

Friche Josaphat, Brussels
Belgium

Building (im)perfection

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Design

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Building (im)perfection

Design

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Part I

Location

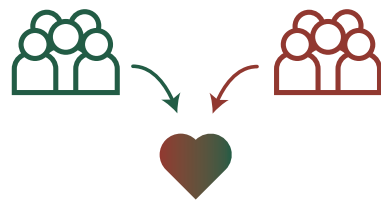
The Friche Josaphat in Brussels, once a marshalling yard has transformed into a natural haven. This unique place where nature flourishes should be preserved. A small community which is already present on the fringes can now permanently settle on the friche, helping to preserve and protect the wasteland. This ecological community, will connect visitors to the friche and educate them. Over time, the community will be able to expand through a self building system, allowing for natural growth



Part II

Public building

The public building will act as a hub for residents and visitors, offering spaces for workshops, local food shopping and views over the friche. A large workshop will allow the residents to build the wall elements for their dwellings.



Connecting



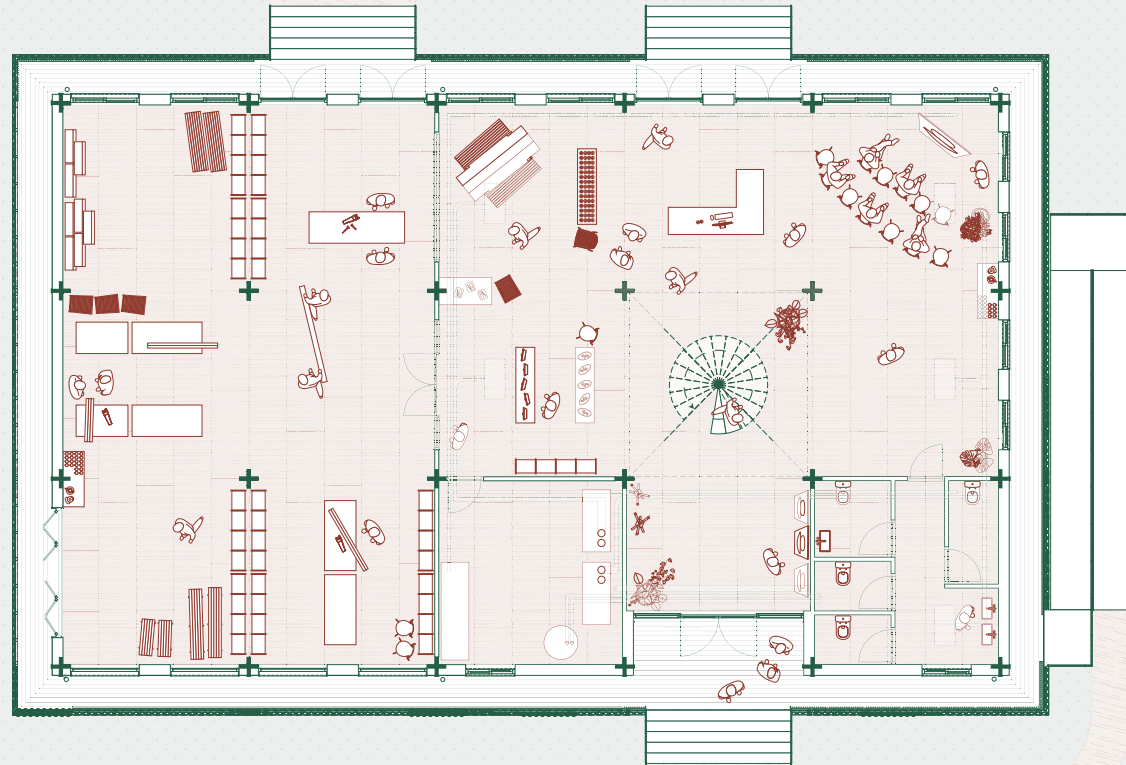
Workshop



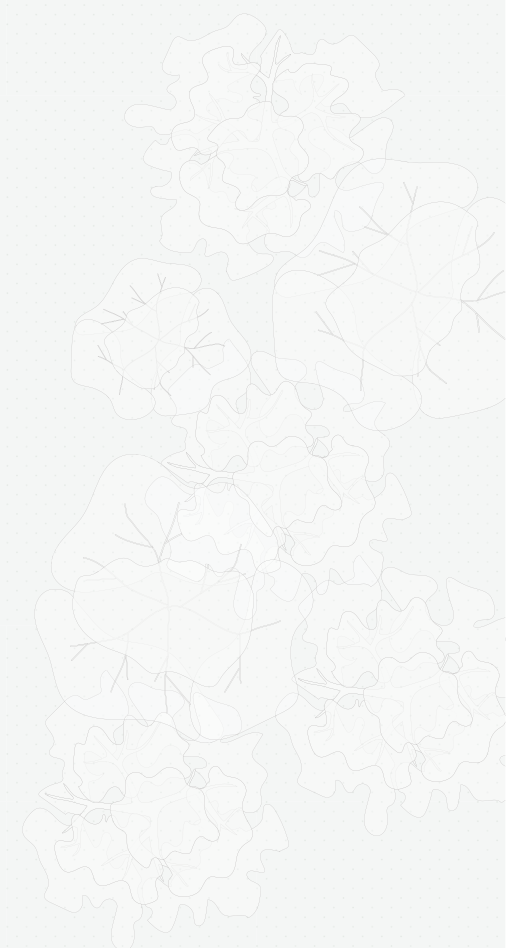
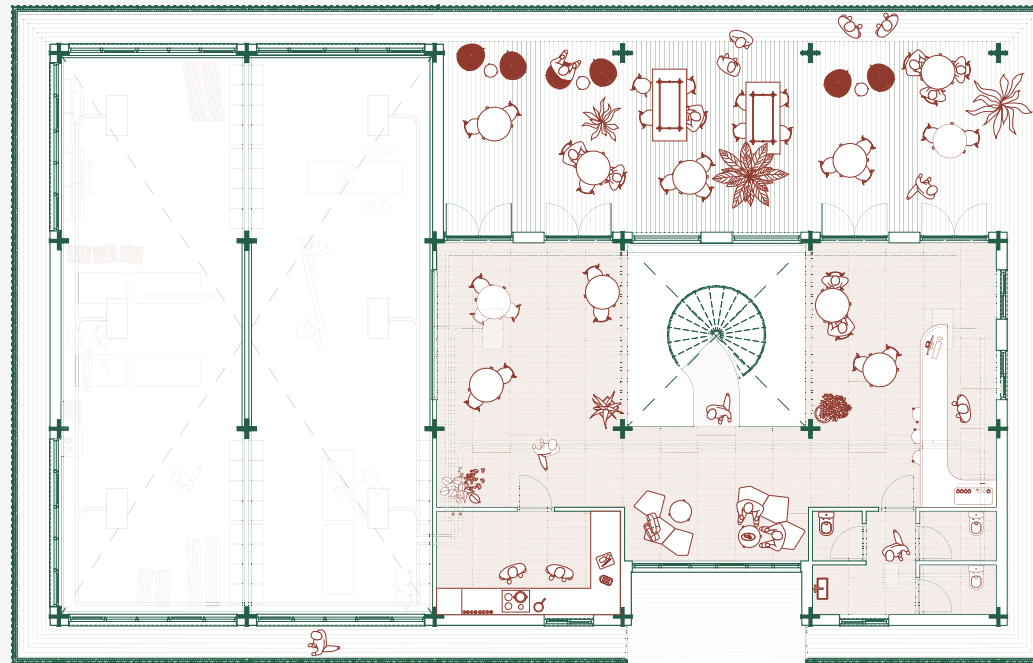
Educating



Ground floor



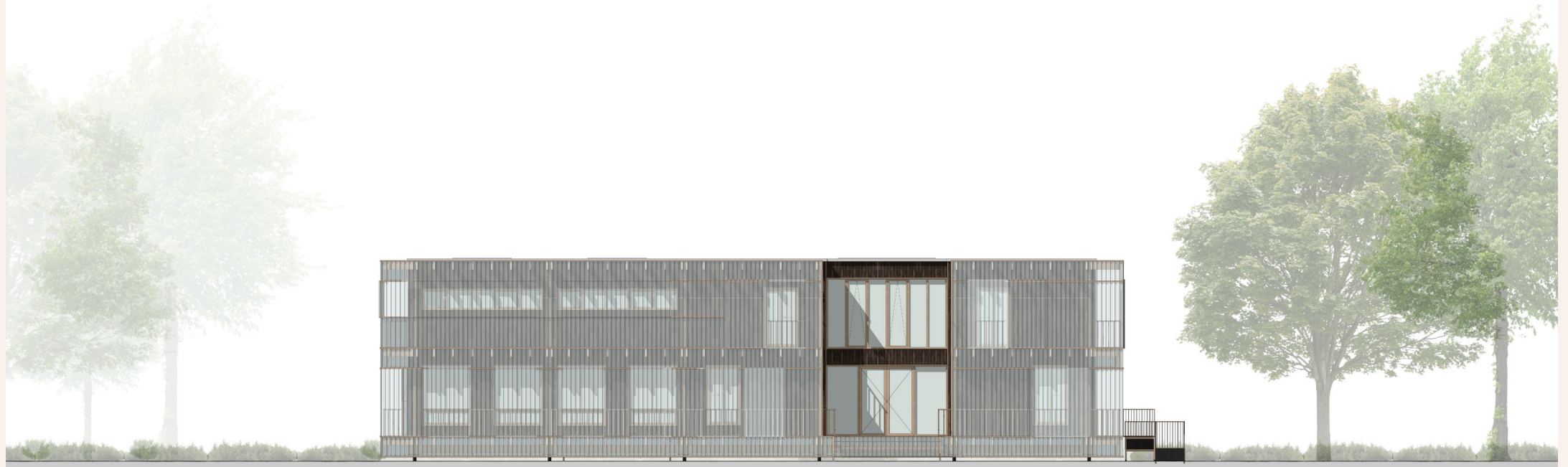
First floor



South facade - opened panels

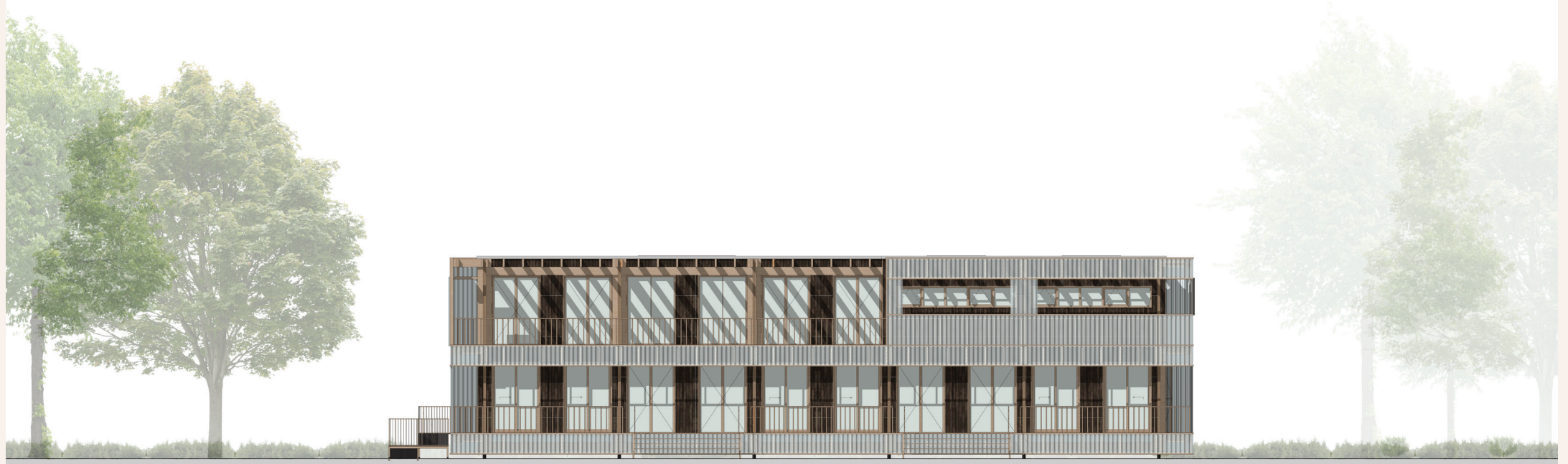


South facade - closed panels



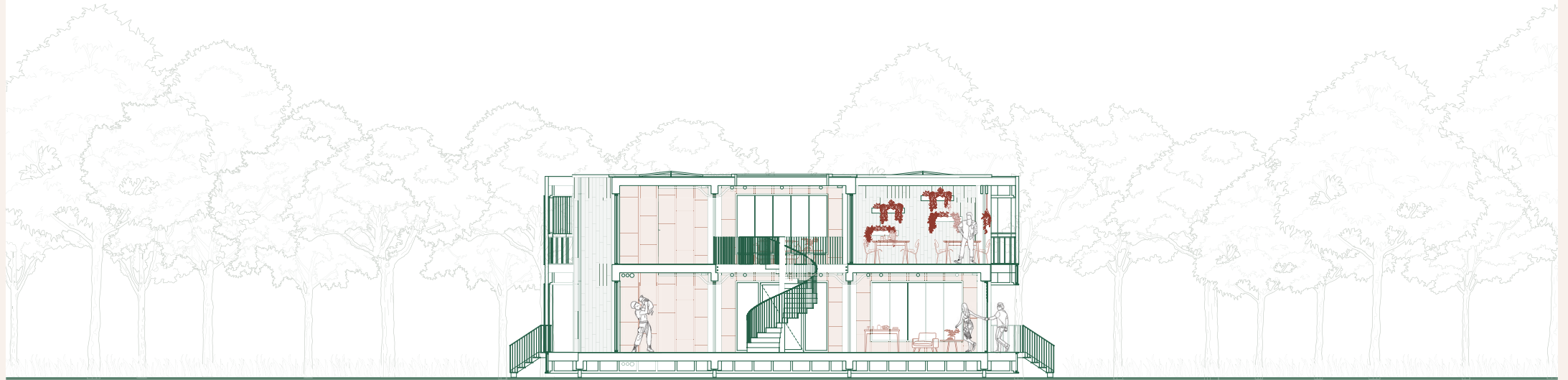
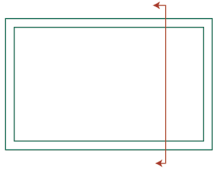


North facade



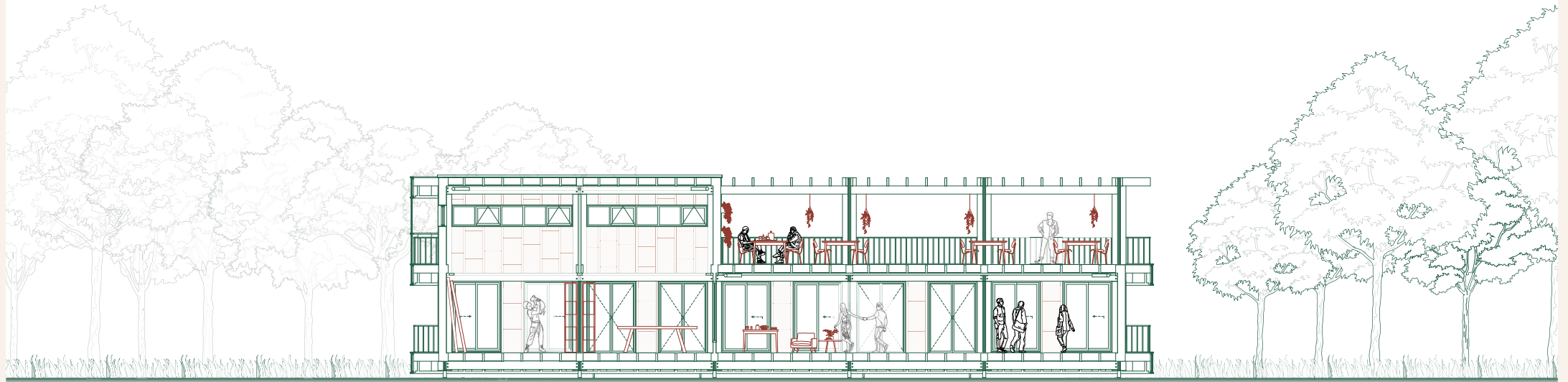
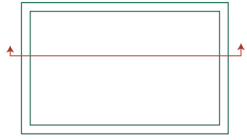


Section A





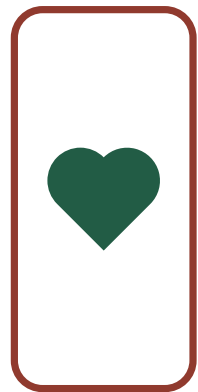
Section B



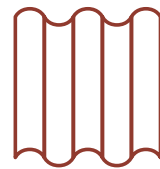
Part III

Dwellings

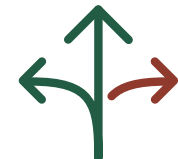
The dwellings provide spaces for inhabitants to connect while also allowing for the creating of private spaces. The building system encourages freedom and expression in both floor plan and facade. A central communal space bring all inhabitants together for communal living.



Communal space



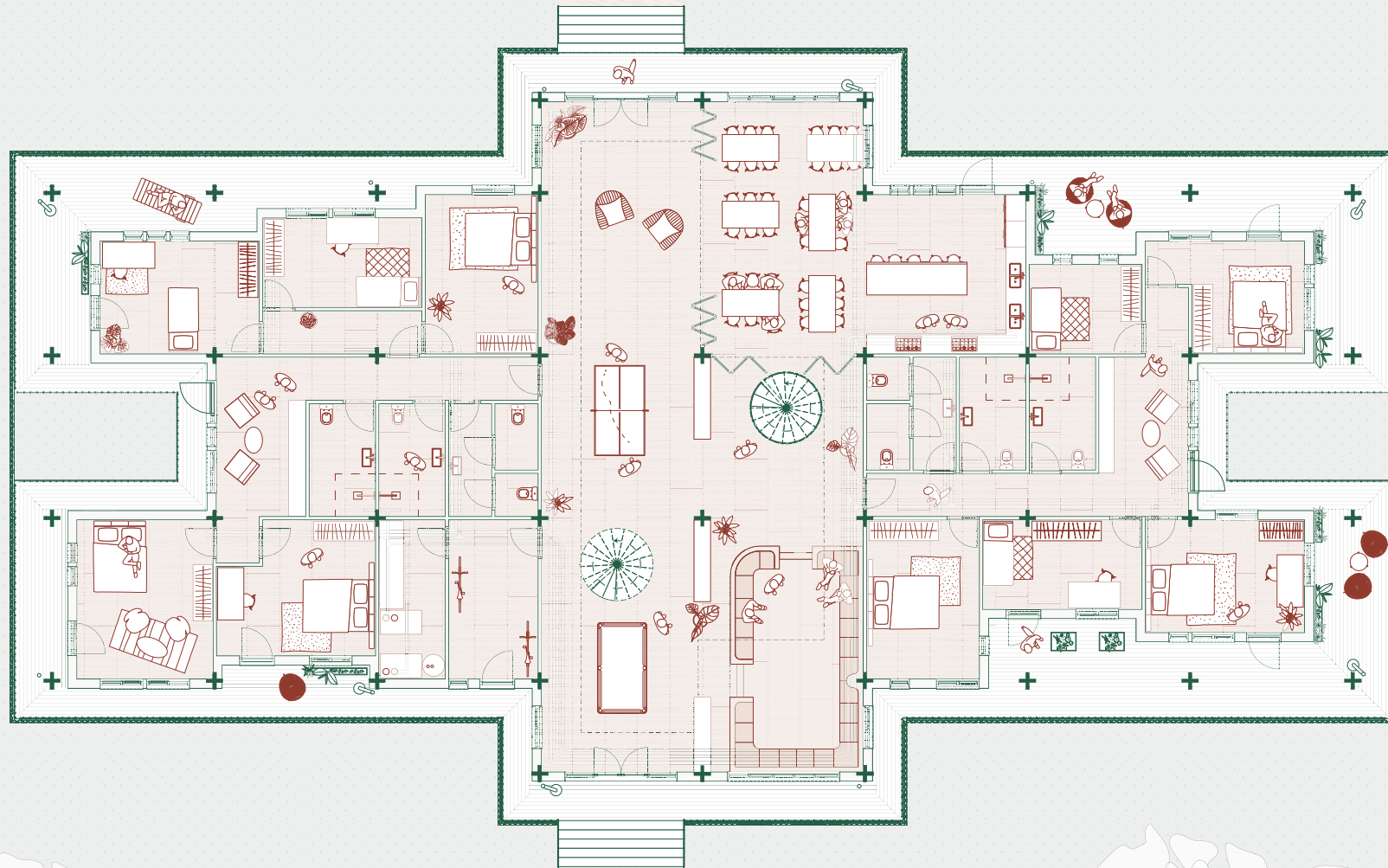
Unity & Expression



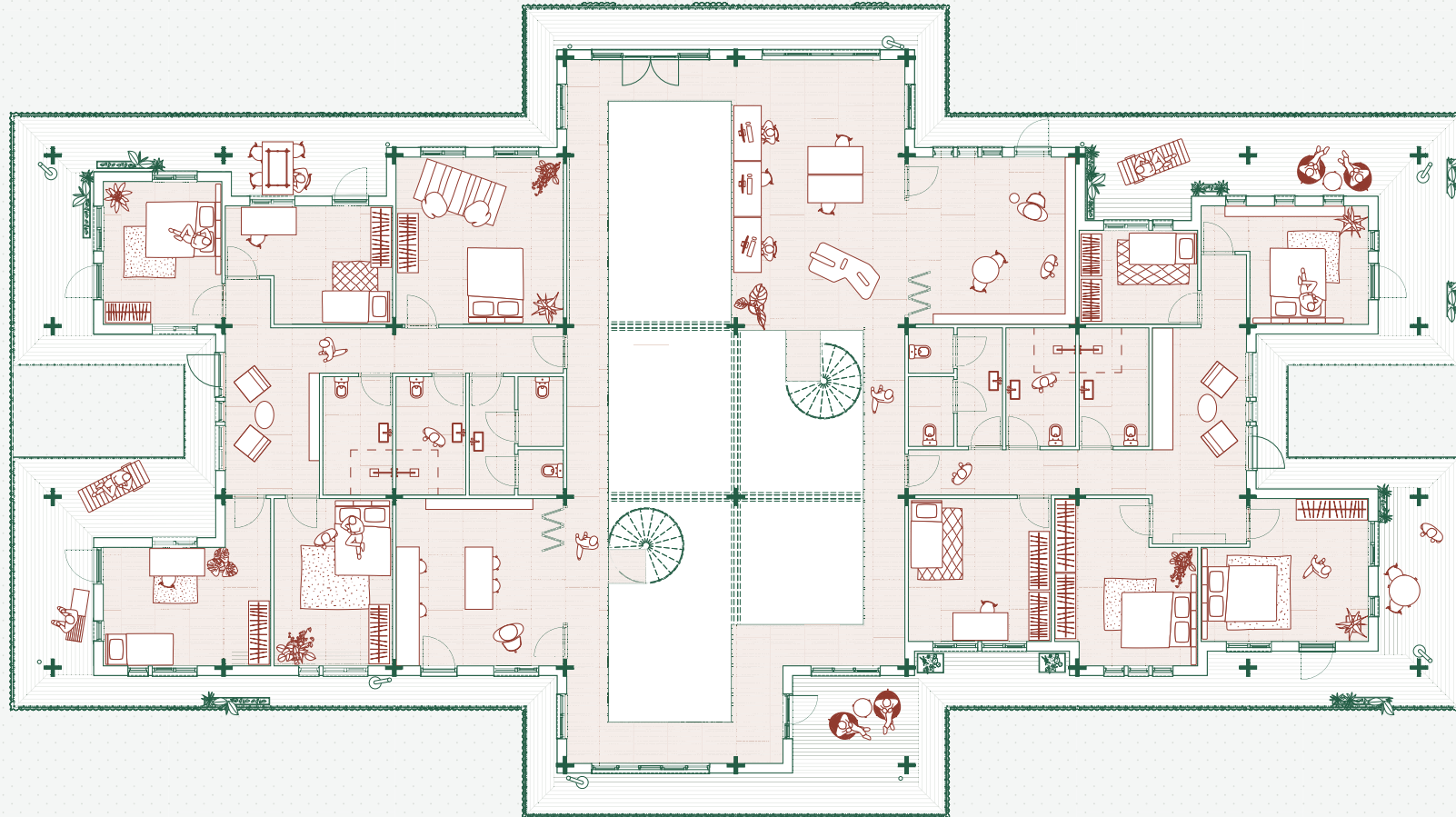
Self building & Expandable



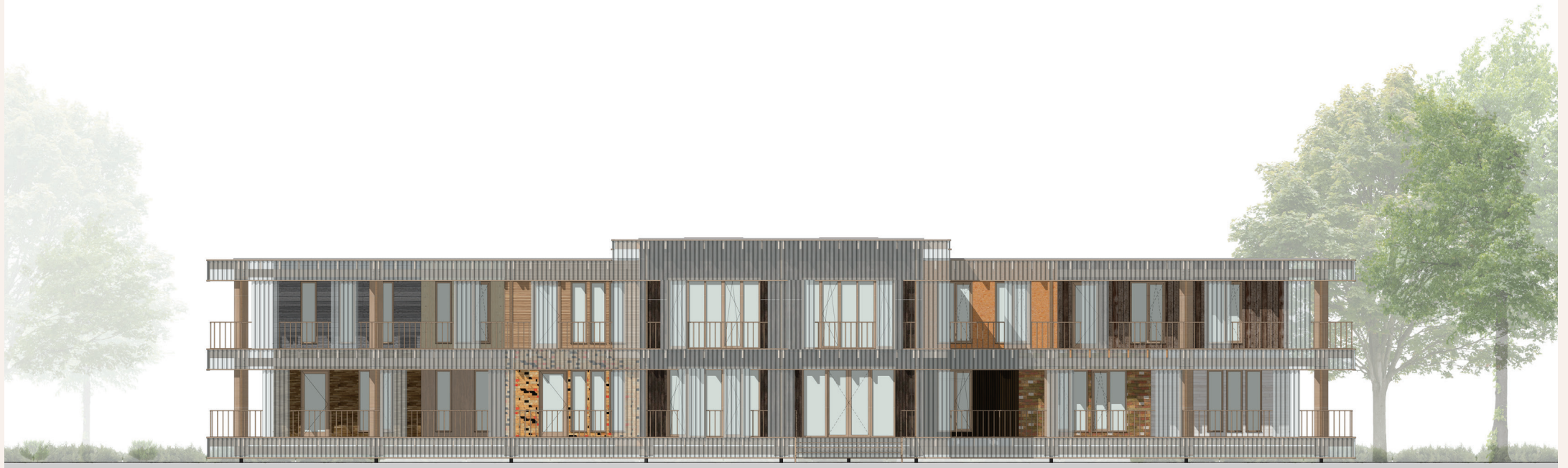
Ground floor



First floor



North facade

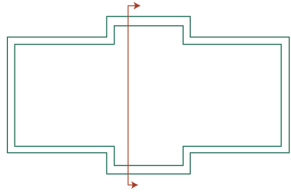


North facade - alternative



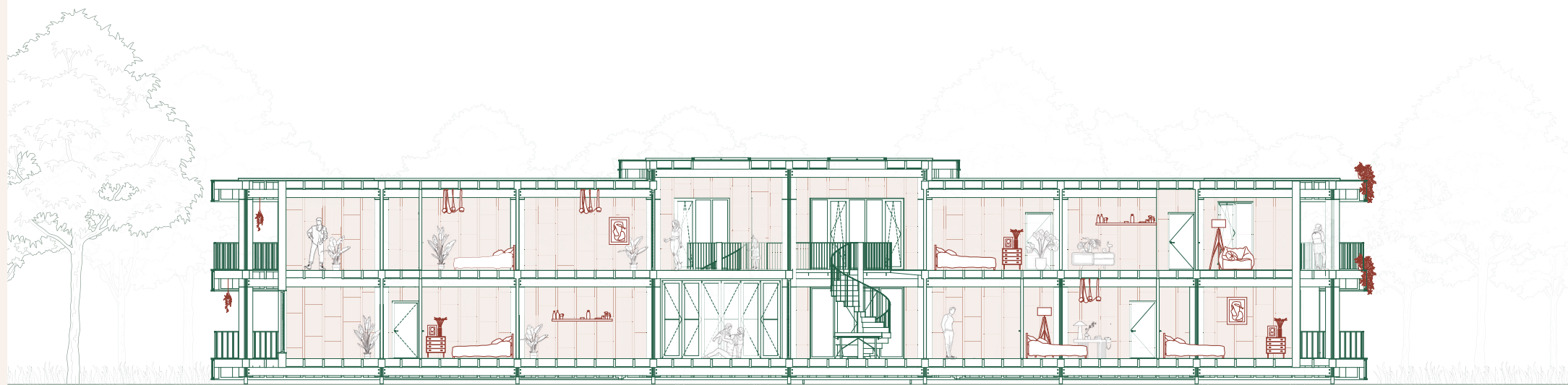
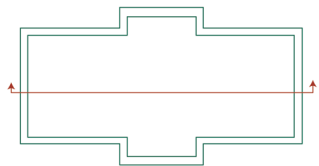


Section A



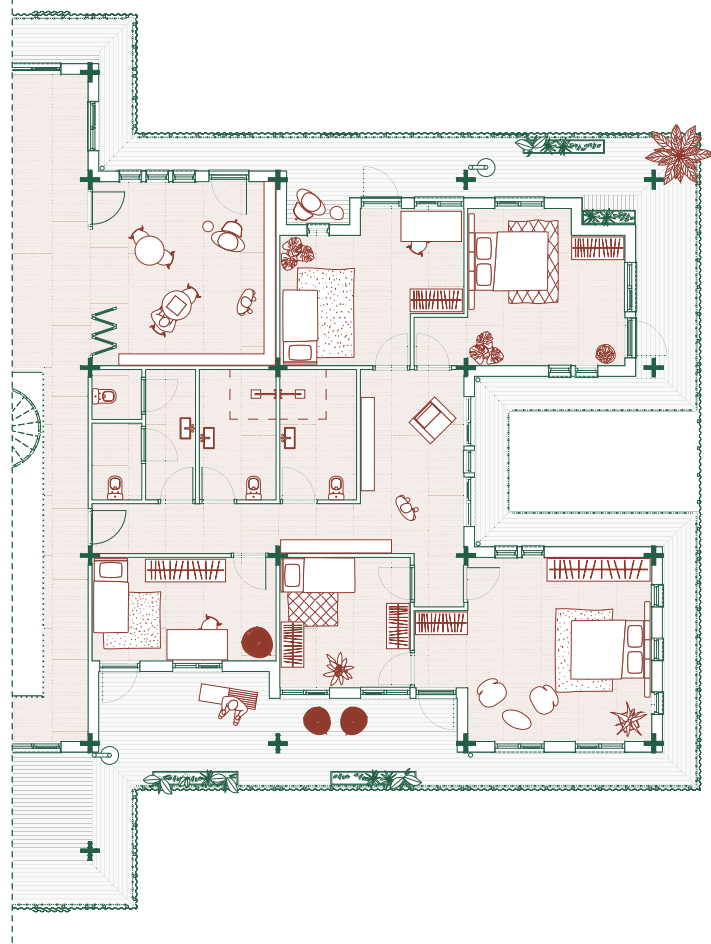


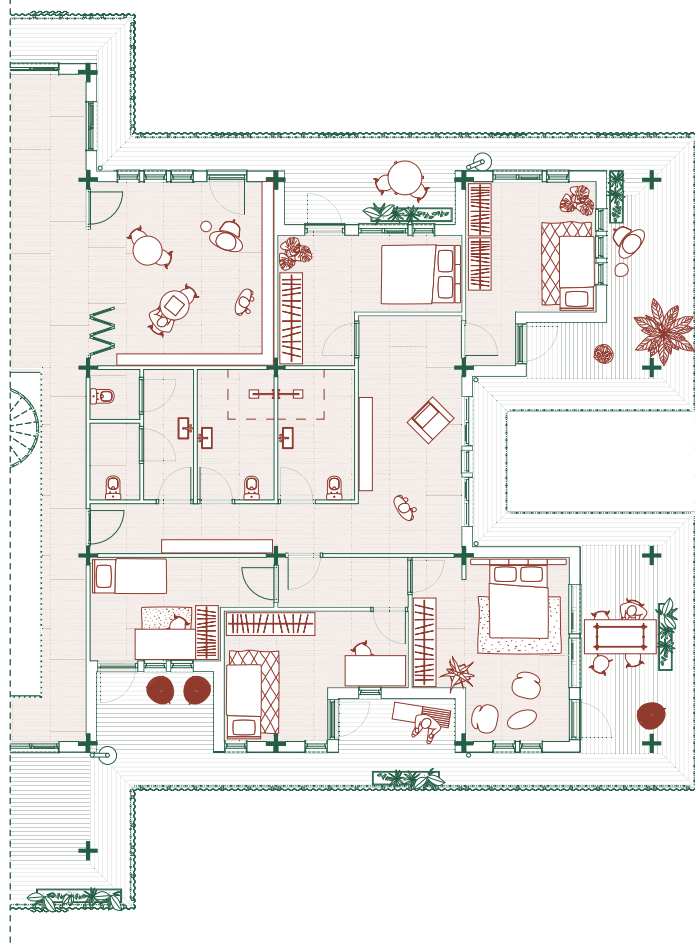
Section B

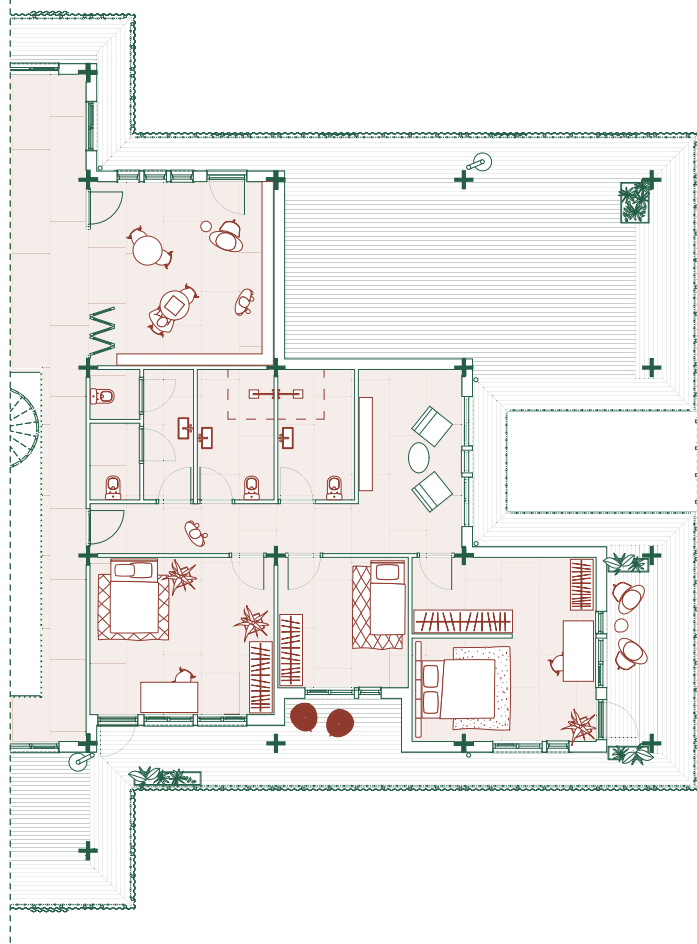


Floor plan alternatives

The building system allows for variations of floor plans. Residents can design and build different types of their private spaces. Rooms can be altered if the needs of the residents change, they can be connected for families with children or be separated







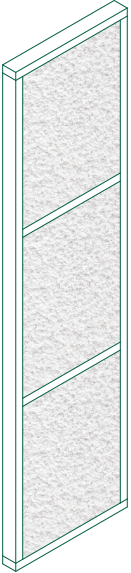
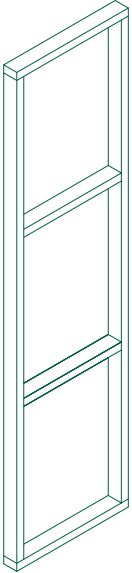
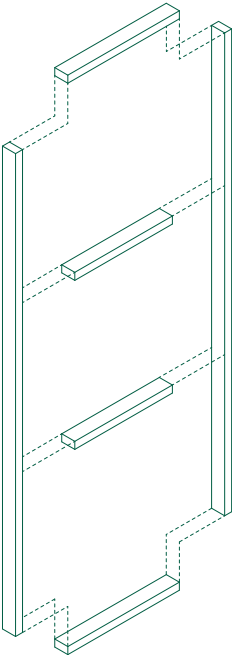


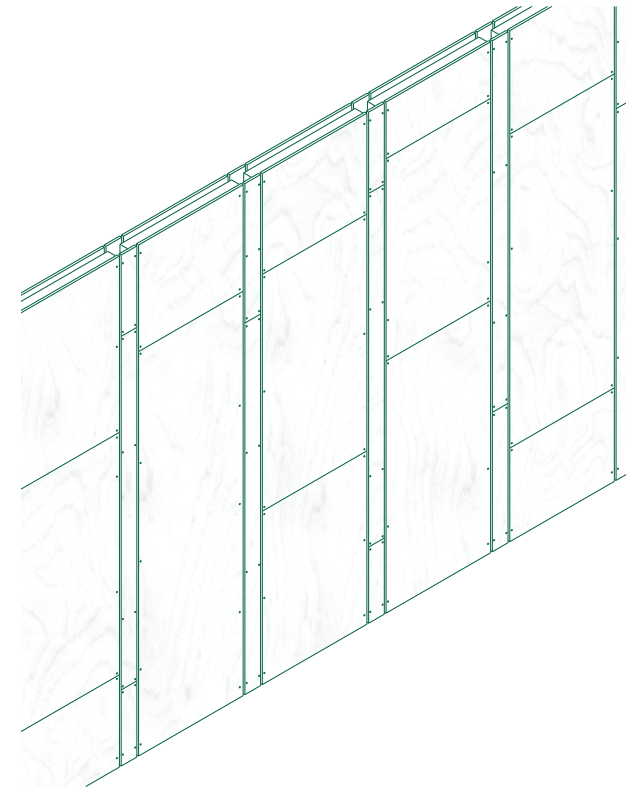
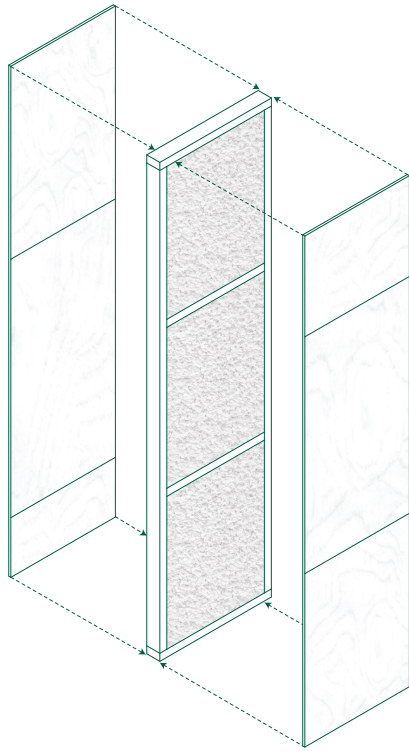


Part IV

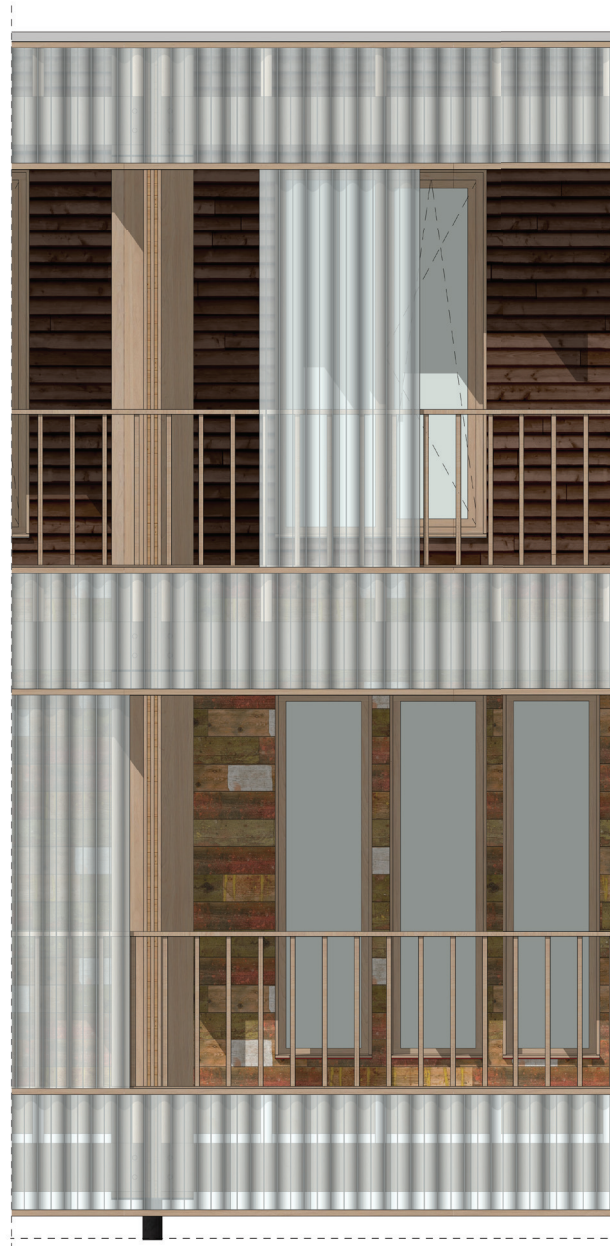
Technical aspects

Wall panel

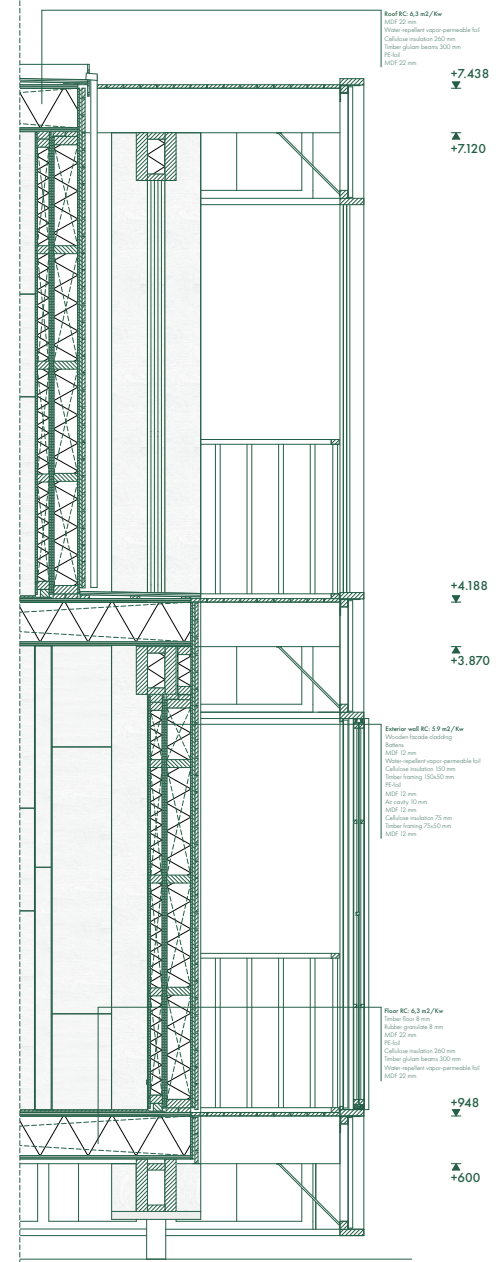
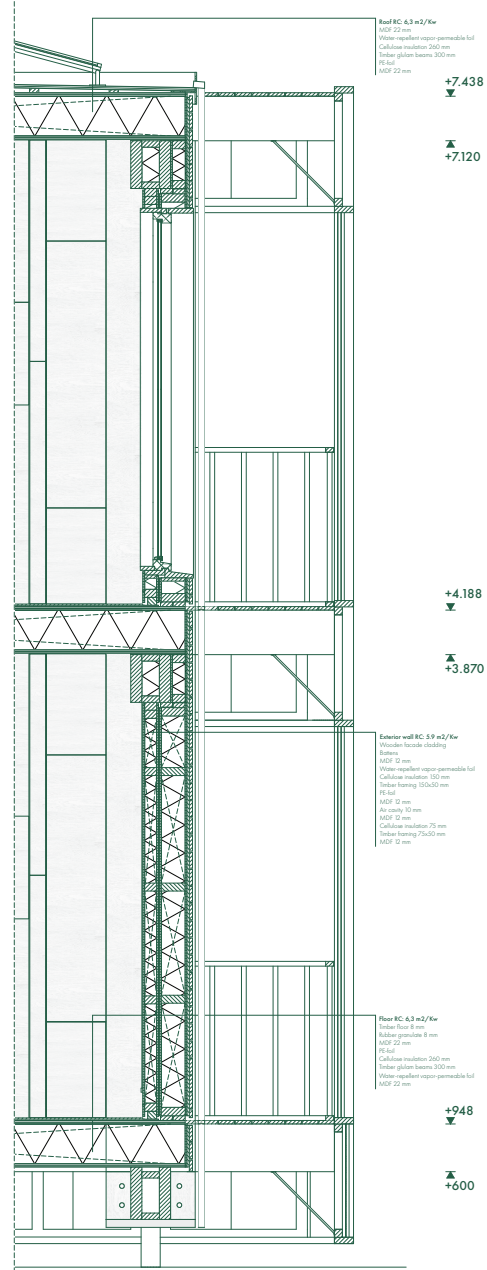




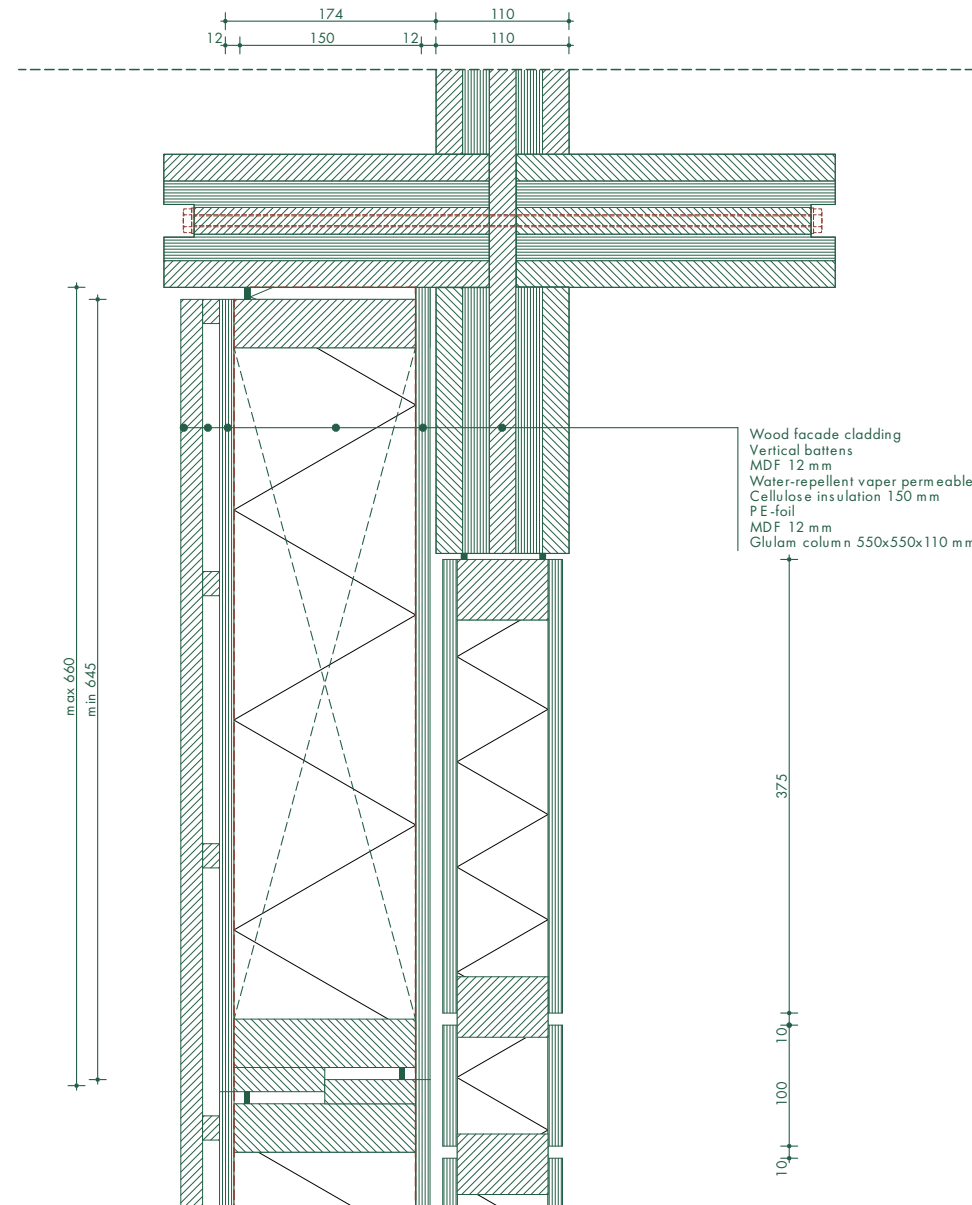
1:20 facade



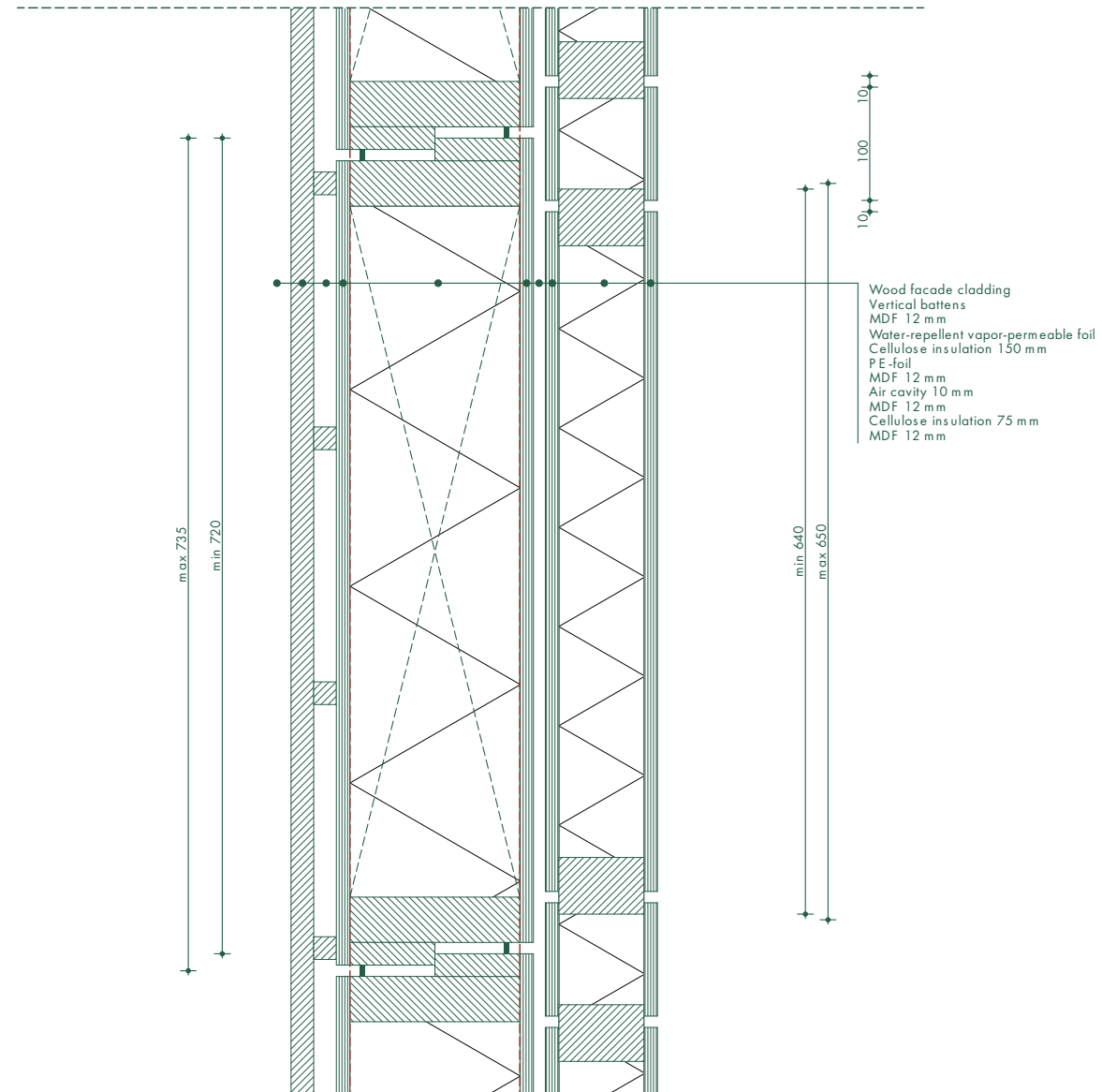
1:20 sections



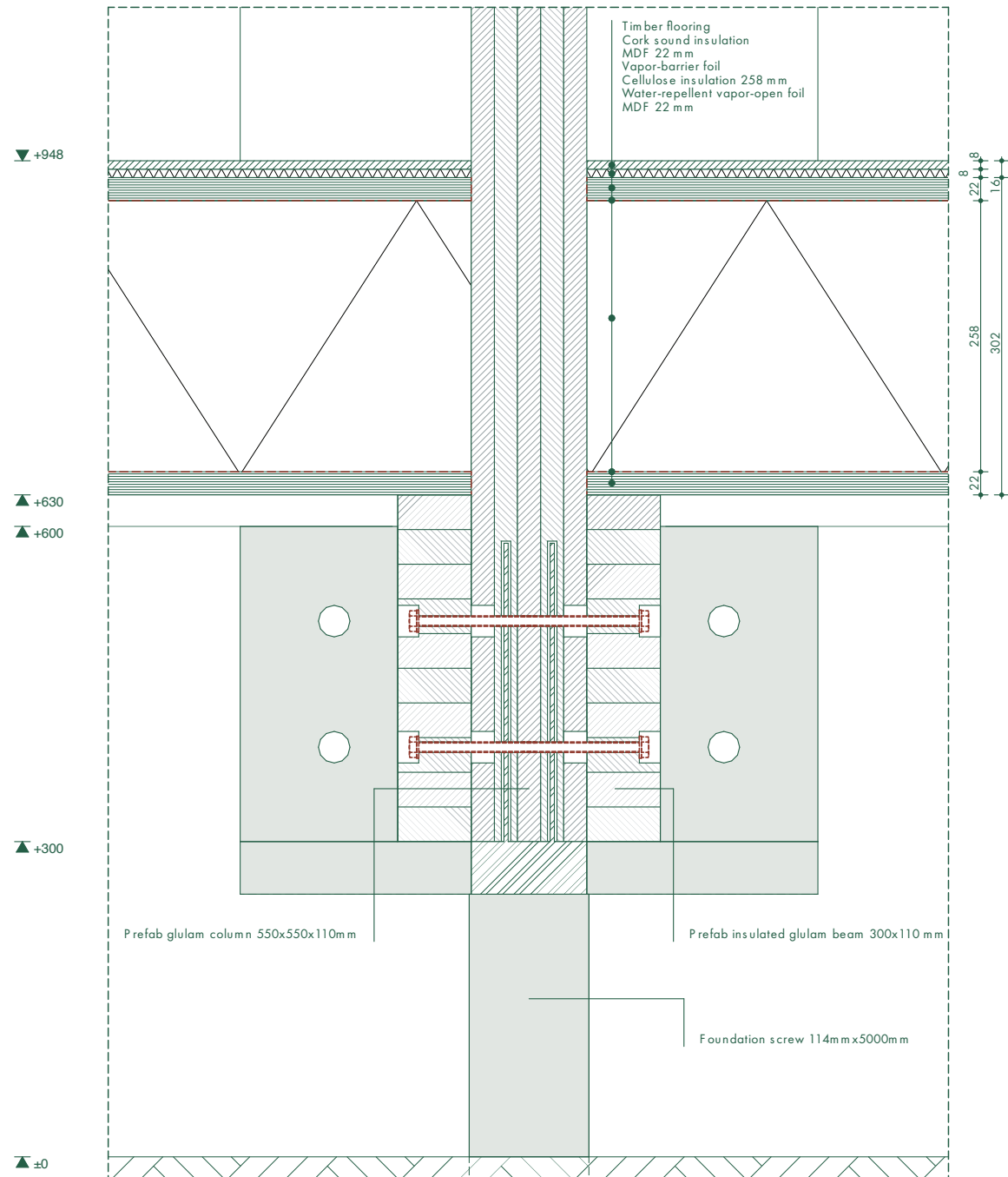
Horizontal detail 01



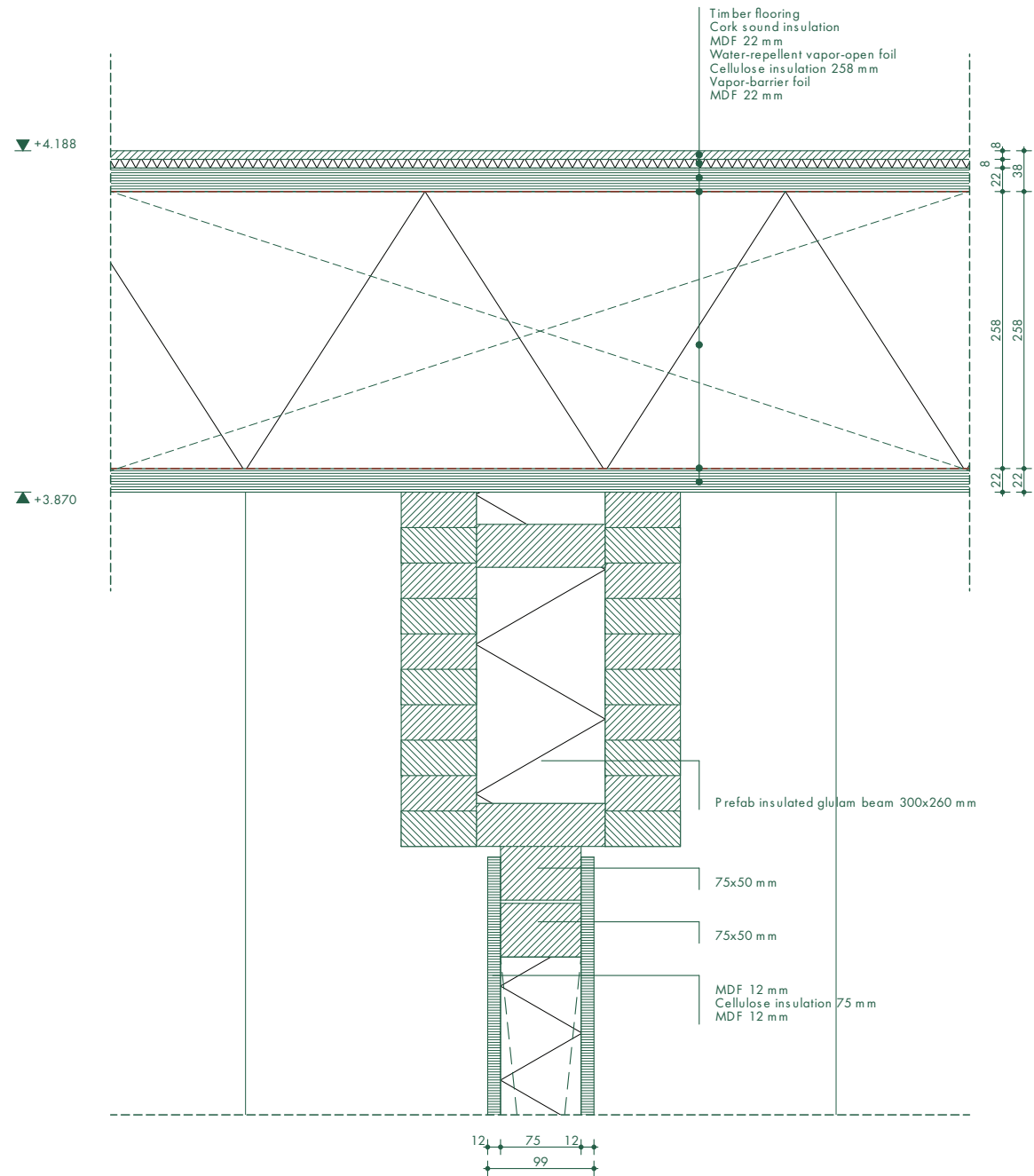
Horizontal detail 02



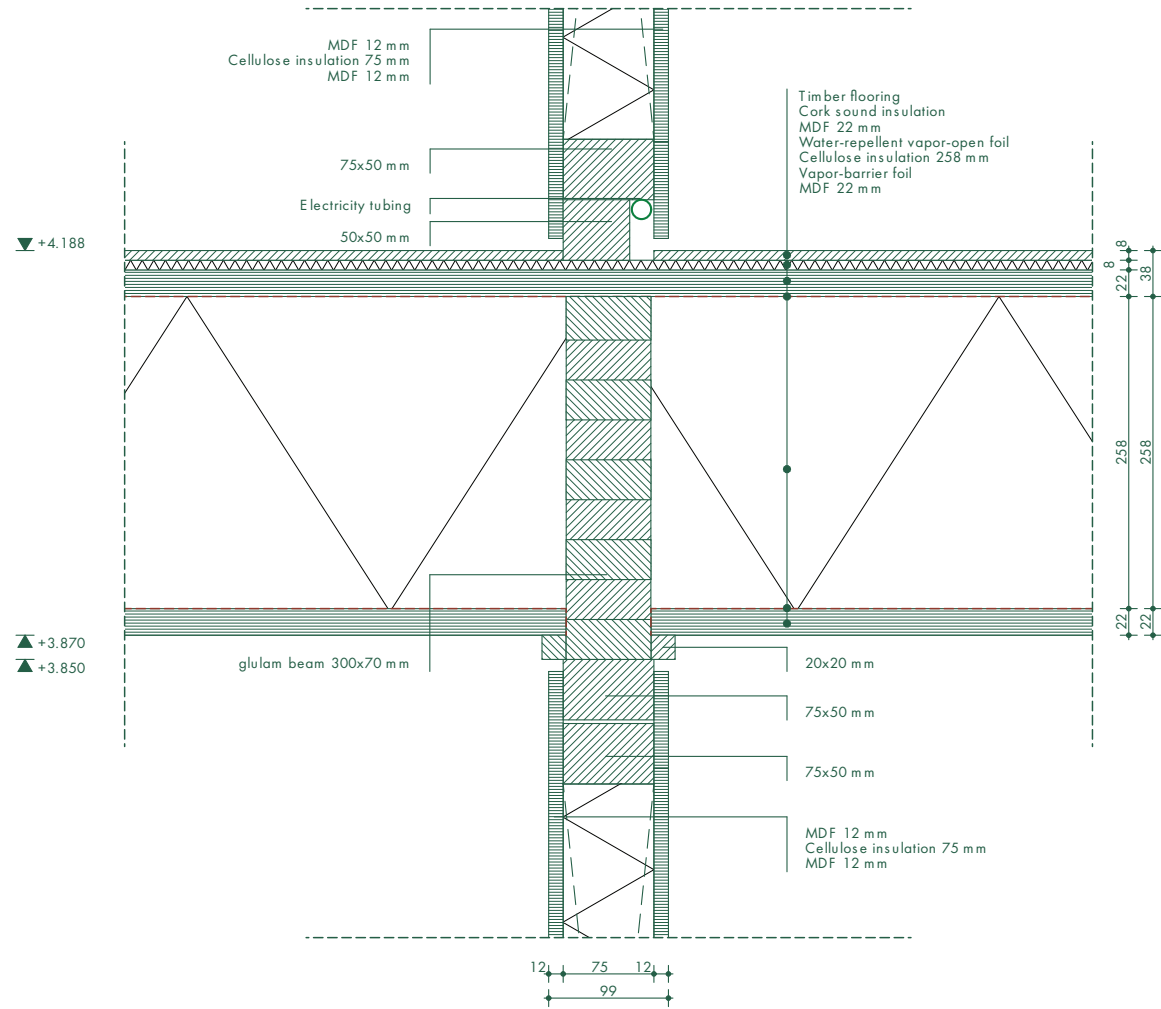
Vertical detail 01



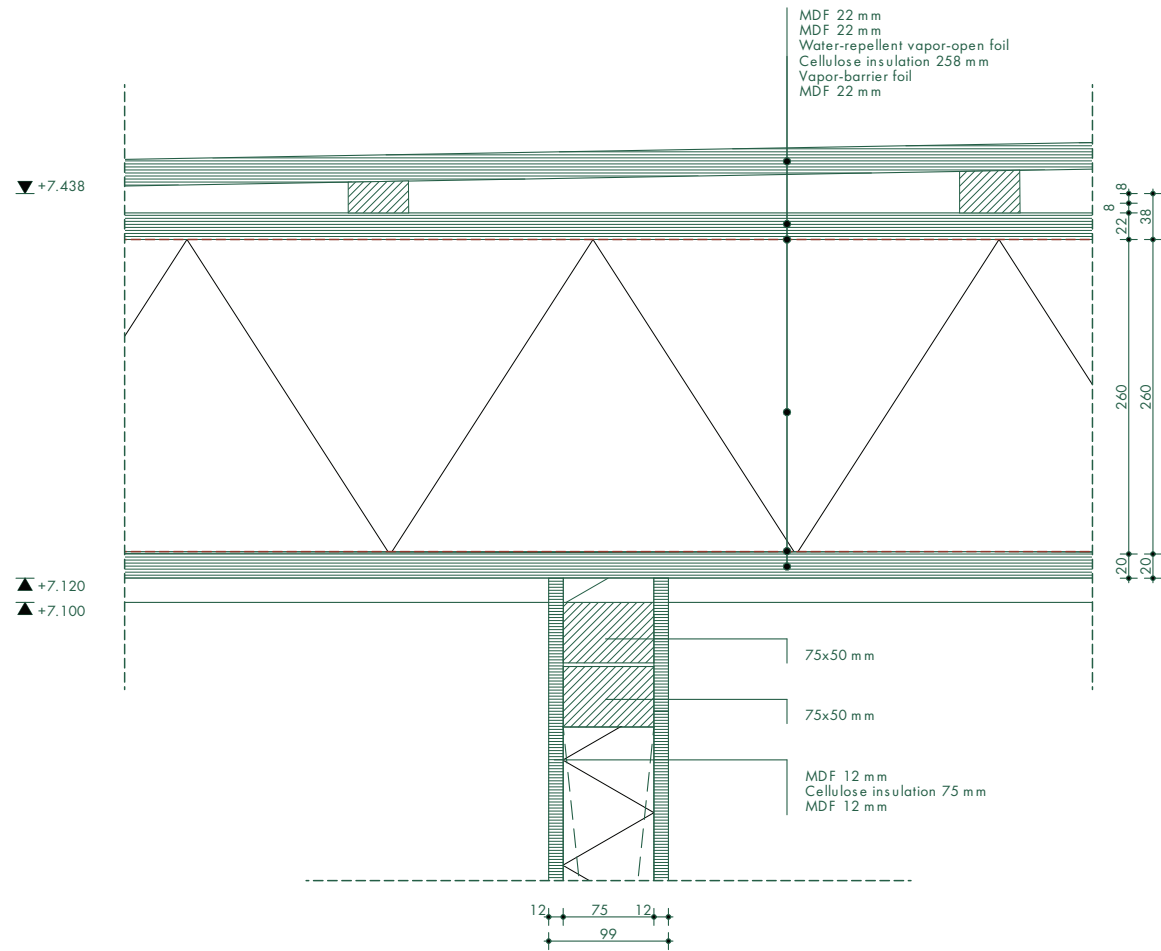
Vertical detail 02



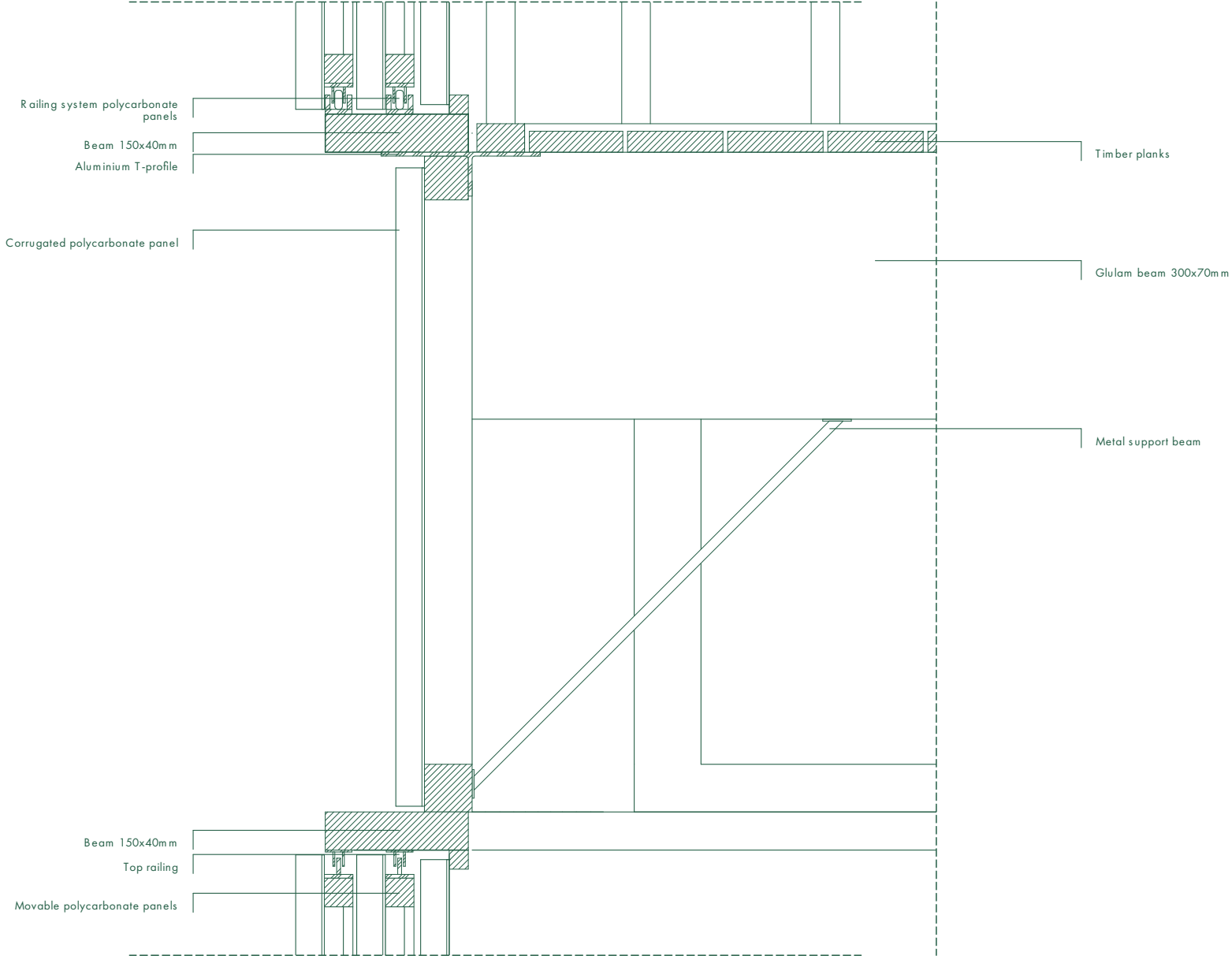
Vertical detail 03



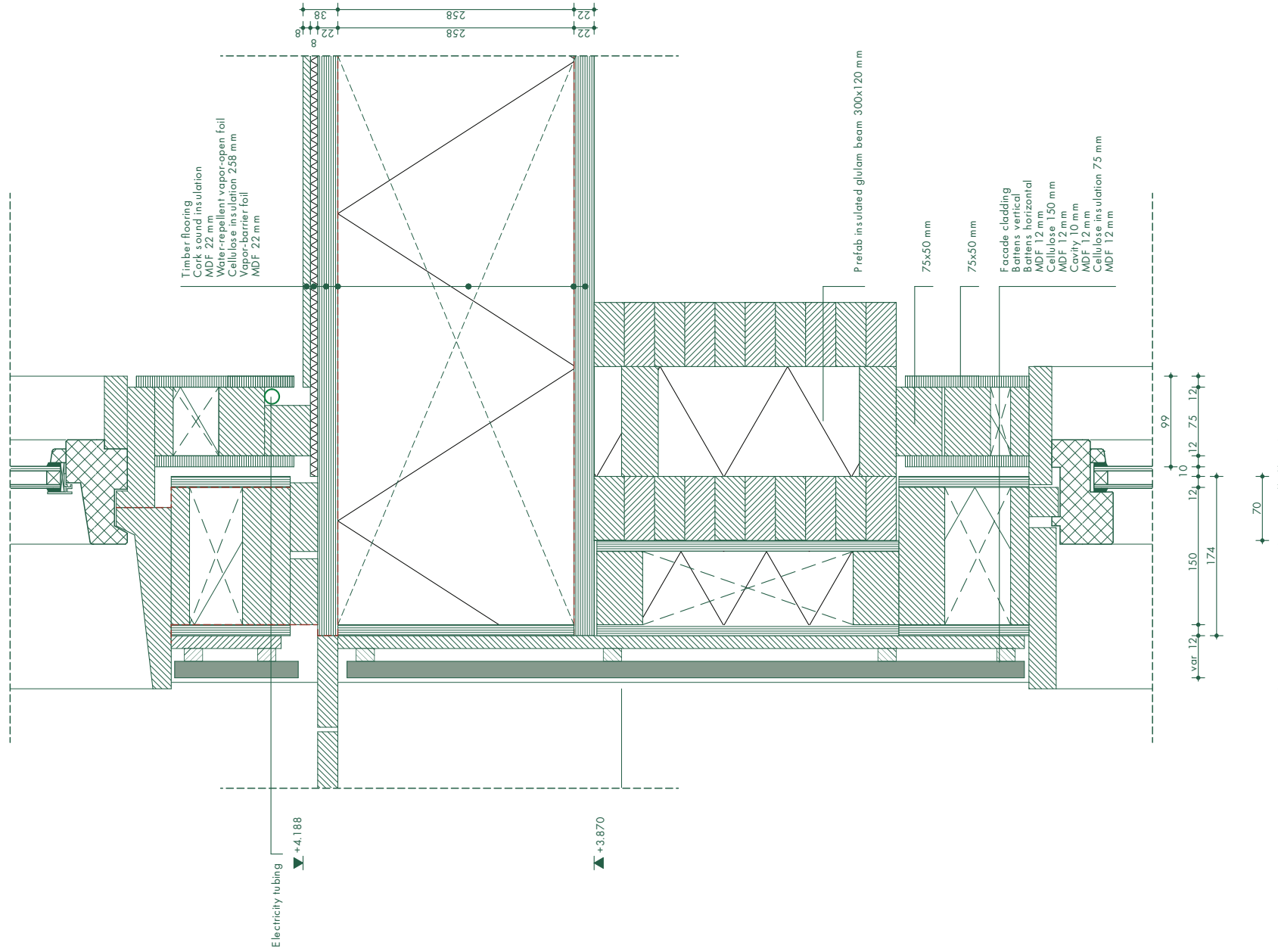
Vertical detail 04



Vertical detail 05



Vertical detail 06



Pipework principle - public building

