B

1/438 Parapet and roof edge protection grid line B

12mm cement cladding board fixed to timber batten mounted on top of curtain wall top rail. NBS reference K11/890A.

3mm thick purpose made polyester powder coated parapet capping with factory welded butt strap joints fixed to Nvelope Omega 25 x 120 top hat section brackets with colour matched stainless steel self tapping screws.

Nvelope Omega 25 x 120 top hat section brackets fixed to L bracket and batten with stainless steel countersunk screws. Bottom of top hat section and screw fixings to be coated with Bauder Liquitec membrane lapped onto capping sheet to create waterproof joint

628 face of capping to GL B

281
30 cap + 41 glass + 210 back box

240

Top of curtain walling 49.473

T.O.S. 49.400

3mm polyester powder coated Z section

Curtain wall transoms fixed at the top to 100 x 100 square hollow section

Schueco SWS 60 curtain walling. NBS reference H11/110A.

200mm Rockwool Flexi tightly packed between curtain walling glazing and cement board. NBS reference P10/250B.

SFS studs to specialist design

Insulation tightly packed between SFS studs. NBS reference P10/250B.

12mm cement cladding board. NBS reference K11/890A.

ROOF 3a

W.03b

ROOF DECK 48.600

Curtain walling with back painted glass. Acoustic insulation to be included to minimise sound transfer NBS reference H11/110A.

60 x 40 x 3mm stainless steel rectangular handrail fixed into 50 x 30 x 3mm stainless steel brackets on 20mm diameter solid bar welded to top of 42.2mm diameter stainless steel uprights

50 x 30 x 3mm stainless steel midrail fixed into 40 x 20 x 3mm stainless steel brackets with stainless steel machine screws. Brackets welded to sides of stainless steel uprights

1100

Bauder bitumen membranes continued up cement board internal parapet cladding and lapped on to the top of the wall

12mm cement cladding board fixed to SFS framing. NBS reference K11/890A.

Weathering collar to upright fabricated from 73mm diameter x 3mm thick tube and 3mm thick flat welded to upright

Weathering upstand formed from 60.3mm diameter x 2.77mm thick stainless steel tube welded to 3mm thick 300 diameter stainless steel base plate. Junction between tube and base plate to set to suit 1 in 60 tapered insulation to ensure the tube is vertical. Roof membrane to be lapped over and bonded to the top of the base plate

Bauder LiquiTEC liquid membrane applied around junction of Bauder membrane and lapped up weathering upstand to ensure the integrity of the waterproof membrane

ROOF 1

Two layers of British Gypsum 15mm Soundbloc board fixed to softwood batten bolted to underside of cross laminated timber floor deck and curtain walling infill panel

2.5mm BauderTEC KSD Mica, aluminium lined, elastomeric bitumen self-adhesive vapour barrier

Refer to dwg 706 & 707 for curtain walling setting out

Curtain walling. NBS reference H11/110A.

2/438 Curtain wall cill Asian garden roof edge upstand grid line B

25mm thick European Oak window boord with 3mm fillet to top edge

35 x 33mm European Oak architrave detail with tongue and groove joint to cill lining with 5 x 10mm shadow gap at the junction

Ezyfinishing custom shadow line plaster stop bead

3mm polyester powder coated aluminium cover strip

25mm thick Bauder PIR insulation bonded cement board

12mm cement cladding board. NBS reference K11/890A.

18mm plywood. NBS reference K11/415.

Security mesh. NBS reference H31/111

External quality spotlights to M&E details

SFS studs to specialist design

140mm Insulation tightly packed between SFS studs. NBS reference P10/250B.

100mm Rockwool flexi insulation. NBS reference P10/250B.

12.5mm British Gypsum Gyproc wallboard with plaster skim and 18mm plywood fixed to 50 x 50mm softwood framing

Ezyfinishing custom shadow line plaster stop bead

150 x 12mm moisture resistant softwood inset skirting with 10 x 5 rebate machined into bottom edge

15mm perimeter movement joint around timber flooring

Acoustic resilient layer

Engineered timber flooring. NBS reference M42/111

Acoustic resilient layer

10mm plywood

Cross laminated timber floor to SE details

FF FFL 44.180

T.O.CLT 44.155

FIRST FLOOR

2.5mm BauderTEC KSD Mica, aluminium lined, elastomeric bitumen self-adhesive vapour barrier

Chamfered edge to CLT

Junction between steel beams and CLT to be filled with screed.

Steelwork to SE details.

3/438 Asian garden roof edge upstand at junction with existing lead clad wall

125 x 25 treated horizontal softwood battens recessed into vertical grounds

Lead sheet neatly bossed around edges of plywood sheet, turned onto back by 50mm, welded at corners and top third fixed wtih copper nails at 75mm centres. 125mm wide lead strip welded to the top of the panel. All details in accordance with current LSA guidance for preformed lead faced panels

50mm wide x 8mm thick galvanised steel brackets bolted to plywood sheet with countersunk head galvanised steel bolts

50 x 10mm thick galvanised steel horizontal support rails recessed into vertical timber grounds

20

New stainless steel insect mesh

350 x 100 x 3mm galvanised steel angle upstand screwed to top of CLT deck and fitted tight up to existing masonry to provide separation between existing masonry and roof membranes and insulation

Bitumen roof covering. NBS reference J41/110A.

Tapered insulation to specialist design. NBS reference J41.

50

20

12

Air and vapour barrier fixed to existing cement board through a flat metal plate. Junctions overlapped by min 100mm and sealed with double sided tape. Joints and fixings sealed with Butyl tape. Integrity of existing cement board to be checked on site. Pleat the VCL to allow for movement. NBS reference P10/310A.

GROUND FLOOR

1:5 Scale @ A1

0 100 200 300 400 500

Notes:

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.

ISSUE	DATE	DRAWN	CHECKED	DESCRIPTION
D	06/03/2020	SS	TB	Steelwork/curtain walling update following subcon input
First Issue	06/03/2020	CW	SS	

CLIENT
University of Manchester

PROJECT
Manchester Museum Courtyard

DRAWING TITLE
6137-PUR-MMC-XX-DR-A-0438
Lead clad wall roof terrace and curtain wall junctions

SIZE & SCALE
1:5 @ A1

DRAWING STATUS Issued for Approval

JOB NUMBER 237010

DRAWING NO. 438

REVISION D

PURCELL

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