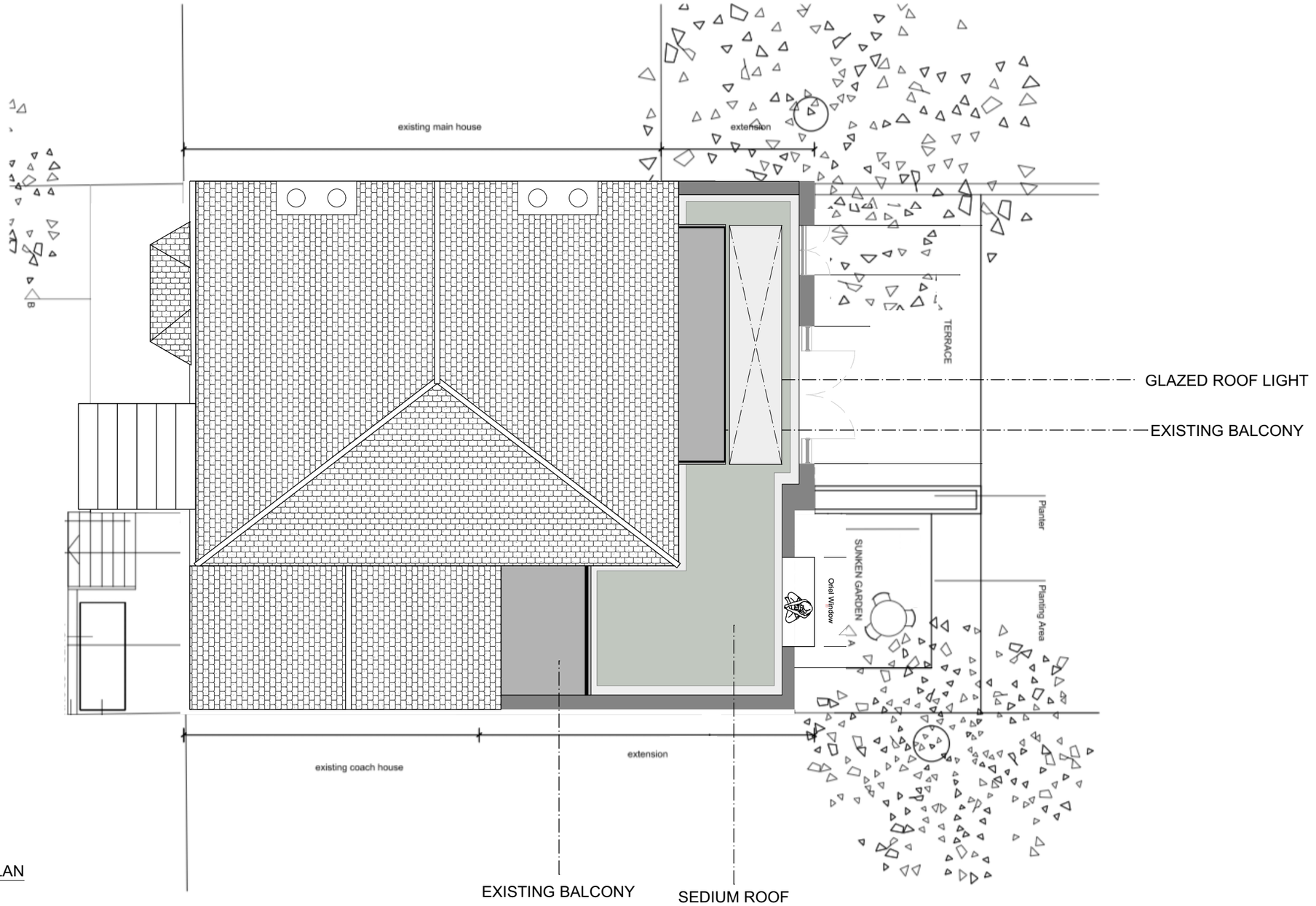
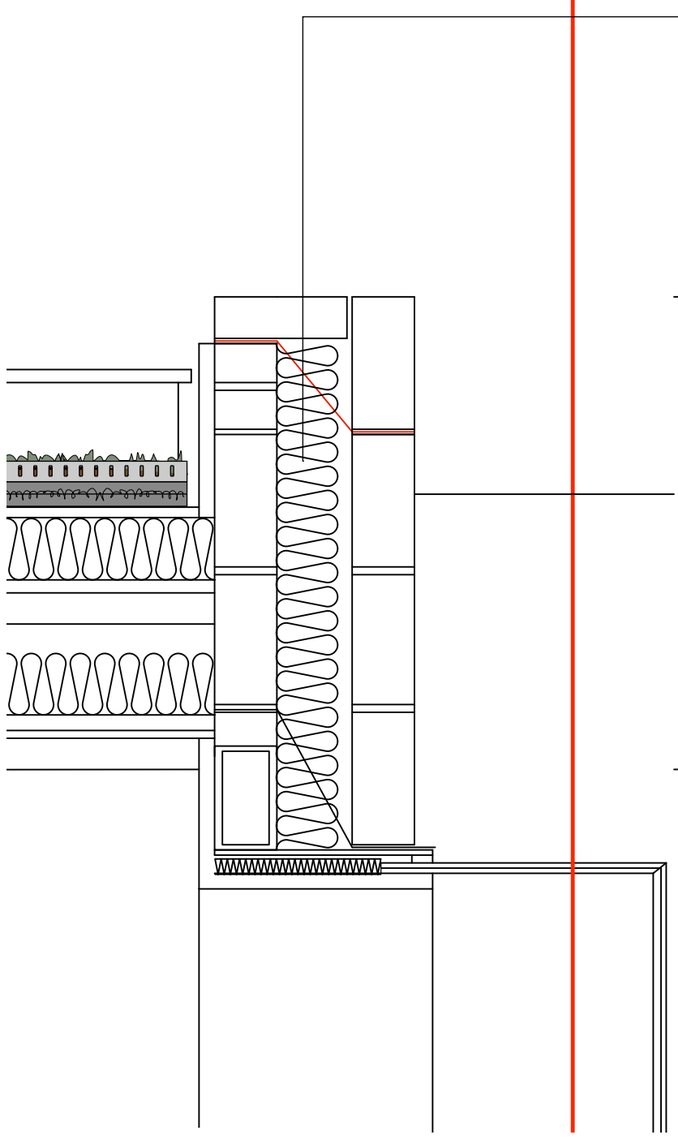


1 EXTENSION/SEDIUM ROOF TOP PLAN
Scale: 1:100

ALL&NXTHING
INTERIORS

SITE 20 - 20A PARKHILL ROAD, LONDON, NW3 2YN	DRAWING NO. S01	PROJECT NO. 1903
TITLE SEDIUM ROOF TOP PLAN	SCALE 1:100 @ A3	DATE 21.11.19

1 EXTENSION/SEDIUM ROOF LEVELS
Scale: 1:10



SEDIUM LEVELS

28mm XF301 SEDIUM SYSTEM
40mm AL40 EDGE TRIM
2 x 20mm SDF MAT DRAINAGE LAYER

PARAPET LEVEL + 22.075

CAVITY WALL:
100mm FACING BRICK
125mm CAVITY
(115mm INSULATION)
100mm FACING BRICK (PAINTED)

CEILING LEVEL + 21.350

TIMBER SOFFIT LEVEL + 21.300

The tabulated reference values are approximate only, and represent some of the key physical properties for substrates, as derived from the FLL guide (Section 16):

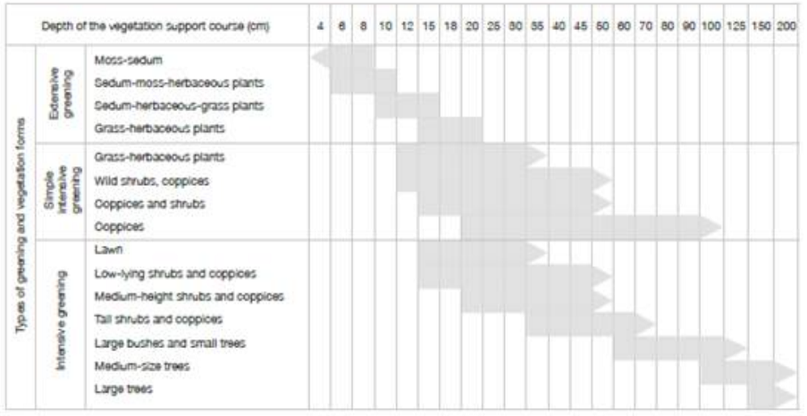
Properties	Reference Values	
	Extensive	Intensive
d ≤ 0.063mm	≤ 15% (by mass)	≤ 20% (by mass)
d > 4.0mm	≤ 50% (by mass)	≤ 40% (by mass)
Maximum Water Holding Capacity (MWHC)	≥ 25% ≤ 65% (by volume)	≥ 45% (by volume)
Air Content at MWHC	≥ 10% (by volume)	≥ 10% (by volume)
Water Permeability	0.6 - 70mm/min	0.3 - 30mm/min
pH Value	6.0 - 8.5	6.0 - 8.5
Organic Content	≤ 65 g/1	≤ 90 g/1

Acknowledgement to FLL Guidelines 2008

A depth of green roof substrate not less than 80mm is recommended on a sedum based green roof installation. For wildflower based systems a minimum depth of 100mm to 150mm will be required depending on the plant species specified. There are, however, applications where greater or lesser depths can be used based on individual manufacturers recommendations.

1. Where pre-grown vegetation mats are being used, the substrate depth may be reduced due to the depth of the substrate contained within the mat. For pre-grown sedum mats the minimum mat thickness should be 20 mm (most recent edition of FLL, 7.2.1). Pre-grown wildflower or biodiverse mats will be deeper.
2. Where manufacturers have developed systems for particular applications, providing a more limited range of benefits, but reducing the weight of the system. [In this instance, designers and installers should consult the manufacturer of these systems to confirm their performance and any increased maintenance and irrigation requirements].

A guide to typical minimum substrate depths is shown below, this is derived from the FLL guidelines. When specifying the appropriate substrate depth suitable allowance must be included for settlement post installation.



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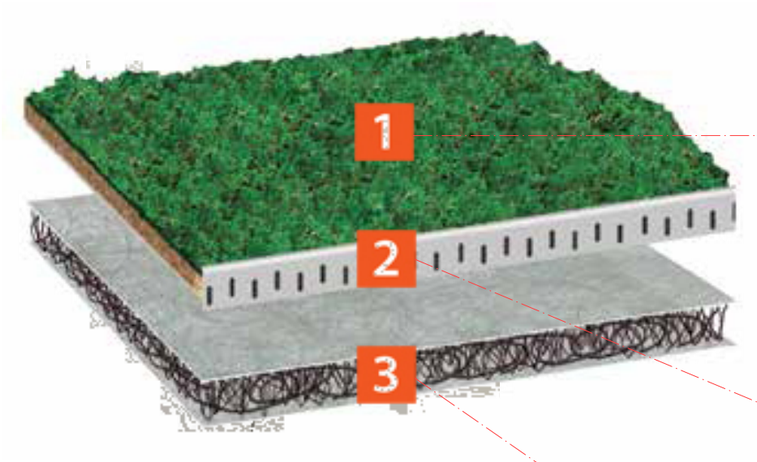
ALL&NXTHING INTERIORS

SITE	DRAWING NO.	PROJECT NO.
20-20A PARKHILL ROAD, LONDON, NW3 2YN	S02	1903
TITLE	SCALE	DATE
SEDIUM ROOF DETAILS & FLL GUIDELINES	1:10 @ A3	21.11.19

BAUDER XF301 SEDIUM SYSTEM



KEY FEATURES

- Lightest weight system at just 44Kg/m² (saturated weight loading)
- Installed directly onto the root resistant waterproofing
- Complete integrated system
- 11 species of sedum are grown in the blanket to ensure plant diversity
- Substrate is extremely lightweight
- Moisture retention layer and substrate keep system weight to minimum

SEDIUM SPECIES IN THE BAUER SYSTEM

- *Sedum acre*
- *Sedum album 'Bella d' Inverno'*
- *Sedum album 'Coral Carpet'*
- *Sedum ewersii*
- *Sedum kamtschaticum subsp. Ellacombianum*
- *Sedum kamtschaticum var. floriferum 'Weihenstephaner Gold'*
- *Sedum montanum subsp. orientale*
- *Sedum pulchellum*
- *Sedum rupestre (reflexum)*
- *Sedum sexangulare*
- *Sedum spurium mesemlanthemum = Delosferma*
- *Sedum spurium mesemlanthemum = hallii*
- *Sedum verticillatum*
- Total Coverage – delivered seeded

PRODUCT INFORMATION AND TECHNICAL PERFORMANCE		
Characteristic	**Unit**	**XF300 Sedum Blanket**
Maximum Saturated Weight	Kg/m²	≤44
Thickness	mm	34 - 44
Sedum and Saxifrage Species	Nos	14 - 17 species
pH Value		6.5 - 7
Typical Supply Size	m	1 x 2
Sedum Species	14+	The species mix is adjusted from time to time. Please contact Bauder Technical for further information
Long Rolls (for use with crane attachment)	m	5 to 10m
Material		Substrate and sedum plants, embedded in a nylon mesh, with a moisture retention fleece

PRODUCT INFORMATION AND TECHNICAL PERFORMANCE		
Characteristic	**Unit**	**AL40**
Material		1.5mm Aluminium
Trim Height	mm	40mm
Dimensions	mm	70 x 2,000
Corner Sections		Yes
Joint Sections		Yes
Supply Form		Boxes of 10 x 2m lengths

PRODUCT INFORMATION AND TECHNICAL PERFORMANCE			
Characteristic	**Test method**	**Unit**	**Value**
Weight (dry)	DIN EN 1848-1	Kg/m²	0.6
Weight (saturated)		Kg/m²	1
Water Storage		Ltr	0
Depth		mm	20
Size		m	1 x 50
Coverage		m²	50

CERTIFICATION AND ENVIRONMENTAL INFORMATION	
International Standards Organisation (ISO)	ISO 9001:2015 Quality Management Certificates EN1271 (UK) and 70499/03-15_e (Germany). ISO 14001:2015 Environmental Management Certificates A10552 (UK) and 70499/03-15_d (Germany). ISO 50001: 2011 Energy Management Certificate 70499/03-15_c
Product Descirption	Nylon loop mesh between two layers of geotextile fleece

ALL&NXTHING
INTERIORS

SITE	DRAWING NO.	PROJECT NO.
20-20A PARKHILL ROAD, LONDON, NW3 2YN	S03	1903
TITLE	**SCALE**	**DATE**
SEDIUM ROOF DETAILS	N/A	21.11.19