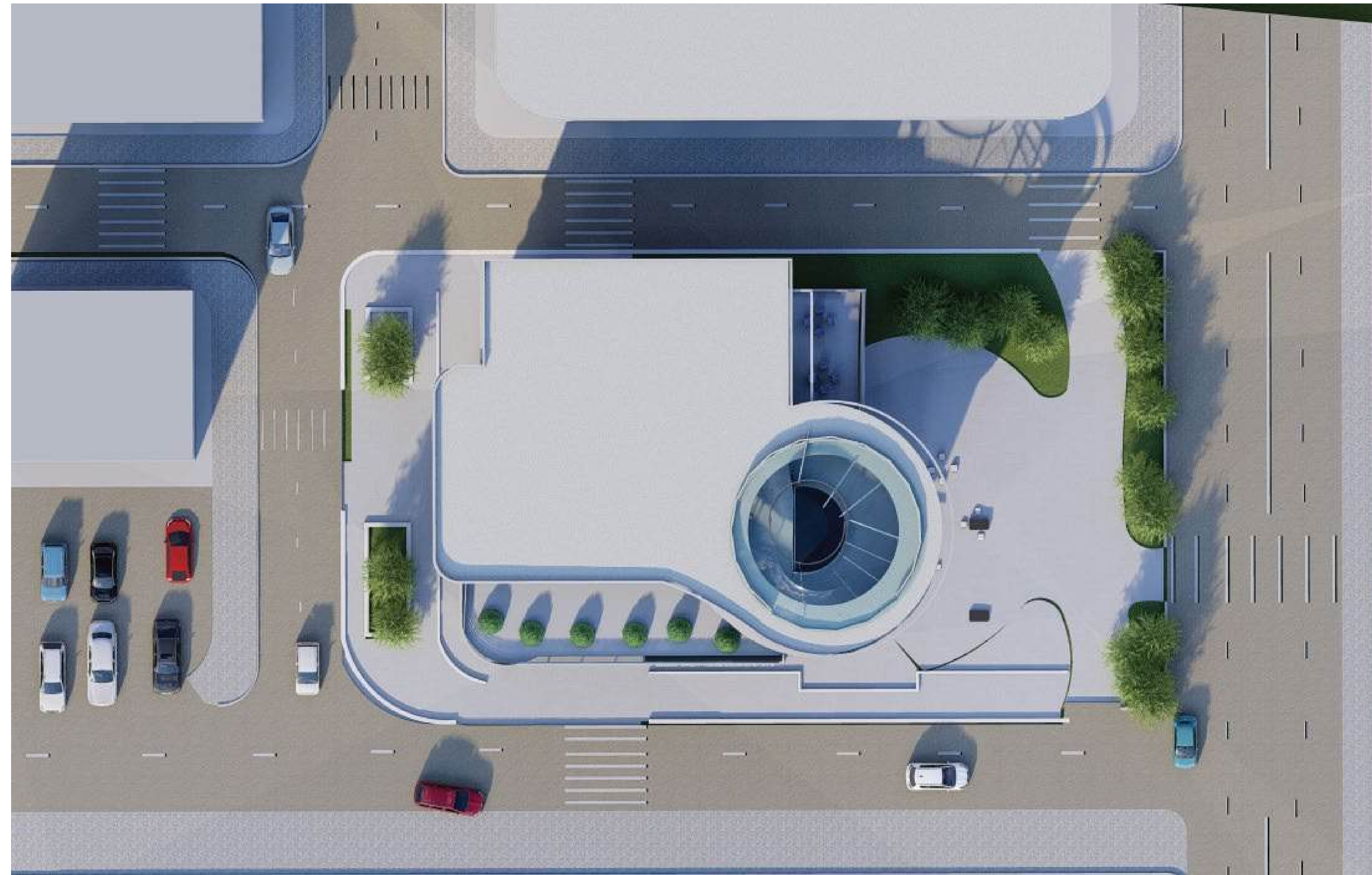


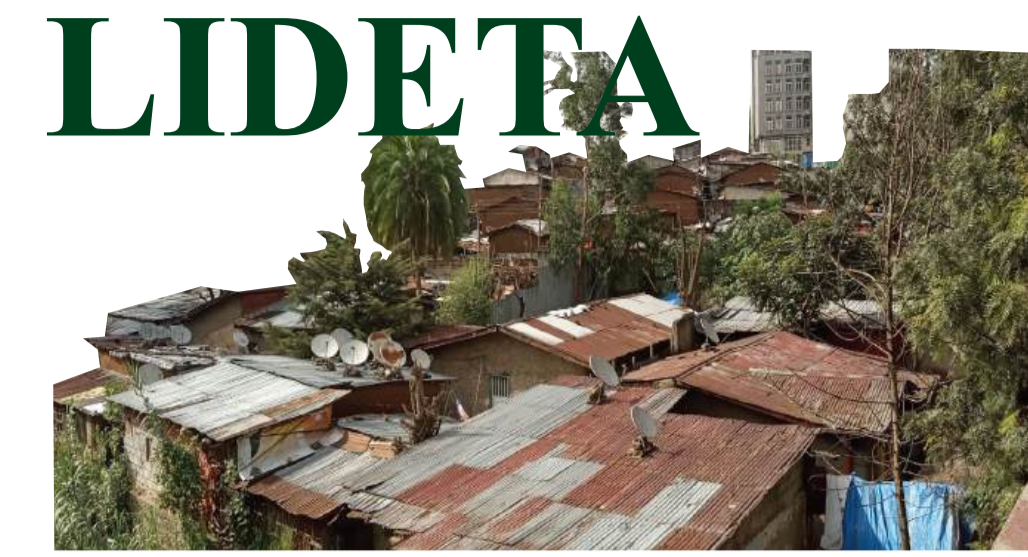
THE CONTEMPORARY MUSEUM OF ART



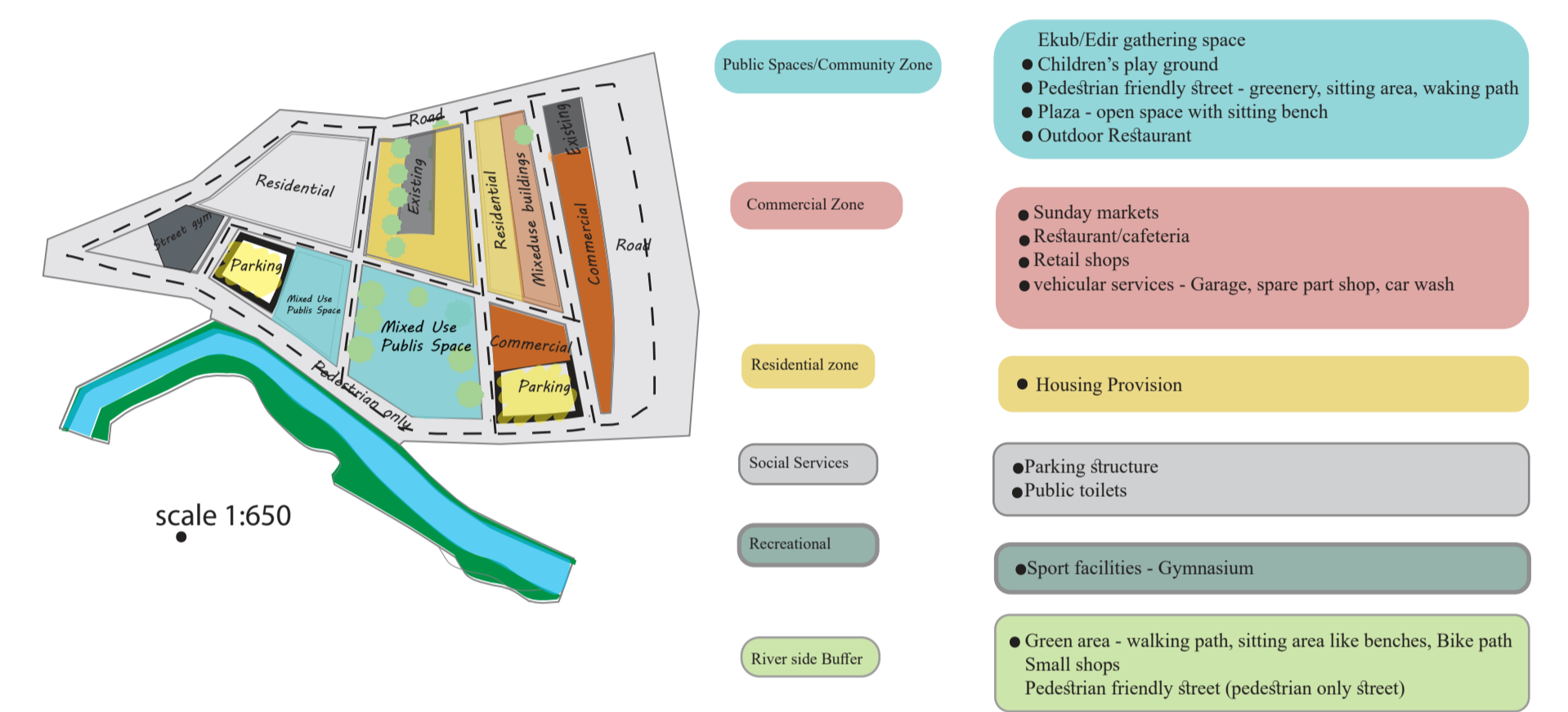
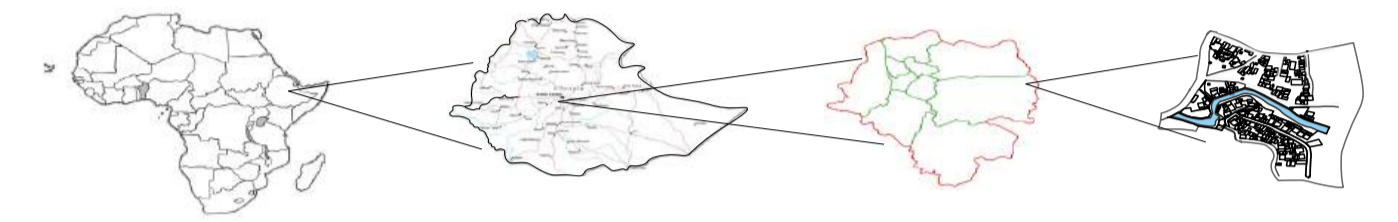
INSTRUCTOR, Amanuel B.



S I T E A N A L Y S I S



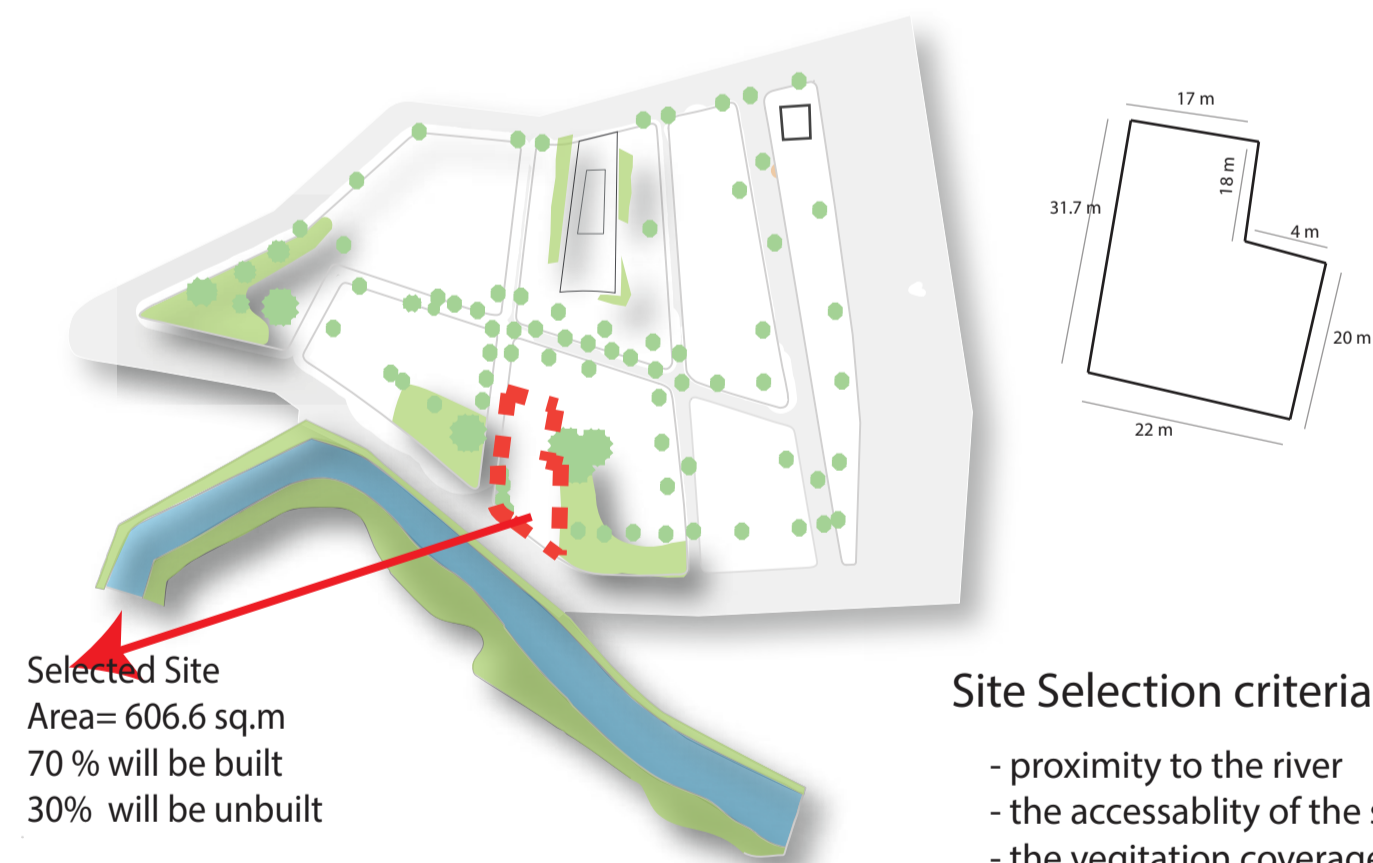
kiyas sefer SITE ANALYSIS LOCATION MAP



LEGEND

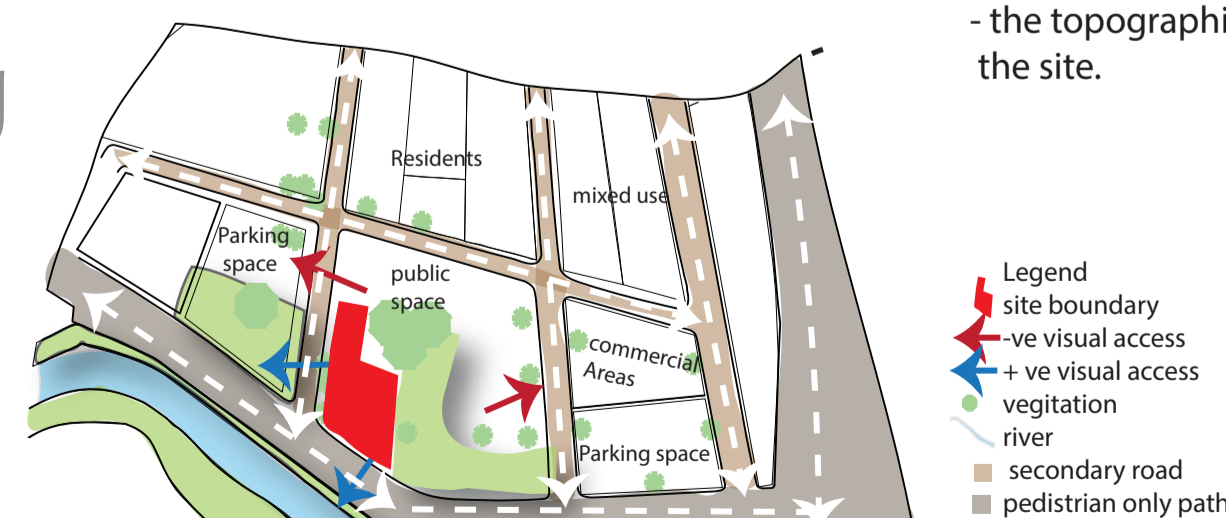
- Secondary Road
- Pedistrian only Roads
- Tertiary Road
- Vegetation
- The Building
- Public Parking
- Commercial centers
- Mixed use Building
- Residential Blocks

Site selection criteria and Site Boundary



Site Selection criteria

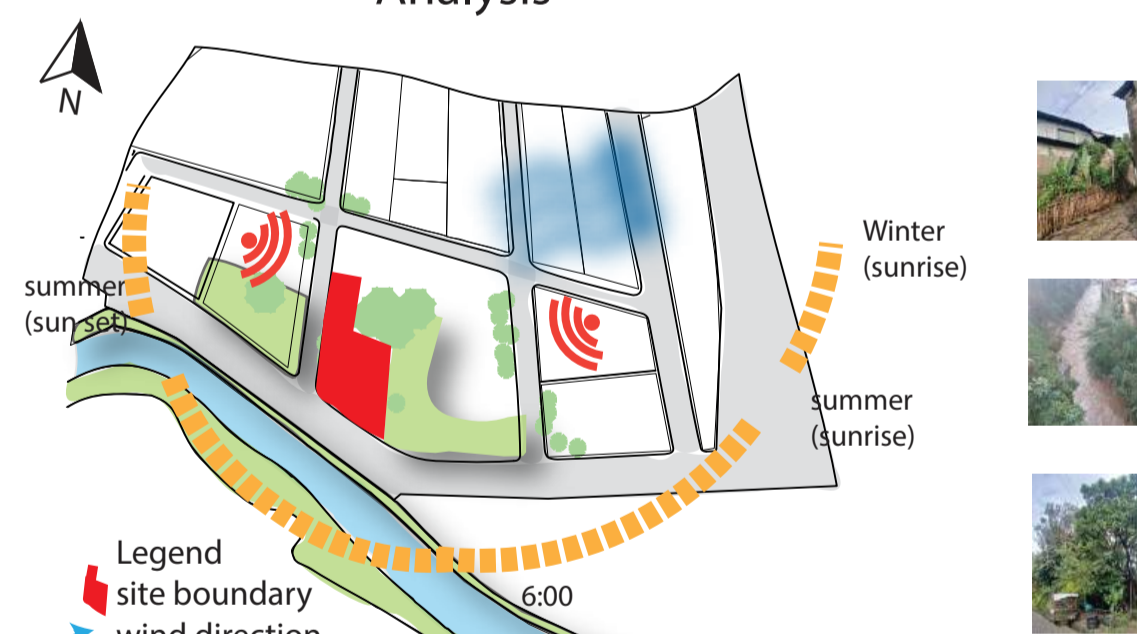
- proximity to the river
- the accessibility of the site
- the vegetation coverage
- the visual interaction from different angles
- the land use of the area
- the topographic balance of the site.



Urban Guide Lines

- 1, No more than G+4 (Ground floor plus upper floors) building height is permitted.
- 2, Every built environment must set back not less than 5m from blue infrastructure.
- 3, All the fence in the site should not hinder the visual connection through out the site.

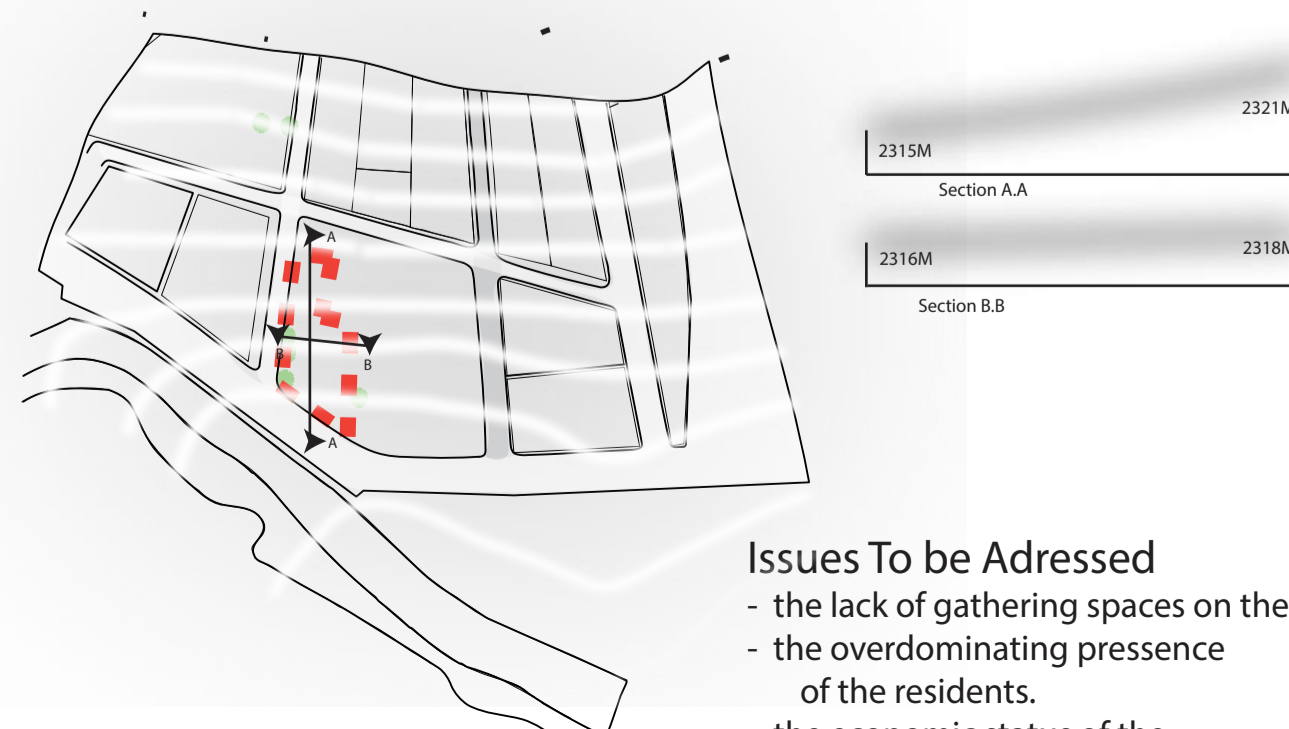
Environmental Feature Analysis



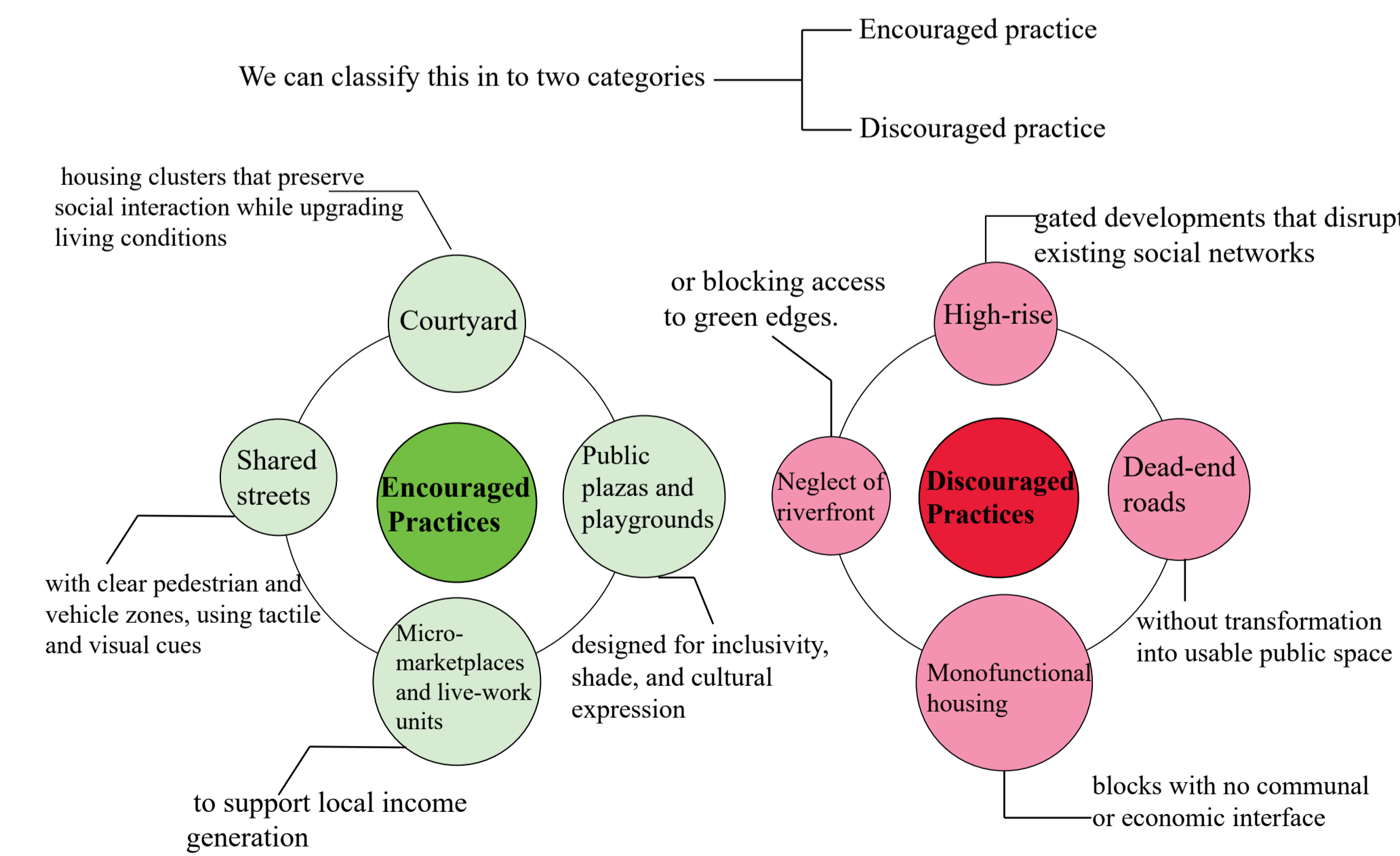
opportunities To Be Addressed

- the existence of the river for visual access
- the pedestrian and vehicle access
- the green facilities

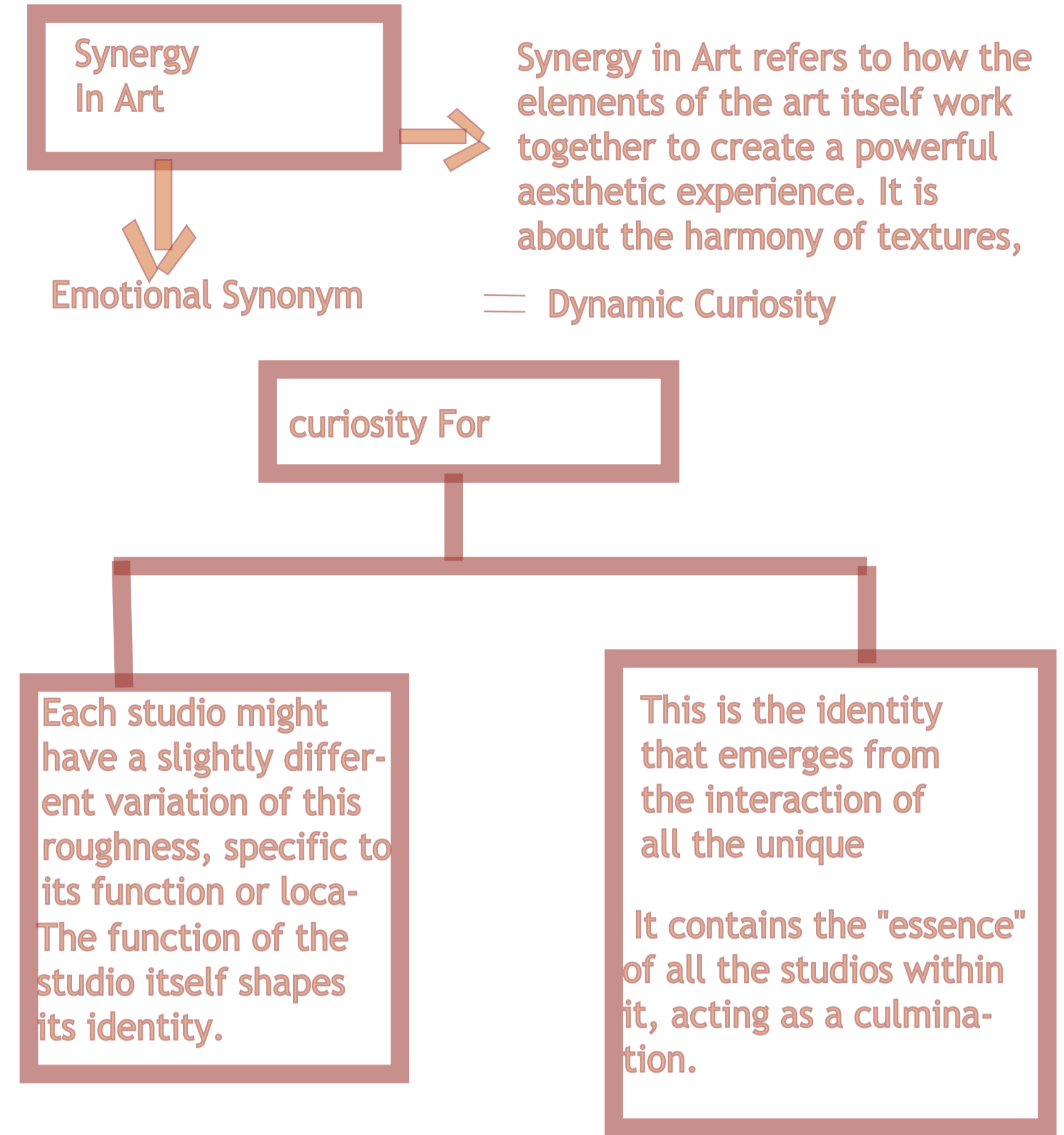
Topograph Analysis



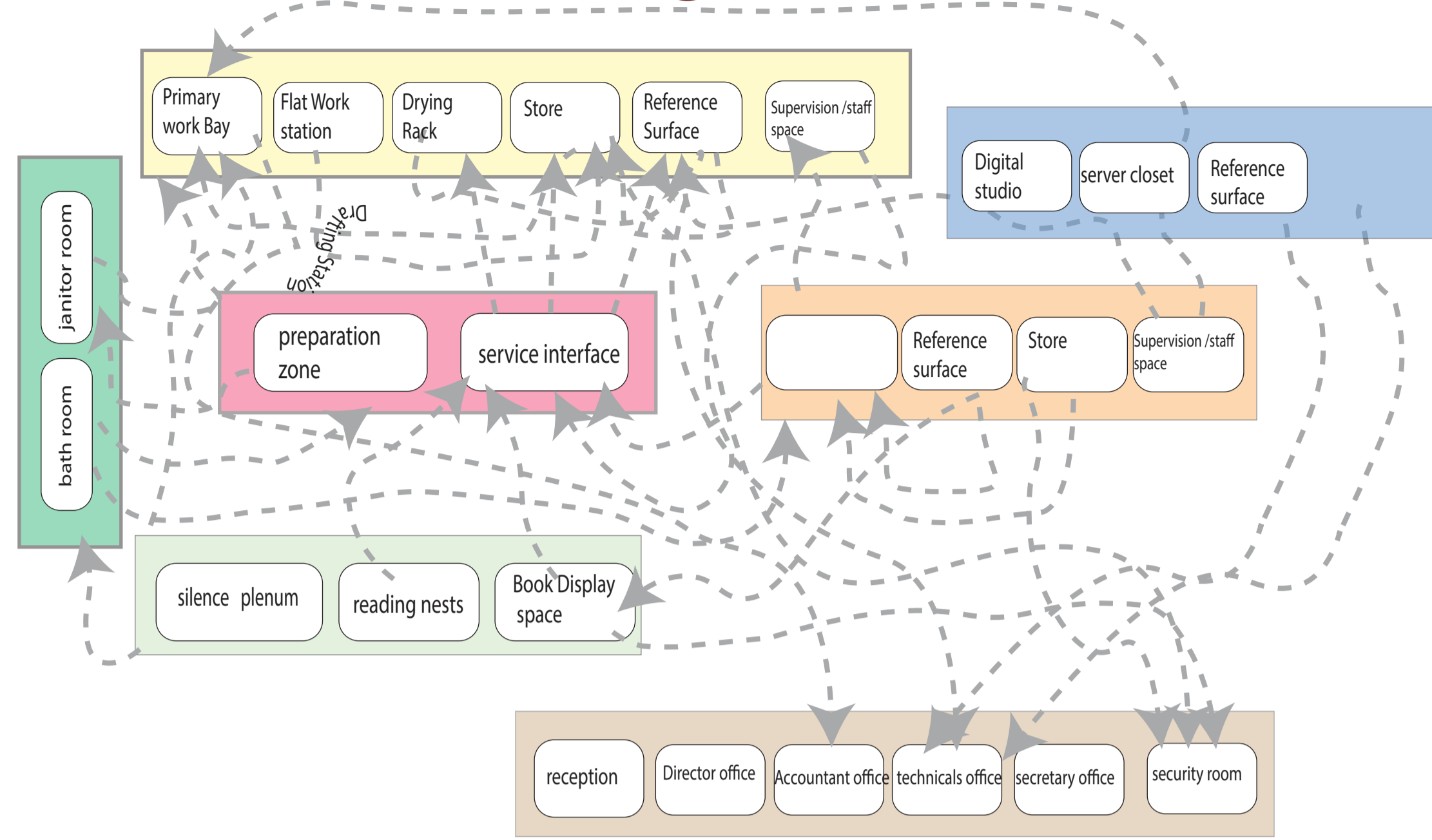
URBAN DESIGN GUIDELINES



Concept Derivation



Program List



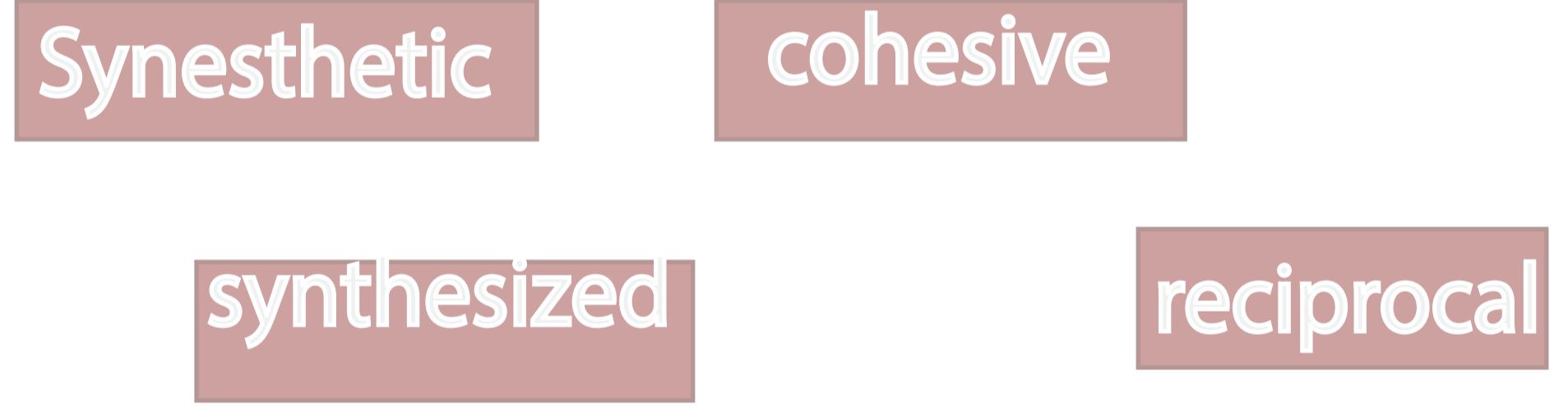
Program relationship Matrix

PROGRAM LIST	HIERARCY	PROXIMITY	ACQUISTI VALUE	SPATIAL CHARACTERIZATION
Reception Foyer	Primary	to Audience floor	High	must be open and bright
clear kroom	Supporting	to Audience floor	Medium	should be total enclosed
Display space	Primary	to conversation nodes and service interface	High	should be visually accessed from many angles
Auditorium	Primary	to deliberation zone and relief space	High	should have higher visual depth.
stage manager	Primary	to Audience floor	High	should be visually accessed from many angles
Art studio	Primary	to service interface and relief space	High	should have higher visual depth.
preparation zone	Supporting	to service interface	Medium	must be open and bright
service interface	Supporting	to all program	High	must be open and bright
silence plenum	Primary	to service interface	Low	should interfe to the green infrastrucuter
Reading nests	Primary	to service interface	Low	should interfe to the green infrastrucuter
Book Display	Primary	to service interface	High	should interfe to the green infrastrucuter
Janitor room	Supporting	to all program	Low	should be physically accessed easily
Bath room	Supporting	to all program	Low	should be physically accessed easily
Art Display space	Primary	to service interface	High	should interfe to the green infrastrucuter
store	Primary	to service interface	High	should interfe to the green infrastrucuter

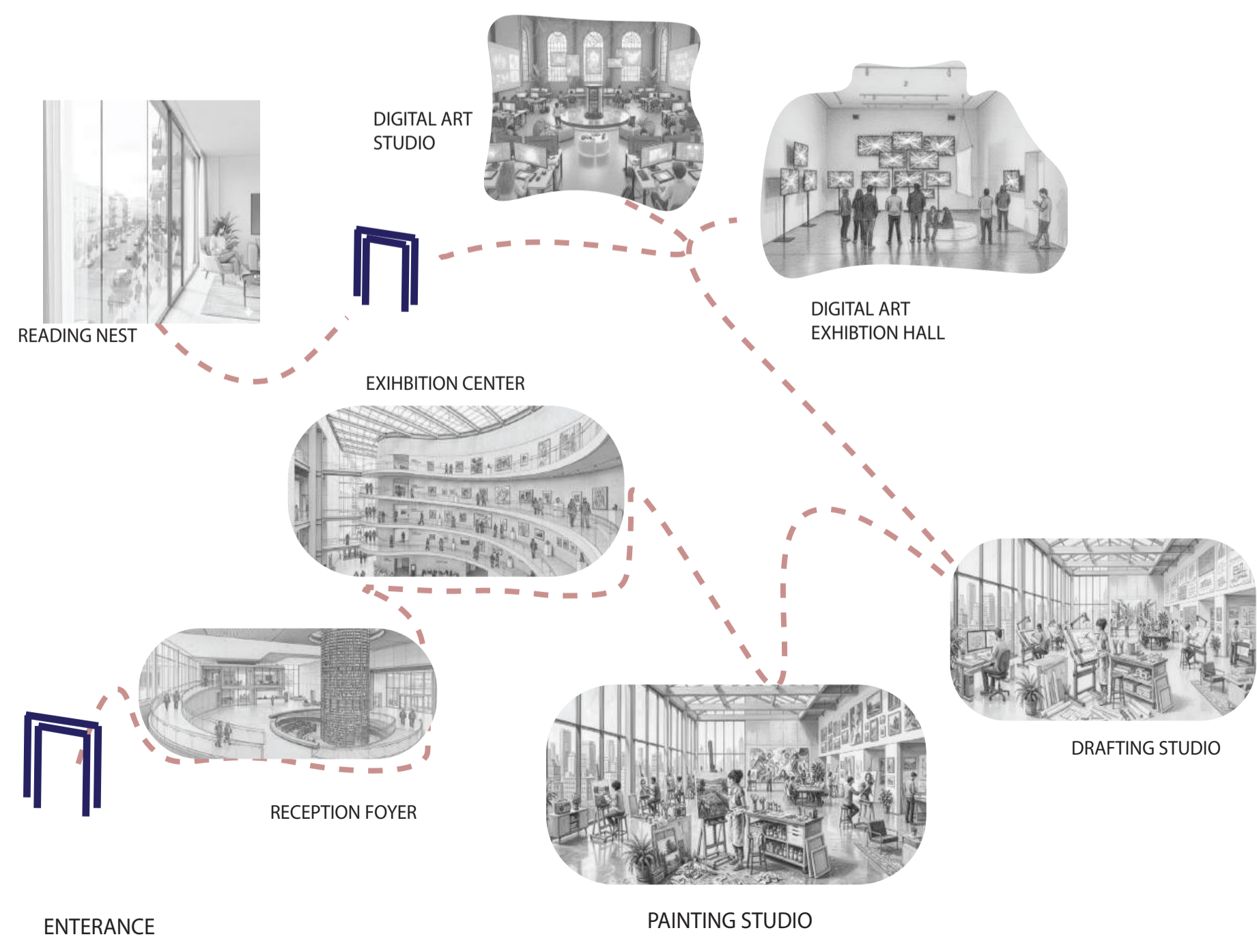
legend

- High sunlight
- Low sunlight
- Medium sunlight

Spatial Adjectives



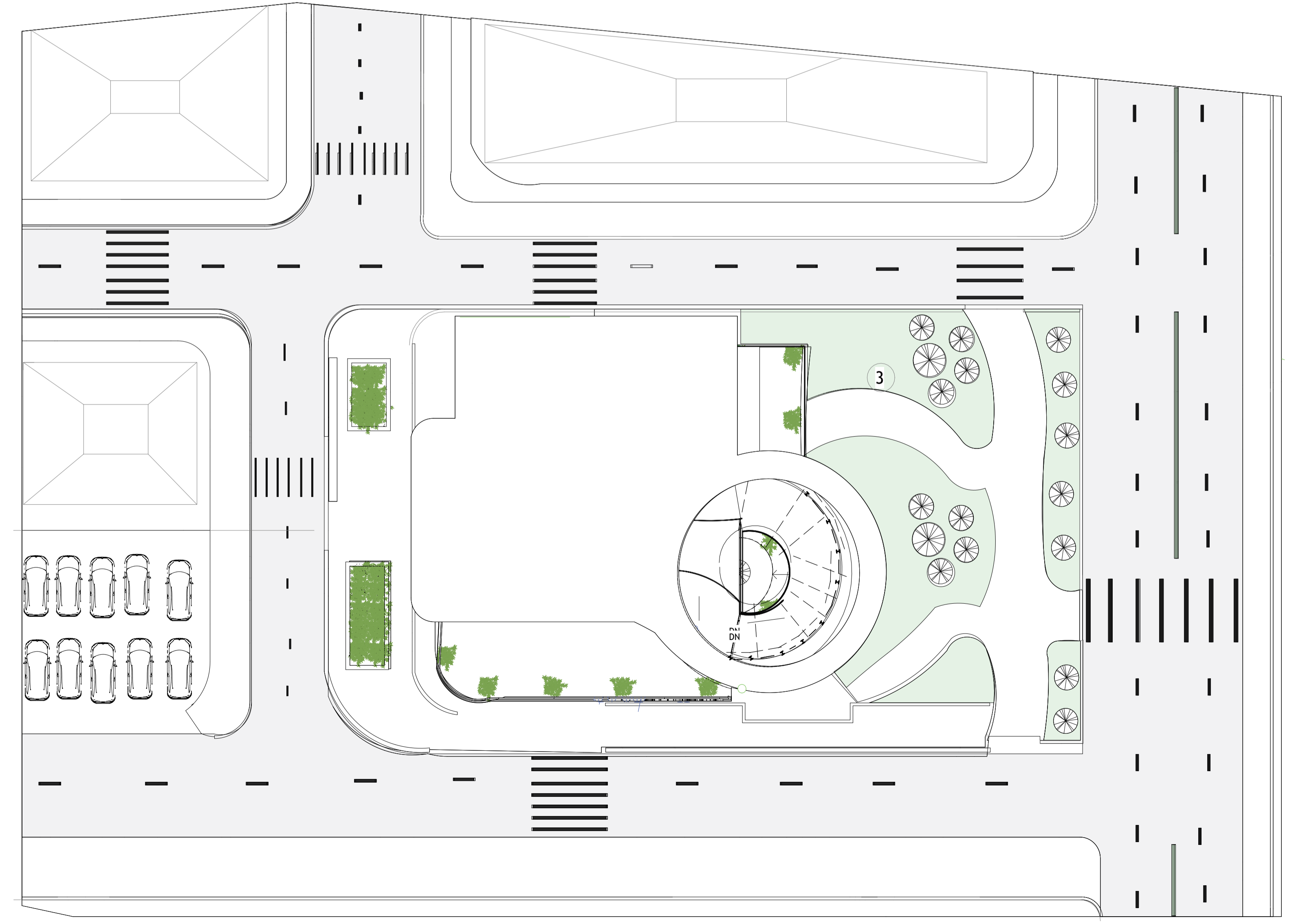
CONCEPTUAL IDEA DIAGRAM



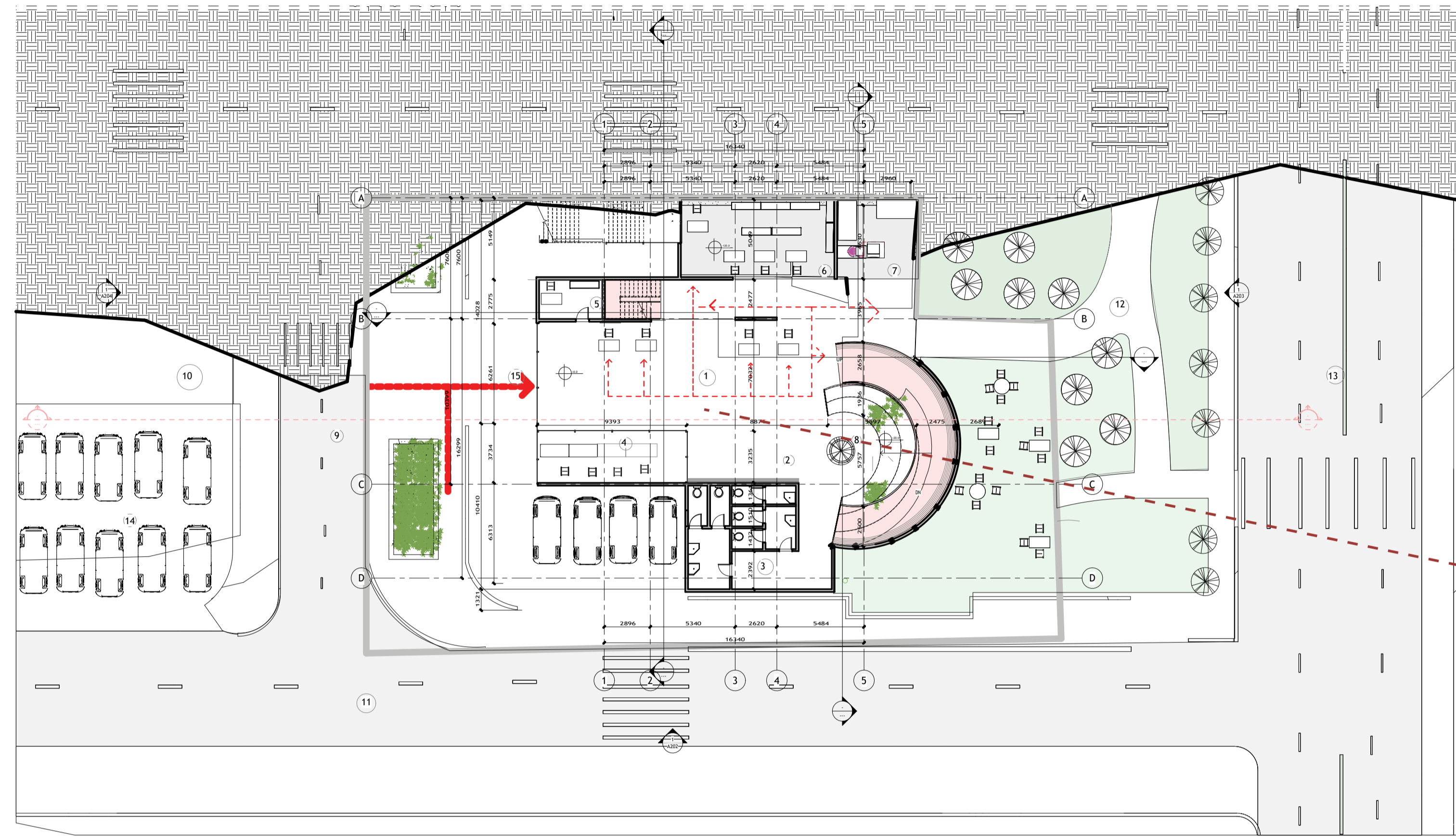
Site Plan: THE CONTEMPORARY MUSEUM OF ART

LEGEND

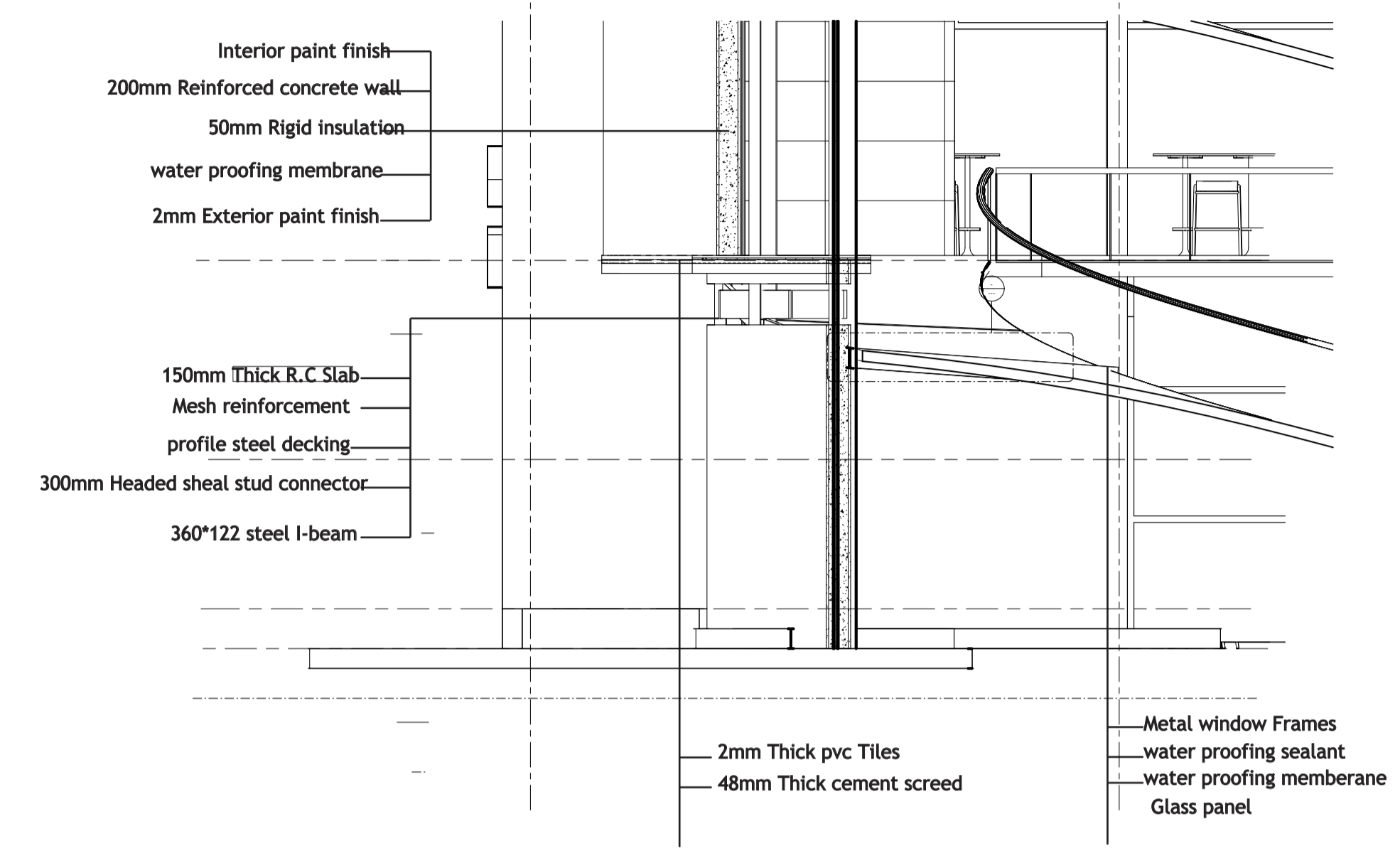
- Secondary Road
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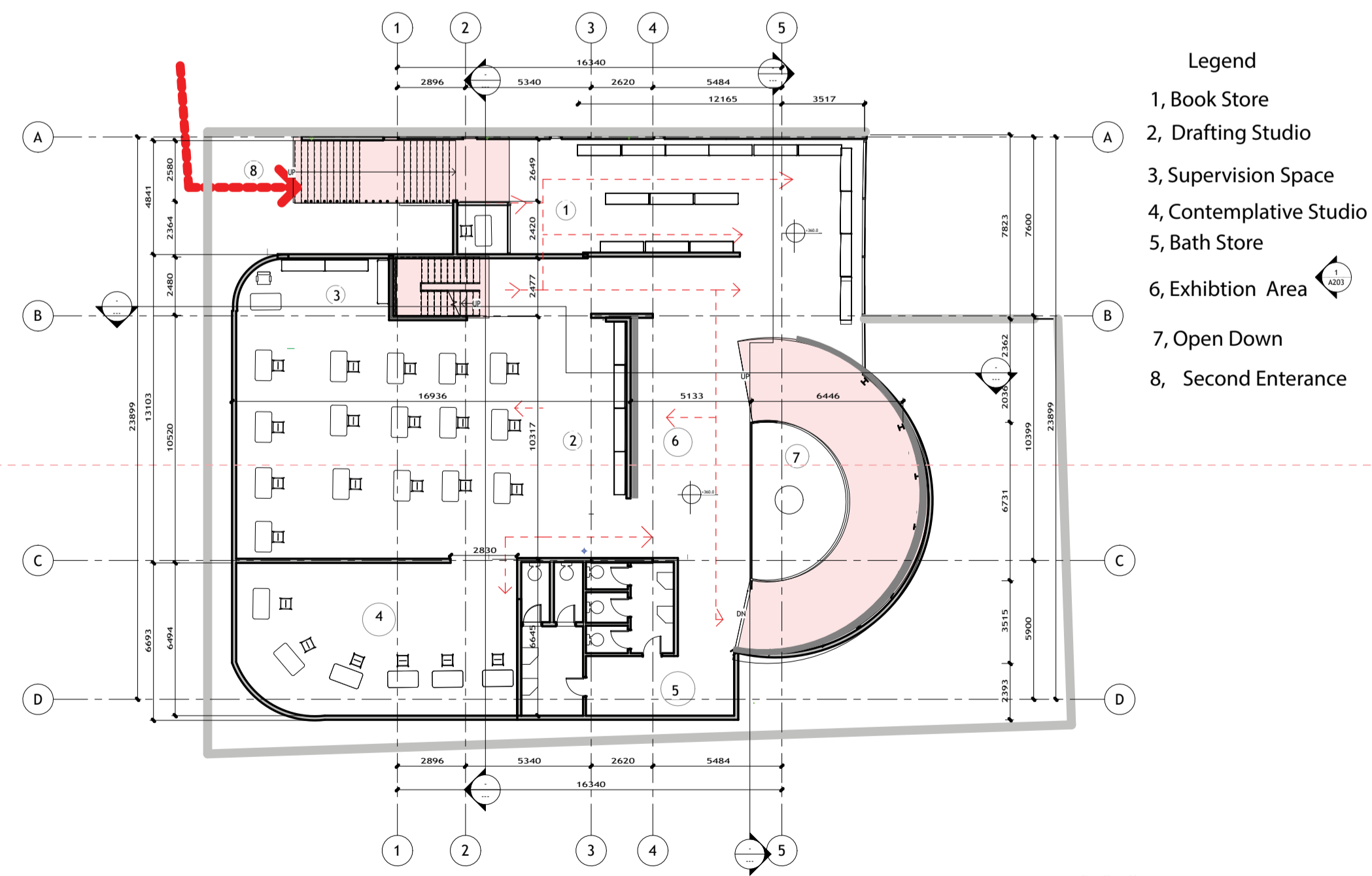
Floor Plan Drawings



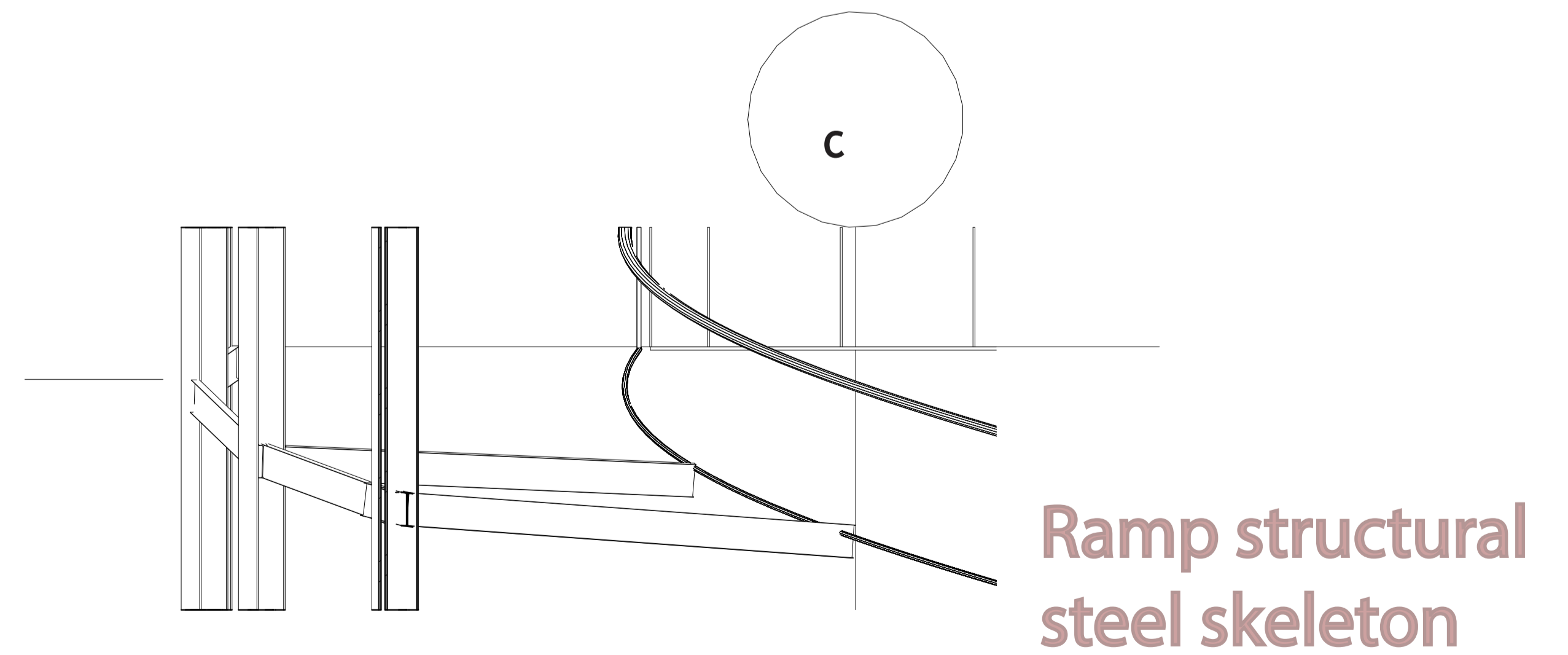
Ground Floor Plan
Scale 1:200

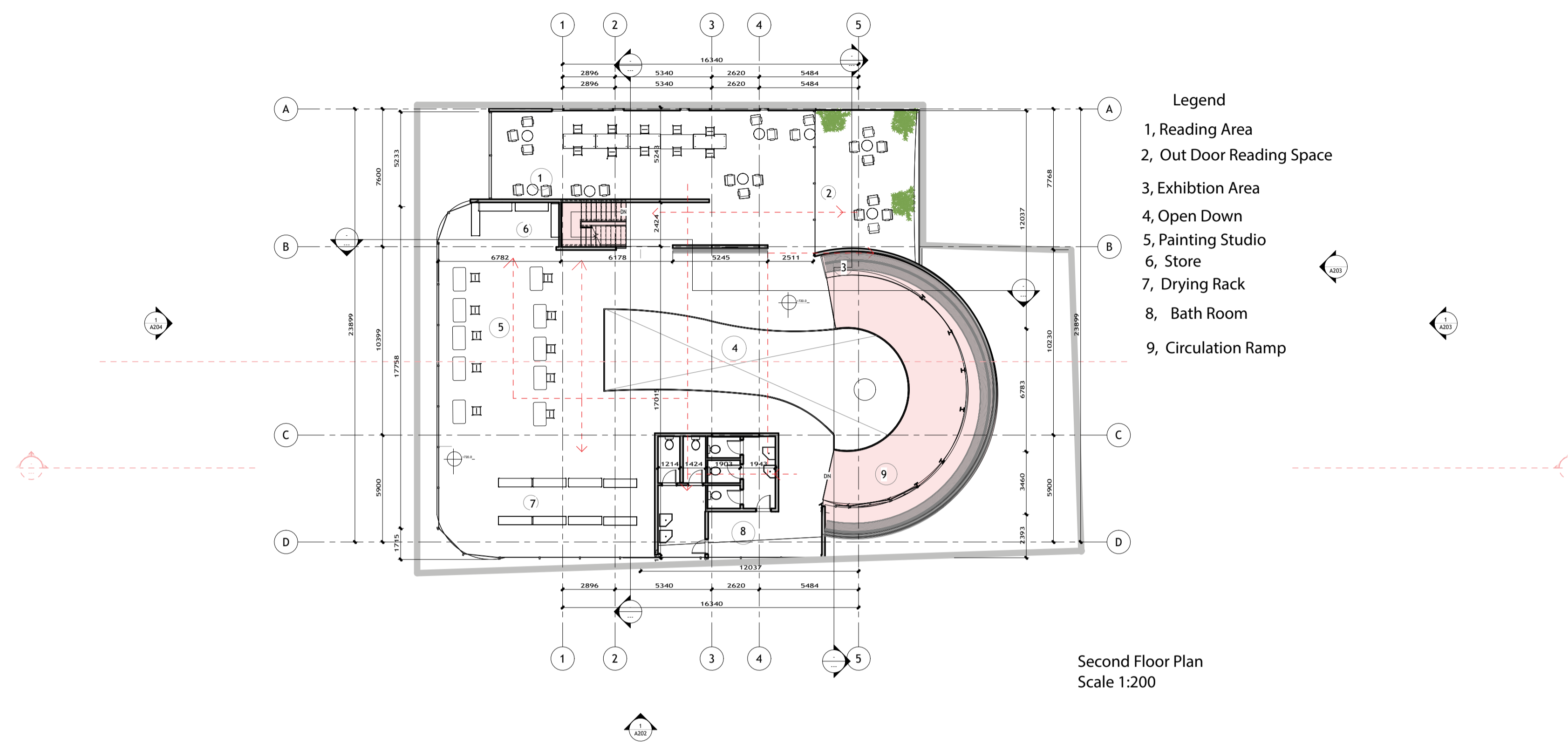
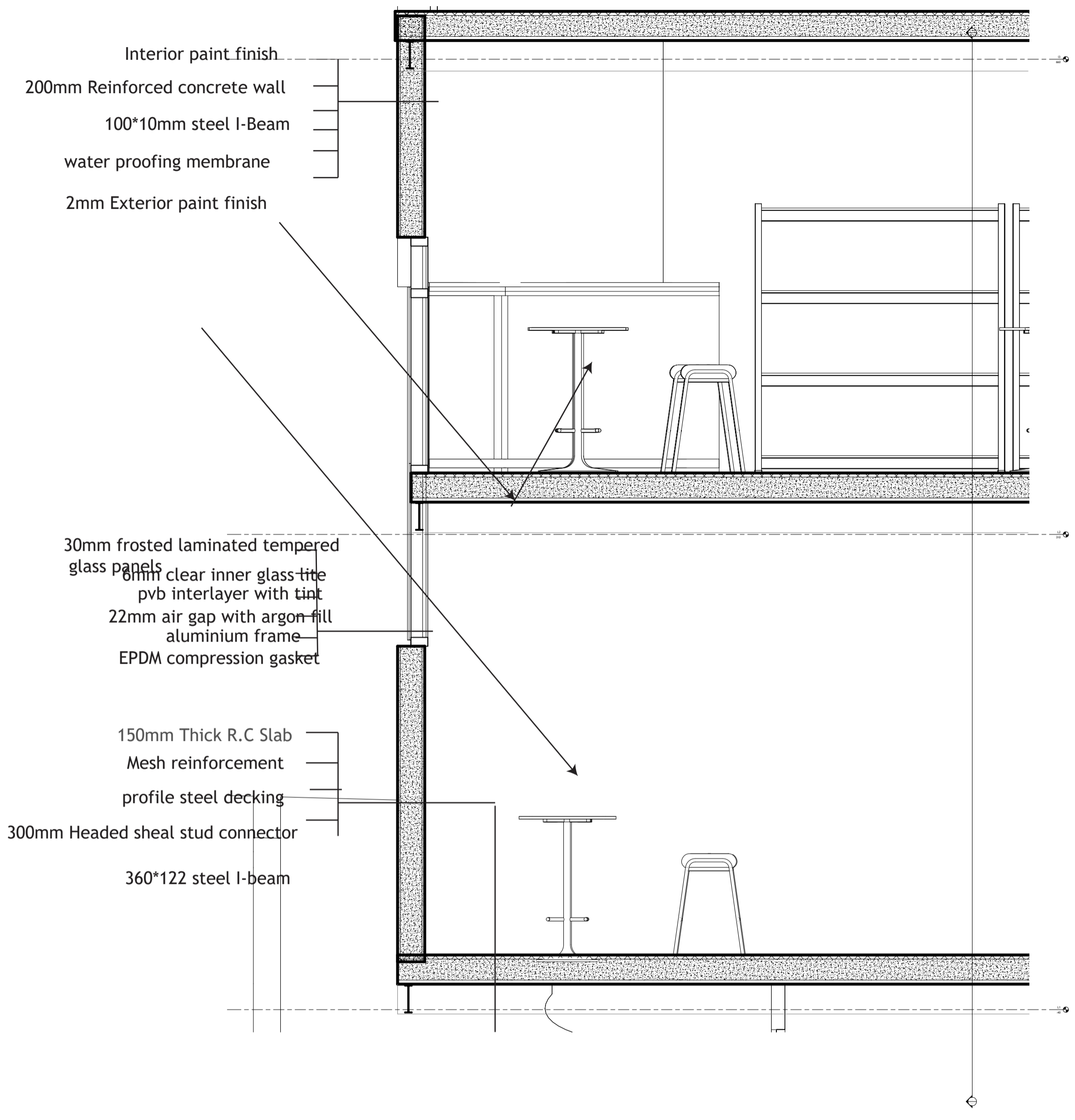


Reception Foyer, is a space designed for authors and painters to host a sining event in the time of need and also it serves as a wide circulation center for the whole building.

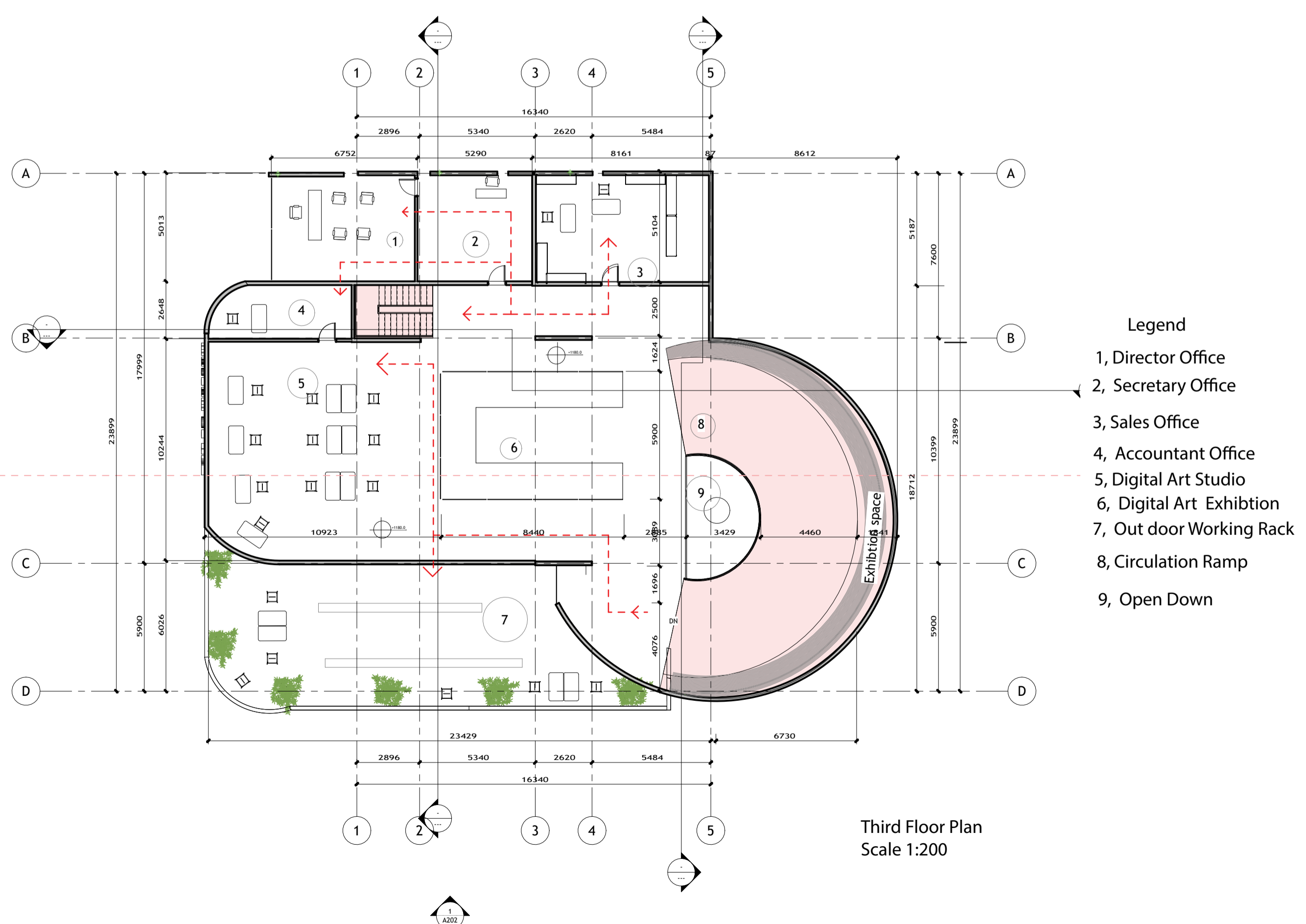


First Floor Plan
Scale 1:200





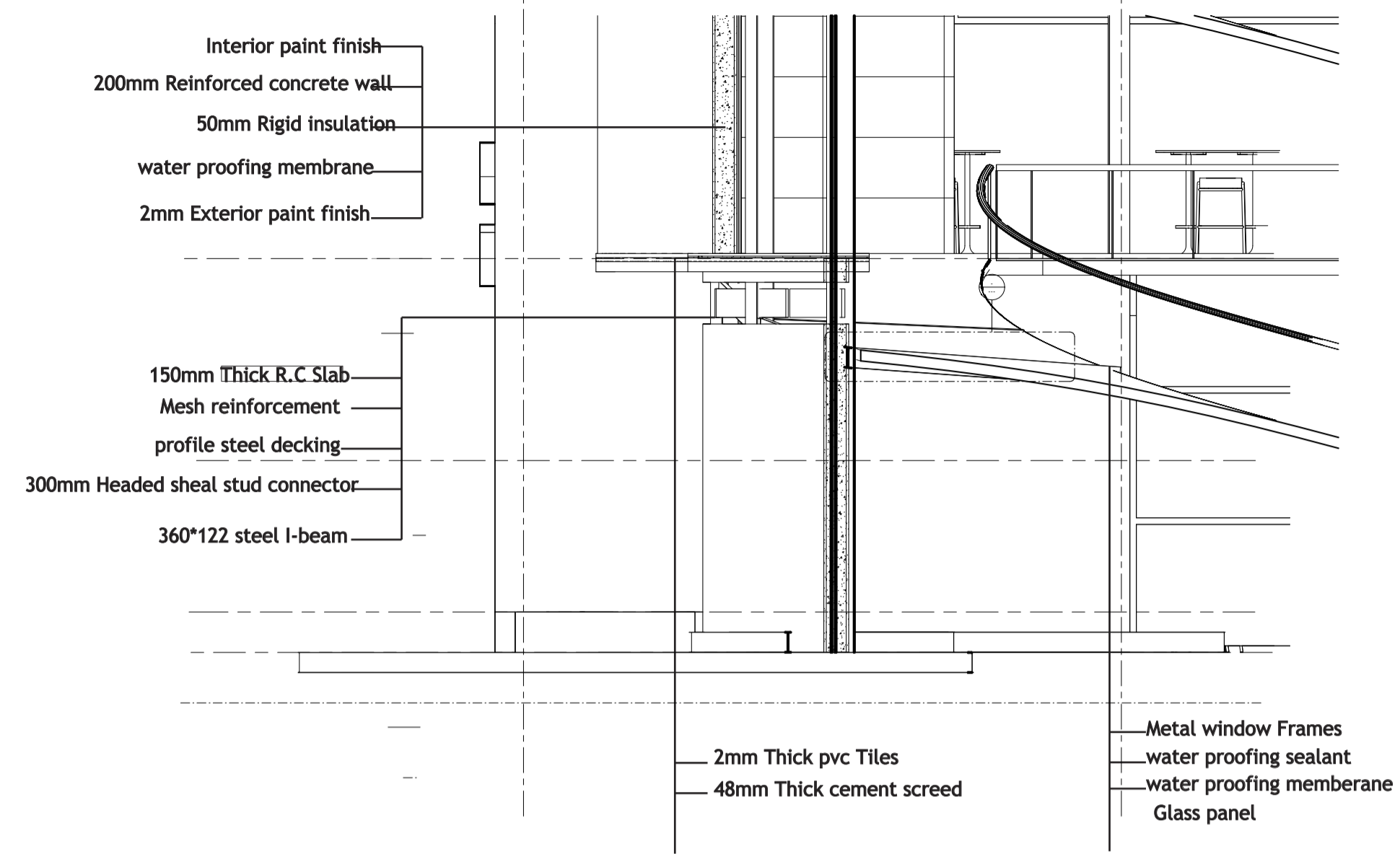
Second Floor Plan Scale 1:200



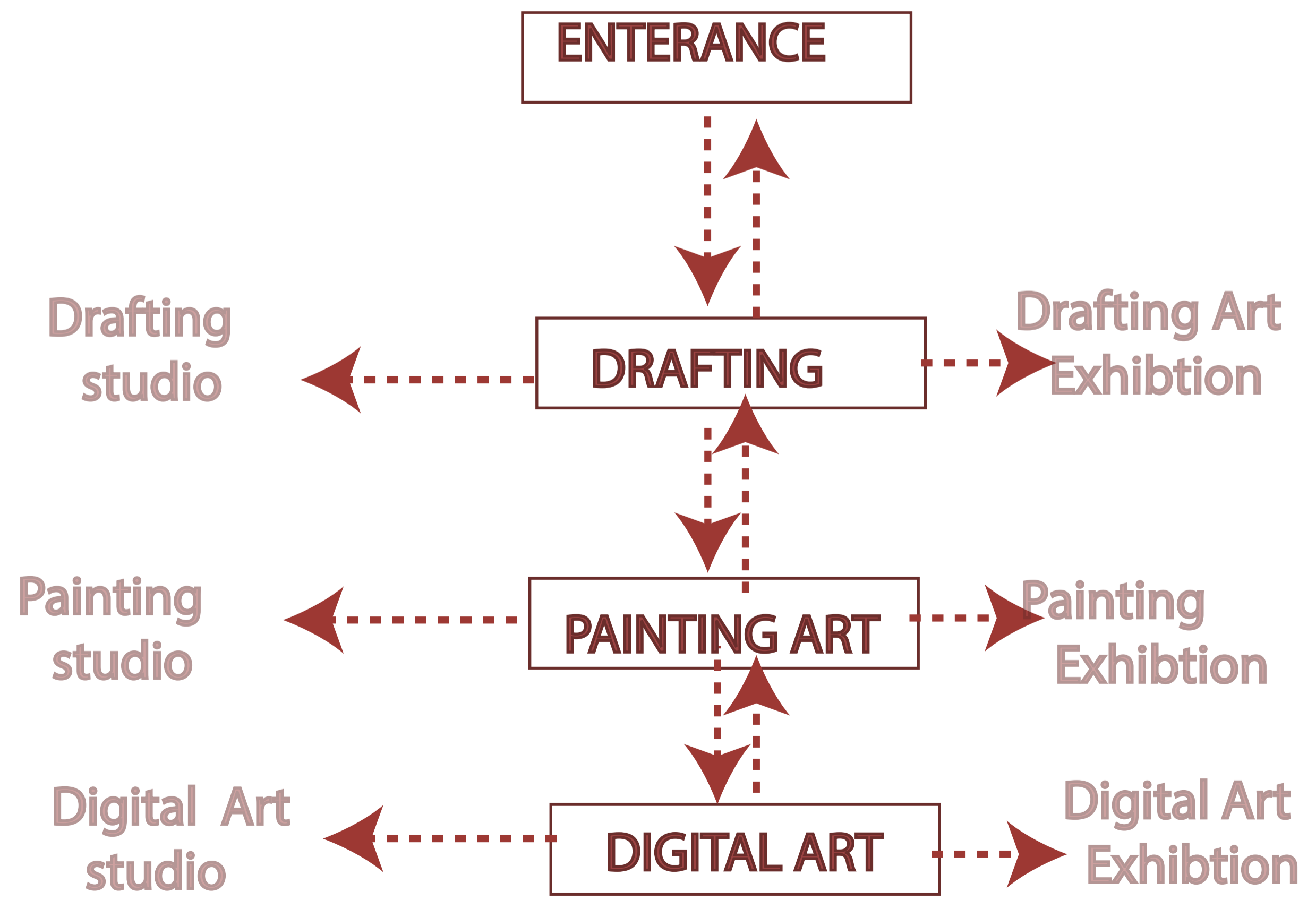
Third Floor Plan Scale 1:200

WHY IS It Named "THE CONTEMPORARY MUSEUM OF ART" /
 Since every authenticated art that is done with in a day will be posted on the exhibition space of the respective floor of their studios while still keeping the most exhibited ones so their will be an art of the past ,present and future in one time working as a synergy in the art.
 This will solve the public space scaricity of the site by offering a place where the youths can pass their whole day being creative.

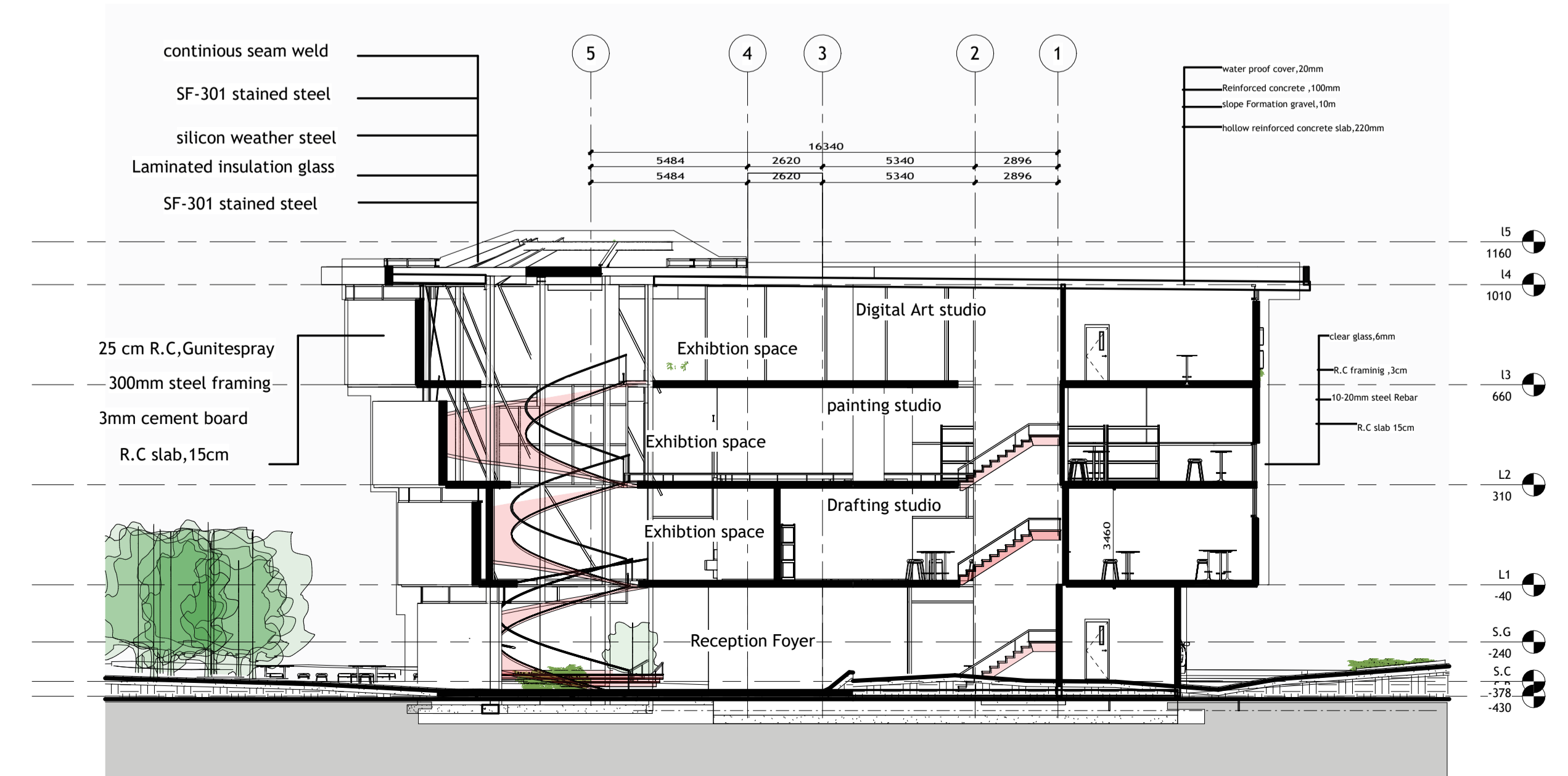
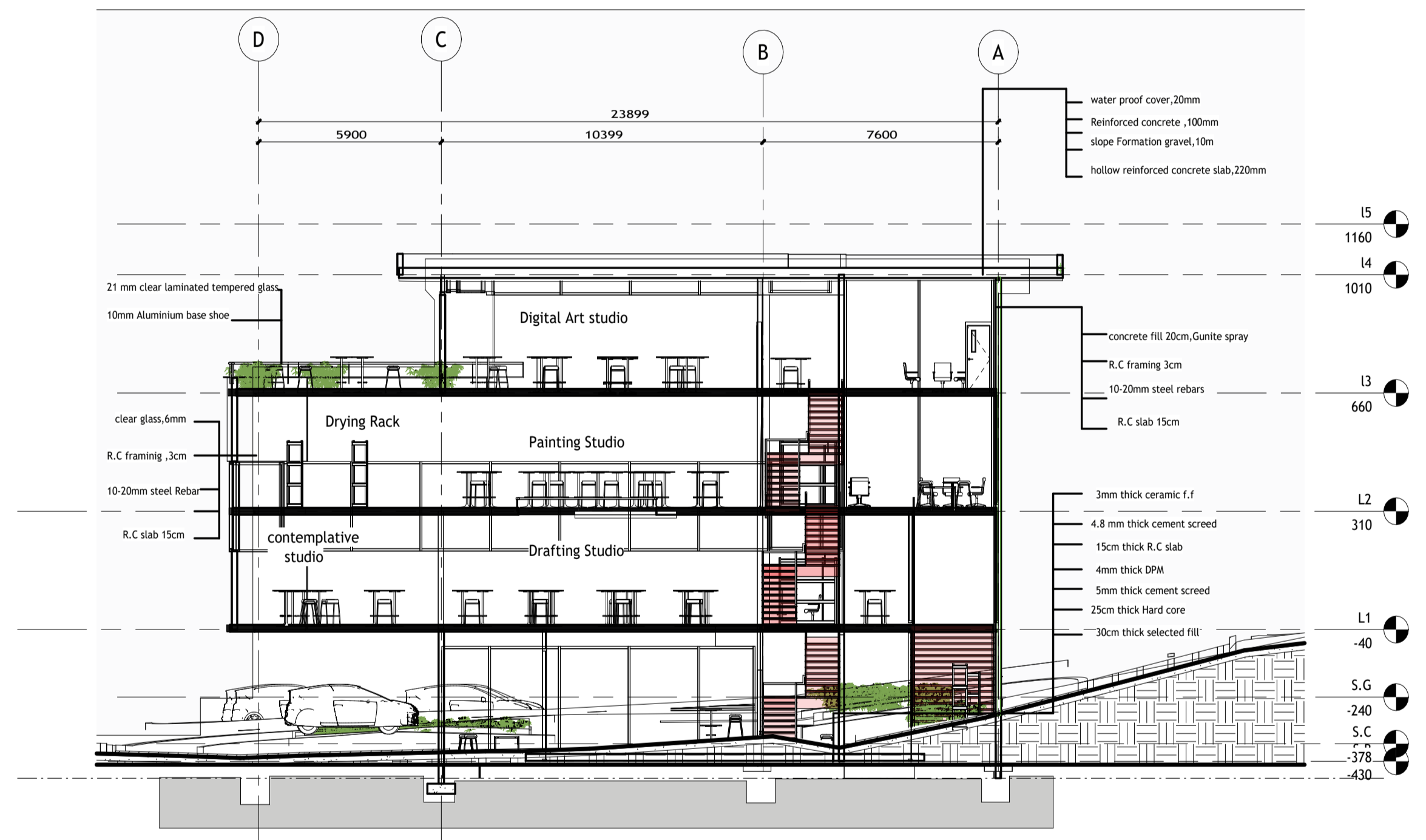
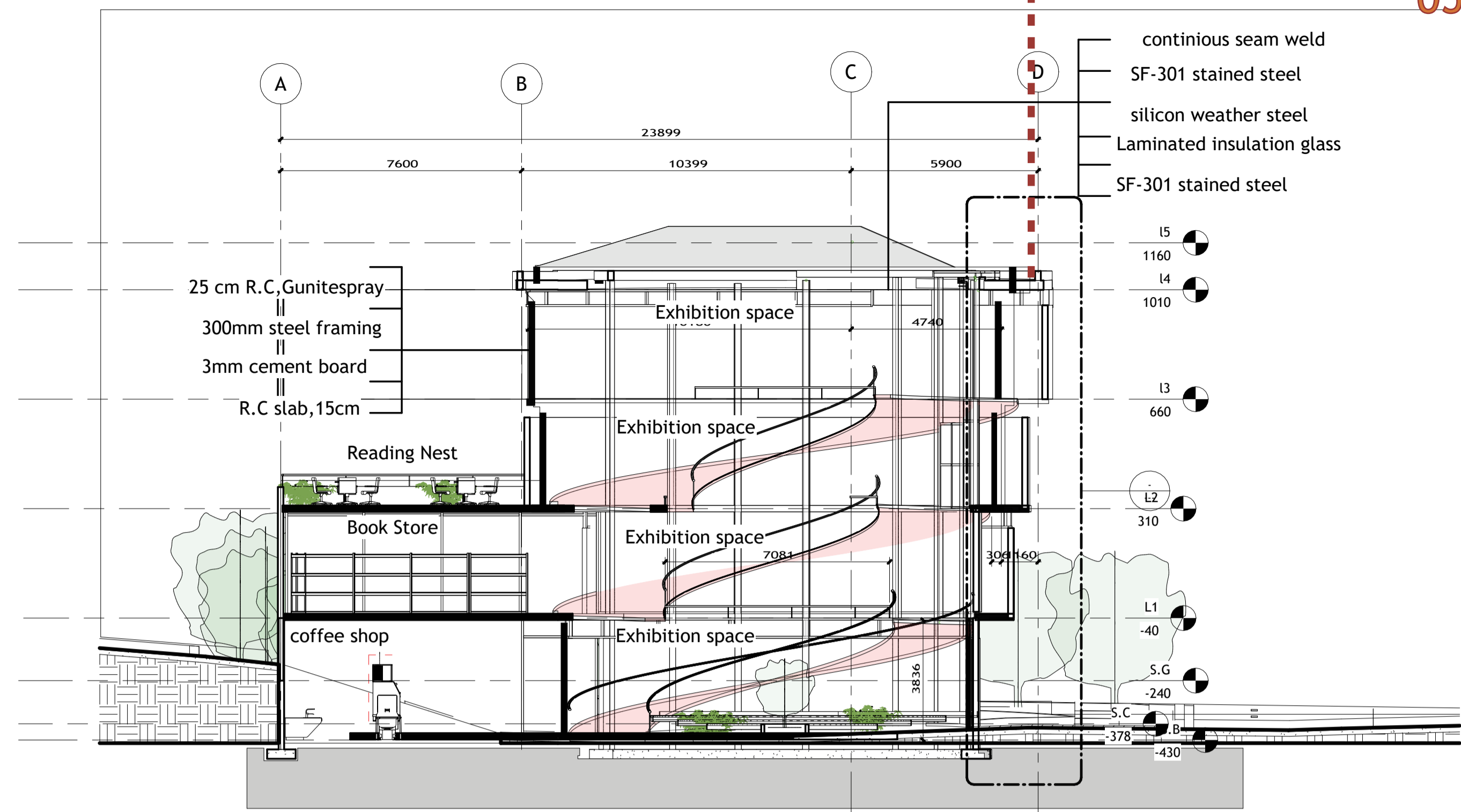
Art will be practiced here in the studios and exhibited on the slab next to the ramps on the same floor it is made to create a horizontal connectivity.



The arts are set with in their chronological order "As drafting was the first way to start art then comes painting and if un can master both- their will be digital art coming next to it" This shows the vertical connection between the programs in the building.



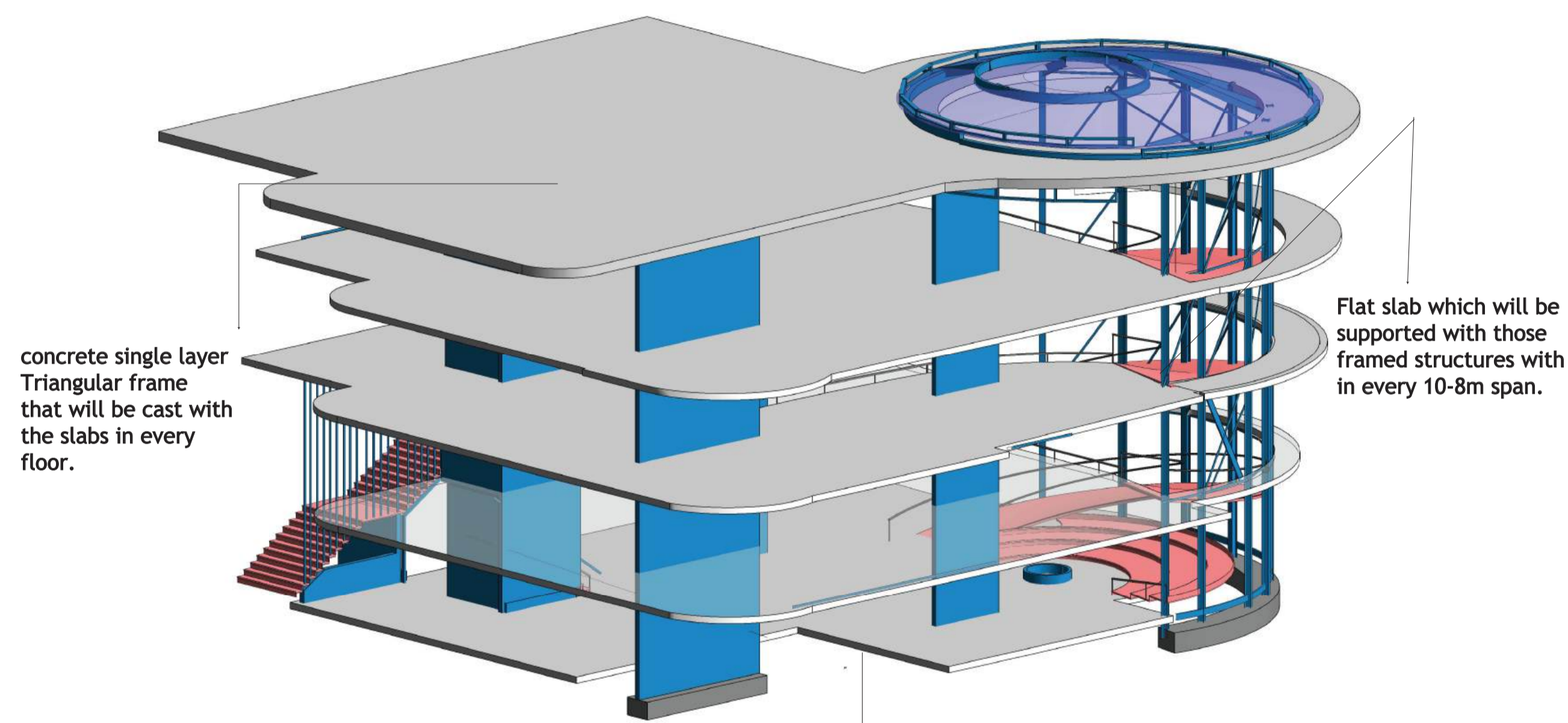
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The structure is a Hybrid Rigid 3D Single-Layer Triangular Frame, a high-performance skeleton that utilizes the inherent stability of the triangle to eliminate the need for traditional shear walls. By employing rigid moment connections at every node,

STRUCTURAL ANALYSIS

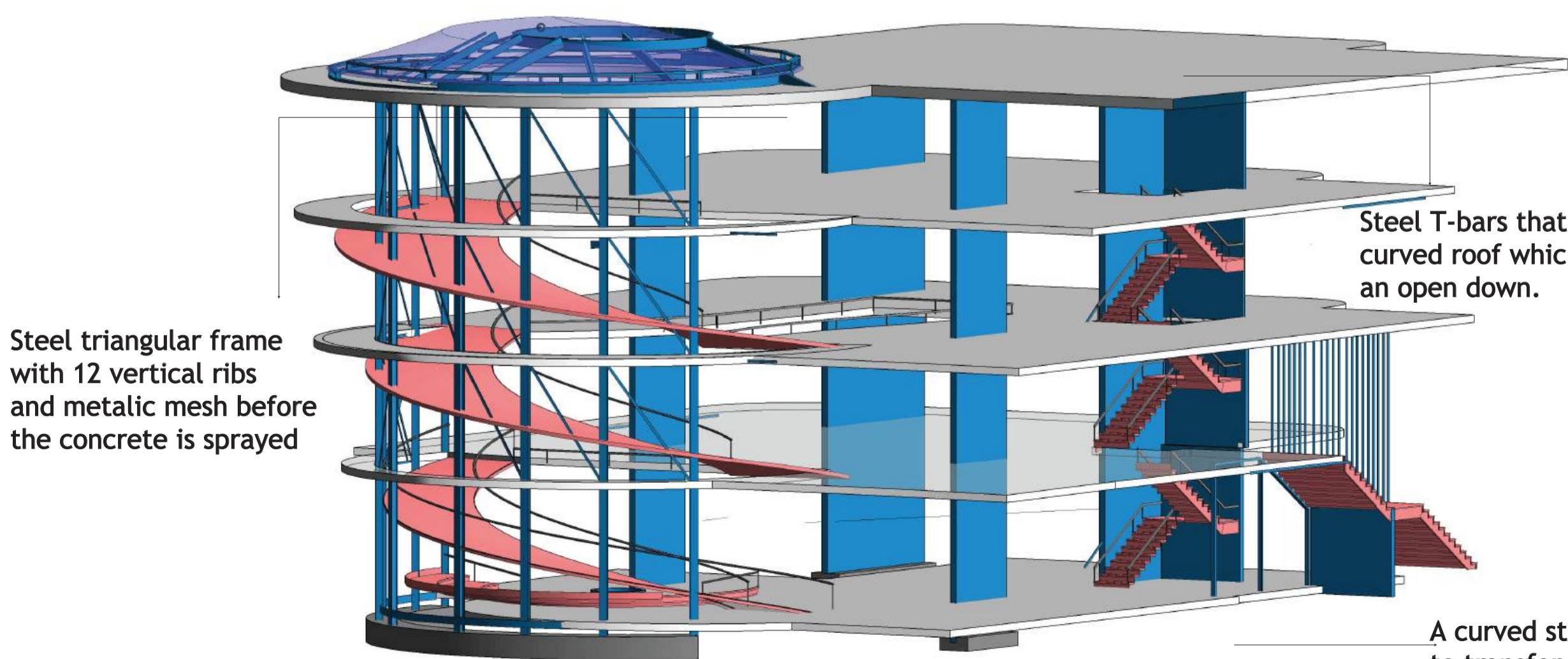
WALL SECTION



concrete single layer Triangular frame that will be cast with the slabs in every floor.

Flat slab which will be supported with those framed structures with in every 10-8m span.

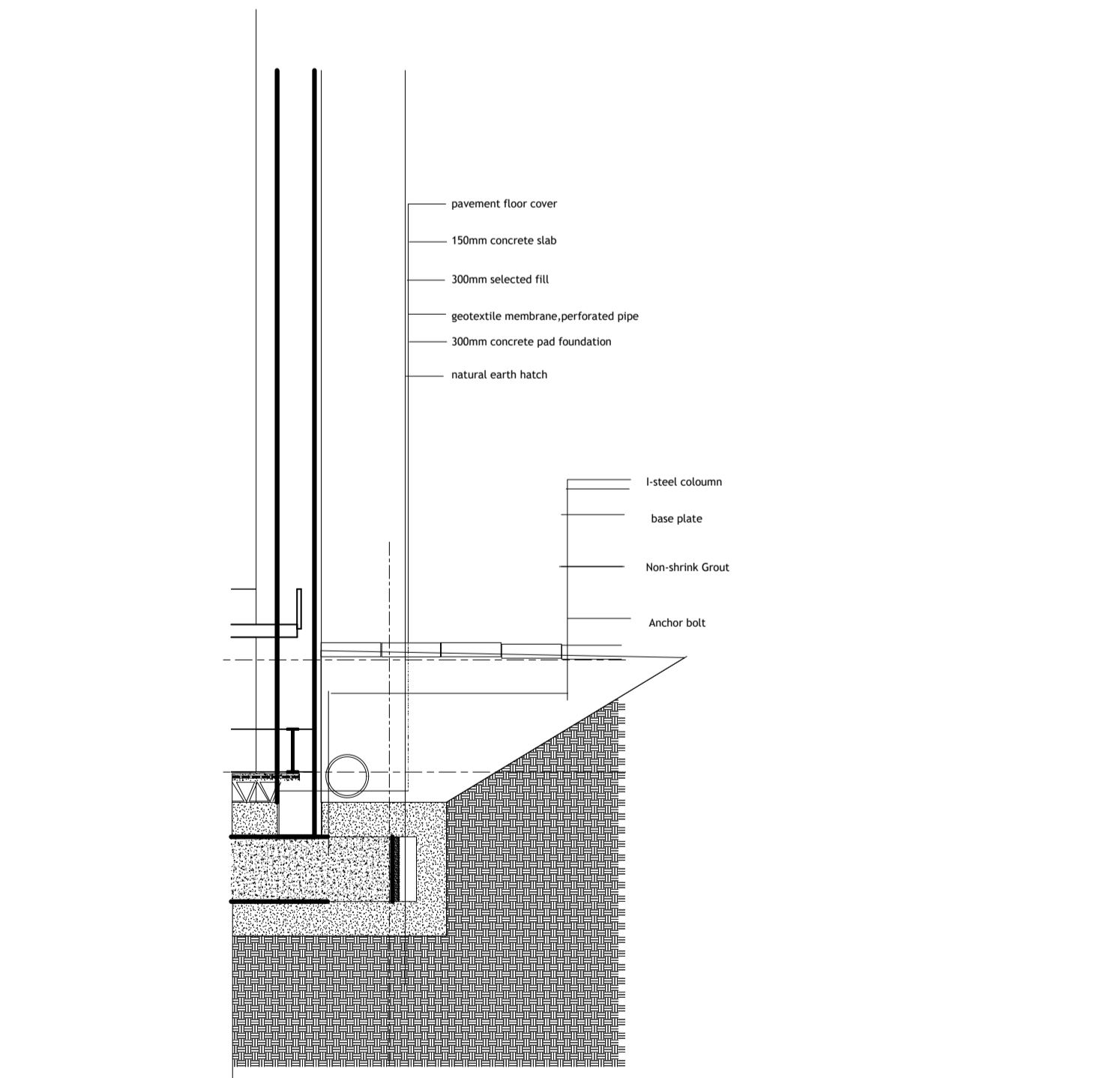
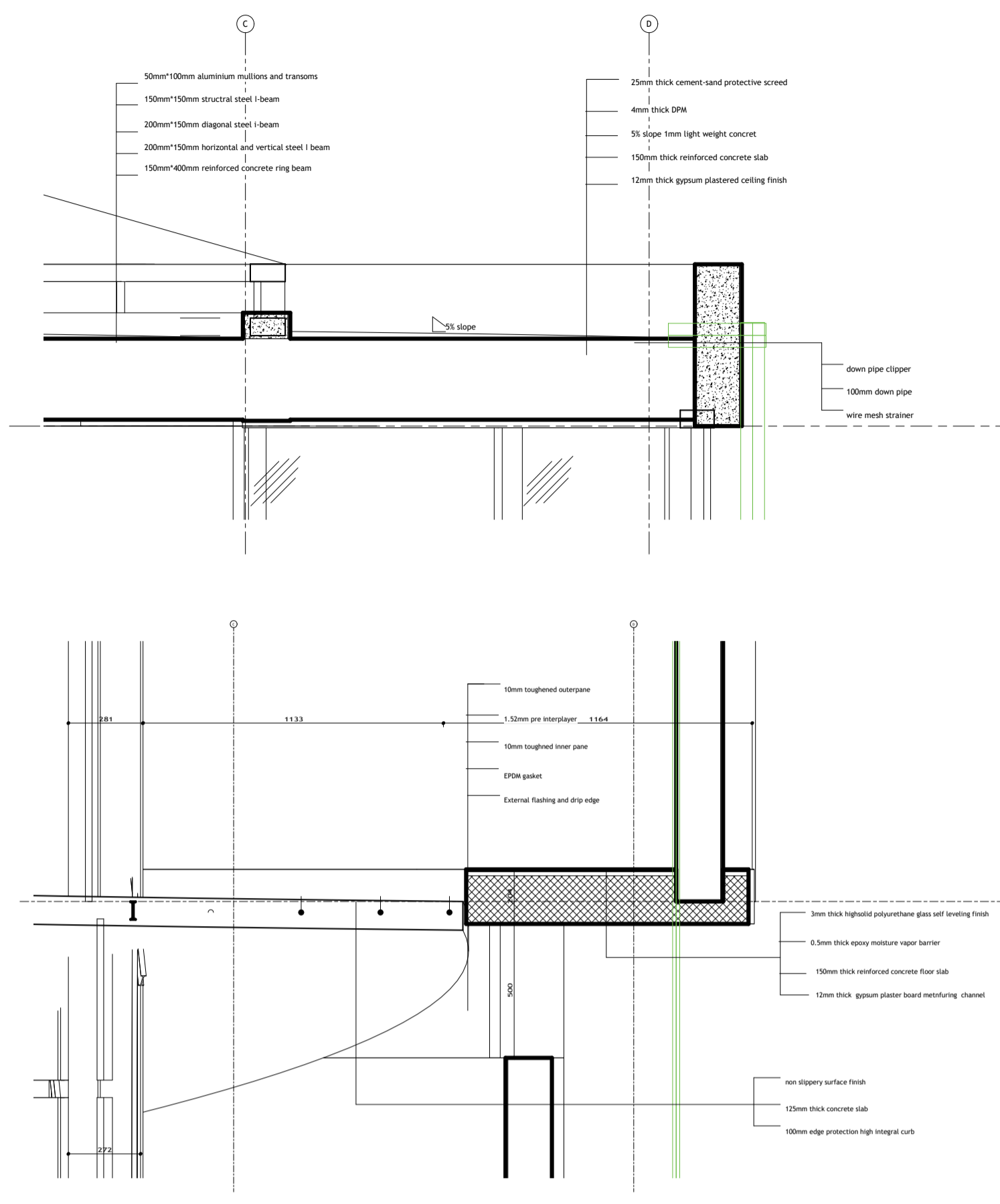
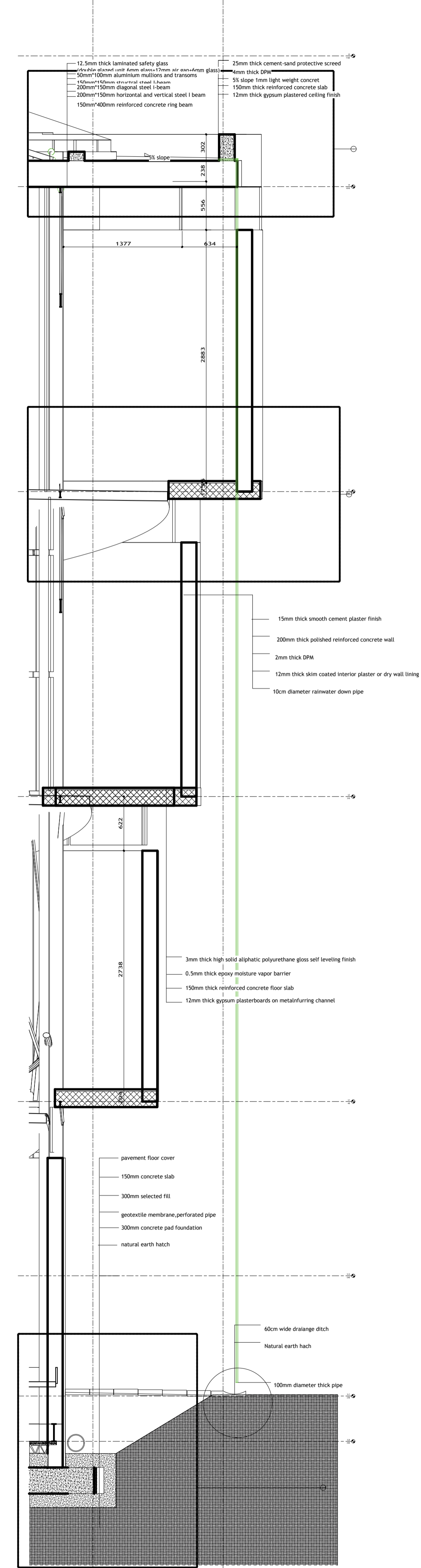
A strip foundation that will be easily transefer load to the ground and distribute it horizontally taking from every vertical steel ribs



Steel triangular frame with 12 vertical ribs and metallic mesh before the concrete is sprayed

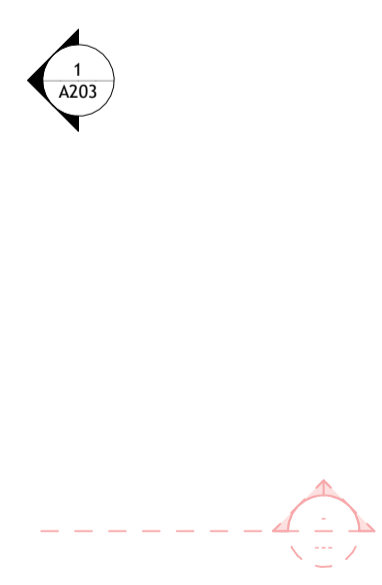
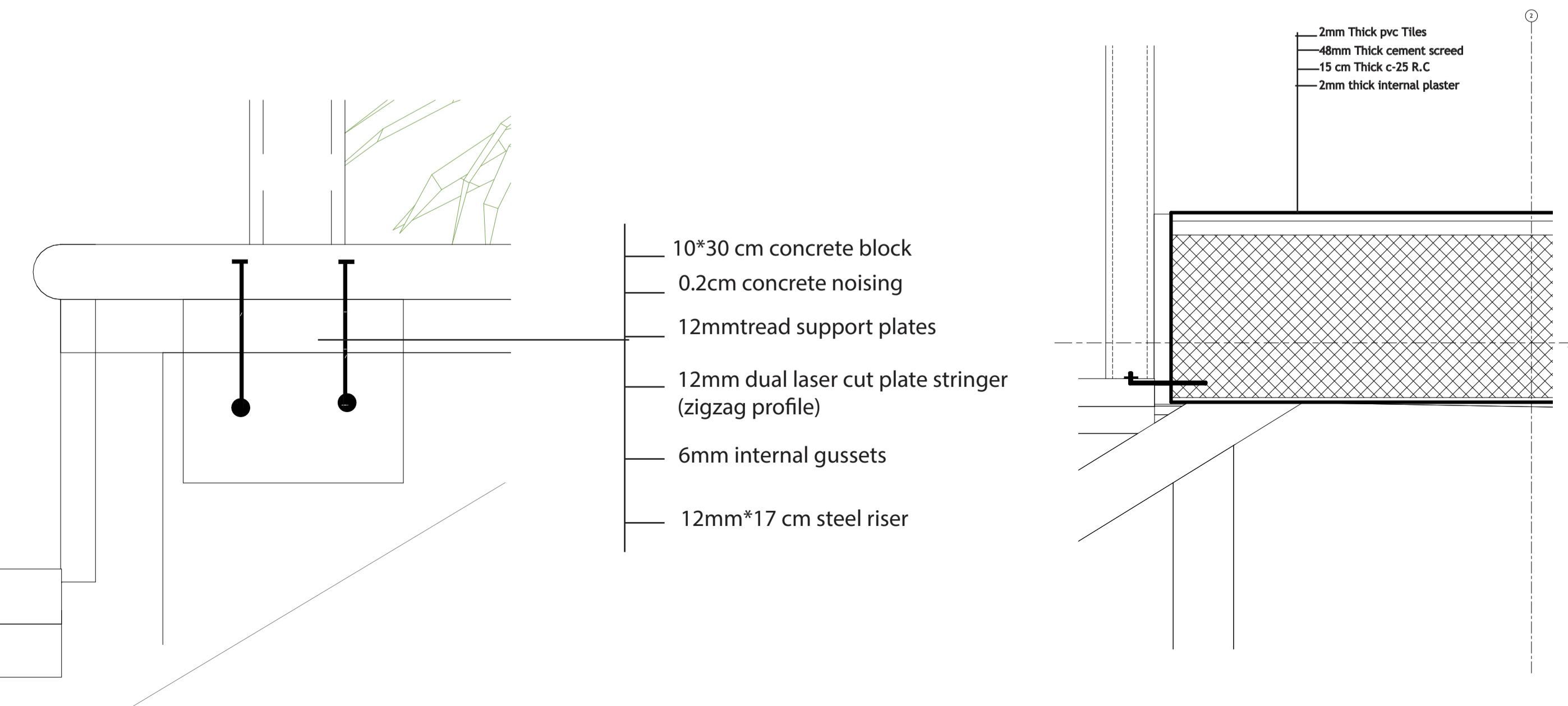
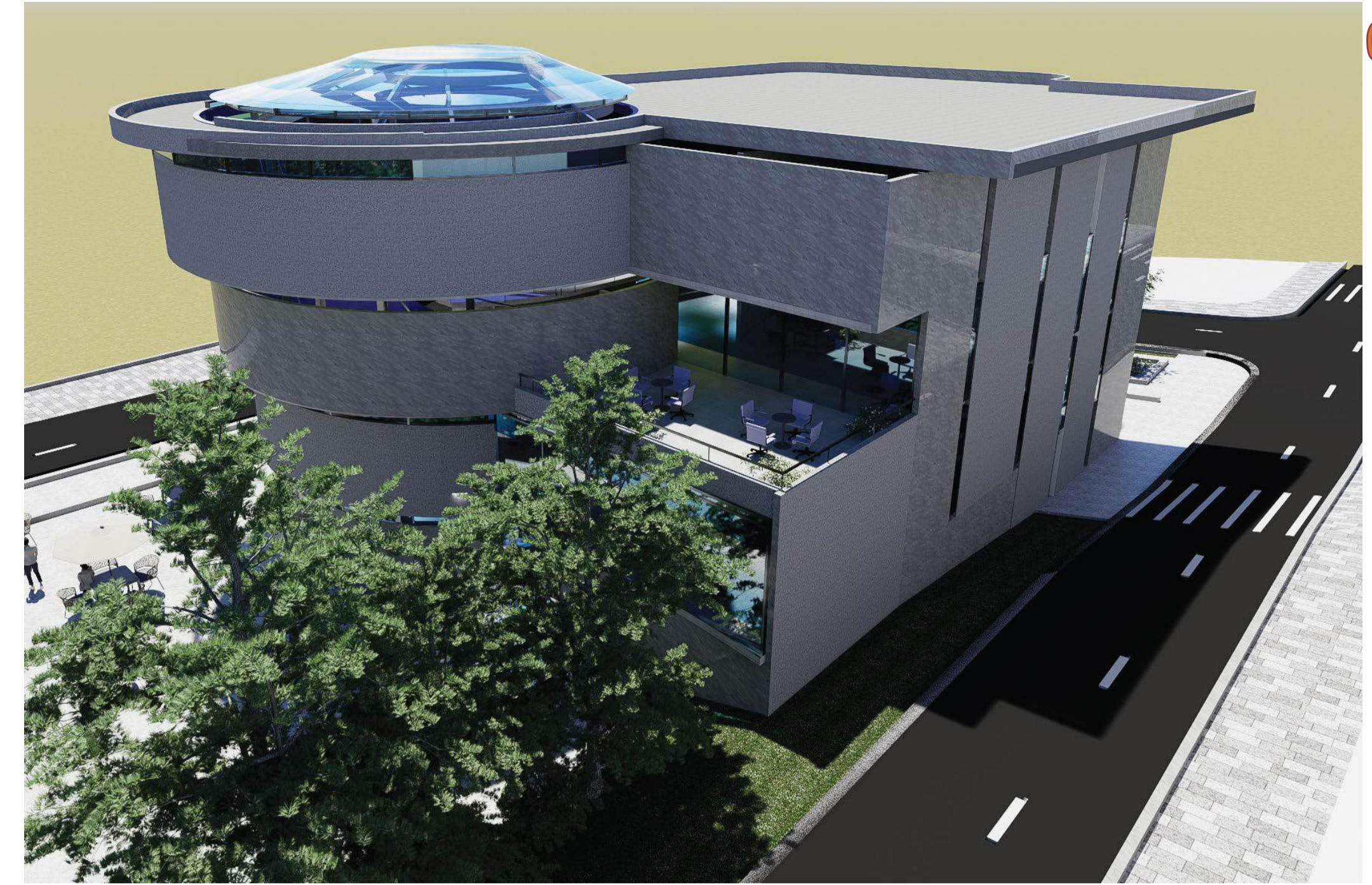
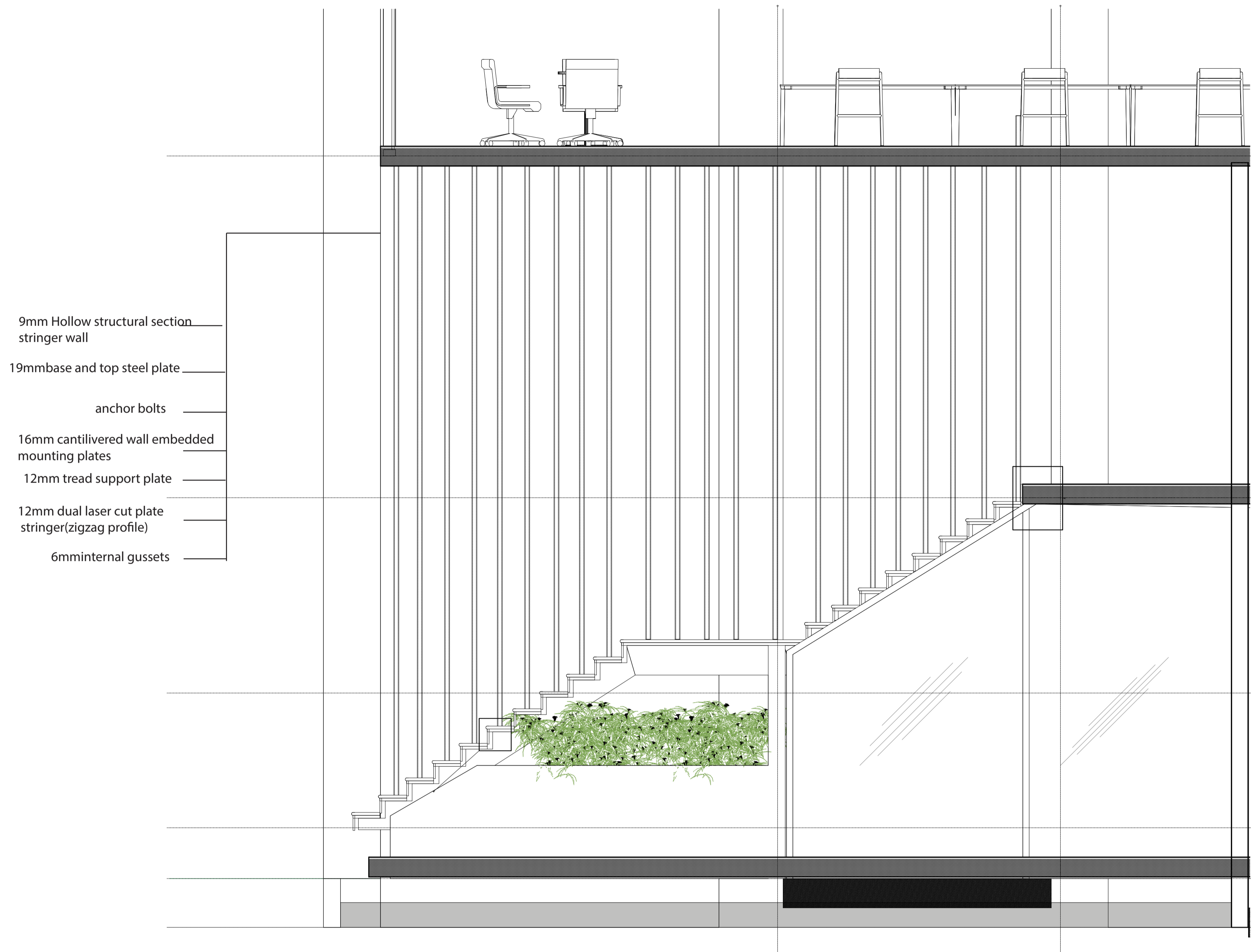
Steel T-bars that will support the curved roof which will serve as an open down.

A curved strip foundation to transfer the load to the ground from the vertical ribs.

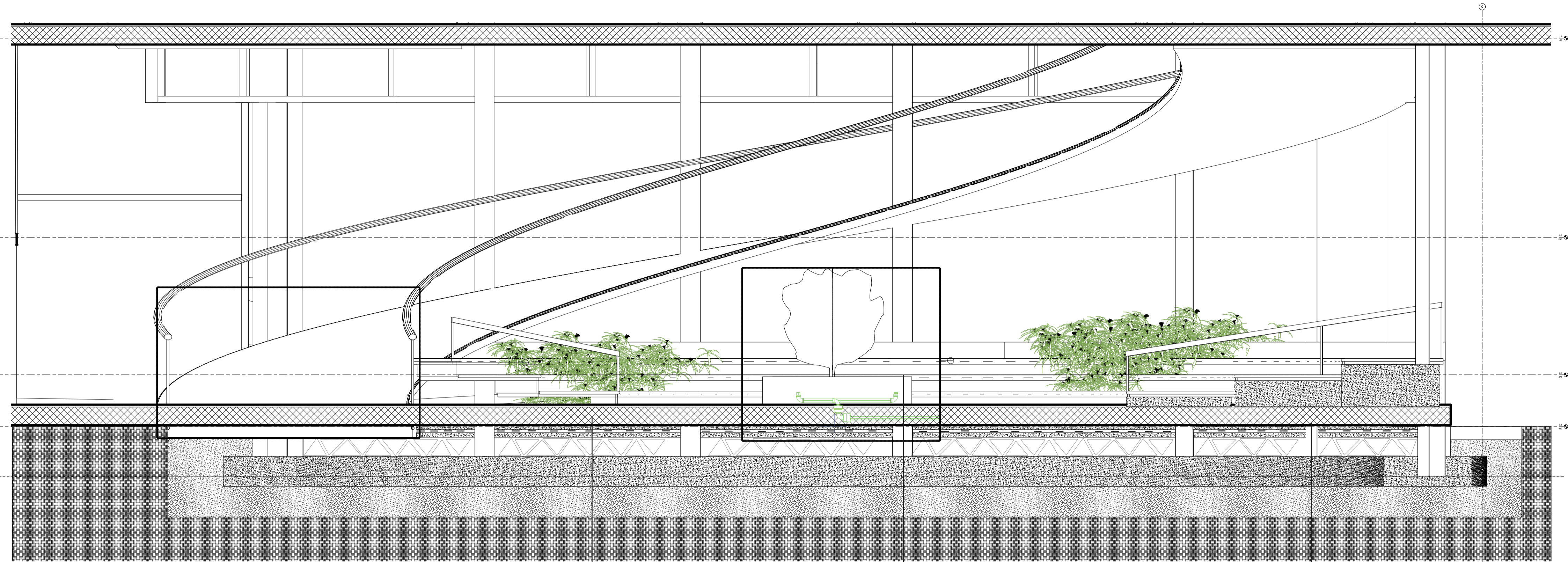


The small windows at the top of the walls area designed in a way that it will create a shadow light impact on the arts hanged on the wall under them.

Second entrance stair



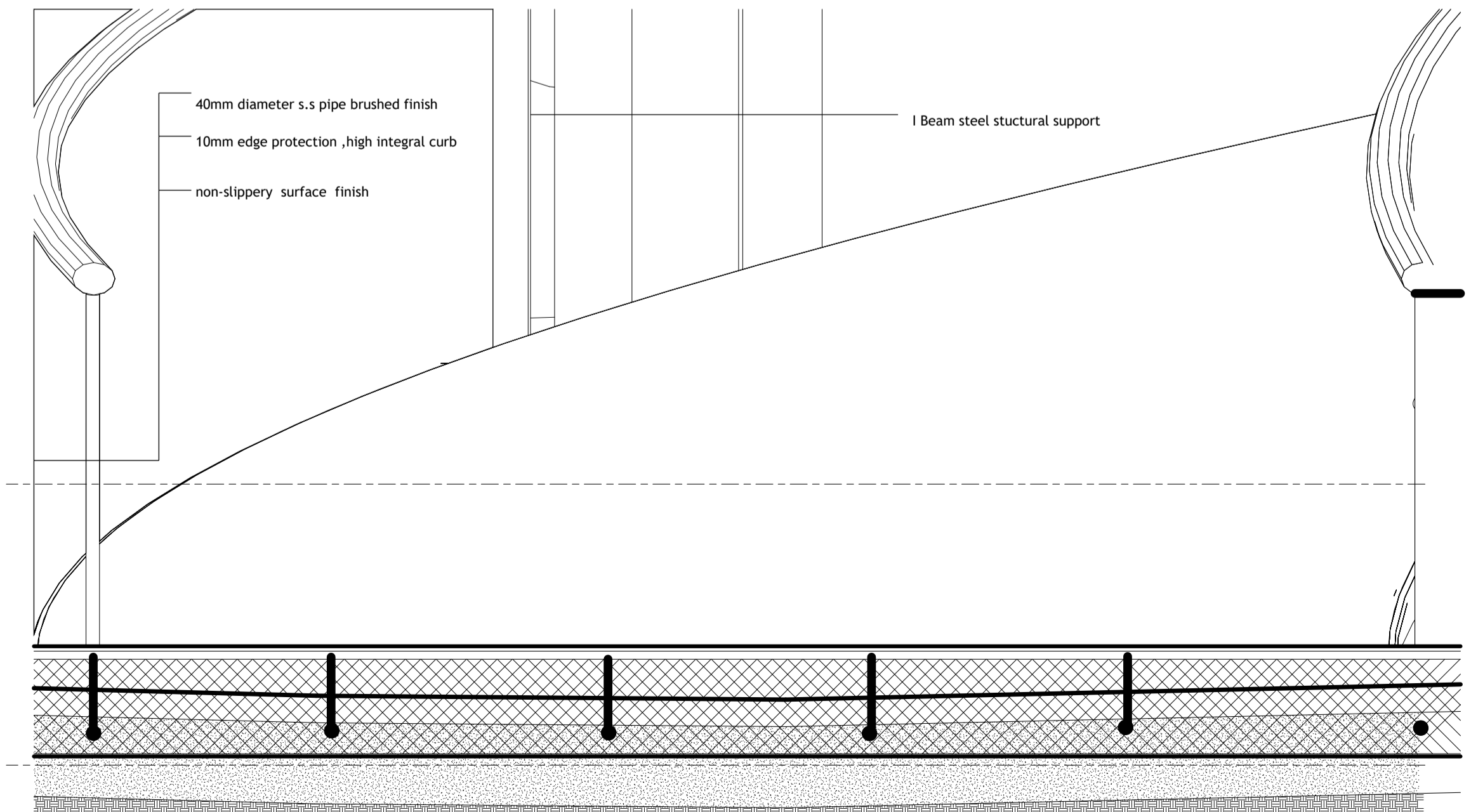
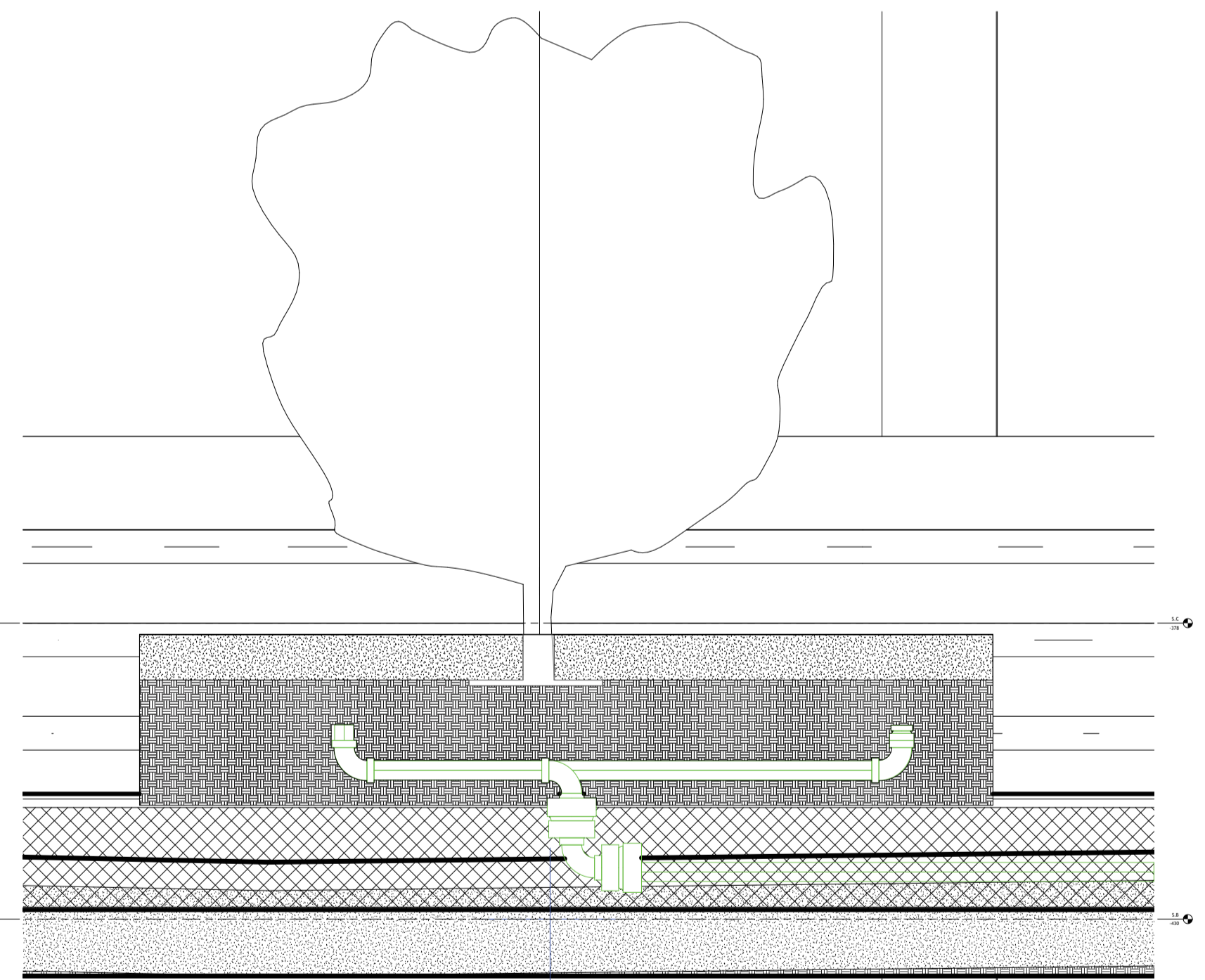
Ground Floor slab detail



- 2mm epoxy floor finish
- 15cm concrete slab
- 50mm len concrete cover
- 4mm DPM
- 50mm len concrete cover
- 200mm Hardcore with blinding
- 300mm selected fill
- compacted earth

- 400mm soil fill
- 100mm diameter perforated water pipe
- 15cm concrete slab
- 50mm len concrete cover
- 4mm DPM
- 50mm len concrete cover

- I-steel column
- base plate
- Non-shrink Grout
- Anchor bolt



Door, Window schedule

<p>750mm 2900mm ELEVATION</p>	<p>900mm 2900mm ELEVATION</p>	<p>1200mm 2900mm ELEVATION</p>
Name: D1	Name: D1	Name: D1
Size :750*2900mm	Size :900*2900mm	Size :1200*2900mm
Type: Flush Wooden	Type: Flush Wooden	Type: sliding
Quantity: as relevant to the building	Quantity: as relevant to the building	Quantity: as relevant to the building

<p>800mm 300mm ELEVATION VIEW</p>	<p>300mm 3000mm ELEVATION VIEW</p>	<p>1400mm 900mm ELEVATION VIEW</p>
Name:w1	Name:w2	Name:w3
Size: 800mm*300mm	Size: 300mm*3000mm	Size: 1400mm*900mm
Material clear glass	Material clear glass	Material :pyrolytic reflective glass
Quality: as relevant to the building	Quality: as relevant to the building	Quality: as relevant to the building



PHYSICAL MODELS

