

# Rockfon<sup>®</sup> Infinity<sup>™</sup>

## Perimeter Trim

### Interior Installation Guide



Project – Madison Area Technical College, Madison, WI, USA  
Product – Rockfon<sup>®</sup> Infinity<sup>™</sup>

## Introduction

Rockfon® Infinity™ is an excellent choice for finishing off the perimeters of your ceiling installation or for creating free-floating acoustical islands or clouds. Pair Rockfon Infinity with Chicago Metallic™ suspension systems or Rockfon metal ceilings to create unique visuals or smooth aesthetics. Rockfon Infinity is extruded aluminum, creating a sturdy, smooth, corrosion-resistant perimeter solution. Infinity is available in straight 12' sections or as fully engineered factory cut solutions made to your specifications. Engineered solutions come complete with shop drawings and individually marked sections ready to assemble once it arrives at the job site. Each straight 12' section comes with 6 grid attachment clips (430.00), and straight splice clips (414.00) for each end. Corner clips must be ordered separately. Regardless of which solution is chosen, use care when handling the sections to prevent damage to the finished surfaces.

## Components



Infinity



Infinity D



Infinity R



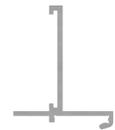
Infinity Z Razor



Infinity CDX



Infinity CDX Razor



Infinity Transition



Straight Splice  
414.00



Inside Corner Splice  
417.00



Outside Corner Splice  
429.00



Grid Attachment Clip  
430.00



Horizontal Splice  
447.00



Attachment Clip for  
Planostile Snap-in  
448.00



Plank Attachment Clip



Paired Infinity Clip  
446.36.00, 446.46.00



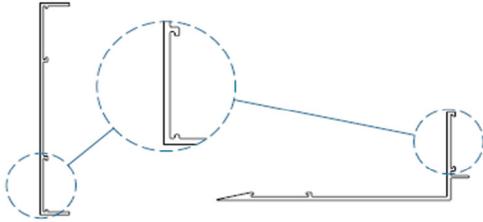
Planar Attachment Clip



Paired Infinity End Cap

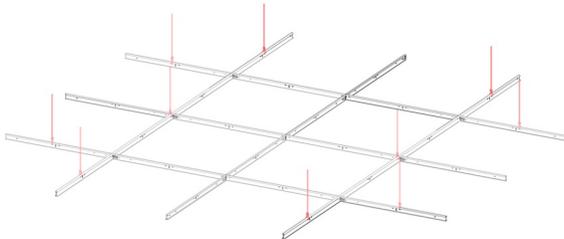
## About Infinity Perimeter Trim

All Infinity is manufactured from durable extruded aluminium. The design of the profiles includes a continuous double groove feature that allows for universal Rockfon clips, brackets and accessories. 2" profiles and razor profiles have one set of vertical grooves, whereas 4" and greater profiles have 2 to 3 sets of grooves. The straight splice plates, corner bracket and grid connector brackets all attach to these same grooves. Razor profiles include a similar horizontal feature for connecting the corners to insure a crisp clean corner on the long horizontal face.



## Install Ceiling Suspension

Infinity integrates with all suspension systems. Install all suspension per ASTM C636 and local building codes. Additional hanger wires are required to support cantilevered grid. These hangers should be within 12" of perimeter. This includes both the cross tees and the main runners. A typical acoustical island layout is shown below for an 8' x 8' installation.



*Note: Main runners are from bottom left to upper right at 4' o. c.*

## Cutting Infinity

Cutting Infinity is easy with a miter saw with an appropriate metal cutting blade. Use all appropriate personal protective equipment, as well as all appropriate safety precautions. Place the Infinity firmly against the saw's back stop. Once the blade is at full speed, slowly cut the component. Pushing the saw too quickly will result in sharp edges and poor cut quality.



*Note: Maintaining a sharp blade is crucial to clean cuts. Be cautious of the cut edges as burrs and cuts are extremely sharp.*

## Confirm the Quantity of Accessory Clips Needed

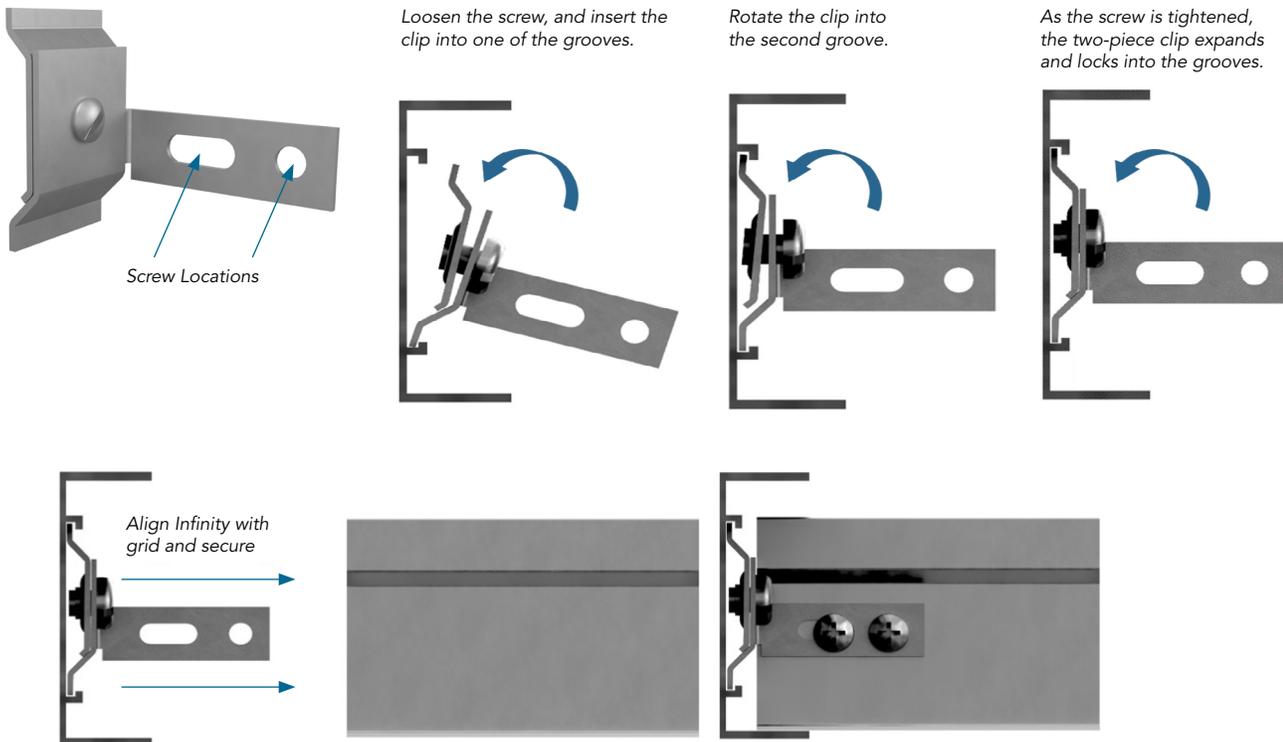
Verify that you have all of the clips needed for installation. The following chart lists the number of clips needed per 12' length of Infinity, and the corner clips needed per corner.

Accessory	Catalog Number	Infinity Trim Height						
		2"	4"	6"	8"	10"	12"	"Z" Razor
<b>Grid Clips</b>	430.00	6	6	6	6	6	6	6
<b>Straight Splice</b>	414.00	1	2	2	2	3	3	1
<b>Corner Splice*</b>	417.00 - Inside	1	2	2	2	3	3	1
	429.00 - Outside	1	2	2	2	3	3	1
<b>Horizontal Splice*</b>	447.00	0	0	0	0	0	0	1

\* Per Corner

## Installation of 430.00 Grid Clips

The 430.00 grid attachment clip is a universal clip that integrates with the double groove features. The design allows for the grid attachment clips to be inserted anywhere along the length of the Infinity, positioned, then tightened. The two-piece design of the clip works by expanding as the screw is tightened. The clip then locks into the groove of the Infinity profile. To adjust the clip, loosen the screw, reposition the clip, and re-tighten the screw. The two holes on the tab are for attaching the grid components. Best practice is to drive a screw into the oval slot first, this allows for minor adjustments by loosening the screw and sliding the grid. Once the position is finalized drive a screw through the round hole into the web of the arid, locking the position.



Align the Infinity with the suspension components, setting the clip at the proper height for the ceiling tile. Once aligned, secure the Infinity assembly to the suspension system using 2 self-tapping screws.

## Corner Clips and Splice Plates

Joining sections of Infinity or creating corners is easy utilizing the proper corner clip. The corner clips slide into the groove feature on the Infinity Trim, and are secured in place with pre-attached set screws. Do not over tighten the set screws; doing so will result in distortion of the outside finished surface of the trim. The corner clips require properly mitered sections of Infinity. Corner clips can also be utilized when terminating Infinity at walls. Remove the set screw and utilize this hole along with the second hole to secure to the wall.

Note: 4" - 8" needs 2 clips per corner. 10" - 12" needs 3 clips per corner.



Straight Splice  
414.00



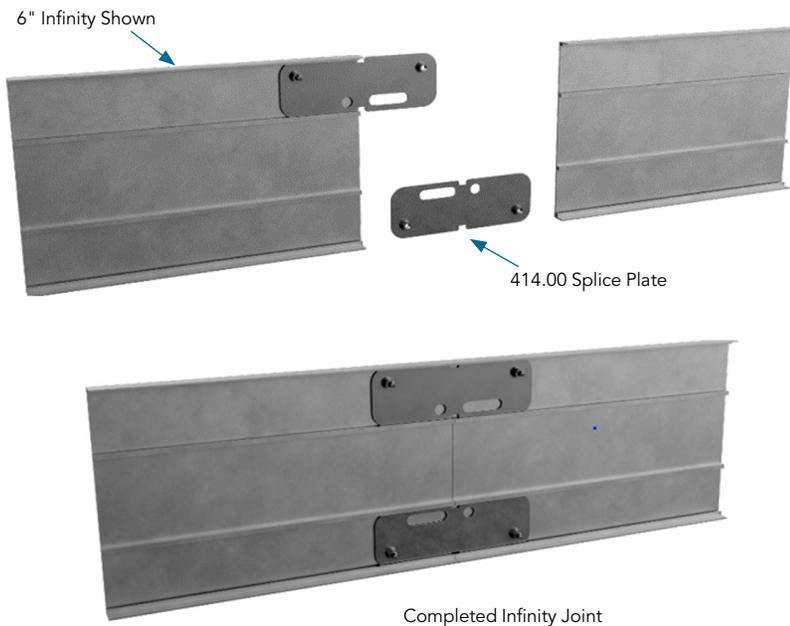
Inside Corner Clip  
417.00



Outside Corner Clip  
429.00

## Installing the 414.00 Straight Splice

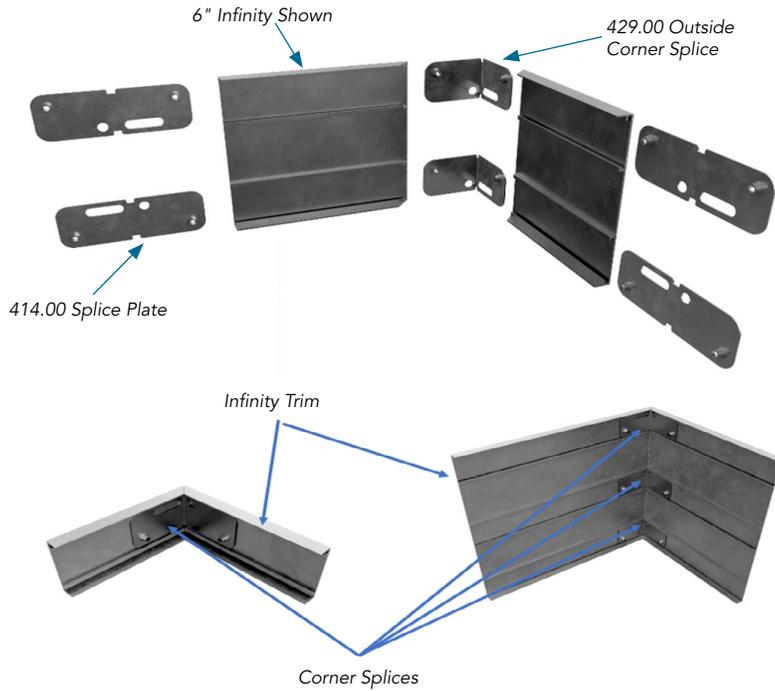
Slide the first end of the clip into one half of the joint, centering the clip at the joint. Tighten the screw on the first half of the panel. Repeat this process, installing all necessary clips. Slide the mating sections of the Infinity together. Tighten the remaining set screws. Do not over tighten the set screws, as it may damage the Infinity.



**Important note:** Infinity splice locations need to be located between the grid suspension members, as the 430.00 Grid Clip and the 414.00 Splice Plates cannot be installed in the same area along the Infinity Perimeter trim.

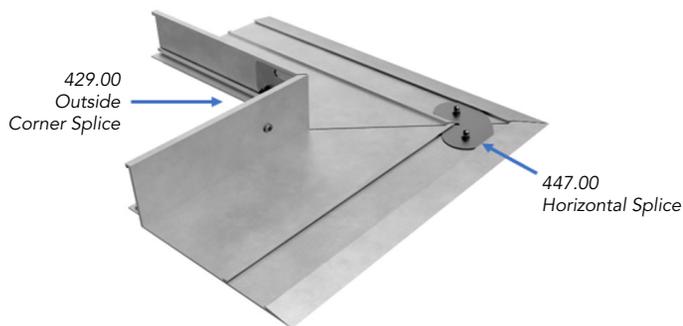
## Corner Kit Assembly

To assist installing contractors, Rockfon offers 90 degree inside and outside corner kits for Standard Infinity profiles. Kits include 2 pieces of pre-mitered Infinity in 12" length, corner clips, and straight splices. The use of corner kits allow the contractor to make only straight cuts in the field, minimizing errors and reducing scrap.



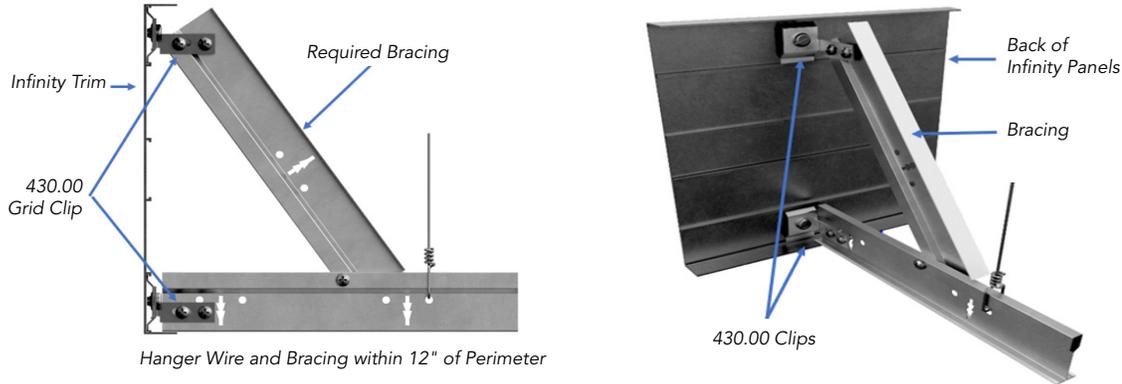
## Infinity Z Razor Edge Corner Splices

To align the corners of the Infinity Z Razor Edge trim, one corner splice and one 447.00 Horizontal Splice must be used. The corner clip is installed on the inside groove, with the 447.00 clip used to splice the 6" flange.



## Bracing Tall Profiles

For profiles 8" and taller, it is recommended to brace the profile utilizing sections of grid and additional 430.00 clips. The brace is created by attaching a short section of inverted grid between the upper groove feature and the grid profile as shown below. All grid components must have a hanging wire within 12" of the Infinity profile.

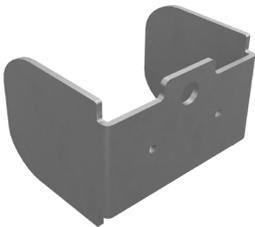


## Paired Infinity

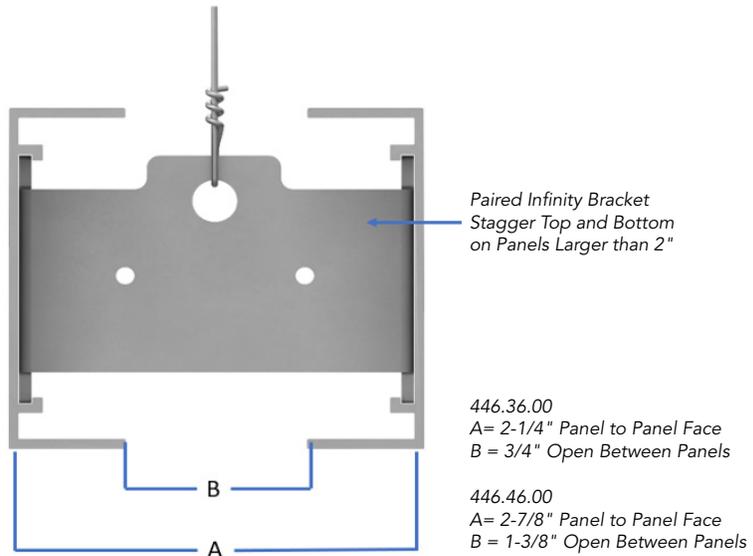
Creating a dramatic look with paired Infinity is simple utilizing 446.36.00 or 446.46.00, based on the opening size needed. Clips need to be placed every 2' along the Infinity, alternating top and bottom. Hanger wires need to be installed 4' on-center, with wires near the ends of a linear pair (2' or less).



446.36.00 Paired Infinity Clip for 3/4" Opening Between Panels

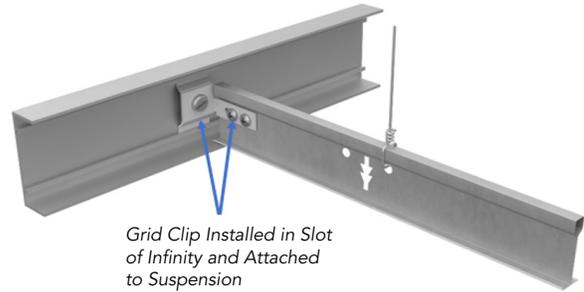
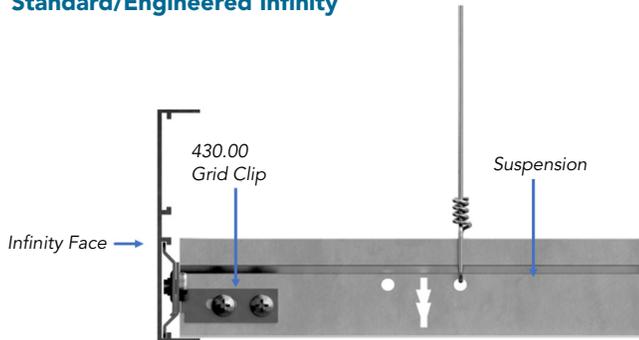


446.46.00 Paired Infinity Clip for 1-3/8" Opening Between Panels

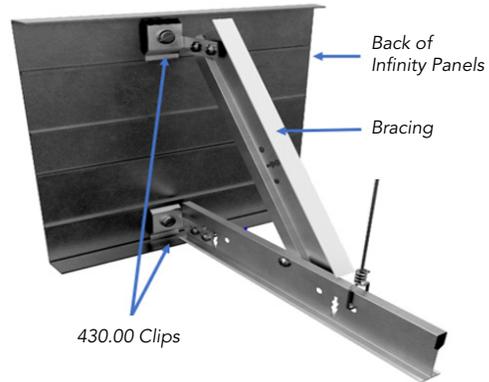
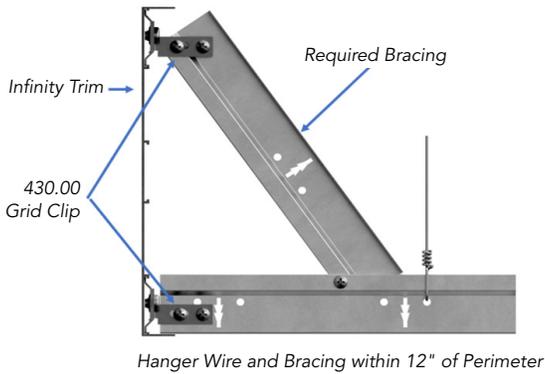


## Installation Details

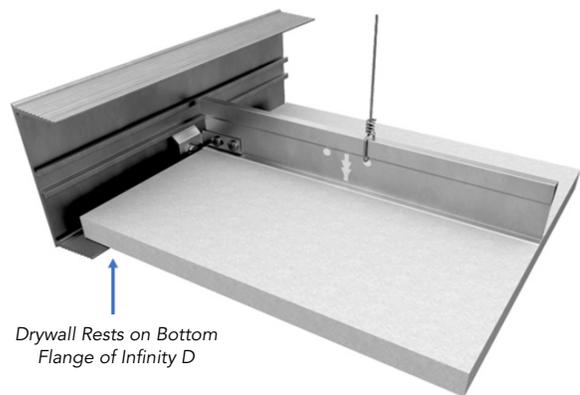
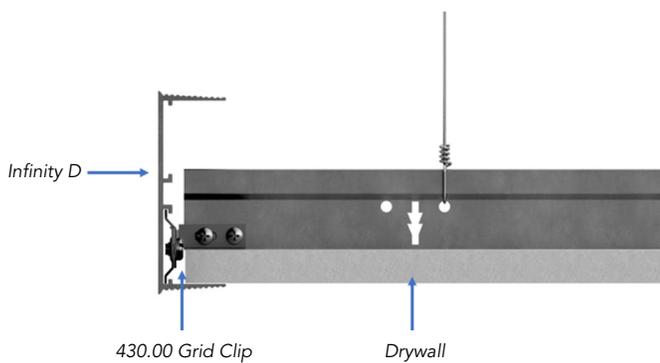
### Standard/Engineered Infinity



### For 10" and 12" Profiles - Brace to Suspension System

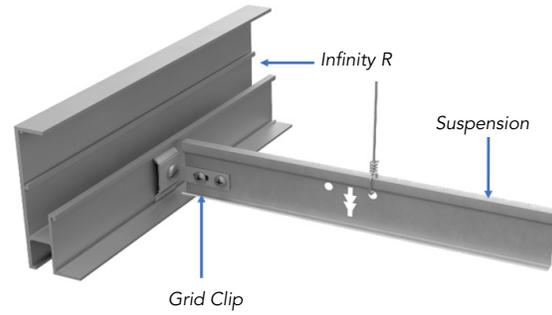
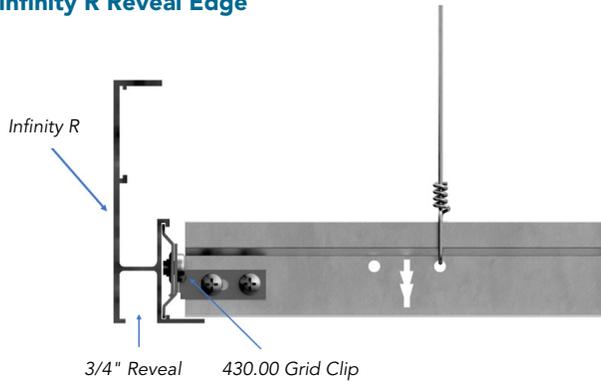


### Infinity D for Drywall - Straight and Curved

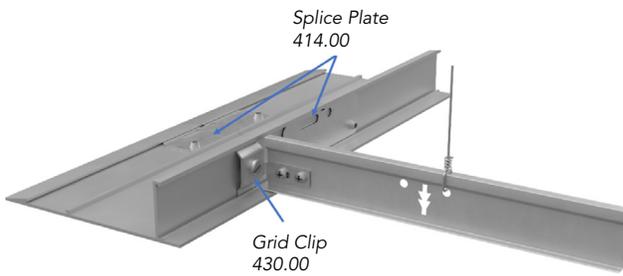


## Installation Details

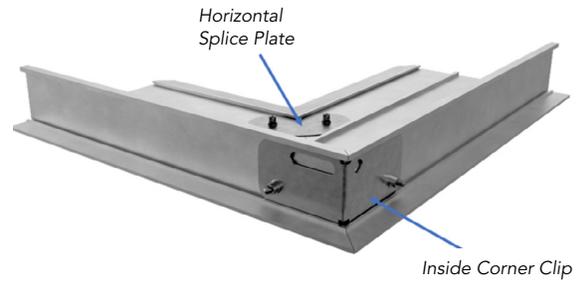
### Infinity R Reveal Edge



### Infinity Z Razor Edge - Straight Only

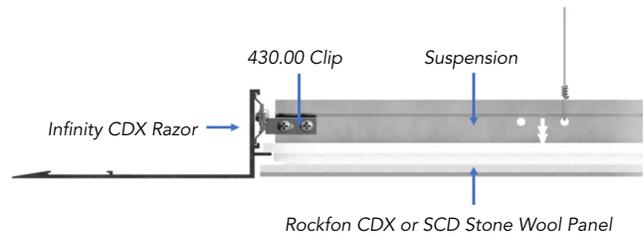
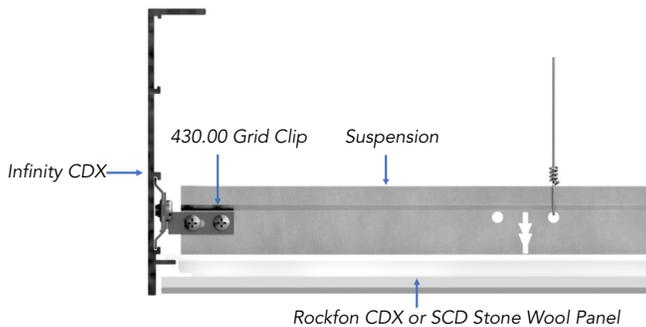


Suspension to Infinity Z and Splice Plate  
(Square Edge Cut)



Corners - Factory Mitered  
Inside or Outside

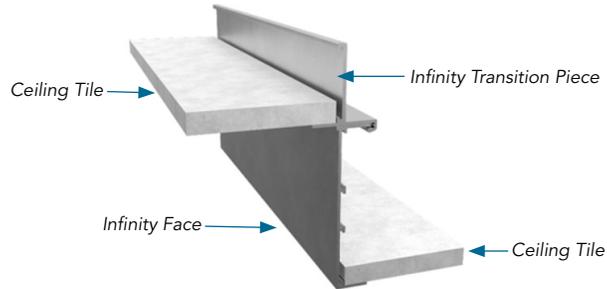
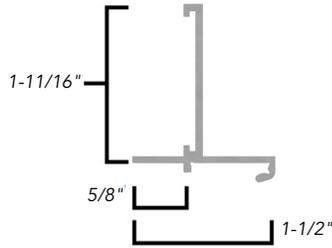
### Infinity CDX and CDX Razor



## Special Installation Details

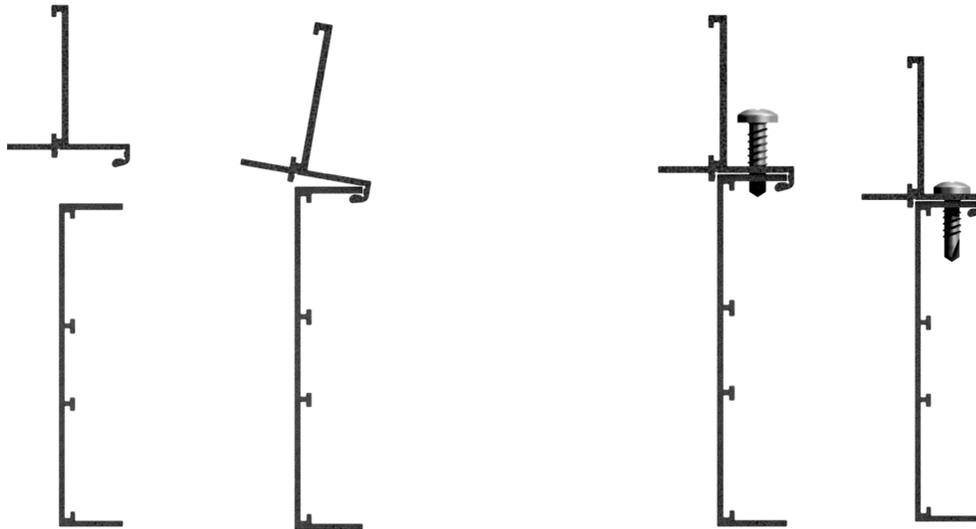
### Using the Infinity Transition Trim Piece

#### Infinity Transitions Profile



#### Infinity Transition Trim can be used with the following Infinity Products:

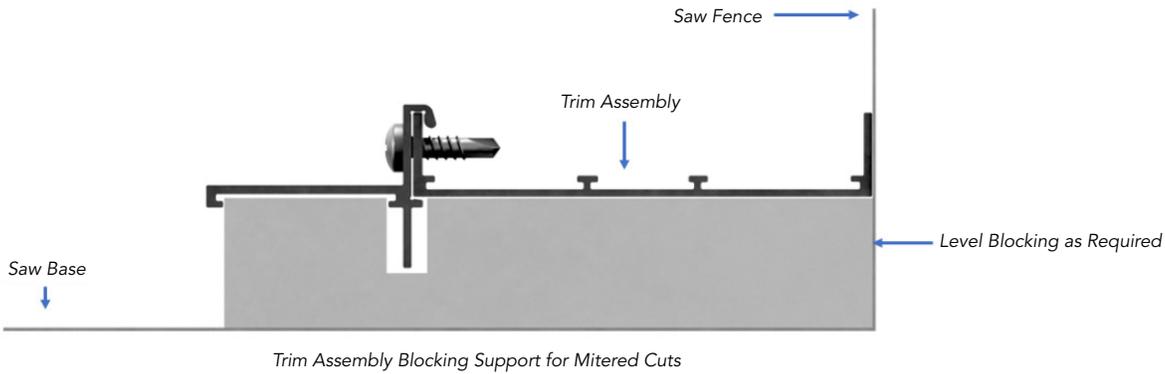
- Infinity Standard: Profile - 2", 4", 6", 8"
- Infinity CDX/SCD: Straight Standard Profile - 6"
- Infinity R: Reveal Edge Profile - 4"



Attach the Transition Trim before cutting to length. Place the Infinity Transition Trim on the top of the Infinity profile. The small return on the Transition profile should hook to the top of the Infinity trim. The Infinity and Transition trim should be flush across the length of the products.

Ensuring that the Transition trim is properly engaged with the Perimeter trim, use #10 Self-drilling screws at 24" on center to fasten the two elements together. Any cuts should be made within 6" of fasteners, or an additional fastener should be added.

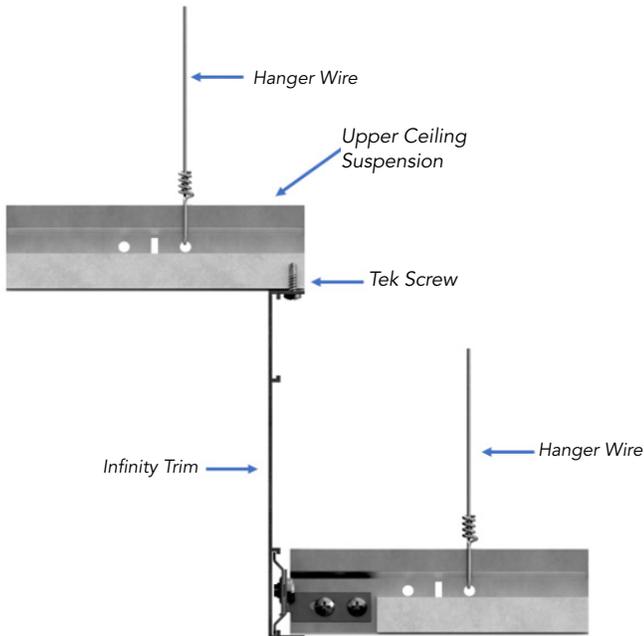
### Cutting the Transition Trim



Use a non-ferrous, metal cutting blade, suitable for cutting aluminum. Secure the piece being cut and make the cut slowly, not forcing the blade. CAUTION: Cut edges may be sharp. A light file may be required to remove burrs.

For mitered cuts, fully support trim assembly as required to achieve accurate cutting results.

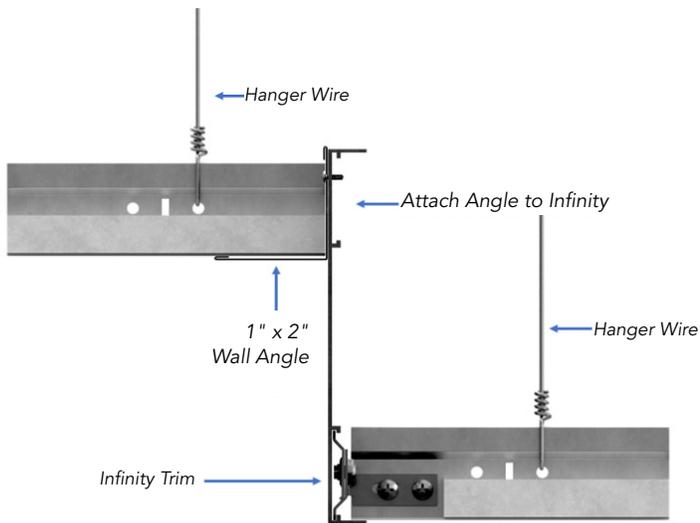
### Transitions for Curved Areas



#### For transitions with Curved Infinity, install as follows:

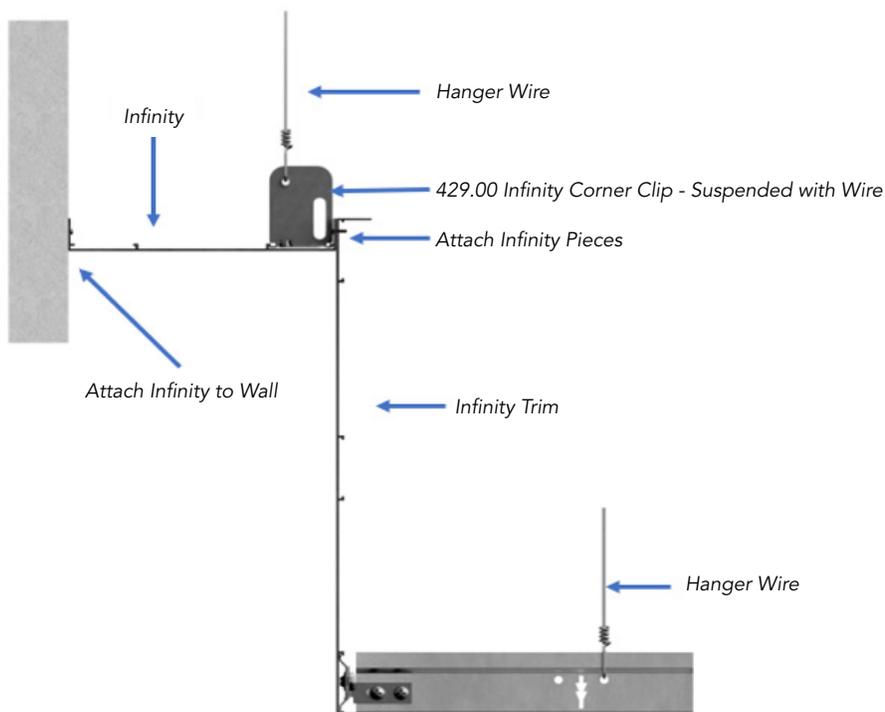
Install the upper ceiling, so that the grid suspension system will overrun the area of the Infinity transition. Attach the top flange of the Infinity to the upper ceiling with a #10 Self-drilling screw or equal.

## Straight Transition Option



For straight transitions, a 1" x 2" wall angle can be attached to the top of the Infinity trim to create the transition.

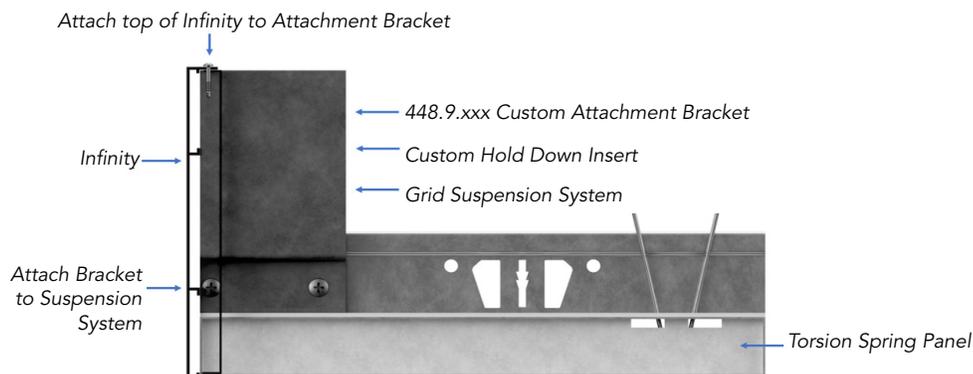
## Curtain Pockets



Curtain pockets can be created using Infinity. Infinity is installed for both the vertical and horizontal areas.

## Installation with Concealed Systems

To install Infinity with concealed panel systems, such as Spanair Torsion Spring, a custom attachment bracket is used. The bracket is attached to the grid suspension system, and the Infinity will attach to the top of the bracket. Special hold down inserts would be added for the installation of cut panels.



## Cleaning

Select a mild, non-abrasive cleaning agent typically used for cleaning painted or reflective surfaces. Never use abrasive cleaning agents, as such treatments may scratch, mar, alter, discolor, and/or remove the finish.

Before cleaning the finish, perform a trial test on a section of the finish which will be hidden from view once installed. This will insure that the cleaning agent selected is appropriate, and will now damage the finish in question.

Once an appropriate cleaning solution has been selected, care should be taken to use only that amount which is necessary. Do not soak the ceiling components with the solution.

Use a clean soft sponge or cloth when applying the cleaning agent in order to insure the applicator does not contain any abrasive elements which may damage the finish.

Any excess cleaning solutions should be removed immediately so that the solutions does not dry and possibly leave a residue. In the event that a large area needs to be cleaned, it is advisable to break the area down into smaller, more managable sections, so that adequate time is available to complete each phase of the cleaing cycle.

After cleaning the soiled or smudged area, wipe the surface with a dry, soft cloth to remove any residual cleaning solution and to dry the area. Use a clean damp clath to remove any residue that cannot be removed with the dry cloth. Repeat the drying process.

After the components are clean, allow a few minutes for air drying before installation. It is important that the clean components are dry to insure that other materials, such as insulation, which may be suceptible to damage from moisture, do not come into contact with any moisture or damage from the cleaned materials.

### Have Questions?

Contact the Rockfon Technical Services Team by calling **800-323-7164** and we can provide assistance on your project.

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