

# Materials Report

## King's Cross Central Building S5



Laing O'Rourke Construction Ltd

January 2021

**KINGS  
CROSS**





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# Materials Report

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1.1 Proposed Materials at Building S5

5



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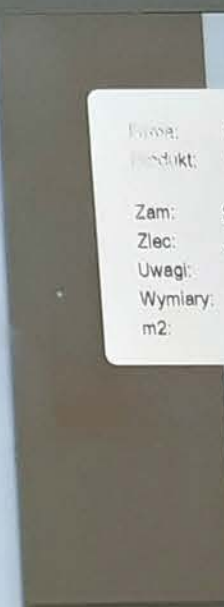
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Wersja: VELFAC PL SAP  
Produkt: Cool-lite SKN 176 6/12CH ULT7035/FL 6 UH 1,2 EN673 Ar  
Zam: SAMPLE UK - AZO  
Zlec: JTM051  
Uwagi:  
Wymiary: 250 x 300      Ilość: 20 szt.  
m2: 0,08      Waga: 2,40 kg      Numer 17515

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# Materials Report

1.1

## Summary

The purpose of this document is to display a selection of material samples assembled for use at Building S5, as shown to LBC Senior Planning Officer Patrick Marfleet on the 23rd of July, 2021, at Cadence Site Office.

In addition to the above, a further material sample has been secured for LBC review and approval: the perforated metal screen for the infill arches (numbered 8 at this report). It is located at Sample Room within the site, and can be made available for review at LBC convenience.

Materials are as outlined in the granted planning application. Main materials can be seen to the left hand side and overleaf. They are also listed below.

### 1. Red Brick.

Red brick is the main material to the building, in a longer format that ordinary (327 in length by 50 mm in height). The very same product tabled at the Planning Committee in December 2018 is used across all the facades.

It is the York Handmade, Lindum Blend, 327x102.5x50 mm format (see image to the left, the pressed key or frog enables mechanical fixing to the facade panels once the brick is cut in half)

### 2. Red Mortar.

Red mortar is applied between the bricks; in bucket handle at the upper orthogonal panels and recessed at the arch panels. A red parex mortar has been selected, slightly lighter than the bricks

### 4. White Recon Stone

Recon stone tonality and blast level has been tailor made and tuned through several samples to match the Design. It is a white-cream recon stone, to medium blast, used at window sills across the building.

### 4. Champagne Metal

Window frames at the upper levels, arch curtain wall frames, perforated metal screens, all balustrades and in general all exposed metalwork, will be PPC in Champagne Metal.

### 5. Terrazzo Pavement.

Large Terrazzo tiles will be applied at the recessed entrance, across the concierge lobby, to the courtyard and to every resident's lobby in the building. A common material to the resident's spaces at GF.

The selected product has a red / orange tone aggregate combined with grey binder, contrasting beautifully with the red brick. It has been honed and acid washed, to guarantee a high slip resistance.

### 6. Glass.

Glazing will be another major material at the building's facade. At the LHS the selected product for the resi glazing is depicted (FL 1 and above): Paniclear base glass layers, with Saint Gobain's SGG Cool-lite SKN 176 selective coating. Achieves a highly neutral appearance, as desirable in this type of scheme

### 7. Red Recon Stone

Refined in a similar process than the white recon stone, the red recon stone is used at GF level to shape the scooped corner details. Colour is red, between brick and mortar tone, with a medium blast.

### 8. Perforated Screen Sample (Champagne Metal)

A further sample has been secured from the appointed subcontractor. Falling into the Champagne Metal category, it is a perforated metal screen, PPC, with elongated perforations in "Peacock" pattern. These will be used at the double height GF arches, as infill disguising the mechanical areas.

Further to this materials, after page 7 a series of images of the facade panels can be found - as prepared at the precasting facilities. Building S5 follows the principles of Design for Manufacture and Assembly (DfMA), being highly prefabricated. For a large quantity of the facade, the selected materials will be installed at the panels in factory environment, then delivered to site and installed at the final location.



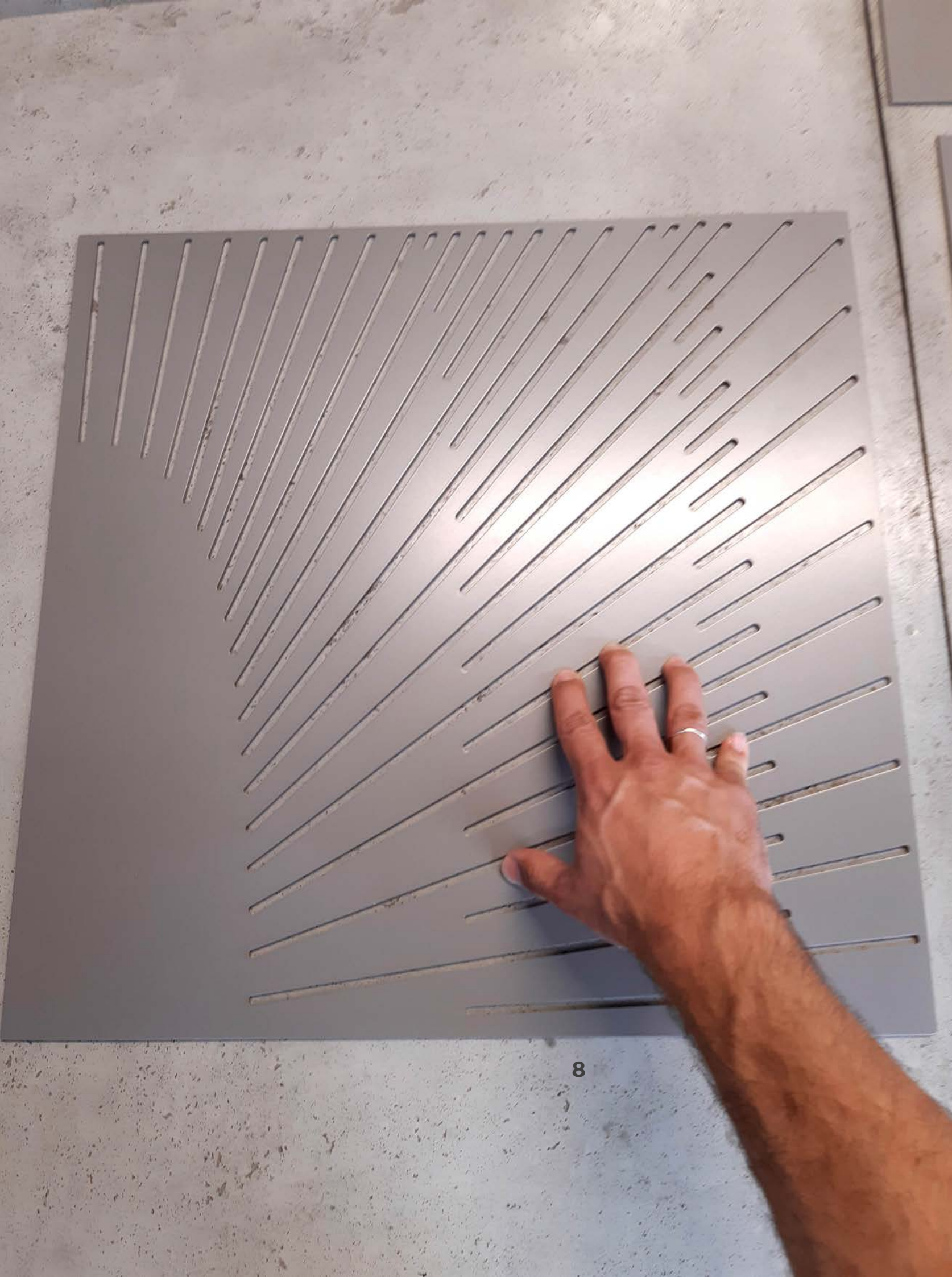






Figure 1: Arch Spandrel Panel (Top)



Figure 2: Arch Spandrel Panel Detail





Figure 3: Arch Mullion Panel (legs)



Figure 4: FL 1 Punched Panel



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Figure 5: Recon Stone Window Sill



Figure 6: York Handmade Brick Lindum Blend VS Recon Stone Sill



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Figure 7: Red Recon Stone Corner Piece Before Blasting



Figure 8: Red Recon Stone Corner Piece Fitted Into An Arch Panel







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