

making roofs secure.

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TECHNICAL DATA SHEET

BauderGREEN WB native wildflower blanket

A British grown vegetation Blanket designed for use on green roofs. Containing a broad mix of UK native wildflower species. Suitable to be laid on BauderGREEN SUB-BM UK biodiverse substrate.

Intended Use

BauderGREEN WB native wildflower blanket contains a broad mix of British Wildflower species, grown in substrate on a coir carrier (which is 100% biodegradable). The natural fibres of the coir carrier promote the rapid rooting of the blanket into the substrate below. The product is typically installed over BauderGREEN SUB-BM UK biodiverse substrate (see Technical Data Sheet). The vegetation is a mix of hardy Wildflowers, annuals, and herbs. The vegetation is cut back in the summer prior to delivery to reduce plant stress.

PRODUCT INFORMATION AND TECHNICAL PERFORMANCE		
Characteristic	Unit	Value
Maximum saturated weight	kg/m ²	≤ 30
Thickness	mm	30 to 40
Species	nos	36 wildflower species + 4 grass species (≤10%)
pH Value	pH	6.5 to 7
Material		Substrate and wildflower plants, grown on a coir mat carrier (100% natural product)
Typical roll size	m	0.5 x 2
Rolls per pallet	rolls	Typically 30-40 rolls - dependent on weight (30-40m)

DELIVERY AND PACKAGING	
Packaging	Rolls are stacked on pallets wrapped in woven polyester mesh. Pallets are readily recycled.
Storage	Use on day of delivery, store in cool conditions out of direct sunlight.
Delivery method	24 pallets per articulated trailer – dependent on weight (1040m)
Recycled content	(There is no recycled content to the packaging)
	≥ 95% recycled material


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System summary

BauderGREEN – extensive green roof

WB native wildflower system for pitched roofs

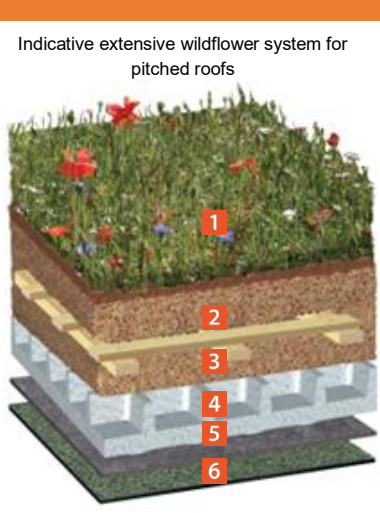
Suitable for pitched roofs from 5° to 25°. The square section cell and edge profiles of the WSP drainage board helps the system lock into place on the slope of the roof and means the boards holds more water than other drainage boards. The WB native wildflower blanket will root quickly to stabilise the substrate. The pre-grown blanket has up to 40 varieties of British native species, designed to give a long flowering season. The system is fully GRO and FLL compliant. This system is suitable for both new build construction and retrofit.

Function	Product name	Thickness (mm)	Weight (kg/m ²)
1 Wildflower vegetation*	BauderGREEN WB native wildflower blanket	30	30
2 Growing medium	BauderGREEN SUB-BM UK biodiverse substrate	100	120
3 Stabilisation	Wooden trellis (non Bauder product)	20 Integral	0.6
4 Drainage Layer	WPS 50 reservoir board	50	11
	WPS 75 reservoir board	75	22.5
5 Protection Layer	FSM 600 protection mat	4	3.6
6 Underlying Waterproofing	Bauder's underlying waterproofing system	Not included	Not included
System build-up (saturated)		164	165
		209	178

*Bauder supply various green roof systems to meet required biodiverse targets and other green roof requirements

In-depth and up-to-date product specific technical data is available for each element within a system. Download from our website bauder.co.uk/technical-centre

Please note: All green roofs require water during times of drought. Pitched roofs are particularly vulnerable. Bauder recommend that an irrigation system is installed with this system and the maintenance of this roof is considered and addressed during its design.



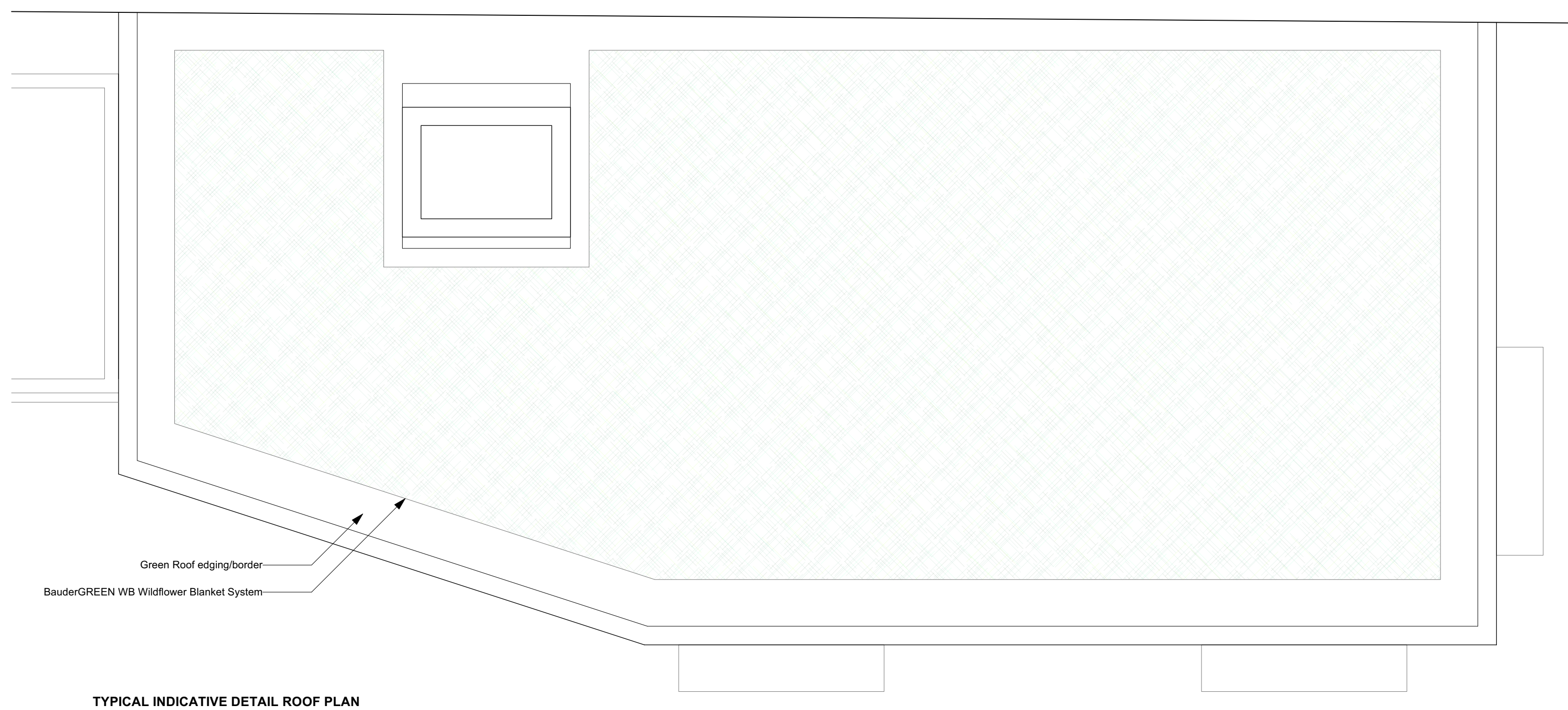
Indicative extensive wildflower system for pitched roofs

bauder.co.uk

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MAINTENANCE SCHEME

Text adapted from 'Bauder General Maintenance Wildflower/Biodiverse Systems' Document that can be found at www.Bauder.co.uk. For more maintenance information refer to the aforementioned document and relevant other guides on the manufacturer's website.

Health & Safety: All relevant health and safety procedures are to be followed when working at roof level for any future maintenance.

- All dead vegetation is to be removed of appropriately and disposed of.
- All unwanted leaf litter on the roof surface from overhanging trees both in the spring and autumn are to be removed.
- All rainwater outlets and downpipes are to be checked to ensure they are free from blockages and that water can flow freely away.
- The building owner should keep a record of all inspections and maintenance carried out on the roof.
- Any vegetation which has invaded into drainage outlets, vegetation barriers etc should be removed.
- In the late autumn the vegetation should be reduced back to a height of 50-70mm and unwanted waste matter raked up and removed.
- To promote growth, an application of 80mg/m² of slow release organic fertiliser to the vegetation may be required.
- Weeds are to be manually removed if they become an aesthetic problem or invasive.
- Vegetation to be watered (via hose at ground level) regularly upon initial installation and then to suit climate conditions particularly during droughts.
- The property owner has the option to have green roof maintenance provided by manufacture if desired.

SPECIES & DENSITY

Density/Coverage of vegetation is 100g per m², refer to adjacent image for example Bauder WB system. Example species list below, exact combination of plants may differ slightly.

WILDFLOWERS SPECIES

<i>Achillea millefolium</i> (Yarrow)	<i>Dianthus deltoides</i> (Pink; Maiden)	<i>Pilosella aurantiaca</i> (Fox-and-cubs)	<i>Silene uniflora</i> (Campion; White)
<i>Agrimonia eupatoria</i> (Agrimony)	<i>Dipsacus fullanum</i> (Teasel)	<i>Plantago media</i> (Hoary plantain)	<i>Succisa pratensis</i> (Devil's-bit scabious)
<i>Aquilegia vulgaris</i> (Columbine)	<i>Echium vulgare</i> (Viper's-bugloss)	<i>Primula veris</i> (Cowslip)	<i>Tanacetum vulgare</i> (Tansy)
<i>Bellis perennis</i> (Daisy)	<i>Feoniculum vulgare</i> (Fennel)	<i>Primula vulgaris</i> (Primrose)	<i>Thymus polytrichus</i> (Thyme; Wild)
<i>Campanula glomerata</i> (Bellflower; Clustered)	<i>Geranium pratense</i> (Crane's-bill; Meadow)	<i>Ranunculus acris</i> (Buttercup; Meadow)	<i>Trifolium pratense</i> (Clover; Red)
<i>Campanula rotundifolia</i> (Harebell)	<i>Linaria vulgaris</i> (Toadflax; Common)	<i>Rumex acetosa</i> (Sorrel; Common)	<i>Viola riviniana</i> (Common dog violet)
<i>Centaurea cyanus</i> (Cornflower)	<i>Lotus corniculatus</i> (Bird's-foot-trefoil; Common)	<i>Salvia verbenaca</i> (Clary; Wild)	<i>Viola tricolor</i> (Pansy; Wild or Heartsease)
<i>Centaurea nigra</i> (Knapweed; Common)	<i>Lythrum salicaria</i> (Purple; Loosestrife)	<i>Scabiosa columbaria</i> (Scabious; Small)	
<i>Chicorium intybus</i> (Chicory)	<i>Malva moscata</i> (Mallow; Musk)	<i>Scorzonoides autumnalis</i> (Hawkbit; Autumn)	
<i>Climpodium vulgare</i> (Basil; Wild)	<i>Origanum vulgare</i> (Marjoram; Wild)	<i>Silene dioica</i> (Campion; Red)	
<i>Daucus carota</i> (Carrot; Wild)	<i>Papaver rhoeas</i> (Poppy; Field or Common)	<i>Silene flos-cuculi</i> (Ragged-Robin)	

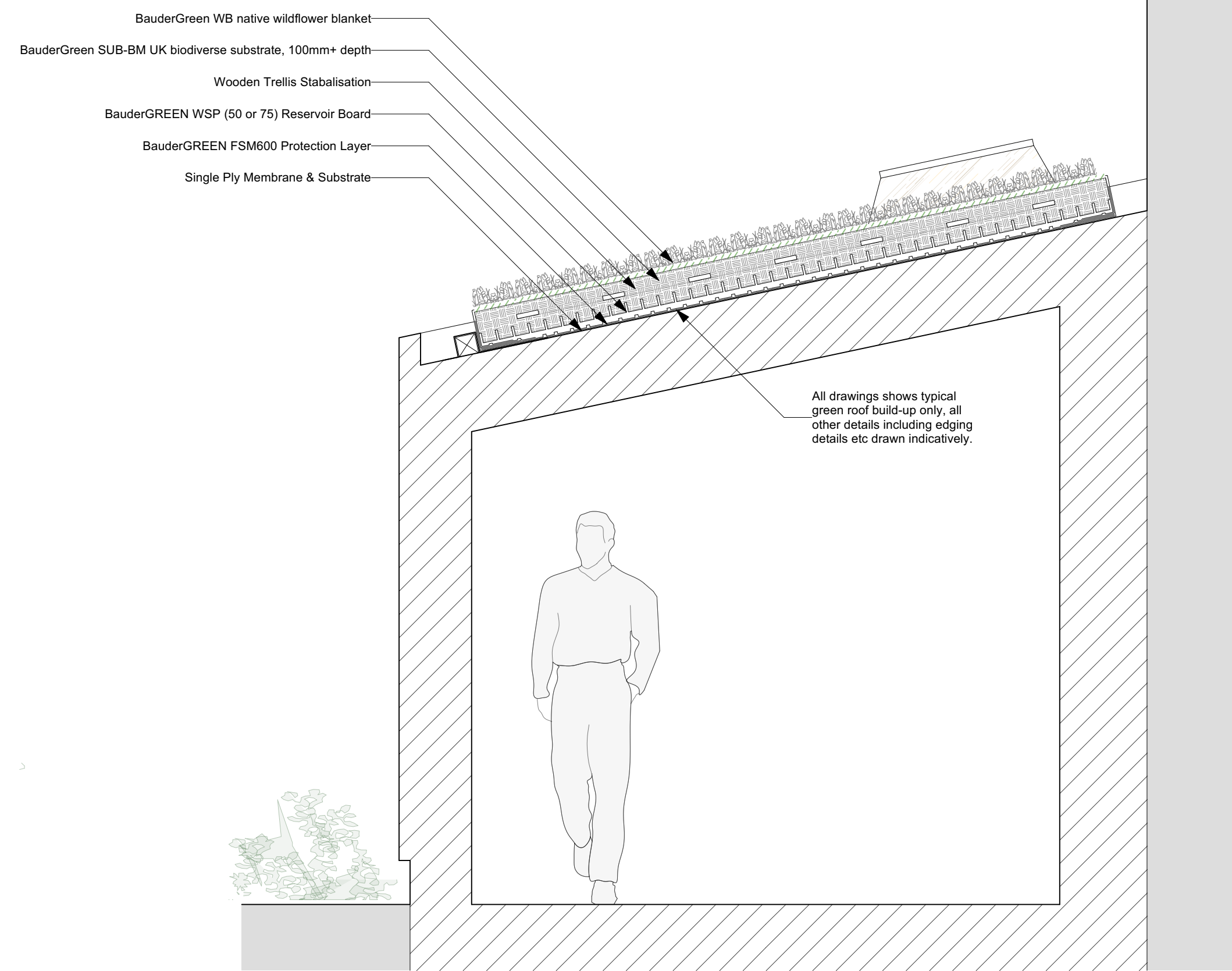
GRASS SPECIES

<i>Festuca ovina</i>	Sheepfescue
<i>Festuca rubra</i>	Slender Creeping Red Fescue
<i>Briza media</i>	Quaking-grass
<i>Hordeum brachyantherum</i>	Barley; Meadow



Image sourced from www.Bauder.co.uk showing density/coverage of WB System.

BauderGREEN WB Wildflower Blanket System



Notes
- All contents copyright.
- Do not scale.
- Based on survey by others.
- Contractor to verify all dimensions on site.
- Read in conjunction with all relevant Architect's, Consultant's & Supplier's information.
- Report any discrepancies to the Architect.