

Globe and Simpson, St Johns Place, Manchester

Mock up and materials presentation

SJQ-102-AXS-XX-XX-RP-A-00801

18.12.20 - REVISION P01

SUITABILITY CODE : S2




ALLIED LONDON

AXIS
ARCHITECTS

 MANCHESTER
CITY COUNCIL

 ARCADIS Design & Construction
for the natural and built world

 lendlease

 curtins

 CWC
crookes walker
consulting

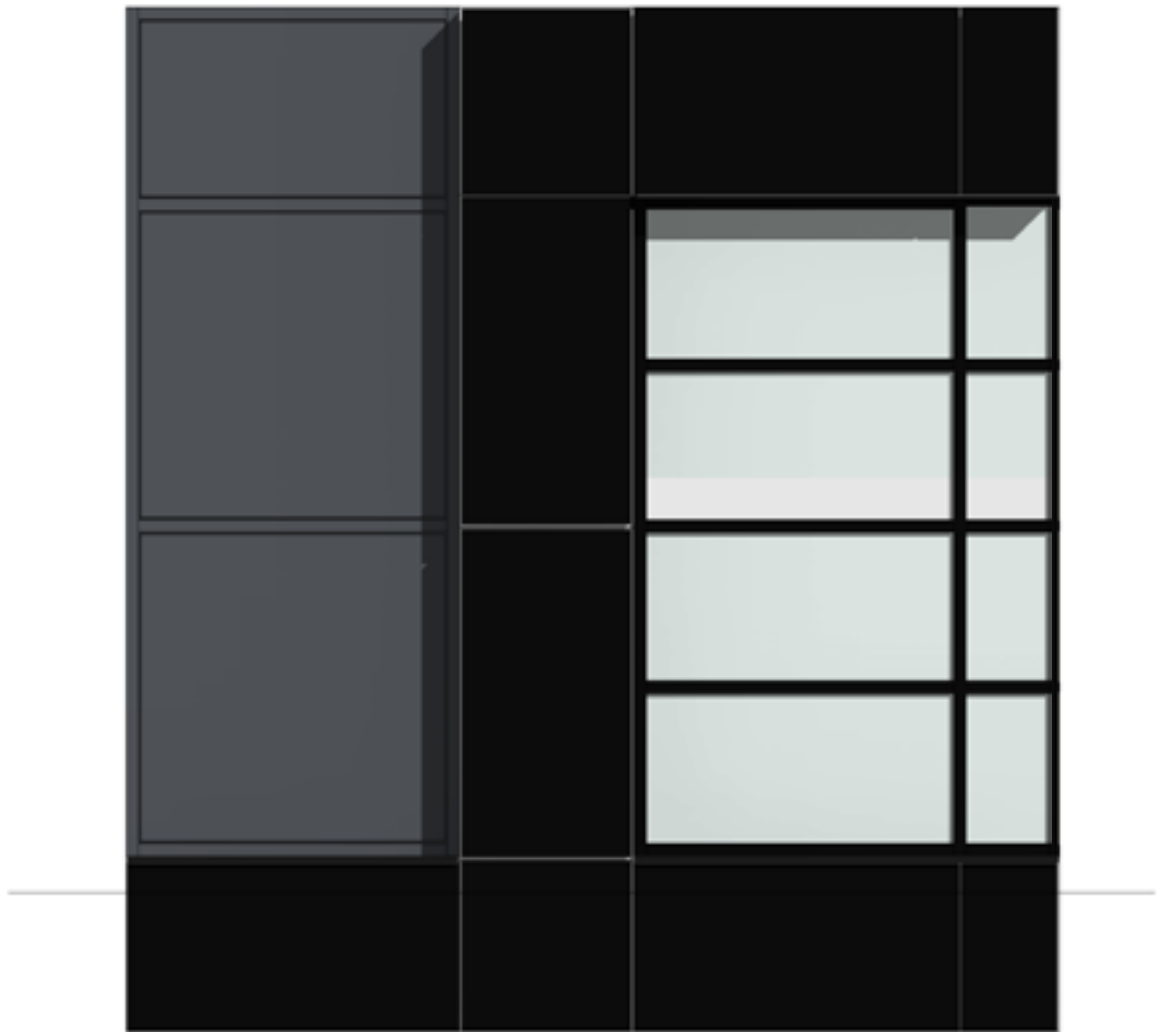
chapmanbdsp

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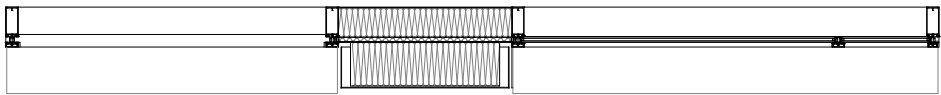
SANDY BROWN
Consultants in Acoustics, Noise & Vibration

1.0 MOCK-UP DRAWINGS

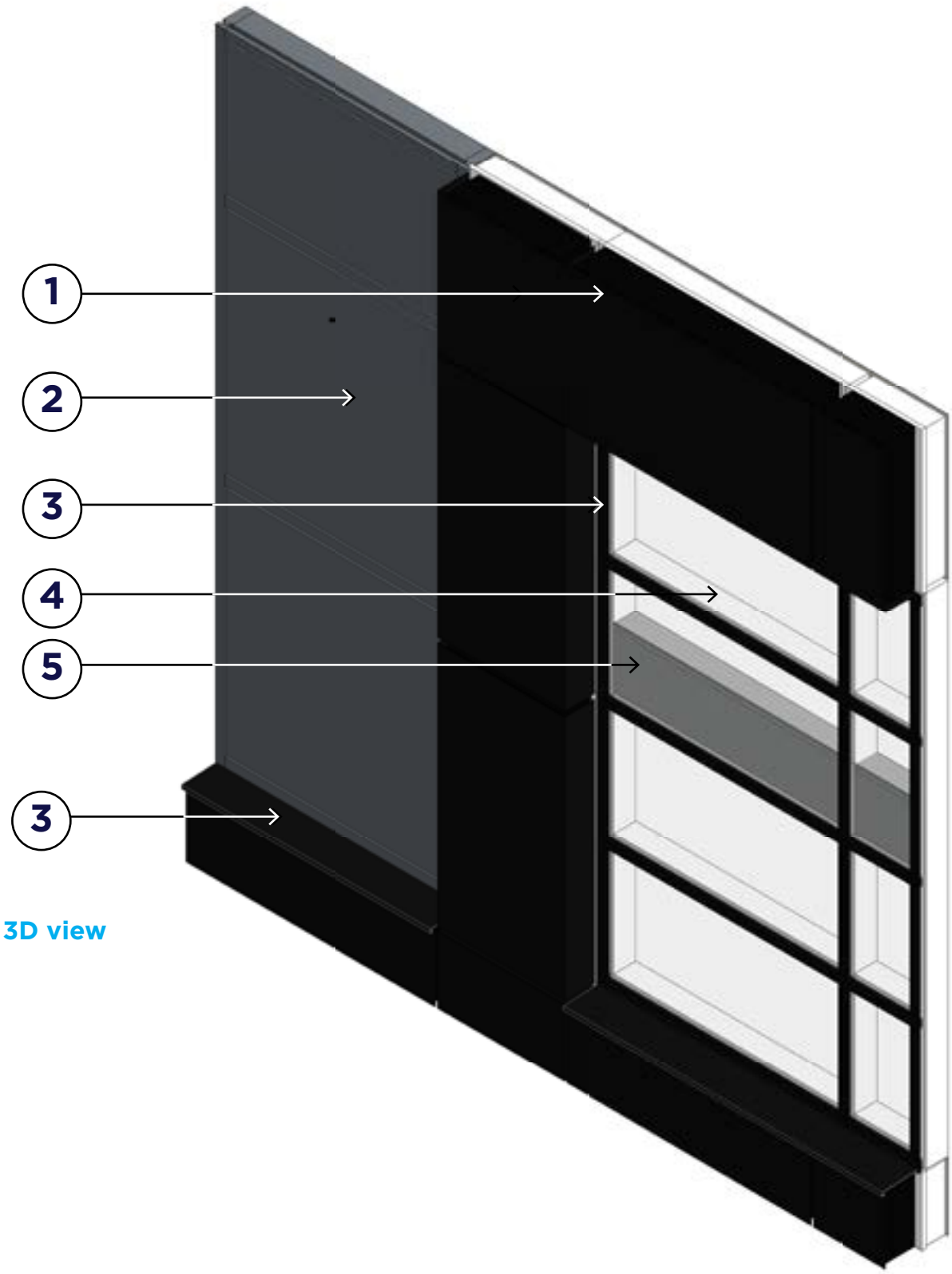
A1



Elevation



Plan

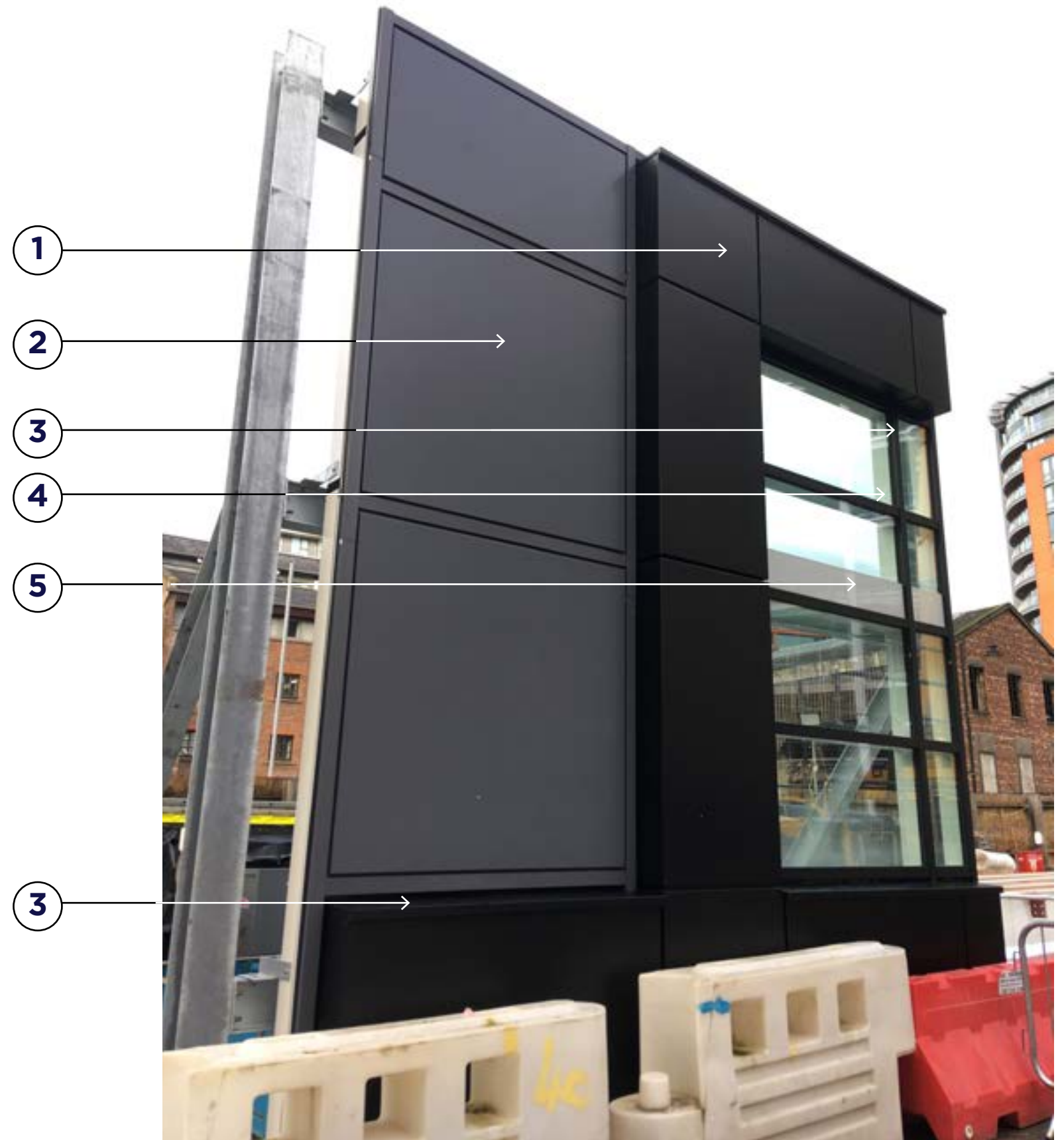


3D view

2.0 MOCK-UP SAMPLE

LIST OF MATERIALS AND COLOURS

- 1 ANODIZED ALUMINIUM
ANALOK 54B
- 2 PPC ALUMINIUM
RAL 7015 SLATE GREY
- 3 PPC ALUMINIUM
RAL 9011 GRAPHITE BLACK
- 4 PPC ALUMINIUM
RAL 9002 GREY WHITE
- 5 BACK PAINTED GLASS
RAL 7004 SIGNAL GREY
- 6 CLEAR GLASS



MOCK UP PHOTO

3.0 MATERIAL IMAGES - MAIN FACADE

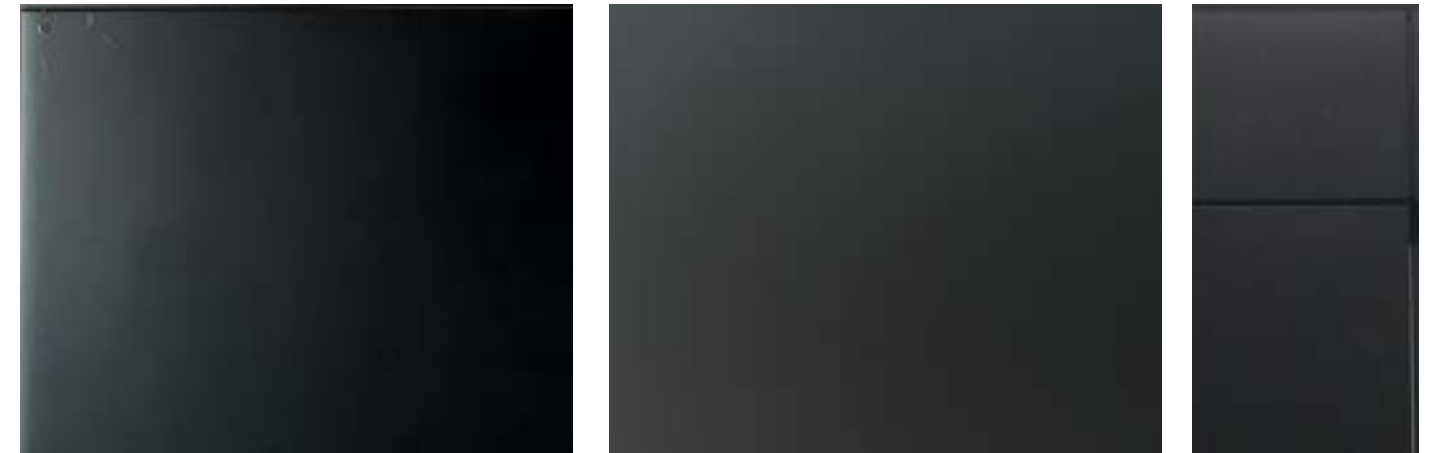
1 ANODIZED ALUMINIUM ANALOK 54B

Description:

Anodized aluminium rainscreen cladding

Location:

Main areas of facade, columnn and spandrel panels



2 PPC ALUMINIUM RAL 7015 SLATE GREY

Description:

Polyester powder coated aluminium curtain wall

Location:

Media Wall and ground floor core areas to New Quay Street, Roof level plant louvres to New Quay Street



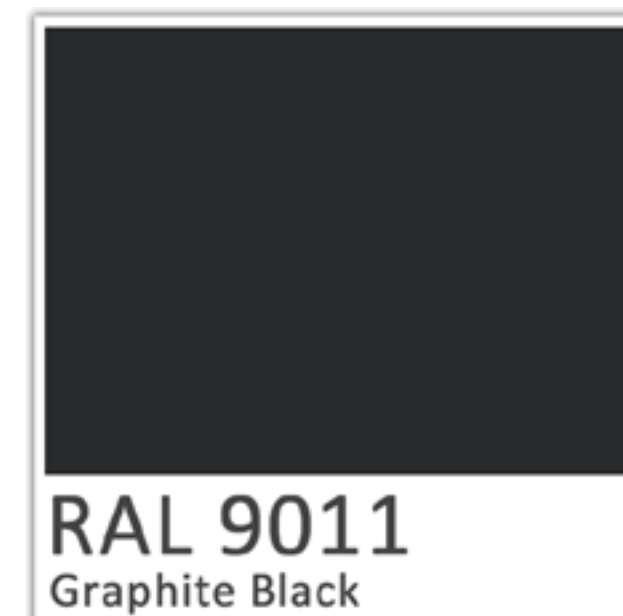
3 PPC ALUMINIUM RAL 9011 GRAPHITE BLACK

Description:

Polyester powder coated aluminium curtain wall framing

Location:

External mullion and transom caps to curtain wall glazing, and sills



4 PPC ALUMINIUM RAL 9002 GREY WHITE

Description:

Polyester powder coated aluminium curtain wall framing

Location:

Internal mullions and transoms



5 BACK-PAINTED GLASS RAL 7004 SIGNAL GREY

Description:

Back-painted glass to spandrel areas at alternate floors to obscure the structure behind

Location:

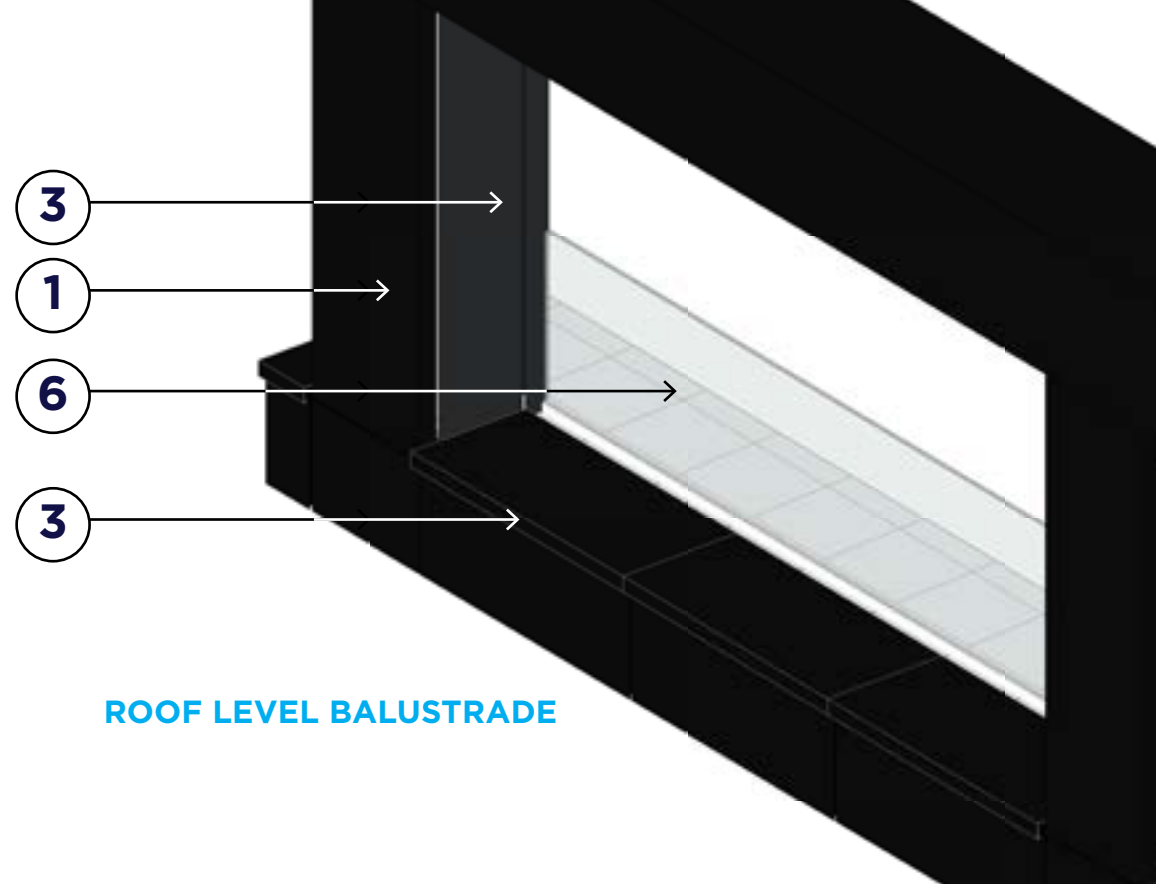
Main areas of glazing, alternate floor levels

Note: the frit colour shown on the VMU is not the proposed Signal Grey.

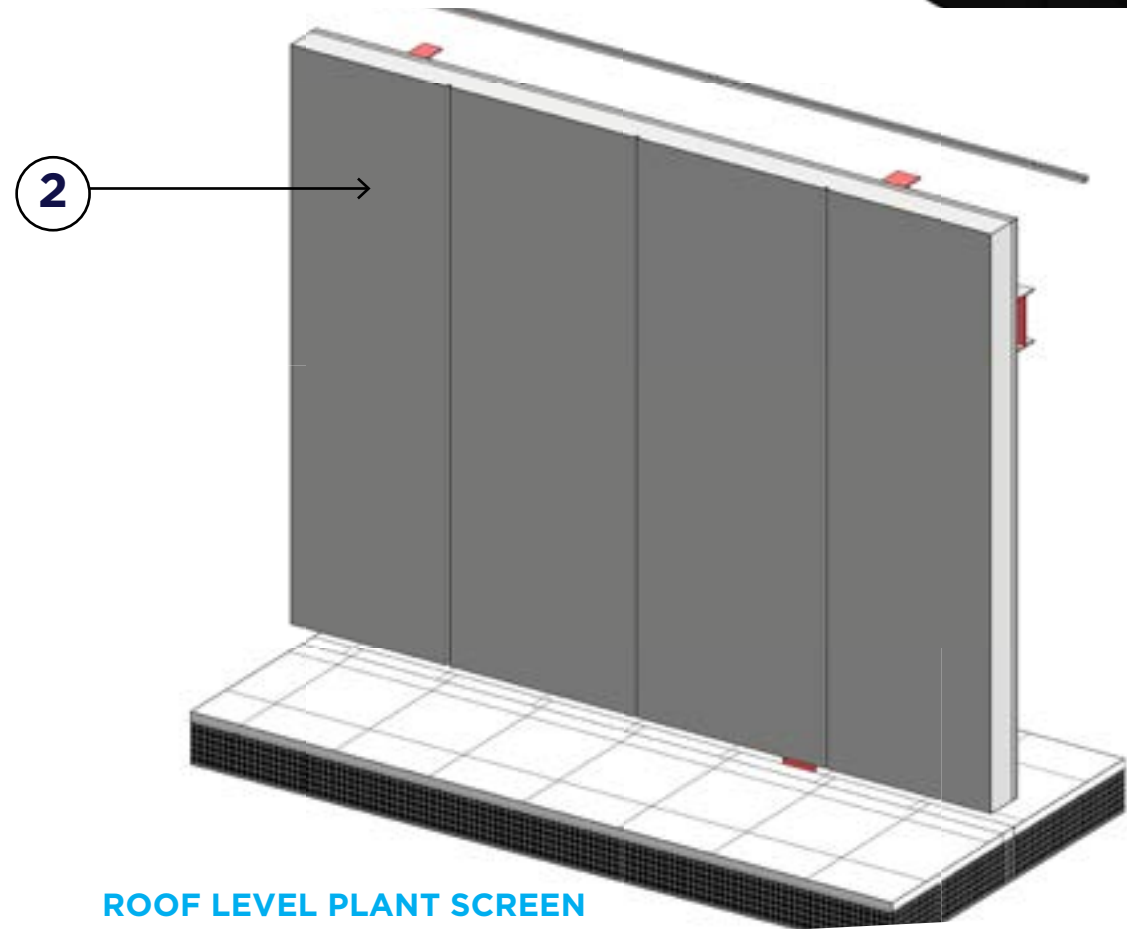
Alternative sample is available for inspection



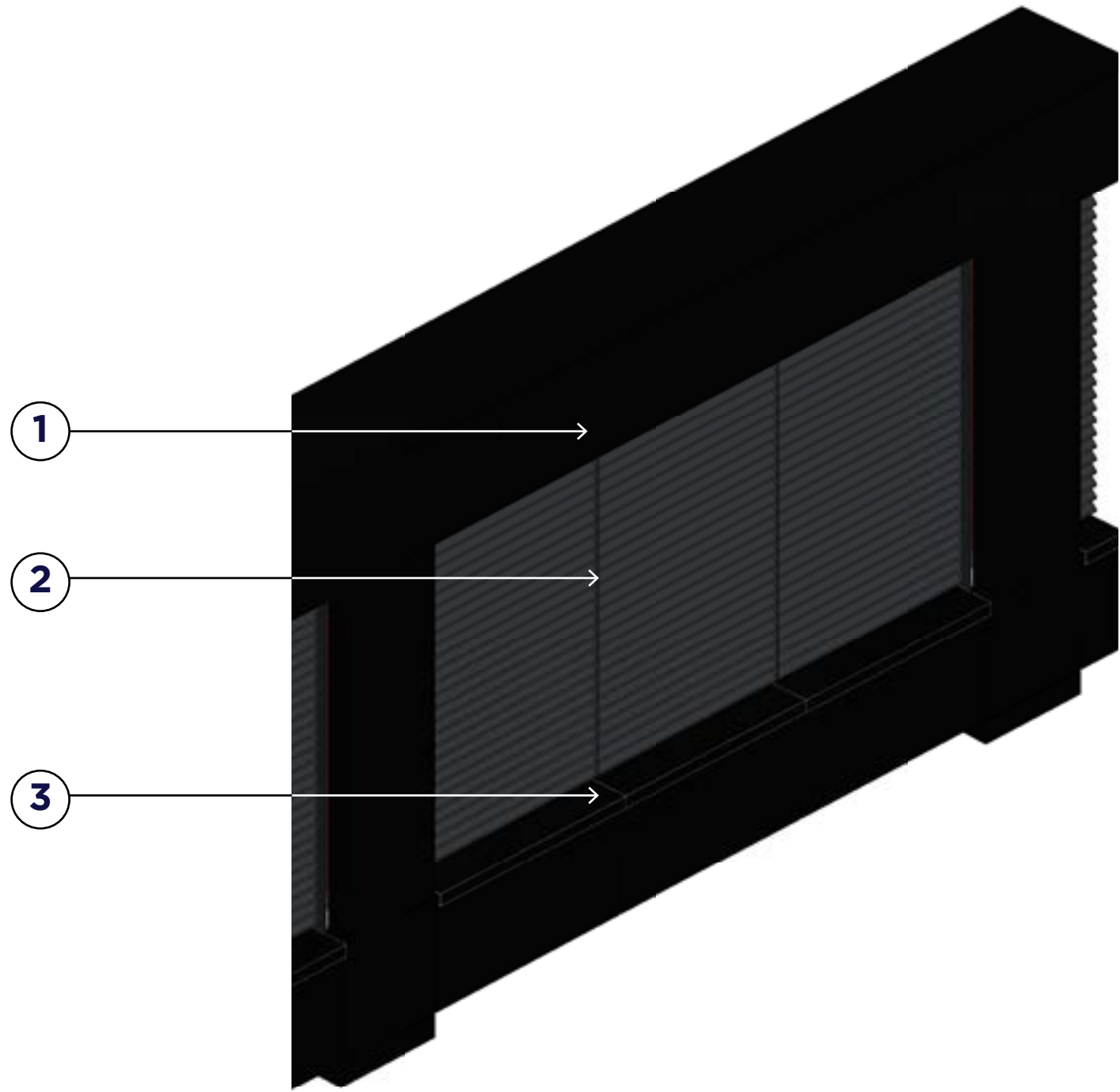
4.0 MODEL VIEWS: ROOF LEVEL - LOUVRES, BALUSTRADE AND PLANT SCREEN



ROOF LEVEL BALUSTRADE

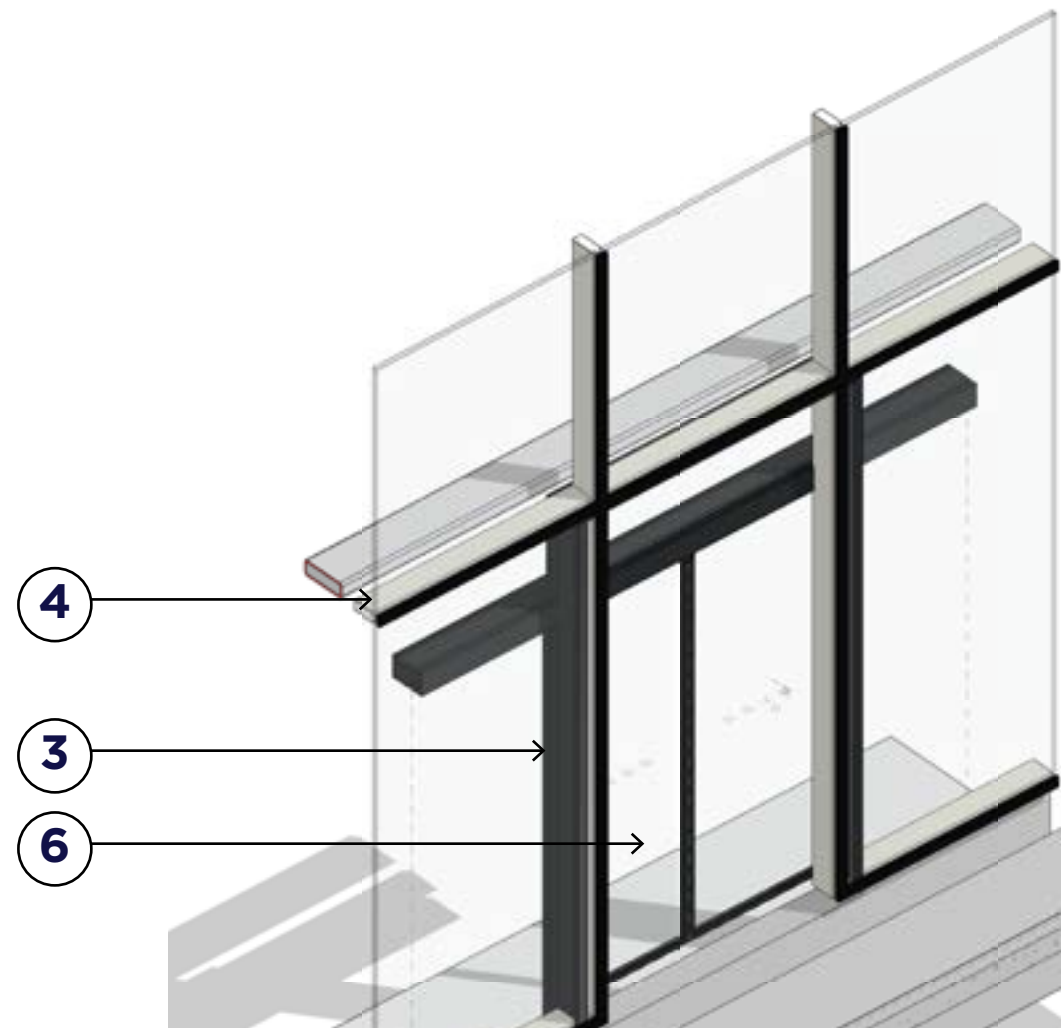


ROOF LEVEL PLANT SCREEN



ROOF LEVEL LOUVRES

5.0 MODEL VIEWS: DOORS

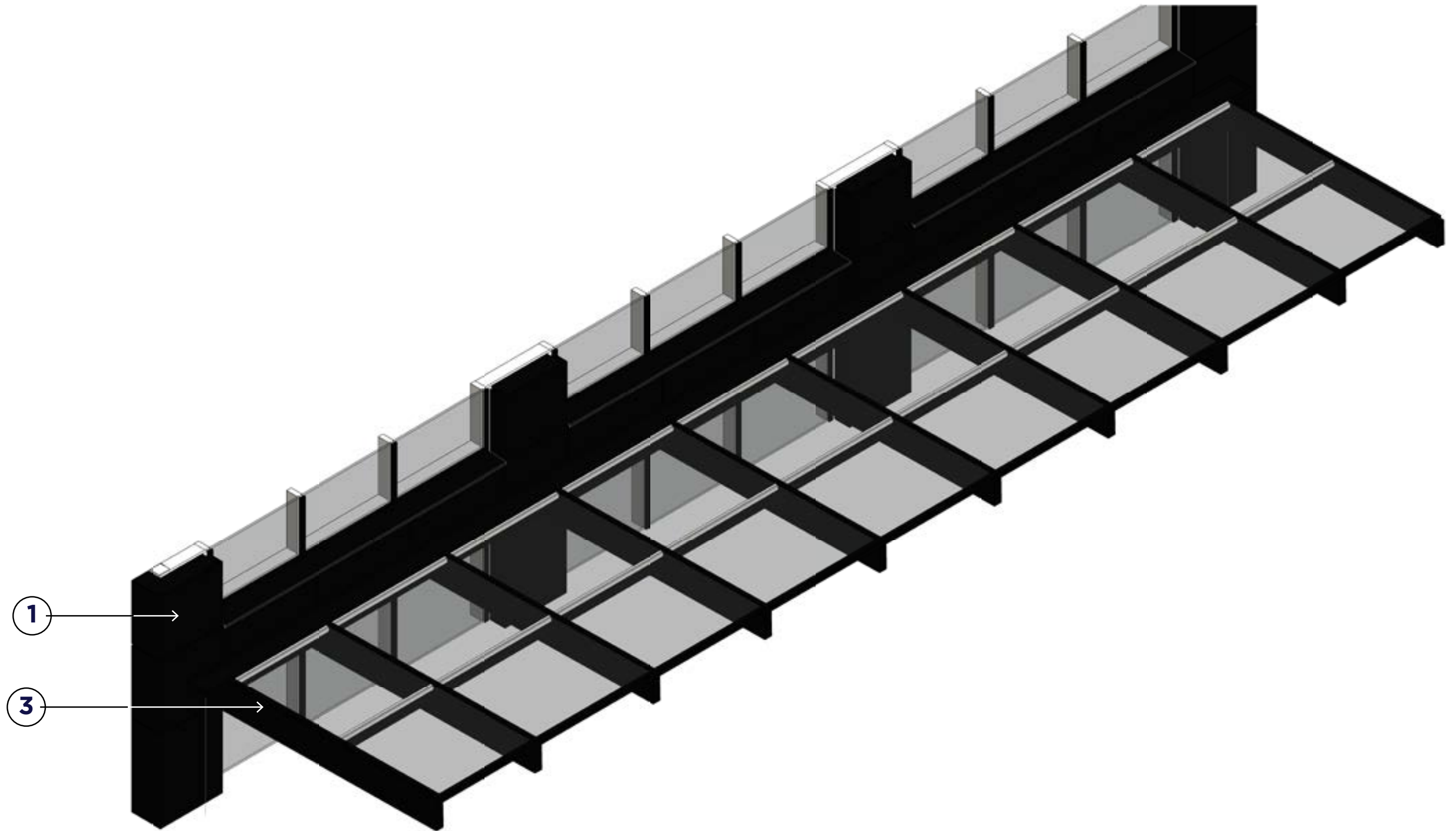


GROUND FLOOR GLASS SLIDING DOORS



GROUND FLOOR SOLID AND LOUVRED DOORS

6.0 MODEL VIEWS: CANOPY



7.0 MATERIAL IMAGES - ROOF, DOORS, CANOPY

② PPC ALUMINIUM RAL 7015 SLATE GREY

Description:

Polyester powder coated aluminium curtain wall

Location:

Media Wall and ground floor core areas to New Quay Street, Roof level plant louvres to New Quay Street



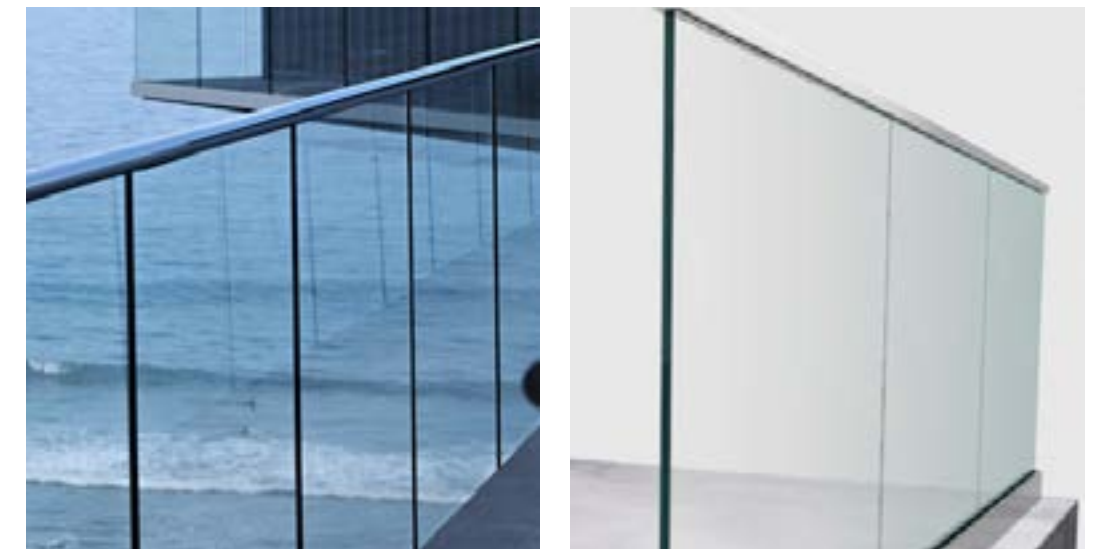
⑥ CLEAR GLASS

Description:

Clear glass panels

Location:

Terrace level balustrades



8.0 SCHEDULE OF SAMPLES

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9169 - Globe and Simpson Schedule of Cladding Samples

ITEM	DESCRIPTION	DATE AVAILABLE FOR INSPECTION	CLIENT APPROVAL DATE	LPA APPROVAL DATE
VISUAL MOCK-UP		30.11.20		
Rainscreen cladding	1. Anodised aluminiums - Analok 54B			
Cladding panels	2. Polyester powder coated aluminium - RAL 7015			
Mullion caps and sills	3. Polyester powder coated aluminium - RAL 9011			
Internal mullions	4. Polyester powder coated aluminium - RAL 9002			
Glazed spandrel panels	5. Back-painted glass - RAL 7004			
Glazing	6. Clear glass			
ROOF LEVEL LOUVRES	2. Polyester powder coated aluminium - RAL 7015	26.02.21		
ROOF LEVEL GLASS BALUSTRADE	6. Clear glass	26.02.21		
ENTRANCE CANOPY	3. Polyester powder coated aluminium - RAL 9011	26.02.21		

9.0 SITE INSPECTION REPORT

AXIS

ARCHITECTS

SITE INSPECTION REPORT

Project:9169 Globe and Simpson

Inspection No.001

Subject:Visual Mock-up

Attendees:TBC

Distribution:As above

Venue:Globe and Simpson site

Date of inspection:TBC

Action

1.0	Purpose of Inspection	
1.1		
2.0	Areas of Work Inspected	
2.1		
3.0	Observations	
3.1		
4.0	Summary	
4.1		

10.0 QUALITY CONTROL

Introduction

The quality and consistency of the anodised aluminium rainscreen cladding panels is key to ensuring that the building facades are constructed in accordance with the consented planning drawings (and minor material amendments) and the approved materials samples.

All aluminium elements of cladding will be manufactured off-site under factory conditions.

This section provides an overview of the quality control procedures employed to provide consistency in the quality and colour of the anodised aluminium rainscreen panels to be installed on Globe and Simpson.

Quality Control

The level of automation, factory consistency and quality provided by the off-site manufacturing process ensures consistency in the appearance and finish of the panels.

The curtain wall system is being manufactured off-site by Premo, using Kawneer components.
The rainscreen panels are being manufactured off-site by Premo, using Kawneer components.
External doors are being manufactured off-site by Kawneer.
The glass panels for the curtain-walling are being manufactured off-site by Eckelt.

A full list of items to be manufactured off-site can be found in Section 3.1 of FK's Contractor's Management Plan.

The main contractor is attending Premo's premises at intervals to inspect the quality of the works.

Benchmarking

The agreed colour for the rainscreen cladding was originally selected by Allied London, and subsequently physical samples of the agreed colour range have been agreed.

A performance mock-up (PMU) and visual mock-up (VMU) have been constructed. The VMU has been constructed on-site for visual inspection and agreement of the benchmark quality.

As part of the visual mock-up panel a vertical and horizontal spandrel panel has been installed on site which reflects the chosen colour. The mock-up also reflects the designed joints between panels and joints to the adjacent glazed elements.

In addition to the VMU, smaller-scale samples of items which are not displayed in the VMU will be available for inspection. For details of these samples, and their proposed availability dates, refer to section 8 of this report and section 13 of the FK Contractors Management Plan.

Off-site monitoring processes

In addition to the manufacturer's in house systems and quality control procedures, the main contractor has also carried out a number of factory visits / inspections:

28.09.20 – Mock up installation review with FK and Lendlease at Vinci technology Centre

13.11.20 – Premo Fabrications and FK storage centre inspection by Lendlease for stick curtain walling system

23.11.20 – Ramboll and Lendlease follow-up inspection for stick curtain walling system

15&16.12.20 – Performance mock up testing, Ramboll and Lendlease attended

07.01.21 Allied London and Axis visual mock up inspection on site

On-site monitoring processes

The installation of the panels on site will be continually monitored by Lendlease and will be regularly inspected by Axis, Ramboll (facade consultants) and the client,

Damage / repair processes

In the event of minor damage to the aluminium panels during the transportation / installation process, areas of damage will be repaired on-site. As works progress, FK, the client, the architect and third-party inspectors will review the works and report any snags or defects which will be recorded and remediated by FK. See section 15 of the FK Contractors Management Plan.

