



MONARCH
METAL FABRICATION

Z CLIP

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www.thezclip.com

Wall Panel & Cladding Installation Hardware



Concealed Fastener
Thermally Isolated
Undercut Anchor

CONCEALED FASTENER CLADDING – LIMESTONE

Jacqueline Vito LoRusso Alumni Ctr, Buffalo State
Cannan, Alexander & Scott
HOLT Architects
Revette Studio
Javen Construction



Exposed Fastener
Thermally Isolated
Rivet Type Fastener

HPL RAIN SCREEN CLADDING

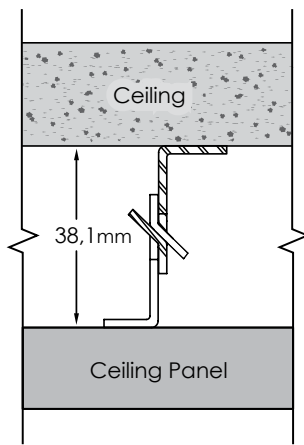
Meteon by TRESPA
Architect: Contor Müller Schlüter
Installer: Bernd Siwonia GmbH



WEB-19

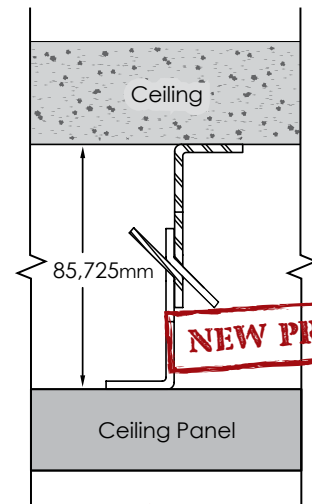
Ceiling Panel Installation System

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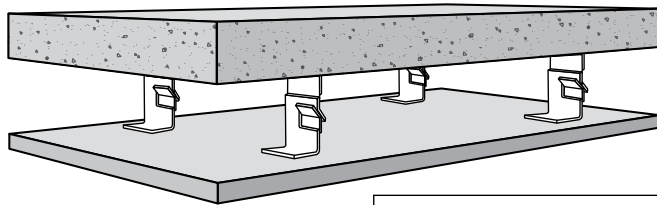
MFCEIL-H

For typical interior ceiling installations to minimize the drop from the wall

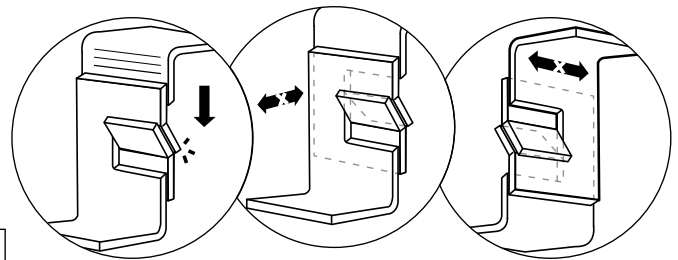


MFCEIL-S

For installations in regions with seismic concerns

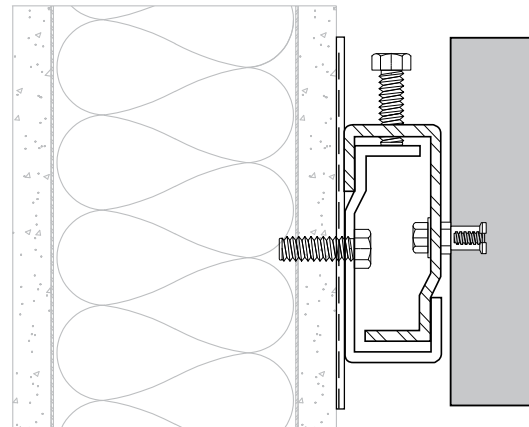


PANEL IS LOCKED IN PLACE WITH MOVEMENT RESTRICTED IN ALL DIRECTIONS



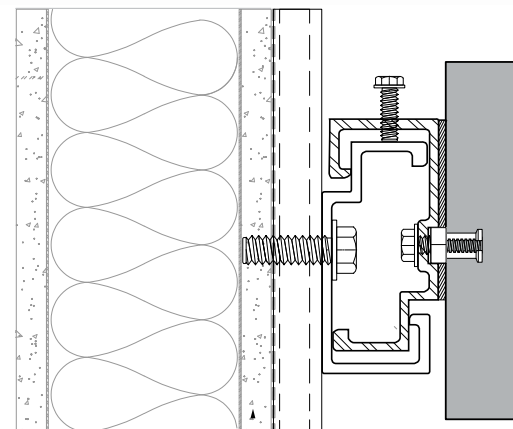
Stainless Steel Cladding System

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Stone Cladding Blind (Concealed) Systems for Cladding Installation

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Architectural Metals



MONARCH Z CLIP HANGING SYSTEMS



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Monarch Hanging System 07

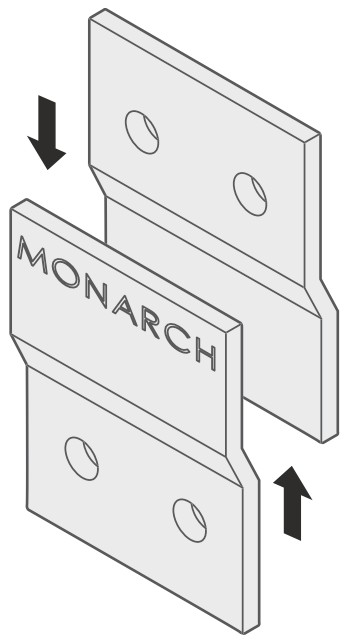
Standard Monarch Z Clips 08

Stainless Steel Monarch Z Clips 14

Specialty Z Clips 16

Ceiling System 22

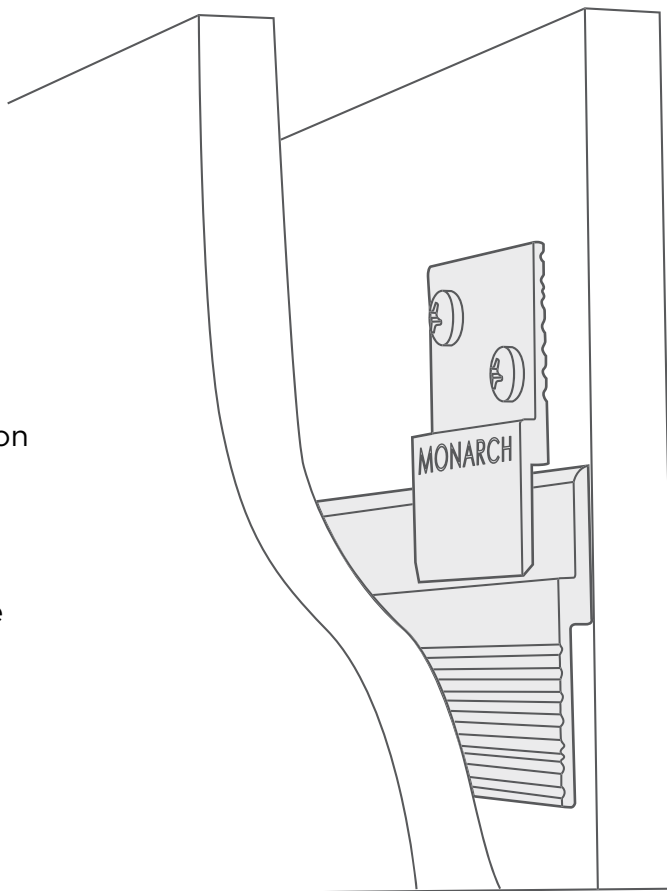
Overview



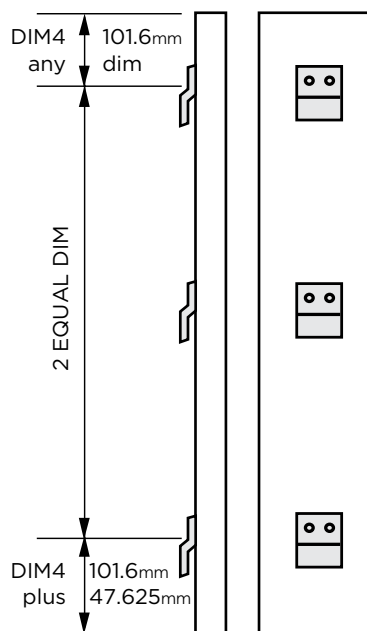
Monarch Metal has provided the fastest and easiest method to mount wall panels, signs, art work and more for close to 25 years.

The key advantages of the Monarch Z Clip system are:

- Simplicity of installation
- Strength and security of the mounting
- No visible screws or nails on the surface of the mounted panel



Overview



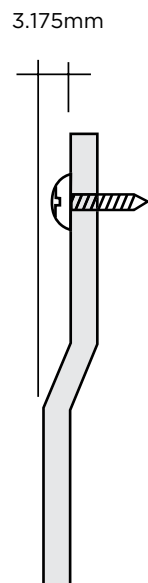
For a typical 2438.4mm high x 1219.2mm wide panel, customers mount the continuous lengths along the wall at 3 different heights parallel with the floor. These are secured to studs at 406.4mm on center or to blocking at 203.2mm on center. The shorter panel clips are secured to the back of the panel every 304.8-381mm horizontally.

To match fastener locations on the panel with those on the wall a single template can be used or one can use a story pole. Installation of the panel is accomplished by simply dropping the panel onto the continuous lengths mounted along the wall.

For a video of an installation, please visit our web-site at MonarchMetal.com

Monarch recommends a #8 Pan Head thread screw for attaching the shorter panel clips to the back side of MDF or particle board panels, and stocks these in 12.7mm, 15.875mm and 19.05mm lengths.

The important constraint to remember for using the Monarch Z Clip system is that the height of the head of the screw must be less than 3.175mm for our standard Monarch Z Clips.



Choosing the Correct Monarch Hanging System

Are you hanging
(i) a conventional
panel, OR (ii) a glass,
HPL Phenolic, acrylic or
aluminum ACM panel?

GLASS /
SPECIALITY



MFTAPE
9.525mm Lift Off
7.442mm Projection



CONVENTIONAL

Do you need
a high strength
system?

STANDARD
STRENGTH



MF625
15.875mm Lift Off
4.763mm Projection



MF250
6.35mm Lift Off
6.35mm Projection



MF375
9.525mm Lift Off
6.35mm Projection



HIGH STRENGTH

Do you need a
corrosion
resistant system?

HIGH
STRENGTH



MFSTR-050
11.113mm Lift Off
12.7mm Projection



MFSTR-1125
15.875mm Lift Off
28.575mm Projection



HIGH STRENGTH /
CORROSION RESISTANT



MFSS-CHAN
19.05mm Lift Off
25.4mm Projection



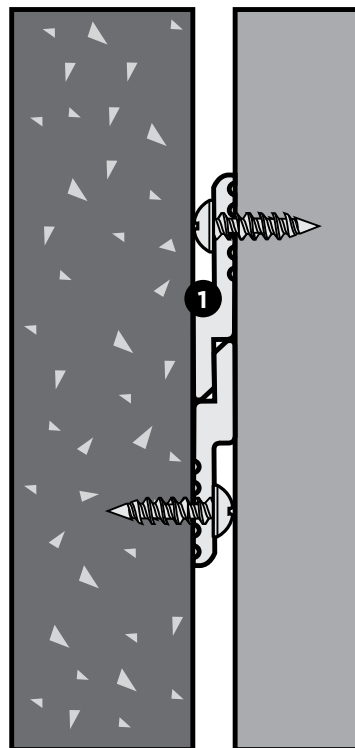
MFSS-HD
19.05mm Lift Off
6.35mm Projection

MF375 Clip

Standard Z Clips

Features

- Monarch Z Clip system for hanging interior panels where the installer desires a 9.525mm length of engagement
- 12.7mm clearance required between the top of the panel and the ceiling
- 6063-T6 Aluminum



1 MF375 Clip

Standard Applications

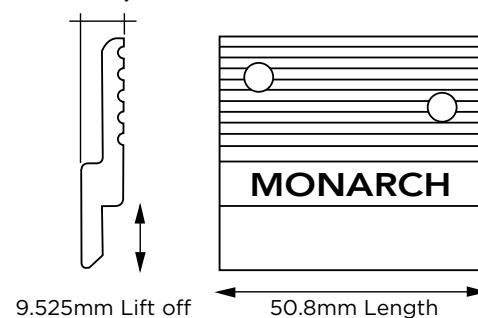
9.525mm Lift Off

6.35mm Projection

FEATURES

	MF375
Material	Aluminum
Stock Clip Size	50.8 mm
Stock Continuous Length	1828.8mm, 3657.6mm
Custom Lengths Available	Any
Lift Off (1)	9.525 mm
Projection (2)	6.35 mm
Availability	Same Day Shipping

6.35mm Projection



(1) The "Lift-Off" is the amount you need to raise the panel over its resting height to mount the panel.

(2) The "Projection" is the distance that the panel sits out from the wall.

MF375 Even Clip

Standard Z Clips

Features

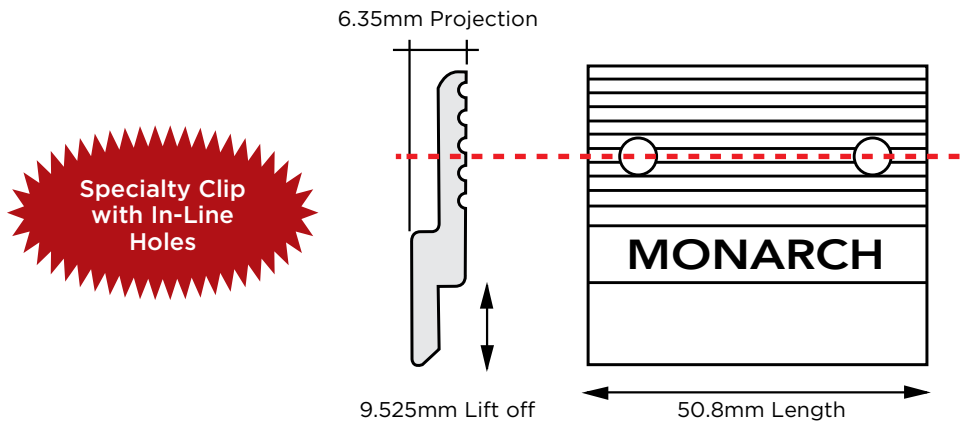
- In line holes for 50% increase in panel processing speed
- 32mm hole spacing for line boring equipment
- 6063-T6 Aluminum

Alternative Clip for MF375

9.525mm Lift Off

6.35mm Projection

FEATURES



	MF375
Material	Aluminum
Stock Clip Size	50.8mm
Stock Continuous Length	1828.8mm, 3657.6mm
Custom Lengths Available	Any
Lift Off (1)	9.525mm
Projection (2)	6.35mm
Availability	Same Day Shipping

(1) The "Lift-Off" is the amount you need to raise the panel over its resting height to mount the panel.

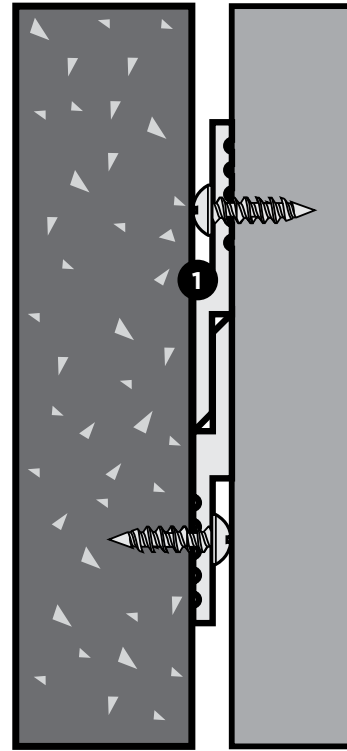
(2) The "Projection" is the distance that the panel sits out from the wall.

MF625 Clip

Standard Z Clips

Features

- Monarch Z Clip system for hanging interior panels where the installer desires a 15.875mm length of engagement
- 19.05mm clearance required between the top of the panel and the ceiling
- 6063-T6 Aluminum



1 MF625 Clip

Standard Applications

15.875mm Lift Off

4.763mm Projection

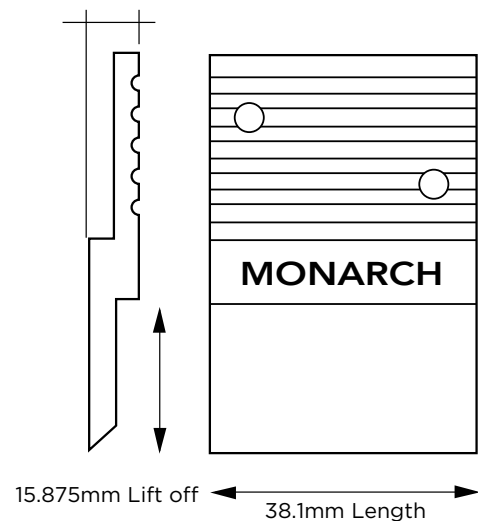
FEATURES

	MF625
Material	Aluminum
Stock Clip Size	38.1mm
Stock Continuous Length	1828.8mm, 3657.6mm
Custom Lengths Available	Any
Lift Off (1)	15.875mm
Projection (2)	4.763mm
Availability	Same Day Shipping

(1) The "Lift-Off" is the amount you need to raise the panel over its resting height to mount the panel.

(2) The "Projection" is the distance that the panel sits out from the wall.

5.08mm Projection

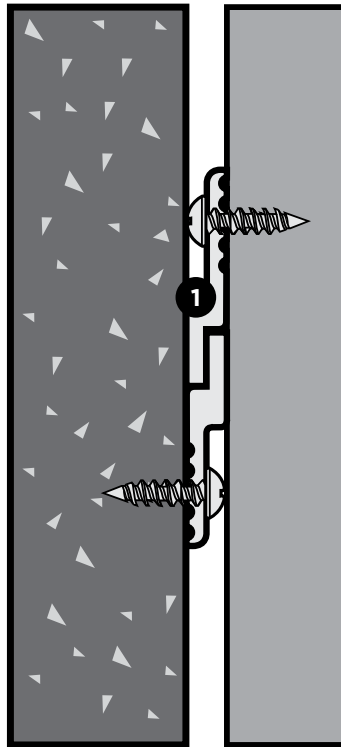


MF250 Clip

Standard Z Clips

Features

- Monarch Z Clip system for hanging interior panels where the installer desires a 6.35mm length of engagement
- 9.525mm clearance required between the top of the panel and the ceiling
- 6063-T6 Aluminum



1 MF250 Clip

Applications With Limited Clearance Above Panel

15.875mm Lift Off

6.35mm Projection

FEATURES

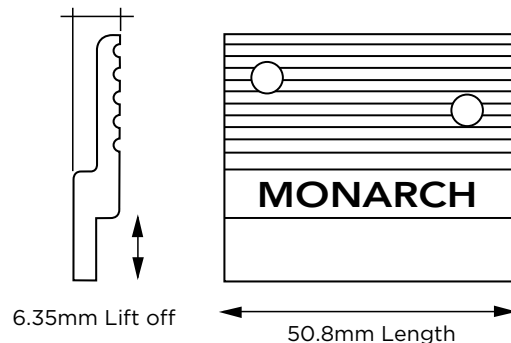
MONARCH Z CLIPS

	MF250
Material	Aluminum
Stock Clip Size	50.8mm
Stock Continuous Length	1828.8mm, 3657.6mm
Custom Lengths Available	Any
Lift Off (1)	6.35mm
Projection (2)	6.35mm
Availability	Same Day Shipping

(1) The "Lift-Off" is the amount you need to raise the panel over its resting height to mount the panel.

(2) The "Projection" is the distance that the panel sits out from the wall.

6.35mm Projection



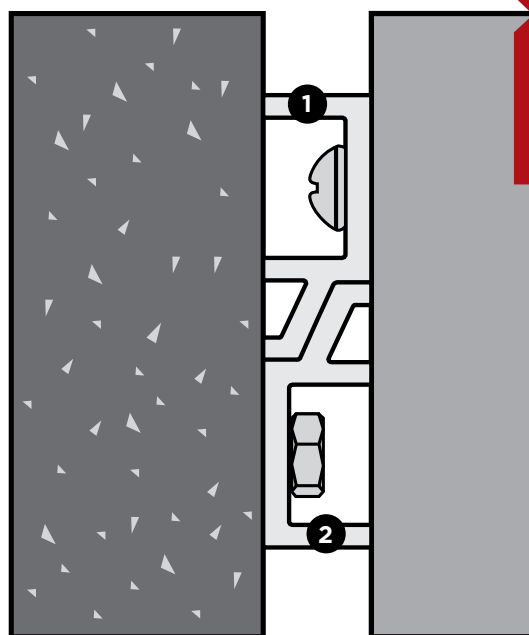
50.8mm Length

MFSTR-050 Clip

Standard Z Clips

Features

- High strength aluminum system compatible with up to a 9.525mm hex bolt
- 12.7mm clearance required between the top of the panel and the ceiling
- 6063-T6 Aluminum
- Easily used for mounting on concrete block or other difficult materials



1 MFSTR-050 2" Clip

2 MFSTR-050 Continuous Length

High Strength Applications

11.113mm Lift Off

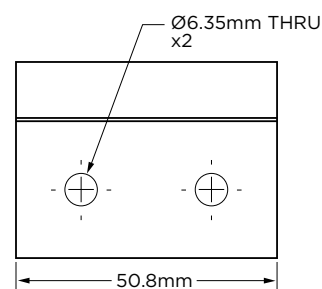
12.7mm Projection

FEATURES

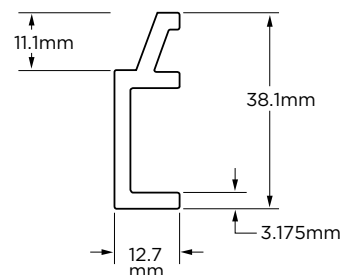
	MFSTR050
Material	Aluminum
Stock Clip Size	50.8mm
Stock Continuous Length	1828.8mm, 3657.6mm
Custom Lengths Available	Any
Lift Off (1)	11.113mm
Projection (2)	12.7mm
Availability	Same Day Shipping

(1) The "Lift-Off" is the amount you need to raise the panel over its resting height to mount the panel.

(2) The "Projection" is the distance that the panel sits out from the wall.



(Available in lengths up to 3657.6mm)

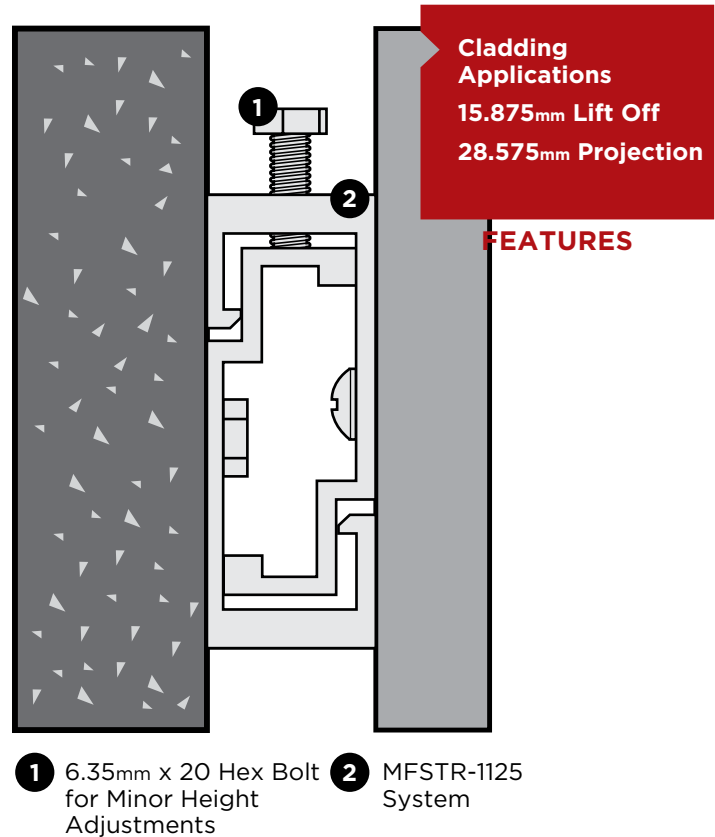


MFSTR-1125 Clip

Standard Z Clips

Features

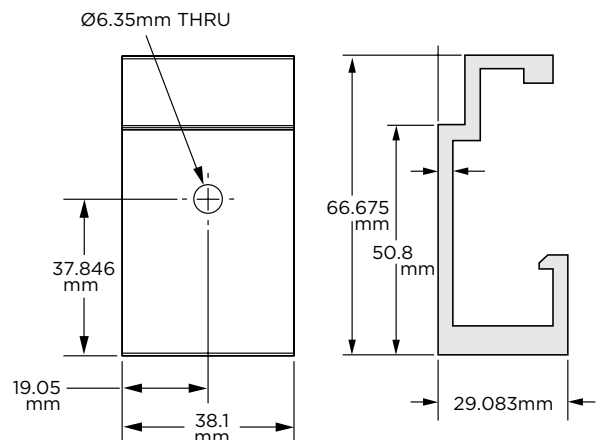
- Heavy duty adjustable height system for mounting curtain wall in exterior applications
- Easy adjust bolt on clips for minor height adjustments
- Easy fit engagement for locating
- 19.05mm clearance required above the panel
- 6063-T6 Aluminum
- Compatible with heavy duty hex bolts up to 9.525mm for additional strength
- Perfect for mounting on concrete block or other difficult materials



	MFSTR-1125
Material	Aluminum
Stock Clip Size	38.1mm
Stock Continuous Length	3657.6mm
Custom Lengths Available	Any
Lift Off (1)	15.875mm
Projection (2)	28.575mm
Availability	Same Day Shipping

(1) The "Lift-Off" is the amount you need to raise the panel over its resting height to mount the panel.

(2) The "Projection" is the distance that the panel sits out from the wall.



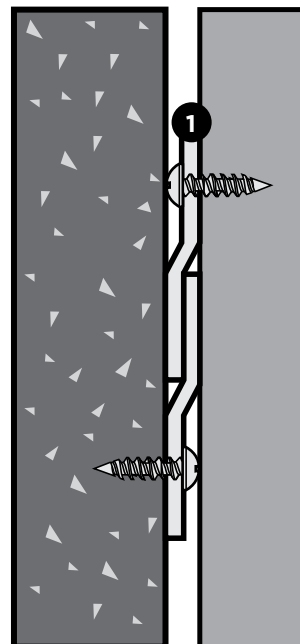
(Available in lengths up to 3657.6mm)

Heavy Duty Stainless Steel Clips

Stainless Steel Hidden Fastening Systems

Features

- High strength, corrosion resistant stainless steel material makes these perfect for use in exterior wet or harsh environments
- 22.225mm clearance required between the top of the panel and the ceiling
- Available in 304 Stainless Steel and 316 Marine Grade Stainless Steel
- Same simple engagement mechanism as our original Monarch Clips



1 Heavy Duty MFSS Clip

**High Strength
Corrosion Resistant
Applications**

19.05mm Lift Off

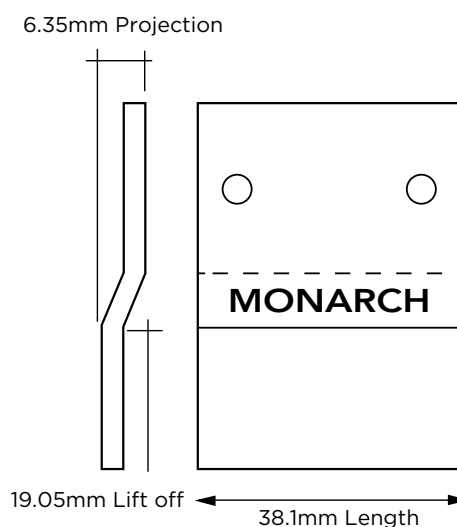
6.35mm Projection

FEATURES

	MFSS HD Clips
Material	Stainless Steel
Stock Clip Size	38.1mm
Stock Continuous Length	1219.2mm
Custom Lengths Available	Any
Lift Off (1)	19.05mm
Projection (2)	6.35mm
Availability	Same Day Shipping

(1) The "Lift-Off" is the amount you need to raise the panel over its resting height to mount the panel.

(2) The "Projection" is the distance that the panel sits out from the wall.



19.05mm Lift off

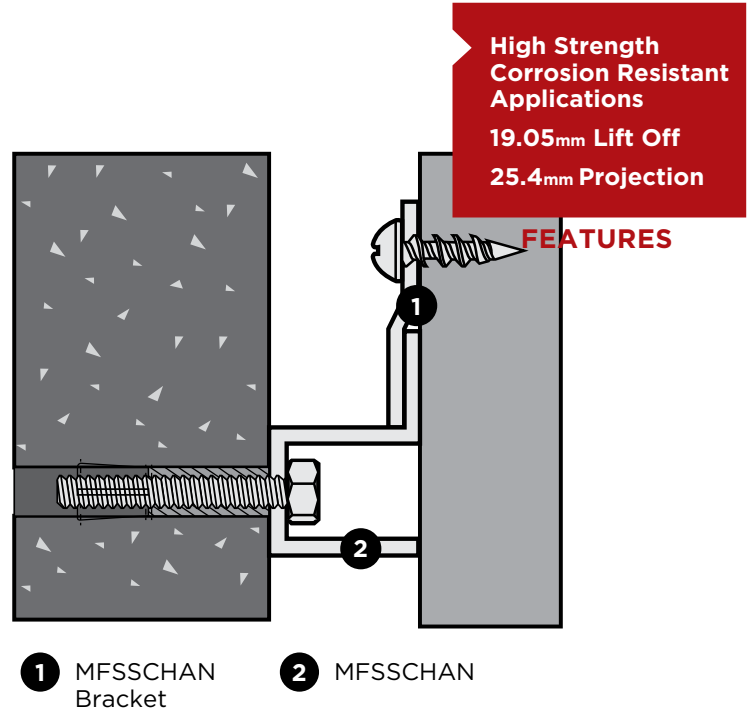
38.1mm Length

Stainless Steel System with 1" Projection

Stainless Steel Hidden Fastening Systems

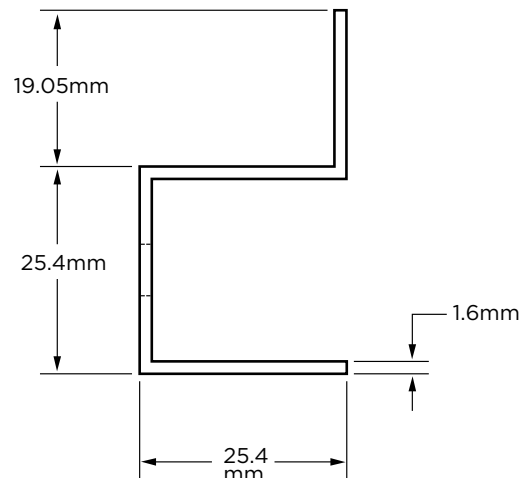
Features

- High strength, corrosion resistant stainless steel material compatible with up to a 9.525mm hex bolt
- 22.225mm clearance required between the top of the panel and the ceiling
- 304 Stainless steel
- 25.4mm projection for building envelope applications



	MFSSCHAN
Material	Stainless Steel
Stock Clip Size	88.9mm
Stock Continuous Length	1219.2mm
Custom Lengths Available	Any
Lift Off (1)	19.05mm
Projection (2)	25.4mm
Availability	Same Day Shipping

- (1) The "Lift-Off" is the amount you need to raise the panel over its resting height to mount the panel.
- (2) The "Projection" is the distance that the panel sits out from the wall.

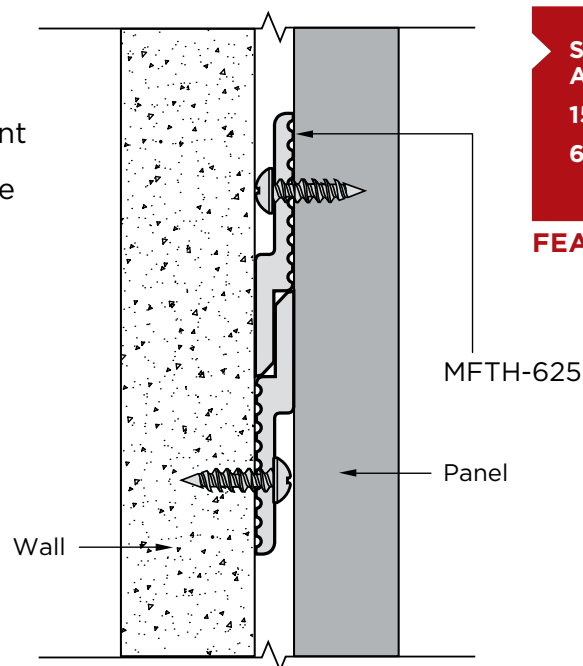


MFTH-625

Specialty Z Clips

Features

- Monarch Z Clip system for hanging interior panels where the installer desires a 15.875mm length of engagement
- 19.05mm clearance required between the top of the panel and the ceiling
- 6063-T6 Aluminum

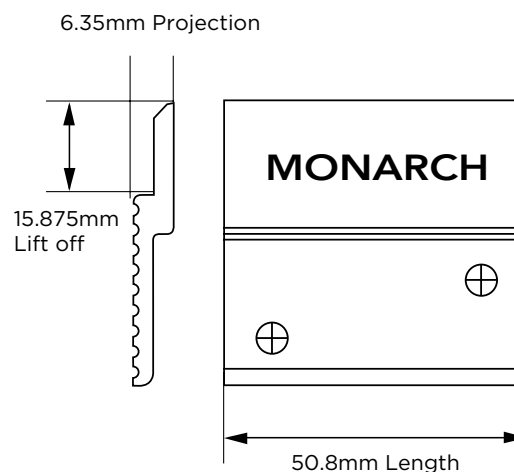


Standard Applications
15.875mm Lift Off
6.35mm Projection

FEATURES

	MFTH-625
Material	Aluminum
Stock Clip Size	50.8mm
Stock Continuous Length	1828.8mm, 3657.6mm
Custom Lengths Available	Any
Lift Off (1)	15.875mm
Projection (2)	6.35mm
Availability	Same Day Shipping

- (1) The "Lift-Off" is the amount you need to raise the panel over its resting height to mount the panel.
- (2) The "Projection" is the distance that the panel sits out from the wall.

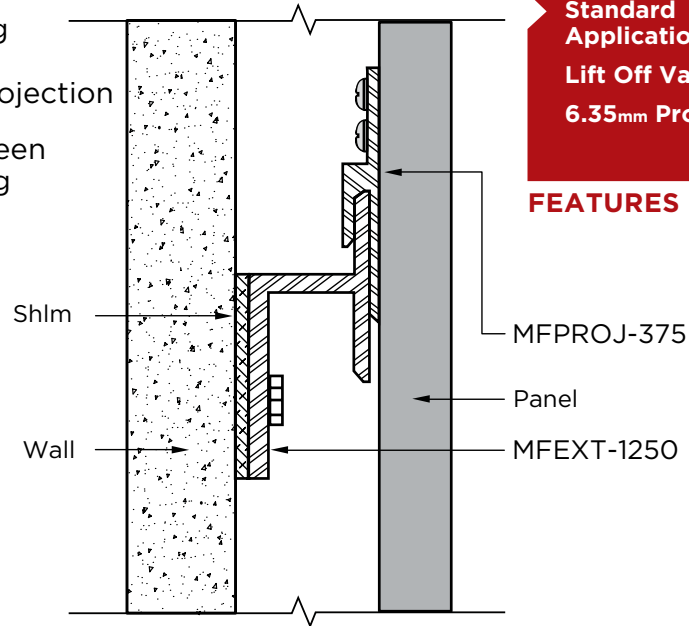


MFEXT-1250

Specialty Z Clips

Features

- Monarch Z Clip system for hanging interior panels where the installer desires a 31.75mm or 34.925mm projection
- 19.05mm clearance required between the top of the panel and the ceiling
- 6063-T6 Aluminum

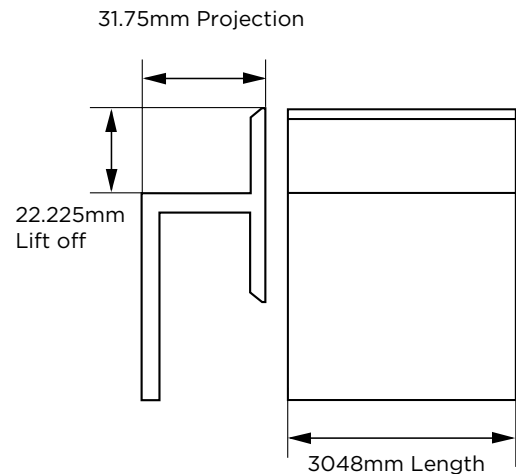


MONARCH Z CLIPS

	MFEXT-1250
Material	Aluminum
Stock Clip Size	Mates with MFTH-625 or MFPROJ-375
Stock Continuous Length	3048 mm
Custom Lengths Available	Any
Lift Off (1)	22.225 mm
Projection (2)	34.925mm or 9.525mm
Availability	Same Day Shipping

(1) The "Lift-Off" is the amount you need to raise the panel over its resting height to mount the panel.

(2) The "Projection" is the distance that the panel sits out from the wall.

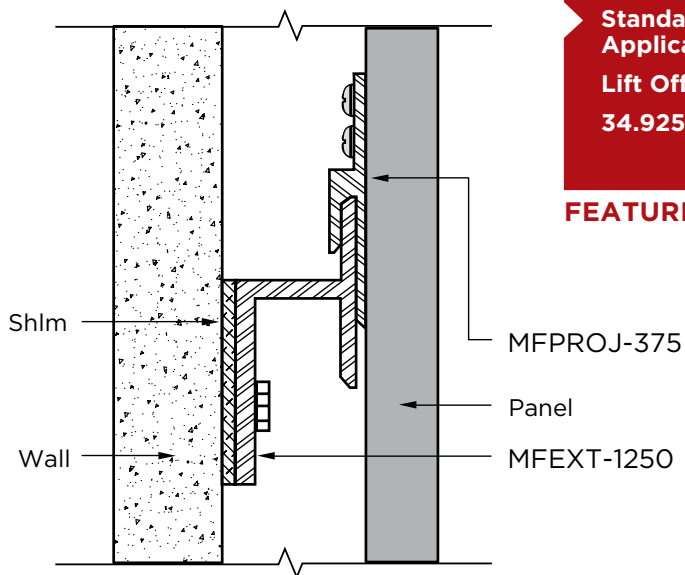


MFPROJ-375

Specialty Z Clips

Features

- Monarch Z Clip system for hanging interior panels where the installer desires a 34.925mm projection
- 19.05mm clearance required between the top of the panel and the ceiling
- 6063-T6 Aluminum



Standard Applications
Lift Off Varies
34.925mm Projection

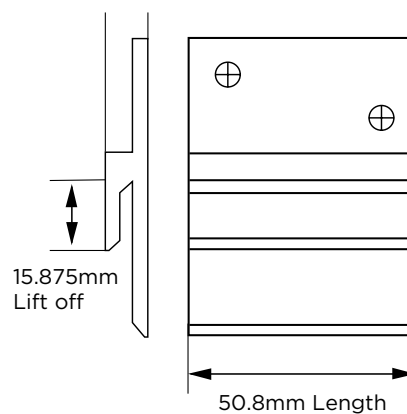
FEATURES

	MFEXT-1250
Material	Aluminum
Stock Clip Size	50.8mm
Stock Continuous Length	Mates with MF-EXT1250
Custom Lengths Available	Any
Lift Off (1)	15.875mm
Projection (2)	34.925mm or 9.525mm
Availability	Same Day Shipping

(1) The "Lift-Off" is the amount you need to raise the panel over its resting height to mount the panel.

(2) The "Projection" is the distance that the panel sits out from the wall.

9.525mm Projection

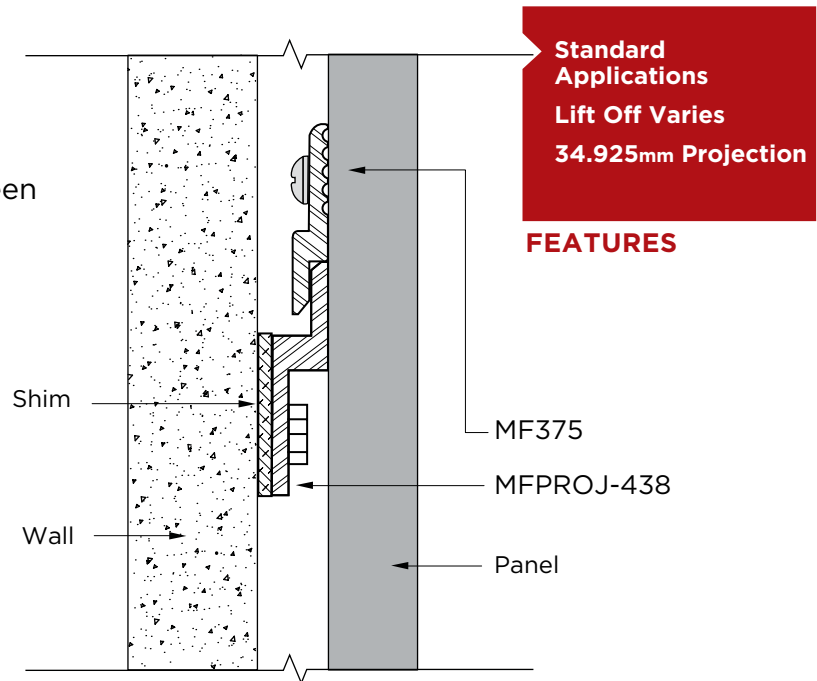


MFPROJ-438

Specialty Z Clips

Features

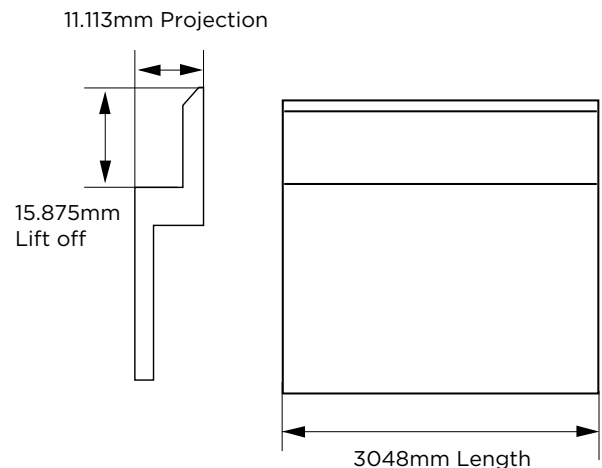
- Monarch Z Clip system for hanging interior panels where the installer desires a 11.113mm projection
- 19.05mm clearance required between the top of the panel and the ceiling
- 6063-T6 Aluminum



MONARCH Z CLIPS

	MFPROJ-438
Material	Aluminum
Stock Clip Size	Mates with MF375-2 Clip
Stock Continuous Length	3048 mm
Custom Lengths Available	Any
Lift Off (1)	15.875mm
Projection (2)	11.113 mm
Availability	Same Day Shipping

- (1) The "Lift-Off" is the amount you need to raise the panel over its resting height to mount the panel.
- (2) The "Projection" is the distance that the panel sits out from the wall.



MFSTR-050 for Undercut Anchor

Specialty Z Clips

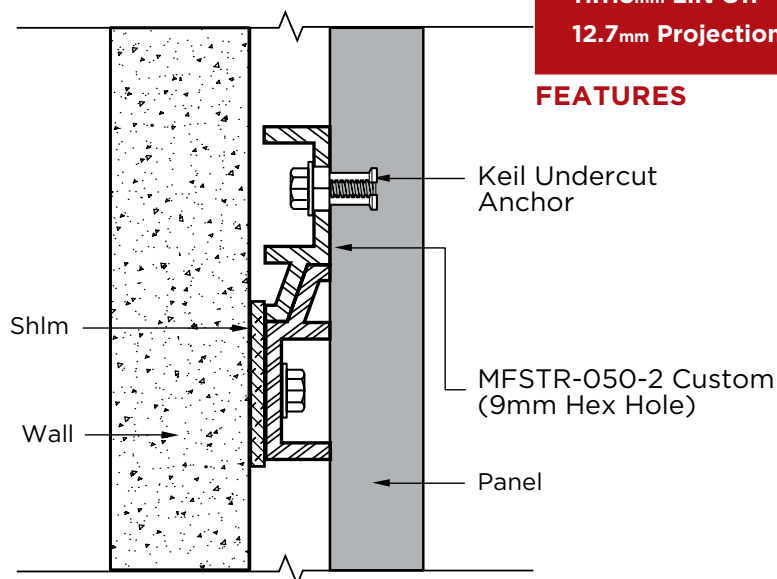
Features

- Monarch Z Clip system for hanging interior panels where the installer desires to use a high strength, undercut anchor
- 12.7mm clearance required between the top of the panel and the ceiling
- Undercut anchors, such as the Keil Undercut anchors often have central pull fracture loads of more than 0.45359KG/453.59GMS* when properly installed
- Undercut anchors have been utilized with TAKTL panels, GFRC panels, high-pressure laminate, terracotta and stone
- 6063-T6 Aluminium

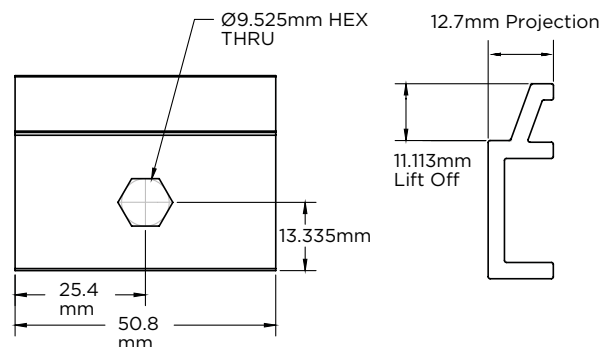
*Fracture loads vary widely depending upon the material

Applications
Requiring
Undercut Anchor
11.113mm Lift Off
12.7mm Projection

FEATURES



	MFSTR050
Material	Aluminum
Stock Clip Size	50.8mm
Stock Continuous Length	1828.8mm, 3657.6mm
Custom Lengths Available	Any
Lift Off (1)	11.113mm
Projection (2)	12.7mm
Availability	Same Day Shipping



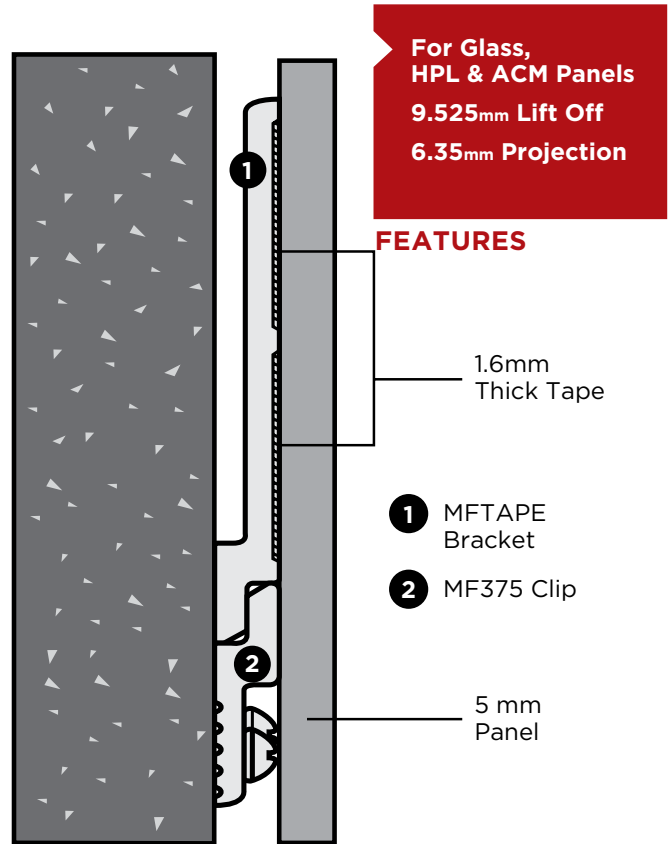
- (1) The "Lift-Off" is the amount you need to raise the panel over its resting height to mount the panel.
- (2) The "Projection" is the distance that the panel sits out from the wall.

MFTAPE

Hidden Fastening System with 3M High Strength Tape

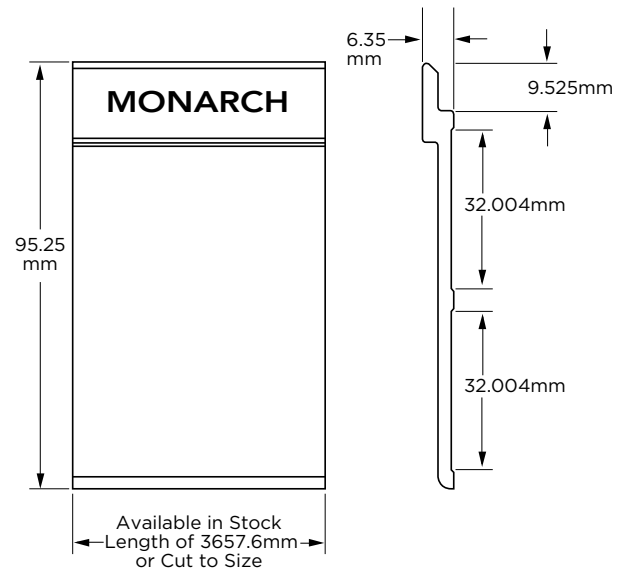
Features

- Easily used for mounting phenolic, ACM, aluminum, mirrors and glass panels
- Each 3048mm of clip is rated for 0.0045359KG/4.5359GMS of shear strength using a 5x factor
- Suitable for interior and exterior applications (examples in 3M design guide)
- 12.7mm clearance required between top of the panel and the ceiling
- 6063-T6 aluminum
- (2) strips of 3M VHB architectural panel tape pre-applied for peel and stick application
- Pairs with MF375 clip for material savings
- Redesign of clip to optimize adhesion with tapes
- Clip can also be purchased without 3M tape for use with your preferred vendor of glazing tape



	MFTAPE
Material	Aluminum
Stock Clip Size	50.8mm
Stock Continuous Length	1828.8mm, 3657.6mm
Custom Lengths Available	Any
Lift Off (1)	9.525mm
Projection (2)	7.442mm
Availability	Same Day Shipping

- (1) The "Lift-Off" is the amount you need to raise the panel over its resting height to mount the panel.
- (2) The "Projection" is the distance that the panel sits out from the wall.

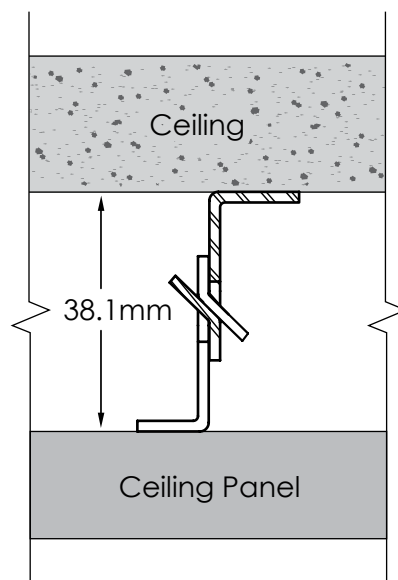


MFCEIL-H Ceiling System for Typical Conditions

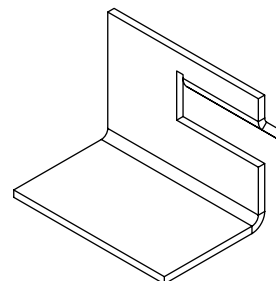
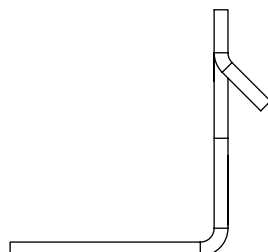
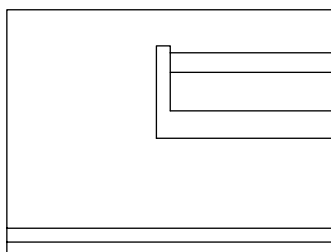
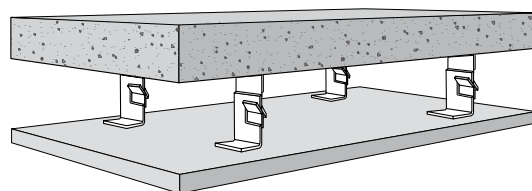
Ceiling Systems - Typical Conditions

Features

- Interlocking clips prevent movement of the panel vertically and horizontally
- Removable
- Manufactured from 1.6129 mm Galvanized Steel
- Available in stainless steel
- 4 interlocking clips are mounted on the back of the panel and 4 interlocking clips are mounted to the ceiling



	MFCEIL-H
Material	1.6129mm Galvanized
Stock Clip Size	38.1mm
Stock Continuous Length	Mates with itself
Custom Lengths Available	Any
Availability	Same Day Shipping

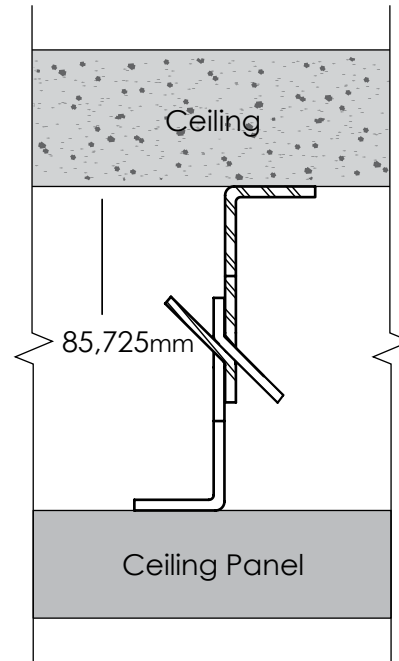


MFCEIL-S Ceiling System for Seismic Conditions

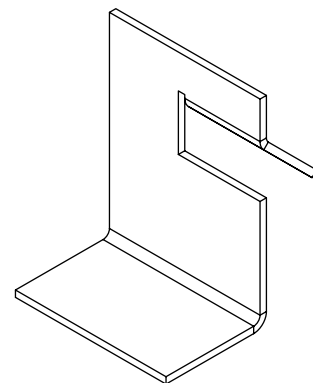
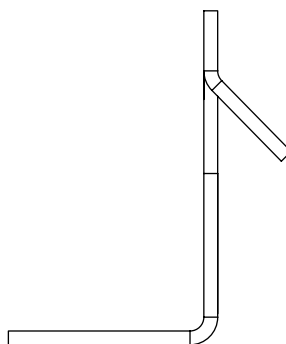
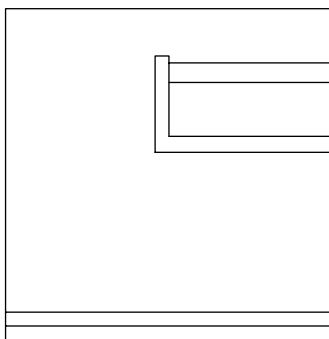
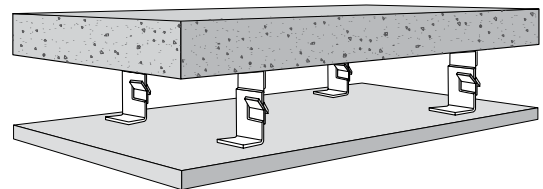
Ceiling Systems - Seismic Conditions

Features

- Interlocking clips prevent movement of the panel vertically and horizontally
- Removable
- Manufactured from 1.6129 mm Galvanized Steel
- Available in stainless steel
- 4 interlocking clips are mounted on the back of the panel and 4 interlocking clips are mounted to the ceiling



	MFCEIL-S
Material	1.6129mm Galvanized
Stock Clip Size	38.1mm
Stock Continuous Length	Mates with itself
Custom Lengths Available	Any
Availability	Made to Order



MONARCH EASY WALL PANEL SYSTEM

PATENT PENDING



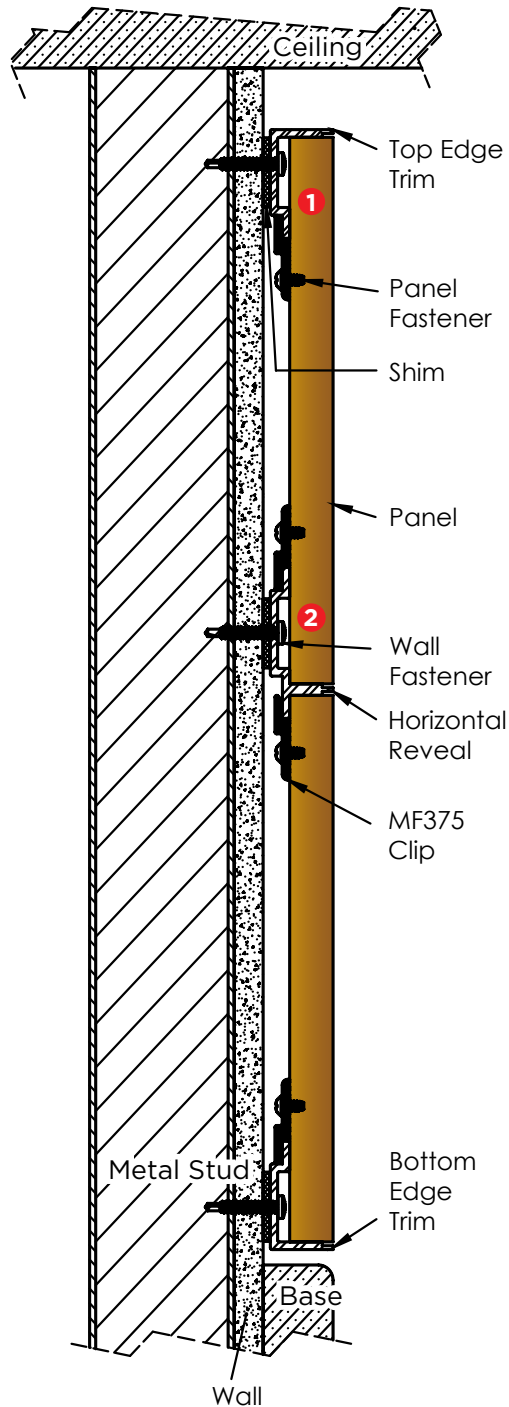
System Features 25

Reveal Options 26

Corner & Perimeter Trim Options 35

Glass Wall Panel System 41

Easy Wall Panel System Features

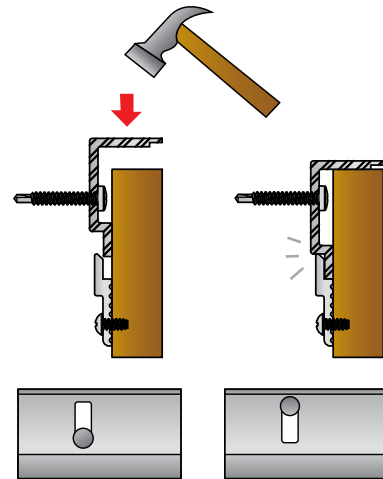


PATENT PENDING

- Ships from stock
- Anodized in clear, black and custom colors

1 Fast & simple installation centered around the intuitive Monarch Z Clip System

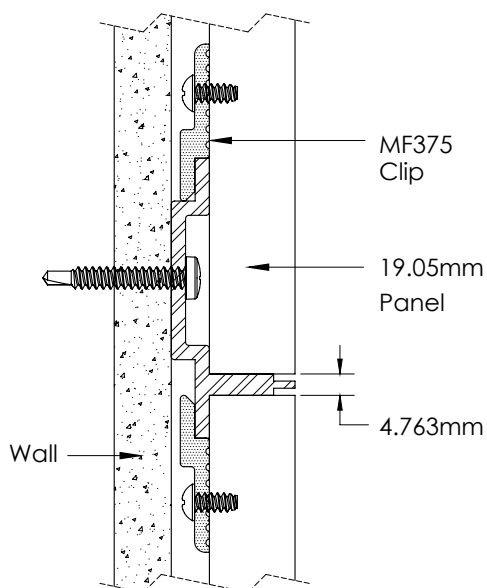
2 Horizontal Reveals & Edge Trim to be punched with slotted holes for adjusting into place after mounting.



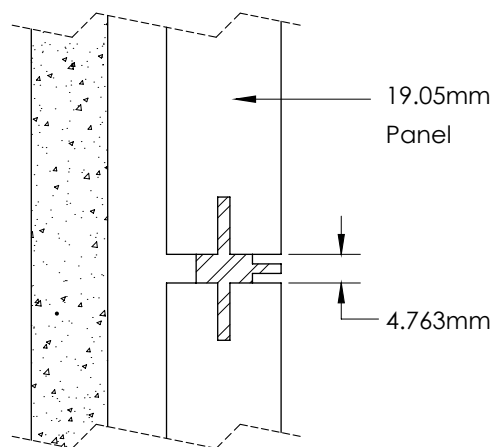
Narrow Reveal



NARROW REVEAL	
Reveal Thickness	4.763mm
Compatible Panel Thickness	9.525mm, 19.05mm
Finishes	Clear, Black, Custom
Standard Length	3657.6mm



Horizontal Reveal
 19.05mm Panel: EPS-H075-N
 9.525mm Panel: EPS-H039-N

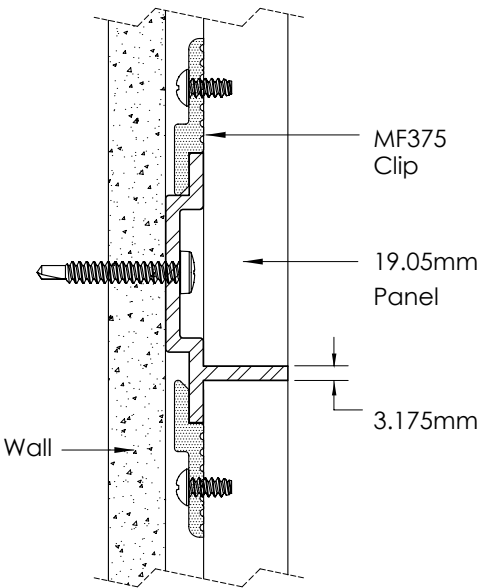


Vertical Reveal
 19.05mm Panel: EPS-V075-N
 9.525mm Panel: EPS-V039-N

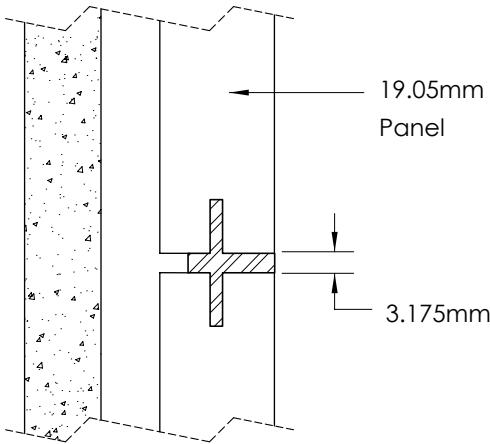
Linear Reveal



LINEAR REVEAL	
Reveal Thickness	3.175mm
Compatible Panel Thickness	19.05mm
Finishes	Clear, Custom
Standard Length	3657.6mm



Horizontal Reveal
19.05mm Panel: EPS-H075-L



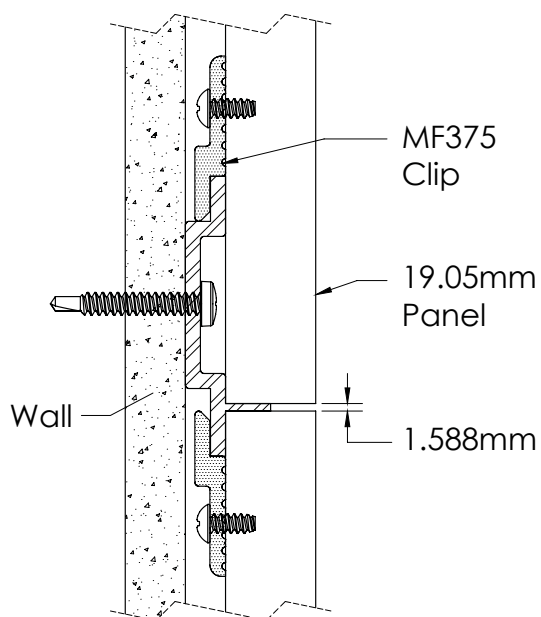
Vertical Reveal
19.05mm Panel: EPS-V075-L

Recessed

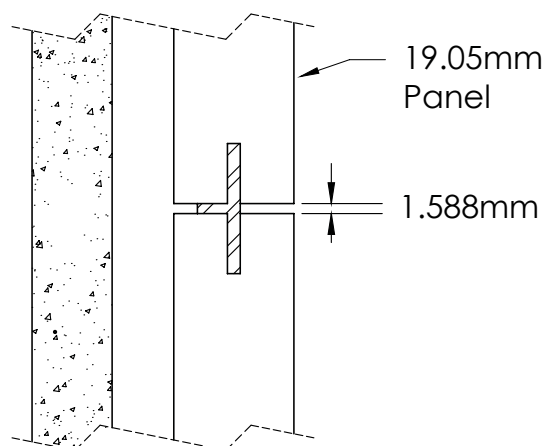


RECESSED REVEAL

Reveal Thickness	1.588mm
Compatible Panel Thickness	9.525mm, 19.05mm
Finishes	Clear, Black, Custom
Standard Length	3657.6mm



Horizontal Reveal
19.05mm Panel: EPS-H075-R
9.525mm Panel: EPS-H039-R

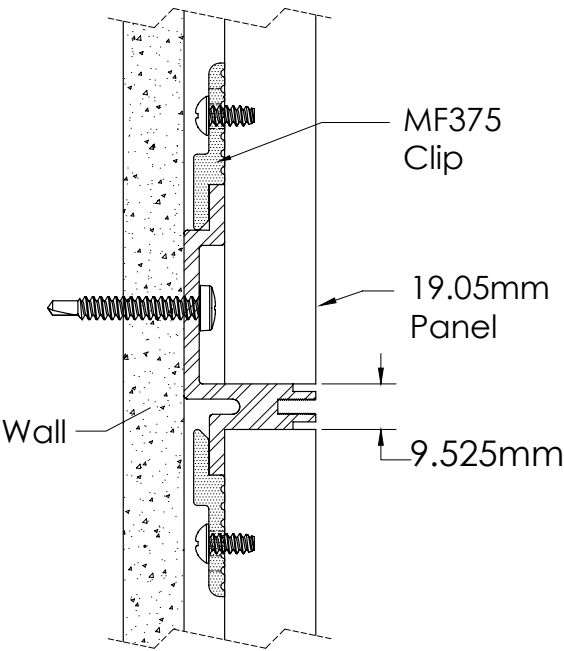


Vertical Reveal
19.05mm Panel: EPS-V075-R
9.525mm Panel: EPS-V039-R

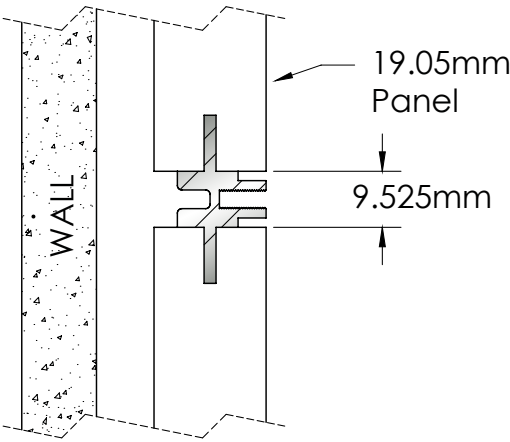
Narrow Channel



NARROW CHANNEL	
Reveal Thickness	9.525mm
Compatible Panel Thickness	9.525mm, 19.05mm
Finishes	Clear, Black, Custom
Standard Length	3657.6mm



Horizontal Reveal
 19.05mm Panel: EPS-H075-NC
 9.525mm Panel: EPS-H039-NC

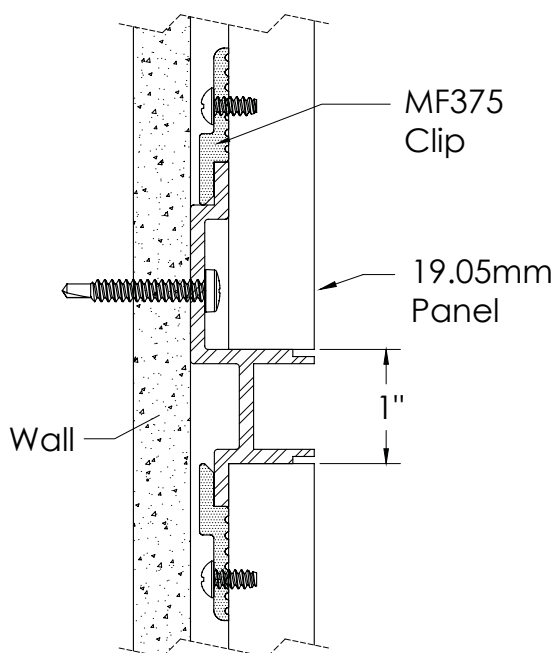


Vertical Reveal
 19.05mm Panel: EPS-V075-NC
 9.525mm Panel: EPS-V039-NC

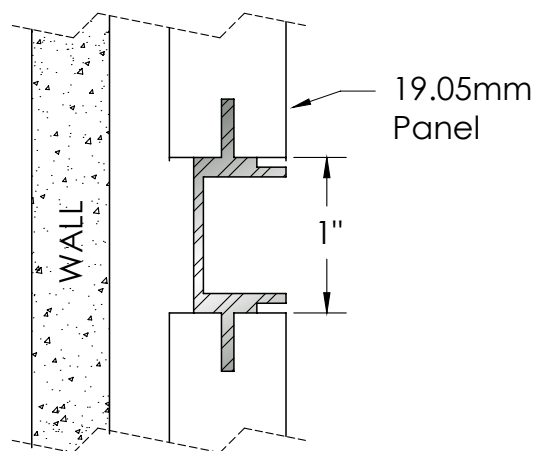
Wide Channel



WIDE CHANNEL	
Reveal Thickness	25.4mm
Compatible Panel Thickness	9.525mm, 19.05mm
Finishes	Clear, Black, Custom
Standard Length	3657.6mm



Horizontal Reveal
 19.05mm Panel: EPS-H075-WC
 9.525mm Panel: EPS-H039-WC

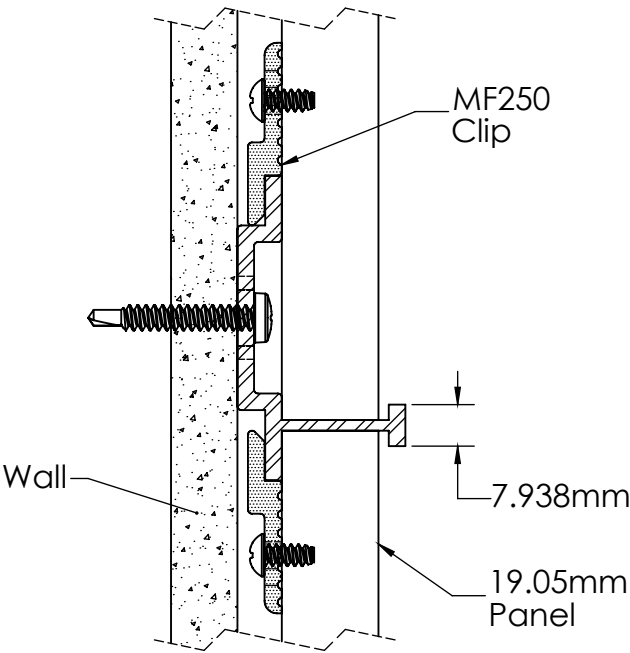


Vertical Reveal
 19.05mm Panel: EPS-V075-WC
 9.525mm Panel: EPS-V039-WC

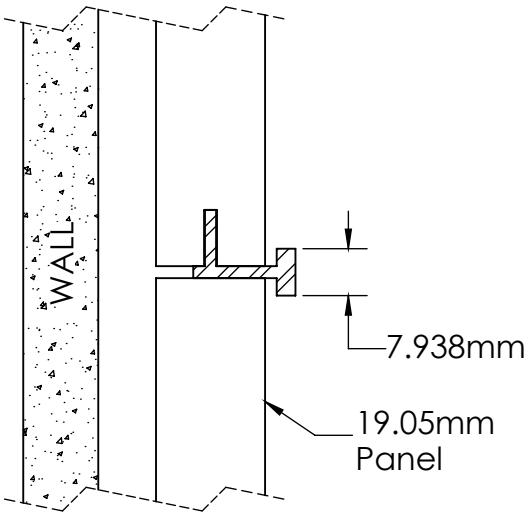
Captured



CAPTURED	
Reveal Thickness	7.938mm
Compatible Panel Thickness	9.525mm, 19.05mm
Finishes	Clear, Black, Stainless Anodized, Custom
Standard Length	3657.6mm



Horizontal Reveal
19.05mm Panel: EPS-H075-C
9.525mm Panel: EPS-H039-C

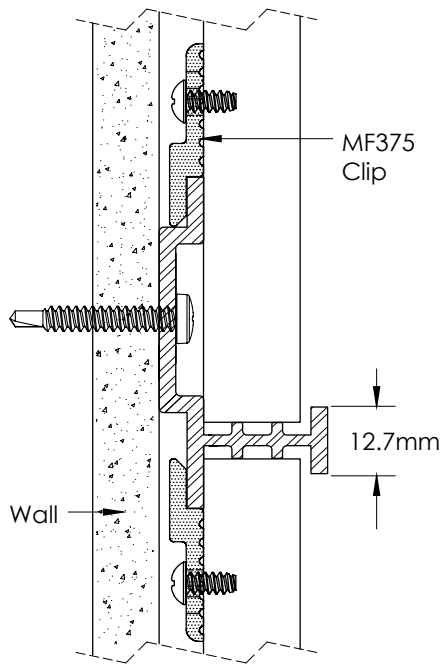


Vertical Reveal
19.05mm Panel: EPS-V075-C
9.525mm Panel: EPS-V039-C

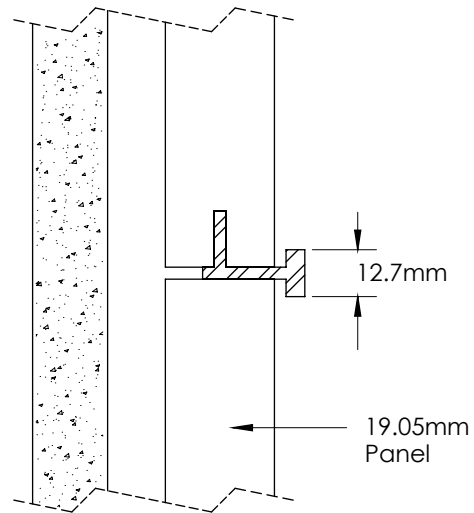
1/2" Captured



1/2" CAPTURED	
Reveal Thickness	12.7mm
Compatible Panel Thickness	19.05mm
Finishes	Clear, Custom
Standard Length	3657.6mm



Horizontal Reveal
19.05mm Panel: EPS-H075-C50

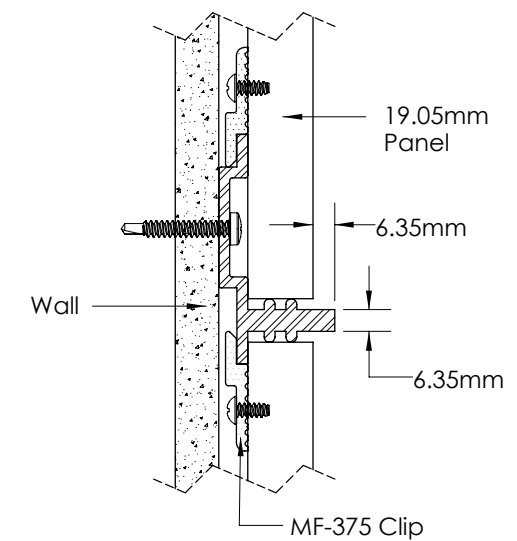


Vertical Reveal
19.05mm Panel: EPS-V075-C50

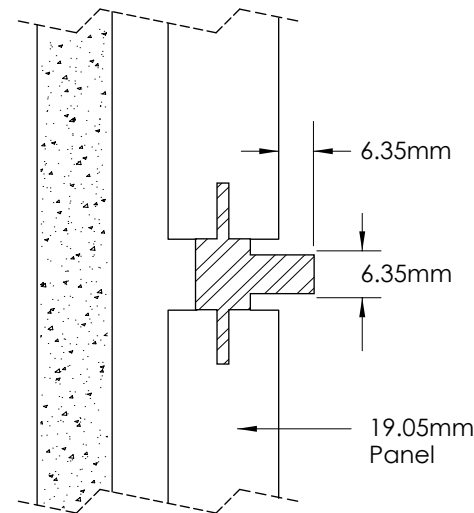
Proud Reveal



PROUD REVEAL	
Reveal Thickness	6.35mm
Compatible Panel Thickness	19.05mm
Finishes	Clear, Custom
Standard Length	3657.6mm



Horizontal Reveal
19.05mm Panel: EPS-H075-P



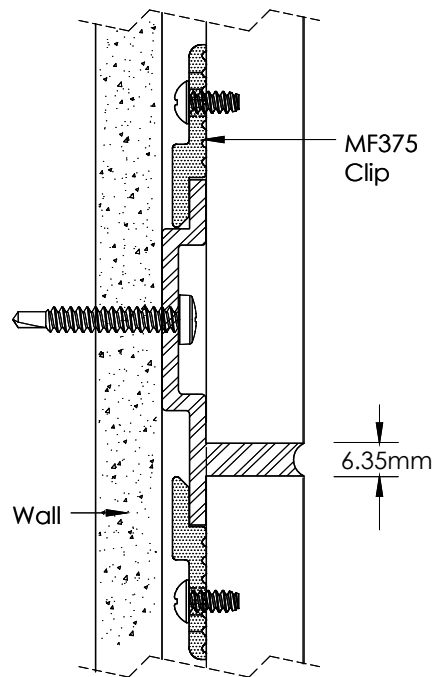
Vertical Reveal
19.05mm Panel: EPS-V075-P

Concave Reveal



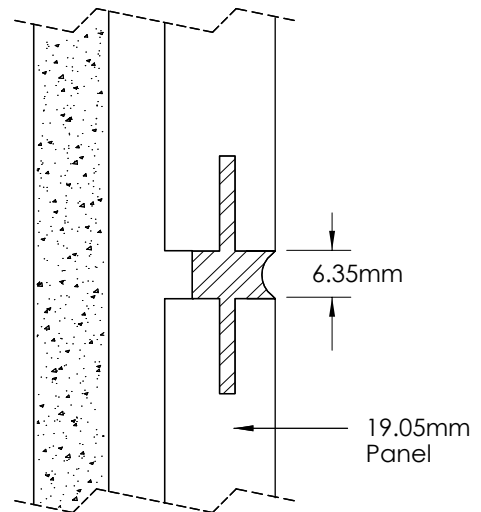
CONCAVE REVEAL	
Reveal Thickness	6.35mm
Compatible Panel Thickness	19.05mm
Finishes	Clear, Custom
Standard Length	3657.6mm

Side View



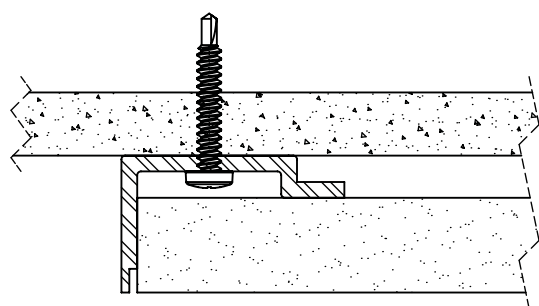
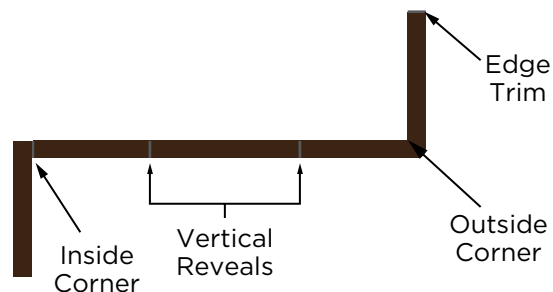
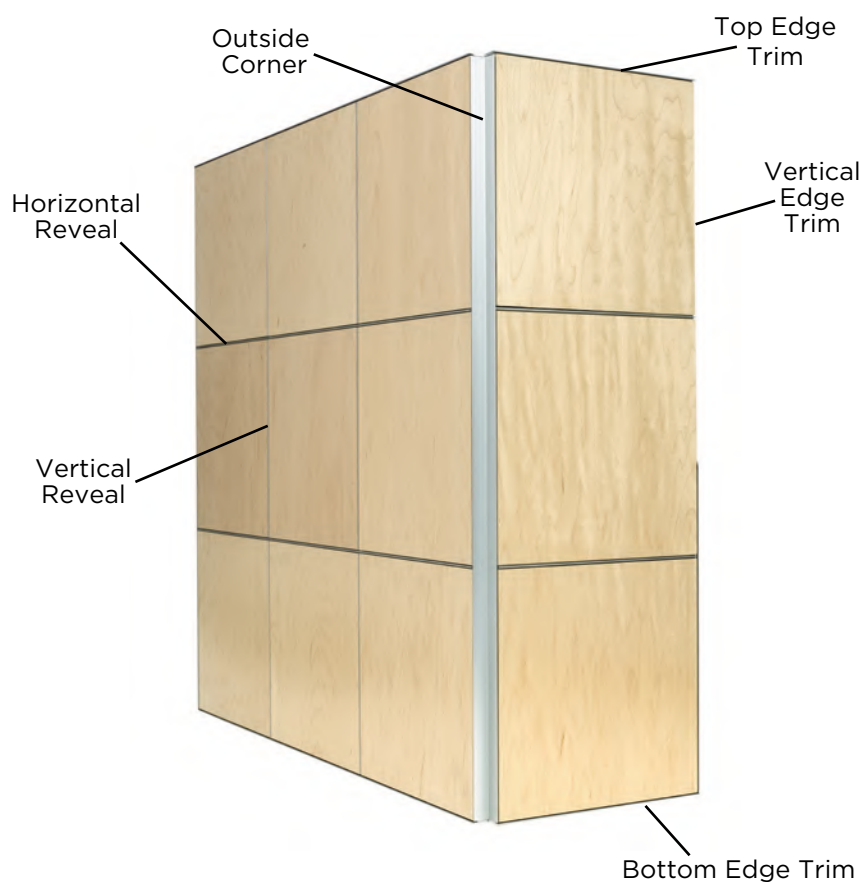
Horizontal Reveal
19.05mm Panel: EPS-H075-B

Top View

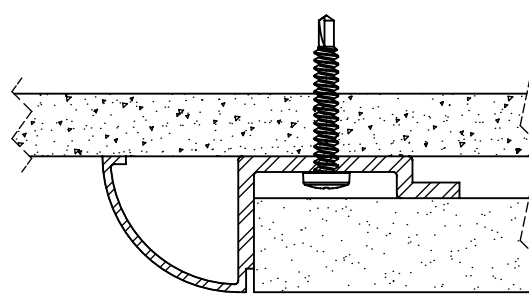


Vertical Reveal
19.05mm Panel: EPS-V075-B

Corner & Perimeter Trim Options

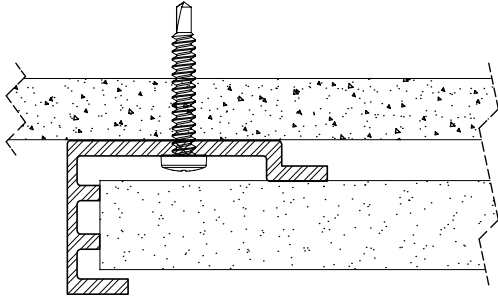


Edge Trim
19.05mm Panel: EPS-ET075-N
9.525mm Panel: EPS-ET039-N



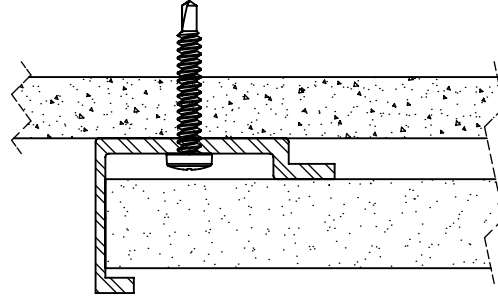
Edge Trim
19.05mm Panel: EPS-ET075-RD

Corner & Perimeter Trim Options



Edge Trim

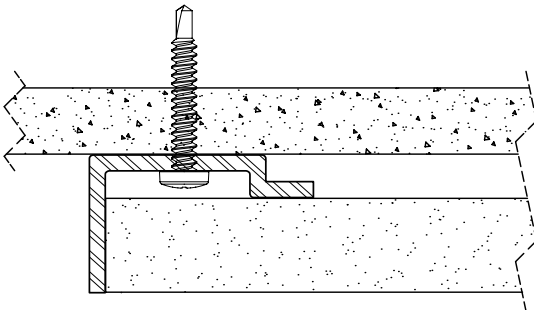
19.05mm Panel: EPS-ET075-C50



Edge Trim

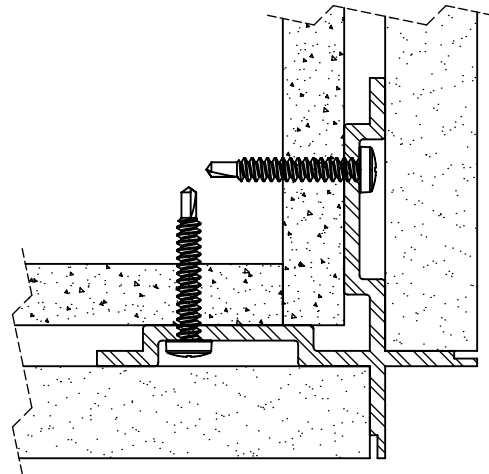
19.05mm Panel: EPS-ET075-C

9.525mm Panel: EPS-OT039-C



Edge Trim

19.05mm Panel: EPS-ET075-L

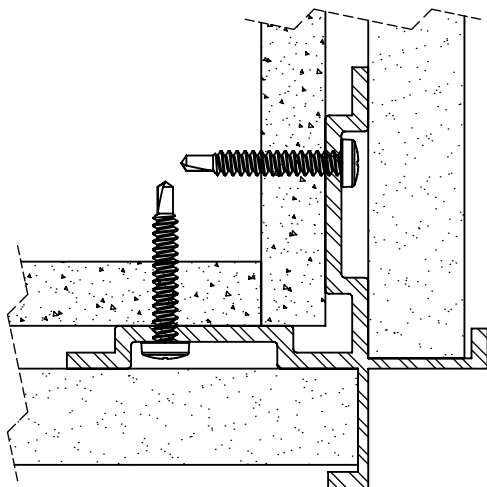


Outside Corner

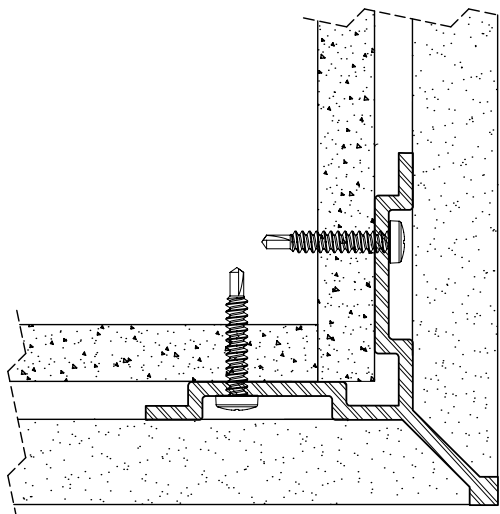
19.05mm Panel: EPS-OC075-N

9.525mm Panel: EPS-OC039-N

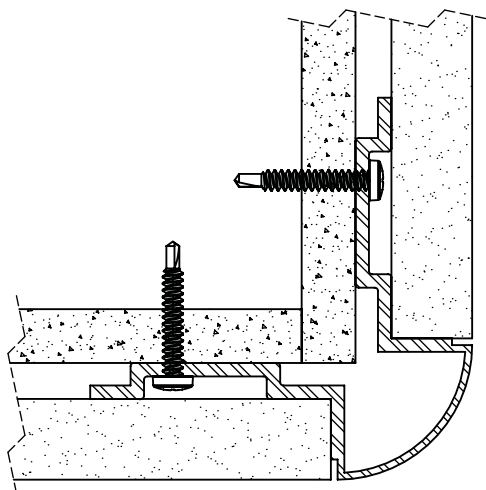
Corner & Perimeter Trim Options



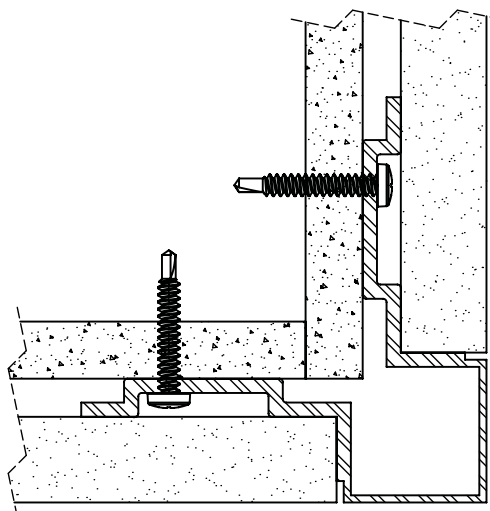
Outside Corner
19.05mm Panel: EPS-OC075-C
9.525mm Panel: EPS-OC039-C



Outside Corner
19.05mm Panel: EPS-OC075-SM

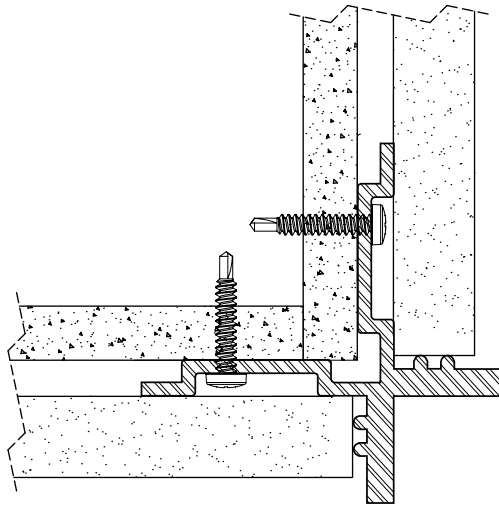


Outside Corner
19.05mm Panel: EPS-OC075-RD
9.525mm Panel: EPS-OC039-RD

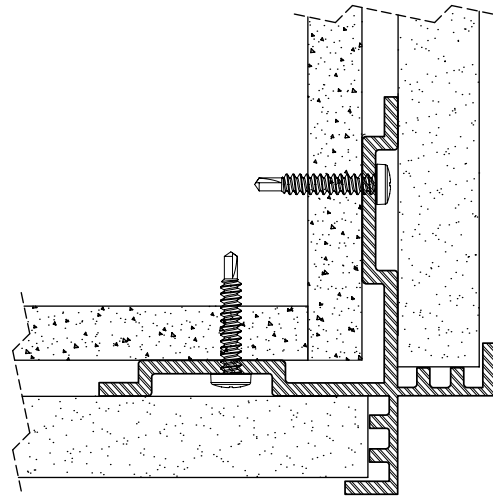


Outside Corner
19.05mm Panel: EPS-OC075-SQ

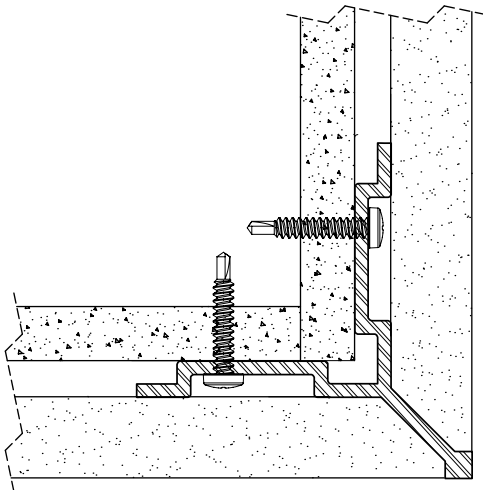
Corner & Perimeter Trim Option



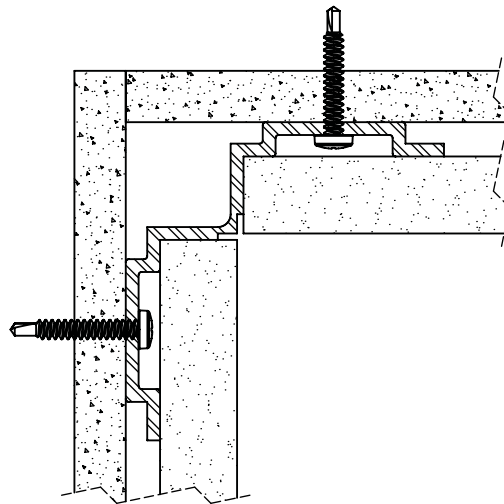
Outside Corner
19.05mm Panel: EPS-OC075-P



Outside Corner
19.05mm Panel: EPS-OC075-C50

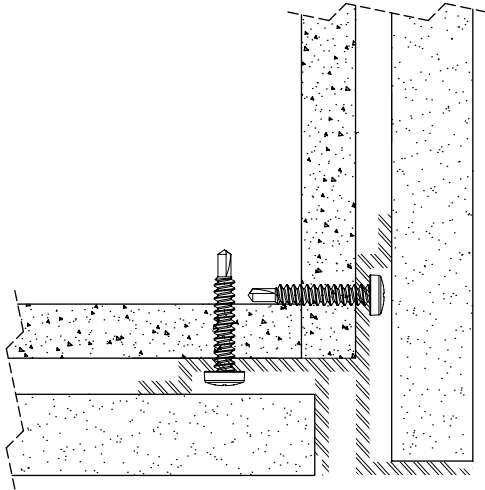


Outside Corner
19.05mm Panel: EPS-OC075-SM

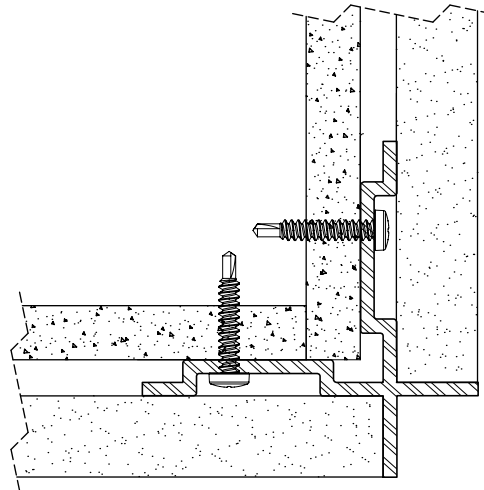


Inside Corner
19.05mm Panel: EPS-IC075-N

Corner & Perimeter Trim Option



Outside Corner
19.05mm Panel: EPS-OC075-SP25



Outside Corner
19.05mm Panel: EPS-OC075-L

Color Options

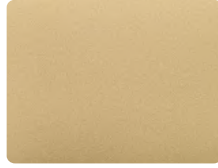
Anodized Finish Options



Clear Anodized



Black (1)



Gold (1)



Brushed
Stainless (1)



Mirror
Anodized (1)

Note: Metallic finishes are difficult to photograph. Please call for a sample.
(1) Minimum runs apply in many cases. Please call for availability & pricing.

Powder Coat Finish Options



**TIGER Drylac
RAL Essentials**
(101 Colors Options)

**TIGER RAL
Interior & Exterior**
(188 Colors Options)



**TIGER RAL
Stellix Metallic &
Anodized Effects**
(75 Colors Options)

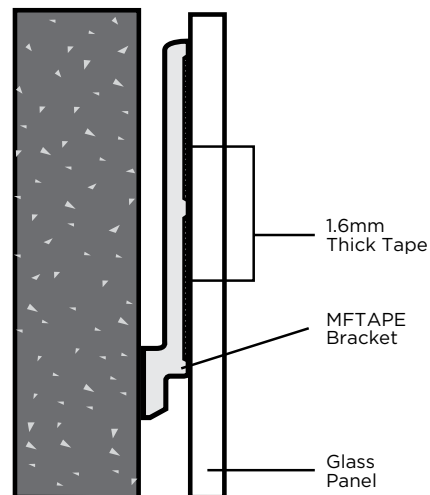


Glass Wall Panel System



Features

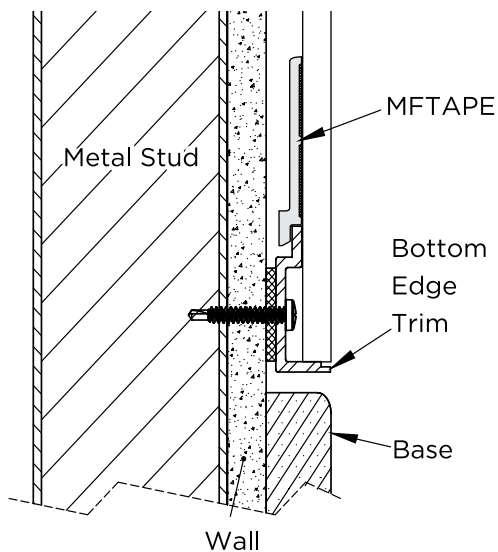
- Installs with the Easy Panel System except the Glass Panels are attached using the MFTAPE product that uses 3M VHB Tape
- All of the same reveal options as the Easy Panel System, including narrow, recessed, narrow channel and wide channel



The glass wall panels are attached using the Monarch MFTAPE System

Glass Wall Panel System

The panels then interconnect with the Easy Panel System like any other wall panel



The trim corners miter together seamlessly to create a clean frame

Panels attach using 3M VHB Tape, eliminating the need for drilling



CLADDING



Centro Cultural Ca Don José
Canals, Spain
Rainscreen façade clad with Trespa
Hector Luengo Arquitectos

Trespa Chile-TS400 Cladding System
Microsoft Building, Santiago, Chile
Photographer: Christian Barahona

HPL Phenolic System 44

Stone, Fiber Cement &
Concrete Systems 45

Stainless Steel Systems 48

HPL Plankboard Panels 51

Concealed Bracket
& Railing Options 53

HPL Phenolic Systems



CULTURAL CENTRE CA DON JOSÉ

Canals, SPAIN

RAINSOON FAÇADE CLAD WITH TRESPA

ARCHITECT: HECTOR LUENGO ARQUITECTOS

Features

- Back ventilated and drained rain screen systems
- Excellent performance and color retention in the sun and rain
- Scratch and impact resistance
- Easy maintenance

Typical Systems

Vertical Rail



Exposed Fasteners



Concealed Fasteners

Thermally Isolated Systems

Vertical Rail



Exposed Fasteners



Concealed Fasteners

Horizontal Rail



Exposed Fasteners



Concealed Fasteners

Stone Systems



Jacqueline Vito LoRusso Alumni & Visitor Center

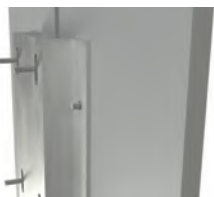
Location: Buffalo State
Cannan, Alexander & Scott
HOLT Architects
Revette Studio
Javen Construction

Features

- Concealed and exposed façade / rain screen panel installation systems
- Solutions for with stone, limestone, marble, granite, porcelain and quartz
- Systems compatible with a variety of undercut anchors (Keil, Fischer) and other solutions
- Solutions for thin veneer stone on honeycomb panels

Typical Systems

Vertical Rail



Exposed Fasteners



Concealed Fasteners

Thermally Isolated Systems

Vertical Rail



Exposed Fasteners



Concealed Fasteners

Horizontal Rail



Exposed Fasteners



Concealed Fasteners

Fiber Concrete



Location : Allston, MA
Panel Area : 686.739M²
Texture : Reeds, Rough 2, Smooth
Color : White
Architect : Shepley Bulfinch
Contractor : Pre-Fab by: NRB Inc
Installation by : Sweeney Drywall Finishes Corp
Installation : Rainscreen assembly
Fasteners : Color-matched, surface SFS Face Screws

Features

- Concealed and exposed façade / rain screen panel installation systems
- Solutions for Ultra High Performance Concrete, Glass Fiber Reinforced Concrete and other manufactured stone
- Systems compatible with a variety of undercut anchors and other solutions

TAKTL®

Typical Systems

Vertical Rail



Exposed Fasteners



Concealed Fasteners

Thermally Isolated Systems

Vertical Rail



Exposed Fasteners



Concealed Fasteners

Horizontal Rail



Exposed Fasteners



Concealed Fasteners

Fiber Cement



City Square Mortsel

Architect : Abscis Architecten
Project Year : 2014
EQUITONE [tectiva] facade material

Features

- Concealed and exposed façade / rain screen panel installation systems
- Solutions for fiber cement panel installations
- Systems compatible with a variety of fasteners including color matched exposed fasteners, concealed undercut anchors and concealed rivet type anchors

Typical Systems

Vertical Rail



Exposed Fasteners



Concealed Fasteners

Thermally Isolated Systems

Vertical Rail



Exposed Fasteners



Concealed Fasteners

Horizontal Rail



Exposed Fasteners



Concealed Fasteners

MFSTR-SSCLAD Concealed Fastener System

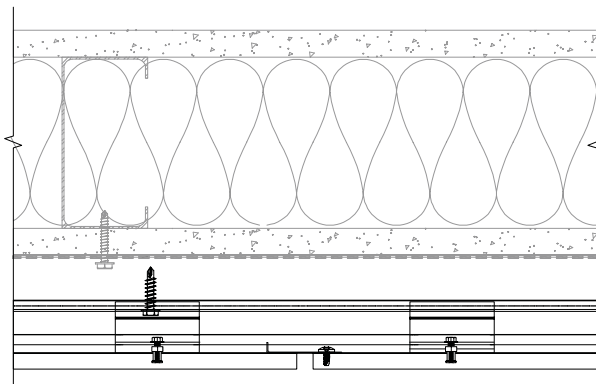
Stainless Steel Concealed Fastener Rail & Bracket

Stainless Steel -
Exclusively Available
at Monarch

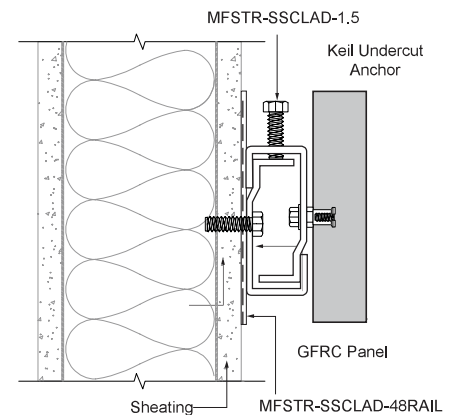
Features

- Concealed fastener mounting system
- Available in 304 and 316 stainless steel
- Rail available in lengths up to 3048mm in 3.05mm and 1.6mm stainless steel
- Clips can be drilled to accommodate various fasteners for connecting the clip to the back side of the panel, including high strength, undercut anchors
- Can be manufactured with 2 holes or 1 hole per clip
- Clips offered with a panel height adjustment mechanism
- Undercut anchors, such as the Keil Undercut anchors often have central pull fracture loads of more than 0.45359 KG/453.59 GMS* when properly installed
- Undercut anchors have been utilized with TAKTL panels; GFRP panels, high-pressure laminate, terracotta and stone

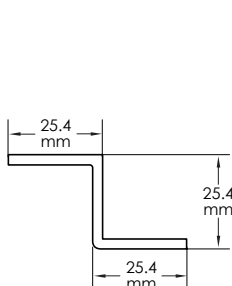
*Fracture loads vary widely depending upon the material



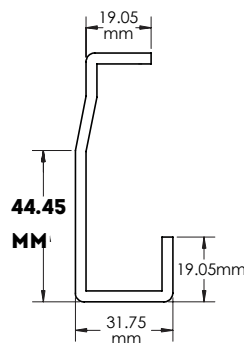
Top-down view



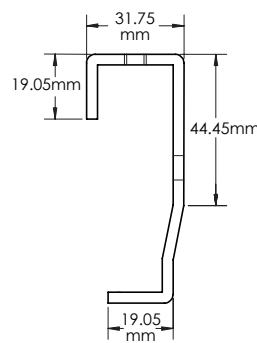
Side view



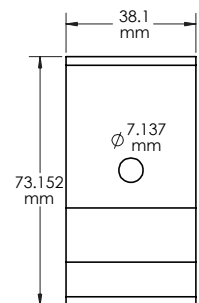
1" x 1" x 1"
Z Channel



MFSTR-SSCLAD
-120RAIL

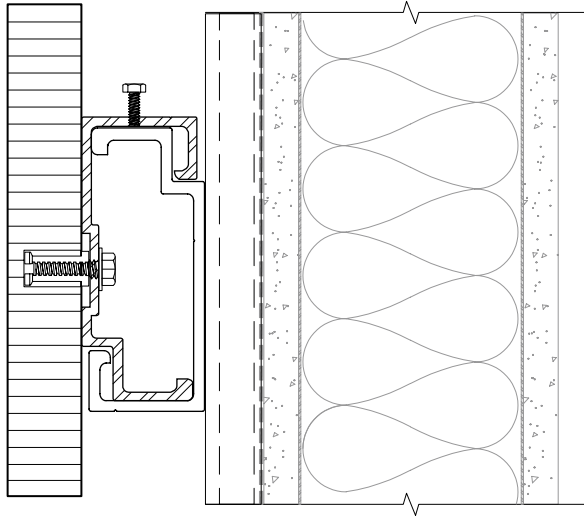


MFSTR-SSCLAD
-1.5ADJ



MFSTR-SSCLAD
-1.5ADJ

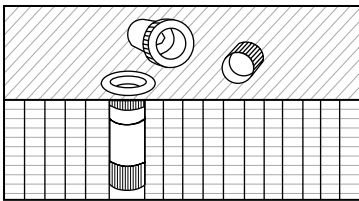
Honeycomb / Sandwich Panels with Stone Veneer



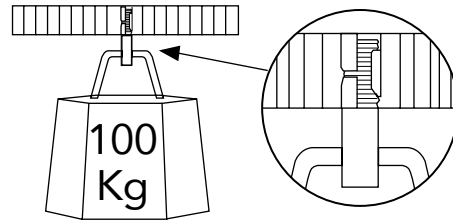
Features

- Patented fastening system to securely install honeycomb panels in ventilated rain screen applications
- Panel bracket designed so that the bracket is flush with the back of the panel
- Adjustable system from Specialinsert is suitable for any kind of material (honeycomb, foam) and thickness

High Performance for Structural Applications



Secure installation through the combination of a threaded insert ready to receive a bolt



Properly installed anchors can hold up to 100 KG

Simple, Easy Installation



Bore a cylindrical or hexagonal hole suitable for accommodating the **Deform-Nut®**



Screw the tool into the **Deform-Nut®** and execute the deformation



Insert the **Deform-Nut®** into the hole and activate with the fitting tool

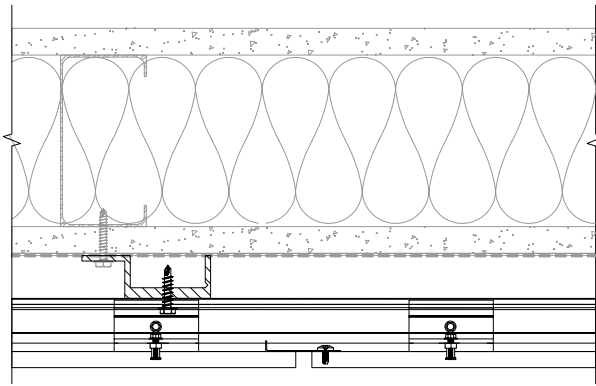


On removal of the tool the **Deform-Nut®** is ready to receive the screw

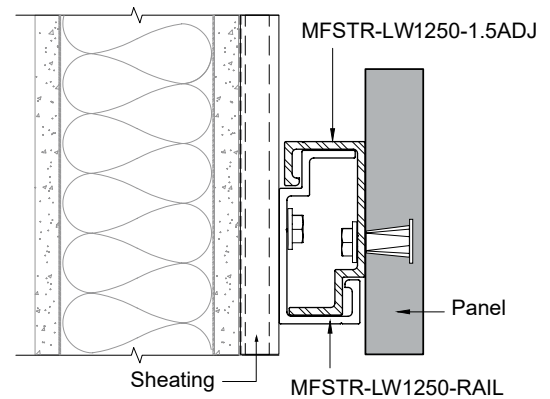
GFRC Insert System

Cast in Place Inserts for GFRC

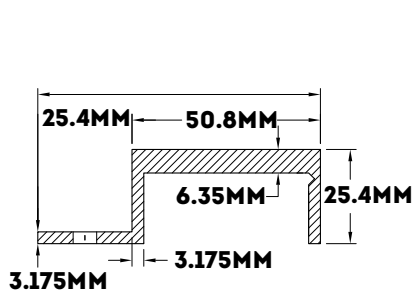
- Concealed fastener attachment system for GFRC panels in back ventilated rain screen applications with the Monarch MFSTR-LW1250 System
- Cast in place insert from various sources embedded in the GFRC panel during the casting process
- Zinc and Nylon inserts available



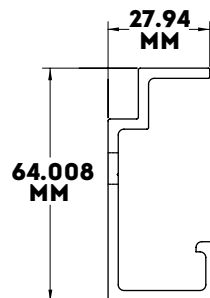
Top-down view



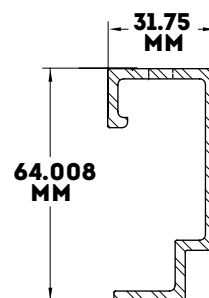
Section view



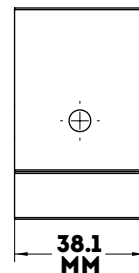
110-000 J Channel



MFSTR-LW1250-RAIL

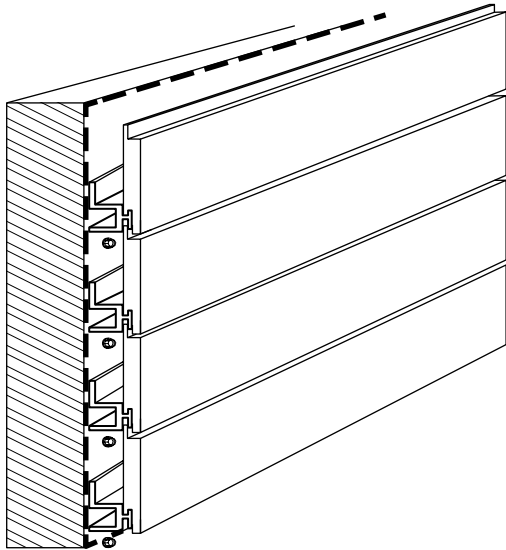


MFSTR-LW1250-1.5ADJ



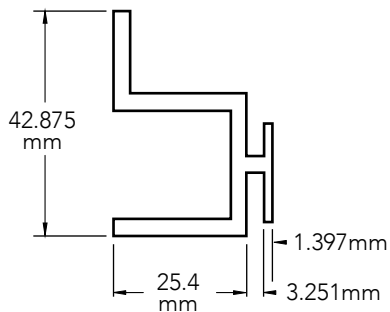
MFSTR-LW1250-1.5ADJ

HPL Plankboard Panels

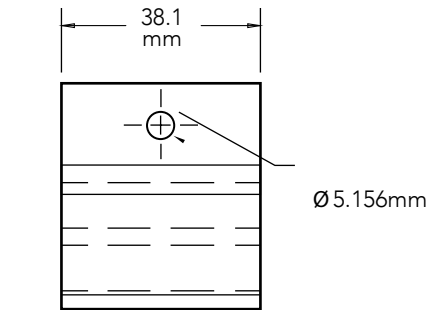


Features

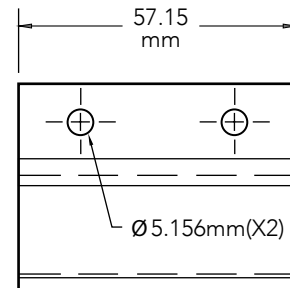
- Progressive install plankboard system designed for HPL panels but customizable to others
- 1 Inch air space behind the panel
- Vent screen and hat channel available



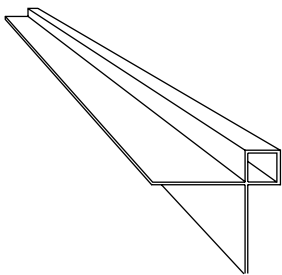
Section View



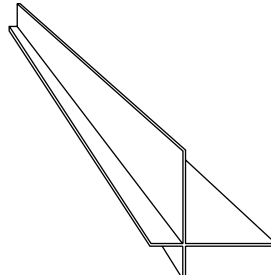
MFPLANK-PHEN-313x1.5



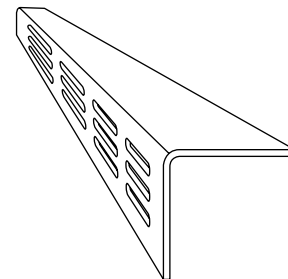
MFPLANK-PHEN-313x2.25



Outer Corner Square



Outer Corner Open



Vent Screen

Hybrid Aluminum / WHS (Wood Hybrid System)



Office in Andrimont, Louvers, Belgium

Architect: Beck Architect
Teak, Iroko Color

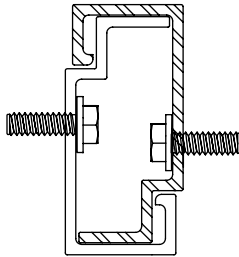
Features

- Geolam is manufactured in Japan and has been available in North America market for the past nine years.
- Zero Color-fade - What you see today, is what you will see in 30 years.
- Zero moisture - without moisture in the boards the mold and mildew cannot grow.
- Zero maintenance - no need to seal cut ends at installation, no follow-up maintenance needed. Stains can be removed with light sanding.
- 10-year non-prorated warranty



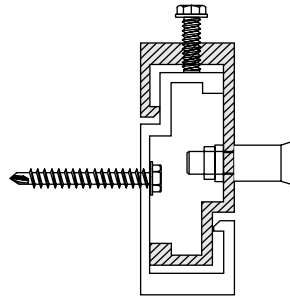
Geolam
Architectural Eco-Technology

Concealed Bracket & Railing Options



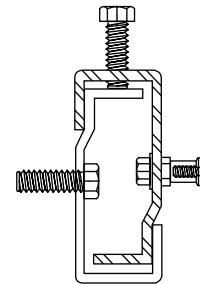
Undercut Anchor Rail & Brackets (Fischer)
MFSTR-LW1250

For concealed anchor installations using Fischer Undercut Anchor



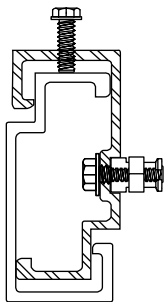
Heavy Duty Rail & Bracket
MFSTR-1125

For concealed anchor façade panel installations



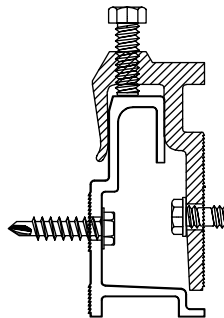
Stainless Steel Rail & Bracket
MFSTR-SSXHD

For concealed anchor façade panel installations in hostile conditions



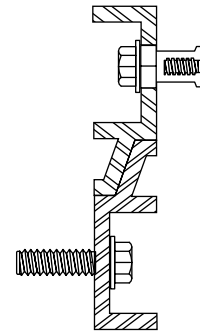
Undercut Anchor Rail & Brackets (Keil)
MFSTR-UCRAIL

For concealed anchor installations using Keil Undercut Anchors



Rail & Bracket for HPL Phenolic Panels
200-000-RAIL

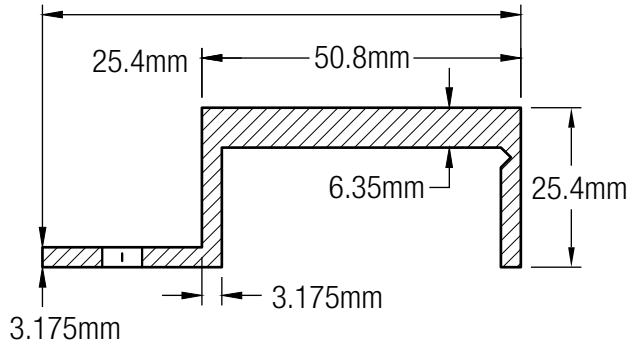
Concealed anchor installations for HPL Phenolic Panels



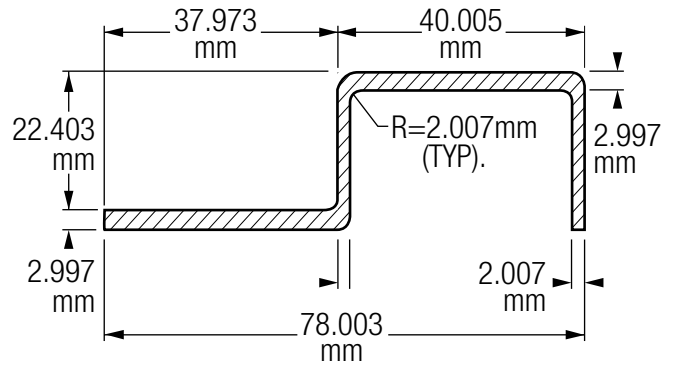
12.7mm Projection Keil Anchor System
MFSTR-050

Concealed fastener rail and bracket for Keil Anchors with a 12.7mm Projection

Stock J Channel



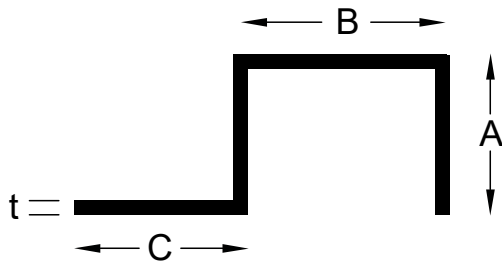
110-000 J Channel



FMAX-J-144-BK

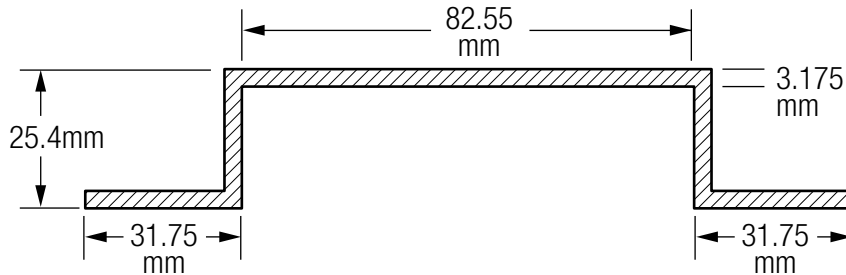
Made to Order (Custom)

- Wide range of possible sizes
- Choice of alloys
- Choice of mill, painted or powder coated finishes
- Choice of lengths



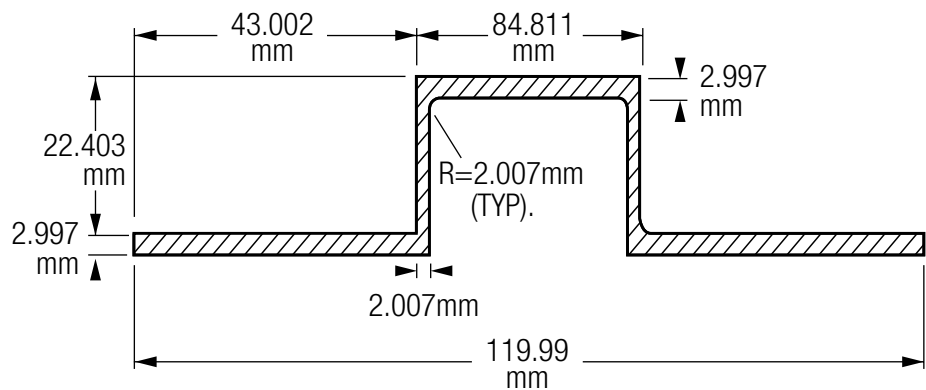
A	B	C	t
12.7mm	25.4mm	25.4mm	3.175mm
	38.1mm	25.4mm	3.175mm
	50.8mm	25.4mm	3.175mm
19.05mm	25.4mm	25.4mm	3.175mm
	38.1mm	25.4mm	3.175mm
	50.8mm	25.4mm	3.175mm
25.4mm	25.4mm	25.4mm	3.175mm
	38.1mm	25.4mm	3.175mm
	50.8mm	25.4mm	3.175mm

Hat Channel



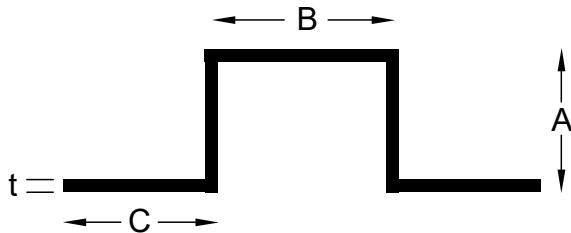
110-001 Hat Channel

FMAX-HAT-144-BK



Made to Order (Custom)

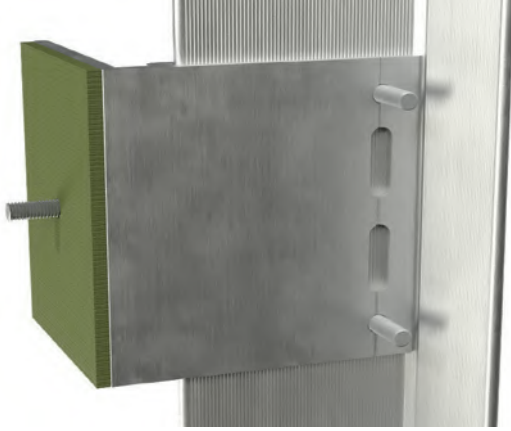
- Wide range of possible sizes
- Choice of alloys
- Choice of mill, painted or powder coated finishes
- Choice of lengths



A	B	C	t
12.7mm	25.4mm	25.4mm	3.175mm
	38.1mm	25.4mm	3.175mm
	50.8mm	25.4mm	3.175mm
19.05mm	25.4mm	25.4mm	3.175mm
	38.1mm	25.4mm	3.175mm
	50.8mm	25.4mm	3.175mm
25.4mm	25.4mm	25.4mm	3.175mm
	38.1mm	25.4mm	3.175mm
	50.8mm	25.4mm	3.175mm

Wall Bracket - Vertical Rails

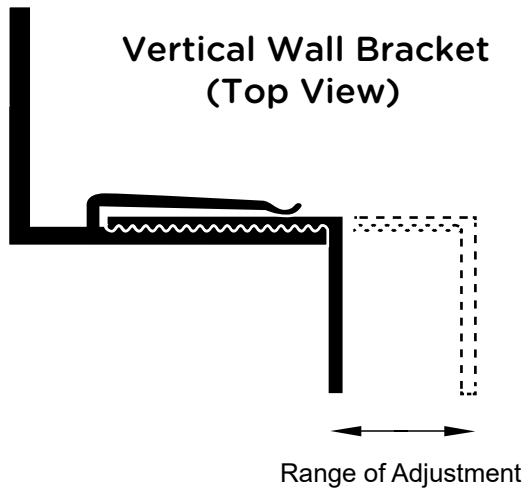
Thermally Isolated Wall Brackets - Vertical Rails



Features

- Available punched for metal stud or concrete wall substrate
- 38.1mm Adjustment Range to Shim the Rail for Plumbness
- Range of stock sizes available in addition to custom sizes not listed here
- Pairing L Rail or T Rail in Black

Part Name	Projection	Adjustable Min	Adjustable Max	Wall Substrate
VWB-02	50.8mm	50.8mm	76.2mm	Metal Stud, Concrete
VWB-03	76.2mm	76.2mm	114.3mm	Metal Stud, Concrete
VWB-04	101.6mm	101.6mm	139.7mm	Metal Stud, Concrete
VWB-05	127mm	127mm	167.64mm	Metal Stud, Concrete



Wall Bracket - Horizontal Rails

Thermally Isolated Wall Brackets - Horizontal Rails

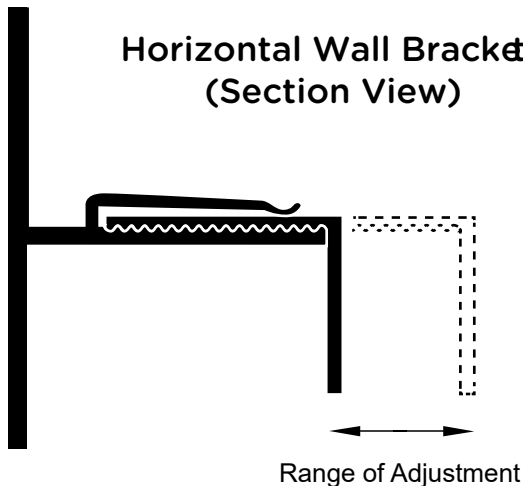


Features

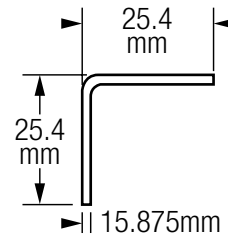
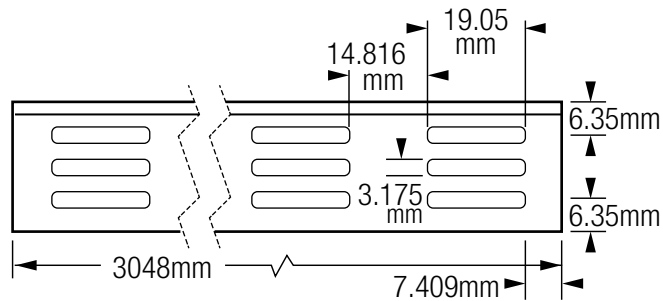
- Available punched for metal stud or concrete wall substrate
- 38.1mm Adjustment Range to Shim the Rail for Plumbness
- Range of stock sizes available in addition to custom sizes not listed here
- Pairing L Rail or T Rail in Black

Part Name	Projection	Adjustable Min	Adjustable Max	Wall Substrate
HWB-02	50.8mm	50.8mm	76.2mm	Metal Stud, Concrete
HWB-03	76.2mm	76.2mm	114.3mm	Metal Stud, Concrete
HWB-04	101.6mm	101.6mm	139.7mm	Metal Stud, Concrete
HWB-05	127mm	127mm	167.64mm	Metal Stud, Concrete

Horizontal Wall Bracket
(Section View)

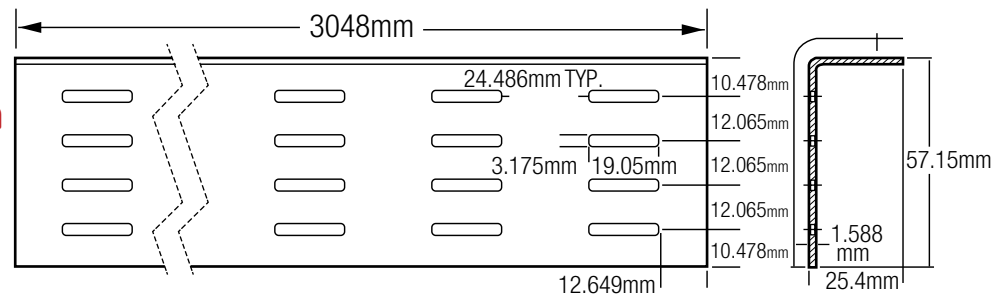


Stock Vent Screen



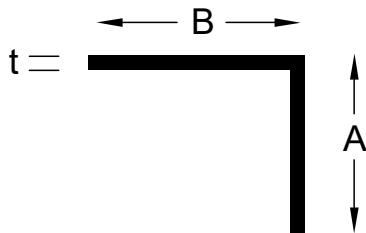
**110-002 25.4mm
Vent Screen**

**210-001 57.15mm
Vent Screen**



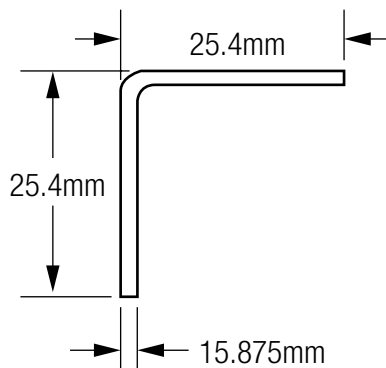
Made to Order (Custom)

- Wide range of possible sizes
- Choice of mill, painted or powder coated finishes
- Choice of lengths
- Allows for air flow behind rain screen panels when necessary

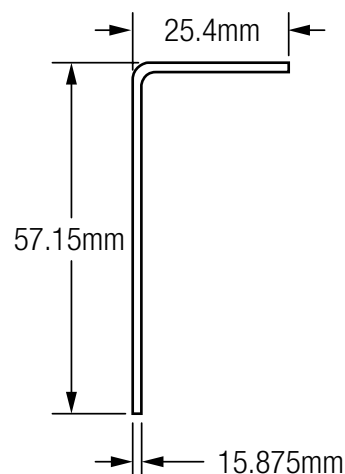


A	B	t
12.7mm	25.4mm	1.6mm
44.45mm	25.4mm	1.6mm
25.4mm	25.4mm	1.6mm
31.75mm	25.4mm	1.6mm
39.37mm	25.4mm	1.6mm
44.45mm	25.4mm	1.6mm
50.8mm	25.4mm	1.6mm
57.15mm	25.4mm	1.6mm
63.5mm	25.4mm	1.6mm
69.85mm	25.4mm	1.6mm
76.2mm	25.4mm	1.6mm
82.55mm	25.4mm	1.6mm
88.9mm	25.4mm	1.6mm
95.25mm	25.4mm	1.6mm
101.6mm	25.4mm	1.6mm

Stock System Closure



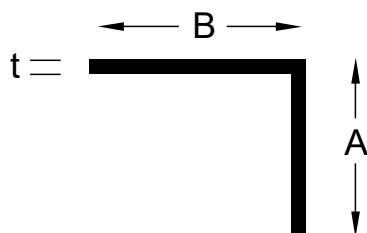
000-003 25.4mm System Closure



210-000 57.150mm System Closure

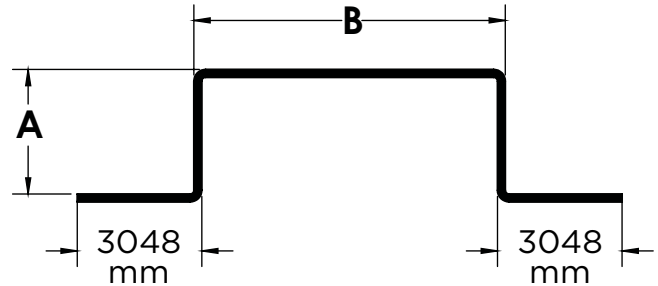
Made to Order (Custom)

- Wide range of possible sizes
- Choice of mill, painted or powder coated finishes
- Choice of lengths
- For closing drained and black ventilated rain screen systems without air flow



A	B	t
12.700	25.4mm	1.6mm
19.050	25.4mm	1.6mm
25.400	25.4mm	1.6mm
31.750	25.4mm	1.6mm
39.370	25.4mm	1.6mm
44.450	25.4mm	1.6mm
50.800	25.4mm	1.6mm
57.150	25.4mm	1.6mm
63.500	25.4mm	1.6mm
69.850	25.4mm	1.6mm
76.200	25.4mm	1.6mm
82.550	25.4mm	1.6mm
88.900	25.4mm	1.6mm
95.250	25.4mm	1.6mm
101.600	25.4mm	1.6mm

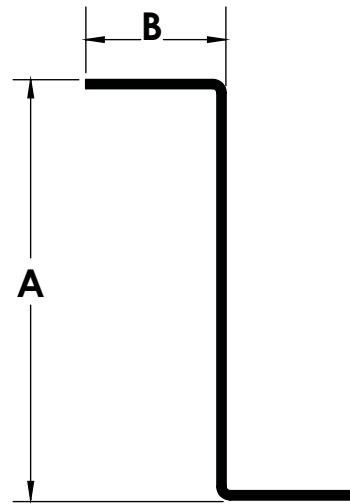
Hat Channel (Vented & Non-Vented)



Material : **Galvanized Steel, Aluminum, & Stainless Steel**
 Type : Fabricated from Sheet
 Std Lengths : 3048 mm
 Custom : Custom sizes available, available with ventilation holes or without

DIMENSION A	DIMENSION B	THICKNESS t
12.7mm	63.5mm	1.6mm or 1.295mm
	101.6mm	1.6mm or 1.295mm
25.4mm	63.5mm	1.6mm or 1.295mm
	101.6mm	1.6mm or 1.295mm
38.1mm	63.5mm	1.6mm or 1.295mm
	101.6mm	1.6mm or 1.295mm
50.8mm	63.5mm	1.6mm or 1.295mm
	101.6mm	1.6mm or 1.295mm

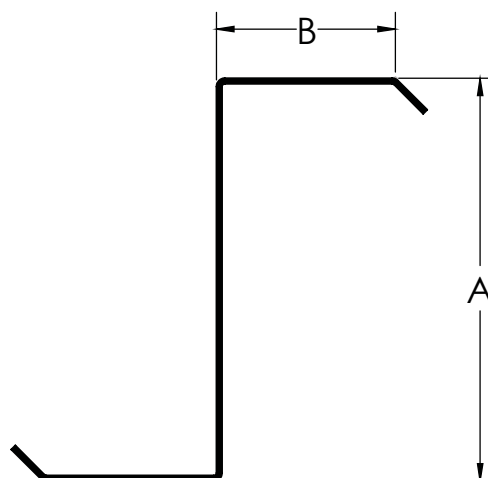
Z Girts (Vented & Non-Vented)



Material : **Galvanized Steel, Aluminum, & Stainless Steel**
 Type : Fabricated from Sheet
 Std Lengths : 3048 mm
 Custom : Custom sizes available, available with ventilation holes or without

DIMENSION A	DIMENSION B	THICKNESS t
12.7mm	25.4mm	1.6mm or 1.295mm
25.4mm	25.4mm	1.6mm or 1.295mm
38.1mm	25.4mm	1.6mm or 1.295mm
50.8mm	25.4mm	1.6mm or 1.295mm
63.5mm	25.4mm	1.6mm or 1.295mm
76.2mm	25.4mm	1.6mm or 1.295mm
88.9mm	25.4mm	1.6mm or 1.295mm
101.6mm	25.4mm	1.6mm or 1.295mm
114.3mm	25.4mm	1.6mm or 1.295mm
127mm	25.4mm	1.6mm or 1.295mm
139.7mm	25.4mm	1.6mm or 1.295mm
152.4mm	25.4mm	1.6mm or 1.295mm
12.7mm	25.4mm	1.6mm or 1.295mm
25.4mm	25.4mm	1.6mm or 1.295mm
38.1mm	25.4mm	1.6mm or 1.295mm
50.8mm	25.4mm	1.6mm or 1.295mm
63.5mm	25.4mm	1.6mm or 1.295mm
76.2mm	25.4mm	1.6mm or 1.295mm
88.9mm	25.4mm	1.6mm or 1.295mm
101.6mm	25.4mm	1.6mm or 1.295mm
114.3mm	25.4mm	1.6mm or 1.295mm
127mm	25.4mm	1.6mm or 1.295mm
139.7mm	25.4mm	1.6mm or 1.295mm
152.4mm	25.4mm	1.6mm or 1.295mm

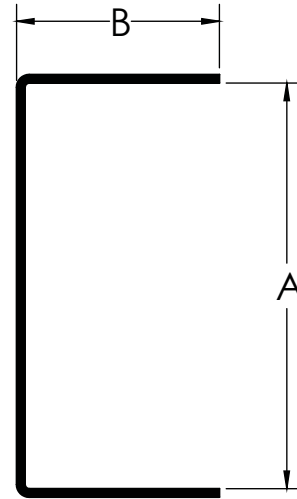
Z Girts with Lip (Vented & Non-Vented)



Material : **Galvanized Steel, Aluminum, & Stainless Steel**
 Type : Fabricated from Sheet
 Std Lengths : 3048mm
 Custom : Custom sizes available, available with ventilation holes or without

DIMENSION A	DIMENSION B	THICKNESS t
63.5mm	50.8mm	1.6mm or 1.295mm
76.2mm	50.8mm	1.6mm or 1.295mm
88.9mm	50.8mm	1.6mm or 1.295mm
101.6mm	50.8mm	1.6mm or 1.295mm
114.3mm	50.8mm	1.6mm or 1.295mm
127mm	50.8mm	1.6mm or 1.295mm
139.7mm	50.8mm	1.6mm or 1.295mm
152.4mm	50.8mm	1.6mm or 1.295mm
165.1mm	50.8mm	1.6mm or 1.295mm
177.8mm	50.8mm	1.6mm or 1.295mm
190.5mm	50.8mm	1.6mm or 1.295mm
203.2mm	50.8mm	1.6mm or 1.295mm
63.5mm	63.5mm	1.6mm or 1.295mm
76.2mm	63.5mm	1.6mm or 1.295mm
88.9mm	63.5mm	1.6mm or 1.295mm
101.6mm	63.5mm	1.6mm or 1.295mm
114.3mm	63.5mm	1.6mm or 1.295mm
127mm	63.5mm	1.6mm or 1.295mm
139.7mm	63.5mm	1.6mm or 1.295mm
152.4mm	63.5mm	1.6mm or 1.295mm
165.1mm	63.5mm	1.6mm or 1.295mm
177.8mm	63.5mm	1.6mm or 1.295mm
190.5mm	63.5mm	1.6mm or 1.295mm
203.2mm	63.5mm	1.6mm or 1.295mm

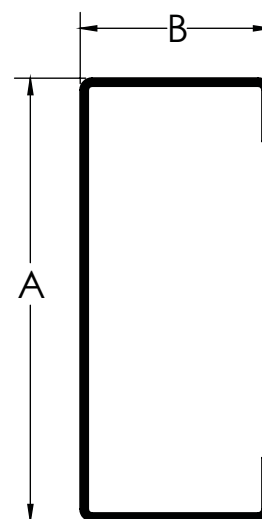
C Channel (Vented & Non-Vented)



Material : **Galvanized Steel, Aluminum, & Stainless Steel**
 Type : Fabricated from Sheet
 Std Lengths : 3048 mm
 Custom : Custom sizes available, available with ventilation holes or without

DIMENSION A	DIMENSION B	THICKNESS t
76.2mm	38.1mm	1.6mm or 1.295mm
88.9mm	38.1mm	1.6mm or 1.295mm
101.6mm	38.1mm	1.6mm or 1.295mm
114.3mm	38.1mm	1.6mm or 1.295mm
127mm	38.1mm	1.6mm or 1.295mm
139.7mm	38.1mm	1.6mm or 1.295mm
152.4mm	38.1mm	1.6mm or 1.295mm
76.2mm	50.8mm	1.6mm or 1.295mm
88.9mm	50.8mm	1.6mm or 1.295mm
101.6mm	50.8mm	1.6mm or 1.295mm
114.3mm	50.8mm	1.6mm or 1.295mm
127mm	50.8mm	1.6mm or 1.295mm
139.7mm	50.8mm	1.6mm or 1.295mm
152.4mm	50.8mm	1.6mm or 1.295mm

C Channel with Lip (Vented & Non-Vented)



Material : **Galvanized Steel, Aluminum, & Stainless Steel**
 Type : Fabricated from Sheet
 Std Lengths : 3048 mm
 Custom : Custom sizes available, available with ventilation holes or without

DIMENSION A	DIMENSION B	THICKNESS t
76.2mm	38.1mm	1.6mm or 1.295mm
88.9mm	38.1mm	1.6mm or 1.295mm
101.6mm	38.1mm	1.6mm or 1.295mm
114.3mm	38.1mm	1.6mm or 1.295mm
127mm	38.1mm	1.6mm or 1.295mm
139.7mm	38.1mm	1.6mm or 1.295mm
152.4mm	38.1mm	1.6mm or 1.295mm
76.2mm	50.8mm	1.6mm or 1.295mm
88.9mm	50.8mm	1.6mm or 1.295mm
101.6mm	50.8mm	1.6mm or 1.295mm
114.3mm	50.8mm	1.6mm or 1.295mm
127mm	50.8mm	1.6mm or 1.295mm
139.7mm	50.8mm	1.6mm or 1.295mm
152.4mm	50.8mm	1.6mm or 1.295mm