4

358
Ctr of beam to outside face of stone cladding

20 Cladding | 50 Air gap | 150 Insulation | 38 External sheathing | 150 SFS Frame + Insulation | 15 Airtightness | Internal lining with zone for diagonal bracing

20mm reinforced stone cladding
NBS reference H92/110A

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

Non-combustible rainscreen insulation.
NBS reference P10/217A.

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

18mm plywood.
NBS reference K11/415.

Security mesh.
NBS reference H31/111.

150mm SFS framing to specialist design

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

12mm plywood.
NBS reference K11/415.

Bituthene 8000 sheet continued up face of cement board by minimum 150mm AFFL 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

616

150

106

8

GROUND FLOOR

Internal studwork. Refer to wall type drawing & NBS specification K10

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 P10/310.

Concrete metal deck to SE detail. Polished concrete finish NBS Specification M10/114

GF Level 38.945

SFS framing to fit within the web of steel beam. Fill with insulation.

Steel beams to SE details. Encased with boarding to achieve 60min fire separation.

Perimeter beams below ground floor to be encased with Hardie Windbreaker Sheathing Board. Fire resistant fixing system to manufacturer's details. Exposed edges to be clad with 3mm thick purpose made polyester powder coated PPC aluminium sheeting.

616

0

BASEMENT (EXTERNAL)

Insulation to basement soffit, including recess created by the ribs of the metal deck. NBS Specification P10/185

Fermacell Powerpanel H2O Render Carrier cement board to underside of structural beams below ground floor slab. Joints to be glued with Jointstik and edges taped using a mesh tape finished with 2mm thick Powerpanel Surface Finish as per manufacturer's details.

Perimeter beams below ground floor to be encased with Hardie Windbreaker Sheathing Board. Fire resistant fixing system to manufacturer's details. Exposed edges to be clad with 3mm thick purpose made polyester powder coated PPC aluminium sheeting.

Rockwool semi-rigid/rigid insulation to structure.

30mm reinforced stone cladding
NBS reference H92/110B

Concrete pier to SE details

External metal gate & fencing BDE.02 as per door schedule 0700

To be checked on site - to suit existing wall height

30

328

Existing retaining wall

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.

Key Plan
not to scale

ISSUE	DATE	DRAWN	CHECKED	DESCRIPTION
B	18/02/2020	MP	SS	NBS Spec, SE
A	24/08/2018	AJ	SS	NBS Spec added
First Issue	18/02/2020	CW	MP	

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 Approval
JOB NUMBER	237010
DRAWING NO.	445
REVISION	B

PURCELL

St James', 79 Oxford Street, Manchester, M1 6FQ
© PURCELL 2012. PURCELL ® IS THE TRADING NAME OF PURCELL MILLER TRITTON LLP