

FALCONER CHESTER HALL

BENGAL STREET, MANCHESTER

—
COMMERCIAL & RESIDENTIAL DEVELOPMENT

—
EXTERNAL MATERIALS BROCHURE

—
NORTHERN GROUP

—
P16082-FCH-XX-XX-RP-A-0001

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P01

—
March 2022



FALCONER
CHESTER
HALL

External Materials Approval Brochure

Commercial & Residential Development

Northern Group

Bengal Street

Manchester

M4 6LR

INTRODUCTION

BENGAL STREET, MANCHESTER

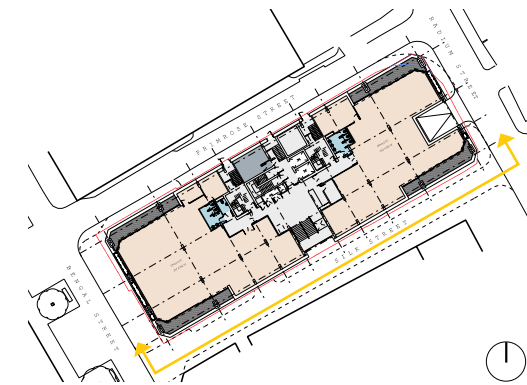
This document outlines the selection process and final proposals for the external construction materials to be used at the new development on Bengal Street, Manchester (Planning Application no. 120893/FO/2018), and is to be submitted to Manchester City Council for approval in connection with the discharge of associated Planning Condition no. 8;

"Prior to the commencement of development,
(a) a programme for the issue of samples and specifications of all material to be used on all external elevations of the development shall be submitted for approval in writing by the City Council, as Local Planning Authority, the programme shall include timings for the submission of samples and specifications of all materials to be used on all external elevations of the development along with jointing and fixing details, details of the drips to be used to prevent staining in and a strategy for quality control management.
(b) All samples and specifications shall be submitted to and approved in writing in accordance with the programme as agreed under part (a). The approved materials shall then be implemented as part of the development."

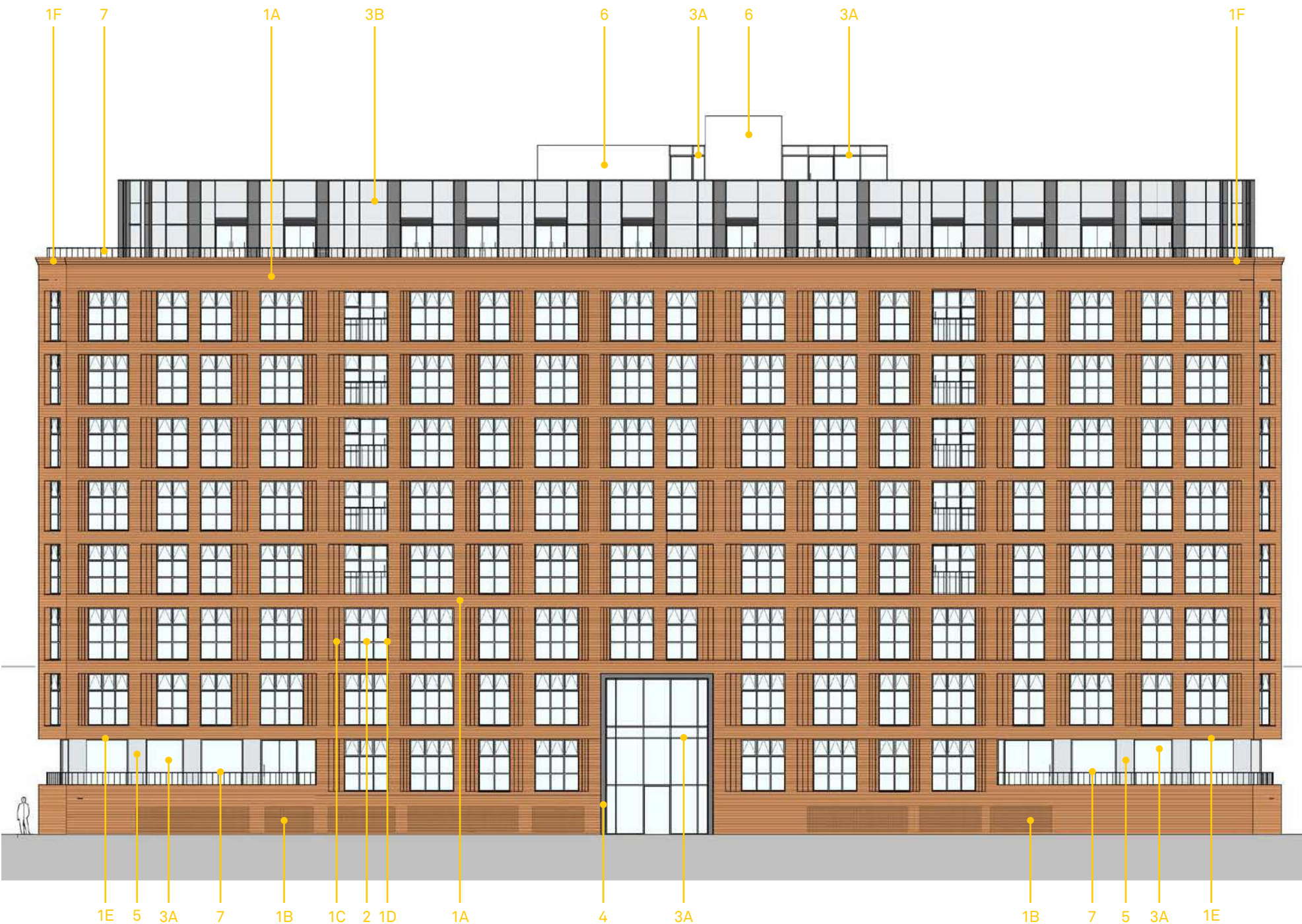


ELEVATIONAL DRAWINGS

SOUTH (FRONT) ELEVATION - SILK STREET

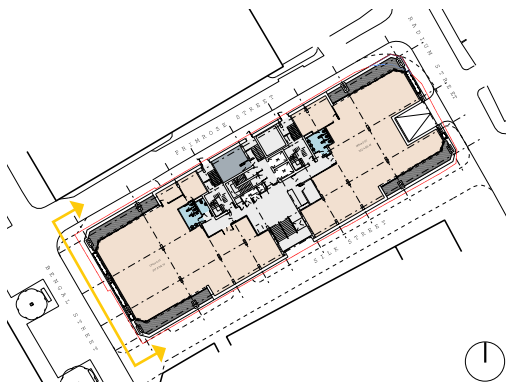


- 1 Imperial bespoke handmade brick
Colour: 'Weathered Red Multi Linear'
Dimensions: 288 x 88 x 48mm
Mortar: Dark grey recessed horizontal joints with flush perpends
A Bond: Stretcher
B Bond: Stretcher hit-and-miss (for ventilation to Lower Ground Floor)
OR
Perforated metal panel (colour to match brickwork)
C Bond: Soldier (stepped window reveals)
D Bond: Stretcher (window reveals)
E Bond: Stretcher (soffit)
F Bond: Stretcher (corbel detail)
- 2 Aluprof MB-Slimline window system
Glazing: Clear
Frame: Black
- 3 Aluprof MB-SR50N curtain walling system
A Glazing: Clear & black opaque ceramic
Joints: Horizontal & vertical capped, black
Fins: None
B Glazing: Clear, black opaque ceramic/aluminium above brick piers and below dark grey opaque ceramic/aluminium between piers.
Joints: 250mm expressed cap at head/base of transoms and all mullions.
Standard cap to all other transoms
Joint/Cap Colour: PPC Dark Grey
- 4 Expressed steel feature entrance with steel cladding reveal
Colour: PPC Dark Grey
Finish: Matt
- 5 Exposed structural concrete columns
Finish: Smooth Natural
- 6 Rainscreen cladding system
Colour: PPC Dark Grey
Finish: Matt
- 7 Metal flat plate balustrading
Colour: Black



ELEVATIONAL DRAWINGS

WEST (SIDE) ELEVATION - BENGAL STREET



- 1

Imperial bespoke handmade brick

Colour: 'Weathered Red Multi Linear'

Dimensions: 288 x 88 x 48mm

Mortar: Dark grey recessed horizontal joints with flush perpend

A Bond: Stretcher

B Bond: Stretcher hit-and-miss (for ventilation to Lower Ground Floor)

OR

Perforated metal panel (colour to match brickwork)

C Bond: Soldier (stepped window reveals)

D Bond: Stretcher (window reveals)

E Bond: Stretcher (soffit)

F Bond: Stretcher (corbel detail)
- 2

Aluprof MB-Slimline window system

Glazing: Clear

Frame: Black
- 3

Aluprof MB-SR50N curtain walling system

A Glazing: Clear & black opaque ceramic

 Joints: Horizontal & vertical capped, black

 Fins: None

B Glazing: Clear, black opaque ceramic/aluminium above brick piers and below dark grey opaque ceramic/aluminium between piers.

 Joints: 250mm expressed cap at head/base of transoms and all mullions.

 Standard cap to all other transoms

 Joint/Cap Colour: PPC Dark Grey
- 4

Expressed steel feature entrance with steel cladding reveal

Colour: PPC Dark Grey

Finish: Matt
- 5

Exposed structural concrete columns

Finish: Smooth Natural
- 6

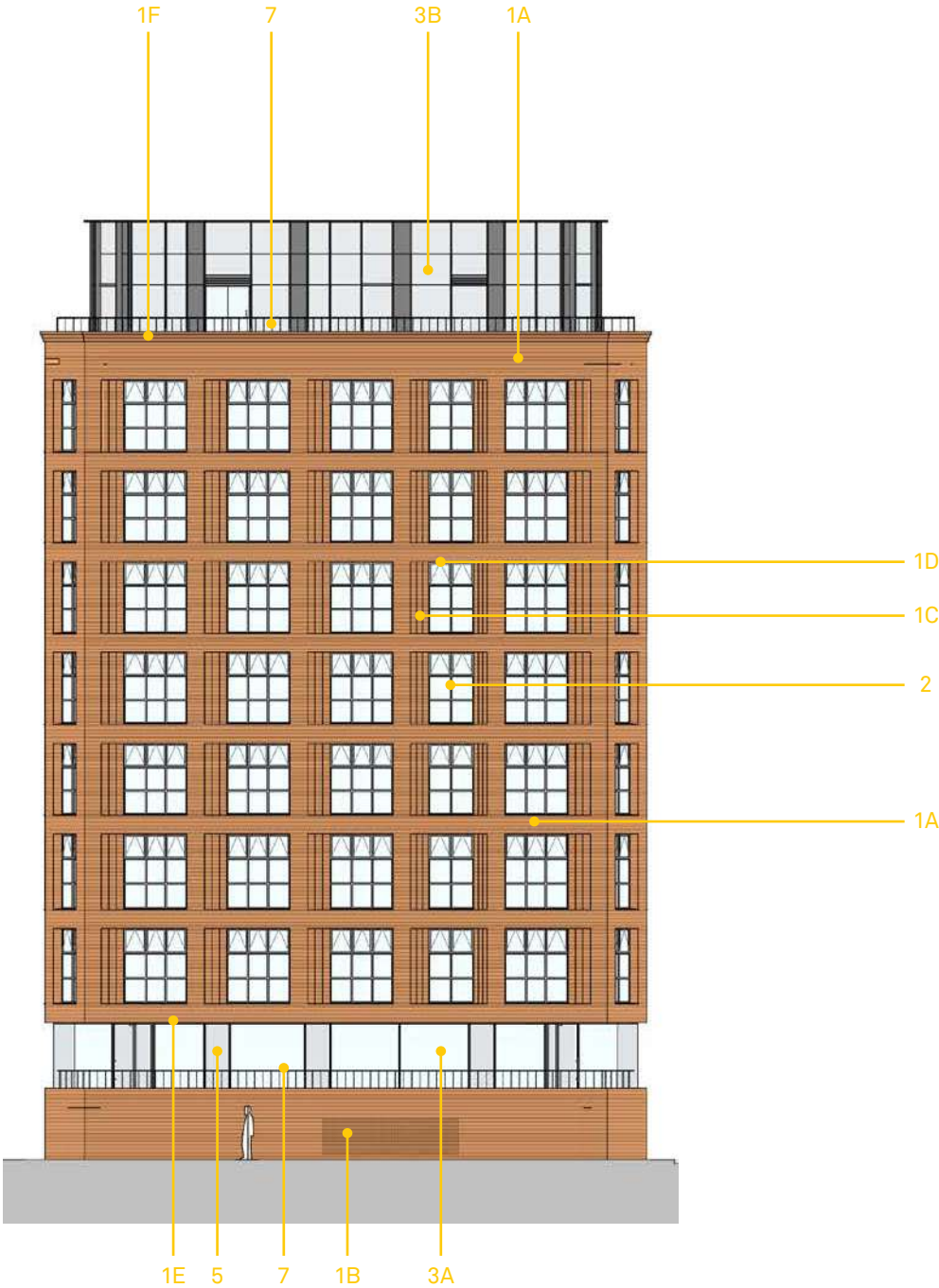
Rainscreen cladding system

Colour: PPC Dark Grey

Finish: Matt
- 7

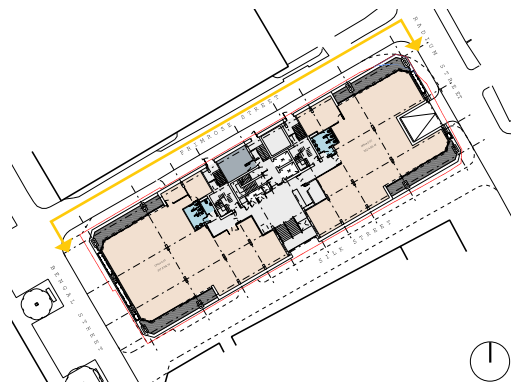
Metal flat plate balustrading

Colour: Black



ELEVATIONAL DRAWINGS

NORTH (REAR) ELEVATION - PRIMROSE STREET



- 1

Imperial bespoke handmade brick
Colour: 'Weathered Red Multi Linear'
Dimensions: 288 x 88 x 48mm
Mortar: Dark grey recessed horizontal joints with flush perpends

A

Bond: Stretcher

B

Bond: Stretcher hit-and-miss (for ventilation to Lower Ground Floor)

OR

Perforated metal panel (colour to match brickwork)

C

Bond: Soldier (stepped window reveals)

D

Bond: Stretcher (window reveals)

E

Bond: Stretcher (soffit)

F

Bond: Stretcher (corbel detail)
- 2

Aluprof MB-Slimline window system
Glazing: Clear
Frame: Black
- 3

Aluprof MB-SR50N curtain walling system

A

Glazing: Clear & black opaque ceramic
Joints: Horizontal & vertical capped, black
Fins: None

B

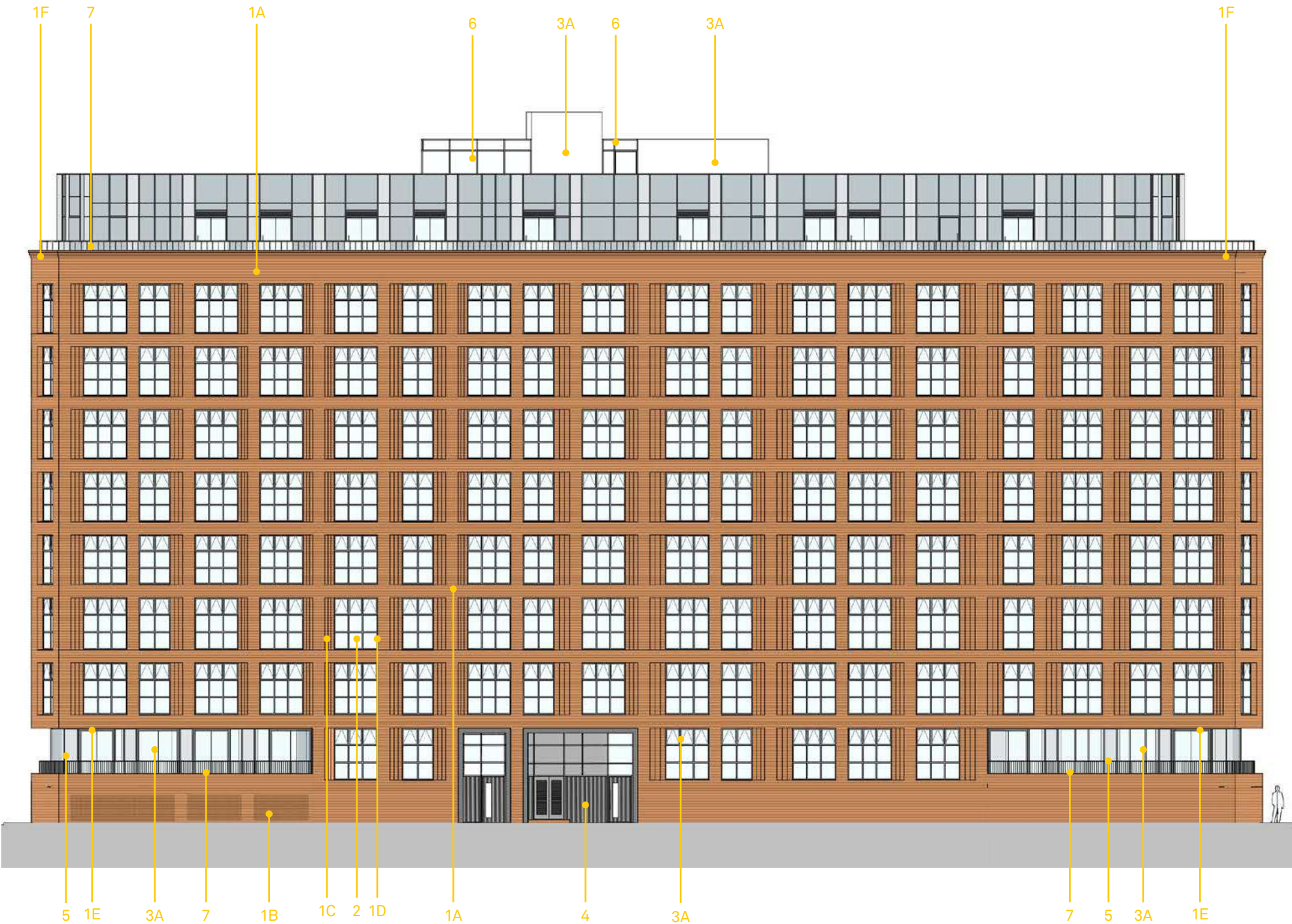
Glazing: Clear, black opaque ceramic/aluminium above brick piers and below dark grey opaque ceramic/aluminium between piers.
Joints: 250mm expressed cap at head/base of transoms and all mullions.
Standard cap to all other transoms
Joint/Cap Colour: PPC Dark Grey
- 4

Expressed steel feature entrance with steel cladding reveal
Colour: PPC Dark Grey
Finish: Matt
- 5

Exposed structural concrete columns
Finish: Smooth Natural
- 6

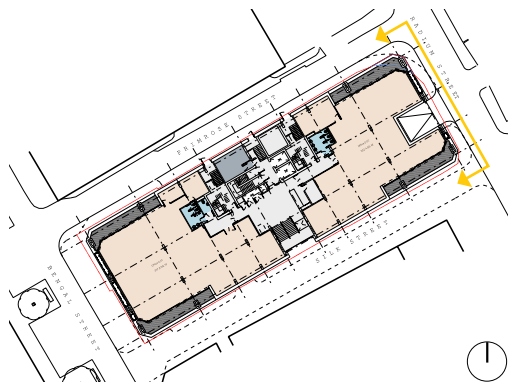
Rainscreen cladding system
Colour: PPC Dark Grey
Finish: Matt
- 7

Metal flat plate balustrading
Colour: Black



ELEVATIONAL DRAWINGS

EAST (SIDE) ELEVATION - RADIUM STREET



- 1

Imperial bespoke handmade brick
Colour: 'Weathered Red Multi Linear'
Dimensions: 288 x 88 x 48mm
Mortar: Dark grey recessed horizontal joints with flush perpends

A

Bond: Stretcher

B

Bond: Stretcher hit-and-miss (for ventilation to Lower Ground Floor)
OR
Perforated metal panel (colour to match brickwork)

C

Bond: Soldier (stepped window reveals)

D

Bond: Stretcher (window reveals)

E

Bond: Stretcher (soffit)

F

Bond: Stretcher (corbel detail)
- 2

Aluprof MB-Slimline window system
Glazing: Clear
Frame: Black
- 3

Aluprof MB-SR50N curtain walling system

A

Glazing: Clear & black opaque ceramic
Joints: Horizontal & vertical capped, black
Fins: None

B

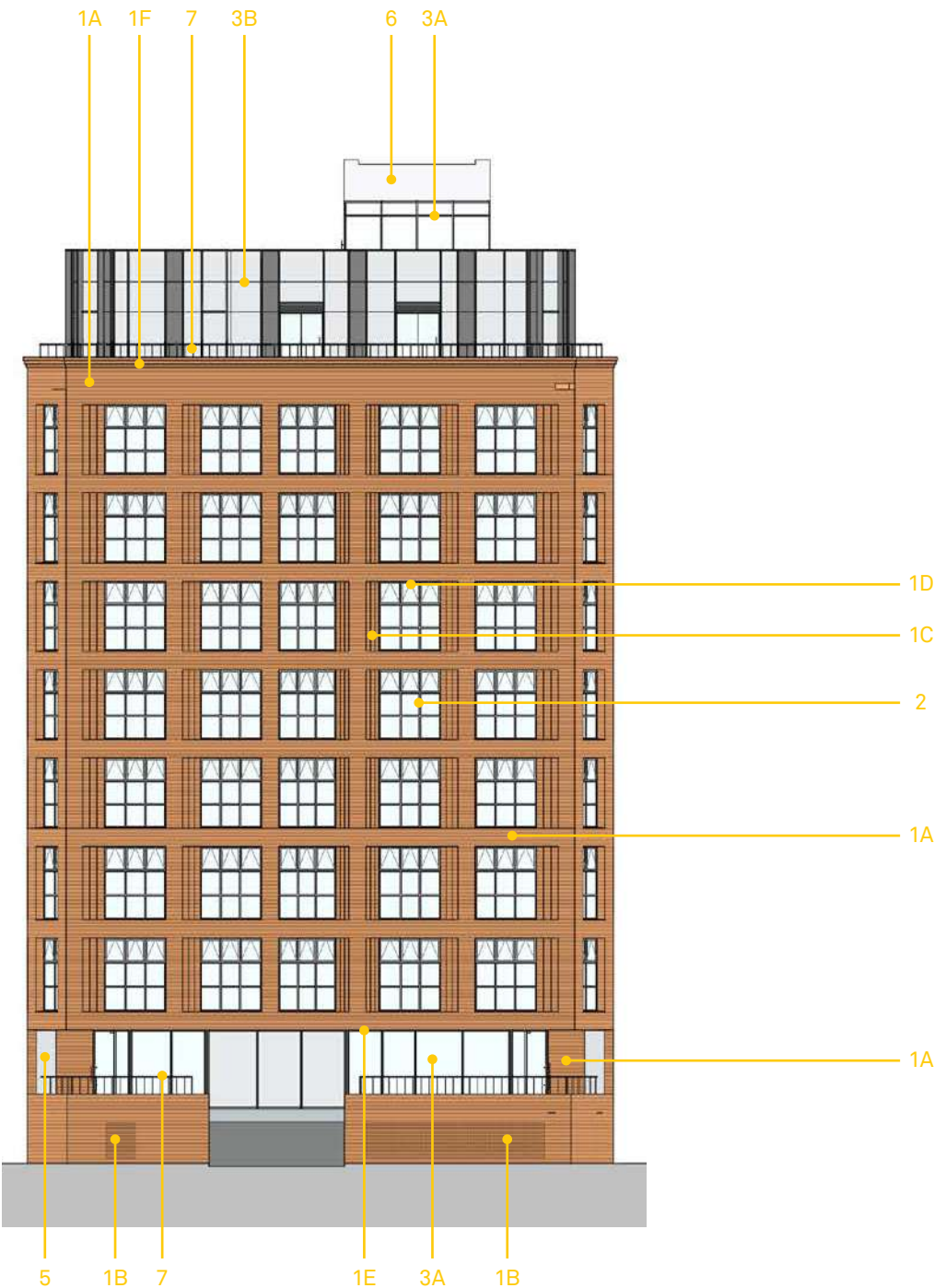
Glazing: Clear, black opaque ceramic/aluminium above brick piers and below dark grey opaque ceramic/aluminium between piers.
Joints: 250mm expressed cap at head/base of transoms and all mullions.
Standard cap to all other transoms
Joint/Cap Colour: PPC Dark Grey
- 4

Expressed steel feature entrance with steel cladding reveal
Colour: PPC Dark Grey
Finish: Matt
- 5

Exposed structural concrete columns
Finish: Smooth Natural
- 6

Rainscreen cladding system
Colour: PPC Dark Grey
Finish: Matt
- 7

Metal flat plate balustrading
Colour: Black



BRICK CONSIDERATION

INITIAL BRICKWORK SAMPLES REVIEW



1 Wienerberger 'Agita Special' sample photo

The brickwork selection process began with a review of a range of small, board-mounted samples, with the aim of constructing larger panels on site using the preferred brick ranges.

▲ 1

The first brick sample was considered as an attempt to resemble the mixed tones shown in the planning-approved visuals, however the contrast between the red and grey bricks here proved too harsh, giving an overall darker appearance than desired. There was particular concern regarding the appearance of the piers given the contrast.

► 2, 3, 4

The following red brick samples gave a softer overall appearance, and various degrees of weathering were examined in an effort to create the required variation across the facade. However, these examples ultimately fell short due to their lack of tonal range.

► 5, 6, 7

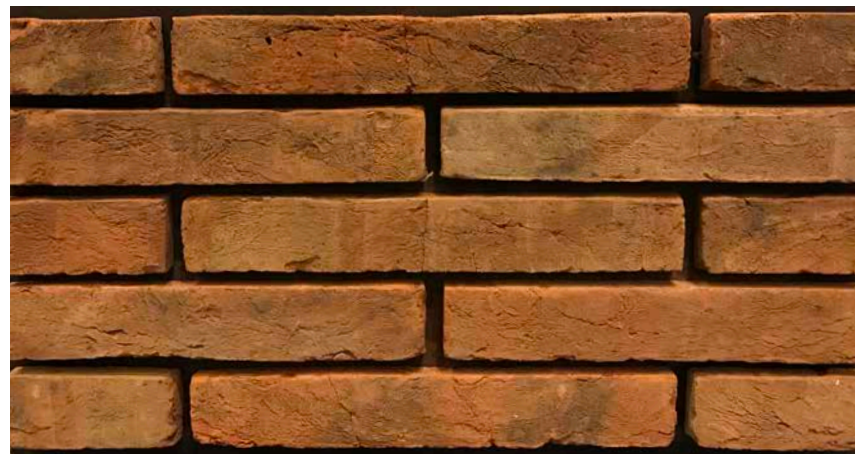
In an effort to find an appropriate middle-ground between samples 1 and 2-4, samples 5, 6, and 7 were considered. Whilst sample 5 gave an appearance closer to the planning-approved visuals in terms of tonal range, we felt the rigid edges and corners of the individual bricks were too severe. Conversely, the weathered edges of sample 6 proved more appropriate, but its tonal range gave an overall more purple appearance. However, sample 7 married the desired tones and weathering of the previous samples to give what we felt to be a more fitting aesthetic for the development.



2 Imperial 'Red Linear' sample photo



3 Imperial 'Red Multi Linear' sample photo



4 Imperial 'Weathered Red Linear' sample photo



5 Wienerberger 'Sedona' sample photo



6 Wienerberger 'Metropolis Rouge Aula' sample photo



7 Wienerberger 'Metropolis Aula Rood' sample photo

BRICK CONSIDERATION

WIENERBERGER 'METROPOLIS AULA ROOD' SITE SAMPLE PANELS

Further to the initial review of smaller sample panels, we had a large site sample panel constructed using the Wienerberger 'Metropolis Aula Rood'. This sample panel included reviewing the brick bond of the corbel detail located at Level 08 parapet.

The site sample panels included a dark grey mortar colour, along with a 15mm recessed joint.

The 'Aula Rood' elongated brick is relatively traditional in appearance, but the linear proportions do portray a modern interpretation. The arrises are rounded, which also soften the appearance and allows the brick to sit well within the existing context.

1. Stack bond joint corbel

This option employs the principle used to the feature brick 'stepped' reveals articulated within the window bays. The stack bonded coursing would highlight this corbel detail as a feature.

2. Stretcher bond joint corbel

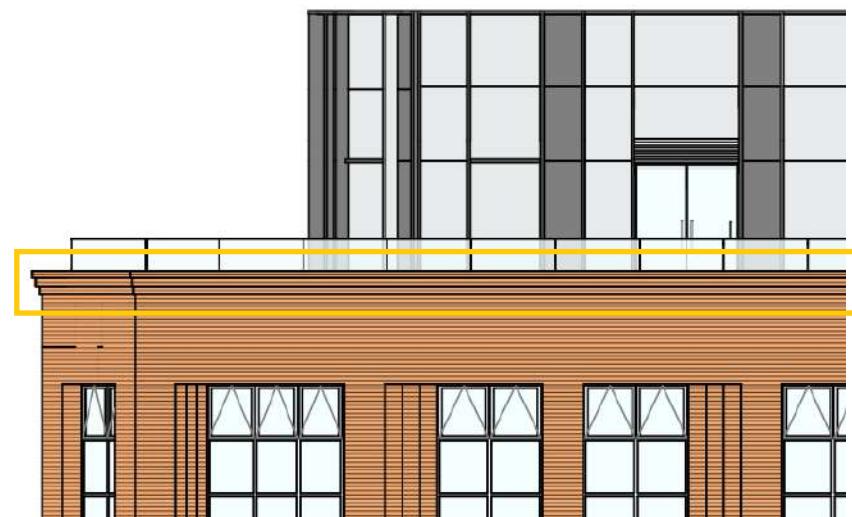
This alternative option would be to continue the stretcher bond coursing through the main facade and allow the corbel to be a subtle horizontal feature detail.



1 Stack bond corbel detail



2 Stretcher bond corbel detail



TYPICAL CORBEL DETAIL LOCATION



BRICK CONSIDERATION

ADDITIONAL WIENERBERGER SITE SAMPLE PANELS



In addition to the site sample panels of the Wienerberger 'Metropolis Aula Rood', we reviewed 4no. further options, which we considered to be more modern alternatives to the 'Aula Rood' brick.

1. 'Megaline Dark Red'

This brick has a subtle variation/blend of tones of deep orange/brown, both between bricks and within each brick. It would generally sit well within the immediately surrounding buildings and context.

2. 'Rood Amarante'

This brick is quite rich and deep in colour with purple, red, and less orange; more modern in its appearance than the 'Megaline'. There is limited variation between dark, medium, and light. It would have a crisp contrast between black window frames and grey curtain walling frames, and so can be considered similar to the 'Megaline Dark Red' in this respect.

3. 'Sedona'

This brick type was one of the preferred options when reviewing small sample boards. However, whilst tonally similar to the 'Megaline', the brick is of poorer quality. Additionally, the sample bricks were all quite light/pale, with few darks.

4. 'Oranje Crème'

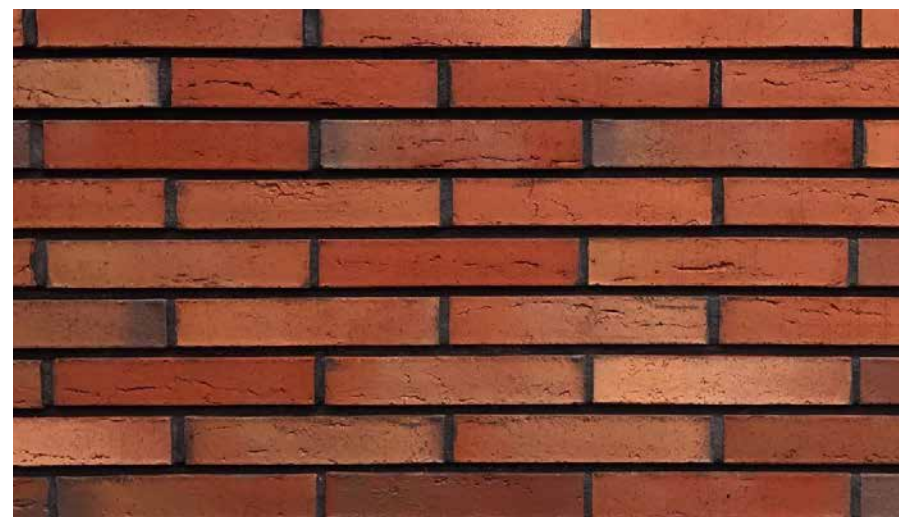
The sample panel highlighted the poor quality of this brick; a very rough finish and minimal variation.



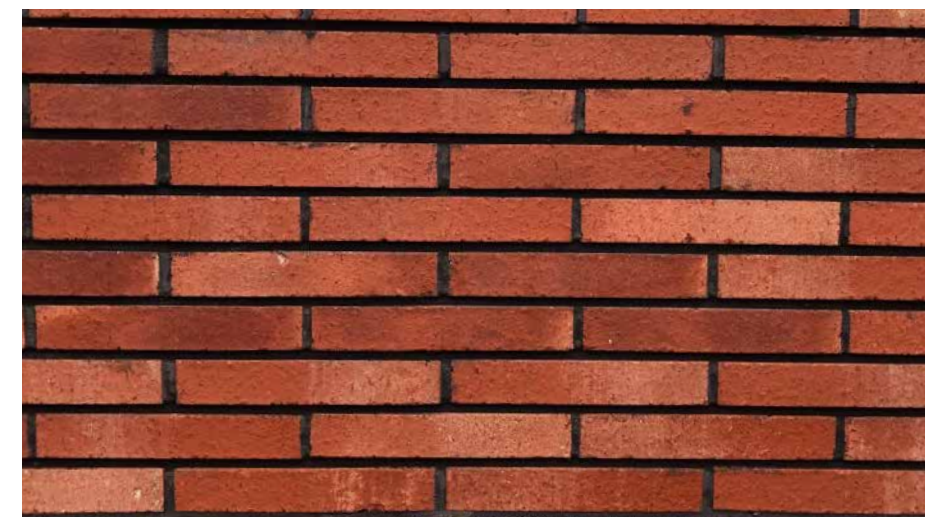
1 Wienerberger 'Megaline Dark Red'



2 Wienerberger 'Rood Amarante'



3 Wienerberger 'Sedona'



4 Wienerberger 'Oranje Crème'

BRICK CONSIDERATION

IMPERIAL 'WEATHERED RED MULTI LINEAR' BESPOKE HANDMADE BRICK

Further to reviewing the Wienerberger sample panels constructed on-site, the decision was made to revisit a number of the Imperial brick options that were initially considered when viewing the smaller, board-mounted samples.

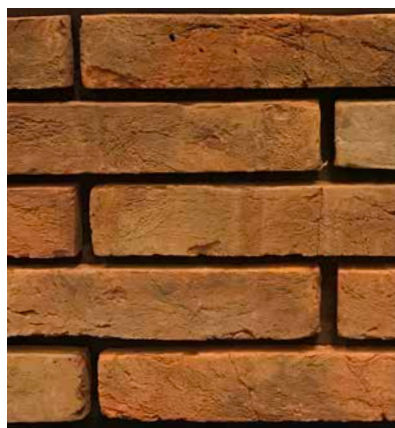
Whilst we originally preferred the appearance of the Wienerberger bricks due to their wider tonal ranges, one of the main reasons for moving away from the Weinberger options was that they were all machine-made (extruded) and simulated to reflect a handmade finish, which we did not feel was appropriate given the building's context.

Additionally, the method of manufacturing the brick specials used to construct the building's chamfered corners would have involved cutting and bonding were a Wienerberger brick chosen. We did not believe this would result in the required standard of finish, nor that the Authority would find this approach acceptable.

By contrast, the Imperial brick is a solid handmade clay brick, fired in coal-fire kilns to achieve the aesthetic of a genuine coal-fired product. As such, the Imperial brick is an authentic masonry product which we believe to be a truer representation of the historic brick buildings in this area of Manchester.

In order to overcome the limited tonal ranges in the Imperial brick identified at the initial stage, we are proposing a specific blend of the 'Weathered Red Linear' and 'Red Multi Linear' brick types, as can be seen in the latest images opposite. Furthermore, the brick is to be a bespoke size, specific to this building, in order to achieve the proportions as represented on the planning-approved elevations.

ORIGINAL SAMPLE PHOTOS



'Weathered Red Linear'

+



'Red Multi Linear'

BESPOKE 'WEATHERED RED MULTI LINEAR' HANDMADE BRICK SAMPLE PHOTOS



BRICK CONSIDERATION

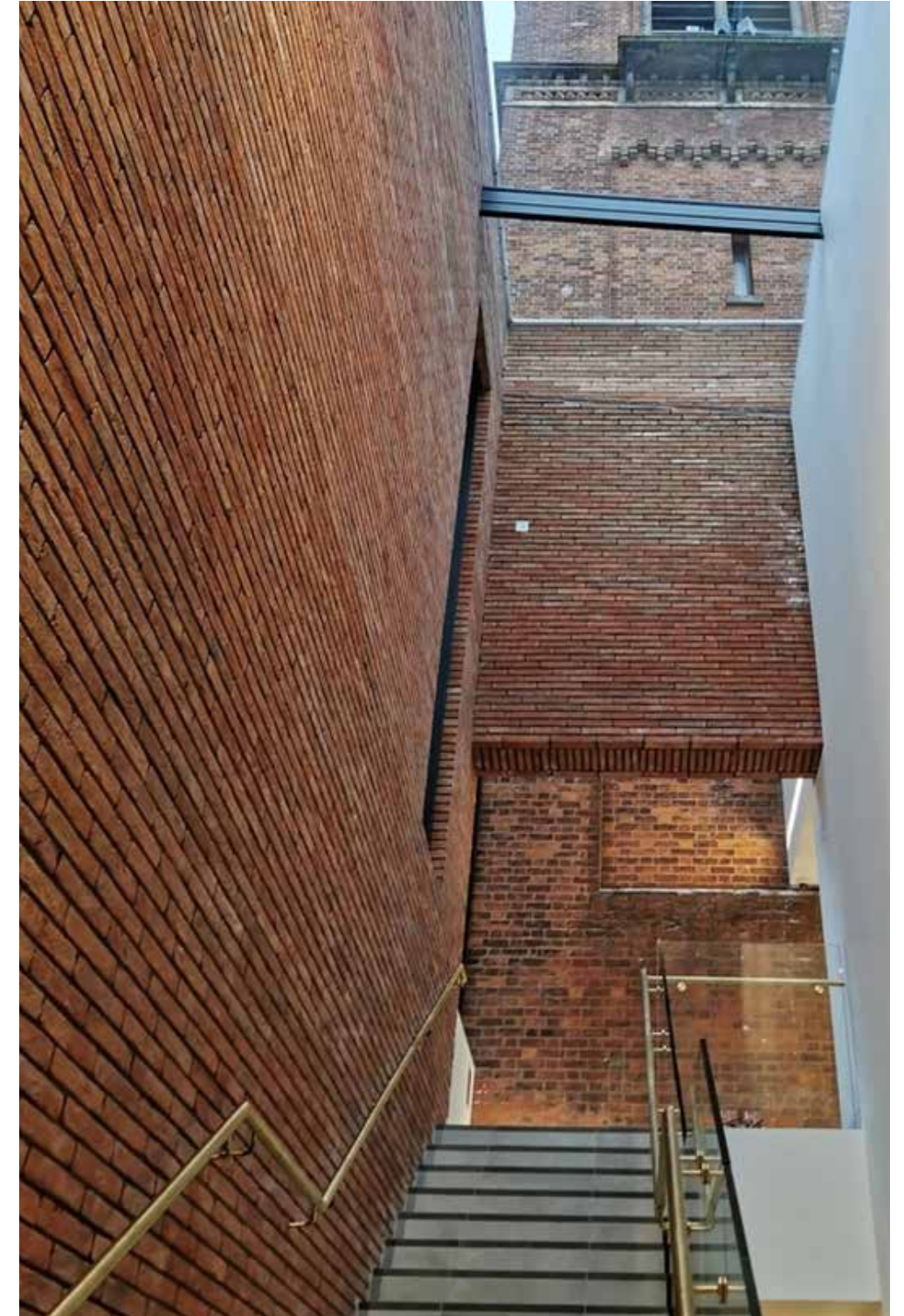
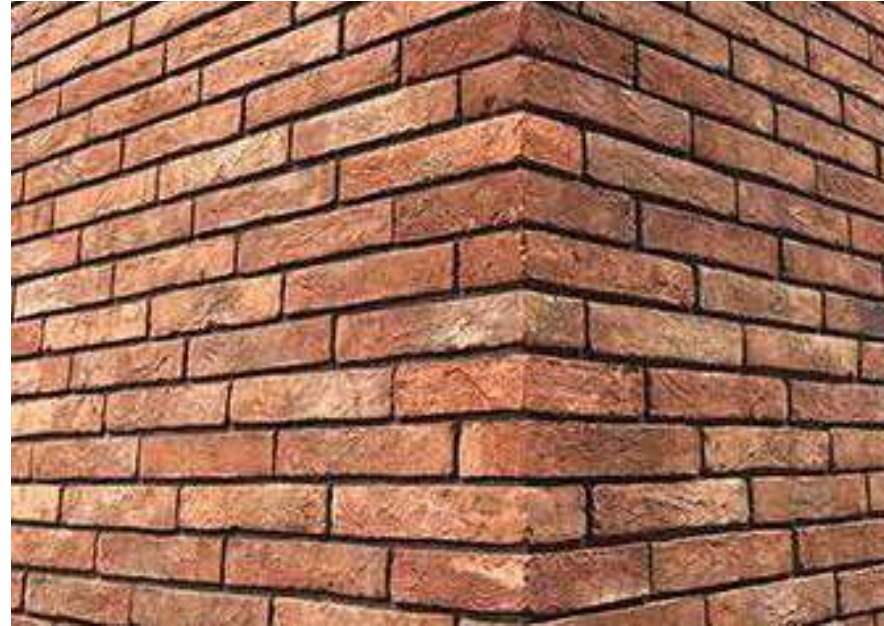
IMPERIAL BESPOKE HANDMADE BRICK PRECEDENT HALLÉ ST. PETER'S OGLESBY CENTRE, MANCHESTER

Whilst not the exact same blend of brick as proposed for Bengal Street, a bespoke combination of 'Weathered Linear' and 'Multi Linear' Imperial brick has previously been used for the construction of the Hallé St. Peter's extension in Manchester.

The handmade bricks selected for the extension were manufactured using traditional methods, and were supplied in a 'Regal Blend' with natural shade variations of red to orange that was created specifically for the project in order to match the clay colour of the existing building and historic surroundings.

Additionally, a wide range of bespoke special shapes were manufactured to realise the project's angular design.

We believe the successful implementation of a bespoke blend of Imperial handmade bricks in this precedent serves to illustrate the benefits of using a similar technique at Bengal Street.



MATERIAL SPECIFICATION

BRICK & MORTAR SELECTION



Imperial 'Weathered Red Multi Linear' bespoke handmade brick

We believe the tonal variation of this unique blend of 'Weathered Red Linear' and 'Red Multi Linear' Imperial brick is soft enough not to give too dark an overall appearance, yet varied enough to echo the planning-approved visuals. The imperfections and inconsistencies across the individual handmade bricks, coupled with the bespoke brick size, will ensure the development's rustic homage to Manchester's traditional red brick.

Bespoke brick dimensions:
288 x 88 x 48mm

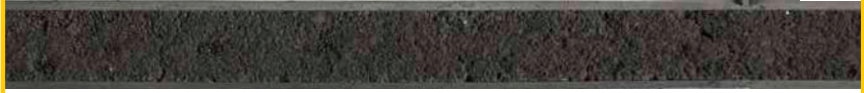
SELECTED BRICK



A 'Natural' mortar sample photos



B 'Glasgow Grey' mortar sample photos



C 'Cambridge Dark Grey' mortar sample photos

Following consideration of a selection of samples, a dark grey mortar was decided upon to emphasise the tones within the chosen brickwork. Additionally, the mortar will be recessed at the horizontal joints and feature flush perpend, so as to accentuate the horizontality of the brick and the building's overall design.

The 8-10mm will be recessed to a minimum of 10mm or 20mm, subject to review on the mockup sample panels.

SELECTED MORTAR



Planning-approved visual

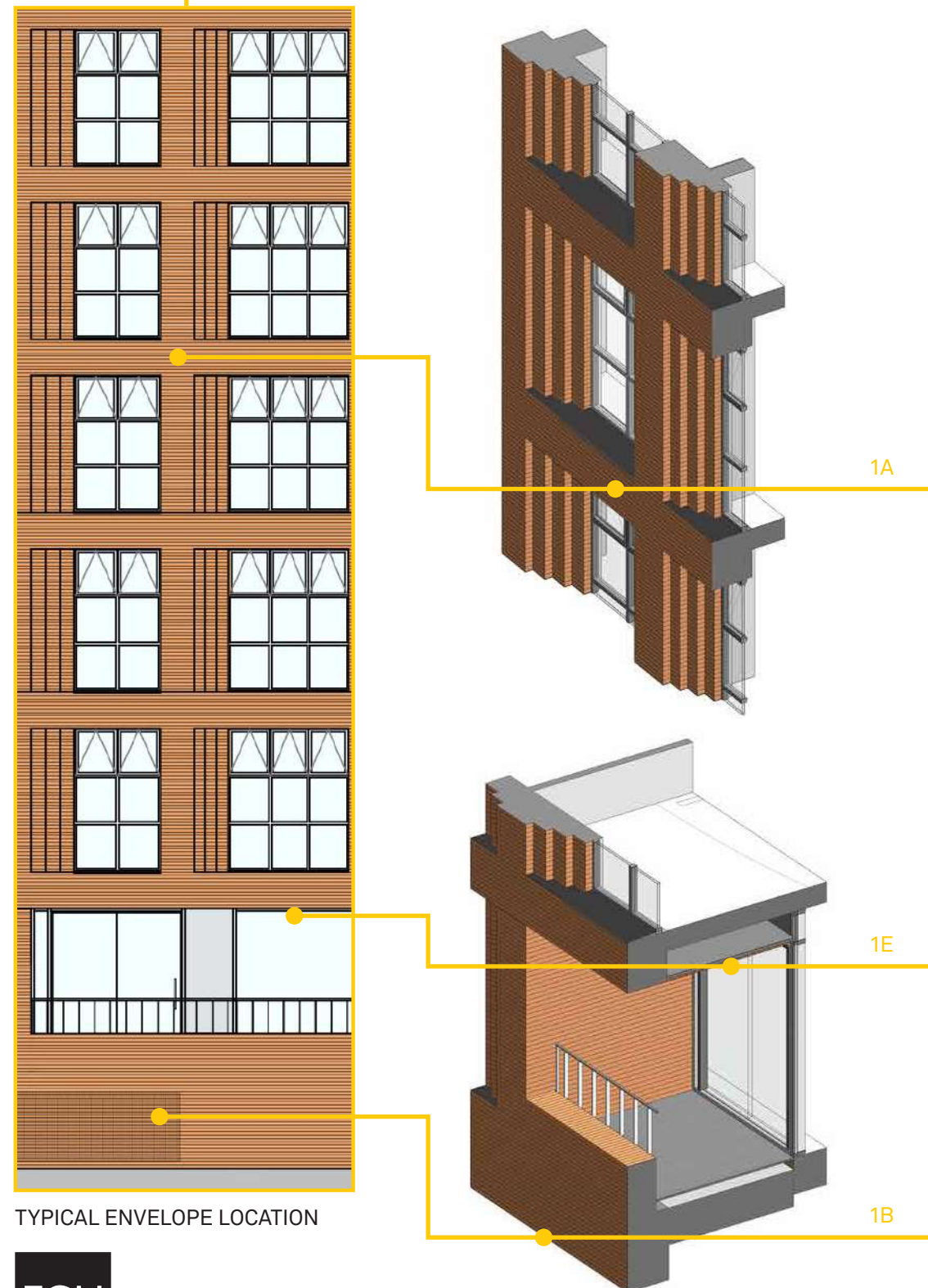
MATERIAL SPECIFICATION, PRECEDENT IMAGES, & FACADE DETAIL

- 1 IMPERIAL BESPOKE BRICK
- 2 WINDOW SYSTEM
- 4 STEEL FEATURE ENTRANCE

MATERIAL SPECIFICATION & PRECEDENT IMAGES

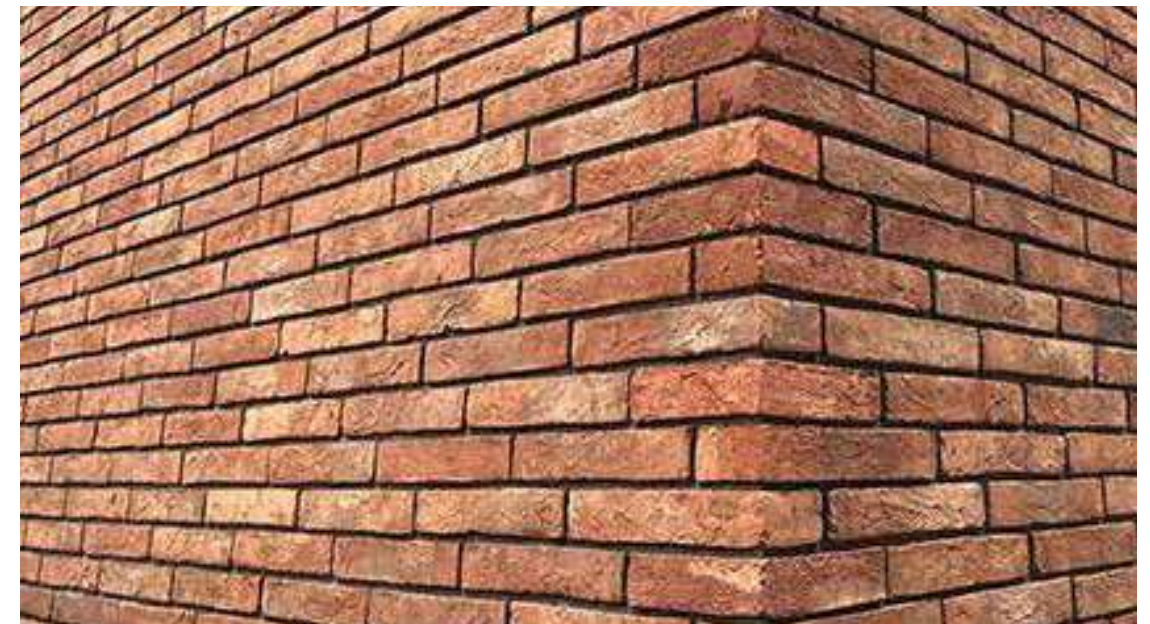
1 IMPERIAL BESPOKE HANDMADE BRICK

SOUTH ELEVATION



TYPICAL ENVELOPE LOCATION

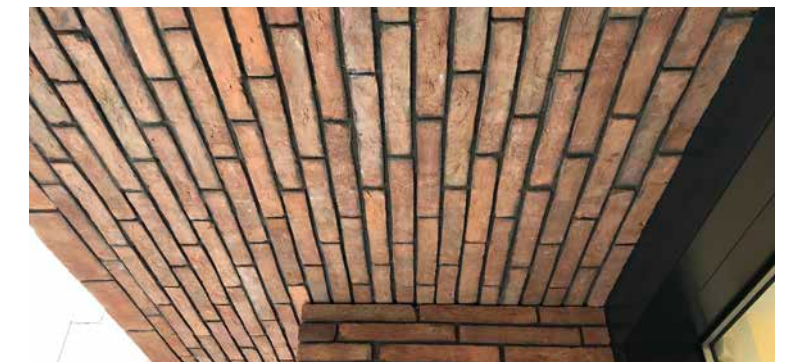
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Mortar: Dark grey recessed horizontal joints with flush perpends
A Bond: Stretcher



- B Bond: Stretcher hit-and-miss (for ventilation to Lower Ground Floor)
OR
Perforated metal panel (colour to match brickwork)



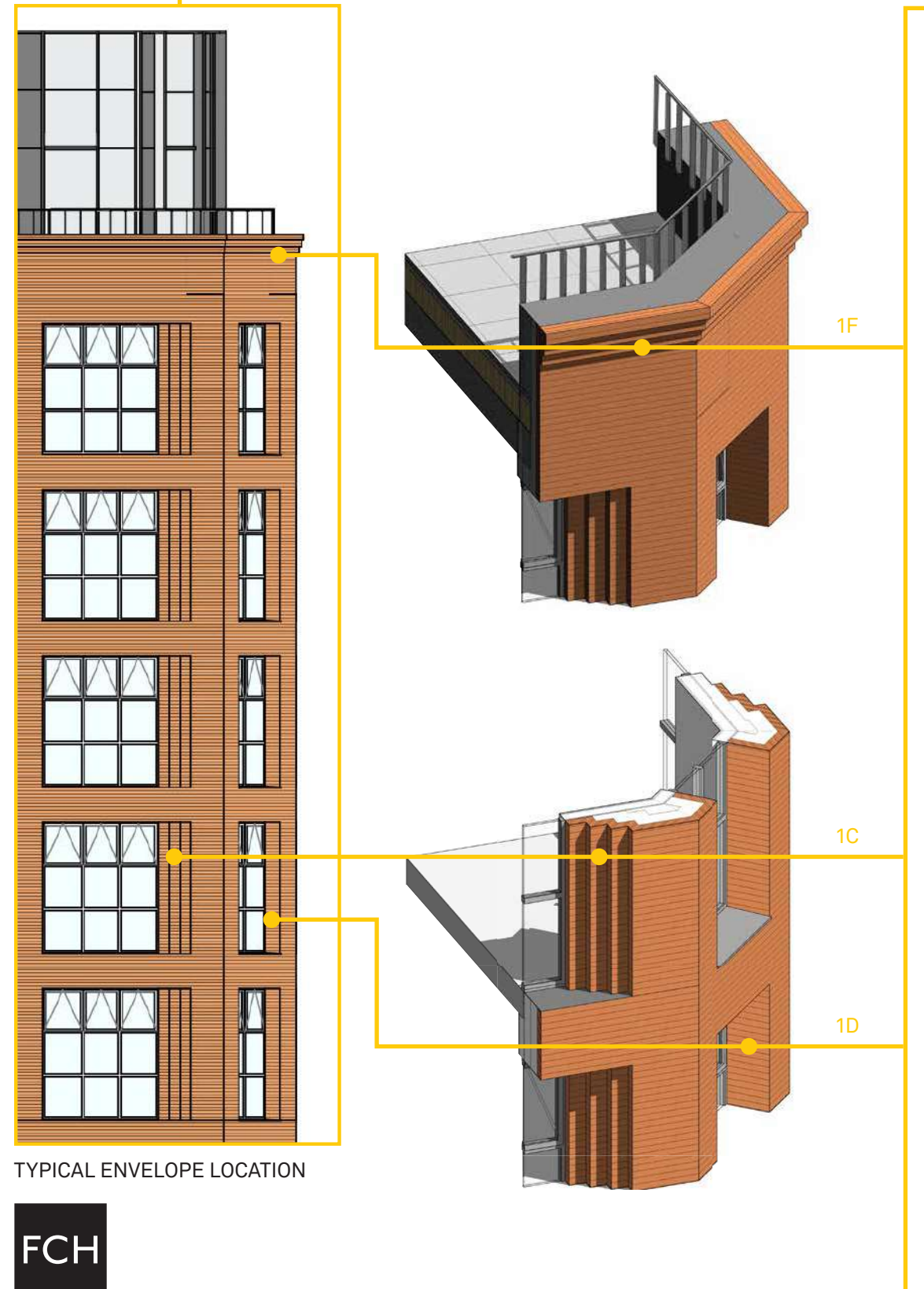
- E Bond: Stetcher (soffit)



MATERIAL SPECIFICATION & PRECEDENT IMAGES

1 IMPERIAL BESPOKE HANDMADE BRICK

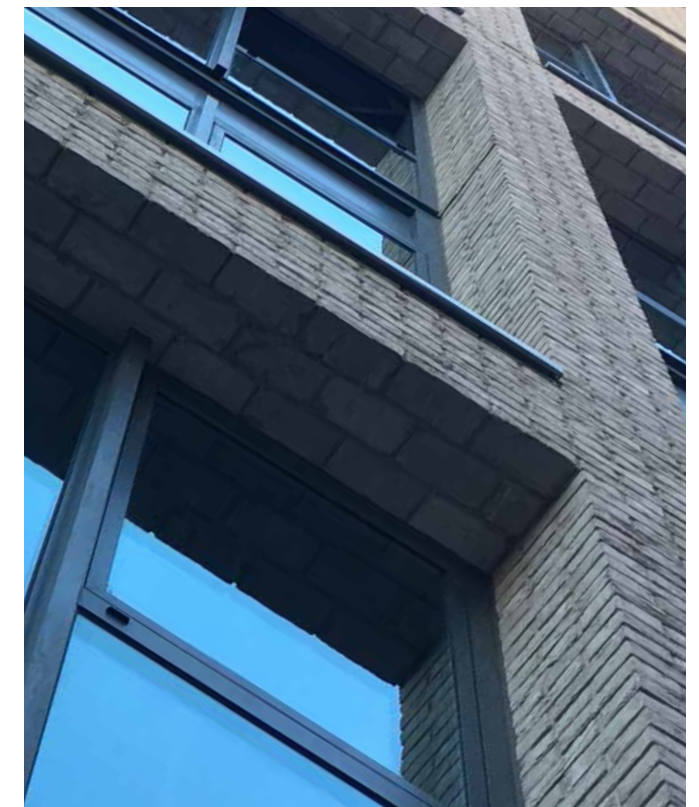
SOUTH ELEVATION



- 1 Imperial bespoke handmade brick
 - Colour: 'Weathered Red Multi Linear'
 - Dimensions: 288 x 88 x 48mm
 - Mortar: Dark grey recessed horizontal joints with flush perpends
 - C Bond: Soldier (stepped window reveals)



D Bond: Stretcher (window reveals)



F Bond: Stretcher (corbel detail)

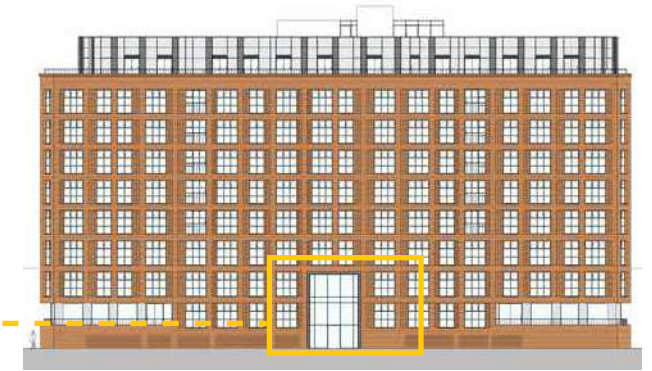


TYPICAL ENVELOPE LOCATION

MATERIAL SPECIFICATION & PRECEDENT IMAGES

- 2 ALUPROF MB-SLIMLINE WINDOW SYSTEM
- 4 EXPRESSED STEEL FEATURE ENTRANCE

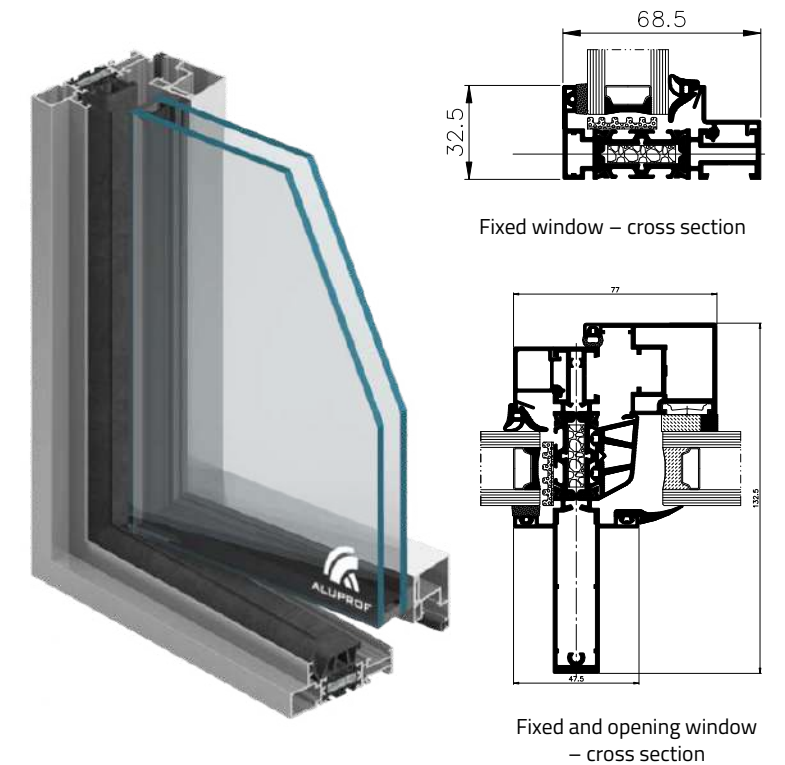
SOUTH ELEVATION



TYPICAL ENVELOPE LOCATION



- 2 Aluprof MB-Slimline window system
Glazing: Clear
Frame: Black



- 4 Expressed steel feature entrance with steel cladding reveal
Colour: PPC Dark Grey
Finish: Matt



FACADE INTERFACE DETAILS

TYPICAL WINDOW BAY

- 1

Imperial bespoke handmade brick
Colour: 'Weathered Red Multi Linear'
Dimensions: 288 x 88 x 48mm
Mortar: Dark grey recessed horizontal joints with flush perpend
Note: recess to be reviewed on mockup panel.
Both 10 and 20mm examples.

A

Bond: Stretcher

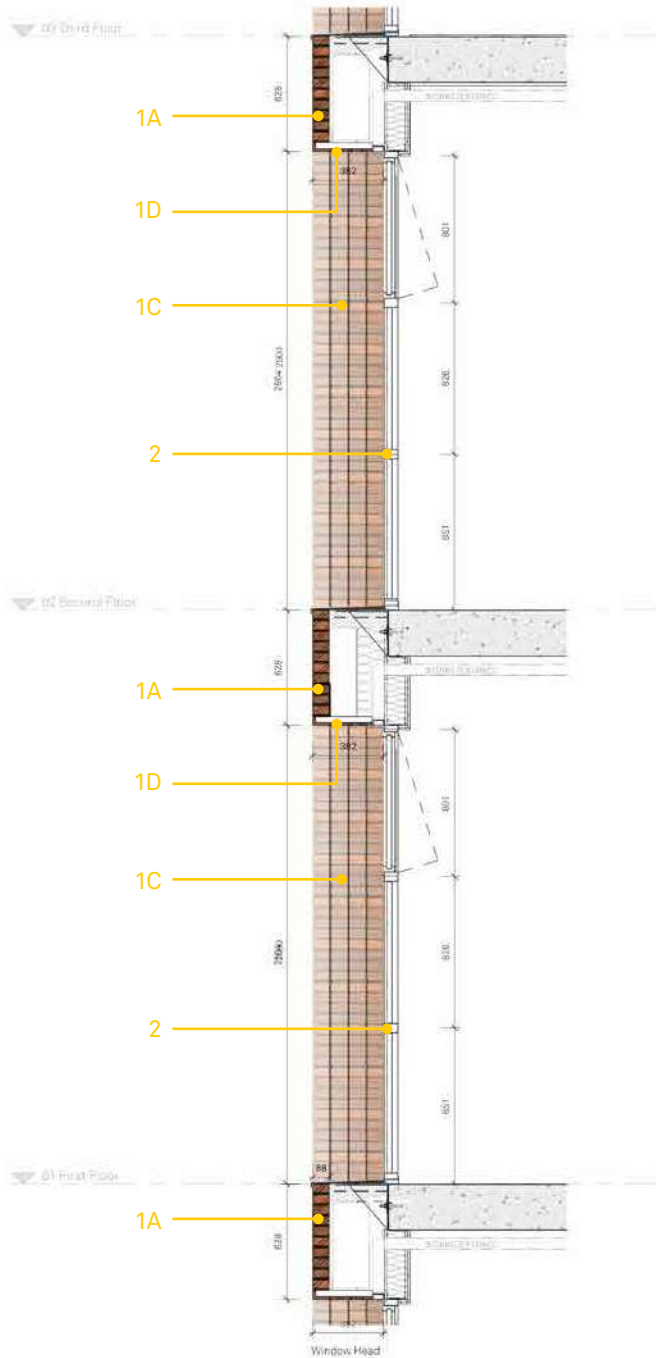
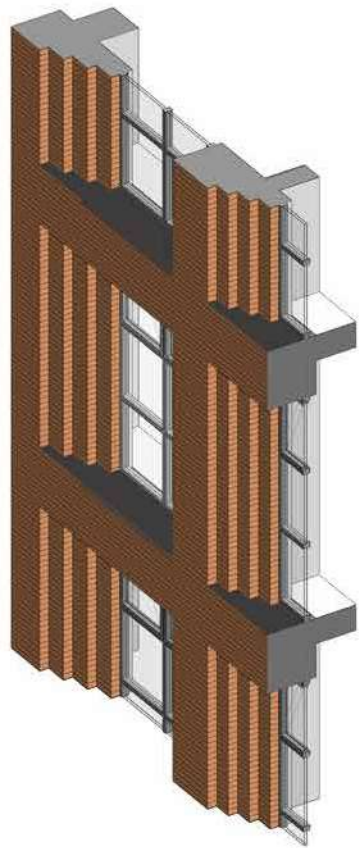
C

Bond: Soldier (stepped window reveals)

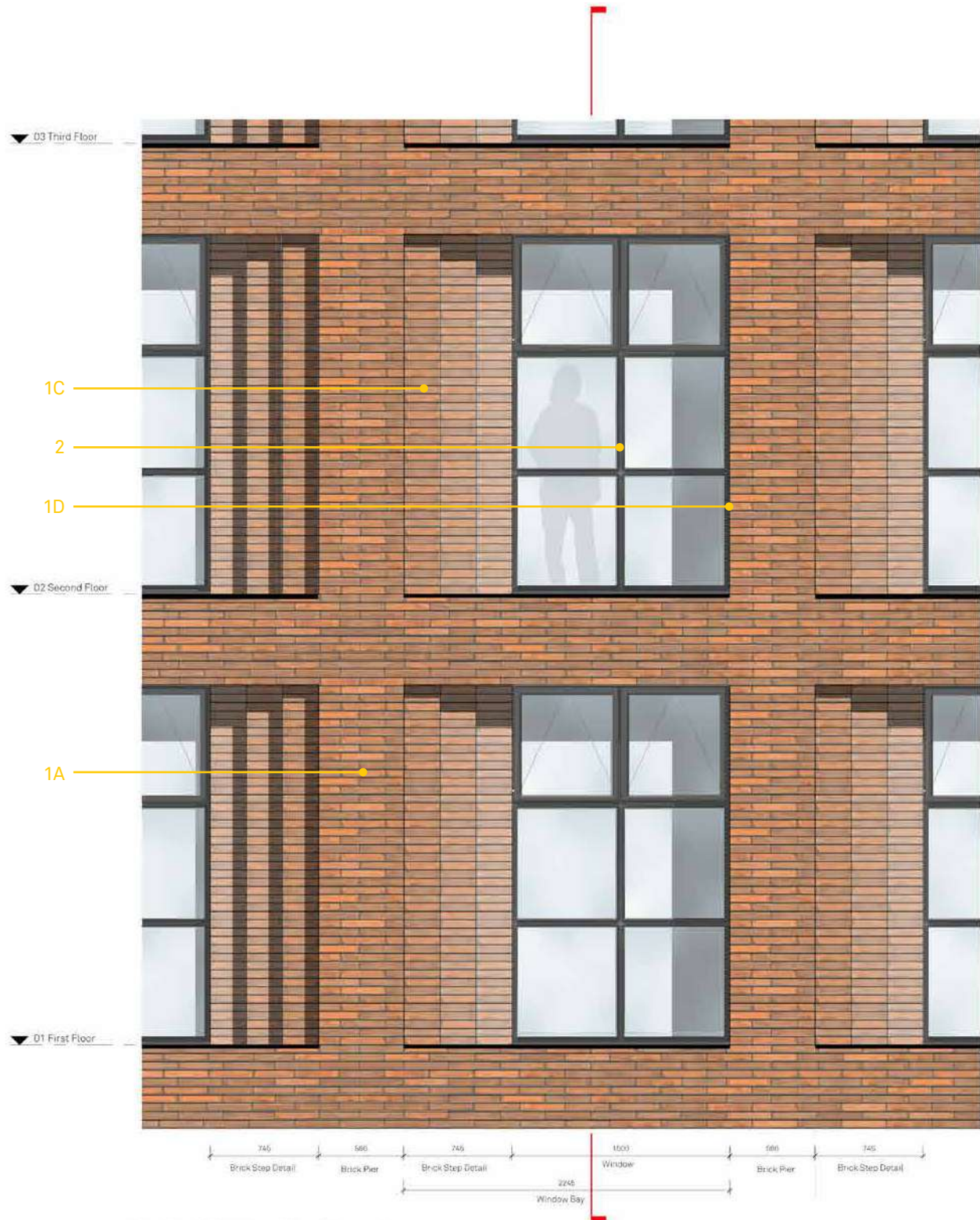
D

Bond: Stretcher (window reveals)
- 2

Aluprof MB-Slimline window system
Glazing: Clear



TYPICAL SECTION



TYPICAL ELEVATION

MATERIAL SPECIFICATION, PRECEDENT IMAGES, & FACADE DETAIL

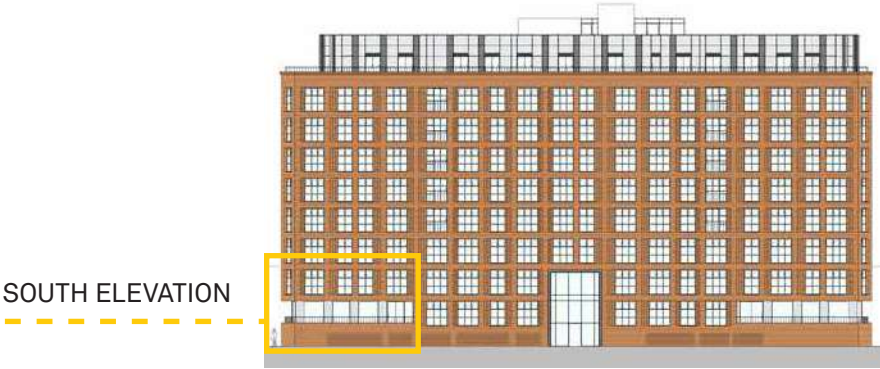
3A CURTAIN WALLING SYSTEM

5 EXPOSED CONCRETE COLUMNS

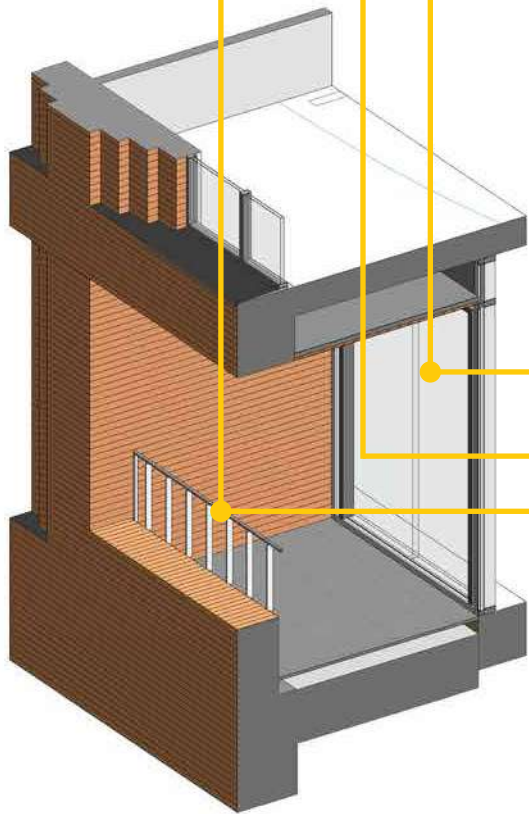
7 METAL BALUSTRADING

MATERIAL SPECIFICATION & PRECEDENT IMAGES

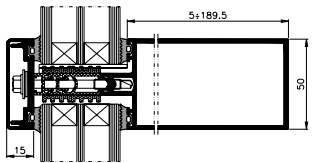
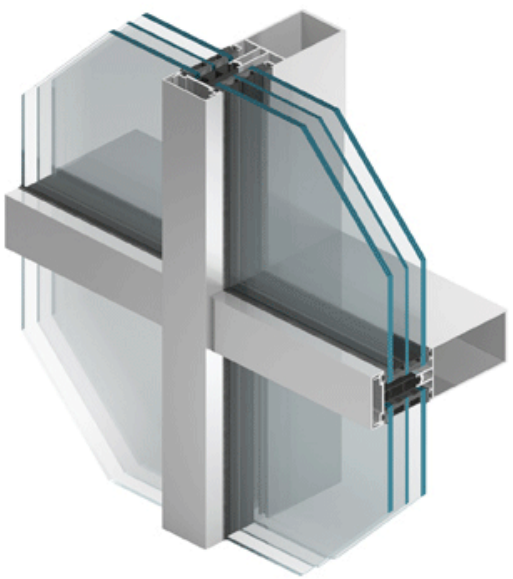
- 3A ALUPROF MB-SR50N CURTAIN WALLING SYSTEM
- 5 EXPOSED STRUCTURAL CONCRETE COLUMNS
- 7 METAL FLAT PLATE BALUSTRADING



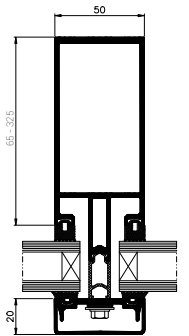
TYPICAL ENVELOPE LOCATION



- 3 Aluprof MB-SR50N curtain walling system (Ground Floor offices & main entrance)
 - A Glazing: Clear & black opaque ceramic
 - Joints: Horizontal & vertical standard cap
 - Finish: Dark Grey



Transom – cross-section



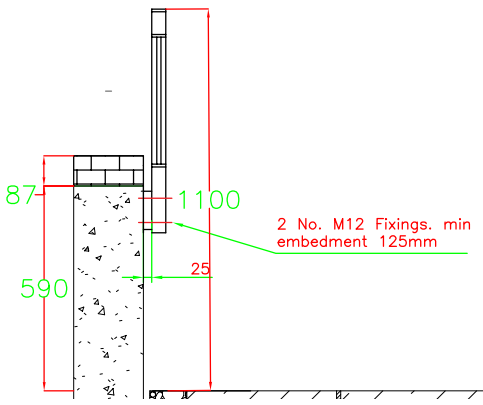
Mullion – cross-section

- 5 Exposed structural concrete columns (Ground Floor terrace)
Finish: Smooth Natural



- 7 Metal flat plate balustrading (Ground Floor terrace)
Colour: Black

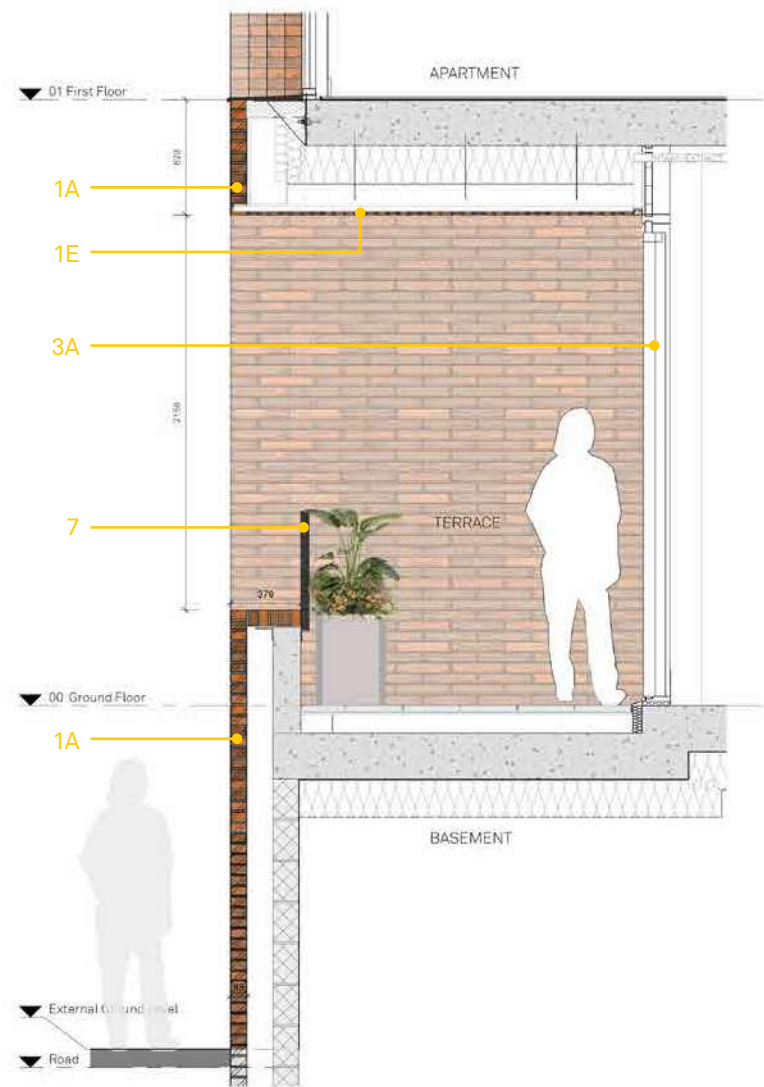
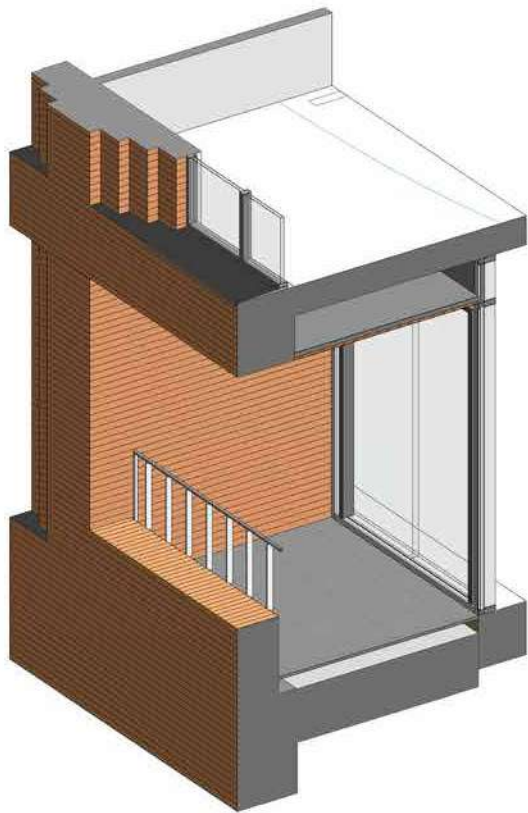
Ground Floor Balcony Rails Section



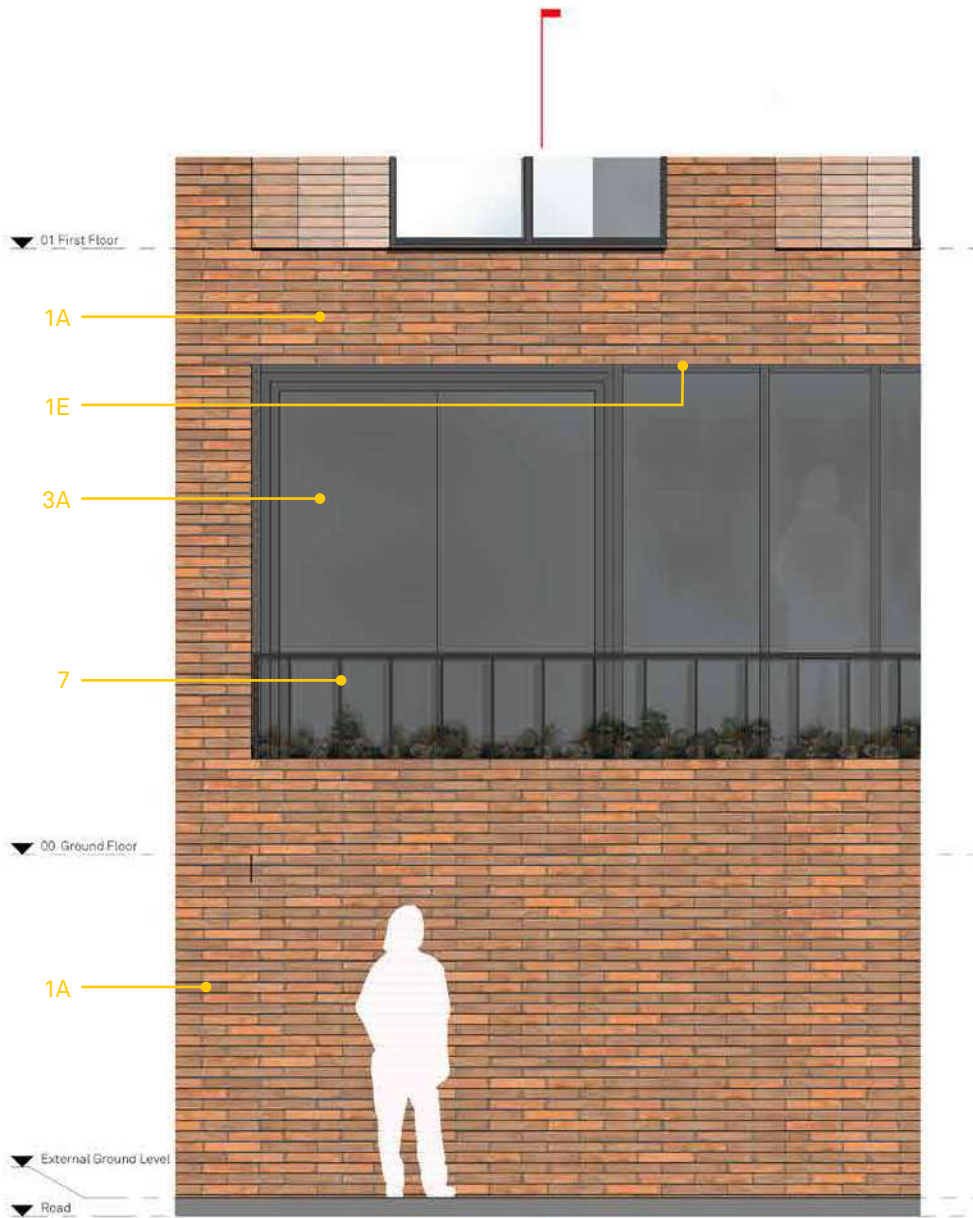
FACADE INTERFACE DETAILS

TYPICAL SOFFIT

- 1 Imperial bespoke handmade brick
Colour: 'Weathered Red Multi Linear'
Dimensions: 288 x 88 x 48mm
Mortar: Dark grey recessed horizontal joints with flush perpend
A Bond: Stretcher
E Bond: Stretcher (soffit)
- 3 Aluprof MB-SR50N curtain walling system
A Glazing: Clear & dark grey opaque ceramic
Joints: Horizontal & vertical capped, Dark Grey
Fins: N/A
- 7 Metal flat plate balustrading
Colour: Black



TYPICAL SECTION



TYPICAL ELEVATION

MATERIAL SPECIFICATION, PRECEDENT IMAGES, & FACADE DETAIL

3B CURTAIN WALLING SYSTEM

6 RAINSCREEN CLADDING SYSTEM

7 METAL FLAT BALUSTRADING

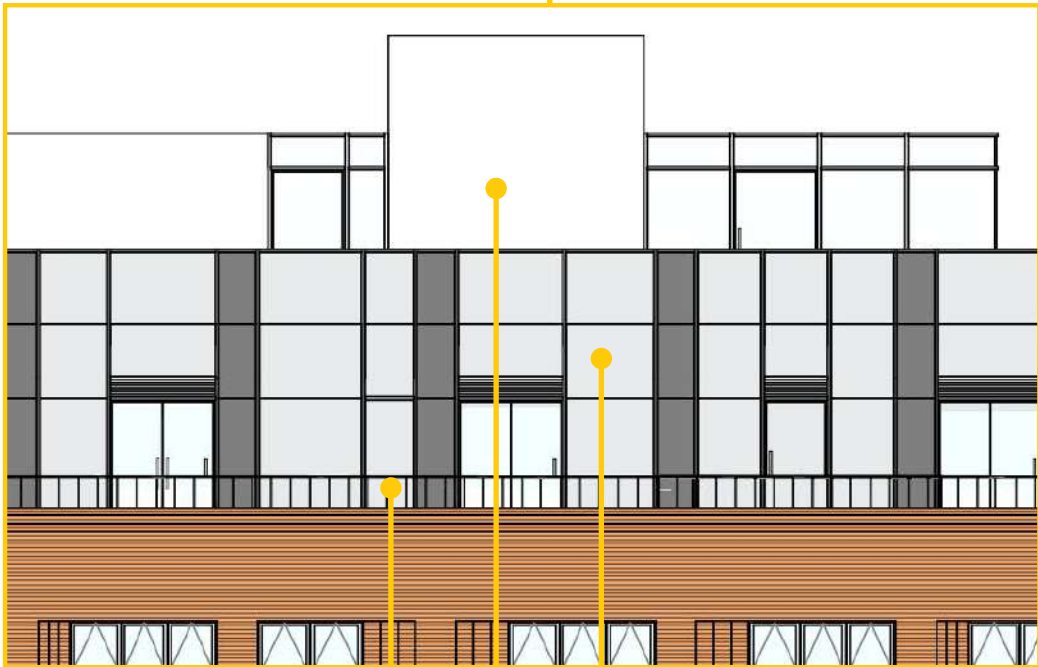
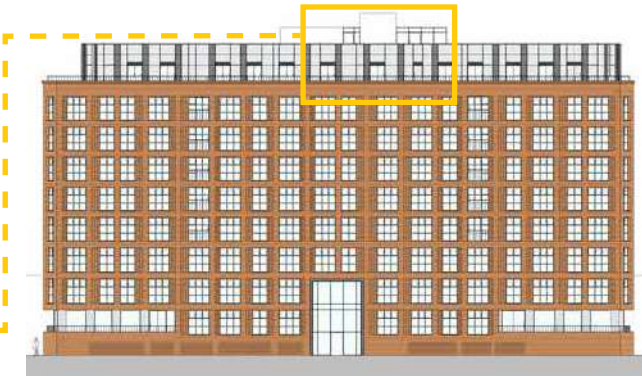
LEVEL 09 ROOF AND LEVEL 08

TERRACE

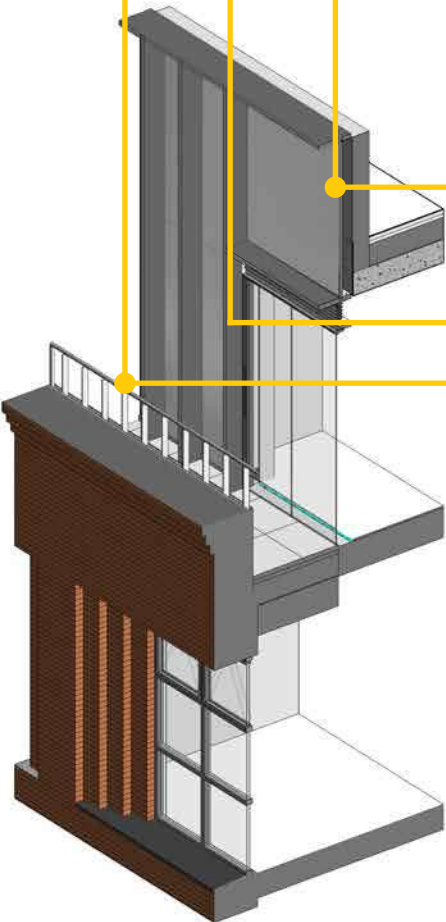
MATERIAL SPECIFICATION & PRECEDENT IMAGES

- 3B ALUPROF MB-SR50N CURTAIN WALLING SYSTEM
- 6 RAINSCREEN CLADDING SYSTEM
- 8 GLAZED BALUSTRADING

SOUTH ELEVATION



TYPICAL ENVELOPE LOCATION



- 3 Aluprof MB-SR50N curtain walling system (8th Floor facade)
 - B Glazing: Clear, black opaque ceramic above brick piers below, dark grey opaque ceramic between 'piers'
 - Joints: Horizontal expressed cap at head, vertical capped, black
 - Fins: Expressed 250mm, Dark Grey



- 6 Rainscreen cladding system (Roof level lift & stair overrun)
 - Colour: PPC Dark Grey
 - Finish: Matt
- 7 On site Stair Railing example and Parapet Railing Elevation

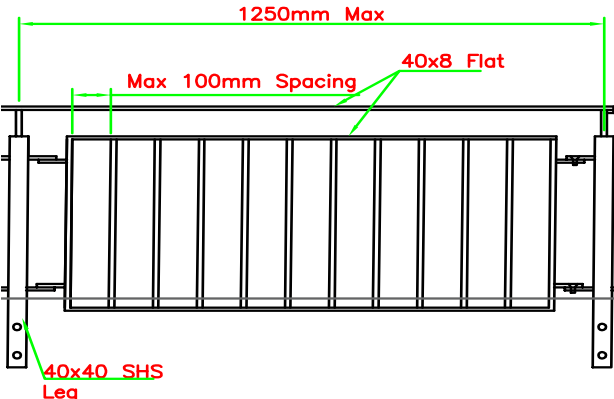


Note:
The rainscreen at Level 08 echoing the brick piers below as indicated on the approved drawings has been subsumed into the continuous curtain walling at this level. We believe this will result in a more cohesive aesthetic, allowing Level 08 to more closely resemble the Ground Floor.

When also taking into account the recessed windows throughout, the overall result will be the impression of a fully-glazed building that has been hewn from the surrounding masonry.



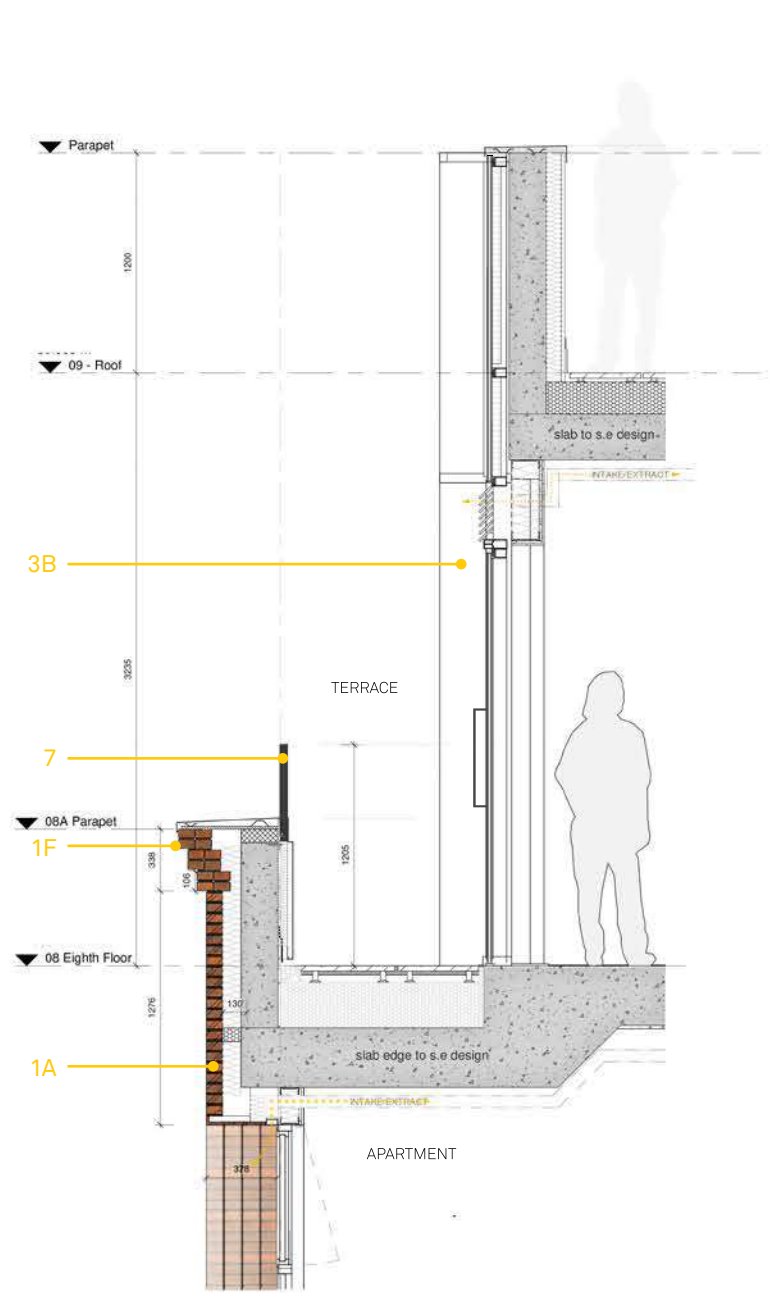
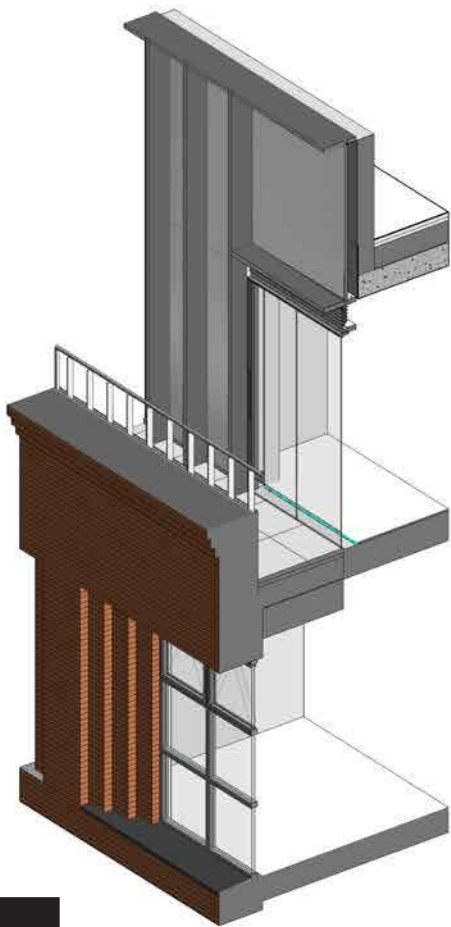
Dark grey opaque glazed panel sample photo



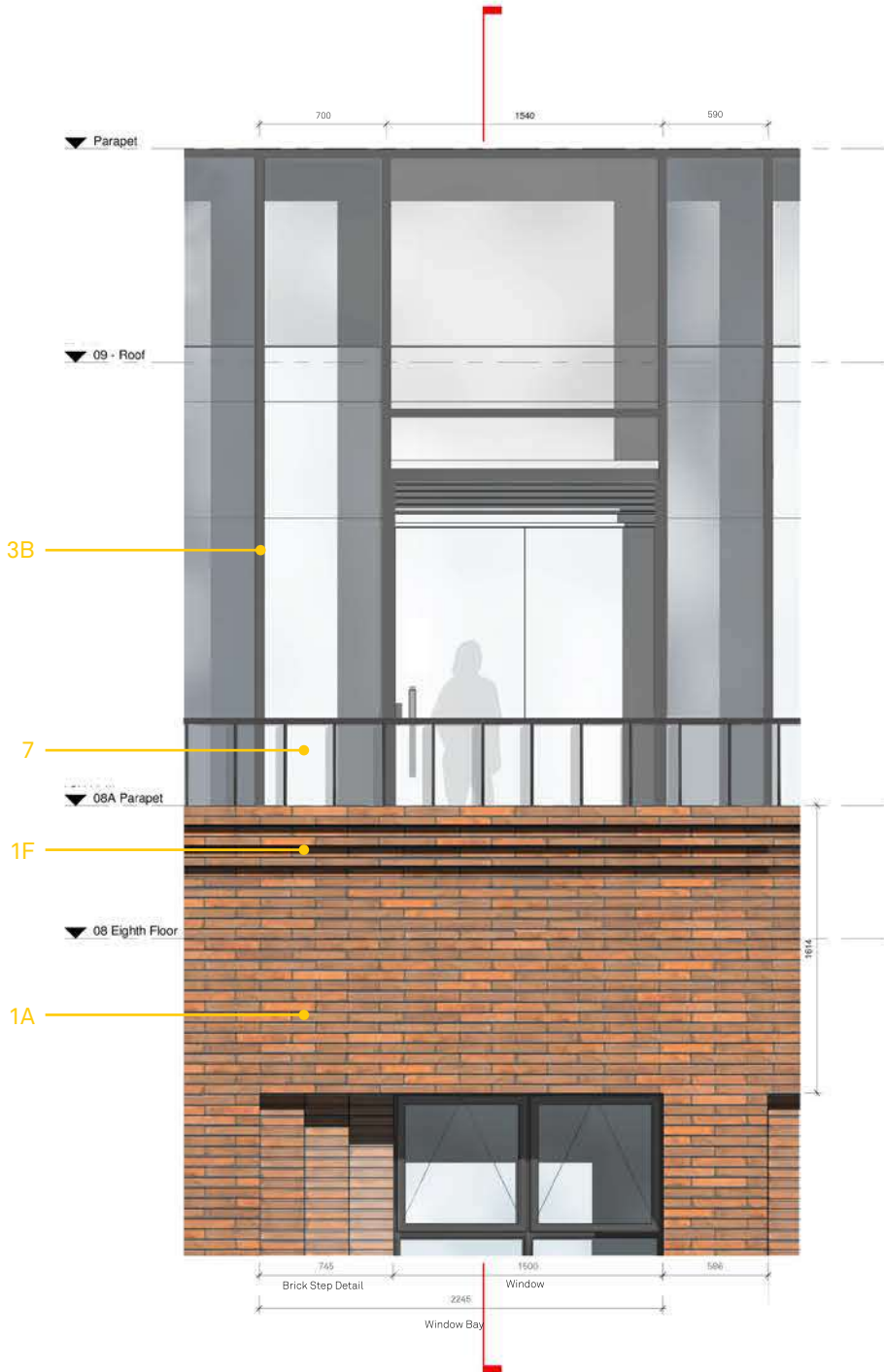
FACADE INTERFACE DETAILS

TYPICAL PARAPET

- 1 Imperial bespoke handmade brick
Colour: 'Weathered Red Multi Linear'
Dimensions: 288 x 88 x 48mm
Mortar: Dark grey recessed horizontal joints with flush perpend
A Bond: Stretcher
F Bond: Stretcher (corbel detail)
- 3 Aluprof MB-SR50N curtain walling system
B Glazing: Clear, black opaque ceramic above brick piers below, dark grey opaque ceramic between piers
Joints: Horizontal expressed cap at head, vertical capped, black
Fins: Expressed 250mm, Dark Grey
- 7 Metal flat plate balustrading
Colour: Black

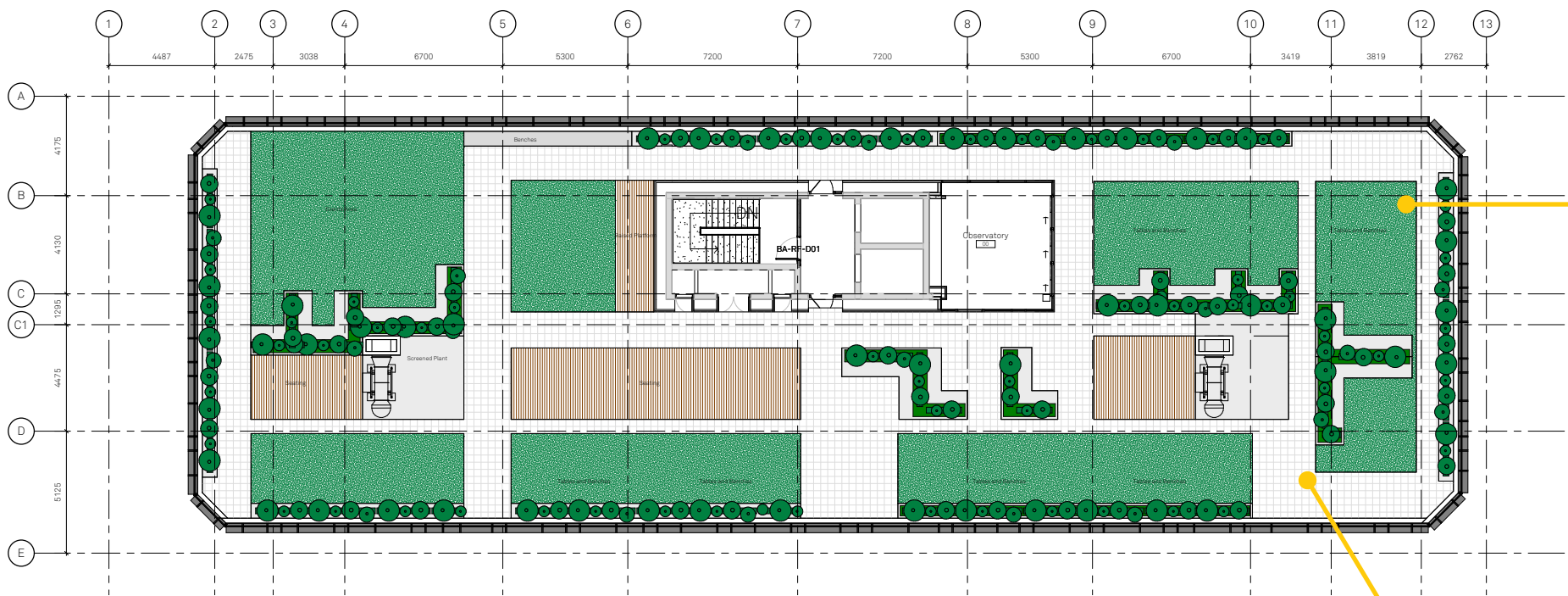


TYPICAL SECTION

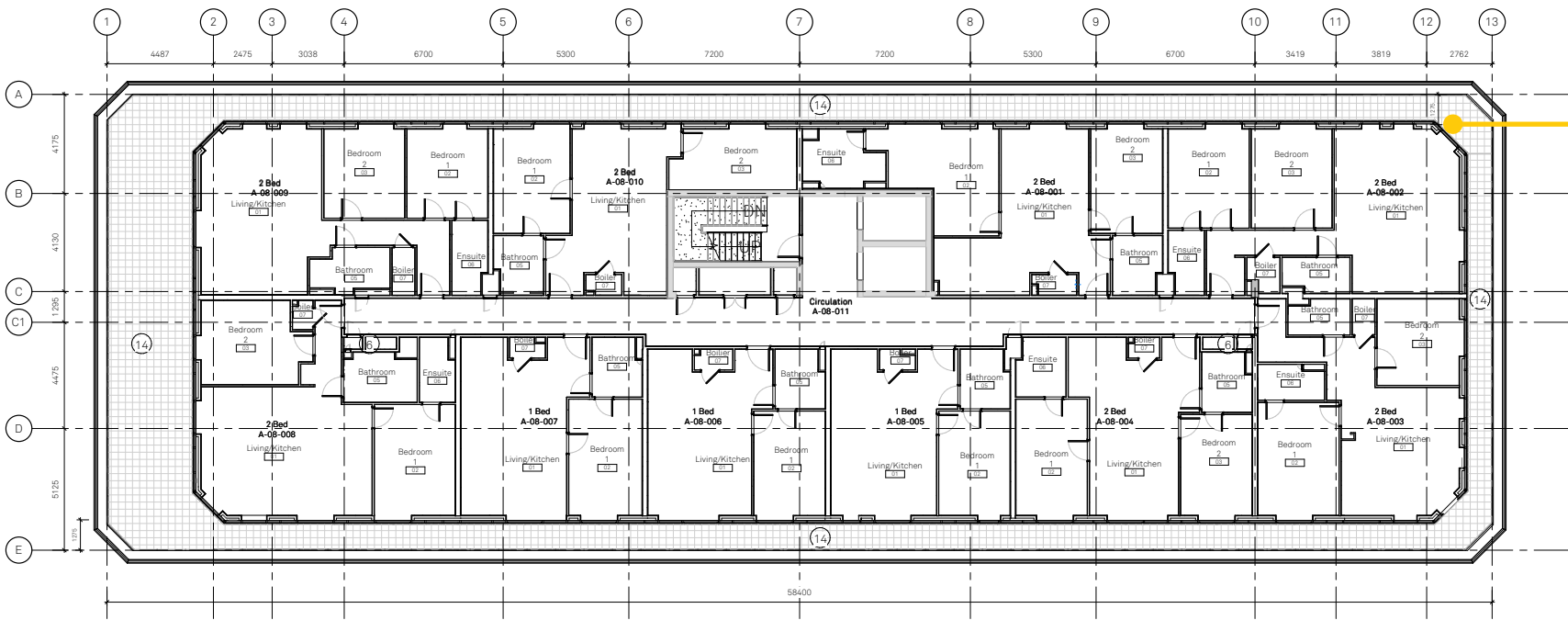


TYPICAL ELEVATION

LEVEL 09 ROOF AND LEVEL 08 TERRACE



Level 09- Roof plan



Level 08- Terrace Floor Plan



ARTIFICIAL GRASS
25mm OF Premium Artificial Grass
Yarn Count (Dtex): PE monoilament 8800+PP curl 4400Dtex
Yarn Height (mm): 25(+3%)
Drainage Hole Diameter (mm): 5
Total Weight (g/m2): 3000 (+5%)
Colours: Green 4-Tone

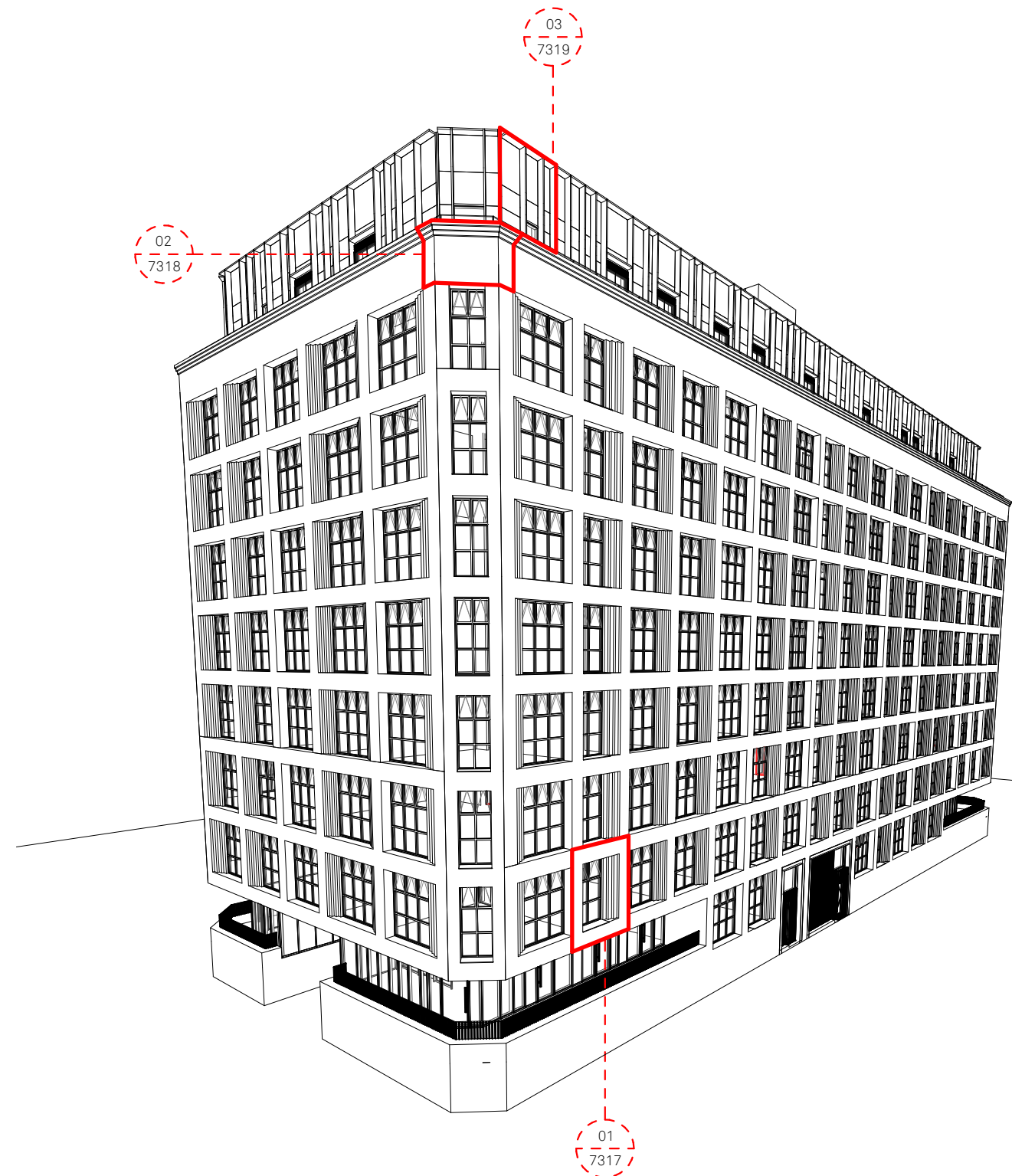


EXTERNAL TILE
20mm thick 60.5 x 60.5 external porcelain tile, Calacatta marble effect in matt.
Dry- pressed ceramic tiles, with low water absorption.
Reaction to Fire: A1_{FL}/A1
Breaking Strength: >1 300 N
Slipperiness: NPD
Tactility: NPD
Thermal shock resistance: Pass
Durability for:
Internal use: Pass
External use: Freeze-thaw resistance: Pass



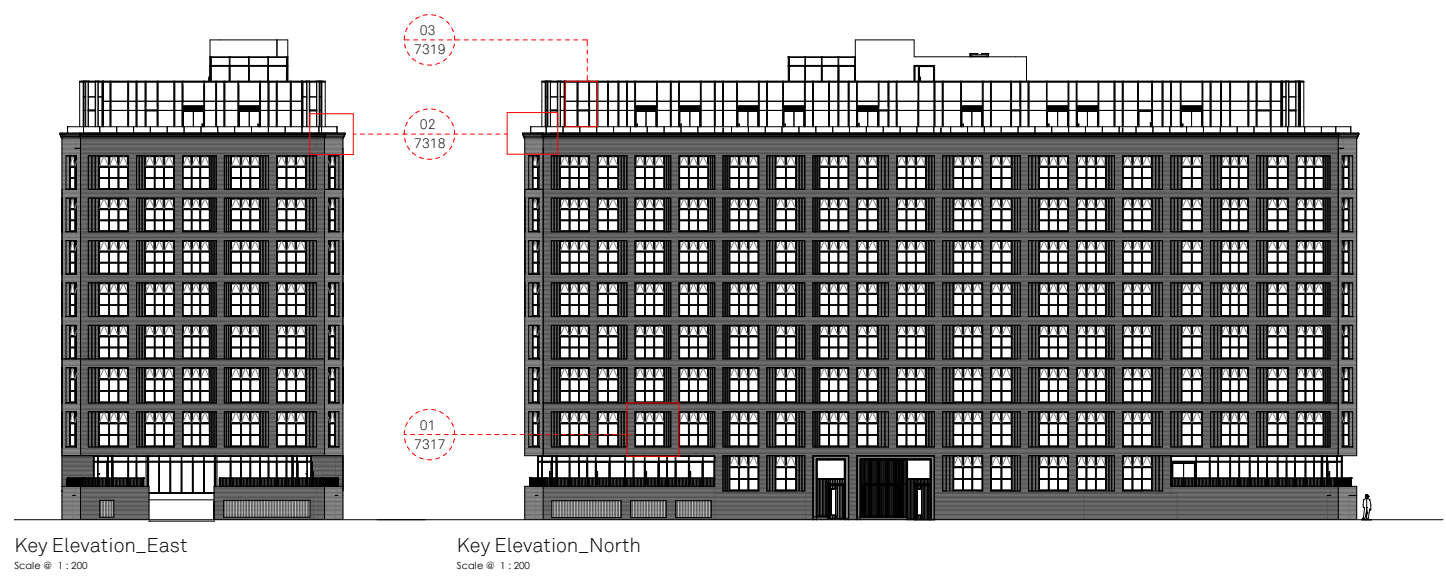
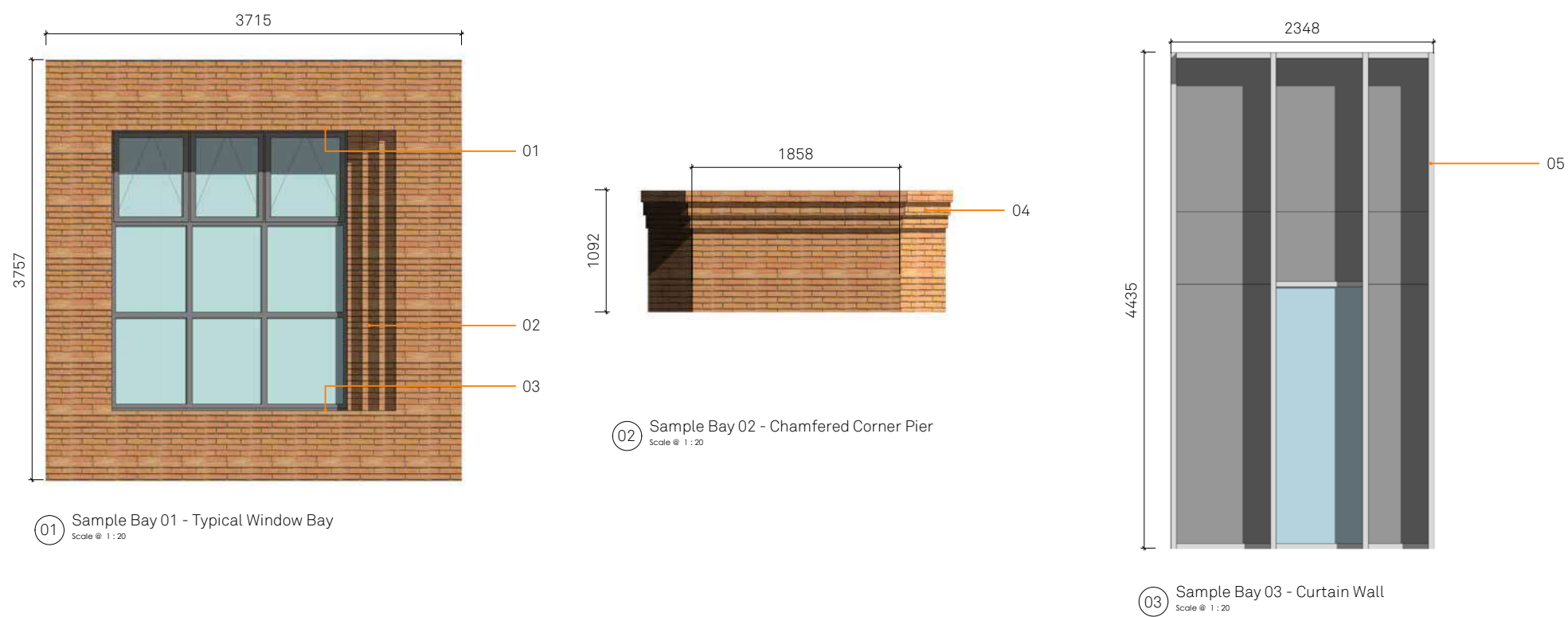
FACADE INTERFACE DETAILS

SAMPLE BAY LOCATION - 3D VIEW



FACADE INTERFACE DETAILS

SAMPLE BAY LOCATIONS



FACADE INTERFACE DETAILS

SAMPLE BAY 01 - TYPICAL WINDOW BAY

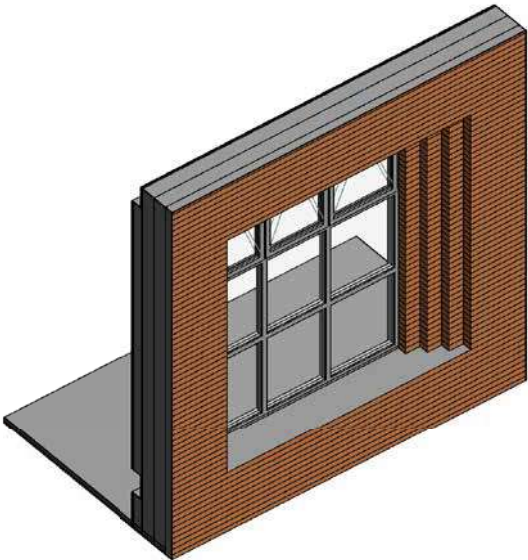
01 Window Reveal

Imperial bespoke handmade brick
Colour: 'Weathered Red Multi Linear'
Dimensions: 288 x 88 x 48mm
Mortar: Dark grey recessed horizontal joints with flush
perpend
Bond: Stretcher (soffit)
Recess: 10 or 20mm subject to mockup review

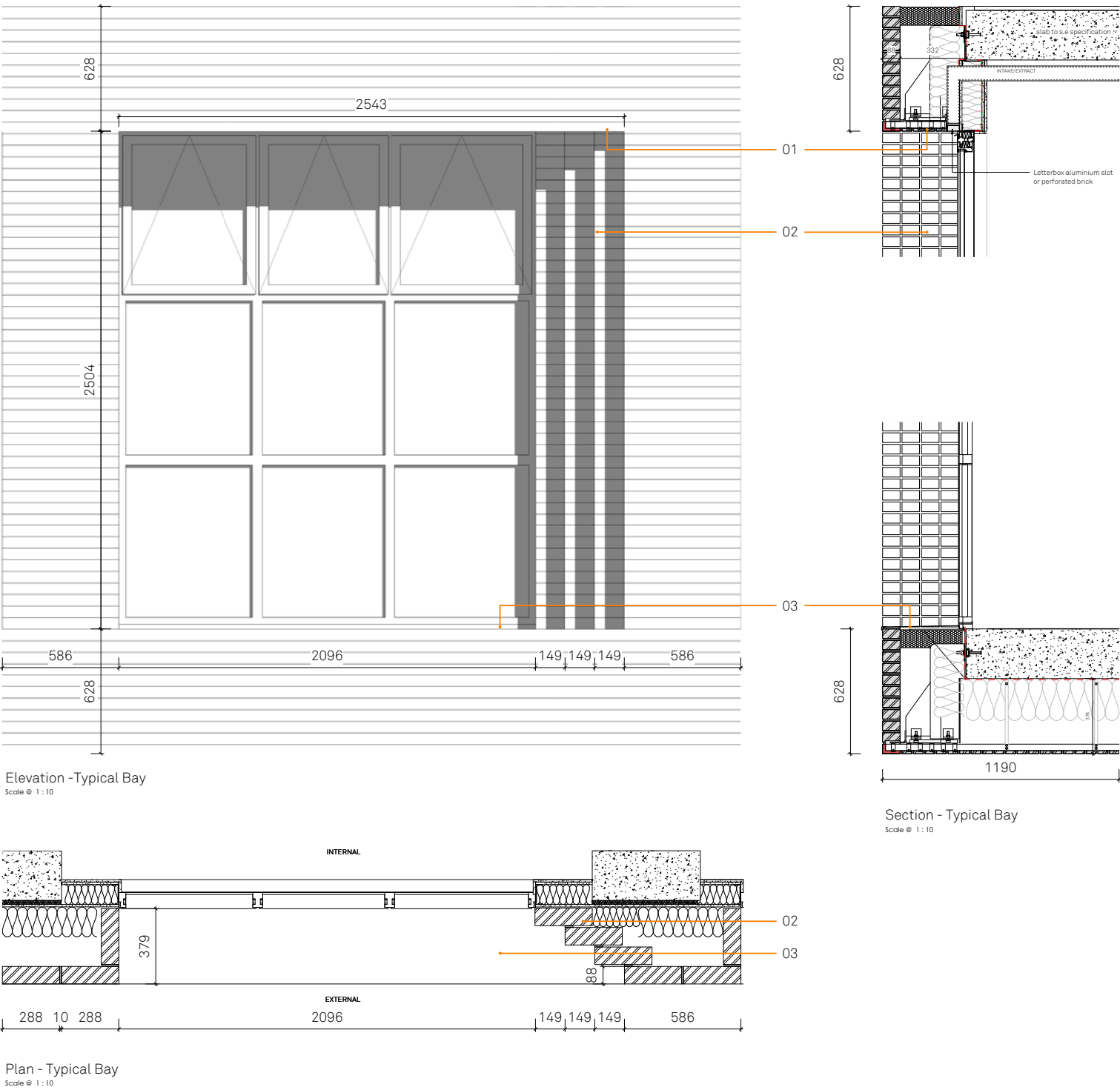
02 Stepped Window Reveal

Imperial bespoke handmade brick
Colour: 'Weathered Red Multi Linear'
Dimensions: 288 x 88 x 48mm
Mortar: Dark grey recessed horizontal joints with flush
perpend
Bond: Soldier (stepped window reveals)
Recess: 10 or 20mm subject to mockup review

03 Pressed Aluminium Cill

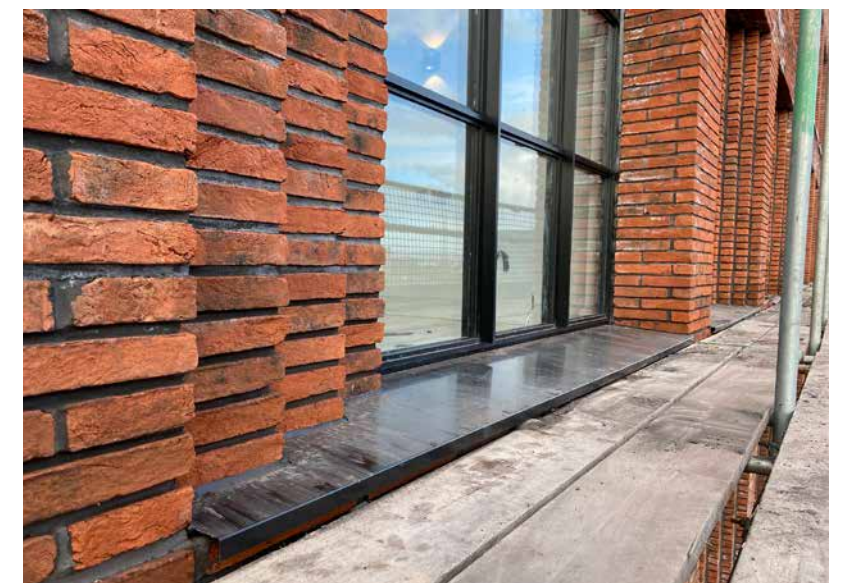
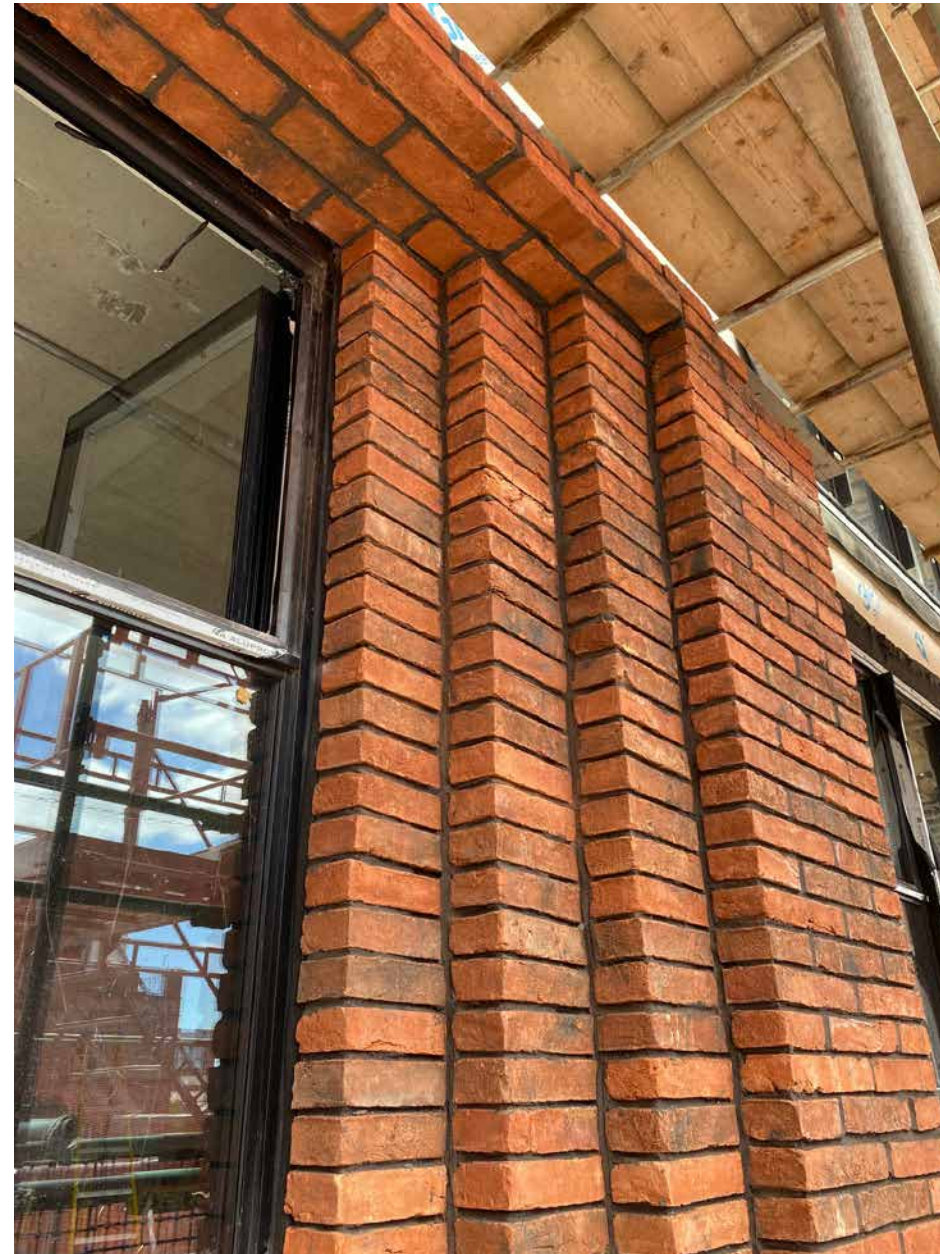
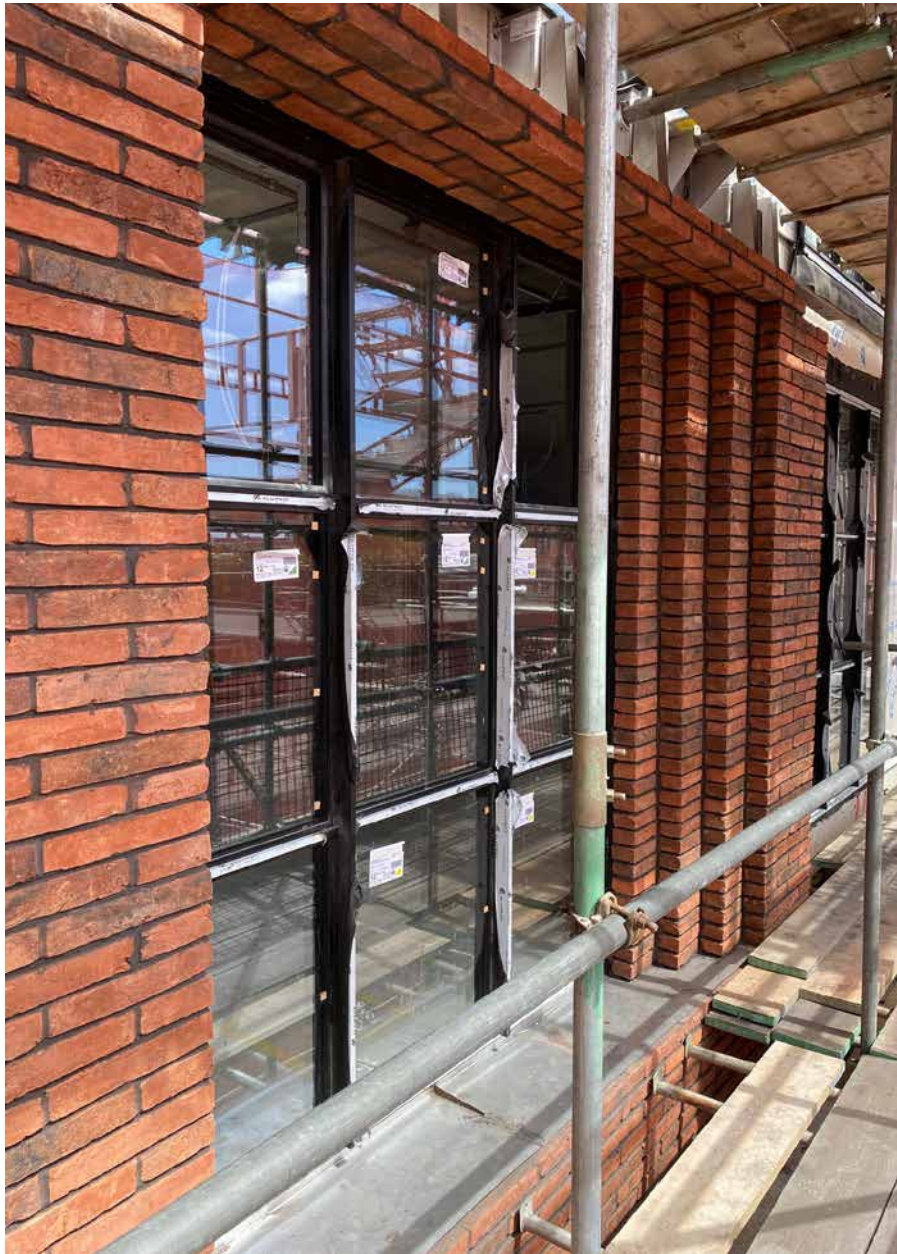


3D View - typical Window Bay



FACADE INTERFACE DETAILS

SAMPLE BAY 01 - TYPICAL WINDOW BAY

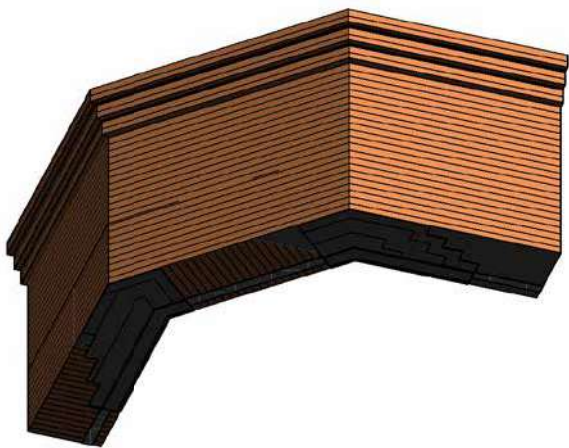
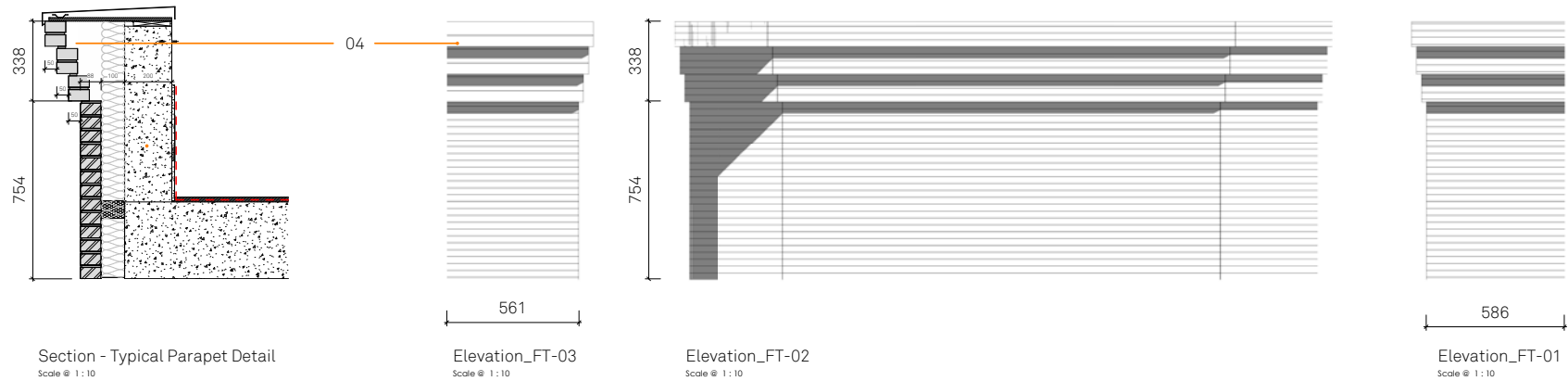


FACADE INTERFACE DETAILS

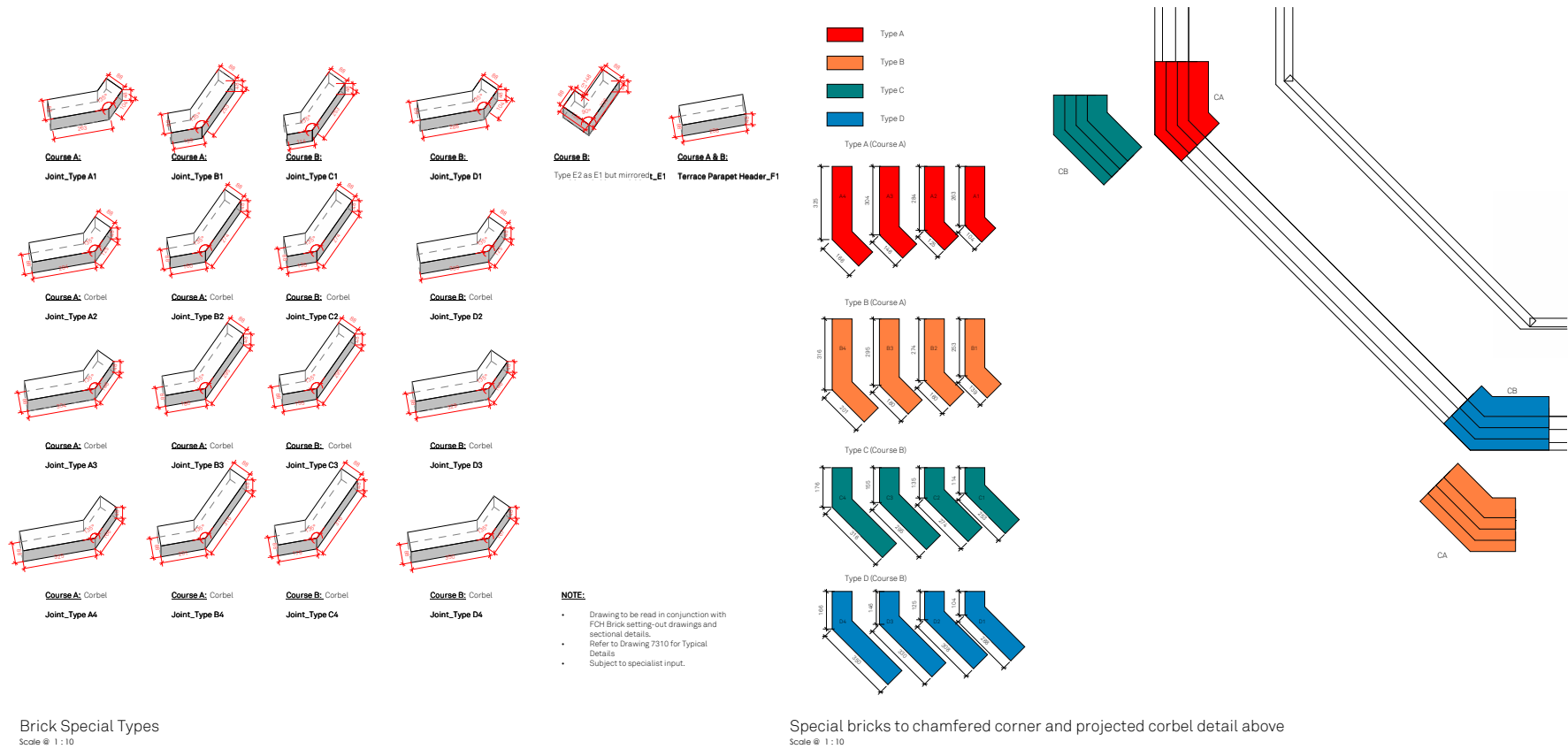
SAMPLE BAY 02 - CHAMFERED CORNER AND CORBEL DETAIL

04 Corbel Detail

Imperial bespoke handmade brick
Colour: 'Weathered Red Multi Linear'
Dimensions: VARY as per detail
Mortar: Dark grey recessed horizontal joints with flush perpend
Bond: Stretcher (corbel detail)
Recess: 10 or 20mm subject to mockup review

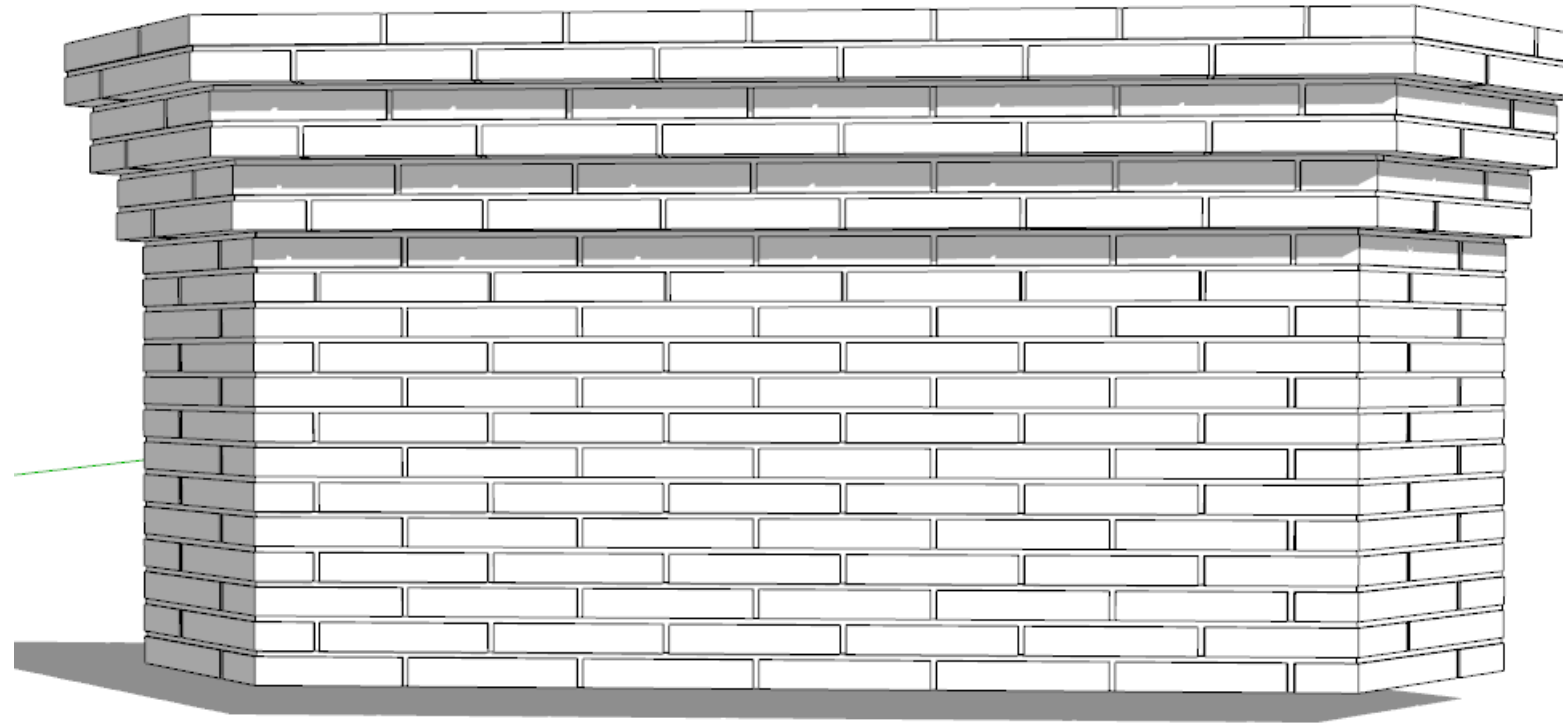


3D View - Chamfered Corner and Corbel Detail

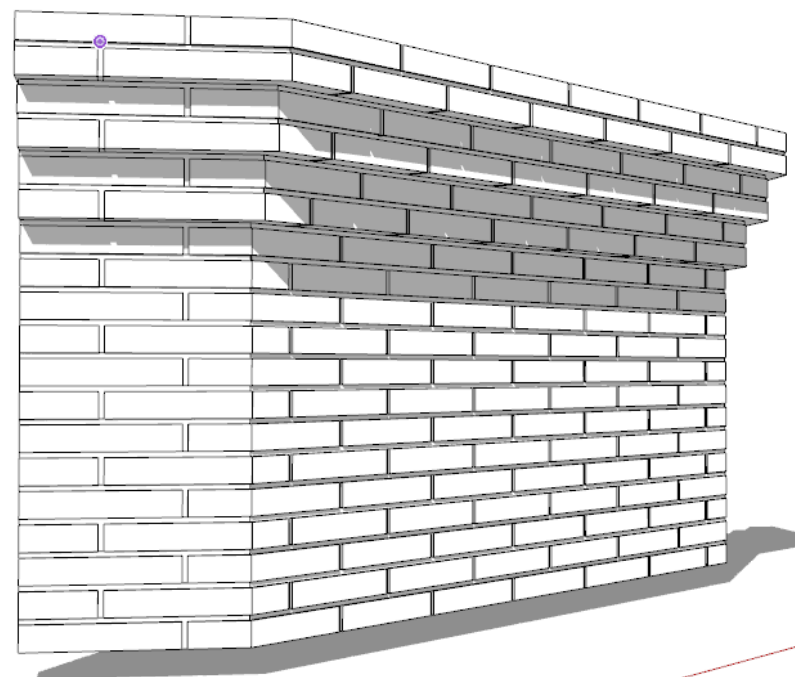


FACADE INTERFACE DETAILS

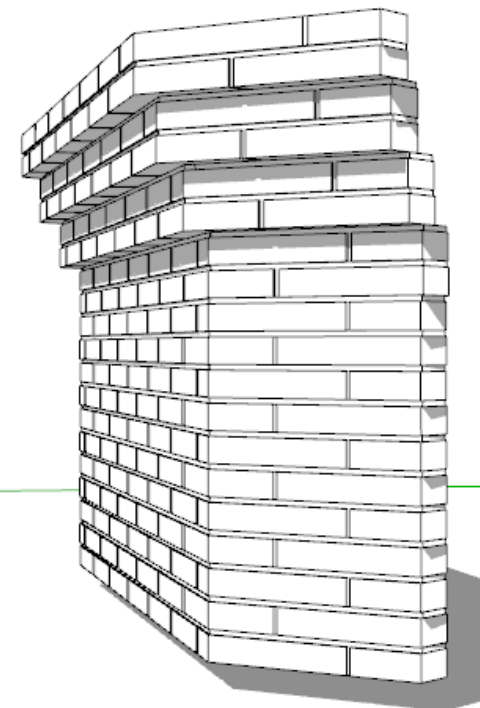
SAMPLE BAY 02 - CHAMFERED CORNER AND CORBEL DETAIL



View 01



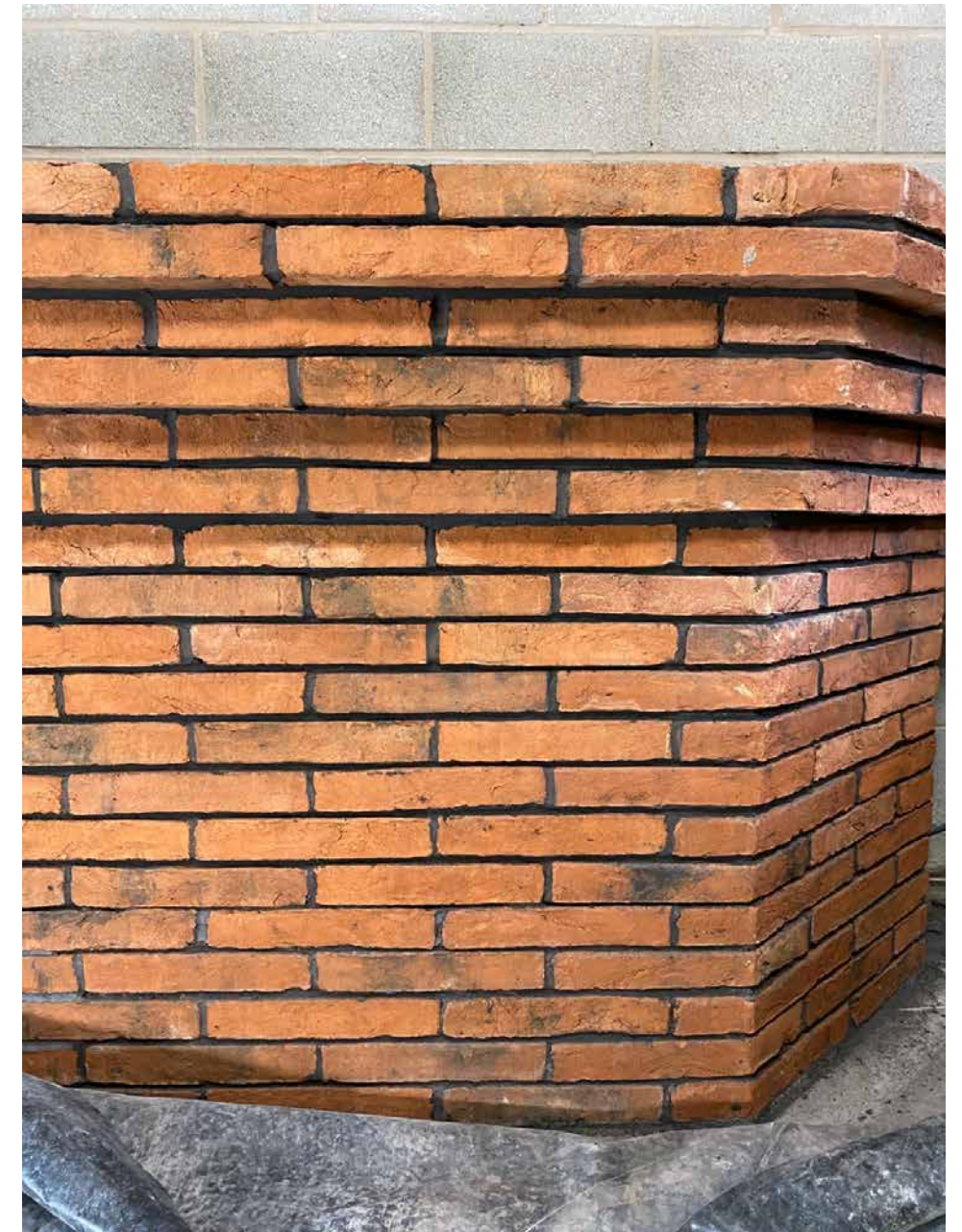
View 02



View 03

FACADE INTERFACE DETAILS

SAMPLE BAY 02 - CHAMFERED CORNER AND CORBEL MOCKUP

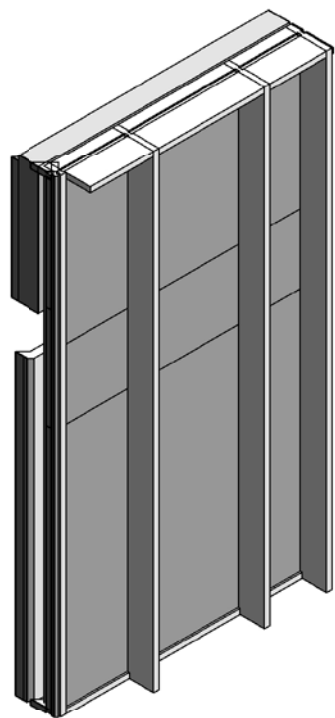


FACADE INTERFACE DETAILS

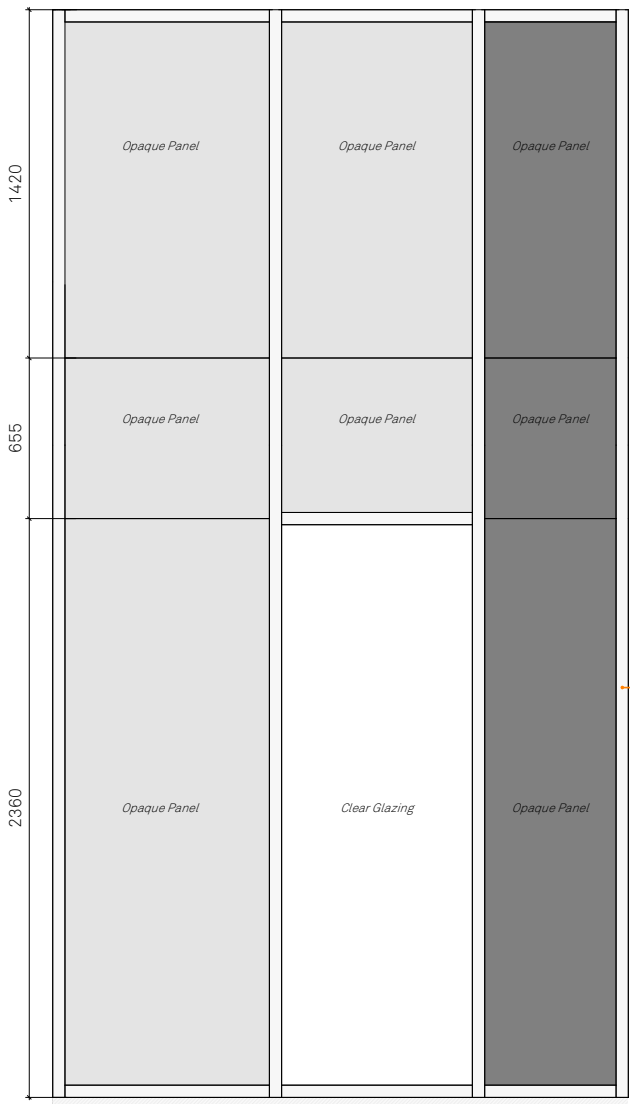
SAMPLE BAY 03 - CURTAIN WALL (LEVEL 08)

05 Curtain Wall

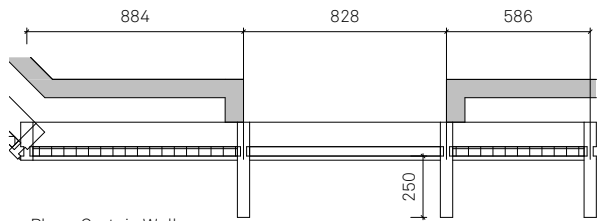
Aluprof MB-SR50N curtain walling system
Glazing: Clear, black opaque ceramic/aluminium above
brick piers below, dark grey opaque ceramic/
aluminium between piers
Joints: Horizontal expressed cap at head, vertical
capped, black
Fins: Expressed 250mm, dark grey



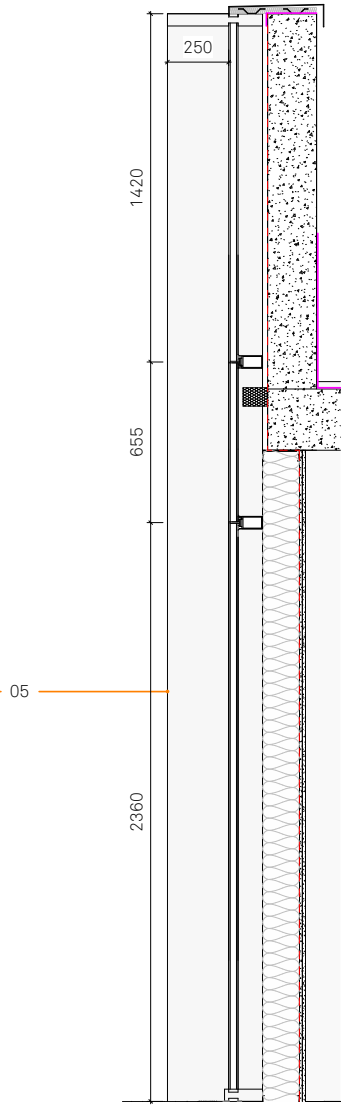
3D View - Curtain Wall



Elevation - Curtain Wall
Scale @ 1:10



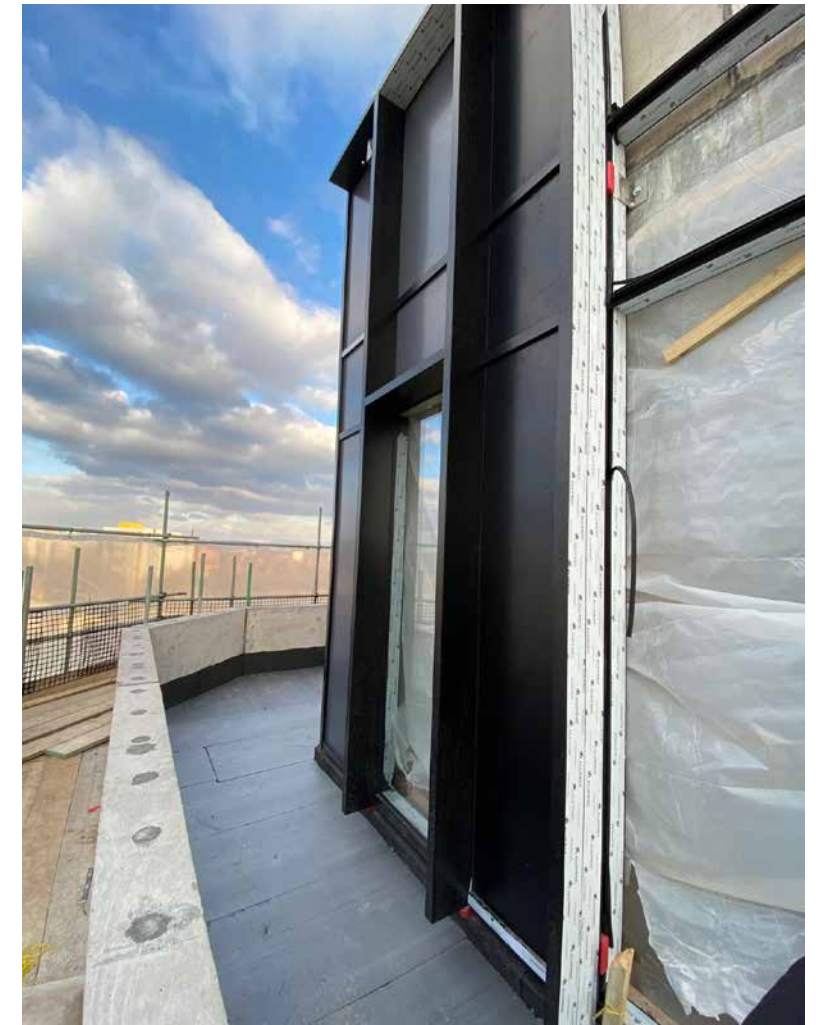
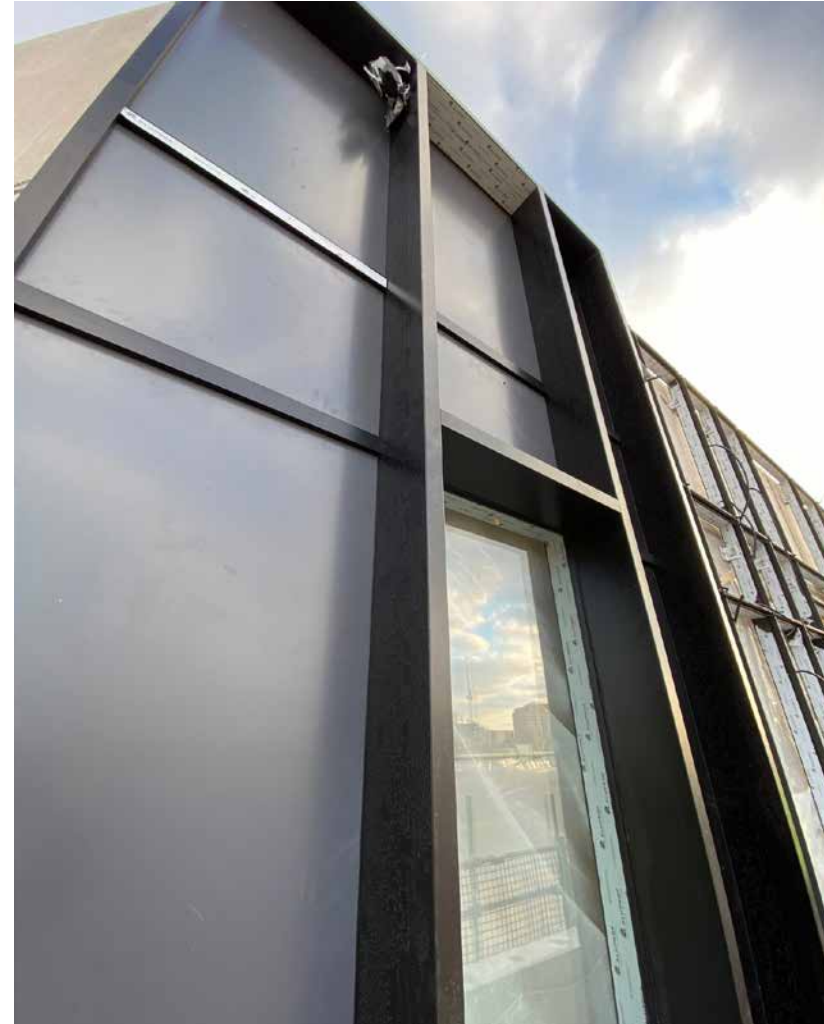
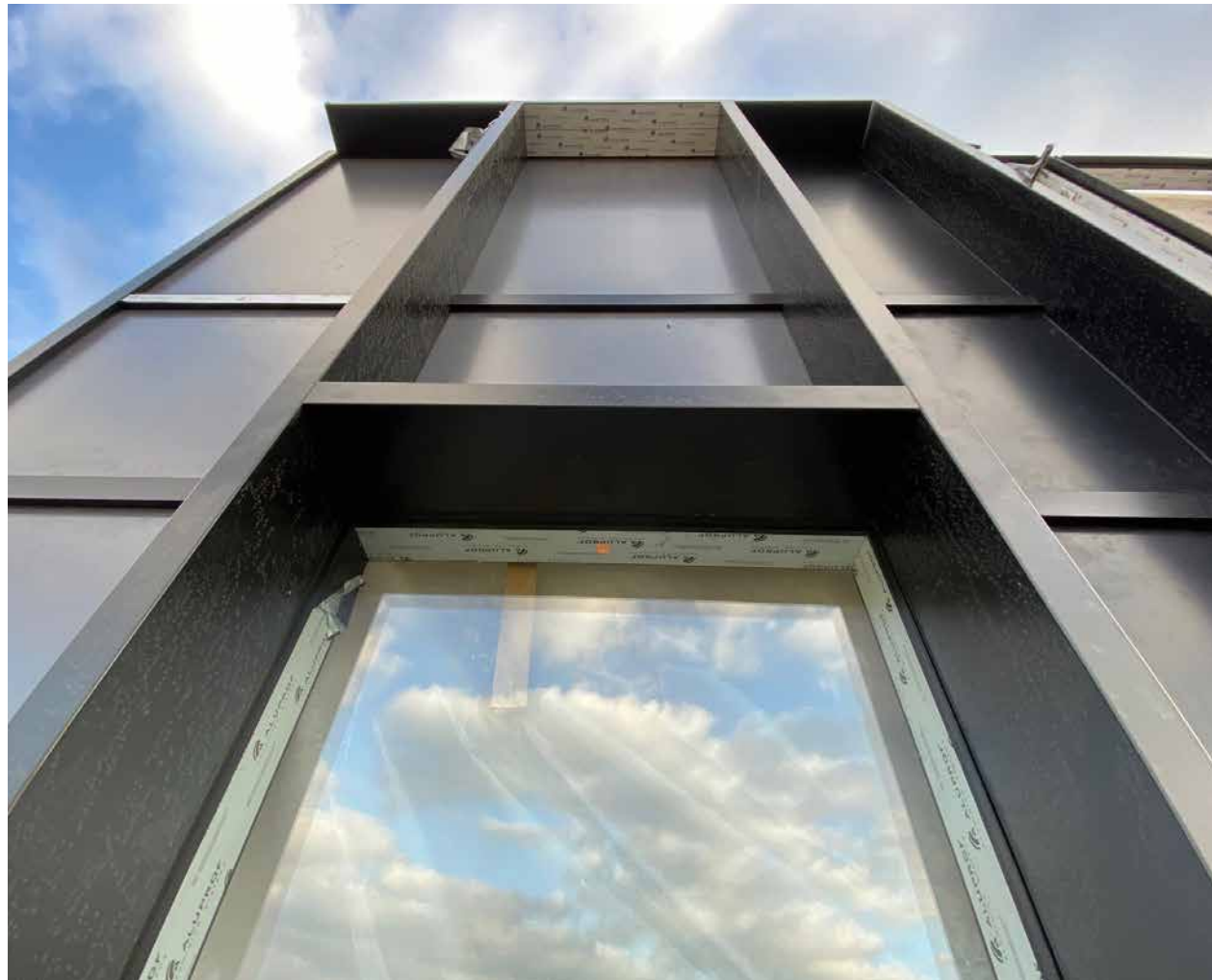
Plan - Curtain Wall
Scale @ 1:10



Section - Curtain Wall.
Scale @ 1:10

FACADE INTERFACE DETAILS

SAMPLE BAY 03 - CURTAIN WALL (LEVEL 08)



CONTACT

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