4

345
358
33
236
26
150
38
150
50
20
Internal lining with zone for diagonal bracing
Internal sheathing
SFS Frame + Insulation
External sheathing
Insulation
Air gap
Cladding

Expamet flattened security mesh 50-73HFG.
NBS reference H31/111

18mm plywood.
NBS reference K11/415

140mm Rockwool Flexi tightly packed between SFS studs
NBS reference P10/250B

12mm Cembrit Companel cladding board.
NBS reference K11/890A

150mm SFS framing

20mm thick SHG Zarkos ZK01 (honed) reinforced stone cladding by Shadbarty (Holdings) Group Ltd.
NBS reference H92/110A

DuPont AirGuard reflective air and vapour barrier stapled to plywood with junctions overlapped by minimum 100mm and sealed with double sided tape and joints and fixings sealed with butyl tape.
NBS reference P10/310A

Sureclad hang on cladding support system consisting of RS-HG horizontal hangers and rails mounted on vertical T profiles fixed to RS-N series primary support brackets fixed back to metal framing

18mm plywood.
NBS reference K11/415

150mm Rockwool rainscreen duo slab
NBS reference P10/250B

Expamet flattened security mesh 50-73HFG
NBS reference H31/111

Bituthene 8000 sheet continued up face of cement board by minimum 150mm and fixed at the top with a 25 x 1mm continuous stainless steel fixing strip screwed to cement board with stainless steel screws at 200mm centres
NBS reference J40 / 180A

WT04A - 12.5mm British Gypsum Gyproc wallboard with plaster skim and 18mm plywood fixed to 92mm Gyproc I studs.
NBS reference K10 / 136B

Ezyfinishing custom shadow line plaster stop bead

150
50
20
55

Stone post at the end of the planter forming termination to existing wall and railings to Rutherford Building lightwell

10mm polished concrete screed.
NBS reference M10/114

100mm screed to S.E specification

Rev A

80mm Kingspan Styrofoam N700R rigid extruded polystyrene insulation slab

GF Level 38.945

150 x 12mm moisture resistant softwood inset skirting with 10 x 5 rebate machined into bottom edge
NBS reference P20 / 110

Top stone restraint consisting of 150 x x 5mm x 50mm wide stainless steel angle brackets at 300mm centres with 8mm diameter x 25mm long pins set into 12mm diameter holes in top edge of stone. Bolt fixing and section of the tie on the top of the concrete upstand to be fully coated with Bituthene LM

25 x 25mm Bituthene LM fillet at junction of concrete and cement board

100mm stone plinth restrained at the top with stainless steel tie and doweled to coping at the bottom. Plinth backed and jointed with lime/ sand mortar/ mix consisting of 1 part NHL 3.5 to 3 parts sand/ stone dust aggregate

Top of planter 38.645

8mm diameter x 50mm long pins set into 12mm diameter holes in top of coping and bottom of plinth stones at 300mm centres

Stone coping to existing brick wall at the end of the lighwell at the front of the Rutherford building. The extent of the overhang varies between approximately 25mm minimum to approximately 165mm at the step in the existing wall line. Coping bedded and and pointed with mortar mix consisting of 1 part NHL 3.5 to 3 parts sand/ stone dust aggregate (exact proportions to be agreed subject to samples)

1:5 Scale @ A1

0 100 200 300 400 500

4

1/445 Detail at return wall between curtain walling on Coupland Street elevation and curtain wall at junction with Rutherford Building

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.

Key Plan
not to scale

ISSUE	DATE	DRAWN	CHECKED	DESCRIPTION
A	24/08/2018	AJ	SS	NBS Spec added
First Issue	18/05/2018	GR	SS	

CLIENT	University of Manchester
PROJECT	Manchester Museum Courtyard
DRAWING TITLE	6137-PUR-MMC-XX-DR-A-0445 Detail at return wall Coupland St grid line 4
SIZE & SCALE	1:5 @ A1
DRAWING STATUS	ISSUED FOR TENDER
JOB NUMBER	237010
DRAWING NO.	445
REVISION	A

PURCELL

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