

FALCONER CHESTER HALL



Design intelligence, commercial flair.

DUCIE STREET, MANCHESTER

—
MATERIAL SAMPLES
APPLICATION REF: 120149/FO/2018

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BIG RED CONSTRUCTION

—
MARCH 2022

Introduction

The purpose of this document is to present to Manchester City Council an example of the material choices that are being considered by the design team for this project. When selecting materials for review, we have used key characteristics described within the planning approved documents.

Metal

- 4. Bronze colour anodised aluminium window frame max. 50mm frames. Full brick reveal and brick faced lintel unit to opening. Sample required for Architect, Planner and Client.*
- 6. Bronze colour anodised or PPC aluminium cladding panel with secret fixings. Pencil shadow gap to panel. Panels within brickwork to have a min. recess of 20mm to match the recessed brickwork panels. (All insulation, fixings and finished facade to be non-combustible in accordance to Building Regs Part B Appendix A). Sample panel to be constructed for sign off by LPA, Client and Architect.*
- 10. Bronze colour anodised or PPC aluminium cladding panel with perforated pattern and secret fixings. Sample panel to be approved by Architect and Client.*
- 7. Bronze coloured anodised aluminium framed double glazed curtain walling with thermally broken integrated glazed door system. Frames to be a max. 50mm with full brick reveal and brick faced lintel unit to opening. Glazing to be Secured by Design and part K compliant.*

It has been noted that in the planning approved information, there is a conflict between the description of the metal material and how this is represented on the visualisations. The description above is for ‘bronze colour’ however some of the visuals appear to have more of a reddish-brown hue. The extracts from the DAS below highlight that there should be a contrast between the materiality of the roof & central elements with that of the two brick volumes.

Treatment of the upper level
Celebrating the roof and central elements of the building as they tie the two elements together.

Contrasting Materials
Using materials that have different textural and visual qualities creates a richer and more stimulating environment. Using it to indicate the transition from one space to the other.

Accentuated Openings
The definition of openings is important to reinforce the rhythm of openings and the facade composition which relate to the historical street frontages.

- Key Characteristics:
- 1. Warm brown/ bronze tone
 - 2. Variation in different lights and views
 - 3. Appears dark in shadows to enhance clarity of shadow gap
 - 4. Contrasts with brick

Anodised Aluminium Sample: ‘UA 120-1’
When compared to other bronze anodised samples, UA 120-1 has a warmer undertone which leans more towards the reddish-brown tones in some of the planning approved visuals, whilst still being a bronze colour.



Brick

- 2. Main elevations. Brick buff/grey 65mm. 5mm bucket handle joints, mortar to be natural in colour to slightly contrast with brick.*
- 3. Recess brickwork details, 20mm recess from outer brick facade. 5mm bucket handle joints, mortar to be natural in colour to slightly contrast with brick.*
- 12. 2No. stack bonded soldier brickwork detail 5mm bucket handle joints, mortar to be natural in colour to slightly contrast with brick.*
- 21. Decorative Brickwork Detail. Modelled facade to create decorative pattern though areas of recessed brickwork laid on header.*

Key Characteristics:

- 1. Muted hue – buff or grey
- 2. Contrasts with metal when in shade, more complimentary in daylight
- 3. Crisp arises for the legibility of the decorative brickwork detail
- 4. Mixed stock, varied range or varying tone to work with both larger expanses and slender piers
- 5. Contrasting mortar for legibility of module on solider courses and add variation to larger expanses

Brick Sample A: ‘Forum Smoked Prata’

- 1. Warm grey hue
- 2. Contrasts well with bronze metal
- 3. Clean, crisp arises
- 4. Consistent range with variation added by aggregate texture
- 5. Natural grey mortar contrasts with the warm undertone of the brick

Out of the brick samples reviewed in this document, the contrast of this brick with the bronze metal is the strongest and most visually appealing. The contrast with natural grey mortar is not as striking as the buff or warm pale bricks, however it is significant enough to be read. Whilst this brick has a higher consistency of range than the other samples, this is beneficial when it comes to the legibility of the detailing and the visual coherence of the slim piers.

Summary

Our preferred choice at this stage is a grey brick similar to Brick Sample A ‘Forum Smoked Prata’ with a bronze Anodised Aluminium similar to Metal Sample ‘UA 120-1’. Out of the samples reviewed at this stage, the hues of these two samples contrast and complement the best. The crisp arises and contrast to natural grey mortar of the brick are the strongest in this option. In developing the material choices for this project we will look to expand on the preferred options with only materials of a similar quality to those reviewed in this document.



Brick Sample B: ‘Mystique’

- 1. Buff hue
- 2. Contrast with bronze metal
- 3. Crisp arises
- 4. Varied range
- 5. Natural grey mortar contrasts with the buff brick

Whilst the varied range, crisp arises and contrast with natural grey mortar are strong for this brick, the contrast with the bronze metal is not. Further exploration of bronze metal types would be needed to find a suitable match for this brick.

Brick Sample C: ‘Marcello’

- 1. Warm pale hue
- 2. Contrasts well with bronze metal
- 3. Crisp arises on most bricks
- 4. Varied range
- 5. Natural grey mortar contrasts with the warm hue of brick

The warm pale hue of this brick provides the least contrast with the metal sample out of the samples in this document. However, the hue itself it very visually appealing, as well as the quality of the handmade brick and it would contrast very well with a natural grey mortar. The varied range is also strong and visually appealing, although the arises are the least crisp so selection of suitable bricks for the detailing would have to be managed.

MATERIAL SAMPLES

EXTRACTS FROM APPROVED PLANNING DOCUMENTS

120149/FO/2018

CGIs



West Elevation
(nts)



1. Powder coated Aluminium profile cap to be a PPC Bronze colour finish or similar approved by Architect and Planner. Built wall sample required for sign off by Client and Architect.
2. Main elevations. Brick buff/grey 65mm. 5mm bucket handle joints, mortar to be natural in colour to slightly contrast with brick.
3. Recess brickwork details, 20mm recess from outer brick facade. 5mm bucket handle joints, mortar to be natural in colour to slightly contrast with brick.
4. Bronze colour anodised aluminium window frame max. 50mm frames. Full brick reveal and brick faced lintel unit to opening. Sample required for Architect, Planner and Client.
5. PPC Bronze colour louvre system to match windows with Max. 50mm frames and full brick reveal and brick faced lintel unit to opening. To be Secured by Design and part K compliant.
6. Bronze colour anodised or PPC aluminium cladding panel with secret fixings. Pencil shadow gap to panel. Panels within brickwork to have a min. recess of 20mm to match the recessed brickwork panels. (All insulation, fixings and finished facade to be non-combustible in accordance to Building Regs Part B Appendix A). Sample panel to be constructed for sign off by LPA, Client and Architect.
7. Bronze coloured anodised aluminium framed double glazed curtain walling with thermally broken integrated glazed door system. Frames to be a max. 50mm with full brick reveal and brick faced lintel unit to opening. Glazing to be Secured by Design and part K compliant.
8. Slim framed steel louvred doors / panel PPC matt finish bronze. Full brick reveals and brick faced lintel unit to opening.
9. Stack bonded soldier course brickwork 5mm bucket handle joints, mortar to be natural in colour to slightly contrast with brick
10. Bronze colour anodised or PPC aluminium cladding panel with perforated pattern and secret fixings. Sample panel to be approved by Architect and Client.
11. Bronze colour anodised or PPC aluminium cladding panel with secret fixings to balcony fascia and soffit. Demountable rainscreen cladding panel to balcony soffit. Pencil shadow gap to panel. Pencil shadow gap to panel.
12. 2No. stack bonded soldier brickwork detail 5mm bucket handle joints, mortar to be natural in colour to slightly contrast with brick.
13. Angled profile fascia and soffit below balconies. Bronze colour anodised aluminium to match windows and rainscreen cladding panels.
14. Frameless glass balustrade with secret fixings.
15. Galvanised steel railing with bronze PPC finish. 75 x 10mm MS flat bar fins at 75mm centres with 75 x 10mm capping rail.
16. Recessed external grade light fitting to balcony soffits.
17. Bronze colour anodised aluminium framed double glazed door unit. Combination of inward, outward and sliding opening. Glazing to be Secured by Design and part K compliant.
18. Galvanised steel juliet balustrading with bronze PPC finish. 75 x 10mm MS flat bar fins at 75mm centres with 75 x 10mm capping rail. Secretly fixed back through brick reveal to concealed SHS with thermal breaks.
19. PPC matt bronze galvanised steel panel privacy screen with perforated pattern. Sample panel to be approved by Architect and Client.
20. Opaque laminated frameless glass balustrade fitted flush to the outer wall.
21. Decorative Brickwork Detail. Modelled facade to create decorative pattern though areas of recessed brickwork laid on header.



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MATERIAL SAMPLES

SAMPLE A

120149/FO/2018

Brick Sample: 'Forum Smoked Prata'

Anodised Aluminium Sample: 'UA 120-1'



Sample Photographs



Built precedent



MATERIAL SAMPLES

SAMPLE B

120149/FO/2018

Brick Sample: 'Mystique'

Anodised Aluminium Sample: 'UA 120-1'



Sample Photographs



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Built precedent

MATERIAL SAMPLES

SAMPLE C

120149/FO/2018

Brick Sample: 'Marcello'

(handmade)



Sample Photographs

Sample Image



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