Experimental Puppetry Arts Center
Stara Zagora

Concept

The main concept of the project is to maximize the building functionality, feasibility, sustainability and aesthetics through a modern precise functional program that separate between the needs of the different users yet allowing the different integration between them by carefully distributing the main functional zones along the land plot horizontally and vertically considering the spatial program for each.

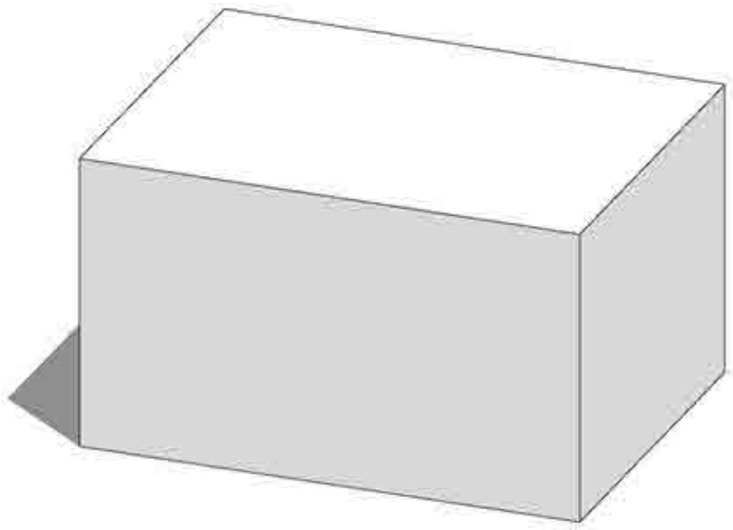
The building itself is considering the specific area for each zone with no unnecessary waste of spacing.

For the sustainability issues the building is totally self-serving almost 90% of its site loss making a best eco-footprint with the possibility of making a green wall building which also reduces the carbon emission.

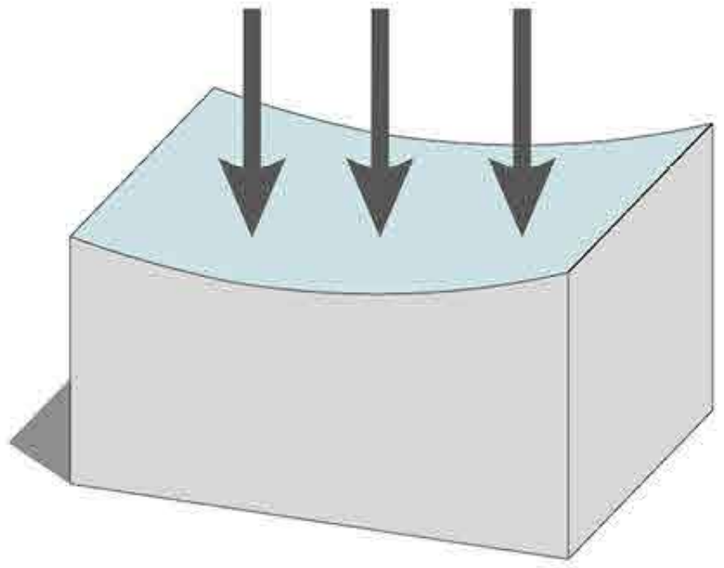
The using of [illegible] helps in lowering the carbon footprint [illegible] the main building material of the [illegible] spaces [illegible] the cladding materials.

[illegible] proposed [illegible] to create a junction on [illegible] the [illegible] between the [illegible] poetry and [illegible] with a distinct presence [illegible] the [illegible] itself is harmonious with the urban [illegible] [illegible] with it creating ingcontext.

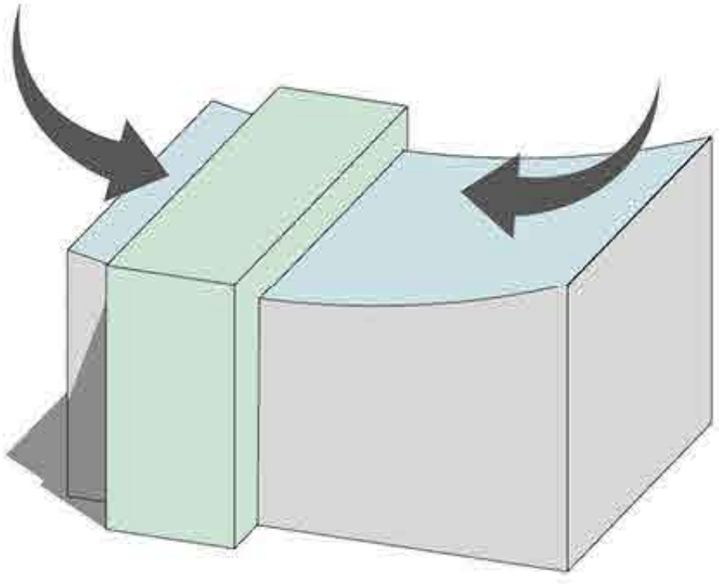
Form Generation



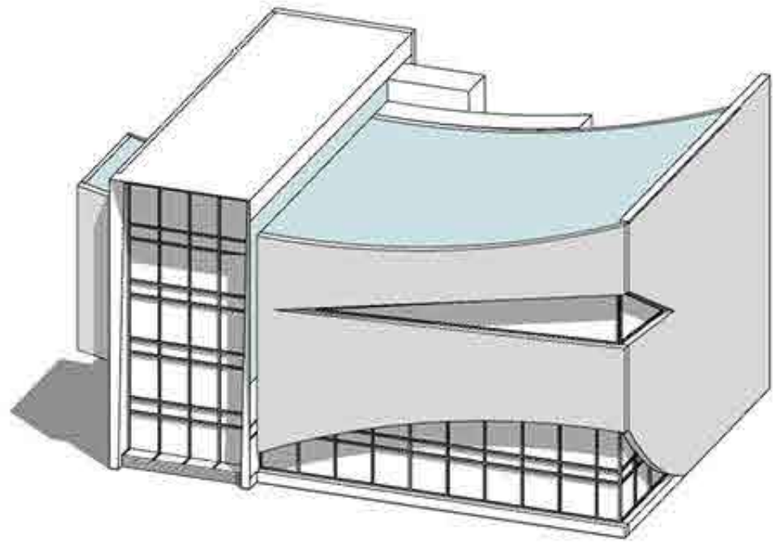
Main Mass



Bending the mass at the Z axis

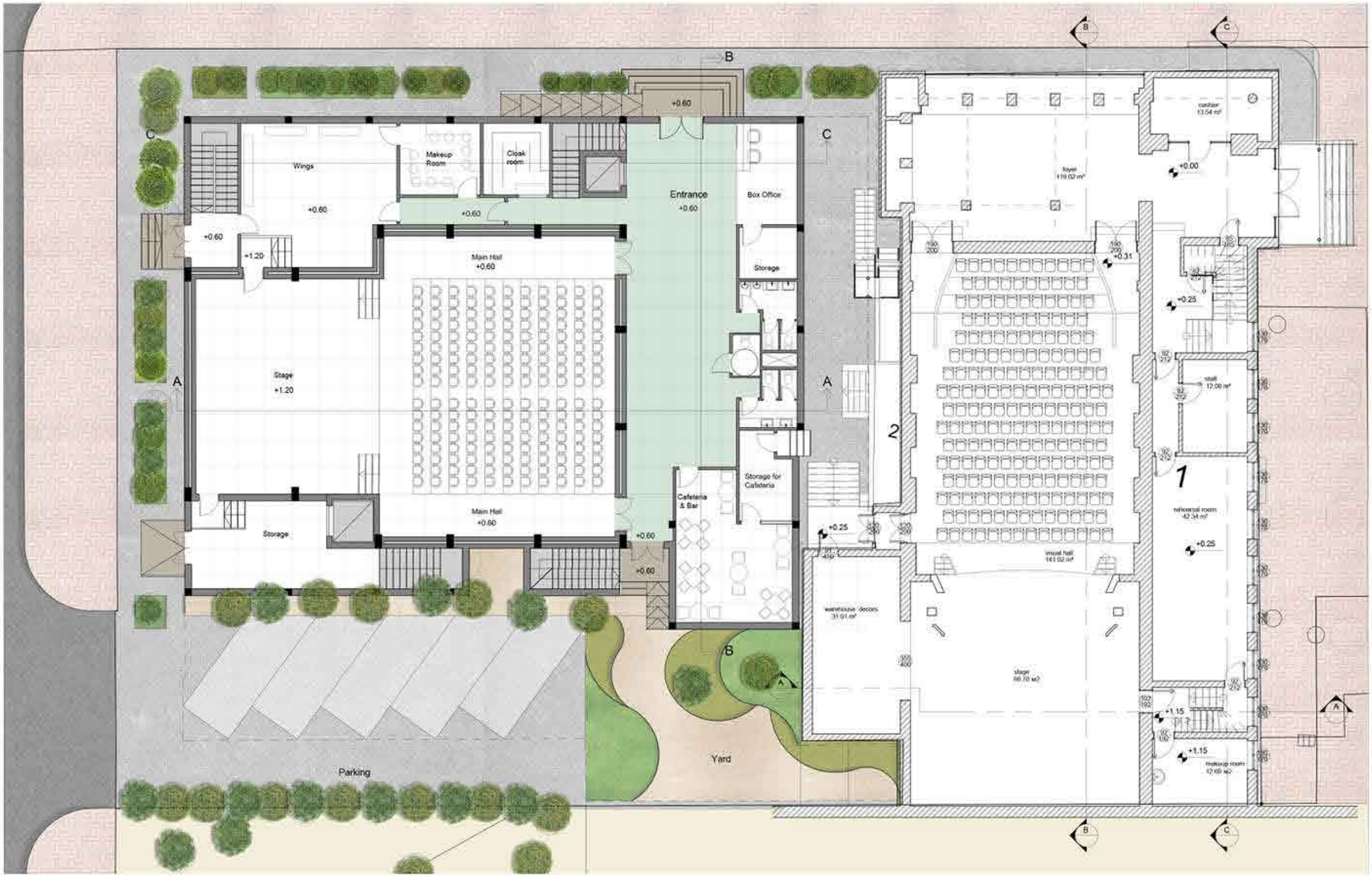


Spliting the mass into 2 masses by projecting the main entrance mass

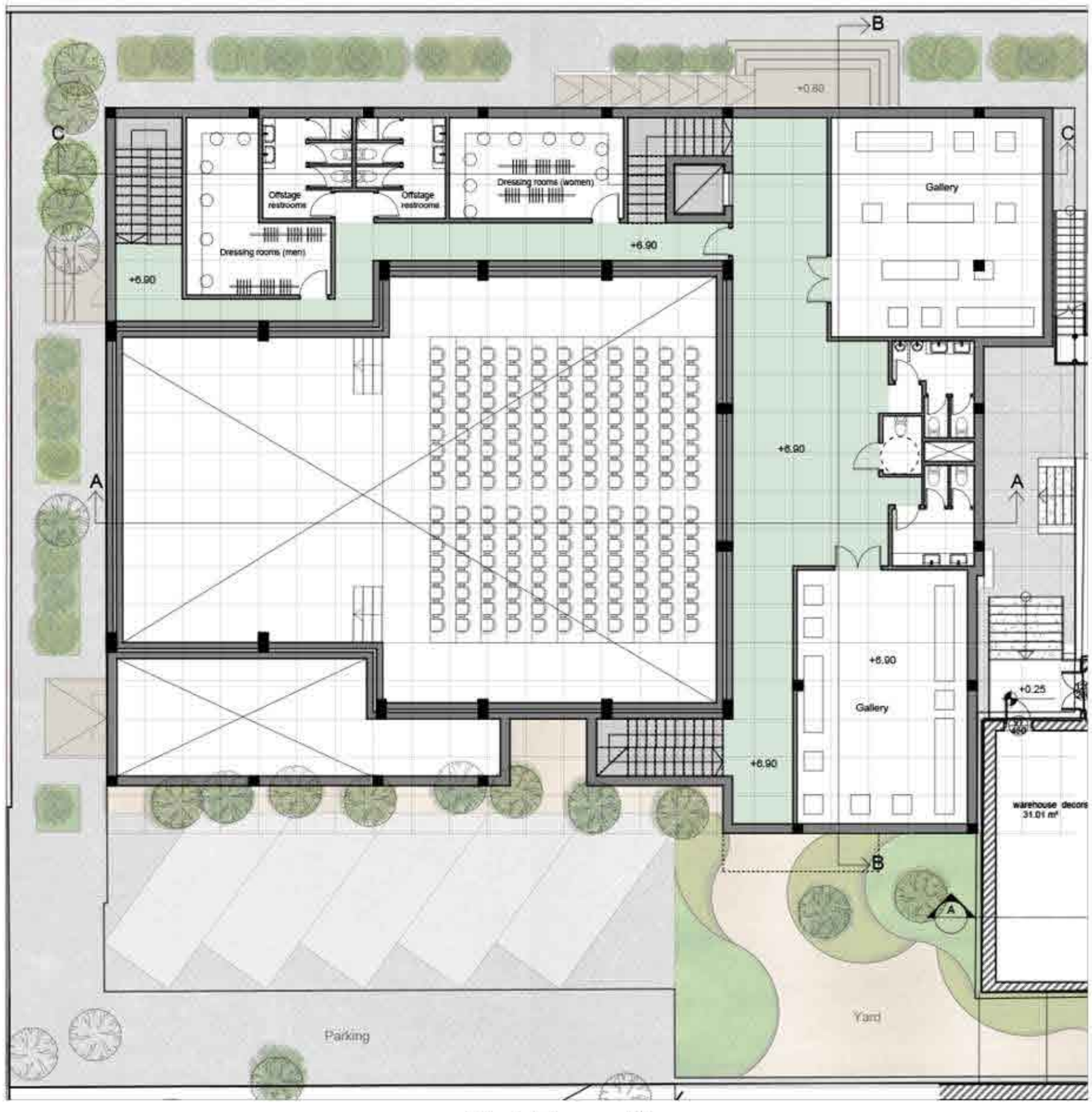


The Final Output

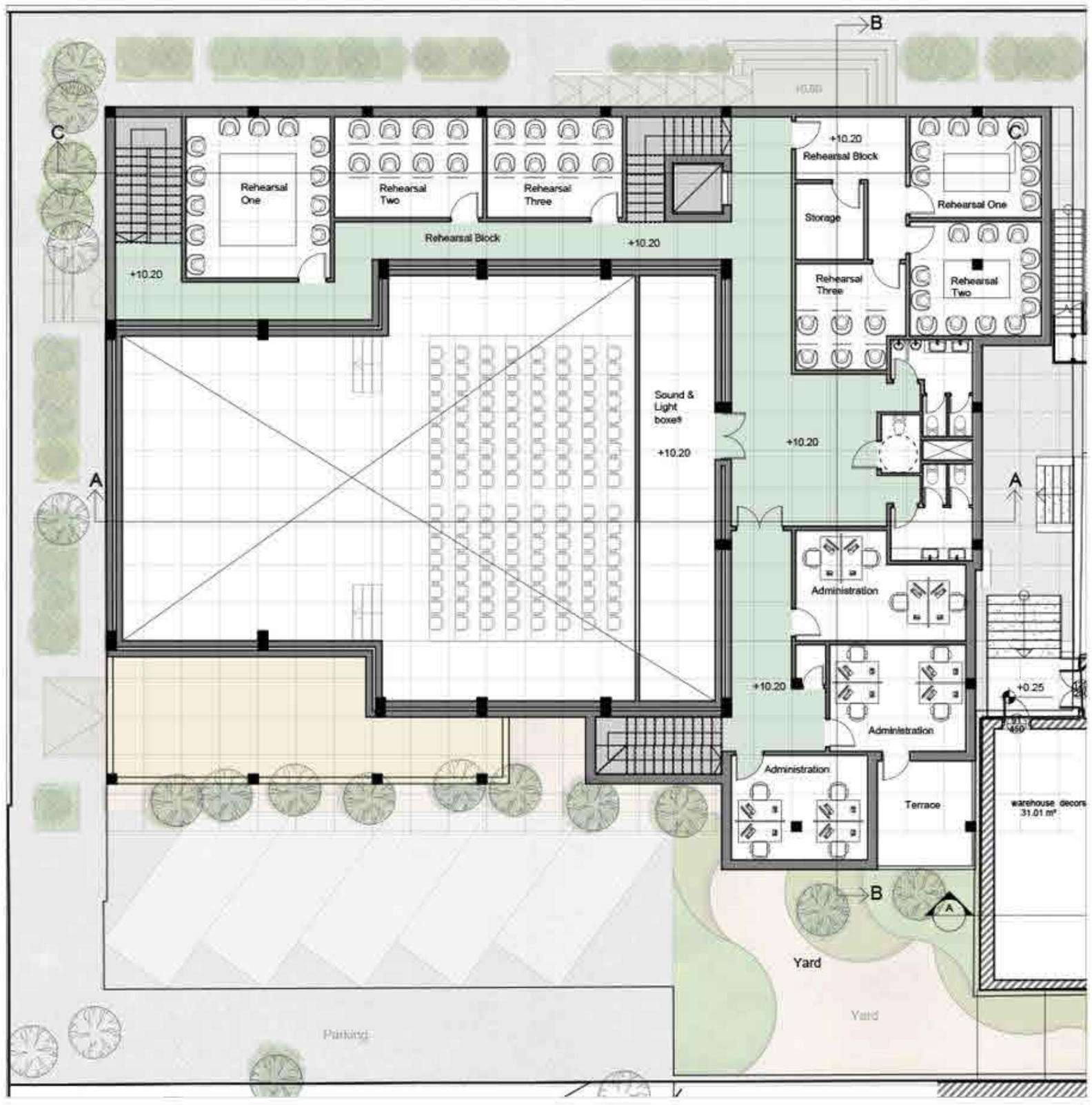
2D Drawings



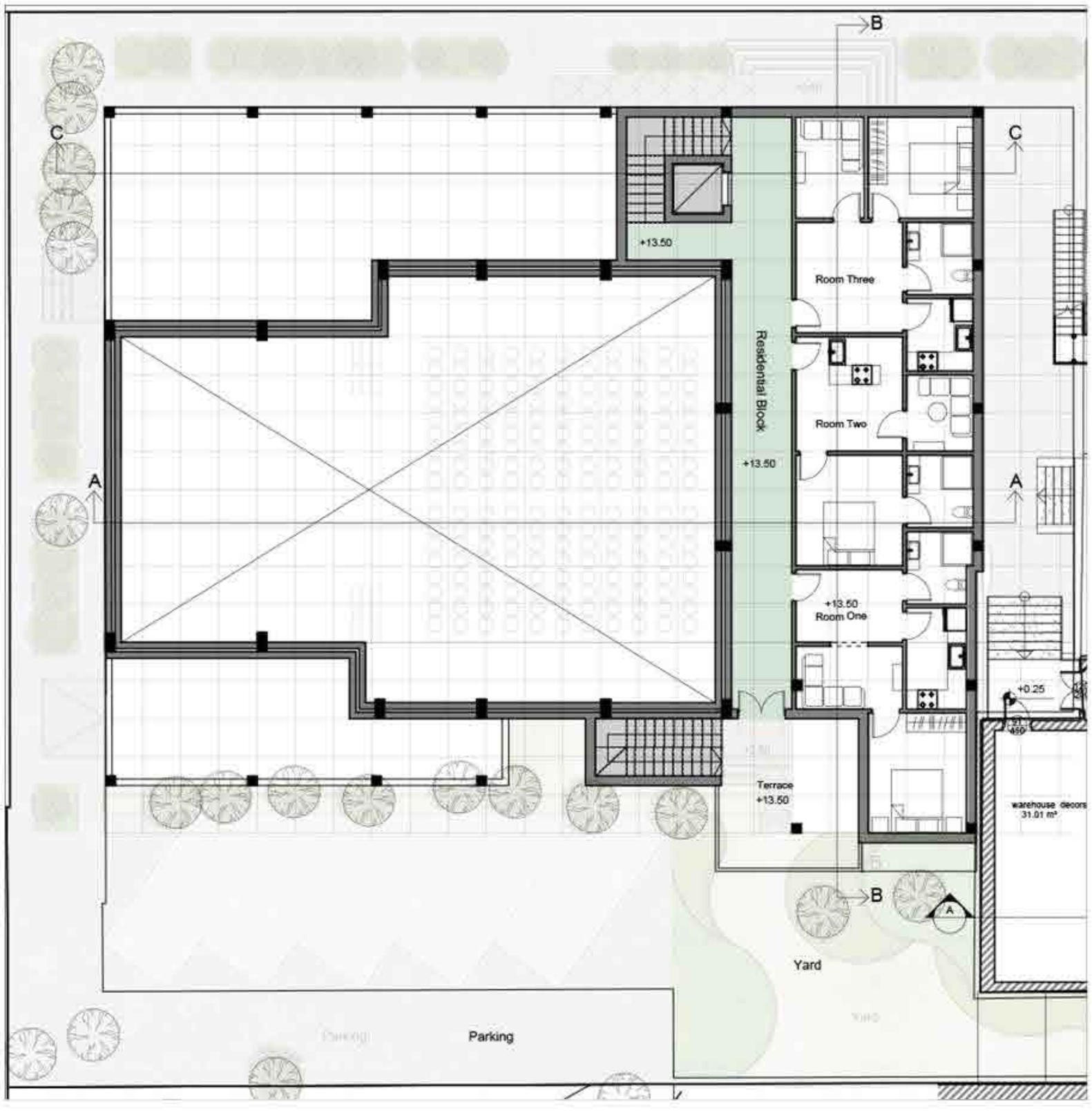
Ground Floor Plan



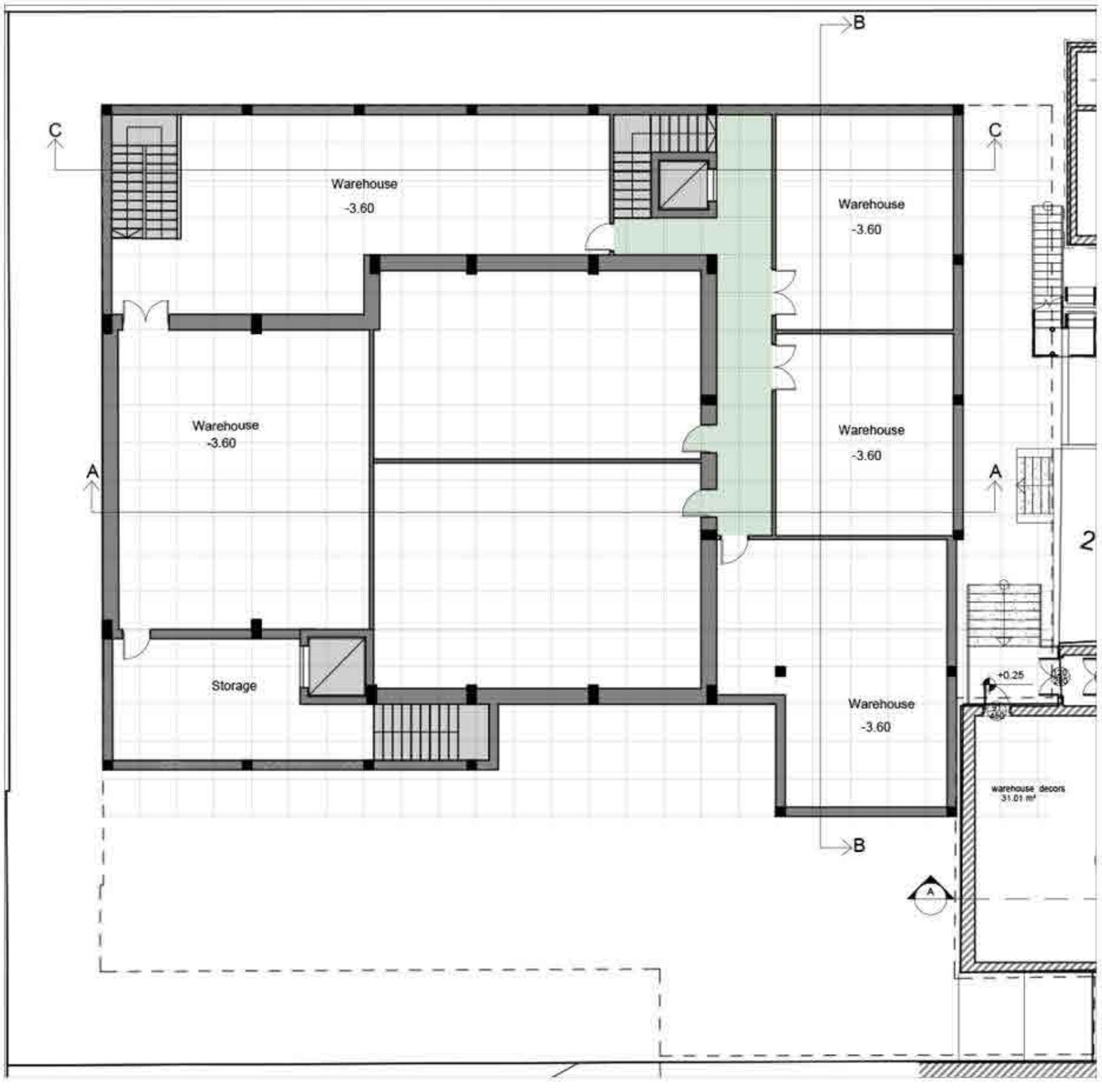
First Floor Plan



Second Floor Plan

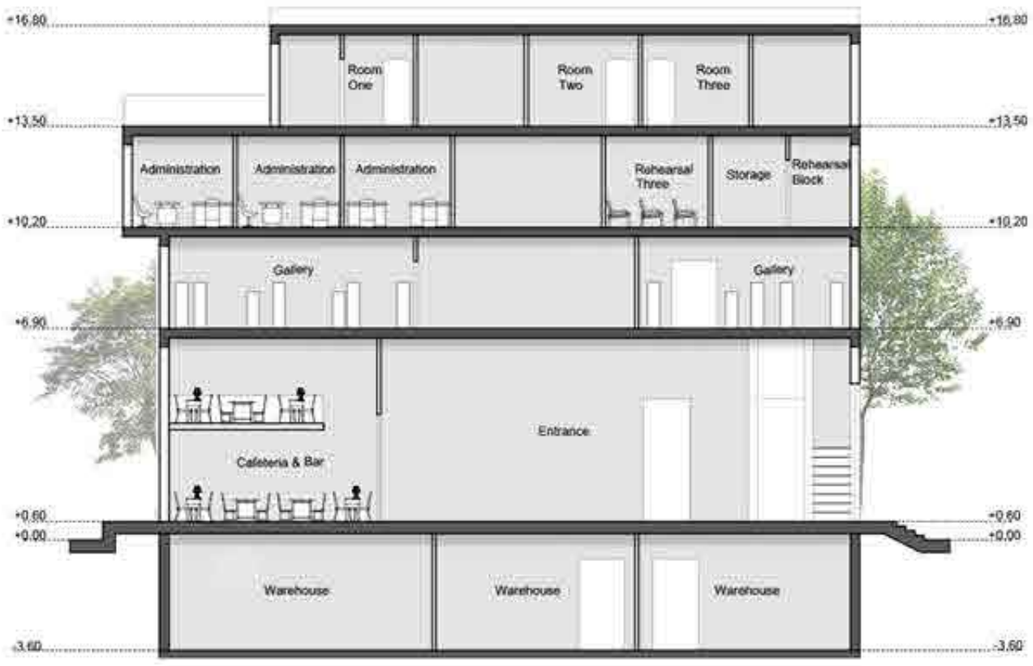


Third Floor Plan

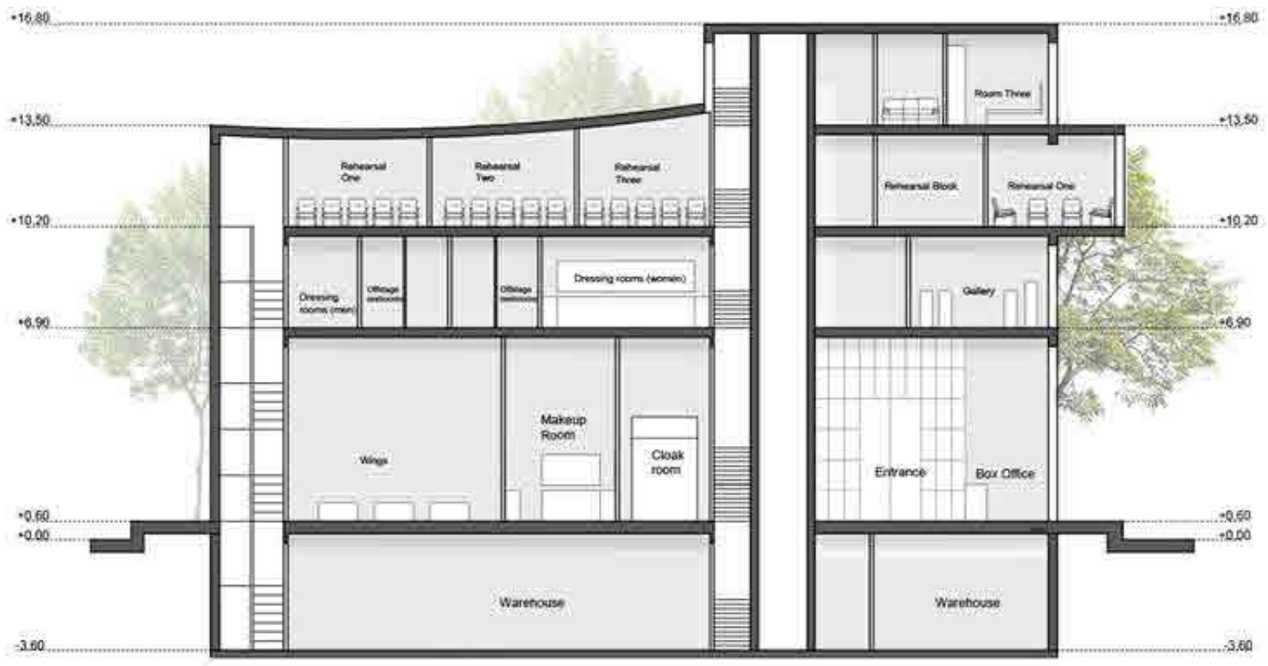


Basement Floor Plan

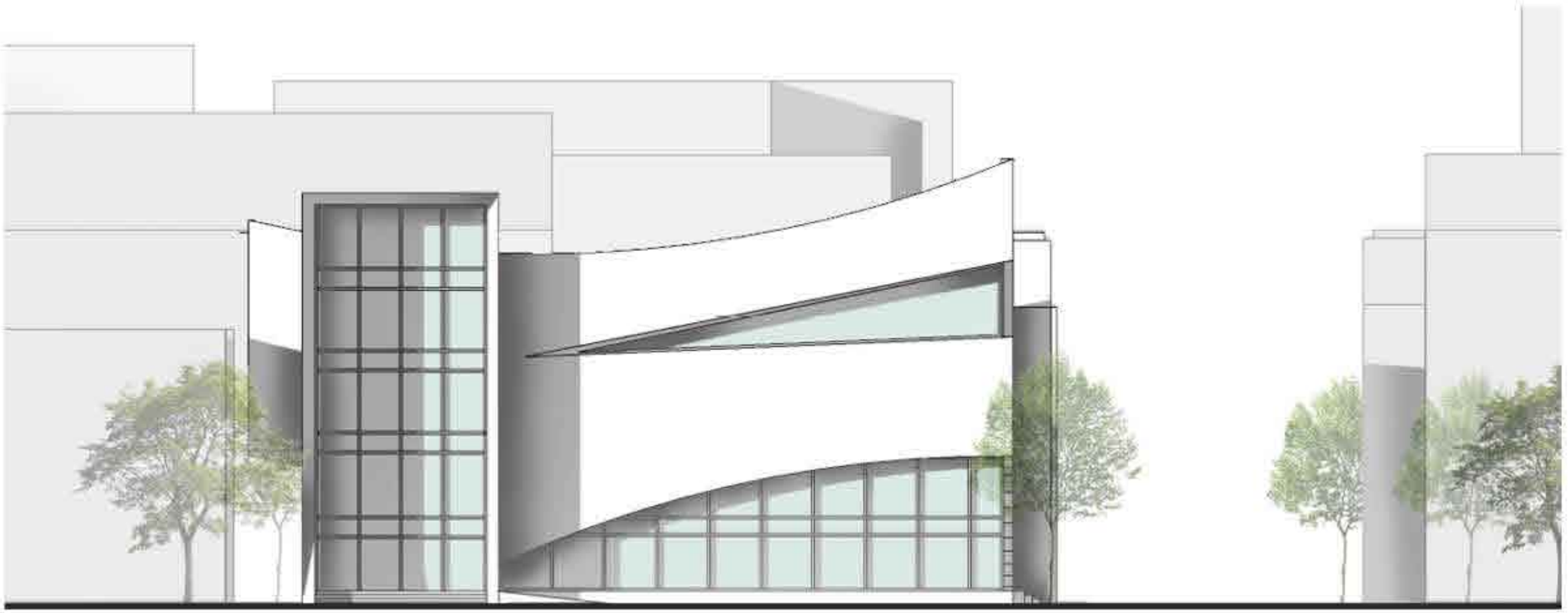
Sec A-A



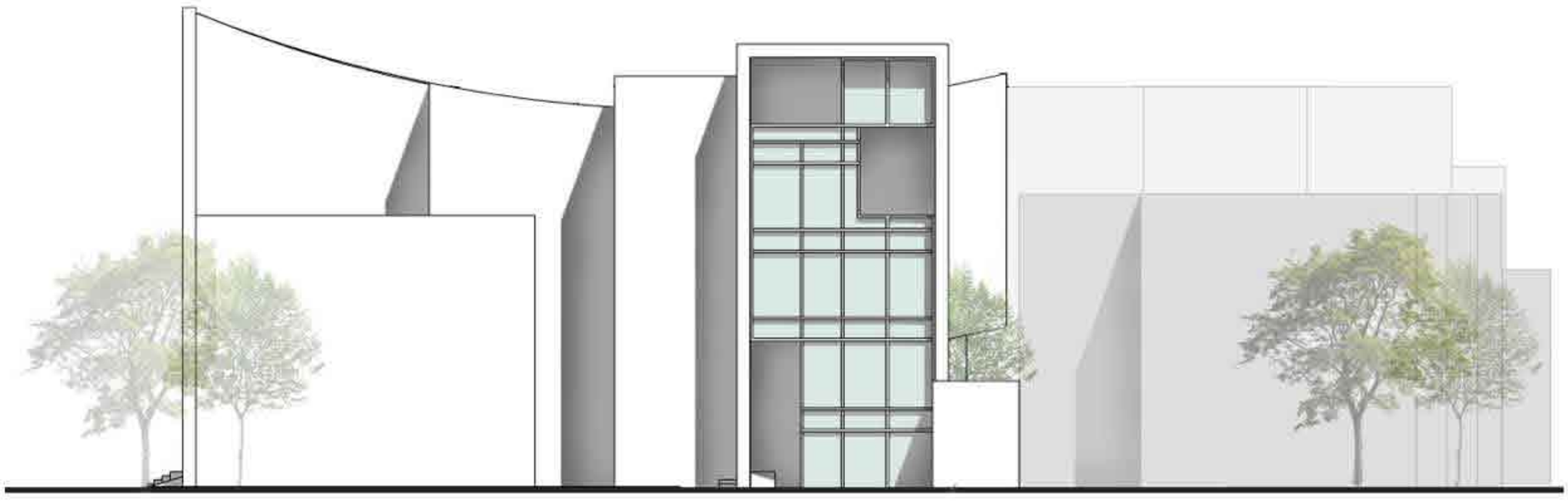
Sec B-B



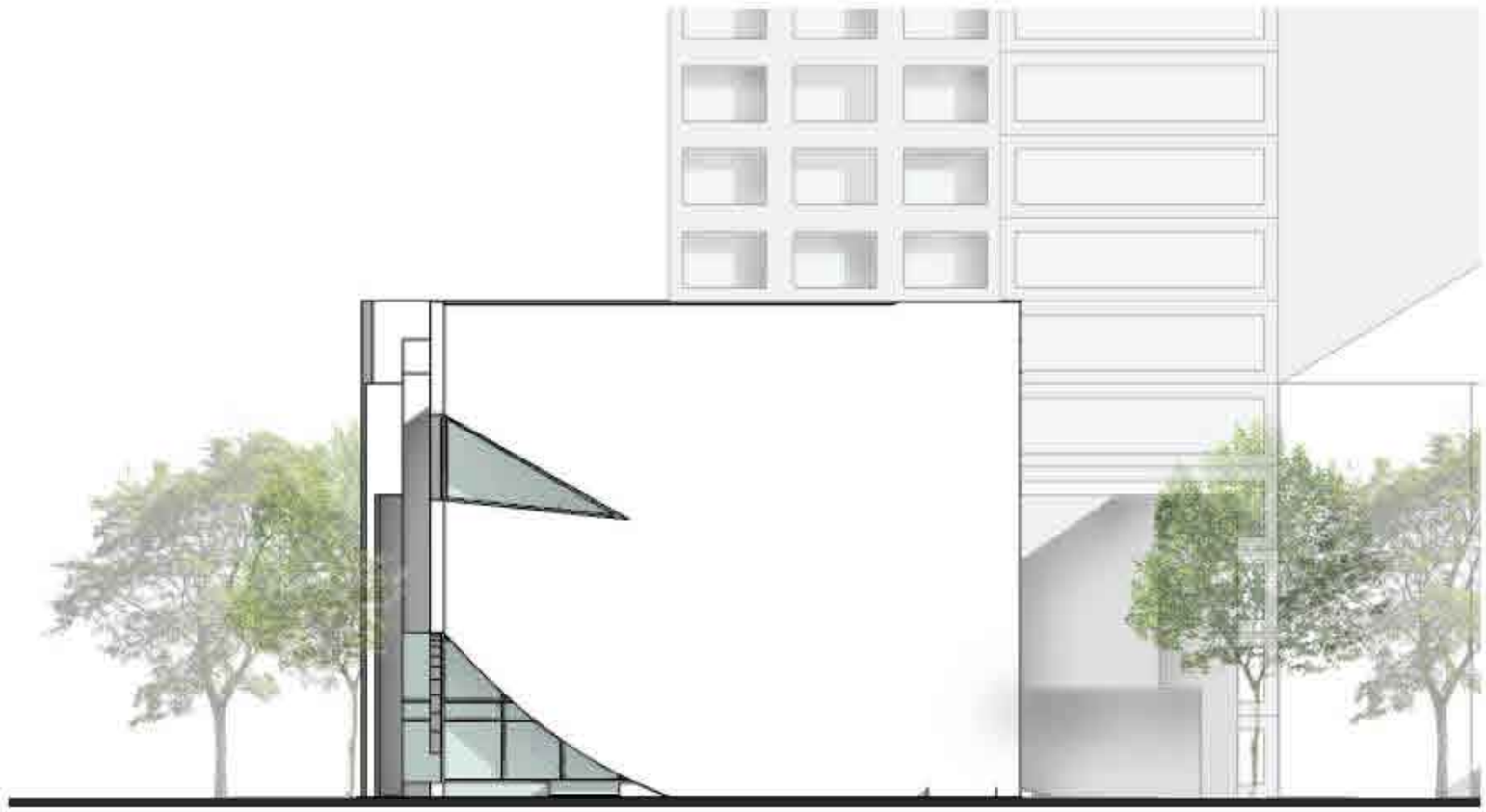
Sec C-C



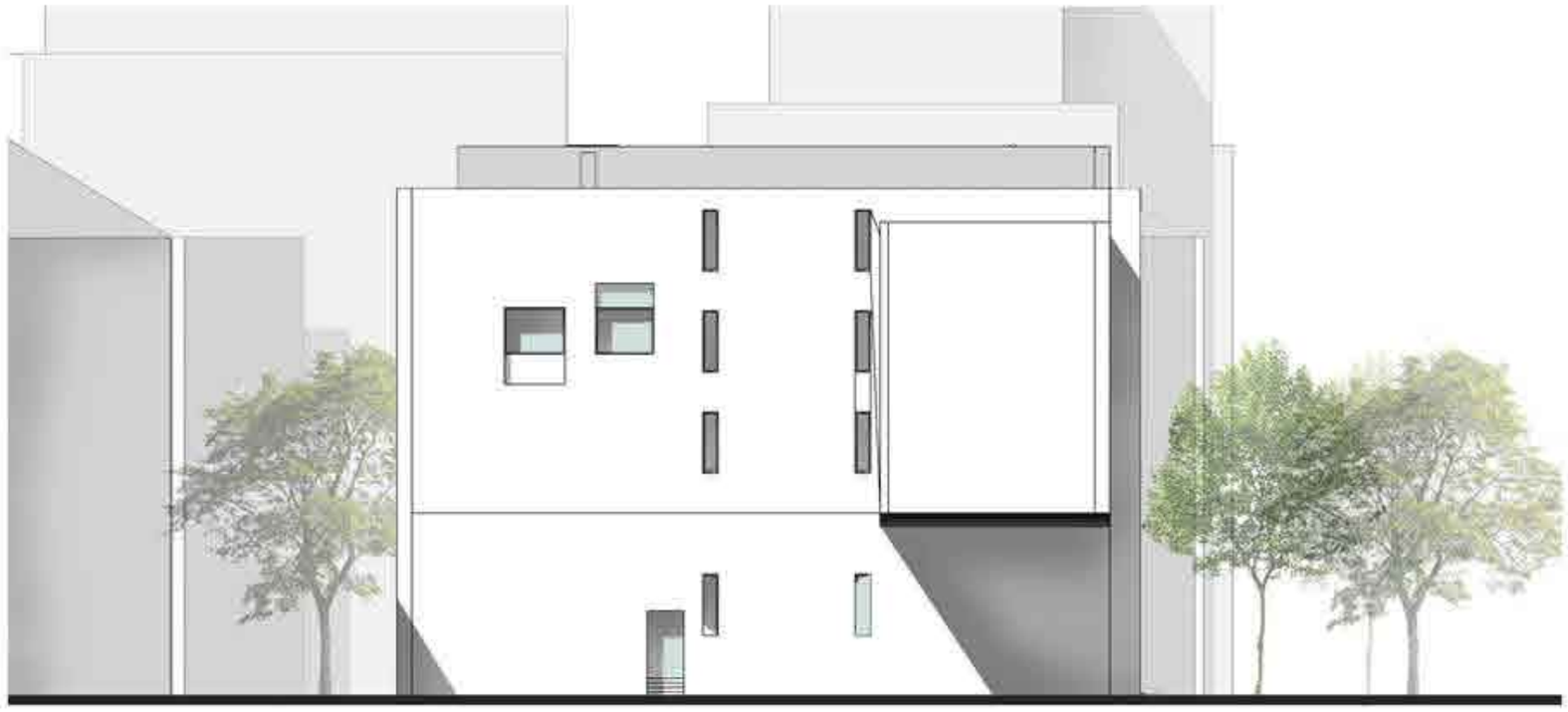
Front Elevation



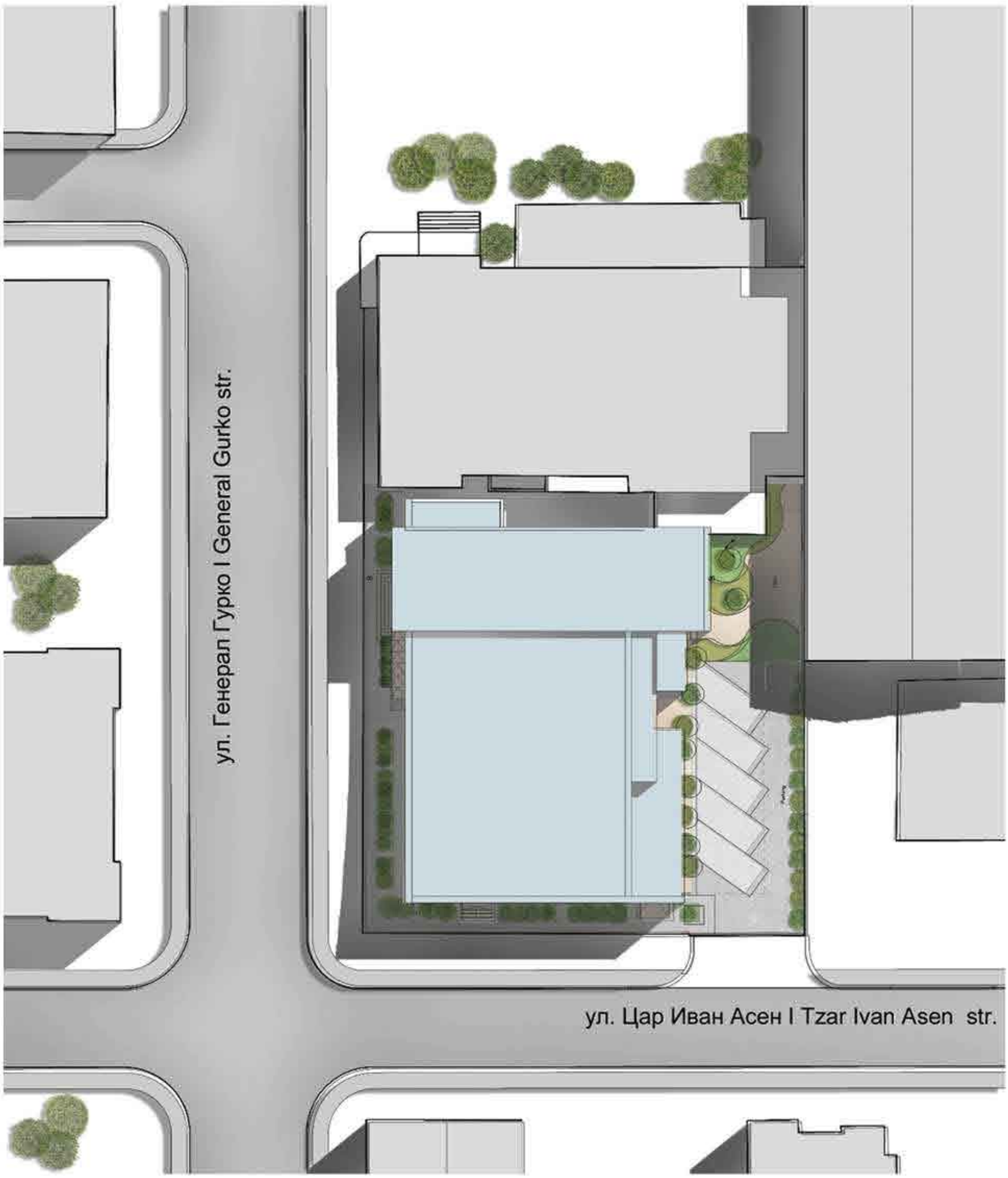
Back Elevation



Side Elevation



Side Elevation


ул. Генерал Гурко I General Gurko str.
ул. Цар Иван Асен I Tzar Ivan Asen str.

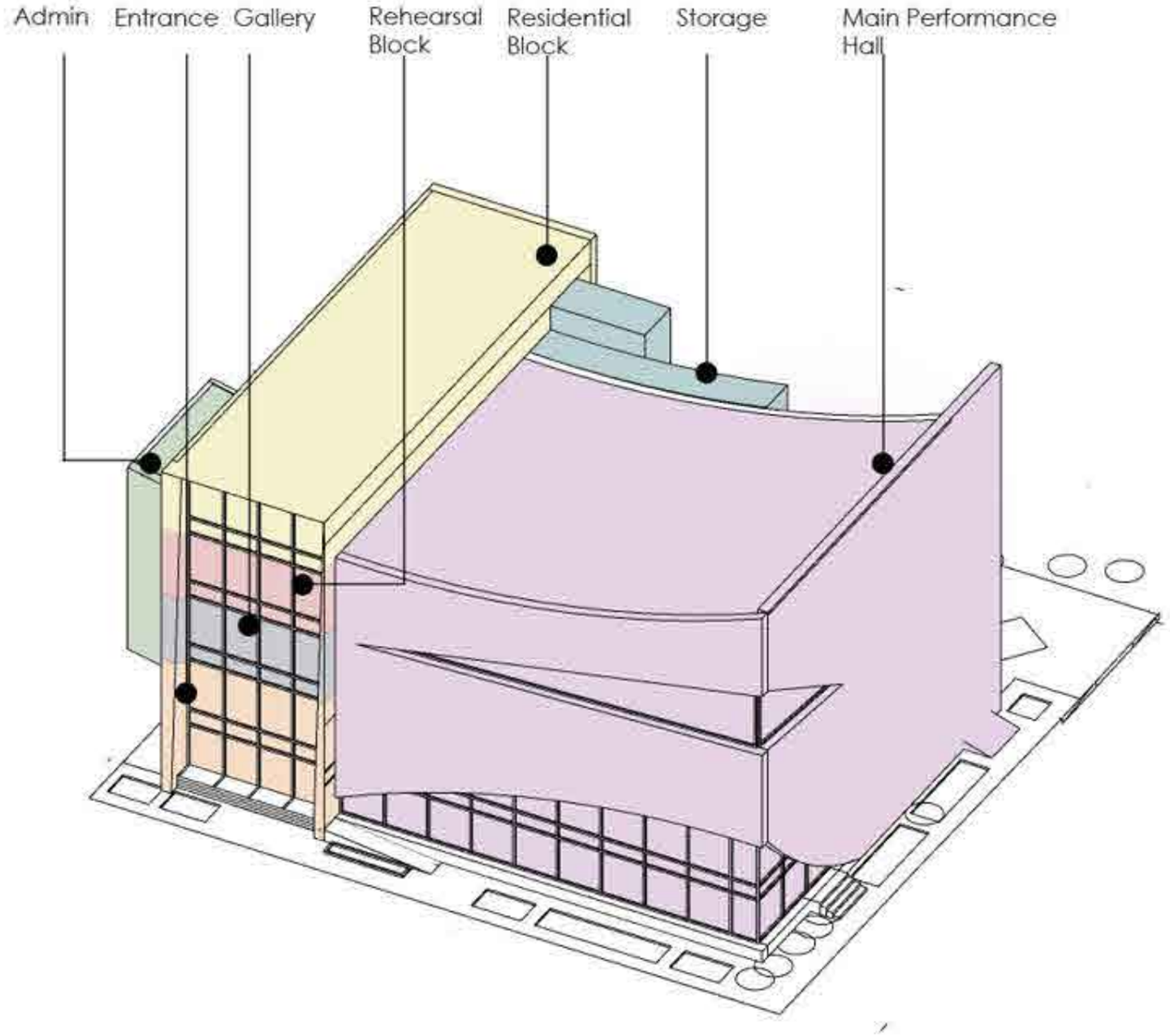
Exterior Shots

Area Breakdown

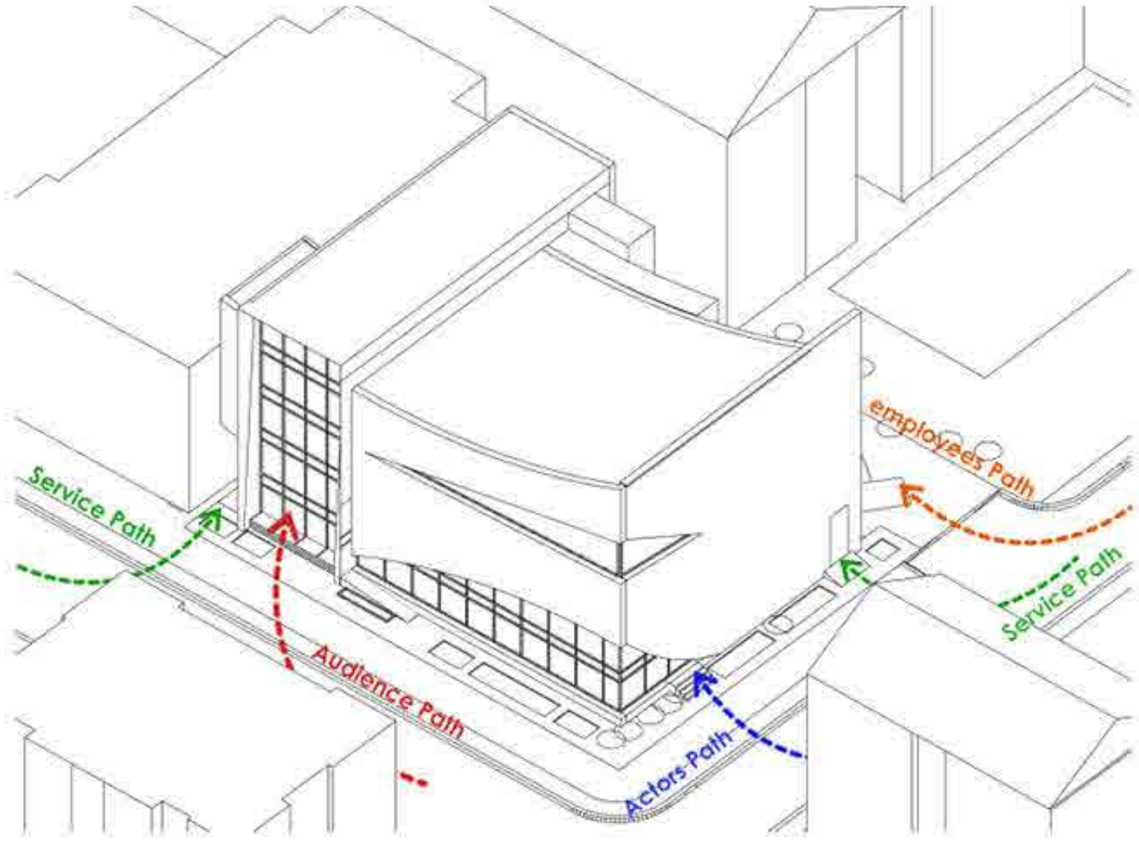
Ground Floor		
Space	Area/ m2	Required Area
Entrance Zone	82	
Welcome desk & box office	14	2 workstation
storage	7	5 m2
cloak room	12	up to 200 visitor
restrooms	18	
cafetria & bar	35	
storage for cafetria	10	6 m2
main performance hall	250	200 audience
wings	37	20 m2
makeup room	14	
storage	40	30-40 m2
Circulation	66	
Ground Floor Total	585	
First Floor		
Gallery 1	48	
Gallery 2	45	
Dressing Rooms Women	21	20
Dressing Rooms Men	21	20
Offstage rest rooms for actors	22	20
restrooms	18	
Circulation	80	
First Floor Total	255	
Second Floor		
Rehearsal Space	122	120
Adminstraion	48	36 minimum
Sound and light boxes	10	5
Technical booth	22	20
restrooms	18	
Circulation	90	
Second Floor Total	310	

Third Floor		
Residential Block	110	80
heater room	20	25
Circulation	70	
Third Floor Total	200	
Basement Floor		
Warehouses	480	600
storage	30	
Circulation	90	
Basement Floor Total	600	
Total Area	1350	

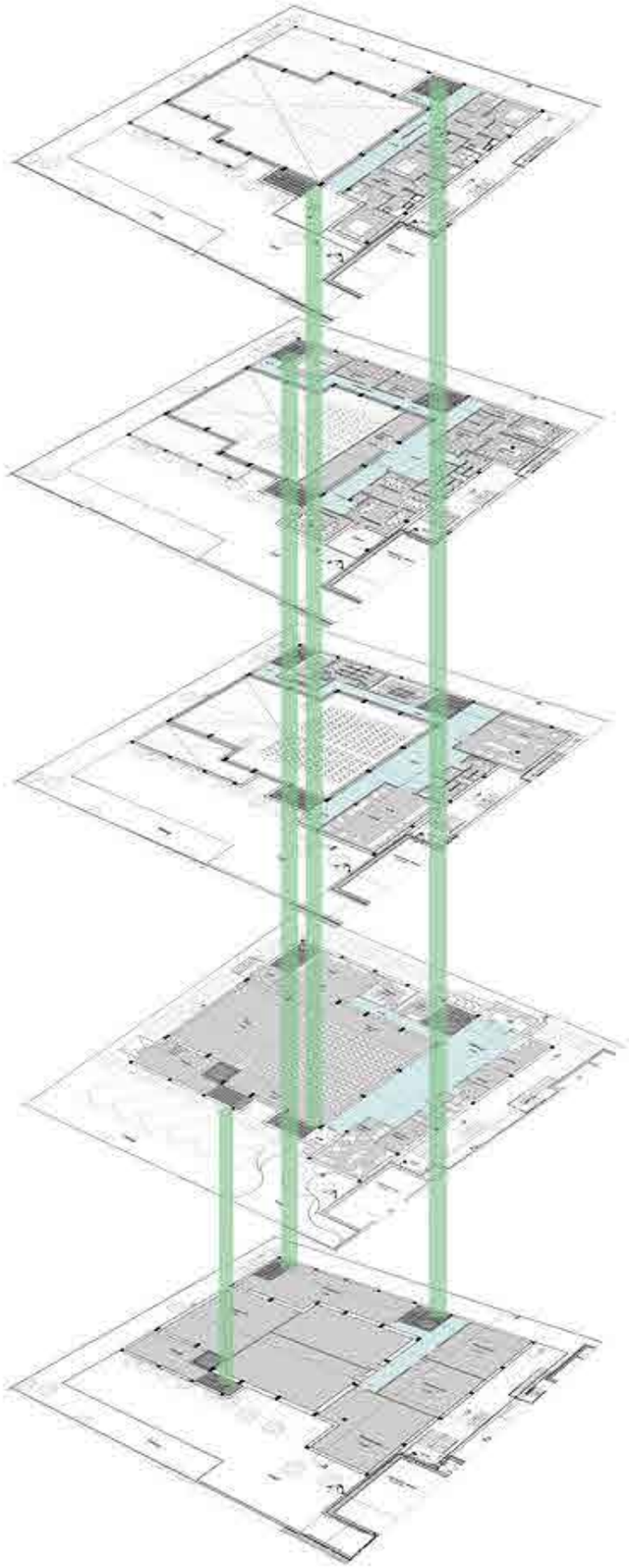
Mass Zoning



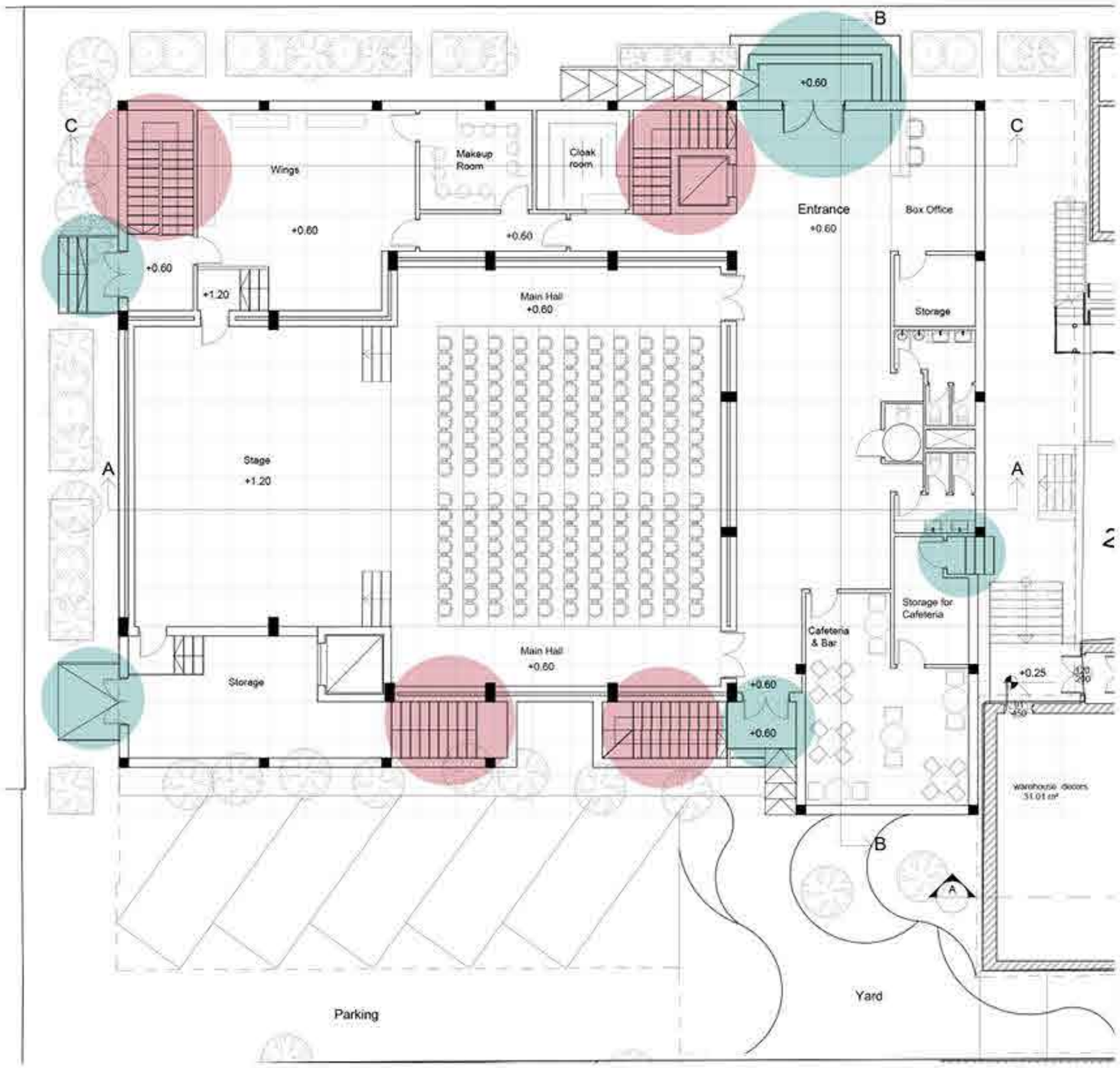
User's Circulation and Entrances



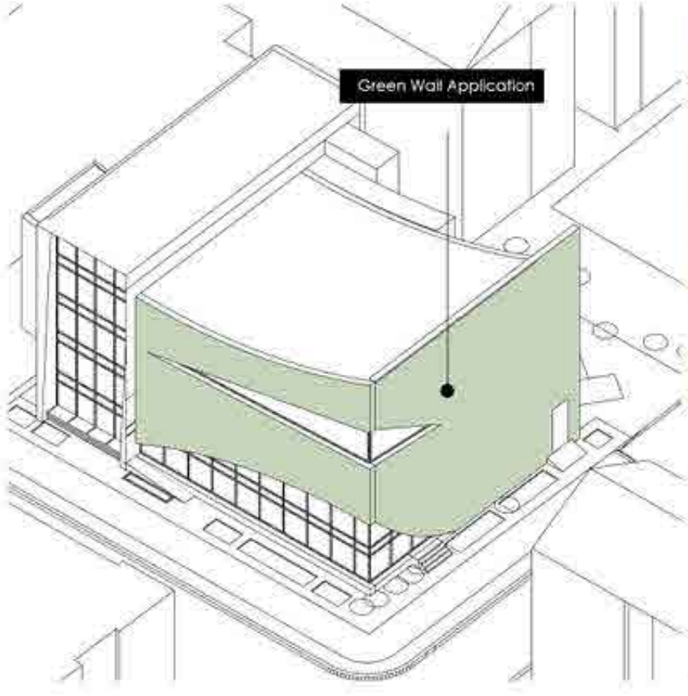
Vertical Circulation



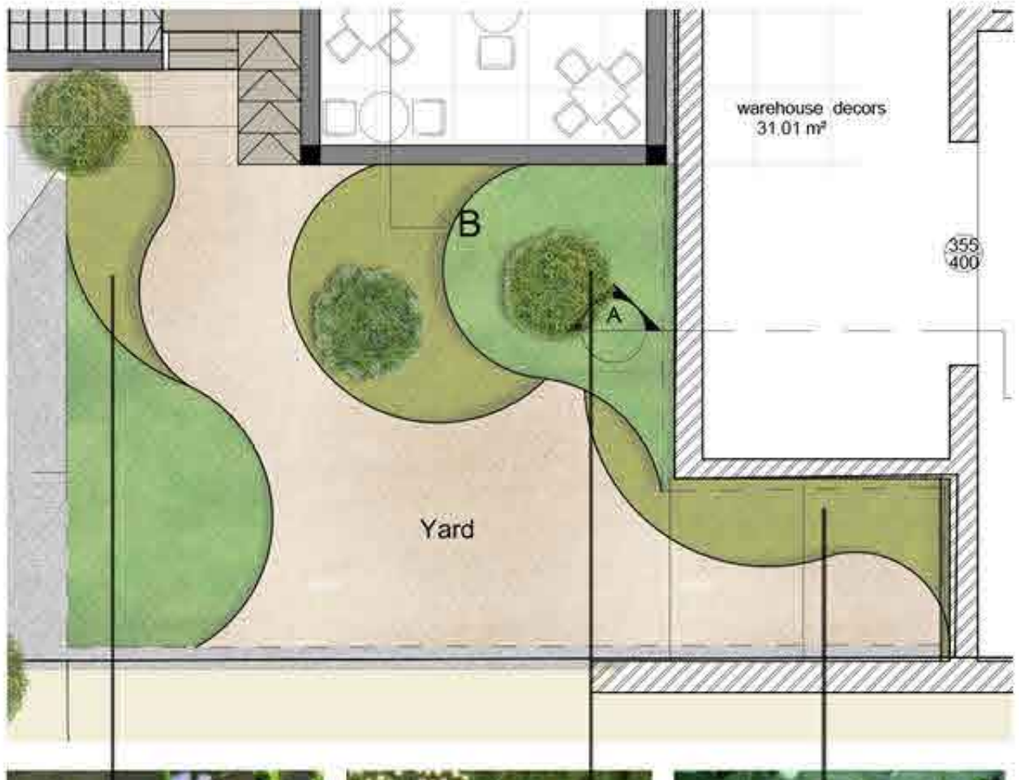
Evacuation Plan



Green Spaces



Plants used in the Softscape



Common Chicory

Common yarrow

English Ivy

Flaming Katy

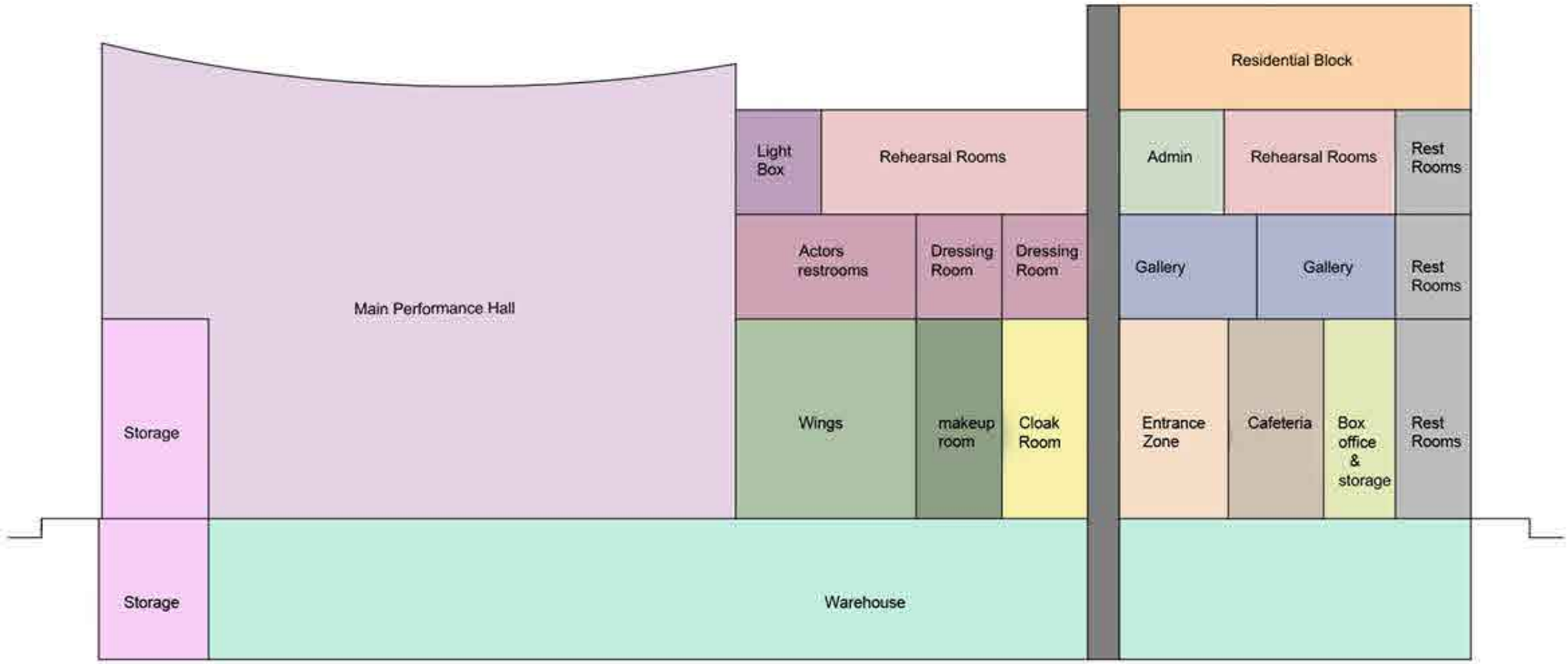
Common Lilac

European mountain ash

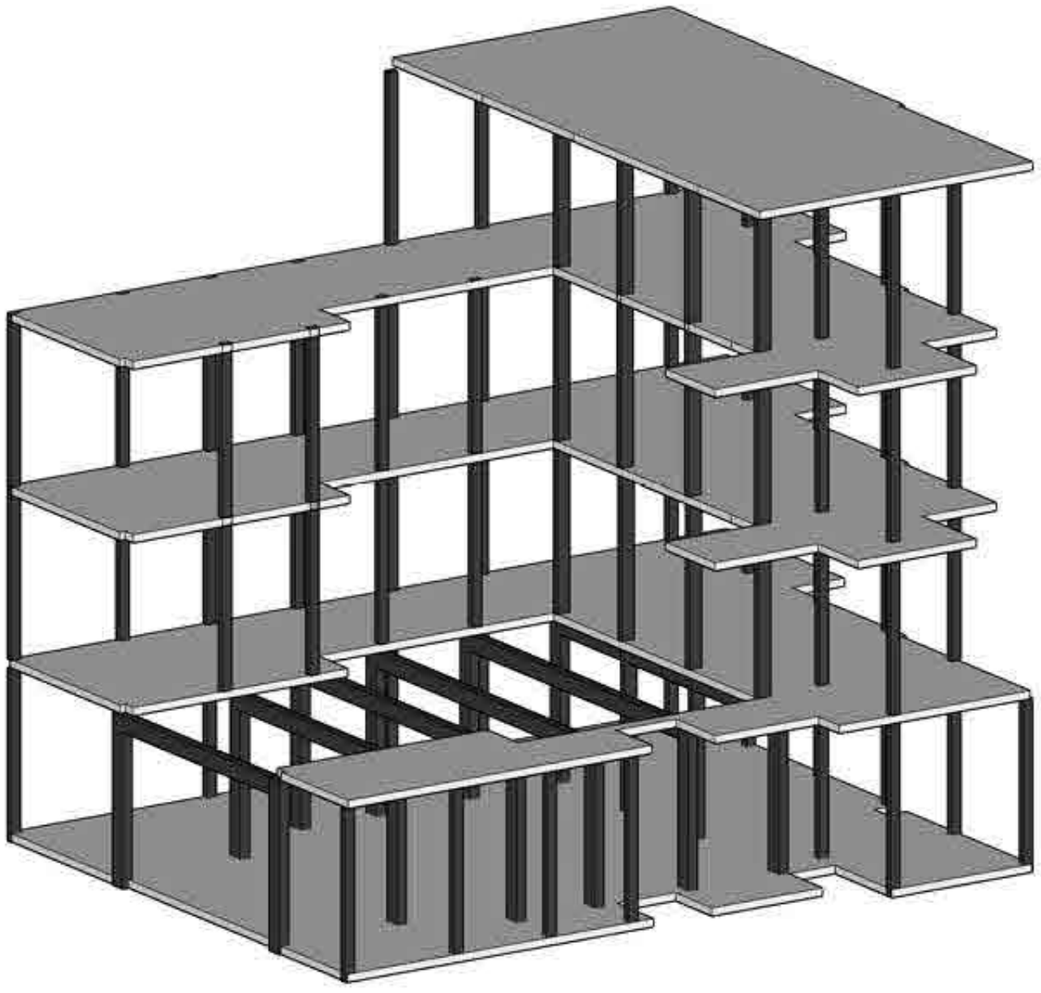
Ladys's bedstraw

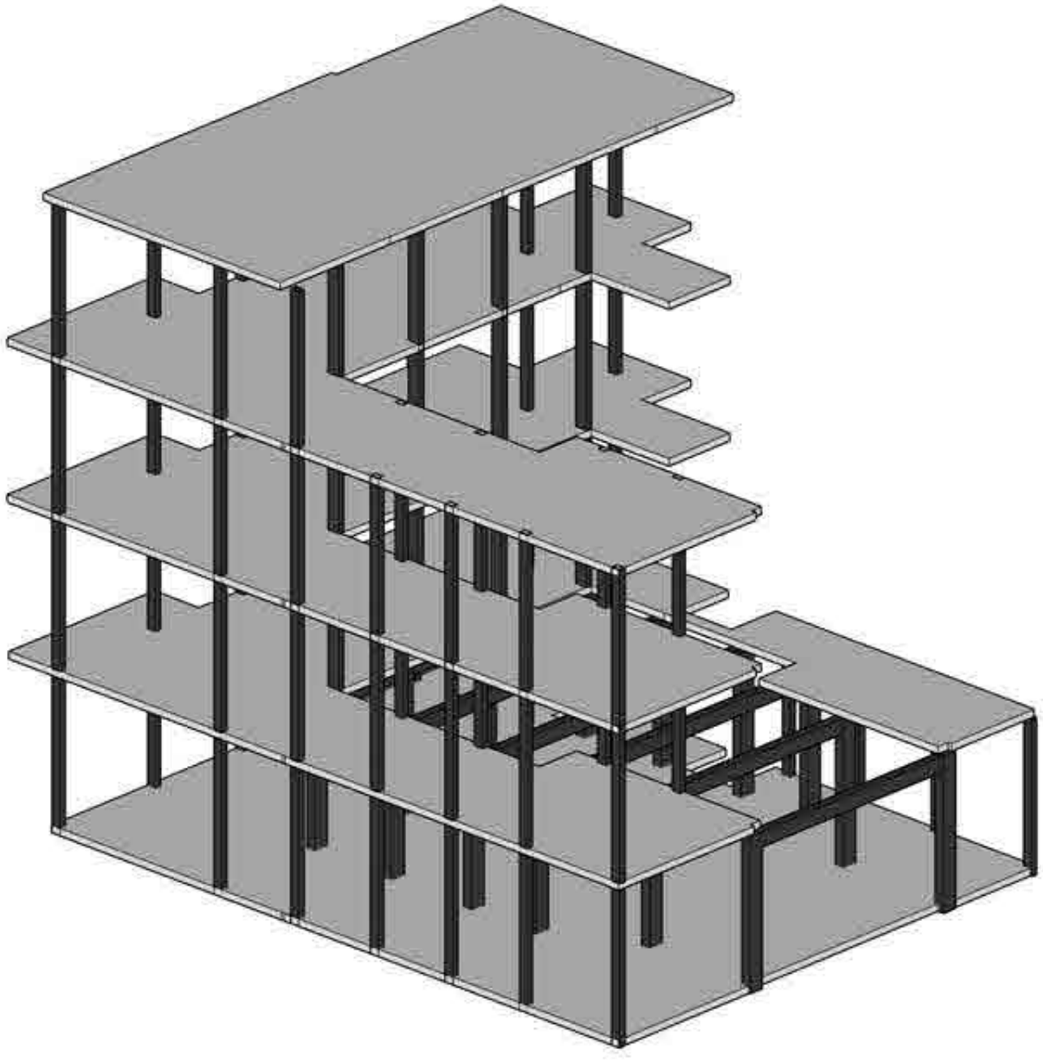
Greater Celandine

Stacking Diagram



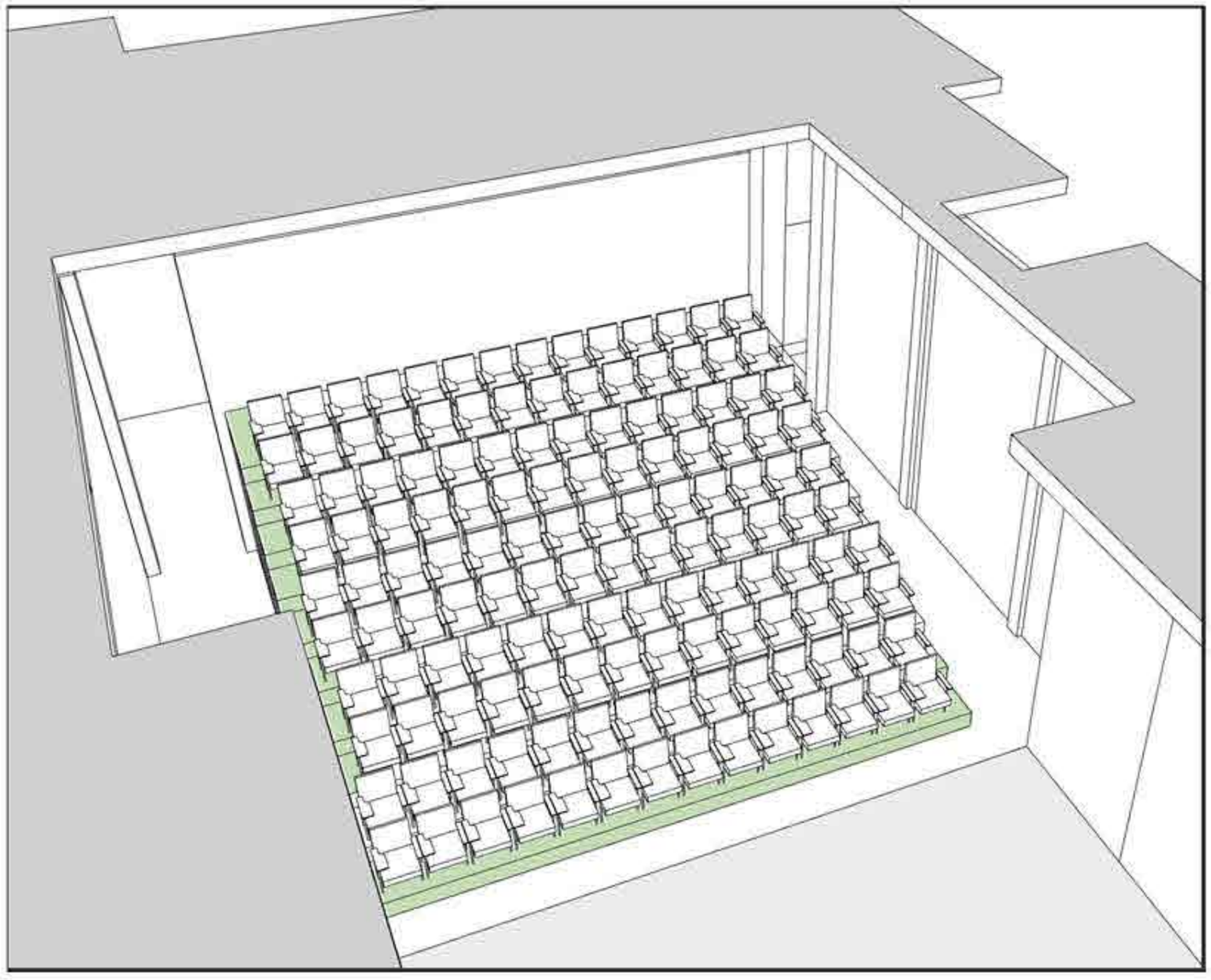
Structure Analysis

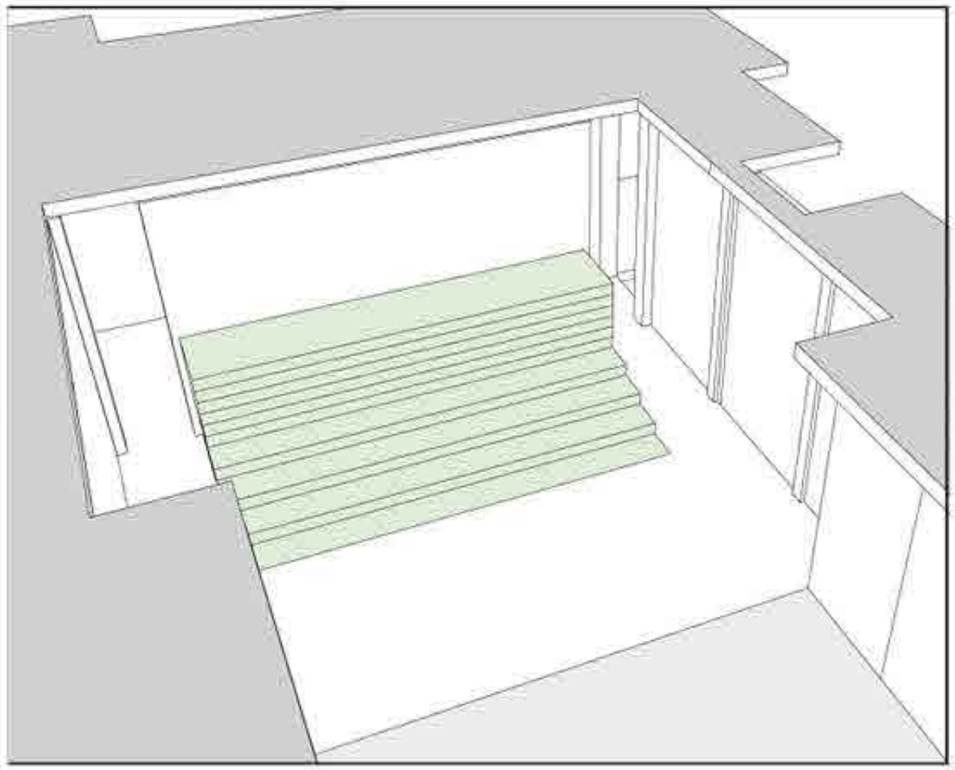


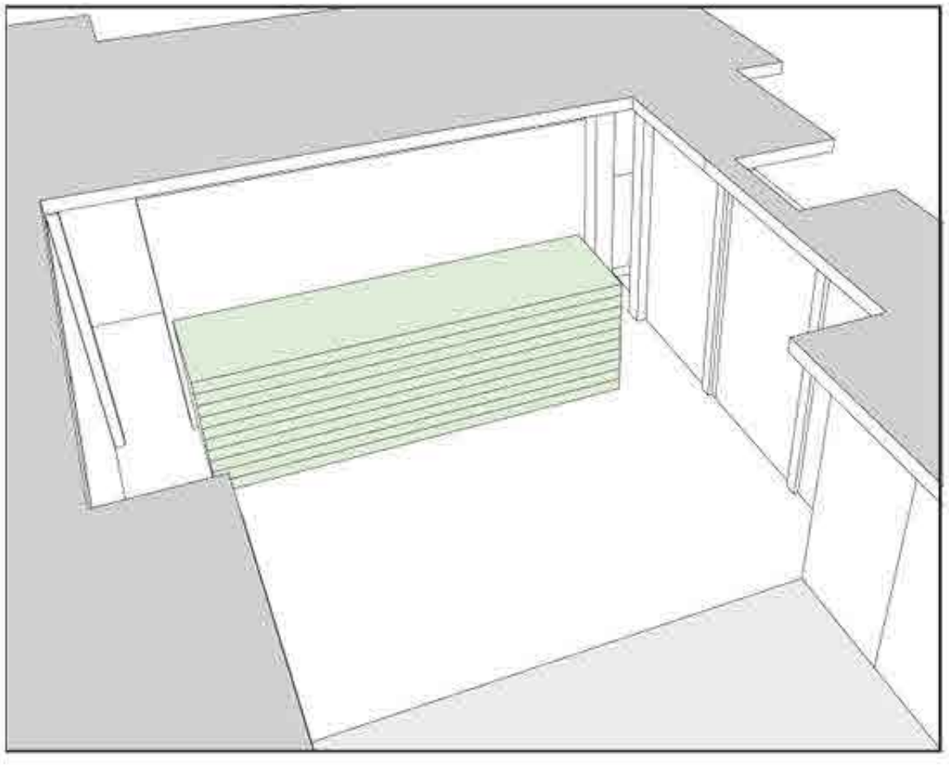


Structure System used in the building is Flat Slab and Frames, the columns dimensions used in the flat slab is (30 cm x 30 cm)
The frames dimensions is (60 cm x 30 cm)

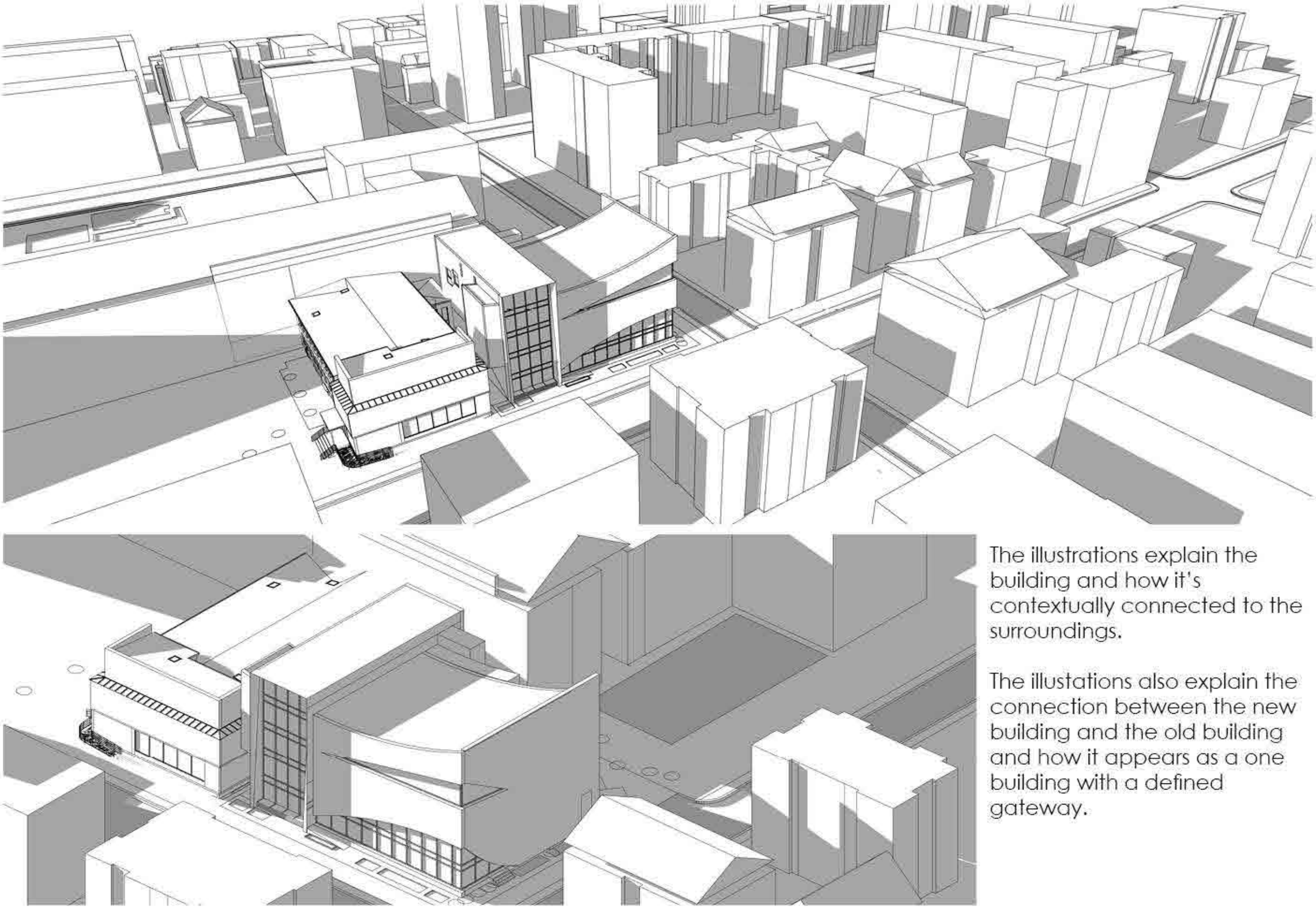
Retractable seating Diagram







Retractable seating is the most popular seating choice and it's ideal for multi-purpose halls, sports halls, gymnasiums and more.
These illustrations explain the mechanism of the retractable seating and the process of folding it



The illustrations explain the building and how it's contextually connected to the surroundings.

The illustations also explain the connection between the new building and the old building and how it appears as a one building with a defined gateway.