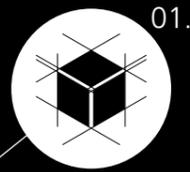




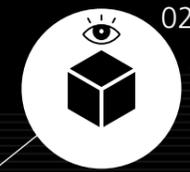
# ARCHITECTURAL BUILDING ENVELOPES

MOCK-UPS  
ARCHIVE

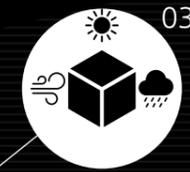
# WORKFLOW MOCK-UPS



01.



02.



03.



## 01. MOCK-UP

Ogni contratto, che sia di acquisizione del progetto o PCSA, prevede la realizzazione di uno o più **MOCK-UP** in scala reale di circa 35 mq. rappresentativo del progetto. L'Ufficio R&D sviluppa per ogni progetto un sistema di facciata "custom" che comprende ogni volta nuove matrici, nuove guarnizioni e nuovi dettagli disegnati e sviluppati nei primi step di progettazione. Per arrivare alla soluzione finale si susseguono mesi di calcoli, scambio di disegni, indagini su materiali con vari fornitori e un confronto continuo con architetti, ingegneri, consulenti e tutti gli attori del progetto. Per validare e certificare il prodotto finale, vengono infine assemblati e installati i campioni di facciata per sottoporli a test visuali, di performance per la tenuta di acqua-aria e vento, di performance acustiche ed eventuali altri test prestazionali richiesti dallo specifico progetto.

*Each contract, whether it is a project acquisition or a PCSA, involves the construction of one or more full-scale **MOCK-UPS** about 35 sq.m. representative of the project. For each project, our R&D Dept. develops a bespoke façade system, including bespoke dies, gaskets, and details designed and developed during the first design steps. Achieving the final solution means months of calculations, exchange of drawings, investigations of materials with several suppliers and a continuous dialogue with architects, engineers, consultants, and all the professional working on the project. To certify the final product, we undergo the facade samples to visual tests, and performance tests for water-air and wind resistance, acoustic performances and any other performance tests required by the specific project.*

## 02. VISUAL MOCK-UP (VMU)

Rappresenta il primo vero impatto con il progetto e permette di toccare con mano le soluzioni concordate precedentemente. In questa occasione architetti e clienti finali scelgono materiali, colori e hanno la possibilità di confermare o cambiare i vari dettagli tecnici ed estetici.

*The **VMU** allows the clients and architects to see first-hand the project and the result of the agreed solutions, giving them the opportunity to confirm or change the technical and aesthetical details.*

## 03. PERFORMANCE MOCK-UP (PMU)

Ogni campione deve validare il sistema progettato sulle base delle richieste prestazionali indicate. Creiamo soluzioni altamente performanti che vengono sottoposte a test di laboratorio per certificare la tenuta all'aria, acqua e vento del progetto. Il campione acustico viene installato in tre camere di laboratorio allestite presso la nostra sede, dove viene testato l'isolamento acustico della facciata verso l'esterno, tra vani contigui e sovrastanti all'interno dell'edificio. In questa fase di prototipazione vengono già definite dall'Ufficio Tecnico, previo feedback da ufficio qualità, produzione e reparto campioni, le istruzioni operative per la produzione delle cellule e la loro installazione in cantiere. I nostri tecnici sviluppano il sistema studiato ad hoc dal Dipartimento di Ricerca&Sviluppo e sottomettono costantemente le scelte dei materiali al cliente e all'architetto attraverso sample dimostrativi.

*We design and manufacture highly performing solutions which undergo laboratory tests to certify the air, water, and wind tightness of the project specification. The acoustic samples are installed in three laboratory test chambers set up at our Headquarters where the acoustic insulation of the facade from the outside and vertical & horizontal flanking between floors and walls internally is tested. During this prototyping phase, the Technical Department - after feedbacks from the quality, manufacturing and sample departments - defines the operating instructions for the manufacturing of the units and their installation on site. Our engineers of the Research & Development Department develop a bespoke façade system, constantly submitting the ranges of material options to the clients and architects through samples.*

- 
- (A) [Allianz Tower, Milano](#)  
[Anaconda Cut, Manchester](#)  
[Angel Court, London](#)
- (B) [Battersea Power Station Phase 2, London](#)  
[Bernard Weatherill House, Croydon UK](#)  
[70 Brompton Road, London](#)
- (C) [11-21 Canal Reach, London](#)  
[Centro Direz. Banca Lombarda, Brescia](#)  
[Centro Orafo "Il Tari", Caserta](#)  
[107 Cheapside, London](#)  
[Chester Road, Manchester](#)  
[103 Colmore Row, Birmingham](#)  
[Columbia University, New York](#)  
[1508 Coney Island Avenue, Brooklyn](#)  
[Crown Street C4 The Blade, Manchester](#)  
[Crown Street C5 Three60, Manchester](#)
- (D) [Deansgate Square, Manchester](#)  
[Dollar Bay, London](#)  
[Domino Sugar Refinery, Brooklyn](#)
- (E) [Etnapolis Shopping Center, Catania](#)  
[Europarco Tower, Roma](#)
- (F) [80 Fenchurch, London](#)  
[First Street South, Manchester](#)  
[Four Kingdom Street, London](#)  
[Four Pancras Square, London](#)  
[Franklin Street, New York](#)
- (G) [Greengate H&J, Manchester](#)  
[30 Gresham Street, London](#)
- (H) [245 Hammersmith Road, London](#)
- (I) [Infinity, Liverpool](#)
- (L) [40 Leadenhall, London](#)  
[Libeskind Tower, Milano](#)  
[100 Liverpool Street, London](#)
- (M) [MAST, Bologna](#)  
[Mercedes Benz World, Weybridge](#)  
[44 Merrion Street, Leeds](#)  
[Moor Place- Moorgate Exchange, London](#)
- (N) [Nestlé Headquarters, Milano](#)  
[12 New Fetter lane, London](#)  
[81 Newgate Street / Panorama St Paul, London](#)
- (O) [One Braham, London](#)  
[One Broadgate, London](#)  
[One Snowhill, Birmingham](#)  
[Oxford Brookes University, Oxford](#)
- (P) [Paddington Square, London](#)  
[6 Pancras Square, London](#)  
[Park House, London](#)  
[Polo di Eccellenza, Milano](#)
- (R) [R8 / King's Cross Central, London](#)  
[Regent's Place, London](#)  
[Riverwalk, London](#)
- (S) [S3 / King's Cross Central, London](#)  
[70 St. Mary Axe, London](#)  
[Stonecutter Court, London](#)
- (T) [40 Tenth Avenue, New York](#)  
[The Broadway, London](#)
- (U) [U1, Milan](#)  
[U3, Milan](#)
- (W) [Westfield M7, Stratford London](#)

# GREENGATE H&J MANCHESTER

PROJECT  
**Greengate H&J**

LOCATION  
**Manchester**

ARCHITECT  
**OMI Architects**

CONTRACTOR  
**Renaker Build Ltd**

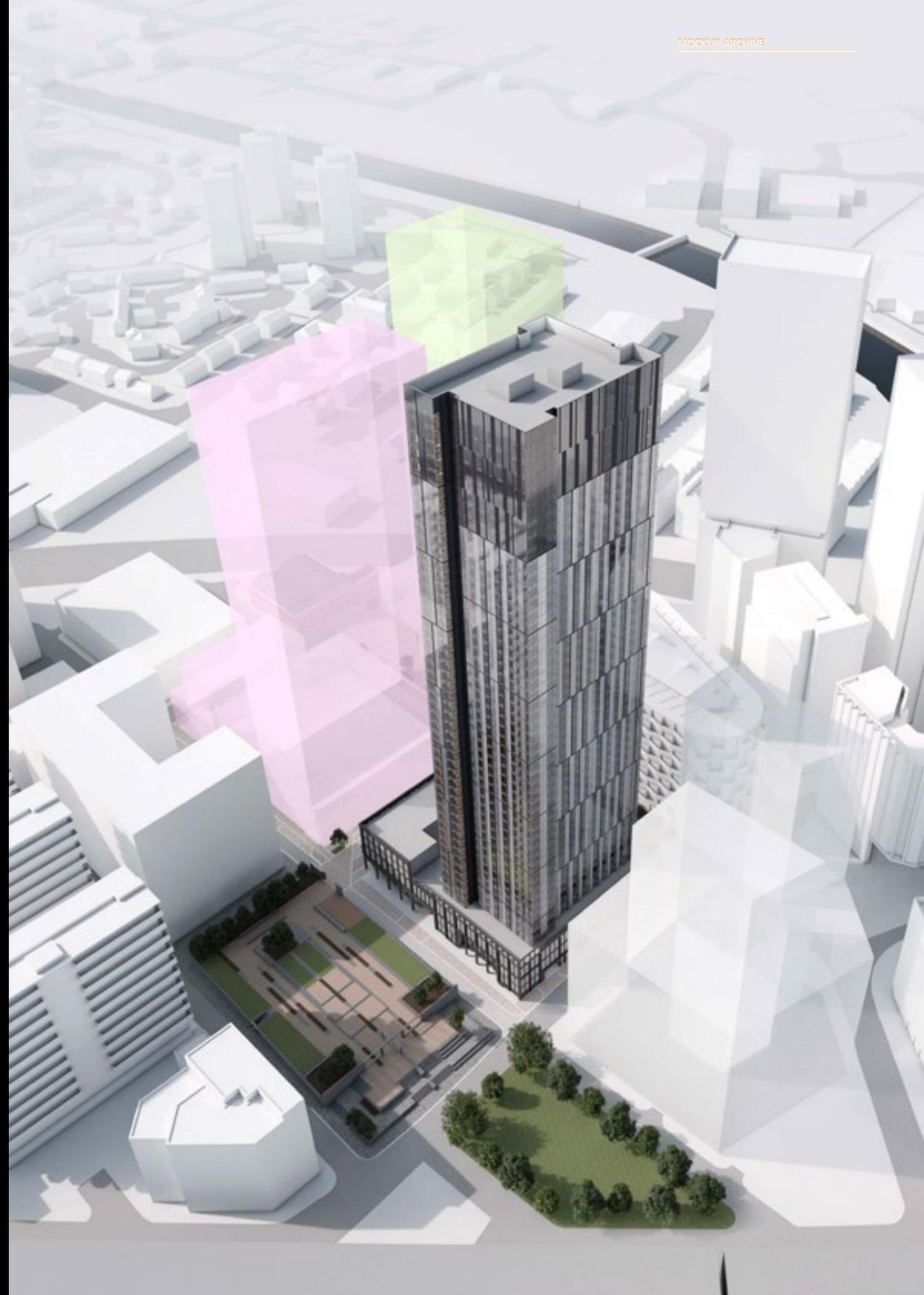
## TECHNOLOGY

**Unitised structurally silicone glazed system with fixed DGU vision glazing with solar control coating, fritted/ceramic back painted DGU panels, insulated metal panels with inward side hung metal panel with external perforated aluminium sheet.**

Cellule vetrate a silicone strutturale con vetro camera a controllo solare, vetro camera serigrafato/smaltato e apertura pannellate ad anta interna con lamiera di alluminio microforata.

**Stick System with DGU vision glazing with solar control coating.**

Facciata a montanti e traversi con vetro camera.





# S3 – KING'S CROSS CENTRAL LONDON

PROJECT  
**S3 – King's Cross Central**

LOCATION  
**London**

ARCHITECT  
**Allford Hall Monaghan Morris  
– Bennets Associates**

CONTRACTOR  
**BAM Construction**

CLIENT  
**King's Cross Central Limited Partnership**

## TECHNOLOGY

**Unitised curtain wall system with glazed infills, extruded terracotta bespoke colour, projecting vertical aluminium fins.**

Cellule vetrate con fermavetro e vetro camera high performance, vetro camera colorato in pasta, pannelli spandrel con terracotta esterna con finitura personalizzata.

**Unitised curtain wall system with metal spandrel panels and vertical aluminium fins.**

Cellule opache con lamiera verniciata esterna e fin verticali in alluminio.

**DGU toggle fixed aluminium stick curtain wall system with horizontal and vertical insulated pressed aluminium infill panels, horizontal extruded louvres system.**

Facciata a montanti e traversi con chiavetta esterna, vetro camera low-iron e basso emissivo, fins e cornici esterne in alluminio verniciato.

**Prefabricated unitised panels forming punched windows within precast concrete cladding.**

Cellule vetrate inserite all'interno di pannelli in calcestruzzo prefabbricato.

**Rainscreen metal cladding with flat aluminium metal panels.**

Facciata ventilata con pannelli in alluminio verniciati.





# R8 – KING'S CROSS CENTRAL LONDON

PROJECT  
**R8 – King's Cross Central**

LOCATION  
**London**

ARCHITECT  
**Piercy & Company**

CONTRACTOR  
**McLaren Construction Ltd**

CLIENT  
**King's Cross Central Limited Partnership**

## TECHNOLOGY

**Unitised SSG system with fixed DGU vision glazing and external GRC and aluminium fins.**  
Cellule vetrate a silicone strutturale con vetro camera e cornici esterne realizzate con GRC e lamiera di alluminio.

**Stick system façade at lower levels.**  
Facciate a montanti e traversi.





# CROWN STREET C4 -THE BLADE MANCHESTER

**PROJECT**

Crown Street C4 – The Blade

**LOCATION**

Manchester

**ARCHITECT**

SimpsonHaugh Architects

**CONTRACTOR**

Renaker Build Ltd

**TECHNOLOGY**

**Tower:** SSG units alternating triple glazing vision units, enamelled DGU spandrel panels with varied grey tones, anodised perforated aluminium purge vents. West and East elevations featuring light grey enamelling, North and South elevation featuring dark grey enamelling. Furthermore, South elevation integrates projecting horizontal and vertical aluminium fins.

Torre: cellule SSG a doppia specchiatura con soluzioni alternate: vision con TGU, spandrel DGU con smaltature a diversi toni di grigio, purge vents rivestiti da lamiere perforate anodizzate. Fronti est e ovest a toni chiari, nord e sud a toni scuri. Il fronte sud include inoltre un reticolo di pinne aggettanti orizzontali e verticali.

**Podium:** toggle façade with external anodized fins and perforated sheet spandrel panels.

Podio: facciate a montanti e traversi con pinne esterne anodizzate e zone pannellate rivestite in lamiera perforata.





# CROWN STREET C5 – THREE60 MANCHESTER

PROJECT  
**Crown Street C5 – Three60**

LOCATION  
**Manchester**

ARCHITECT  
**SimpsonHaugh Architects**

CONTRACTOR  
**Renaker Build Ltd**

## TECHNOLOGY

**Tower: SSG units alternating triple glazing vision units, enamelled DGU spandrel panels with varied grey tones, anodised perforated aluminium purge vents.**

Torre: Cellule SSG a doppia specchiatura con soluzioni alternate: vision con TGU, spandrel DGU con smaltature a diversi toni di grigio, purge vents rivestiti da lamiera perforata anodizzata.

**Podium: toggle façade with external anodized fins and perforated sheet spandrel panels.**

Podio: facciate a montanti e traversi con pinne esterne anodizzate e zone pannellate rivestite in lamiera perforata.





# ONE BROADGATE LONDON

PROJECT  
**One Broadgate**

LOCATION  
**London**

ARCHITECT  
**Allford Hall Monaghan Morris**

CONTRACTOR  
**Sir Robert McAlpine**

CLIENT  
**British Land & GIC**

## TECHNOLOGY

**Unitised structurally silicone glazed system with fixed DGU vision glazing with solar control coating, fritted/ceramic back painted DGU panels, insulated metal panels with inward side hung metal panel with external perforated aluminium sheet.**

Cellule vetrate a silicone strutturale con vetro camera a controllo solare, vetro camera serigrafato/smaltato e apertura pannellate ad anta interna con lamiera di alluminio.

**External aluminium fins in multiple colours**

Pinne esterne in alluminio in molteplici colorazioni

**GRP planters**

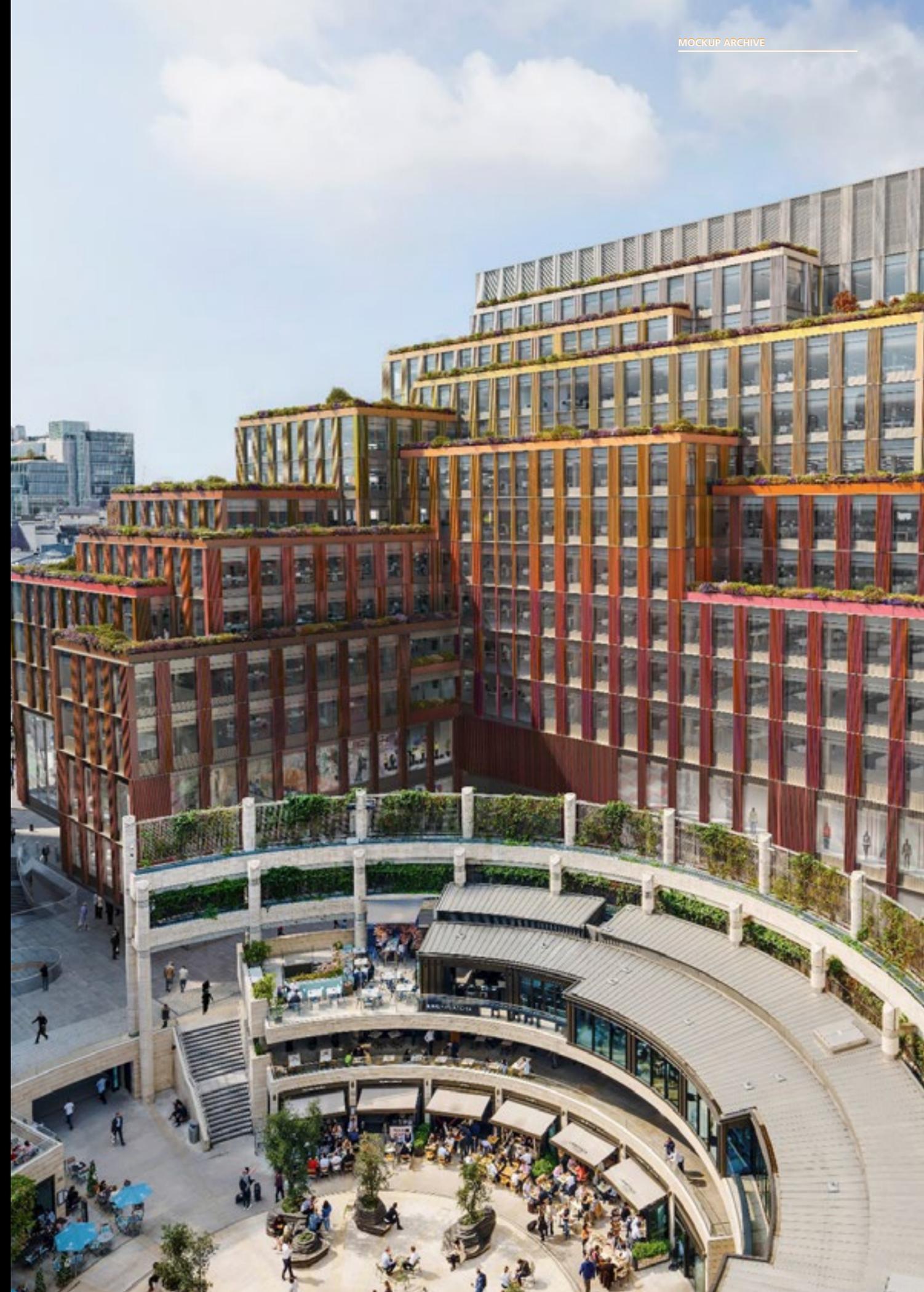
Fioriere in vetroresina

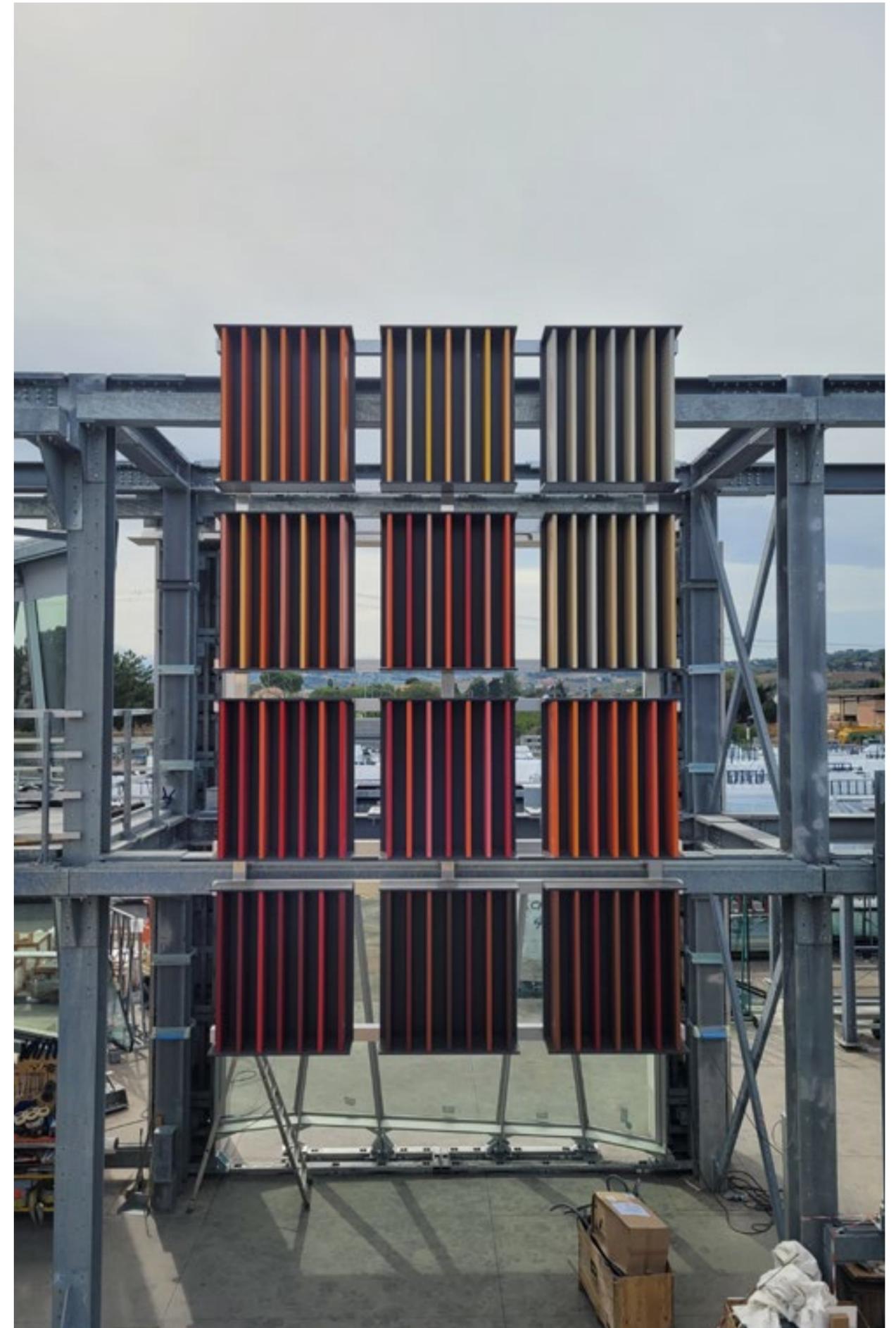
**Stick System with DGU vision glazing with solar control coating.**

Facciata a montanti e traversi con vetro camera

**Timber soffit**

Controsoffitto in baguette di legno





# 44 MERRION STREET LEEDS

PROJECT  
**44 Merrion Street**

LOCATION  
**Leeds**

ARCHITECT  
**SimpsonHaugh Architects**

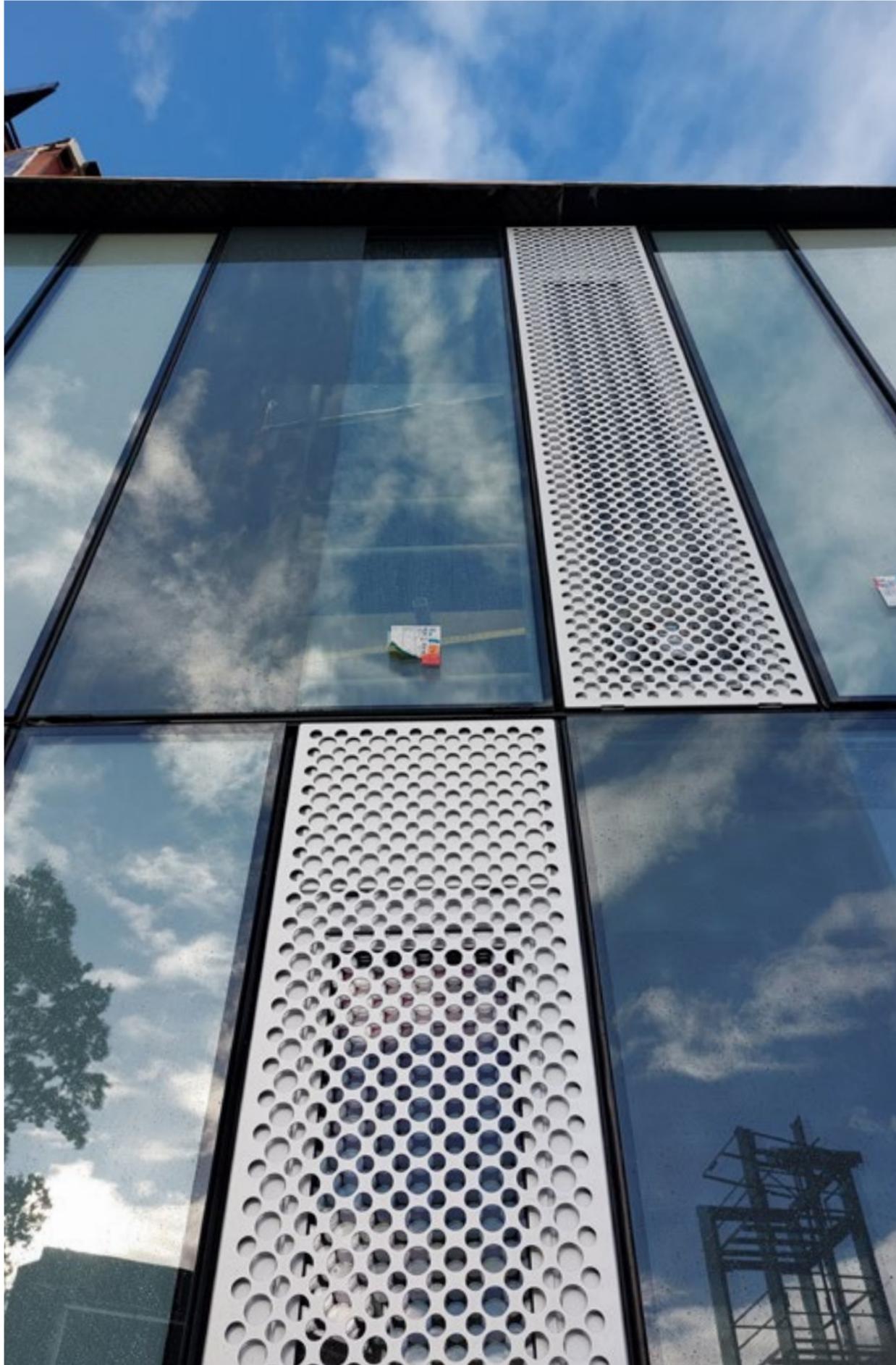
CONTRACTOR  
**HG Construction Ltd**

## TECHNOLOGY

**SSG units alternating triple glazing vision units, enamelled DGU spandrel panels with varied grey tones, anodised perforated aluminium purge vents.**

Cellule SSG a doppia specchiatura con soluzioni alternate: vetro camera vision; spandrel con smaltatura e purge vents rivestiti da lamiere perforate anodizzate.





# COLUMBIA UNIVERSITY 600 WEST - 125TH STREET NEW YORK

PROJECT  
**Columbia University 600 West - 125th Street**

LOCATION  
**New York**

ARCHITECT  
**Renzo Piano Building Workshop**

CONSTRUCTION MANAGER  
**Pavarini McGovern**

GLAZING CONTRACTOR  
**Walsh Glass and Metal**

FAÇADE CONSULTANT  
**Thorton Tomasetti**

CLIENT  
**Columbia University**

## TECHNOLOGY

**Custom unitized curtain wall system with GFRC (Glass Fiber Reinforced Concrete) and double laminated DGU glazing. Custom shaped GFRC panels with custom pastel blue color and high-gloss polish finish.**

Merge Unit: cellule realizzate dalla combinazione di semi unit differenti:

- vetrata fissa
- vetrata con apribile a sporgere
- pannello cieco realizzato con lastre in GFRC (Glass Fiber Reinforced Concrete).

Le specchiature vetrate avranno una cornice in alluminio per simulare la geometria dei pannelli in GFRC

Unit Notch: cellule vetrate fisse con fronte solaio realizzato in alluminio.

**Custom Stick-built system with double-glazed units**

Facciata montanti e traversi a fermavetro con vetro camera

**Customized GFRC rainscreen, soffit, coping systems**

Soffit realizzati con GFRC (Glass Fiber Reinforced Concrete)





# 101 FRANKLIN STREET NEW YORK

PROJECT  
101 Franklin Street

LOCATION  
New York

ARCHITECT  
Rafael Vinoly Architects

CONSTRUCTION MANAGER  
Urban Atelier Group

GLAZING CONTRACTOR  
Walsh Glass and Metal

FAÇADE CONSULTANT  
Entuitive / Socotec

CLIENT  
Columbia Property Trust

## TECHNOLOGY

**Toggle Stick System and bespoke profiles**

Facciata montanti e traversi con sistema a chivetta e profili customizzati





# STONECUTTER COURT LONDON

PROJECT  
**Stonecutter Court**

LOCATION  
**London**

ARCHITECT  
**TP Bennett**

CONTRACTOR  
**Mace Ltd**

CLIENT  
**CO-RE / Allianz and Ivanhoé Cambridge JV**

## TECHNOLOGY

**Unitised SSG system with fixed DGU vision glazing with solar control coating and external GRC and aluminium fins.**  
Cellule vetrate a silicone strutturale con vetro camera a controllo solare, elementi decorativi in GRC e alluminio.

**Unitised diamond grid SSG system with insulated with DGU vision glazing with solar control coating.**  
Cellule diamantate vetrate a silicone strutturale con vetro camera a controllo solare.

**Stick System diamond grid with steel mullion and DGU vision glazing with solar control coating.**  
Facciata diamantata a montanti e traversi di acciaio con vetro camera.

**Stick System with DGU vision glazing with solar control coating.**  
Facciata a montanti e traversi con vetro camera.

**Stone cladding (beams and columns)**  
Rivestimenti in pietra





# FIRST STREET SOUTH MANCHESTER

PROJECT  
**First Street South**

LOCATION  
**Manchester**

ARCHITECT  
**SimpsonHaugh Architects**

CONTRACTOR  
**Downing Construction Ltd**

## TECHNOLOGY

**Unitised structurally silicone glazed system with fritted fixed DGU vision glazing with solar control coating, fritted shadow box panels, inward side hung vision panel with external perforated aluminium sheet.**

Cellule vetrate a silicone strutturale con vetro camera a controllo solare, vetro camera serigrafato/smaltato e apertura vetrata ad anta interna con lamiera di alluminio microforata.

**Stick System with DGU vision glazing with solar control coating.**

Facciata a montanti e traversi con vetro camera.

**Glazed terracotta rainscreen**

Rivestimento in terracotta smaltata





# 81 NEWGATE STREET / PANORAMA ST. PAUL LONDON

**PROJECT**  
81 Newgate Street / Panorama St. Paul

**LOCATION**  
London

**ARCHITECT**  
KPF

**CONTRACTOR**  
Mace Ltd

**CLIENT**  
Client - Orion Capital Managers and Pella Real Estate Partners

## TECHNOLOGY

**Capped unitised curtain walling installed into precast bays. Vision unit with solar control DGU, openable vents and glazed terracotta spandrels with external projecting PPC aluminium fins.**

Cellule vetrate inserite in baie di precast, con fermavetro esterno, vetro camera a controllo solare, rivestimento in terracotta della zona spandrel, apertura vetrata ad anta interna e cornice perimetrale realizzata con pinne in alluminio verticale.

**Capped Stick System with DGU vision glazing with solar control coating and external aluminium fins.**

Facciata a montanti e traversi con vetro camera e pinne esterne in alluminio.

**Glazed balustrades**

Balaustre vetrate





# DOMINO SUGAR REFINERY BROOKLYN

PROJECT  
**Domino Sugar Refinery**

LOCATION  
**Brooklyn, NY**

ARCHITECT  
**PAU Architects  
DWA Dencityworks Architects**

CONTRACTOR  
**Two Trees Management**

## TECHNOLOGY

**Unitized system with DGU vision glazing, side hung windows and vertical painted aluminum fins**  
Cellule vetrate con vetro camera, inserimento di aperture ad anta e pinne esterne in alluminio verniciato

**Curved unitized system with DGU vision glazing and painted aluminum fins**  
Cellule curve vetrate con vetro camera e pinne esterne in alluminio verniciato

**Curved Stick system with fritted DGU glazing and painted aluminum fins**  
Facciata curva a montanti e traversi con vetro camera serigrafato e pinne esterne in alluminio verniciato

**Opaque units with zinc infill panel**  
Cellule pannellate con rivestimento in zinco





# 40 LEADENHALL, LONDON

PROJECT  
**40 Leadenhall**

LOCATION  
**London**

ARCHITECT  
**Make Architects**

CONTRACTOR  
**Mace**

CLIENT  
**Vanquish Properties**

## TECHNOLOGY

**Unitised structurally silicone glazed system with fixed DGU vision glazing, body tinted vision panels and external stainless-steel casing**  
Cellule vetrate a silicone strutturale con vetro camera high performance, vetro camera colorato in pasta e cornici esterne realizzate con lamiera acciaio inox

**Unitised structurally silicone glazed system with fixed DGU vision glazing, body tinted vision panels, natural anodised aluminium horizontal brise-soleil and external stainless-steel casing**  
Cellule vetrate a silicone strutturale con vetro camera high performance, vetro camera colorato in pasta, frangisole orizzontale in alluminio anodizzato e cornici esterne realizzate con lamiera acciaio inox

**Unitised structurally silicone glazed system with fixed DGU vision glazing, body tinted vision panels and external stainless-steel fins**  
Cellule vetrate a silicone strutturale con vetro camera high performance, vetro camera colorato in pasta e pinne esterne realizzate con lamiera acciaio inox

**Double and Single Stick System with DGU and external stainless-steel fins**  
Facciata a montanti e traversi con vetro camera a doppia altezza e pinne/cornici esterne realizzare in lamiera acciaio inox





# PADDINGTON SQUARE, LONDON

PROJECT  
**Paddington – The Cube**

LOCATION  
**London**

ARCHITECT  
**RPBW Architects**

CONTRACTOR  
**SELLAR Property Group**

## TECHNOLOGY

**Double skin glass unitised curtain wall (integrated solution with venetian blinds in the gap between the two skins)**  
Cellule vetrate a doppia pelle (soluzione integrata con tende a veneziana nell'intercapedine tra le due pelli).

**Horizontal external aluminium solar shading.**  
Frangisole orizzontali esterni in alluminio.

**Stick system facade at lower levels with shaped internal aluminium mullion/fins**  
Facciate a montanti e traversi con pinne interne sagomate ai piani inferiori.





# THE BROADWAY, LONDON

PROJECT  
**The Broadway**

LOCATION  
**London**

ARCHITECT  
**Squire and Partners Architects**

CONTRACTOR  
**Multiplex Construction Europe Ltd**

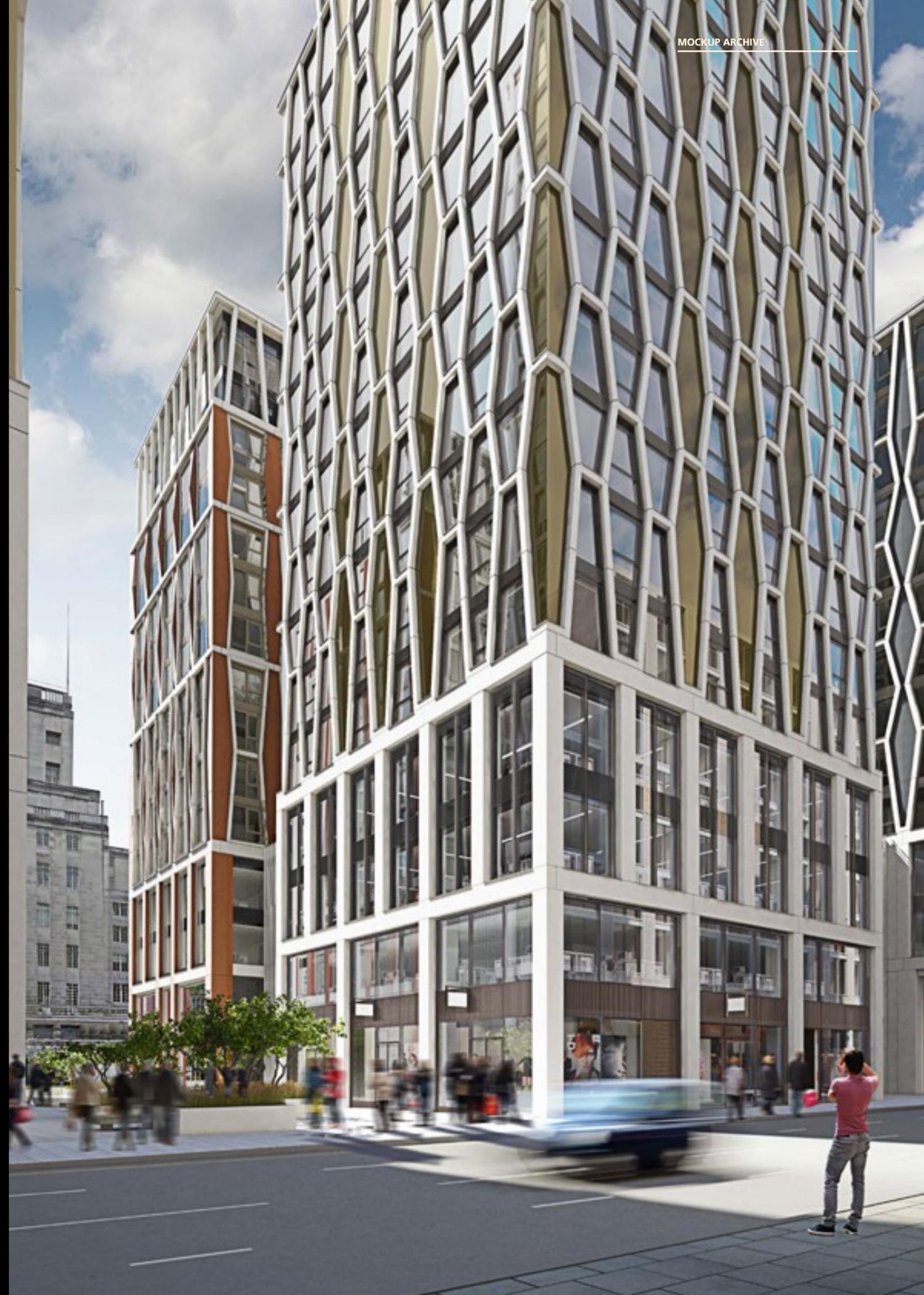
## TECHNOLOGY

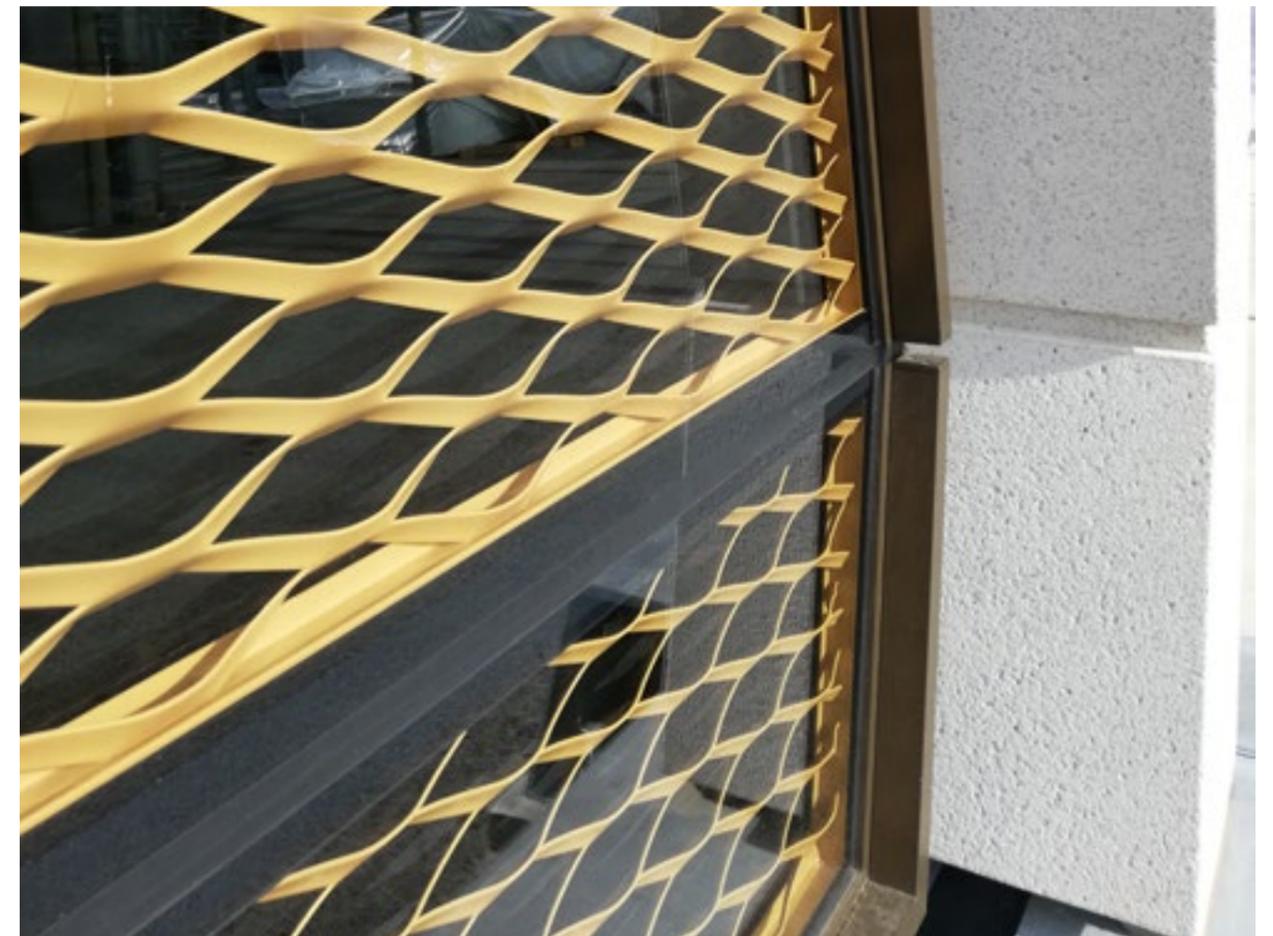
**Structural silicone unitised glazed system**  
Cellule vetrate a silicone strutturale

**Unitised capped glazed system**  
Cellule vetrate a fermavetro

**Glazed stick curtain wall system**  
Facciate montanti e traversi

**Feature glazed units with expanded aluminium mesh**  
Moduli vetrati decorativi con rete stirata in alluminio





# LIBESKIND TOWER, MILANO

PROJECT  
**Libeskind Tower**

LOCATION  
**Milano**

ARCHITECT  
**Studio Libeskind**

CONTRACTOR  
**CMB**

CLIENT  
**CityLife Spa**

## TECHNOLOGY

**Insulated triple glazed unitised curtain walling**  
Cellule vetrate a silicone strutturale con vetro triplo





# 70 ST. MARY AXE, LONDON

PROJECT  
70 St. Mary Axe

LOCATION  
London

ARCHITECT  
Foggo Associates

CONTRACTOR  
Mace

## TECHNOLOGY

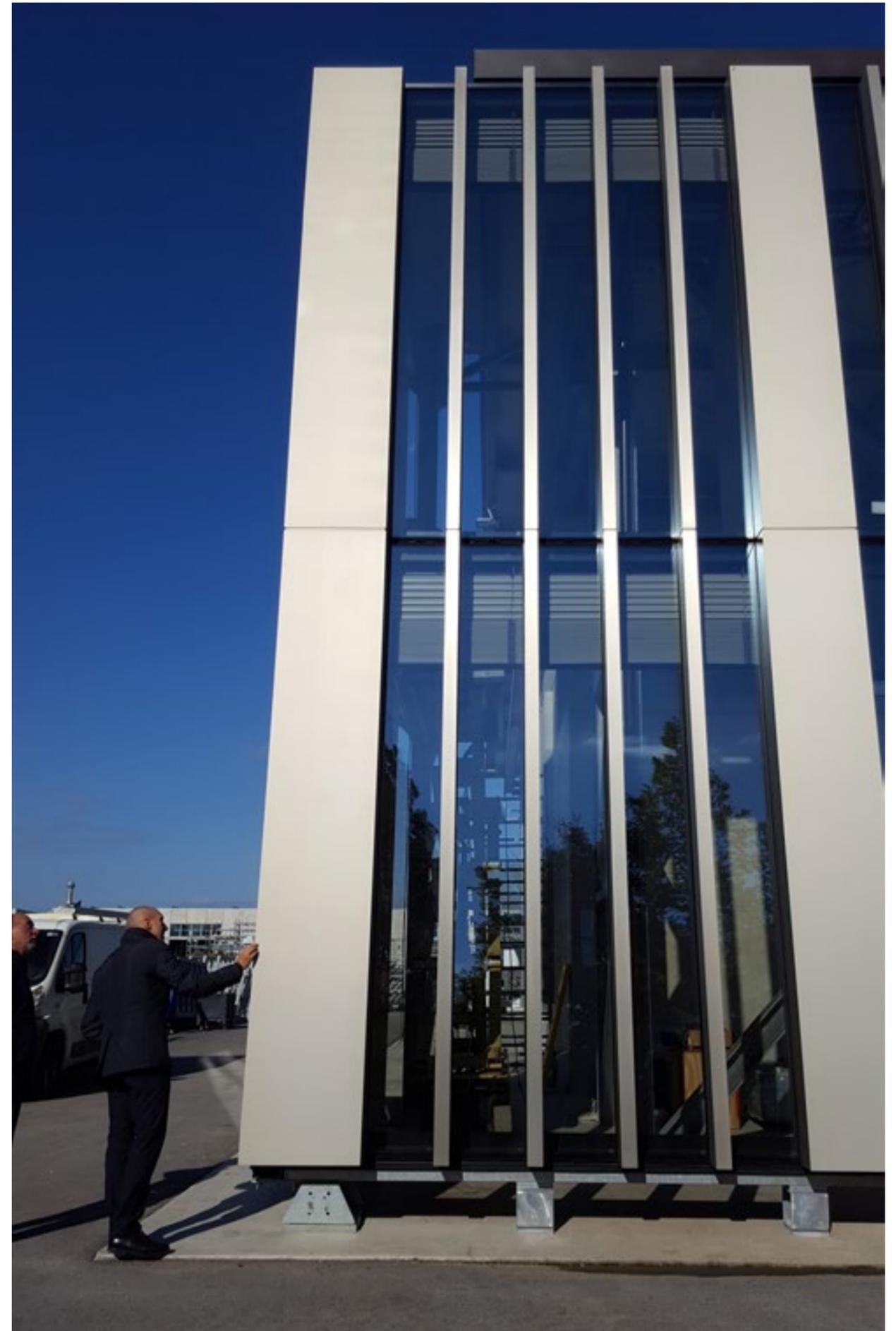
**Flat and cold bent unitised structurally silicone glazed system**  
Cellule vetrate piane a silicone strutturale e cellule con vetri curvati a freddo

**Toggle system with reinforced steel mullions**  
Facciate montanti e traversi - vetrate con rinforzi in acciaio

**Vertical anodised aluminium fins**  
Pinne esterne in alluminio anodizzato

**Anodised aluminium columns casing**  
Rivestimenti in lamiera di alluminio





# 245 HAMMERSMITH ROAD, LONDÓN

PROJECT  
245 Hammersmith Road

LOCATION  
London

ARCHITECT  
Sheppard Robson

CONTRACTOR  
LendLease Ltd

## TECHNOLOGY

**Flat unitised structurally silicone glazed system with projecting aluminium elements (red die anodising)**  
Cellule vetrate piane a silicone strutturale, con elementi metallici in alluminio in oggetto a realizzare una cornice esterna di colore rosso (red die)

**Vertical anodised aluminium fins**  
Elementi frangisole in alluminio anodizzato

**Toggle system with reinforced steel mullions**  
Facciate vetrate a montanti e traversi con rinforzi in acciaio





# BATTERSEA POWER STATION PHASE 2, LONDON

PROJECT  
**Battersea Power Station - Phase II**

LOCATION  
**London**

ARCHITECT  
**Wilkinson Eyre**

CONTRACTOR  
**Mace**

## TECHNOLOGY

**Insulated double glazed unitised curtain walling**  
Cellule vetrate a silicone strutturale

**Insulated double glazed toggle system**  
Facciate montanti e traversi

**Stone rainscreen comprising support steel structure**  
Rivestimenti in pietra inclusa struttura di sostegno in acciaio

**Glass and metal zinc rainscreen system**  
Rivestimenti in vetro e metallo





# 1508 CONEY ISLAND AVENUE BROOKLYN

PROJECT  
1508 Coney Island Avenue

LOCATION  
Brooklyn, NY

ARCHITECT  
Shop Architects

CONTRACTOR  
Better Image Contracting

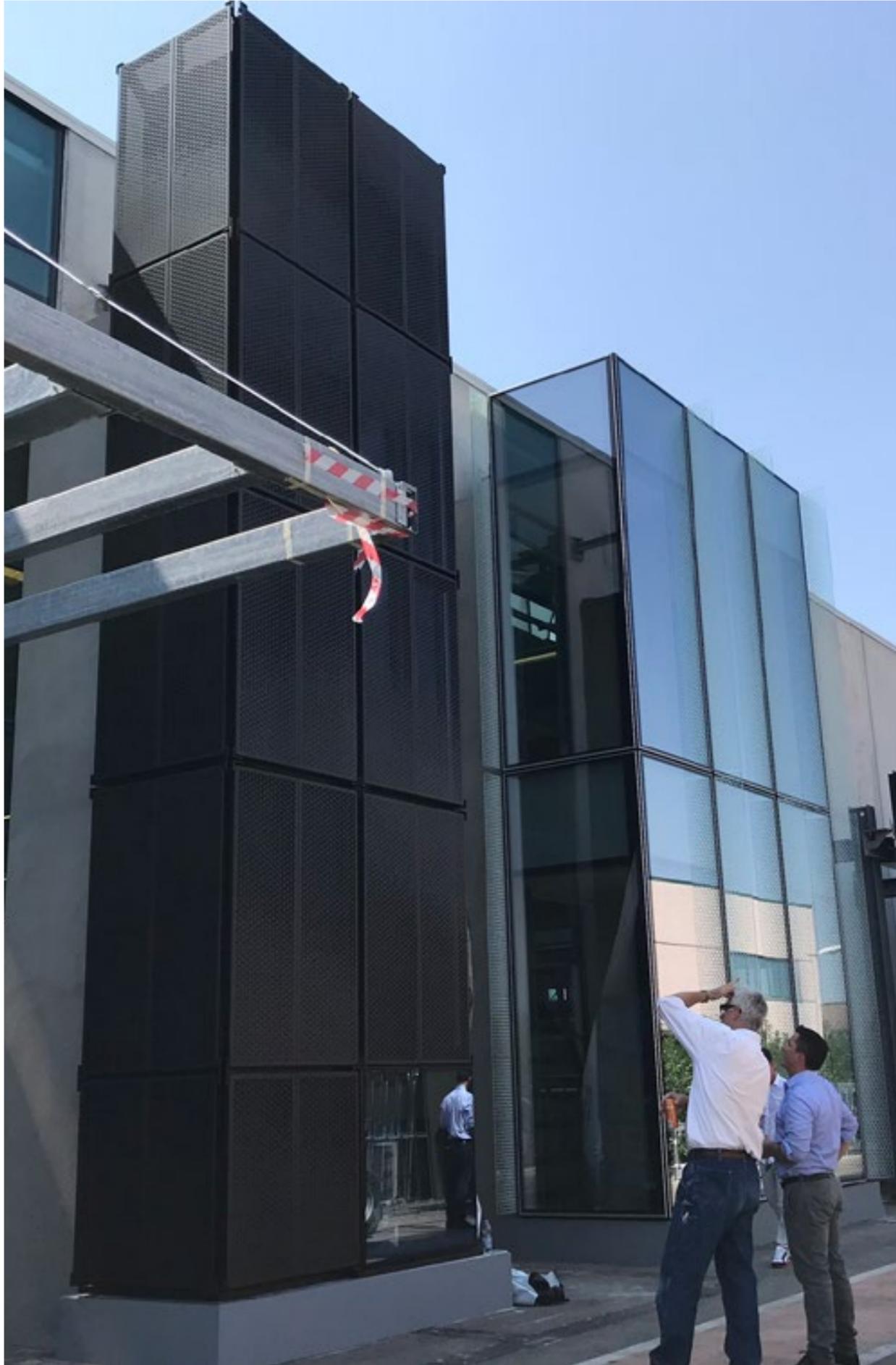
## TECHNOLOGY

**Unitised structurally silicone glazed system.**  
Cellule vetrate a silicone strutturale.

**Unitised spandrel and glazed unit with external double skin with perforated and openable aluminium sheet.**  
Cellule spandrel e vetrate con doppia pelle in lamiera di alluminio microforata all'esterno con moduli apribili.

**Ceramic frit glazed decorative fins.**  
Pinne vetrate serigrafate.





# ALLIANZ TOWER, MILANO

PROJECT  
**Allianz Tower**

LOCATION  
**Milano**

ARCHITECT  
**Arata Isozaki - Andrea Maffei**

CONTRACTOR  
**Colombo Costruzioni**

CLIENT  
**CityLife Spa**

## TECHNOLOGY

**Cold bent triple glazing SSG unitised façades**  
Cellule strutturali leggermente curvate a freddo con triplo vetro

**Glazed ventilated façades**  
Rivestimenti vetrati ventilati





# FOUR PANCRAS SQUARE, LONDON

PROJECT  
**Four Pancras Square**

LOCATION  
**London**

ARCHITECT  
**Eric Parry Architects**

CONTRACTOR  
**BAM Construction Ltd**

## TECHNOLOGY

**Unitised capped glazed system**  
Facciate a cellule vetrate con fermavetro

**Toggle system with aluminium profiles**  
Facciate montanti e traversi - vetrate con profili in alluminio

**Horizontal terracotta brise soleil**  
Pale frangisole orizzontali in terracotta

**Sliding doors**  
Porte scorrevoli

**Glass balustrades**  
Balaustre vetrate





# DEANSGATE SQUARE MANCHESTER

PROJECT  
**Deansgate Square**

LOCATION  
**Manchester**

ARCHITECT  
**SimpsonHaugh and Partners**

CONTRACTOR  
**Renaker Build Ltd**

## TECHNOLOGY

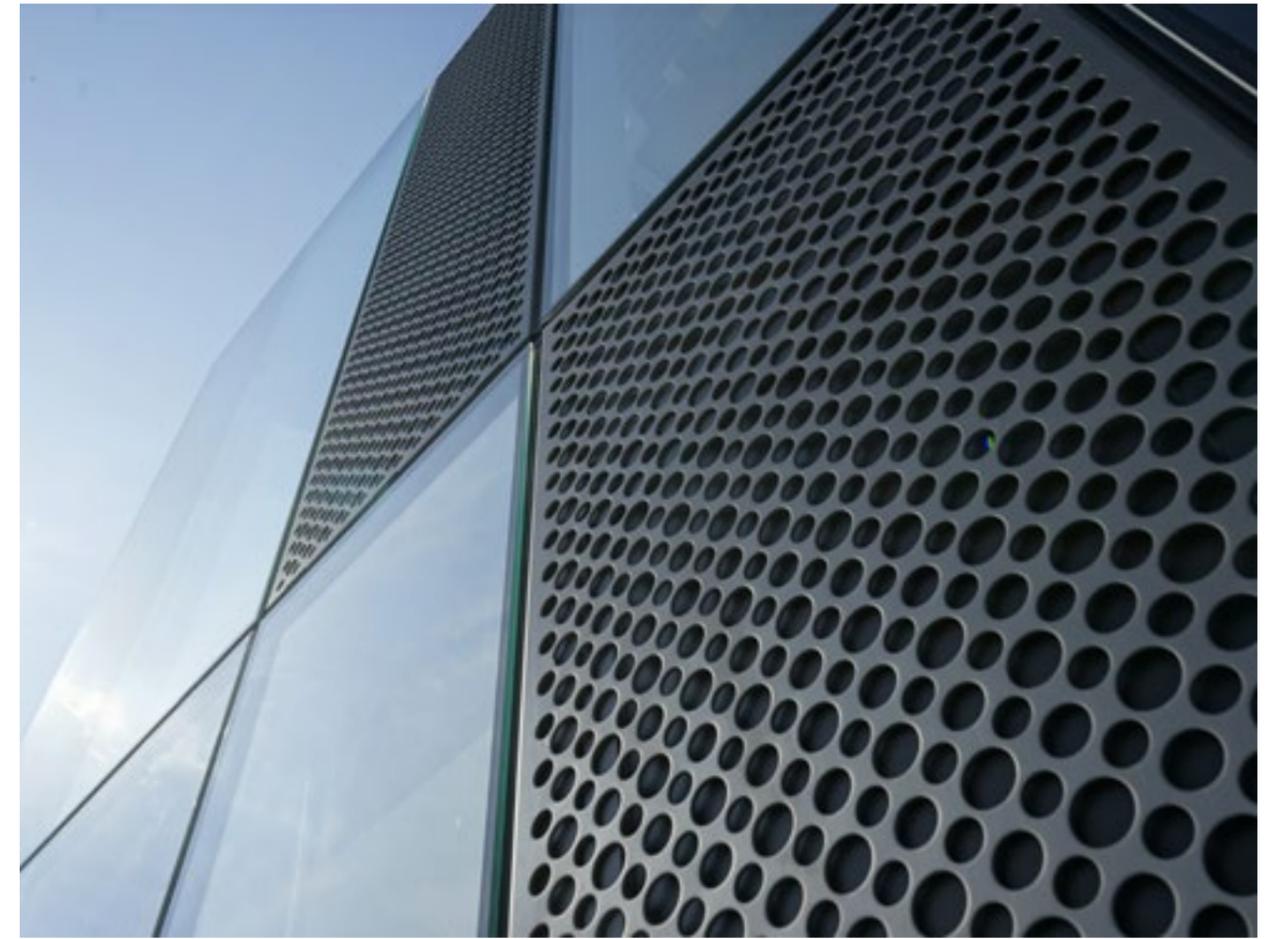
### Structural silicone unitised glazed system

Cellule vetrate a silicone strutturale

### Glazed and spandrel units with inwards opening vent and external perforated aluminium sheet

Cellule vetrate e pannellate con apertura ad anta verso l'interno e lamiera d'alluminio forata all'esterno





# 103 COLMORE ROW, BIRMINGHAM

PROJECT  
103 Colmore Row

LOCATION  
Birmingham

ARCHITECT  
Doone Silver Kerr

CONTRACTOR  
BAM Construction Ltd

## TECHNOLOGY

**Unitised structurally silicone glazed system**  
Cellule vetrate a silicone strutturale

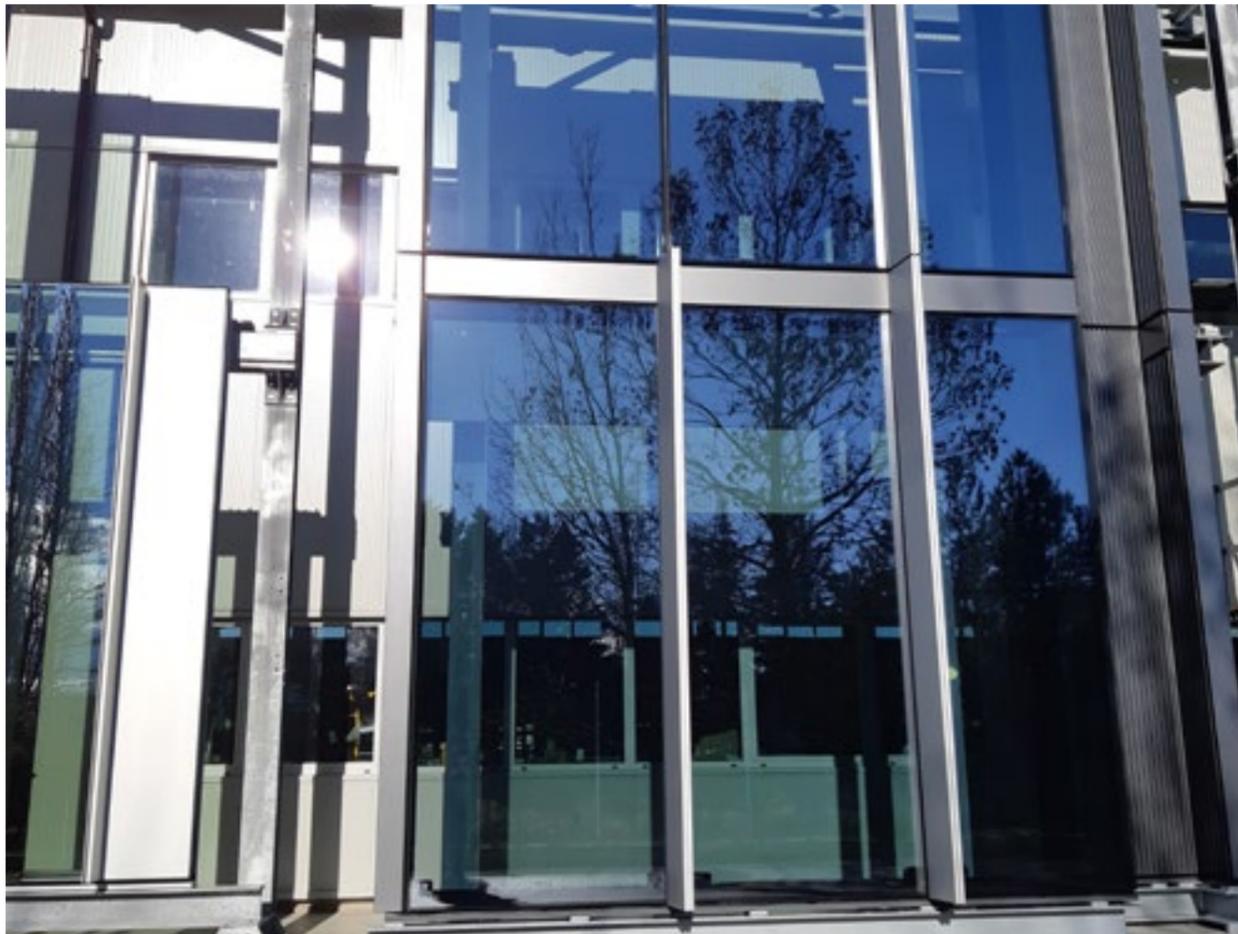
**Unitised structurally silicone glazed with external aluminium vertical fins**  
Cellule vetrate a silicone strutturale con pinne esterne in alluminio

**Double height unitised structurally silicone glazed system**  
Cellule vetrate a silicone strutturale doppia altezza

**Double Height unitised structurally silicone glazed with external aluminium vertical fins**  
Cellule vetrate a silicone strutturale doppia altezza con pinne esterne in alluminio

**Wintergarden glazed screen with pretensioned ropes**  
Facciata vetrata con tiranti pretensionati





# 11-21 CANAL REACH, LONDON

PROJECT  
**11-21 Canal Reach**

LOCATION  
**London**

ARCHITECT  
**Bennetts Associates Architects**

CONTRACTOR  
**BAM Construction Ltd**

## TECHNOLOGY

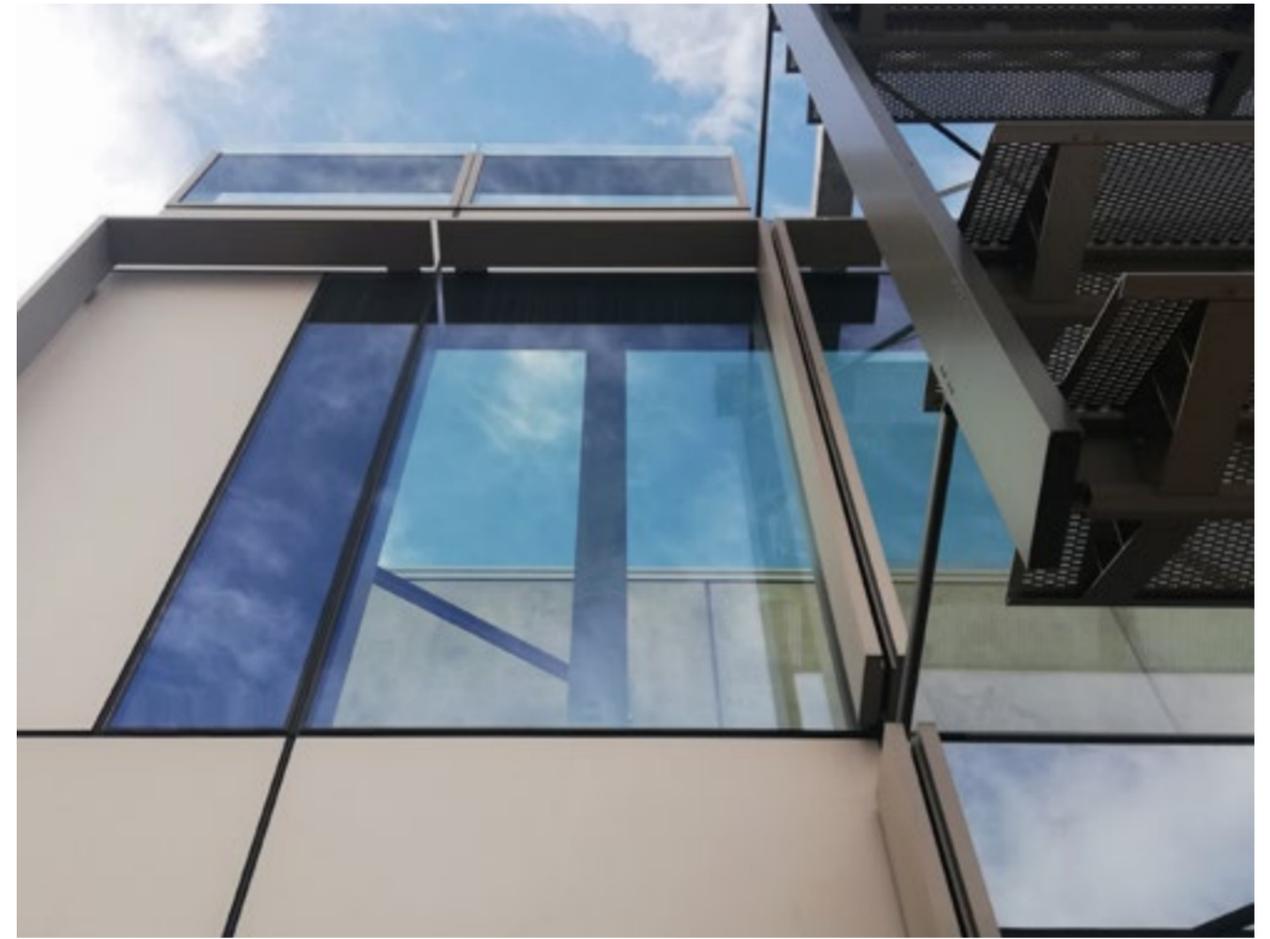
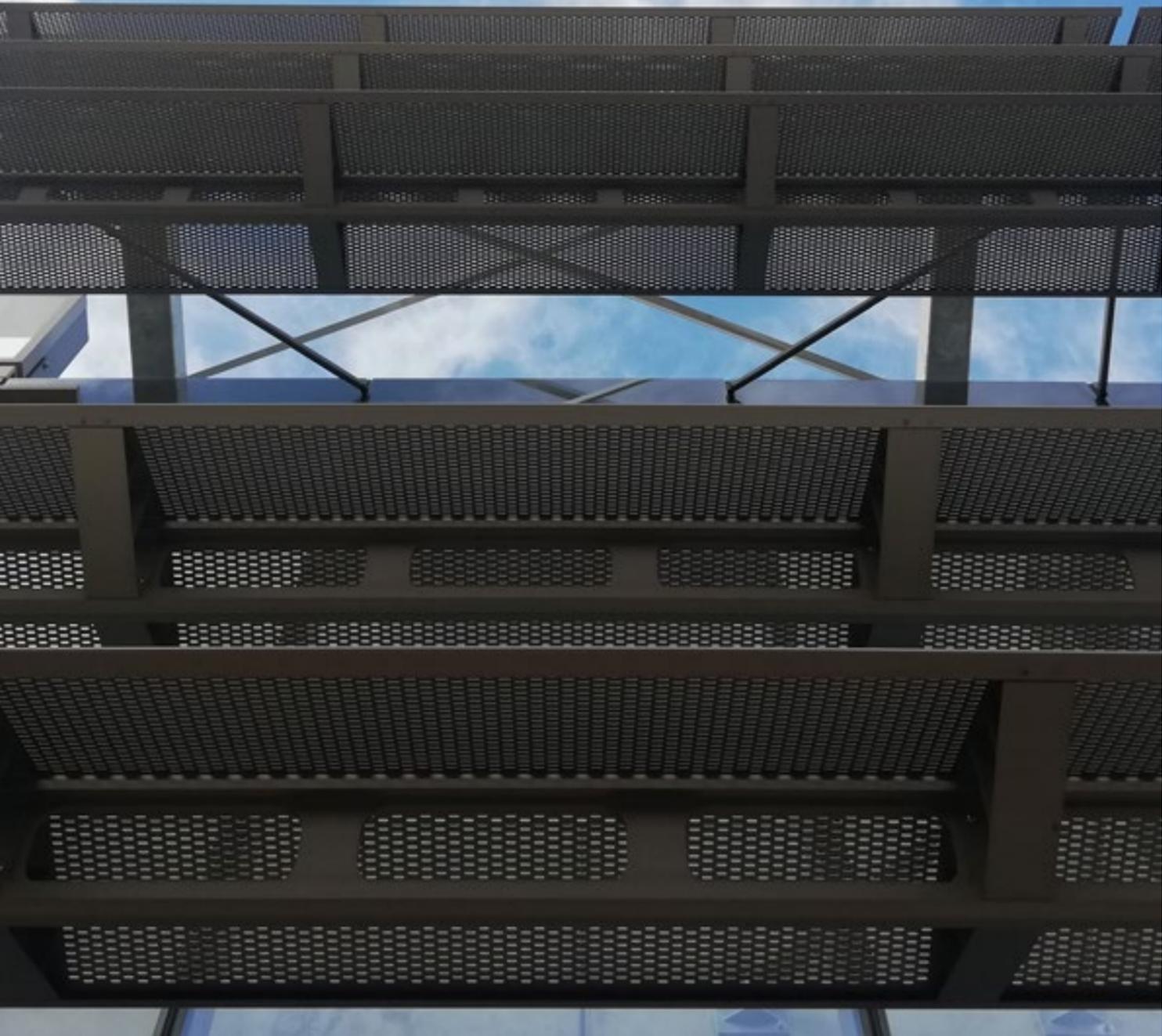
**Unitised structurally silicone glazed system**  
Cellule vetrate a silicone strutturale

**External aluminium brise soleil**  
Frangisole esterni in alluminio

**Glazed atrium roof**  
Copertura vetrata atrio

**Glazed stick system**  
Facciata montanti e traversi





# U1 MILANO

PROJECT  
U1

LOCATION  
Assago, Milano

ARCHITECT  
Park Associati

CLIENT  
Milanofiori Sviluppo Srl

INTEGRATED DESIGN AND PROJECT COORDINATION  
General Planning

## TECHNOLOGY

**Unitised structurally silicone glazed system with TGU glazing.**

Cellule vetrate a silicone strutturale con vetro a doppia camera

**Stick system façade at lower levels also with external anodised aluminium fins.**

Facciate a montanti e traversi anche con pinne esterne in alluminio ossidato ai piani inferiori

**Ventilated façade with microperforated aluminium panels**

Facciata ventilata con pannelli in lamiera di alluminio microforata e pressopiegata





# U3, MILANO

PROJECT  
**U3**

LOCATION  
**Assago, Milano**

ARCHITECT  
**GBPA Architects**

CLIENT  
**Milanofiori Sviluppo Srl**

INTEGRATED DESIGN AND PROJECT COORDINATION  
**General Planning**

## TECHNOLOGY

**Unitised structurally silicone glazed system with TGU glazing external vertical glazed fins**  
Cellule vetrate a silicone strutturale con vetrazione a doppia camera e lame esterne verticali in vetro serigrafato

**Stick system façade at lower levels**  
Ai piani bassi facciate a montanti e traversi

**Ventilated façade with microperforated aluminium panels**  
Facciata ventilata con pannelli in lamiera di alluminio microforata e pressopiegata





# WESTFIELD M7, STRATFORD LONDON

PROJECT  
**Westfield M7**

LOCATION  
**London**

ARCHITECT  
**SimpsonHaugh and Partners**

CONTRACTOR  
**URW Unibail-Rodamco-Westfield**

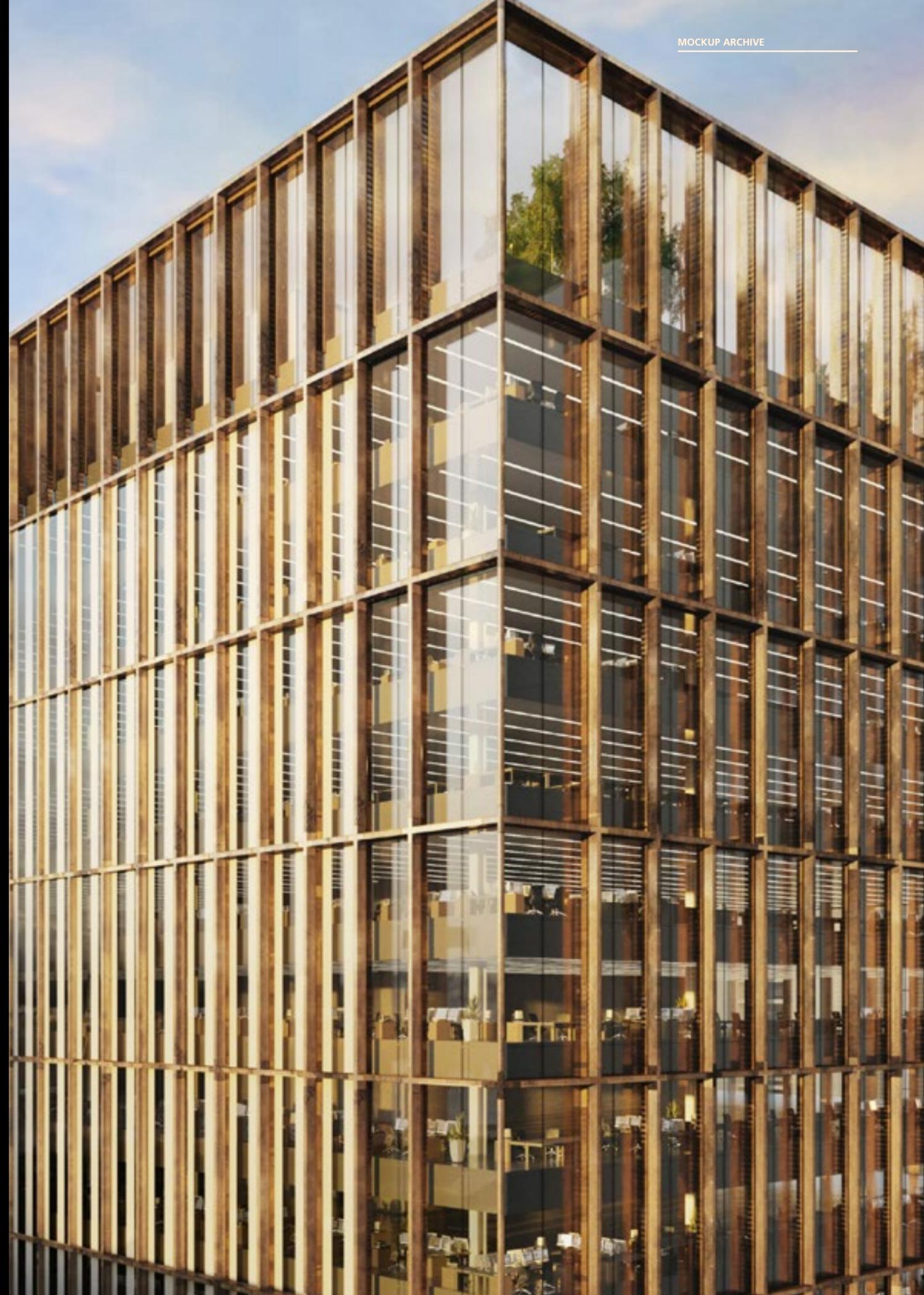
## TECHNOLOGY

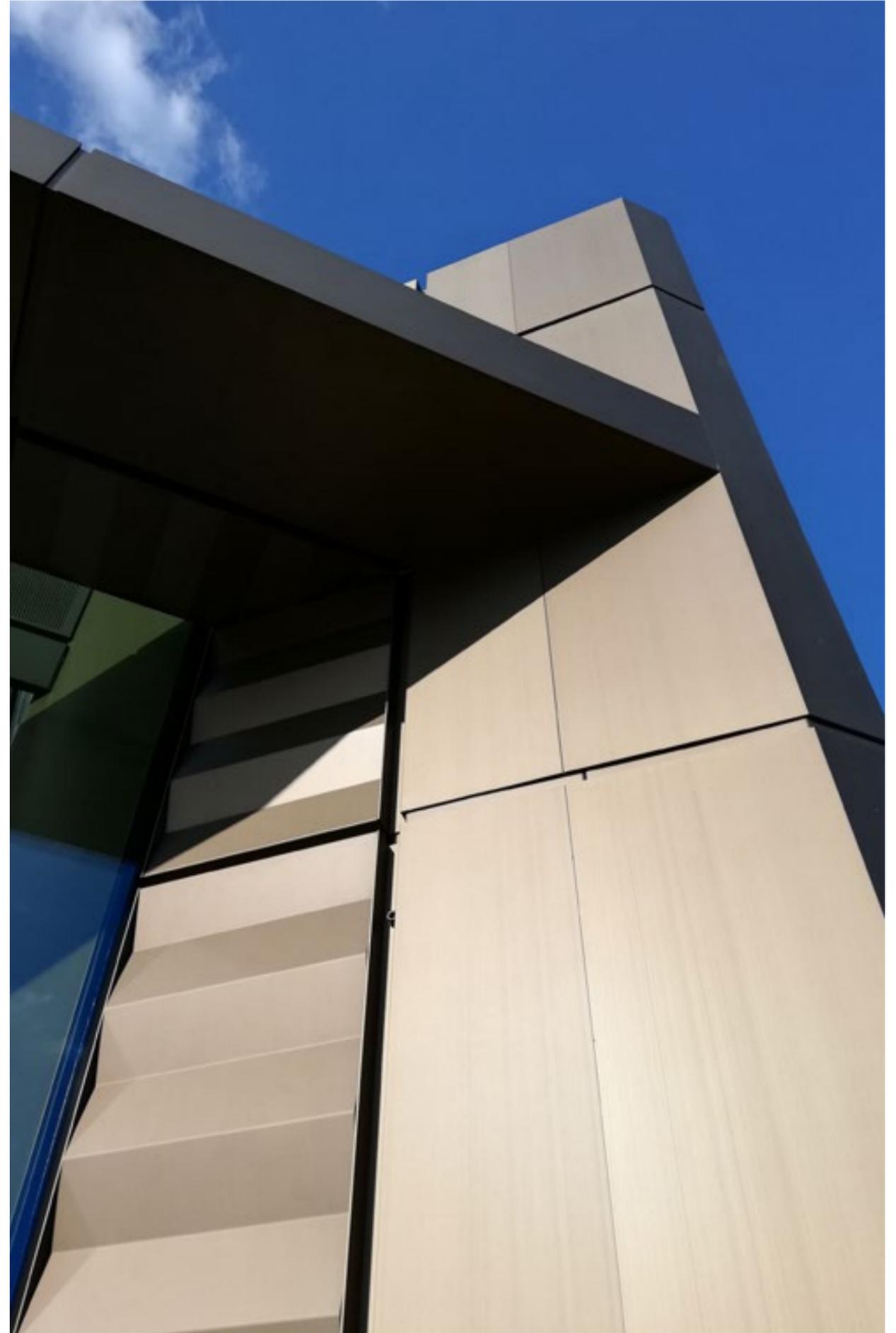
**Unitised structurally silicone glazed system**  
Cellule vetrate a silicone strutturale

**Bomb blast glazed façades**  
Facciate vetrate resistenti a carichi esplosivi

**Internal atrium fire resistant façade**  
Facciata atrio interno resistente al fuoco

**External horizontal and vertical aluminium fins**  
Fins esterne orizzontali e verticali in alluminio





# DOLLAR BAY, LONDON

PROJECT  
**Dollar Bay**

LOCATION  
**London**

ARCHITECT  
**SimpsonHaugh and Partners**

CONTRACTOR  
**Mount Anvil**

## TECHNOLOGY

### Unitised structural silicone glazed system

Cellule vetrate a silicone strutturale

### Stick aluminium toggle façade, triangular and trapezoidal DGU

Sistema a montanti e traversi: vetrate trapezie con montanti in alluminio

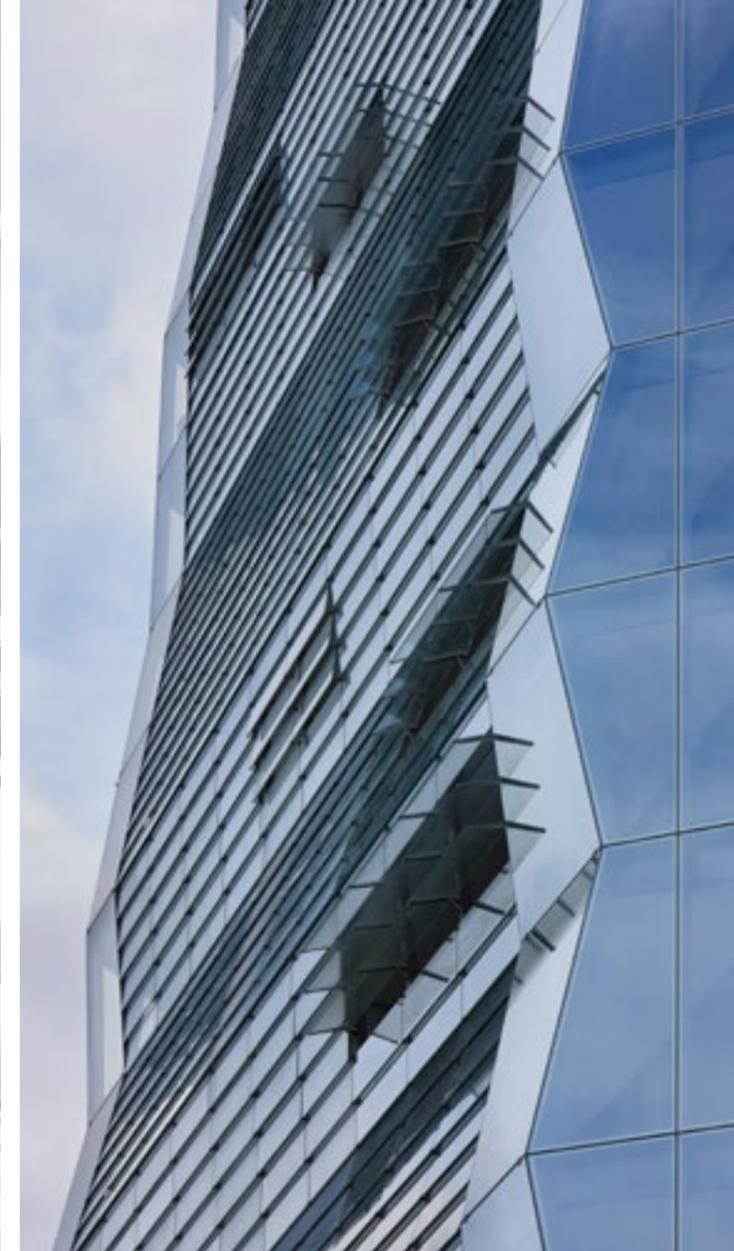
### Unitised façade integrating motorised glass louvres

Facciata a cellule con integrati louvres in vetro motorizzati

### Sliding doors

Porte scorrevoli





# FOUR KINGDOM STREET, LONDON

PROJECT  
**Four Kingdom Street**

LOCATION  
**London**

ARCHITECT  
**Allies and Morrison**

CONTRACTOR  
**Wates Group**

## TECHNOLOGY

**Flat and curved unitised structurally silicone glazed system**  
Cellule vetrate a silicone strutturale piane e curve

**Toggle system**  
Facciate montanti e traversi

**Vertical and horizontal aluminium louvres**  
Pale frangisole in alluminio

**Aluminium rainscreen panel system**  
Rivestimenti in lamiera di alluminio





# ANACONDA CUT, MANCHESTER

PROJECT  
**Anaconda Cut**

LOCATION  
**Manchester**

ARCHITECT  
**OMI Architects**

CONTRACTOR  
**Renaker Build Ltd**

## TECHNOLOGY

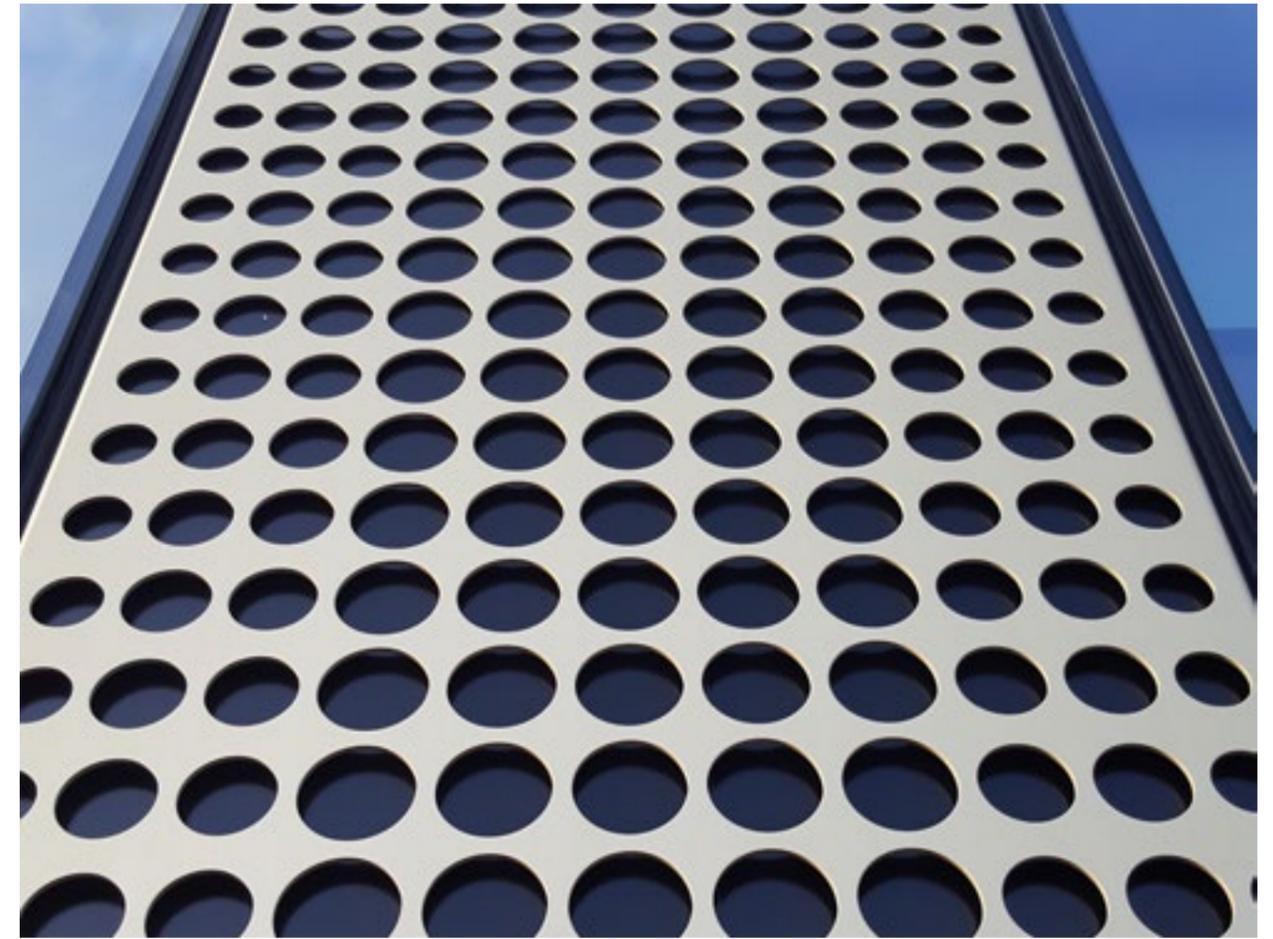
### Structural silicone unitised glazed system

Cellule vetrate a silicone strutturale

### Glazed and spandrel units with inwards opening vent and external perforated aluminium sheet

Cellule vetrate e pannellate con apertura ad anta verso l'interno e lamiera d'alluminio forata all'esterno





# INFINITY, LIVERPOOL

PROJECT  
**Infinity**

LOCATION  
**Liverpool**

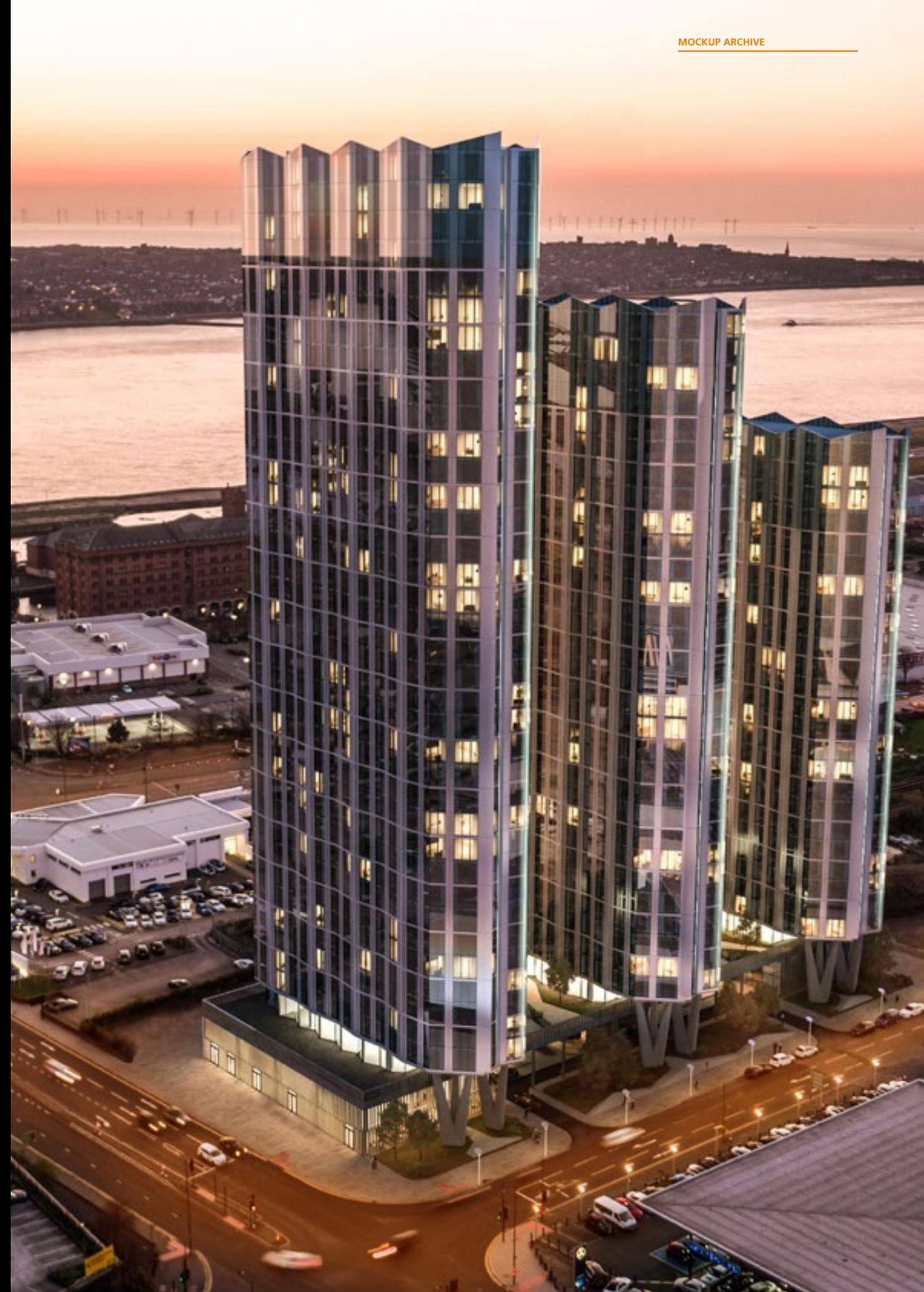
ARCHITECT  
**Falconer Chester Hall**

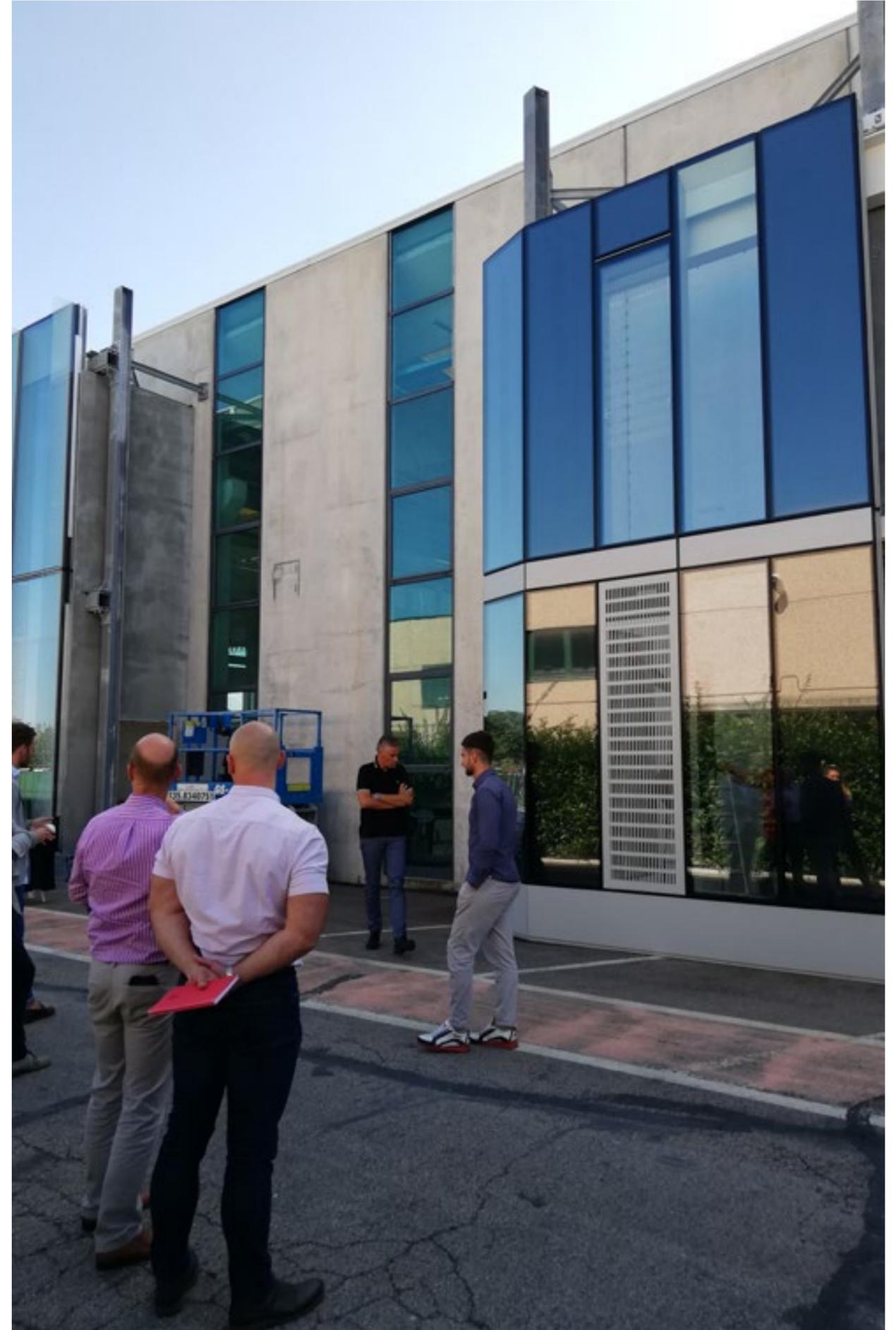
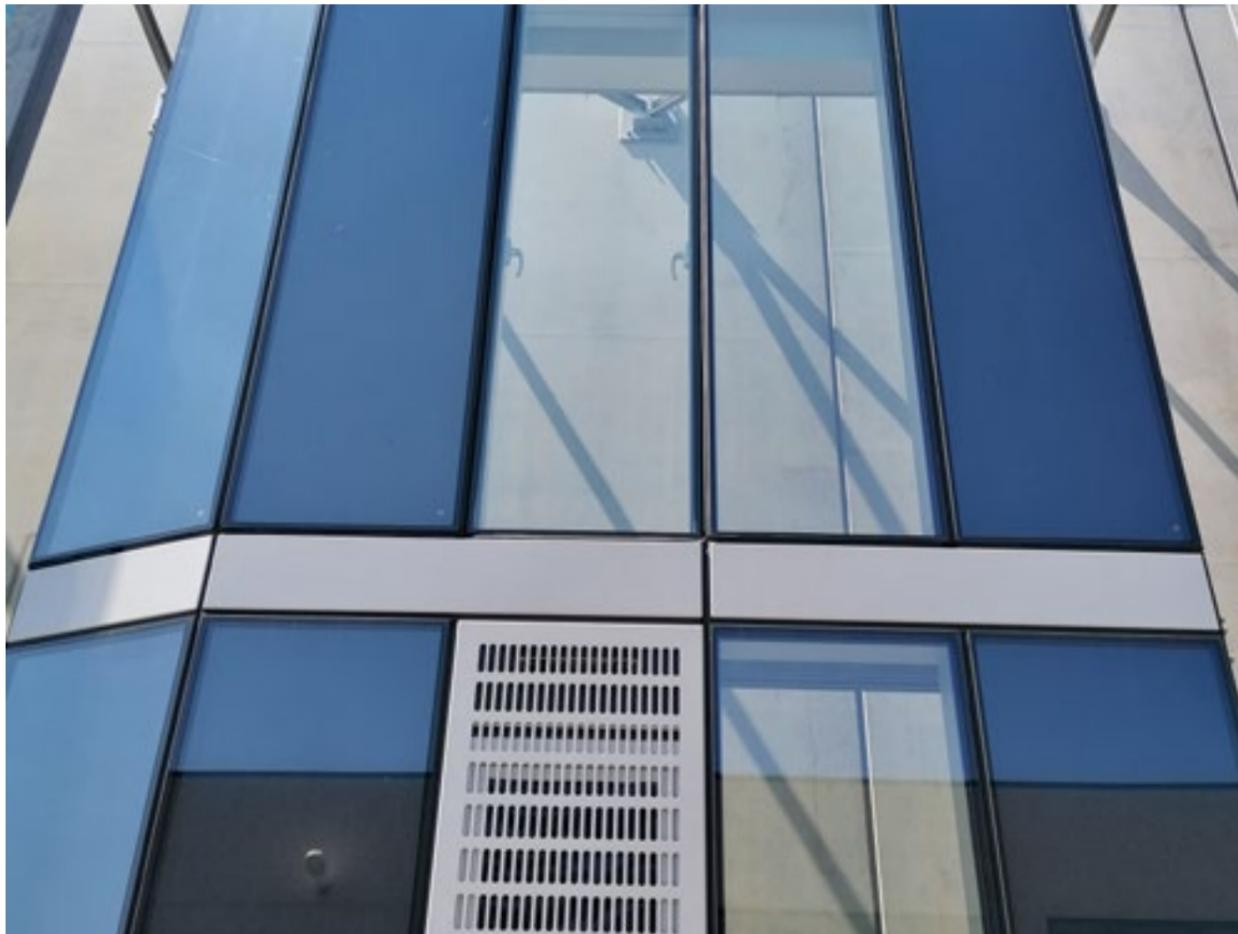
CONTRACTOR  
**Vermont Construction Limited**

## TECHNOLOGY

**Double and Single Stick System with DGU and external aluminium fins**  
Facciata a montanti e traversi con vetro camera e pinne esterne in alluminio

**Structural silicone unitised system with fixed triple vision glazing, ceramic back painted vision panels, insulated metal panels with inward side hung metal panel with external perforated aluminium sheet**  
Cellule vetrate a silicone strutturale con vetro triplo, vetro camera smaltato e apertura pannellate ad anta interna con lamiera di alluminio microforata





# ONE BRAHAM, LONDON

PROJECT  
**One Braham**

LOCATION  
**London**

ARCHITECT  
**Wilkinson Eyre**

CONTRACTOR  
**McLaughlin & Harvey Limited**

## TECHNOLOGY

**Stick curtain wall system at ground floor with glass fins**  
Facciata piano terra stick con montanti in vetro

**Unitised structurally silicone glazed system with external vertical aluminium fins**  
Cellule vetrate a silicone strutturale con pinne verticali esterne in alluminio

**Glazed balustrades**  
Balaustre Vetrate

**High transparency atrium and projecting "soft corners" façade**  
Atrio e "soft corners" ad elevata trasparenza





# 100 LIVERPOOL STREET, LONDON

PROJECT  
100 Liverpool Street

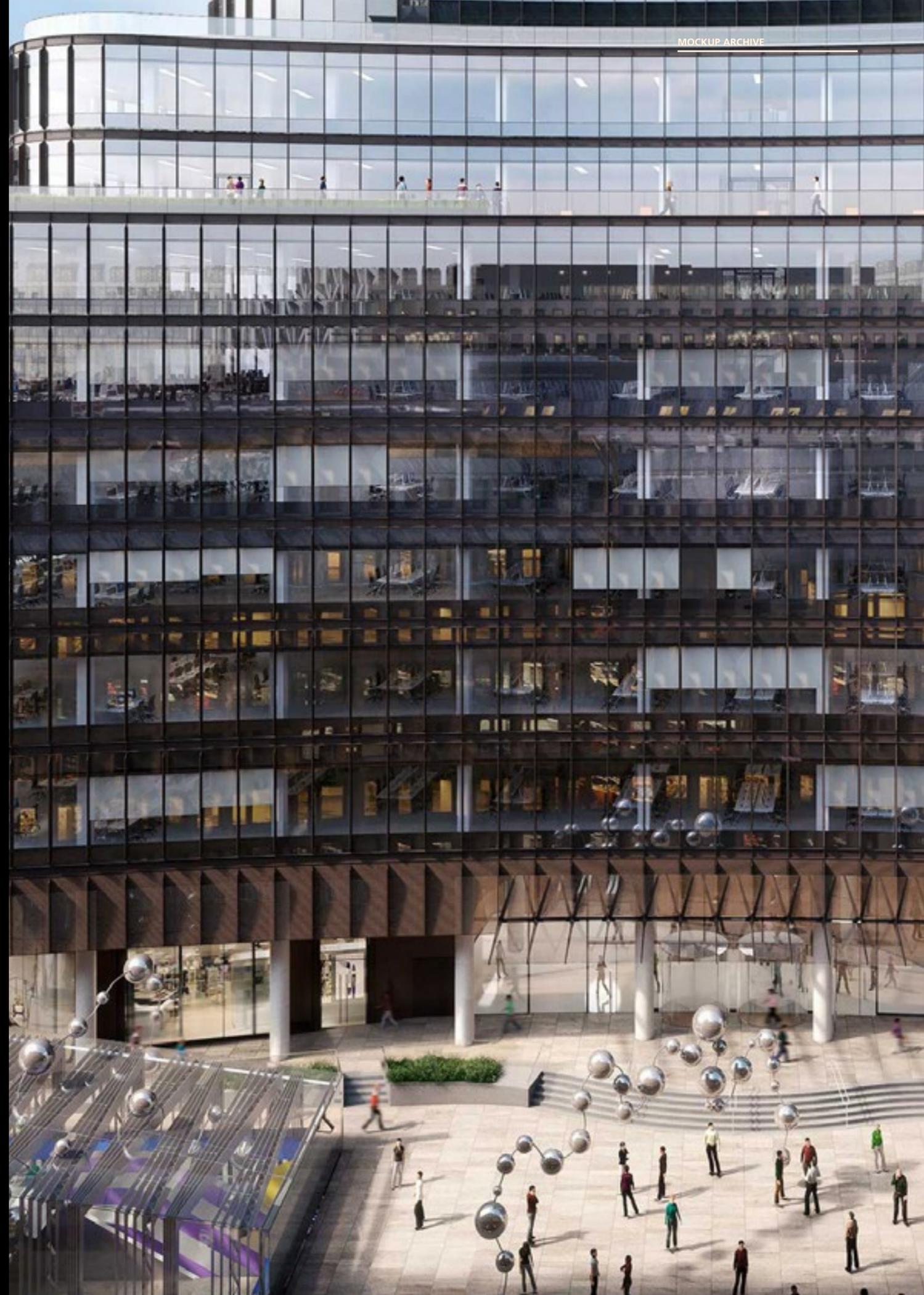
LOCATION  
London

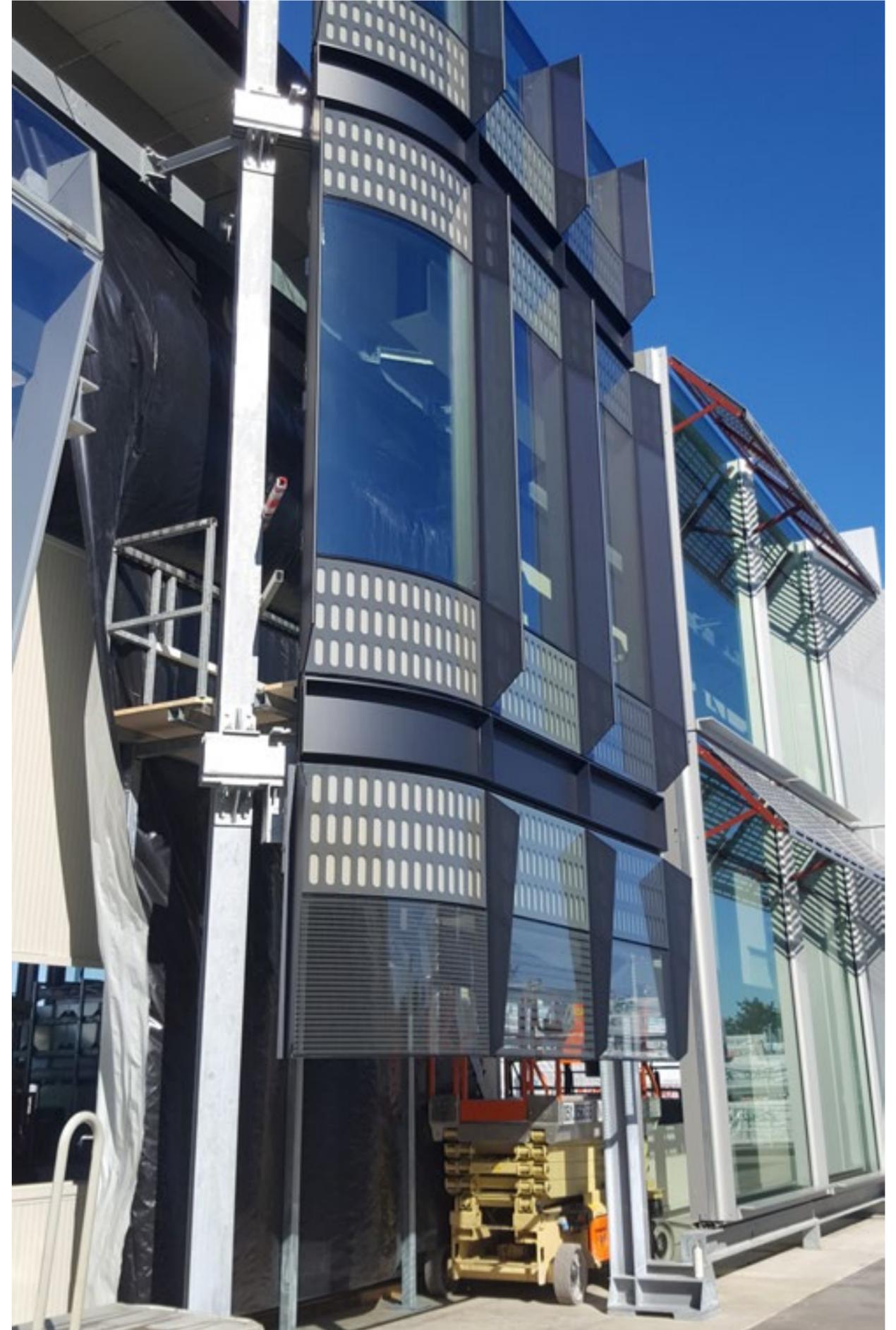
ARCHITECT  
Hopkins Architects

CONTRACTOR  
Sir Robert McAlpine

## TECHNOLOGY

Insulated double glazed unitised curtain walling with aluminium fins  
Cellule vetrate a silicone strutturale con pinna esterna in alluminio





# 40 TENTH AVENUE, NEW YORK

PROJECT  
40 Tenth Avenue - Solar Carve Tower

LOCATION  
New York

ARCHITECT  
Studio Gang

CONTRACTOR  
Caldwell Wingate Company LLC

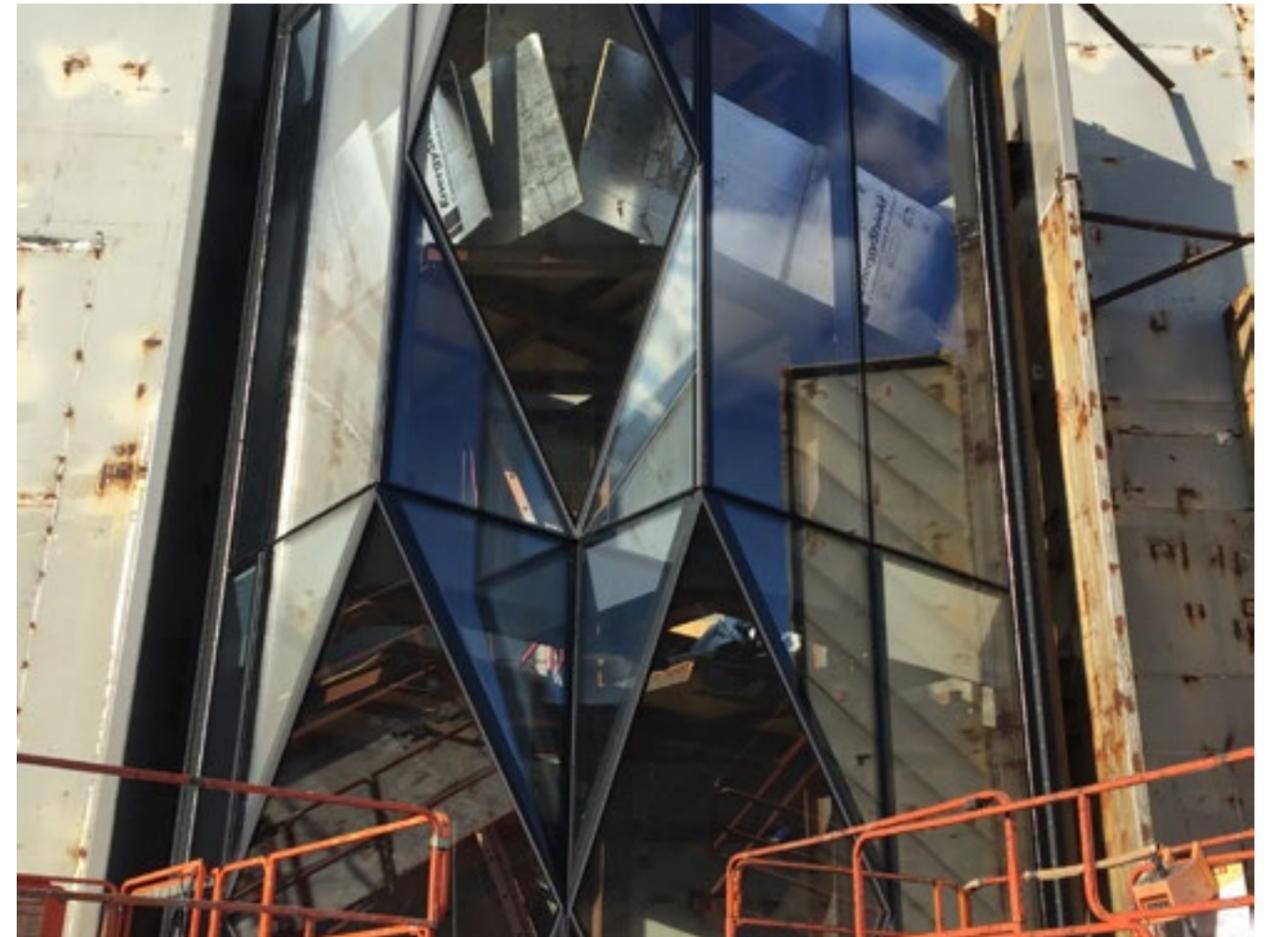
GLAZING CONTRACTOR  
Walsh and Glass Metal

## TECHNOLOGY

Spatial 3D unitized system (diamond-like façade)  
Cellule tridimensionali diamantate

Insulated double glazed unitized curtain walling  
Cellule vetrate a silicone strutturale





# ANGEL COURT, LONDON

PROJECT  
**Angel Court**

LOCATION  
**London**

ARCHITECT  
**Fletcher Priest Architects**

CONTRACTOR  
**Mace**

## TECHNOLOGY

**Perforated aluminium rainscreen panel system**  
Rivestimenti in lamiera microforata

**Vertical and horizontal glazed feature fins**  
Pale frangisole in vetro

**Toggle system with steel mullions**  
Vetrare con montanti in acciaio

**Unitised structural silicone glazed system**  
Cellule vetrate a silicone strutturale





# RIVERWALK, LONDON

PROJECT  
**Riverwalk**

LOCATION  
**London**

ARCHITECT  
**Stanton Williams**

CONTRACTOR  
**Sir Robert McAlpine**

## TECHNOLOGY

**Triple glazing unitised system and aluminium panels**  
Cellule con triplo vetro e rivestimenti opachi

**Lift and sliding doors and tilt and turn windows**  
Serramenti alza e scorri e ad anta vasistas

**Stone cladding, timber decking and rendered soffit**  
Rivestimenti in pietra, legno e controsoffitti





# 12 NEW FETTER LANE, LONDON

PROJECT  
12 New Fetter Lane

LOCATION  
London

ARCHITECT  
Doone Silver Kerr, Flanagan Lawrence

CONTRACTOR  
Mace

## TECHNOLOGY

### Unitised structurally silicone glazed system

Cellule vetrate a silicone strutturale

### Toggle glazed and opaque system

Facciate montanti e trasversi vetrate e con rivestimenti opachi

### Vertical Aluminium blades

Pale frangisole in alluminio

### Glazed rainscreen cladding

Rivestimenti in vetro smaltato





# PARK HOUSE, LONDON

PROJECT  
**Park House**

LOCATION  
**London**

ARCHITECT  
**Apt**

CONTRACTOR  
**Mace**

## TECHNOLOGY

### Unitised faceted (prolate spheroid) curtain walling to main body with feature fins

Facciate "piani Tipo", cellule semi-strutturali a ritegno meccanico

### Grid and panel system to first floor with structural glazed fins

Facciate "piano Terra" a montanti e traversi con fin strutturali in vetro

### Vertical aluminium brise-soleils

Elementi frangisole verticali in alluminio

### Glazed balustrades

Balaustre vetrate





# 80 FENCHURCH, LONDON

PROJECT  
**80 Fenchurch**

LOCATION  
**London**

ARCHITECT  
**TP Bennett**

CONTRACTOR  
**SKANSKA Construction Ltd**

## TECHNOLOGY

**Unitised structurally silicone glazed system**  
Cellule vetrate a silicone strutturale

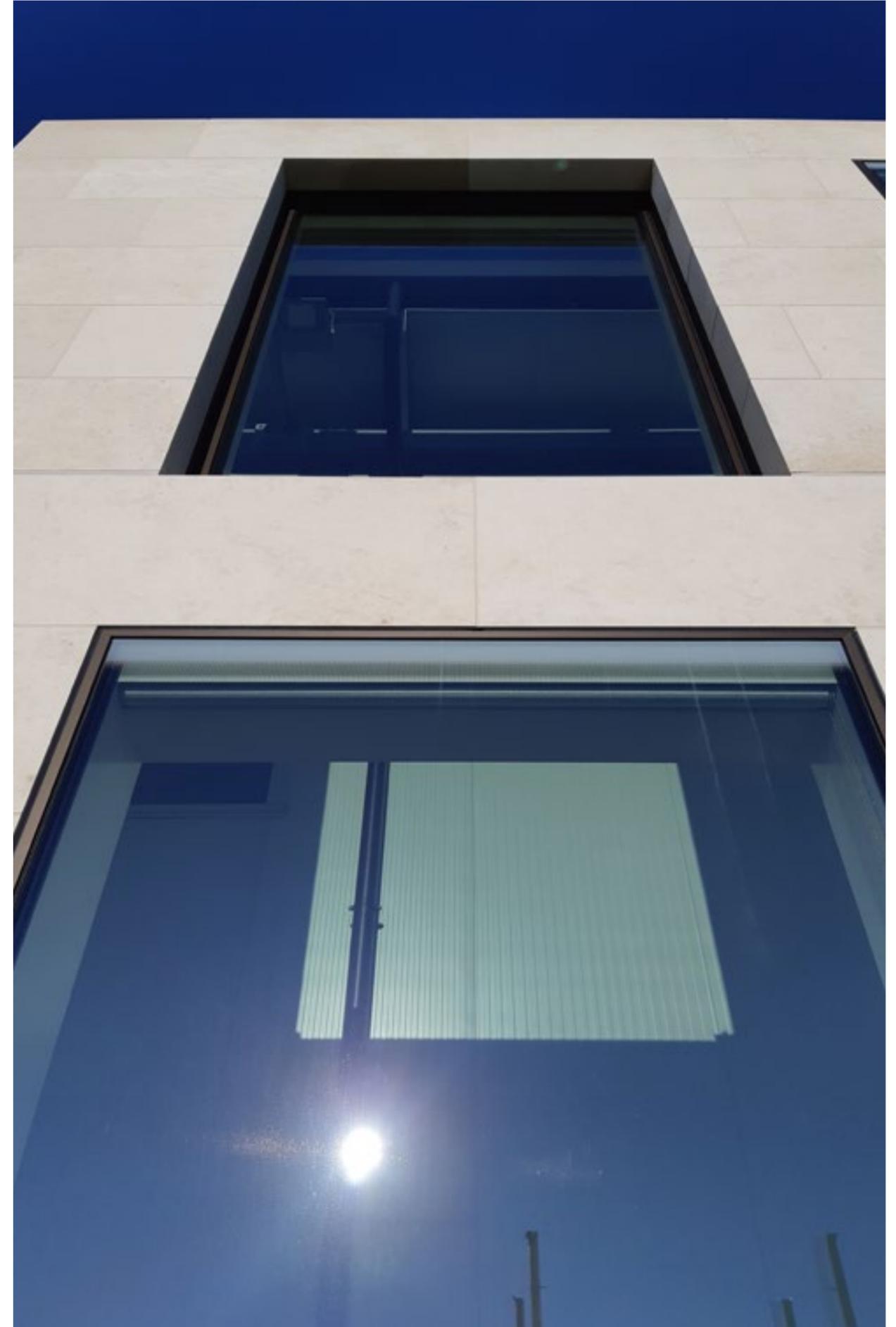
**Unitised structurally silicone glazed recessed and bow window**  
Cellule vetrate a silicone strutturale recessed e sporgenti

**Unitised system with stone**  
Cellule in pietra

**Glazed atrium roof**  
Copertura vetrata atrio

**Glazed stick system**  
Facciate a montanti e traversi





# 6 PANCRAS SQUARE, LONDON

PROJECT  
6 Pancras Square

LOCATION  
London

ARCHITECT  
Wilmotte Associates

CONTRACTOR  
Vinci Construction Ltd

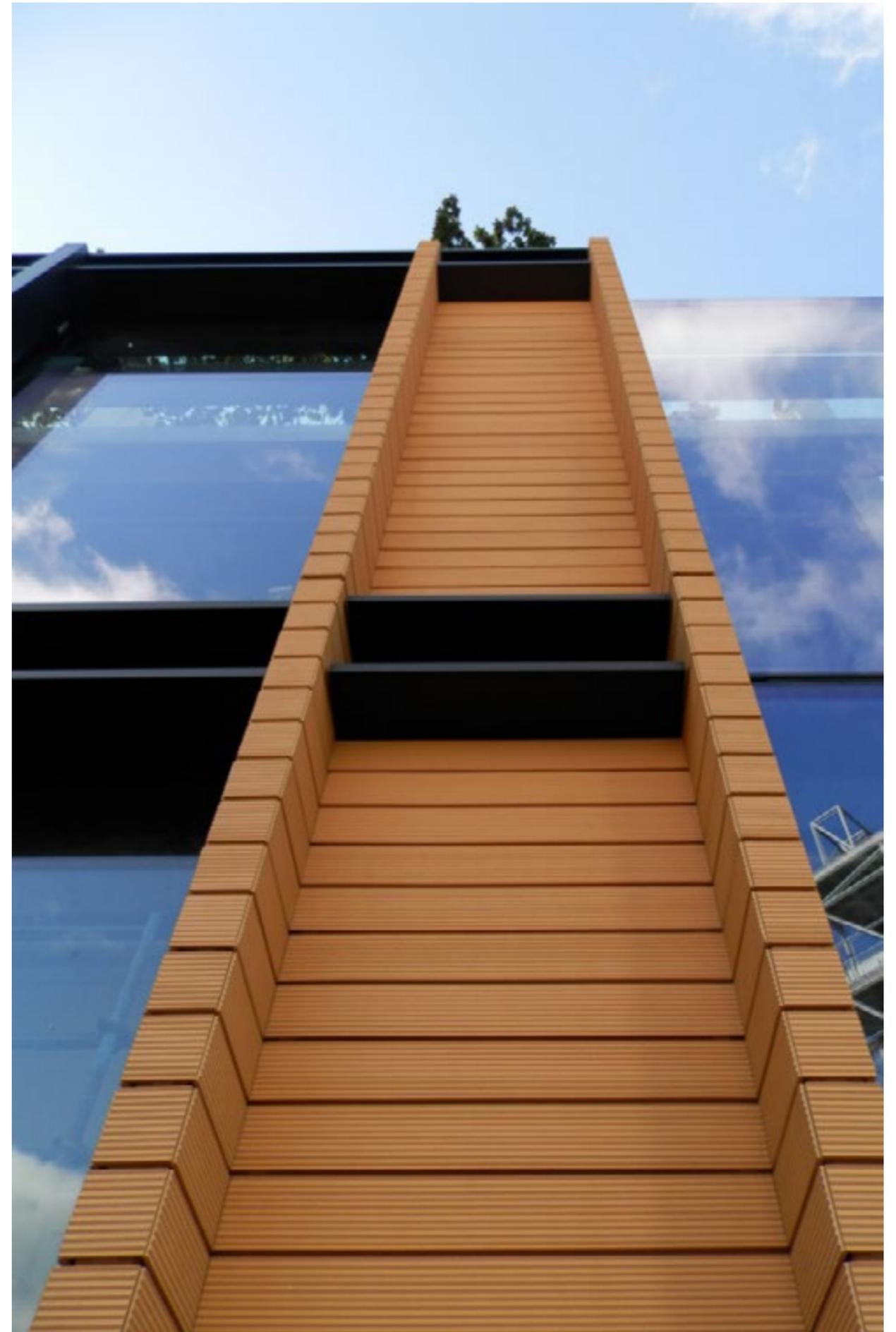
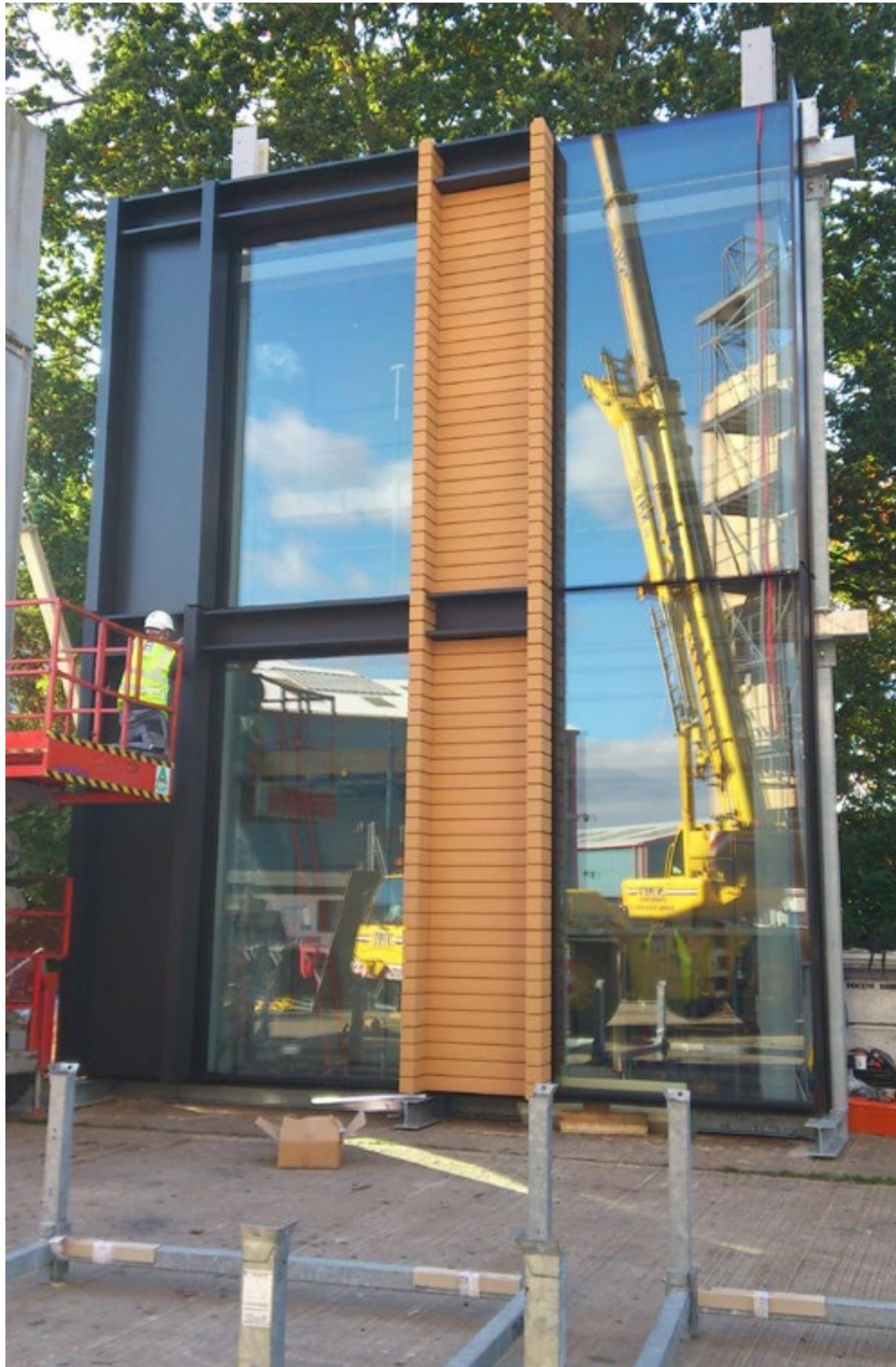
## TECHNOLOGY

**SSG unitised façades**  
Cellule strutturali

**Terracotta unitised façades with bead retention profile**  
Cellule con ritegno a fermavetro rivestite in terracotta

**Bear retentions unitised façades with aluminium vertical fins**  
Cellule strutturali a fermavetro con fin verticali in alluminio





# OXFORD BROOKES UNIVERSITY, OXFORD

PROJECT  
**Oxford Brookes University**

LOCATION  
**Oxford**

ARCHITECT  
**Design Engine Architects**

CONTRACTOR  
**Laing O' Rourke**

## TECHNOLOGY

**Fibre reinforced ventilated walls**  
Facciate ventilate in pannelli fibro-rinforzati

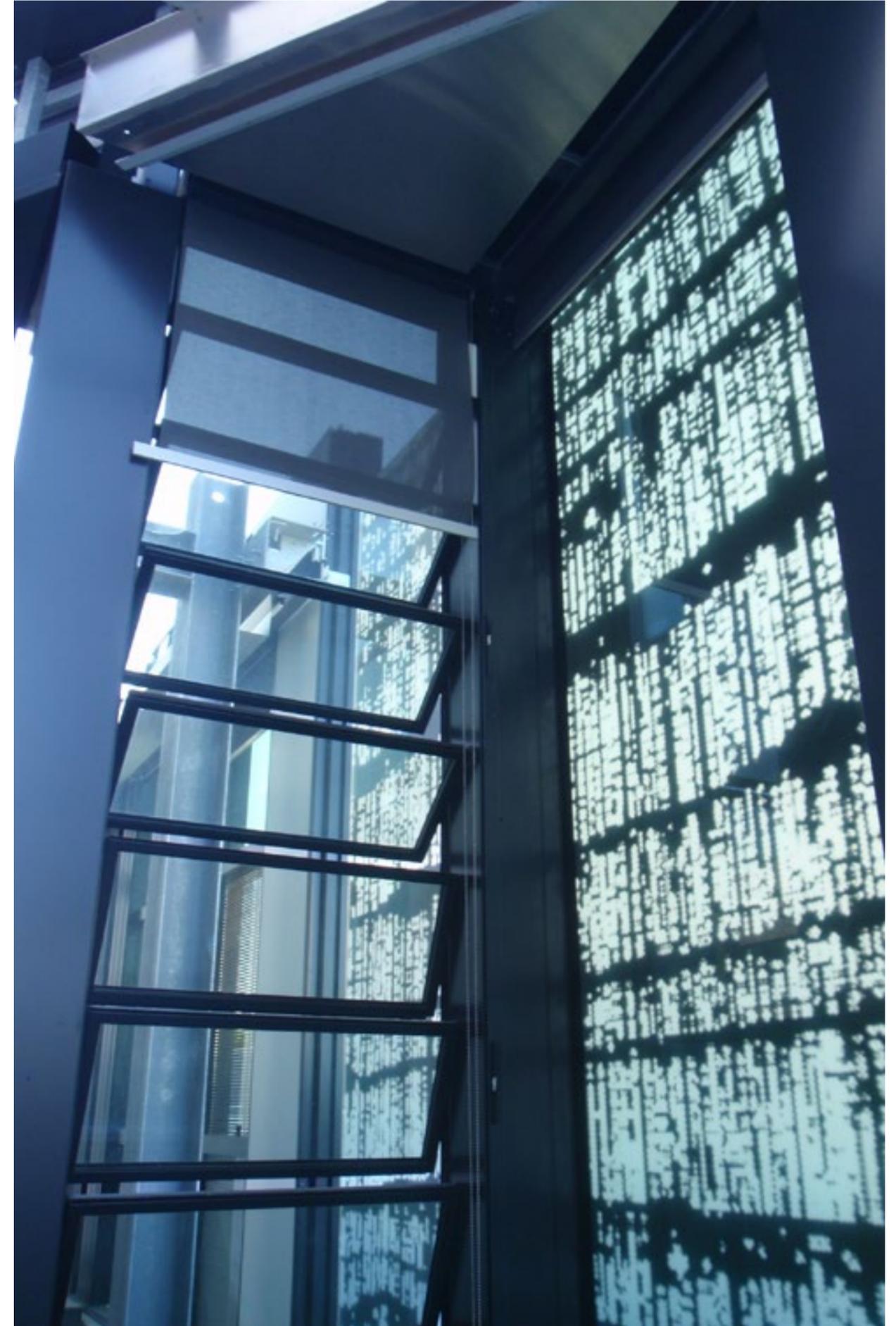
**SSG unitised system**  
Facciate a cellule a silicone strutturale

**Grid and panel system**  
Facciate montanti e traversi con moduli riportati

**Sunshading system consisting of patterned toughened glass and vertical aluminium brise soleil**  
Schermatura solare ottenuta mediante serigrafie grafiche su vetro ed integrazione di elementi architettonici complessi

**Glazed roof**  
Lucernai vetrati di ampie dimensioni





# NESTLÉ HEADQUARTERS, MILANO

PROJECT  
Nestlé Headquarters

LOCATION  
Milano

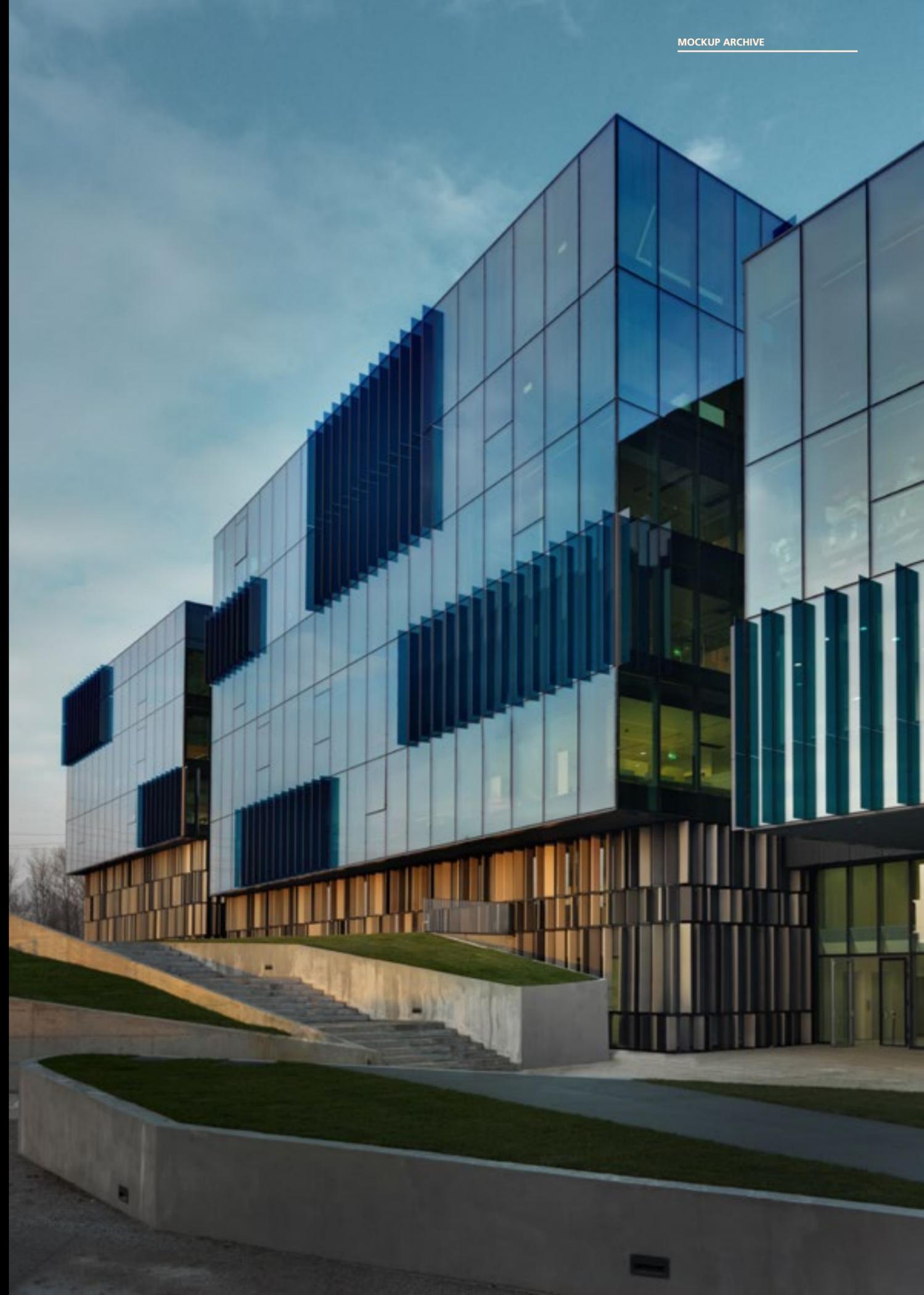
ARCHITECT  
Park Associati

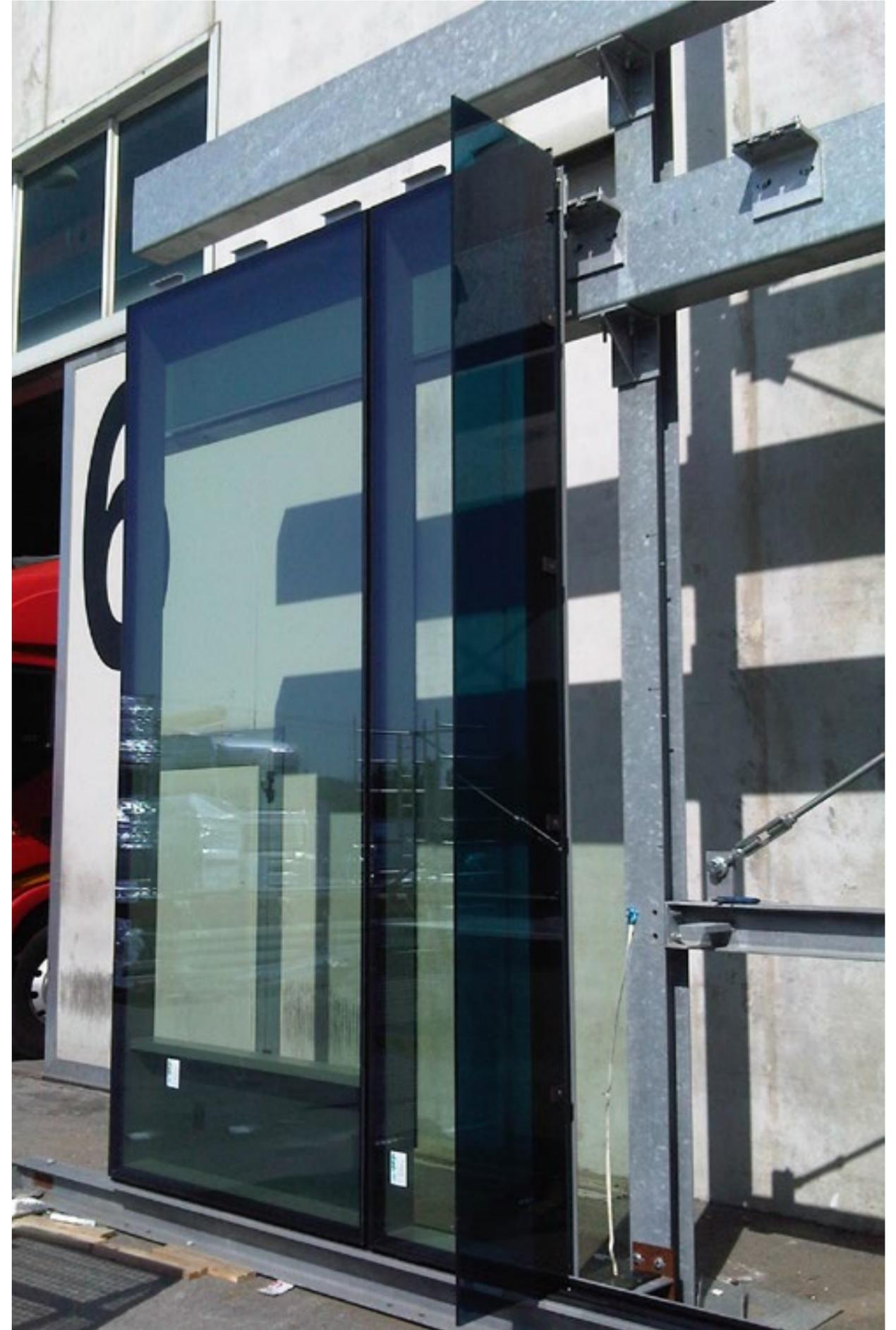
CONTRACTOR  
Milanofiori 2000

## TECHNOLOGY

**Unitised façade consisting of triple DGU and glass fins**  
Facciata a cellule con vetro doppia camera e pinne in vetro

**Groundfloor stick c.w. system Terracotta features**  
Rivestimento di facciata costituito da lamelle verticali in cotto





# BERNARD WEATHERILL HOUSE, CROYDON UK

PROJECT  
**Bernard Weatherill House**

LOCATION  
**Croydon, London**

ARCHITECT  
**EPR Architects**

CONTRACTOR  
**Sir Robert Mc Alpine**

## TECHNOLOGY

**Double skin envelope**  
Facciate a doppia pelle

**Typical elevation: SSG unitised system**  
Piani tipo: facciate a cellule a silicone strutturale

**Ground floor: grid and panel system**  
Piano Terra: facciate a montanti e traversi con moduli riportati

**Horizontal aluminium brise-soleil**  
Elementi frangisole in alluminio

**Glazed atrium roof**  
Copertura vetrata atrio interno





# MOOR PLACE- MOORGATE EXCHANGE, LONDON

PROJECT  
**Moor Place, Moorgate Exchange**

LOCATION  
**London**

ARCHITECT  
**HKR Architects**

CONTRACTOR  
**Skanska**

## TECHNOLOGY

### **SSG unitised system with external glazed fins**

Facciate "piani Tipo", cellule a silicone strutturale con pinne in vetro

### **Ground floor façades with grid and panel system**

Facciate "piano Terra" montanti e traversi con moduli riportati

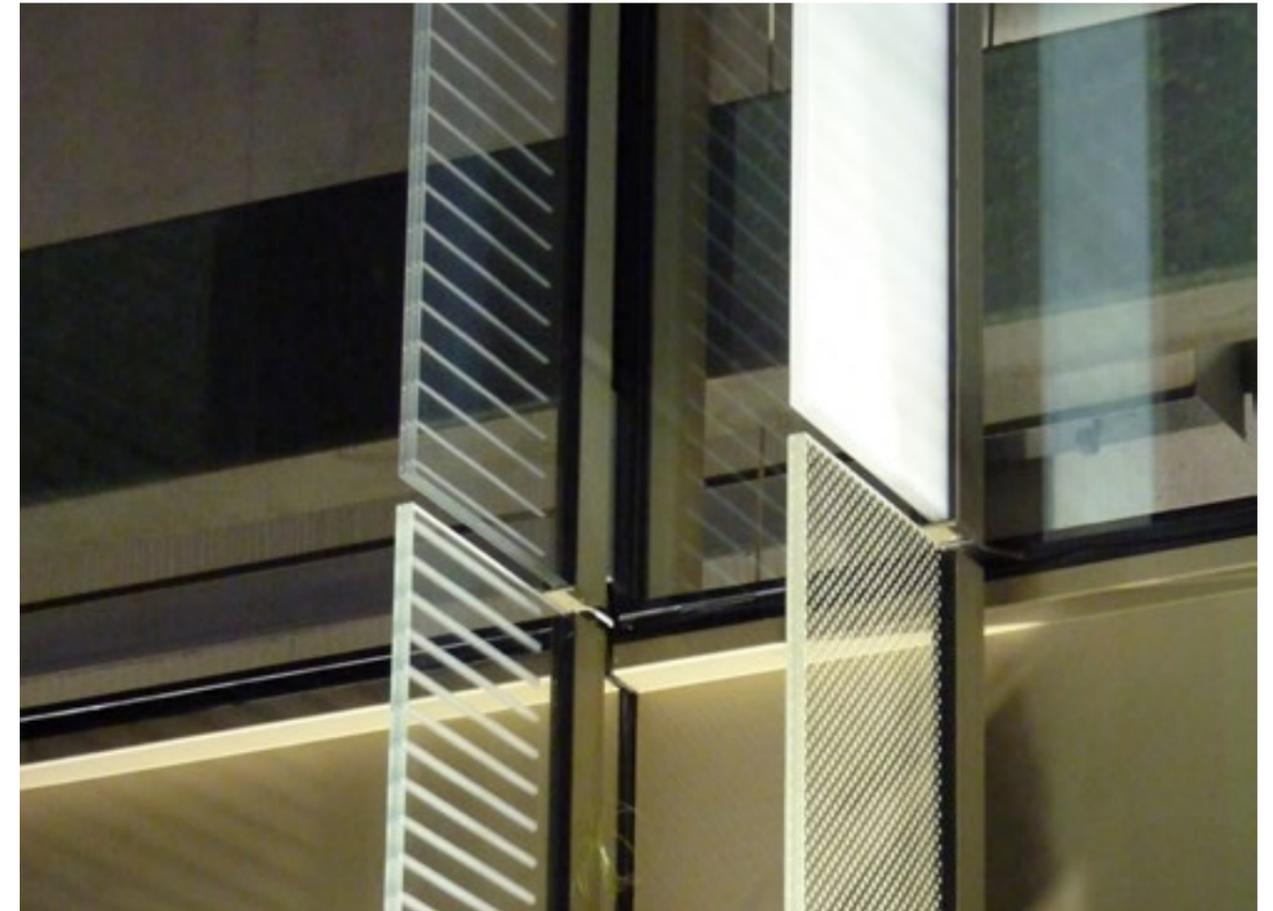
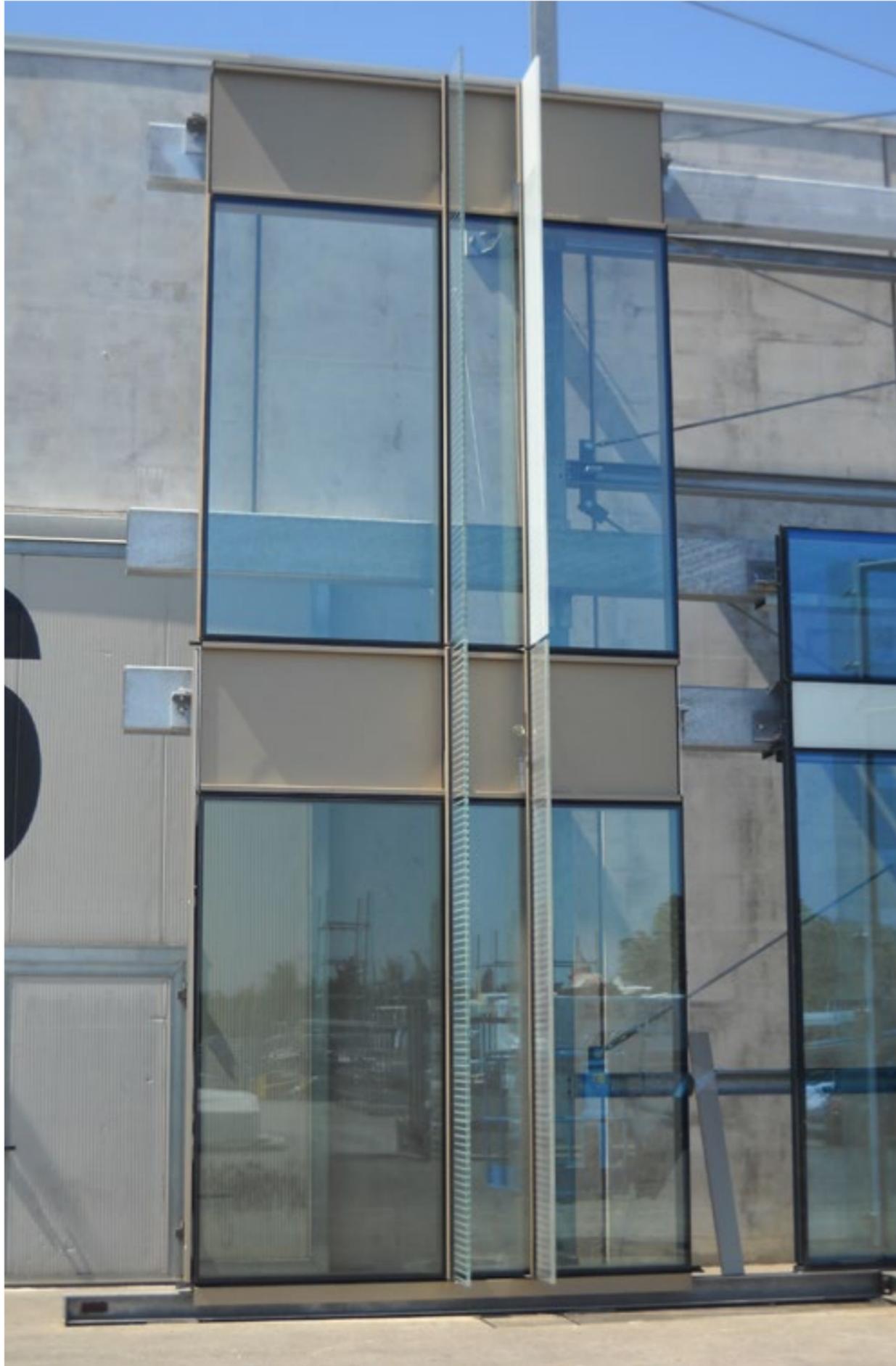
### **Horizontal aluminium brise-soleil**

Elementi frangisole in alluminio

### **Glazed atrium roof**

Copertura vetrata atrio interno





# MAST, BOLOGNA

PROJECT  
**MAST**

LOCATION  
**Bologna**

ARCHITECT  
**Labics**

CONTRACTOR  
**Coop. Cesi**

## TECHNOLOGY

### Stick curtain walling system with aluminium louvres

Facciata a montanti e traversi con frangisole esterni verticali in alluminio

### Stick curtain walling double skin envelope with fritted glazing on the external skin, vision and spandrel internal skin

Facciata montanti e traversi a doppia pelle con pelle esterna in vetro serigrafato

### Stick curtain walling double skin envelope with external timber mesh

Facciata a montanti e traversi a doppia pelle con ornati esterni in legno





# ONE SNOWHILL, BIRMINGHAM

PROJECT  
**One Snowhill**

LOCATION  
**Birmingham**

ARCHITECT  
**Sidell Gibson**

CONTRACTOR  
**Kier Build Ltd**

## TECHNOLOGY

**Unitised façades**  
Facciate a cellule

**Featuring elements**  
Elementi decorativi





# REGENT'S PLACE, LONDON

PROJECT  
**Regent's Place**

LOCATION  
**London**

ARCHITECT  
**Farrells Architects**

CONTRACTOR  
**Bovis Lend Lease Ltd.**

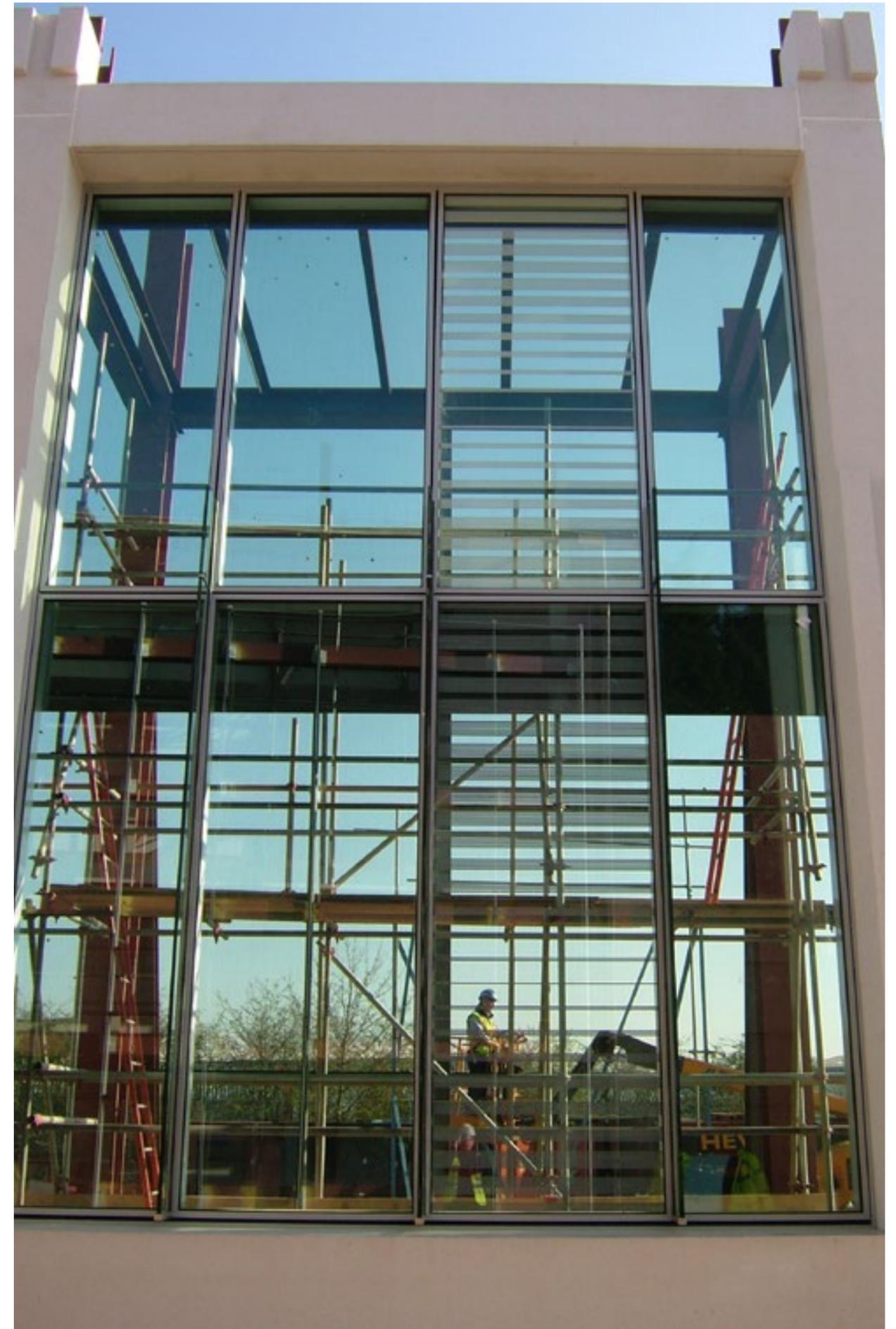
## TECHNOLOGY

**Unitised façades**  
Facciate a cellule

**Ventilated façades**  
Facciate ventilate

**Featuring elements**  
Elementi integrativi-decorativi





# EUROPARCO TOWER, ROMA

PROJECT  
**Europarco Tower**

LOCATION  
**Roma**

ARCHITECT  
**Studio Transit**

CONTRACTOR  
**Parsitalia GC Srl**

## TECHNOLOGY

### Structural silicone unitized curtain walling

Facciate "piani tipo" a cellule strutturali

### Ground floor stick c.w. system

Facciate "piano terra" a montanti e traversi

### "Eyelid" shaped aluminium rainscreen cladding

Rivestimento "copertura palpebra" in lamiera di alluminio

### Aluminium vertical brise soleil

Elementi frangisole verticali in alluminio

### Spandrel units with external featuring profiles

Cellule spandrel con profilo decorativo esterno





# CHESTER ROAD, MANCHESTER

PROJECT  
**Chester Road, Manchester**

LOCATION  
**Manchester**

ARCHITECT  
**OMI Architects**

CONTRACTOR  
**Renaker Build Ltd**

## TECHNOLOGY

### Glazed unitised system with top hung, side hung and sliding opening vents

Cellule vetrate a fermavetro con aperture a sporgere, anta e scorrevoli

### Opaque unitised system with anodised aluminium sheet and anodised aluminium fins

Cellule cieche a fermavetro con rivestimento in lamiera di alluminio anodizzato e fins in alluminio anodizzato

### Opaque unitised system with stone panels, columns and beams

Cellule cieche a fermavetro con rivestimento e cornici perimetrali in pietra naturale





# MERCEDES BENZ WORLD, WEYBRIDGE UK

PROJECT  
**Mercedes Benz World**

LOCATION  
**Weybridge UK**

ARCHITECT  
**Aukett Fitzroy Robinson**

CONTRACTOR  
**Warings Contractor Ltd.**

## TECHNOLOGY

**High Performance Double Glazing Units with external pressure caps system, structural bay glazing and main entrances**  
Vetri Camera high performance applicati con sistema a pressori esterni e moduli strutturali per apribili e main entrance

**Brand Gallery aluminium panels**  
Elementi in alluminio





# ETNAPOLIS SHOPPING CENTER, CATANIA

PROJECT  
Etnapolis Shopping Center

LOCATION  
Catania

ARCHITECT  
Massimiliano Fuksas

CONTRACTOR  
Impresa Maltauro Spa

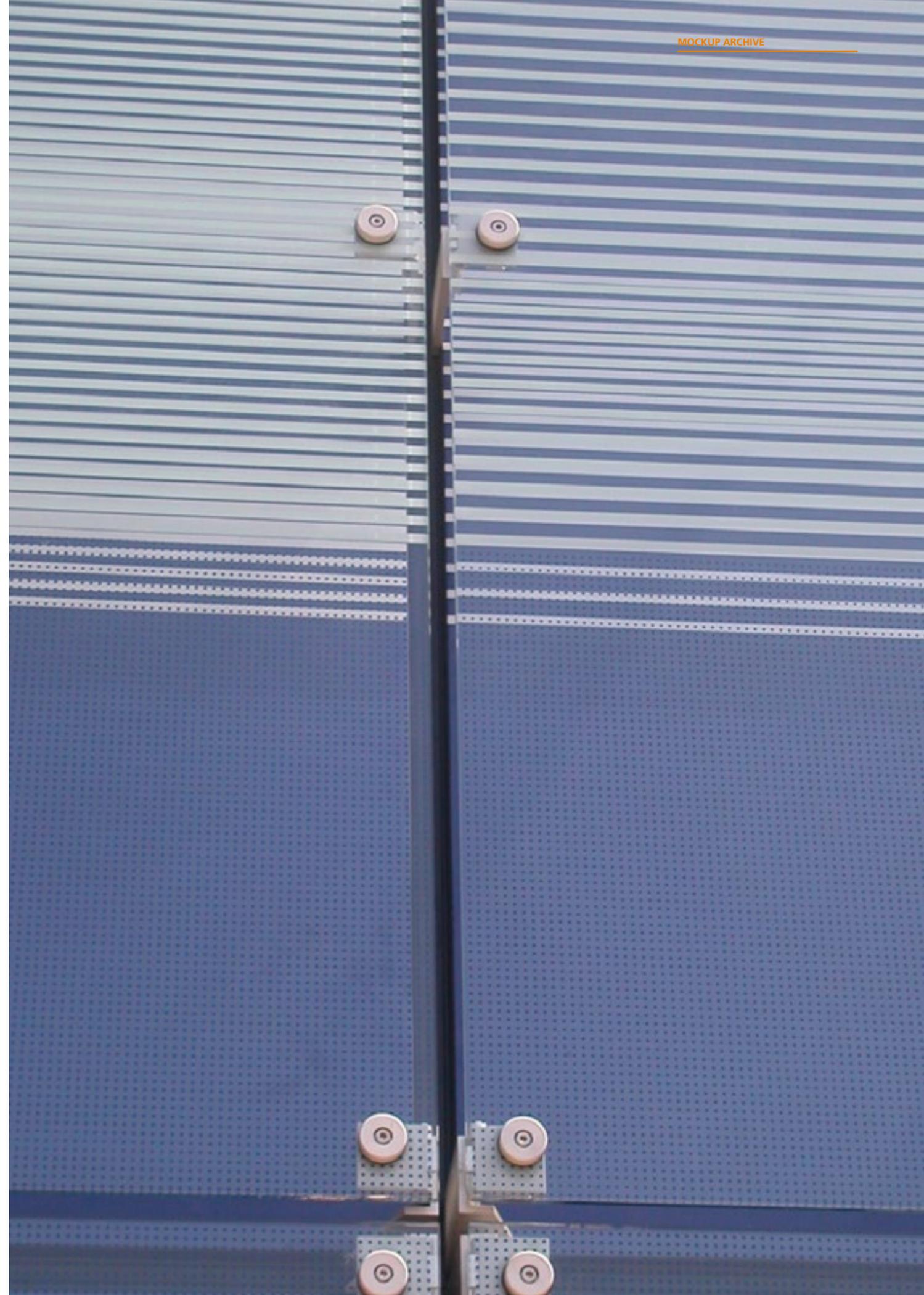
## TECHNOLOGY

**Double skin façades with screen-printed glass**  
Facciate continue a doppia pelle serigrafate

**VISIA structural silicone curtain walling**  
Facciate continue strutturali VISIA

**Roof-light glazing, balustrades**  
Lucernai e parapetti





# 107 CHEAPSIDE, LONDON

PROJECT  
107 Cheapside

LOCATION  
London

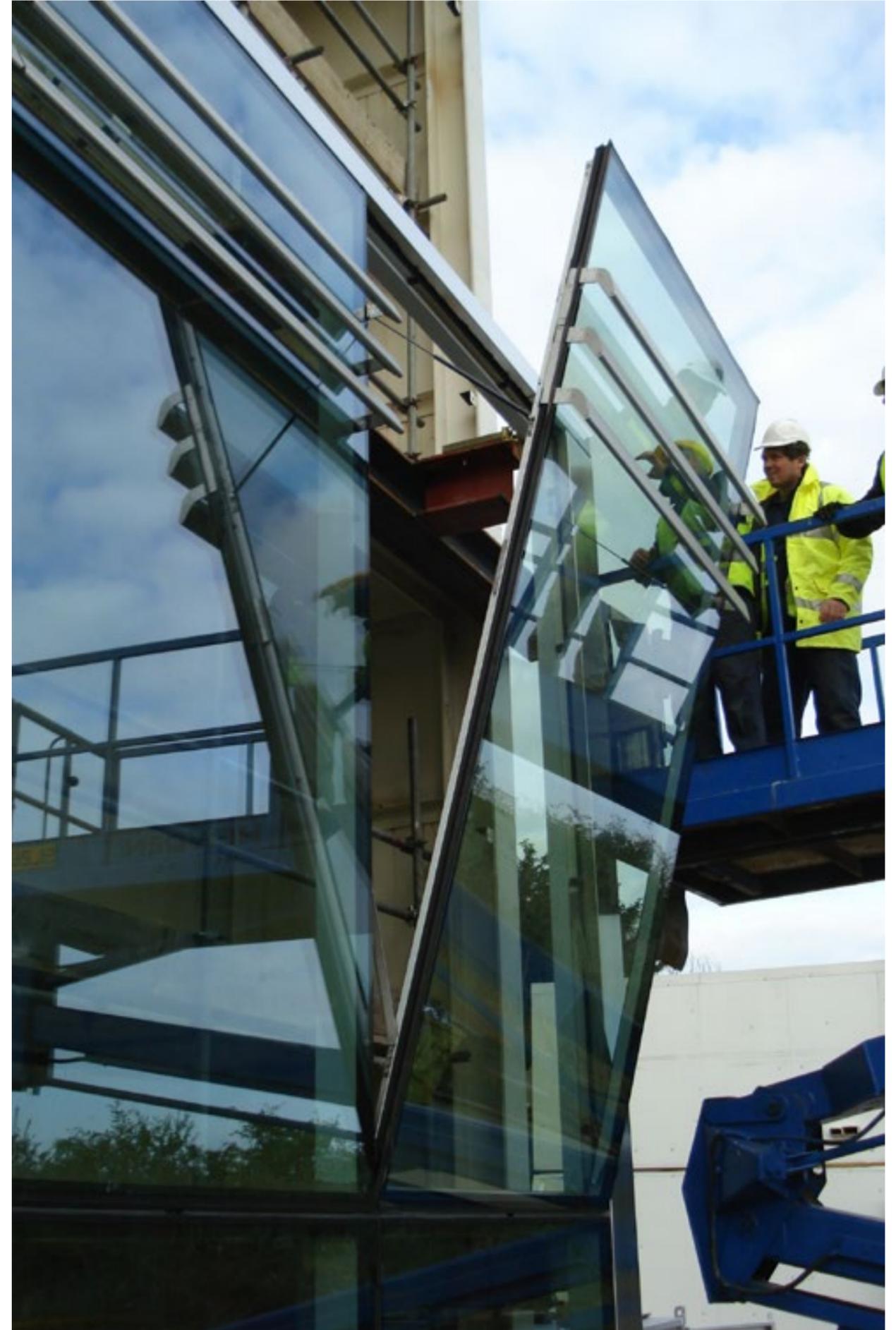
ARCHITECT  
John Robertson Architects

CONTRACTOR  
ISG Interior/Exterior

## TECHNOLOGY

Unitised façades  
Facciate a cellule





# 70 BROMPTON ROAD, LONDÓN

PROJECT  
70 Brompton Road

LOCATION  
London

ARCHITECT  
Zeidler Partnership Architects

## TECHNOLOGY

Metal framed unitised "strongback" system incorporating Portland stone panels and double glazed units.  
Facciata a cellule con vetro e pietra Portland

Stainless steel feature goalposts at groundfloor bays. Traslucent glass brise soleil  
Frangisole in vetro serigrafato





# CENTRO DIREZIONALE BANCA LOMBARDA, BRESCIA

PROJECT  
Centro Direzionale Banca Lombarda

LOCATION  
Brescia

ARCHITECT  
Gregotti Associati

CONTRACTOR  
BIM SPA

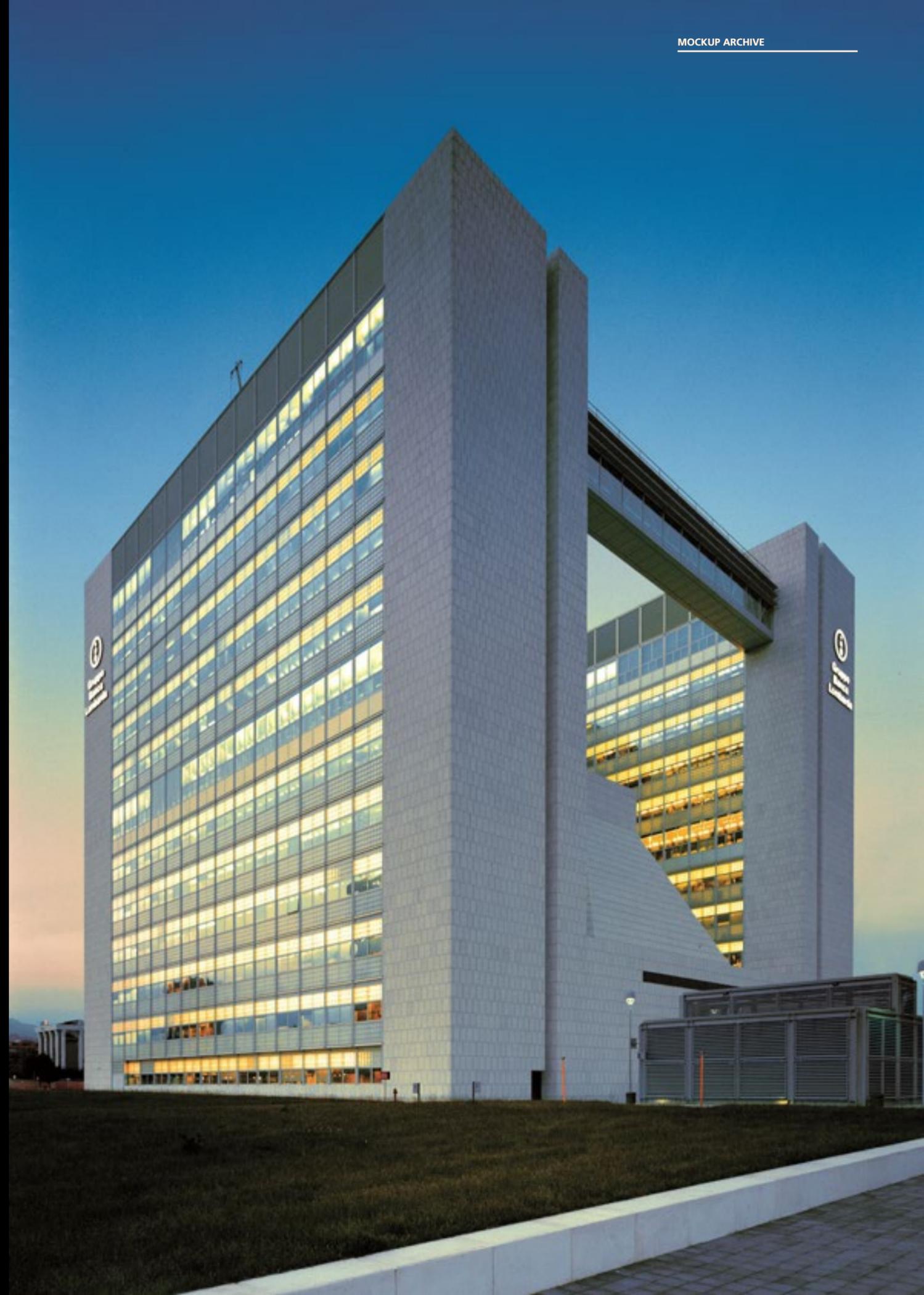
## TECHNOLOGY

**Double skin façade**  
Facciate continue a doppia pelle

**Stick curtain walling system**  
Facciate tradizionali montanti e traversi

**Glass block façade**  
Cellule in vetrocemento

**Natural stone ventilated façade**  
Facciate ventilate in pietra





# CENTRO ORAFO "IL TARI", CASERTA

PROJECT  
Centro Orafo "Il Tari"

LOCATION  
Caserta

ARCHITECT  
Paolo Valeriani, Pasquale Matronola

CONTRACTOR  
IL TARI' SOC. CONS. PER AZIONI

## TECHNOLOGY

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VISIA® curtain walling, roofing, stone cladding, windows and doors  
Facciata continua strutturale VISIA, serramenti vari, coperture, rivestimenti in pietra.





# 30 GRESHAM STREET, LONDON

PROJECT  
30 Gresham Street

LOCATION  
London

ARCHITECT  
Sidell Gibson Architects

CONTRACTOR  
Sir Robert Mc Alpine Ltd

## TECHNOLOGY

**Flat and curved unitised curtain walling**  
Facciate a cellule dritte e curve

**Flat and curved punched windows**  
Serramenti aggettanti prefabbricati dritti e curvi

**Stone fins**  
Pinne in pietra

**Aluminium brise-soleil**  
Frangisole in alluminio

**Bolted glazed façades**  
Vetrare a fissaggio puntuale





# POLO DI ECCELLENZA, MILANO

PROJECT  
**Polo di Eccellenza**

LOCATION  
**Desio, Milano**

ARCHITECT  
**Progetto CMR - Arch. Massimo Roj**

CONTRACTOR  
**Addamiano Costruzioni Spa**

## TECHNOLOGY

**Unitised façade**  
Facciate continue a cellule

**Fiber reinforced concrete**  
Rivestimenti in fibro-cemento

**Perforated sheets**  
Rivestimenti in lamiera forata

**Aluminium bris soleils and glazed balustrades**  
Frangisole in alluminio e parapetti vetrati







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