

soladrilho®

 **EH Smith**  
Architectural Solutions



# Terracotta Facades

Custom profiles, textures and  
colours in rainscreen cladding



THE ONLY  
TIME IT IS  
YOUR  
IMAGINA

Sports Palace Juegos  
del Mediterráneo  
Tarragona, Spain

V

UNYA

ATION

# Rainscreen cladding

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**EH Smith are official UK Partners for the distribution of Soladrilho®.**

Founded in Portugal in 1980, the family owned business specialises in bespoke profile ceramic rainscreen facades. Their state of the art production facilities allow for a huge range of customisation both in profiles and glazes.

With a track record in landmark projects supplied all over the world and stringent quality control you can specify with confidence.

**Taxi House**  
London, UK

Product: Bespoke Glazed Tiles  
Architect: AHMM





### CWCT Tested

CWCT Weathertightness test including 60 year cyclical test  
Report no N950-24-18712 Rev 01



### Aesthetic Appeal

Terracotta has a rich, warm colour and unique textures that can enhance the visual appeal of a building



### Durability

Terracotta is resistant to weathering, UV rays, and pollution, making it a long-lasting material



### Thermal Performance

It has good thermal mass properties, helping to regulate indoor temperatures and improve energy efficiency



### Sustainability

Made from natural clay, terracotta is often eco-friendly, and many products are recyclable.



### Versatility

It can be moulded into various shapes and sizes, allowing for creative architectural designs



### Low Maintenance

Terracotta surfaces require minimal upkeep compared to other materials



### Noise Reduction

The air gap can also help reduce sound transmission, contributing to a quieter indoor environment



### Moisture Management

It creates a ventilated space that helps manage moisture, preventing water from penetrating the building structure



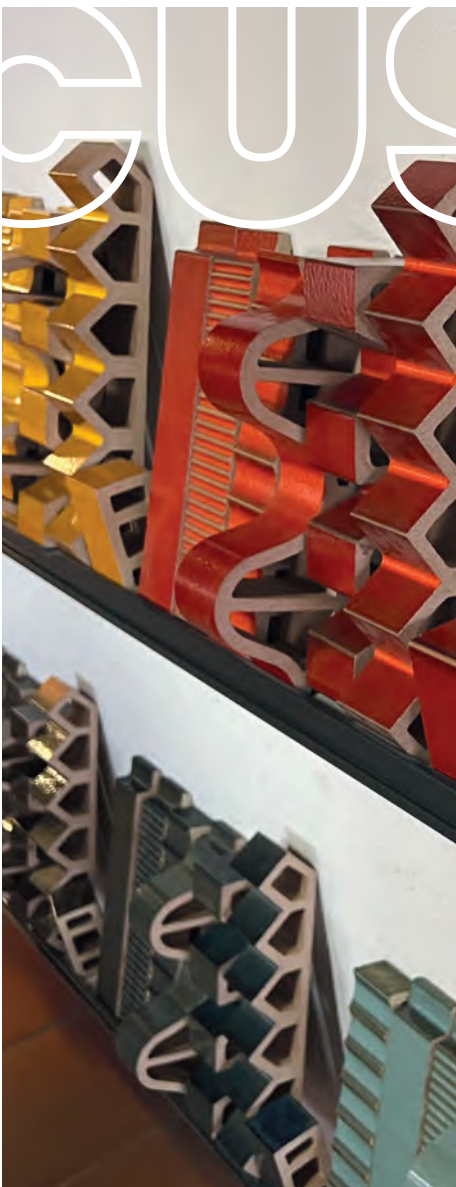
### Natural Ventilation

Louvers allow for controlled airflow, improving indoor air quality while reducing the need for mechanical ventilation



### Sun Protection

They can effectively shade windows from direct sunlight, helping to reduce heat gain and glare, which can lead to lower energy costs.



# Custom profiles

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If none of the many available custom profiles are suitable for your design, let your imagination run wild and design your own.

Custom shapes examples



Up to 100mm  
thickness

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Up to 1.5m  
length

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600mm  
width

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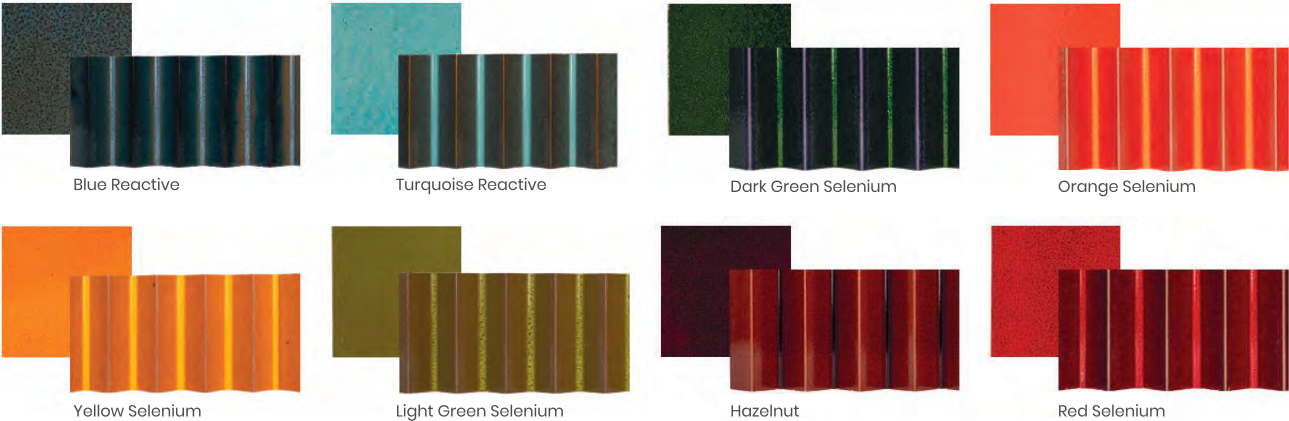


# Custom glazed

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With thousands of standard and non-standard glazes to choose from, your options are extensive. You can even create your own custom colours and finishes, making the possibilities truly unlimited.

## Custom glazed examples



## Metallic colours

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# Standard colours

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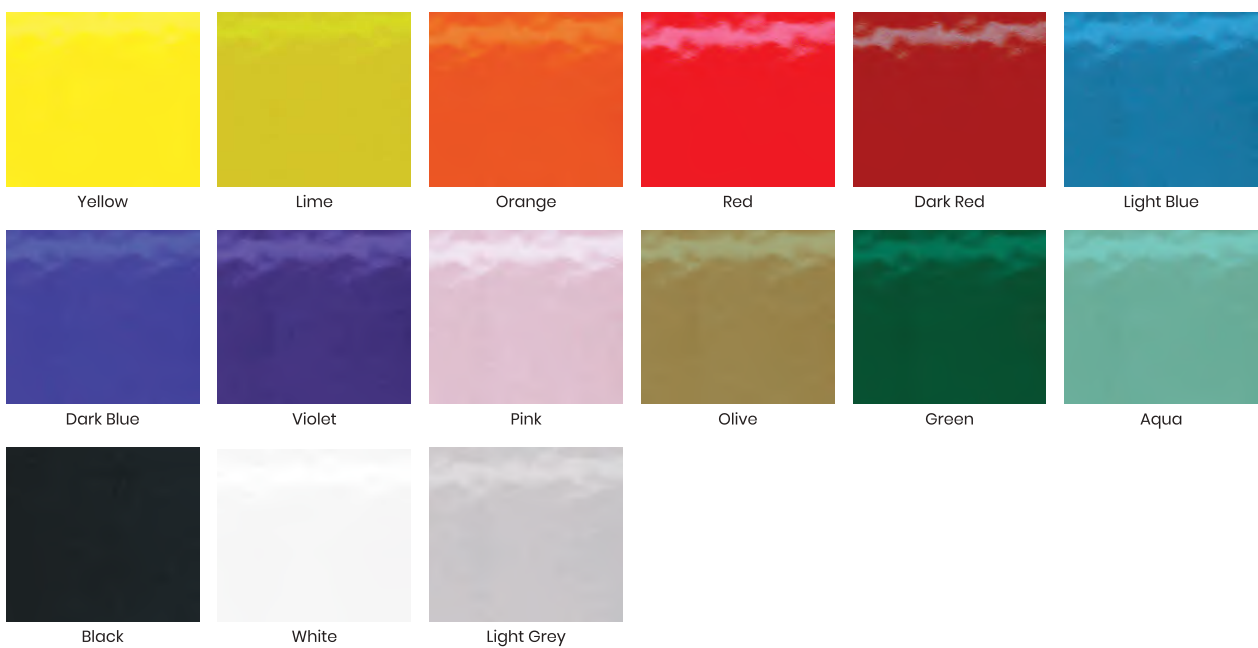
## Through body colours



# Glazed colours

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## Available in matt and glossy finish



## Standard dimensions

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Module Height	Module Length	Module Thickness	Weight / m <sup>2</sup>
150mm	300 to 1500mm	30mm	~46 kg / m <sup>2</sup>
200mm			
250mm			
300mm			
350mm			
400mm			
450mm			
500mm			
550mm			
600mm			

Other dimensions available upon consultation and prior project study.

## Standard shapes

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Standard

Ridged

Grooved

## Standard textures

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Smooth

Brushed

Sanded

Scratched

Combed

# Standard sizes

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All sizes and profiles are available in all glazed and unglazed colours



**Carlos III University**  
Madrid, Spain

# 10 standard heights

150, 200, 250, 300, 350, 400, 450, 500, 550, 600mm

# 1500 mm max. length

Other dimensions available upon consultation

## Glazed equivalence (on request)



Glazed



Engobe

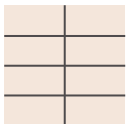
## Durable and maintenance-free

## Fire resistant

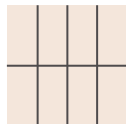
# 20 or 30 mm thickness

Face LT or Face TR variants

## Modular installation



Horizontal



Vertical

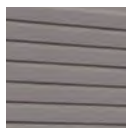
# 17 standard body colours



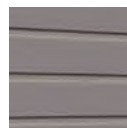
# 3 standard profiles



Standard



Ridged



Grooved

# 5 standard textures



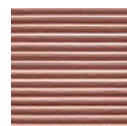
Smooth



Brushed



Scratched



Combed



Sanded

# Terracotta battens

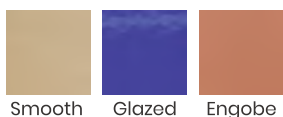
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**St Paul's School**  
London, UK

# Long Length Battens

## 3 textures



## 17 standard body colours



## 1500 mm max. length

FACE Louver AT



FACE Louver ZD 10XL



FACE Louver SM 15XL



FACE Louver ZD 15XL



FACE Louver SM 20XL



Product	Section Dimension	Length	Number of Cavity	Cavity Section	Weight/ml
AT	50 x 50mm	300 to 1500mm	1	30 x 30mm	3,3 kg/ml
ZD 10XL	100 x 50mm	300 to 1500mm	1	30 x 30mm	6,5 kg/ml
SM 15XL	150 x 50mm	300 to 1500mm	2	30 x 30mm	9,8 kg/ml
ZD 15XL	150 x 51mm	300 to 1500mm	1	30 x 30mm	7,2 kg/ml
ZD 20XL	200 x 51mm	300 to 1500mm	2	30 x 30mm	10,5 kg/ml

# CASE STUDY

**St Paul's School**  
London, UK



Architect: Hawkins/Brown

**Old Paradise Street**  
London, UK

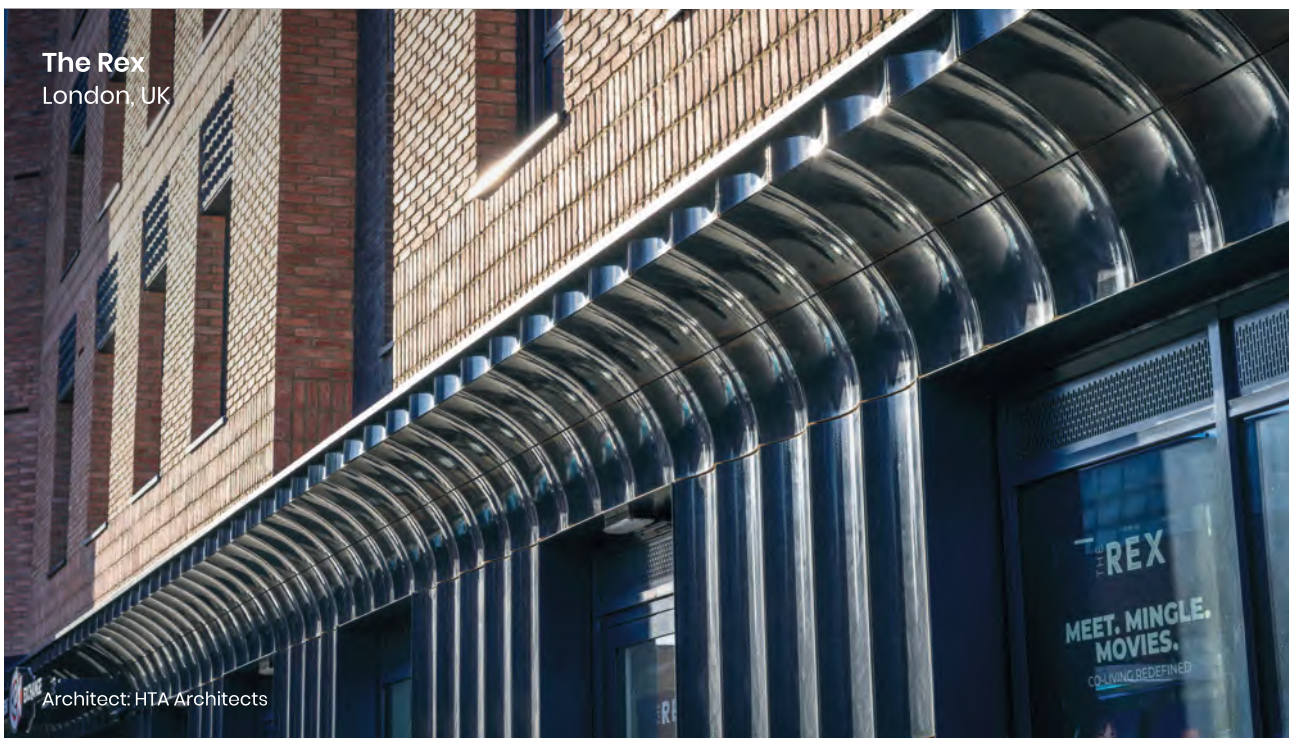


Architect: Feilden Clegg Bradley Studios

**City of Football**  
Lisbon, Portugal



# DIES



# CREATE SOMETHING UNIQUE

We know what it takes to make great buildings materialise. From our locations around the country and our award winning Design Centre in Clerkenwell, our specification teams are experts at matching the materials with the vision.



# NOW OPEN



## Birmingham Design Centre

As part of our ongoing commitment to innovation, sustainability and adding value to the supply chain, we are pleased to announce the opening of a new facility in the heart of Birmingham.

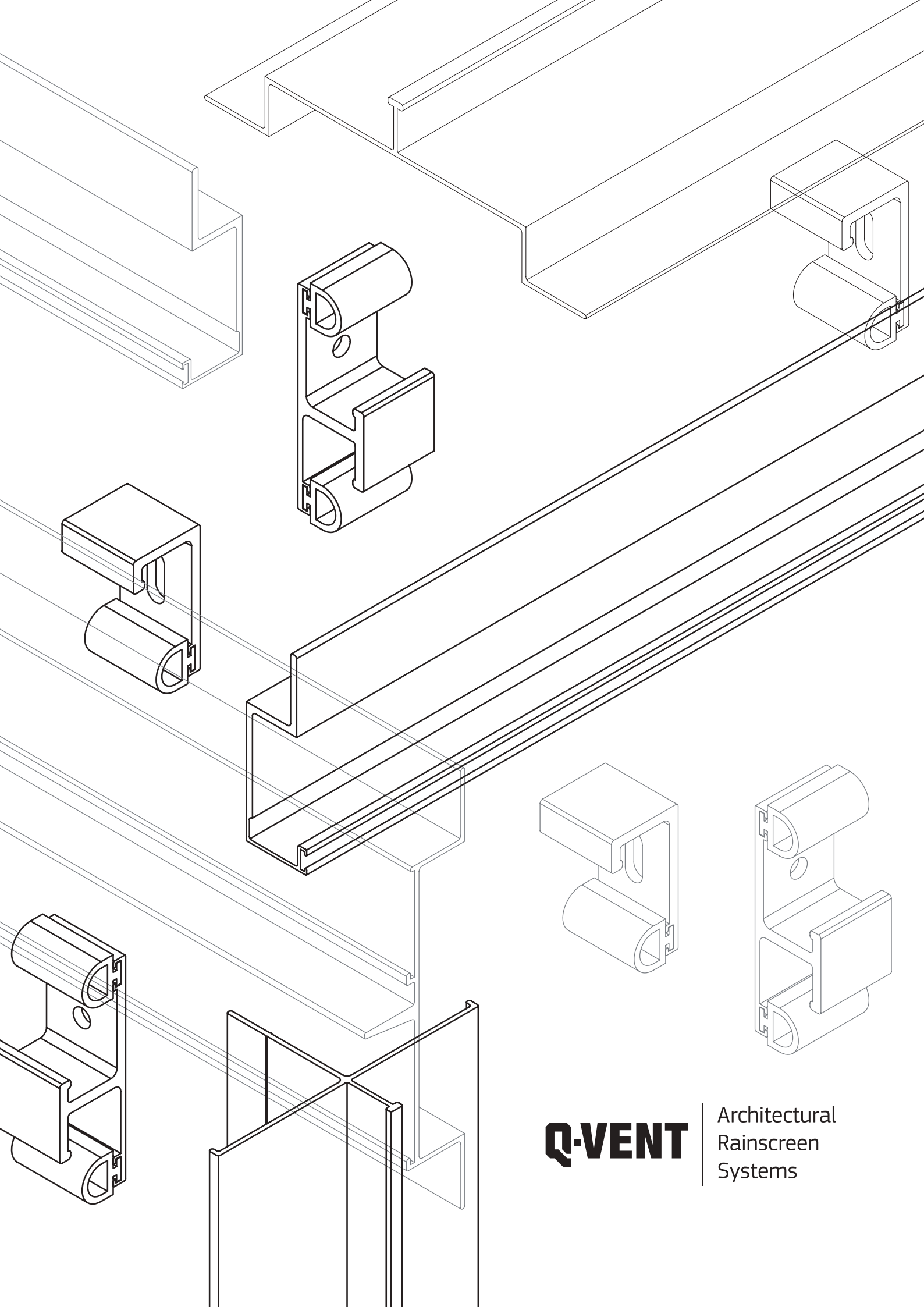
The new Design Centre in Digbeth will build on the success of our Clerkenwell Design Centre to offer a place where clients, architects, contractors, consultants and manufacturers can collaborate to meet the challenges the sector faces.



# Q-Vent

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Fixing Solutions



**Q-VENT**

Architectural  
Rainscreen  
Systems

## QV7.1

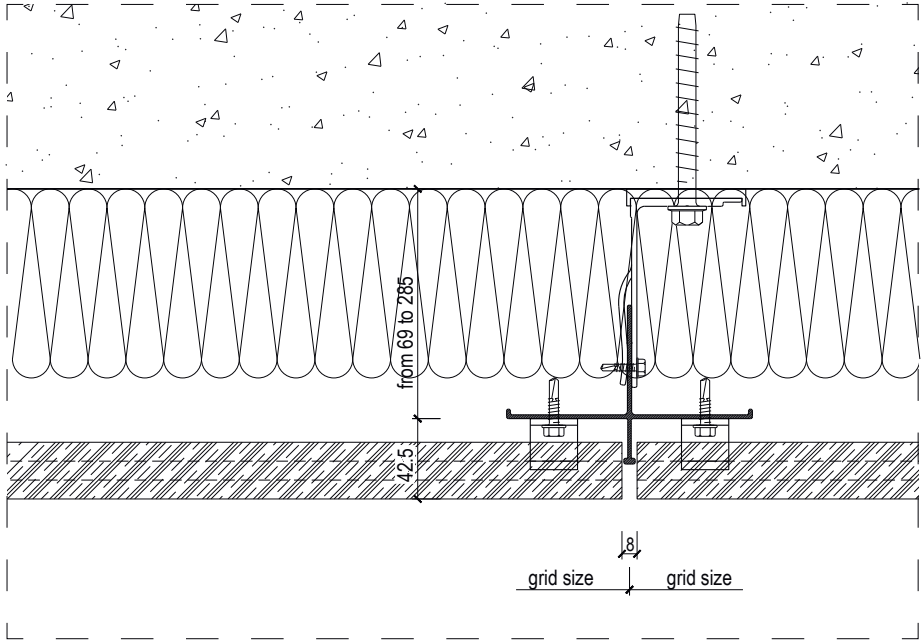
# HORIZONTAL TERRACOTTA PANELS WITH CLIPS AND JOINT PROFILE



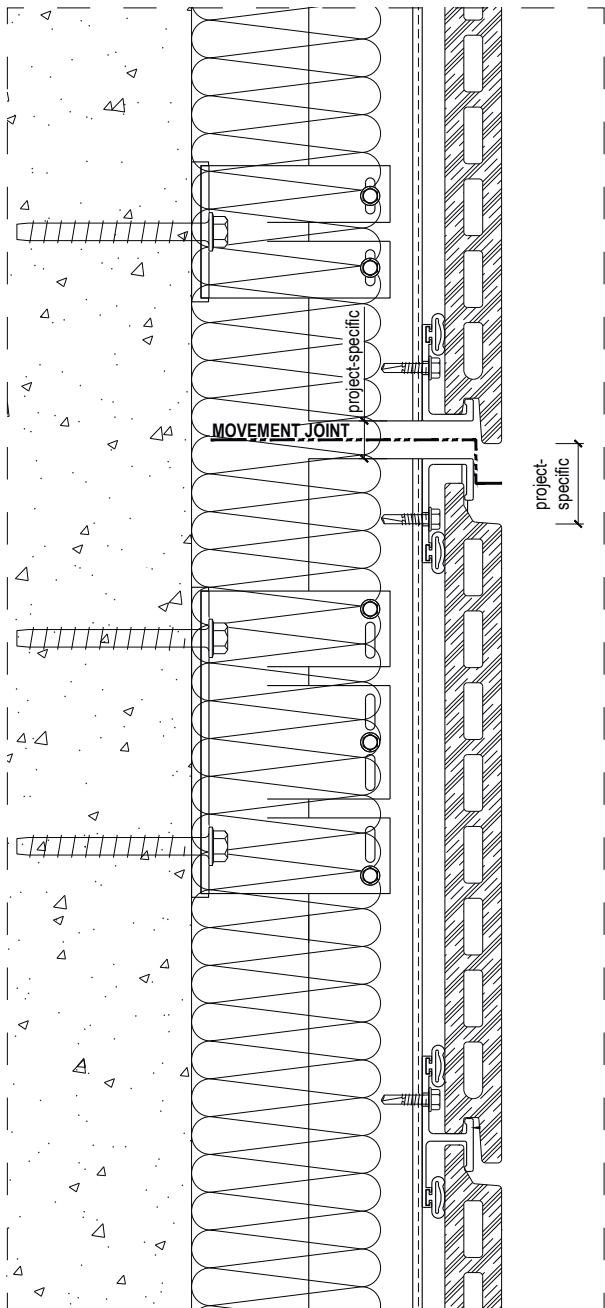
1. Wall Bracket QVB (double, with thermo-pad)
2. Wall bracket QVB (single, with thermo-pad)
3. 7.201 Joint profile 130/60 mm, RAL7021

4. Clip Starter, RAL7021
5. Clip Mid, RAL7021
6. Clip End, RAL7021

**PLAN DETAIL**



**SECTION DETAIL**



## QV7.2

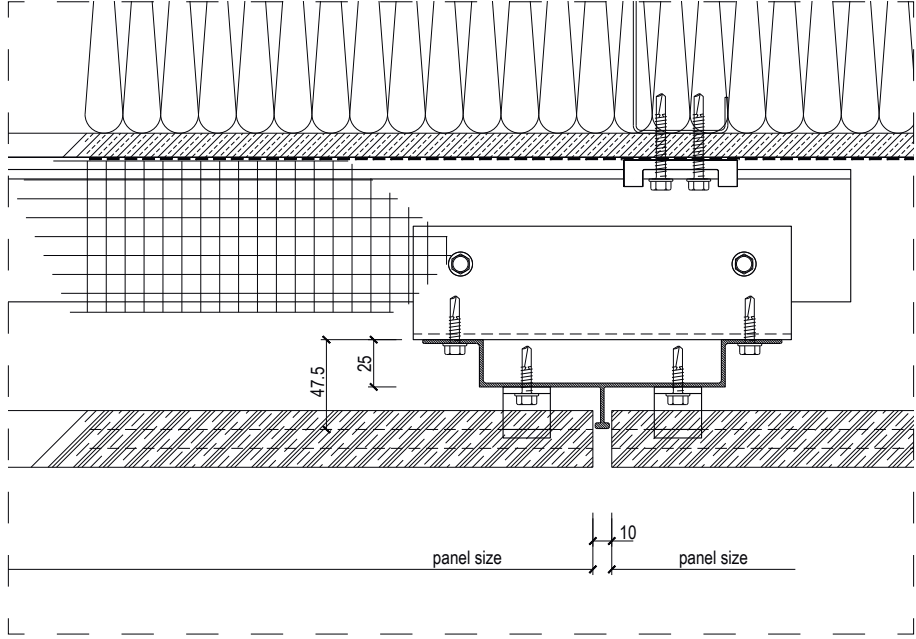
# HORIZONTAL TERRACOTTA PANELS WITH CLIPS AND HAT PROFILES FOR STUD WALL



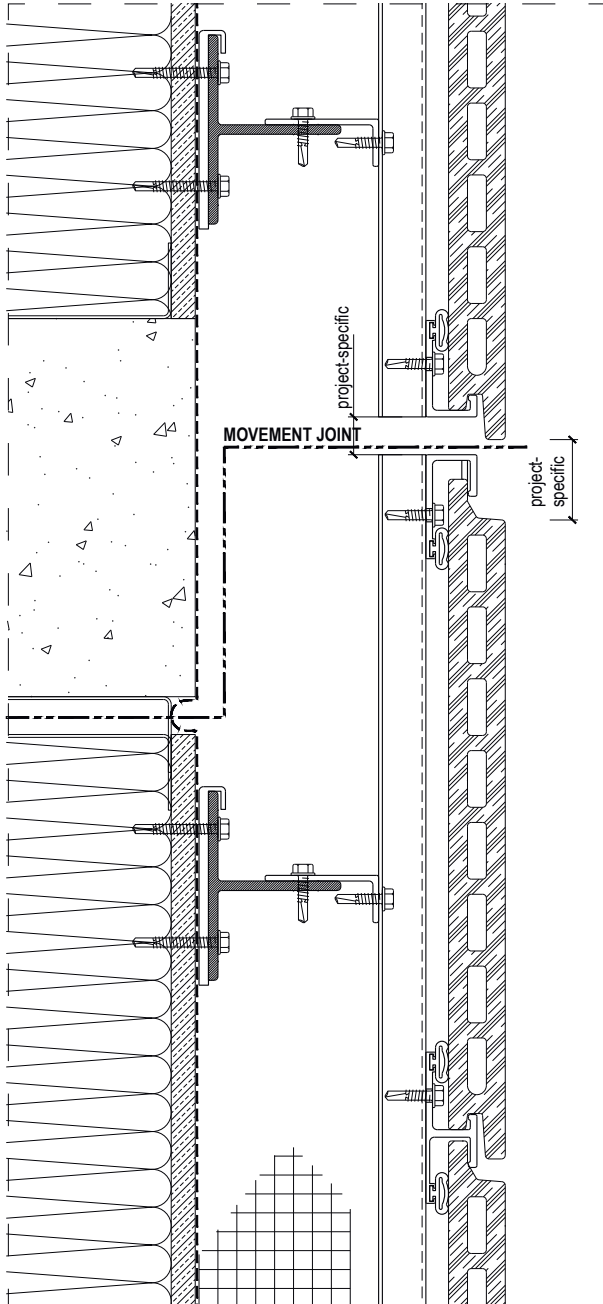
1. Profile T 100x70x5 mm (with thermo-pad)
2. L-clip 60x25x3 mm
3. 7.501 Joint profile 25x190/30, RAL7021

4. Clip Starter, RAL7021
5. Clip Mid, RAL7021
6. Clip End, RAL7021

**PLAN DETAIL**

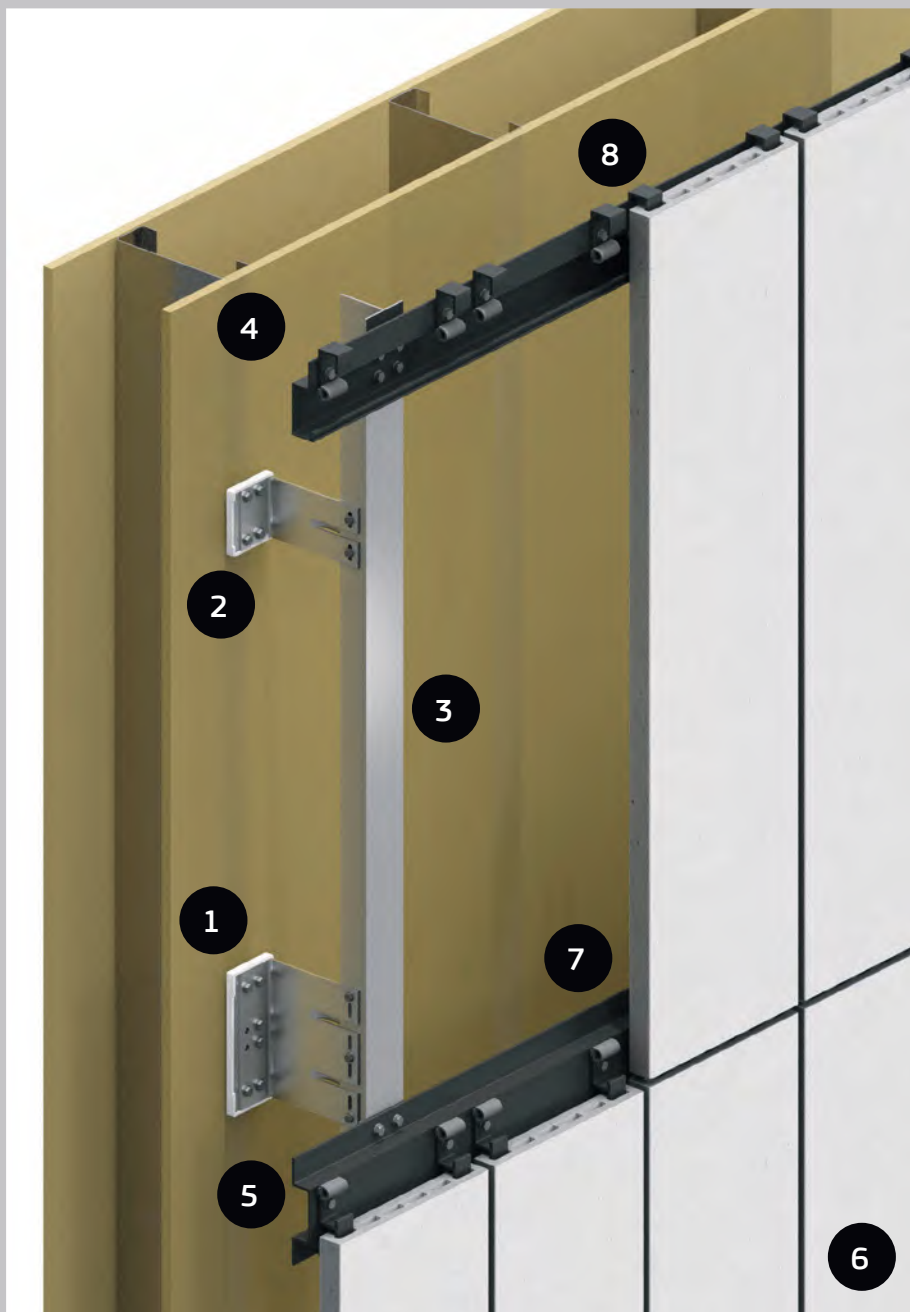


**SECTION DETAIL**



## QV7.3

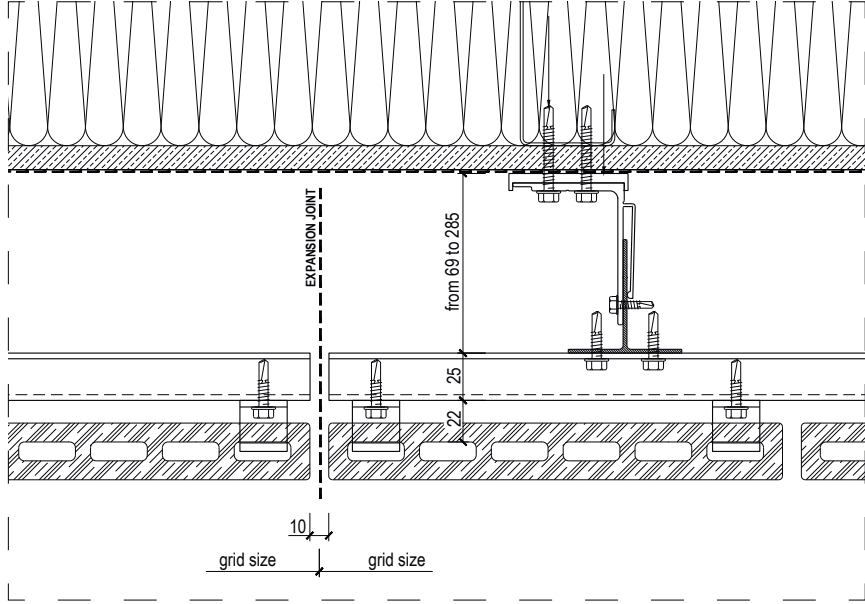
# VERTICAL TERRACOTTA PANELS WITH CLIPS AND HORIZONTAL PROFILES



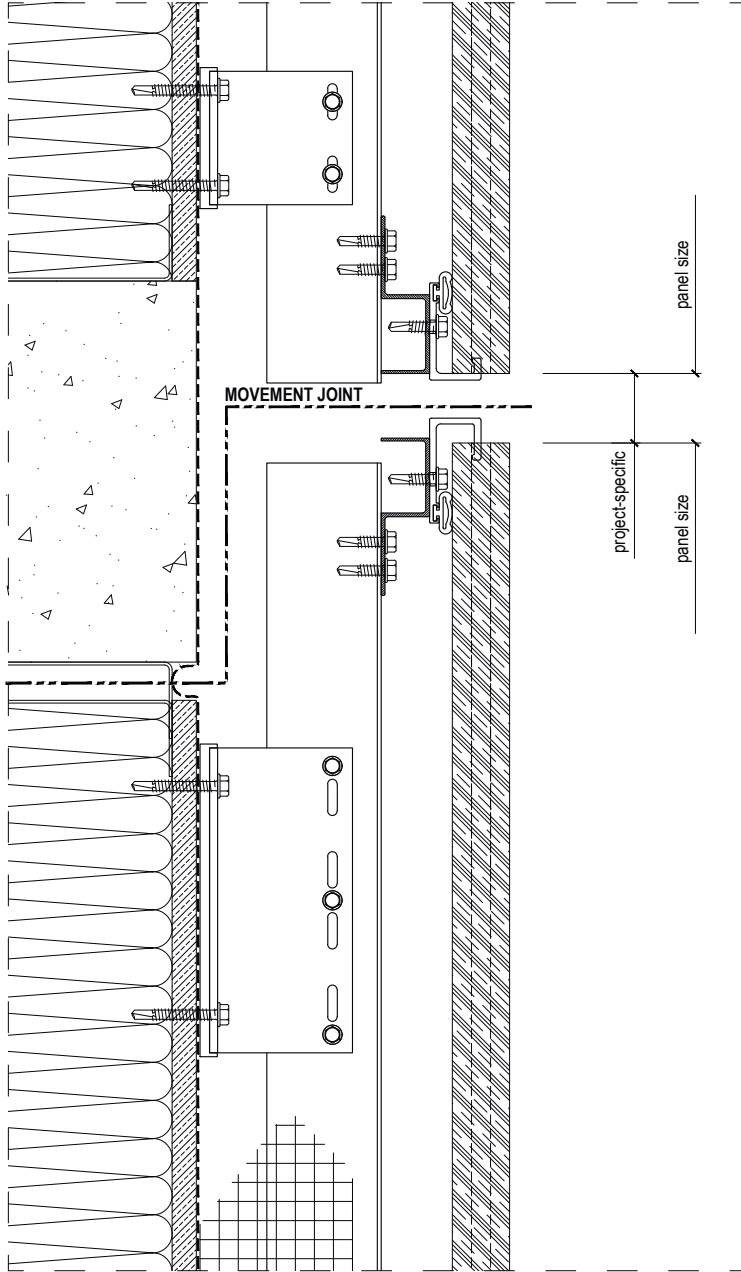
1. Wall Bracket QVB (double, with thermo-pad)
2. Wall bracket QVB (single, with thermo-pad)
3. Profile T 60x60x2 mm
4. 7.402 End profile 25x92/60 mm, RAL7021

5. Profile HAT rail 25x125/65 mm, RAL7021
6. Clip Starter, RAL7021
7. Clip Mid, RAL7021
8. Clip End, RAL7021

**PLAN DETAIL**

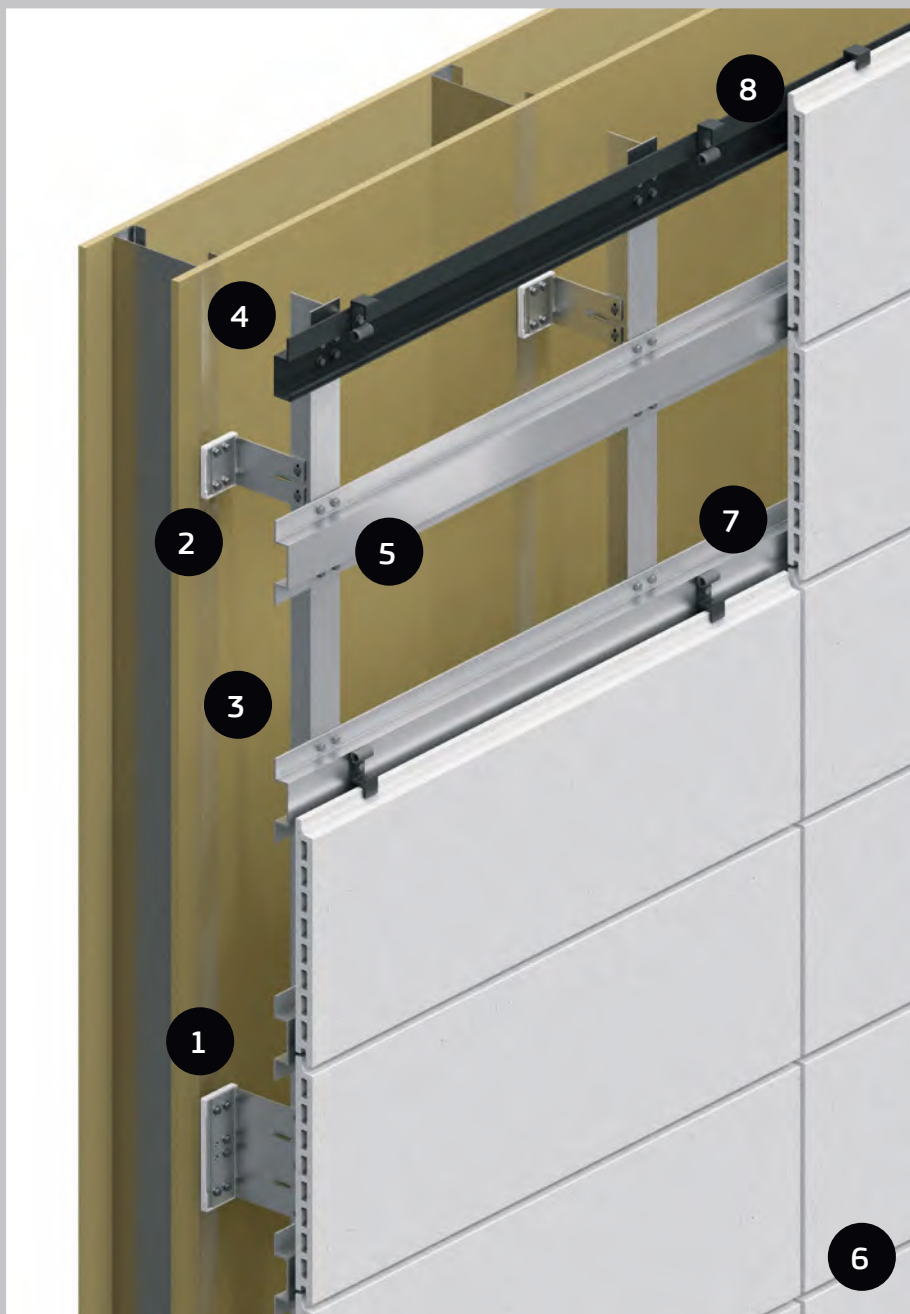


**SECTION DETAIL**



## QV7.4

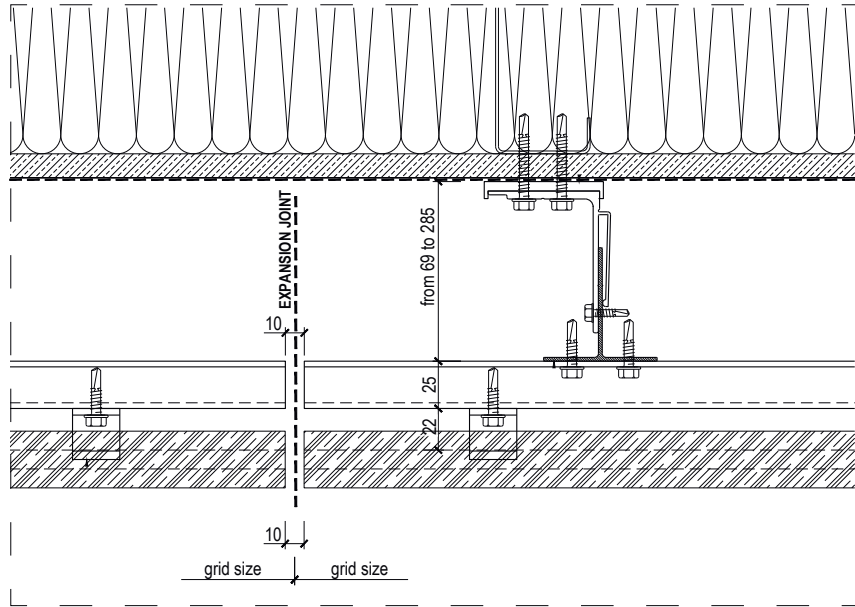
# HORIZONTAL TERRACOTTA PANELS WITH CLIPS AND HORIZONTAL PROFILES



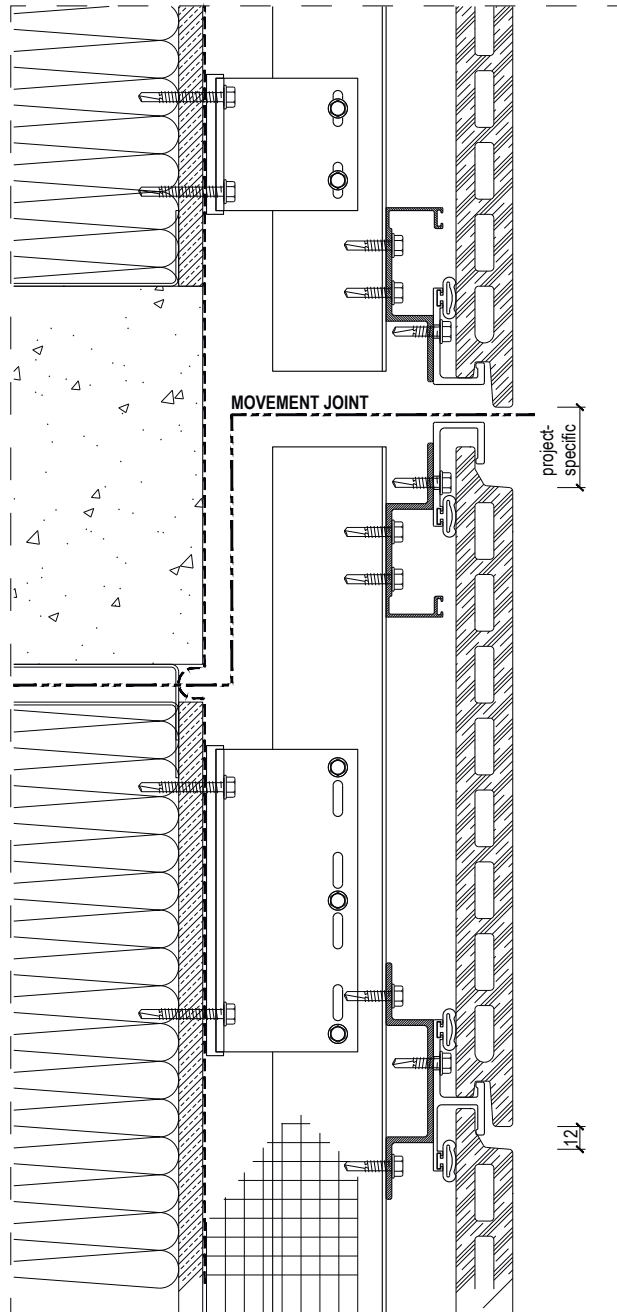
1. Wall Bracket QVB (double, with thermo-pad)
2. Wall bracket QVB (single, with thermo-pad)
3. Profile T 60x60x2 mm
4. 7.402 End profile 25x92/60 mm, RAL7021

5. Profile HAT rail 25x125/65 mm, RAL7021
6. Clip Starter, RAL7021
7. Clip Mid, RAL7021
8. Clip End, RAL7021

**PLAN DETAIL**



**SECTION DETAIL**



# Technical details

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## Benefits

- Bespoke designed terracotta profiles
- Weight approx 30 – 80 Kg/m<sup>2</sup> depending on profile
- Suitable for installation into curtain wall and bespoke cladding systems, Masonry, SFS, CLT, and composite panels
- Ideal for high rise, refurbishment, and new build
- Easy and quick installation

## Sizes and colours depending on system

- Available in standard heights from 150mm – 600mm
- Available in lengths up to 1500mm (Increments of 1mm). Depending on profile
- Other bespoke tile modules available on request
- Glazed colours including matt, gloss, selenium and bespoke finishes
- 17 standard natural unglazed tiles  
Additional colours available on request
- Any standard RAL glaze colour available
- Non standard / bespoke glazed finishes available on request

## Textures and profiles

- Natural smooth finish
- Grooved, ribbed, profiled and textured tiles available
- Baguettes / Louvers (complete with all support brackets and fixings)
- Purpose made corner units in glazed and unglazed finishes

## Installation

- Tiles fixed using either horizontal or vertical rails aiding versatility of installation for convex or concave curved elevations
- Ease of replacement of tiles
- Ideal for off site assembly / pre-fabrication to all sub-straits
- All tiles are demountable for access to the cavity for site inspection

## Durability

- Low water absorption of approx 6-10%
- A1 Fire Rated
- Frost Resistant
- 20.6 N/mm<sup>2</sup> Flexural Strength
- Chemical Resistance
- CWCT TN 75 / TN 76 impact tested on some profiles
- European standards

## Formats

- Tiles can be installed both in a horizontal format and vertical format, stack bonded, brick bonded or random bond to suit architects specification

## Warranty

- 12 years standard warranty

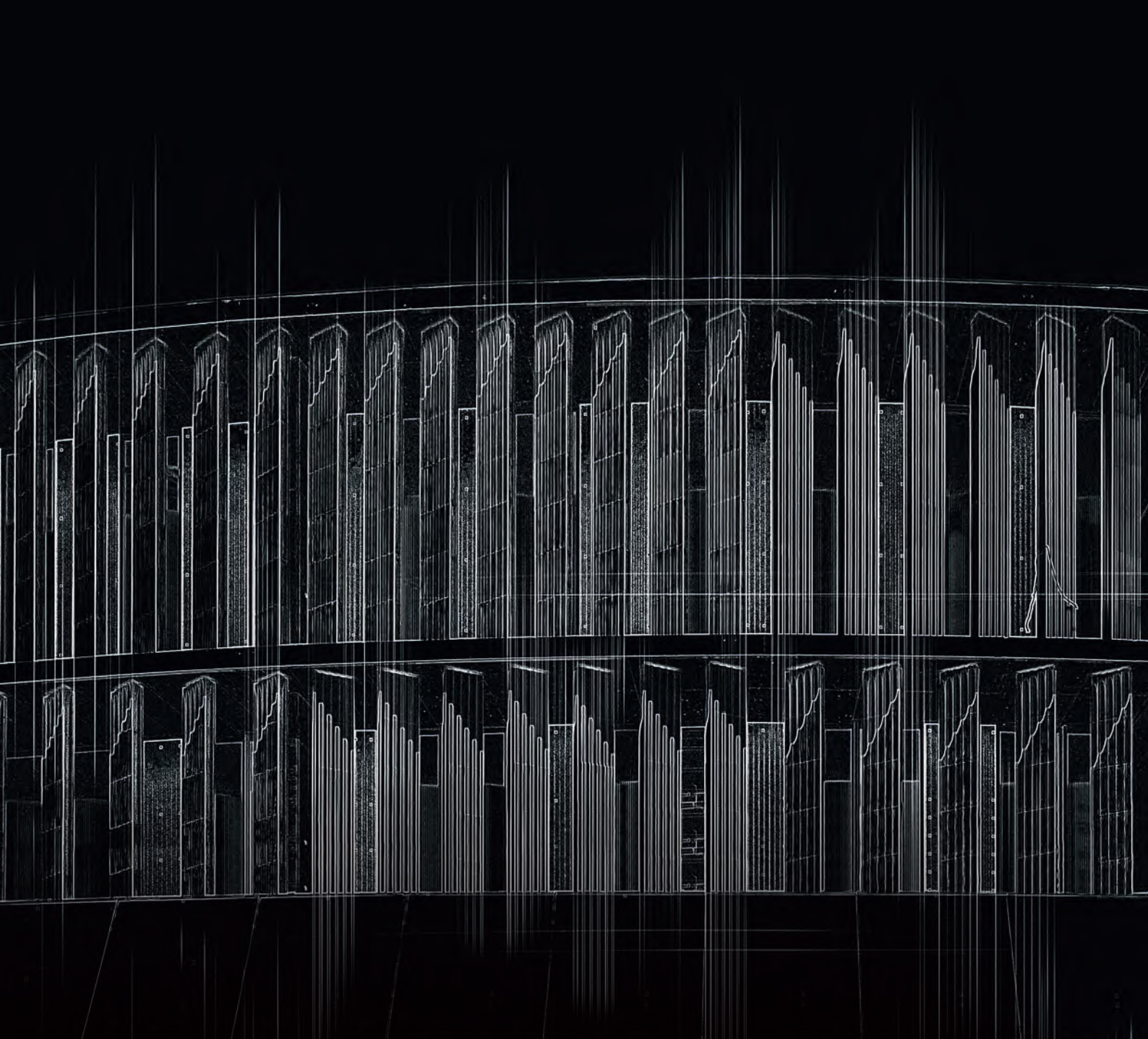
# EH Smith Design Centre

Birmingham, UK

Product: Custom Tiles and Battens

Architect: Howells





PALAU DEPORTS CATALU

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