

PARASOLEIL CASE STUDY

# University of New Mexico McKinnon Center for Management

ALBUQUERQUE, NEW MEXICO

Completed August 2018



PRODUCT DETAILS

**APPLICATION**

canopy, screen,  
rainscreen facade

**MATERIAL**

1/8" and 1/4" aluminum

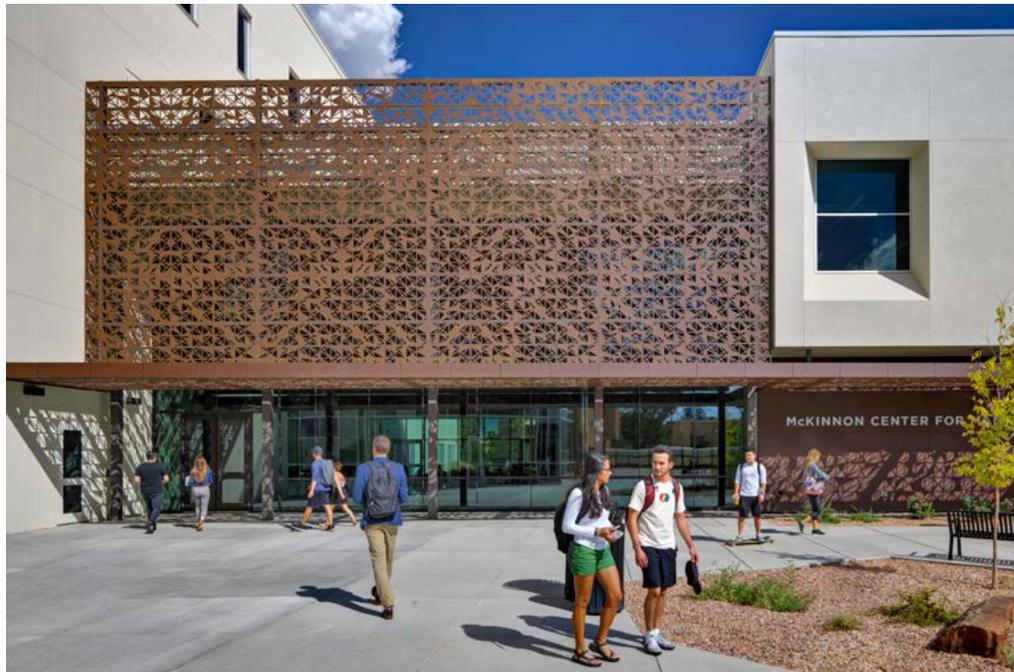
**PATTERN**

Custom, solid

**FINISH**

Umbria

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hello@parasoleil.com



PROJECT DETAILS

**SITUATION**

The new center needed a unique identity for a gathering place reflecting the strong "pattern-making" arts culture of the American Southwest where students would linger and interact. Natural light was a key element in the design. They wanted an efficient installation method to satisfy budget and schedule goals as well as engineering for wind load code compliance.

**SOLUTION**

Parasoleil collaborated with the installer and architects to create decorative and engineered panel systems for each application that was on spec, on budget, and on time. The custom labeling system for screen and canopy panels ensured easy installation.

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# From the Client

2019 AIA NEW MEXICO MERIT AWARD WINNER

## OWNER

University of New Mexico

Parasoleil provided this high-visibility project with a partner who would deliver a quality product for the timeless, pueblo-inspired custom design they required. The decorative metal panels for the main entrance allowed for needed natural light and presented a dynamic exhibit of shadows moving through the study area.

## SPECIFIER

fbt Architects and BORA Architects

Parasoleil provided in-depth design guidance needed to ensure the specified custom pattern concepts met the required structural capacity and could be manufactured. It was critical to maintain the overall design intent with the traditional arts culture as well as establish a prominent building aesthetic.

## CONTRACTORS

Building Envelope Services

Parasoleil created a mock-up panel assembly to confirm installation tolerances and field dimensions. The unique panel labeling system fabricated into each panel identified panel location and proper orientation (see Labeling System Detail on right). The system allowed the same panel type to be installed in multiple positions. To coordinate and streamline the installation process, on site collaboration was essential.

## ENGINEERING

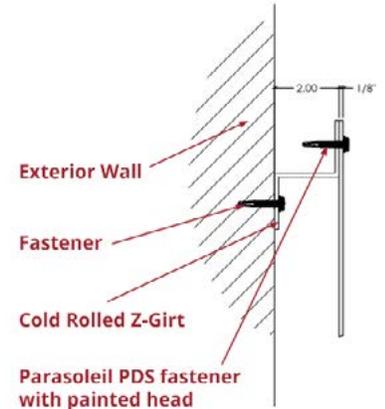
The engineered screen panel system allowed for up to 110 mph wind speeds.

## HARDWARE

All panels were direct mounted with Parasoleil Direct Hex (PDH) fasteners onto Z-girts and tube steel framework.

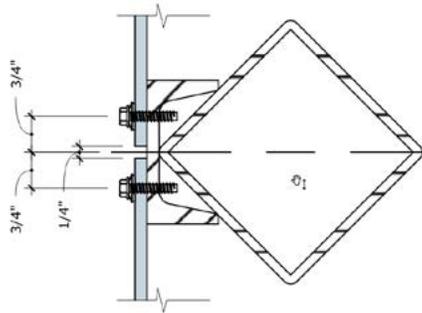
## MATERIAL & THICKNESS

- Rainscreen facade: 1/8" aluminum
- Screen at entrance: 1/4" aluminum
- Canopy shade: 1/4" aluminum



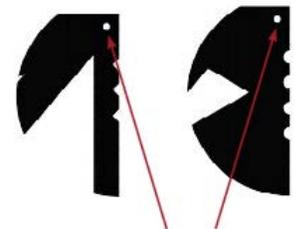
### Z-GIRT FACADE DETAIL

Side view shows Z-girt attachment to substructure and panel attachment to Z-girt



### SCREEN INSTALLATION

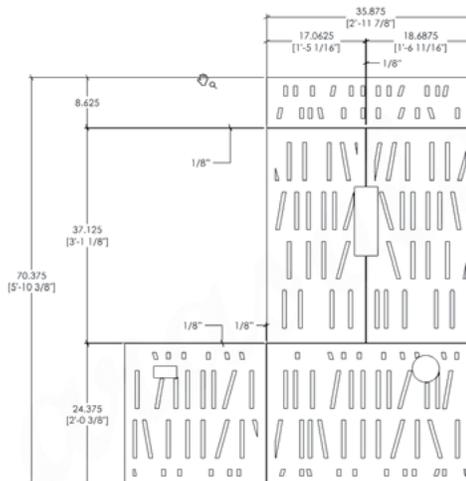
Top view shows vertical tube steel structure engineered for wind loads



Panel label laser-cut in upper right corner

### LABELING SYSTEM DETAIL

Fabricated notch detail identifies panel location and orientation



### SHOP ASSEMBLY DRAWING

Layout designed for protruding fixtures and 1/16" panel space tolerance

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