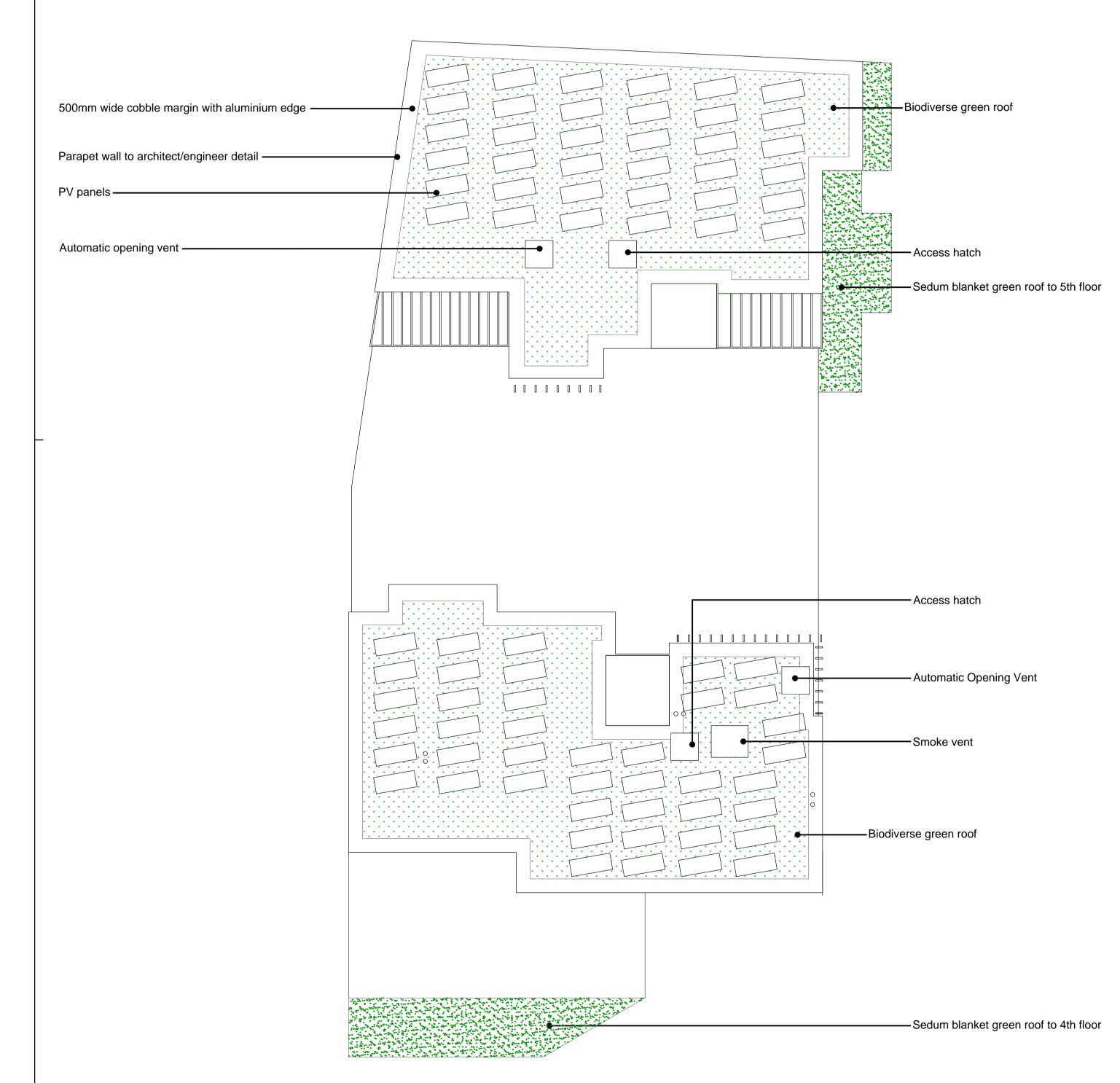
# Green Roofs Indicative Details

159-161 Iverson Road, Hampstead, London

Formation Homes (London) Ltd.





This drawing and design are the copyright of Lloyd Bore Ltd. Do not scale from this drawing.

All dimensions to be checked on site by contractor prior to commencement of any work.

All materials, components and workmanshi shall comply with the relevant British Standards Codes of Practice and manufacturers written

#### **TECHNICAL DATA SHEET Bauder Xero Flor XF301 Sedum Blanket**

## DESCRIPTION

A pre-cultivated vegetation blanket on a patented nylon loop and

base carrier with substrate growing medium. The pre-attached

retention fleece provides some water storage.

## **TECHNICAL DATA:**

## Composition

Mineral component recycled crushed brick and expanded clay shale Organic component composted pine bark

## **Technical Performance**

pH value 6.5 – 7

Vegetation support layer geo-textile carrier filter layer with bonded **UV** resistant

nylon loops

Moisture retention fleece recycled fibres (80%man-made, 20%

#### Weights and sizes

Standard roll width 1 metre

Standard roll length 2 metres

Non-standard lengths up to 10m (cut only in increments of 1m) Thickness: ca. 28mm (excluding vegetation)

Saturated weight: 44Kg/m<sup>2</sup>

## Fire Rating

BS 476 Part 3:2004 Ext. F. AA

## Supply Form

Rolls of blanket to specified lengths (as above)

### GENERAL MAINTENANCE

Green roof will require 2 no. maintenance visits per year to align with standard roof checks.

## Maintenance will include:

- Removal of unwanted/encroaching vegetation
- Weeding Repairing bare patches
- Annual application of fertiliser.

Full maintenance schedule to be provided by manufacturer.

Note: Details shown are indicative only. Green roof detailed design to be carried out by supplier, and agreed with client and structural engineer.

BAUDER XF301 SEDUM VEGETATION BLANKET

BAUDER VAPOUR BARRIER

Bauder indicative sedum green roof detail

Scale 1:10

## SEDUM SPECIES IN CURRENT BLANKETS

# 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

Ray Stephenson is one of the worlds leading authorities on sedum plants and is the chairman of the Sedum society. He was commissioned by Strodhoff & Behrens last year to produce a study report on sedum species particularly suited to the UK climate, including coastal and exposed sites. This is the basis of the plants currently used within our blankets (although many of these were already being used).

There are currently 13 varieties used (dependent upon seed availability – see above). The mix will vary from blanket to blanket, but we expect at least eight species present in each blanket. The percentage mix of each species is also variable. Most species are self-propagating, but there are also some that naturally seed and then die afterwards, but will return the following year.

To date, we are the only company with a blanket produced in the UK that is compliant with FLL regulations and that has a BRE certified FAA fire rating. Part of this test is reliant upon a blanket that does not contain too much organic content and sedum species that does not produce too much dead vegetation after flowering. It is the volume of dead vegetation that creates a fire risk in dry weather conditions.

Species develop according to the location. Inevitably, some species will dominate a site more than others and it is to be expected that accordingly some species may not survive long-term. The key to maintaining variety is annual maintenance and fertiliser at the correct time, to keep all species happy.

### **TECHNICAL DATA SHEET Bauder Xero Flor XF118 UK Native Species** Wildflower Blanket

#### **DESCRIPTION**

Bauder Xero Flor XF118 is a UK native species wildflower blanket that is unique amongst bio-diverse vegetation mat products developed for use in green roof systems, as it uses a polypropylene mesh substrate retention layer bonded to a moisture permeable base carrier sheet. This ensures that the blanket substrate doesn't compact over time and helps maintain the vegetation in optimum condition. The vegetation within this product is a mix of hardy wild flowers, alpines and herbs, all of which are considered native to the United Kingdom.

Bauder XF118 is intended for application directly on to Bauder Extensive Substrate, which provides the main growing medium. The blanket should not be used on slopes in excess of 15°. This is for practical and safety reasons associated with the annual maintenance and the cutting back and removal of dead vegetation.

# **TECHNICAL DATA**:

# Composition

Mineral component Aggregate, expanded clay shale Organic component Compost

#### **Technical Performance** pH value 6.5 – 7

Vegetation support layer Geo-textile carrier filter layer with bonded

## resistant nylon loops

## Weights and sizes

Standard roll width 1 m Standard roll length 2 m

Thickness: ca. 25mm (excluding vegetation)

Max. Saturated weight ca. 42kg/m² (use for weight load calculation)

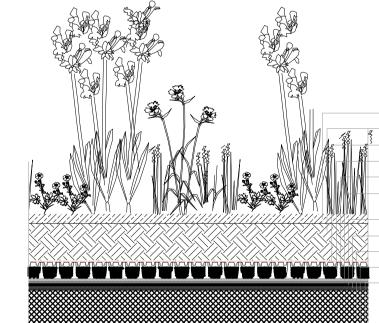
Transport weight ca.30kg/m² (wet weight / mown vegetation)

## Supply Form 2m x 1m Rolls

Linaria vulgaris

# **XF118 INDICATIVE SPECIES LIST**

Achillea millefolium Lotus corniculatus Armeria maritima Lychnis flos-cu-culi Bellis perennis Papaver rhoes Campanula glomerata Pilosella aurantiaca Campanula rotundifolia Prunella vulgaris Rhianthos minor Centaurea cyanus Centaurium erythrea Saponaria officianalis Dianthus deltoides Scabiosa columbaria Echium vulgare Sedum acre Galium verum Silene uniflora Geum rivale Silene vulgaris



BAUDER XF118 WILD FLOWER BLANKET BAUDER EXTENSIVE SUBSTRATE/100mm BAUDER DSE40 BOARD/40mm BAUDER FSM600 PROTECTION FLEECE BAUDER PE FOIL LAYER (required for BAUDER ROOT RESISTANT CAPPING SHEET BAUDER UNDERLAYER

BAUDER PIR INSULATION

TYPICAL SECTION DETAIL / BUILD-UP / DSE40 BOARD 0 - 5° SLOPE Bauder indicative biodiverse green roof detail Scale 1:10

# rev date. **05/12/14** revision note.

3306 DR 003-B drawing no. client & project. Formation Homes (London) Ltd

Thymus polytricus

Prop. residential development (19 unit) Hampstead, London

159-161 Iverson Road

Green Roofs Indicative Details

Planning drawn by. **SH** checked by. **JB** 

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