



ARBOR | PLANK™

INSTALLATION GUIDE



The **ARBOR PLANK™** Collection from Agway Metals captures the timeless beauty of wood, with the strength, longevity, and sustainability of steel.

The 12-foot panels with hidden fasteners are perfect for both residential and commercial wall applications.

FEATURES

- Stocked in 24 and 26 gauge
- 5 stunning colour options, each with 5 shades for natural variation
- Conveniently pre-packed in boxes of 10 randomly assorted colour panels to deliver the most natural wood-like appearance
- Superior quality PVDF paint with ultra-realistic wood grain detail
- 12 ft panel length, 6 in coverage, 0.96 in profile depth
- Seamless appearance with hidden fastener installation
- All panels are pre-notched
- Ease of installation reduces time and labour costs
- Compatible with standard trims
- Trims and flats available in 24G and 26G
- Can be installed horizontally or vertically
- 100% recyclable
- 40 year paint warranty

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DISCLAIMER

The installation details provided in this manual are for illustrative purposes only and may not be suitable for all building designs or product installations. Any potential modifications required due to site conditions are the responsibility of the designer/installer/user. Agway will not be responsible for improper installation or use of the product. Climate conditions such as wind and snow, governing building code requirements, and the actual usage and maintenance of the structure should be taken into consideration.

Agway Metals Inc. shall be held harmless from any and all claims arising from lack of watertightness as a result of following these recommended drawings. Ensuring watertightness on any project is the responsibility of the installer/architect/general contractor/user. The installer must accept full responsibility for adapting these details to ensure proper installation.

Agway Metals is not responsible for the performance of the wall system when installation does not follow the recommended instructions outlined in this manual. In the event of a discrepancy between this manual and the project-specific erection drawings, the erection drawings shall govern.

All dimensions must be verified by field measurement prior to ordering or installing materials.

This manual is intended to serve as a guide for the installation of Concealed Fastened Wall Panel systems. The erector is responsible for ensuring that the product system is installed safely and in accordance with all applicable requirements.

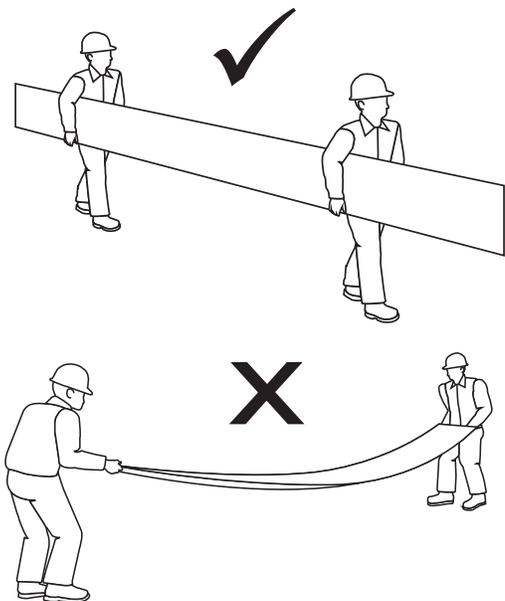
Agway Metals reserves the right to revise or modify any details, recommendations, or suggestions contained herein without prior notice. Questions regarding the proper installation of Concealed Fastened Wall Panel systems should be directed to your local Agway Metals Sales representative

SAFETY

It is the responsibility of the installer to always maintain safe work practices. Local regulations must be followed, as well as good industry installation practices.

MATERIAL HANDLING

Arbor Plank panels should be handled with the panel oriented in an upright position, the same orientation that they would be installed horizontally on a wall. Proper PPE should be worn while handling Arbor Plank panels.



MATERIAL STORAGE

It's recommended that Arbor Plank panels be installed on delivery. Materials not used immediately should be stored in a dry, climate controlled environment.

APPLICATIONS

Arbor Plank is designed to be a wall panel that can be installed vertically or horizontally. It can be used as a soffit panel, however ventilated panels are not available. It is not suitable for roof applications. Arbor Plank can be installed over solid substrates or over spaced supports. This installation guide depicts panels installed over solid substrate. Details for panels installed over spaced supports would be similar.

OIL CANNING

Oil canning is not a cause for material rejection. Numerous factors beyond Agway Metals' control may contribute to oil canning including but not limited to support system misalignment, overdriving of fasteners, inherent or induced stresses, thermal expansion and contraction, improper handling, and improper installation.

CONDENSATION, INSULATION & VENTILATION

It is the designer's responsibility to determine the need and composition of condensation control materials including insulation and vapor retarders, as well as ventilation requirements. Metal wall products are susceptible to condensation, and their control should be carefully considered.

THERMAL MOVEMENT

Both panels and flashings must allow for thermal movement (expansion and contraction) of the materials. Appropriate gaps or other provisions must be provided to accommodate thermal movement.

FLASHINGS

Flashing design is generally the responsibility of the contractor. Where possible, flashings should be lapped away from prevailing winds. It is good practice to specify that all flashings are of the same material (gauge, colour, finish) as the wall panels to ensure long-term durability.

The enclosed details have minimized the use of exposed fasteners where possible. The edges of flashings have also been shown hemmed to strengthen and to minimize the exposure of cut edges.

PANEL FASTENERS:

- Fasten panels with specified fasteners through the center of pre-punched slots of the Slotted Fastening Track
- Use a minimum #10 x 1" pancake type A fastener when fastening to a wood substrate

- Use a minimum #10 x 1" pancake self-drilling fastener when fastening to a metal substrate
- Maximum recommended spacing of fasteners is 16" OC
- All fasteners to be either galvanized or stainless steel
- Stainless steel pop rivets are recommended where used
- DO NOT OVER TIGHTEN FASTENERS
- DO NOT USE IMPACT GUNS

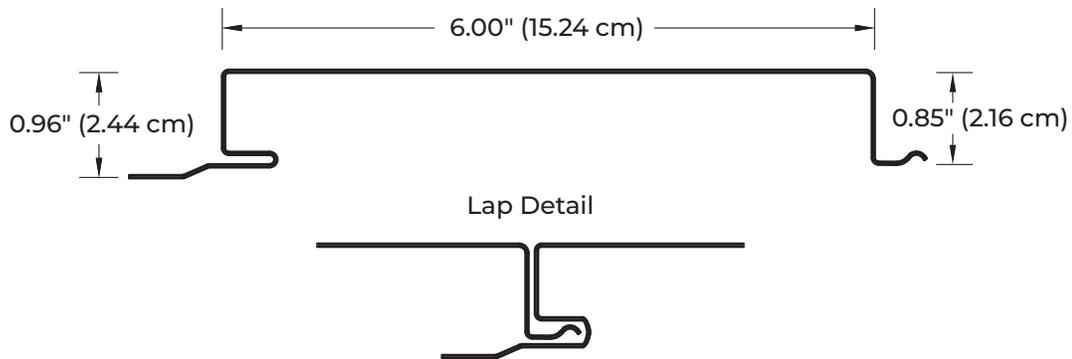
TECHNICAL ASSISTANCE:

Contact your Agway Sales Representative for additional information.

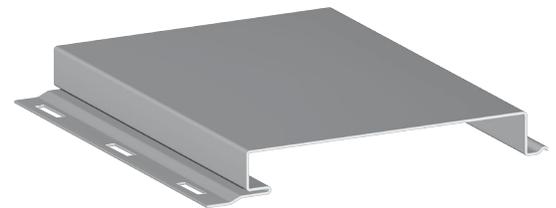
WARRANTY

Please refer to www.agwaymetals.com for warranty information.

SCHEMATIC AND DIMENSIONS



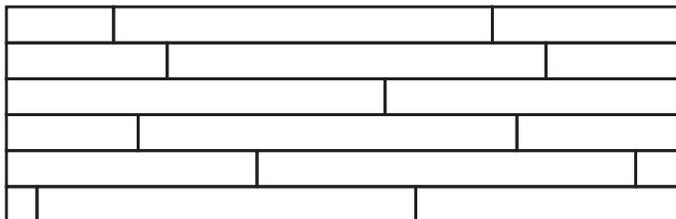
- Panel Dimensions: 6.00" x 12 ft (15.24 cm x 3.66 m)
- Coverage: 6.00" (15.24 cm)
- Profile Depth: 0.96" (2.44 cm)
- Gauge: Available in 24 and 26
- Weight: 0.64 lbs/LF (26G) & 0.81 lbs/LF (24G)
- Material Specifications: GRD33, G90 Galvanized
- Nail Strip: 0.22" x 0.56" (0.56cm x 1.42cm)
- Nail Strip Spacing: 1.42" (3.60cm)



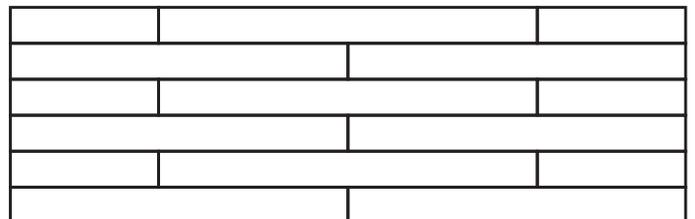
INSTALLATION STAGGERING RECOMMENDATION

To create a natural look and minimize visible repetition in appearance, ARBOR PLANK™ panels should be installed in a staggered, varied pattern. For added convenience, each box is pre-randomized to support this installation method. Installers may be required to adjust the order of panels out of the box to achieve a balanced appearance.

CORRECT



INCORRECT



ACCESSORIES, TOOLS & EQUIPMENT



#10 x 1" - Metal to Wood - Quad Drive, Pancake Head, Self-Tapping Type 'A' Screw, Hidden Fastener, Zinc-Plated (AFWO0400100002)



#10 x 1" - Metal to Metal - Robertson Drive, Pancake Head, Self-Tapping Type 'A' Screw, Hidden Fastener, Zinc-Plated (AFWO0410100002)



Pop Rivets - Exposed Fastener, Zinc-Plated, Colour Matched



Arbor Plank Guillotine for Trimming Panels to Size

In addition to the main tools and accessories shown above, the following tools and equipment may be required:

- Power Saw (with steel sheet blade)
- Power Shears
- Hand Snips
- Folding Tool
- Turbo Shear
- Utility Knife
- Pliers
- Tape Measure
- Level
- Ladder

NOTES:

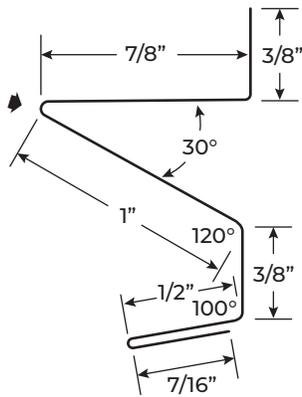
- Do NOT use impact guns for installation. Use only screw guns during assembly of Arbor Plank panels.
- Flat head screwdriver may be required to open female fold after using guillotine.

TRIMS & FLASHINGS

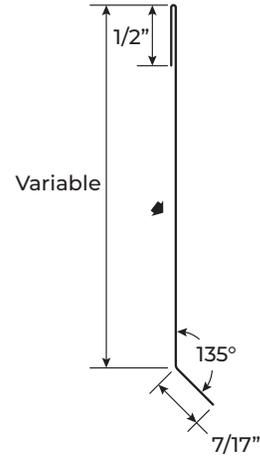
Arbor Plank trims and flashings are manufactured to meet the requirements of most common installation scenarios. Due to varying site conditions and design details, on-site modifications to trim angles or dimensions may be required. Custom-fabricated trims and flashings can also be produced to meet unique project specifications.

ALTERNATE BASE (HORIZONTAL PANEL)

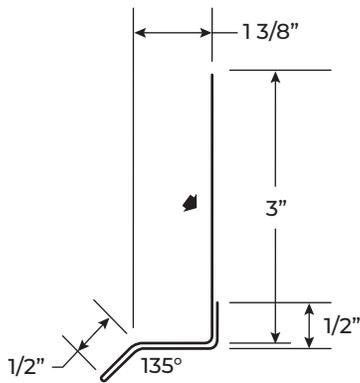
See page 33 for more details



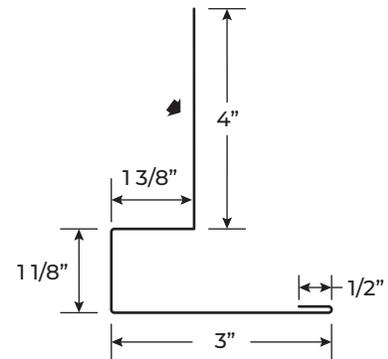
CLEAT / STARTER



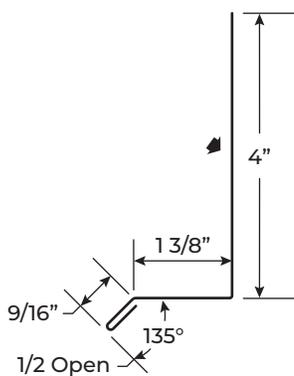
DOUBLE SIDED BASE TRIM



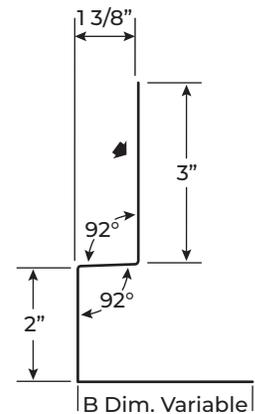
DRIP FLASHING 1



DRIP FLASHING 2

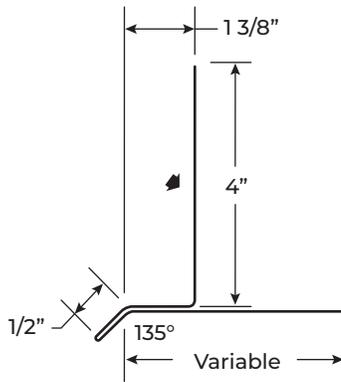


HEAD TRIM

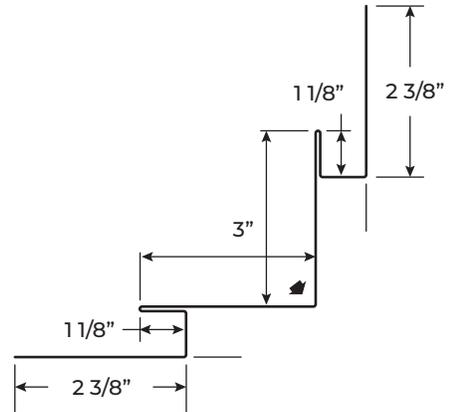


TRIMS & FLASHINGS

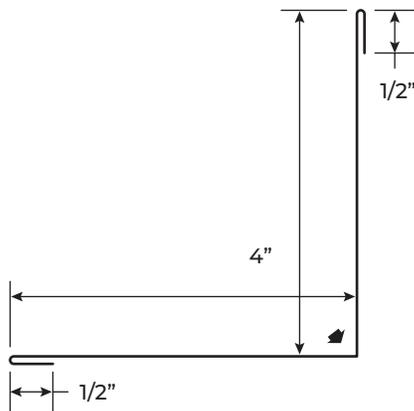
HEADER TRIM



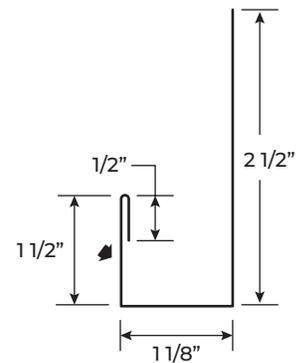
INSIDE CORNER POST



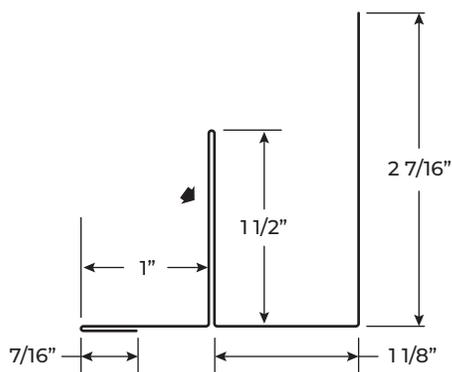
SIMPLE INSIDE CORNER



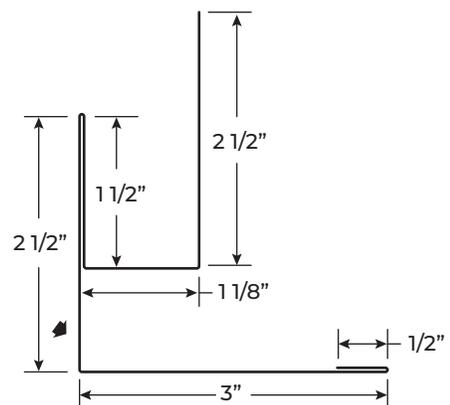
J CHANNEL



OPEN INSIDE CORNER

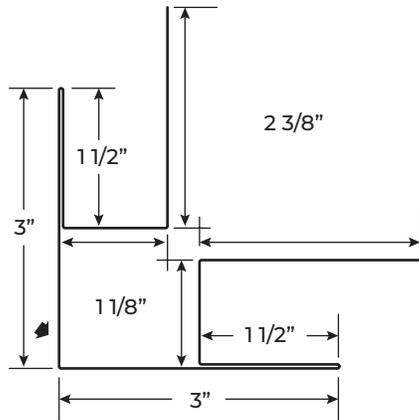


OPEN OUTSIDE CORNER

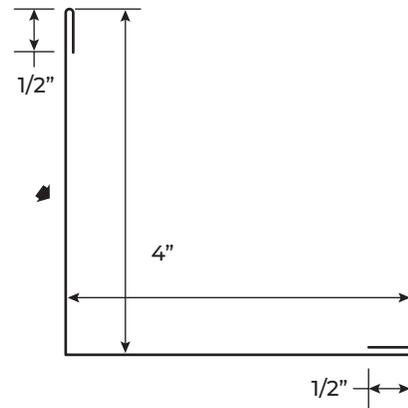


TRIMS & FLASHINGS

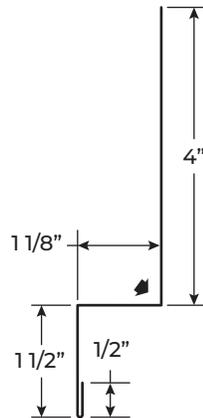
OUTSIDE CORNER POST



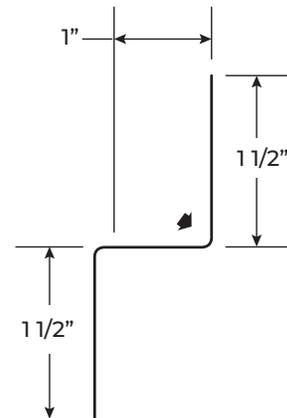
SIMPLE OUTSIDE CORNER



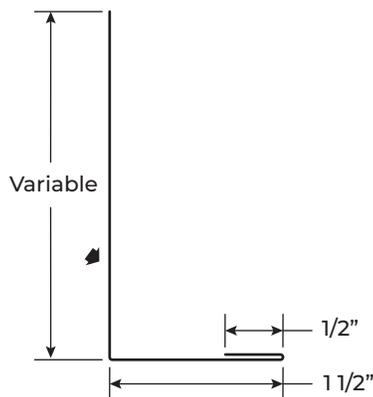
SILL FLASHING



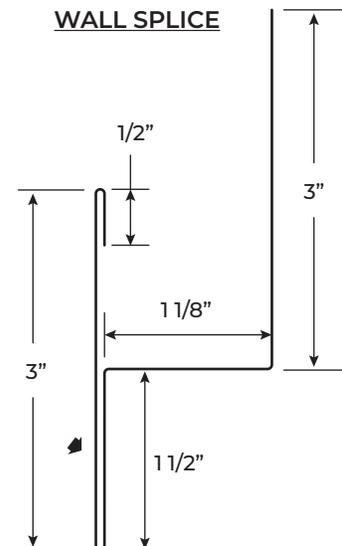
SUPPORT Z



WALL CLOSURE

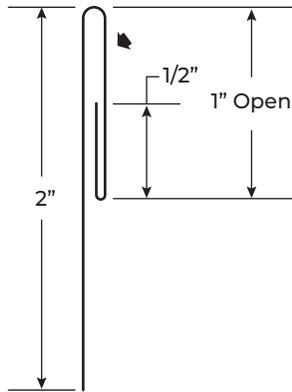


WALL SPLICE

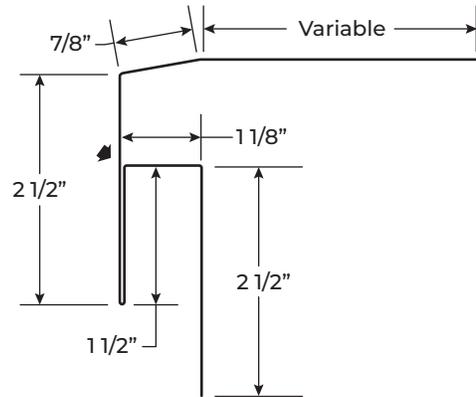


TRIMS & FLASHINGS

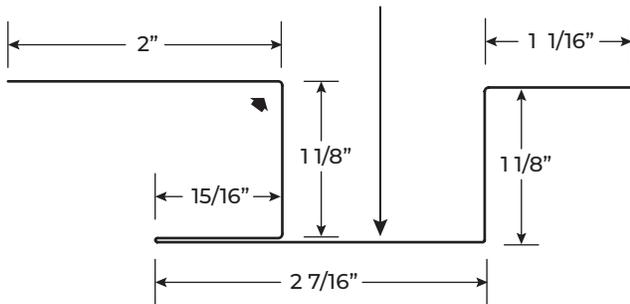
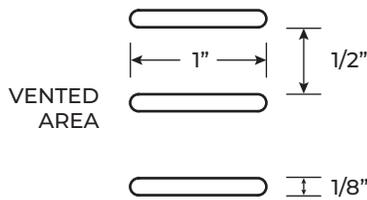
WAVE CAP



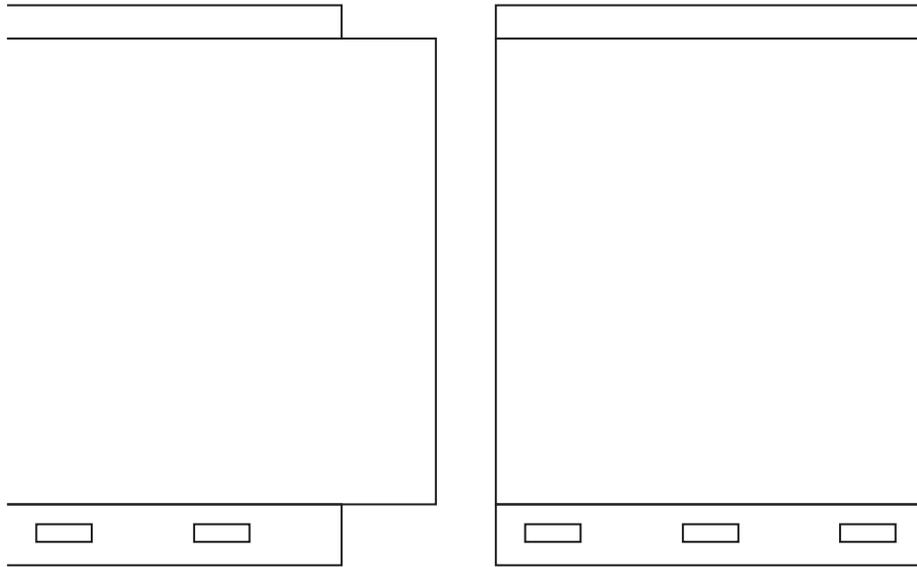
WINDOW SILL TRIM



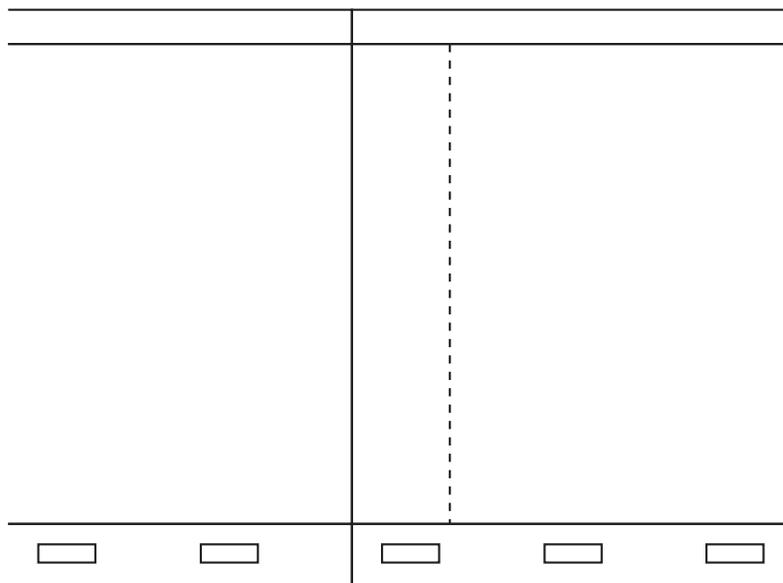
VENTED SOFFIT TRIM



NOTCHING DETAIL



NOTCHED END GOES UNDERNEATH THE UNNOTCHED END



WALL SURFACE PREPARATION

PLAN YOUR WORK

Prior to installation of each wall, the work should be planned out and measured. Specifically for horizontal installation, Arbor Plank should be installed from top to bottom and considerations should be taken to end with a full panel at the bottom of the wall. Thermal expansion should also be considered.

SUITABLE WALL SURFACES

Arbor Plank may be installed in either a horizontal or vertical orientation. Installation on sloped surfaces is not recommended by Agway Metals.

Arbor Plank may be fastened to the following substrates:

- Minimum 1/2" (13mm) plywood sheathing
- Wood strapping or steel girts spaced no greater than 16" OC
- Or as otherwise mandated by applicable provincial and/or local building codes

WALL ALIGNMENT

Prior to installation, confirm that the wall substrate is straight, square, and plumb. Failure to do so may result in aesthetic irregularities such as oil canning, panel rippling, waviness, or other visible distortions in the metal finish.

HOUSE WRAP REQUIREMENTS

For standard applications, install house wrap over the exterior wall surface before beginning any Arbor Plank installation. A properly sealed house wrap helps minimize air infiltration and directs incidental moisture away from the wall assembly. Always comply with local building code requirements regarding house wrap materials and installation practices.

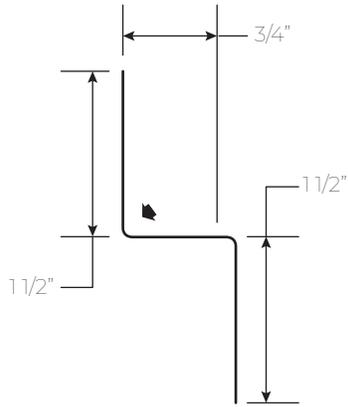
RETROFIT APPLICATIONS

- The homeowner/contractor is responsible for verifying that the existing wall structure can support the added weight of the new cladding
- Confirm compliance with local building code requirements before beginning work
- Remove all existing cladding materials
- Remove any existing flashing
- Replace any deteriorated or damaged wood strapping and/or boards
- Follow all applicable steps outlined above under "Wall Surface Requirements & Preparation"

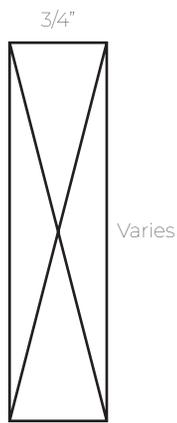
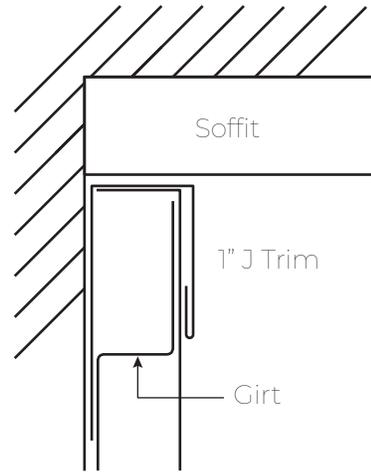
IMPORTANT NOTES

- In all applications, the substrate must be level, aligned, and plumb. No foreign objects or protrusions should extend beyond the face of the support in a way that would interfere with a flat, secure panel installation.
- Ensure all panel laps are positioned over and centered on the supporting member so both adjoining sheets can be properly fastened to the same support.

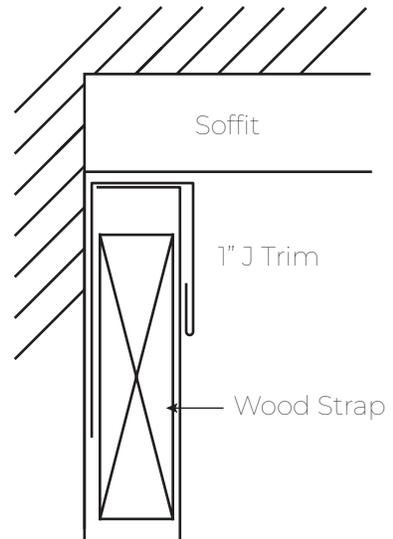
METHODS OF INSTALLATION FOR CUT SHEETS



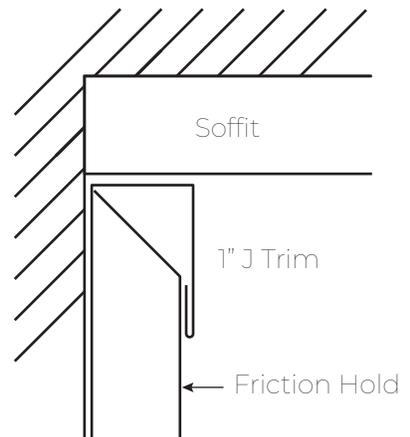
Galvanized Girt



Wood Strapping

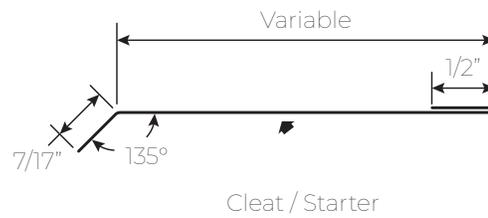
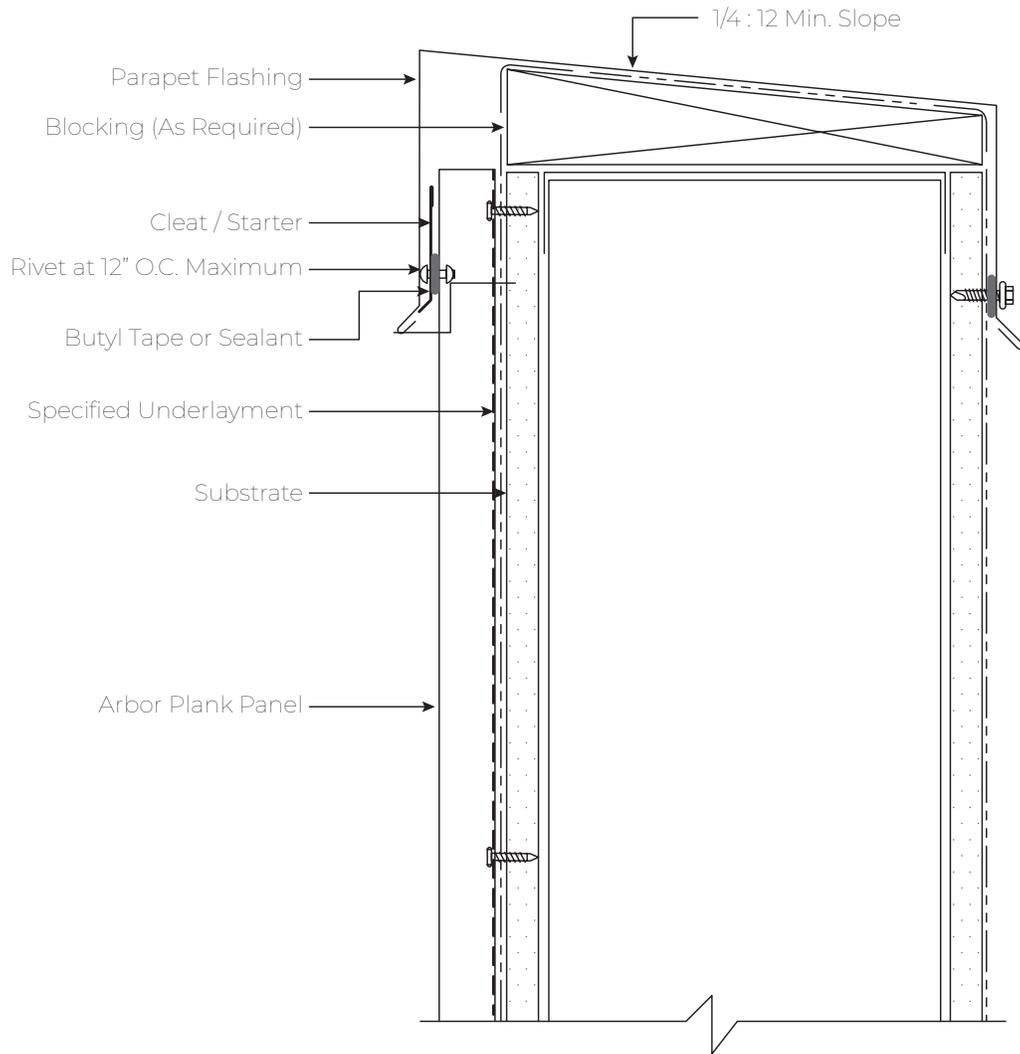


Site Bend Panels for Friction Hold

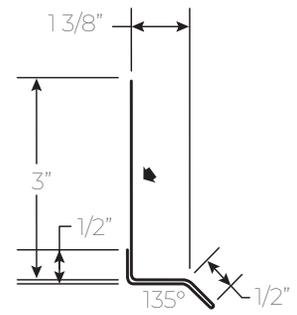
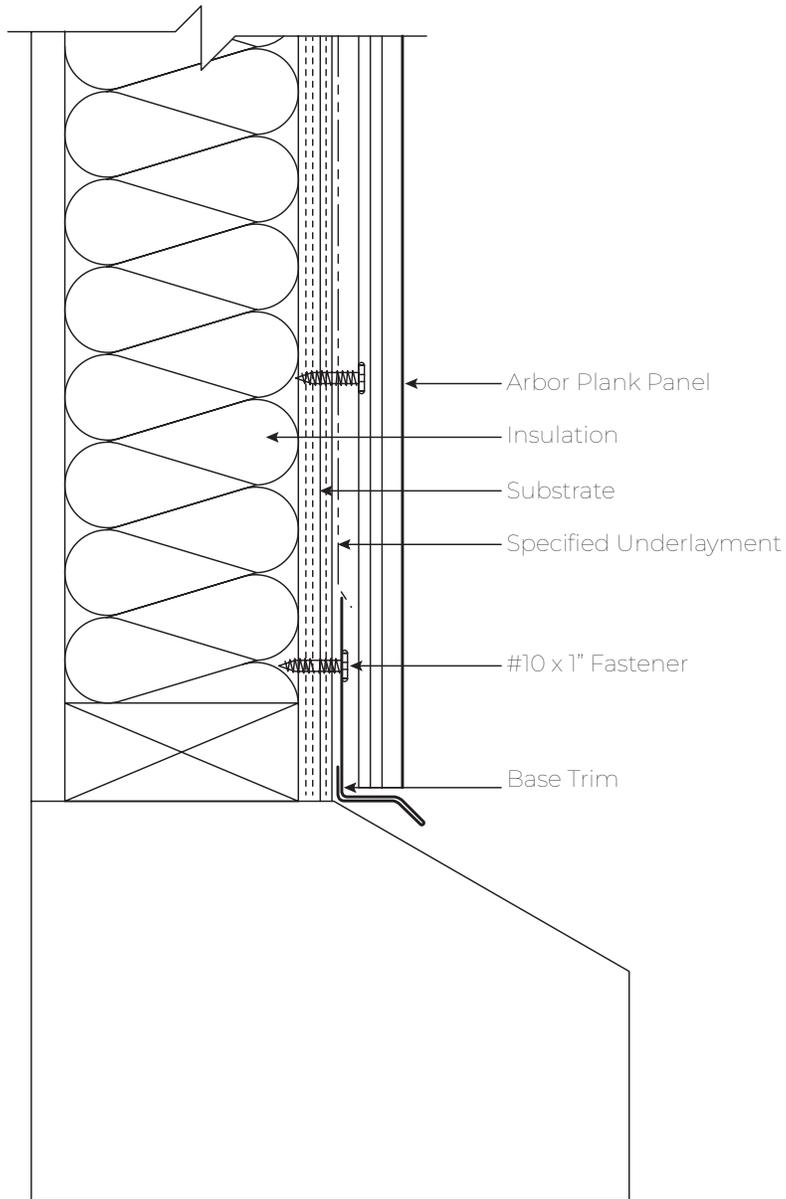


VERTICAL PANEL DETAILS

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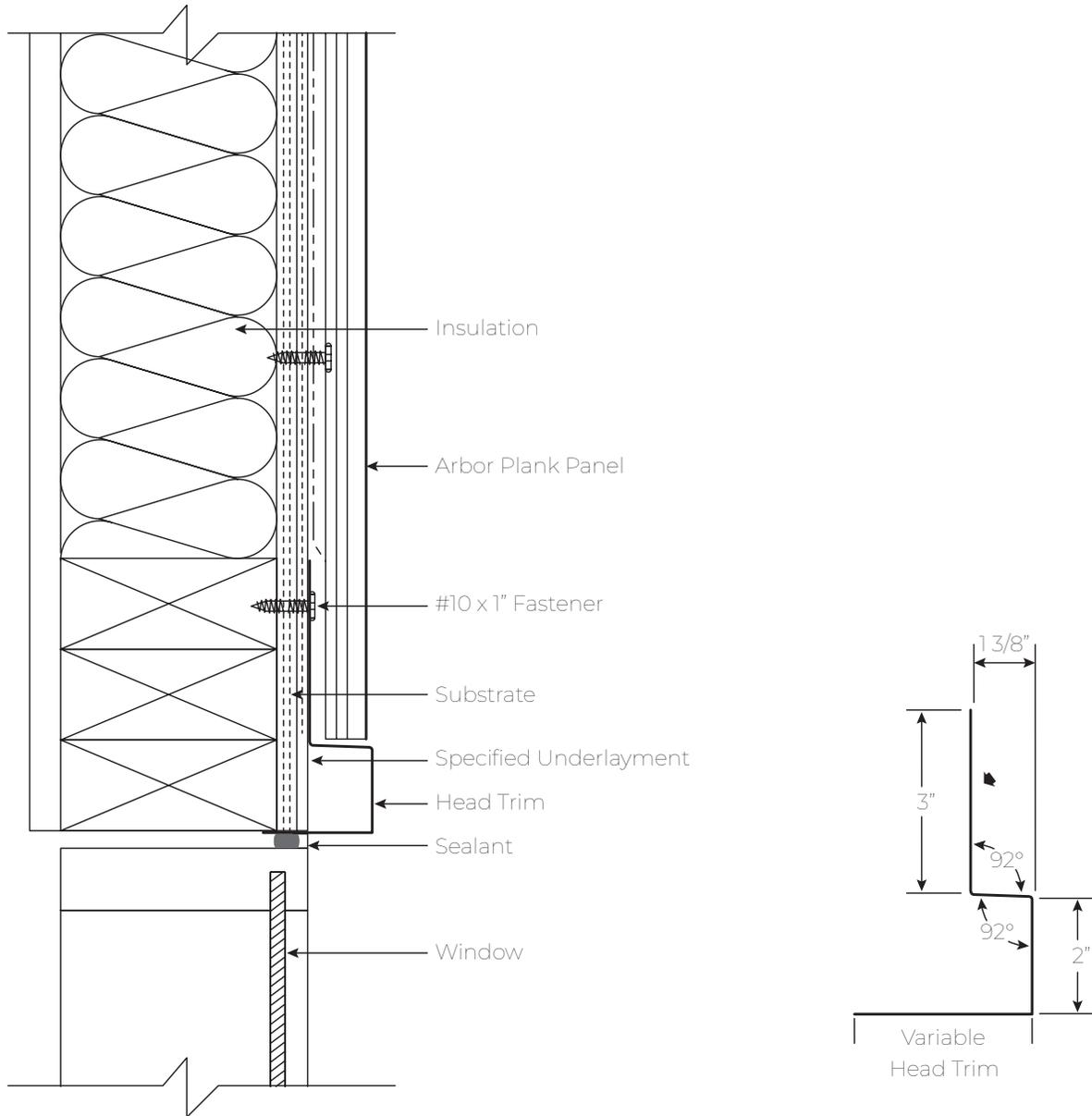


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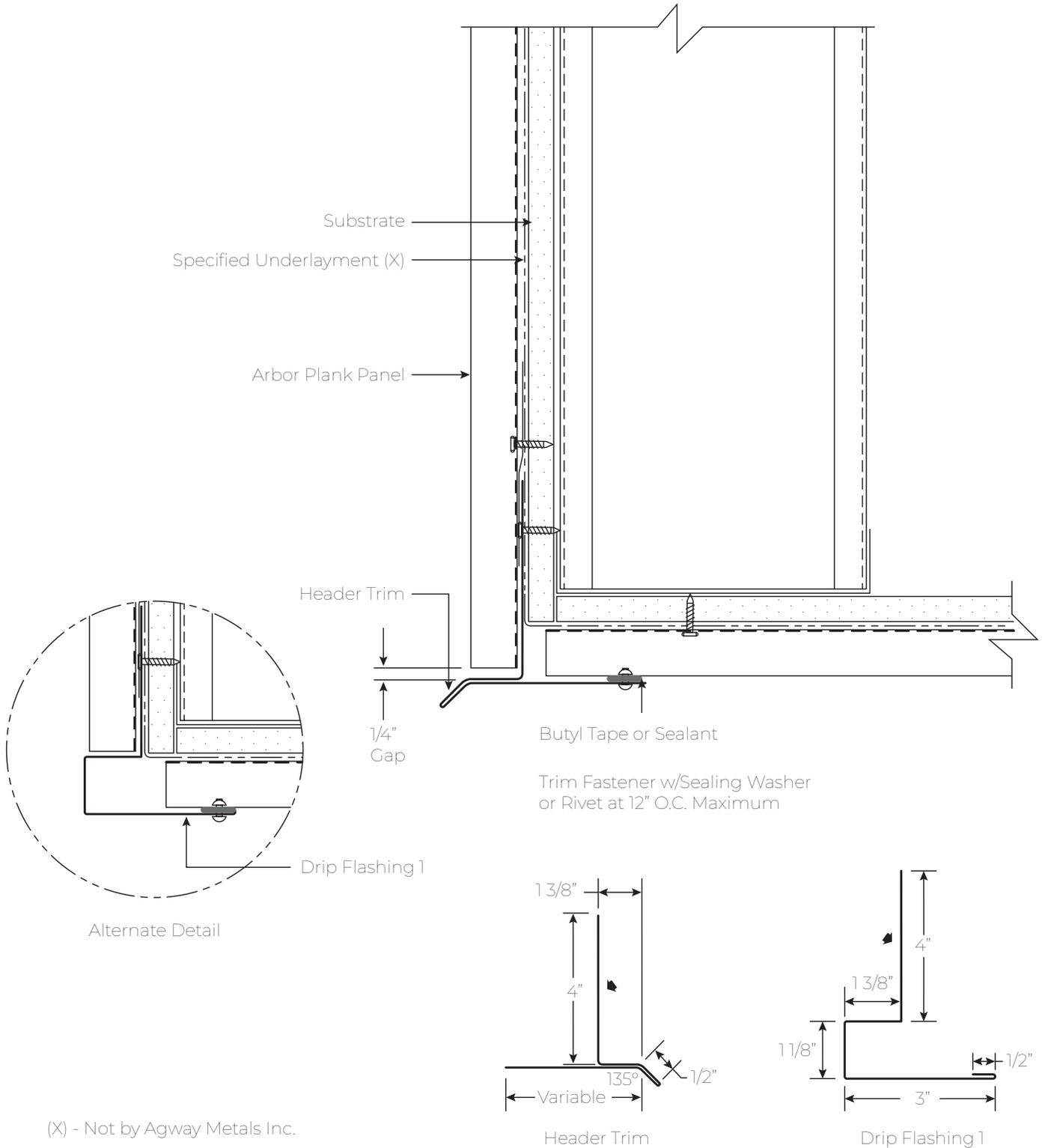


Double Sided Base Trim

VERTICAL PANEL DETAILS

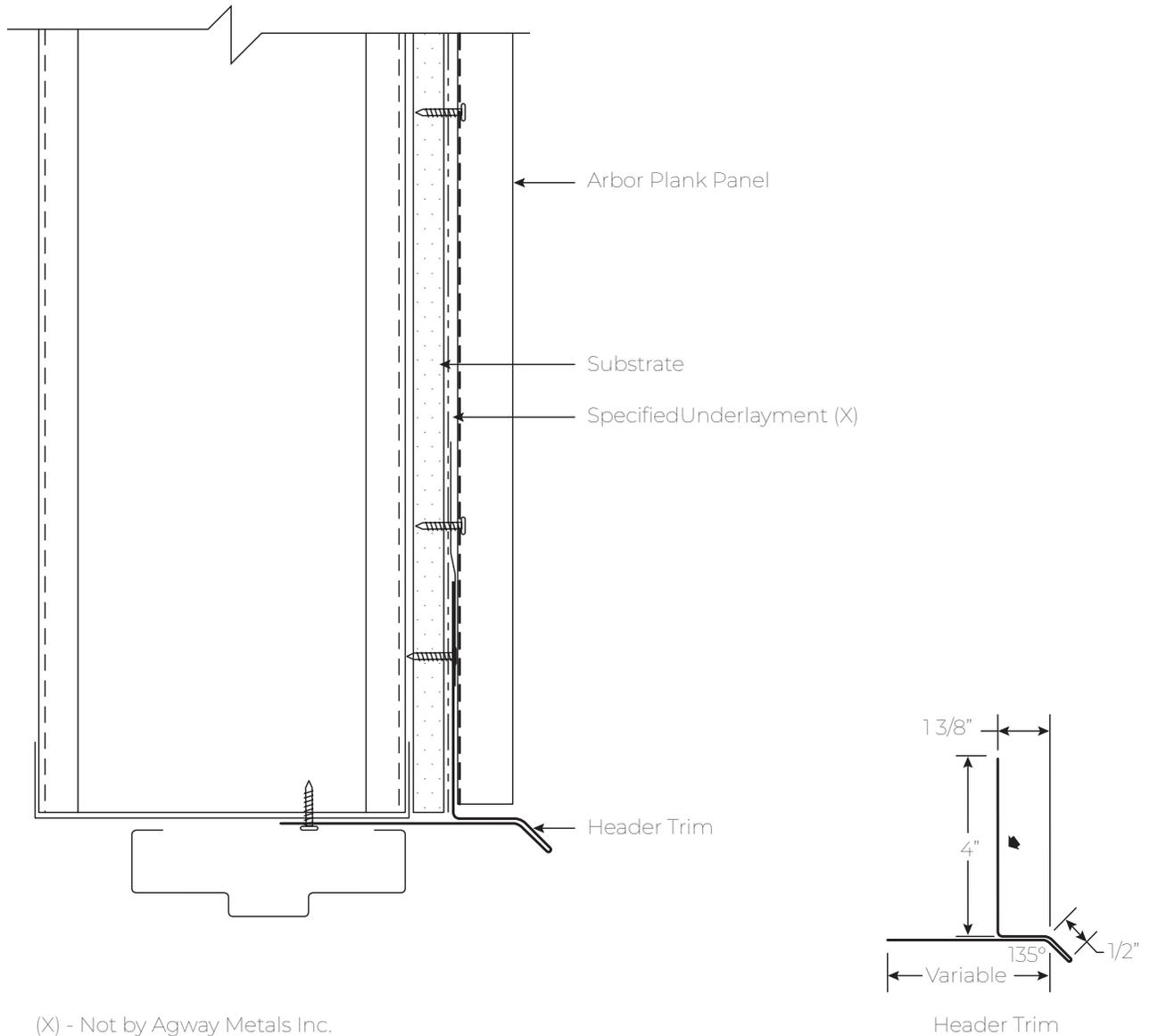


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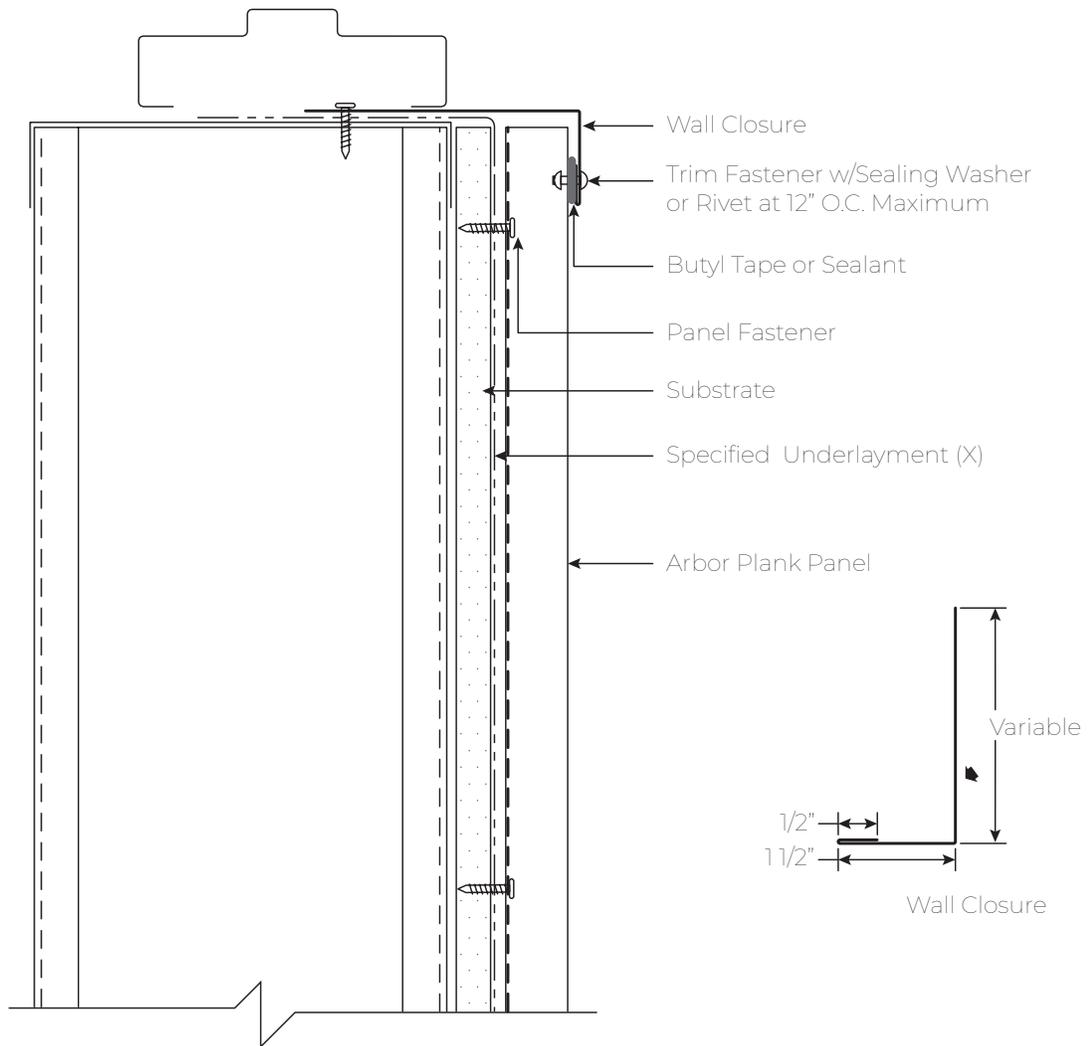


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VERTICAL PANEL DETAILS

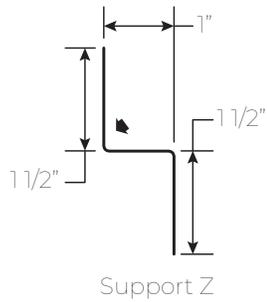
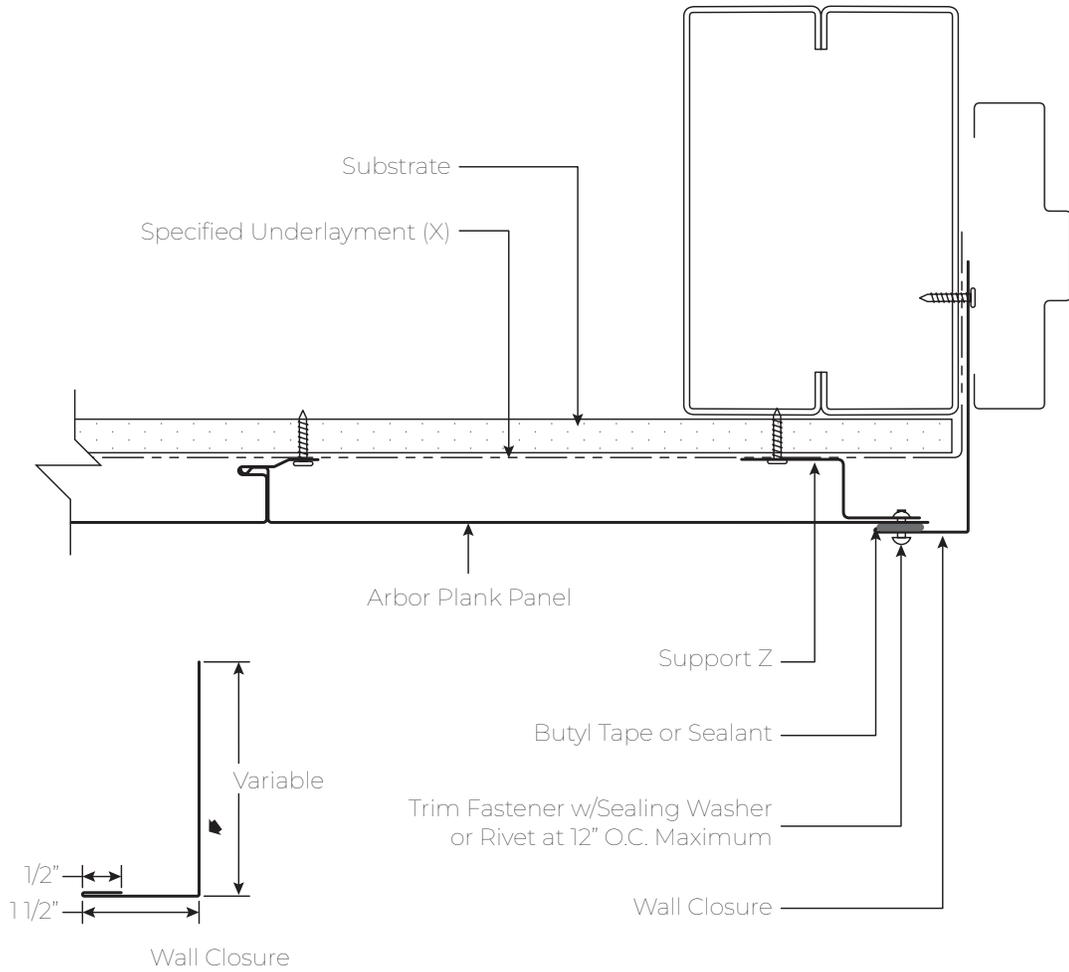


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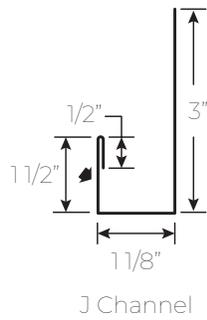
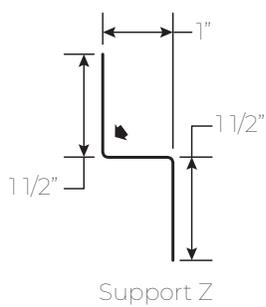
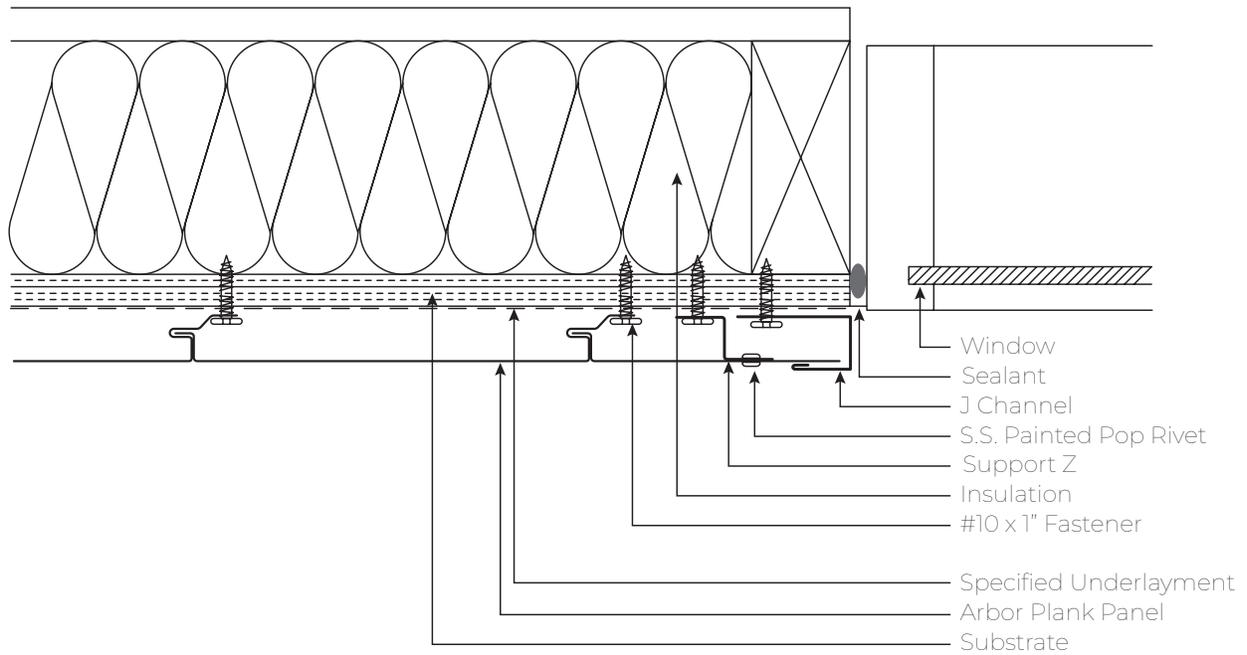
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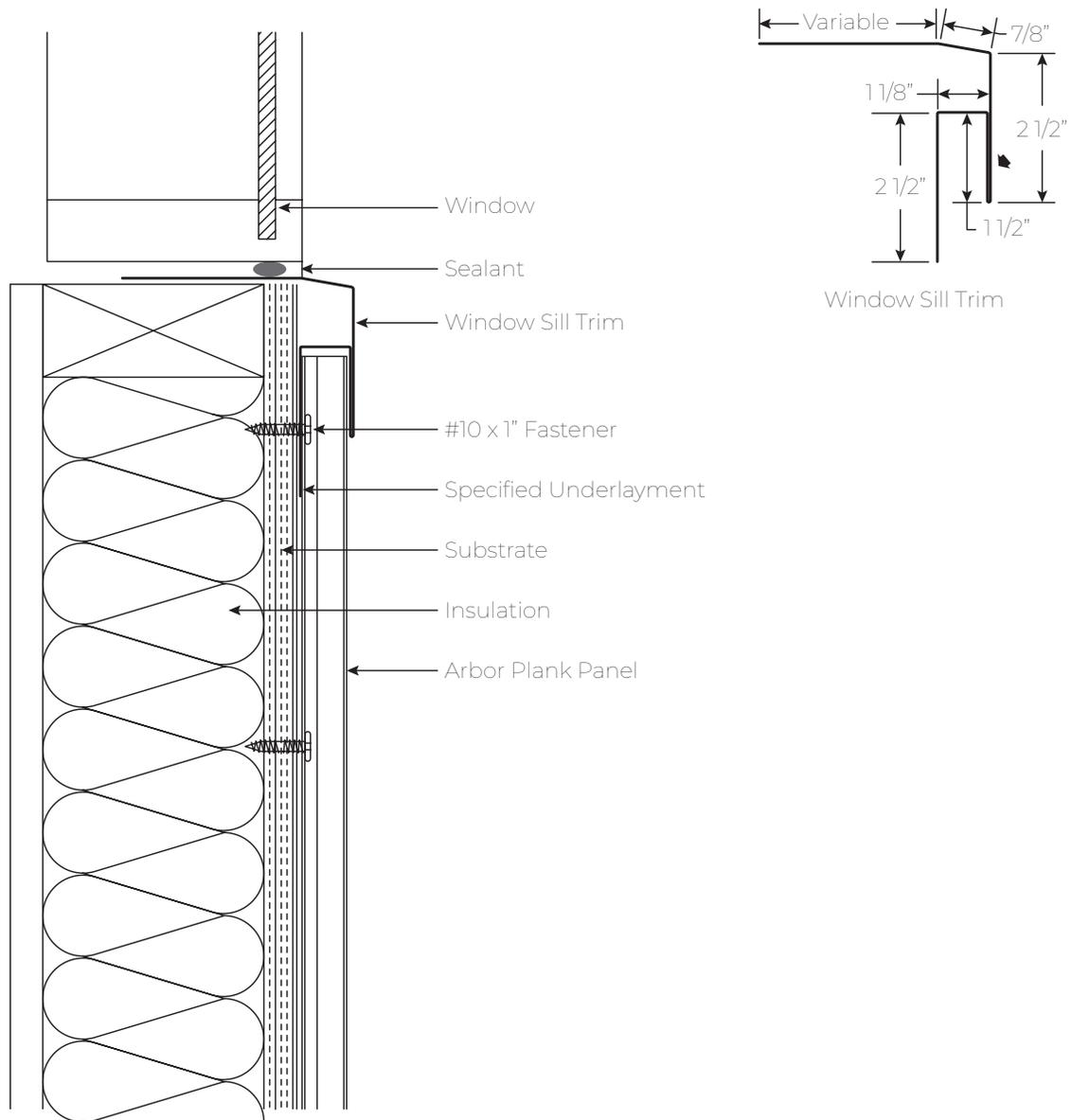
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(V) - Dimensions Vary Based on Project Conditions

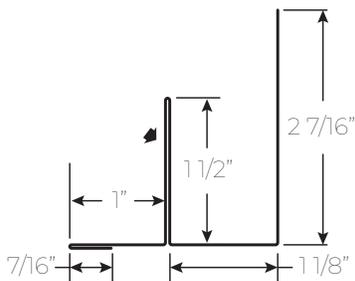
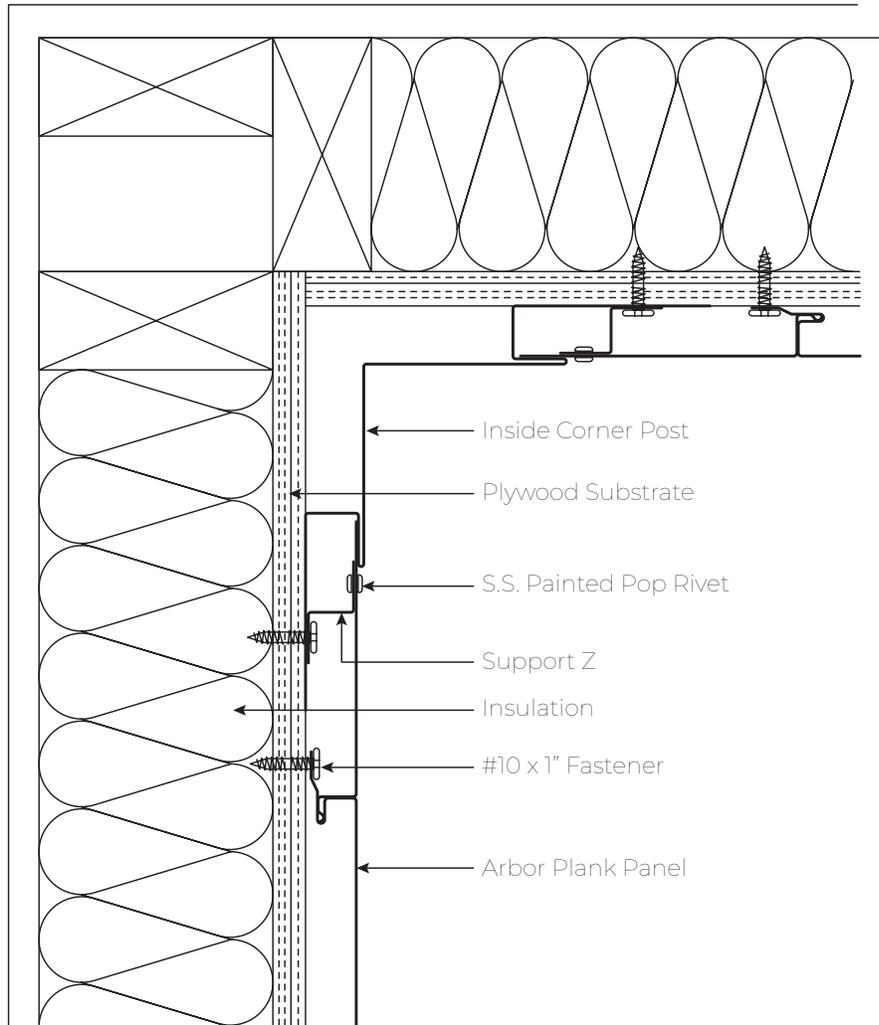
VERTICAL PANEL DETAILS



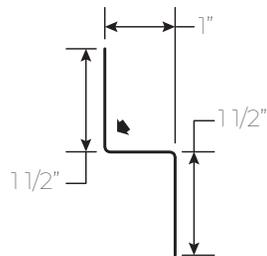
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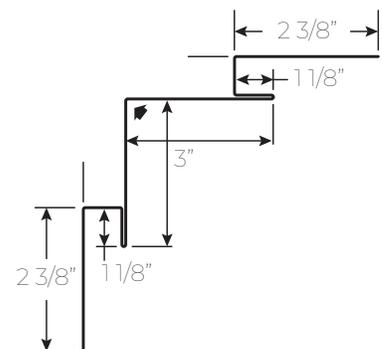
VERTICAL PANEL DETAILS



Open Inside Corner

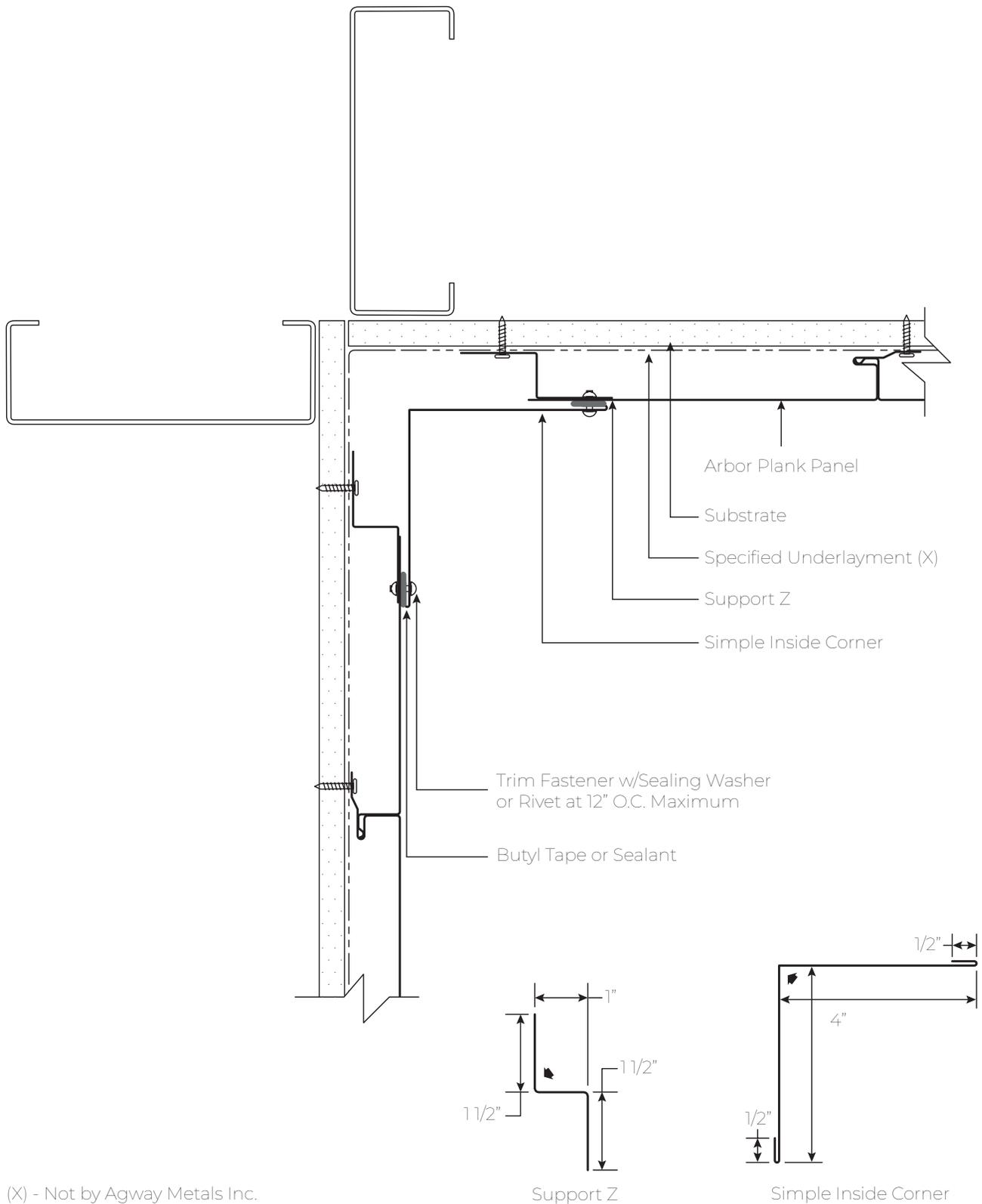


Support Z



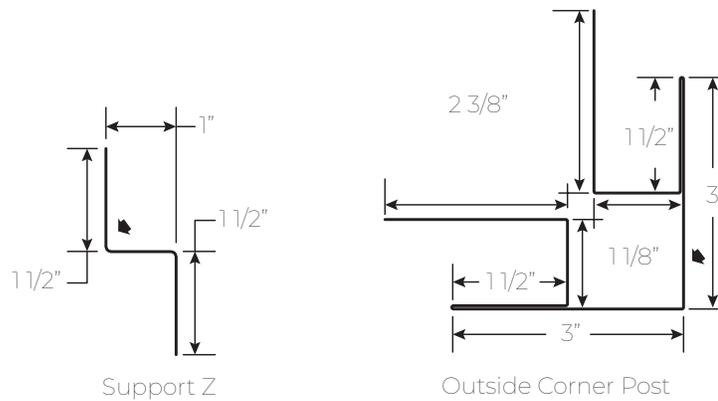
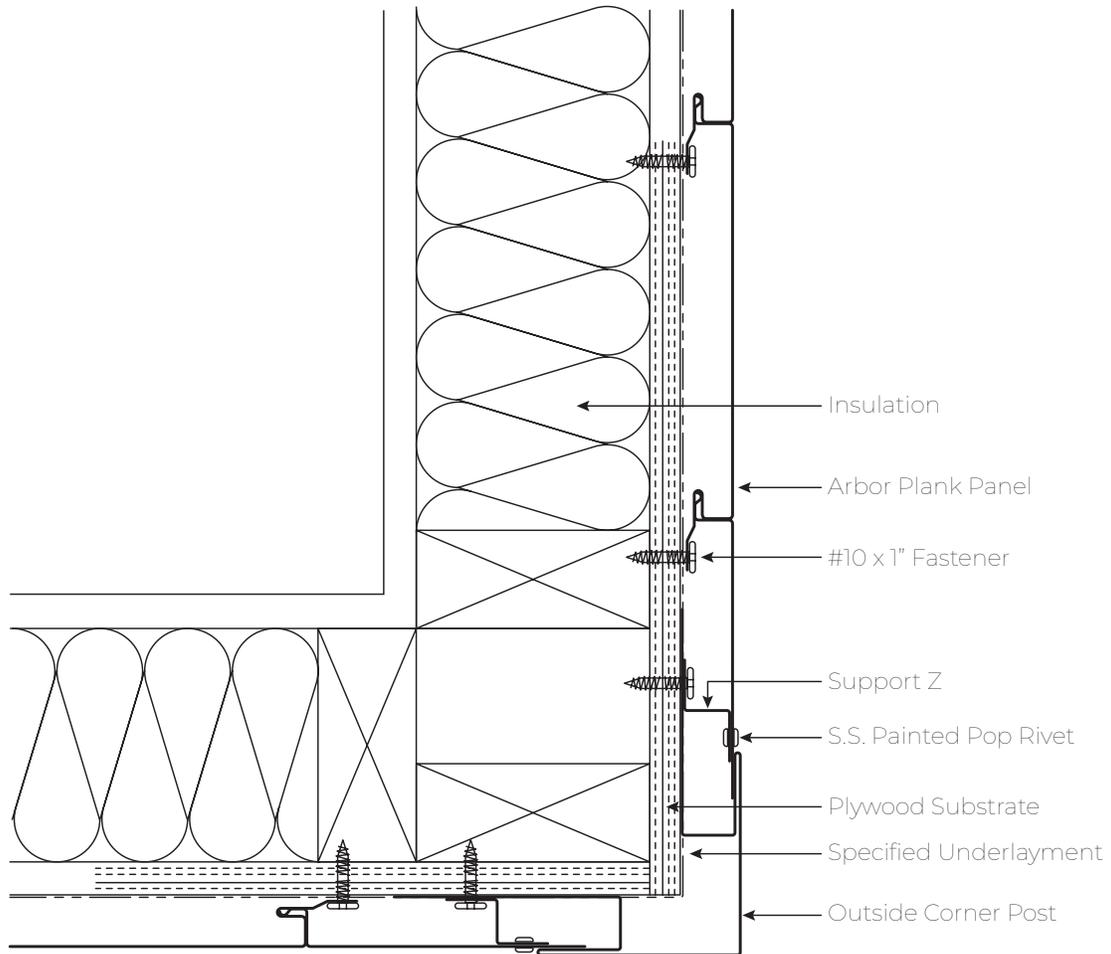
Inside Corner Post

VERTICAL PANEL DETAILS

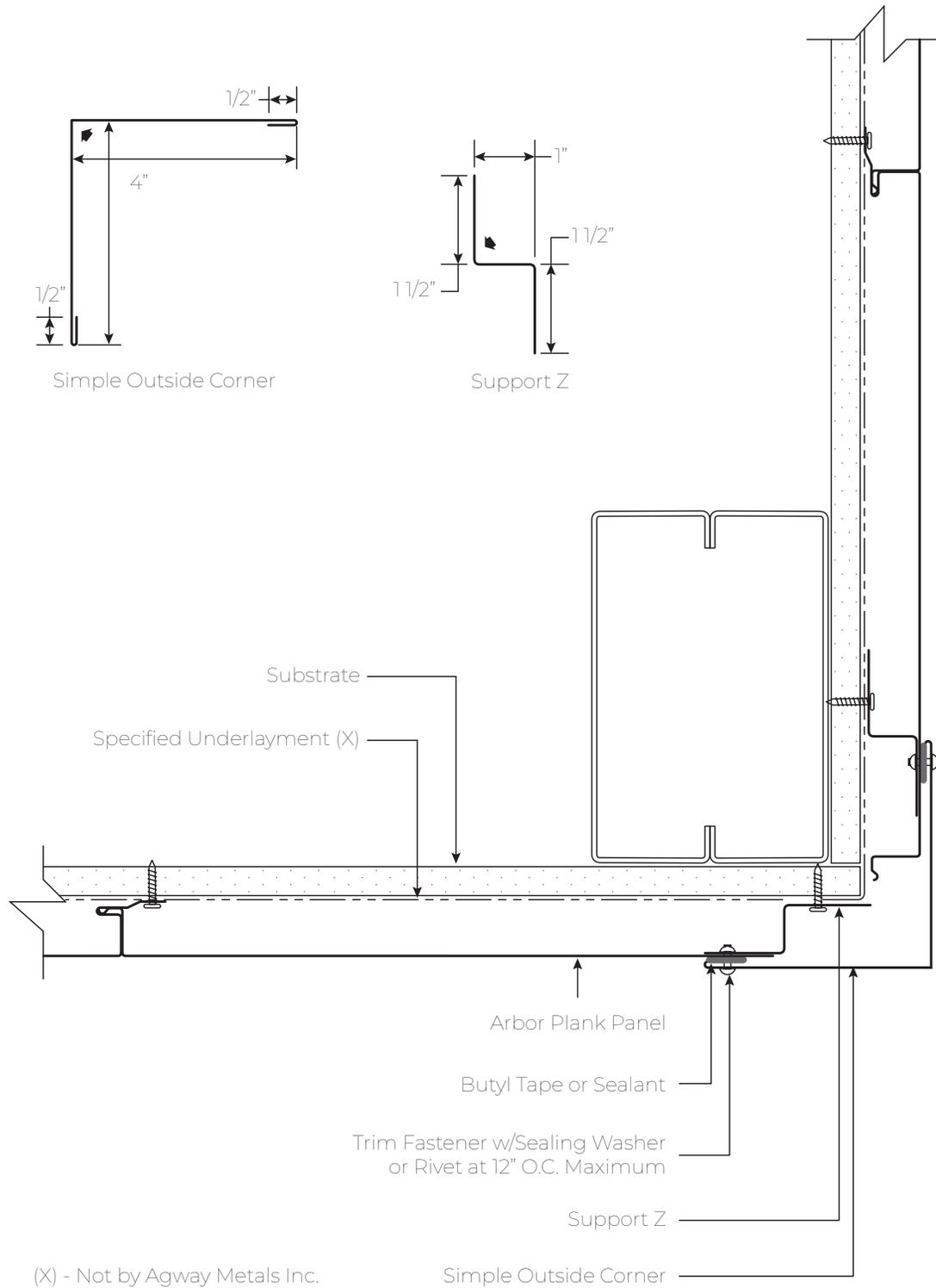


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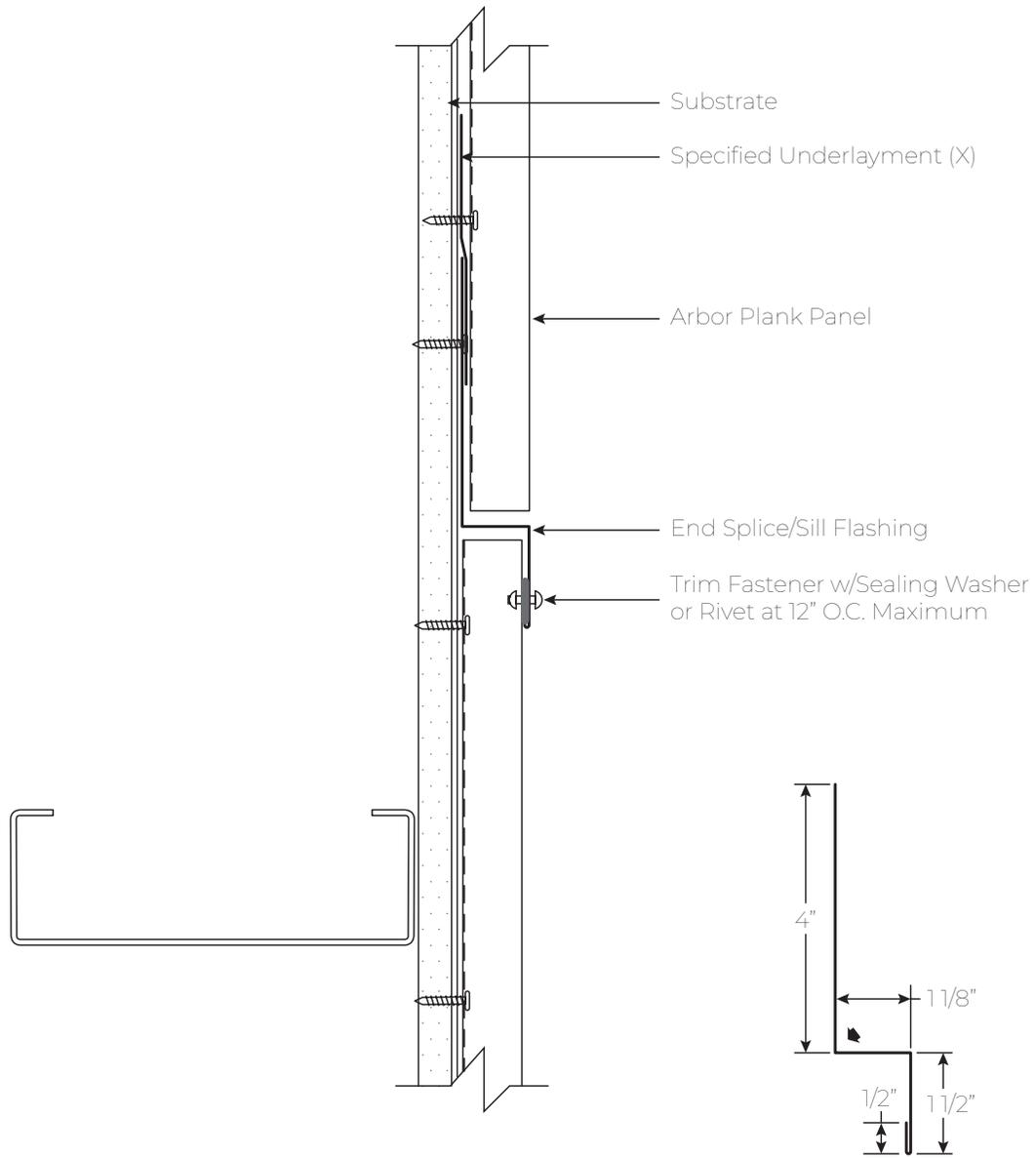
VERTICAL PANEL DETAILS



VERTICAL PANEL DETAILS



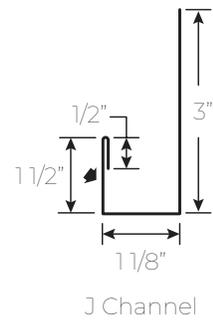
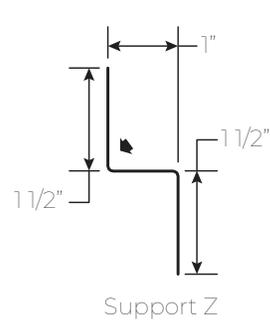
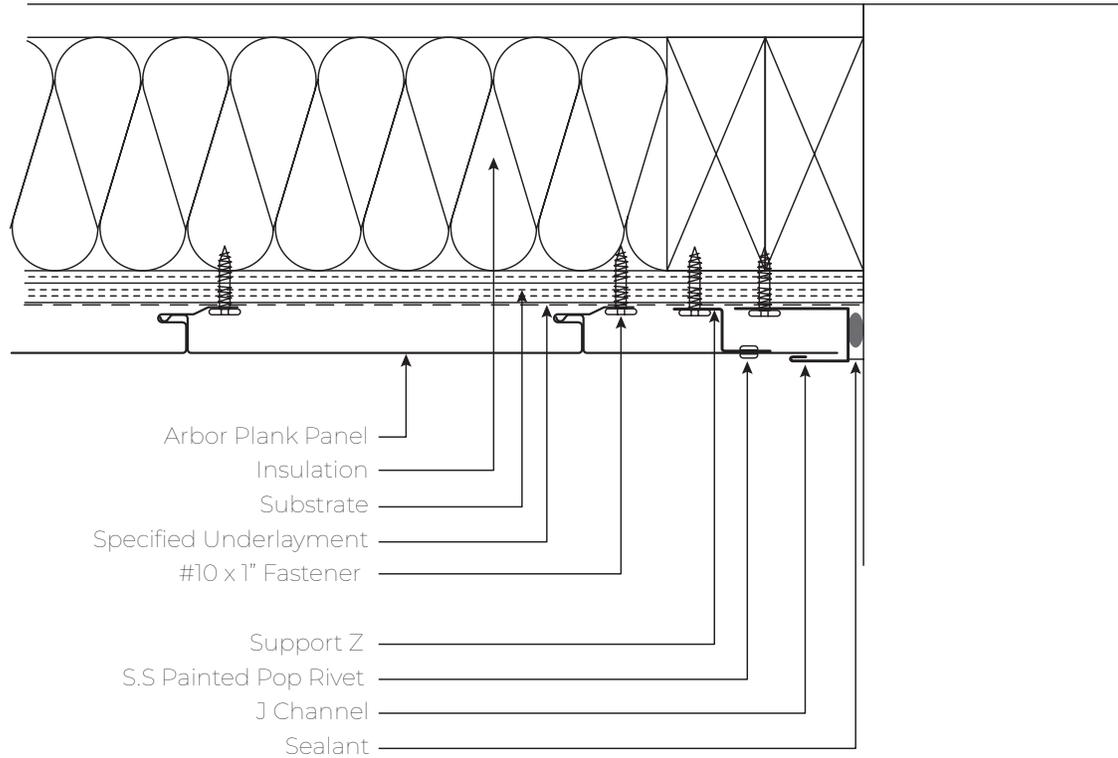
VERTICAL PANEL DETAILS



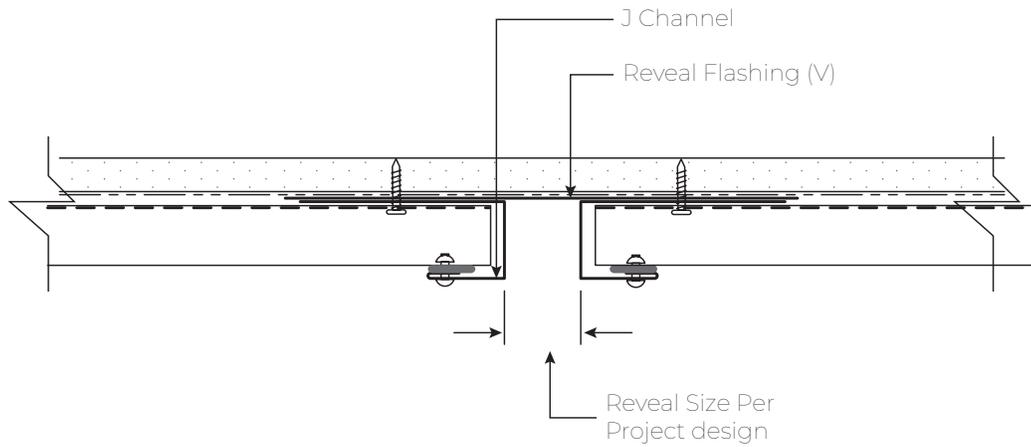
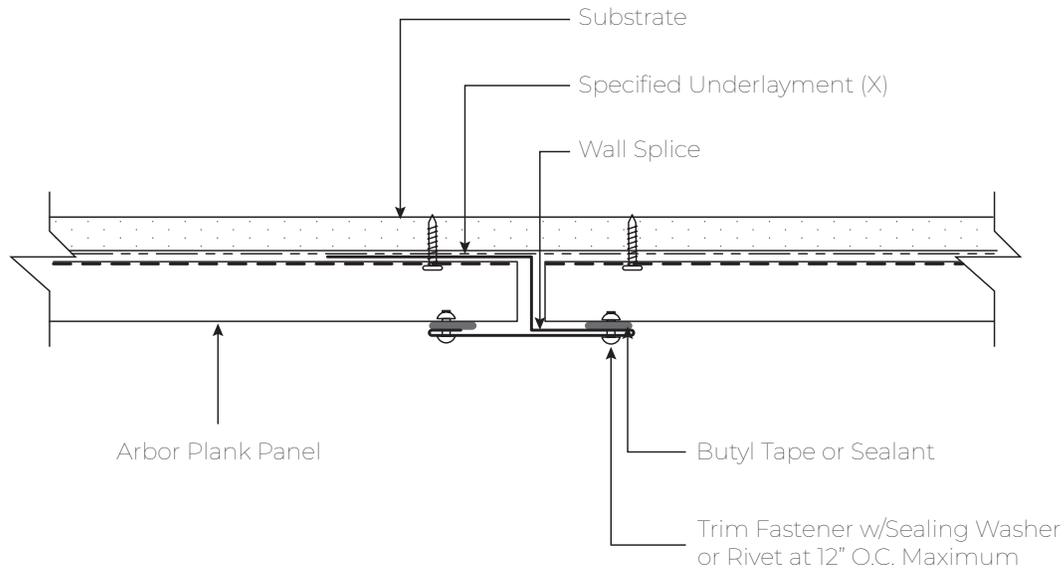
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Sill Flashing

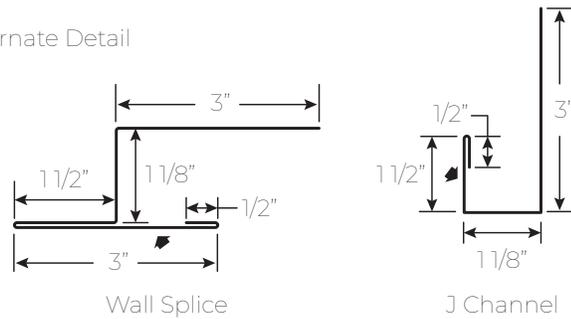
VERTICAL PANEL DETAILS



VERTICAL PANEL DETAILS



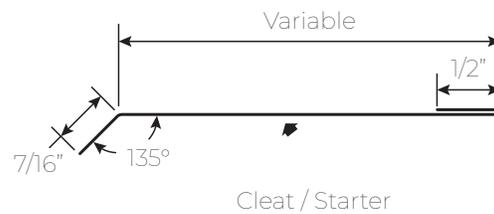
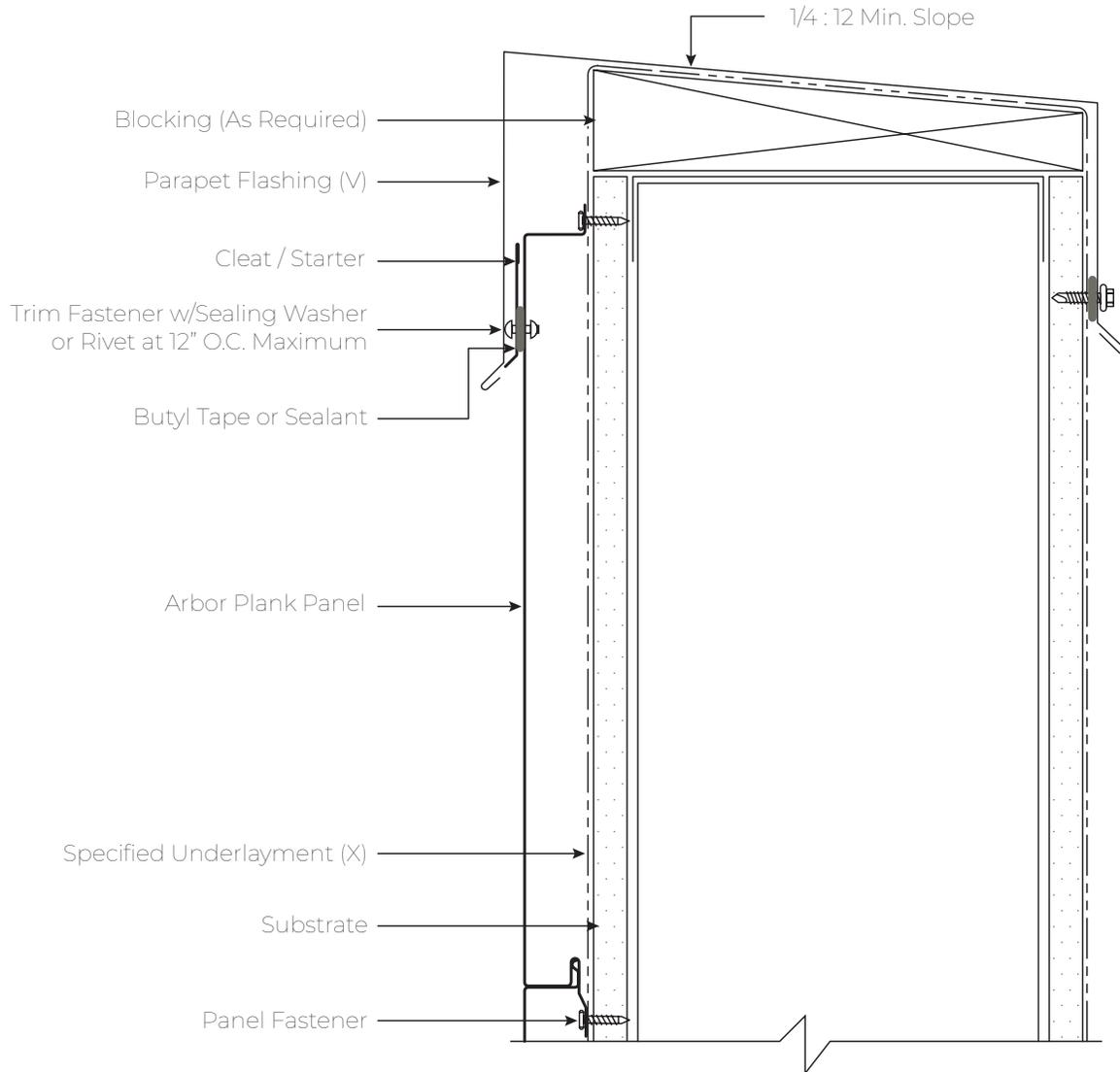
Alternate Detail



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 (V) - Dimensions Vary Based
 on Project Conditions

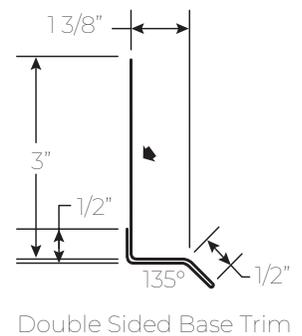
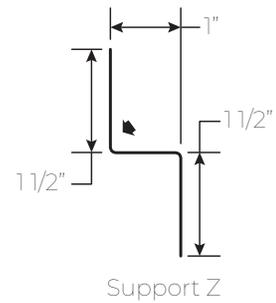
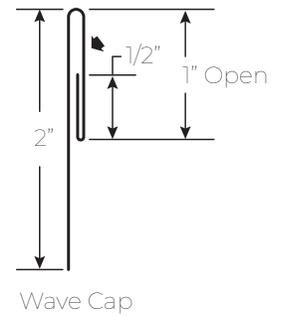
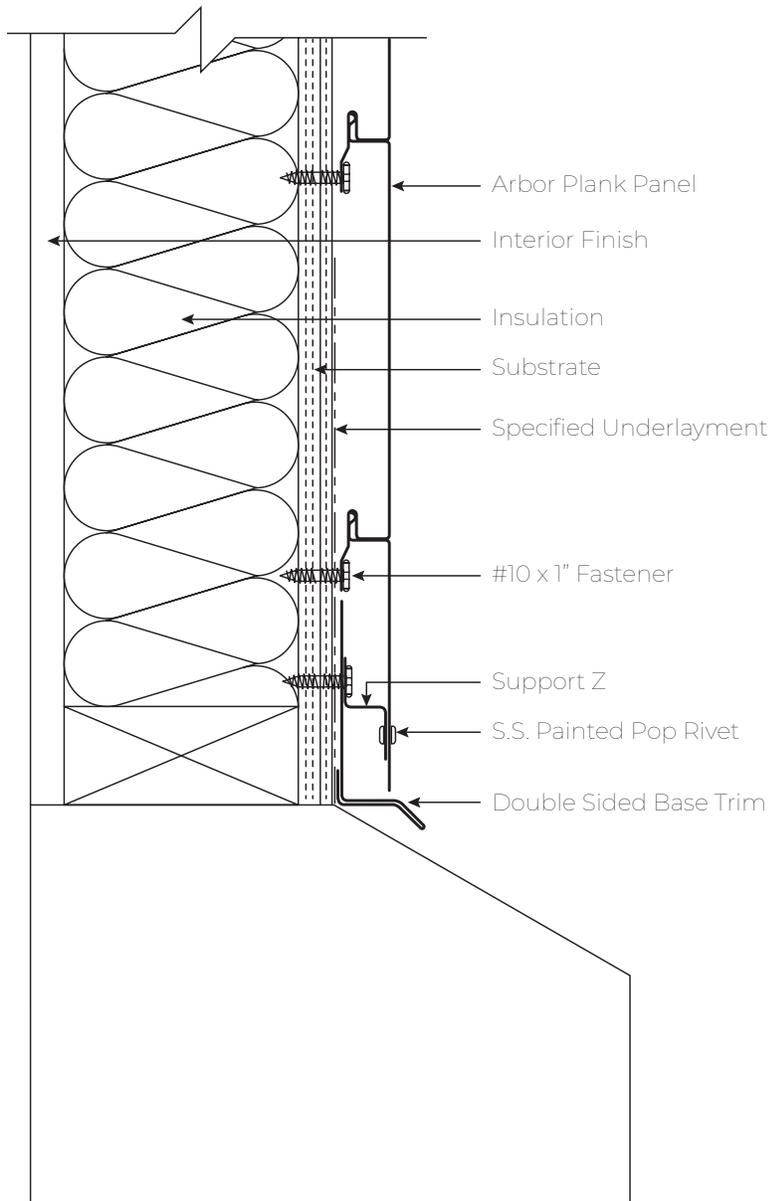
HORIZONTAL PANEL DETAILS

HORIZONTAL PANEL DETAILS



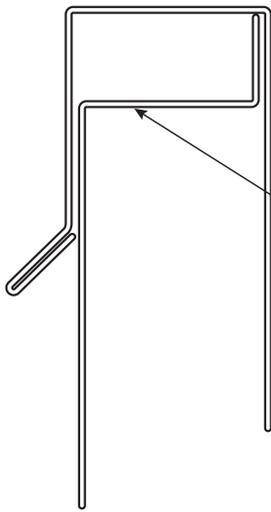
(X) - Not Agway Metals Inc.
 (V) - Dimensions Vary Based on Project Conditions

HORIZONTAL PANEL DETAILS

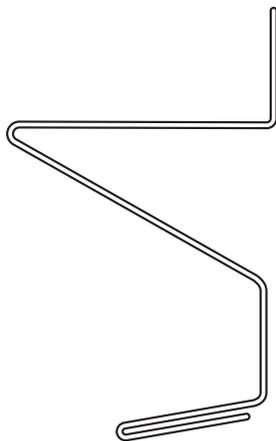
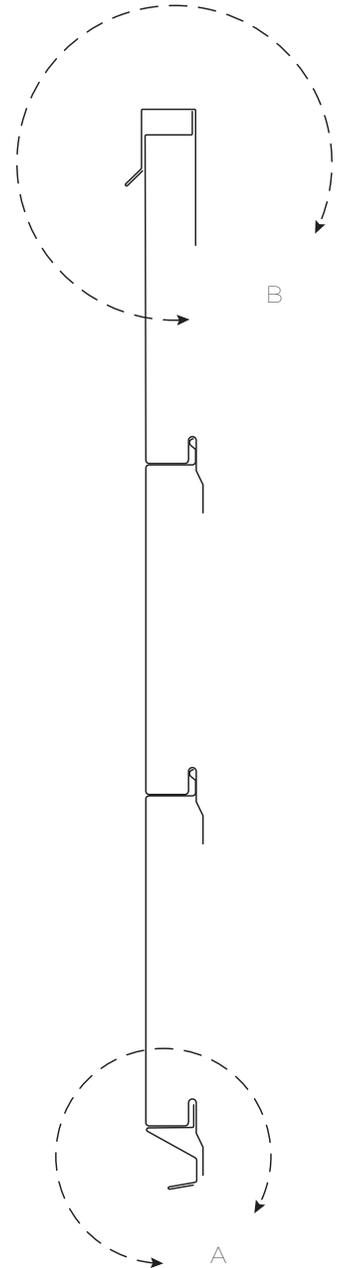


HORIZONTAL PANEL DETAILS

Detail B
Scale 2



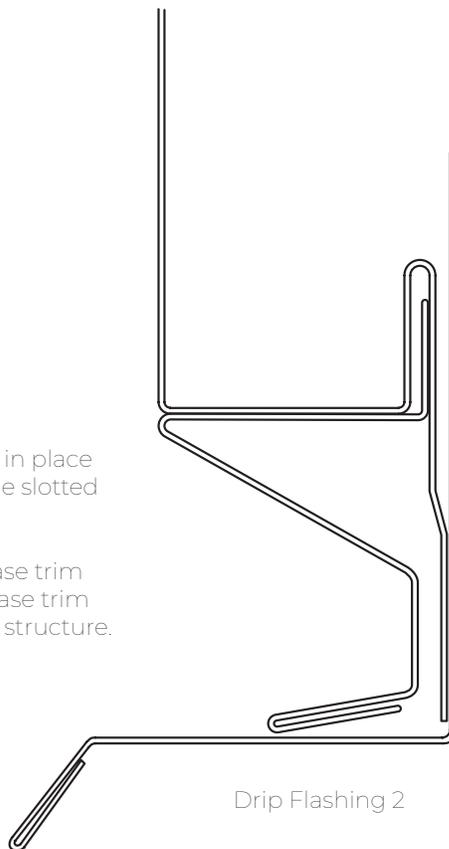
Depending on where top panel is cut a z-trim may need to be used to support the panel face.



Detail A
Scale 3 : 1

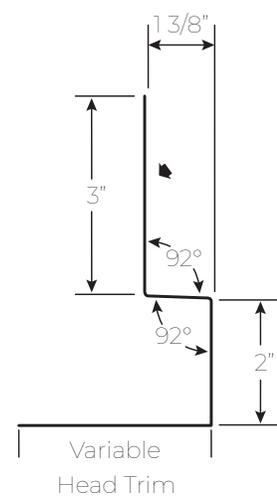
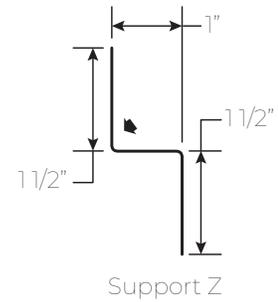
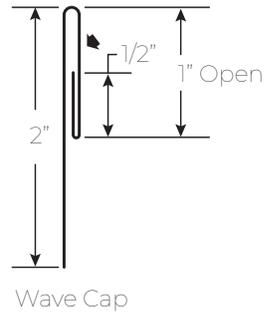
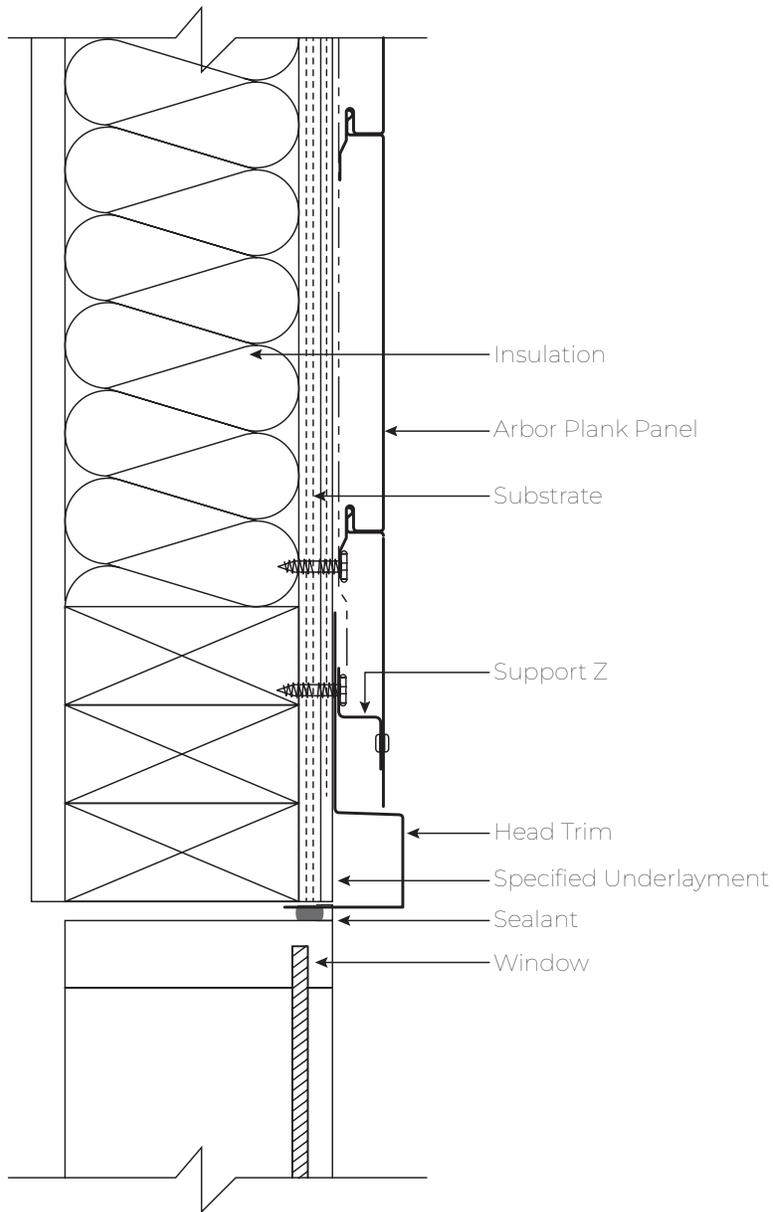
Screw panel in place first using the slotted nail flange.

Insert the base trim and screw base trim into the wall structure.

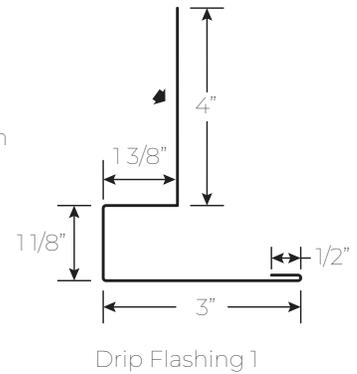
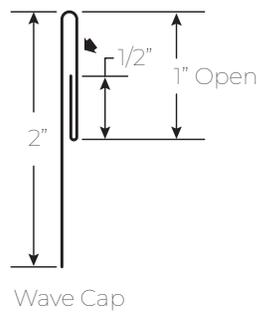
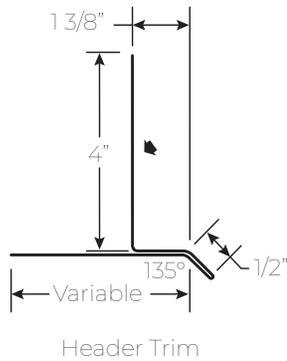
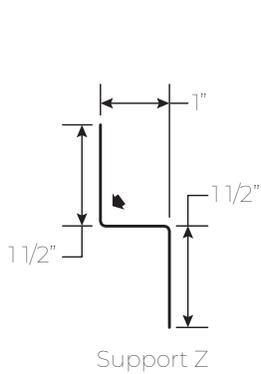
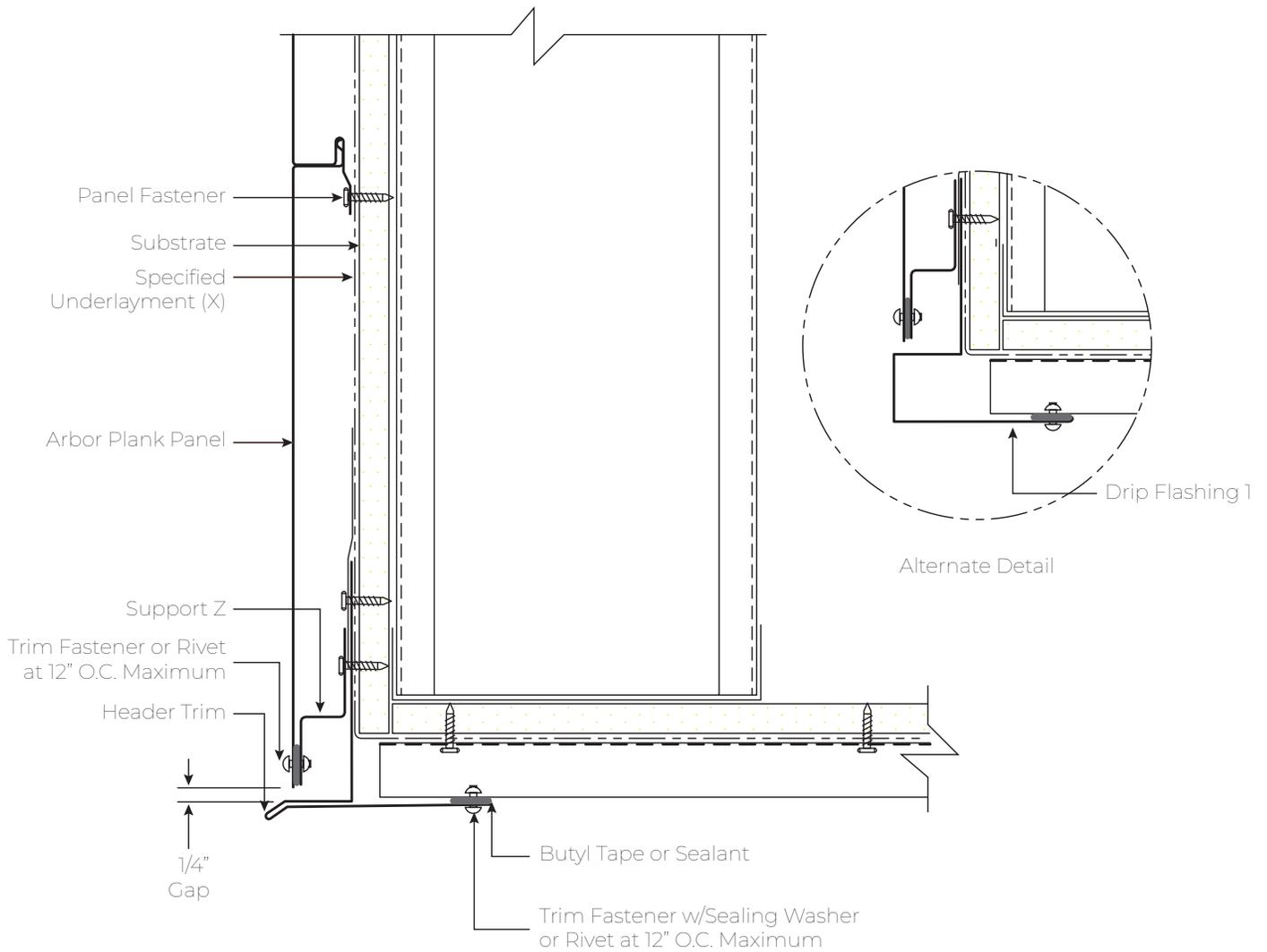


Drip Flashing 2

HORIZONTAL PANEL DETAILS

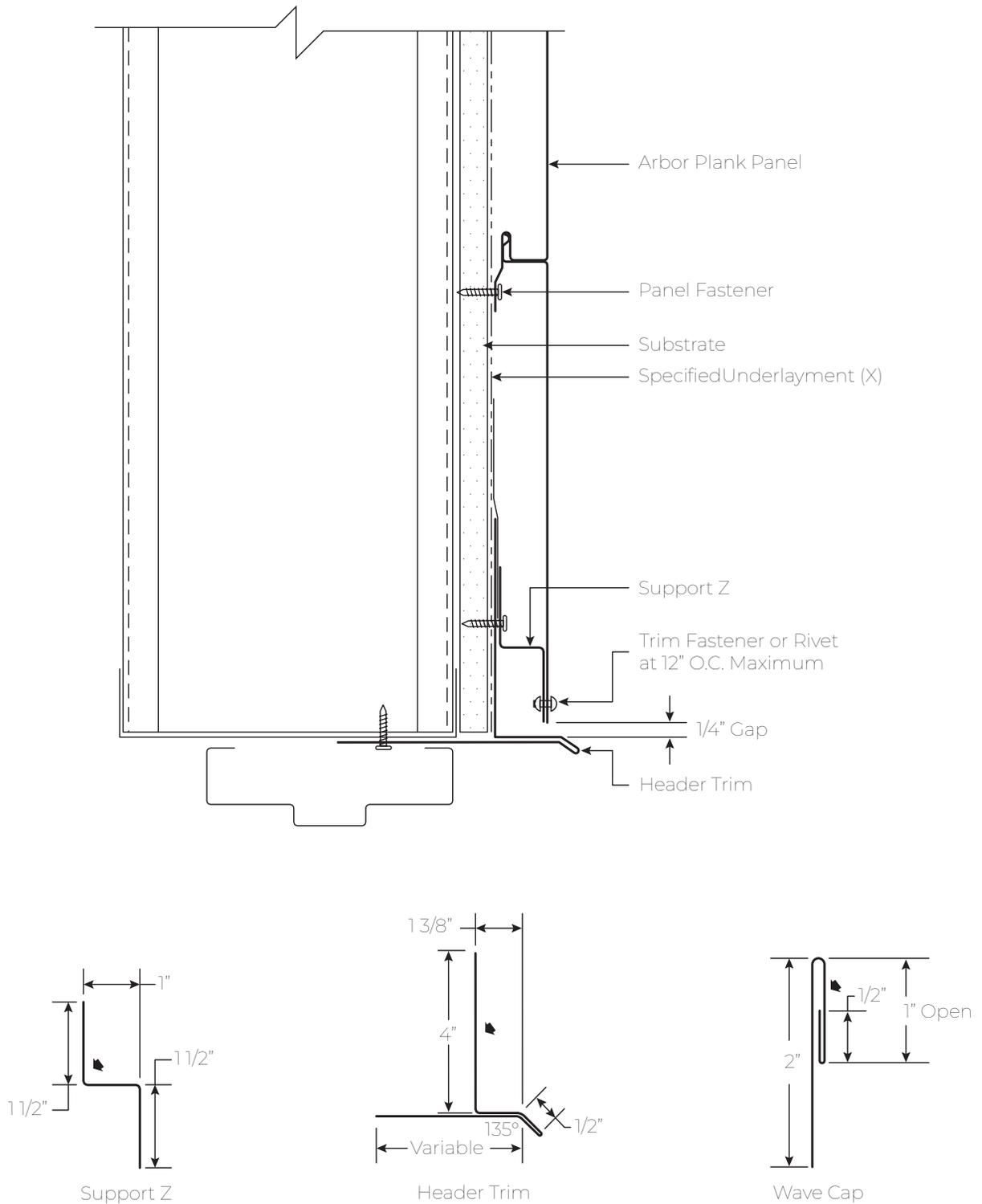


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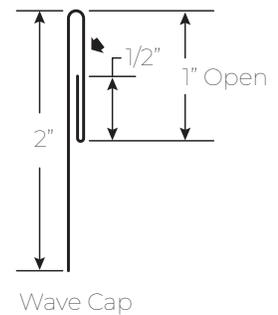
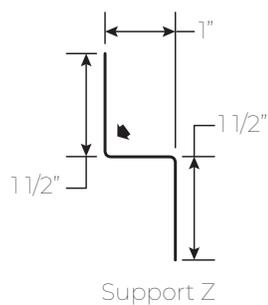
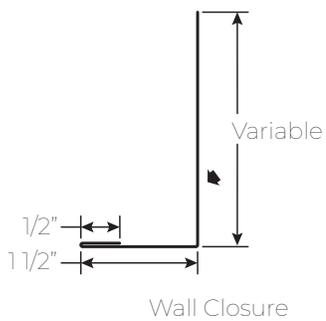
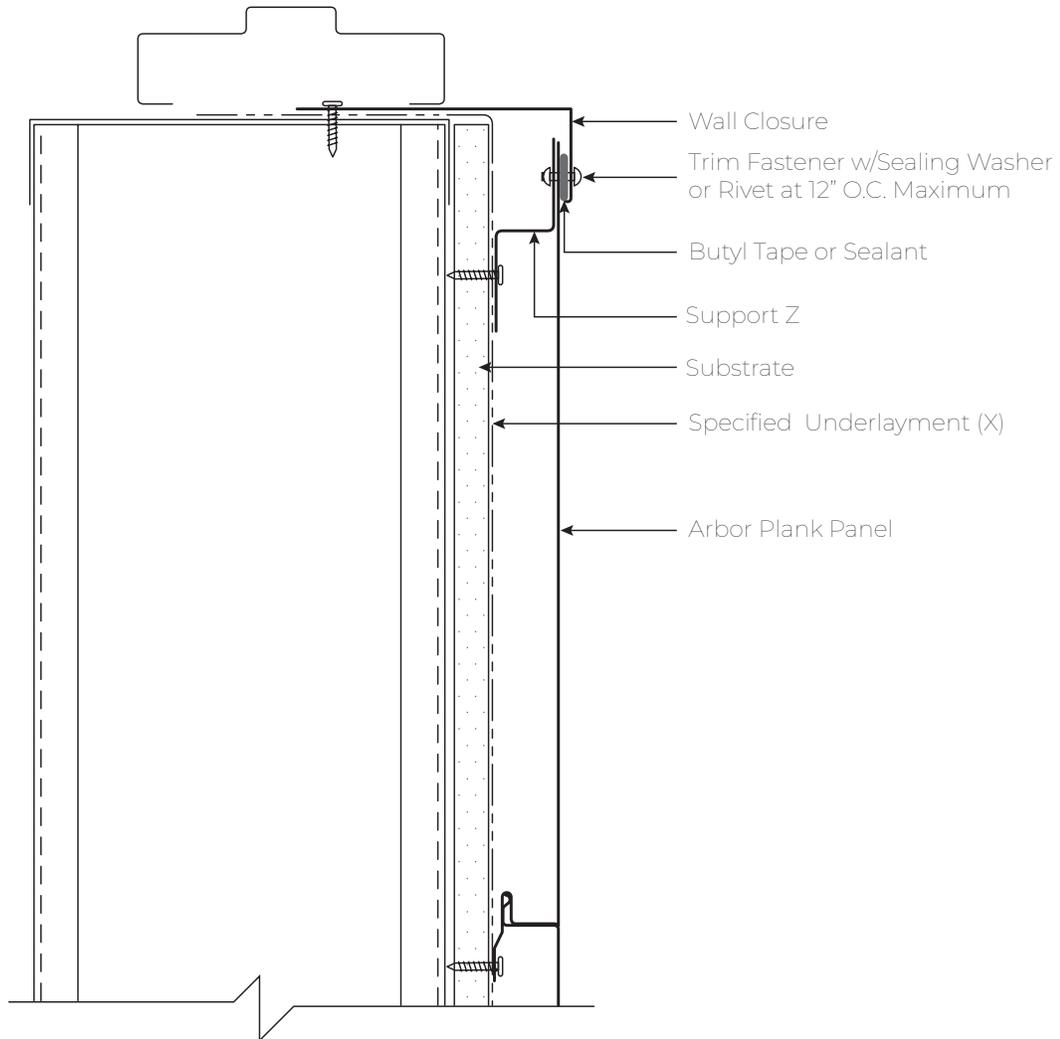
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 (V) - Dimensions Vary Based on Project Conditions

HORIZONTAL PANEL DETAILS



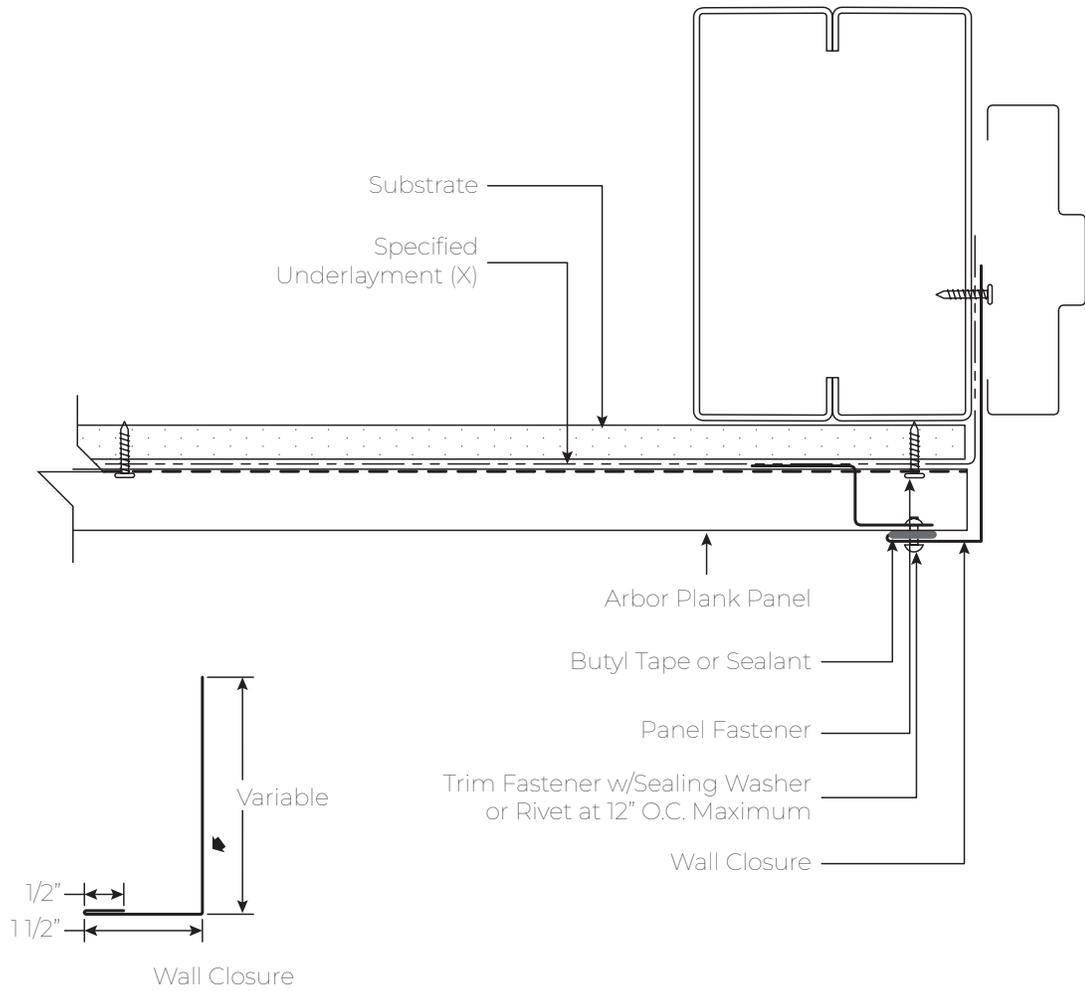
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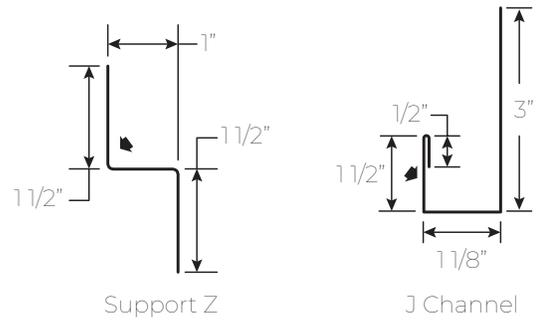
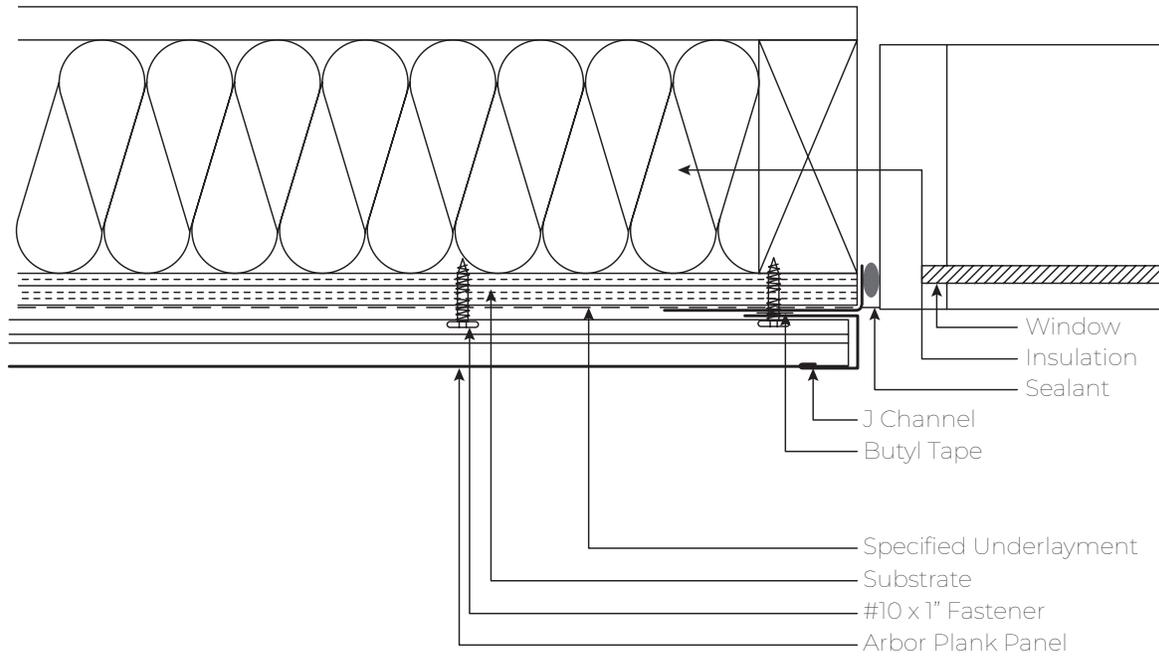
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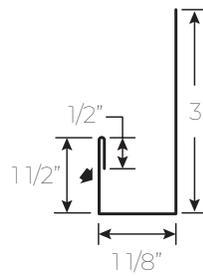
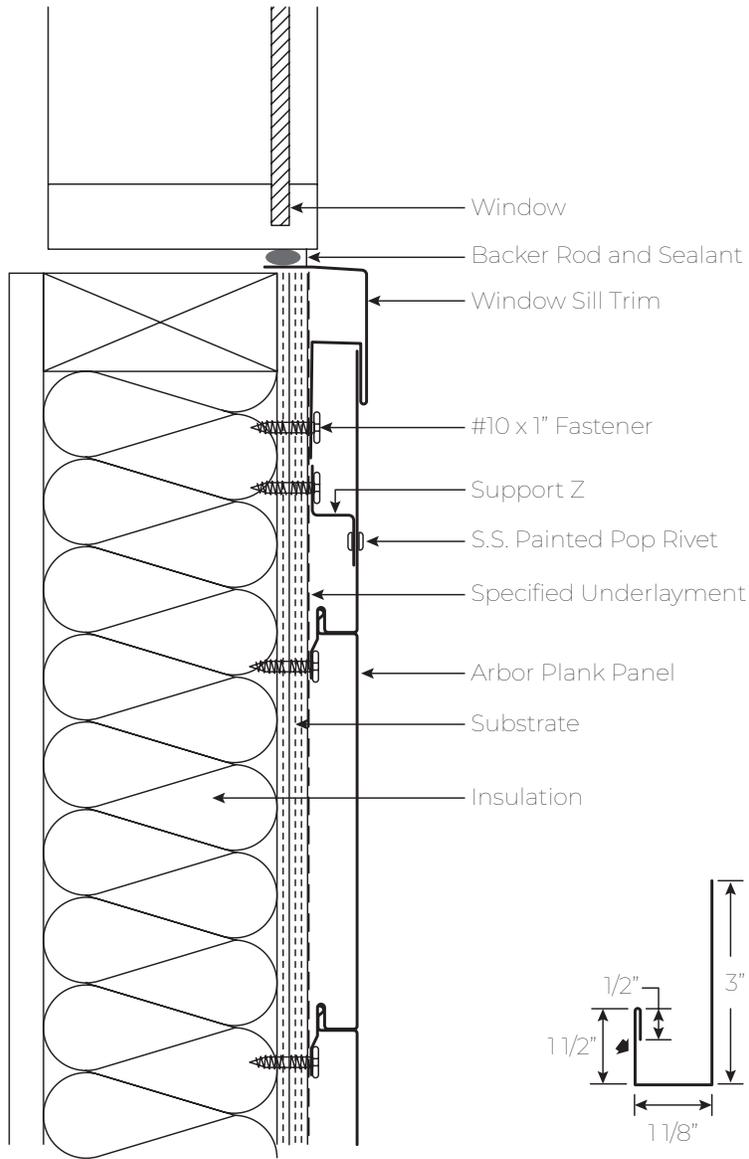


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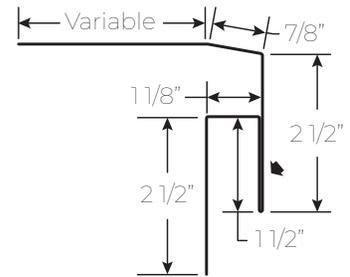
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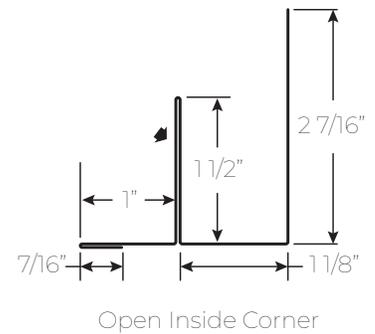
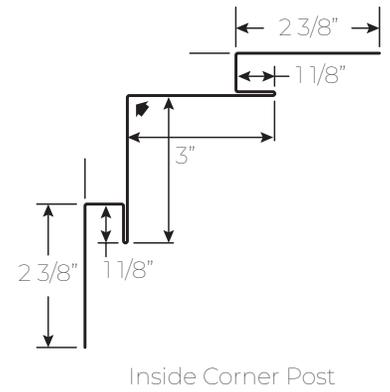
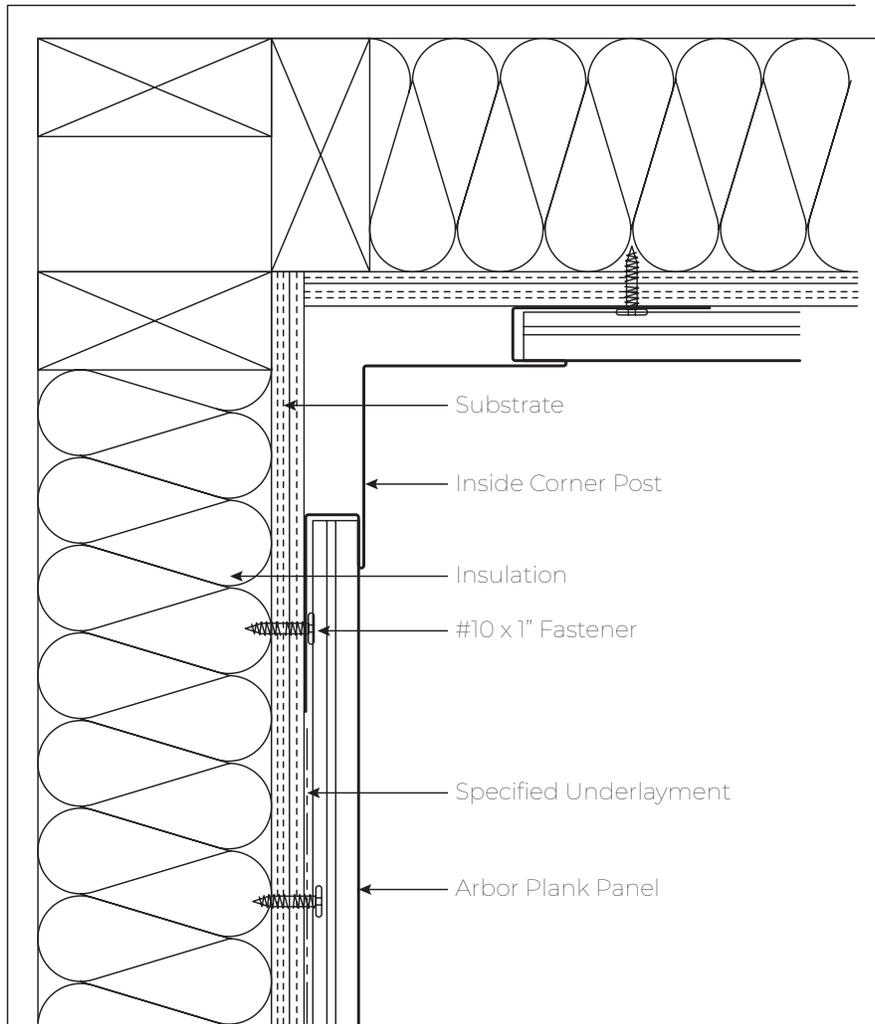


J Channel

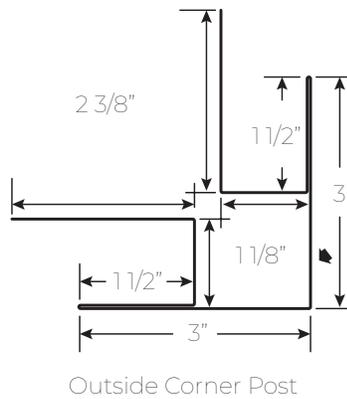
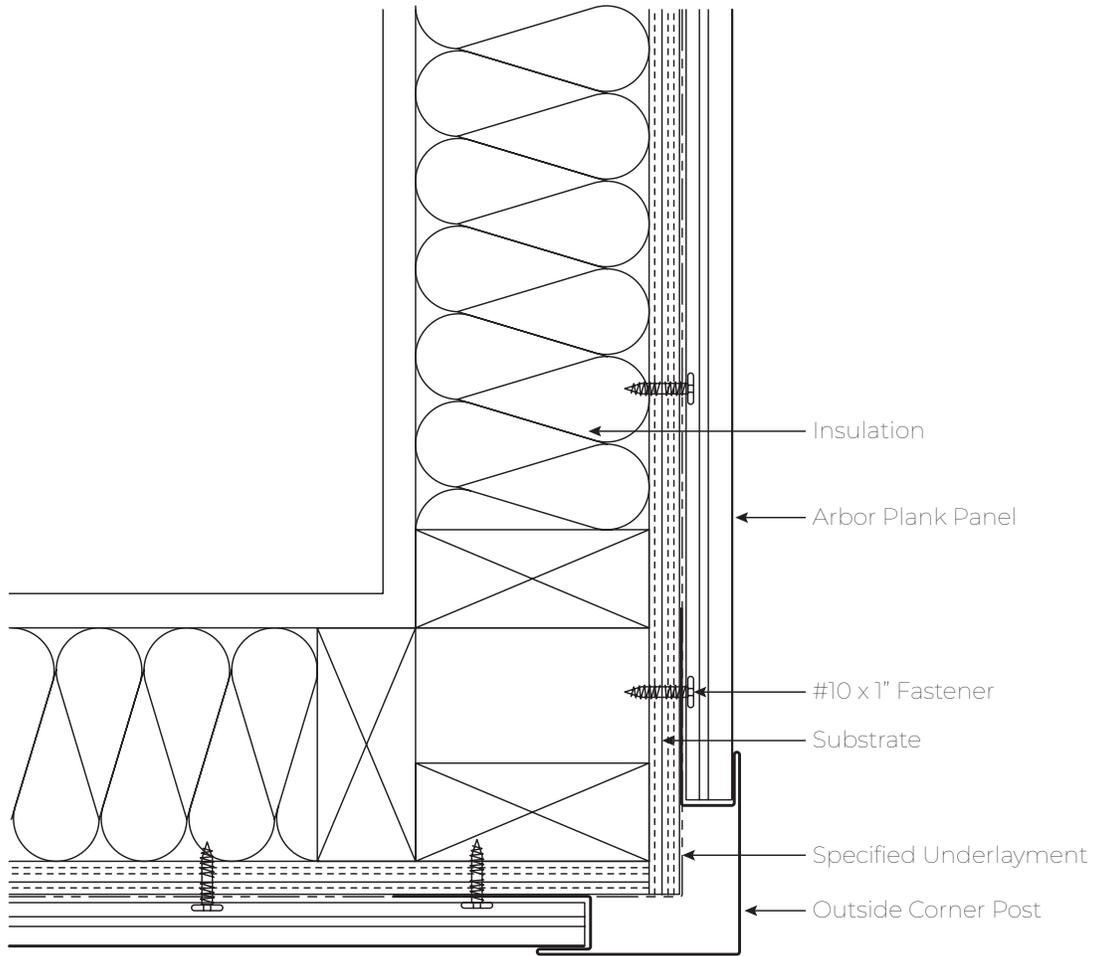


Window Sill Trim

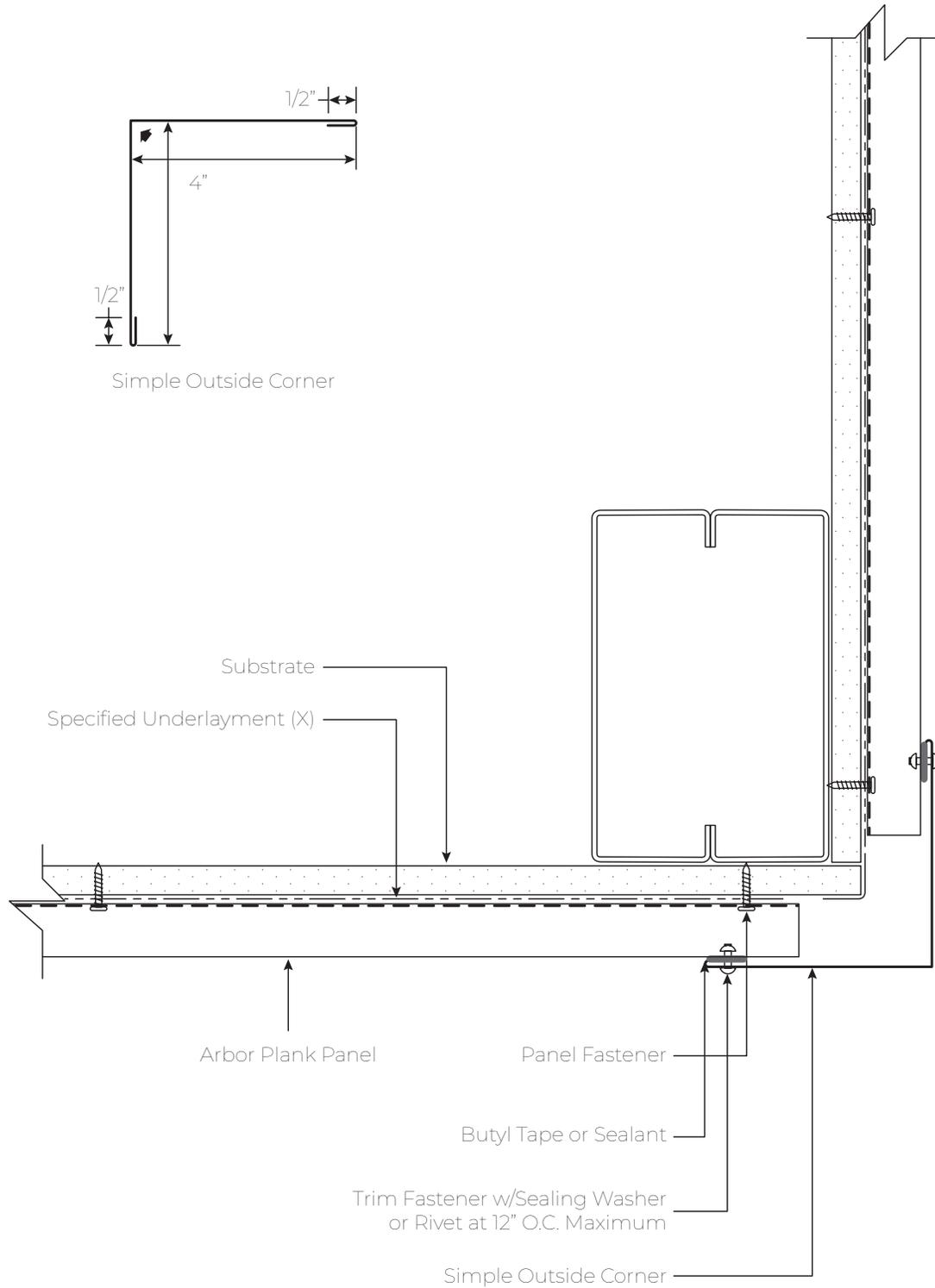
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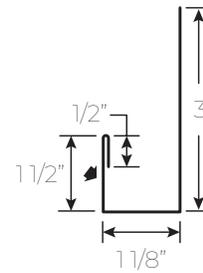
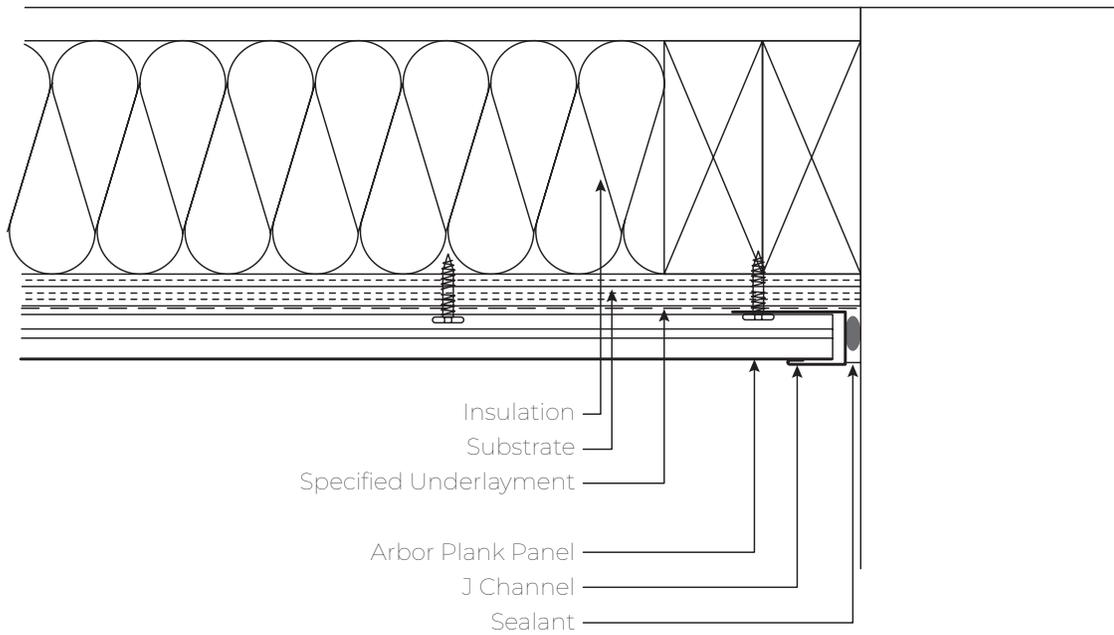


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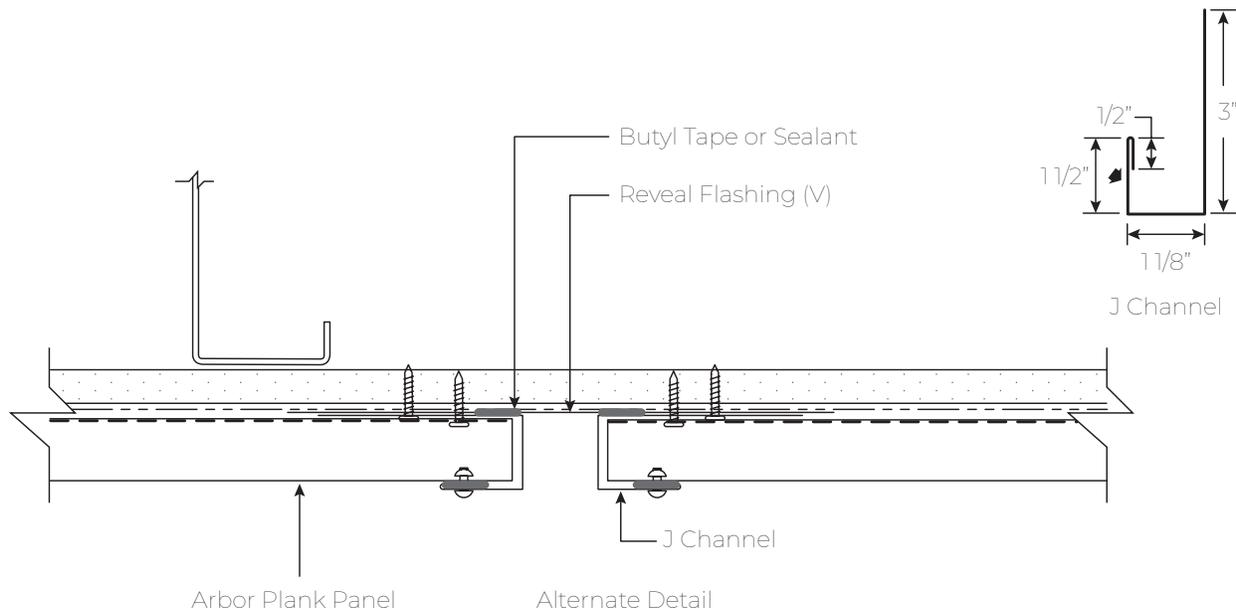
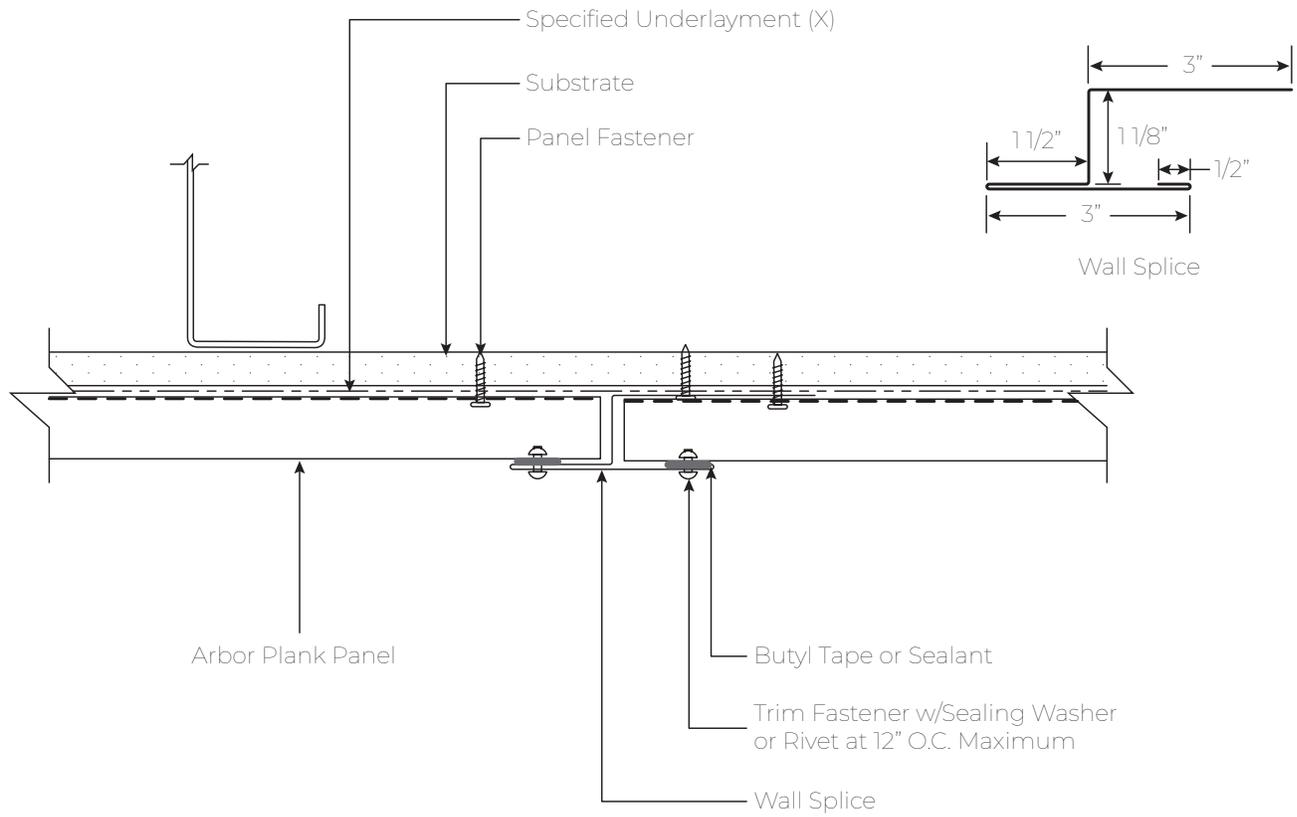


(X) - Not by Agway Metals Inc.

HORIZONTAL PANEL DETAILS



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(V) - Dimensions Vary Based on Project Conditions



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