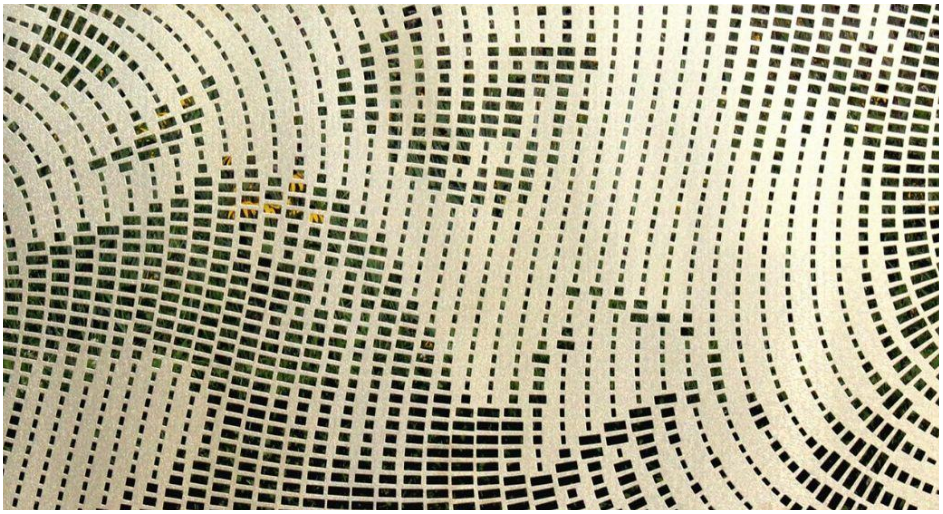
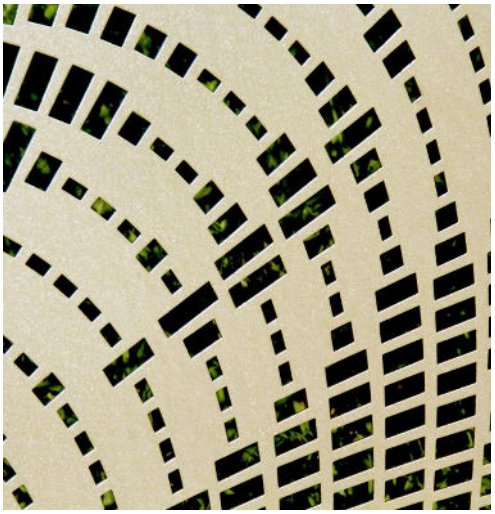




A Curvilinear, Impressionistic Style of Perforated Metal

ImageLines introduces brushstrokes to graphic perforation, generating an impressionistic style of emotion and movement that can accentuate images, words, and architectural details such as wayfinding points, entrances, and fenestrations

Seamless Transitions

Minimize panel borders to create seamless panel transitions. Zahner's Cross-Seam Perf™ creates seamless imagery by enabling perforations to continue across a folded seam or joint. Similar panel systems often leave an unperforated border around each panel, obscuring imagery with a prominent panel grid. Zahner technology and craftsmanship ensure a high-impact display where boundaries and lines become undetectable at a distance.

Material and Finish Offerings

Zahner ImageLines panels are available in the following materials and finishes:

Solanum Steel™ →
Pre-Oxidized Weathering Steel

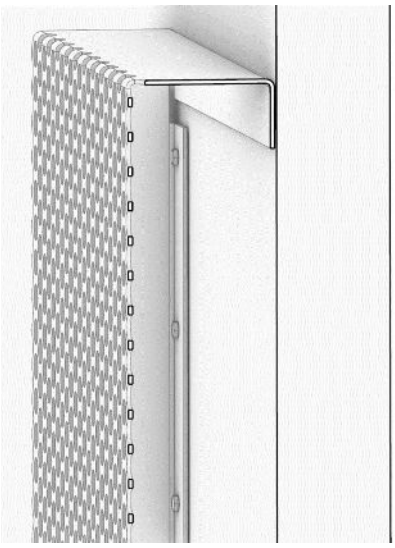
Angel Hair® →
Diffuse finish on Stainless Steel

Anodized Aluminum →
with Type 1 Anodizing

Painted Aluminum →
with AAMA 2605 PVDF Coating

Double Return Panels

Double Return panels are Zahner's most versatile panel system. Panels are attached directly to the steel structures, or any other substructures designed and provided. Depending on the available substructure, panels can be installed in either a portrait (vertical) or a landscape (horizontal) orientation.



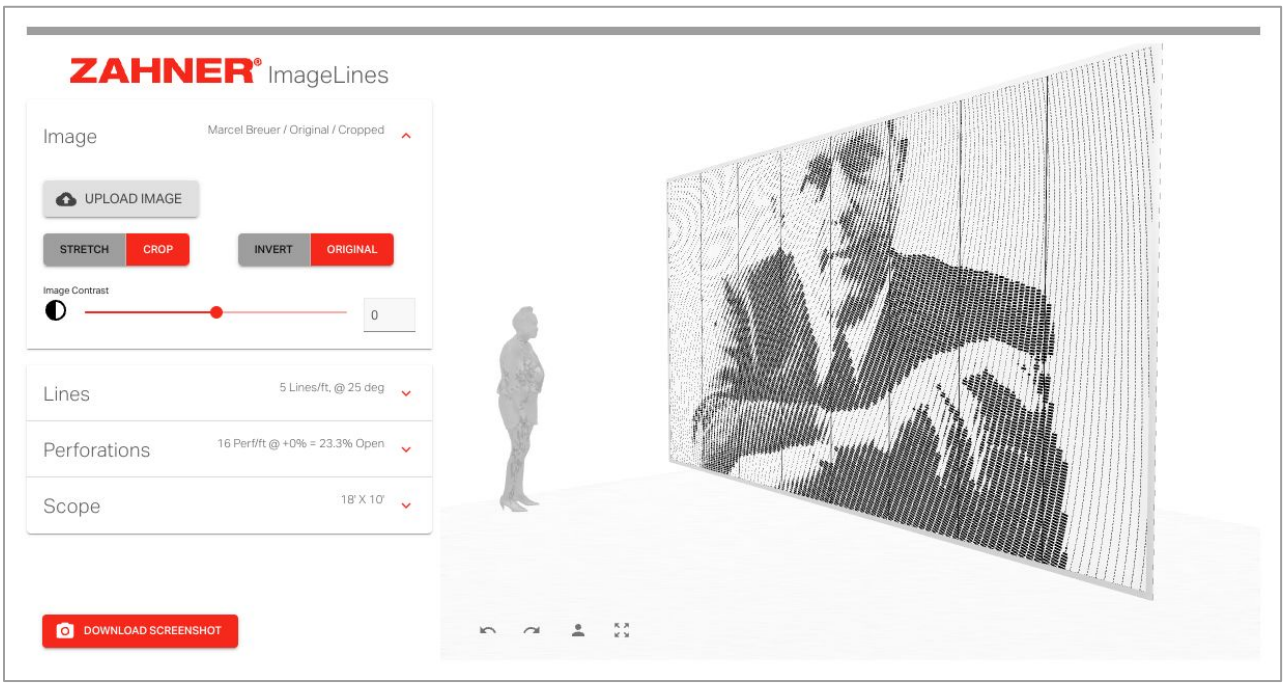
There are two variations to account for desired span and design load requirements:

Short Span
Short Span panels have a 2.5" depth but limit attachment along the long edge only. Double Return Short Span Panels generally provide the most economical ImageLines option.

Long Span
Long Span panels have a 4" depth to provide added strength and rigidity. Panels are attached back to the substrate via the short edge only.

ImageLines Visualizer

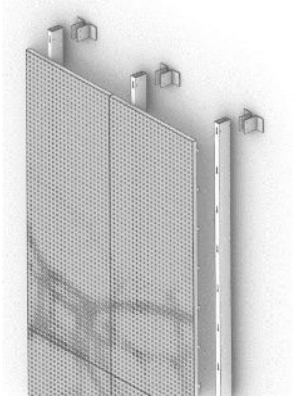
Launch the ImageLines visualizer, upload your own images, and see how ImageLines can take your perforated facades to the next level.



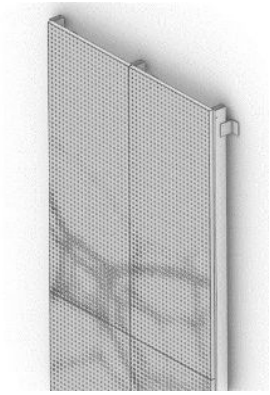
Drop & Lock™ System

Drop & Lock systems by Zahner use Inverted Seam technology to enable fast and sealant-free installation of metal panels and other hardware for architectural systems. The systems use a two-part process for installation and include all of the hardware needed to hang the panel system. In addition to ease of install, panels in the Drop & Lock system are also easy to remove and allow easy access to the space behind the panels for maintenance or other purposes.

Drop & Lock System with Mullion and Anchor



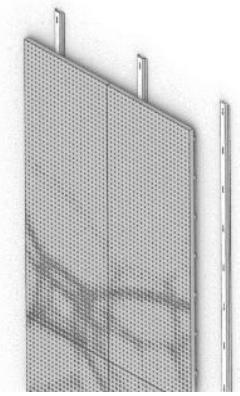
Exploded model of Drop & Lock System with mullion and anchor



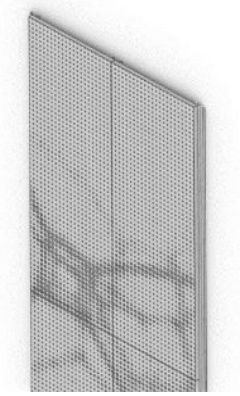
Model of installed Drop & Lock System with mullion and anchor

Profile model of installed Drop & Lock System with mullion and anchor

Drop & Lock System with Hat Channel



Exploded model of Drop & Lock System with hat channel



Model of installed Drop & Lock System with hat channel

Profile model of installed Drop & Lock System with hat channel

Scan QR code to see Drop & Lock system in action

Panel Design Values

Material	Aluminum		Stainless Steel	Weathering Steel
Alloy	5052 H-32		304/316L	A606-4
Available Finishes	2-coat solid color 70% PVDF coating AAMA 611 Class I Anodizing		Angel Hair®	Solanum Steel™
Material Thickness	0.090"	0.125"	0.075"	
Panel Weight / sqft (without perforation)	1.27 lbs	1.75 lbs	3.15 lbs	3.13 lbs
Perforation Grid Size	Curve-driven and image-optimized. Maximum ¾"" x 2-¼"			
Perforation Hole Sizes	½" x ⅛" (min) - ½" x 2" (max) rectangles			
Double Return Panels - Short Span				
Panel Face Width x Length	maximum 40" x 120"			
Panel Face Depth	2.5"			
Panel Max Design Pressure (ASD)	Contact Zahner Sales to discuss engineering requirements specific to your project.			
Double Return Panels - Long Span				
Panel Face Width x Length	Not Available	maximum 30" x 90"		
Panel Face Depth		4"		
Panel Max Design Pressure (ASD)		Contact Zahner Sales to discuss engineering requirements specific to your project.		
Drop & Lock Panels				
Panel Face Width x Length	maximum 40" x 120"			
Panel Face Depth	2.75"			
Panel Max Design Pressure (ASD)	Contact Zahner Sales to discuss engineering requirements specific to your project.			

Drop & Lock System and Component Design Values

Drop & Lock System with Hat Channel				
Hat Channel Dimensions (L x w x d)	10’ x 4" x 1"			
System Depth (panels + hat channel)	3.75”			
Hat Channel Material	Aluminum 5052 H-32			
Drop & Lock Tab/Slot Spacing	6" O.C.			
Drop & Lock System with Mullion and Anchor				
Mullion Dimensions (L x w x d x t)	20’ x 2" x 4" x 0.125"		20’ x 2" x 6" x 0.125"	
System Depth (panels + mullion + anchor)	7.25” - 8.75”		9.25” - 10.75”	
Mullion Material	Aluminum 6063-T6			
Mullion Section Area Moment of Inertia	Ixx: 2.97 in4 Iyy: .992 in4		Ixx: 8.27 in4 Iyy: 1.43 in4	
Mullion Weight per lineal foot	1.69 lbs		2.28 lbs	
Angle Anchor Material	Aluminum 5052 H-32			
Angle Anchor Dimensions (w x d x t)	4.5" x 3" x 0.25"			
Angle Anchor Length	4"			
Assumed Design Pressure, ASD	28 PSF	52 PSF	28 PSF	52 PSF
Maximum Span Between Anchors	10'-0"	8'-0"	13'-0"	11'-0"
Maximum Cantilever from Anchor	3'-4"	2'-8"	4'-4"	3'-8"
Drop & Lock Tab/Slot Spacing	6" O.C.			

Drop & Lock systems have been successfully tested using AAMA501.4 procedures for seismic movement. Each project and the specific building movements of that project should be evaluated by the building’s engineer of record.

All information above is for reference only and must be confirmed by a licensed structural engineer for each specific project and its unique site conditions.