Longitudinal sections & details

Section C | 1:200

Section B | 1:200

Detail C1

Detail C2

Detail  | 1:10

Detail | 1:10

Detail C1  | 1:10

Detail C2  | 1:10

Detail B1

Detail B2

Timber frame to be defined by woodworker

Fluorescent lamp

21 mm Accoya treated open woodwork boarding (Radiata Pine)

30 mm battens

Stamisol FA UV-resistant breathable waterproof membrane

70 mm thermal insulation

Vapour barrier

600/250 LVL timber beam

250 micro m ETFE foil, 2 layers translucent foil, filled with Argon gas

Non-stick properties: self-cleaning

15+70 mm insulated toe board cement gray

Space for ventilation shafts and Argon air supply of ETFE cushions

Fluorescent lamp and ventilation inlet

Wind post

Timber frame to be defined by woodworker

200 mm insulated hollow core slab, Rc=3,5 m² K/w

150 mm thermal insulation

Membrane

50 mm concrete screed with floor heating

36 mm LVL timber plate

Floor joists spacing 300 mm

Drainage gutter

1.2 mm foil seal adhesive fixed to

3 mm galvanized sheet steel

21 mm Accoya woodwork boarding (Radiata Pine)

25/30 counterbattens

20/30 mm battens

Stamisol FA UV-resistant breathable waterproof membrane

190 mm thermal insulation, 160/50 mm timber ribs

30 mm Kerto stabilizing LVL sheet

160 mm thermal insulation

Vapour barrier

12.5 mm perforated acoustic plate

Secondary roof beams

Lamps

600/250 mm LVL portal beam

250 micro m ETFE foil, 2 layers translucent foil, filled with Argon gas

Non-stick properties: self-cleaning