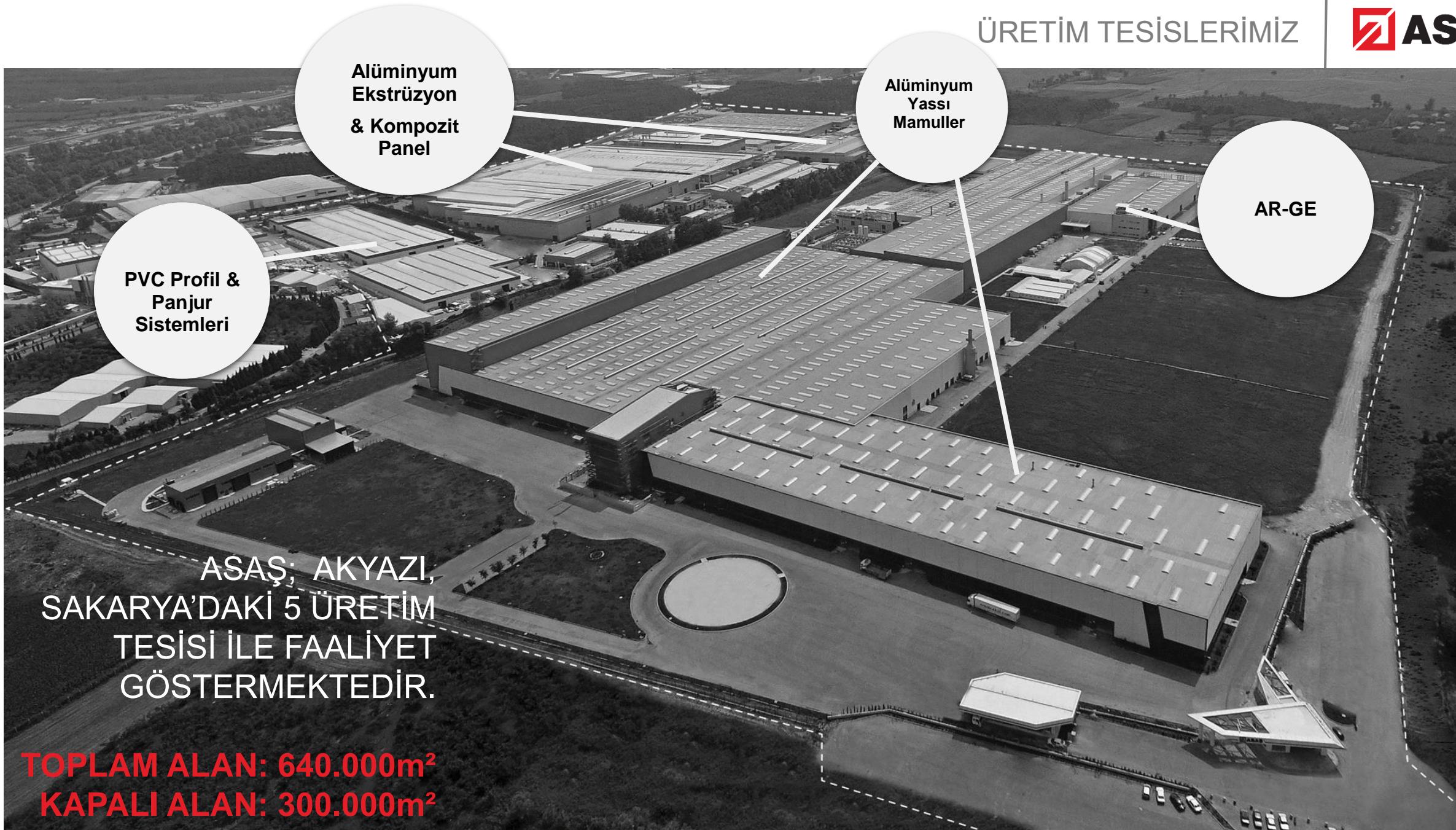




RESCARA – Skypanel/Ombrae Ürün Tanıtımı

ÜRETİM TESİSLERİMİZ





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 sanatçilar ve akademisyenler için «öğrenme, paylaşma, tasarım ve üretimin» birleştiği bir platform.

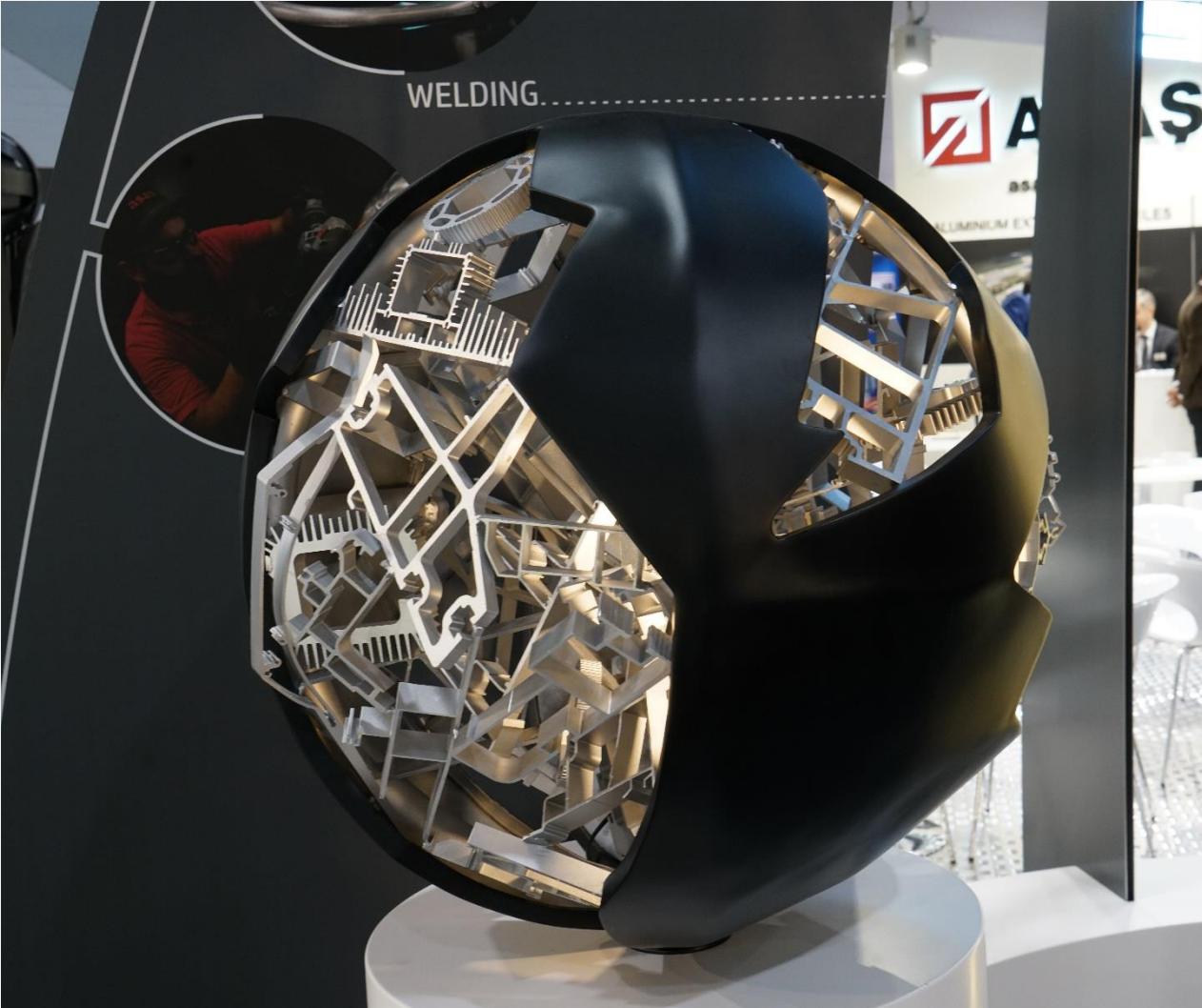
Fabrikanın geniş imkanları dahilinde, sanatçılardan ve tasarımcıların yaratıcı fikirlerini uygulamaya taşıyabildikleri bir merkez.

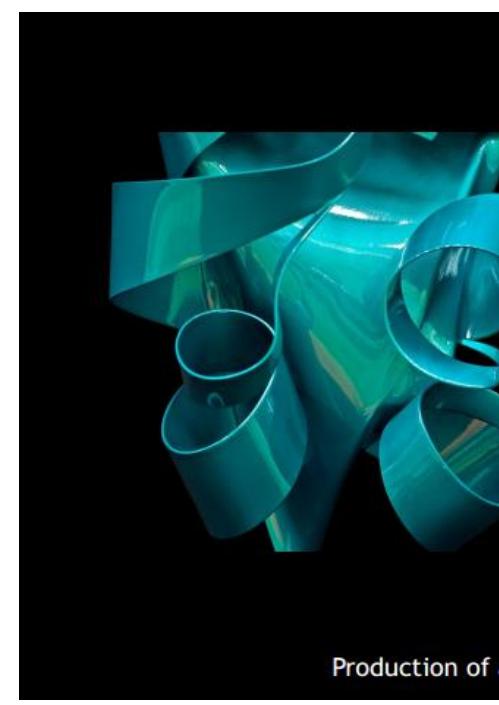
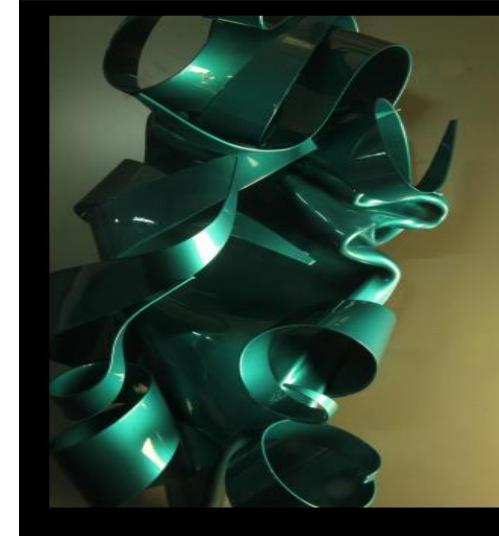
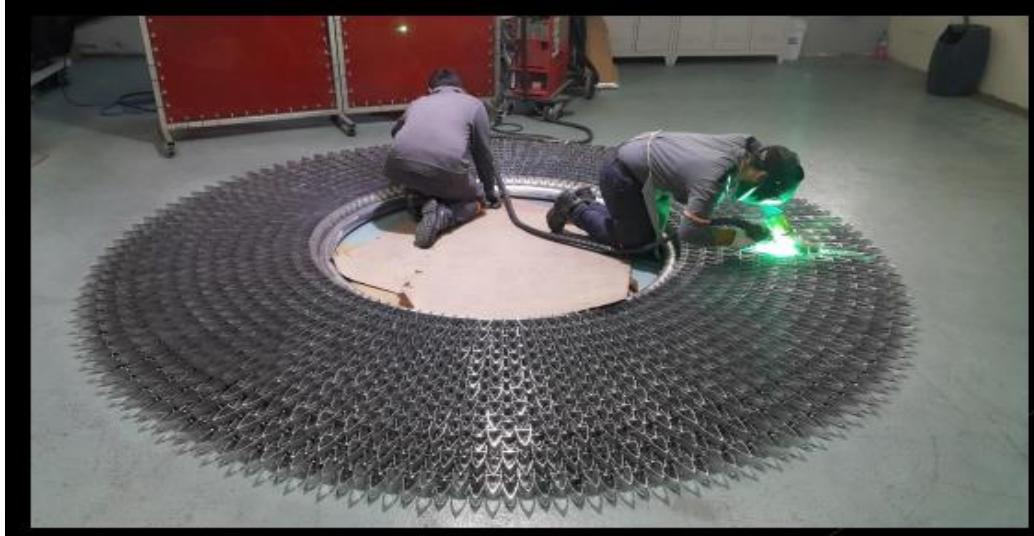
Farklı disiplinlerin birbiriyle kaynaştığı bir bakış açısıyla, tüm yeni fikirlerin ve üretim tekniklerinin denendiği bir atölye.



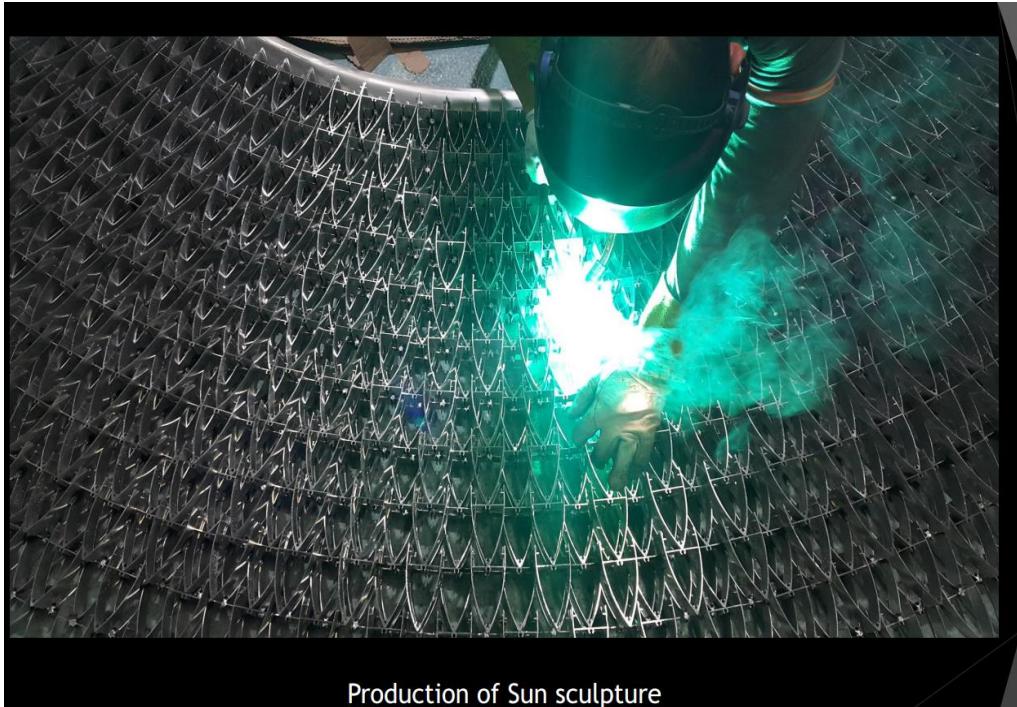
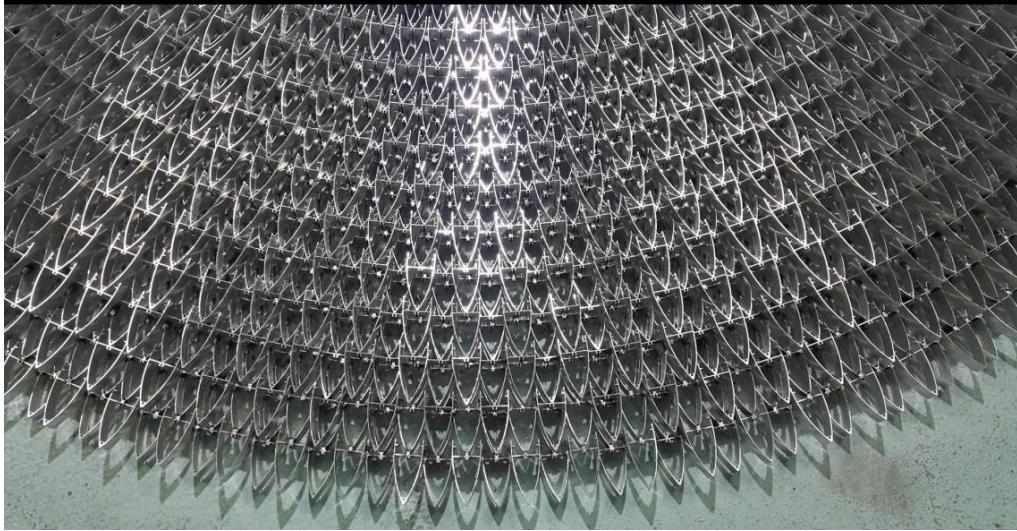
**SANATIN ENDÜSTRİ
İLE BULUŞMASI**
ASAŞSANAT







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

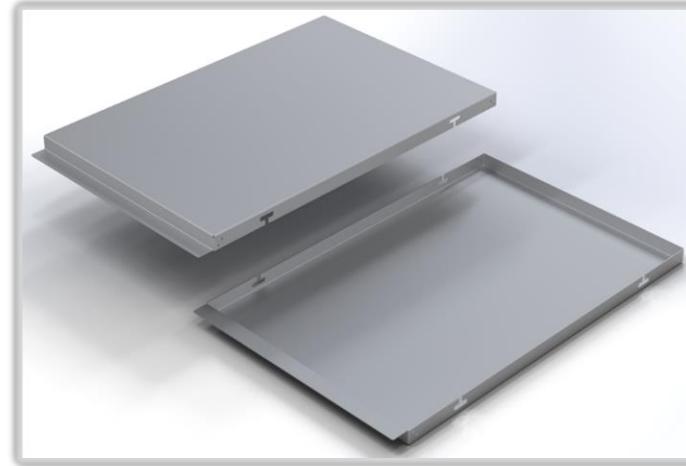


Proje Tanımı

- ❖ **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 boyası /Class II-III Toz Boya (Tüm Ral Renkler)
- Uygulama Alanı : Dış Mekan / İç Mekan Uygulamaları
- Yanma Sınıfı : A1 - A2-s1 d0
- Boyut :
 - Boy : 370mm/3.500 mm (Panel:3.350mm)
 - En : 180mm /1.600 mm



SKYPANEL 23



SKYPANEL 23



HAVALANDIRMALI
CEPELER

DEKORATİF
CEPELER

DEKORATİF DUVAR
KAPLAMALARI



KASTE TİP

PERÇİN TİP

H-PROFİL TİP



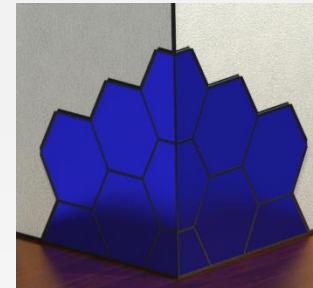
OPTICAL SHEET

DECO SHEET

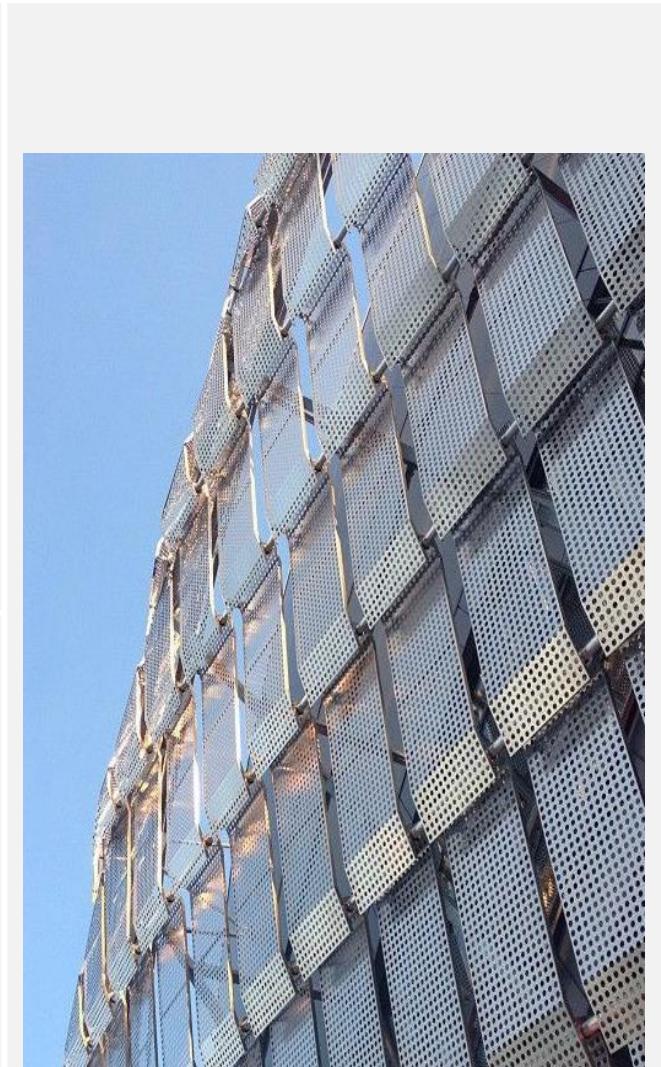
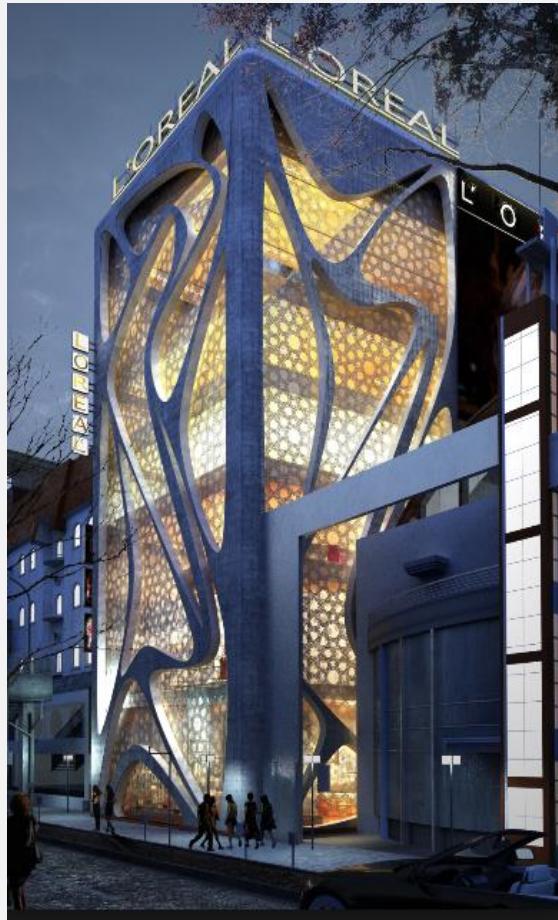


ALUCERA / B-NEST

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

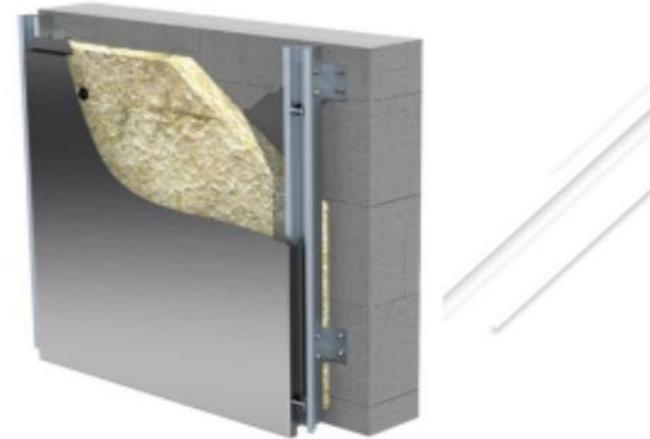
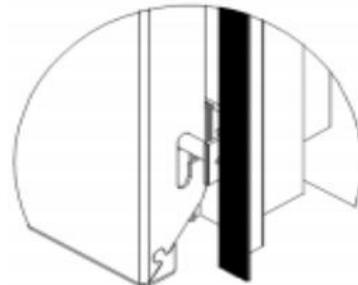
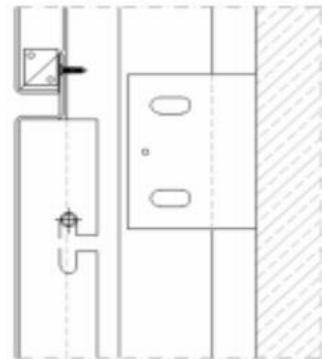
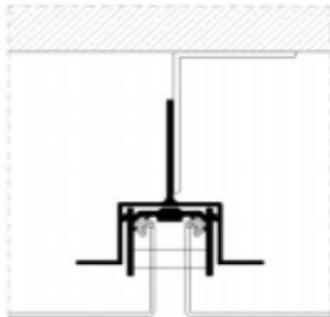
RESCARA
elite

YENİ SİSTEMLER RESP 23

➤ SKY PANEL 23 CEPHELER İÇİN ALÜMİNYUM PANEL

MONTAJ TİPİ

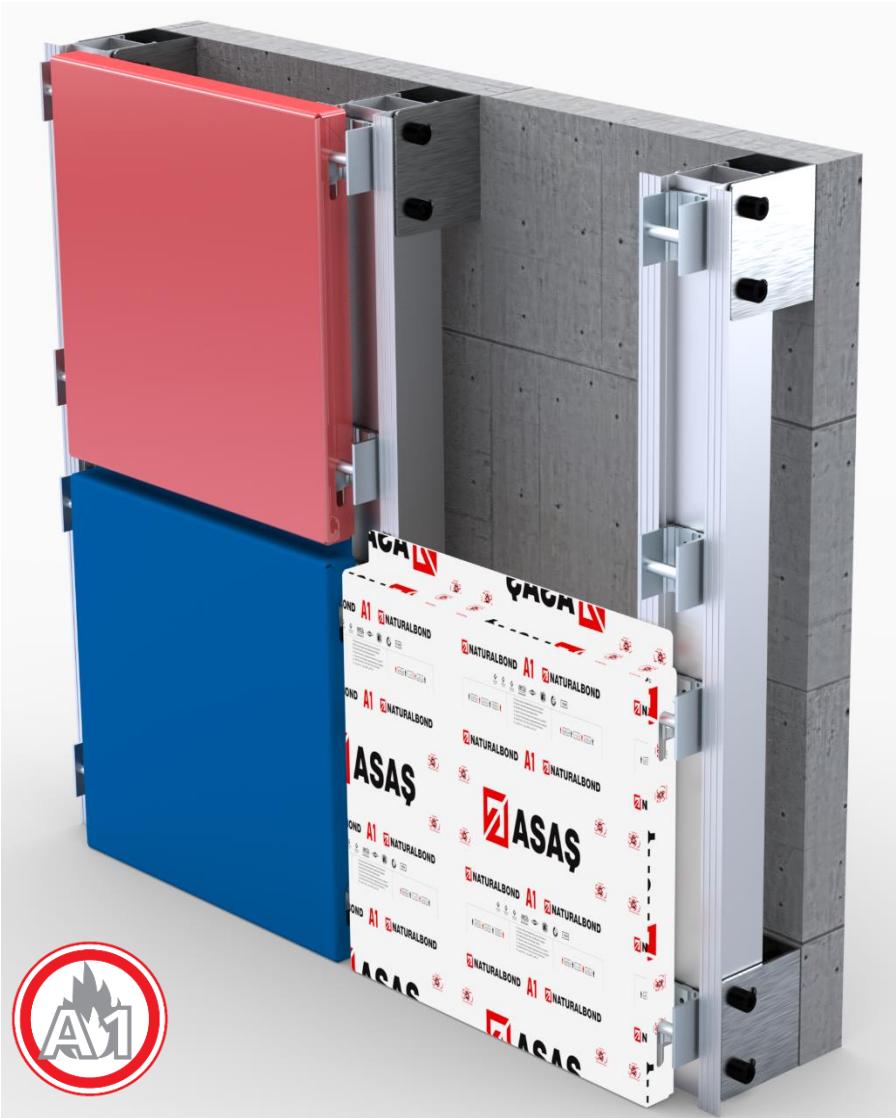
- KASETLİ SİSTEM V3



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

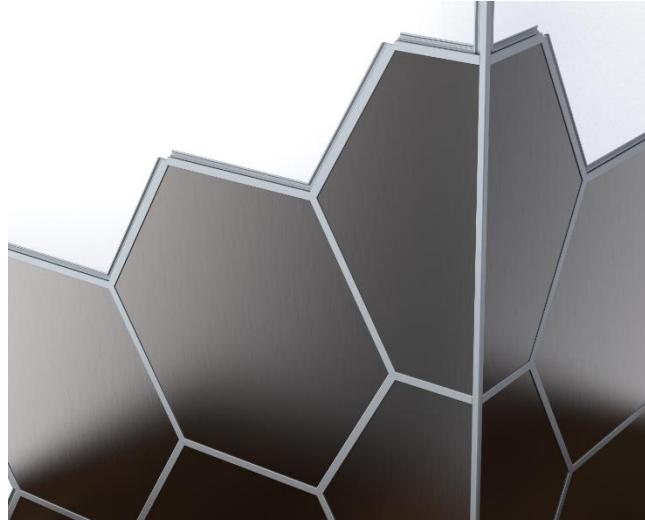
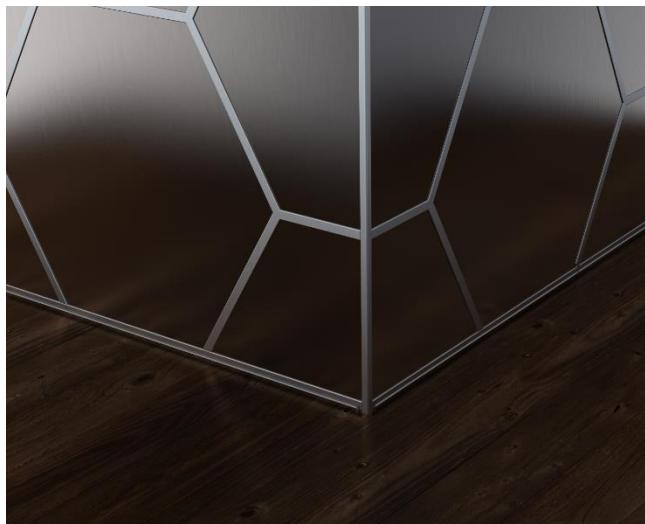
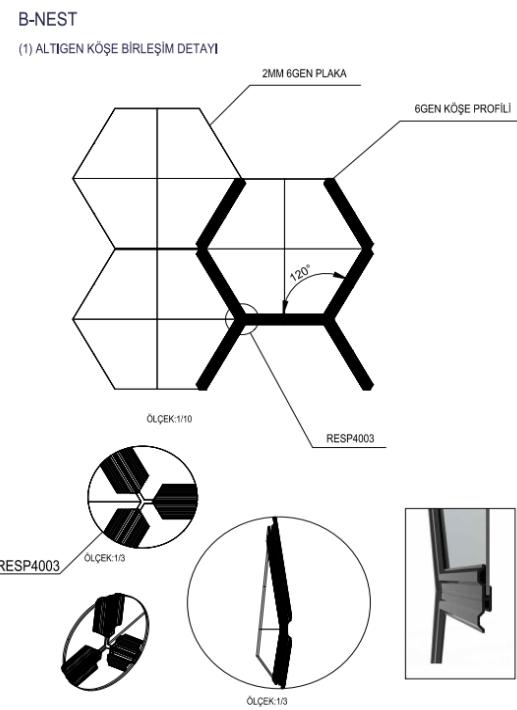
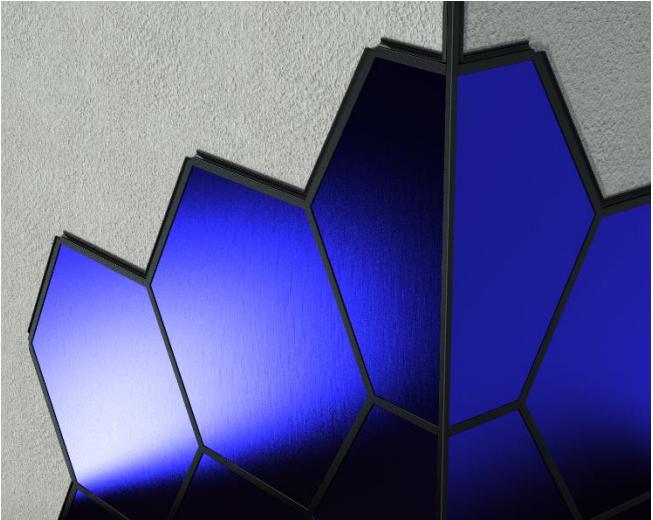
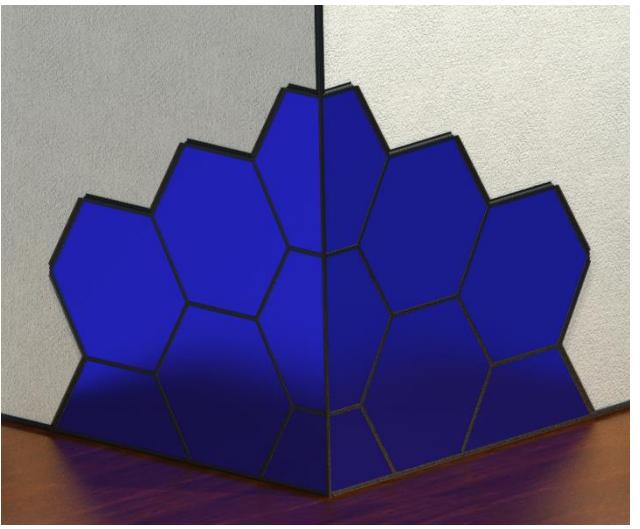
RESCARA
elite

SKYPANEL 23 DECO SHEET

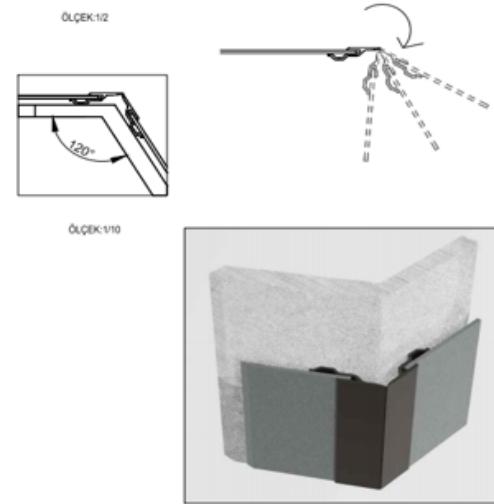
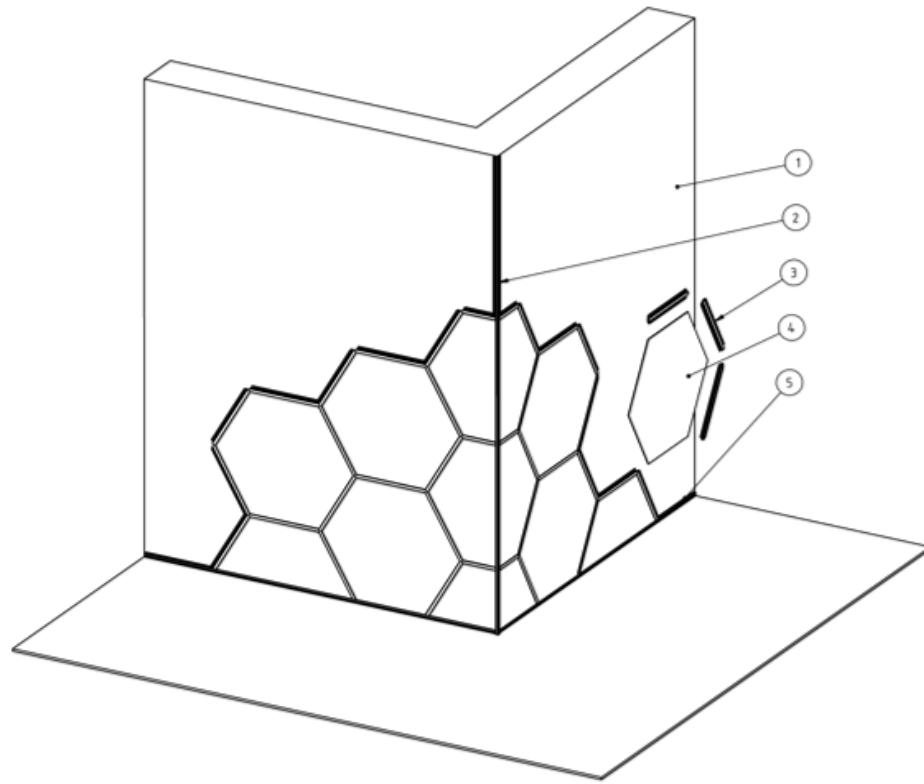


RESCARA
elite

SKYPANEL 23 ALUCERA / B-NEST



SKYPANEL 23 ALUCERA B-NEST



SIRA NO	TANIM
1	DUVAR
2	DIŞ KÖŞE PROFİLİ
3	BİRLEŞTİRME PROFİLİ
4	ALÜMİNYUM LEVHA
5	ALT VE YAN BİTİŞ PROFİLİ

SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE



SKYPANEL – Ombræ Optical Sheet

Copyright ©2017 Ombræ Inc and its licensors. All rights reserved.





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

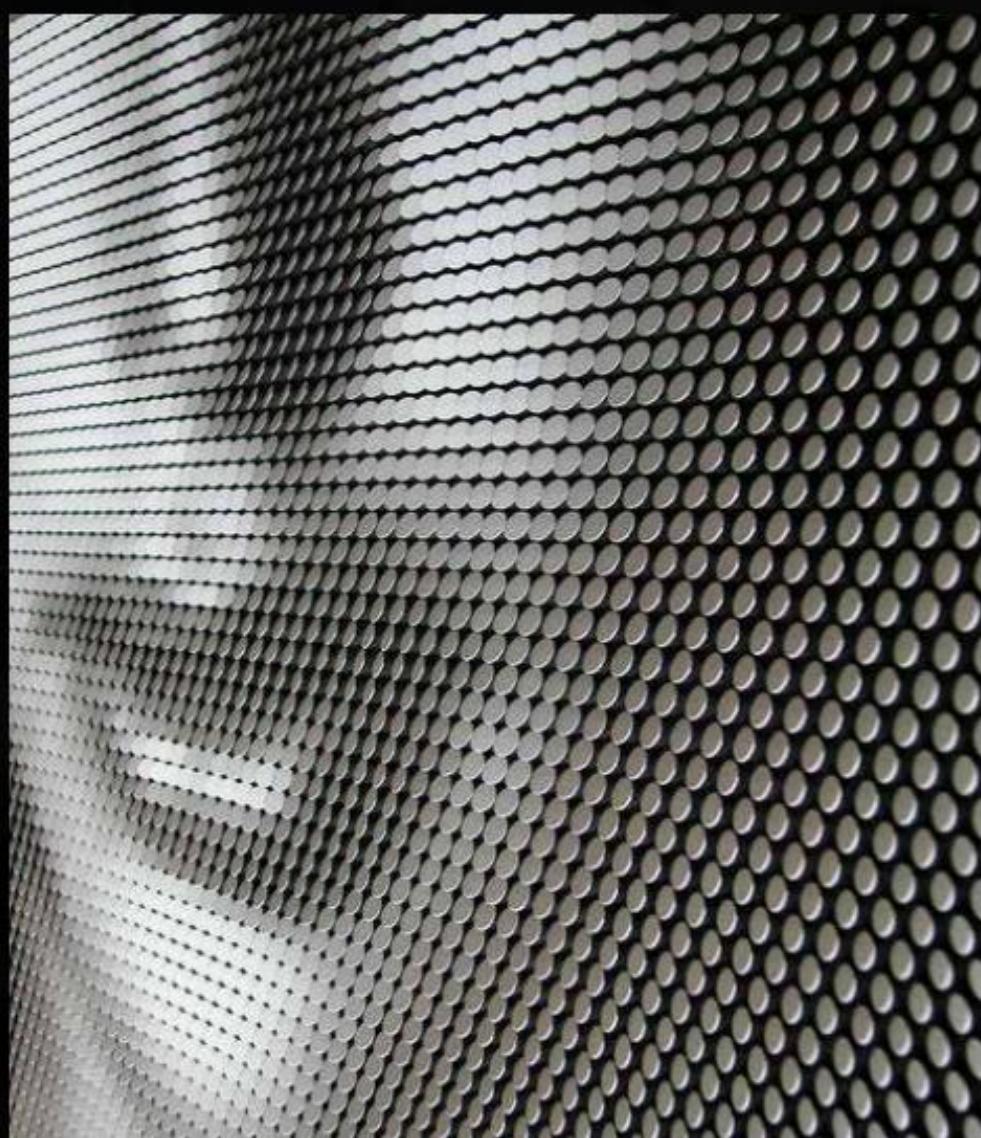
Showcasing an expanded portfolio of international projects and partnerships, we continue to expand the technology into new fields with more technical applications.



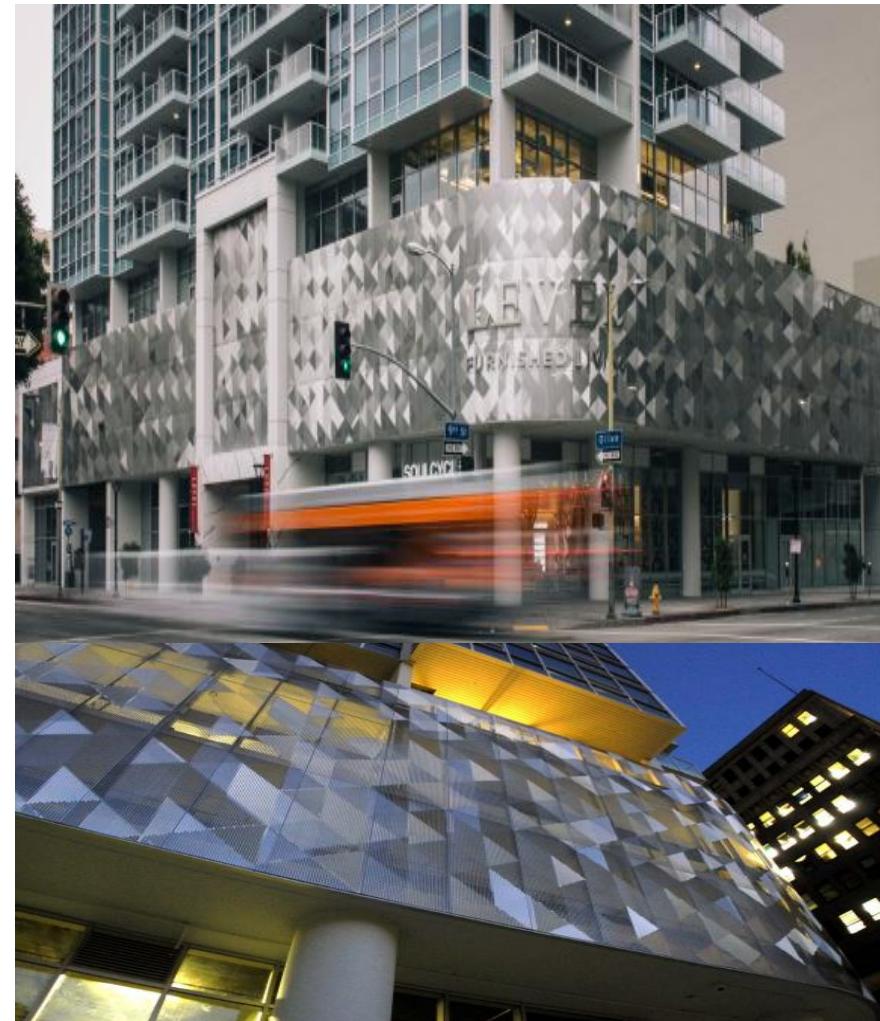
What is Ombræ?

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

- Lighting control and guidance
- Acoustical 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



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

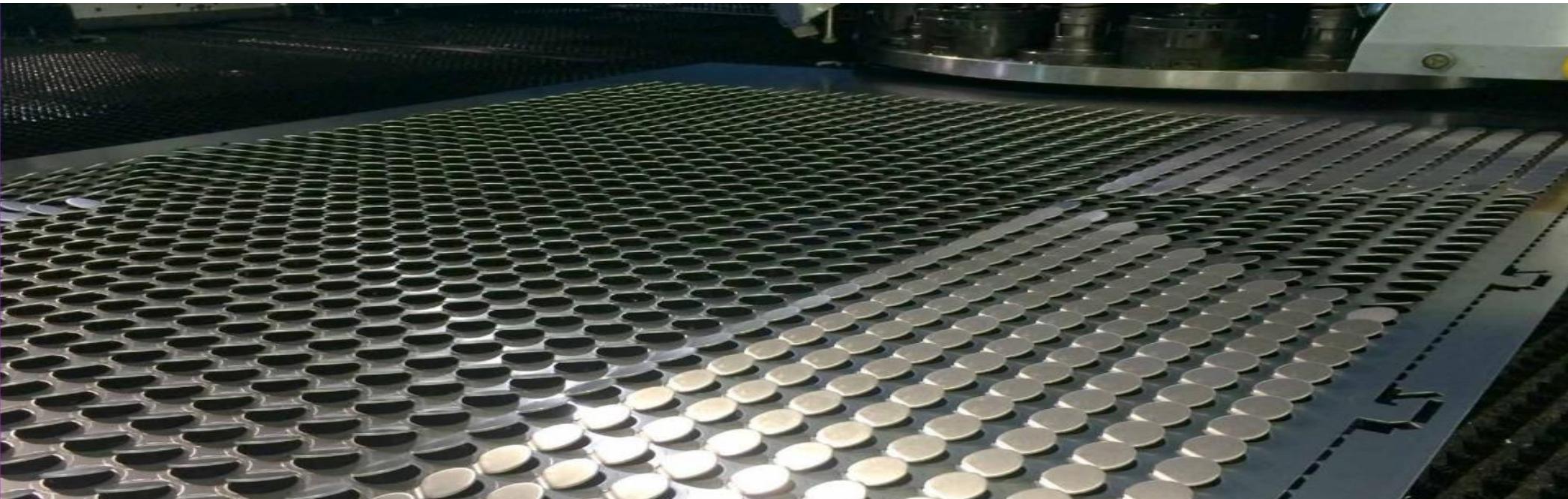


Exterior Projects

SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

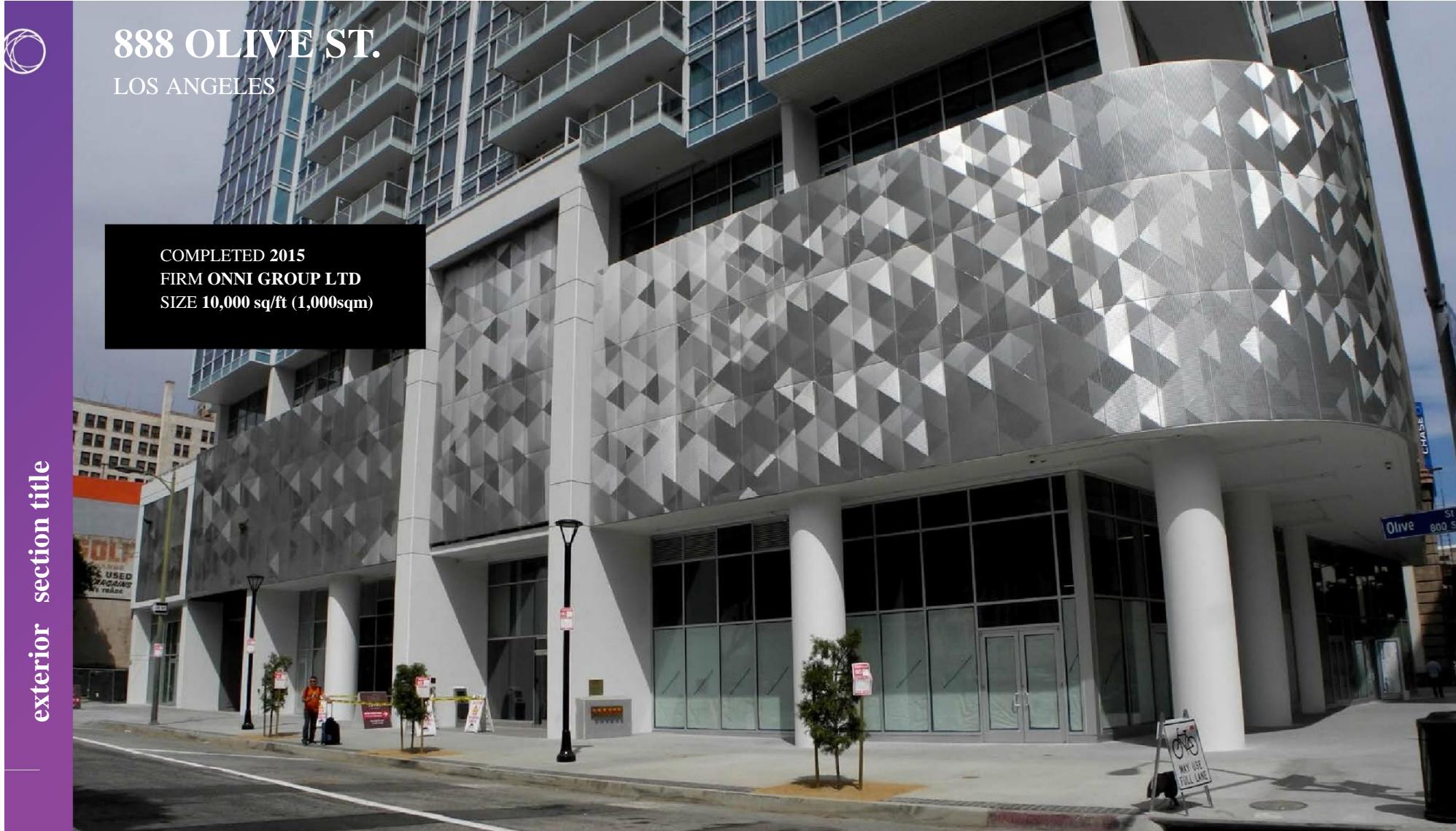
RESCARA
elite

ONI
Oncio-Dani Industrial Economy Consultancy
and Office Supply, Ltd.
88-122



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

RESCARA
elite



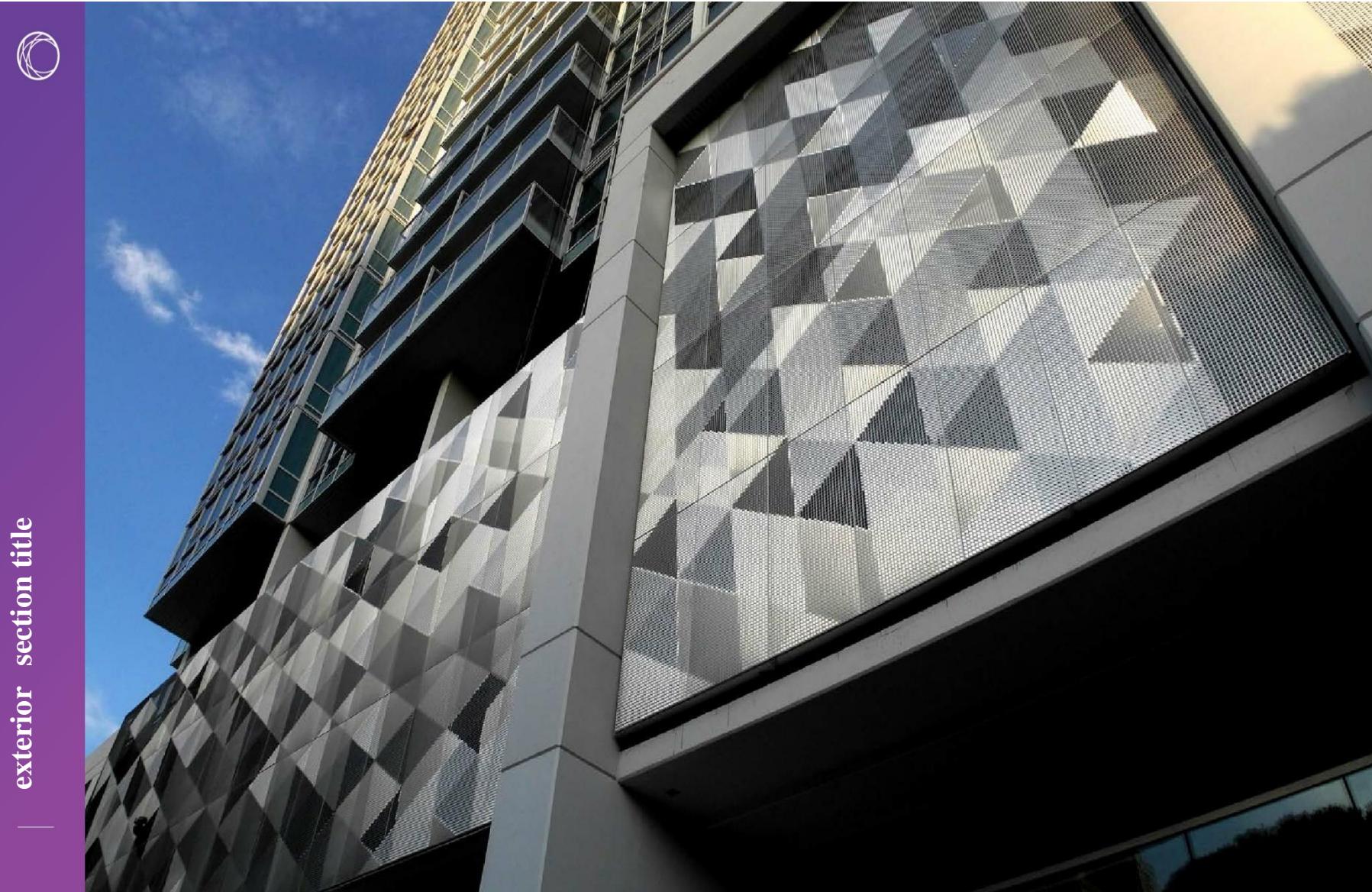
SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

RESCARA
elite



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

RESCARA
elite

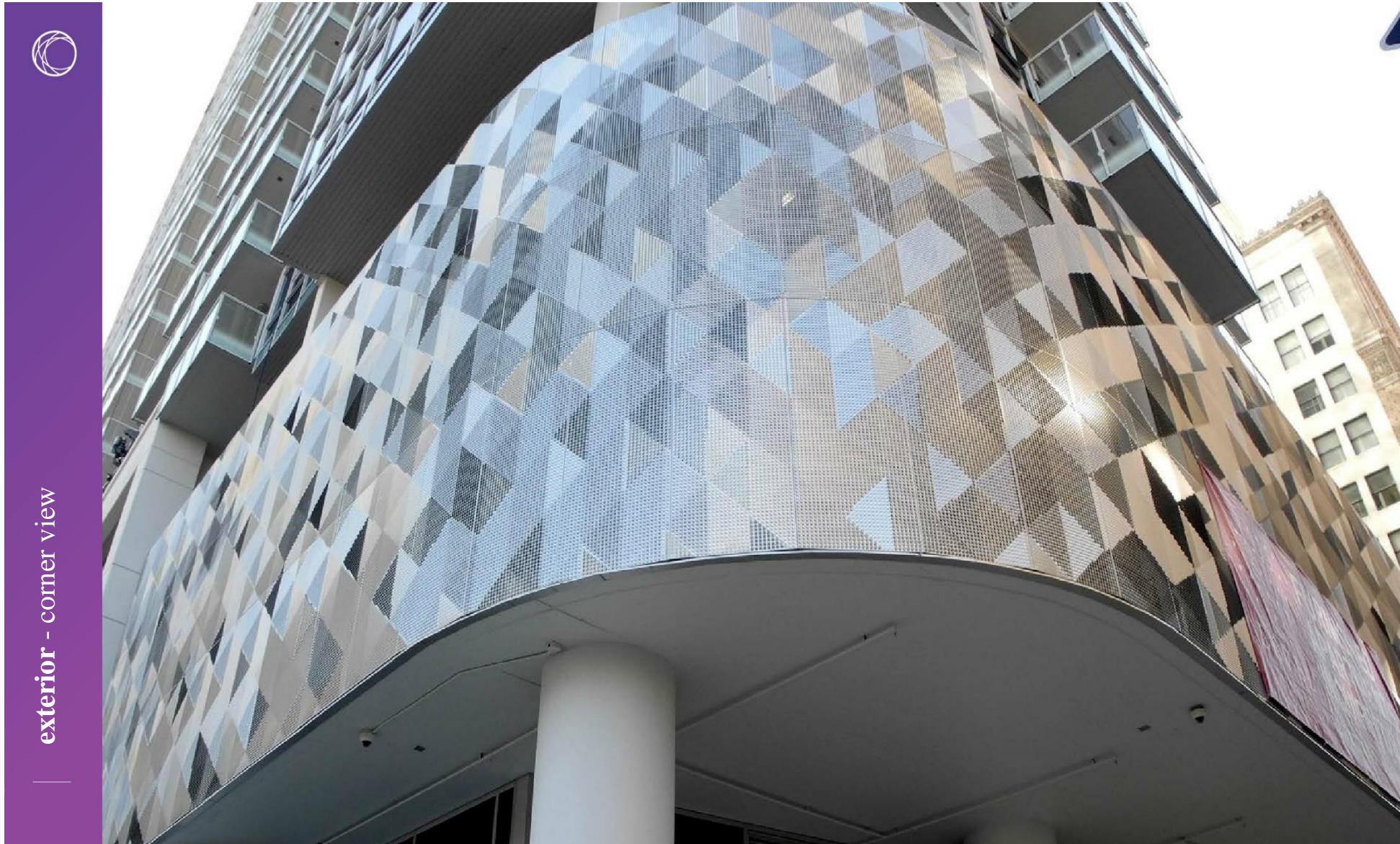


exterior section title



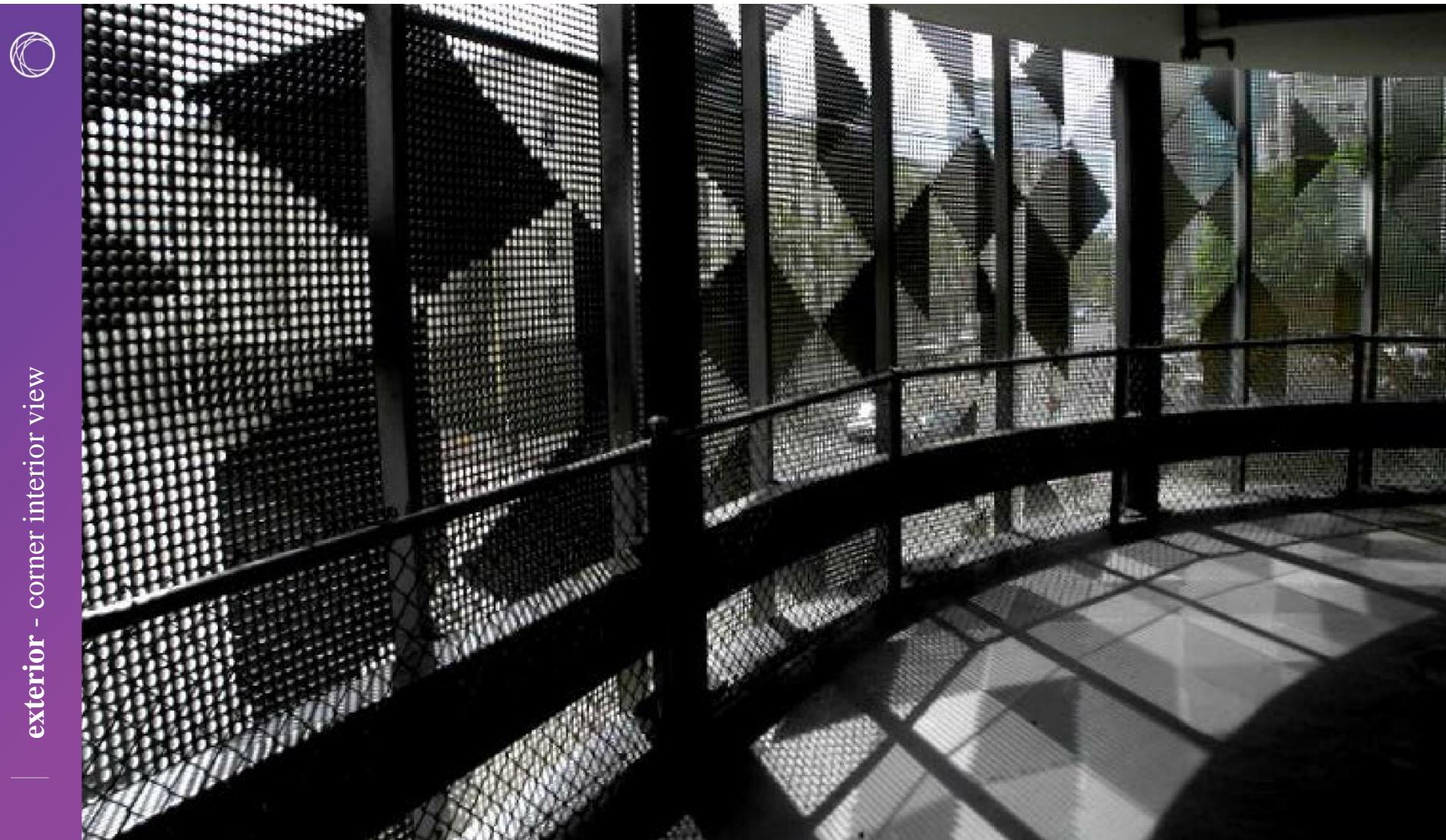
SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

RESCARA
elite



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

RESCARA
elite



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

 **RESCARA**
elite



exterior - interior view



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

RESCARA
elite

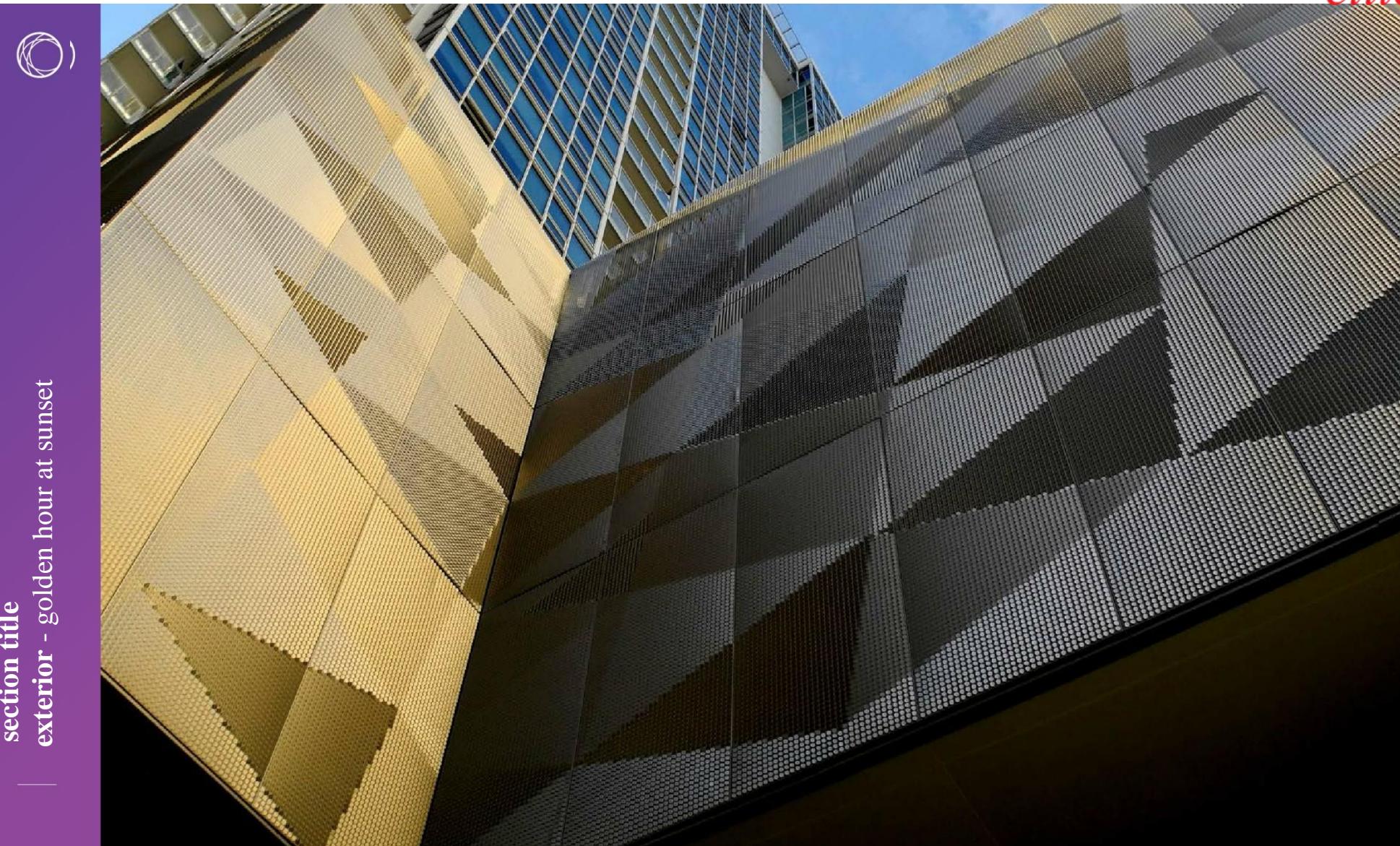


section title



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

RESCARA
elite



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

RESCARA
elite



exterior section title



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

 **RESCARA**
elite



inspiration

2



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

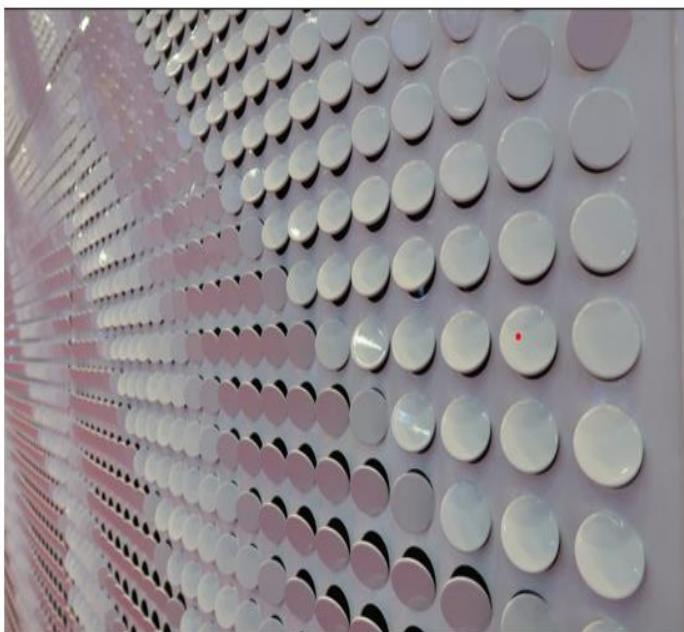
1. İŞİN TANIMI ve MALZEME

ASAŞ Aluminyun tarafından üretilen 2 mm ve 3 mm kalınlıkli perfore panellerin verilen yükleme durumu altında kalınlıklarının yeterliliklerinin tespitinin yapılması işidir.

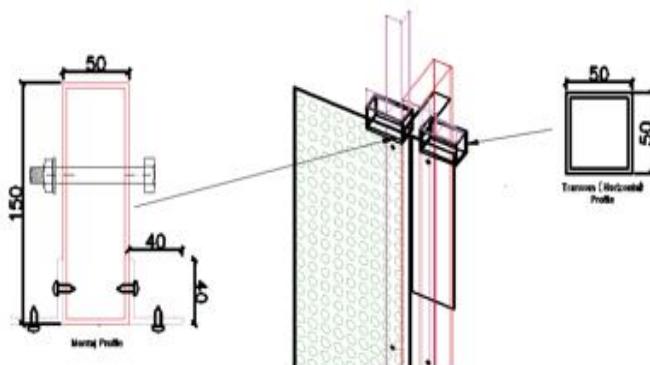
Bu sebeple projeye özel olarak tanımlanmış rüzgar yükü değeri 2.2 kN/m^2 olarak verilmiştir. Ayrıca panel arkasında destekleyen düşey ve yatay profillerin kesitlerinin de tasarımının yapılması istenmektedir.

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

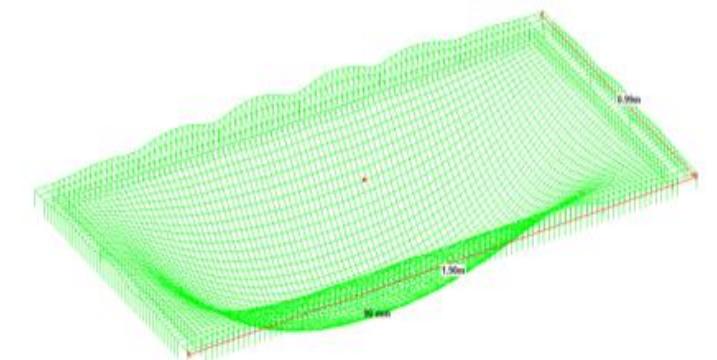
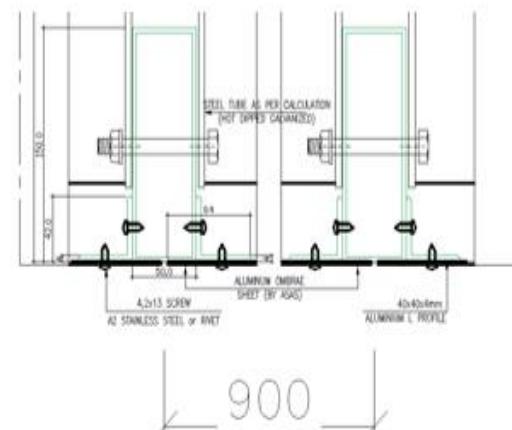
2. PANEL ÖZELLİKLERİ



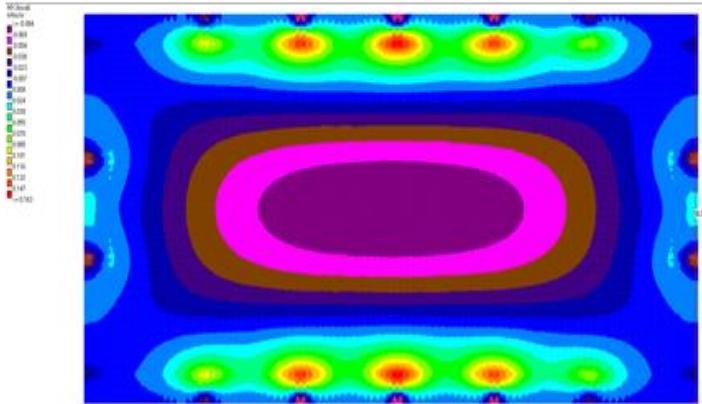
3. PANEL KALINLIKLARI VE MESNETLEME KOŞULLARI



• Tipik mesnetleme detayı



• Maksimum deplasman miktar (90 mm.)



• Maksimum eğilme momenti değeri ($M_{x,\max}=0.163 \text{ kNm/cm}$)

Maksimum gerilme, $f_u=244 \text{ MPa} > f_{y0}/1.65 = 178/1.65=108 \text{ MPa}$

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

Dok. No.: 1855-01 Rev.: 2

Date : 02.07.2018

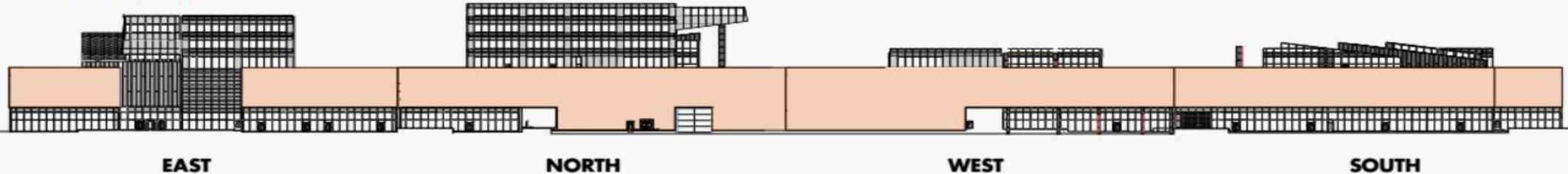
Page No 7 / 30

SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

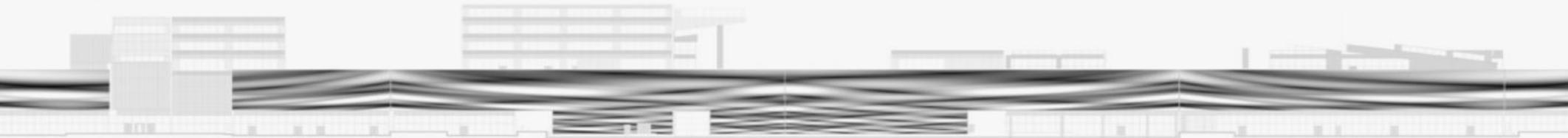
 **RESCARA**
elite

CONTEXT FOR DEVELOPMENT

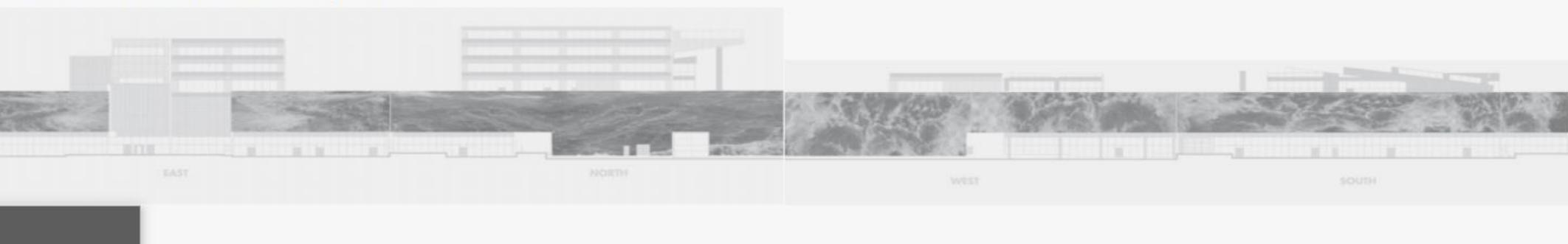
Ombræ coverage area



Ombræ Initial Conceptual Artwork: Option 2



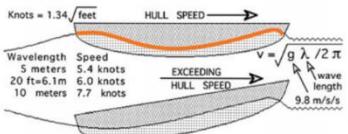
Feedback on Possible Visual Direction from Kasian



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

RESCARA
elite

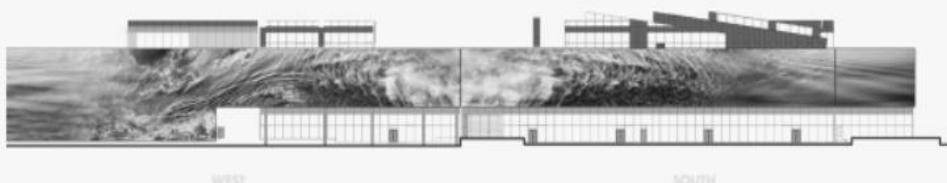
INSPIRATION IMAGES



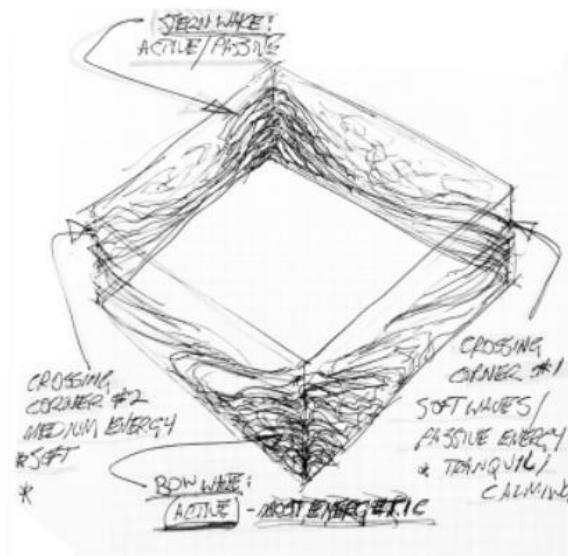
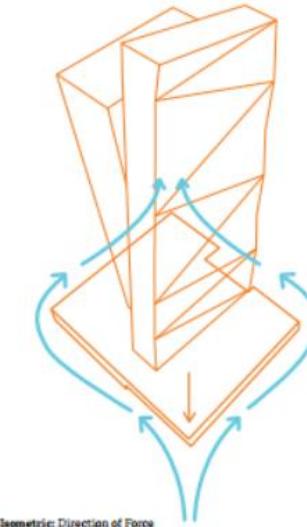
Hull Speed: Wake forms visualize conceptual speed of building travelling through water.



MOUNTED FINAL ARTWORK - DETAIL VIEW



DESIGN CONCEPT

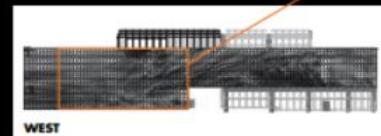
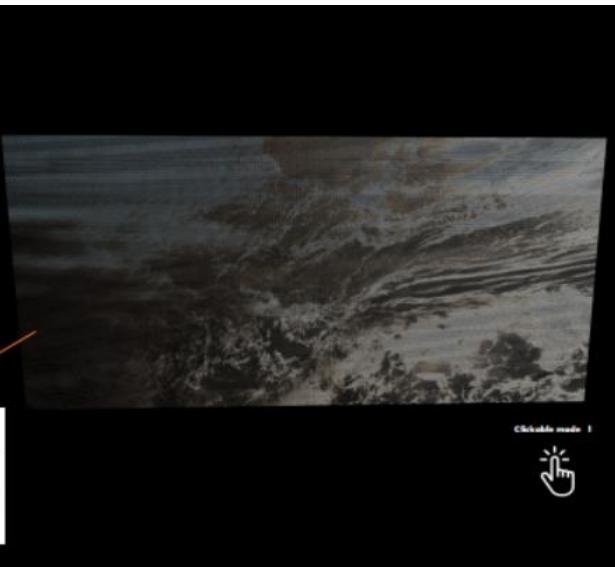


3D MODEL PREVISUALIZATION

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
New Actual pixel will be 25mm / 33mm pitch.
We used doubled the diameter for this virtual
mockup, for file size limitations. Panel borders not
visualized.



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

 **RESCARA**
elite



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

 **RESCARA**
elite

ARTWORK



North Elevation

West Elevation

South Elevation

VIEW OPTIMIZATION



Legend

- Counter-clockwise
- Clockwise

SITE PHOTOS



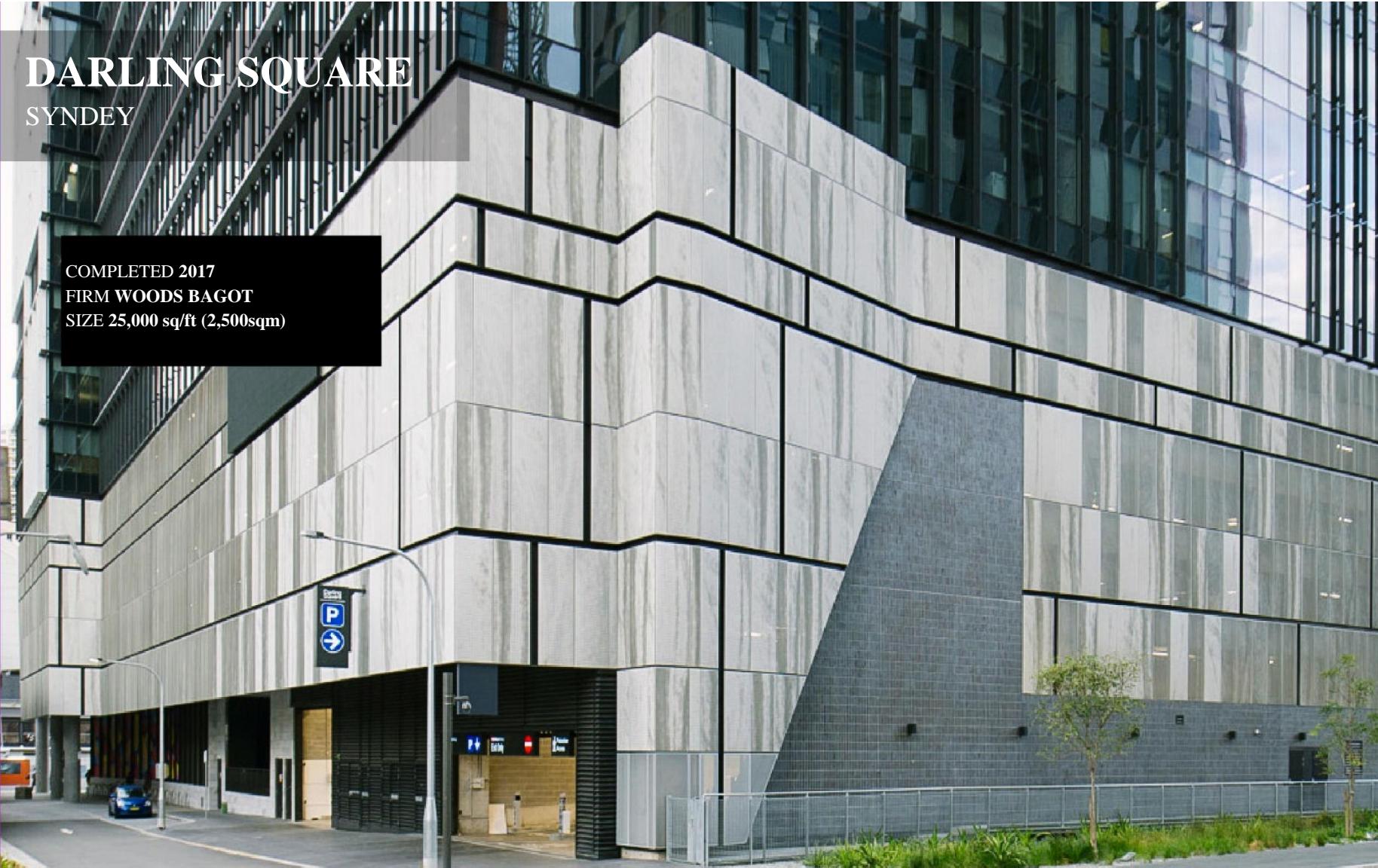


DARLING SQUARE

SYNDEY

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

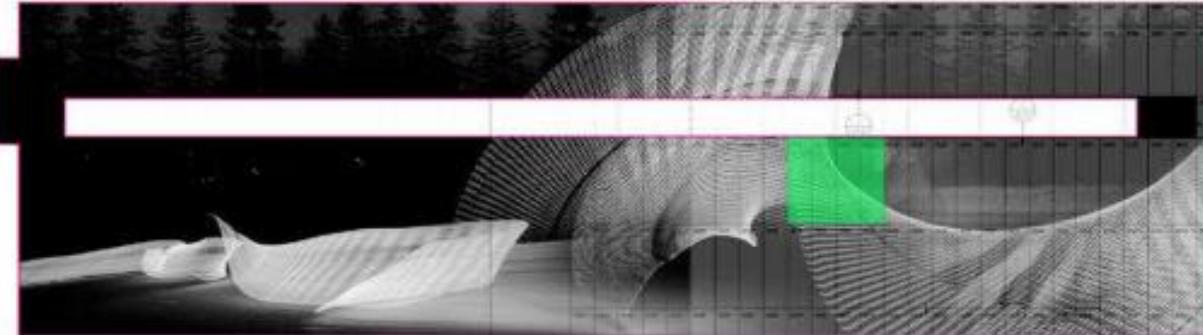
RESCARA
elite





SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

 **RESCARA**
elite



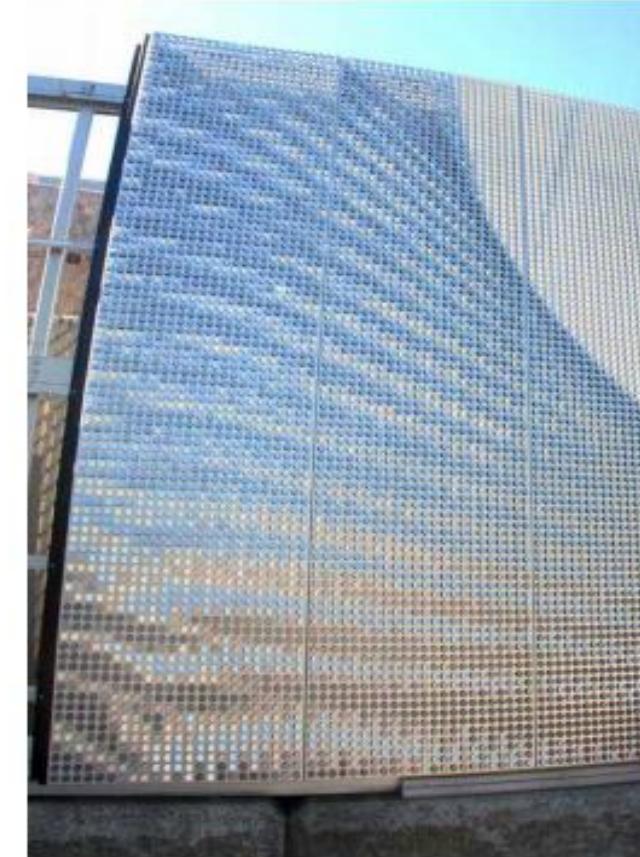
Context



Input Artwork



2D Pixel Output



Full-scale Mockup

SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

 **RESCARA**
elite



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

RESCARA
elite





**SAIT
PARKADE**
CALGARY, CALGARY

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



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

RESCARA
elite



exterior



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

RESCARA
elite



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

RESCARA
elite



exterior



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

 **RESCARA**
elite



exterior



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

 **RESCARA**
elite



exterior



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

RESCARA
elite



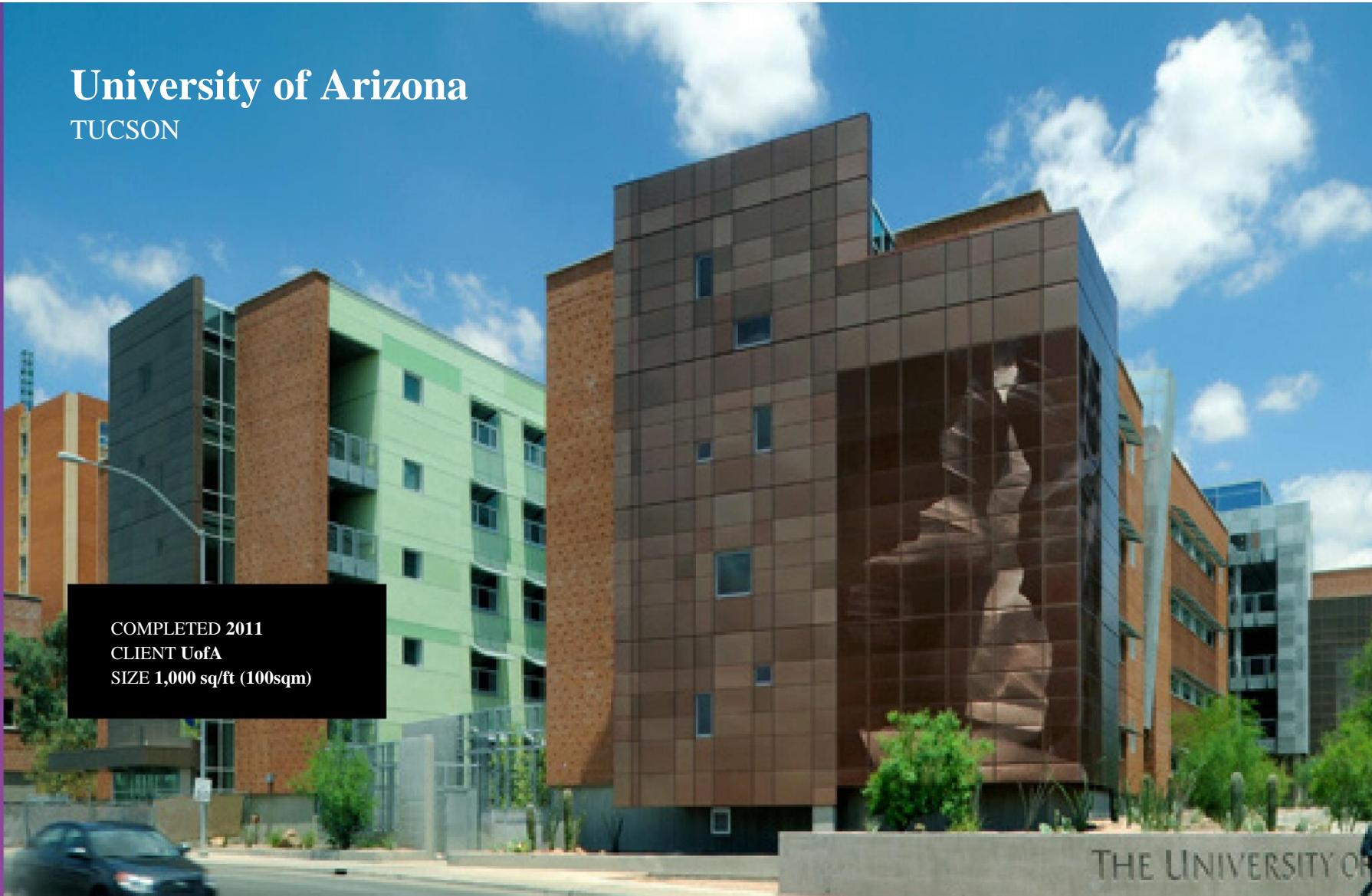
exterior section title





University of Arizona TUCSON

exterior

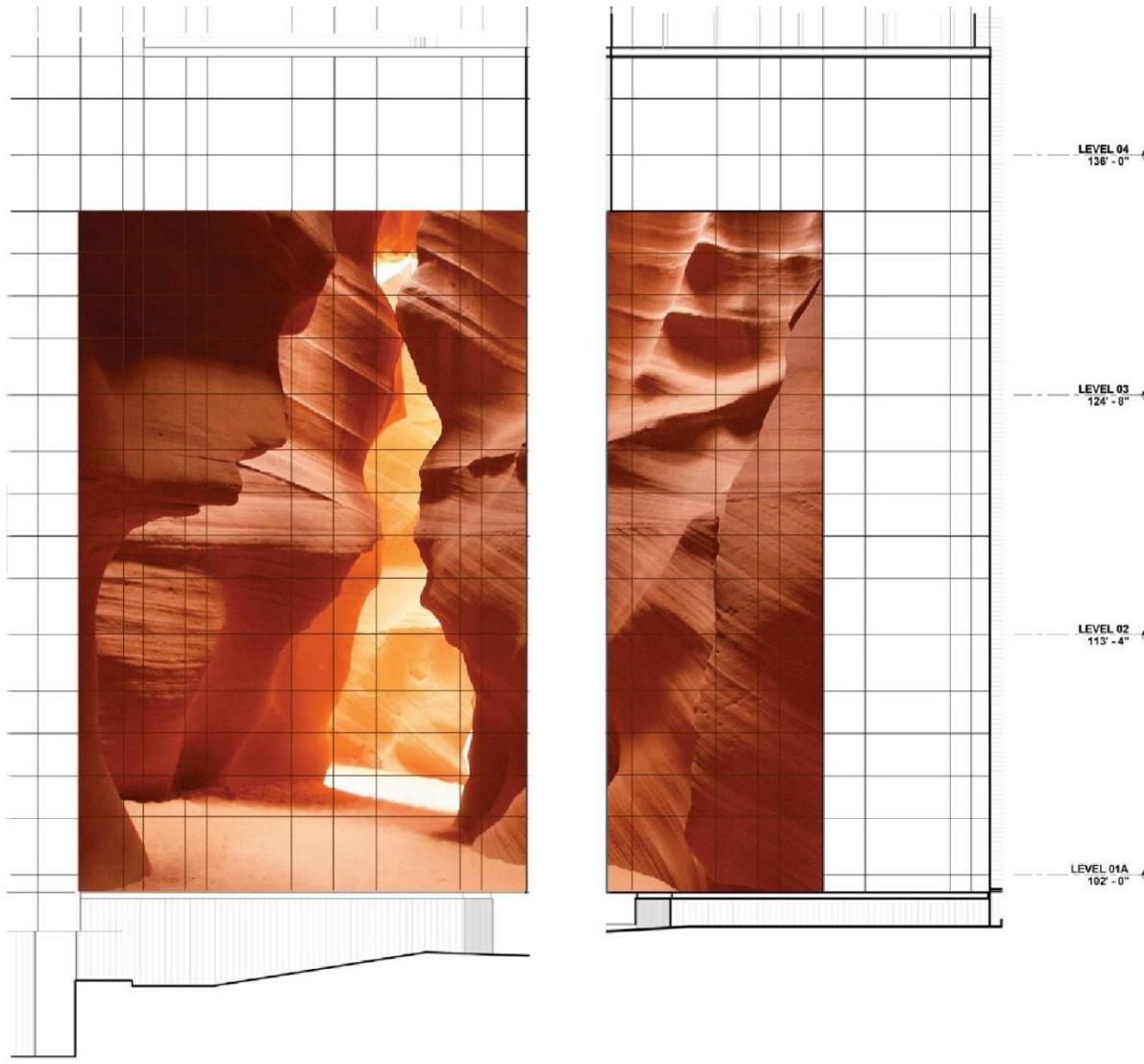


SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

 **RESCARA**
elite



exterior - artwork



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

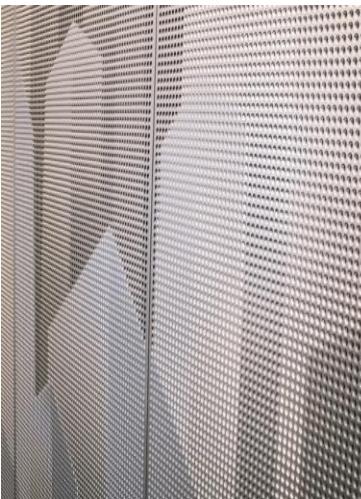
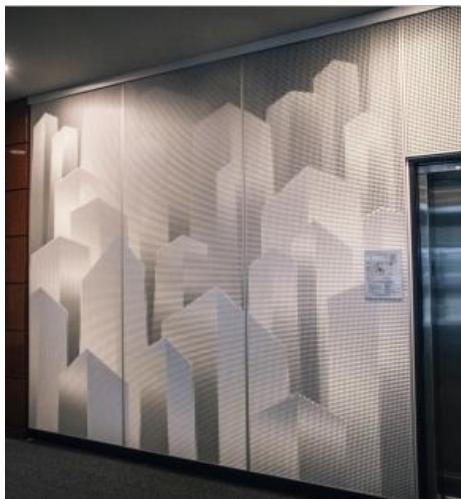
RESCARA
elite



exterior section title



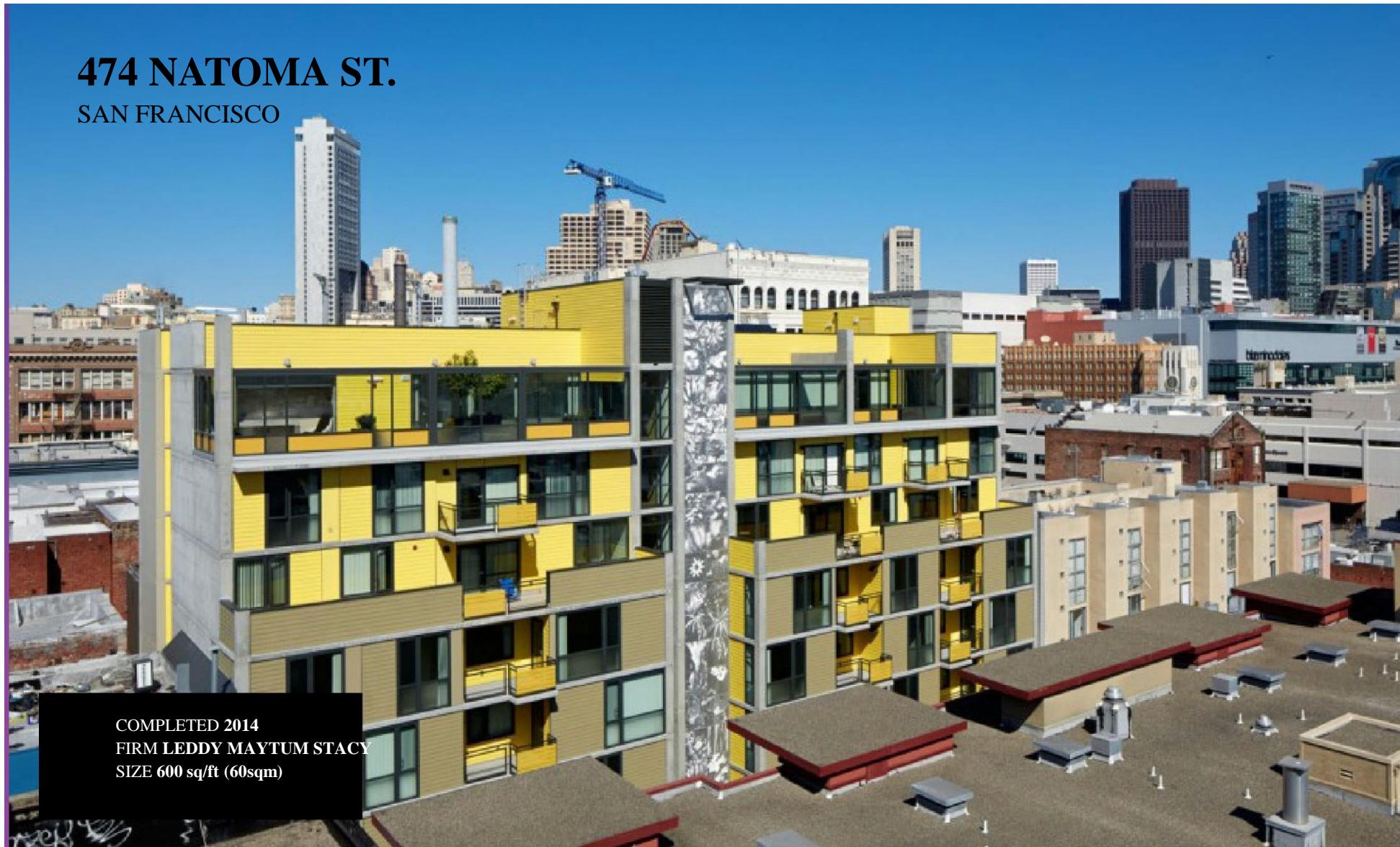
SKYPANEL 23 OPTICAL SHEET



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

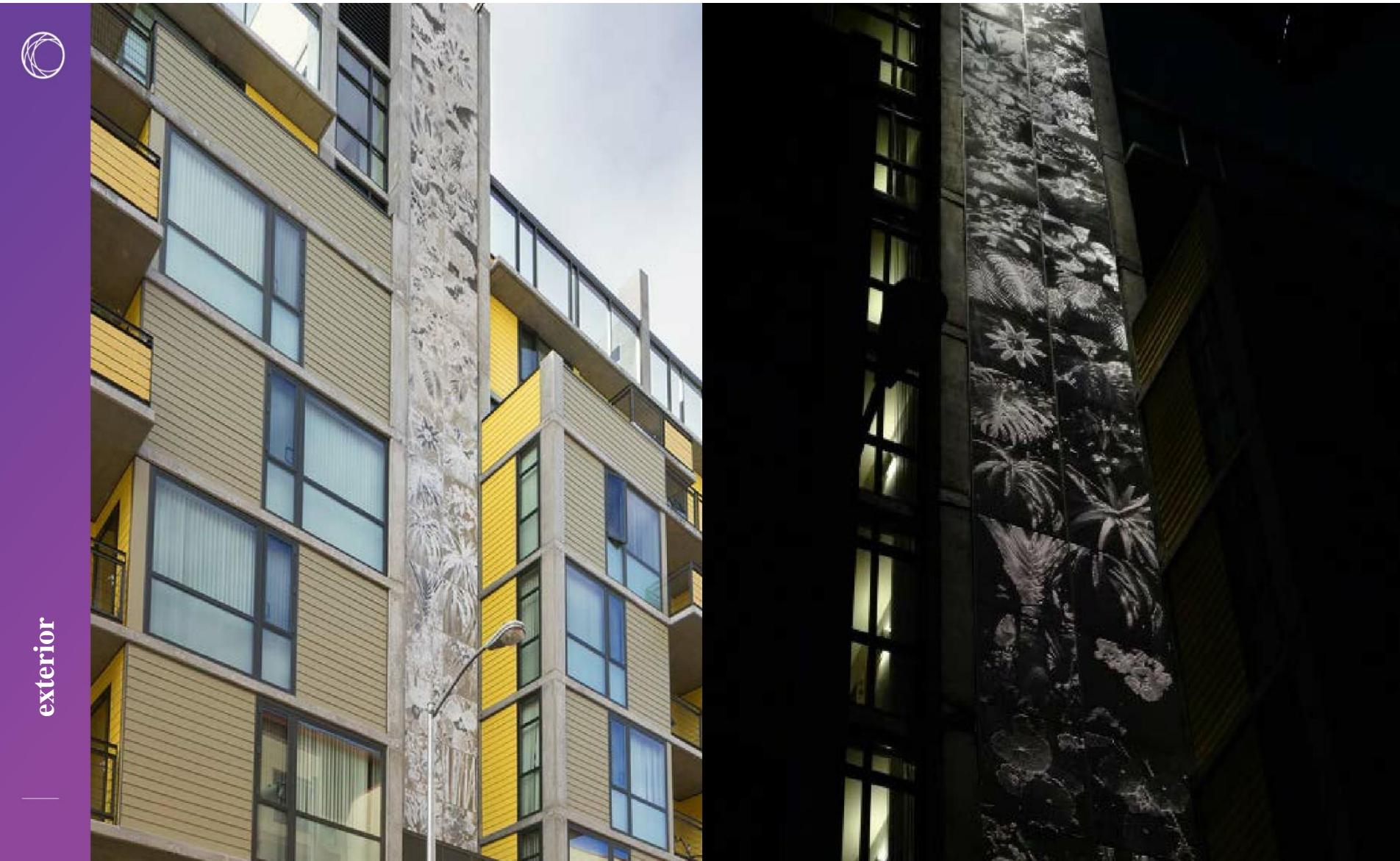
RESCARA
elite

474 NATOMA ST.
SAN FRANCISCO



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

 **RESCARA**
elite





— Interior Projects



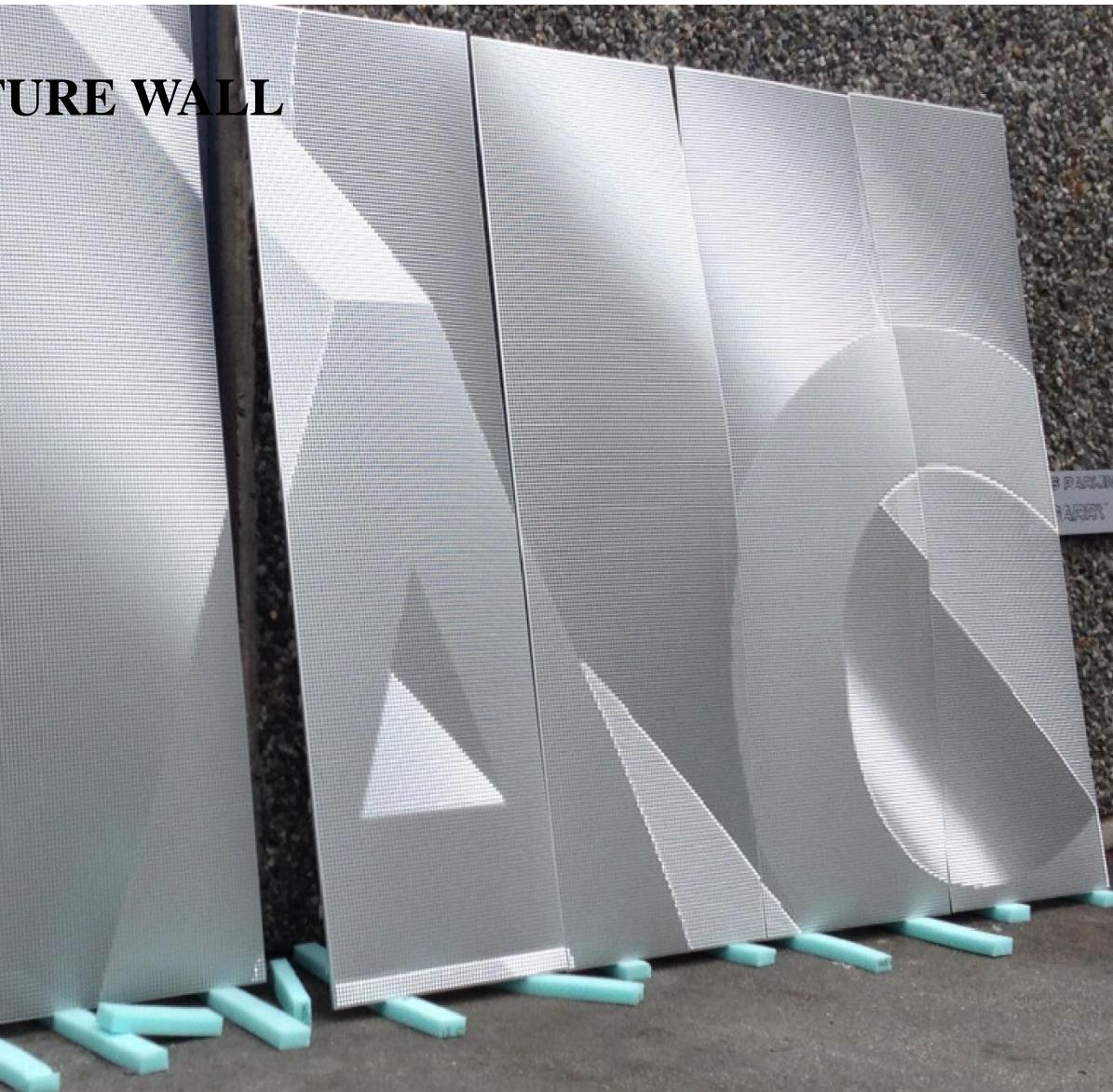
MBAC OFFICE FEATURE WALL

CALGARY

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



interior section title





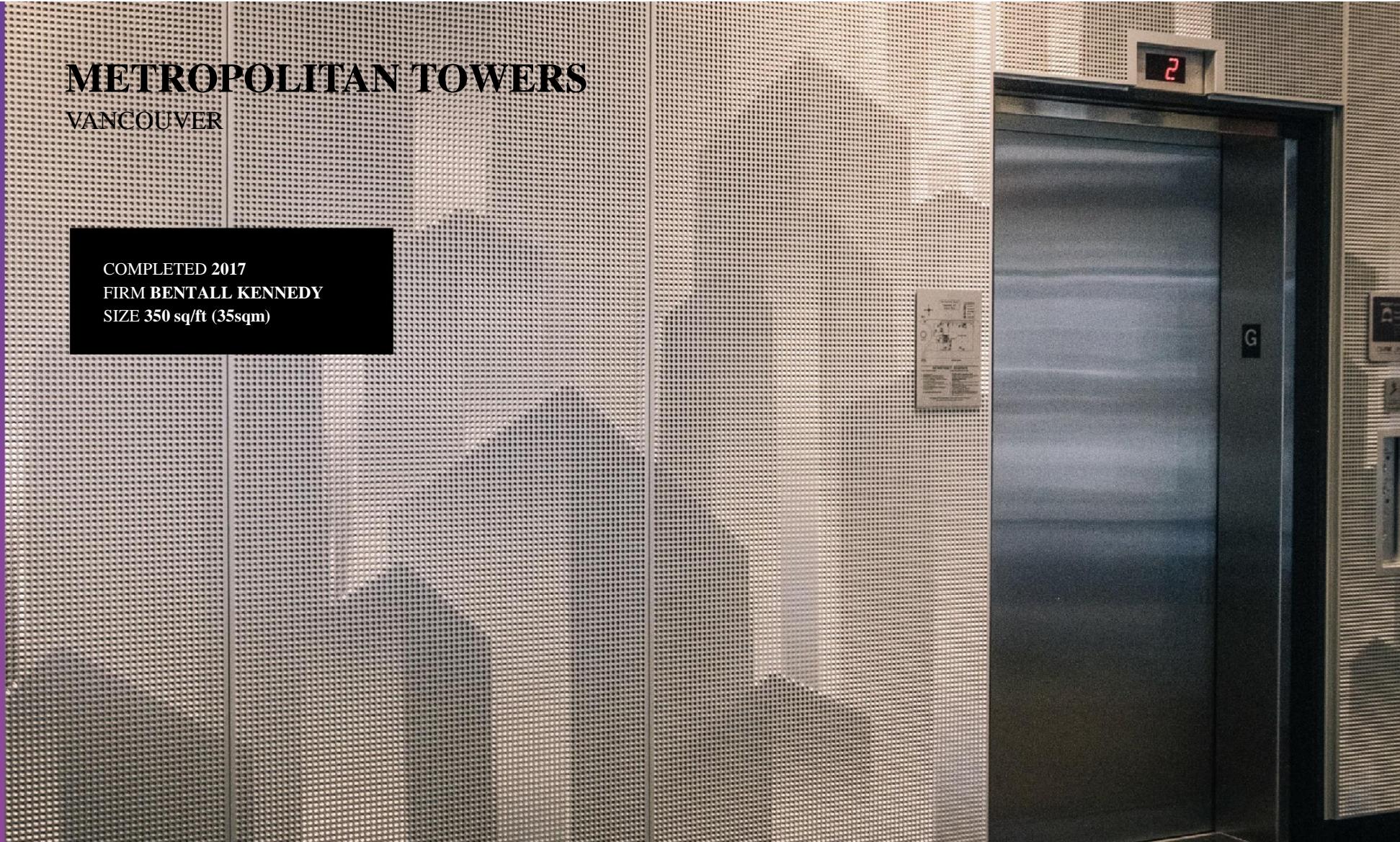
| interior section title



METROPOLITAN TOWERS

VANCOUVER

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



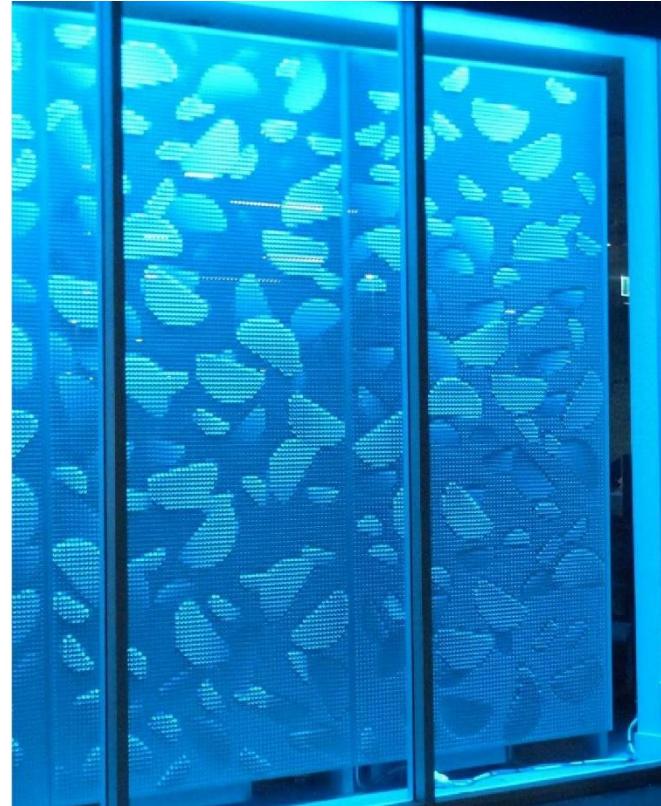
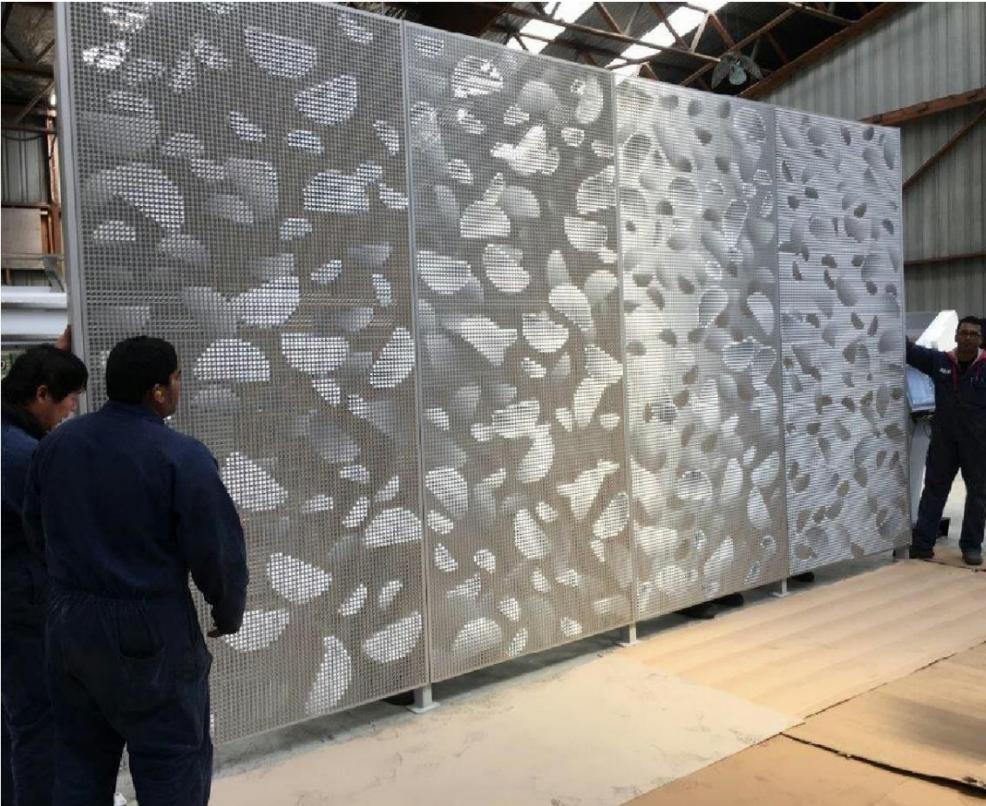


SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

RESCARA
elite



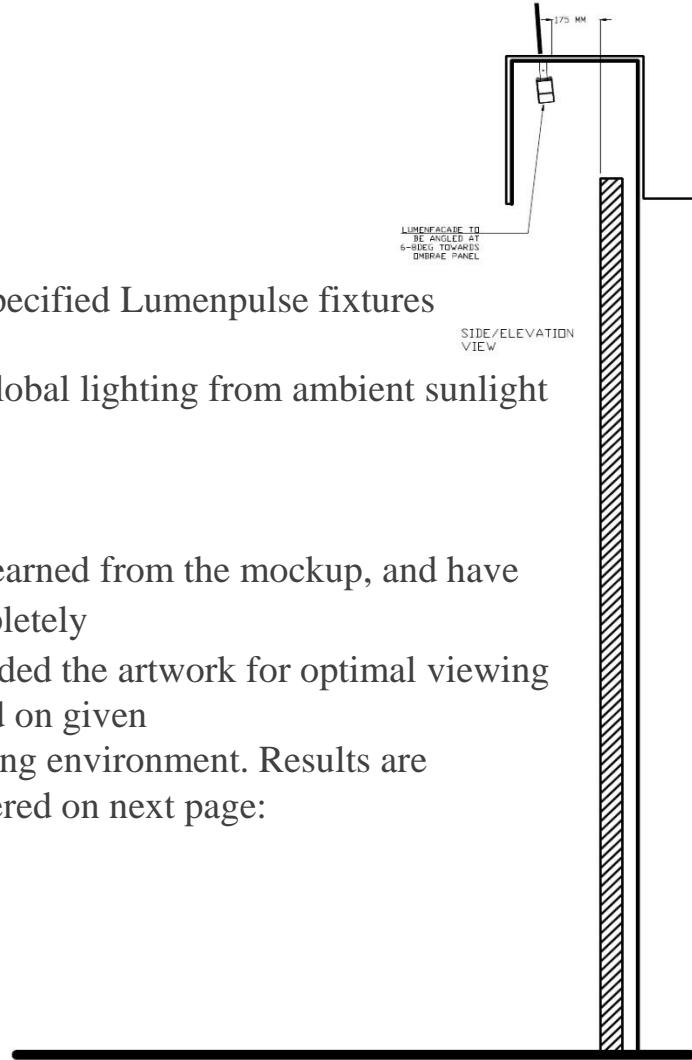
interior





- 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



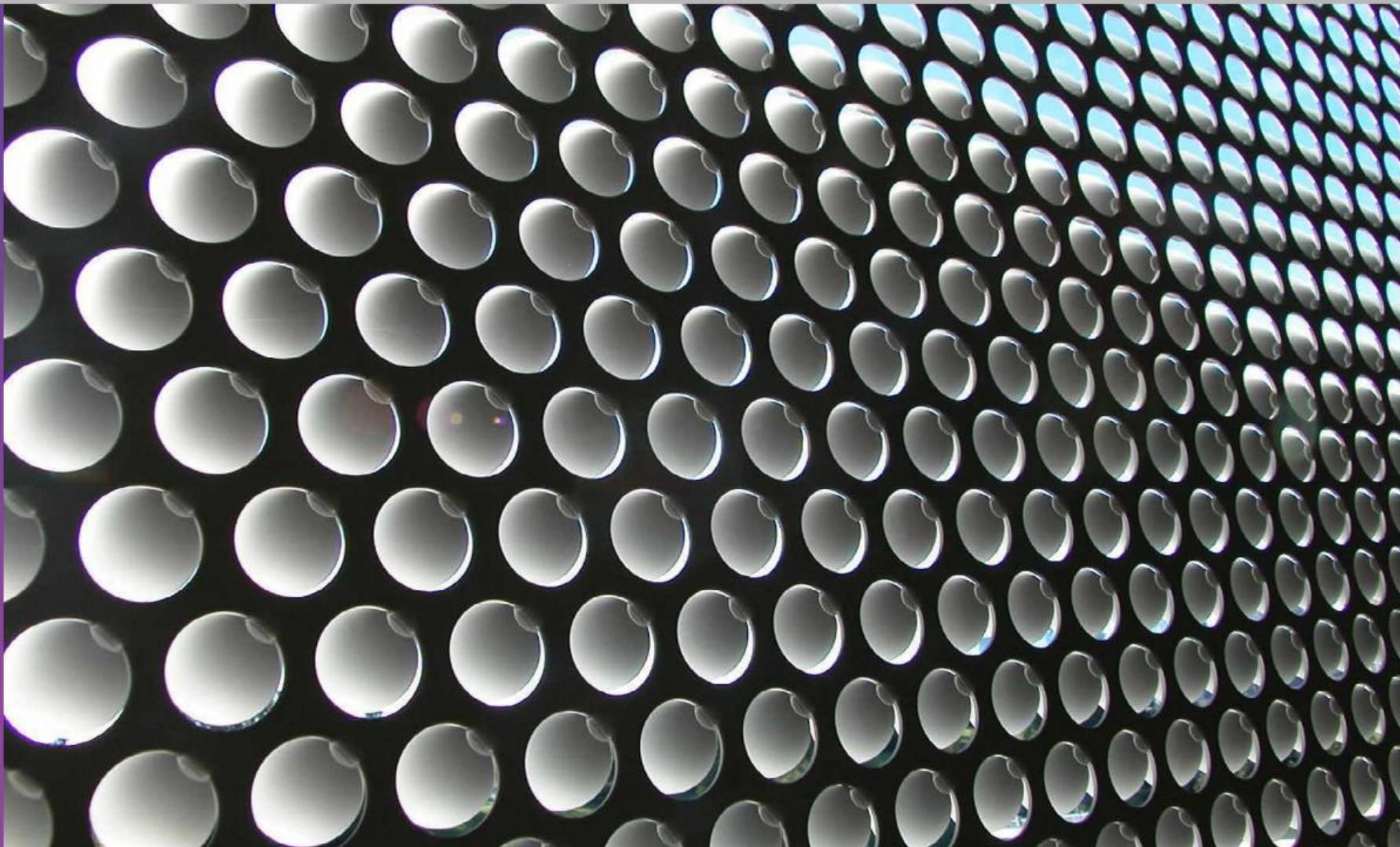
COMPLETED **2014**
FIRM **EVOSTONE**
SIZE **300 sq/ft (30sqm)**

SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

RESCARA
elite

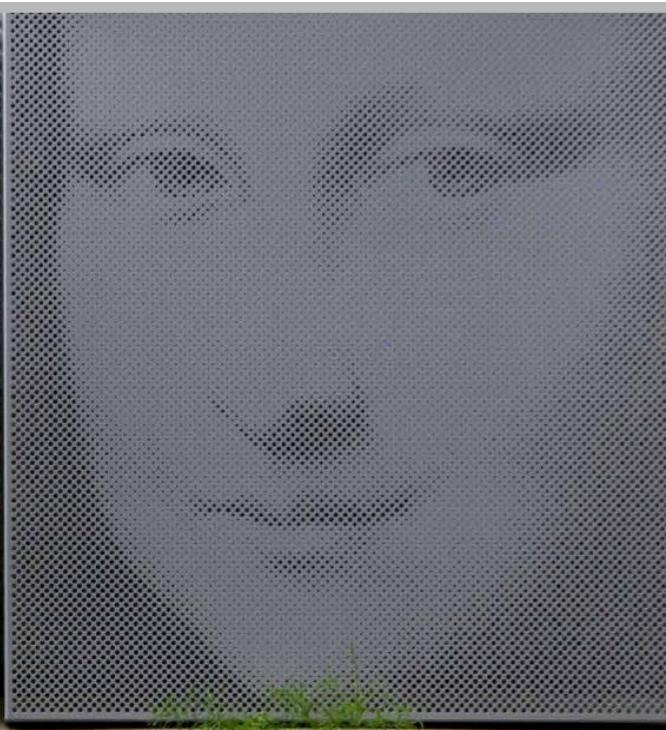
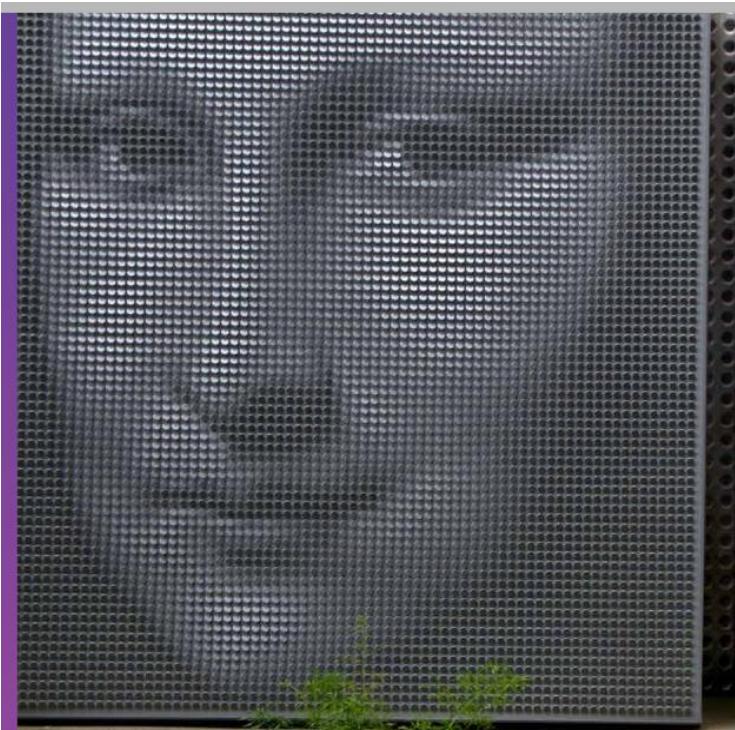
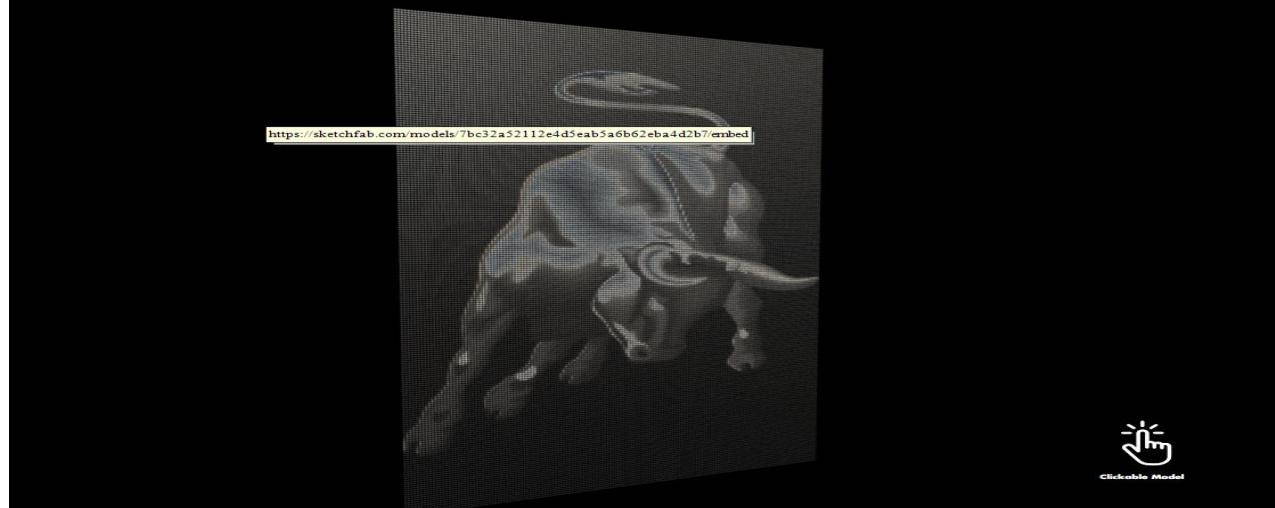
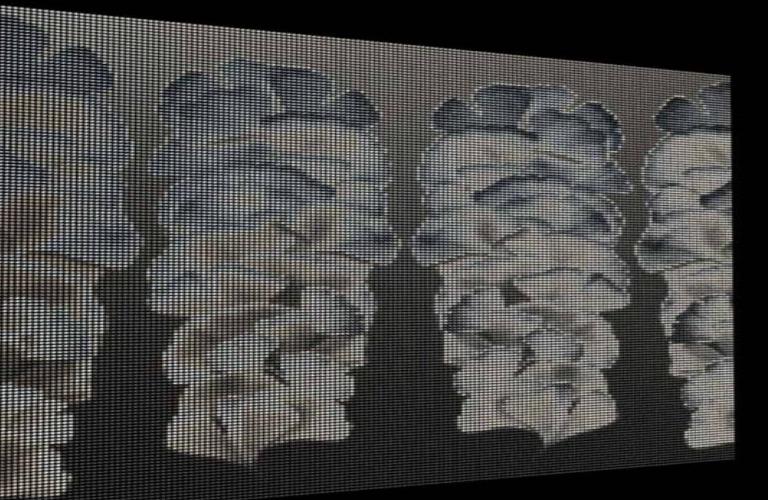


architectural projects

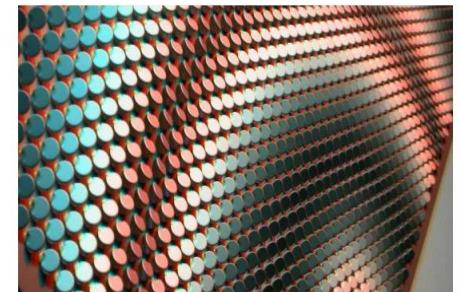
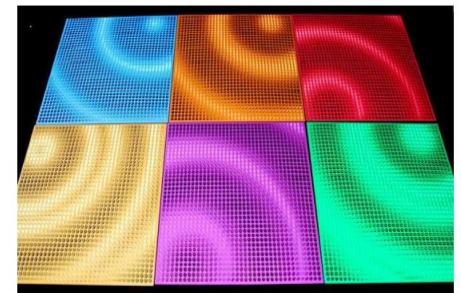


SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

 **RESCARA**
elite



OMBRAE RIPPLE SAMPLE



SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

 **RESCARA**
elite



| sample panels - pyramid concept

21



Clickable Model

SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

 **RESCARA**
elite



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

sample panels - bull logo



Clickable Model

SKYPANEL 23 OPTICAL SHEET / Design by OMBRAE

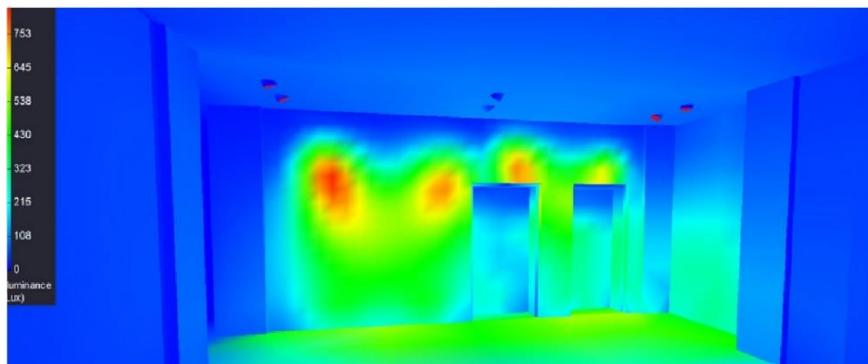
 **RESCARA**
elite



interior - artwork / lighting tests

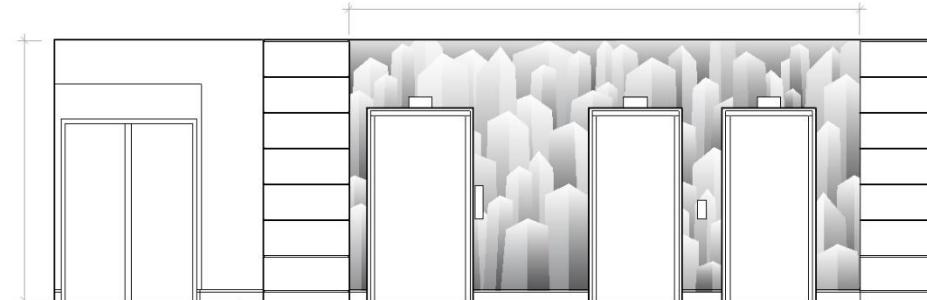
Photometry

Gotham 6" Adjustable Incito Recessed Downlights



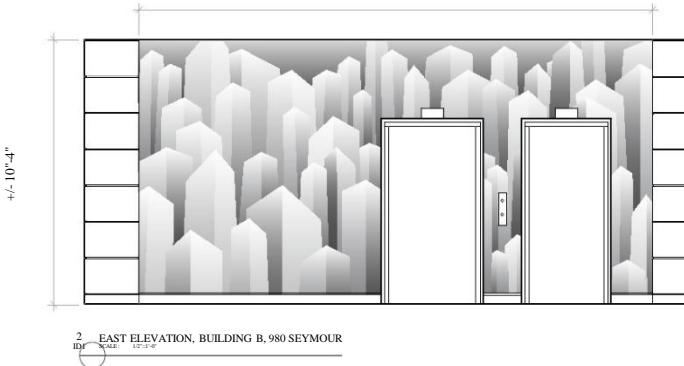
Photometry

+/- 19'-6 5/16"



Gotham 6" Adjustable Incito Recessed Downlights

+/- 20'-6"



Solution:

RePLAcethe 6 x 6" ReCeSSeD DoWnLighTS wITH aDjuStaBLe 2000LM Re-
CeSSeD DoWnLighTS wITH 40Deg BeaMS to PRoViDe geneRAL aND MiNiMuM
ReQuireD iLuMiNatiOn in tHe LoBBY WHiLe aCCenTing tHe oMBRaE PaNeL
PiXeLS.



TEŞEKKÜRLER