



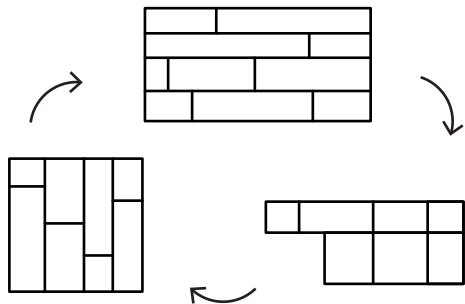
LockAlign™ panels in Solanum™ Preweathered Steel at Kansas University Capitol Federal Hall Building.

# LockAlign™

LockAlign provides a high-performance cladding solution that balances modern aesthetics with streamlined installation. It provides ultimate design flexibility with various panel sizing, orientation, and depth options plus adjustable z-girts so you can easily tailor the system to your project's specific performance and design needs. Its interlocking panels and hidden fastening system simplify installation—reducing labor costs and time—while precise components ensures a smooth, high-end architectural appearance.

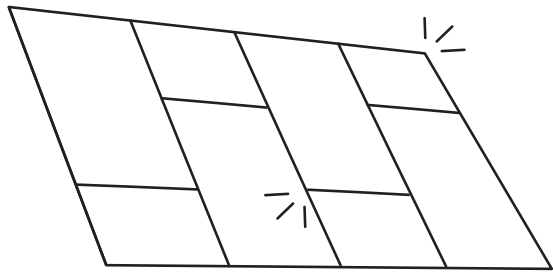
FEATURES

Design Flexibility



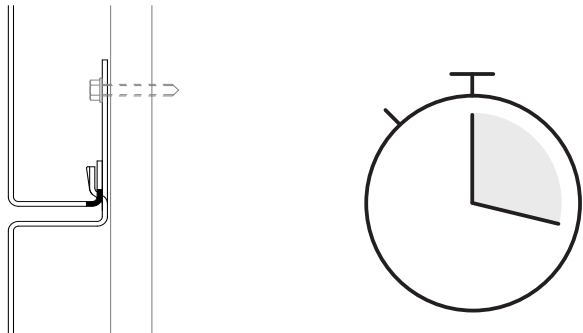
The system supports horizontal or vertical panel orientations and a mix of custom dimensions to accommodate numerous pattern options.

Uniform Appearance



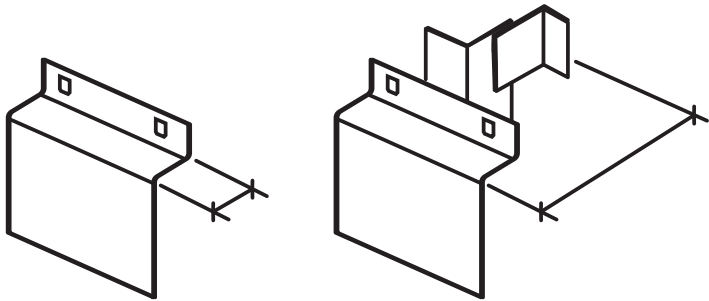
Hidden fasteners and precision fabrication delivers a clean, premium look that defines contemporary design.

Efficient Installation



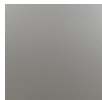
Interlocking panels means fewer fasteners and no need for clips or special tools, reducing labor costs and time.

Fit to Your Project

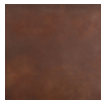


Panel thickness and hardware options allow for a system depth that meets your project's aesthetic and performance needs.

MATERIAL OPTIONS



Angel Hair®  
Stainless Steel



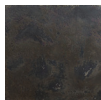
Solanum™  
Preweathered  
Steel



Painted  
Aluminum



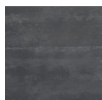
GB-60™  
Stainless Steel



Oscura™  
Blackened Steel  
Interior Only



Anodized  
Aluminum

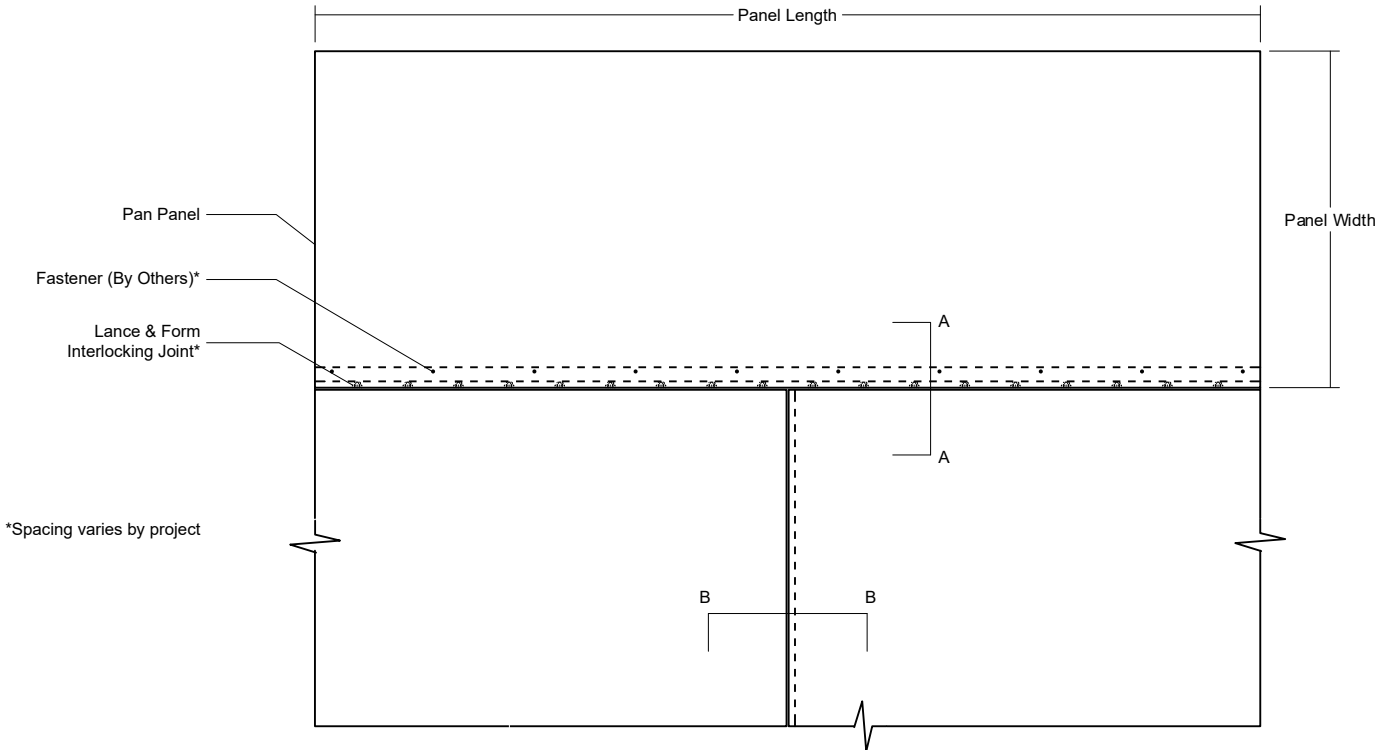


Fuscara™  
Stainless Steel

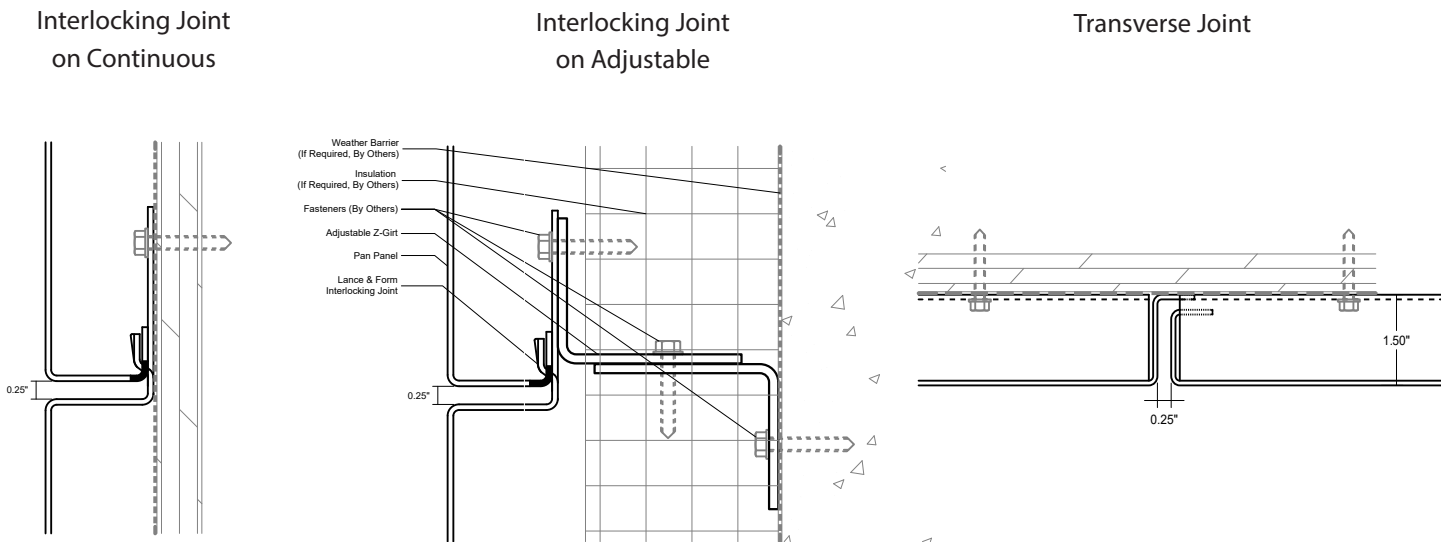
COMPONENTS & ASSEMBLY

LockAlign features a precision-engineered interlocking joint system with shop-fabricated tabs and slots along panel edges. One panel attaches to the substrate or z-girt, while the adjacent panel slides into place and locks securely. The result is a clean, concealed-fastener system with consistent reveals and reliable performance.

Panel Elevation



Section Detail



Drawings from this data sheet are for conceptual clarity and are not drawn to scale. For scale-accurate drawings, see the LockAlign Detail Set.

## SPECIFICATIONS

See the table below for information on various LockAlign options. System weight ranges from 2 - 4.5 lbs/ft<sup>2</sup> depending on specific material and layout.

| PANEL DIMENSIONS | Minimum | Maximum |
|------------------|---------|---------|
| Visible Width    | 8"      | 40"     |
| Visible Length   | 16"     | 112"    |

| PANELS                                 |                                 |                |                     |
|----------------------------------------|---------------------------------|----------------|---------------------|
| Finish                                 | Base Metal                      | Thickness      | Max Design Pressure |
| Angel Hair Stainless Steel             | SS304 or SS316 Stainless Steel* | 0.075" [14 ga] | 40 PSF              |
| GB-60 Stainless Steel                  |                                 |                |                     |
| Fuscara Blackened Stainless Steel      |                                 |                |                     |
| Solanum Preweathered Steel             | A606 Weathering Steel           | 0.075" [14 ga] | 45 PSF              |
| Oscura Blackened Steel (Interior Only) | 1008A Carbon Steel              | 0.125" [14 ga] |                     |
| Anodized, AAMA 611 Class I             | 5052 H-32 Aluminum              | 0.125"         | 44 PSF              |
| Painted, 2-coat solid color 70% PVDF   |                                 |                |                     |
| OPTIONAL HARDWARE - ADJUSTABLE Z-GIRTS |                                 |                |                     |
| PANEL BASE METAL                       | Z-GIRT BASE METAL               | THICKNESS      |                     |
| 304 or 316 Stainless Steel             | 5052 H-32 Aluminum              | 0.125"         |                     |
| 5052 H-32 Aluminum                     |                                 |                |                     |
| 304 or 316 Stainless Steel             | SS304 or SS316 Stainless Steel* | 0.075" [14 ga] |                     |
| A606 Weathering Steel                  |                                 |                |                     |
| A606 Weathering Steel                  |                                 |                |                     |

\* - specifiable attribute

## HOW TO SPECIFY

Download and use the 3-Part Specification document and LockAlign Drawing Set to aid in specifying LockAlign for your project.

1. Determine the panel material, orientation, dimensions, and number of panels per the surface pattern desired for your project.

2. Determine the panel depth (1.5" standard) and panel reveal (.25" standard).

3. Determine if adjustable Z-girt backup system is required, and what Z-girt depth creates a sufficient cavity behind the panels (e.g., for exterior insulation, substrate uniformity, etc). Zahner consultation team at [azahner.com/contact](http://azahner.com/contact).

For general consultation or specific questions on product specifications, please contact your Zahner consultation team at [azahner.com/contact](http://azahner.com/contact)