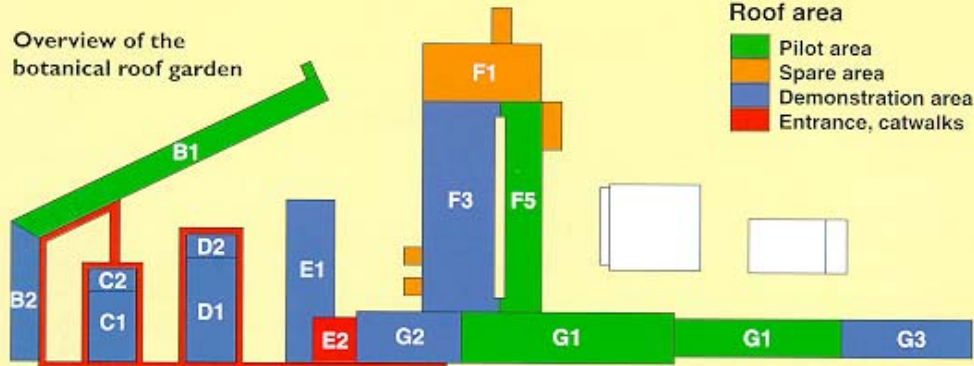


## 9.500 m<sup>2</sup> of green roofs at Augustenborg!

### Overview of the botanical roof garden



#### Roof B1

Studies and demonstrations of different slopes and drainage layers and their impact on plants as well as on the outflow of rain water. Pre-fabricated moss and sedum mats with identical vegetation cover all surfaces.

Soil layer: approx. 3 cm

Drainage layer: 1-3 cm, depending on the material used.

#### Roof B2

Demonstration of the way plants are influenced by the water storage capacity of various drainage layers. The areas are covered by pre-fabricated moss and sedum mats with identical species (with one exception).

Soil layer: approx. 3 cm

Drainage layer: 1-3 cm, depending on the material used.

The outflow of rain water from certain areas will be quantified.

#### Roof C1

Roofs with reinforced roof construction. Demonstration of possible plant material for thicker soil layers, up to 18 cm. Herbs and grass in various combinations are used in addition to sedum and mosses.

#### Roof C2

A botanical part where each of the species that can be used for thicker soil layers, up to 18 cm, are displayed individually in 1 x 1 m quadrants.

#### Roof D1

Different methods of establishment and their development over time. The development of pre-fabricated mats, in situ planting, and in situ sowing areas are studied.

#### Roof D2

A botanical part where each of the moss and sedum species that can be used for thinner soil layers are planted individually in 1 x 1 m quadrants.

#### Roof E1

Demonstration area demonstrating different ways a sedum roof could be combined with e.g. sand, marble or crushed brick. The roofs may only be studied from a certain distance.

#### Roof area

- Pilot area
- Spare area
- Demonstration area
- Entrance, catwalks

#### Roof E2

Demonstration area, that differs from E1 in terms of providing small areas, possible to study more closely.

#### Roof F1

Spare area.

#### Roof F3

Demonstration area for particularly thin layers - to be studied from a certain distance only.

#### Roof F5

Experimental area for use of alternative materials, primarily recycled, in soil mixtures and drainage layers. The surface will be used as an experimental area for alternative methods of establishment.

#### Roof G1

Experimental area for studies of 3 different soil mixtures combined with 5 different mixtures of species and 5 different methods of establishment.

#### Roof G2

Demonstration area for manufacturers of sedum roofs.

#### Roof G3

Demonstration area: laying on steeper roofs, slope of approx. 20°

### Basic construction of green roofs

