

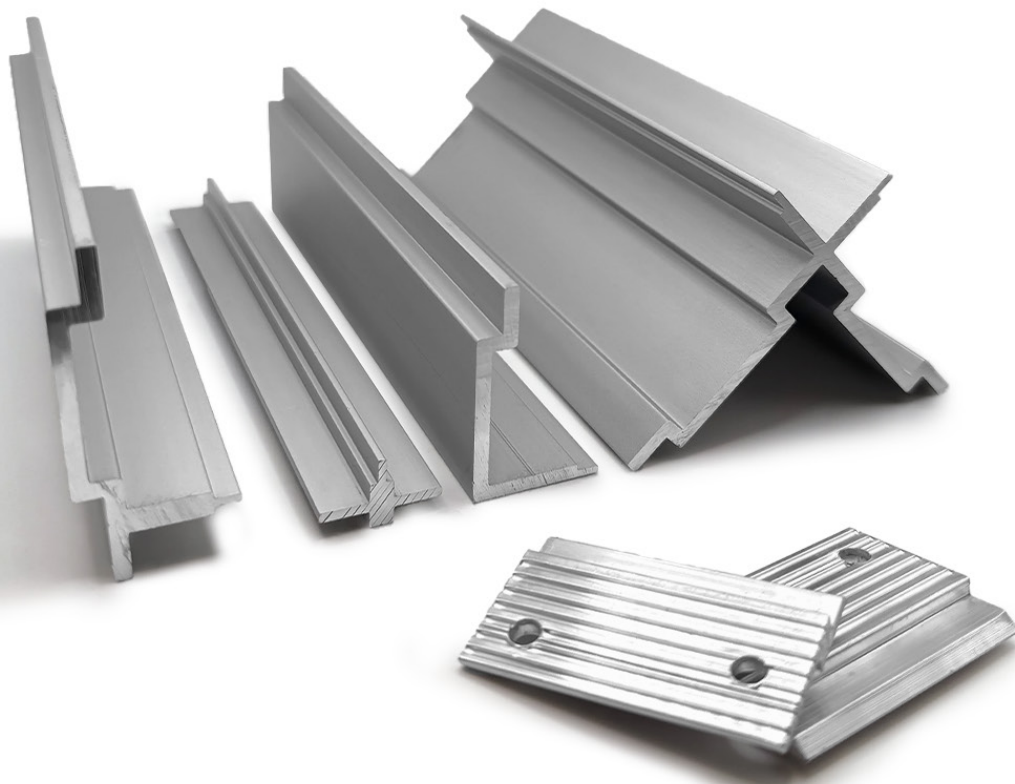


EASY PANEL SYSTEM

SYSTEM MANUAL



MONARCH
METAL INC.



EASY PANEL SYSTEM

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SYSTEM OVERVIEW

ABOUT THE EASY PANEL SYSTEM



The Monarch Metal Easy Panel System is a convenient and cost-effective solution for wall panels. This system offers panel fabricators the flexibility to manufacture their own wall panels, and choose from a variety of off-the-shelf popular aluminum trim options.

It is designed around the MF375 Z Clip and it is easy to install and remove. The EPS consists of edge trims, vertical and horizontal reveals, and corner trims. Monarch Metal offers up to 10 panel system profiles, giving you nearly 100 different aesthetics to choose from.



WATCH OUR INSTALLATION VIDEO

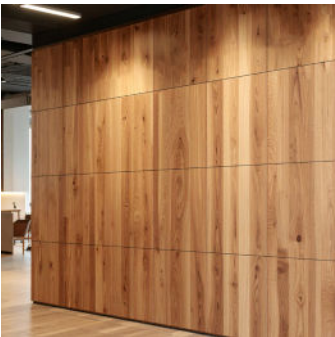
Scan QR code for full video instructions or visit www.monarchmetal.com/videos

EPS BENEFITS

- The Easy Panel System's design makes panels easy to install and remove.
- The system is designed to work with concealed fasteners and hardware.
- All EPS pieces are stocked in a clear anodized finish. Giving your walls a clean and seamless finish.
- Also available in black and gold anodized, or custom powder coat.
- Durable and long-lasting. Monarch Metal's Easy Panel System will look great for years to come.

APPLICATIONS

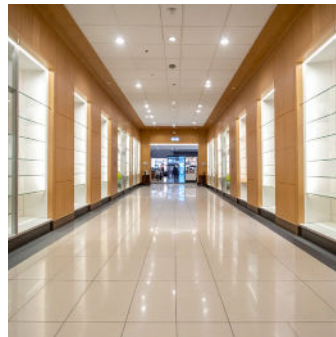
The Monarch Easy Panel System is the most versatile system that offers a premium aesthetic and an endless amount of combinations. This system is ideal for a variety of applications, including:



WALL CLADDING



FURNITURE



RETAIL DISPLAYS



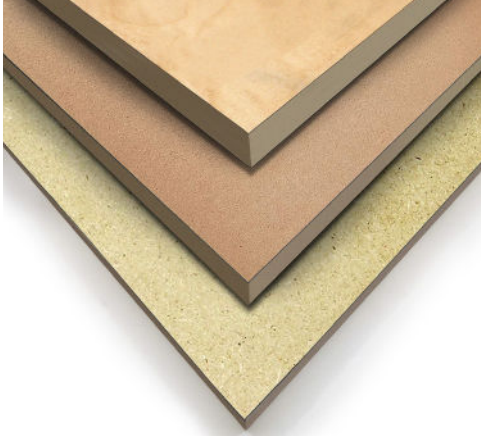
HOTEL LOBBIES



SYSTEM OVERVIEW

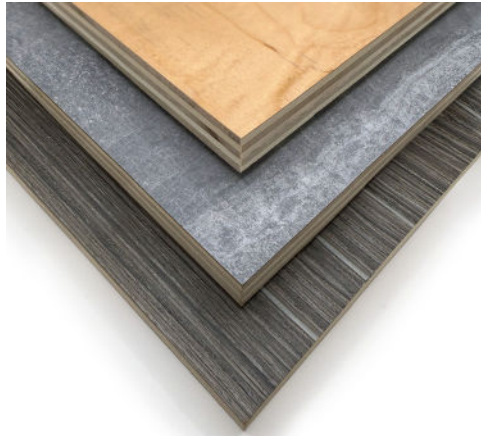
COMMON PANEL MATERIALS

The Monarch Metal Easy Panel System works perfectly with 3/8"-3/4" (10 mm-19 mm) panels, and can be utilized with most panel materials that can hold a fastener, including:



MDF

Medium-Density Fiber is generally easier to cut and cheaper than plywood or HPL.



PLYWOOD

Plywood panels are strong, versatile, and are relatively impact resistant.



HPL

High Pressure Laminate panels are strong and durable materials and highly resistant.

PANEL SYSTEM PROFILE AVAILABILITY

This table shows the different profiles that Monarch Metal offers, as well as the different panel sizes that are compatible. For a more detailed look at all of the Easy Panel System profiles we offer, see the EPS Profiles Index section starting on page 12.

Profile Options	3/4" Panel	3/8" Panel
1/2" Captured (C50)	✓	
Captured (C)	✓	✓
Concave (B)	✓	
Linear (L)	✓	
Narrow (N)	✓	✓
Narrow Channel (NC)	✓	✓
Proud (P)	✓	
Recessed (R)	✓	✓
Stainless Captured (C-SA)	✓	✓
Wide Channel (WC)	✓	✓
Mitered (M)*	✓	
Modified Reveal	✓	✓
Radiused (RD)	✓	✓*
1/4" Special (SP25)*	✓	
Square (SQ)*	✓	
Square Mitered (SM)*	✓	

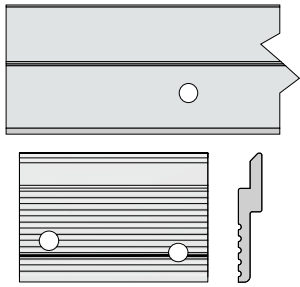
* Available in Corner Only



COMPONENTS OVERVIEW

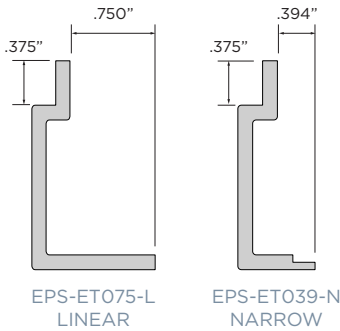
MF375, EDGE TRIMS, REVEALS, AND CORNERS

Monarch Metal's EPS (Easy Panel System) edge trims, reveals, and corners are designed to provide a clean and seamless finish for panel installations. The system is based around the Monarch Metal MF375 Z-Clip, with clips attached to the back of the panels. This allows for the panels to be progressively installed into the system, with concealed fasteners.



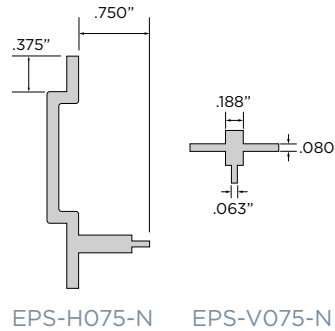
MF375 Z-CLIP

The MF375 has a 3/8" liftoff, and a projection of 1/4". The MF375 is compatible with all EPS components.



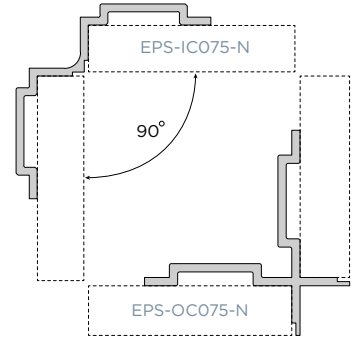
EDGE TRIMS

Edge trims are used to cover the exposed edges of panels and provide a sleek finished look around the perimeter.



REVEALS

Horizontal and vertical reveals are used to support panels and create space between panels. Reveals are available in a variety of styles.

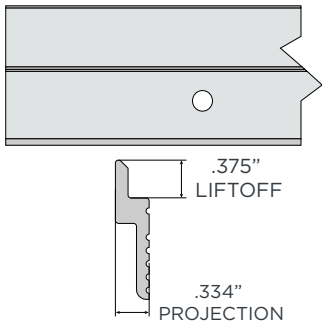


CORNERS

These are used to finish the corners of panel installations, and are available in a variety of profiles.

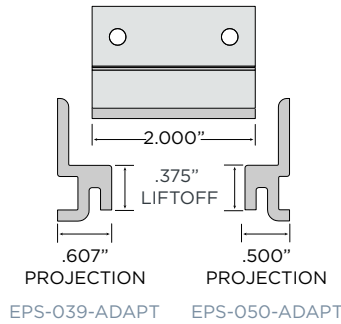
ADDITIONAL ACCESSORIES

Beyond our standard MF375 clips, we offer additional mounting clips for unique installation requirements. Our EPS system offers exceptional versatility, allowing you to easily adapt to various panel materials, dimensions, and thicknesses by utilizing our specialized range of additional mounting and adapter clips.



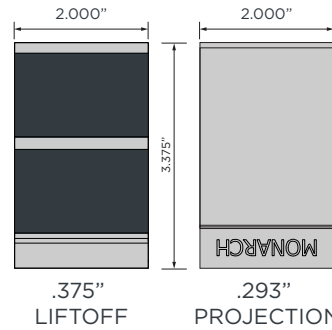
EPS-MIDWALL RAILS

Use the Midwall to add a rail to secure larger panels when installing your EPS system.



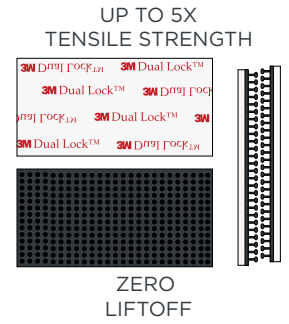
EPS-ADAPT CLIPS

Adapter clips are designed to allow 1/2" or 3/8" (10 mm) panels to work in our 3/4" system.



MFTAPE

Use the MFTAPE-2" for panels that cannot hold a fastener such as glass, ACM or acrylic.



3M™ DUAL LOCK™

These strips provide a zero liftoff alternative installation for your final row of panels.

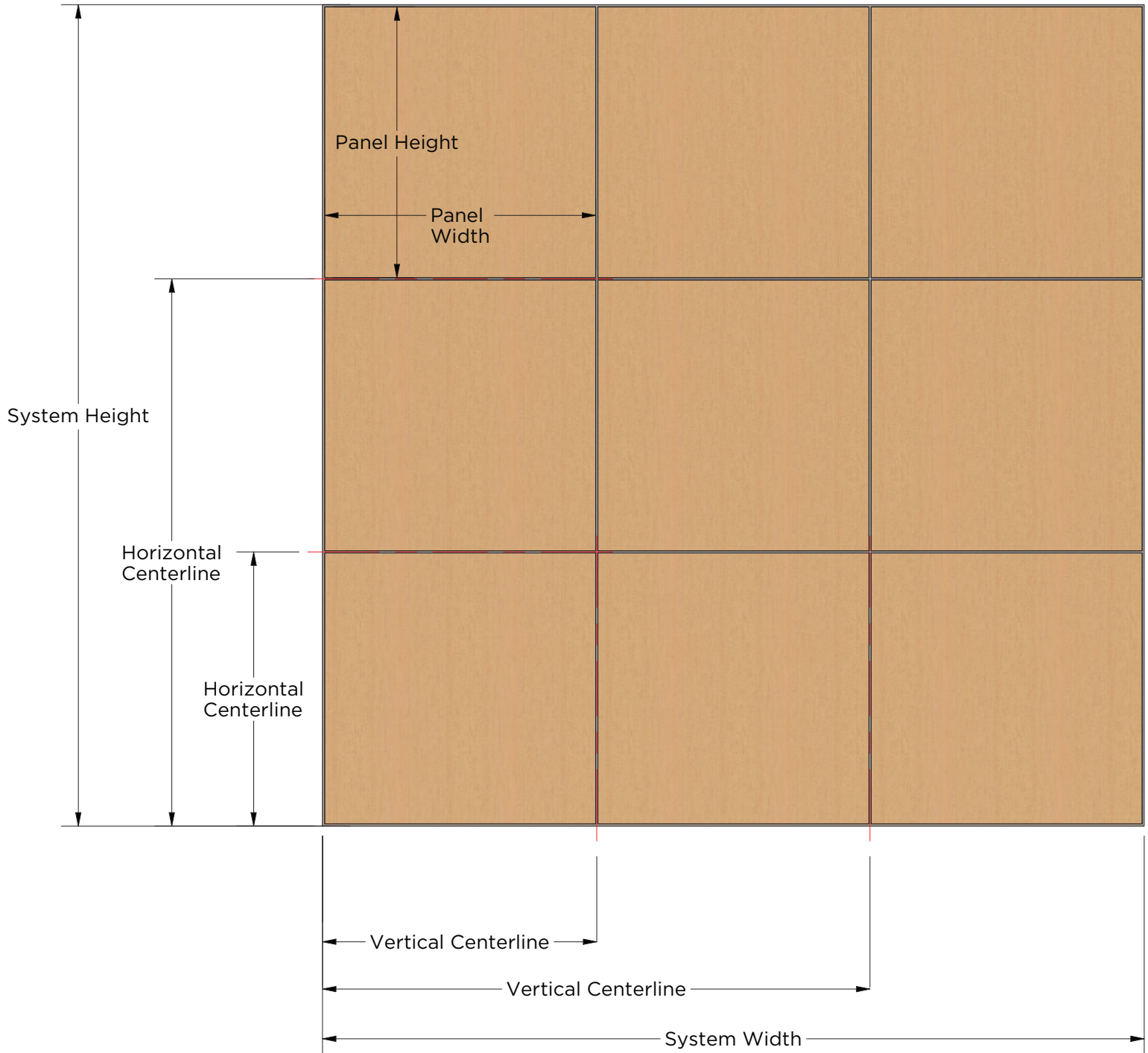
Panel Thickness	Compatible Clip
1/2"	EPS-050-ADAPT Clips
3/8"	Native EPS Profiles (See table in page 3), or EPS-039-ADAPT Clips in 3/4" EPS System Profiles
3/4"	Native EPS Profiles



IMPLEMENTATION

CLEAR ELEVATIONS

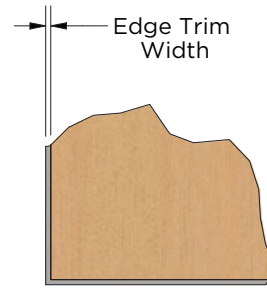
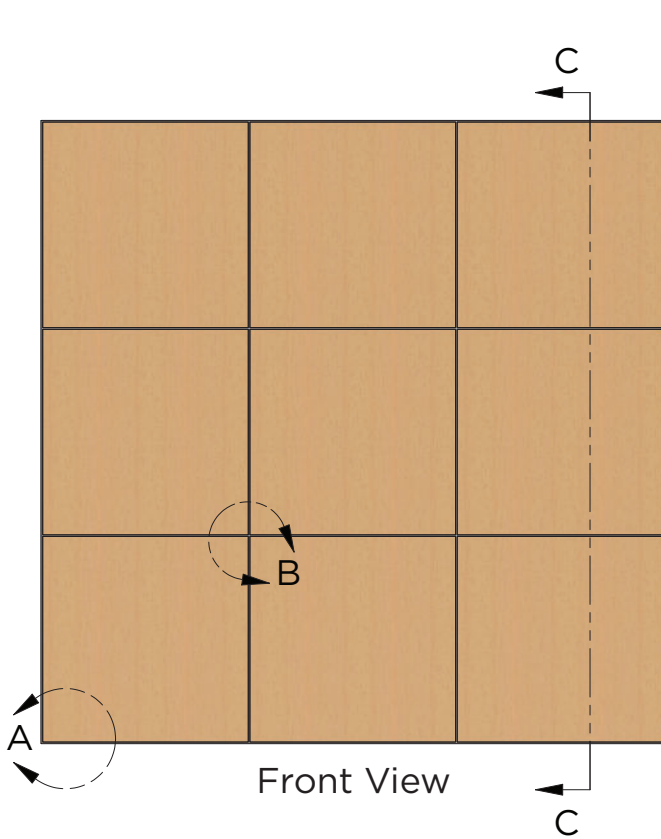
Elevations should show the clearest view of the panel system, removing furniture, and any fixtures that would hide the panels. It is important to show the panel system height and width to closely represent the installation with precise accuracy, as well as the panel size.



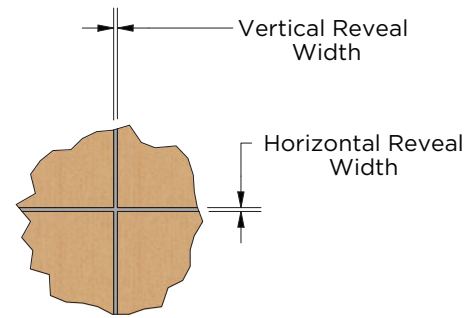
IMPLEMENTATION

DETAIL VIEWS

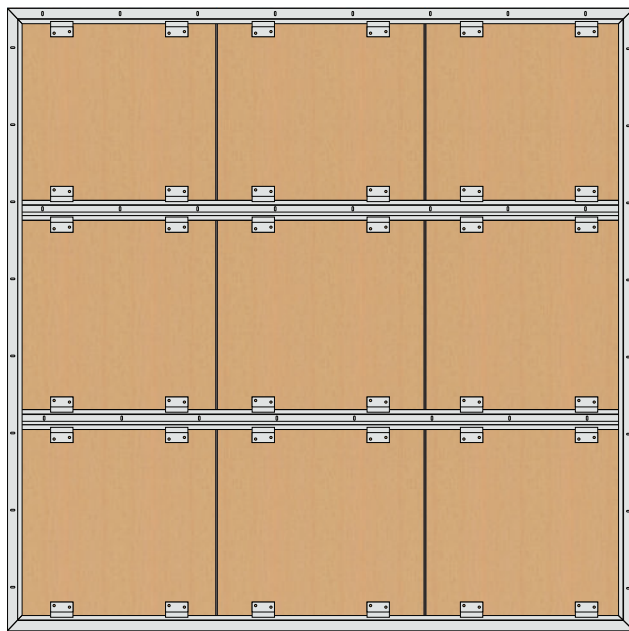
These are extremely helpful in determining the look and reveal types that the designer has chosen. Some customers won't have full details, whereas others will have fully detailed drawing sets showing our profiles.



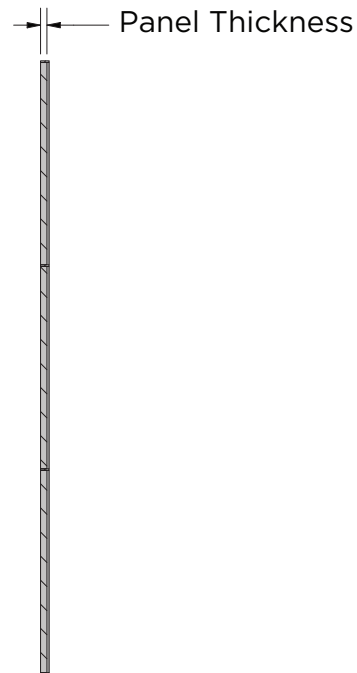
DETAIL A
Edge Trim



DETAIL B
Horizontal and Vertical Reveals



Back View



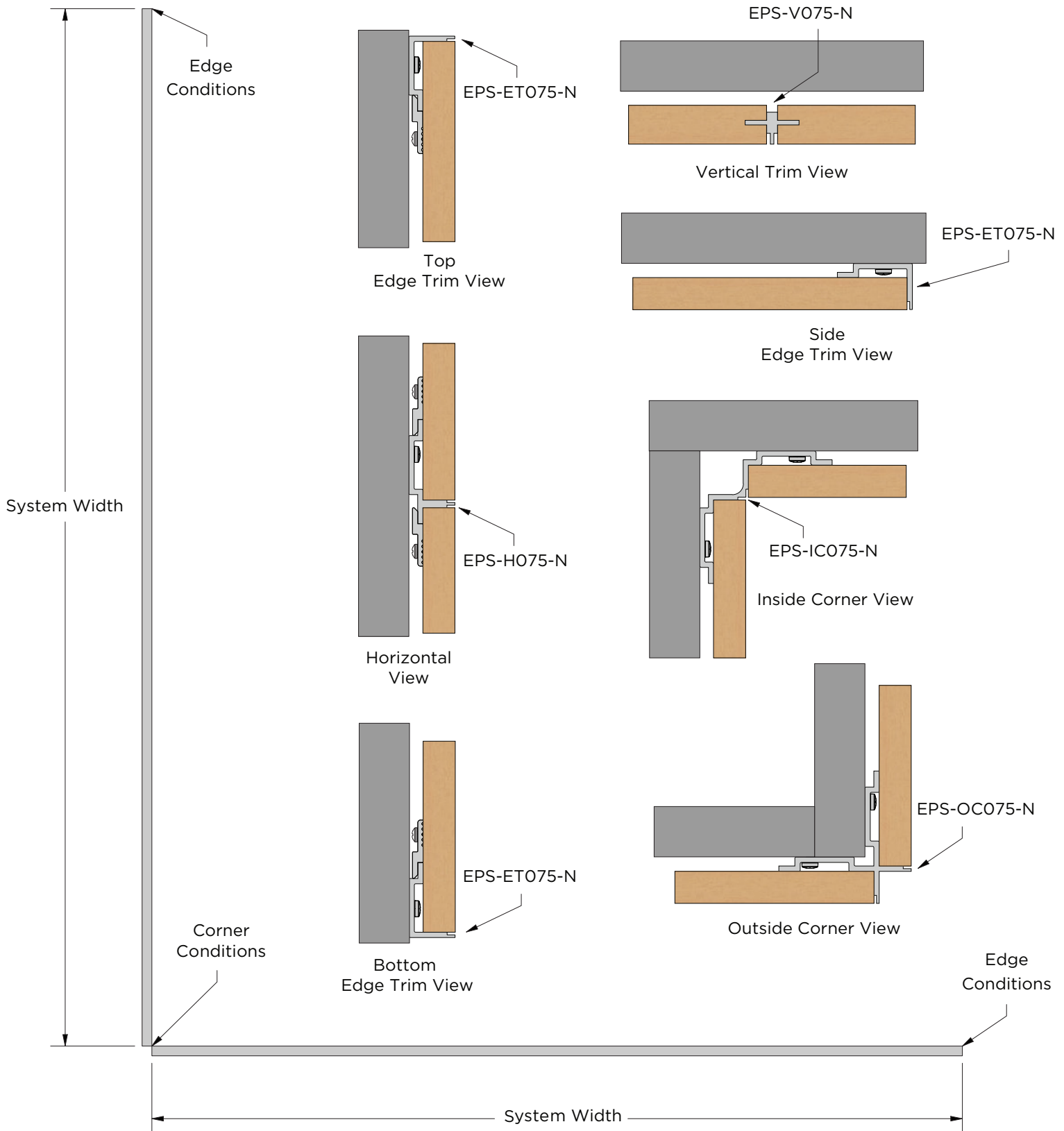
SECTION C-C



IMPLEMENTATION

PLAN VIEWS

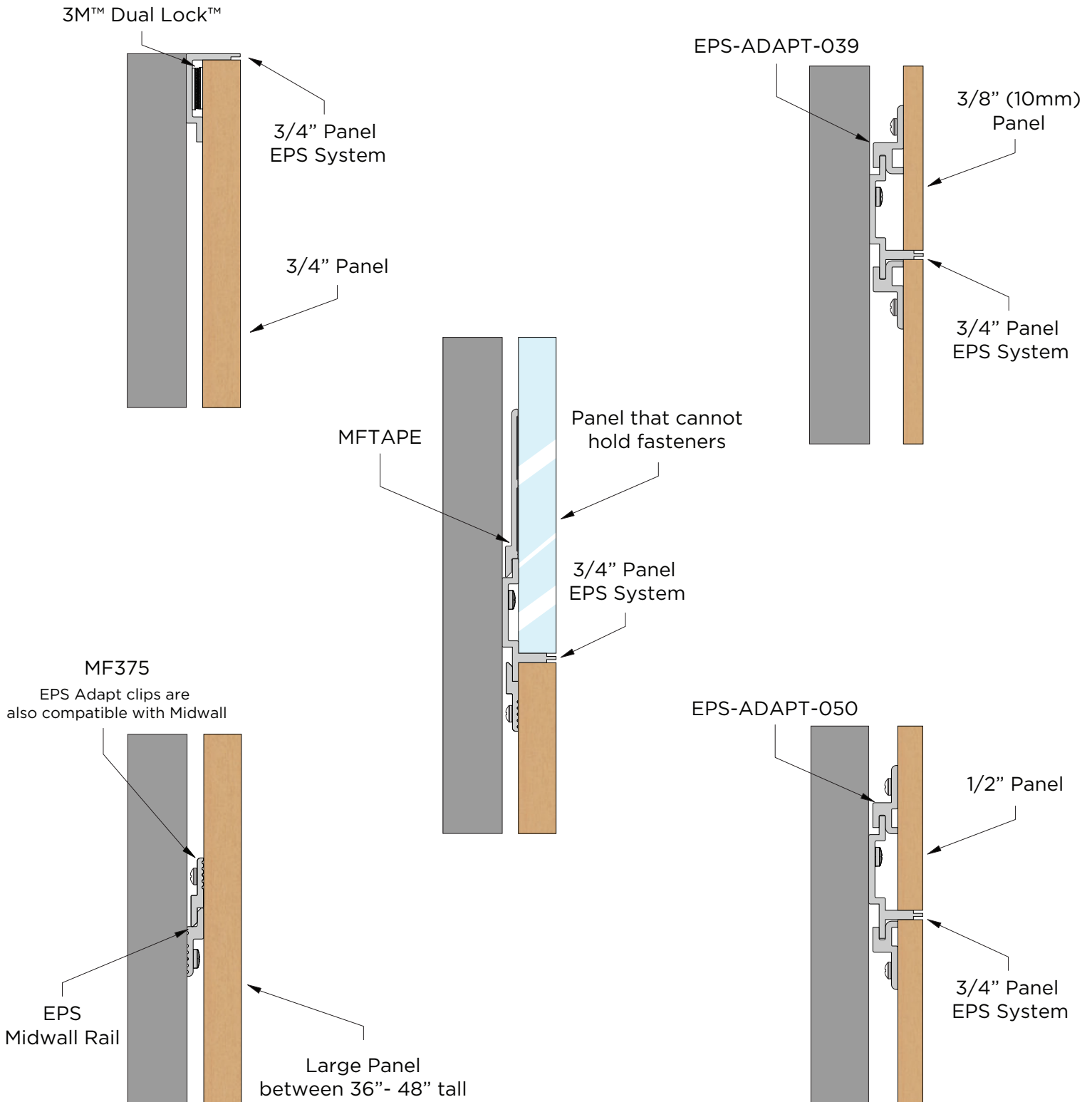
Plan views are very helpful in catching returns and transitions that might get lost on elevations only.



IMPLEMENTATION

ACCESSORIES SECTION VIEWS

This section view highlights the various ways our MF375 and our full range of accessory clips integrate with the Easy Panel System across various applications, ensuring a seamless and secure installation.



IMPLEMENTATION

PANEL KERF FOR VERTICALS

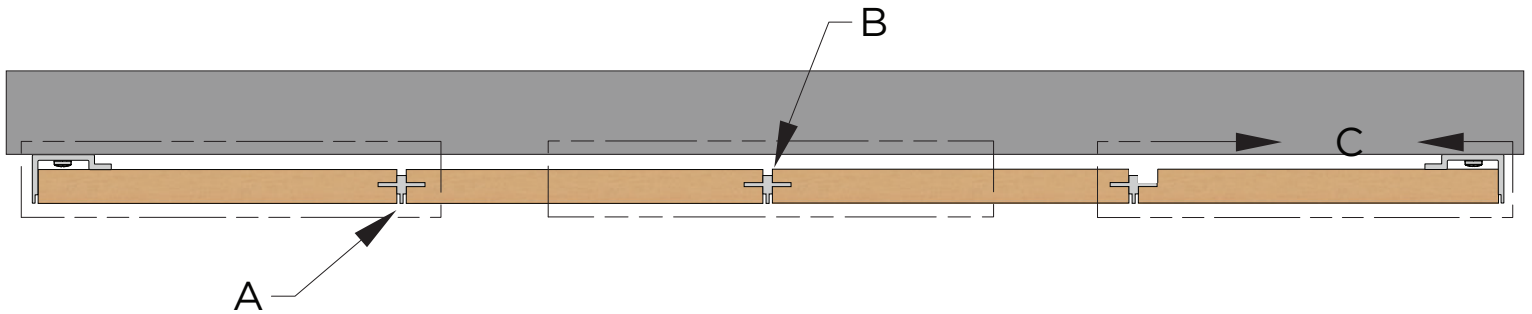
The EPS vertical reveals contain flanges or legs to be located between your panels. To prepare the panels for installation, you will cut the panels to size and cut a .090" x .375" kerf where necessary to accept the spline for the vertical reveal. The legs on all EPS vertical reveals are .080". The same bit would work for all verticals to kerf your panels.

3/4" Panel



3/8" Panel*

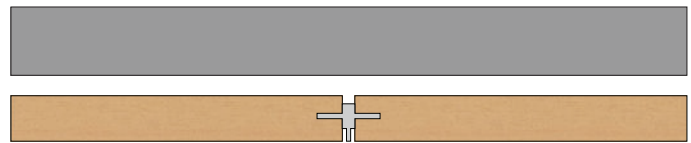
3/8" panels are typically 10mm



DETAIL A



DETAIL B



DETAIL C



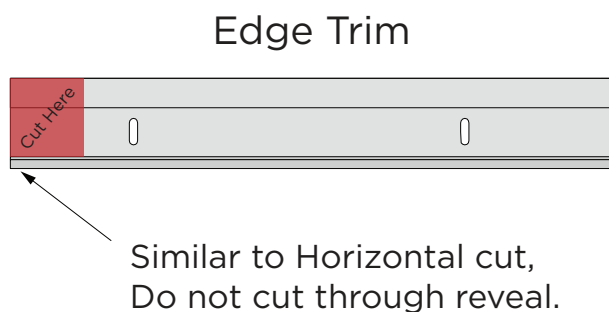
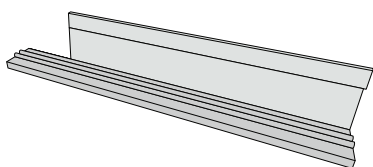
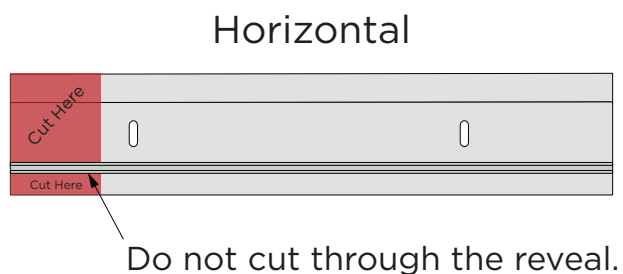
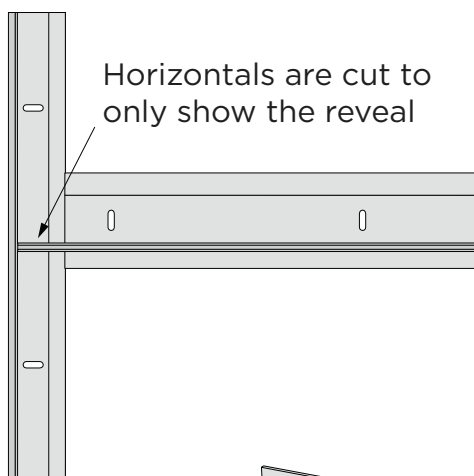
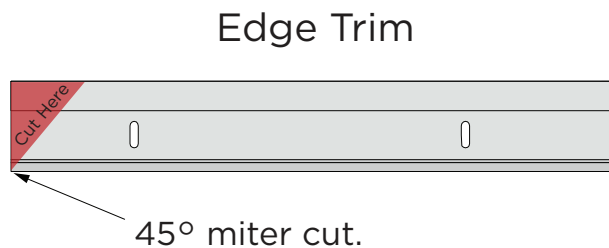
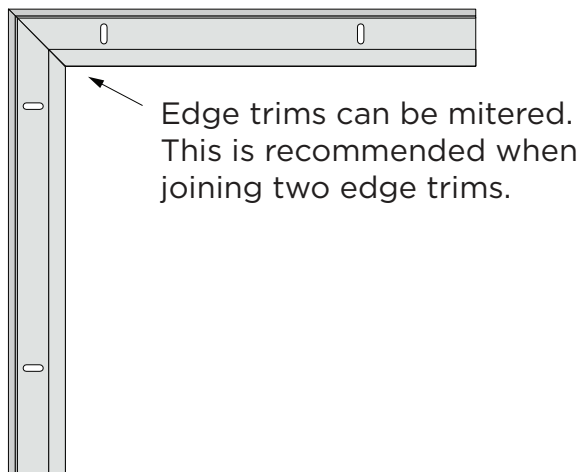
Remove the back half of the kerf on the final panel to avoid interference with the vertical reveal.



IMPLEMENTATION

CUTTING YOUR TRIMS AND REVEALS

Depending on your specific installation requirements, the EPS system is highly adaptable and can be cut, mitered, or notched using several different techniques which include, but are not limited to:



TAKEOFF & SYSTEM PLANNING

LAYOUT

Your panels will need to be supported. The EPS trim with clips will support weight from the bottom and retain the panel against the wall on the sides and top. The panel height will determine if additional support will be needed to support the panel. 24" on center spacing is a common place to start. If a panel exceeds this, introduce EPS-Midwall between horizontal and edge trims to help maintain flatness, support weight, and ease installation. Vertical trim does not retain the panel against the wall. The EPS-Midwall should be used for support in between vertical profiles, where panels are in succession. Using the plan view determines if inside and outside corners are needed, if any.

PROFILE TYPE AND PROFILE COMPATIBILITY

Choosing profile type dictates installation requirements, difficulty, and restrictions. Some profiles can be interchangeable with edge trims being different from horizontal and vertical trims. Think of the edge trim as the frame for the horizontal and vertical trim. The hardest condition to meet with a lot of trims is a vertical outside corner meeting up with multiple outside trims if it's a complex profile.

TAKEOFF BY LINEAR FT & HEIGHT

If drawings like elevations and plan views are not available, you can estimate trims needed using measurements of their layout if the design is consistent. I.e. a full wall or a wainscoting application. Use general trim calculations for the takeoff.

GENERAL TRIM AND CLIP CALCULATIONS

Trim	Calculation
Edge Trim	$(\text{Overall Width} \times 2) + (\text{Height} \times ((\text{Wall Sections} \times 2) - (\# \text{ Inside and Outside Corners})))$
Horizontal Trim	$(\text{Overall Width}) \times (\# \text{ of Rows of Panels} - 1)$
Vertical Trim	$(\text{Overall Width} / \text{Panel Width} - 1) \times (\# \text{ of Same Size Sections}) + (\text{Unique Sections})$
Corners	Number of Inside Corners and Number of Outside Corners. Plan on a full length for anything over 72"
Midwall	$(\text{Overall Width}) \times (\# \text{ Midwall Rows Needed to Achieve Proper Panel Support on a Vertical Mockup})$
Clips	Clips can be calculated with the Z Clip rail calculator or manually. If using the calculator enter panel sizes and spacing desired. Enter rows and columns as sections or individually.

FULL LENGTH VS SPLICING

PLANNING FALL OFF AND EXTRA

Ideally, you want full lengths as much as possible in framing panels in both height and width. Splicing is recommended for lengths over the 144" rail length. If the height of an installation is between 72"- 144" plan on a full length for every corner, and other pieces of trim to achieve a good yield and will produce the best result. This may influence design to maximize yield. Adjust takeoff accordingly. If no midwall is required we recommend adding some as it may be needed on site and helping installers.

ANTICIPATING FINAL NEEDS - TOP PANEL AND MOUNTING OPTIONS

For the most part this is up to the installer, but we can help in determining if dual lock is needed for the top row if there is no clearance to lift the edge trim to receive the z-clips. We can also advise on fall off and some panel requirements.

CORNER CONDITIONS

The more ornate or round the outside corner is the more complex the installation will be having multiple directions meet in one spot. Radius will be hard to manage. Solutions are available with review.



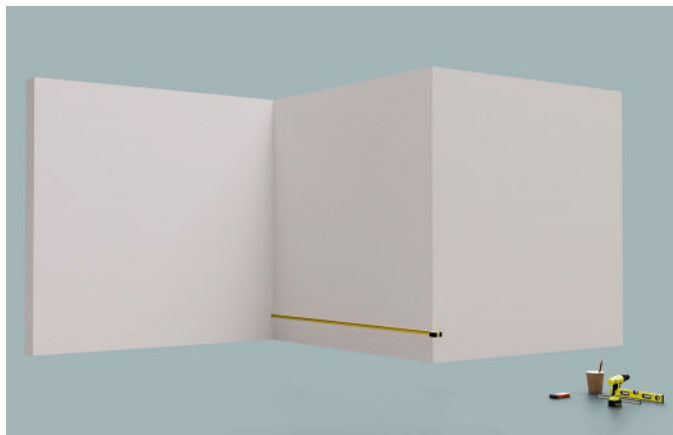
INSTALLATION GUIDE

⚠️ DISCLAIMER ⚠️

These instructions are based on feedback from customers and our own test installations. Monarch does not give explicit structural recommendations, offers no warranty and suggests you consult with a structural engineer for your specific installation conditions.

IMPORTANT NOTE

Panels expand and contract based upon changes between the humidity of the panel material and the surrounding environment. The installation needs to be made after the building HVAC systems are operational and balanced. Wide changes in the room humidity after the installation can result in panel movement that distorts the appearance or damages the installed system.



1 | PREPARE YOUR MOUNTING SURFACE

The first step in the installation process is ensuring that the mounting surfaces are clean and free of debris. The installer should also find any high or low spots on the wall, correcting them as necessary, and marking those that can't.

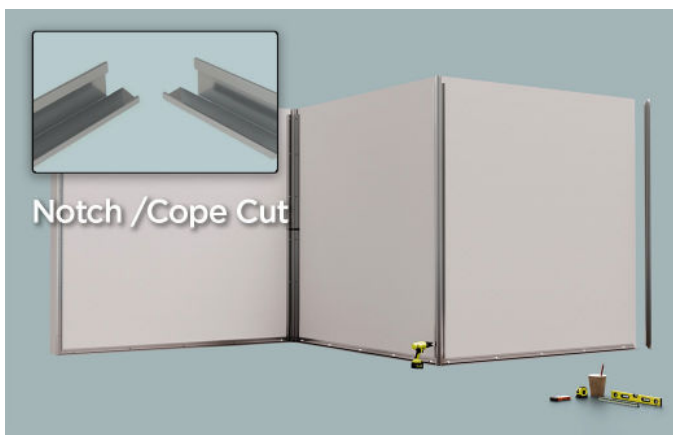
The EPS system can be shimmed as needed to maintain a flat, and plumb system.

2 | START AT THE BASE

The system begins at the base of the wall, generally with the installation of the bottom edge trims.

These edge trims make up most of the perimeter of the system, and can be used to finish all sides or openings. The first section of edge trim should be installed into studs, and ensure that it's level. This first edge trim will support the first row of panels.

Note: If your system includes inside or outside corners, these should be installed before the bottom edge trims.



3 | CORNERS

In many situations, the corners should be installed first. This establishes a clear starting point, and care should be taken to ensure that the corners are installed plumb, and square to the wall substrates.

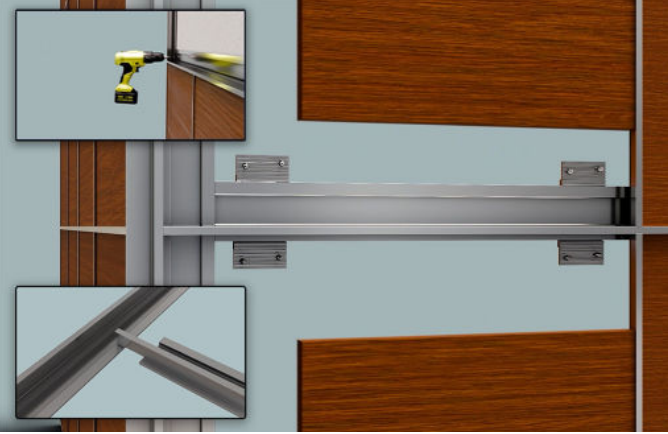
Note: It is recommended to notch or cope your edge trims when joining an edge trim and a corner. See cutting section on page 8 for more info.



INSTALLATION GUIDE

4 | FIRST ROW

The panels are installed row by row, with pre-attached z-clips on the back of the panels. There is a minimum of (2) rows of z-clips per panel, with the lower row supporting the weight of the panels. The top row is meant to temporarily support the next horizontal reveal. Some designs utilize a vertical reveal, and those are slid into the panels as the panels are placed onto the bottom edge trim.

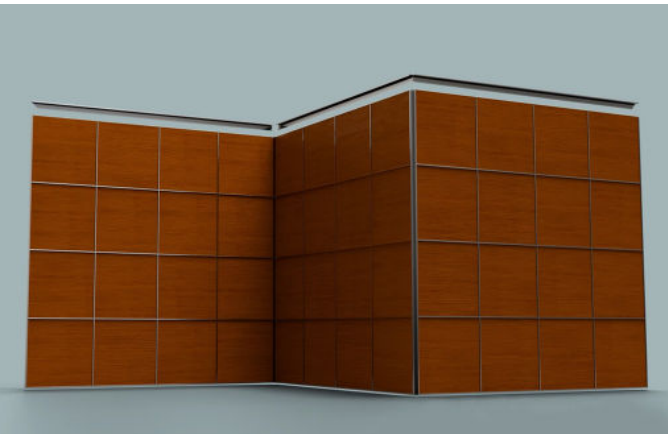
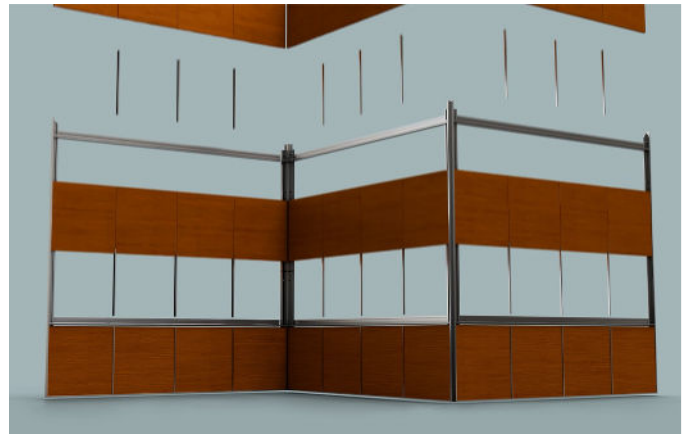


5 | HORIZONTAL REVEALS

Once the first row is set in place, the horizontal reveal will then be installed. It engages the top row of z-clips on the first row of panels. The horizontal reveal will support the next row of panels, and should also be fastened to the studs behind the system. These first steps will continue until the top of the system.

6 | CONTINUE TO INSTALL YOUR PANELS

Each additional row will install in the same manner as the bottom row. The Monarch MF375-2" Z Clips are installed facing down on the bottom of the panel and engage with the horizontal reveal. The clips on the top of the panel will engage with the reveal on top. Continue to install clips in this manner until you reach the top row.



7 | TOP EDGE TRIM

Depending on the installation constraints, the top edge trim can be installed in a few different ways:

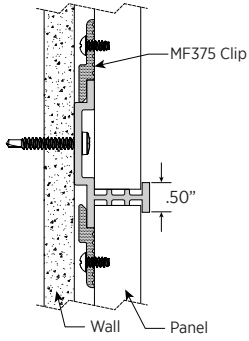
The MF375 that the system is based on, requires a minimum clearance of $\frac{3}{8}$ " above the final edge trim. In most cases, this has been planned into the EPS installation, and the final edge trim can be slid into place, once again engaging the top row of z-clips on the final row of panels.

In certain cases, where there isn't enough clearance, an installer can use 3M Dual Lock to have a zero lift-off installation.



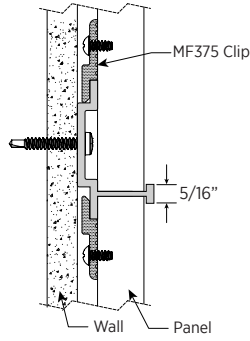
EPS PROFILE INDEX

HORIZONTAL REVEALS



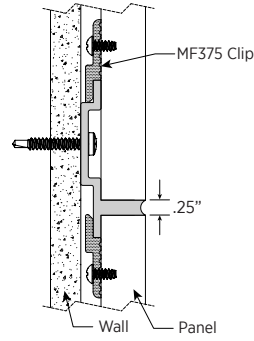
1/2" CAPTURED

3/4" Panel: EPS-H075-C50



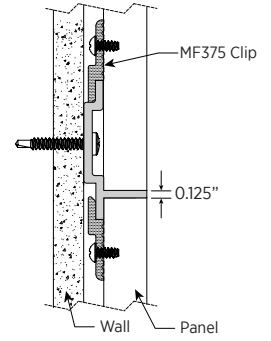
CAPTURED

3/4" Panel: EPS-H075-C*
3/8" Panel: EPS-OC039-C



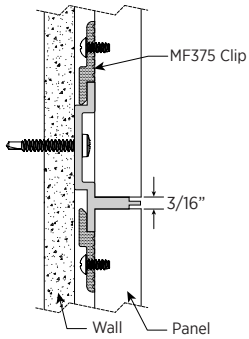
CONCAVE

3/4" Panel: EPS-H075-B



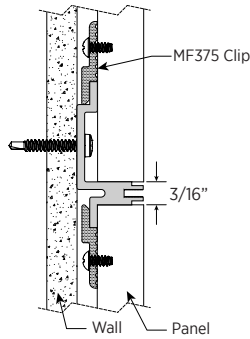
LINEAR

3/4" Panel: EPS-H075-L



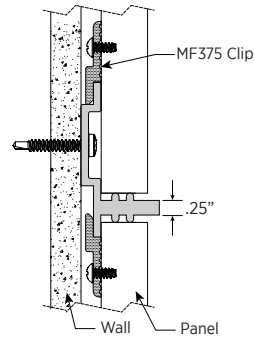
NARROW

3/4" Panel: EPS-H075-N*
3/8" Panel: EPS-H039-N



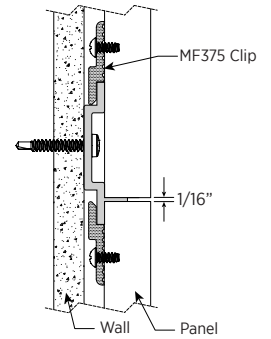
NARROW CHANNEL

3/4" Panel: EPS-H075-NC*
3/8" Panel: EPS-H039-NC



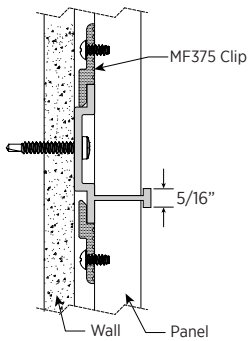
PROUD

3/4" Panel: EPS-H075-P



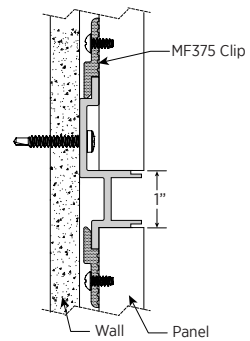
RECESSED

3/4" Panel: EPS-H075-R*
3/8" Panel: EPS-H039-R



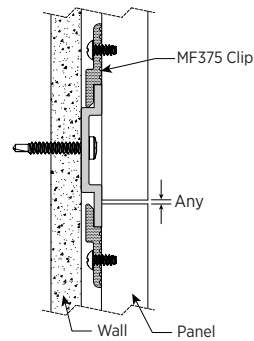
STAINLESS CAPTURED

3/4" Panel: EPS-H075-C-SA
3/8" Panel: EPS-H039-C-SA



WIDE CHANNEL

3/4" Panel: EPS-H075-WC*
3/8" Panel: EPS-H039-WC



MODIFIED

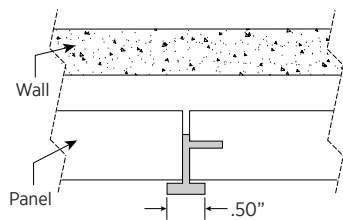
All Panel Sizes: EPS-H039-MR**

* Also Available in Black Anodized Finish | ** Available in Mill Finish



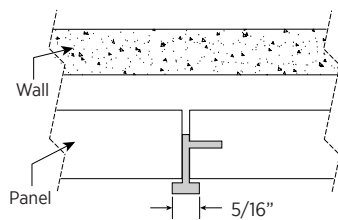
EPS PROFILES INDEX

VERTICAL REVEALS



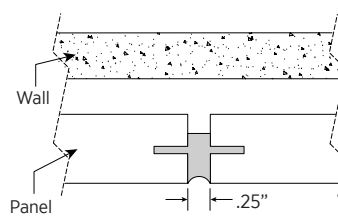
1/2" CAPTURED

3/4" Panel: EPS-V075-C50



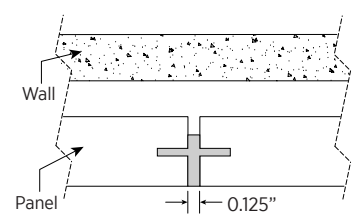
CAPTURED

3/4" Panel: EPS-V075-C*
3/8" Panel: EPS-V039-C



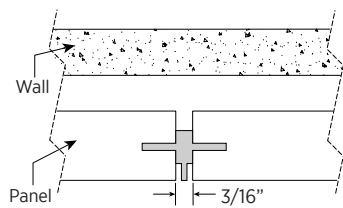
CONCAVE

3/4" Panel: EPS-V075-B



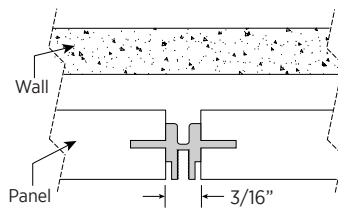
LINEAR

3/4" Panel: EPS-V075-L



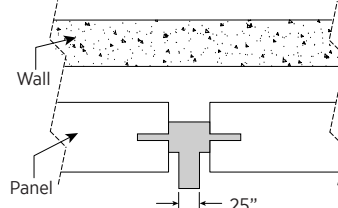
NARROW

3/4" Panel: EPS-V075-N*
3/8" Panel: EPS-V039-N



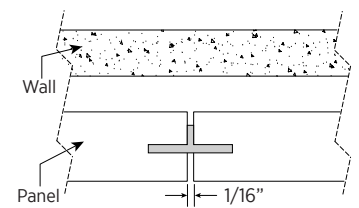
NARROW CHANNEL

3/4" Panel: EPS-V075-NC*
3/8" Panel: EPS-V039-NC



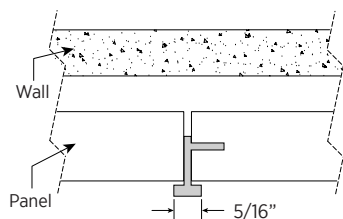
PROUD

3/4" Panel: EPS-V075-P



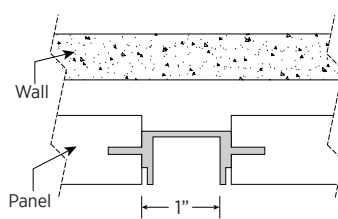
RECESSED

3/4" Panel: EPS-V075-R*
3/8" Panel: EPS-V039-R



STAINLESS CAPTURED

3/4" Panel: EPS-V075-C-SA



WIDE CHANNEL

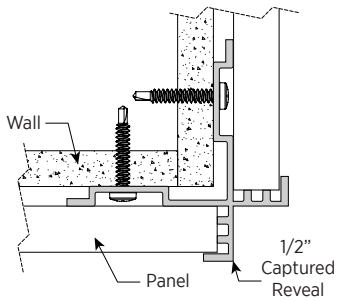
3/4" Panel: EPS-V075-WC*
3/8" Panel: EPS-V039-WC

* Also Available in Black Anodized Finish



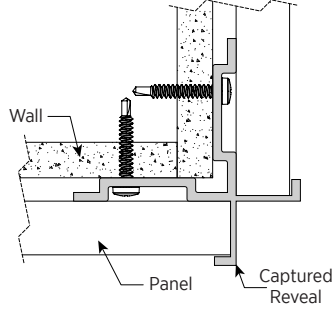
EPS PROFILE INDEX

CORNERS



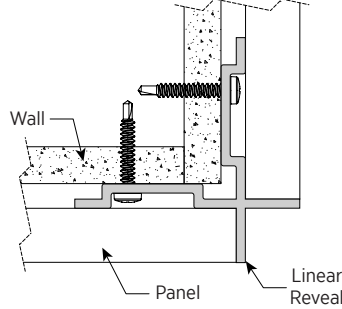
1/2" CAPTURED

3/4" Panel: EPS-OC075-C50



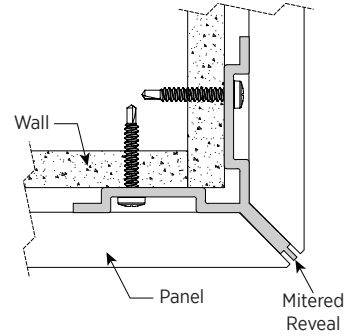
CAPTURED

3/4" Panel: EPS-OC075-C*
3/8" Panel: EPS-OC039-C



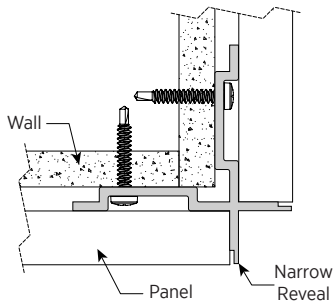
LINEAR

3/4" Panel: EPS-OC075-L



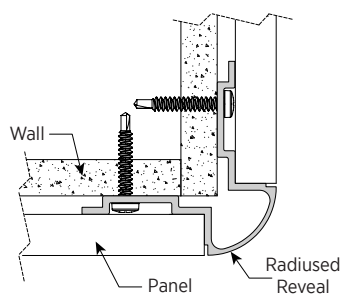
MITERED

3/4" Panel: EPS-OC075-M



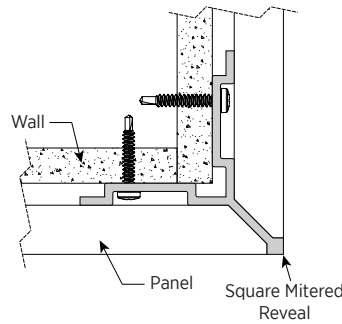
NARROW

3/4" Panel: EPS-OC075-N*
3/8" Panel: EPS-OC039-N



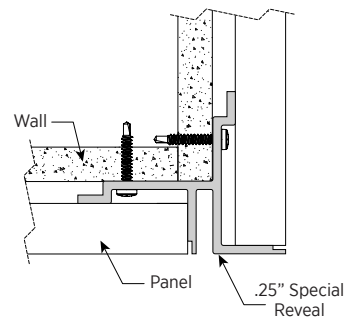
RADIUSED

3/4" Panel: EPS-OC075-RD



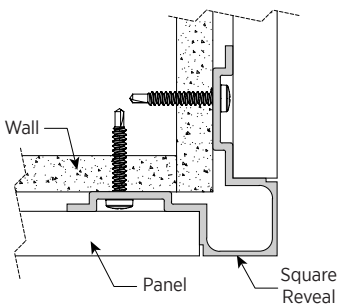
SQUARE MITERED

3/4" Panel: EPS-OC075-SM



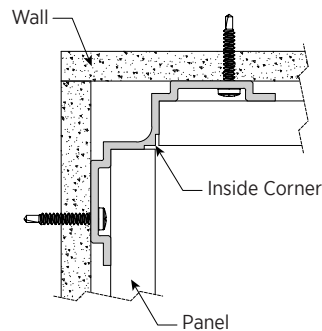
.25" SPECIAL

3/4" Panel: EPS-OC075-SP25



SQUARED

3/4" Panel: EPS-OC075-SQ



INSIDE CORNER NARROW

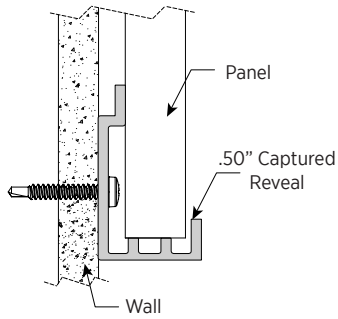
3/4" Panel: EPS-IC075-N

* Also Available in Black Anodized Finish



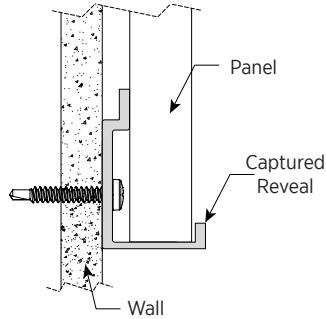
EPS PROFILE INDEX

EDGE TRIMS



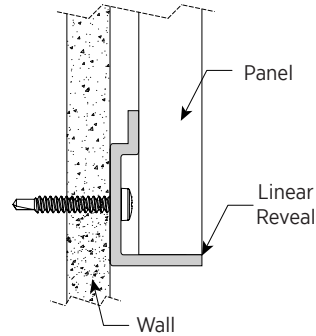
1/2" CAPTURED

3/4" Panel: EPS-ET075-C50



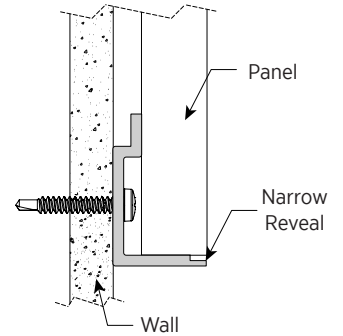
CAPTURED

3/4" Panel: EPS-ET075-C*
3/8" Panel: EPS-OC039-C



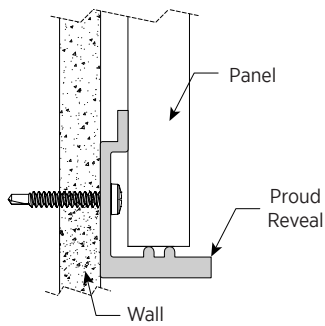
LINEAR

3/4" Panel: EPS-ET075-L



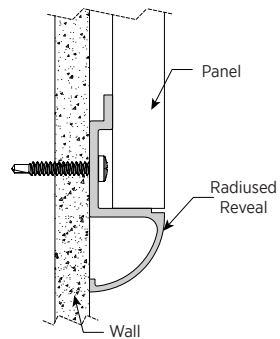
NARROW

3/4" Panel: EPS-ET075-N*
3/8" Panel: EPS-ET039-N



PROUD

3/4" Panel: EPS-ET075-P



RADIUSED

3/4" Panel: EPS-ET075-RD

* Also Available in Black Anodized Finish



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EASY PANEL SYSTEM

Version: 1.10
Date: 3-27-2026



MONARCH
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