kara transit hub

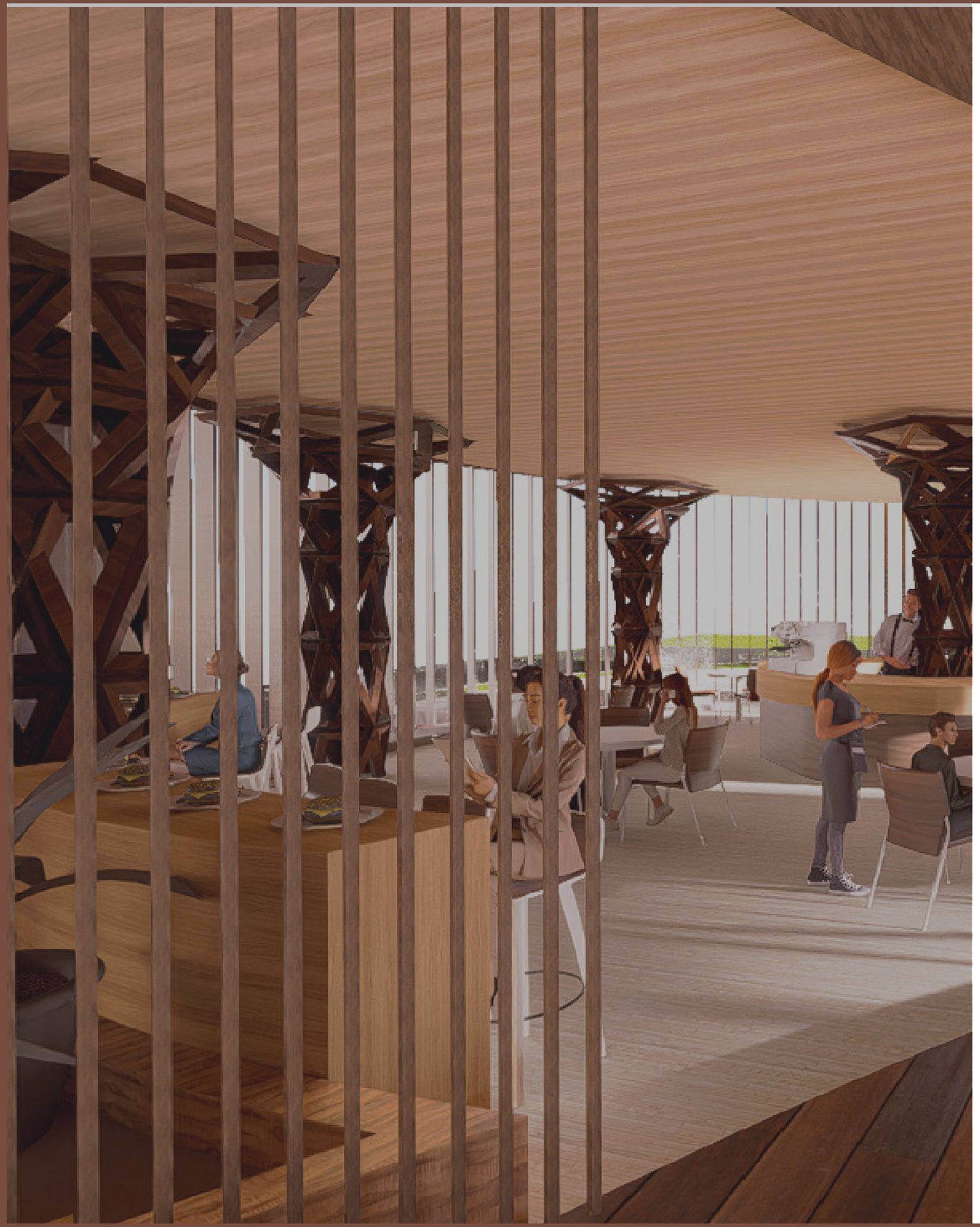
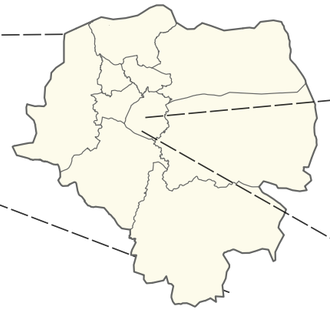


Table of contents

Site location

Ethiopia

Addis Ababa

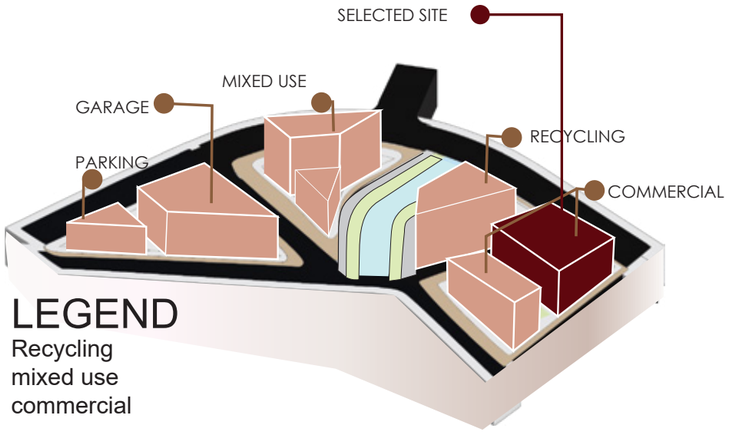


Kolfe Keranio

Kara kore site

The site boundary for the new master plan to be implemented.

Site master plan



LEGEND
Recycling
mixed use
commercial

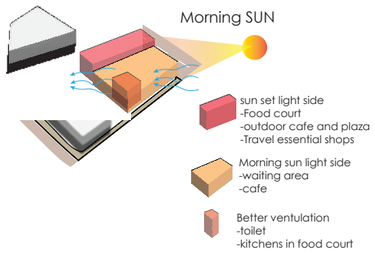
The master plan was on the basis of a vison to ensure a better surrounding and problem solving spatial arrangment

It has a strategic located for a good circulation of vechicle being adjacent to both primary and secondary roads

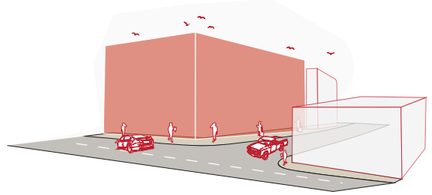
Program relation to site

SUN SET

Program arrangment relation to sun path and wind direction

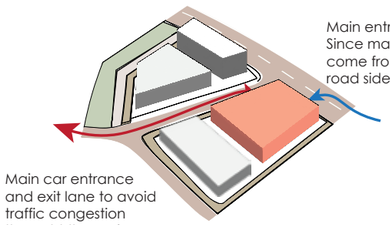


Main view point of the site

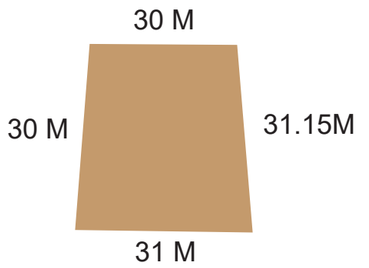


-To identify space through form
-To maximize aesthetic view

Major entry points and car circulation points



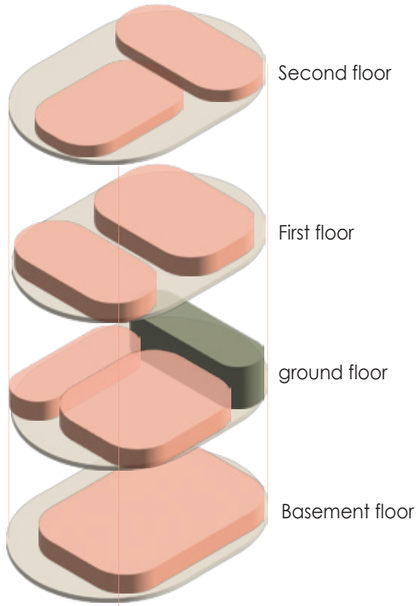
Site Area



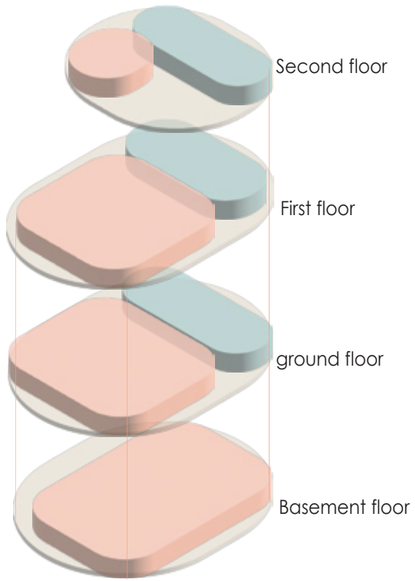
The total area will be=935 M^2
Perimeter= 120.15 M
Hard scape =74%
Soft scape=26%
=691.9M2
=243.1M2

Program Zoning

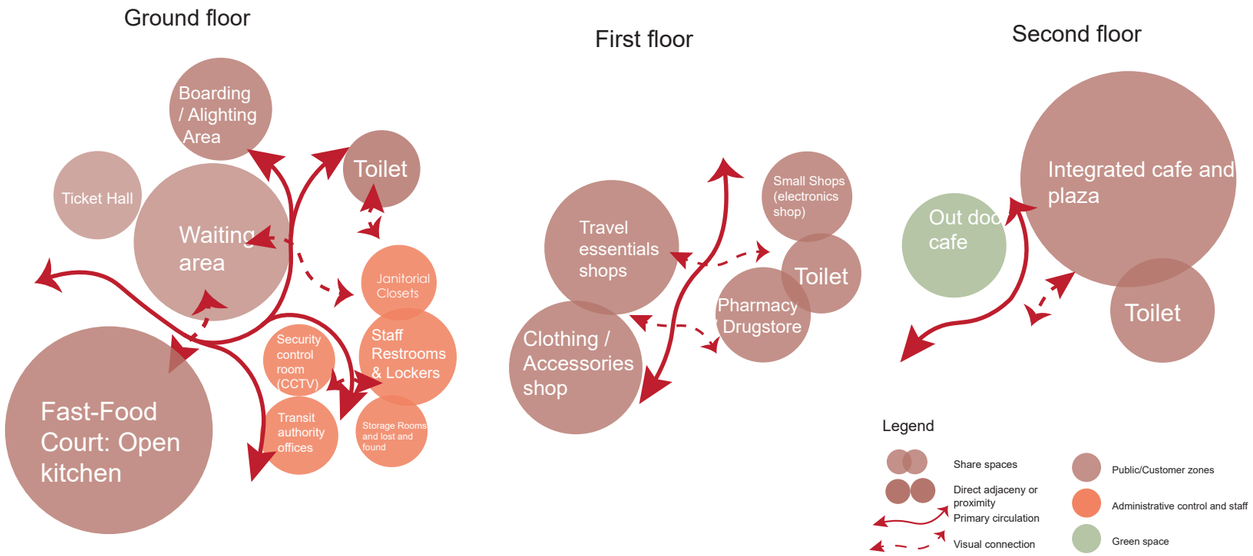
Public vs private zoning



Noise zoning



Bubble diagram



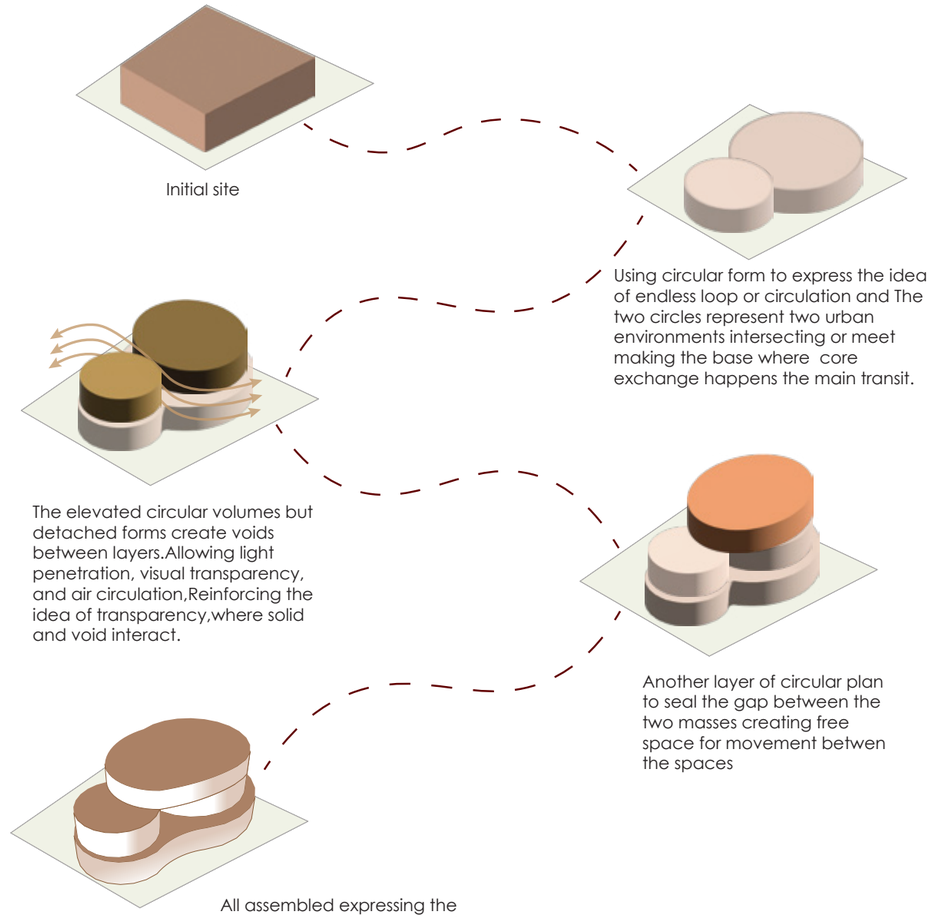
CONCEPT:Breating Nexus

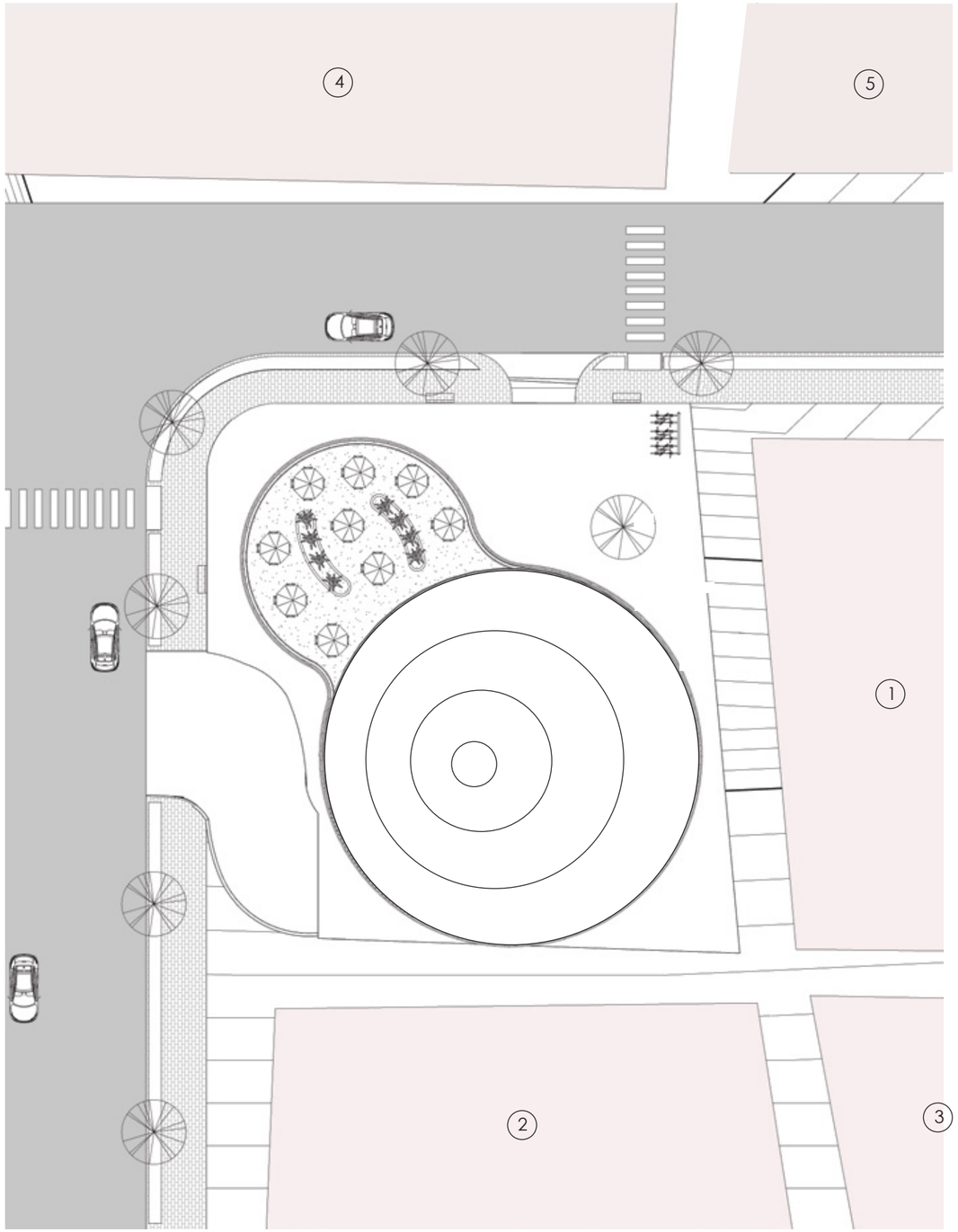
means to create a central point of a connection where environments,peoples flow troughout the space and connecting e
nvironments to resemble the human breating.
Abstraction or Spatial interpretation
1.Multiple environment
2.Figure ground relation between
space and circulation
3.Transparancy

Main parts of the building to intervene with

1.Facade
2.Wall
3.Structure(resembling the shape of a vortex to express circulation)

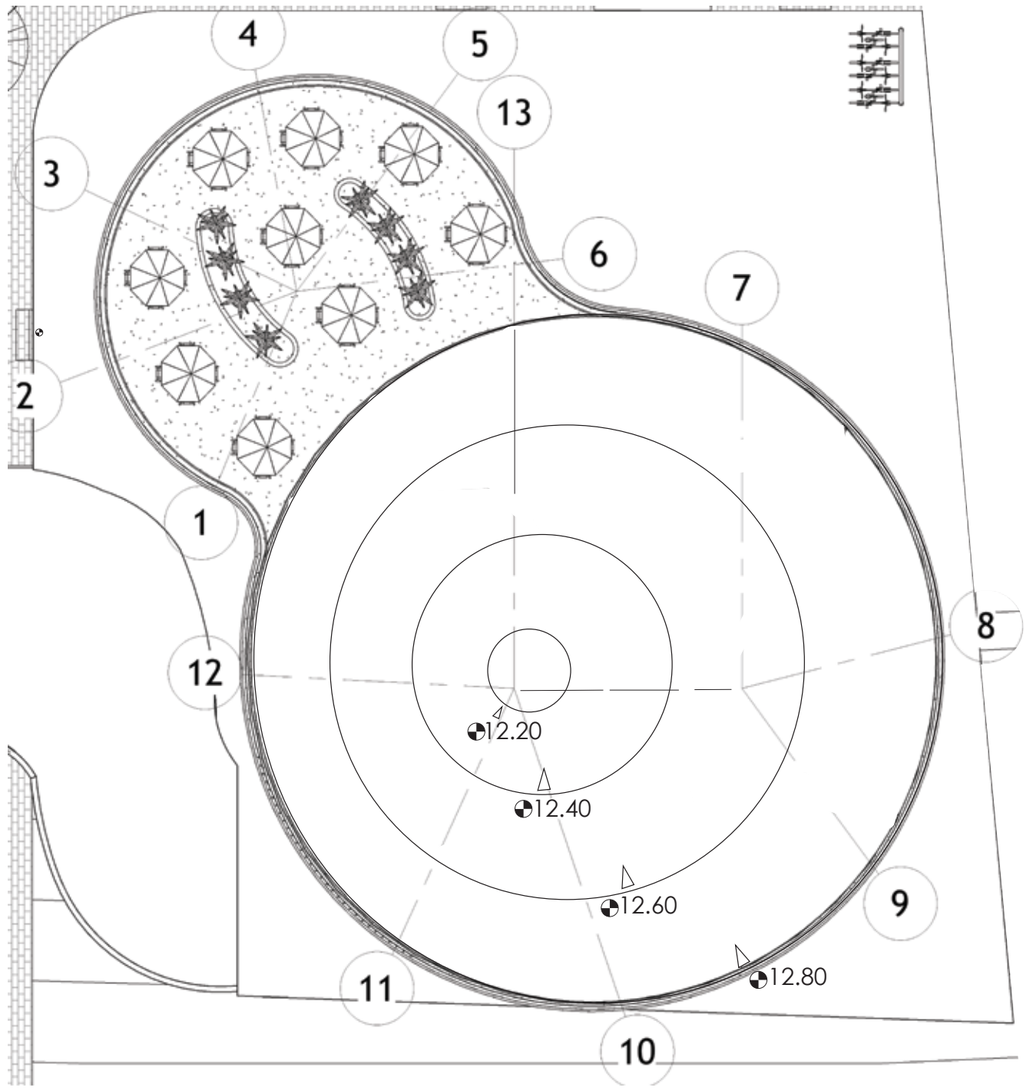
Form development



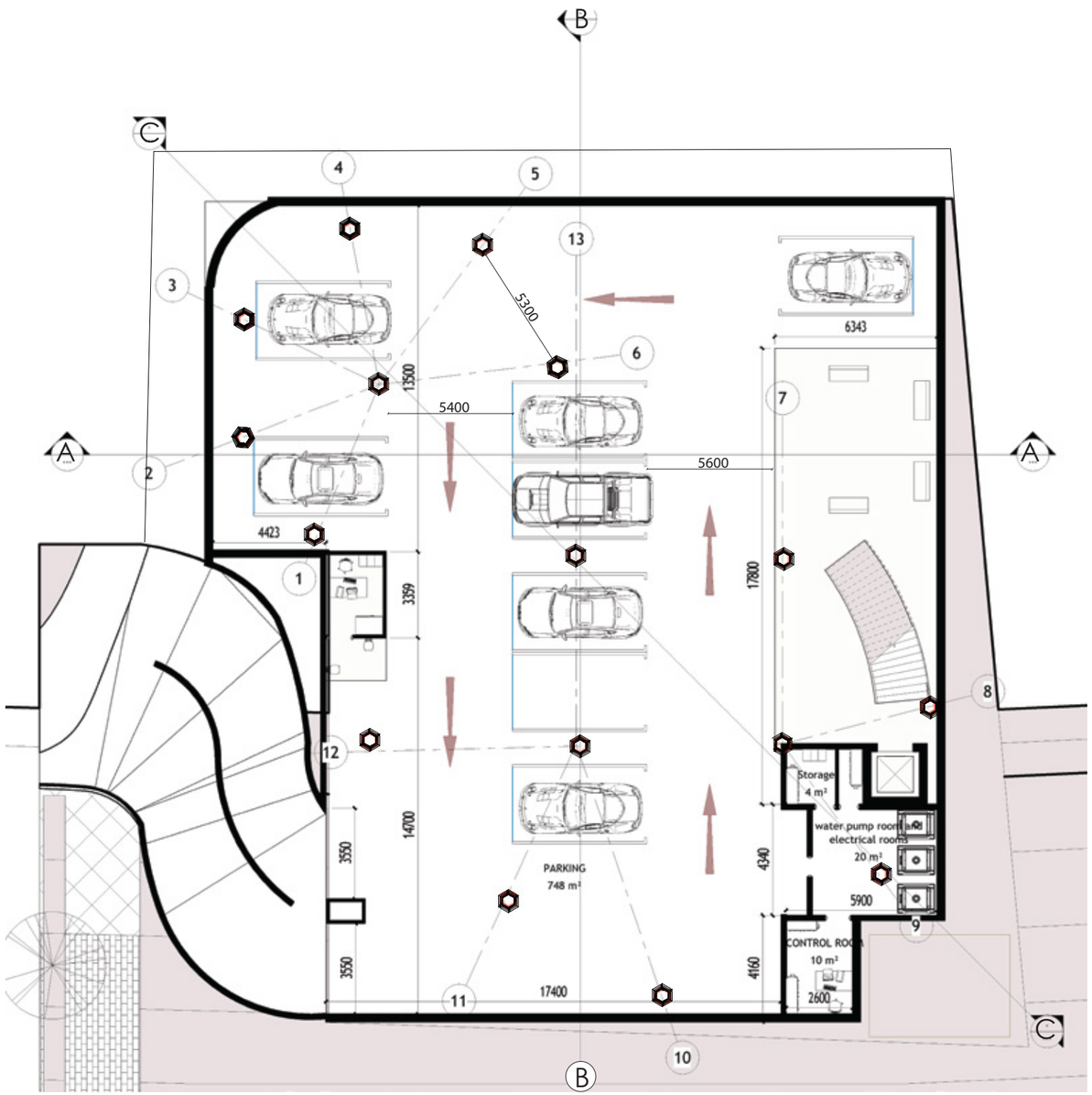


Site plan

Legend
1.Commercial
2.Commercial
3.Recycling
4.Commercial
5.Commercial

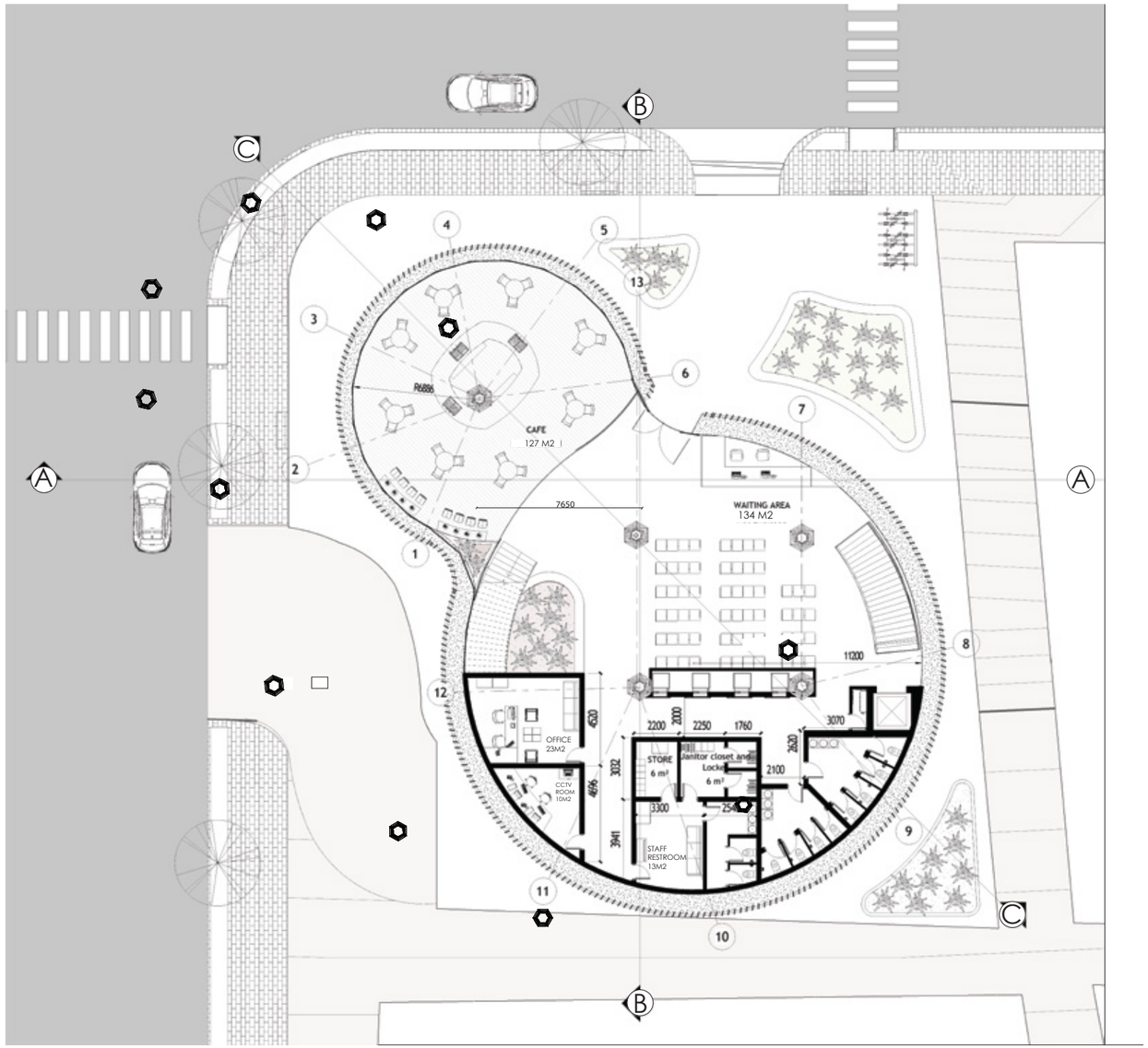


Roof plan



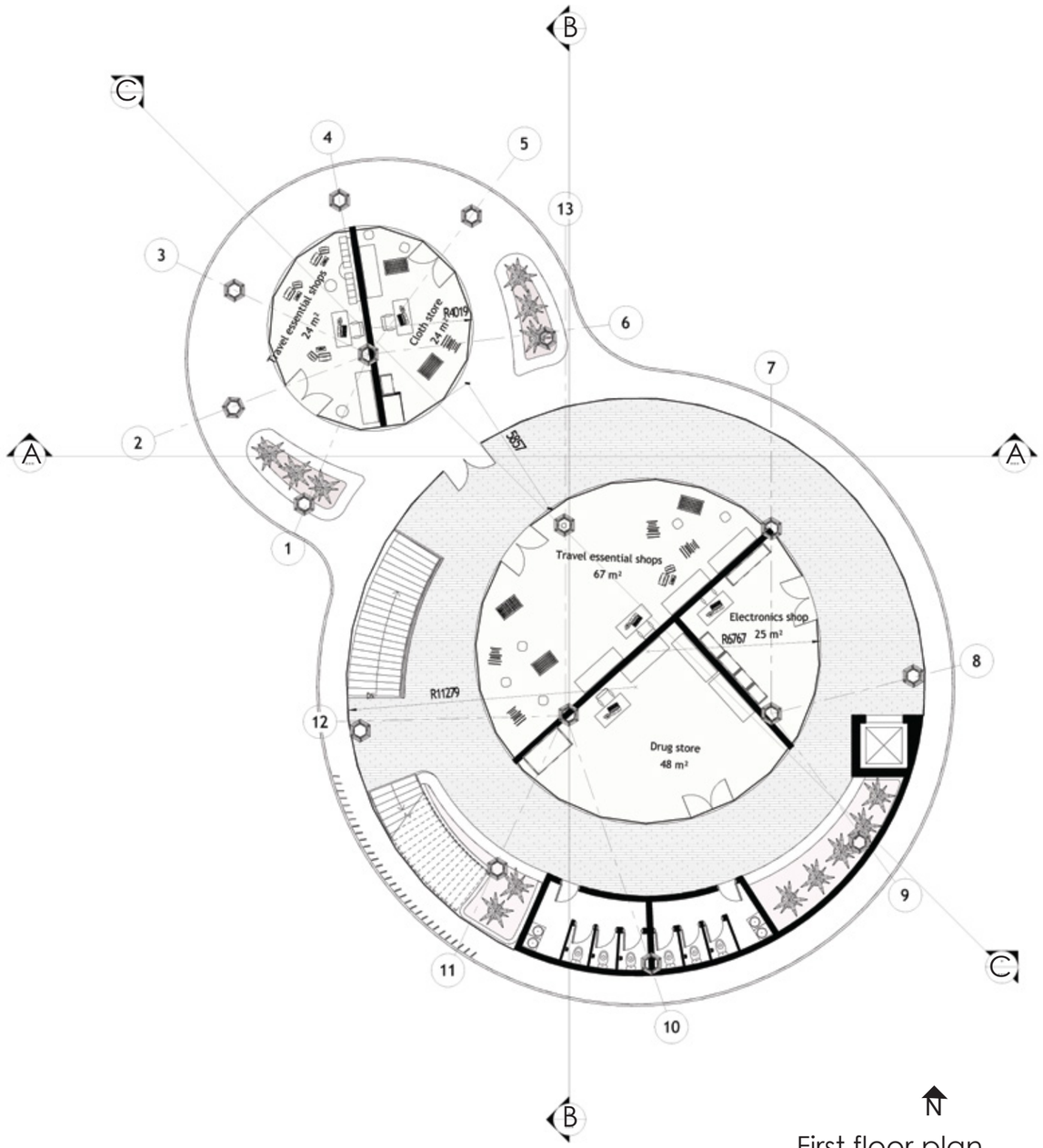
N

Basement plan

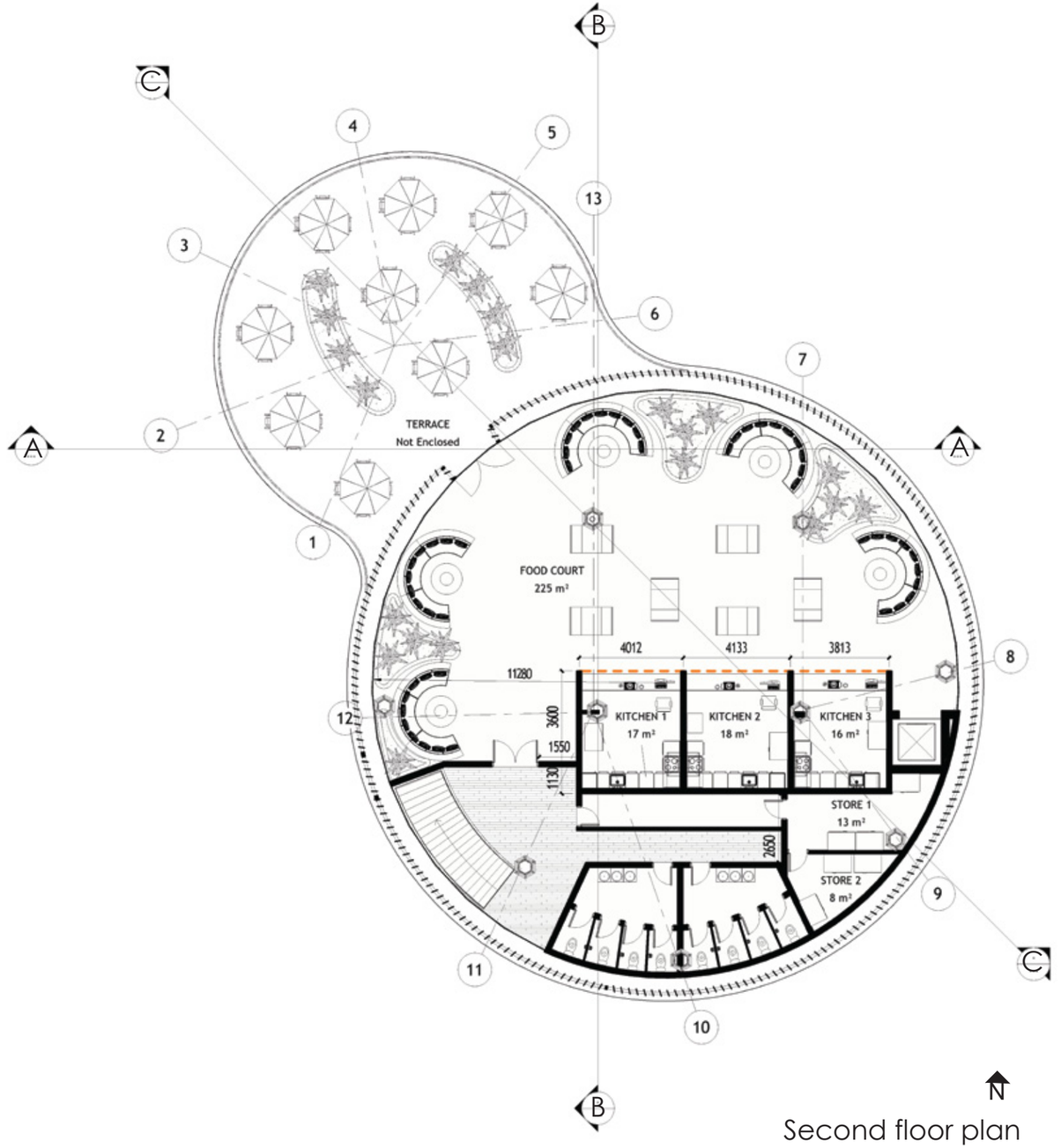


N

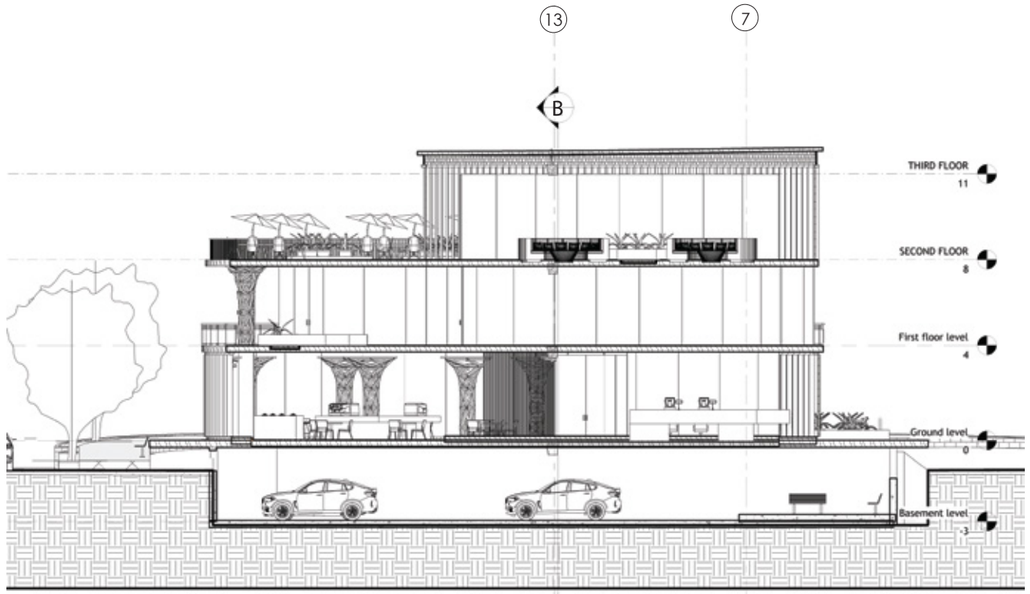
Ground floor plan



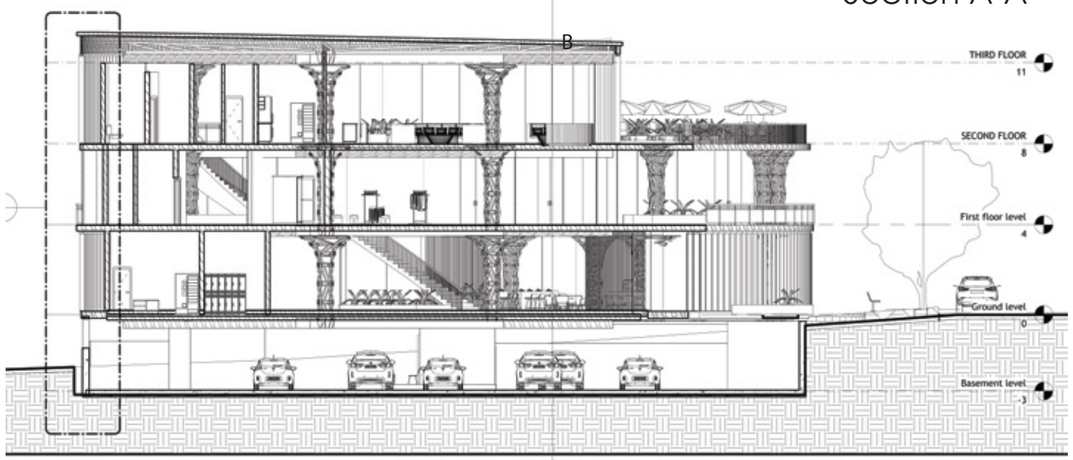
First floor plan



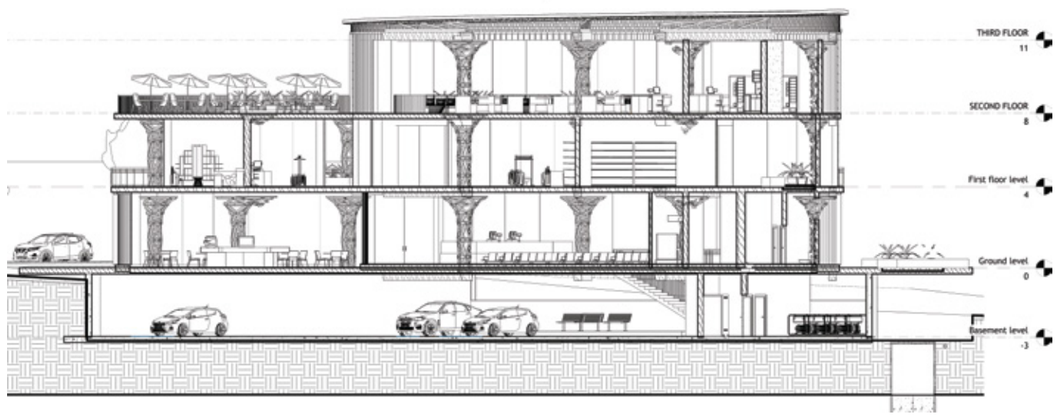
Second floor plan



Section A-A

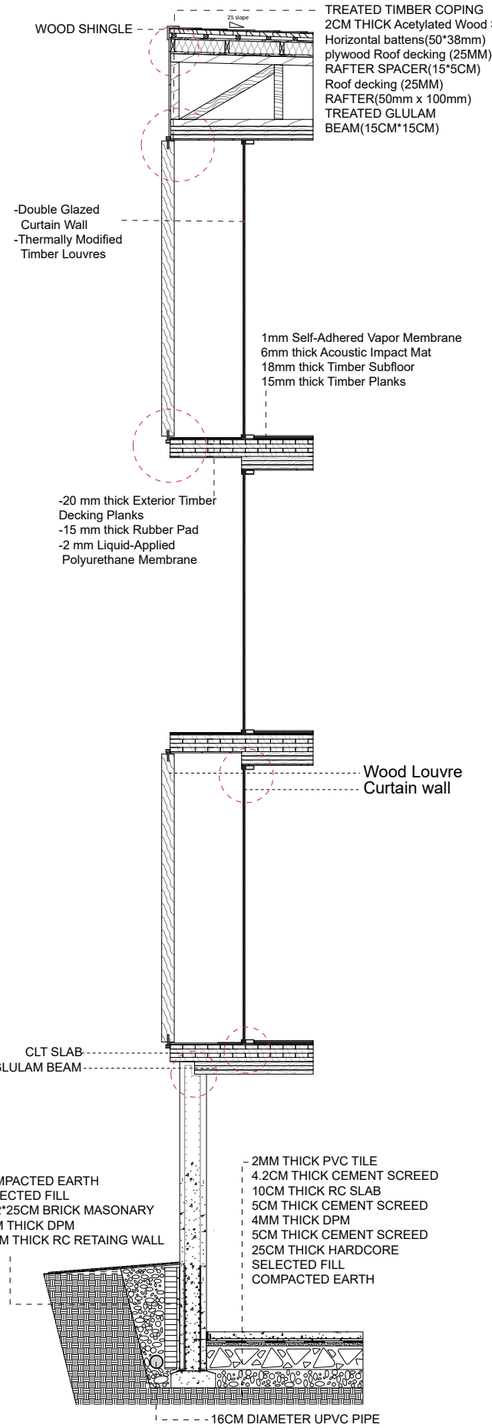


Section B-B



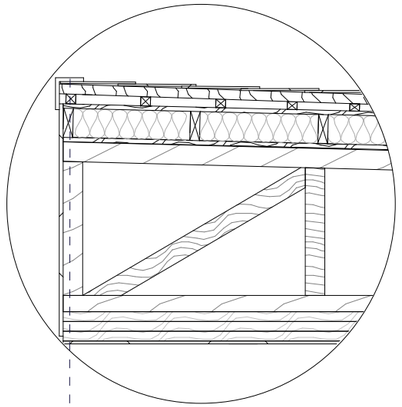
Section C-C

Facade section



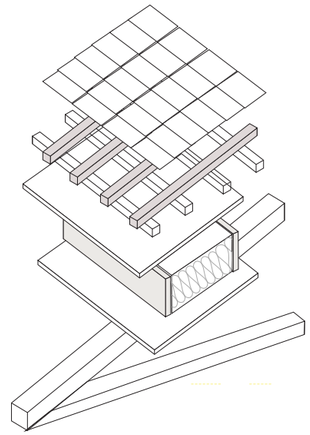
Roof system detail

Truss system

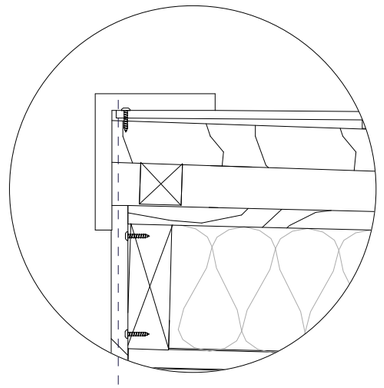


Treated timber coping
2CM Thick Acetylated Wood Shingles
Horizontal battens(50*38mm)
Plywood roof decking (25mm)
Rafter spacer(15*5cm)
Roof decking (25mm)
Rafter(50mm x 100mm)
Treated glulam beam(15cm*15cm)

Exploded roof

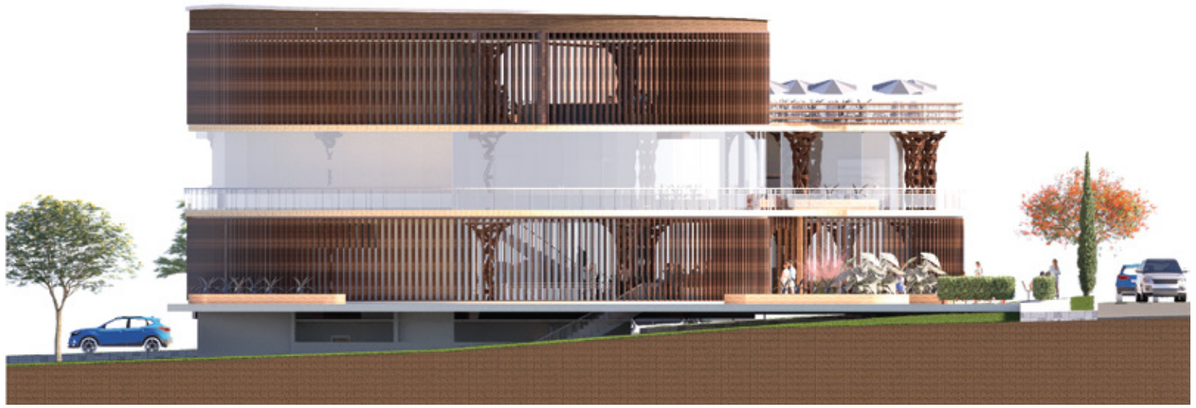


ROOF COPING



Treated timber coping
2cm Thick Acetylated Wood Shingles
Horizontal battens(50*38mm)
plywood Roof decking (25mm)
Plywood cover

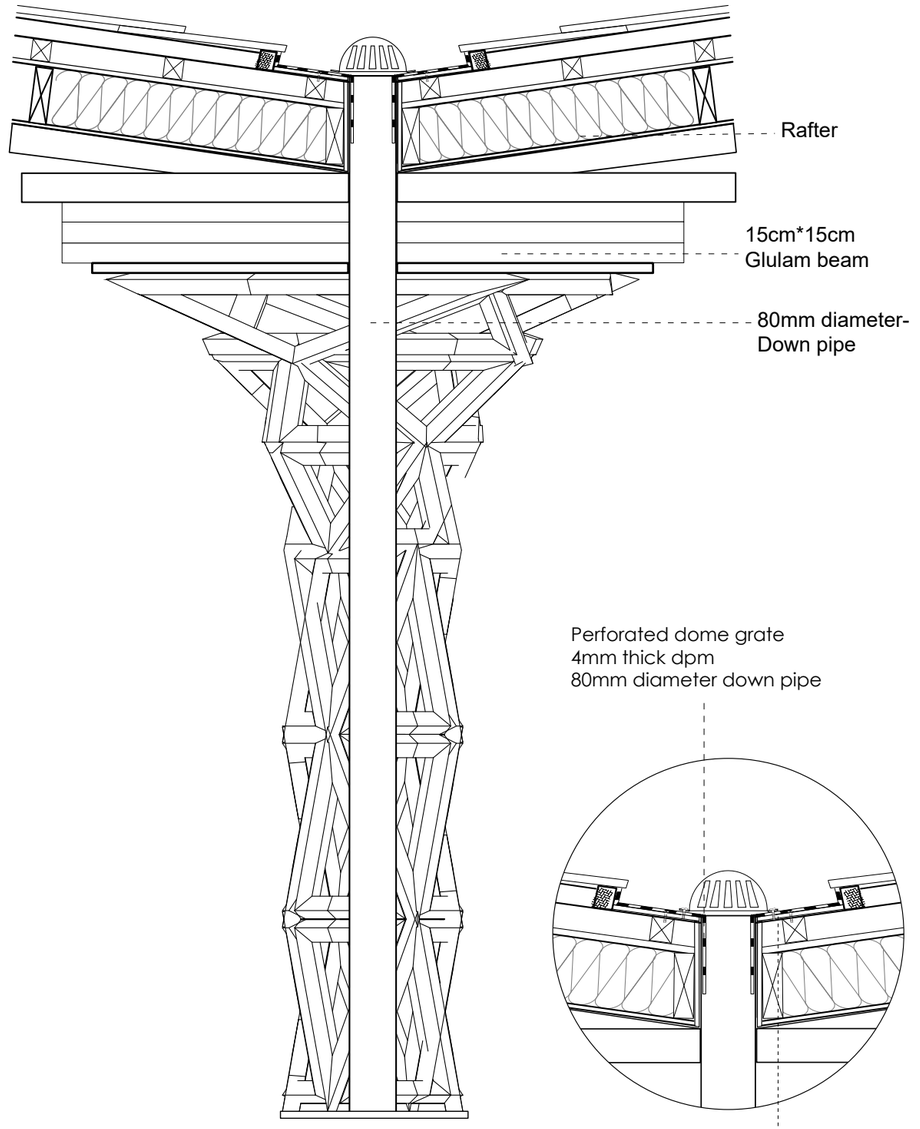
North elevation



East elevation

West elevation

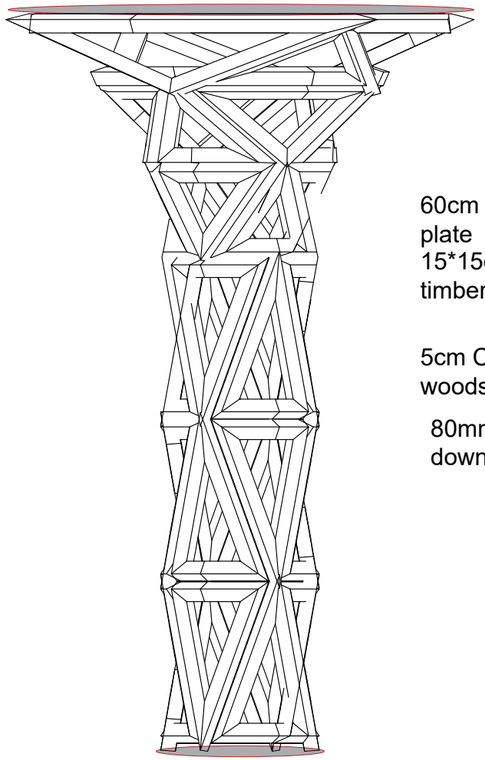
Roof to structure connection



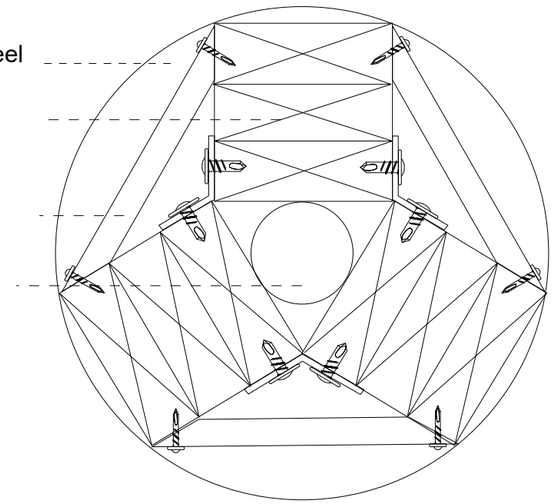
The structure mimics the shape of a vortex to emphasize the idea of circulation within it

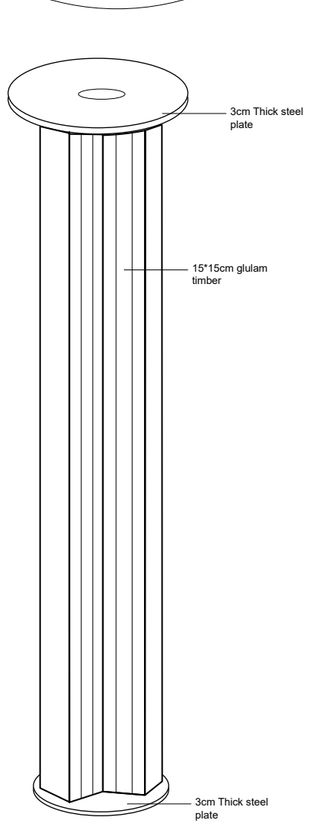
2cm thick Acetylated Wood Shingles
Horizontal battens(50*38mm)
plywood roof decking (25MM)
Rafter spacer(15*5CM)
Roof decking (25MM)
Rafter(50mm x 100mm)

Structure detail

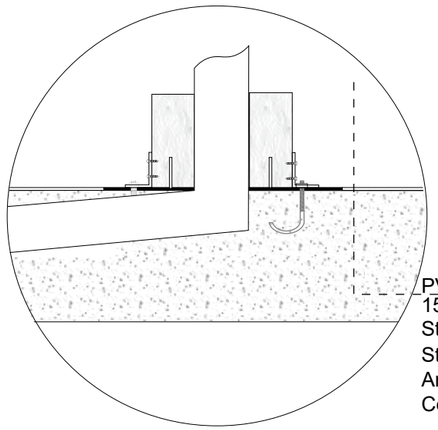


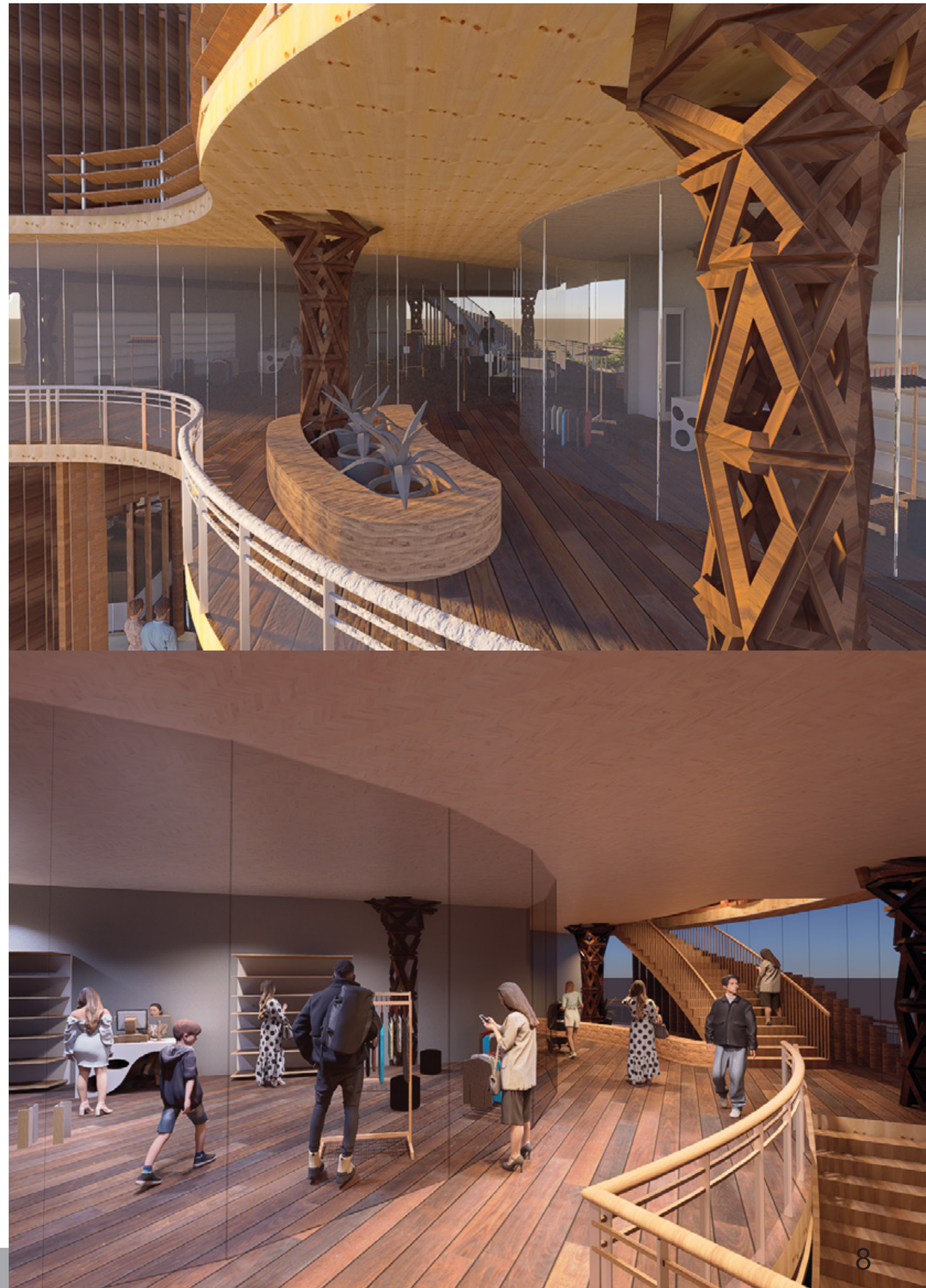
Plan





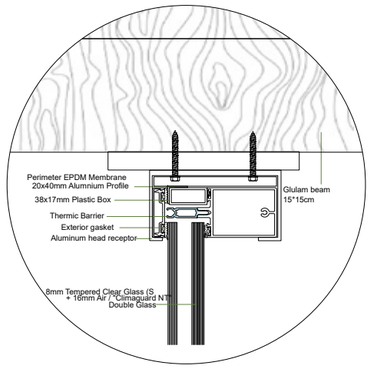
Basement drain detail



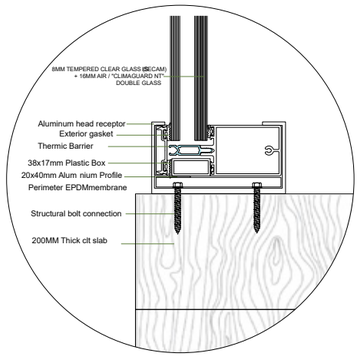


Curtain wall connection

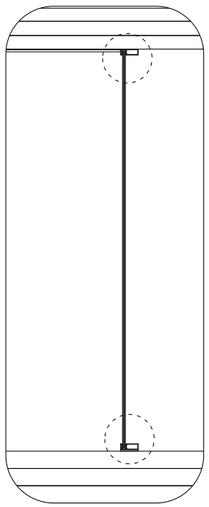
Curtain head to beam connection



Curtain base to clt floor connection

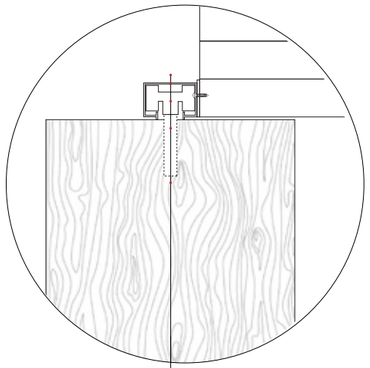


Elevation

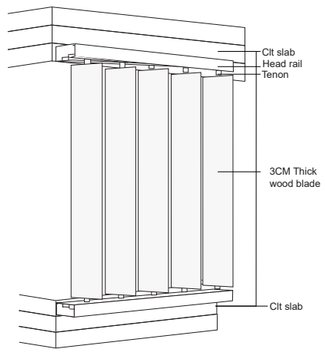


Facade connection

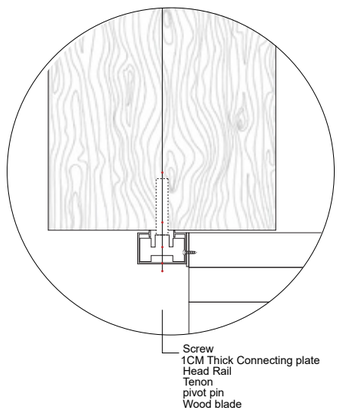
Ceiling Connection



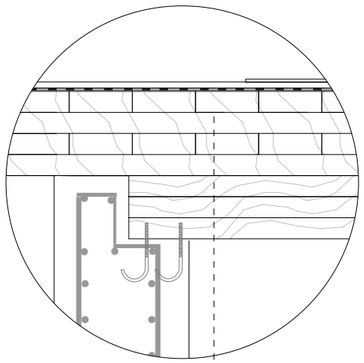
3d

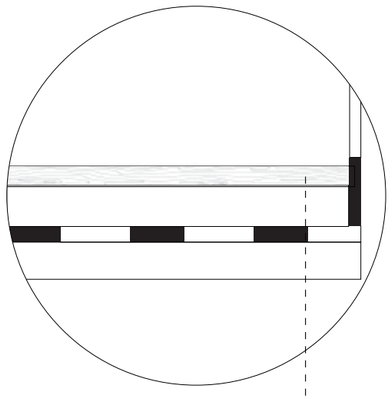


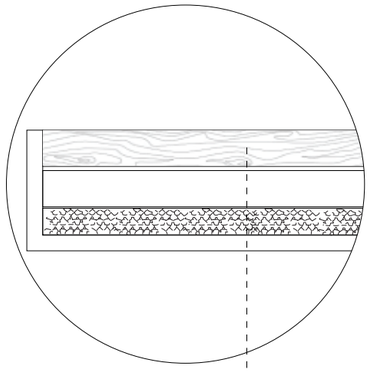
Floor to facade Connection



Finishing detail







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