

C. The prefabricated Floor

solid wood section, 6x24x600[cm], 72 [kg]
CLT wood panel, 2x280x600[cm], 163[kg]
sheep wool insulation, 4.3[m³], 17[kg]
module, 28x280x600[cm], 788[kg]

in the workshop:
-wood sections cut
-frame assembled with screws
-filled with sheep wool
-closed with CLT panels screwed
on site:
-floor module lifted by crane
-manipulated and installed by workers on bearing walls

B. The Scaffold

pole wood section, 20x25x330[cm], 163 [kg]
beam wood section, 10x25x600[cm], 150 [kg]
beam wood section, 10x20x150-300[cm], 30-75 [kg]
floor solid wood section, 5x5x150-300[cm], 4-75 [kg]

in the workshop:
-wood section cut
on site:
-wood pole lifted by crane
-manually assembled with wood dowel

D. The prefabricated Wall

solid wood section, 7x26.5x330[cm], 34 [kg]
hemp insulation, 1.41[m³], 17[kg]
CLT wood panel, 2x280x300[cm], 61[kg]
wood lathing, 3.5x8x300[cm], 5[kg]
swedish paint
module, 36x300x330[cm], 500[kg]

in the workshop:
-wood sections cut
-timber frame assembled
-closed with CLT panel screwed
-filled with hemp insulation
-wood lathing screwed on CLT panel
-wood cladding nailed on wood lathing
on site:
-panel lifted by crane
-manipulated and installed by workers

E.2 The Heating System

hot water pipes, d=2[cm]
cold water pipes, d=2[cm]

radiator, 30[kg]
on site:
-placement measured
-pipes pulled through prefabricated floor
-radiator installed
-pipes assembled to radiator

E.3 The Electric System

electric cables
electric sheaths

on site:
-placement measured
-cables pulled through prefabricated floor
-electric sheaths fixed on walls and ceiling
-electrical cables pulled into sheaths

E.1 The Sanitary Installation

hot water pipes, d=4[cm]
cold water pipes, d=4[cm]
used water pipes, d=10[cm]

on site:
-placement measured
-pipes pulled from the floor below
-pipes pulled from technical ducts
-water elements carried by lift installed
-shower, toilet, sinks connected to the pipes

F.1 Finishing- The wooden Floor

wood tiles, 30x30x1[cm], 0.5[kg]
top oil

in workshops:
-wood tiles prefabricated
on site:
-wood tiles nailed on the floor
-wood tiles coated with top oil

F.1 Finishing- The wooden Wall

solid wood section, 3x5x170[cm], 15[kg]
wood plank, 3x5x170[cm], 10[kg]
paint

on site:
-wood section cut
-wood section drilled and screwed on wall
-wood section fixed on wall
-wood plank nailed on wall
-wall painted

A. The Foundations

gravel
concrete (cement, water, aggregates)
scrap metal
shuttering board

on site:
-foundations dug by excavator
-earth moved and distributed on site
-Reinforced foundations
-Formed foundations
-poured concrete
-Demoulded concrete
-backfilled periphery