

**twofour54 Exhibition Installation - Abu Dhabi**  
design: Diller Scofidio + Renfro

**CASE STUDY**



## twofour54 CITYSCAPE

**DESIGN:** Diller Scofidio + Renfro

**PROJECT:** Trade Show Booth at Cityscape Abu Dhabi

**LOCATION:** Abu Dhabi

**CLIENT:** twofour54

**INSTALLER:** Action Impact

All drawings and images courtesy of Diller Scofidio + Renfro

### **CHALLENGE:**

- Execute DS+R's seamless, ethereal, luminous aesthetic for the "floating" volume.
- Backlight the panels with a diffuse, even light quality and without structural shadows.
- Make the structural system and connection details as minimal as possible for visual elegance, ease of transport and efficient installation and de-installation.

### **PROCESS:**

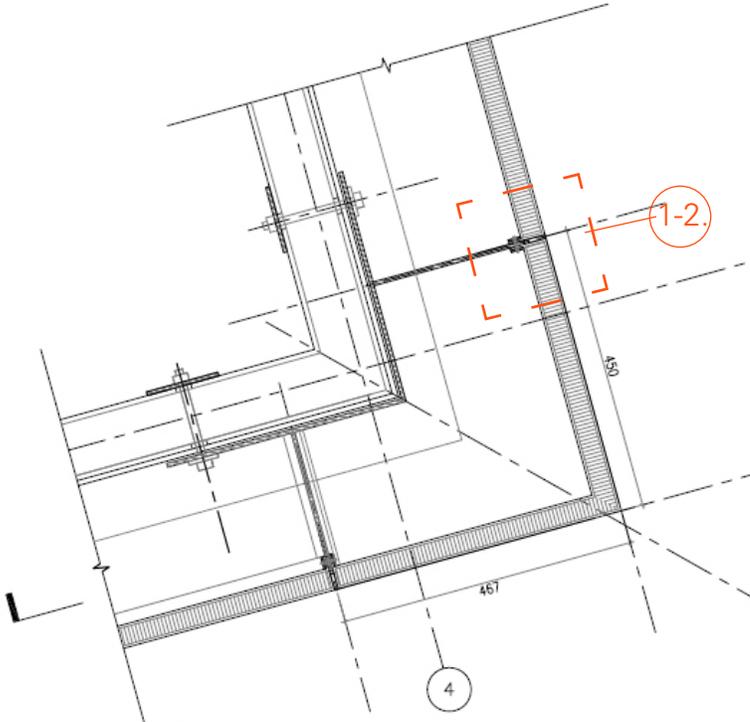
Diller Scofidio + Renfro designed a clever double-sided installation for media company twofour54: one side of the luminous volume lifts up from the ground to provide shade for a projection viewing booth, while the other side encloses a raised kiosk space that visitors can step into for additional information.

Panelite worked closely throughout the design process with the team at Diller Scofidio + Renfro to develop a material solution that achieved their design intent, adapting our Bonded Series structural connection fin detail to the precise needs of the installation, conducting a full-scale mock-up review, and delivering the pre-fabricated system to the show site in Abu Dhabi, on time and on budget.

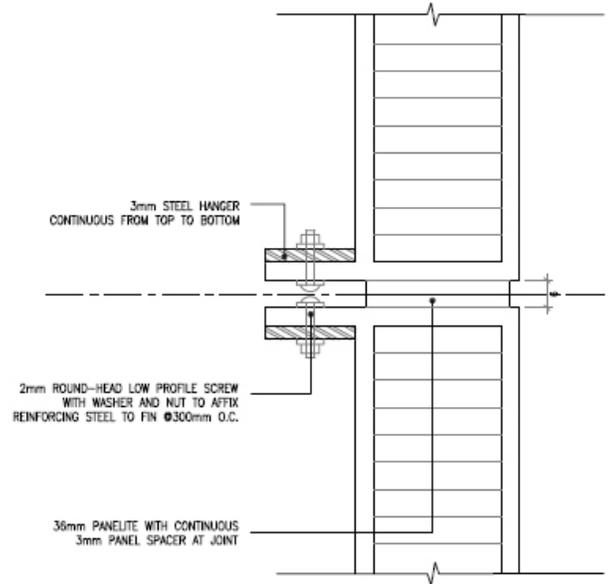
### **PANELITE SOLUTION:**

- Bonded Series B-TCCTS panels - satin facings on the back side - provide even, diffuse light transmission.
- Panels weigh only 1.25 lbs per square foot, facilitating transport and handling.
- Integral honeycomb makes the panels self-structural, allowing minimal structure in the overall design.
- Panelite's installation details - a pre-fab mitered corner and a structural connection fin at the panel joints - simplify installation and create a seamless wall, free of structural shadows when backlit.





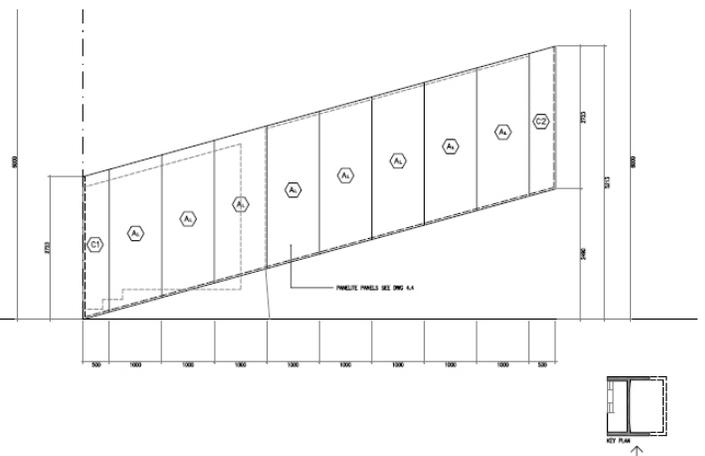
1-1. Panelite Pre-fabricated Mitered Corner Detail



1-2. Panelite Structural Connection Fin Detail

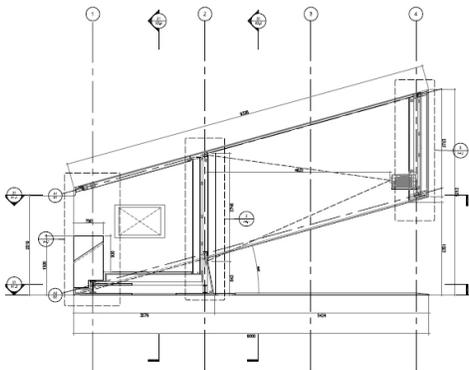
*“Panelite panels played a central role in the successful realization of our Cityscape project. The **structural connection fin** and **pre-fab mitered corner** details allowed us to create a seamless, lightweight skin for the installation. Once installed and backlit, the piece was free of distracting structural shadows and remained easy to disassemble and move.”*

- Charles Renfro, Diller Scofidio + Renfro



1-3. Elevation

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1-4. Section showing double-sided concept:  
Information booth | viewing booth

## twofour54 CITYSCAPE

### SUSTAINABILITY = RESOURCE-EFFICIENCY

Bonded Series panels consist of approximately **70-85% air by volume** due to their honeycomb cores and contribute to LEED credits. Panelite's self-structural honeycomb panel solution with integral connection details, compared to the same design executed with solid surface resin sheets and a supporting framework erected on site with steel framing:

- Requires 33% less** translucent sheet material
- Saves 402 linear feet** of aluminum structural metal
- Saves labor and energy** in installation

For more information on Panelite's resource-efficient, energy-saving approach to sustainability, please contact us directly at the numbers below.

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LA: 323.297.0115  
sales@panelite.us

#### ABOUT PANELITE:

Panelite provides energy- and resource-efficient material solutions for architecture. The company offers the Bonded Series™ product line for interior applications and ClearShade™ IGU, high performing Insulating Glass Units for exteriors. Both product lines provide an extensive range of aesthetic and technical options reflecting the company's passion for material innovation and expertise in consultative design support. The ClearShade™ unit offers industry-leading performance in solar heat gain control and daylighting as demonstrated in studies by MIT daylight lab, Stanford University, US Department of Energy, and Lawrence Berkeley National Laboratory. Panelite is based in Los Angeles, USA and has been providing innovative sustainable materials for architecturally significant projects since 1999.



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