FINAL DESIGN BOOKLET

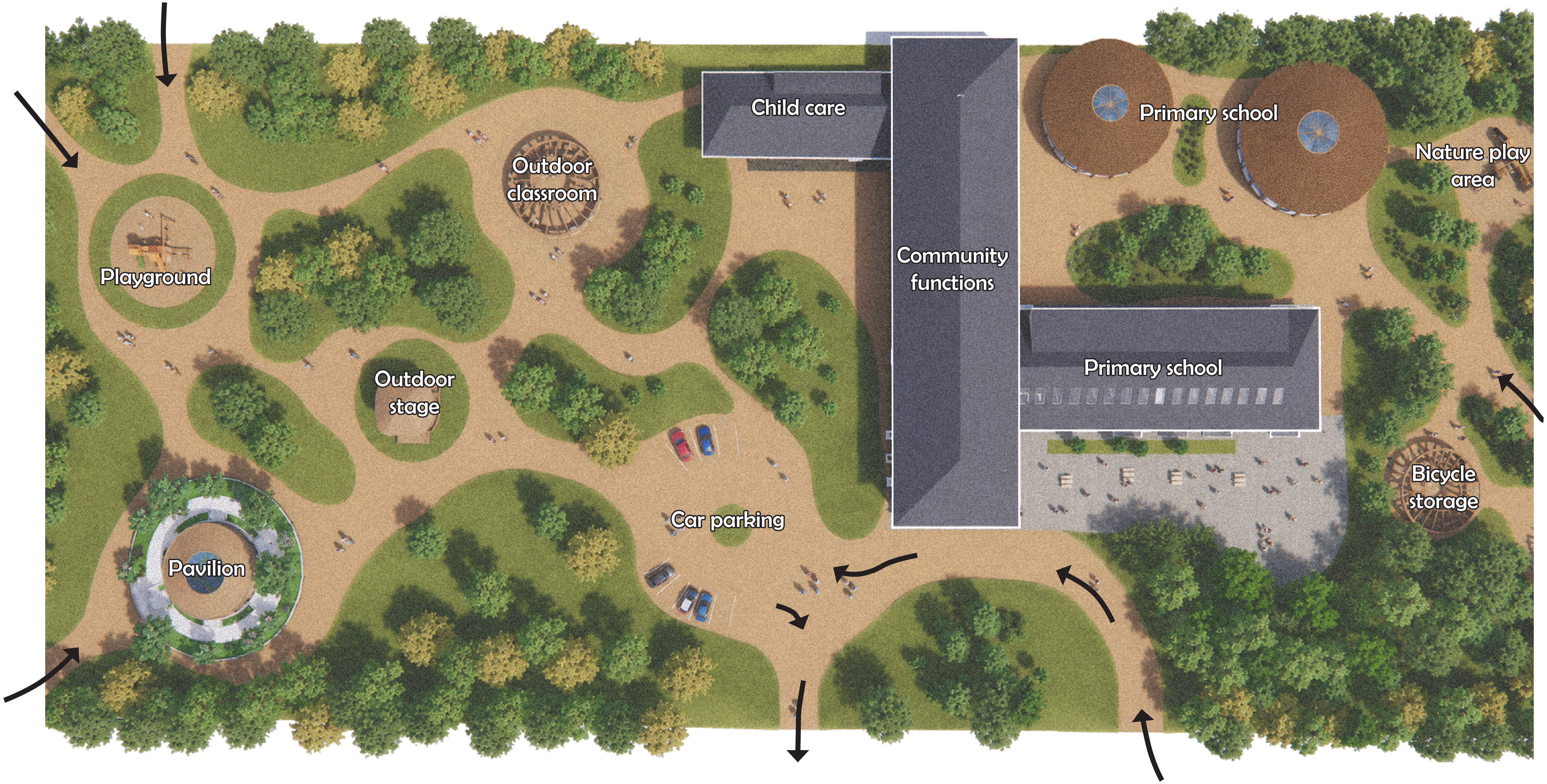
FROM HIERARCHY TO HARMONY

Adaptive Reuse of the Officer's Casino Soesterberg Inspired by Waldorf Education

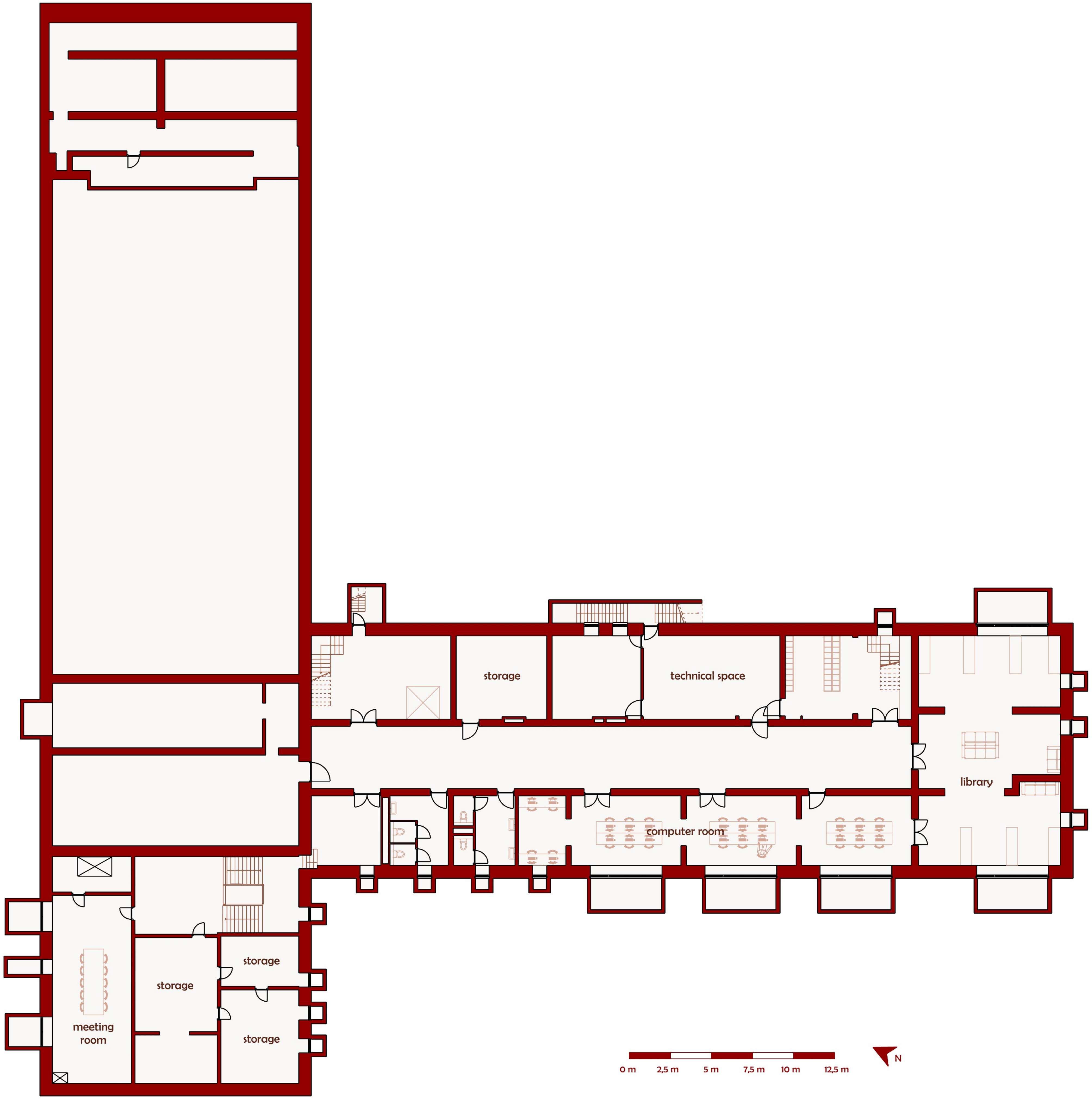
Adaptive Reuse of Heritage
Graduation studio

Lieke Gudde 5103681

Masterplan

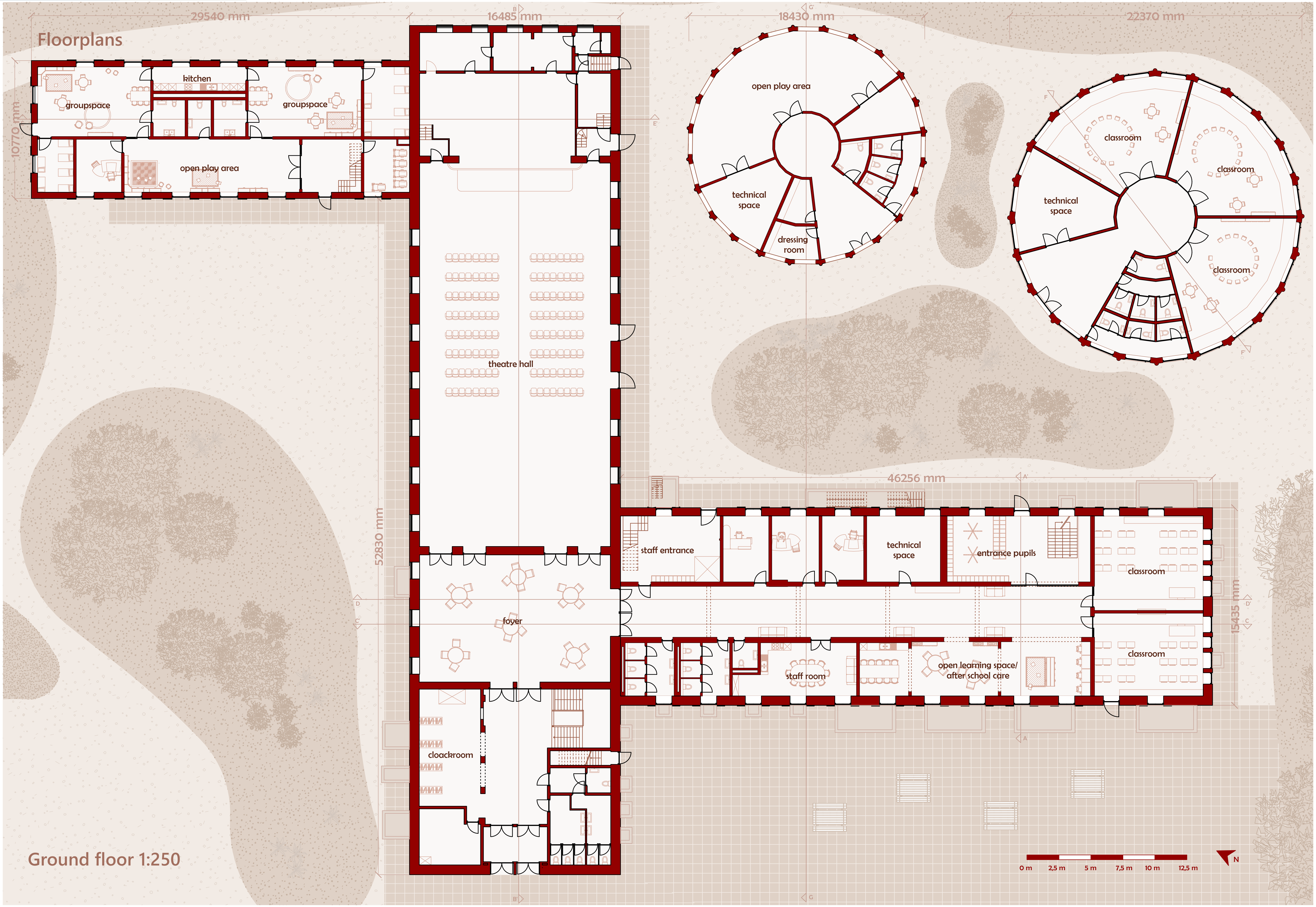

Child care
Primary school
Nature play area
Outdoor classroom
Playground
Community functions
Primary school
Outdoor stage
Bicycle storage
Car parking
Pavilion

Floorplans



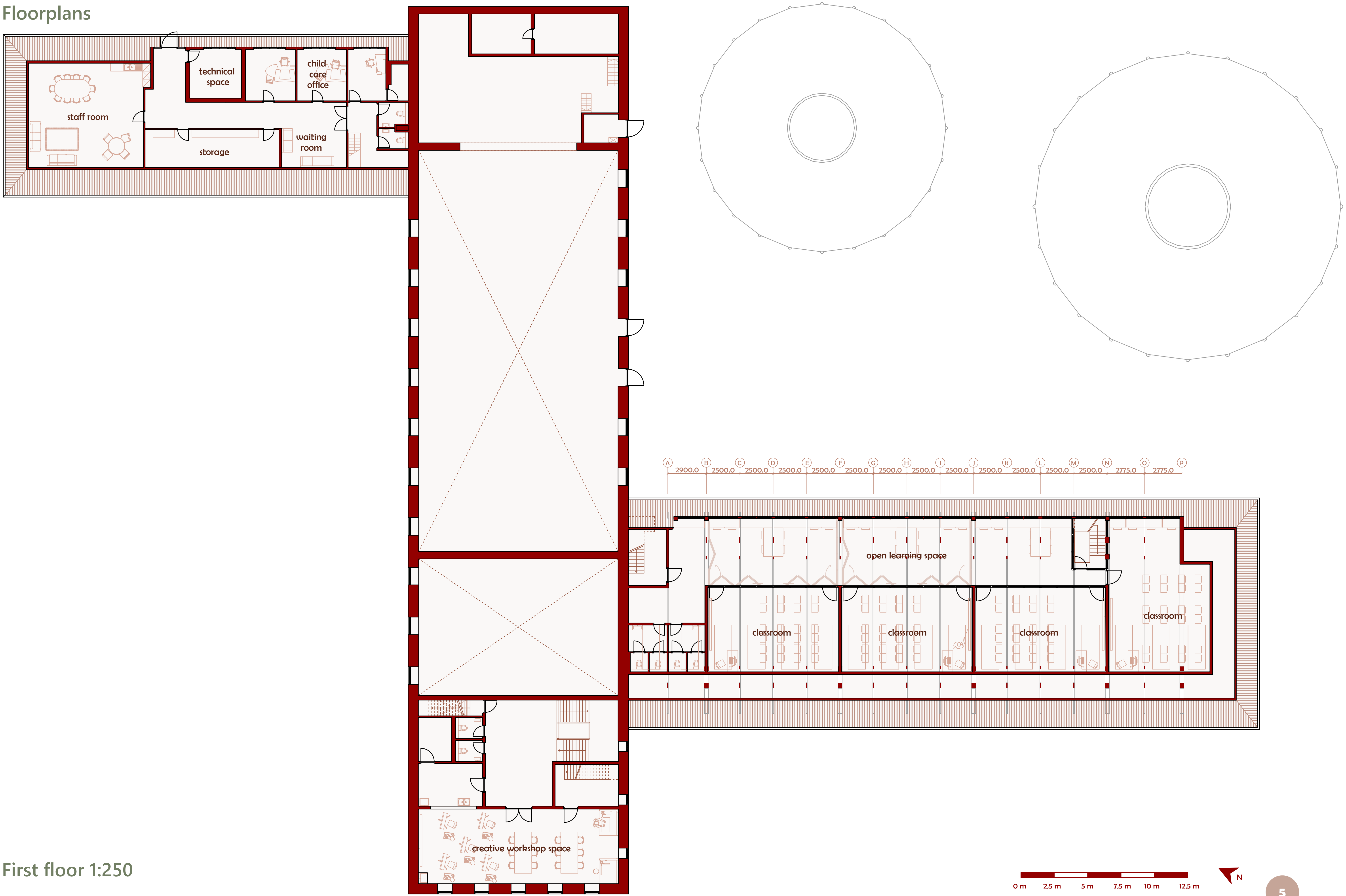
Basement 1:250

Floorplans



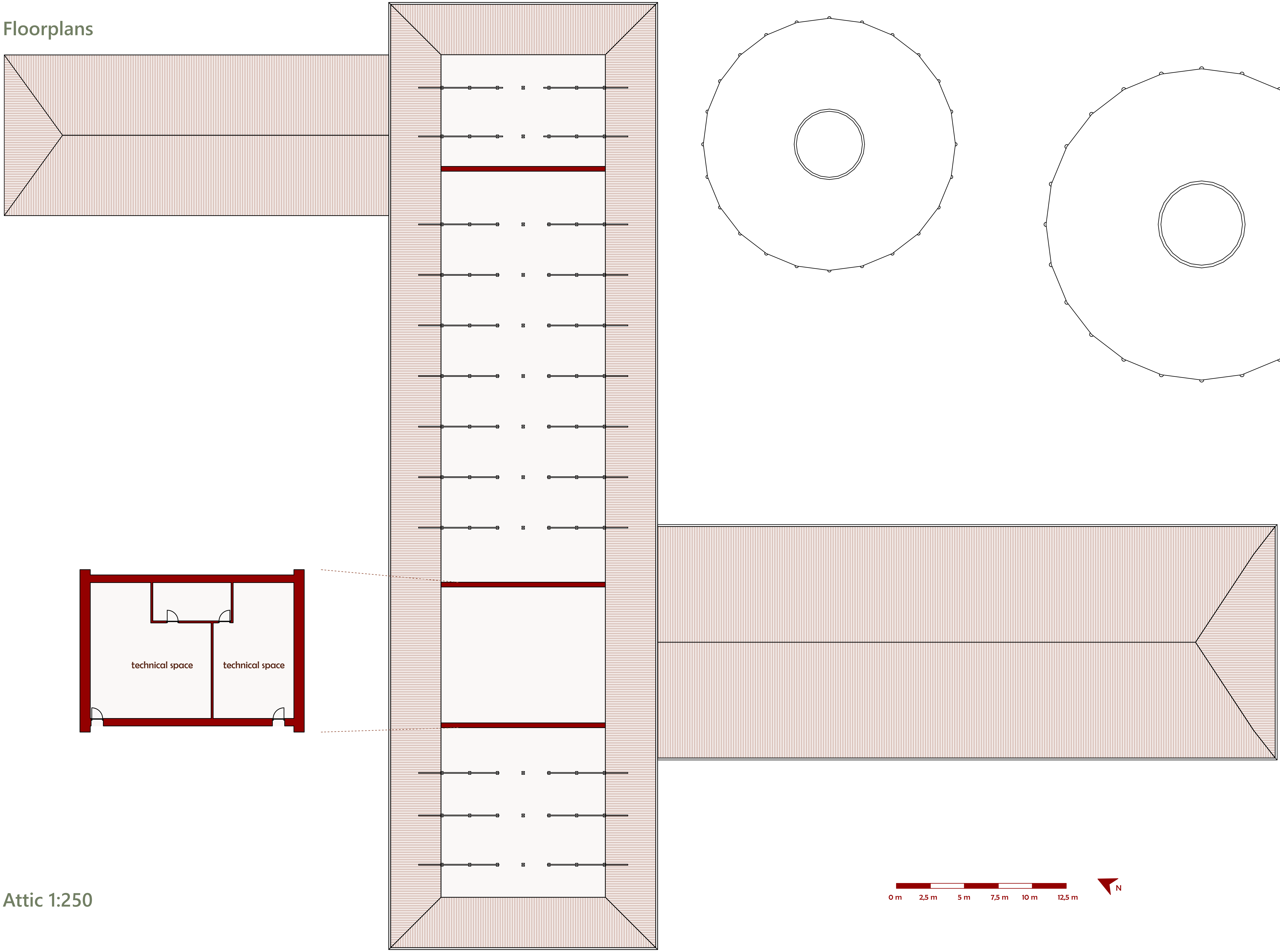
Ground floor 1:250

Floorplans



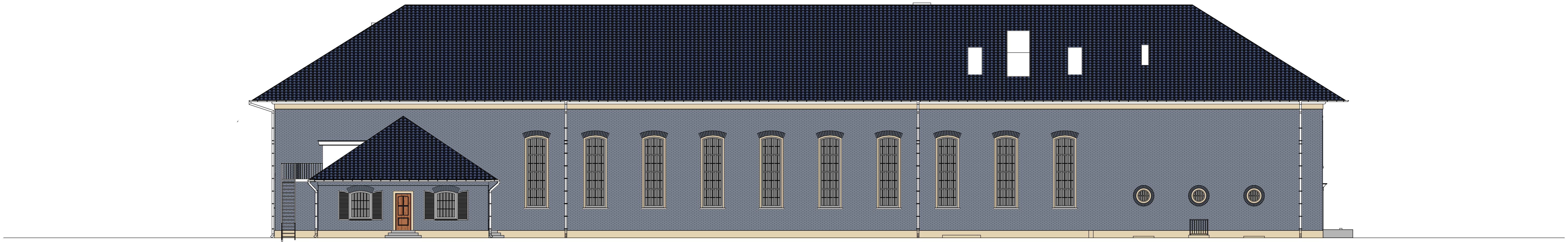
First floor 1:250

Floorplans



Attic 1:250

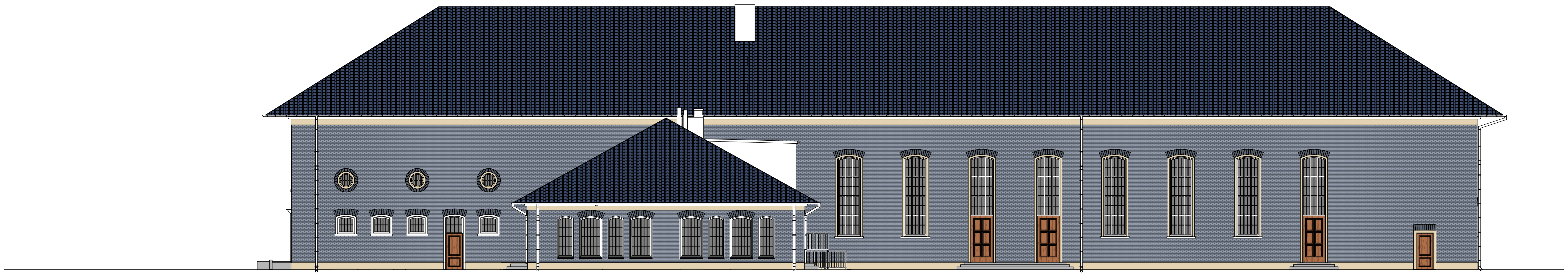
Façades



North façade 1:250

West façade 1:250

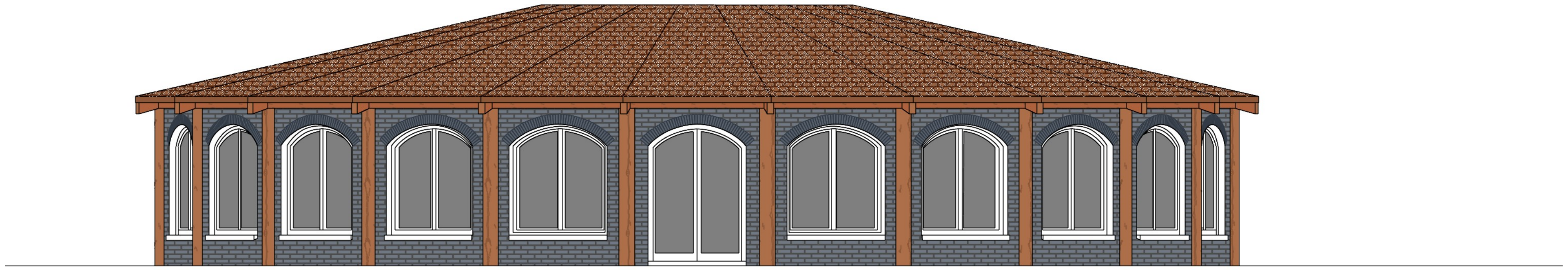
Façades



South façade 1:250

East façade 1:250

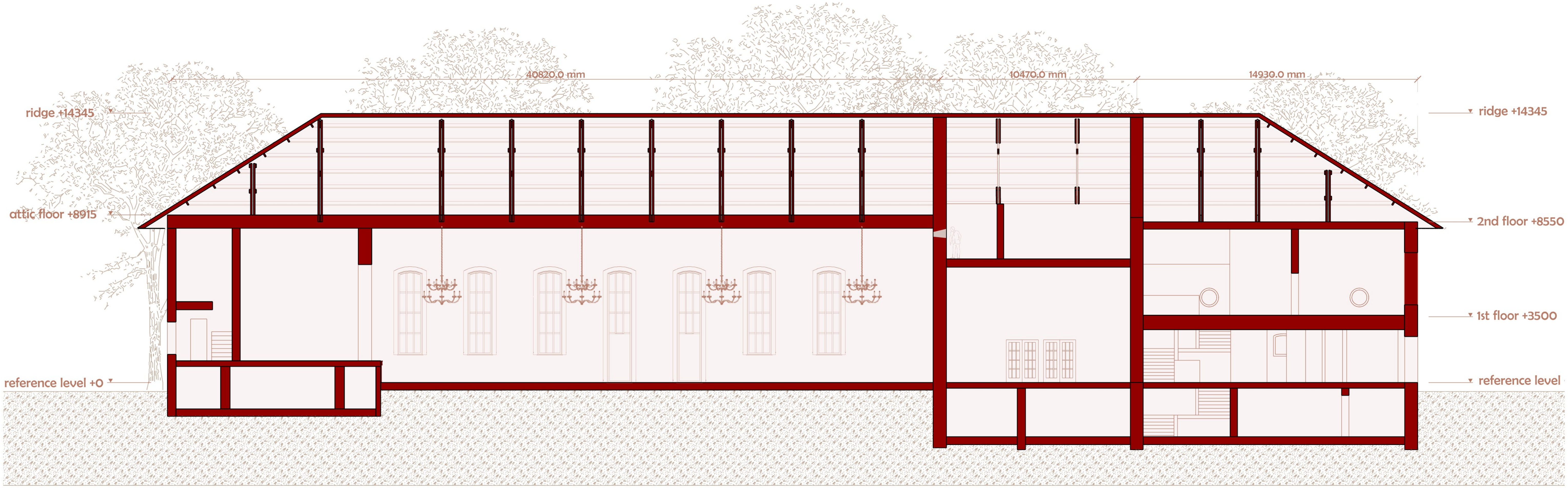
Façades



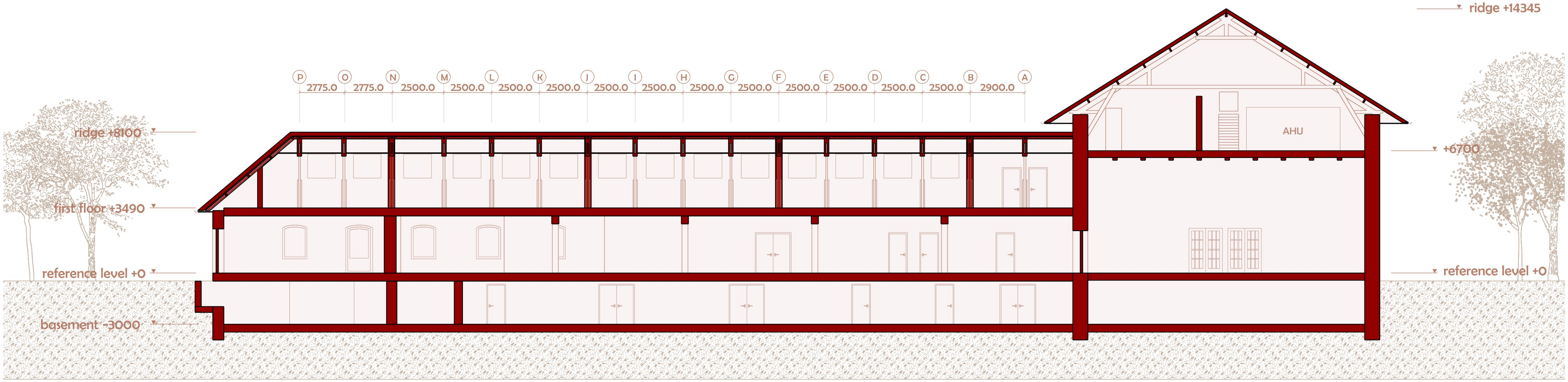
Façade new addition 1

Façade new addition 2

Sections

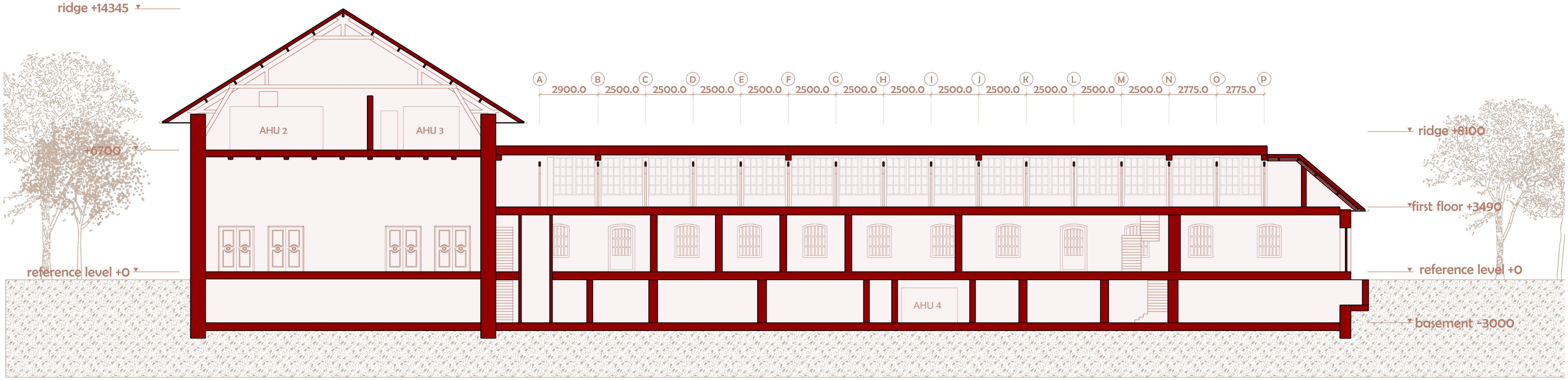


Section BB’ 1 1:200

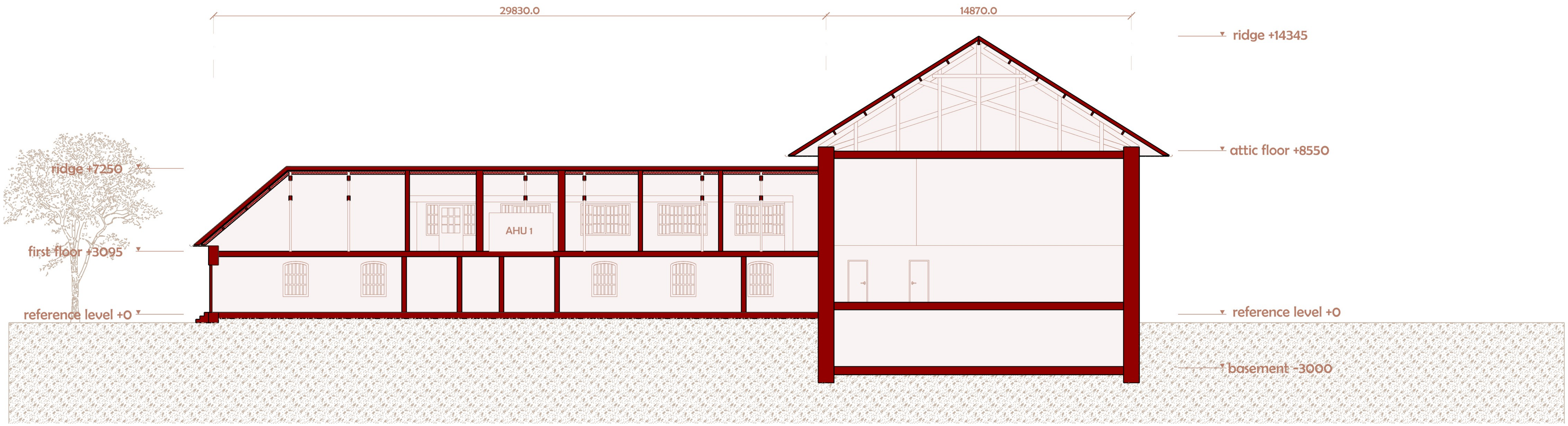


Section CC’ 1 1:200

Sections

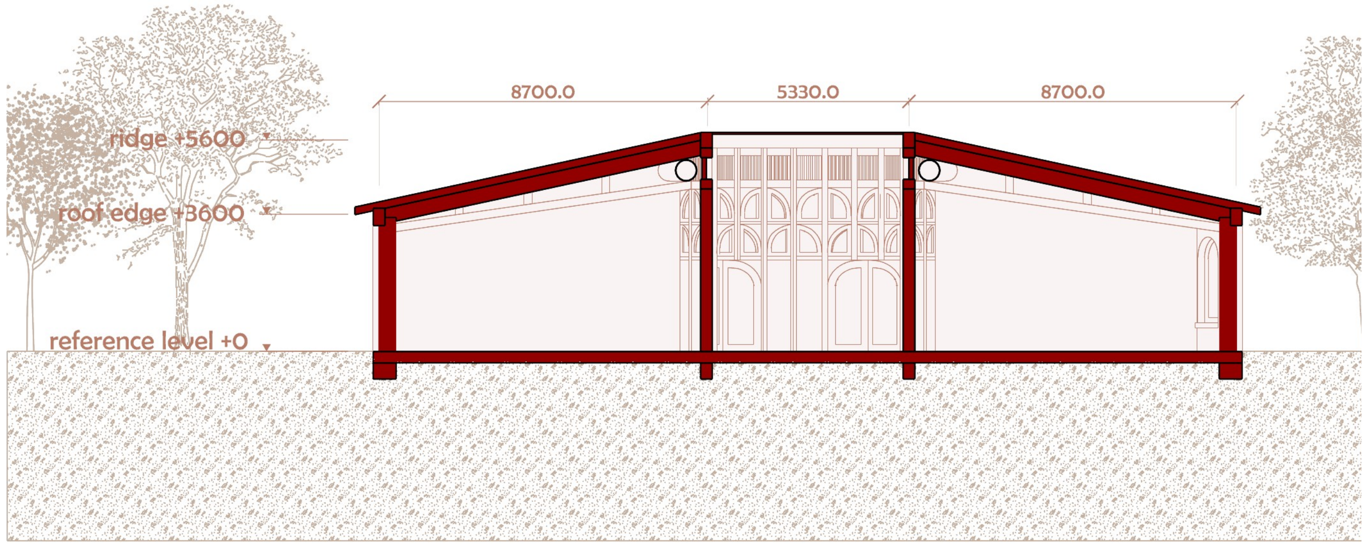


Section DD' 1 1:200

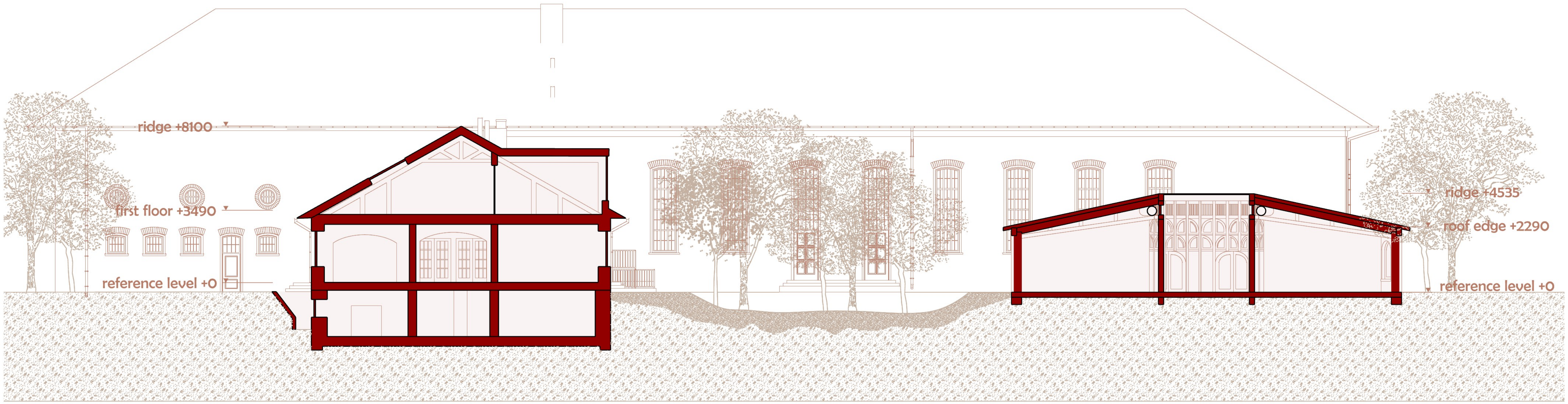


Section EE' 1 1:200

Sections



Section FF' 1 1:200

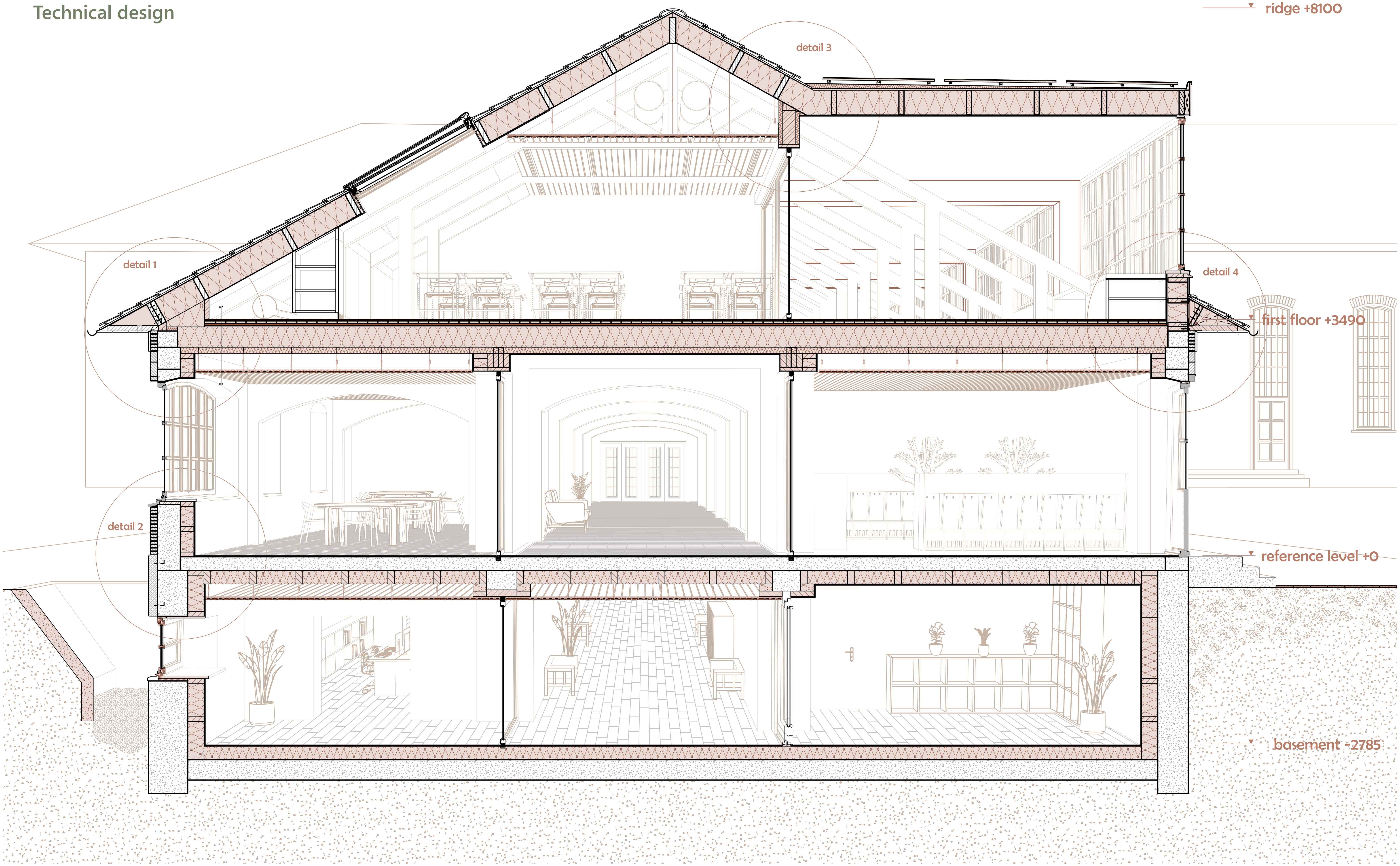


Section GG' 1 1:200

Architectural section

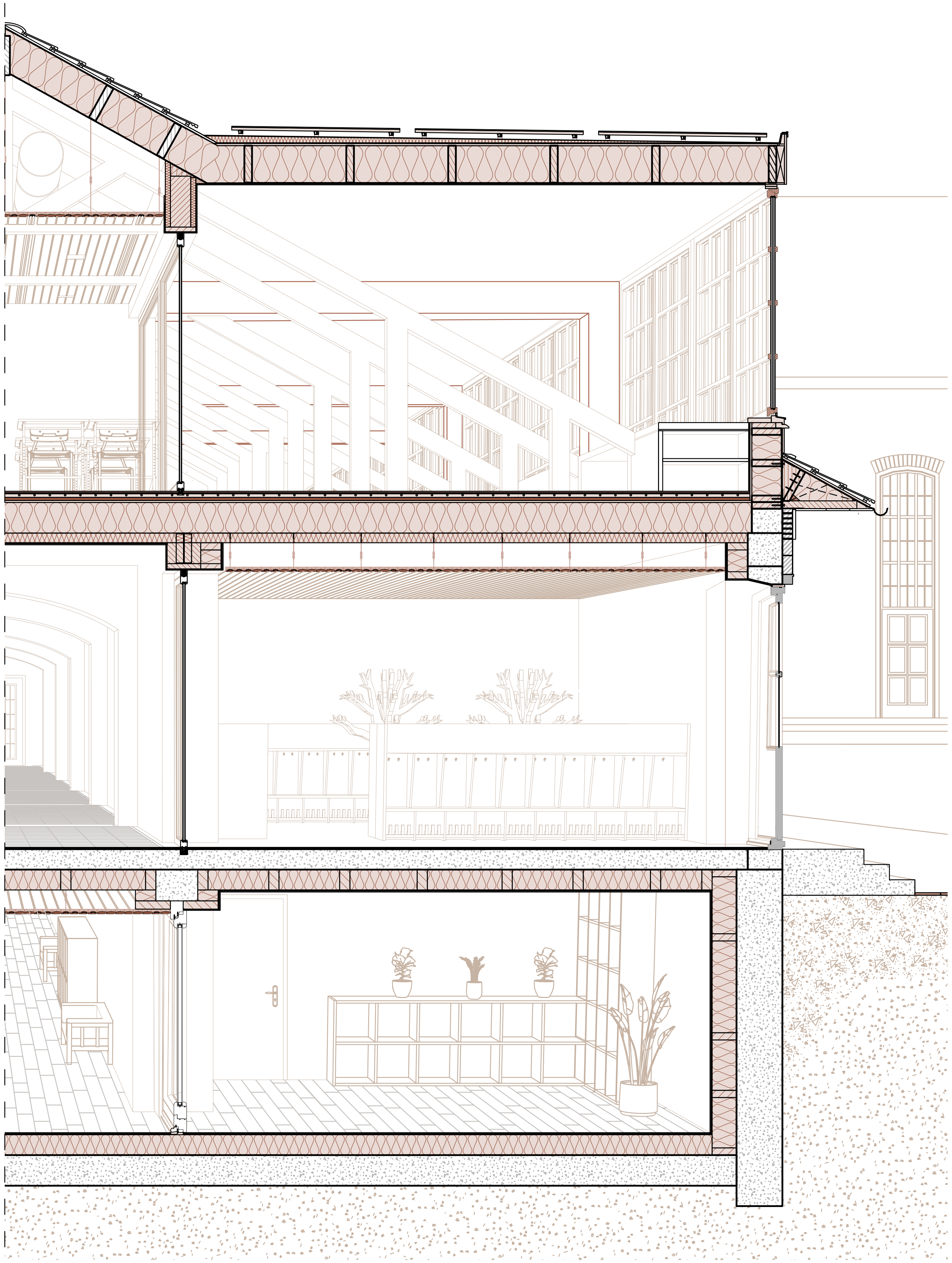
Architectural section AA' 1 1:50

Technical design

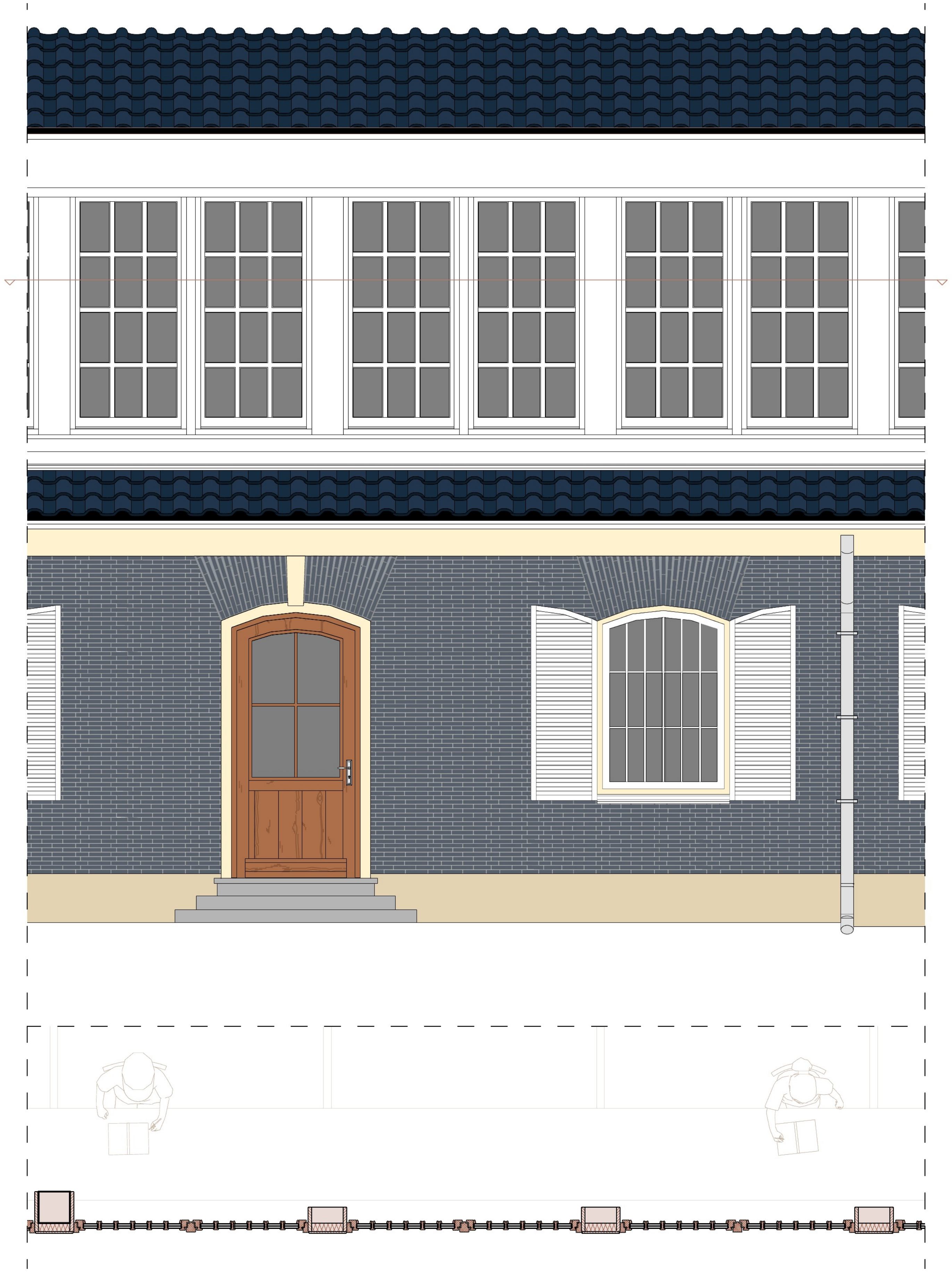


Section AA' 1 1:50

Technical design

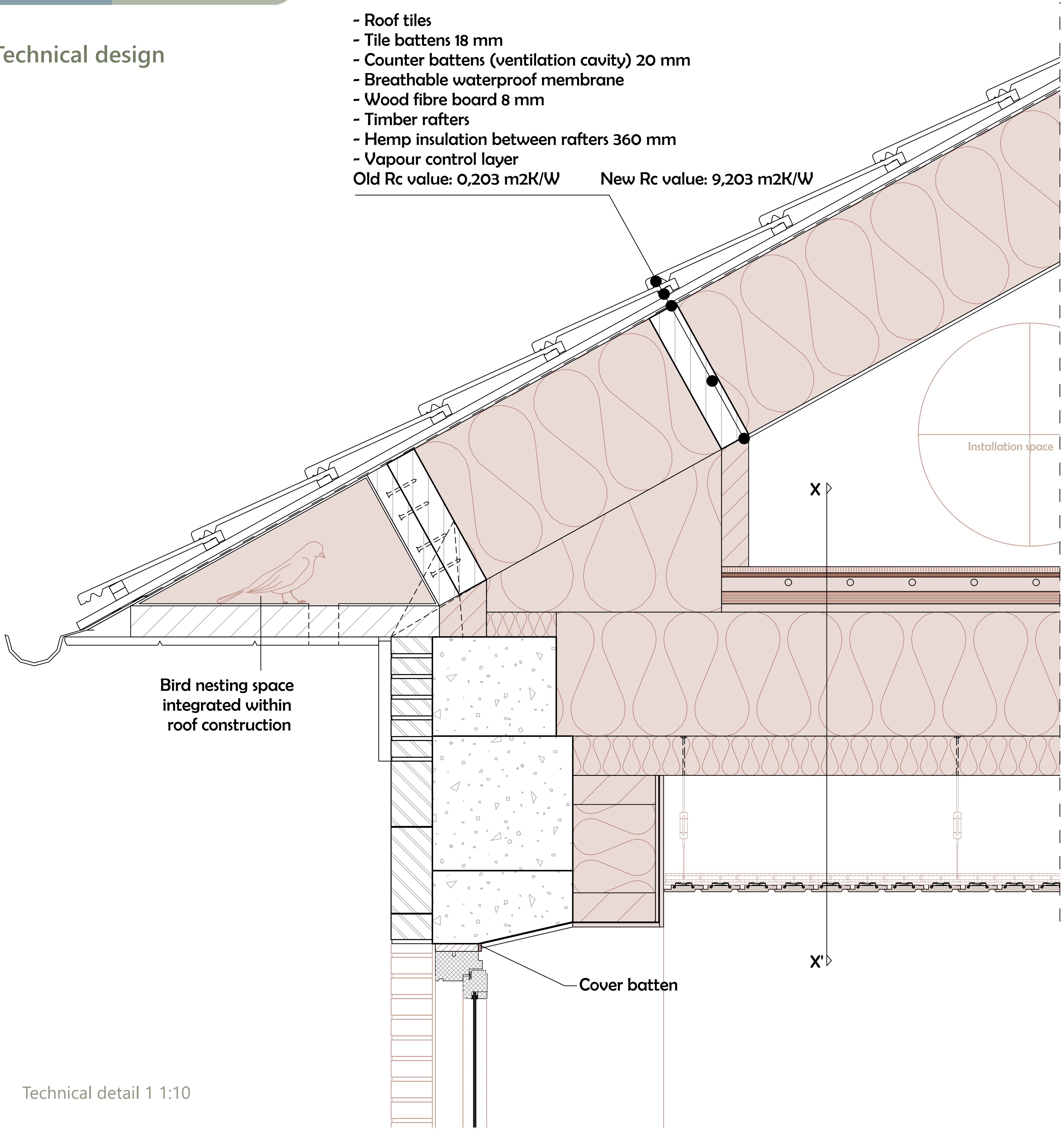


Façade fragment south wing 1:50

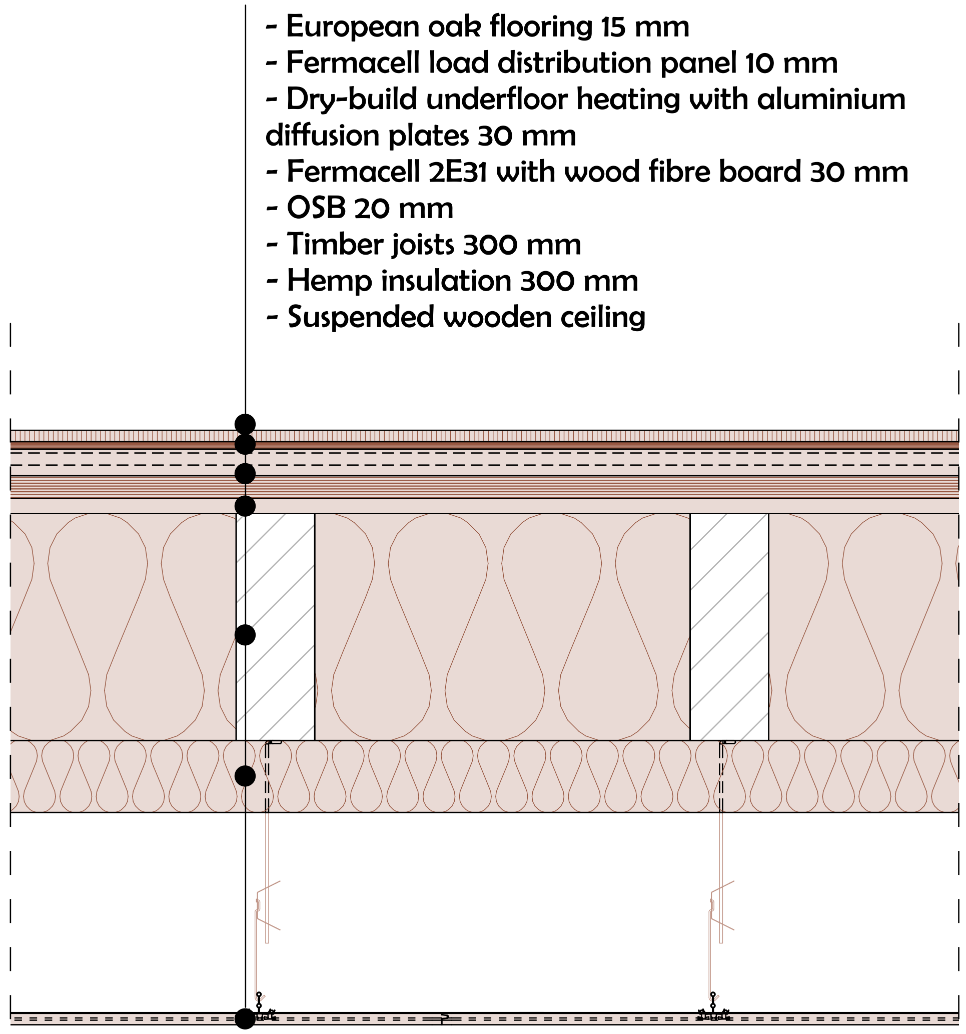


Façade fragment and horizontal section south wing 1:50

Technical design



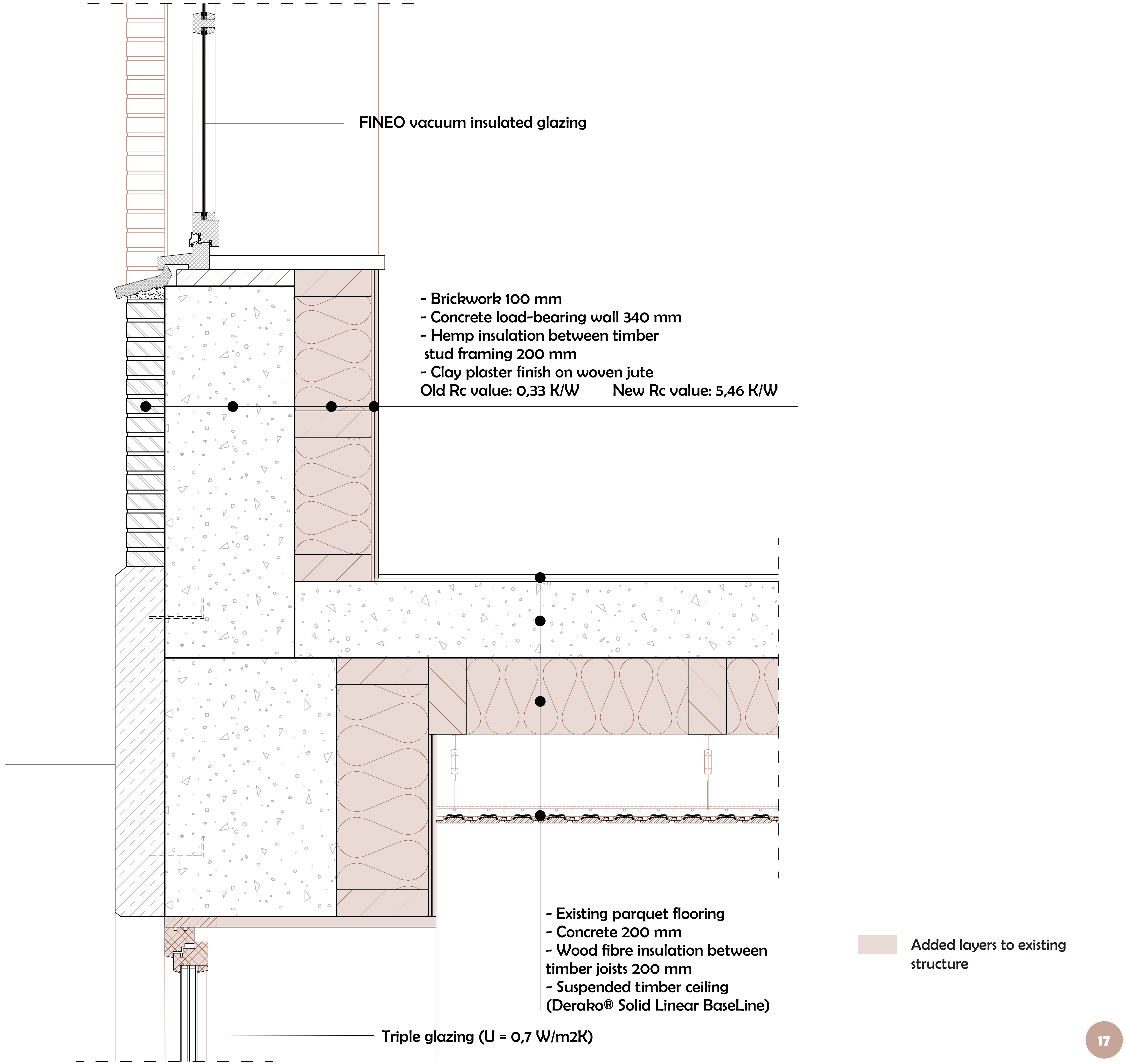
Technical detail 1 1:10



Cross section XX' 1 1:10

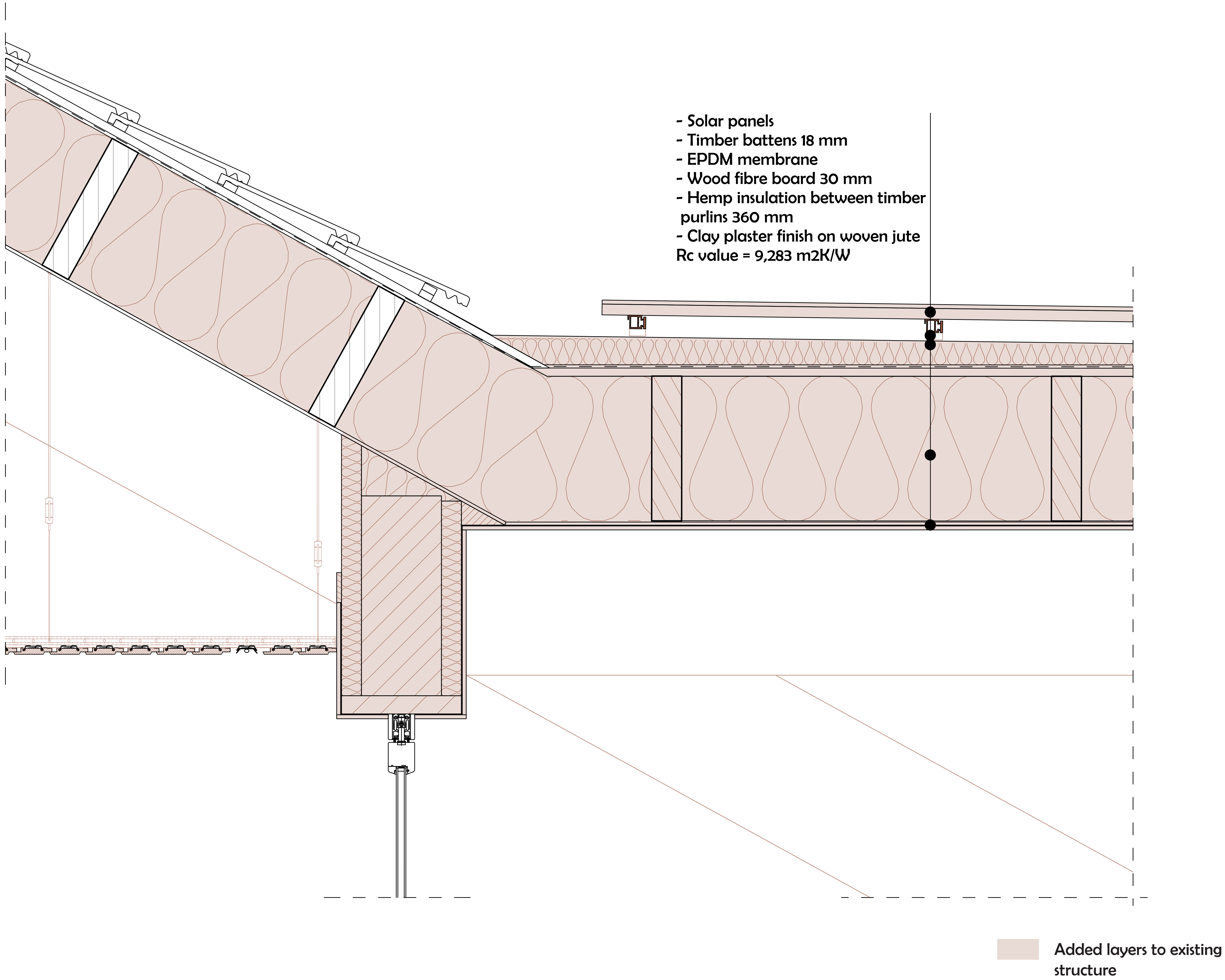
Added layers to existing structure

Technical design



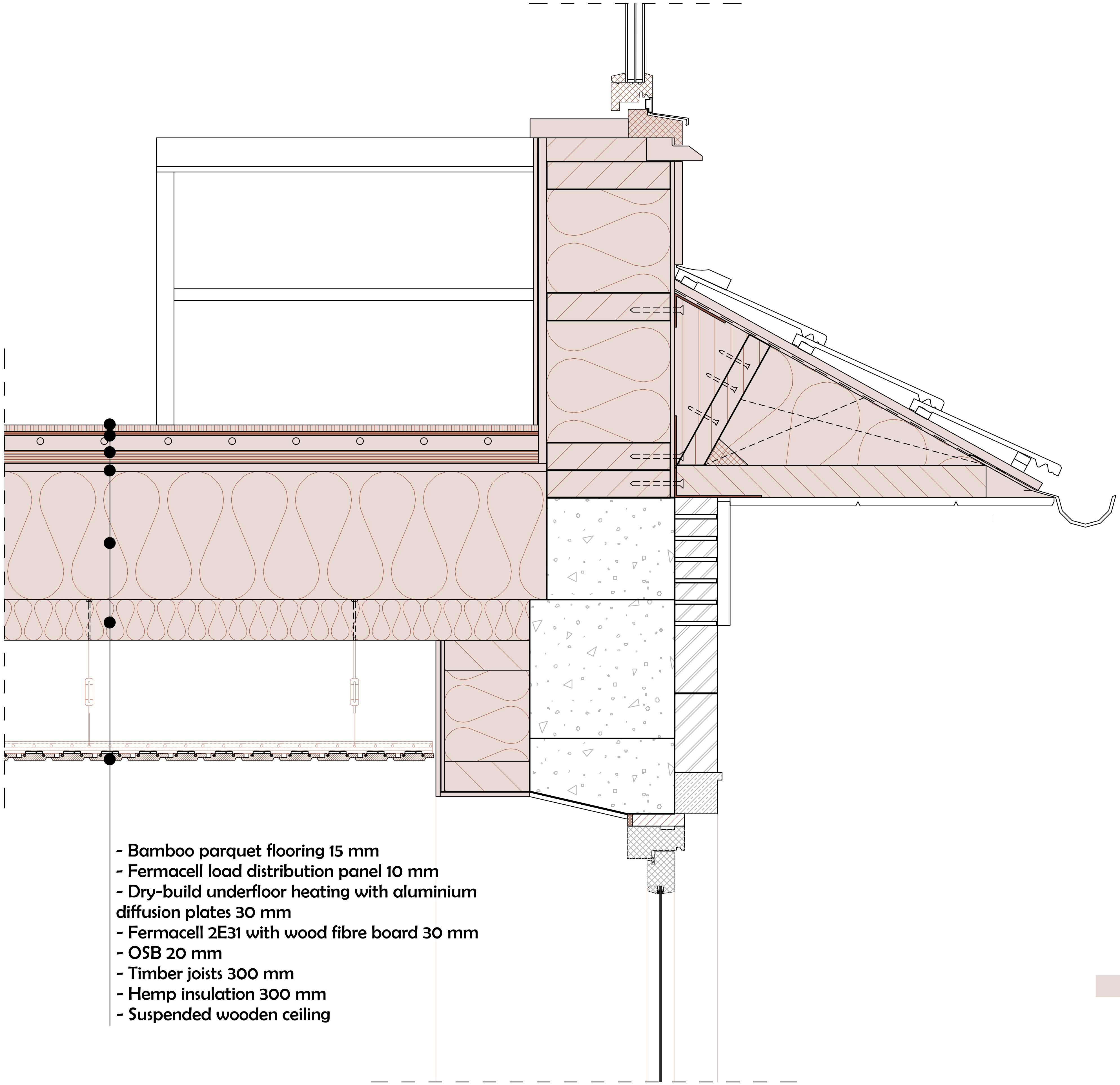
Technical detail 2 1:10

Technical design



Technical detail 3 1:10

Technical design

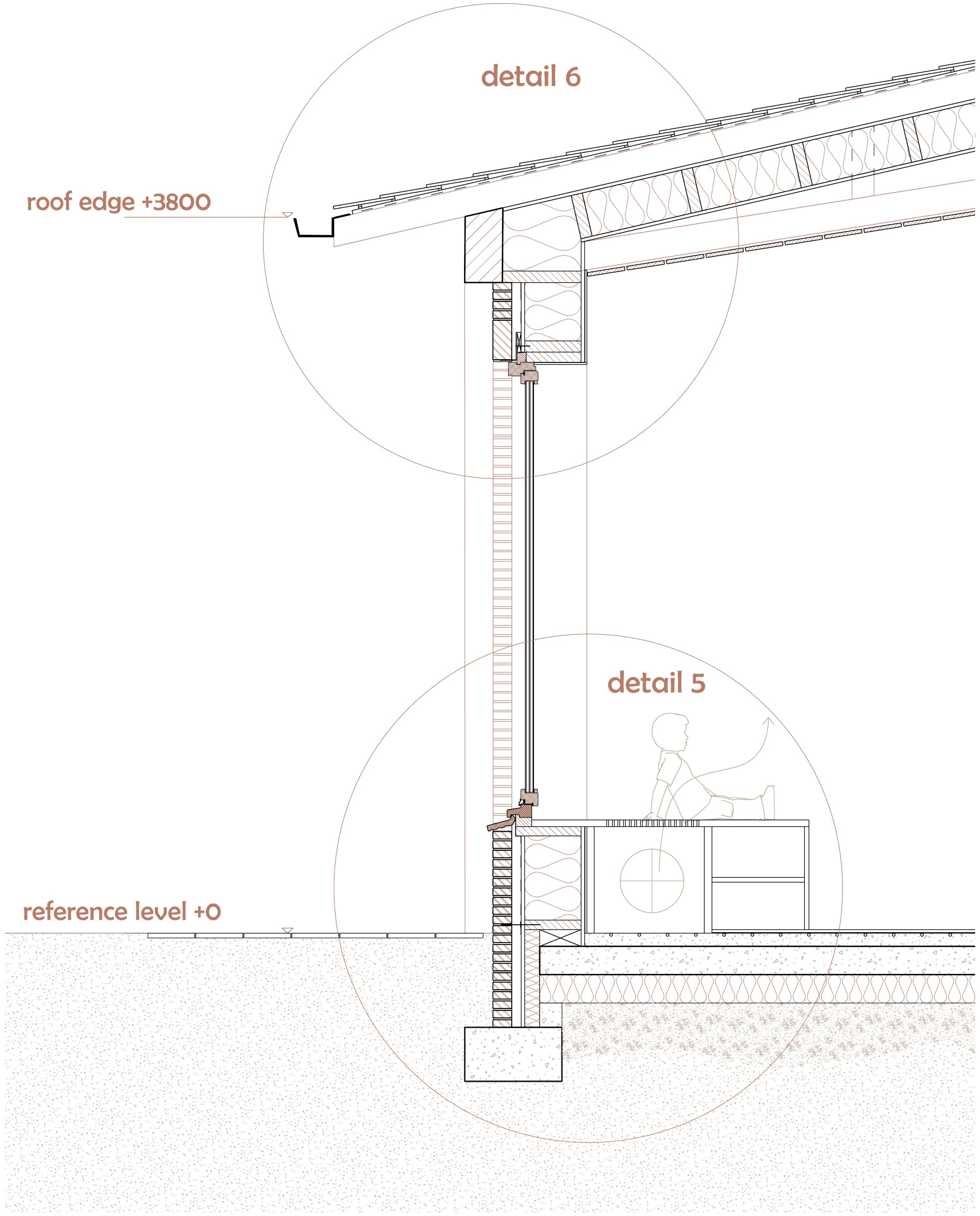


- Bamboo parquet flooring 15 mm
- Fermacell load distribution panel 10 mm
- Dry-build underfloor heating with aluminium diffusion plates 30 mm
- Fermacell 2E31 with wood fibre board 30 mm
- OSB 20 mm
- Timber joists 300 mm
- Hemp insulation 300 mm
- Suspended wooden ceiling

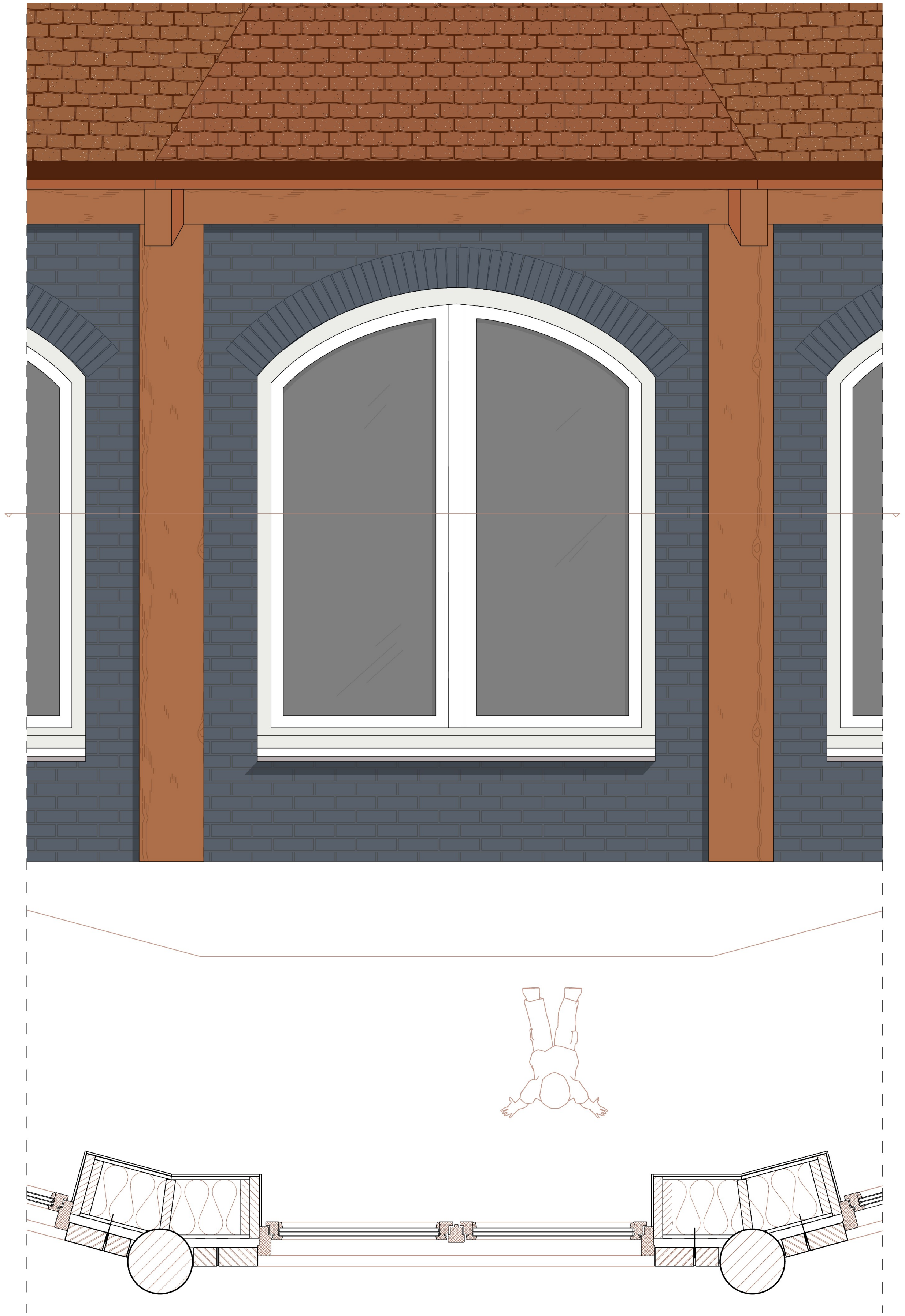
Added layers to existing structure

Technical detail 4 1:10

Technical design

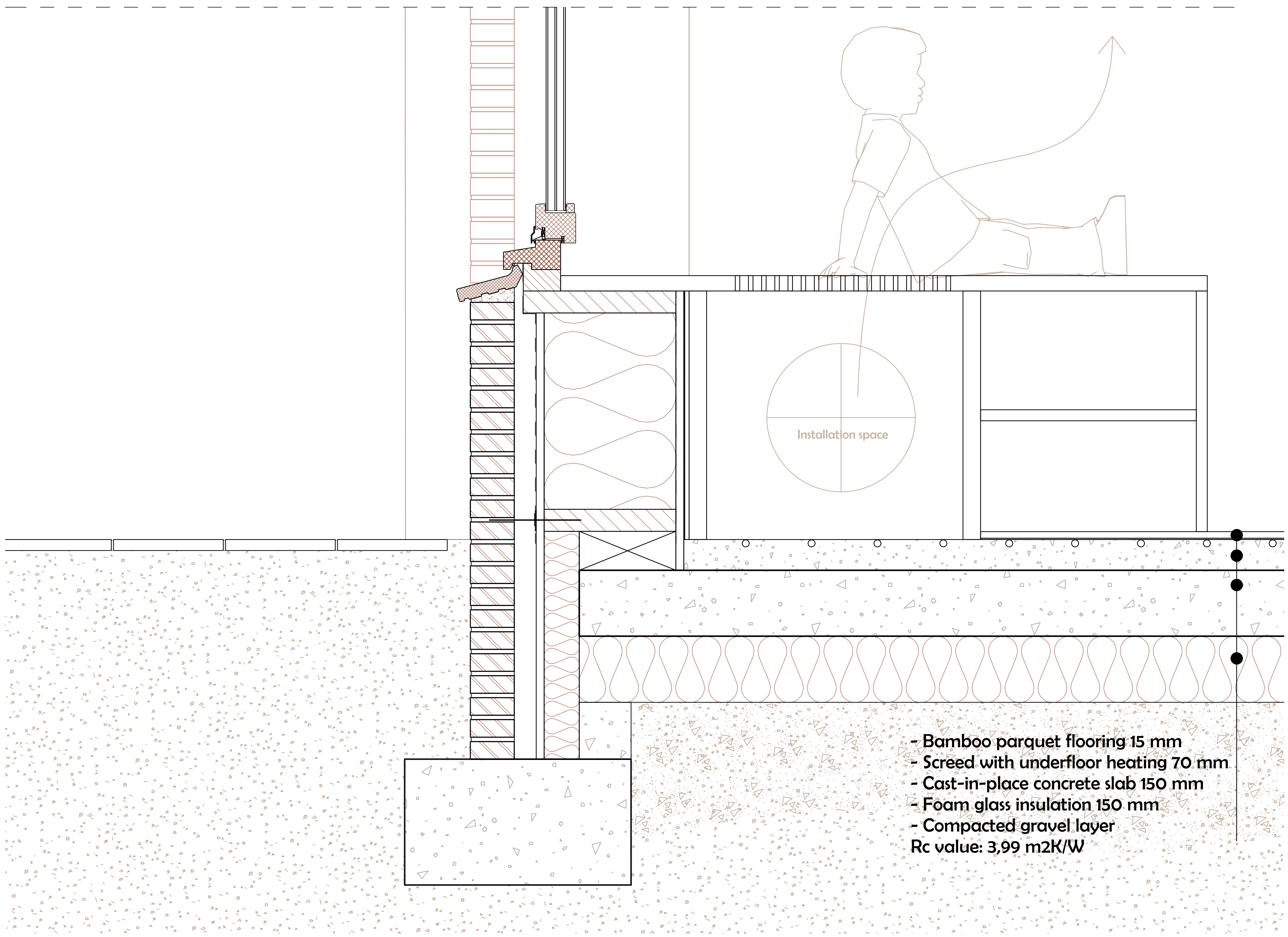


Façade fragment new additions 1:30



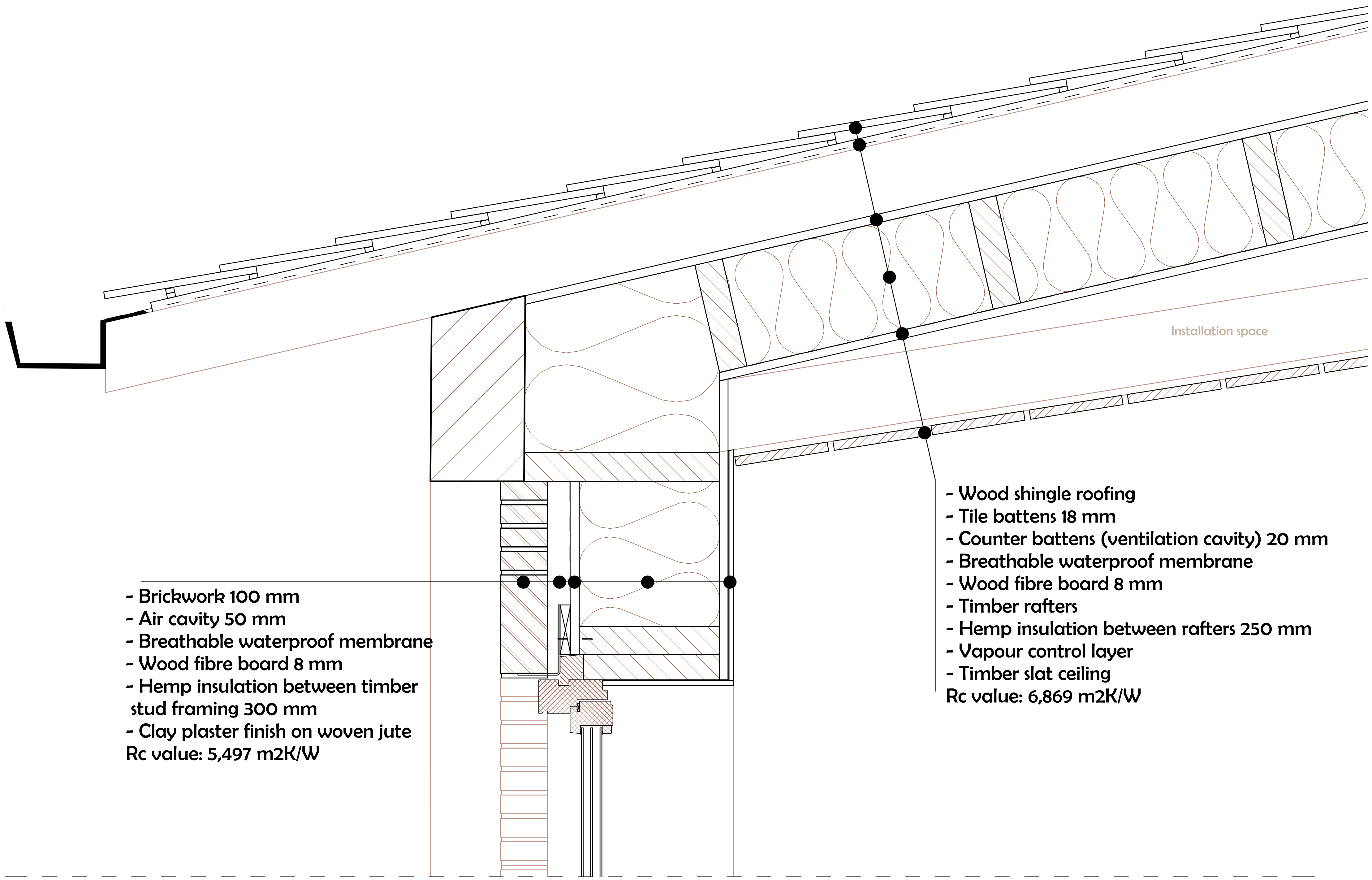
Façade fragment and horizontal section new additions 1:30

Technical design



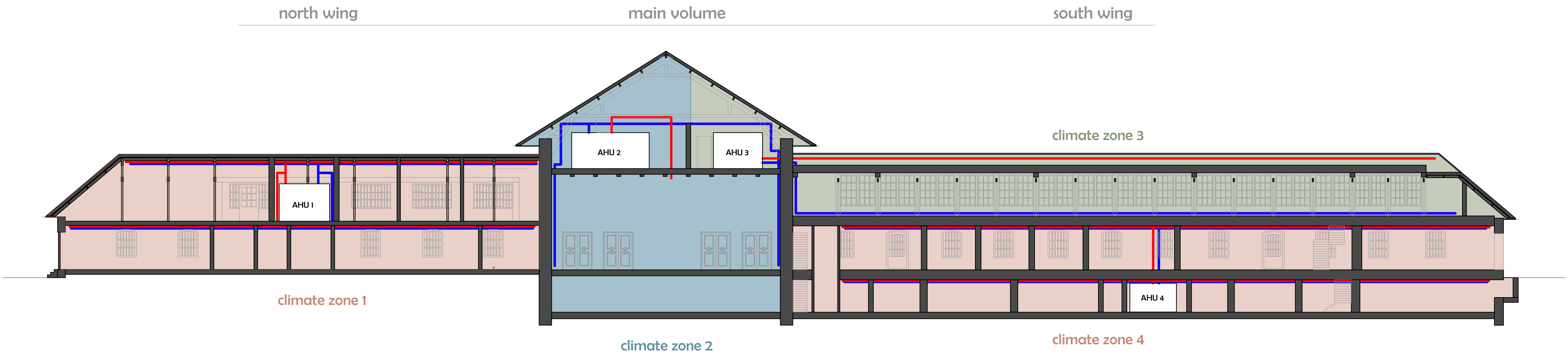
Technical detail 5 1:10

Technical design



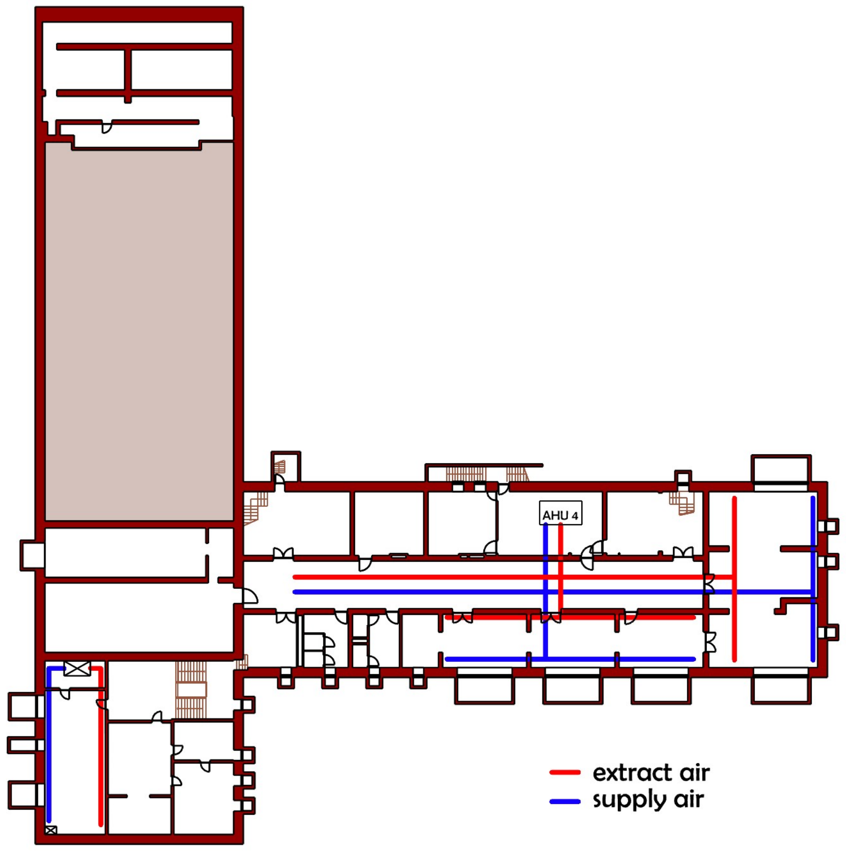
Technical detail 6 1:10

Climate design

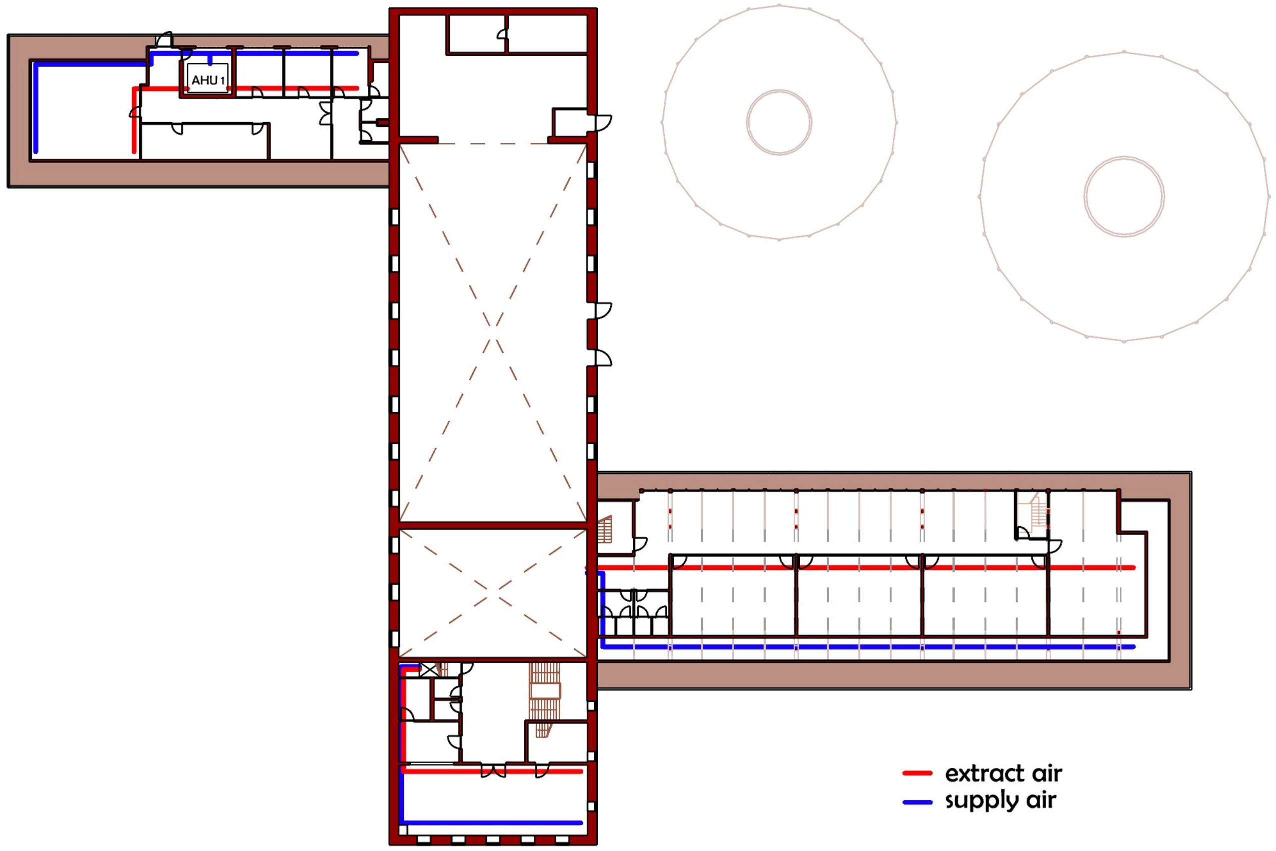


Climate zones

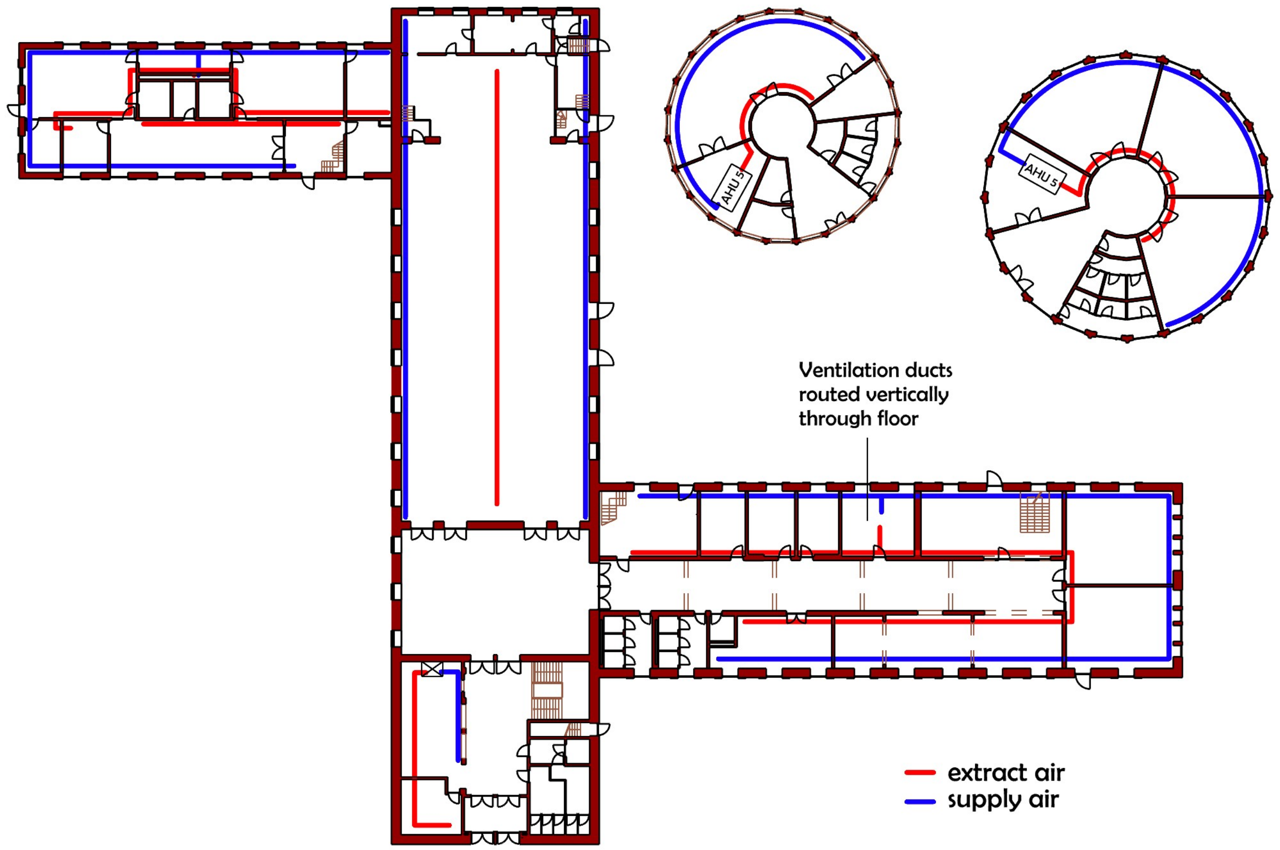
Climate design



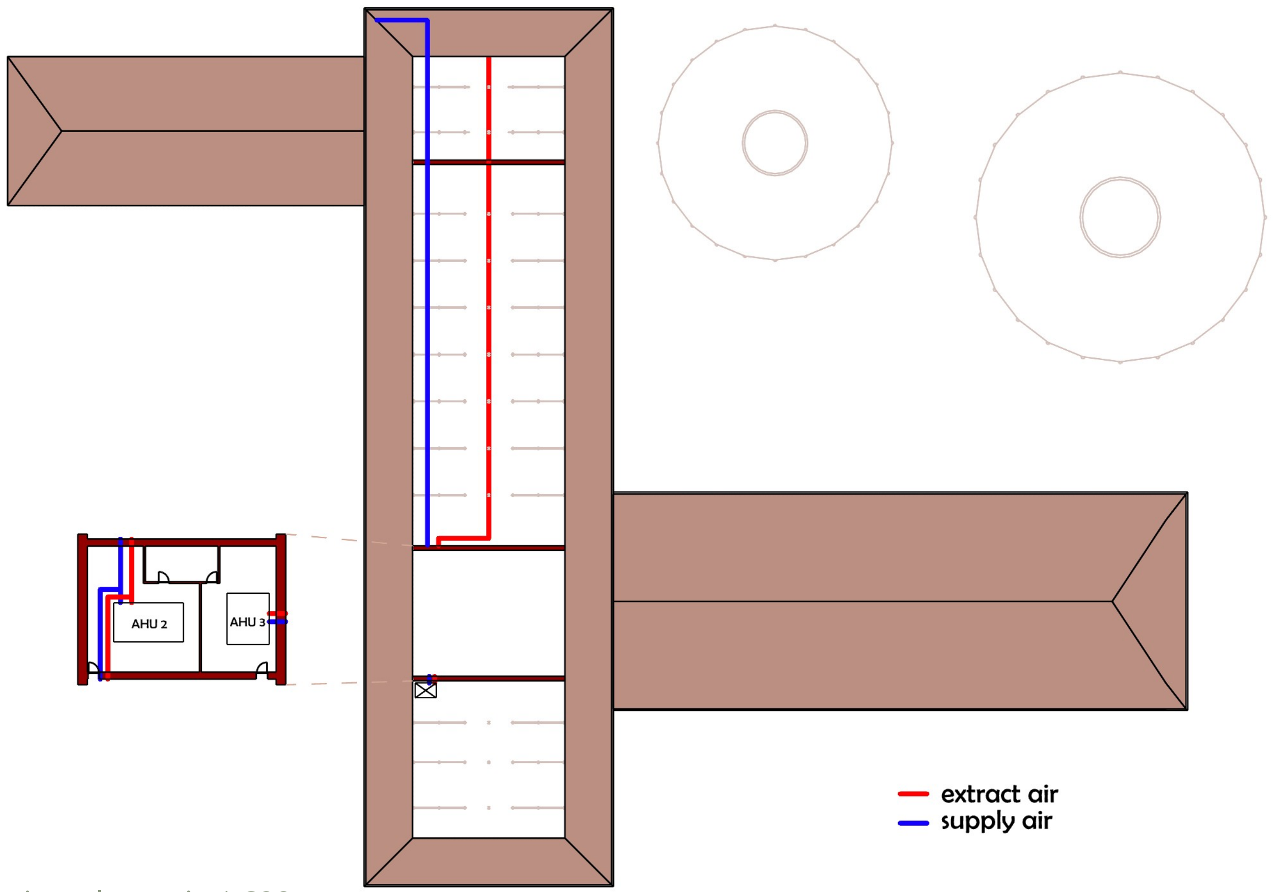
Ventilation plan basement 1:600



Ventilation plan first floor 1:600

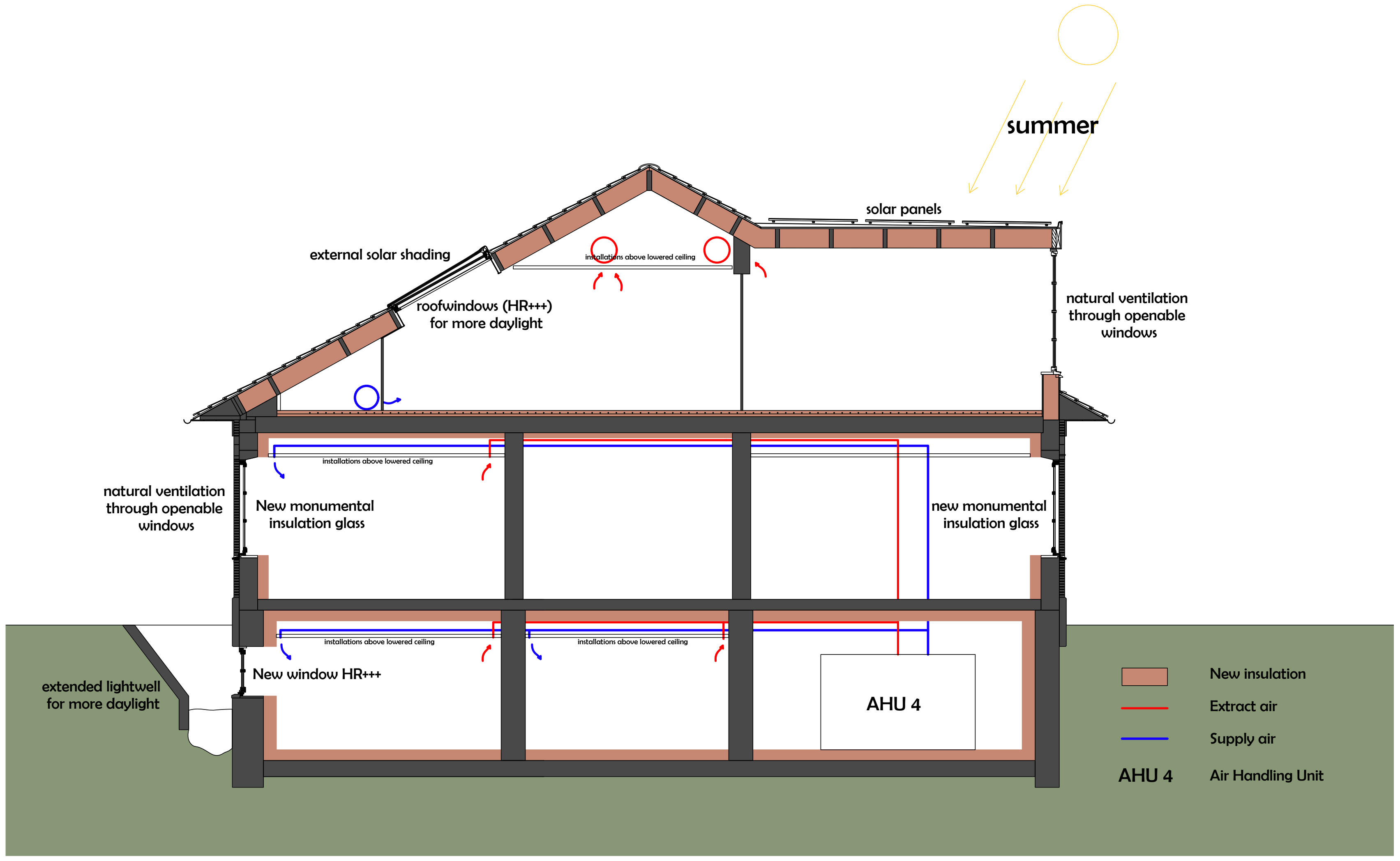


Ventilation plan ground floor 1:600

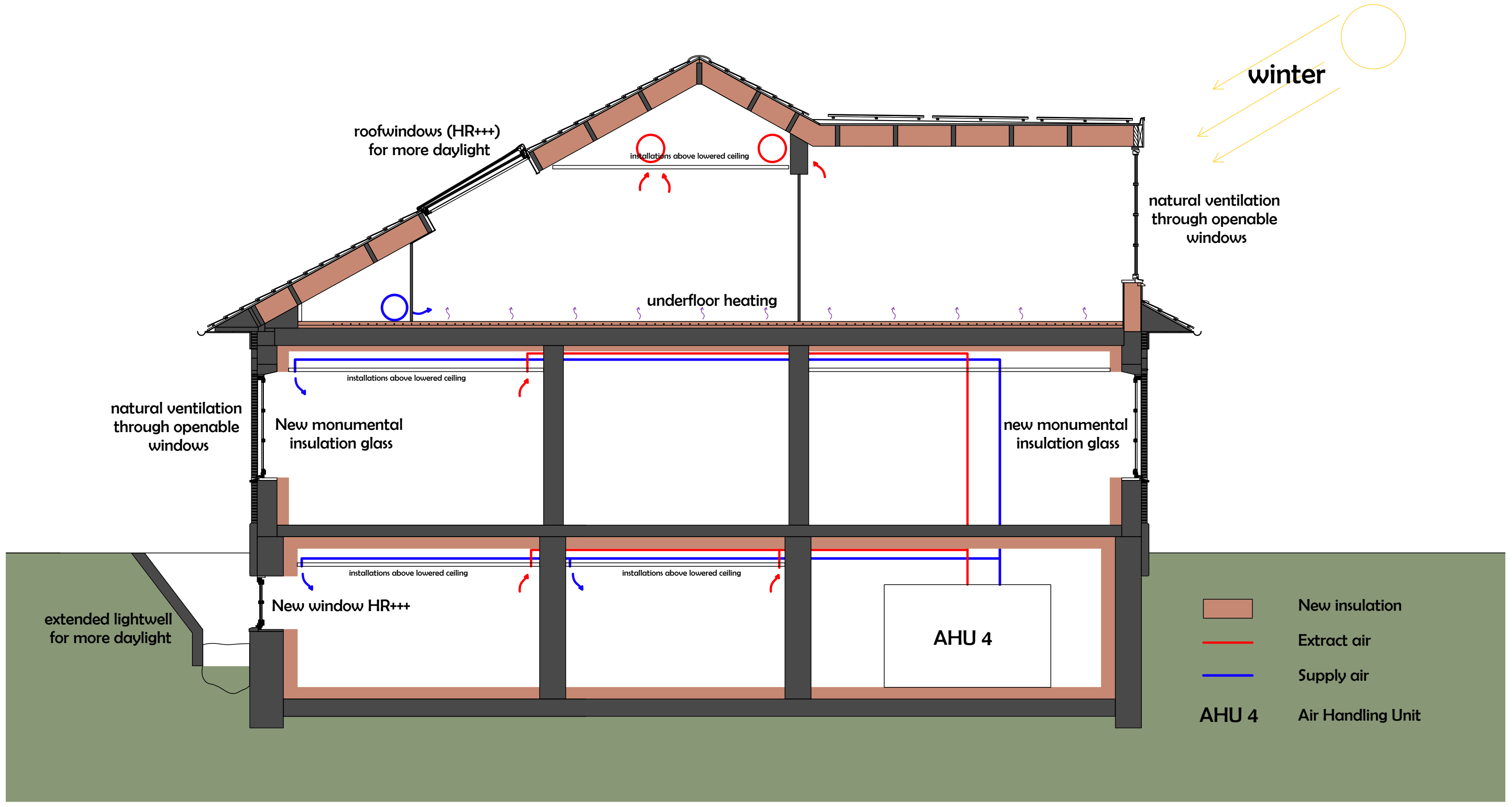


Ventilation plan attic 1:600

Climate design

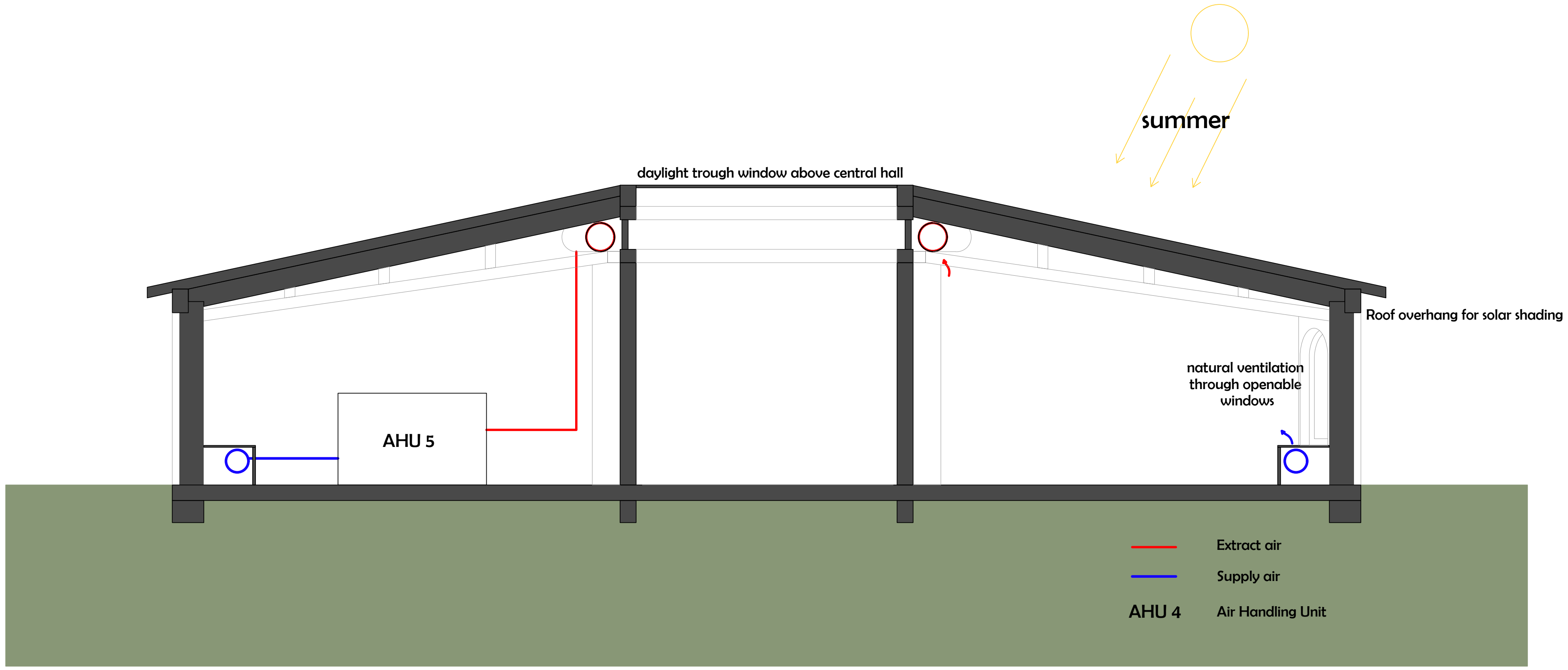


Climate section south wing (summer)

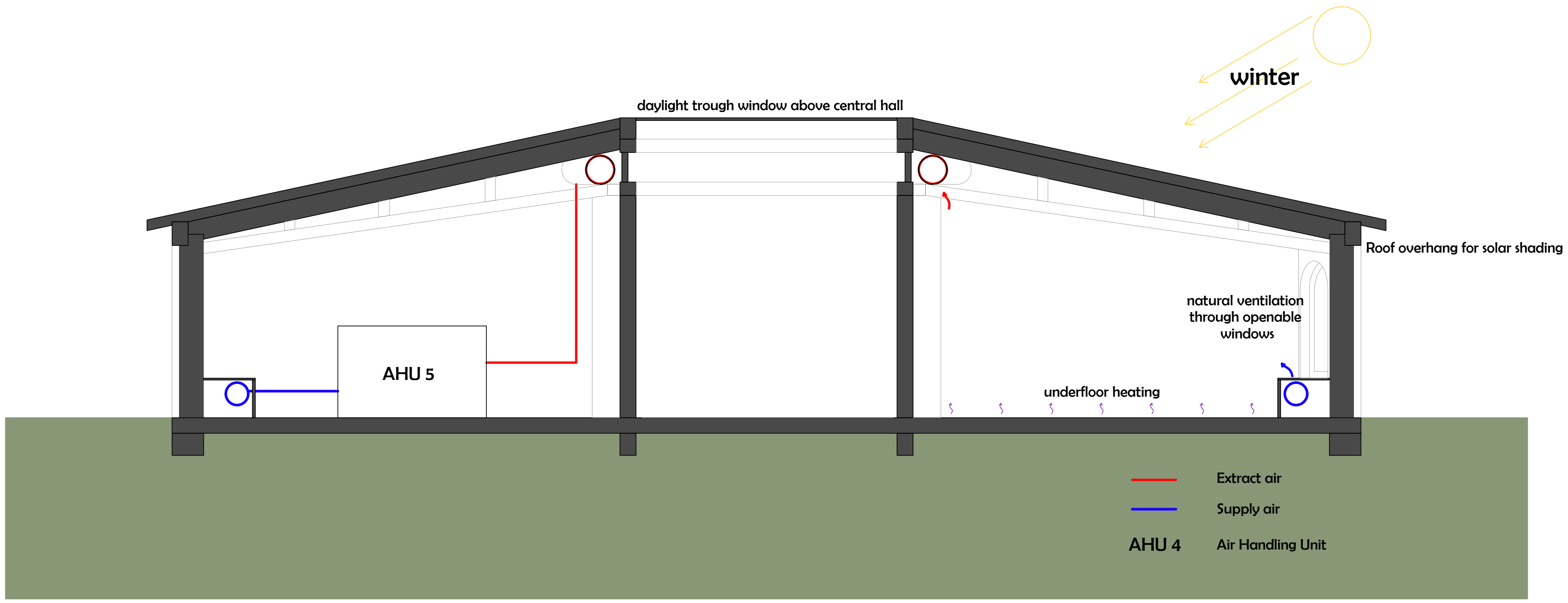


Climate section south wing (winter)

Climate design

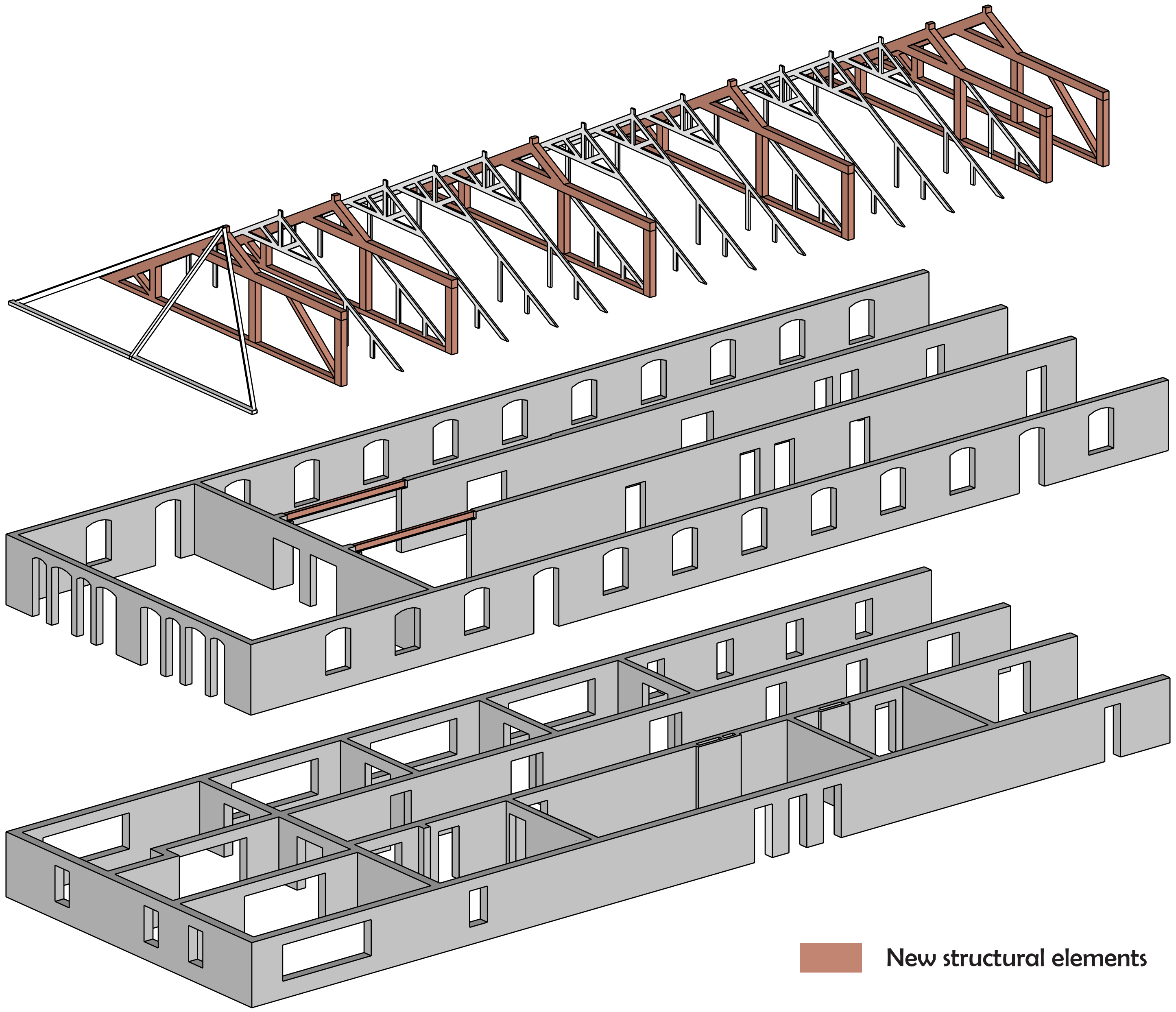


Climate section additional volumes (summer)

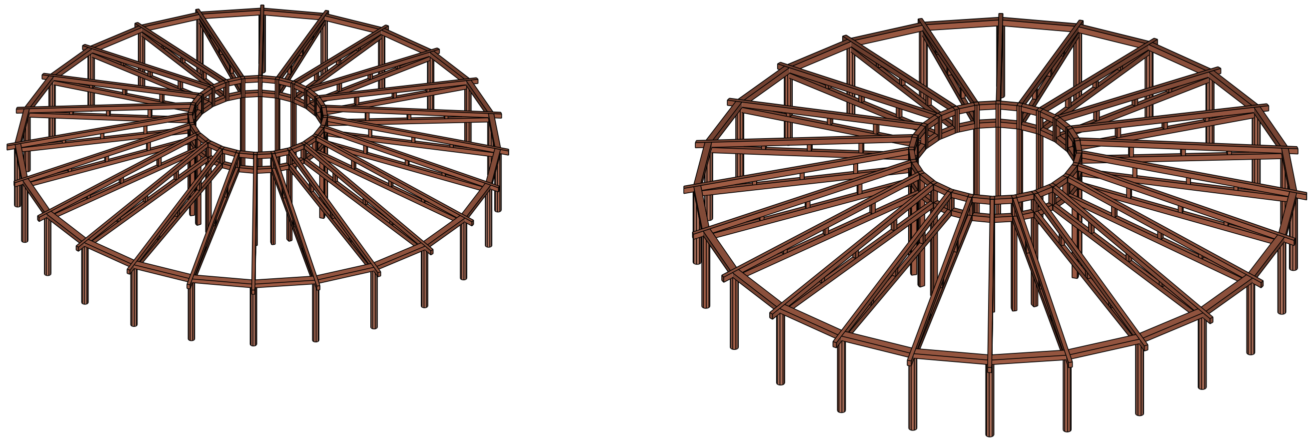


Climate section additional volumes (winter)

Construction



Load-bearing structure of the south wing



Load-bearing structure of the new additions

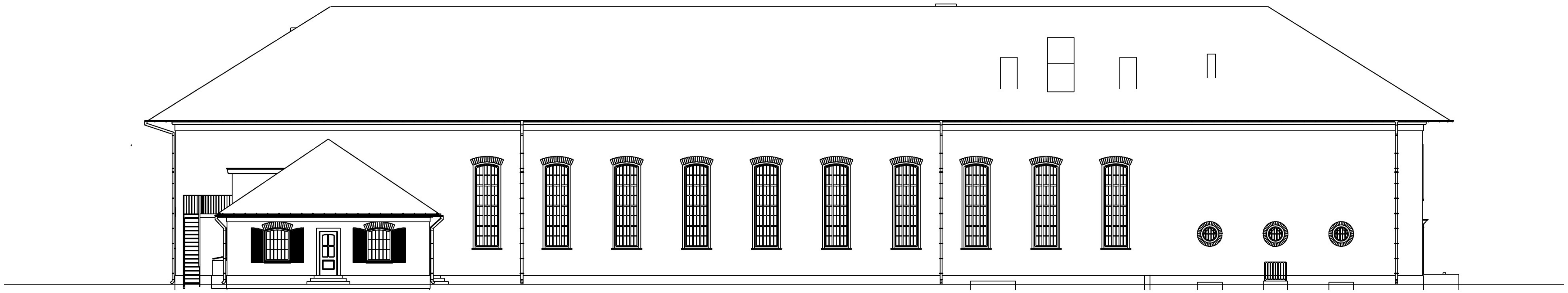
Demolition plans

Demolition plan basement 1:600

Demolition plan first floor 1:600

Demolition plan ground floor 1:600

Façade interventions

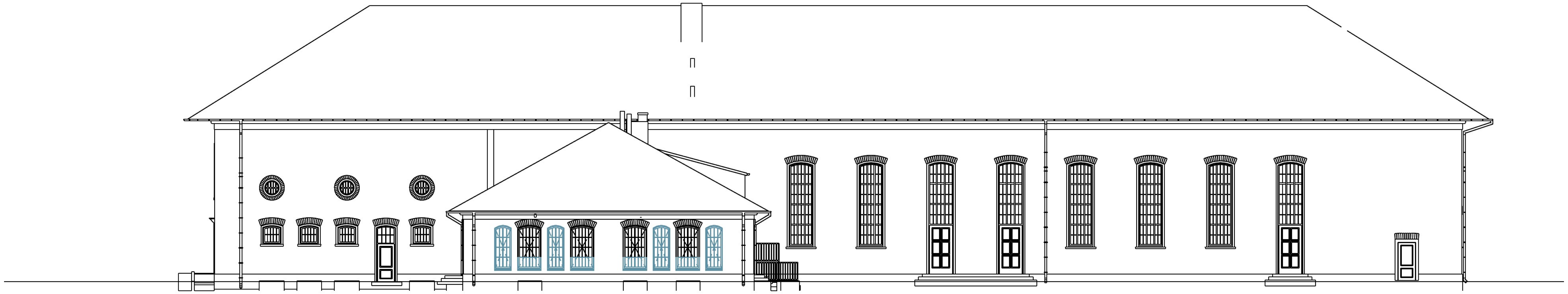


North façade 1:250

West façade 1:250

New interventions

Façade interventions



South façade 1:250

East façade 1:250

New interventions

Renders

Pathway to the school

Renders

Schoolyard

Renders

Path to the school entrance

Renders

Central corridor in the south wing

Renders

Open learning space for younger students

Renders

Entrance hall of the school

Renders

Kindergarten classroom

Renders

Classroom for younger students

Renders

Classroom for older students

Renders

Open learning space for older students

Renders

Classrooms and open learning space for older students

Renders

Classroom expanded in open learning space

Renders

Theatre hall for events

Renders

Theatre hall for theatre classes

Renders

Theatre hall for performances