

Extreme spec

Lightweight 3D printed
concrete bridge

Cladding

Bleeding Heart Yard, London

Special report

Stage is set for evolving film
studio demands

Doors, windows & ironmongery

Rhodes House, Oxford

Interiors

Twilight House, Birmingham

Products in Practice
Mar/Apr 2024

RIBA J

Workplace specified: 18-20 Greycoat Place

Squire & Partners' mixed-use building in central London uses different window treatments to denote uses, while reflecting the art deco context of its neighbour

Level 6 cladding panels

Bespoke 3mm aluminium panels, triangular shaped with folder returns, composed of multiple elements riveted together on rear.
Finish: PPC interpon D1036 RAL 9004 Matt HR (60 microns, 30% gloss)
Installed by Imperial Facades (now in administration, operating under Facade & Installation Services Ltd)

Bespoke Juliet balustrades

Guarding, handrails and decorative infill bars made from bright mild steel and welded into single elements, side fixed to precast concrete sandstone columns.
Finish PPC coated to RAL 9004.
Installed by General Metal Constructions (GMC)

Sandstone cladding panels

Precast concrete panels clad with waterjet cut sandstone panels.
Sandstone facing material origin: Cove Quarry, Brownknowe Kirtlebridge, Dumfries, Lockerbie DG11 3ND.
Supplier/sandstone cutting: BlockStone www.blockstone.com
Precast panel manufacturer and installer: Decomo info@decomo.be www.decomo.be

Granite skirtings

Granite facing material: Hofmann Stone Swedish Black Granite, finish: flamed.
Supplier: Hofmann Stone Group www.hofmann-naturstein.com
Precast panel manufacturer and installer: Decomo info@decomo.be / www.decomo.be

Level 5 doors

Fabricated from Aluprof MB-86 ST thermally broken inward opening door
Frame finish: PPC interpon D1036 RAL 9004 Matt HR (60 microns, 30% gloss)
Glass: Triple glazed hermetically sealed unit, external pane with low iron acoustic laminate. Light transmission 63%; light reflectance 17.1; general colour rendering index 94.1; energy transmission 28.8; energy reflectance 42; solar factor 31.9; shading co-efficient 0.37.

Level 1-4 glazing

Fabricated from Aluprof MB-SR50N thermally broken aluminium curtain walling profiles with Aluprof bespoke bay mullion extrusion.
Glass: Double glazed unit, external pane with low iron acoustic laminate. Light transmission 69%; light reflectance 13.1; general colour rendering index 94.5; energy transmission 32.2; energy reflectance 40.5; solar factor 34.2; shading co-efficient 0.39; U-value 1.0; Rw 44, C-1; Ctr -4.
Fitted by Imperial facades (see above)

ARCHITECT'S STATEMENT

Henry Squire, partner, Squire & Partners

18-20 Greycoat Place is a new seven-storey building in the heart of Victoria, London, at the intersection of Greycoat Place, Greencoat Place and Rochester Row. It comprises four floors of workspace with duplex apartments above, while the ground floor is animated on all three sides with an office reception and retail use.

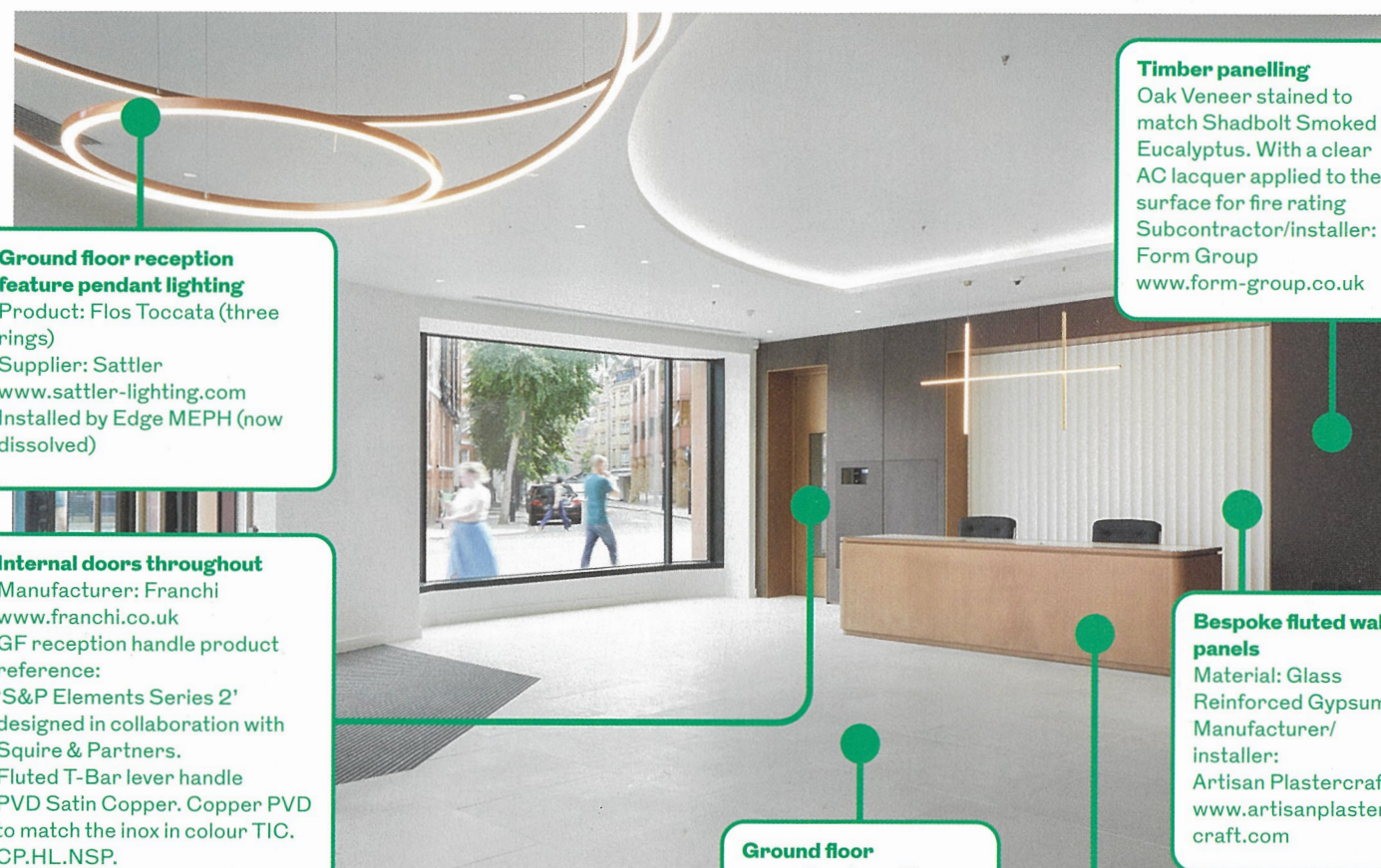
The development follows the curved line of the street and draws on the notable brick buildings and prevalent mansion block vernacular of the area, with a materials palette of

red sandstone and dark trim detailing. Scalloped sandstone pilasters reference the neighbouring art deco inspired Artillery House, and frame a series of contemporary projecting bay windows and recessed spandrels in dark aluminium – expressed in bands to visually divide the retail, office and residential uses within the building. The differing architectural treatments of the window bands include the amount of glazing used at each level – responding to the different daylight requirements of each use.

The rounded, set-back sixth floor, composed of metal and glass, reflects similar surrounding rooftop architecture

and houses 100m² of photovoltaic panels on its roof. The pressed, V-form detail of the cladding panels relates to the graduated concave form of the sandstone pilasters, creating coherence across the facade elements.

Office floor cores feature timber panelling, copper clad lift architraves and fluted plaster details that echo those found in the reception space. Technical innovations within the development include touchless access and air purification on the office floors, and antibacterial copper-coated details such as bespoke door handles designed and produced in collaboration with ironmonger Franchi. ●



Ground floor reception feature pendant lighting

Product: Flos Toccata (three rings)
Supplier: Sattler www.sattler-lighting.com
Installed by Edge MEPH (now dissolved)

Internal doors throughout

Manufacturer: Franchi www.franchi.co.uk
GF reception handle product reference: 'S&P Elements Series 2' designed in collaboration with Squire & Partners.
Fluted T-Bar lever handle PVD Satin Copper. Copper PVD to match the inox in colour TIC, CP.HL.NSP.
Additional ironmongery/accessories:
Antibacterial coating applied to handles; coating by Franchi; SafeTouch

Timber panelling

Oak Veneer stained to match Shadbolt Smoked Eucalyptus. With a clear AC lacquer applied to the surface for fire rating
Subcontractor/installer: Form Group www.form-group.co.uk

Bespoke fluted wall panels

Material: Glass Reinforced Gypsum
Manufacturer/installer: Artisan Plastercraft www.artisanplastercraft.com

Ground floor reception floor tiles

Product: Kalksten (Hammer Artico) 600 x 600 porcelain floor tile
Manufacturer: CTD Architectural Tiles www.ctdarchitecturaltiles.co.uk/
Supplier/installer: ABM Tiling www.abmtiling.co.uk

MDF joinery coated in copper

Manufacturer/installer: Form Group www.form-group.co.uk
Liquid copper paint: VeroMetal Deutschland GmbH www.industrial-production.de
Supplier of copper: Creative Coatings (Spalding) www.creative-coatings.co.uk

Gia
4,052m²

Total floor area
4,500m²

Start on site
June 2020

Completion date
September 2023

Contract type
Design and build

TEAM

Architect Squire & Partners
Client ITC Properties
Development manager Rockhopper Real Estate
Structural engineer Heyne Tillett Steel
M&E/BREEAM/Fire/Acoustic consultant Hoare Lea
QS Potter Raper
Planning advisor DP9
Main contractor RED Construction