

kara transit hub

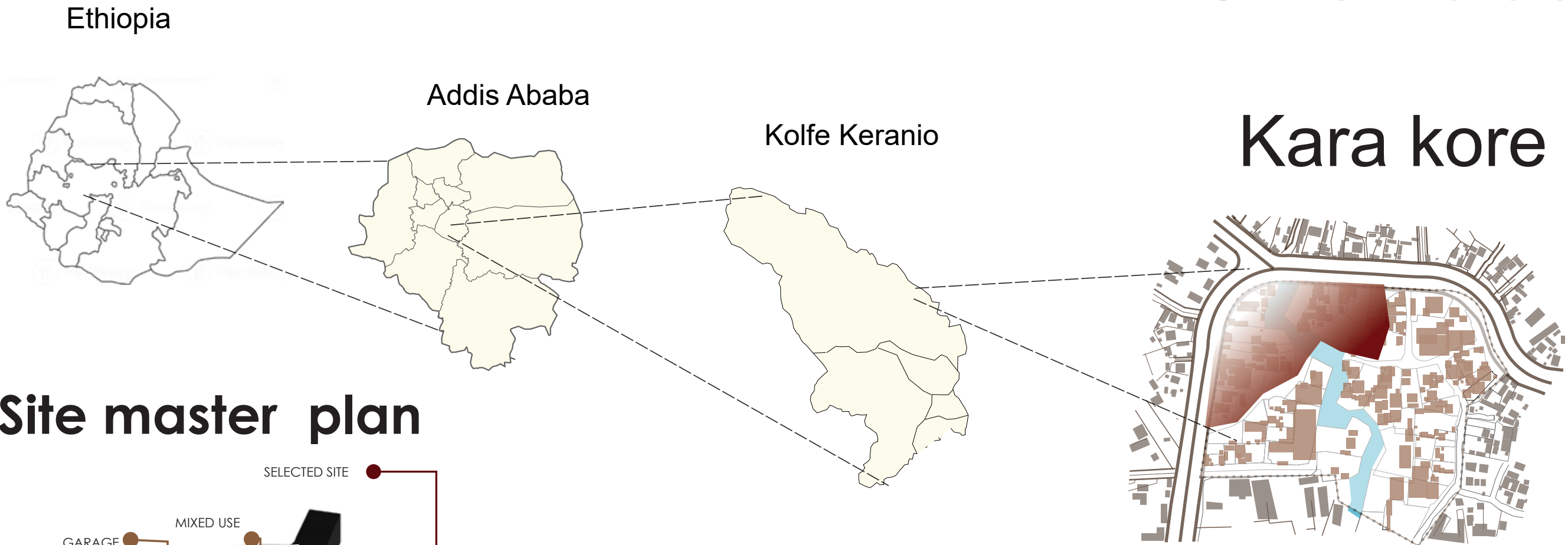




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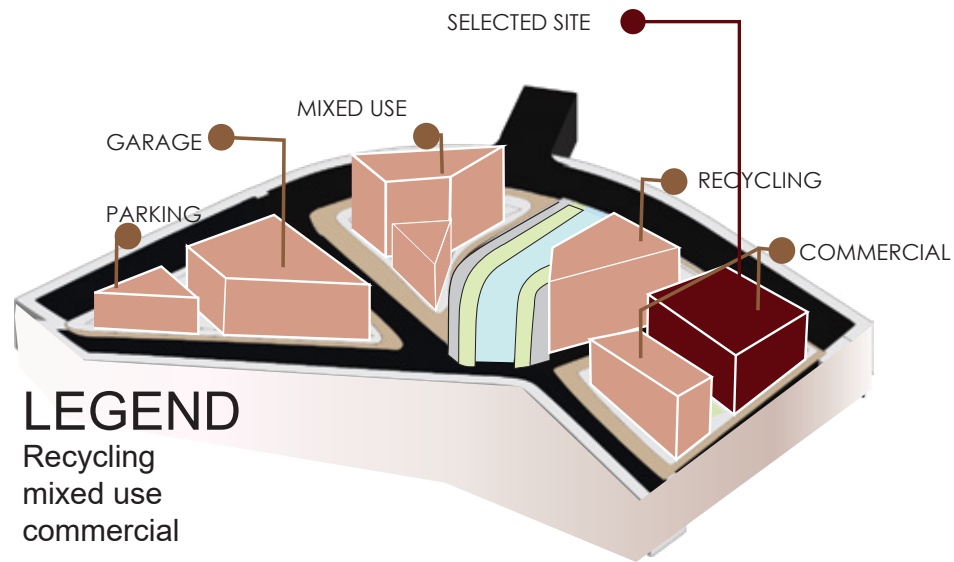
Site location



Kara kore site

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

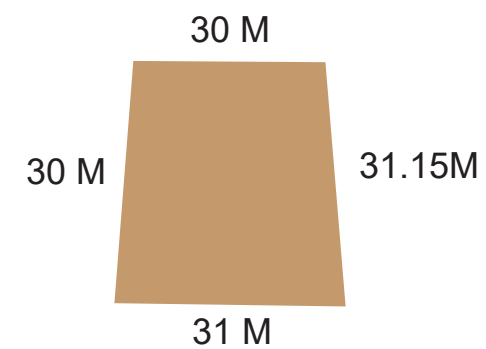
Site master plan



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

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

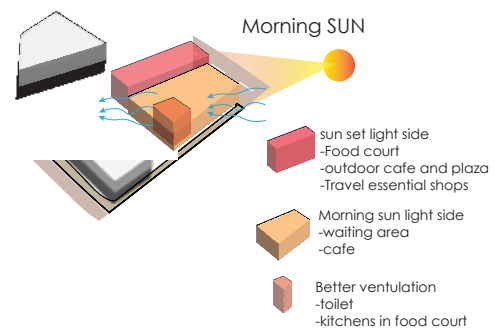
Site Area



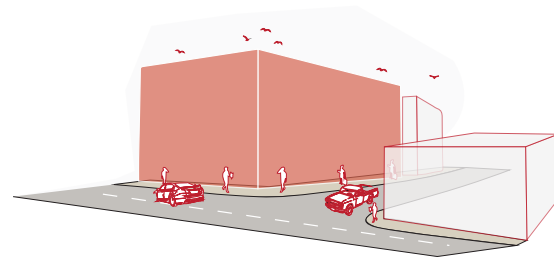
The total area will be=935 M²
 Perimeter= 120.15 M
 Hard scape =74%
 Soft scape=26%
 =691.9M²
 =243.1M²

Program relation to site

SUN SET Program arrangement relation to sun path and wind direction

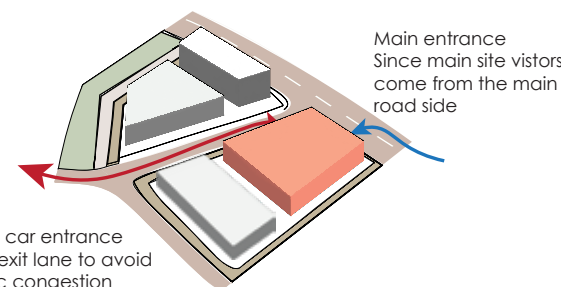


Main view point of the site



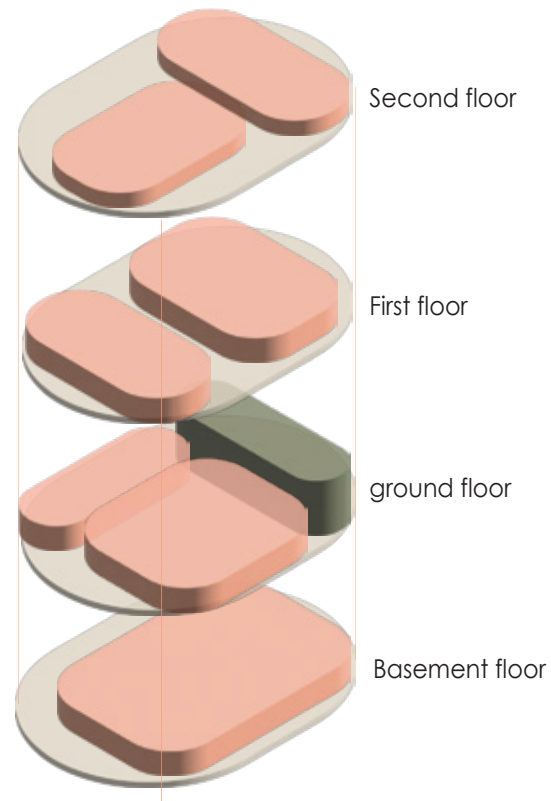
-To identify space through form
 -To maximize aesthetic view

Major entry points and car circulation points

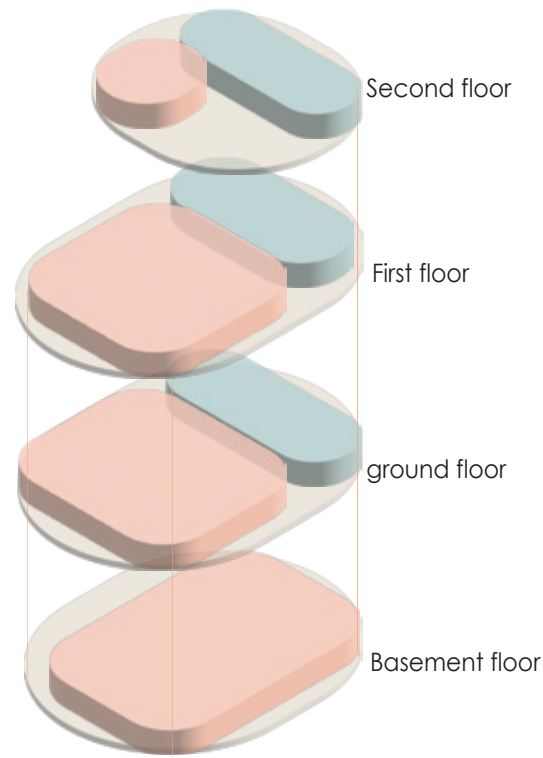


Program Zoning

Public vs private zoning



Noise zoning



CONCEPT: Breathing Nexus

means to create a central point of a connection where environments, peoples flow throughout the space and connecting environments to resemble the human breathing.

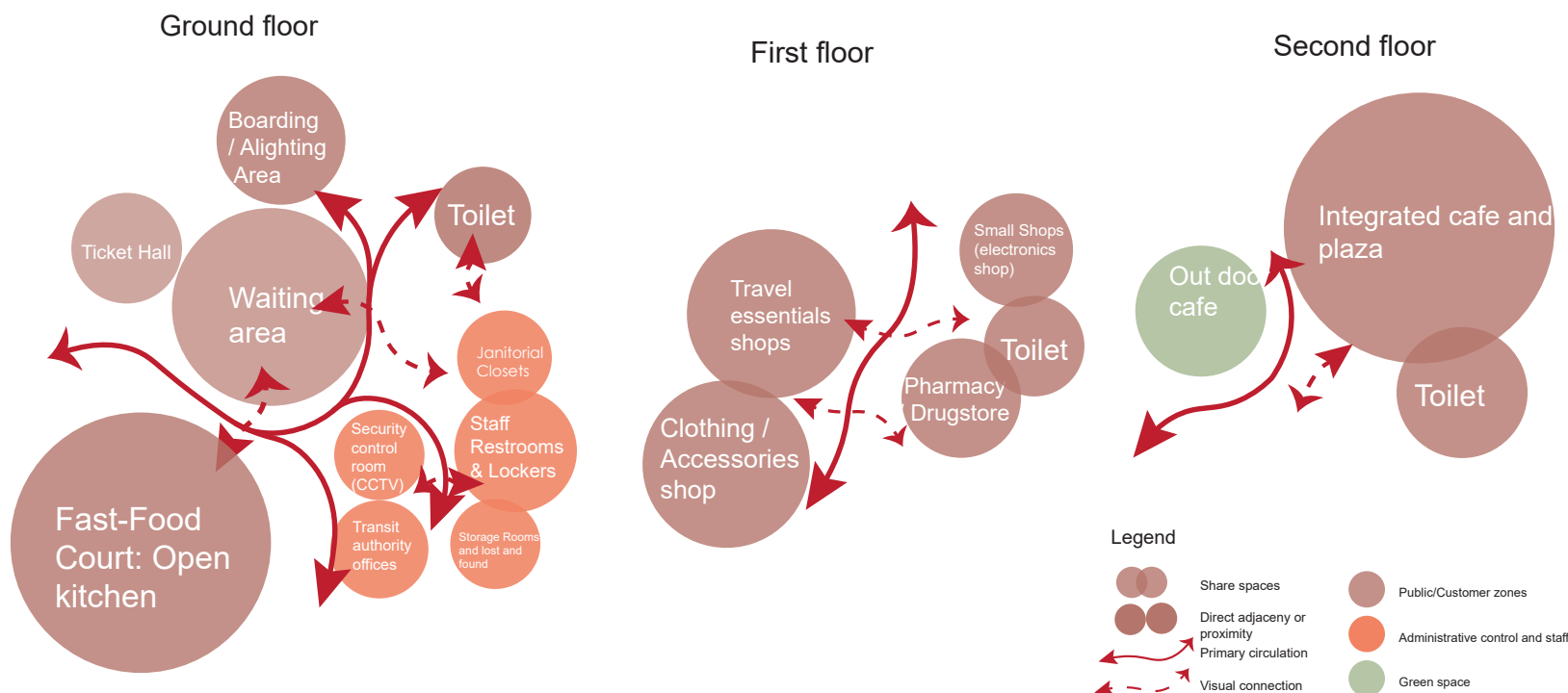
Abstraction or Spatial interpretation

1. Multiple environment
2. Figure ground relation between space and circulation
3. Transparency

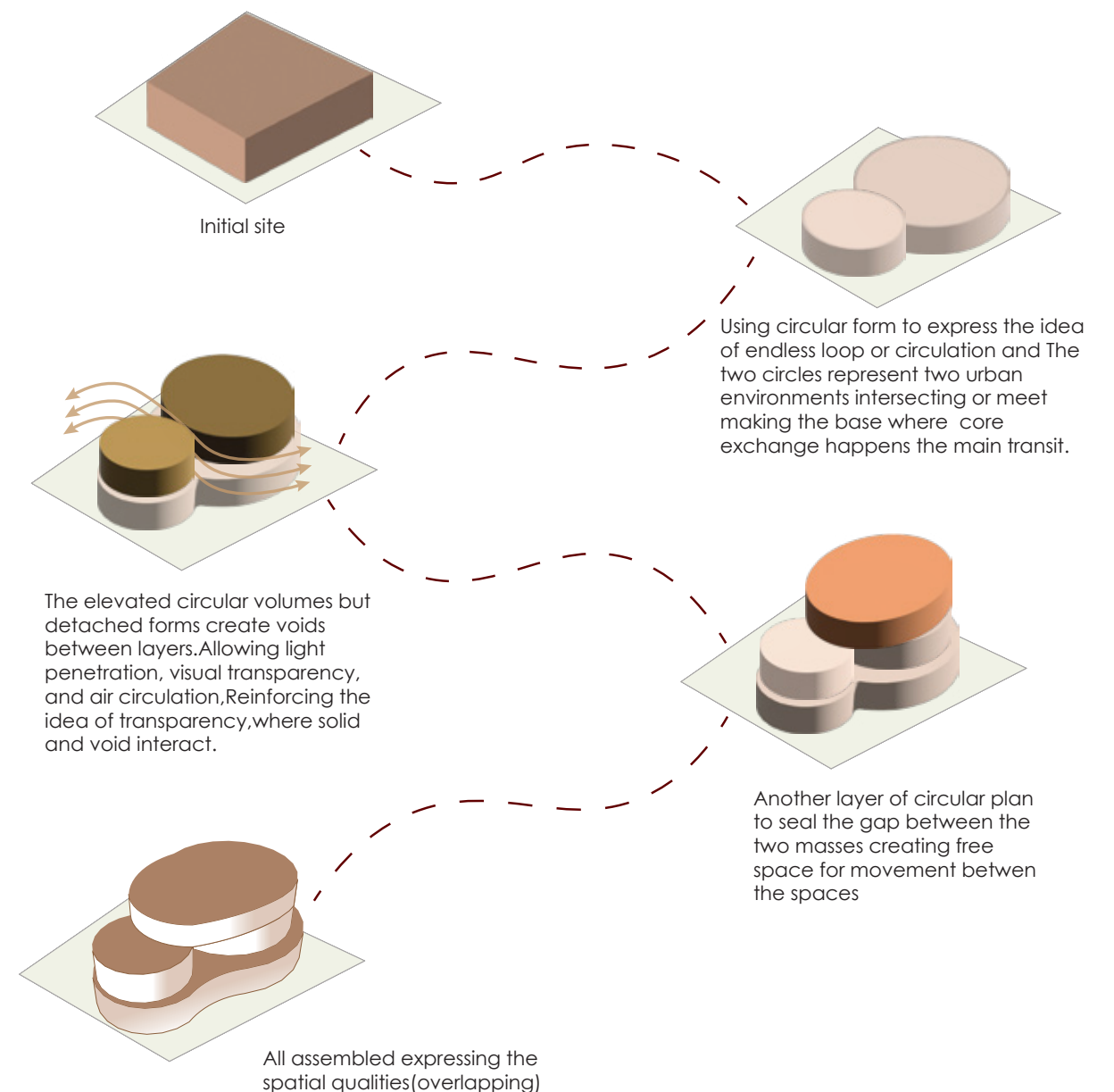
Main parts of the building to intervene with

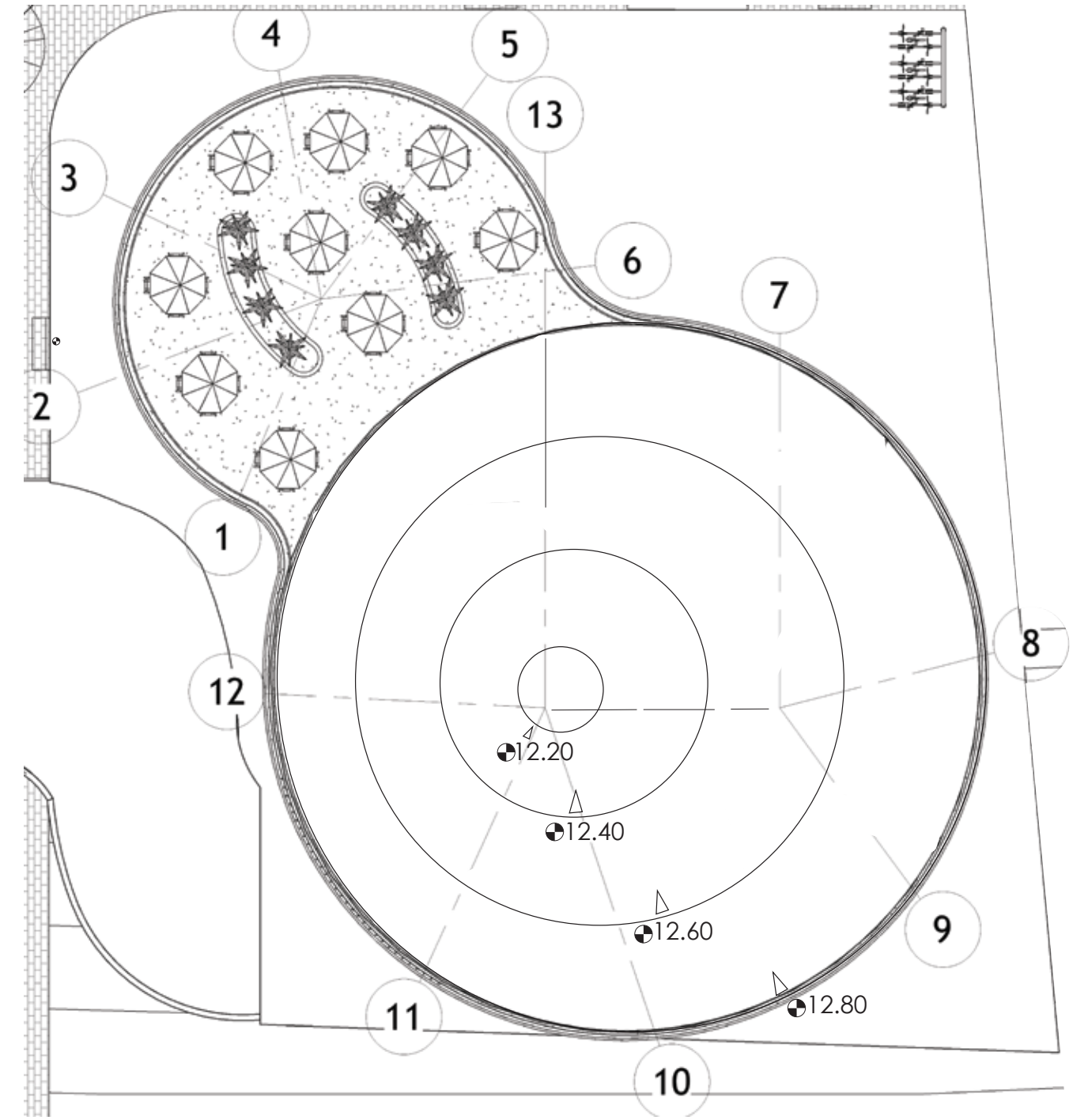
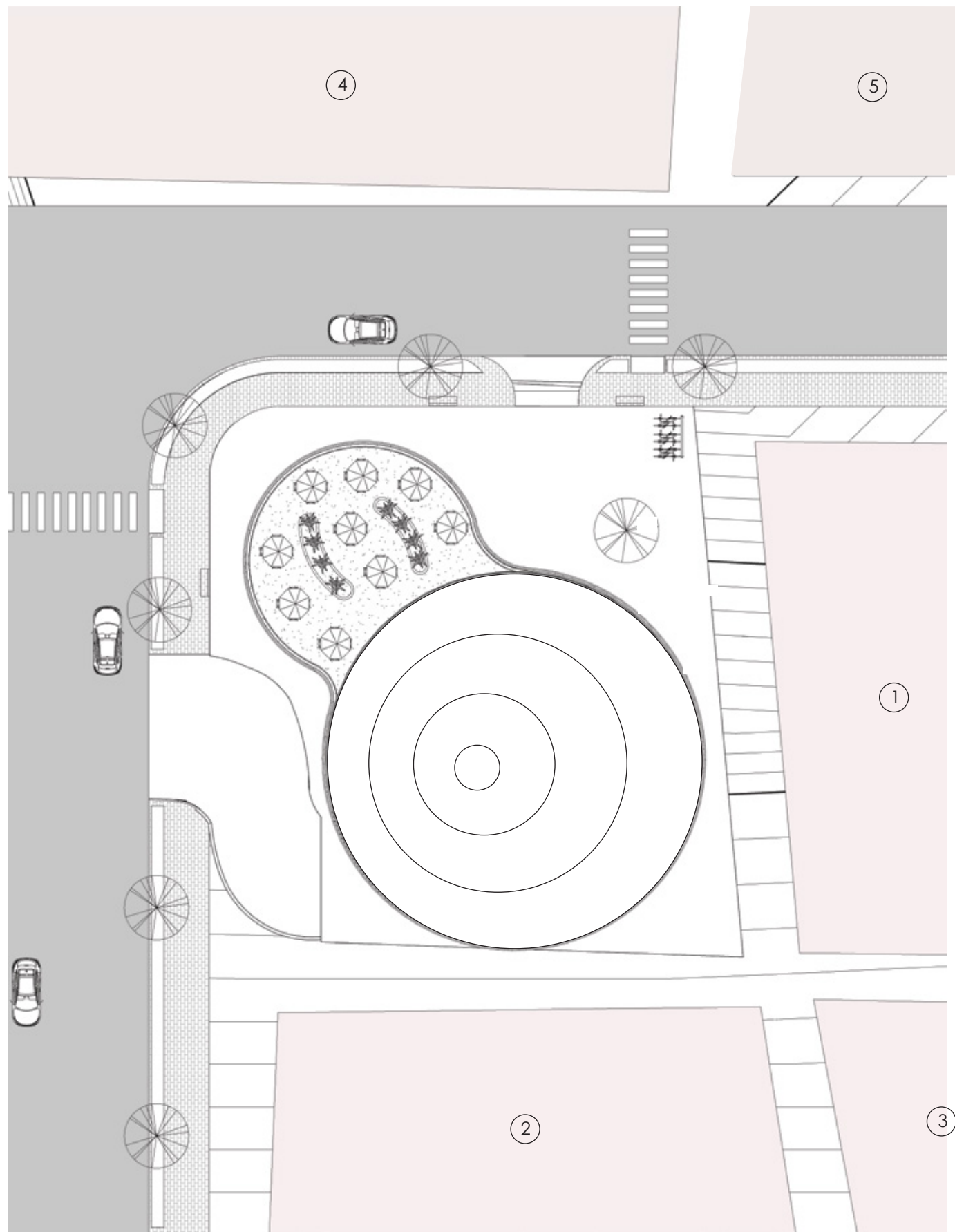
1. Facade
2. Wall
3. Structure (resembling the shape of a vortex to express circulation)

Bubble diagram



Form development

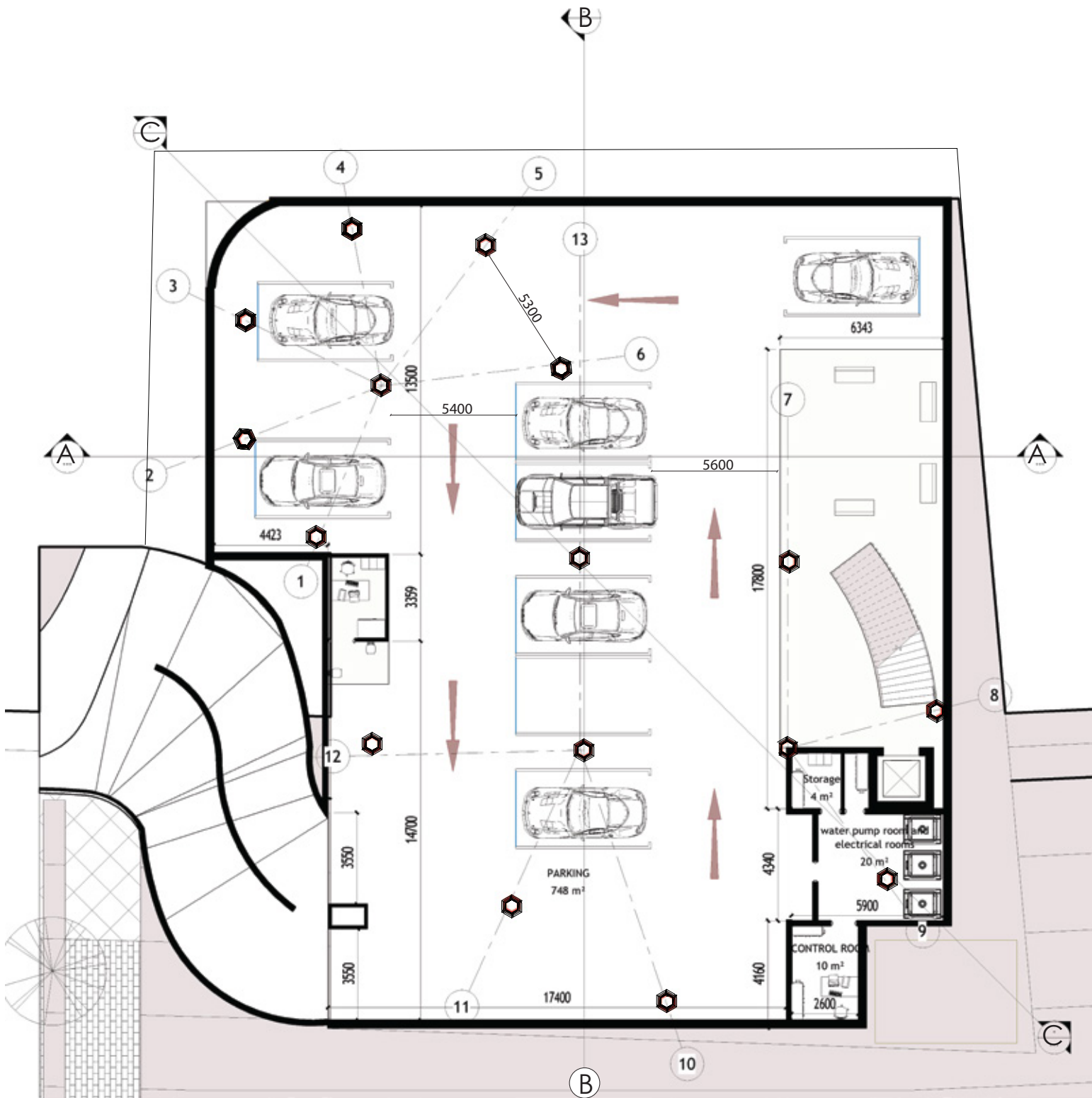




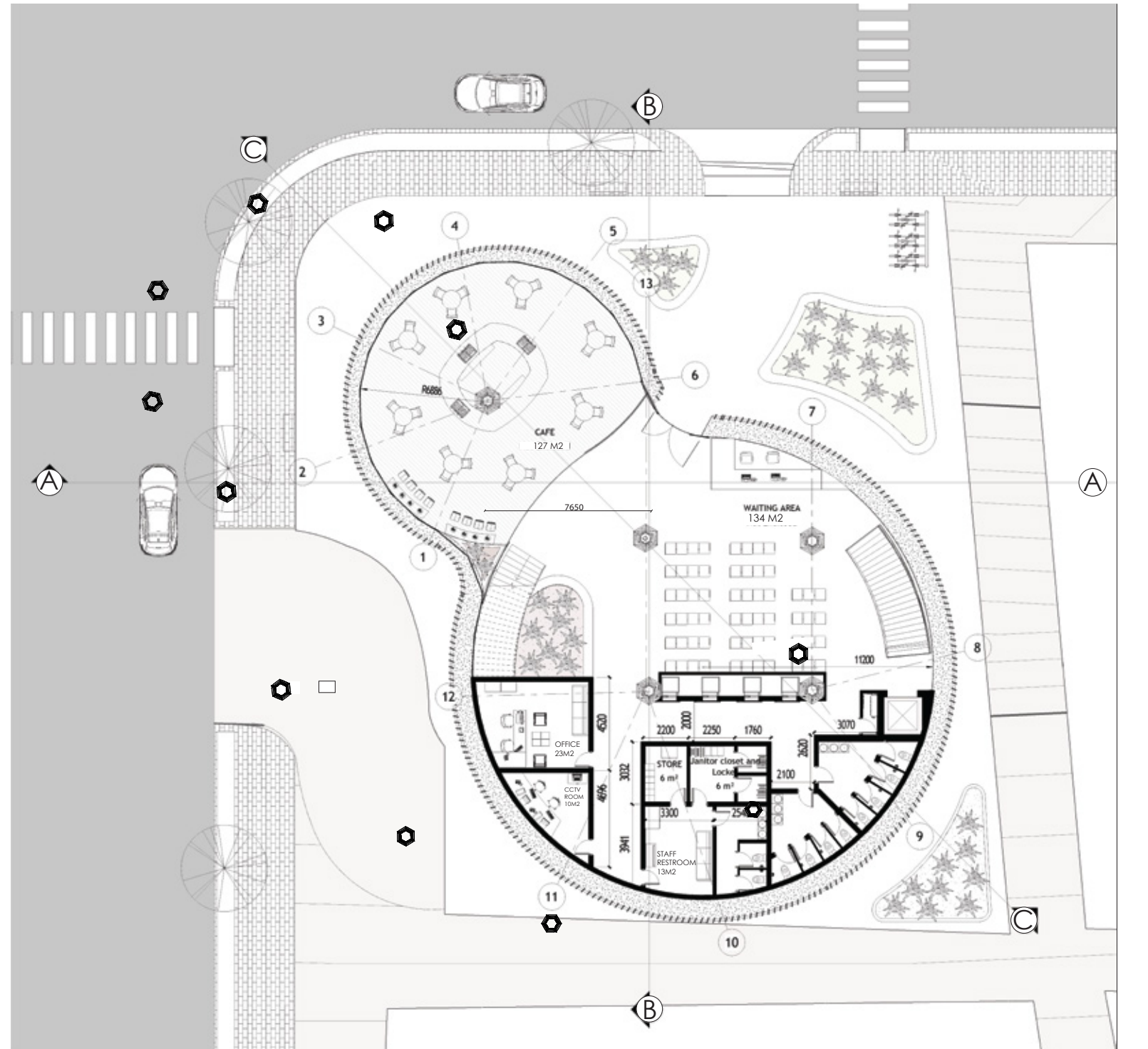
- Legend
 1.Commercial
 2.Commercial
 3.Recycling
 4.Commercial
 5.Commercial

Site plan

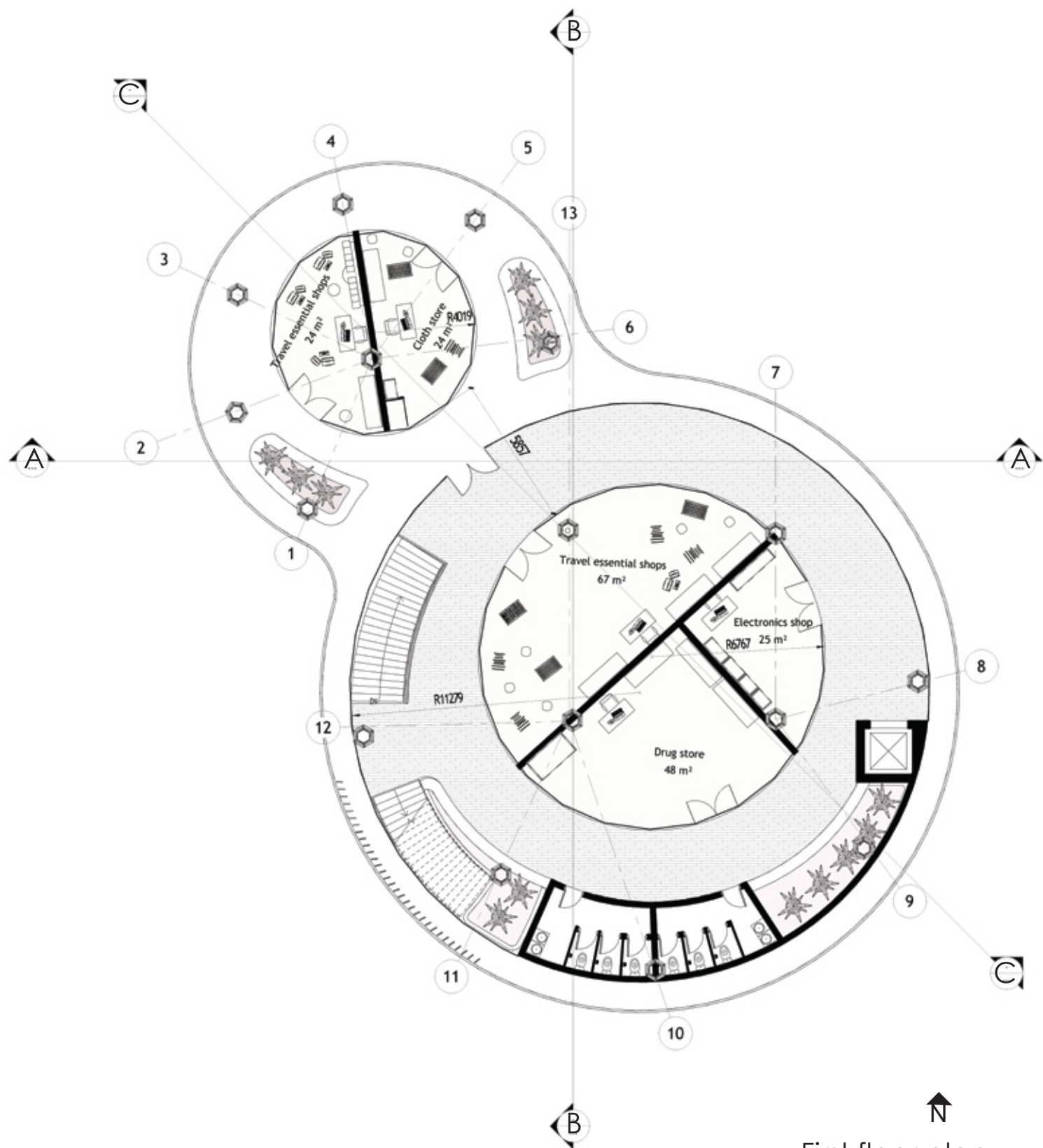
Roof plan



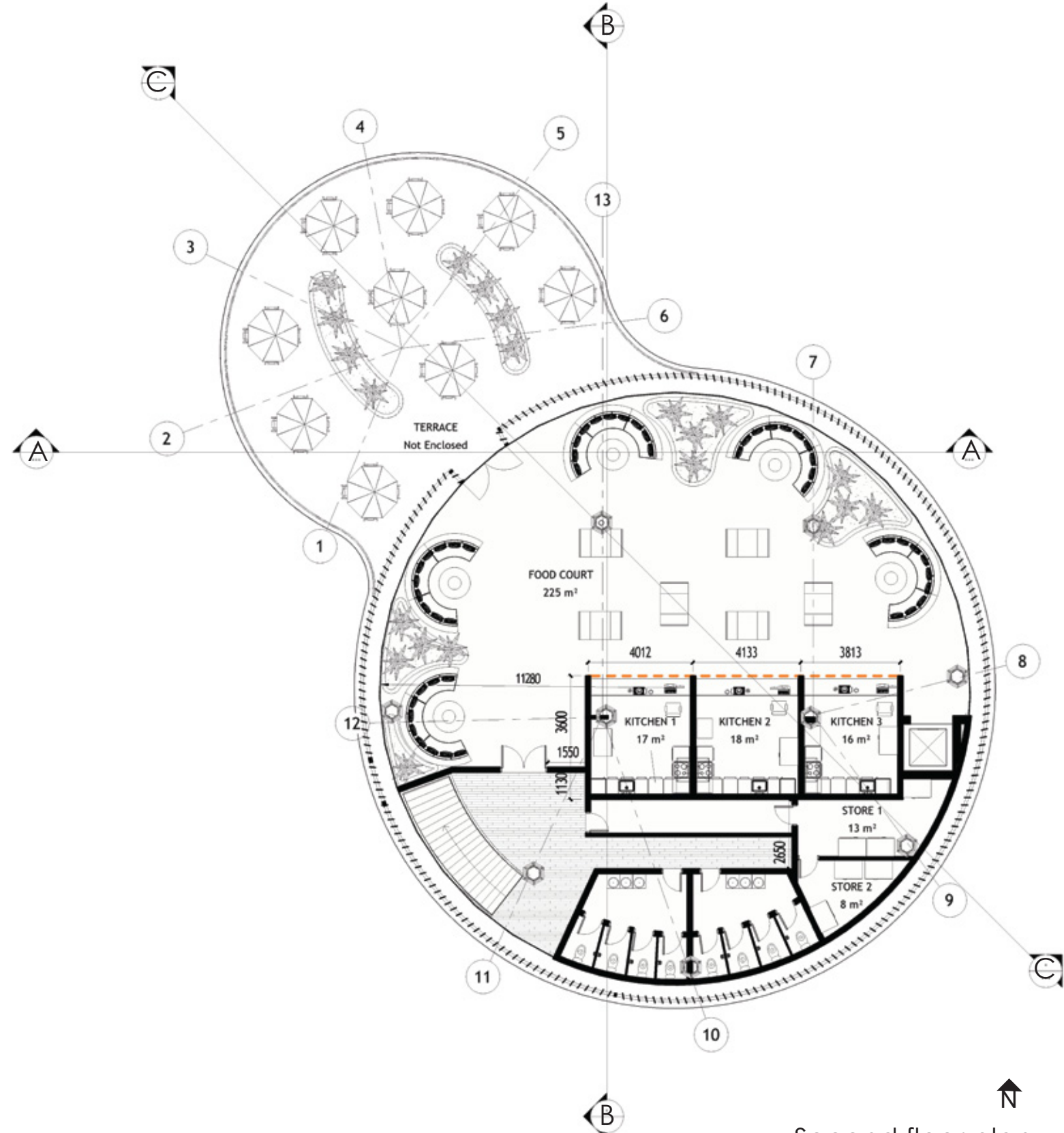
Basement plan



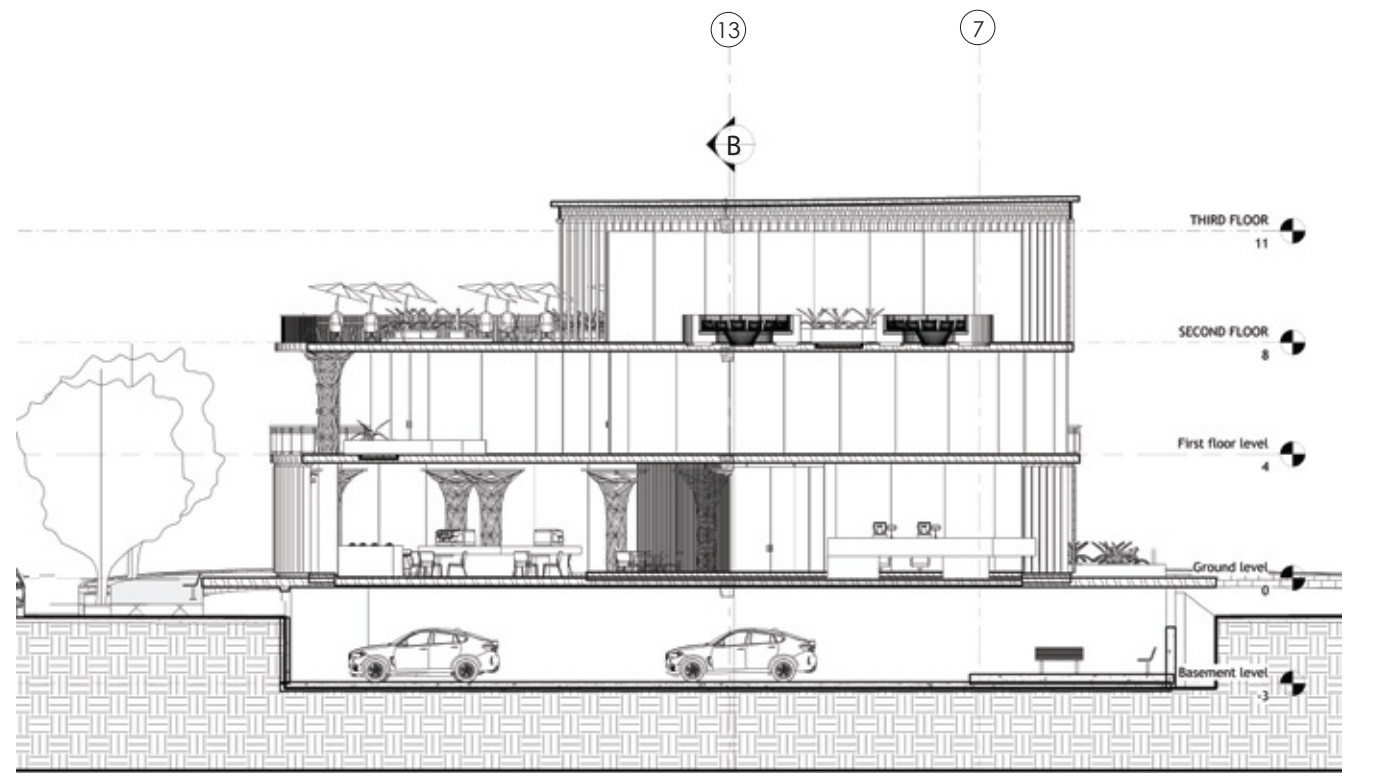
Ground floor plan



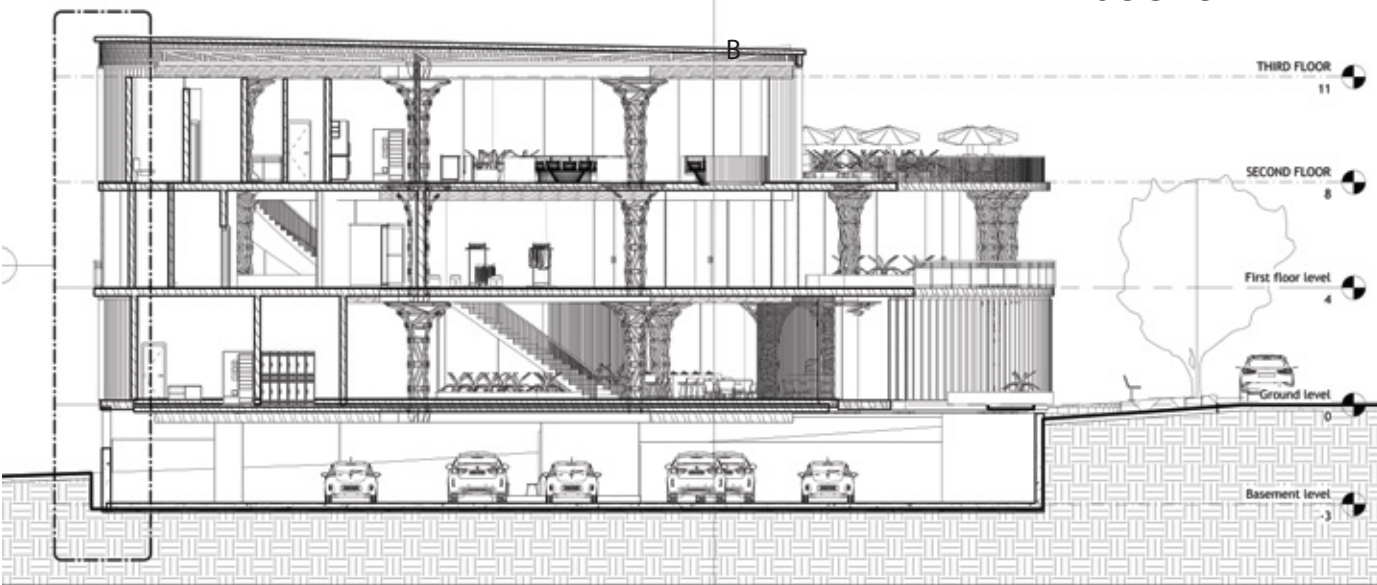
First floor plan



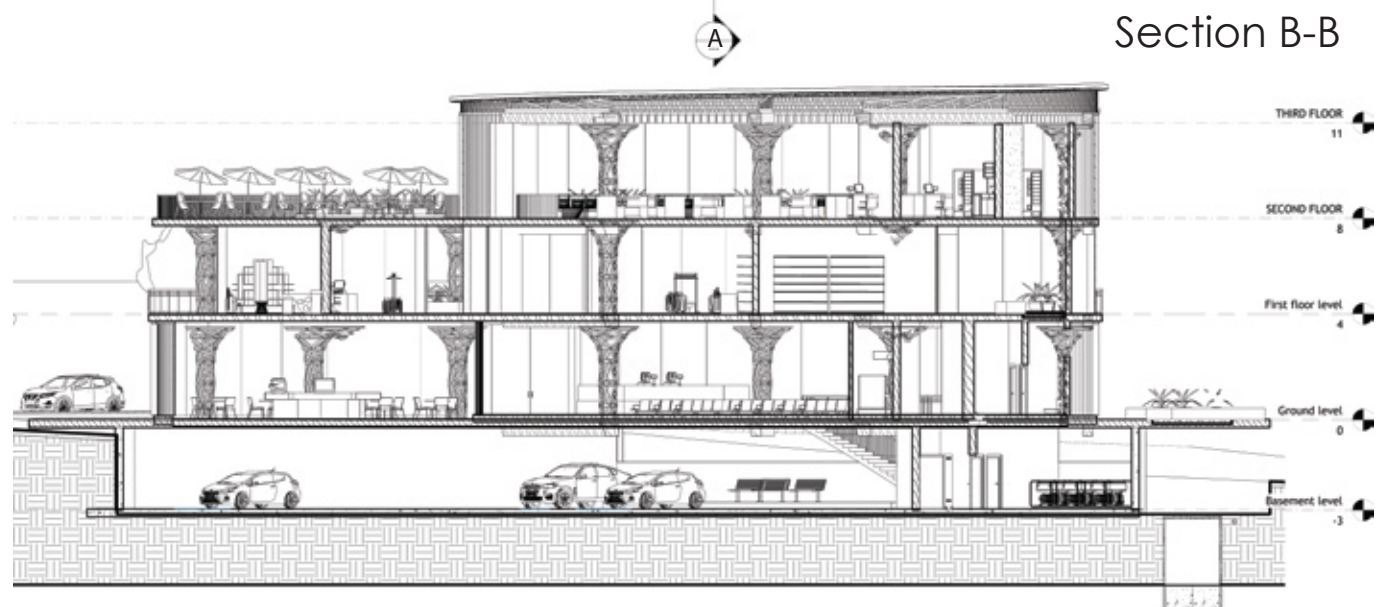
Second floor plan



Section A-A

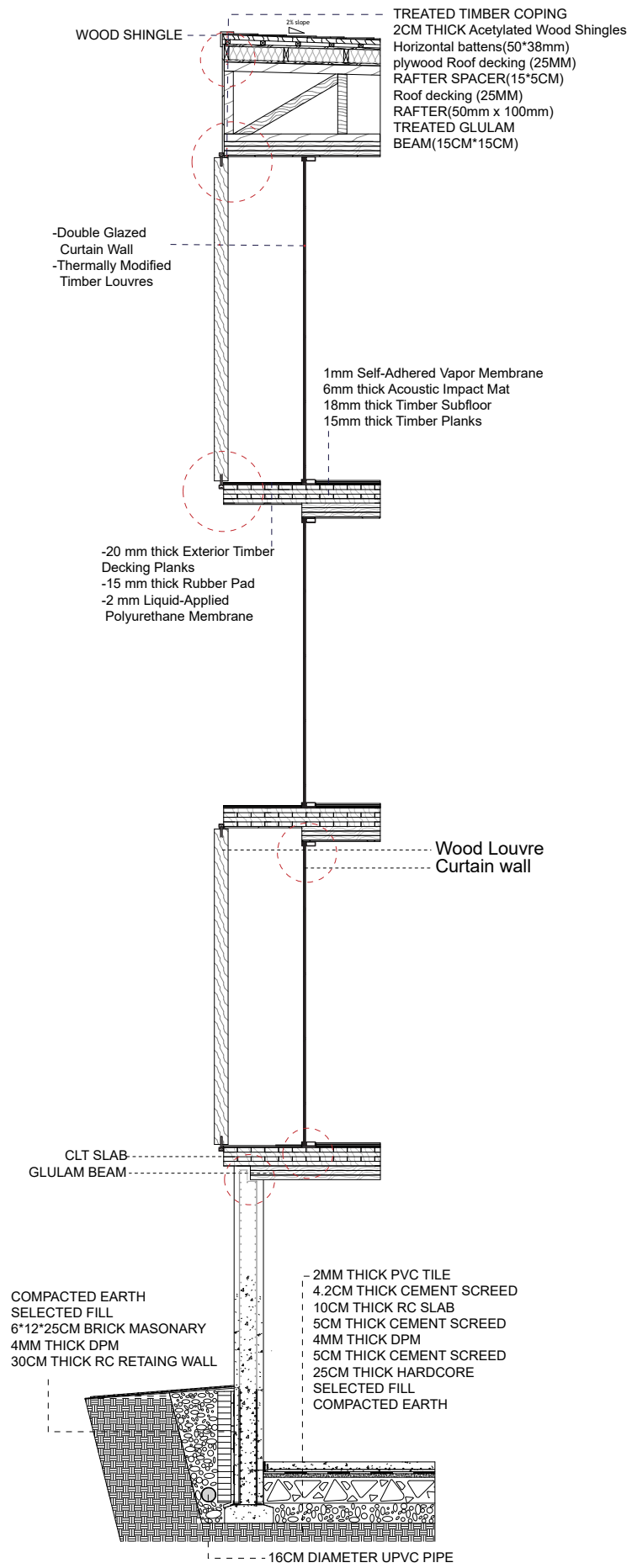


Section B-B



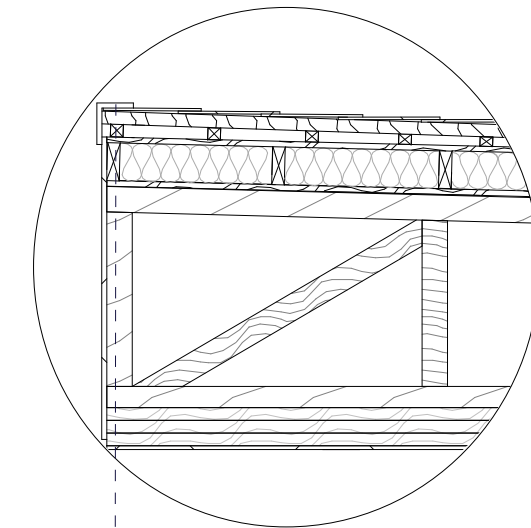
Section C-C

Facade section

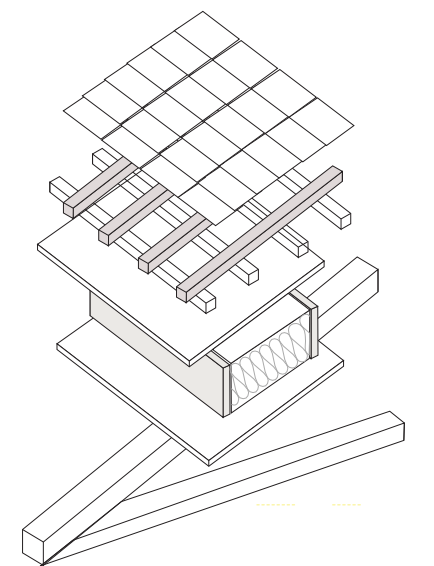


Roof system detail

Truss system

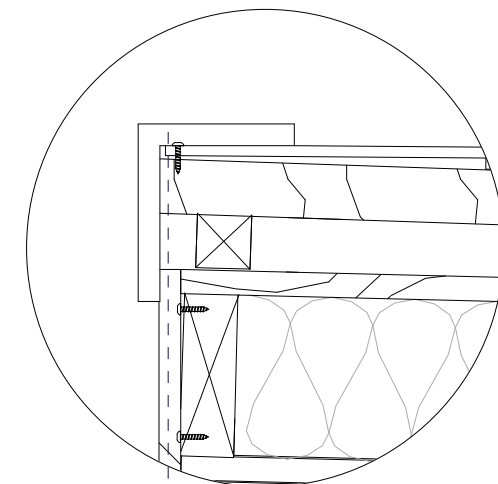


Exploded roof



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

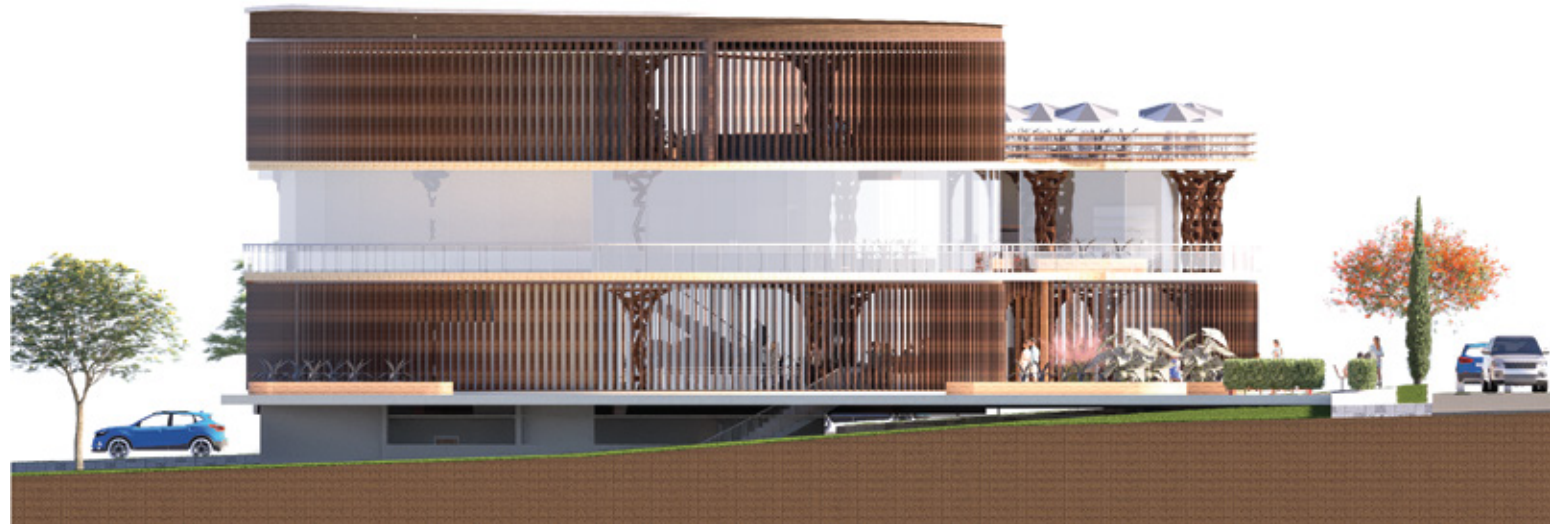
ROOF COPING



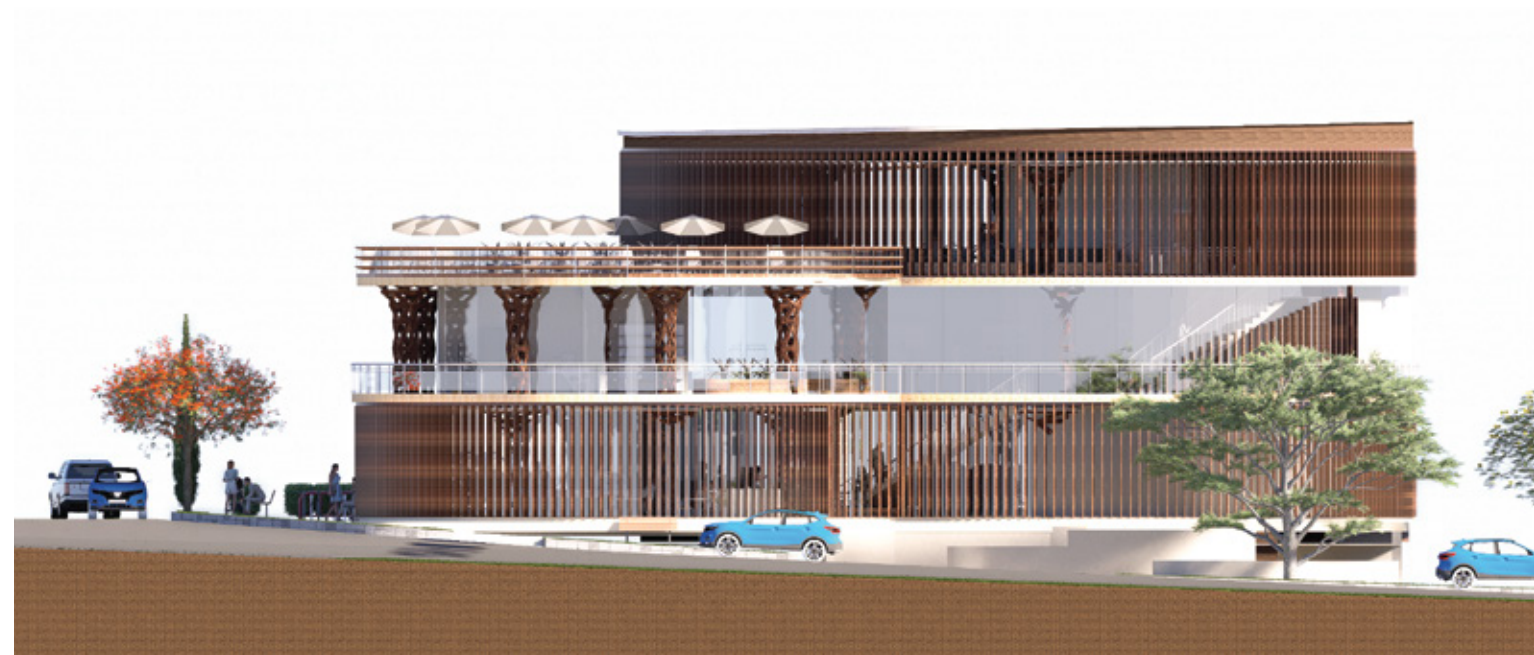
Treated timber coping
2cm Thick Acetylated Wood Shingles
Horizontal battens(50*38mm)
plywood Roof decking (25mm)
Plywood cover



North elevation

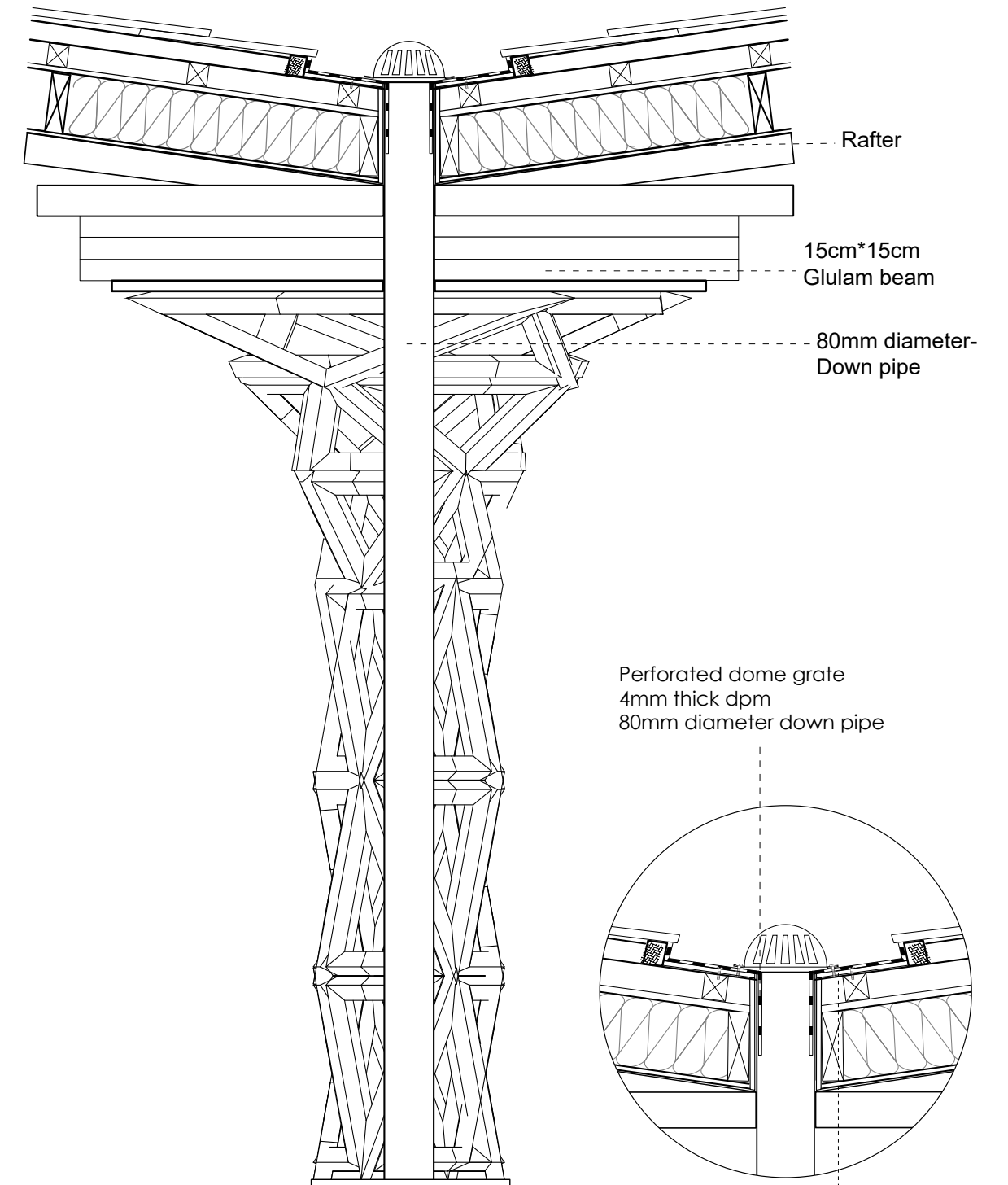


East elevation



West elevation

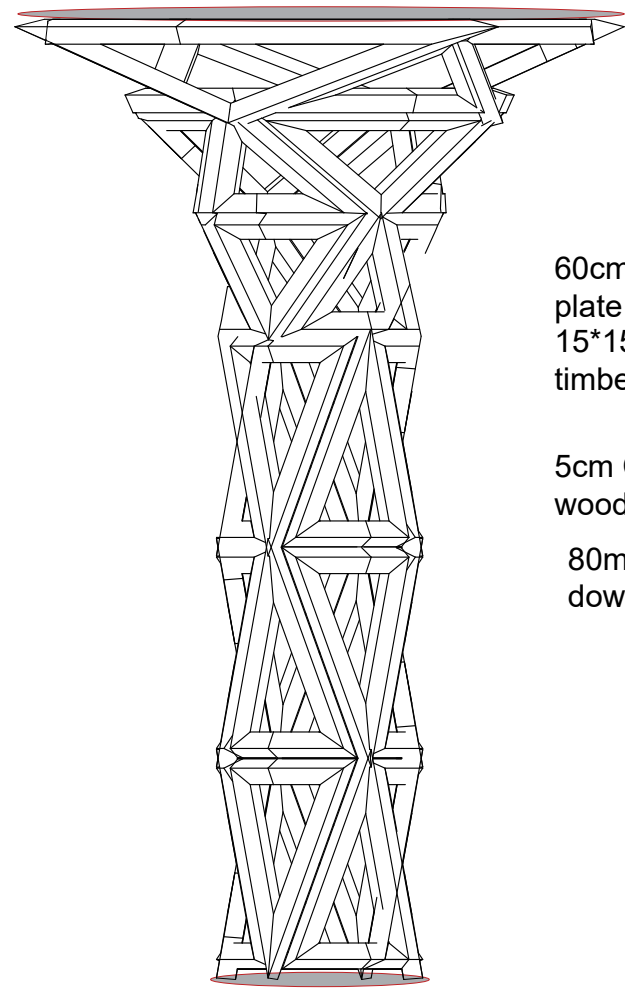
Roof to structure connection



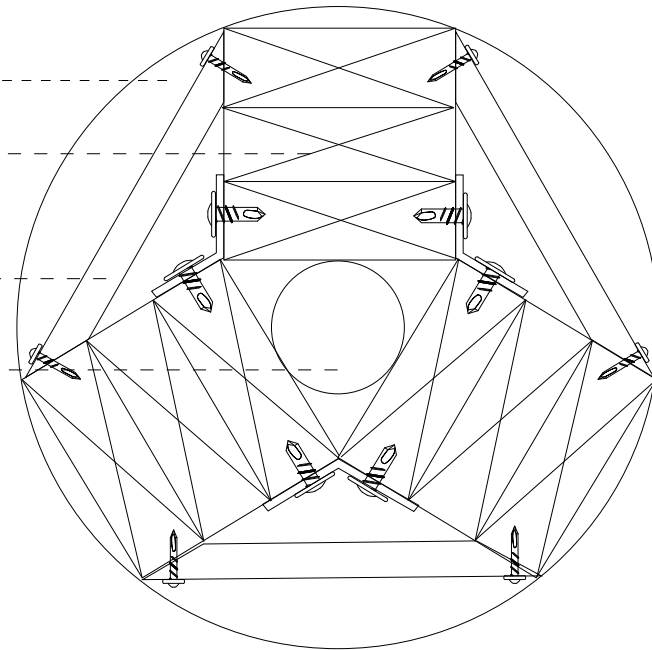
The structure mimics the shape of a vortex to emphasize the idea of circulation within it

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

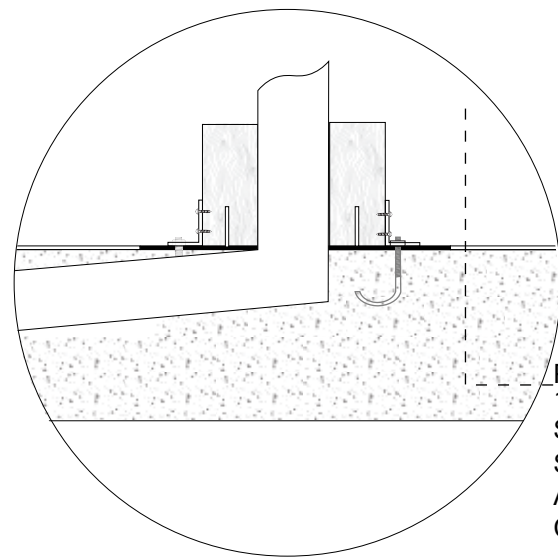


60cm diameter steel plate
15*15cm Glulam timber

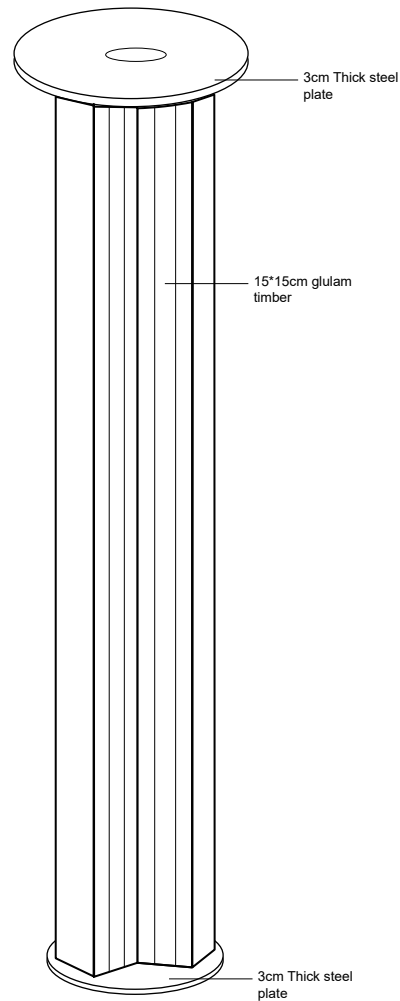
5cm Connecting woods

80mm diameter down pipe

Basement drain detail



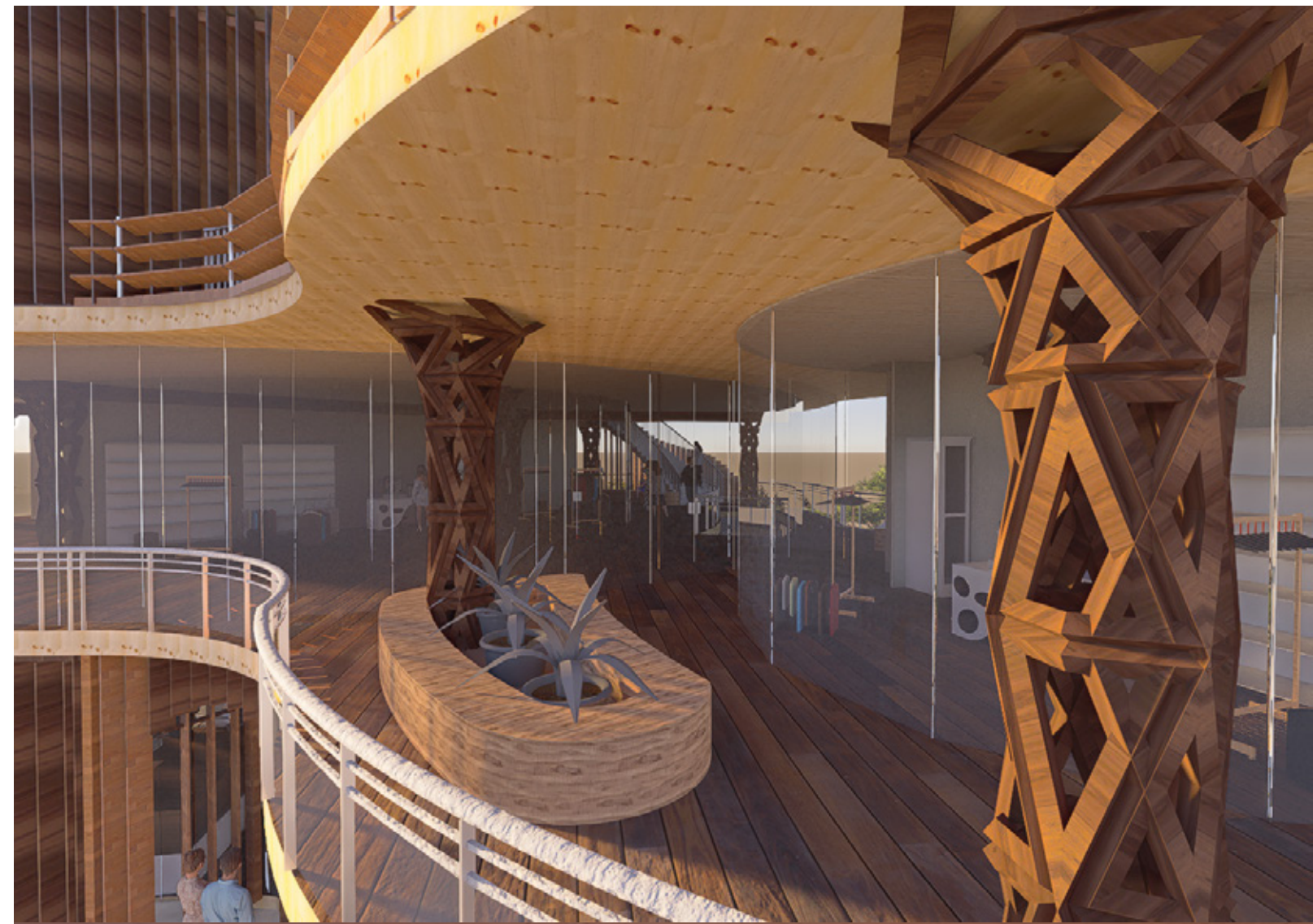
PVC Pipe drain
15*15CM Glulam timber
Steel bracing
Steel plate
Anchor J bolt
Concrete slab



3cm Thick steel plate

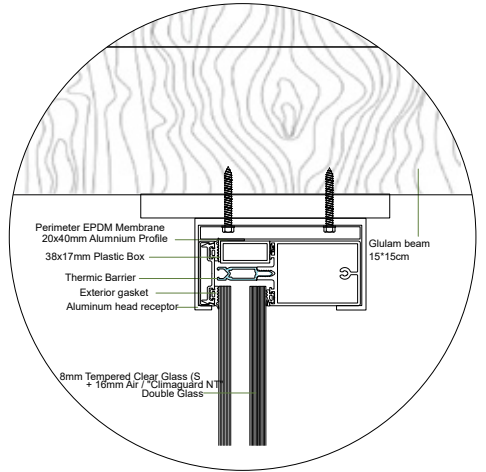
15*15cm glulam timber

3cm Thick steel plate

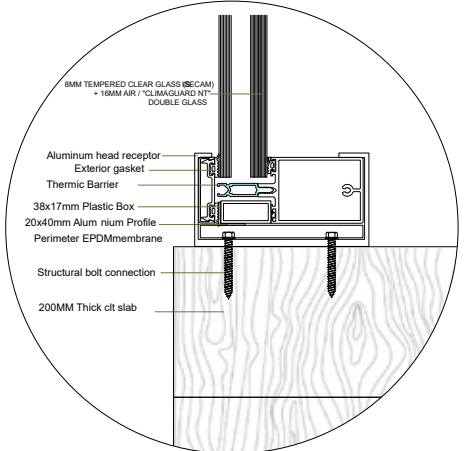


Curtain wall connection

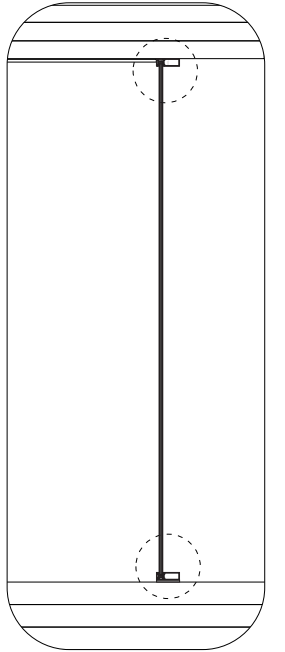
Curtain head to beam connection



Curtain base to c/l floor connection

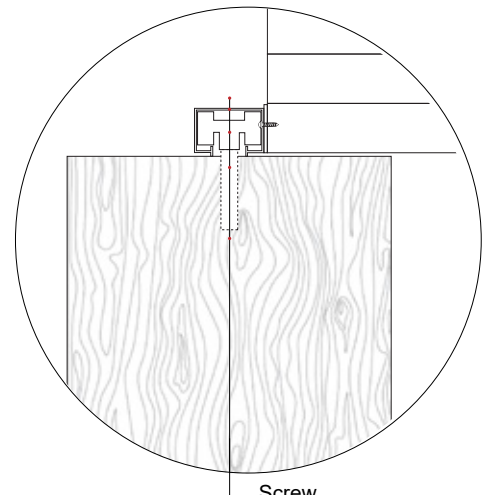


Elevation



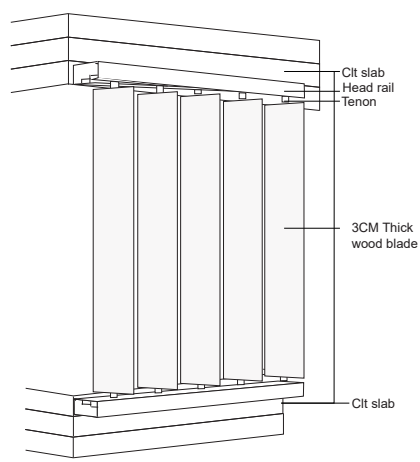
Facade connection

Ceiling Connection

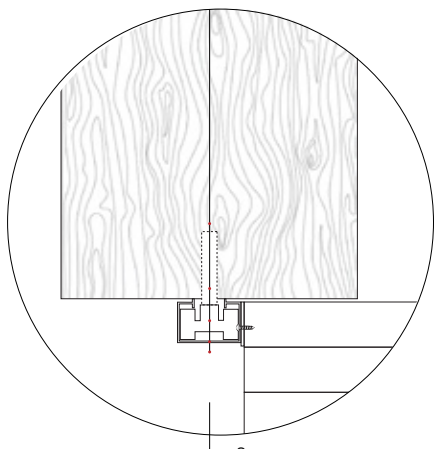


Screw
1cm Thick Connecting plate
Head Rail
Tenon
pivot pin
Wood Blade

3d

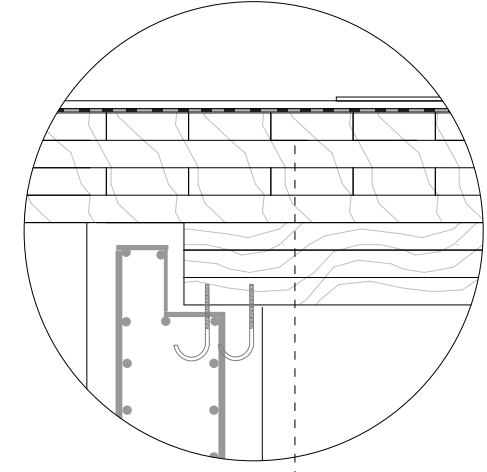


Floor to facade Connection

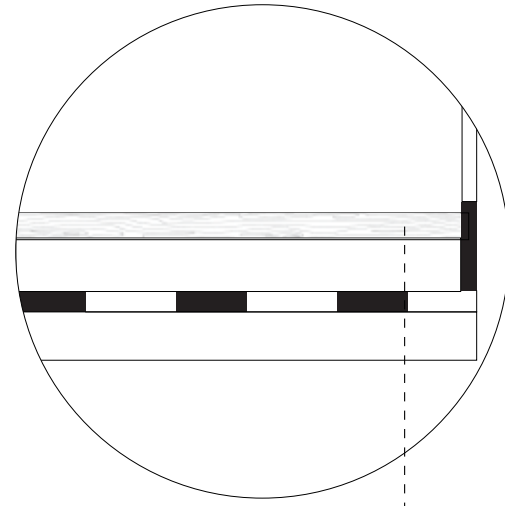


Screw
1CM Thick Connecting plate
Head Rail
Tenon
pivot pin
Wood blade

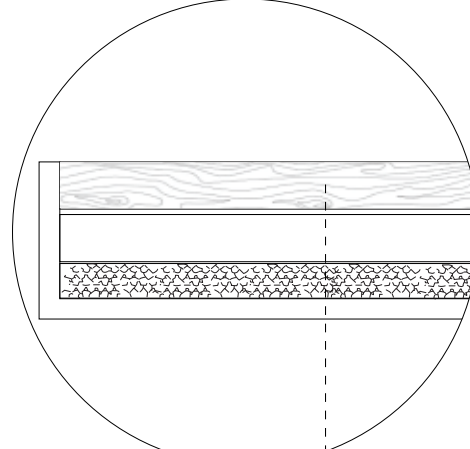
Finishing detail



RC concrete retaining wall
Cast in J anchor bolt
Glulam beam
C/l slab



20 mm thick Exterior Timber Decking Planks
15 mm thick Rubber Pad
2 mm Liquid-Applied Polyurethane Membrane



1mm Self-Adhered Vapor Membrane
6mm thick Acoustic Impact Mat
18mm thick Timber Subfloor
15mm thick Timber Planks

