



RESCARA – Skypanel/Ombrae Ürün Tanıtımı

Alüminyum
Ekstrüzyon
& Kompozit
Panel

Alüminyum
Yassı
Mamuller

AR-GE

PVC Profil &
Panjur
Sistemleri

ASAŞ; AKYAZI,
SAKARYA'DAKİ 5 ÜRETİM
TESİSİ İLE FAALİYET
GÖSTERMEKTEDİR.

TOPLAM ALAN: 640.000m²
KAPALI ALAN: 300.000m²



Avrupa



Asya



Afrika



Güney Amerika



Kuzey ve Orta Amerika



Avustralya

ASAŞ, ÜRETİMİNİN
%80'inini
**80'den FAZLA
ÜLKEYE
İHRAÇ EDİYOR.**



 **ASAŞ**

ASAŞ SANAT



RAKAMLAR

Sanat ve tasarım öğrencileri, profesyonel sanatçılar ve akademisyenler için «öğrenme, paylaşma, tasarım ve üretimin» birleştiği bir platform.

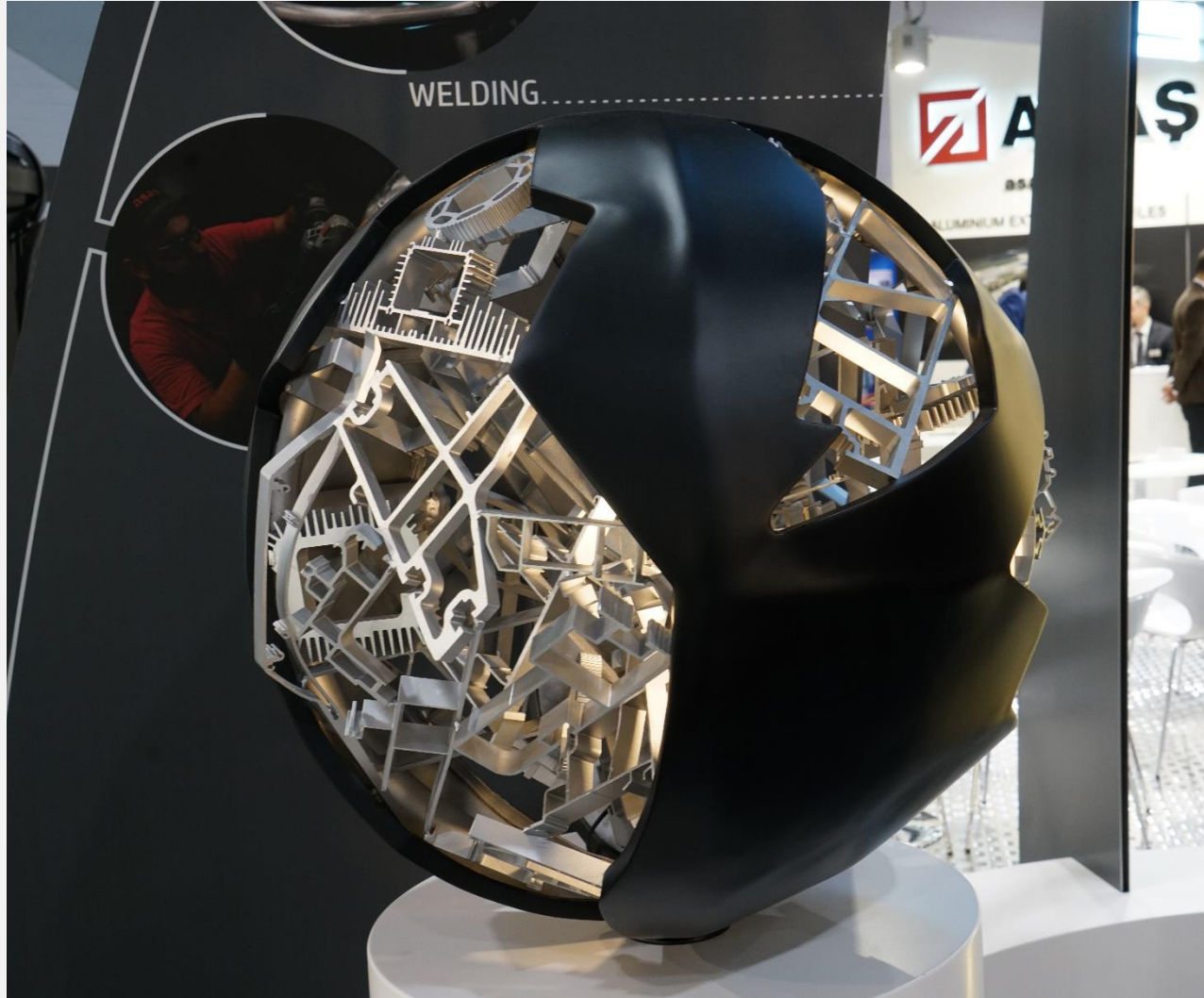
Fabrikanın geniş imkanları dahilinde, sanatçıların ve tasarımcıların yaratıcı fikirlerini uygulamaya taşıyabildikleri bir merkez.

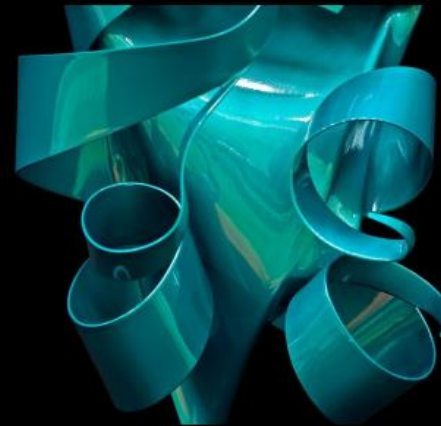
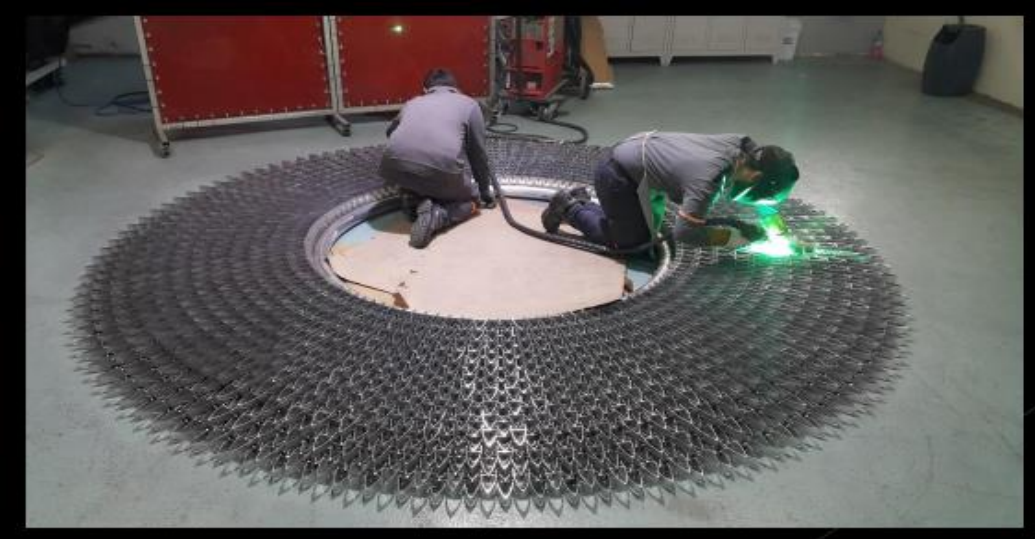
Farklı disiplinlerin birbiriyle kaynaştığı bir bakış açısıyla, tüm yeni fikirlerin ve üretim tekniklerinin denendiği bir atölye.



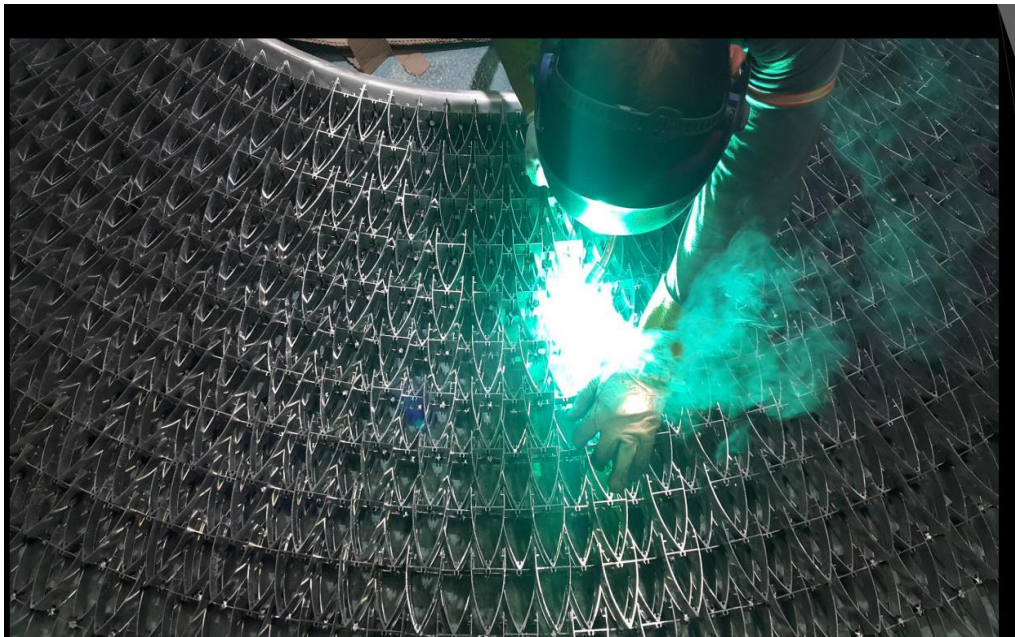
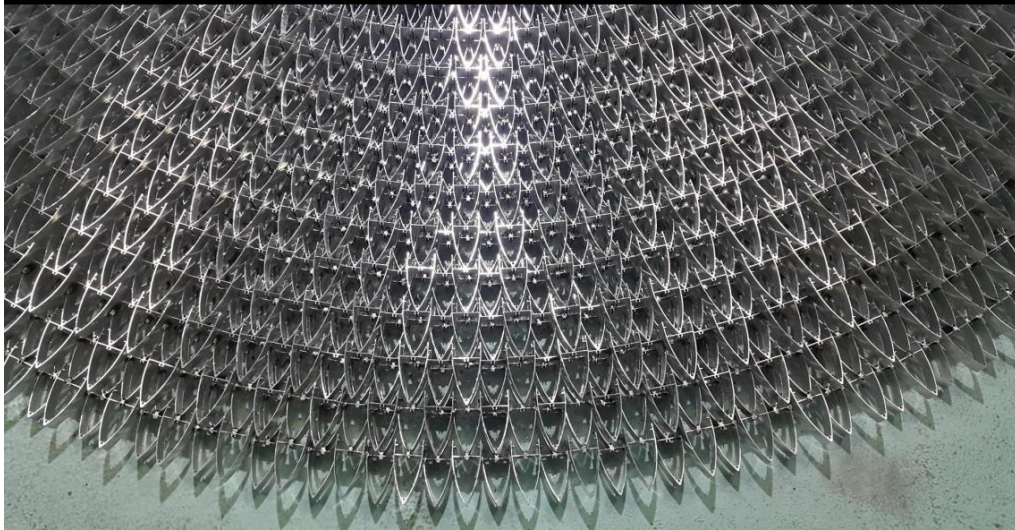
**SANATIN ENDÜSTRİ
İLE BULUŞMASI**
ASAŞSANAT







Production of amorph sculptures



Production of Sun sculpture



FEEL
THE
DESIGN
WITH
RESCARA

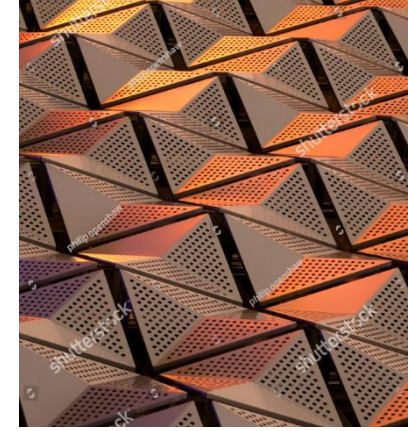


BMW WORLD/WOLF D. PRIX

RESCARA MİMARİ SİSTEMLER



RESCARA **elite**
SAFE FEEL



SKYPANEL 23 (**RESP23**)

A1-A2 sınıfı

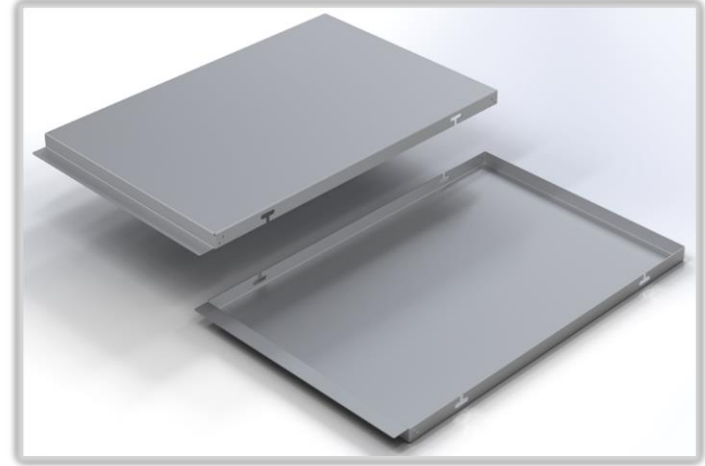
Dekoratif İç ve Dış Cephe kaplama sistemleri

2018

- ❖ **Marka Adı** : Rescara Elite
- ❖ **Sistem adı** : SKYPANEL 23 Cephe Kaplama sistemi
- ❖ **Sistem Kodu** : RESP 23
- ❖ **Tanım** : 2 mm ve 3 mm kalınlığındaki Al Levha ile A2 Yanma sınıfı özelliğinde , talep edildiğinde 3D desen uygulanabilen Dekoratif olarak imal edilmiş Havalandırmalı Cephe Kaplama sistemleridir.

❖ **Sistem Özellikleri**

- Malzeme : ENAW 3105 H46
- Malzeme : ENAW 5005 H24
- Kalınlık : 2mm/3mm (opsiyonel olarak 4 mm)
- Yüzey : PVDF Yaş boya /Class II-III Toz Boya (Tüm Ral Renkler)
- Uygulama Alan : Dış Mekan / İç Mekan Uygulamaları
- Yanma Sınıf : A1 - A2-s1 d0
- Boyut :
 - Boy : 370mm/3.500 mm (Panel:3.350mm)
 - En : 180mm /1.600 mm



SKYPANEL 23



SKYPANEL 23

HAVALANDIRMALI
CEPHELER

DEKORATİF
CEPHELER

DEKORATİF DUVAR
KAPLAMALARI

KASTE TİP

PERÇİN TİP

H-PROFİL TİP



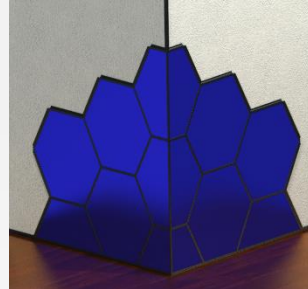
OPTICAL SHEET

DECO SHEET



ALUCERA / B-NEST

ALUCERA / SQUARE



SAFE FEEL RESP23 (SKY PANEL FR)



A2 sınıfı Dekoratif
İç ve Dış Cephe
Kaplama sistemleri
Termin: 2018 Ocak 3.
hafta Satışa Hazır



SKYPANEL 23 KASET TİPİ - V2



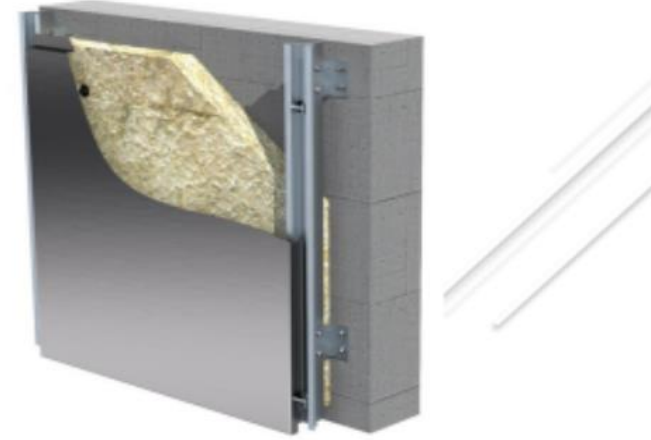
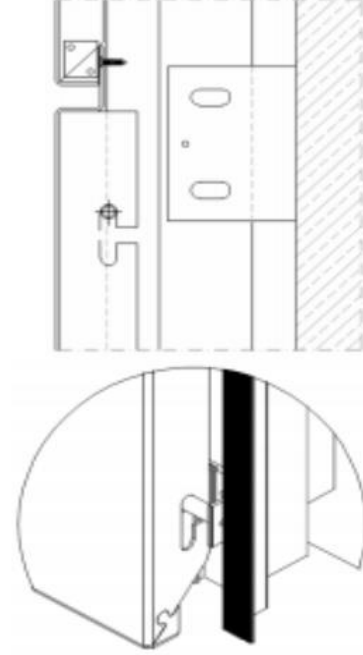
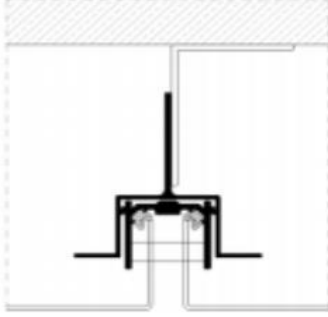
SKYPANEL 23 KASET TİPİ - V2

YENİ SİSTEMLER **RESP 23**

➤ SKY PANEL 23 CEPHELER İÇİN ALÜMİNYUM PANEL

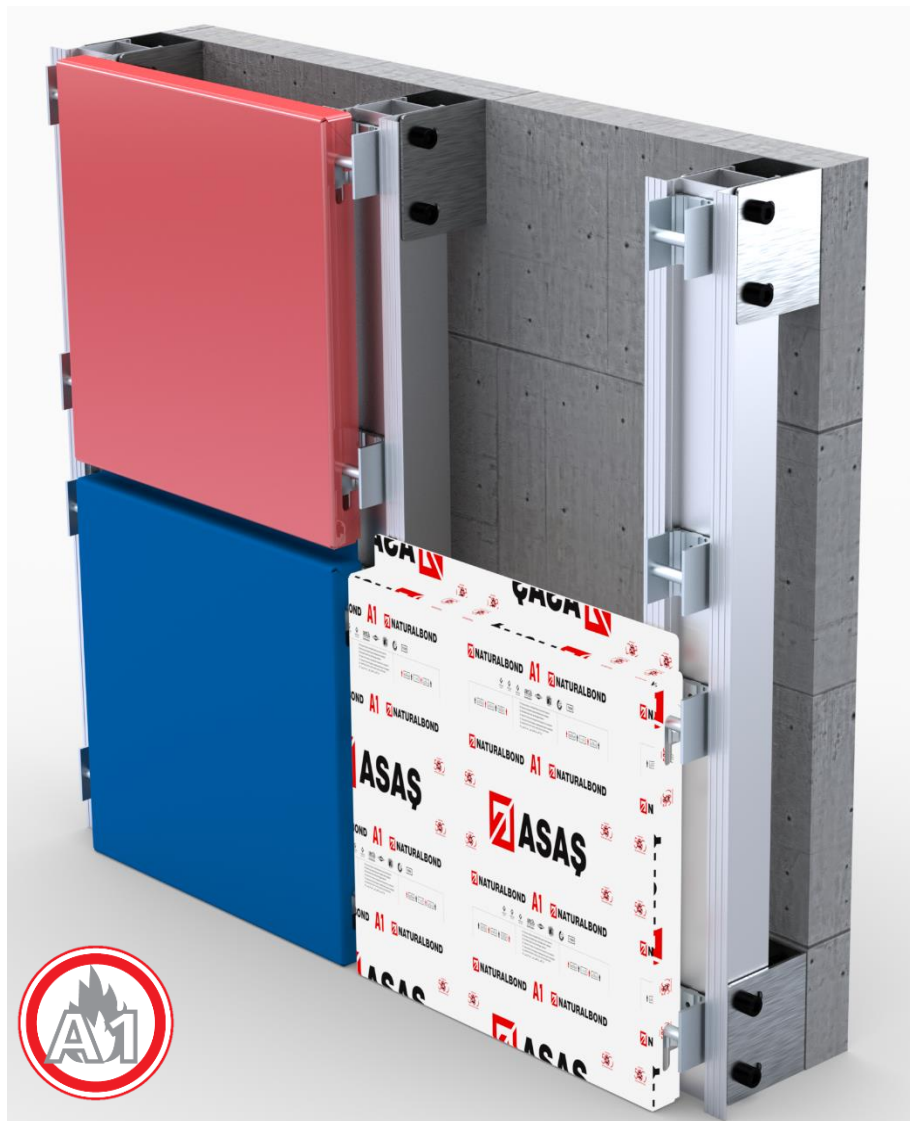
MONTAJ TİPİ

- KASETLİ SİSTEM V3

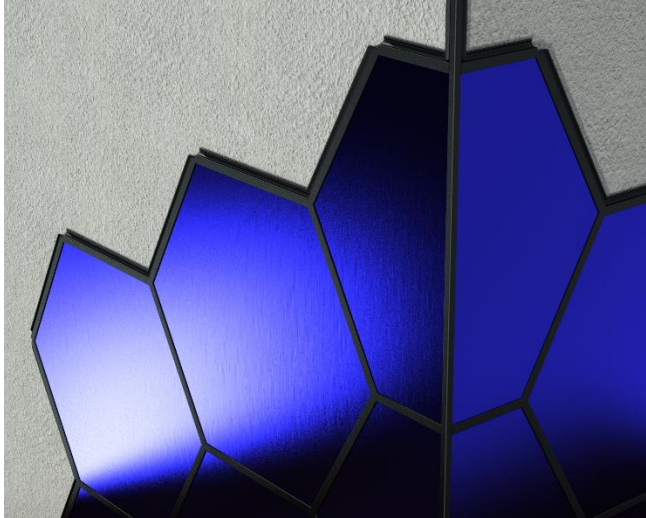
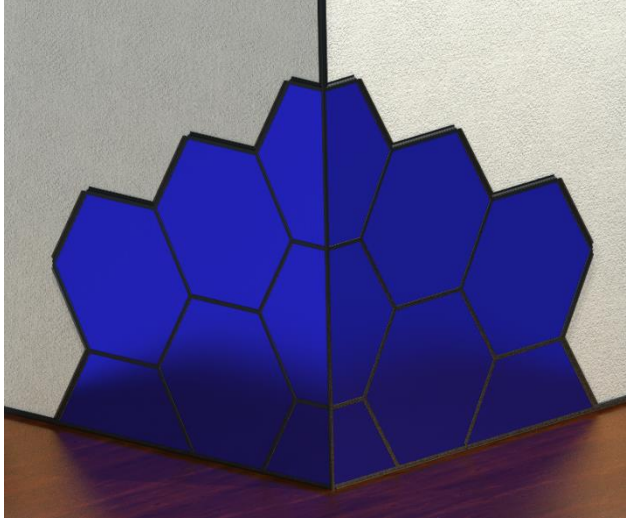


Alüminyum levha, alt konstrüksiyonda kullanılan bağlantı parçasına perçinlenmiş pime geçirilerek alüminyum alt konstrüksiyona bağlanır.

SKYPANEL 23 DECO SHEET

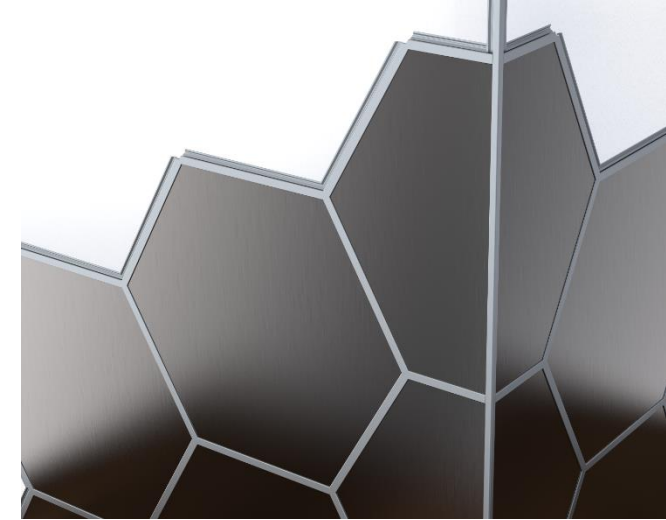
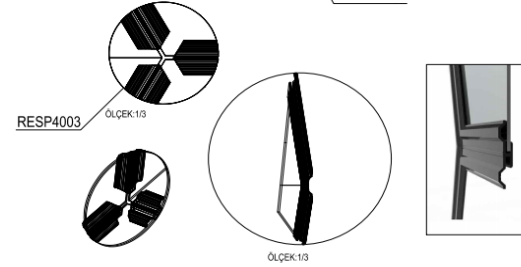
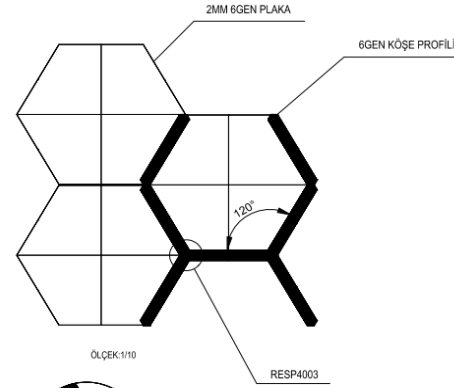


SKYPANEL 23 ALUCERA / B-NEST

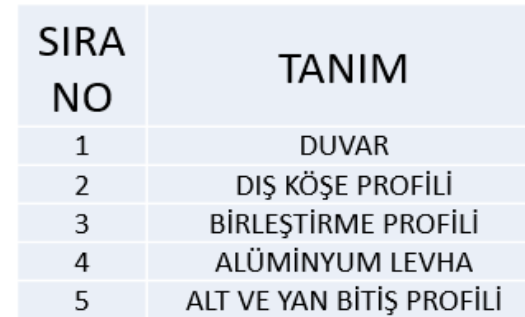


B-NEST

(1) ALTIGEN KÖŞE BİRLEŞİM DETAYI



A 3D schematic diagram of a honeycomb structure. The structure consists of a main wall and a protruding section. The main wall is a flat surface. The protruding section is a honeycomb lattice. The diagram is labeled with five numbered callouts: 1 points to the main wall, 2 points to the vertical edge of the main wall, 3 points to the top edge of the honeycomb section, 4 points to the side edge of the honeycomb section, and 5 points to the bottom edge of the honeycomb section.



SKYPANEL – Ombrae Optical Sheet



COMPANY MILESTONES

Establish a history of technological developments and innovation.



1993

Post-Digital Artist, Roderick Quin invents The Ombrae System based on his explorations with the programming of light.



2006

Version 1.0 of the Ombrae software is written, allowing new possibilities with large scale manufacturing. International patents obtained in 12 global economic regions.



2009

Completion of first large-scale, architectural Ombrae application. SAIT would go on to win the 2011 Mayor's Urban Design Award.



2011

Ombrae Studios expands R&D into multiple industries, including fashion, automotive and lighting.



2016

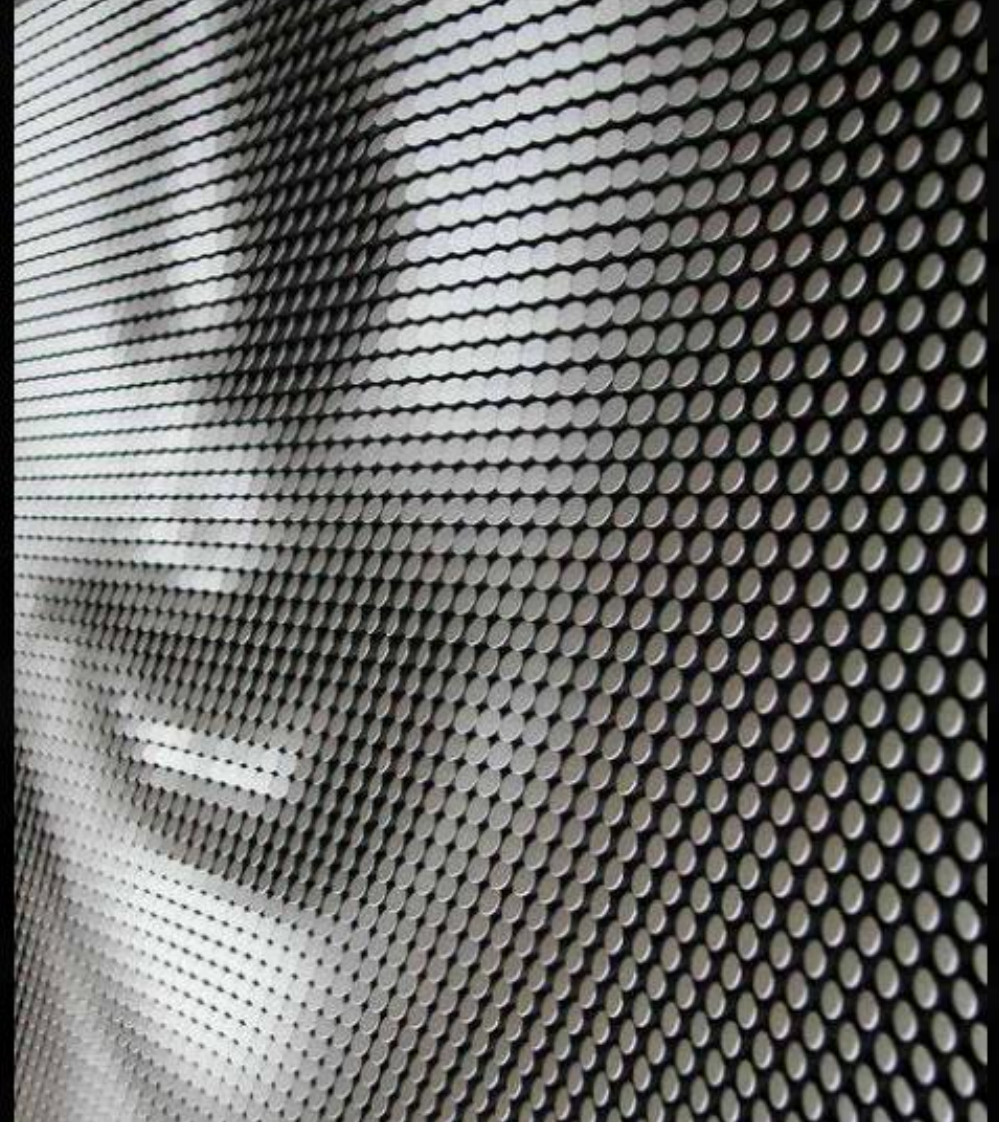
Showcasing an expanded portfolio of international projects and partnerships, we continue to expand the technology into new fields with more technical applications.



What is Ombrae?

A method and a means to control reflectance in a material.

Lighting control and guidance
Accoustical control and guidance
Airflow control and guidance
Thermal control and guidance



SKYPANEL 23 OPTICAL SHEET



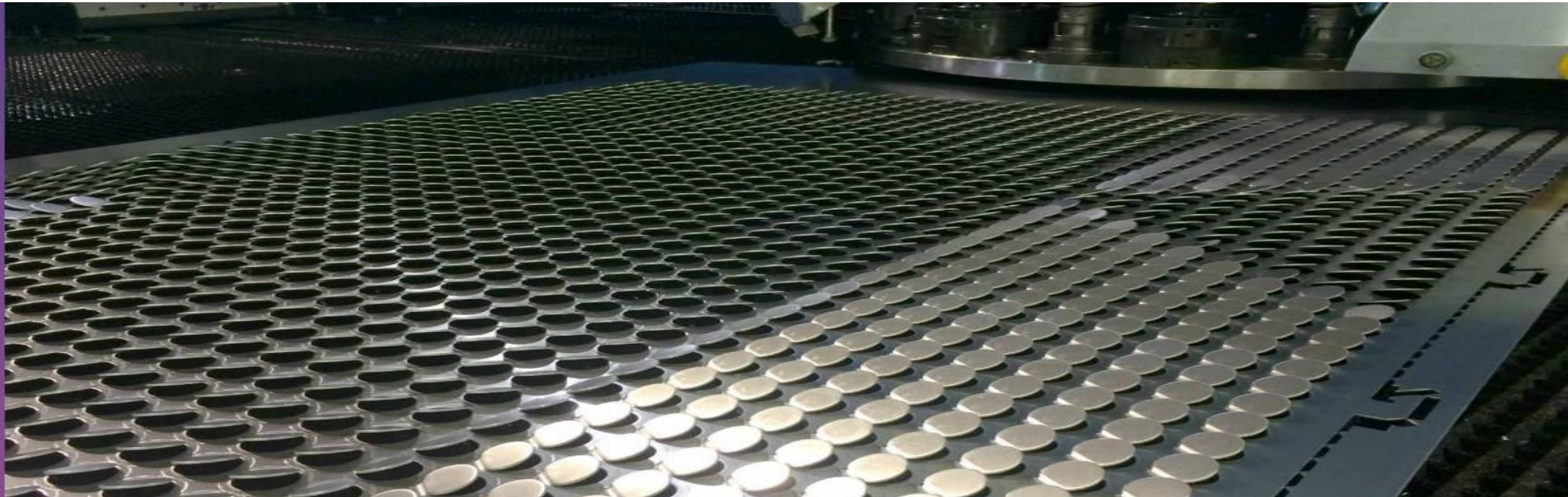
SKYPANEL 23 OPTICAL SHEET



2 mm ANAHTAR GEÇME LEVHA MONTAJI



Exterior Projects



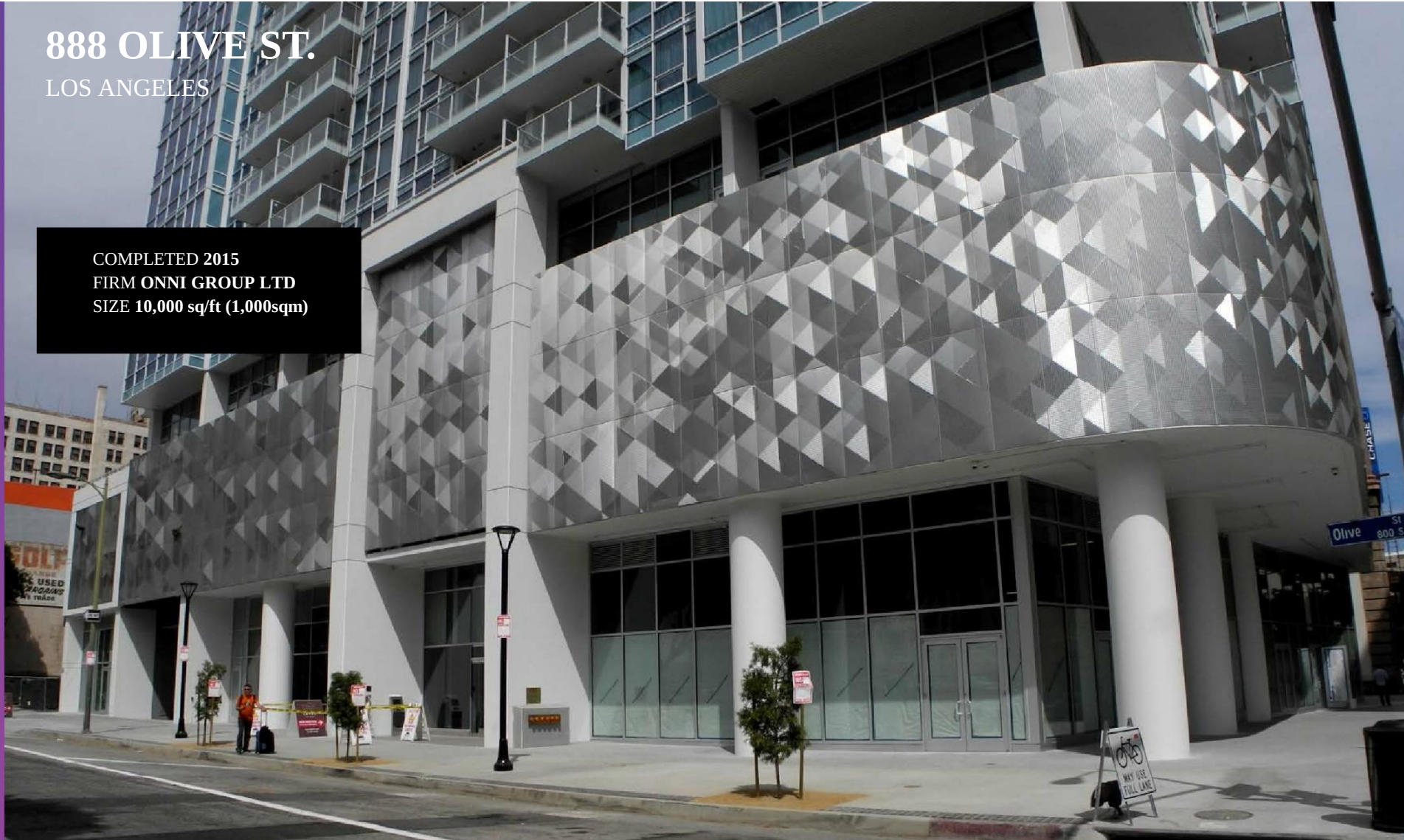
SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE



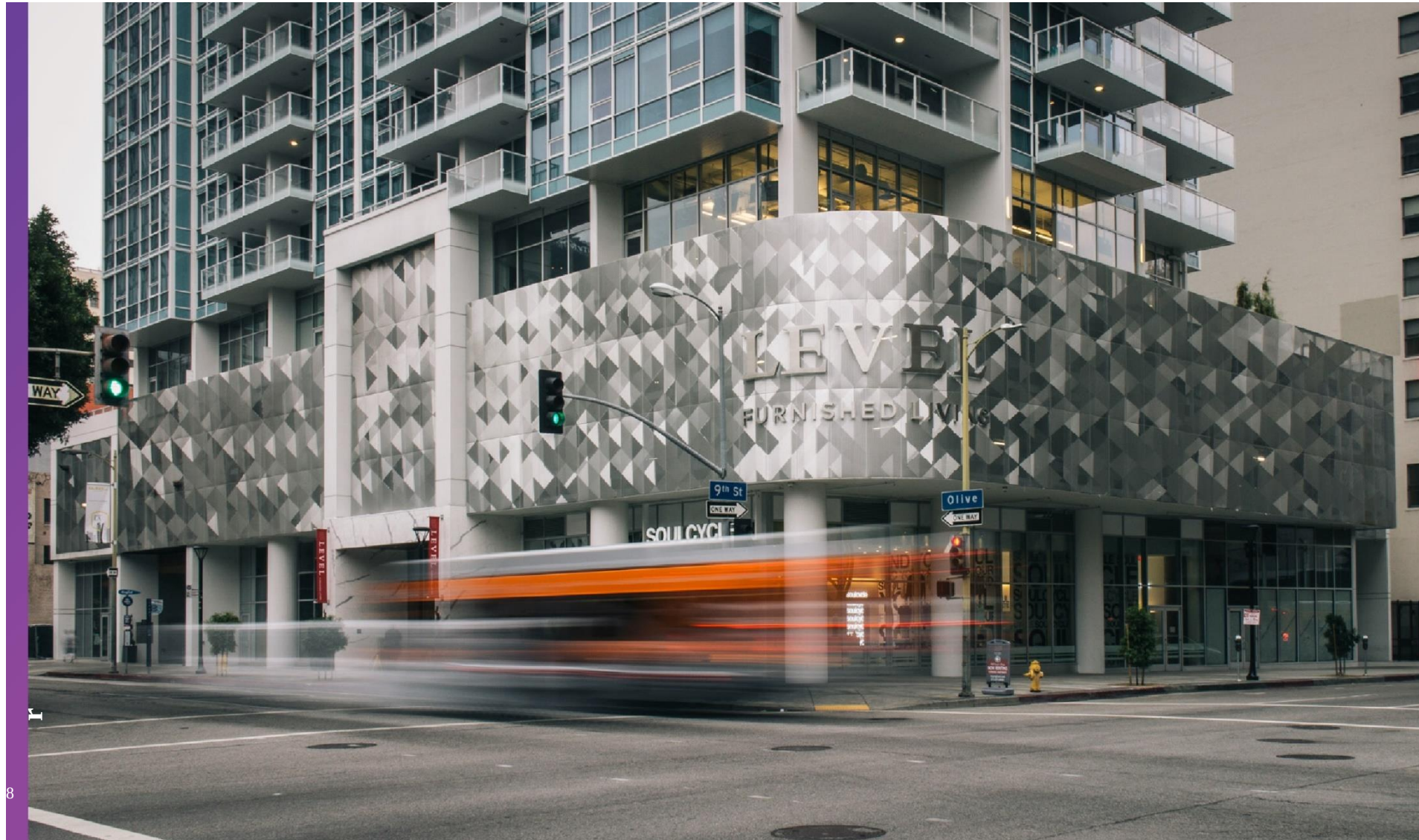
888 OLIVE ST.
LOS ANGELES

COMPLETED 2015
FIRM ONNI GROUP LTD
SIZE 10,000 sq/ft (1,000sqm)

exterior section title



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE



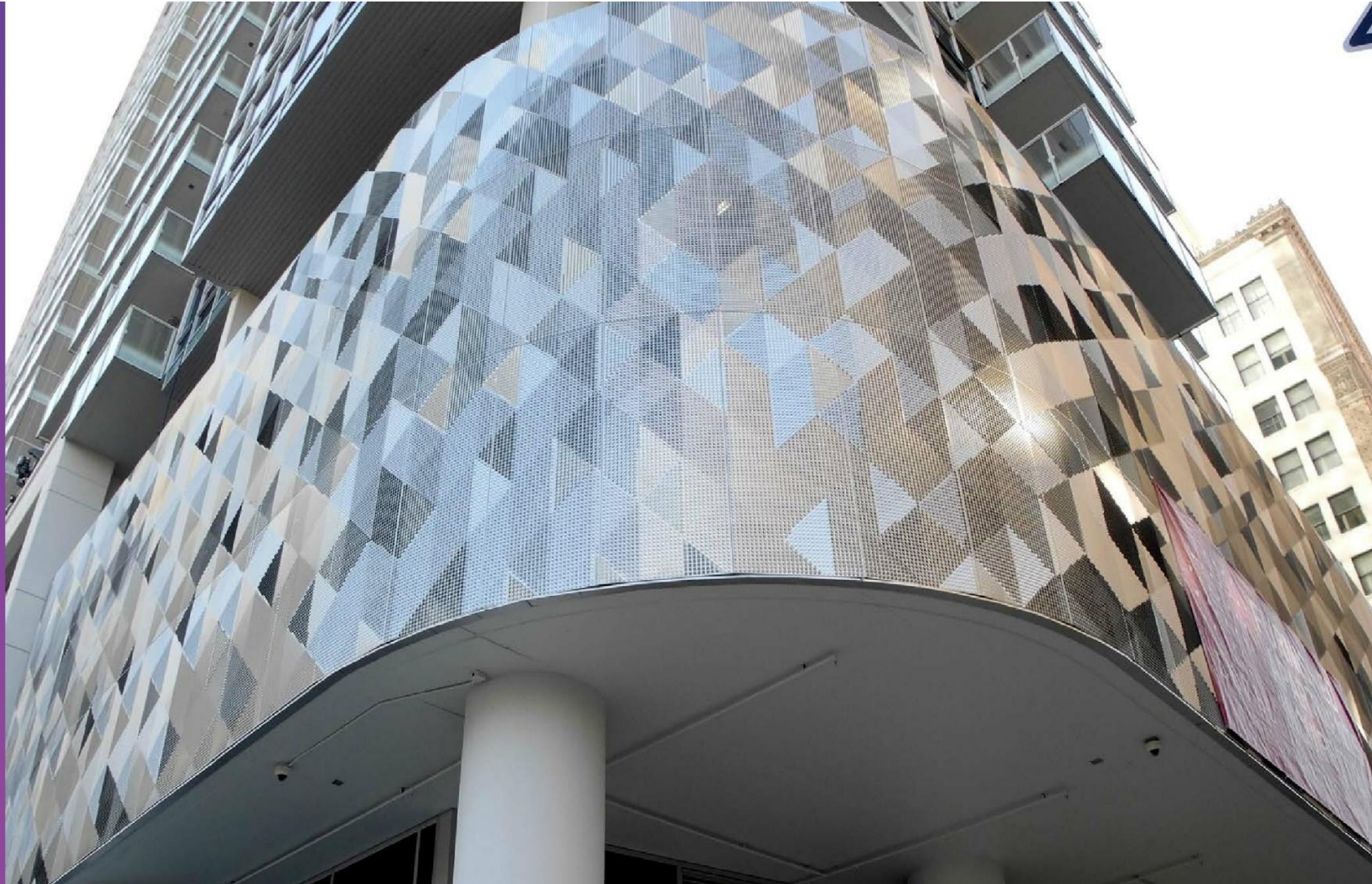
— exterior section title



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE



exterior - corner view



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE



exterior - corner interior view



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE



| exterior - interior view



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE



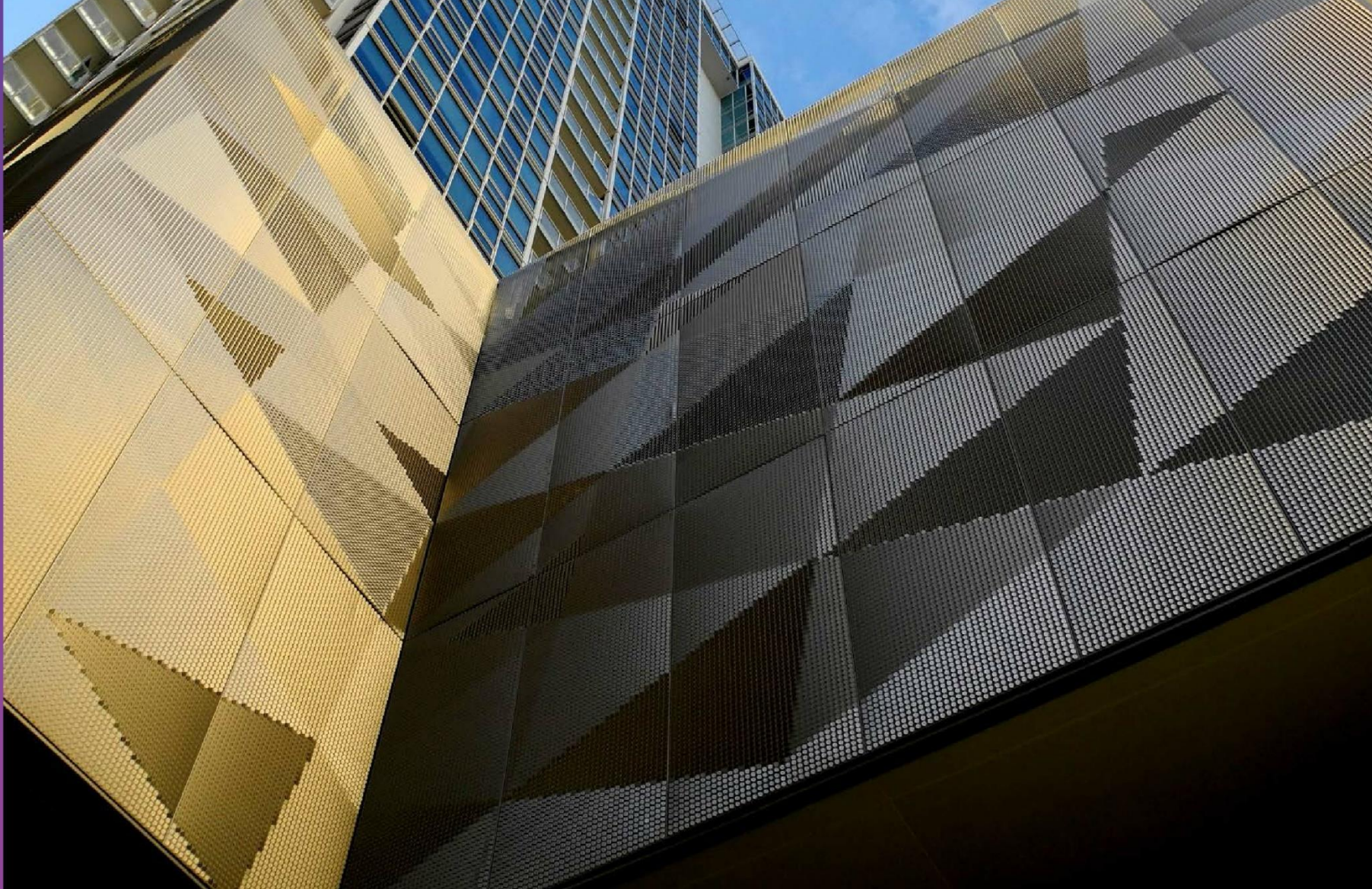
section title



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE



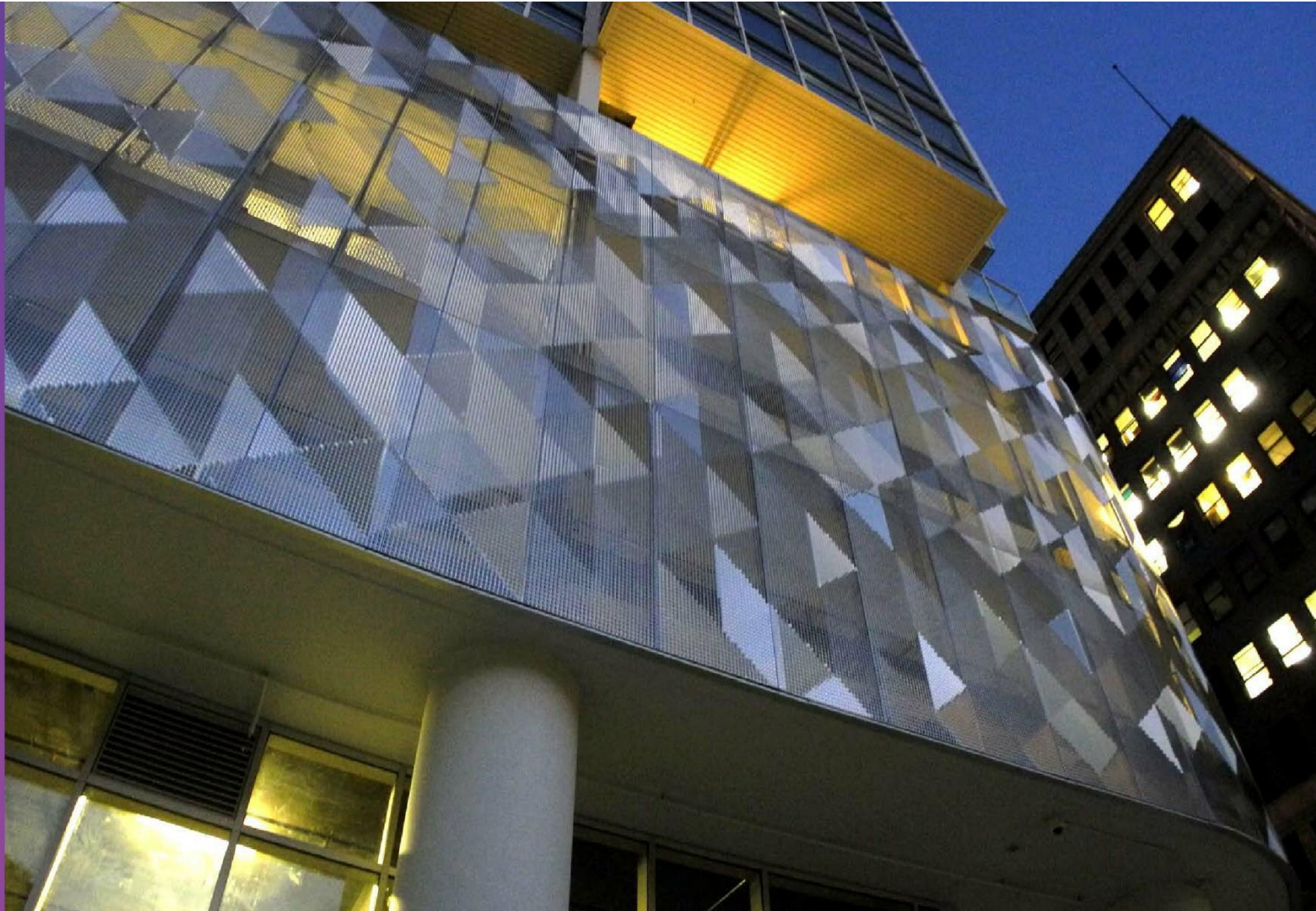
section title
exterior - golden hour at sunset



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE



— exterior section title



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

RESCARA
elite



inspiration

2



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

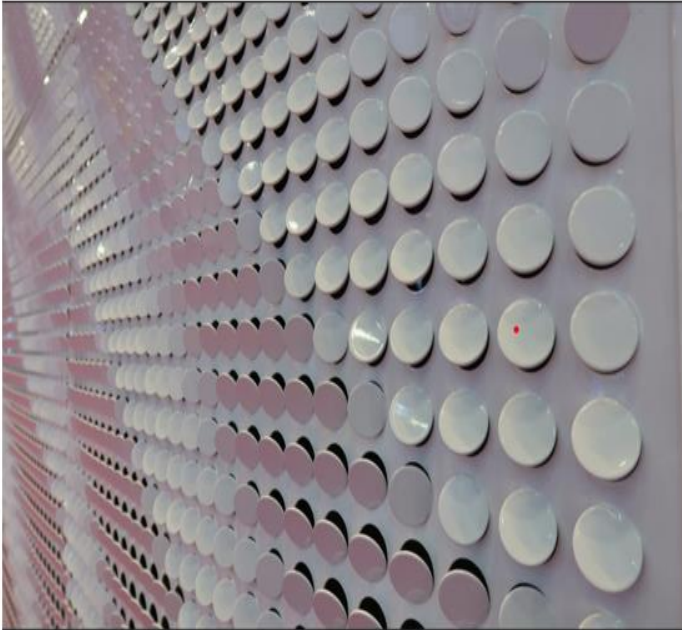
1. İŞİN TANIMI ve MALZEME

ASAŞ Alüminyum tarafından üretilen 2 mm ve 3 mm kalınlıklı perforé panellerin verilen yükleme durumu altında kalınlıklarının yeterliliklerinin tespitinin yapılması işidir.

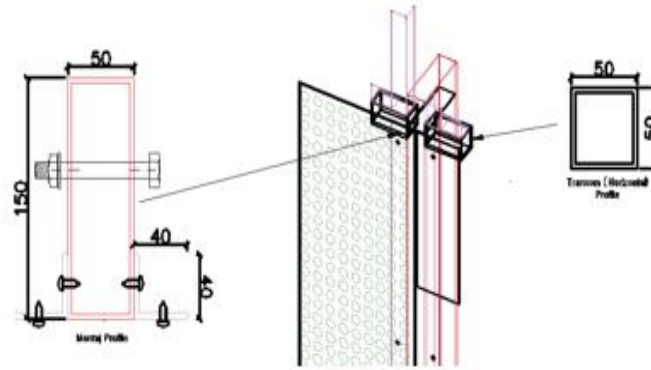
Bu sebeple projeye özel olarak tanımlanmış rüzgar yükü değeri 2.2 kN/m^2 olarak verilmiştir. Ayrıca panelin arkasında destekleyen düşey ve yatay profillerin kesitlerinin de tasarımının yapılması istenmektedir.

Kullanılacak olan malzeme alüminyum alaşım 3105B, akma mukavemeti 178 MPa , çekme mukavemeti 196 MPa dir.

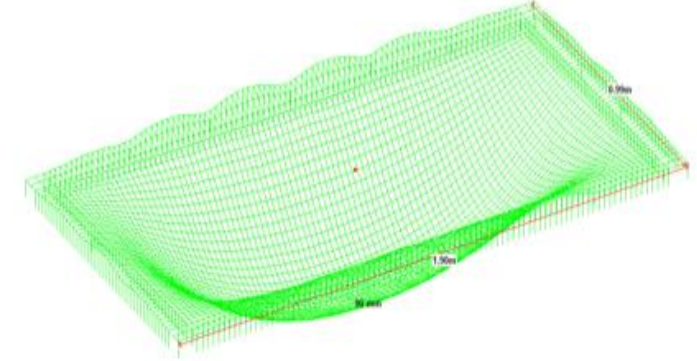
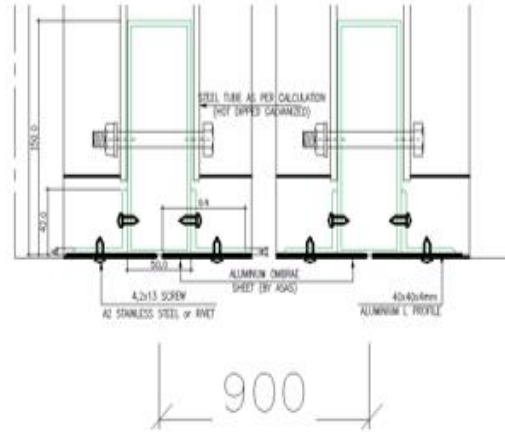
2. PANEL ÖZELLİKLERİ



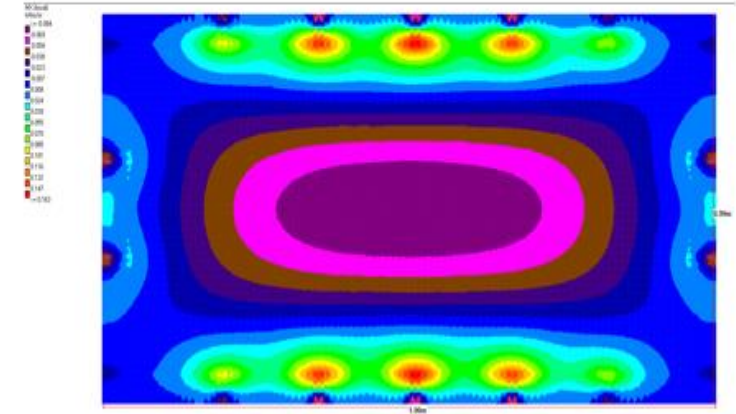
3. PANEL KALINLIKLARI VE MESNETLEME KOŞULLARI



• Tipik mesnetleme detayı



- Maksimum deplasman miktarı (90 mm.)



- Maksimum eğilme momenti değeri ($M_{max}=0.163 \text{ kNcm/cm}$)

Maksimum gerilme, $f_d=244 \text{ MPa} > f_{yd}/1.65 = 178/1.65=108 \text{ MPa}$

2 mm. kalınlık verilen ebat ve mesnetlenme koşulları için hem sehim hem de gerilme

kısıtlamalarını sağlamıştır.

Dok. No: 1855-01

Rev.: 2

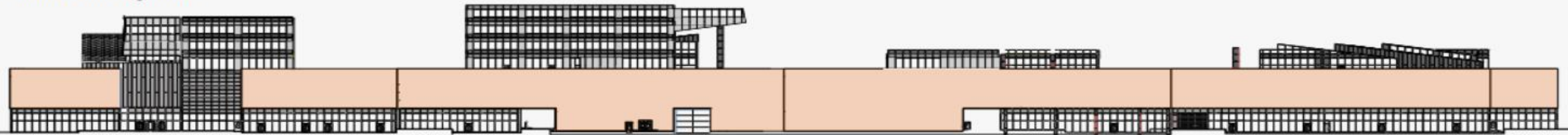
Page No 7 / 30

Date : 02.07.2018

SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

CONTEXT FOR DEVELOPMENT

Ombrae coverage area



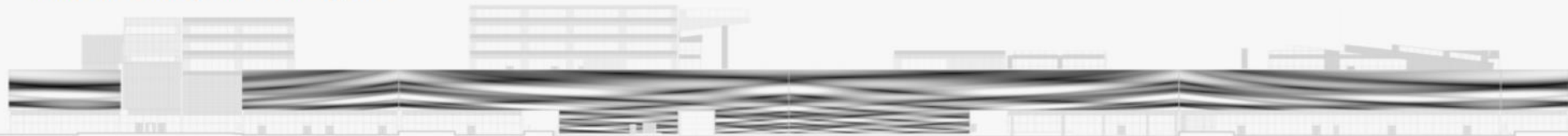
EAST

NORTH

WEST

SOUTH

Ombrae Initial Conceptual Artwork: Option 2



Feedback on Possible Visual Direction from Kasian



EAST

NORTH

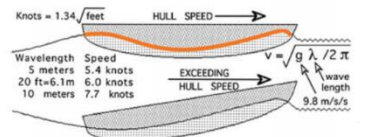
WEST

SOUTH

SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE



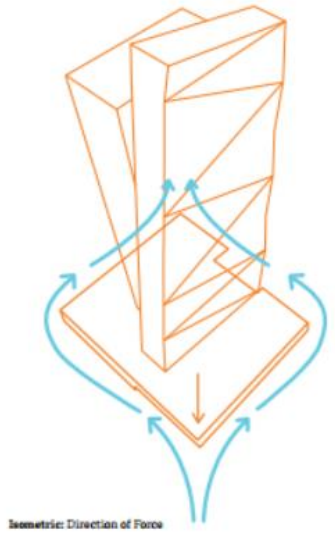
INSPIRATION IMAGES



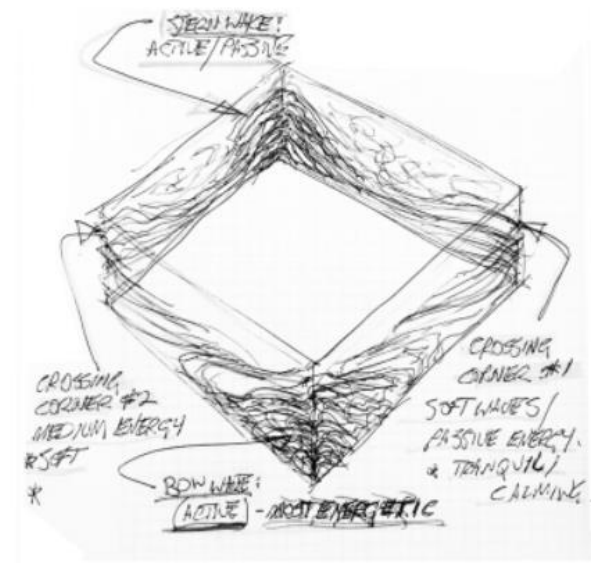
Hull Speed: Wake forms visualize conceptual speed of building travelling through water.



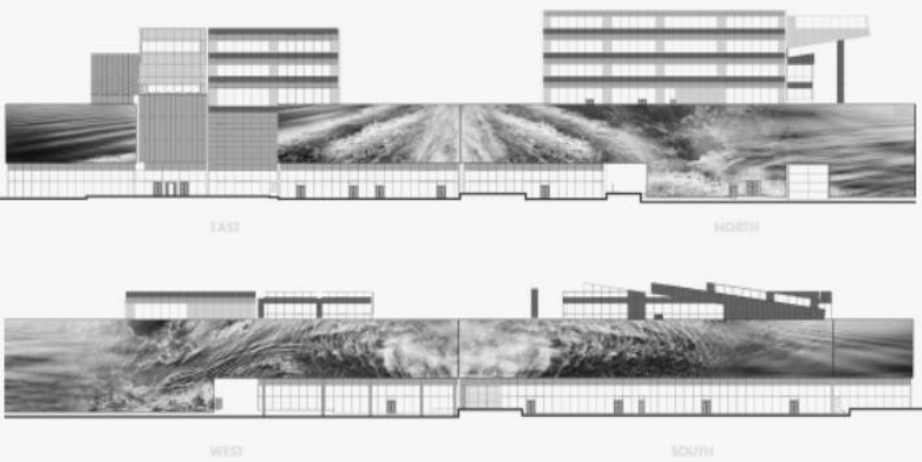
DESIGN CONCEPT



Isometrics: Direction of Force



MOUNTED FINAL ARTWORK - DETAIL VIEW



3D MODEL PREVISUALIZATION

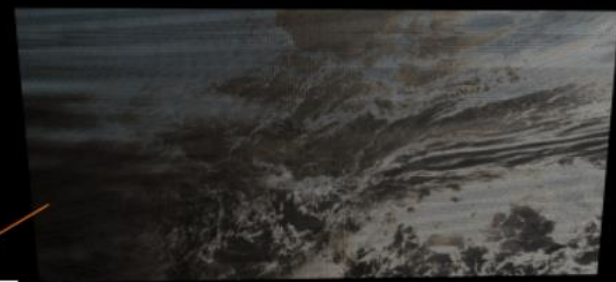
Artwork Crop

We selected 35 x 8 panel area of the West Elevation:

Coverage Area
31.5m x 15.8m

Virtual Mockup Specifications
50mm OpticalTiles™ diameter
66mm pitch on-centre distance

Note: Actual panels will be 25mm / 33mm pitch. We used doubled the diameter for this virtual mockup, for life size limitations. Panel borders not visualized.



Clickable mode



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

RESCARA
elite



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

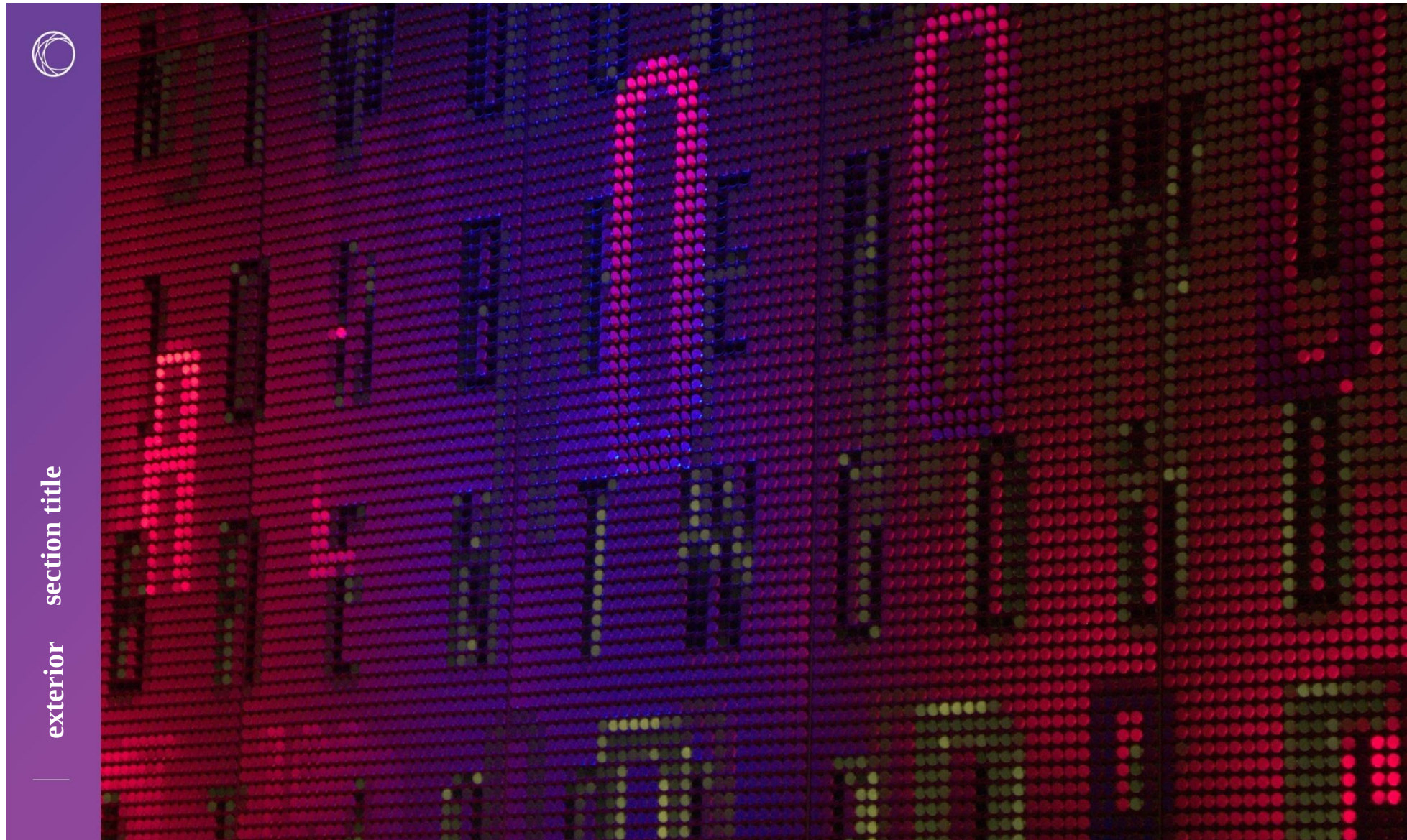
RESCARA
elite



architectural projects



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

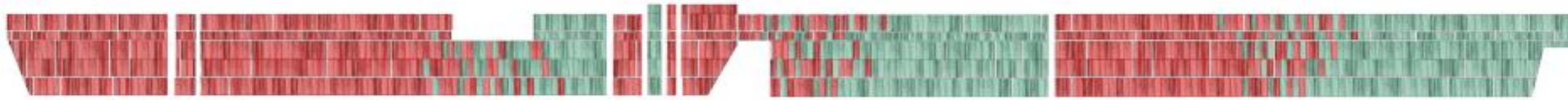


SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

ARTWORK



VIEW OPTIMIZATION



Legend

- Counter-clockwise
- Clockwise

SITE PHOTOS





DARLING SQUARE SYDNEY

COMPLETED 2017
FIRM **WOODS BAGOT**
SIZE 25,000 sq/ft (2,500sqm)

exterior



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE



architectural projects

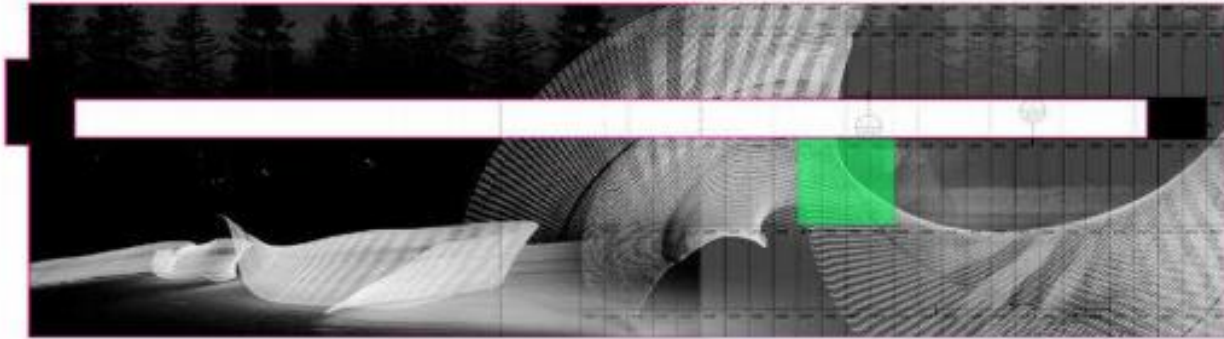


SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE





SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE



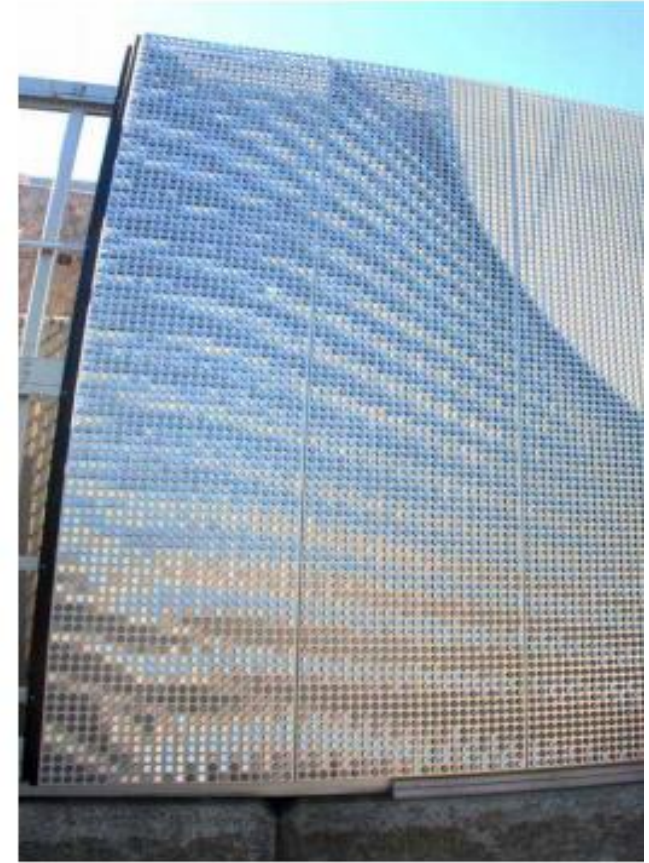
Context



Input Artwork



2D Pixel Output



Full-scale Mockup

SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE



ICE DISTRICT - TOWER D EDMONTON

COMPLETED 2016
FIRM STANTEC ARCHITECTS
SIZE 10,000 sq/ft (1,000sqm)

exterior



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

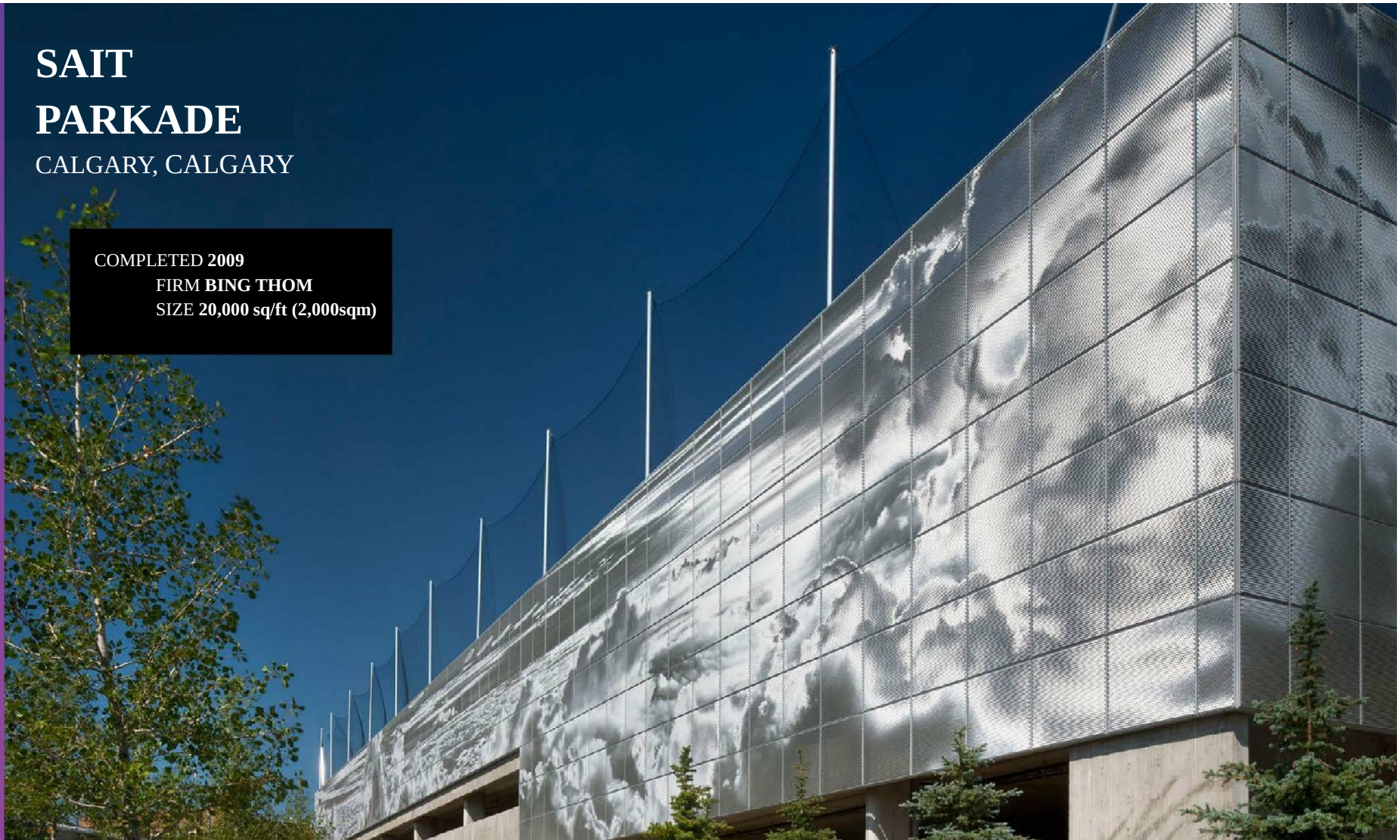


exterior



SAIT PARKADE CALGARY, CALGARY

COMPLETED 2009
FIRM BING THOM
SIZE 20,000 sq/ft (2,000sqm)



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE



exterior



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE



— exterior





exterior section title

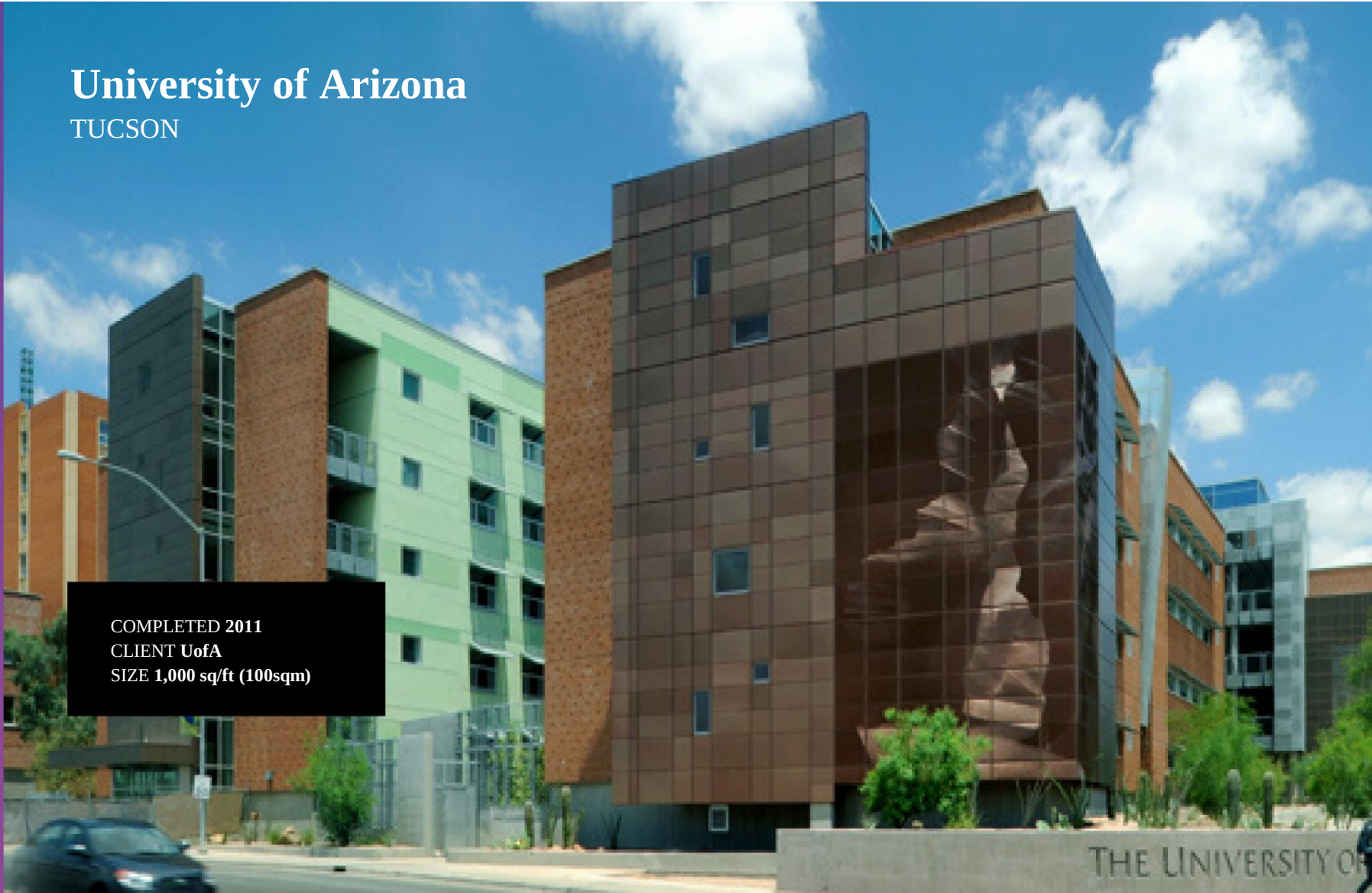




University of Arizona TUCSON

exterior

COMPLETED 2011
CLIENT UofA
SIZE 1,000 sq/ft (100sqm)

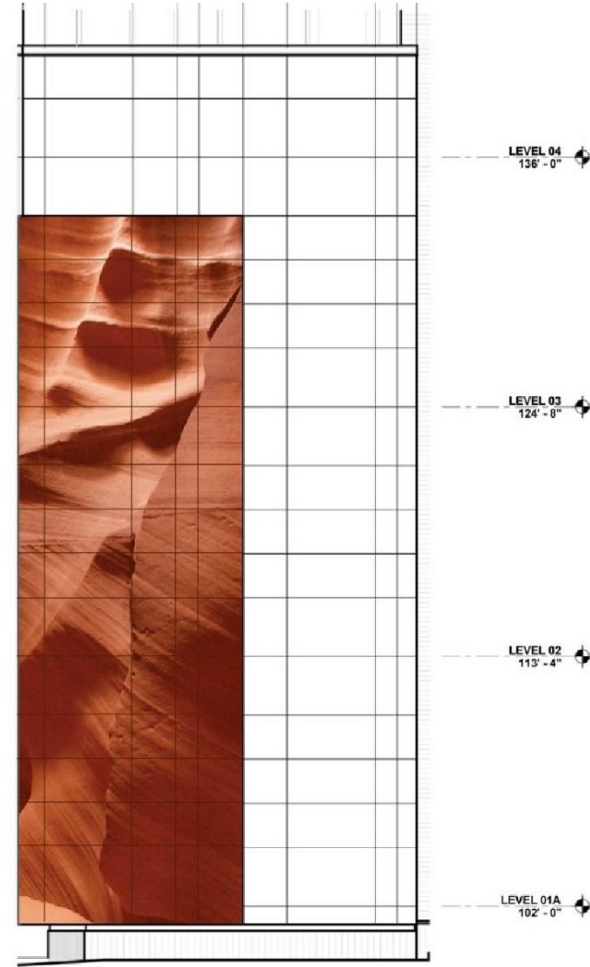
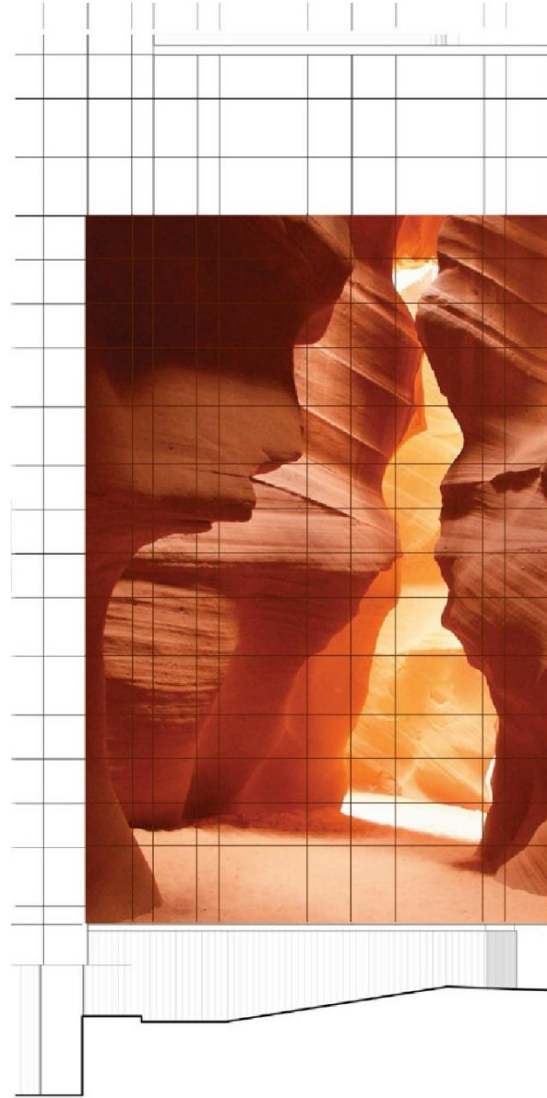


THE UNIVERSITY OF

SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

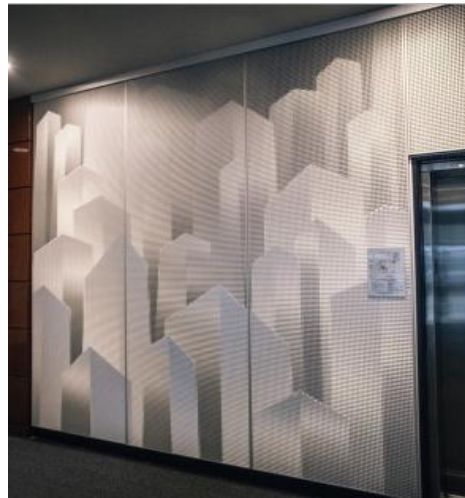


exterior - artwork





SKYPANEL 23 OPTICAL SHEET



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE



474 NATOMA ST.
SAN FRANCISCO

COMPLETED 2014
FIRM LEDDY MAYTUM STACY
SIZE 600 sq/ft (60sqm)



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE



exterior





Interior Projects



MBAC OFFICE FEATURE WALL CALGARY

COMPLETED 2014
FIRM MBAC
SIZE 300 sq/ft (30sqm)



interior section title





METROPOLITAN TOWERS

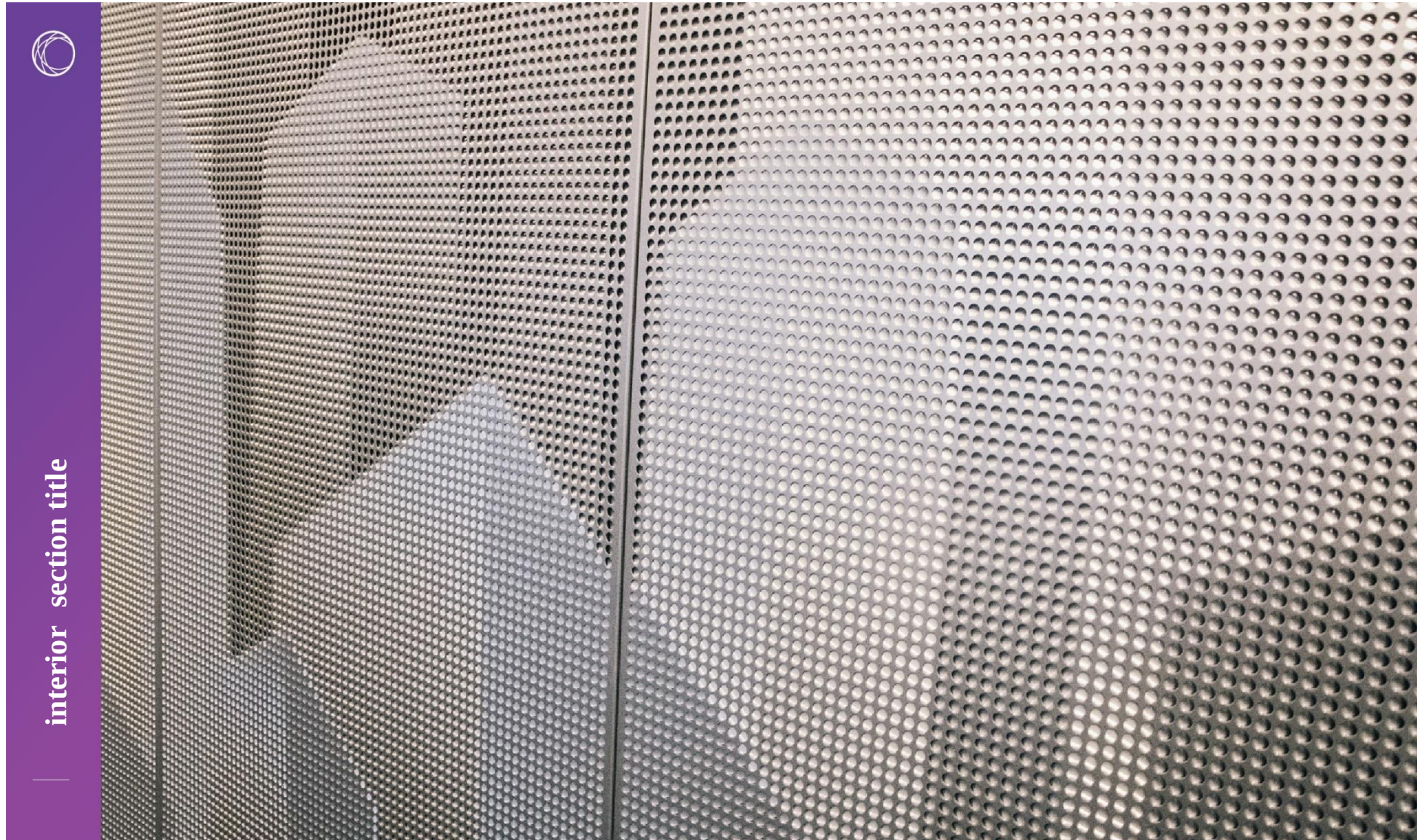
VANCOUVER

COMPLETED 2017
FIRM **BENTALL KENNEDY**
SIZE 350 sq/ft (35sqm)

interior section title



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE



interior



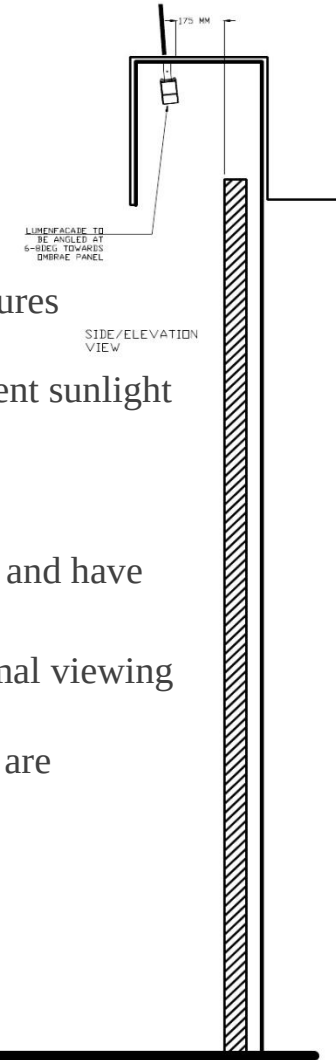


interior - lighting plan



- 1 Specified Lumenpulse fixtures
- 2 Global lighting from ambient sunlight

We learned from the mockup, and have completely re-coded the artwork for optimal viewing based on given lighting environment. Results are rendered on next page:



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

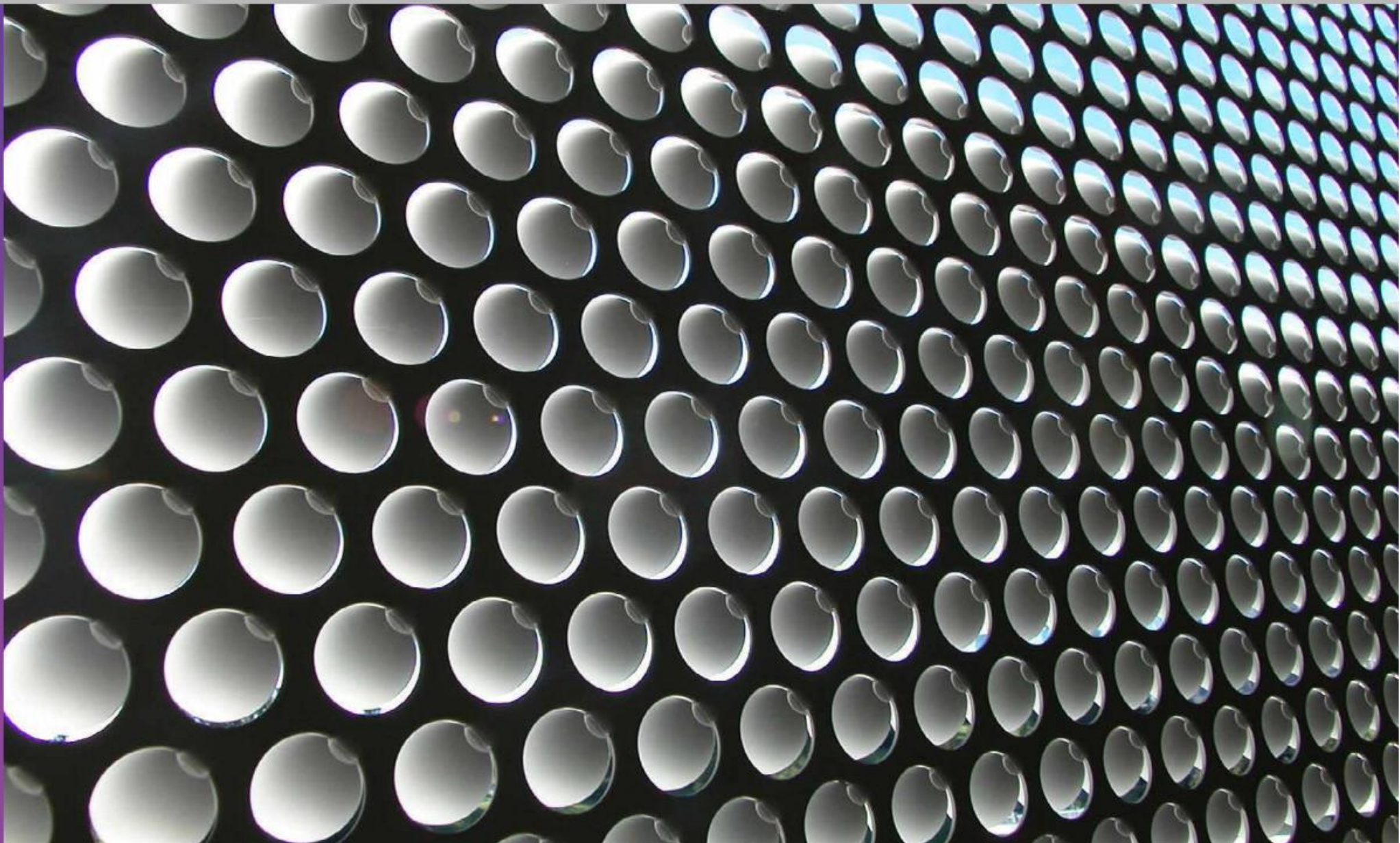


WAVE ECO

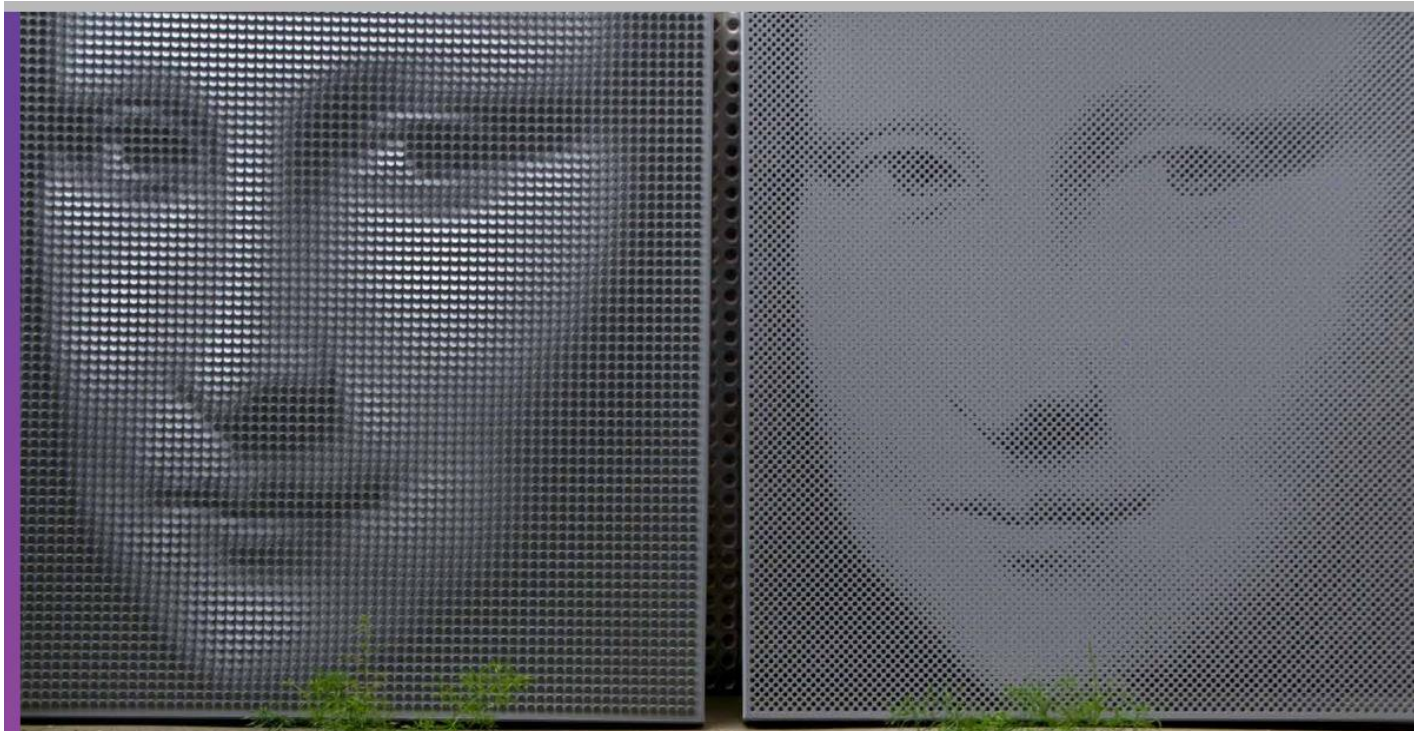
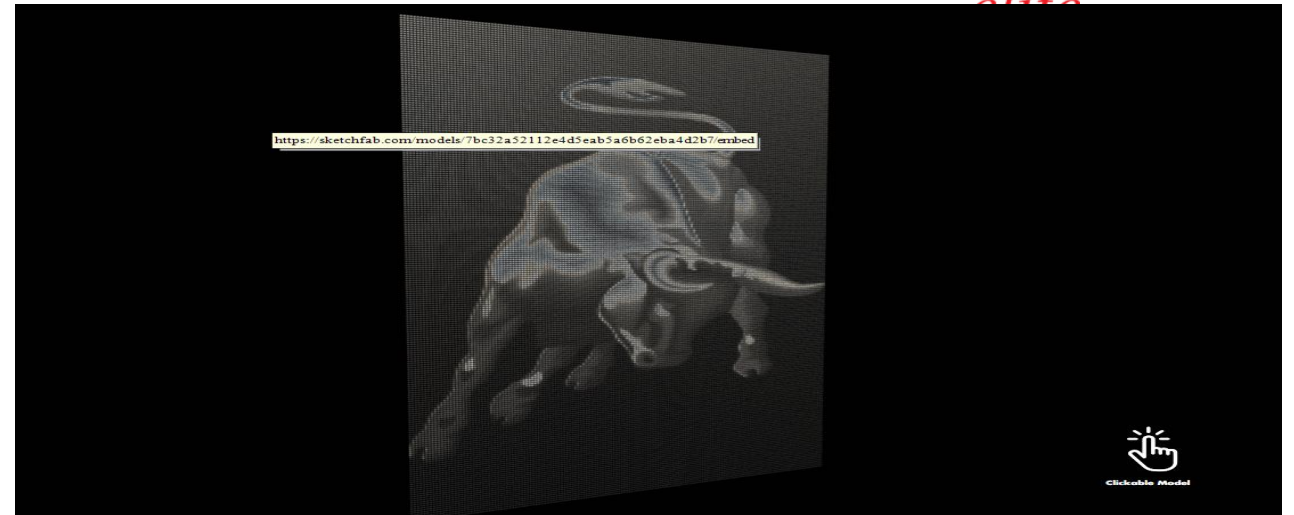
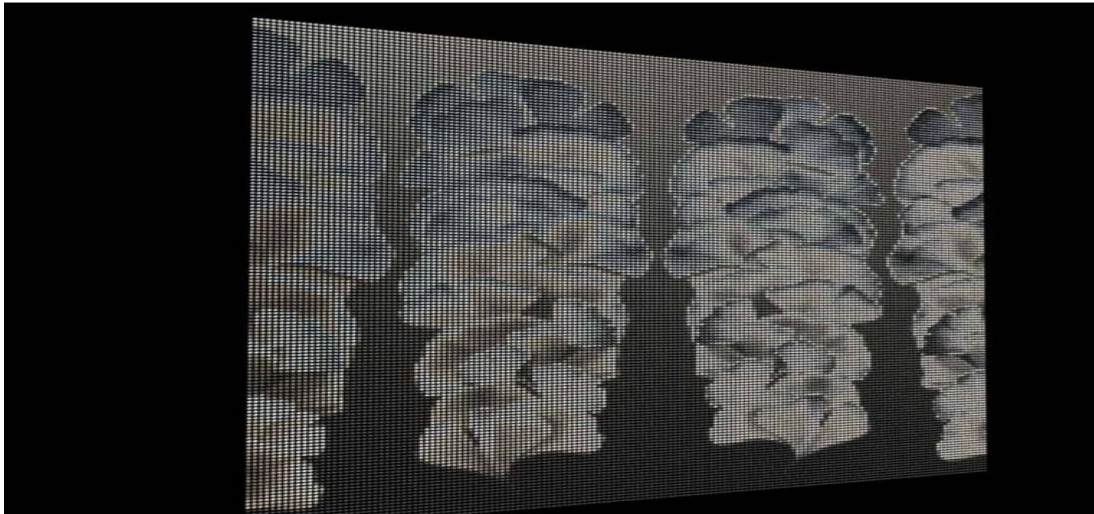
MILAN



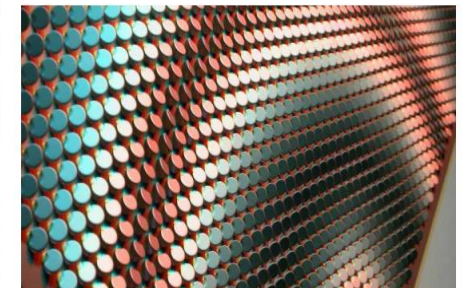
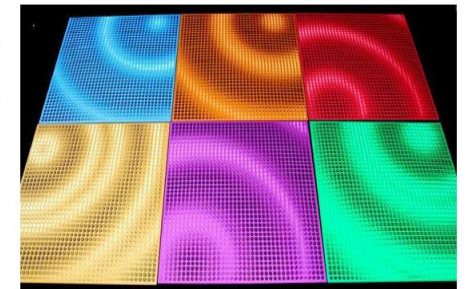
COMPLETED **2014**
FIRM **EVOSTONE**
SIZE **300 sq/ft (30sqm)**



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE



OMBRAE RIPPLE SAMPLE



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE



sample panels - pyramid concept



Clickable Model

SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE



<https://sketchfab.com/models/1abde08bc02d49799030c1c96cdf5b55/embed>

sample panels - bull logo



Clickable Model

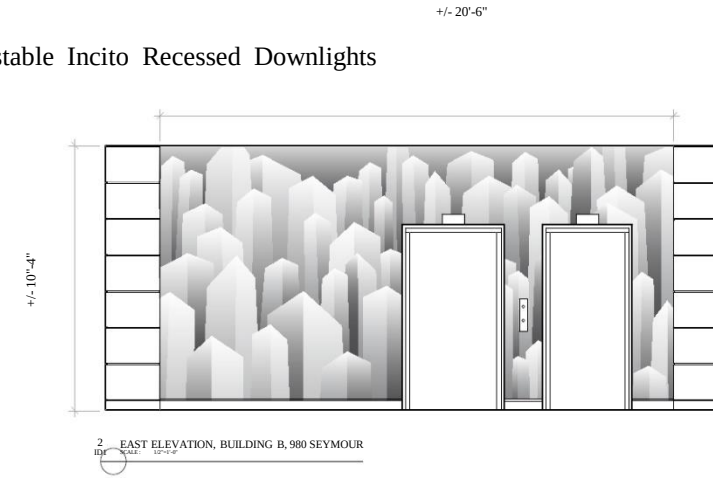
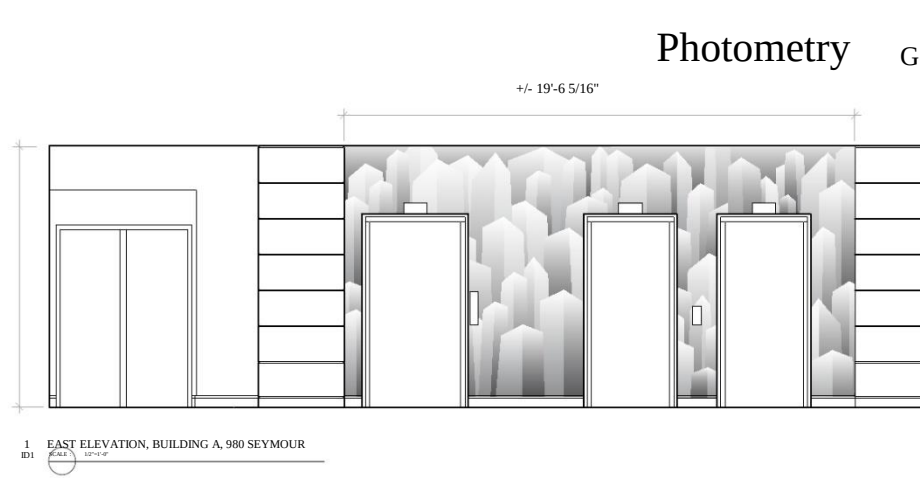
SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE



interior - artwork / lighting tests

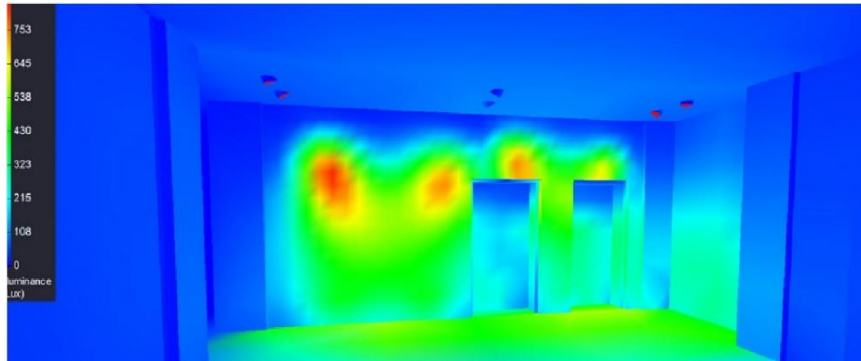
Photometry

Gotham 6" Adjustable Incito Recessed Downlights



Photometry

Gotham 6" Adjustable Incito Recessed Downlights



Solution:

RePLaCe tHe 6 x 6" ReCeSSeD DoWnLigHtS WiTh aDjuStaBLe 2000LM Re-CeSSeD DoWnLigHtS WiTh 40Deg BeAMS to PRoViDe geneRaL and MiniMuM RequiReDiLuMination in tHe LoBBY WHiLe aCCenting tHe oMBrae PaNeL PixeS.



TEŞEKKÜRLER