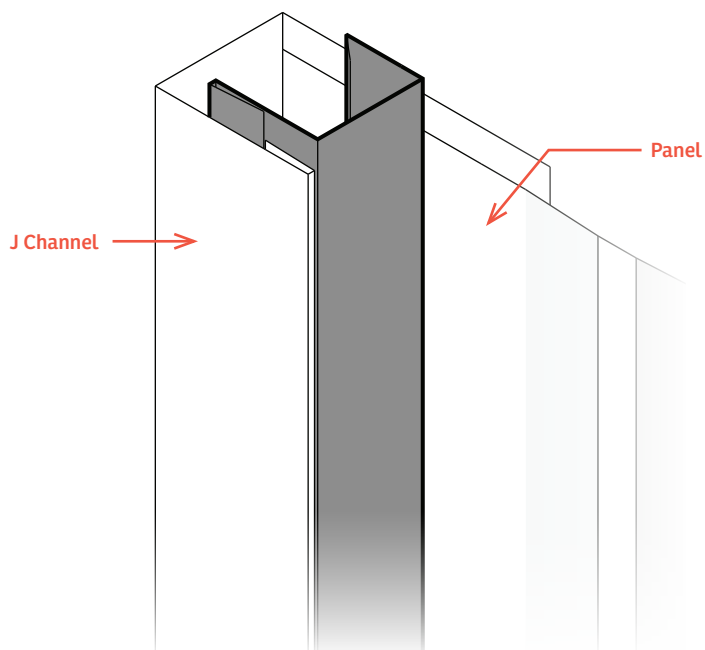
Trim Profile



NOTES

- Where J Filler meets Base Angle, flare the bottom, hidden sides at a slight angle. This allows the J Filler to sit nicely against the Base Angle.
- Use the Inverted J trim instead of the J Filler on F & J Channel.

Installation Detail

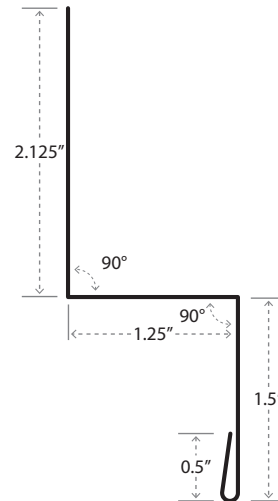


Trim – Top Window/Door

Rendering



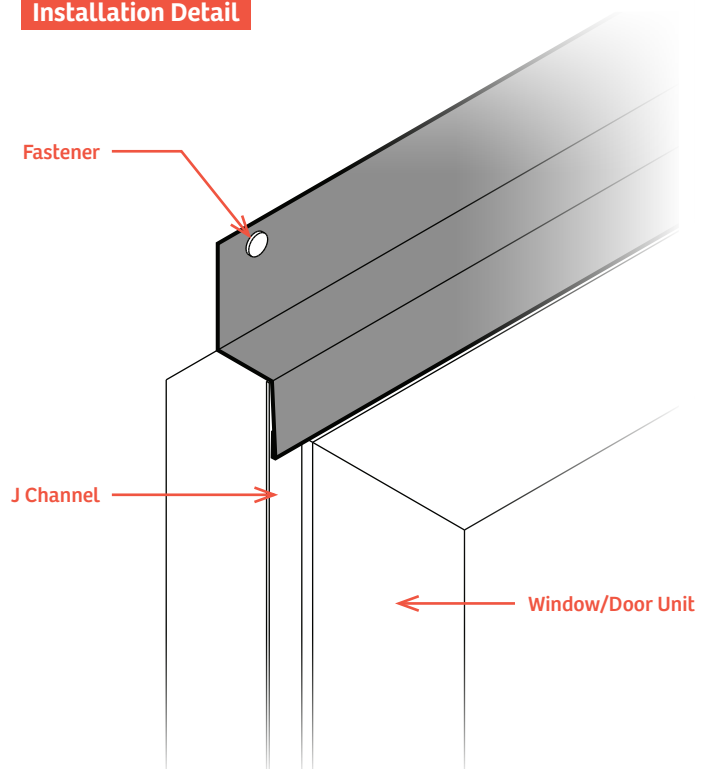
Trim Profile



NOTES

- This trim provides a top cover for vertical J Channel and keeps water off of the window or door trim.
- Cut your Top Window/Door Trim slightly past the vertical J Channel to minimize water leaking.

Installation Detail

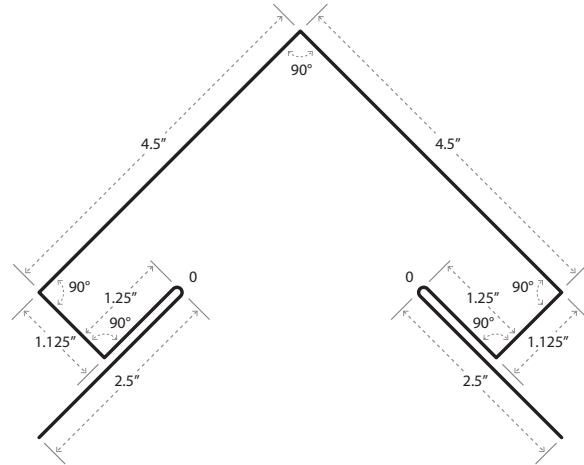


Trim – Corner

Rendering



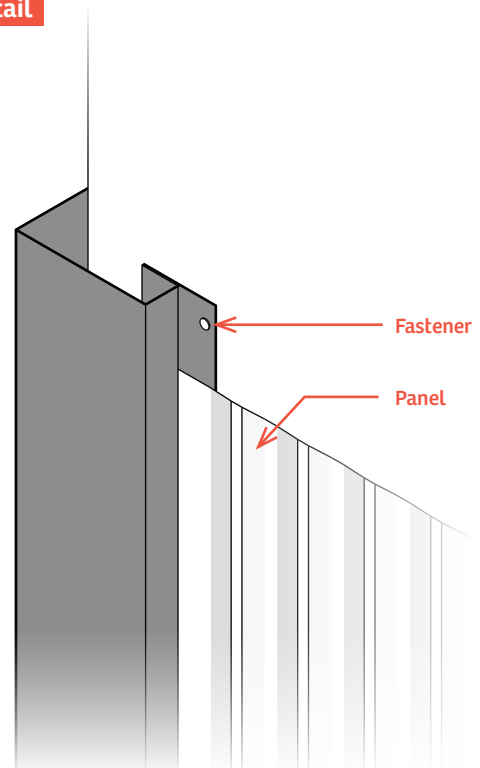
Trim Profile



NOTES

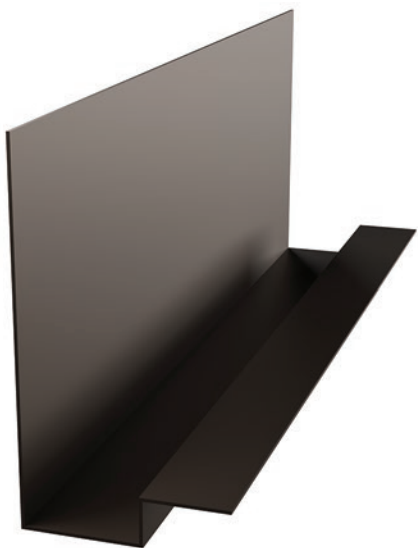
- The panel's nail flange must be cut in order to be used with Corners.
- Measure the Corner to the nearest .25".
- Notch the Corner around the bird box on soffit to fit under the gable's F & J Channel.
- To cover the end of steel corner, cut the nail flanges back at a slight angle where they hit the Base Angle.
- Allow the Corner's front to slightly overlap the base in order to eliminate a gap.
- Nailing the Corner on OSB or blocking works better than on purlins.
- If the gap for the panel is too tight, you can pry one end slightly open with a chisel.

Installation Detail

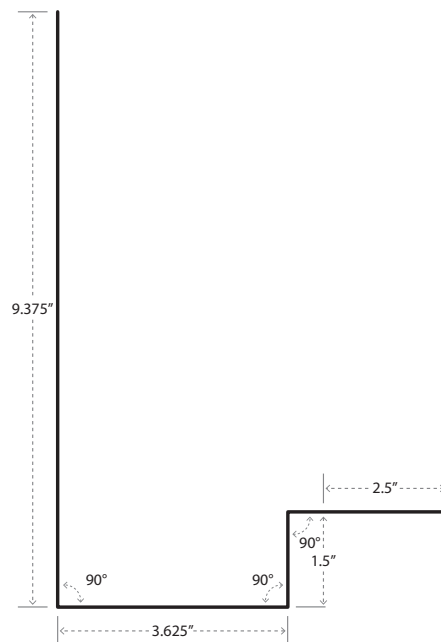


Trim – Overhead Door

Rendering



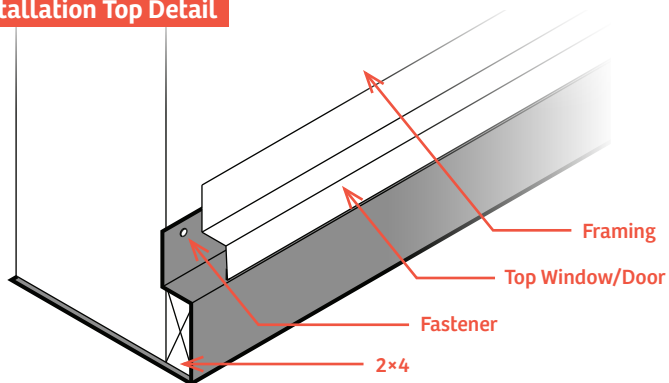
Trim Profile



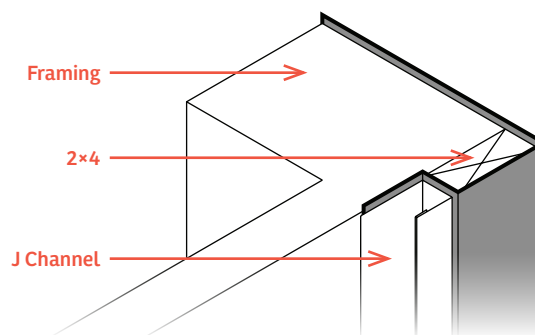
NOTES

- Use the Top Window/Door Trim for the top instead of Base Angle to minimize water-wicking.
- Use J Channel for the sides to accept the panels.
- For man doors and windows, we can create a custom trim piece for your job.

Installation Top Detail



Installation Side Detail



Panels & Fastening

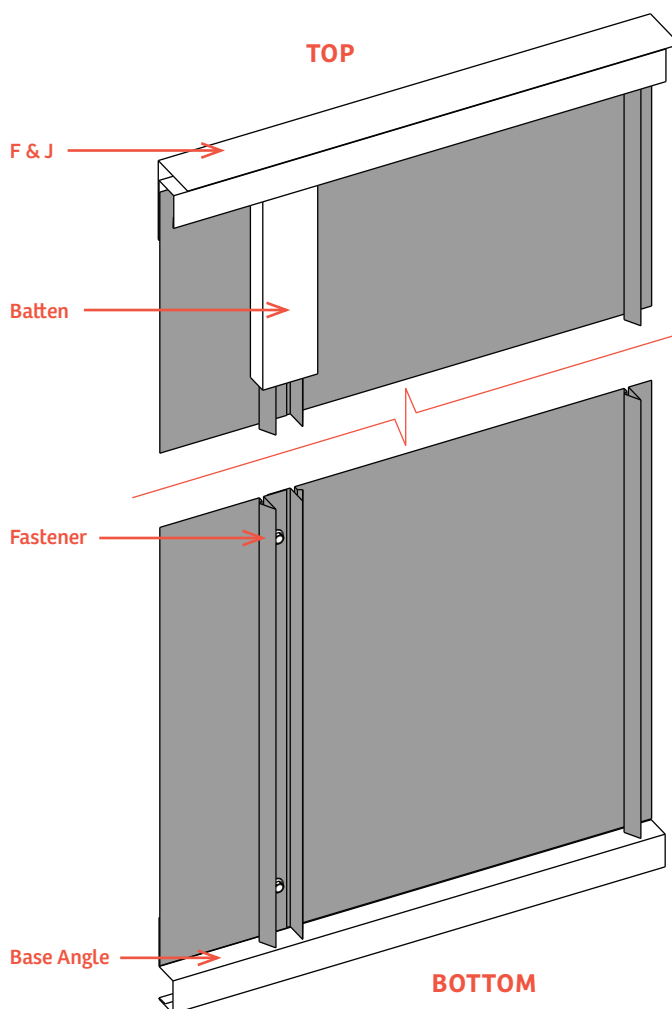
NOTES

- Trim your job first, then order your panels to fit. This will result in less cutting.
- Make sure that the starting panel on a wall is level.
- Fasten panels every 16".
- The first panel at a wall or corner needs to be cut. Remove the nail flange.
- Panels should have 0.25"–0.5" from the top of F & J channel. This makes it easier to install and avoids scratching the Base Channel.
- Leave a small space between the bottom of the panel and the Base Angle – barely touching. This reduces oil-canning.
- Never force the center of the panel together. Fasten the panel at the top and bottom, allowing its center to gap. Otherwise the panel will rattle.
- Fasteners must be driven in straight, as driving them in at an angle could lead to oil-canning.
- Ensure there is approximately 1/32" gap between the head of the fastener and the panel.
- Metal board & batten should be installed over a minimum 7/16" OSB substrate.

Full Striation Panel Profile



Fastening Detail

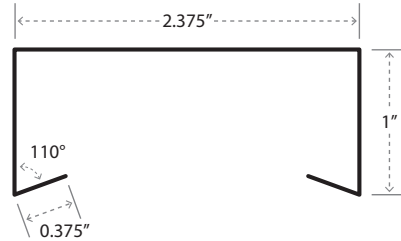


Batten Installation

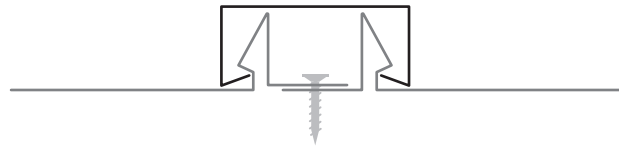
Rendering



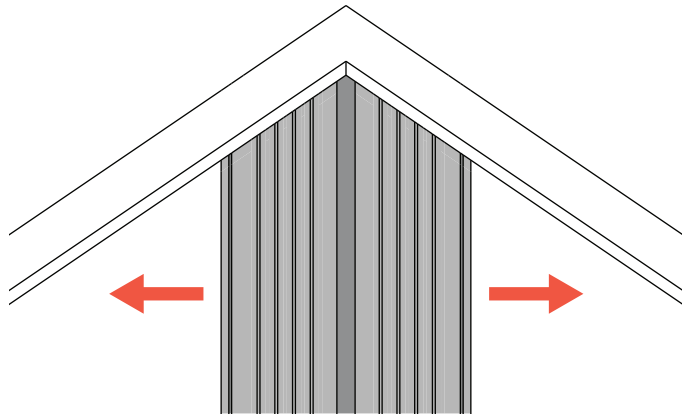
Trim Profile



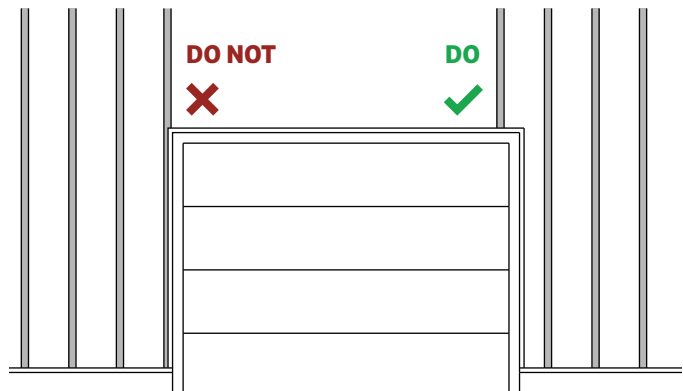
Panel & Batten Profile



Gable End Detail



Batten Alignment



NOTES

- It's critical to ensure the center panel lines up with the center of the gable.
- To save waste, order the batten at 20' lengths and cut to fit.
- Pre-measure your walls to ensure a batten does not hit a vertical J Channel. Lay out your man doors, garage doors, and windows first.
- Flare the batten's bottom to fit better against Base Angle. Cut a 1–2° angle.

Touch-Up

If minor scratches or nicks appear during the handling of the metal, use Akzo Nobel paint provided by Buckeye Metal Sales. Do not paint the whole panel. Instead, use a small brush or Q-tip and apply only to the scratch or nick. Apply coats as needed.

Siding Care & Maintenance

While the factory-applied finishes are very durable and will last many years, it may eventually become necessary to clean them. A light cleaning is usually all that is needed, and with the proper cleaning products, you can easily restore the panels to their original beauty.

Dirt pickup may cause slight discoloration of the paint when it has been exposed to a dirt-saturated atmosphere for extended periods of time. Some chalking may also occur in areas of extreme sunlight exposure.

Simply spraying the panels with plain water using a water hose or a pressure washer will be sufficient in many cases where cleaning is needed.

In areas of heavier dirt deposits, a cloth or soft bristle brush and a solution of water and detergent

(½ cup of Tide or similar laundry detergent per gallon of water) may be used, followed by a thorough rinse with clean water.

Mildew can occur in areas with high humidity but is not normally a problem due to the mildew resistance of the baked-on finish applied during manufacturing. To remove mildew, apply this solution to the needed area using a mop or soft-bristled brush. Rinse thoroughly after applying and repeat as necessary.

Mildew Solution:

- 1 cup trisodium phosphate
- 1–1½ qt. of sodium hypochlorite solution
- 1 cup laundry detergent
- 4 quarts clean water

Strong solvents or abrasive cleaners should not be used. Most solvents are flammable and should be handled with care. Do not use wire brushes, abrasives, or cleaning tools that may damage the coating surface.

Thank you for choosing Buckeye Metal Sales. At Buckeye, we commit to a high standard of quality and safety. We offer this guide to ensure the best outcomes for board & batten installation. *May success be yours.*



**Serving.
Expert.
Responsive.**

You are at the center of
what we do here at Buckeye.



Contact us!

PHONE: 740.998.4304
EMAIL: chet@buckeyemetalsales.net
WEB: buckeyemetalroofing.com

ADDRESS: 406 Jamison Road
Frankfort, OH 45628-9044

HOURS: Monday–Friday 7:30–4:30

10468

