



ClientAA&DB

ProjectP17-082 17 Charterhouse street

ItemRoof schedule - A-27-SCH-01

document nP17-082 - A-27-SCH-01

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RevisionP1

Ref27 and 41 series drawings

Notes: To be read in conjunction with architects specifications and drawings. To be read in conjunction with the structure and MEP engineer specifications and package information. To be read in conjuncton with the BREEAM and ecological report.

Roof Type Number:	Level Number:	Building No:	Gridlines:	Substrate	Type of Roof: (Inverted roof, warm roof, cold roof, podium deck)	Green Roofs: (Extensive/intensive/biodiversity/ready-to-roll instant pre-cultivated mats)	Blue Roof Storage Water Attenuation	Parapet Height from SSL	Falls Created in Roof Build-Up/Uniform Thickness Insulation	Specification:	Roof Finish:	U-Value Required: *To be read in conjunction with the specifications	Roof Traffic/Loads:	Roof Drainage Design:	Drawings/Details/ Ref No:	Comments:	Insulation Protection/ Securement:	Responsible Procurement:	Green Guide to Specification:	Standards:
Terrace Roof: RT01	5th Floor	Building No. 1 17 Charterhouse Street	D-F/2-5	In-Situ Concrete Slab on metal trough permanent formwork	Inverted	N/A	N/A	700mm	Uniform thickness insulation (XPS 220mm)	J31/130A Liquid Applied Hot Melt	Stone paving Slabs, 600 x 600 x 50 mm thick. Colour, finish and stone type to be confirmed with landscape architects. To meet the minimum PTV slip resistance of 36 WET	0.16 W/m²K.	Pedestrian traffic	See MEP Consultants Drawing(s): 7278 P-07-PH10	MCM P17-082 A-27-05 MCM P17-082 A-41-DET-50 More details to follow	Stone paving to be confirmed by Landscape Architect	Perimeter upstands insulated and protected with Portland stone coloured cementitious board facing	BES 6001 and ISO 14001	Target: A rated, Prospect: B & C rated	BBA certified Required, Provide Certificate No. and 1 copy of Certificate, Comply with Certificate requirements
Green Roof on Blue Roof: RT02	6th Floor	Building No. 2 Saffron Hill Wing	D-J/5-8	In-Situ Concrete Slab on metal trough permanent formwork	Inverted	Wild flower and sedum Type TBC by Landscape Architect, Potential biodiverse with ground medium substrate,	Yes See attached details ref: MCM P17-082 A-41-DET-50 (Detail number 2)	680SH/590CHS	Uniform thickness insulation (XPS 220mm)	J31/130B Liquid Applied Hot Melt Green roof to Q37/130B	Sedum mat with 20-40 mm washed pebble margins (Minimum 50 mm thick)	0.16 W/m²K.	Maintenance Only	See MEP Consultants Drawing(s): 7278 P-07-PH10	MCM P17-082 A-27-06 MCM P17-082 A-41-DET-50 More details to follow	PV Panels located on this roof area Restraint/Fall Arrest System to be reviewed	Perimeter upstands insulated and protected with Portland stone coloured cementitious board facing	BES 6001 and ISO 14002	Target: A rated, Prospect: B & C rated	BBA certified Required, Provide Certificate No. and 1 copy of Certificate, Comply with Certificate requirements
Pebbles on Blue Roof: RT03	6th Floor	Building No. 1 & 2: 17 Charterhouse Street & Saffron Hill Wing		In-Situ Concrete Slab on metal trough permanent formwork	Inverted	N/A	Yes See attached details ref: MCM P17-082 A-41-DET-50 (Detail number 3)	680SH/590CHS	Uniform thickness insulation (XPS 220mm)	J31/130C Liquid Applied Hot Melt	20-40 mm washed pebble margins (Minimum 50 mm thick)	0.16 W/m²K.	Maintenance Only	See MEP Consultants Drawing(s): 7278 P-07-PH10	MCM P17-082 A-27-06 MCM P17-082 A-41-DET-50 More details to follow	Restraint/Fall Arrest System to be reviewed. Use drainage board also under pebbles to avoid these falling inside the blue roof drainage board	Perimeter upstands insulated and protected with Portland stone coloured cementitious board facing	BES 6001 and ISO 14003	Target: A rated, Prospect: B & C rated	BBA certified Required, Provide Certificate No. and 1 copy of Certificate, Comply with Certificate requirements
Plant Area on Blue Roof: RT04	6th and 7th Floors	Building No. 1 & 2: 17 Charterhouse Street & Saffron Hill Wing	H-M/5-8 A-E/2-9	In-Situ Concrete Slab on metal trough permanent formwork	Inverted	N/A	TBC See attached details ref: MCM P17-082 A-41-DET-50 (Detail number 4)	680SH/590CHS	Uniform thickness insulation (XPS 220mm)	J31/130D Liquid Applied Hot Melt	Standard hydraulically pressed precast concrete paving Slabs to BS EN 1339, 600mm x 600mm x 50mm thick (BS size: B50) Natural Grey	0.16 W/m²K.	Roof pedestrian traffic Heavy loads with MEP Plant on big foot (check loading capabilities of insulation and reservoir board)	See MEP Consultants Drawing(s): 7278 P-07-PH10	MCM P17-082 A-27-06 MCM P17-082 A-27-07 MCM P17-082 A-41-DET-50 More details to follow	Plinth up stands for MEP plant to be reviewed RHS/UC for Plant Screening to be confirmed by Ramboll If a solution of spreader plate is used to spread the loads then a blue roof under the plate won't be of use	Perimeter upstands insulated and protected with Portland stone coloured cementitious board facing	BES 6001 and ISO 14004	Target: A rated, Prospect: B & C rated	BBA certified Required, Provide Certificate No. and 1 copy of Certificate, Comply with Certificate requirements
Lift over-runs: RT05	6th and 7th Floors	Building No. 1 & 2: 17 Charterhouse Street & Saffron Hill Wing	L-M/6-7 B-D/4-5	In-Situ Concrete Slab on metal trough permanent formwork	Inverted	N/A	N/A	N/A	Uniform thickness insulation (XPS 220 mm)	J31/130E Liquid Applied Hot Melt	20-40mm washed pebble margins (Minimum 50mm thick)	0.16 W/m²K	No access	See MEP Consultants Drawing(s): 7278 P-07-PH10	MCM P17-082 A-27-07 MCM P17-082 A-41-DET-50 More details to follow	Roof construction to be confirmed by Structural Engineer's	Perimeter upstands insulated and protected with Portland stone coloured cementitious board facing	BES 6001 and ISO 14005	Target: A rated, Prospect: B & C rated	BBA certified Required, Provide Certificate No. and 1 copy of Certificate, Comply with Certificate requirements

Existing Floor new Flat Roof: RT06	1st floor	Building No. 1 17 Charterhouse Street	C-D/1-2 D-E/1-2	Existing in-Situ Concrete Slab with Asphalt and gravel finish	Inverted	N/A	N/A	Aprox. 650mm subject to survey	Uniform thickness insulation (XPS insulation, thickness to be confirmed following survey of existing upstand levels)	Existing waterproofing (20 mm asphalt, tbc) Allow for Stripping back to structure and replace with J31/130F Liquid Applied Hot Melt	20-40 mm washed pebble margins (Minimum 50 mm thick)	TBC (0.16 W/m²K. ideally)	No access	See MEP Consultants Drawing(s): 7278 P-07-PH10	MCM P17-082 A-27- 01 MCM P17-082 A-27- 05 MCM P17-082 A-41- DET-50 More details to follow	Existing edge upstand levels to be confirmed	Perimeter upstands insulated and protected with Portland stone coloured cementitious board facing	BES 6001 and ISO 14006	Target: A rated, Prospect: B & C rated	BBA certified Required, Provide Certificate No. and 1 copy of Certificate, Comply with Certificate requirements
Walkway over pavilion Roof: RT07	2nd Floor	Building No. 2 Saffron Hill Wing	G-L/4-5	In-Situ Concrete Slab on metal trough permanent formwork	Warm	N/A	N/A	N/A	Falls created in insulation (PIR insulation)	J41/110G Reinforced Bitumen Membrane (Built- Up Felts) To meet BBA	Stone paving Slabs, size and thickness tbc. Colour, finish and stone type to be confirmed/coordi nated with landscape architects. Finish over cap sheet felt/membrane	0.16 W/m²K.	Cleaning and maintenance only	See MEP Consultants Drawing(s): 7278 P-07-PH10	MCM P17-082 A-27- 02 MCM P17-082 A-41- DET-50 More details to follow	Restraint/Fall Arrest System to be reviewed Stone paving to be confirmed with Landscape Architect Stone surface to meet the minimum PTV slip resistance of 36 WET	Perimeter upstands insulated and protected with Portland stone coloured cementitious board facing	BES 6001 and ISO 14007	Target: A rated, Prospect: B & C rated	BBA certified Required, Provide Certificate No. and 1 copy of Certificate, Comply with Certificate requirements
Terrace Level 6 Roof: RT08	6th Floor	Building No. 1 17 Charterhouse Street	A-B/8-9	In-Situ Concrete Slab on metal trough permanent formwork	Inverted	N/A	N/A	450mm	Uniform thickness insulation (XPS 200 mm)	J31/130H Liquid Applied Hot Melt	Stone paving Slabs, 600 x 600 x 50 mm Colour, finish and stone type to be confirmed by Landscape Architects.	0.16 W/m²K.	Pedestrian traffic	See MEP Consultants Drawing(s): 7278 P-07-PH10	MCM P17-082 A-27- 06 MCM P17-082 A-41- DET-50 More details to follow	Stone paving to be confirmed with Landscape Architect Stone surface to meet the minimum PTV slip resistance of 36 WET	Perimeter upstands insulated and protected with Portland stone coloured cementitious board facing	BES 6001 and ISO 14008	Target: A rated, Prospect: B & C rated	BBA certified Required, Provide Certificate No. and 1 copy of Certificate, Comply with Certificate requirements
Terrace Ramp Landing Roof: RT09	5th Floor	Building No. 1 17 Charterhouse Street	D-F/2-5	In-Situ Concrete Slab	Inverted	N/A	N/A	N/A	Uniform thickness insulation (45 mm VIP+XPS)	J31/130I Liquid Applied Hot Melt	Stone paving Slabs, 600 x 600 x 50 mm Colour, finish and stone type to be confirmed by Landscape Architects.	0.16 W/m²K ideally (VIP+XPS insulation panels to be used on this area to achieve the most reduced floor build up thickness)	Pedestrian traffic	See MEP Consultants Drawing(s): 7278 P-07-PH10	MCM P17-082 A-27- 05 MCM P17-082 A-41- DET-50 More details to follow	VIP insulation thickness to be confirmed Stone paving to be confirmed with Landscape Architect Stone surface to meet the minimum PTV slip resistance of 36 WET	Perimeter upstands insulated and protected with Portland stone coloured cementitious board facing	BES 6001 and ISO 14009	Target: A rated, Prospect: B & C rated	BBA certified Required, Provide Certificate No. and 1 copy of Certificate, Comply with Certificate requirements
Courtyard Roof: RT10	Ground floor	Building No. 1 17 Charterhouse Street	C-D/1-2 E-F/1-2	Existing in-Situ Concrete Slab	Cold roof Inverted	N/A	N/A	Approx. 395mm, subject to survey (courtyard) Refer to 41 series drawings for roof- cladding junction details	N/A (Cold room above and below)	Existing waterproofing (20 mm asphalt, tbc) Allow for Stripping back to structure and replace with new J31/110J Liquid Applied Hot Melt	20-40 mm washed pebble margins (Minimum 50 mm thick); tbc by Landscape Architects	N/A	Cleaning and maintenance only	See MEP Consultants Drawing(s): 7278 P-07-PH10	MCM P17-082 A-27- 01 MCM P17-082 A-41- DET-51 More details to follow	Levels to be confirmed	Perimeter upstands insulated and protected with Portland stone coloured cementitious board facing	BES 6001 and ISO 14010	Target: A rated, Prospect: B & C rated	BBA certified Required, Provide Certificate No. and 1 copy of Certificate, Comply with Certificate requirements
Raised Courtyard Roof: RT11	Ground floor	Building No. 1 17 Charterhouse Street	C-D/1-2 E-F/1-2	Existing in-Situ Concrete Slab	Cold roof Inverted	N/A	N/A	Approx. 395mm, subject to survey (courtyard) Refer to 41 series drawings for roof- cladding junction details	N/A (Cold room above and below)	Existing waterproofing (20 mm asphalt, tbc) Allow for Stripping back to structure and replace with new J31/110K Liquid Applied Hot Melt	Stone paving Slabs, 600 x 600 x 50 mm thick. Colour, finish and stone type to be confirmed by Landscape Architects.	N/A	Pedestrian traffic	See MEP Consultants Drawing(s): 7278 P-07-PH10	MCM P17-082 A-27- 01 MCM P17-082 A-41- DET-51 More details to follow	Levels to be confirmed Stone surface to meet the minimum PTV slip resistance of 36 WET	Perimeter upstands insulated and protected with Portland stone coloured cementitious board facing	BES 6001 and ISO 14011	Target: A rated, Prospect: B & C rated	BBA certified Required, Provide Certificate No. and 1 copy of Certificate, Comply with Certificate requirements
Stair Enclosure Roof RT12	6th & 7th floor	Building No. 1 17 Charterhouse Street	L-M/7-8 B-C/7-8	Metal deck	Flat/Pitched TBC Profiles Metal Roofing Warm roof	N/A	N/A	N/A	Constant thickness Stone wool	H31/120N	Metal cladding Pitch, Profile and Colour TBC	0.16 W/m²K	None anticipated (limited head room)	See MEP Consultants Drawing(s): 7278 P-07-PH10	MCM P17-082 A-27- 06 & -07 MCM P17-082 A-41- DET-51 More details to follow	Elephant Grating over on Level 6 limited headroom Open ait over on Level 7 Rainwater goods at roof perimete Lightning Protection	Perimeter upstands insulated and protected with Portland stone coloured cementitious board facing	BES 6001 and ISO 14014	Target: A rated, Prospect: B & C rated	BBA certified Required, Provide Certificate No. and 1 copy of Certificate, Comply with Certificate requirements
Ramp on Terrace Roof: RT13	5th Floor	Building No. 1 17 Charterhouse Street	D-F/4-5	In-Situ Concrete Slab on metal trough permanent formwork	Inverted	N/A	N/A	N/A	Variable thickness insulation (VIP & XPS thicknesses TBC to form ramped area)	J31/130M Liquid Applied Hot Melt	Stone paving Slabs, 600 x 600 x 50 mm thick. Colour, finish and stone type to be confirmed with Landscape Architects.	0.16 W/m²K ideally (VIP+XPS insulation panels to be used on this area to achieve the most reduced floor build up thickness)	Pedestrian traffic	See MEP Consultants Drawing(s): 7278 P-07-PH10	MCM P17-082 A-27- 05 MCM P17-082 A-41- DET-51 More details to follow	VIP insulation thickness to be confirmed Stone paving to be confirmed with Landscape Architect Stone surface to meet the minimum PTV slip resistance of 36 WET	Perimeter upstands insulated and protected with Portland stone coloured cementitious board facing	BES 6001 and ISO 14013	Target: A rated, Prospect: B & C rated	BBA certified Required, Provide Certificate No. and 1 copy of Certificate, Comply with Certificate requirements