

Design Intent Drawing:

Specialist cladding contractor to complete the design for the whole system, including cladding, primary and secondary support system, fire compartmentation and glazing based on systems identified.

This is a staggered section showing joints between cladding panels and glazing.

Vertical steel post fixed down to roof beams as per structural design. Structural thermal break in line with min. U Value requirement. Steelwork to be in line with Structural Engineer design and detail as per NBS G10/150B

Rooftop louvre acoustic screens (2no. layers of 150mm), fixed back to hot rolled steel frames fixed between steel posts. Screens as per NBS L10/650A.

'Q Railing' Easy Glass balustrade fixed back to SFS cantilever posts, set at min.1100mm from finished floor level as per NBS L30/560A.

'Metsec' slotted head track to top of cantilever posts and structural framing system. As per NBS L10/650A

'Proteus HR' rainscreen cladding system; TECU brass with artisan burnished finish; fixed back to SFS via top hat brackets as per manufacturer recommendation. Maximum 15mm joint between cladding panels as per NBS H92/110A

KAWNNER AA100 SSG Curtain glazing system. Fixed glazing with structural silicon bonded glazing units. Supported from primary structure by secondary steel (by others).

Floor constructed from steel beam (as per structural engineer deign and detail), supporting corrugated metal/concrete deck and screed topper with various depths (see details). Acoustic resilient layer integrated within the finishes zone of floor build-up. Suspended plasterboard ceiling fixed to underside of structure.

Retain existing walkway and railings in background

New 50mm wide Standard Patent Glazing' Traditional range TCI aluminum glazing bars with CTI capping at 666mm centers with RAL 900 - Jet Black powder coat finish - in background

Steel frame to support glazed roof.

Glazed roof supported from Pilkington Planar™ Standard Full 905J Fitting with counter sunk fixings providing a flush surface on the top. Three sides of each unit to be silicone pointed.

Corrugated steel deck and steel beams to be exposed to soffit at first floor, allow for painted finish (TBC).

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4208

Hotel Extension - Strip Section
1:50 @ AI

Notes: 17/01/2023 09:08:43

Drawings are based on survey data and may not accurately represent what is physically present.

Do not scale from this drawing. All dimensions are to be verified on site before proceeding with the work.

All dimensions are in millimeters unless noted otherwise.

Purcell shall be notified in writing of any discrepancies.

Key Plan

not to scale

Notes:

Refer to specification
LRFS-PUR-01-XX-SP-A-0002

External wall to achieve U Value 0.23 w / m2k to Rockwool U value calculation

Ensure 60mins fire integrity at junctions between compartment floors and walls.

All steelwork to be protected to 60 mins fire protection

Source of Umax value: England and Wales
Approved Document L1A 2010 Tab 2 Dwellings
New

Umax value:
Wall - 0.30 W/m2k
Floor - 0.25 W/m2k
Roof - 0.18 W/m2k

REV	DATE	DRAWN	DESCRIPTION
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CLIENT

Allied London

PROJECT

London Road Fire Station

JOB NUMBER

240242

TITLE

Hotel Extension - Strip Section

SIZE	SCALE	LAST REVISED	DRAWN	CHECKED
A1L	1:50	17/01/2023	DC	DC

REV SUITABILITY/REASON FOR ISSUE

P05 S4 - Planning

DRAWING NAME

240242-PUR-01-ZZ-DR-A-4208

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