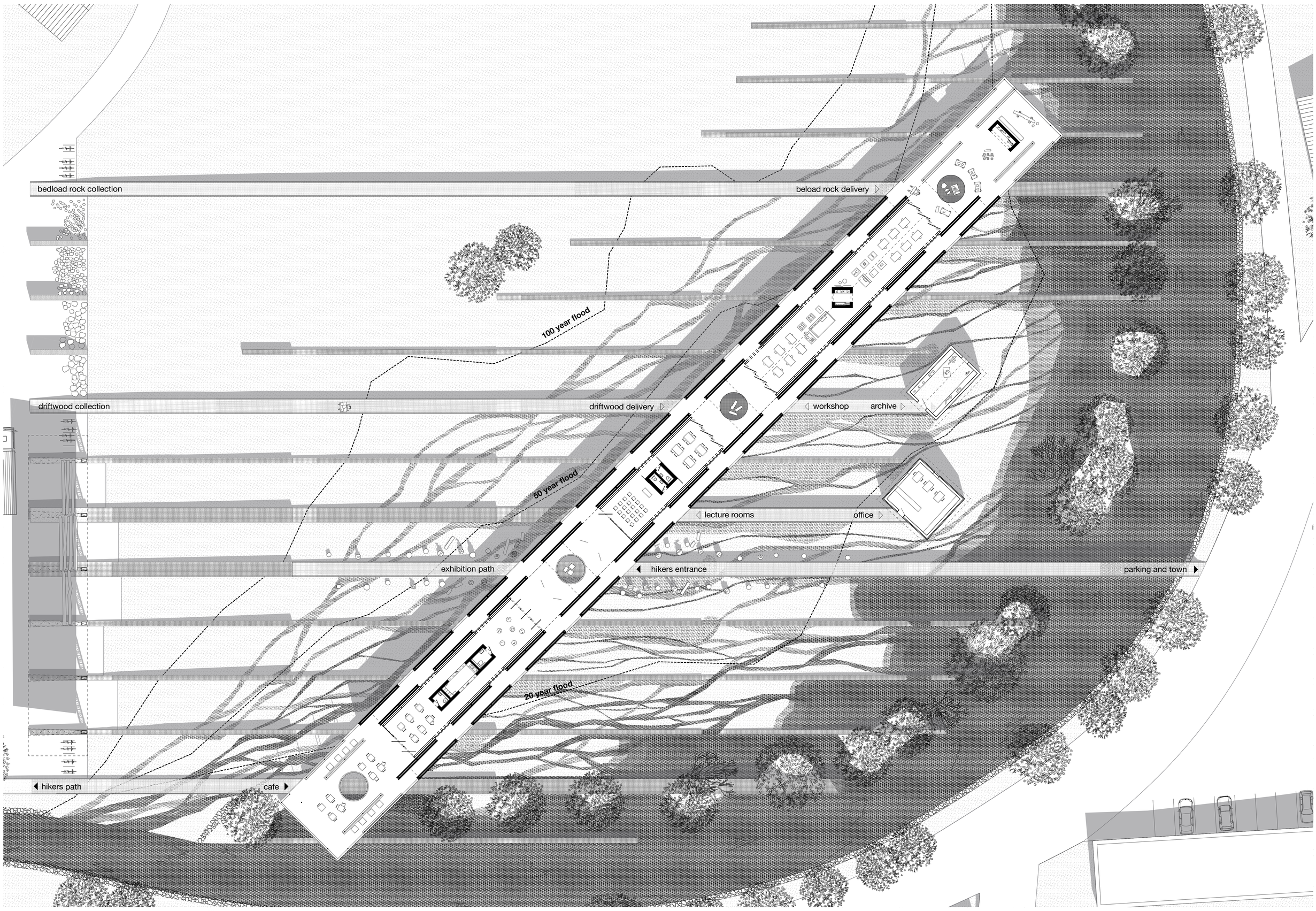
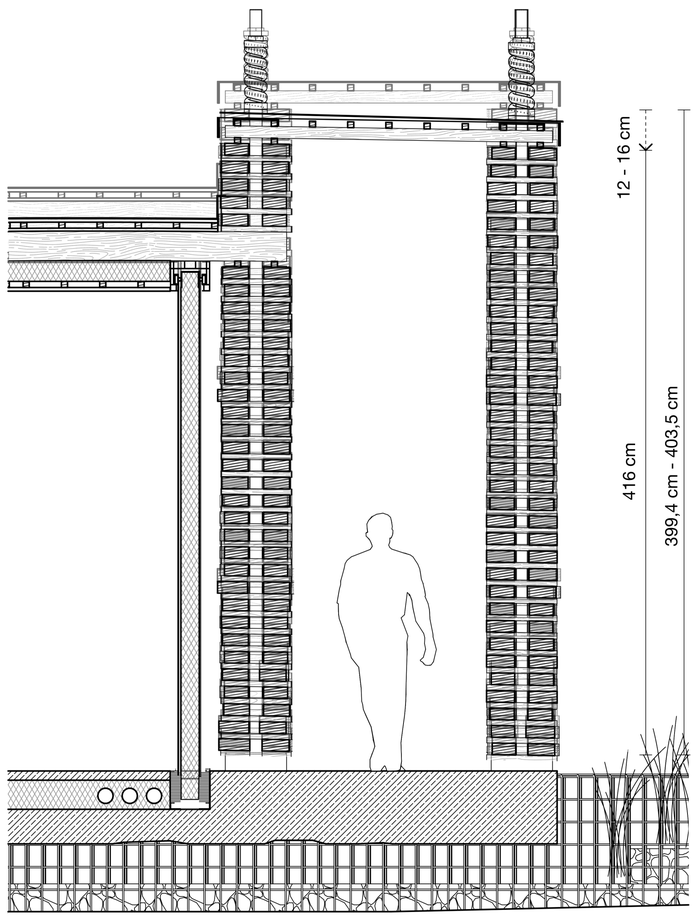


flood zone as buffer for the town **1:1000**

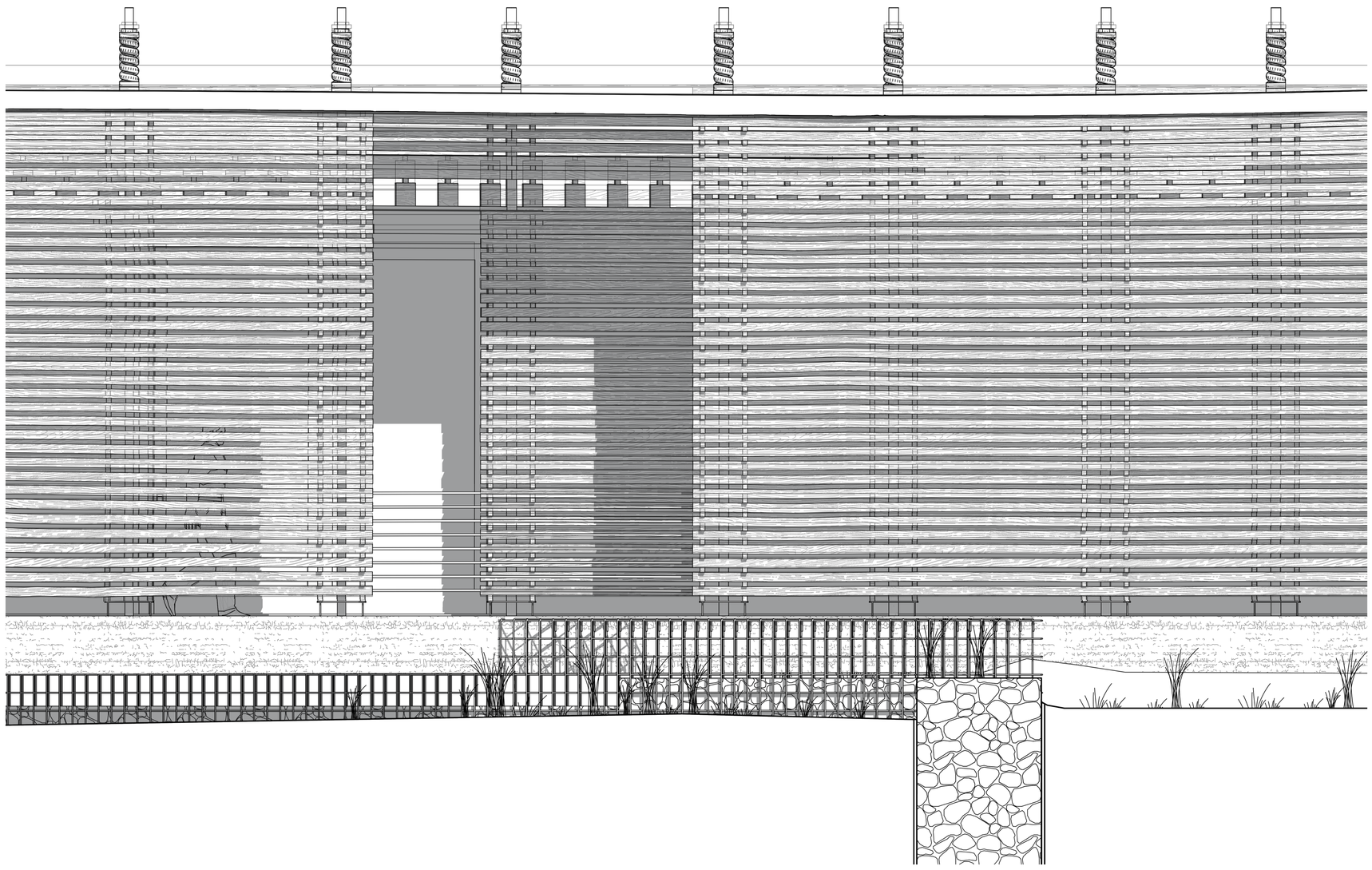


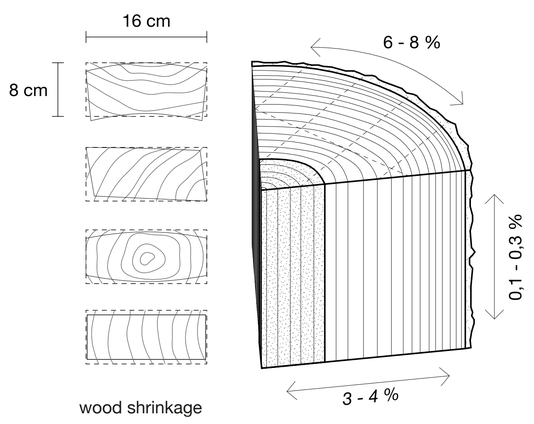


river development along flood probabilites **1:200**

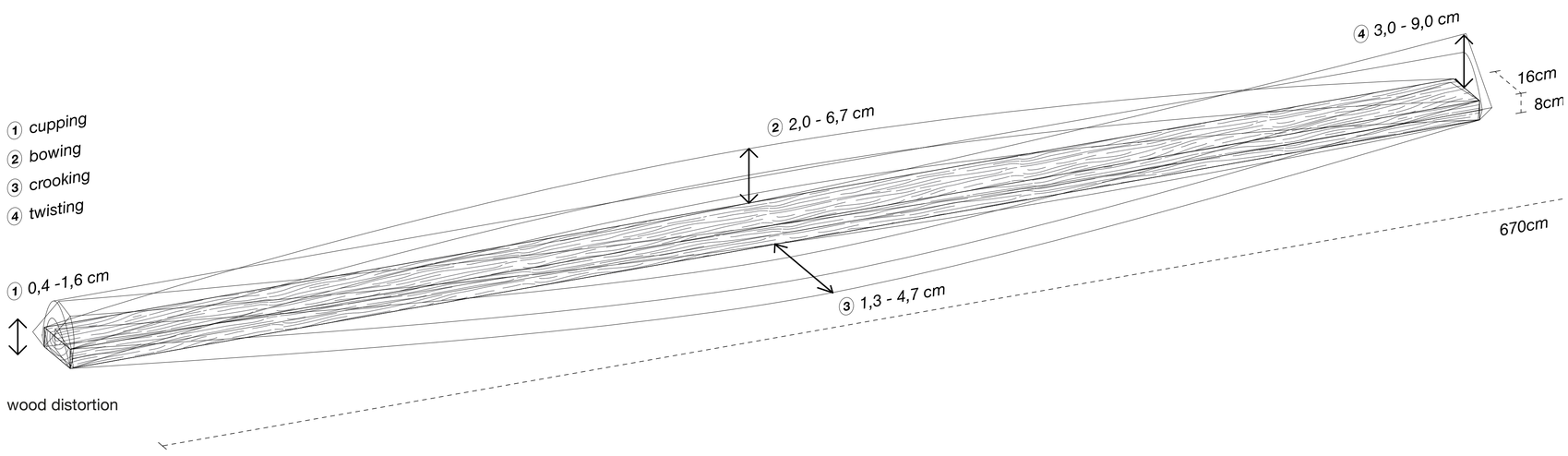


façade movement during drying **1:20**





wood shrinkage



wood distortion

roof
sheet metal 0,4 mm
wooden board 24 mm
wooden counter battens 40 x 40 mm
underlay membrane
wood fibre insulation board 22 mm
structural timber beams 160 x 200 mm
mineral wool 140 mm
mineral bonded wood wool board 24 mm

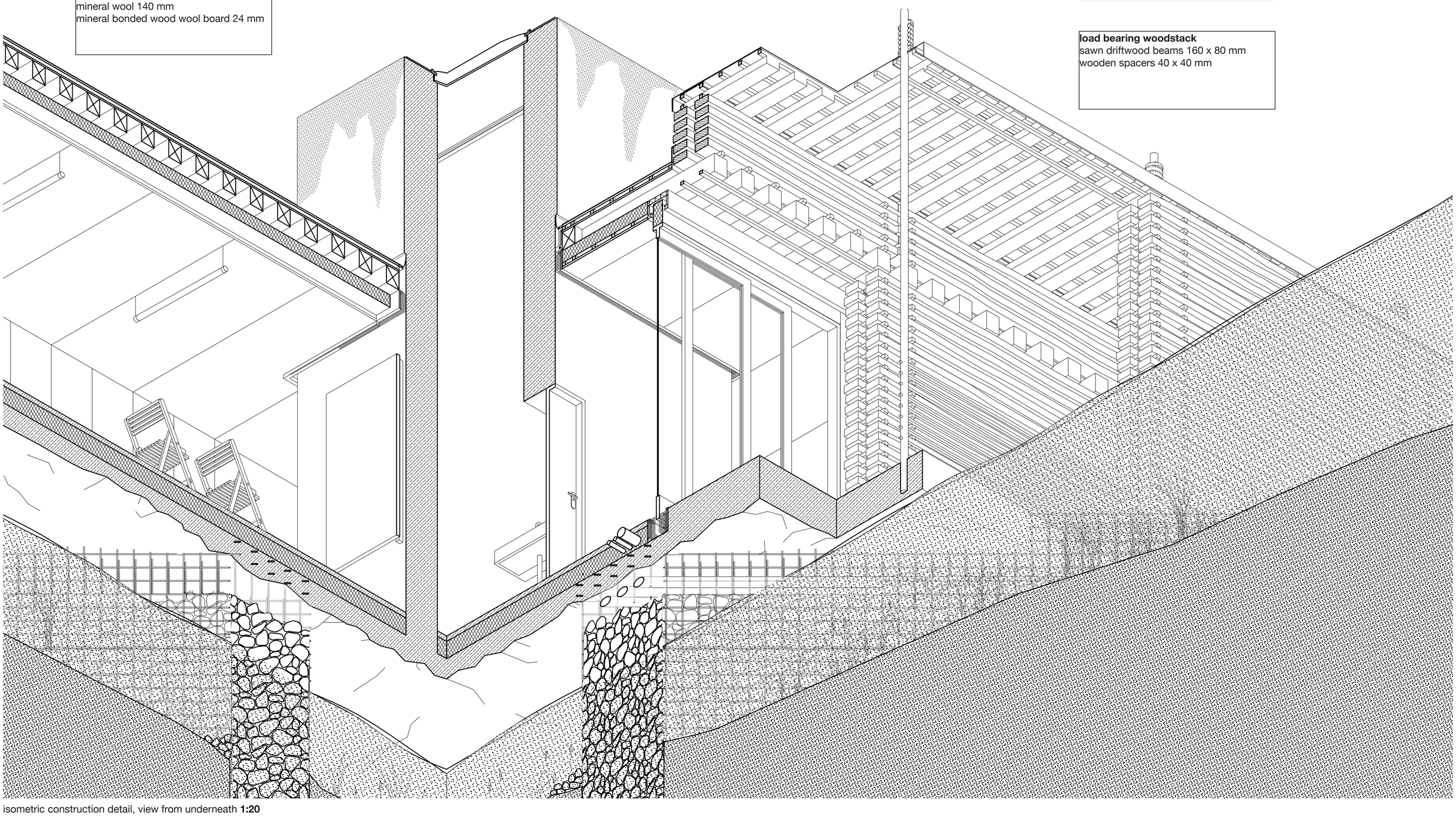
core
double glazed skylight
insulating concrete walls 400 mm

floor
polished concrete 60 mm
insulation, floor heating and piping 180mm
reinforced concrete 200 - 600 mm
gabion walls dug up to 3 m into the soil

suspended walls
brushed stainless steel panels
12 cm rockwool insulation
integrated sliding door system

hallway cover
adjustment nut
compression spring
threaded steel rod 80 mm
sheet metal 0,4mm
wooden counter battens 40 x 40 mm
wooden beams 160 x 80 mm

load bearing woodstack
sawn driftwood beams 160 x 80 mm
wooden spacers 40 x 40 mm



isometric construction detail, view from underneath **1:20**