

01

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075/BAR/038

Design Studio

School Design - Final Presentation



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Some 3d renderings from Revit and Blender..

Site Analysis

Details



PULCHOWK CAMPUS

Site: Pulchowk Campus, Lalitpur, Nepal

Dimensions

Length : 967'-10"

Breadth : 460'

Rough Area Estimate: 90 Ropanis

Road Access

48' Road access from West

24' Road access from South

24 ' Road access from East

Weather

20°-35°C during Summer

2°-12°C During Winter

Annual Average Humidity : 73.7%

Average Rainfall per year: 1343mm



CONCEPT

"SCHOOL OF ALCHEMY"

What is Alchemy?

Alchemy is an ancient branch of natural philosophy that has its roots set in Egypt, and has flourished throughout the world during the medieval period.

Contrary to popular belief, True Alchemy is not turning lead into gold but *spiritual growth* to attain harmony between the holy trinity.

Mind, Body and Soul.

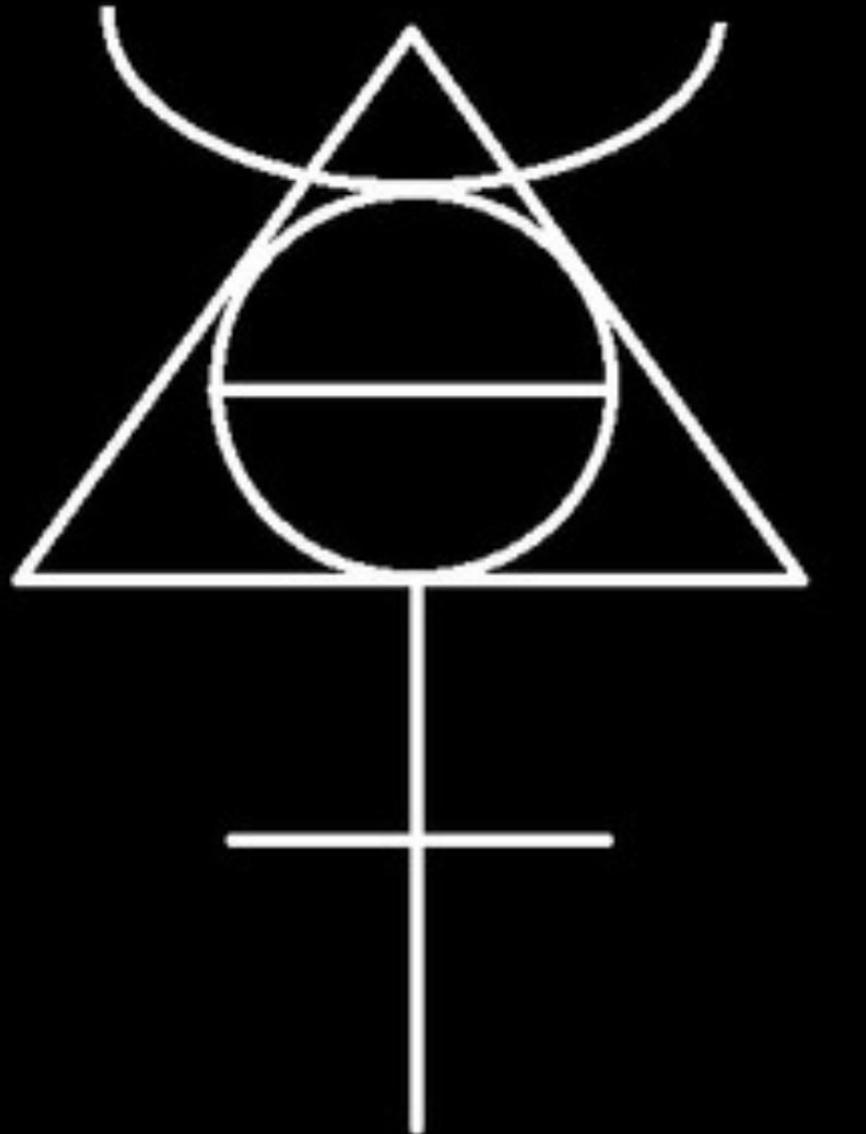
In essence, Enlightenment
Or in terms of Alchemy

The Philosopher's Stone

ALCHEMY
VOLUME V



CONFESS|ON



Why Alchemy?

Alchemy believes in three fundamentals :



SULFUR



SALT



MERCURY

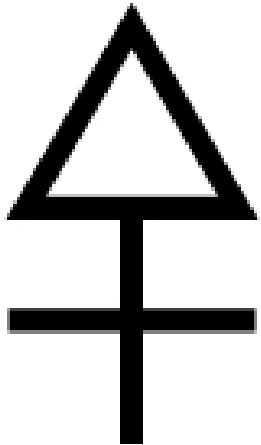
SOUL

BODY

MIND

The 3 Primary Elements

SOUL



In Alchemy, Sulphur means soul which is also explained as inner wisdom.

We all get the feeling of no matter how old we get, there's still that child in us that wants to play. Children are deeply connected with their soul however, adults slowly lose touch with it after the mundane and brutal hardships of life.

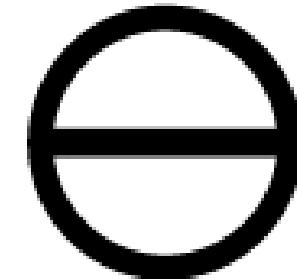
SULFUR

Soul – Primary School Students

BODY

In Alchemy, Salt means the body or physical presence.

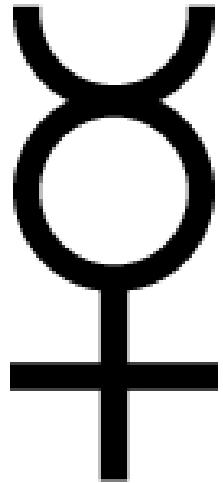
Our physical body changes the most during school life, most notably during adolescence of 8th to 10th grade students as they witness sudden growth of body from child to pubescent teen.



Body – Secondary Level Students

SALT

MIND



In Alchemy, Mercury means mind, similar to Vedic Astrology where the planet Mercury represents our speech and intelligence.

The premature teen, slowly grows and matures from 10th to Plus 2 where they begin to understand the real world and test their capabilities.

MERCURY

Mind – Plus 2 Students

The Philosopher's Stone



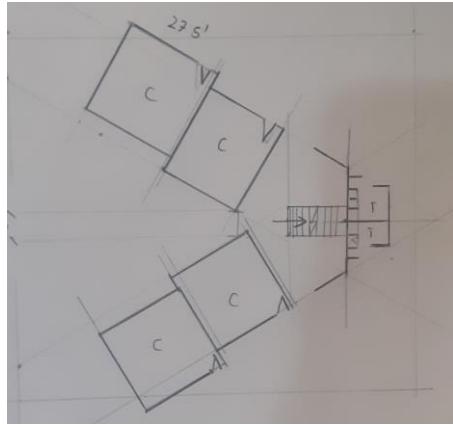
When the 3 primary elements are fused together, an Alchemist gains the ultimate treasure in Alchemy,

The Philosopher's Stone

It is a spiritual achievement that is said to be equal to turning *lead into gold*.

Similarly a Good School can transcend any child from *lead to Gold* too.

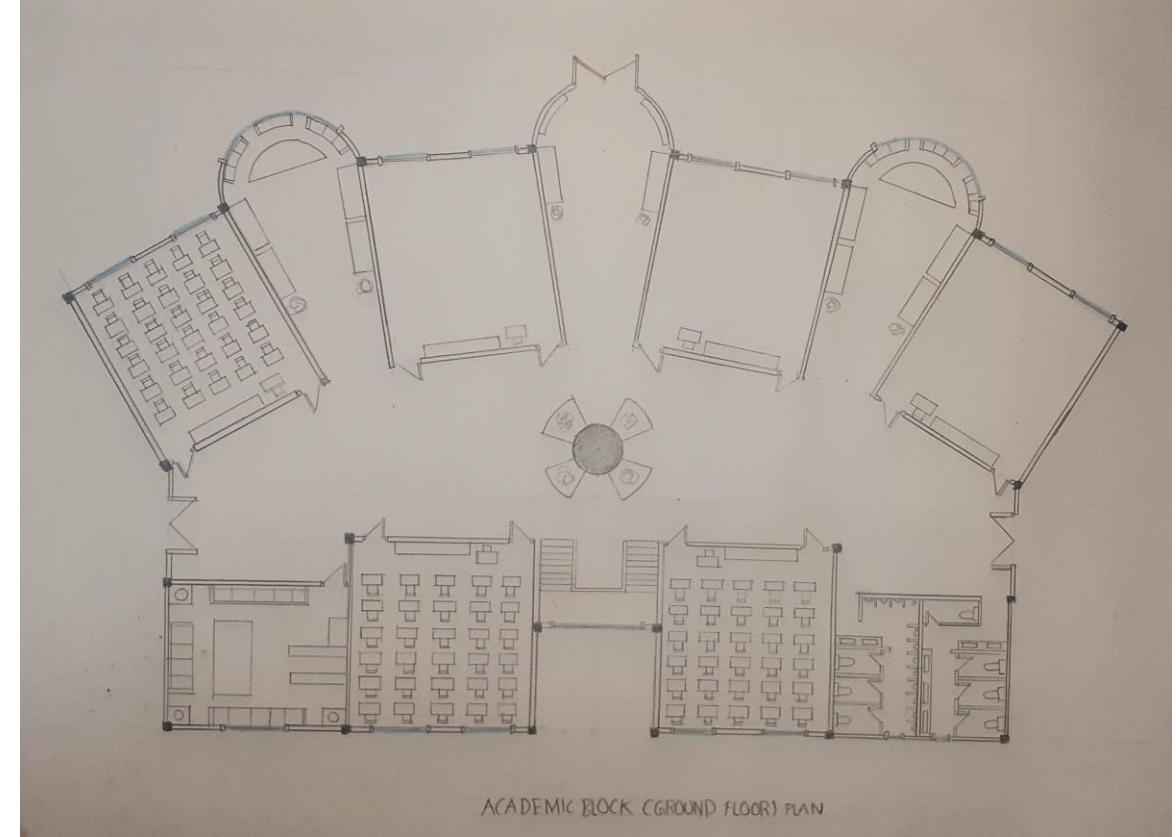
How is the concept brought in the design?



Primary designs



brain
STORMING



Final Design

The finger like extensions shows the 3 primary elements and also act as locker room and sitting spots while having mural decorations in them.

(More details will be given)

How is the concept brought in the design?



Philosopher's Stone Garden

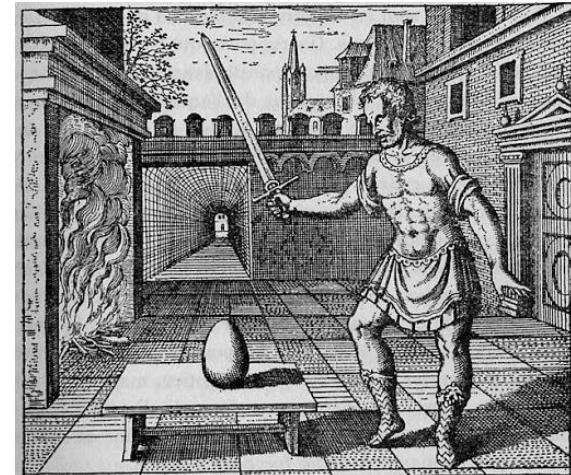
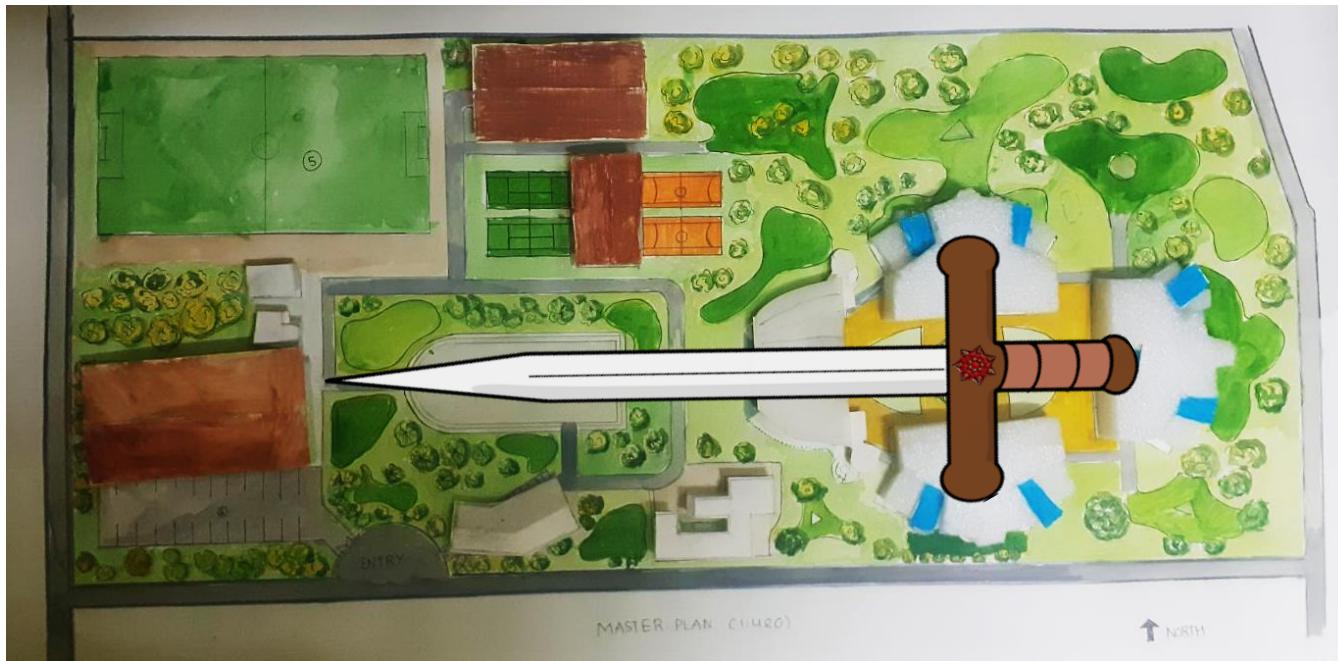
The unity of the 3 primary elements generates the philosopher's stone.

Similarly here in the centre of the 3 Academic Blocks, A decorative green space

Triangle landscape is added where all the students can gather.

- Orange Colour is tiled walking area.

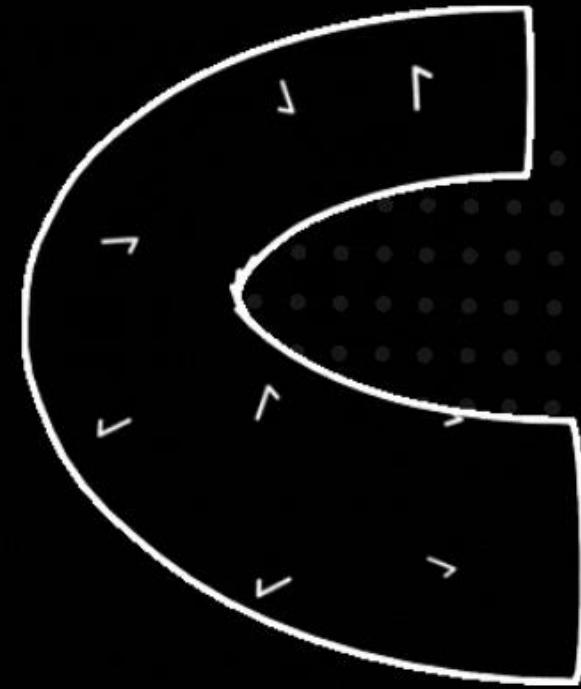
How is the concept brought in the design?



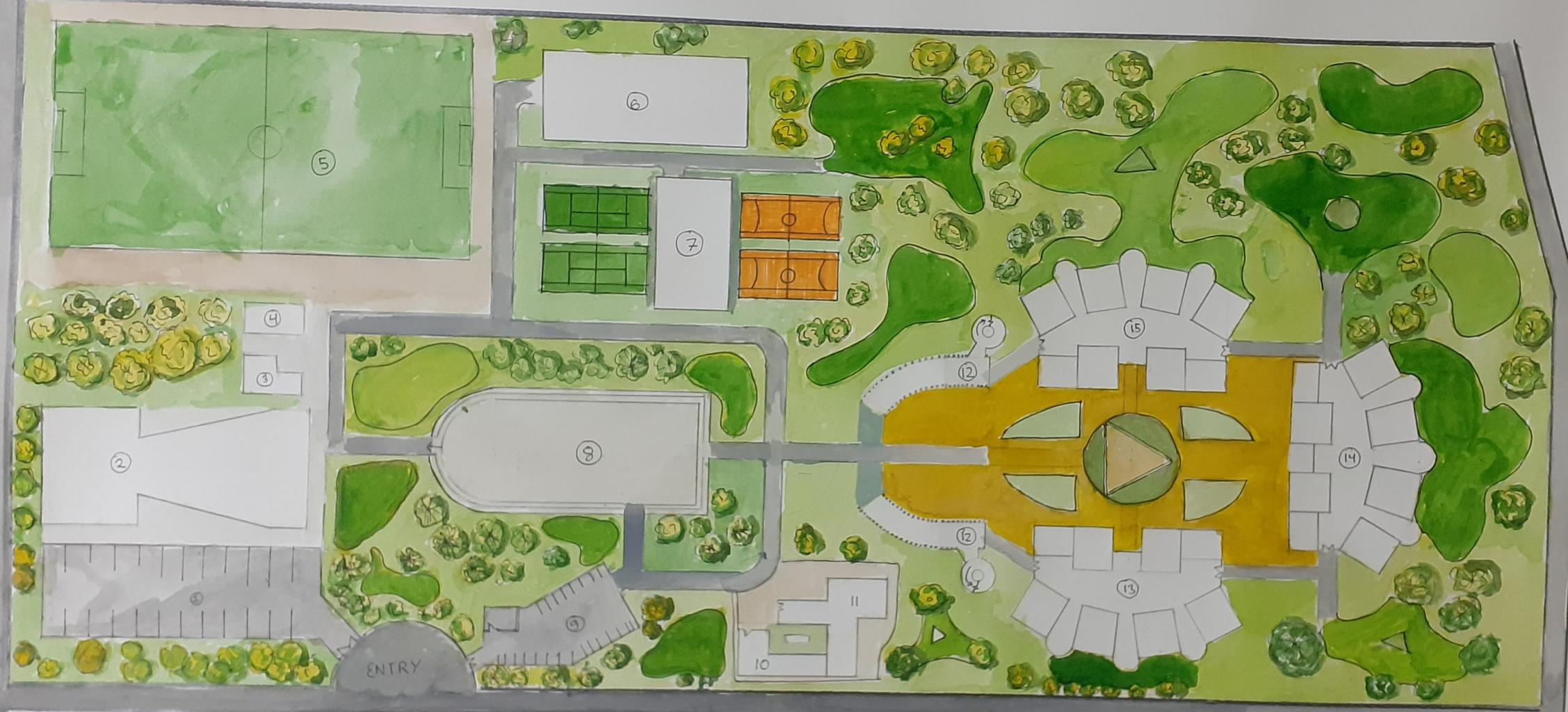
A common tale in Alchemy is a swordsman who discovered the dark arts of Alchemy to convert an iron **SWORD** to gold, thus the layout also represents a sword.

School of Alchemy

Plans Elevations & Sections



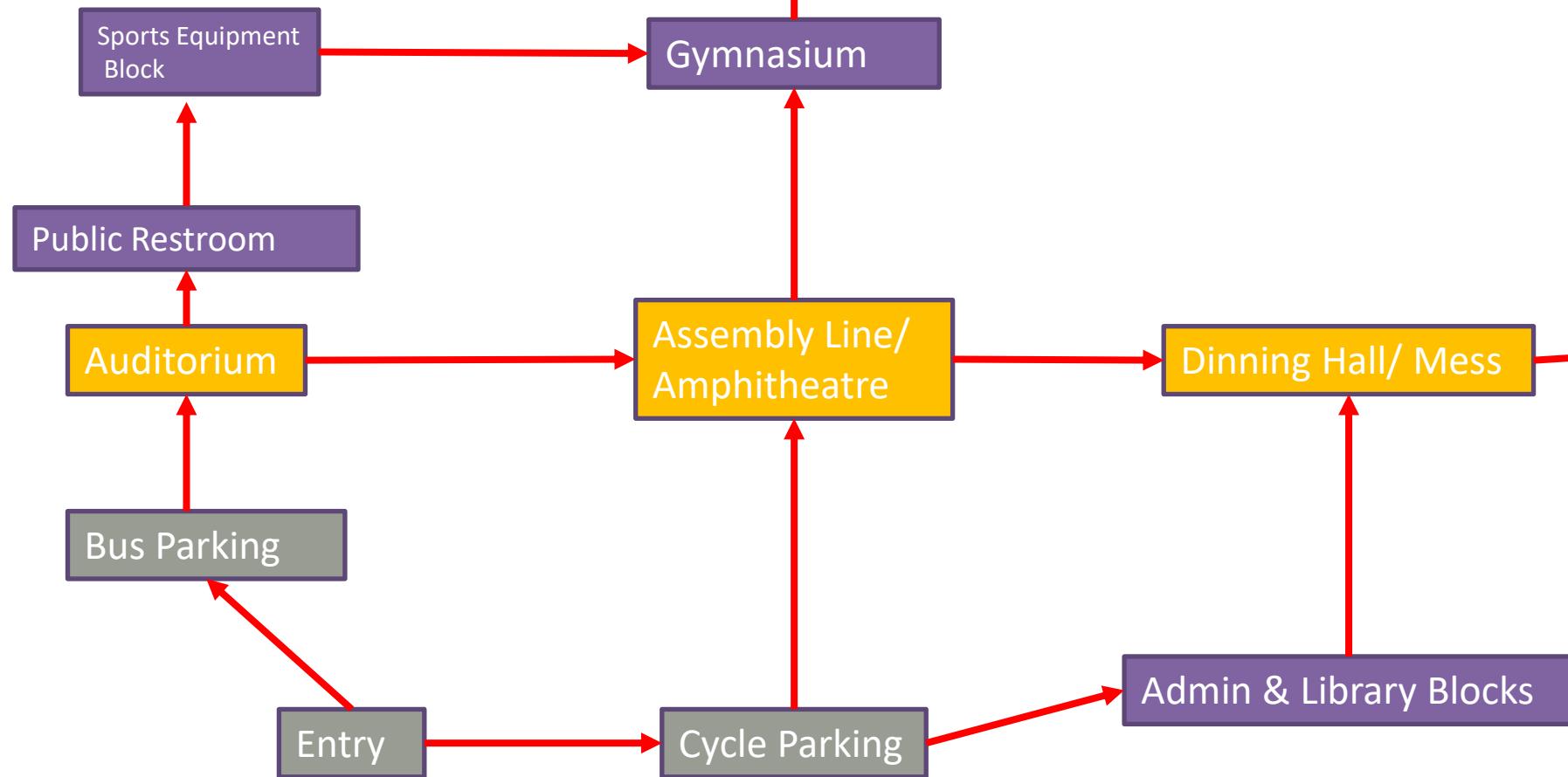
MASTERPLAN (1:480)



MASTER PLAN (1:480)

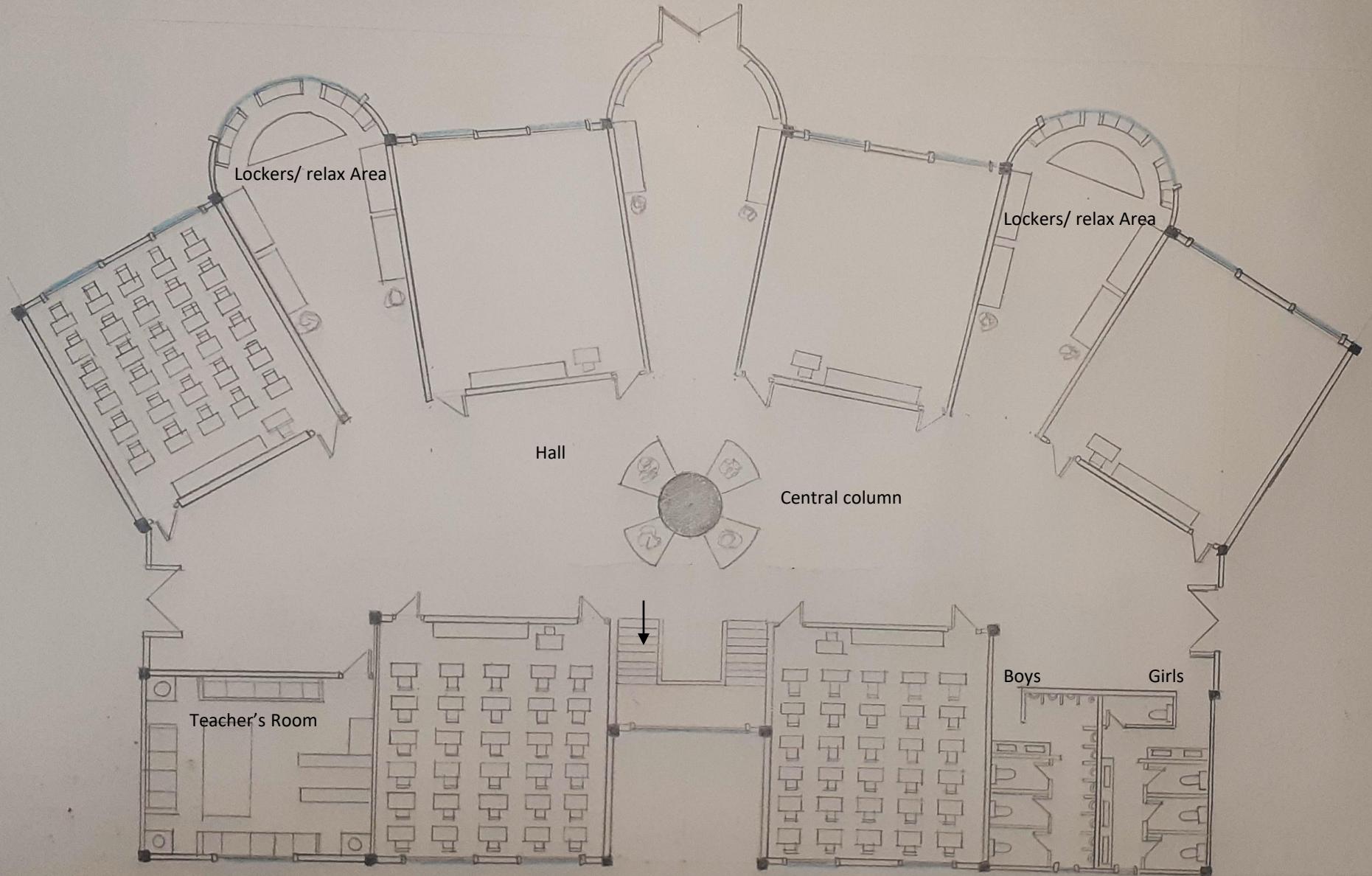
NORTH

Bubble Diagram



Academic Blocks

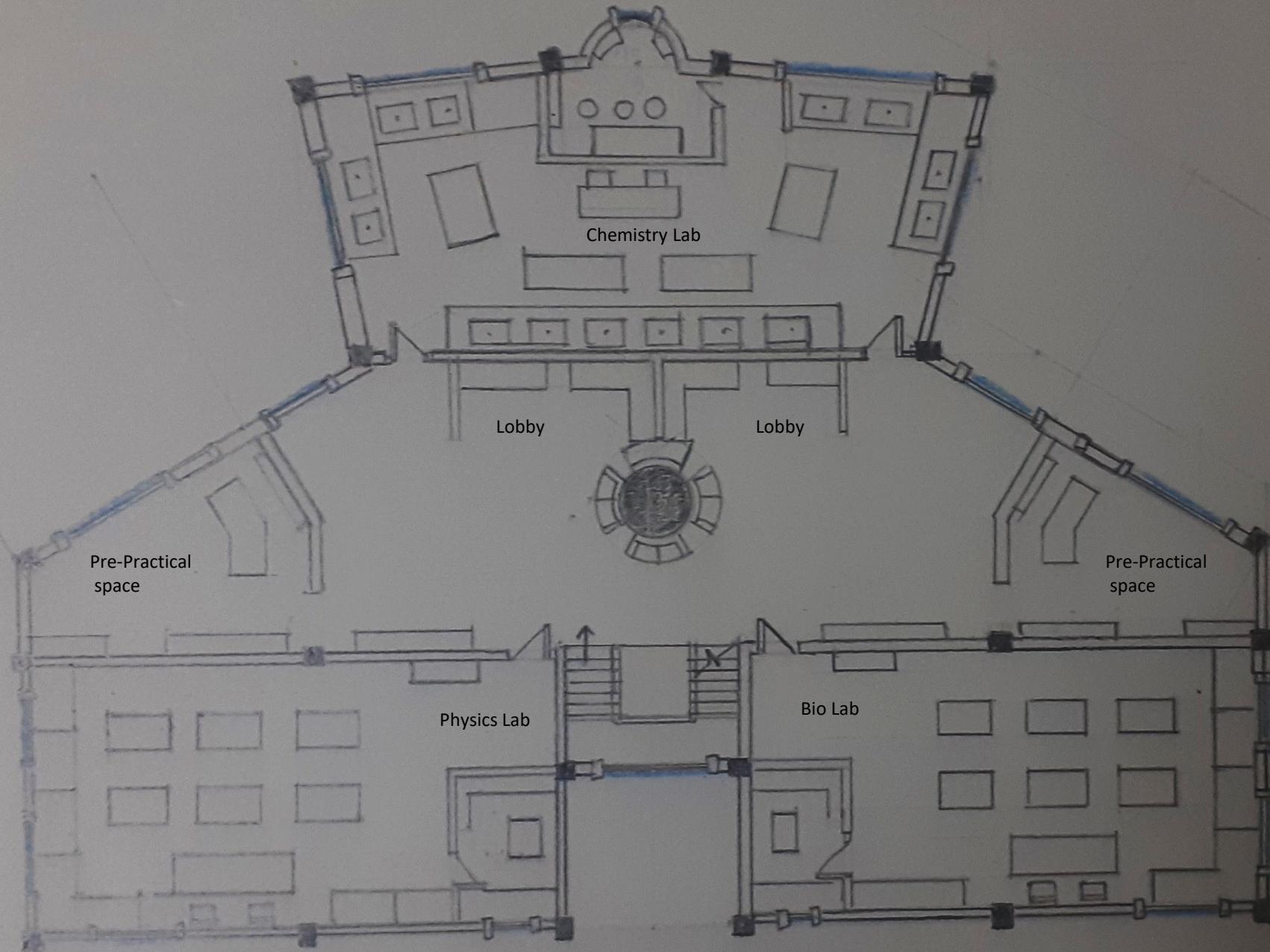
+2 Academic Block (1:96)



ACADEMIC BLOCK (GROUND FLOOR) PLAN

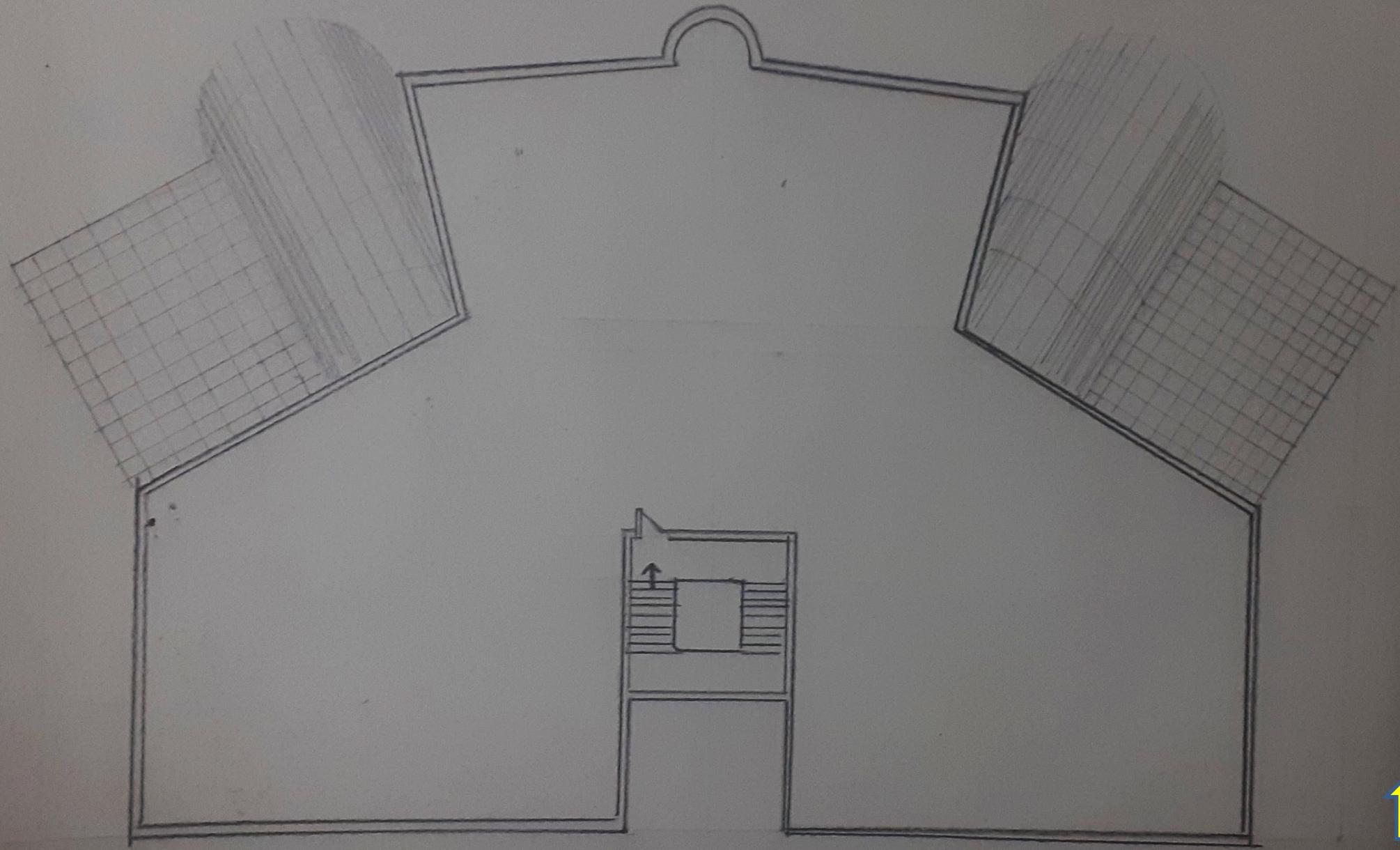
GROUND FLOOR PLAN (1:96)

↑
N



FIRST FLOOR PLAN(1:196)

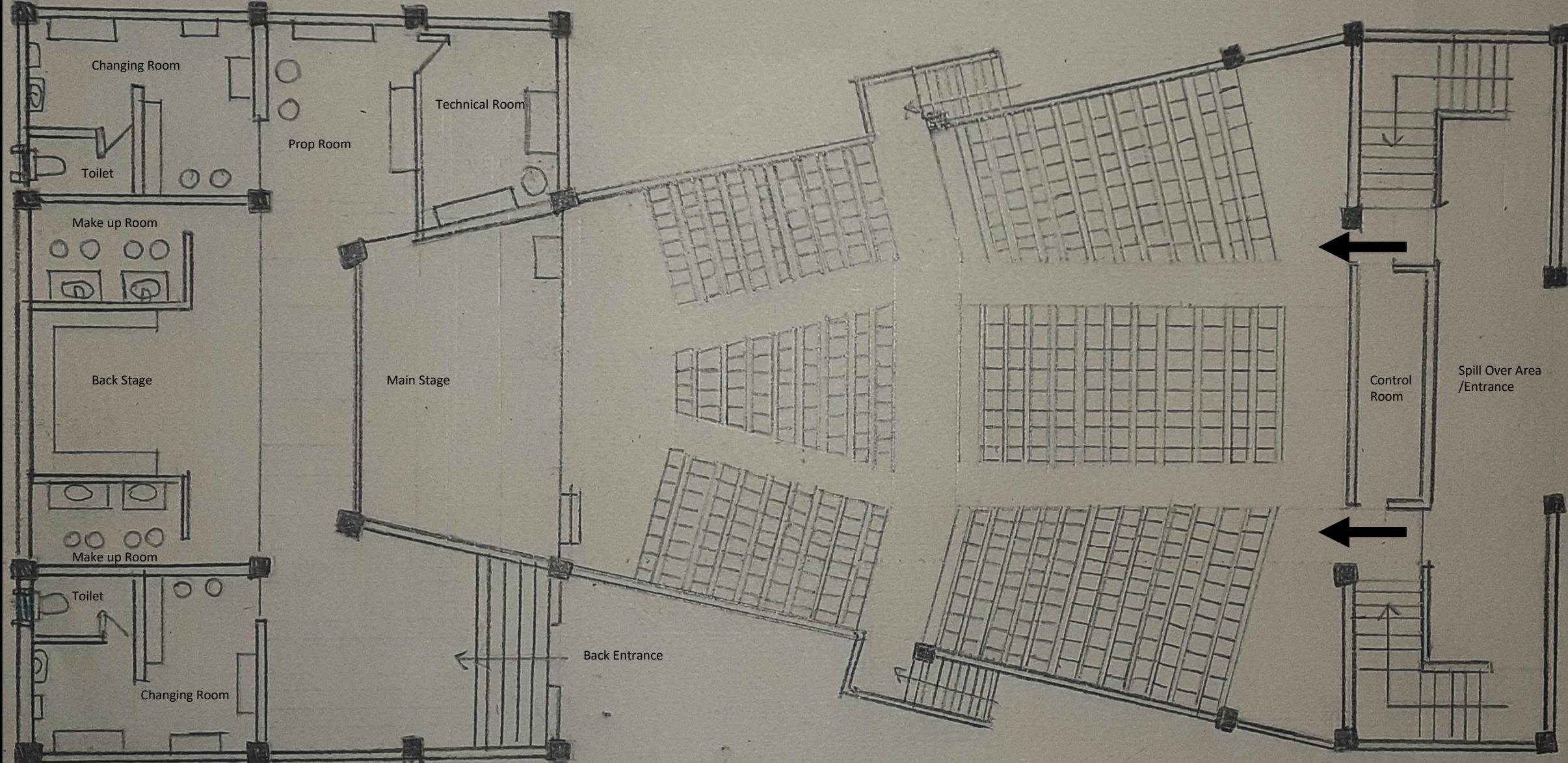
↑
N



ROOF FLOOR PLAN(1:196)

↑
N

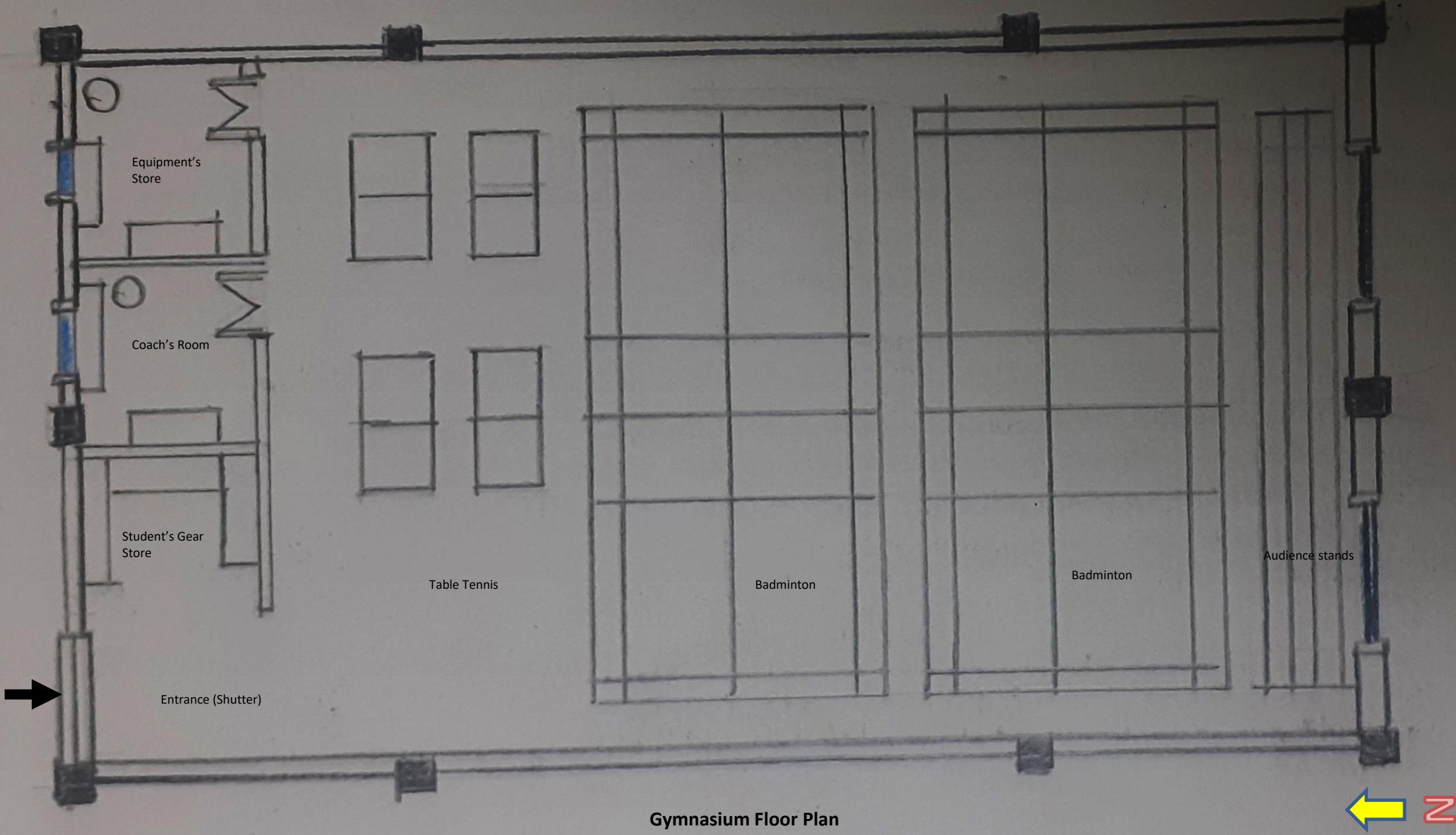
Auditorium (1:192)



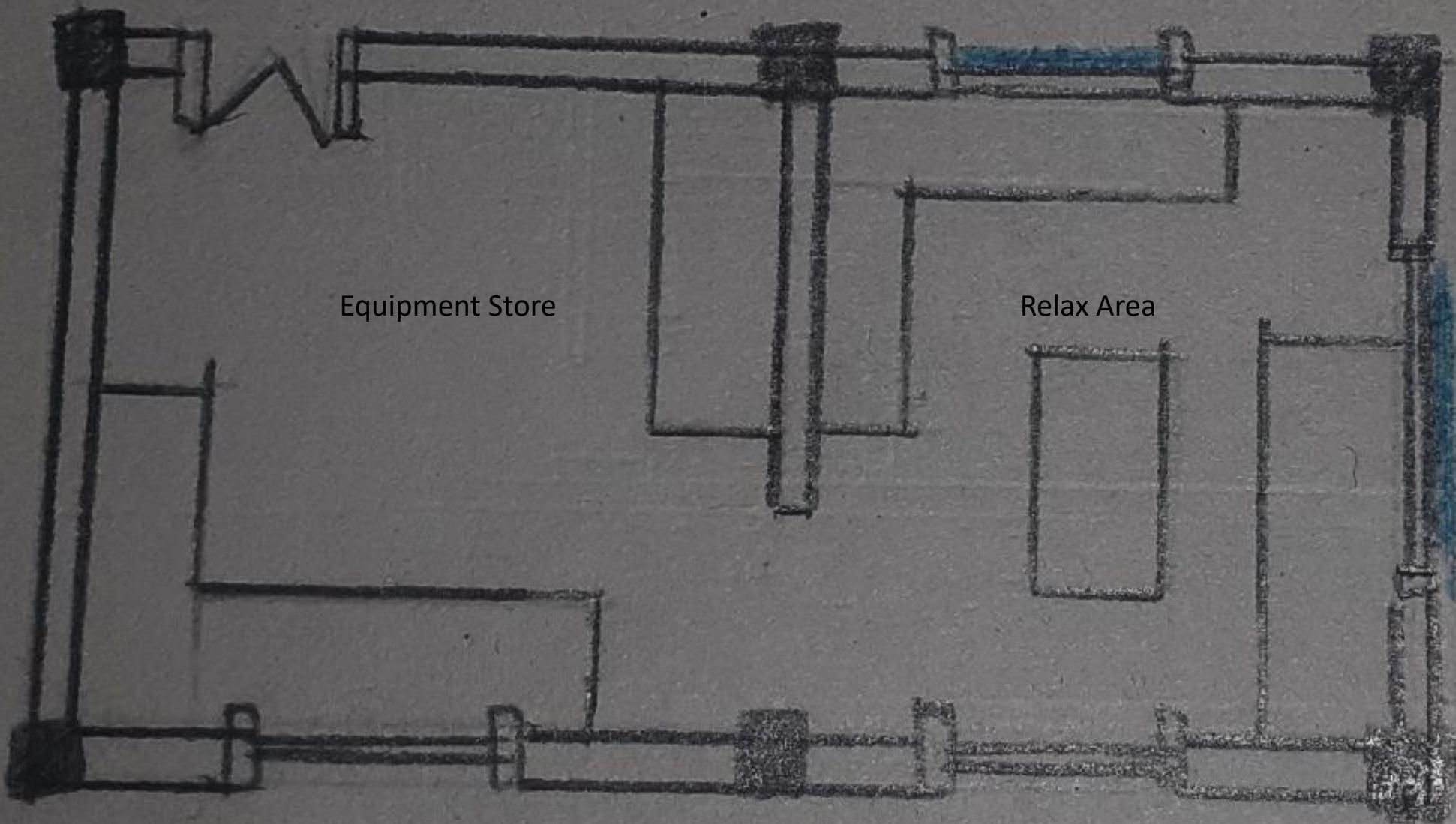
Auditorium Floor Plan

↑
N

Gymnasium (1:192)

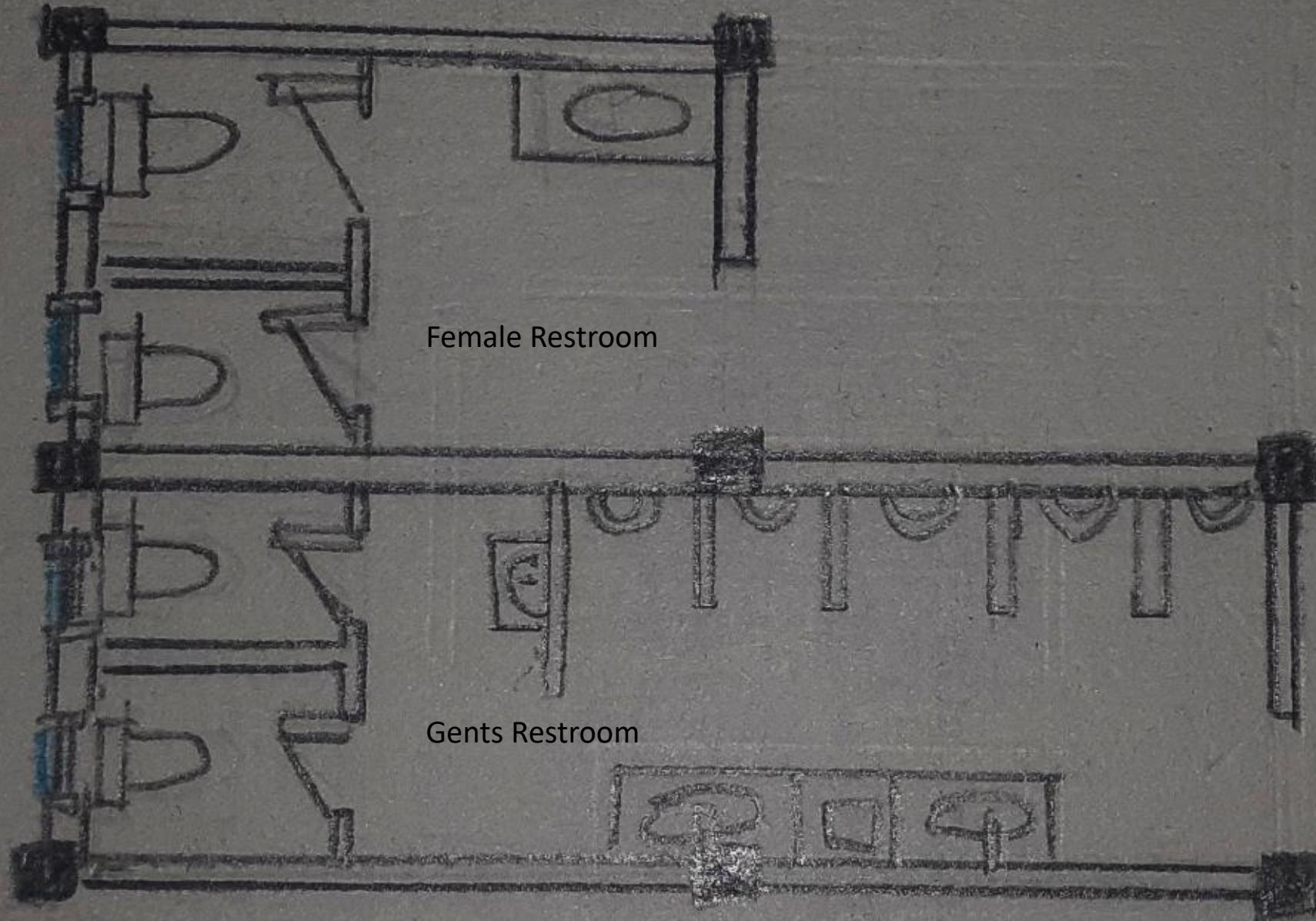


Sports Equipment Block (1:192)



Sports Equipment Block(1:192)

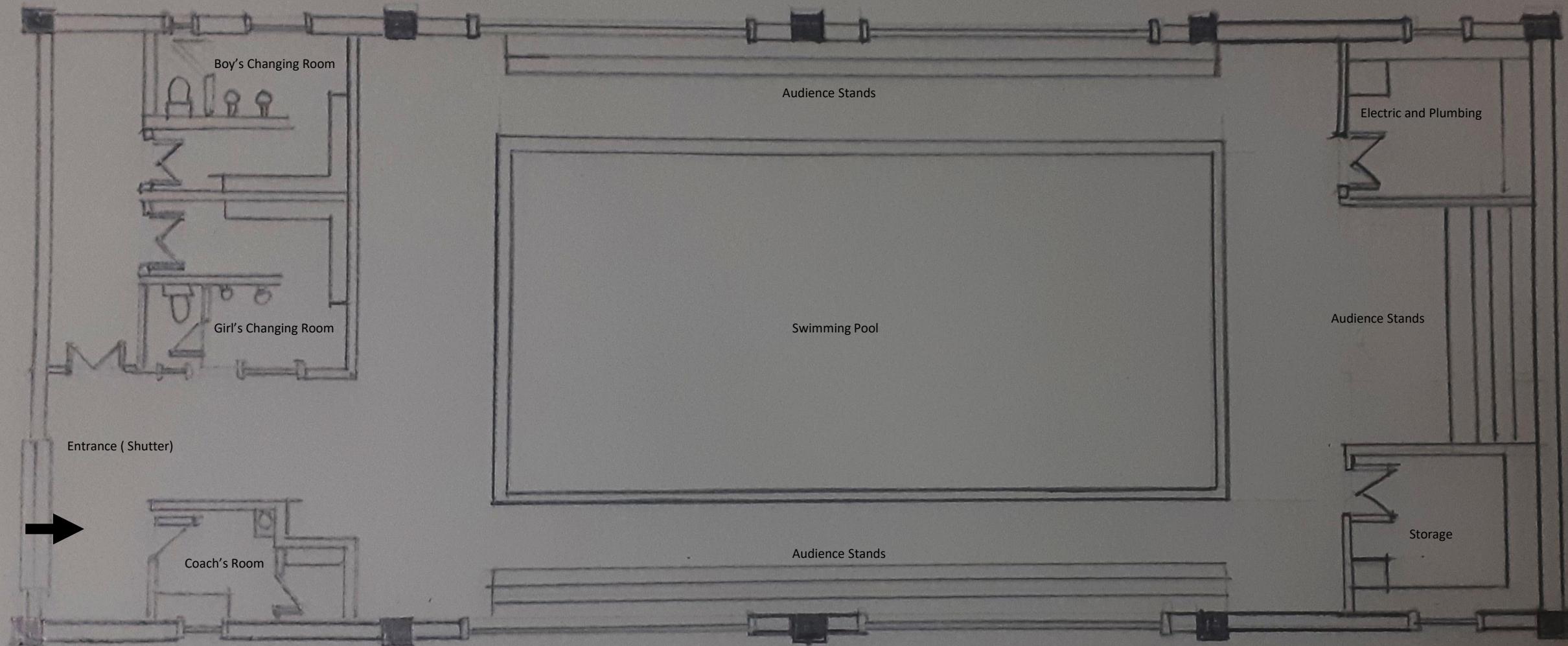
N



Public Restroom(1:192)

↑
N

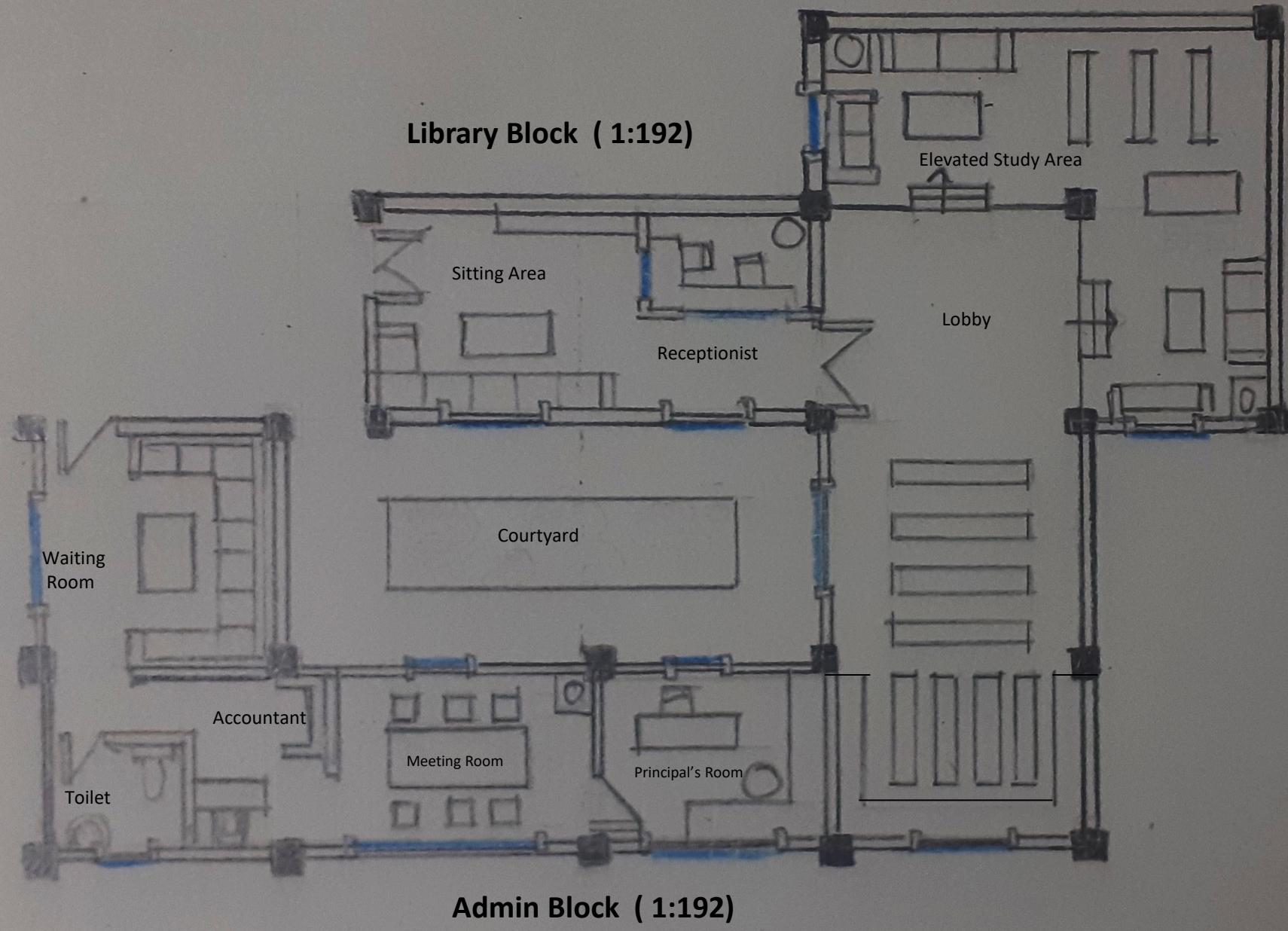
Indoor Swimming (1:192)



Indoor Swimming(1:192)

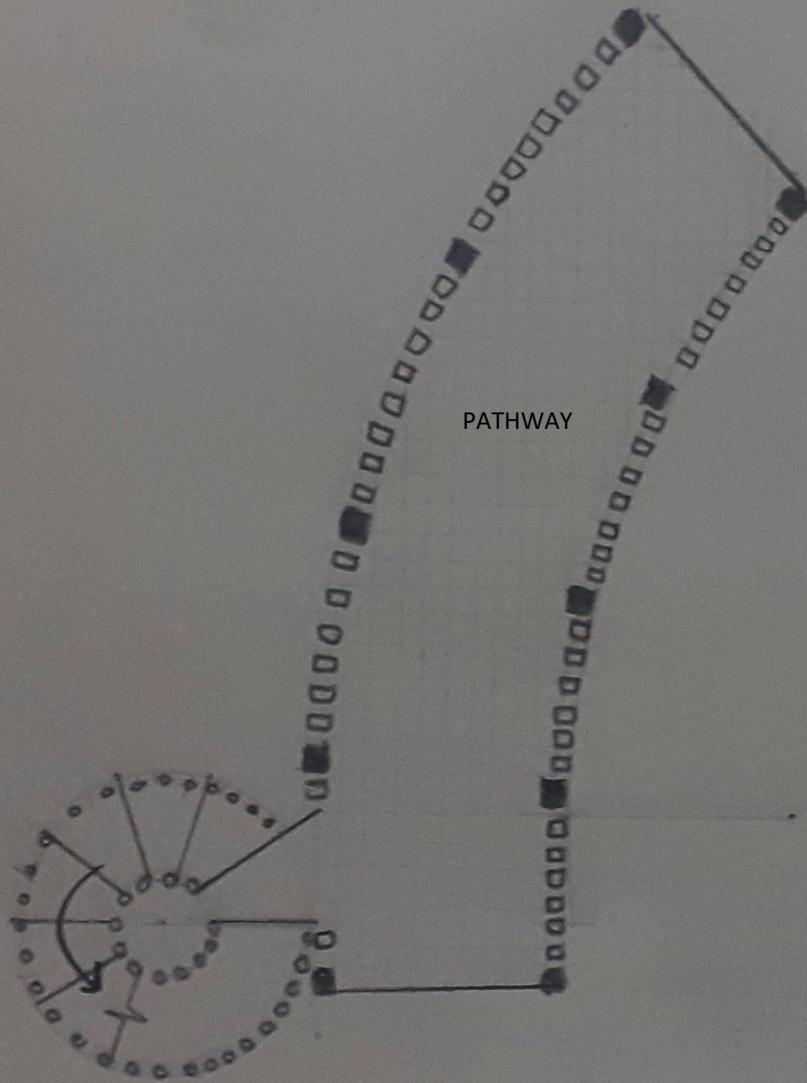
N

Admin Block & Library (1:192)

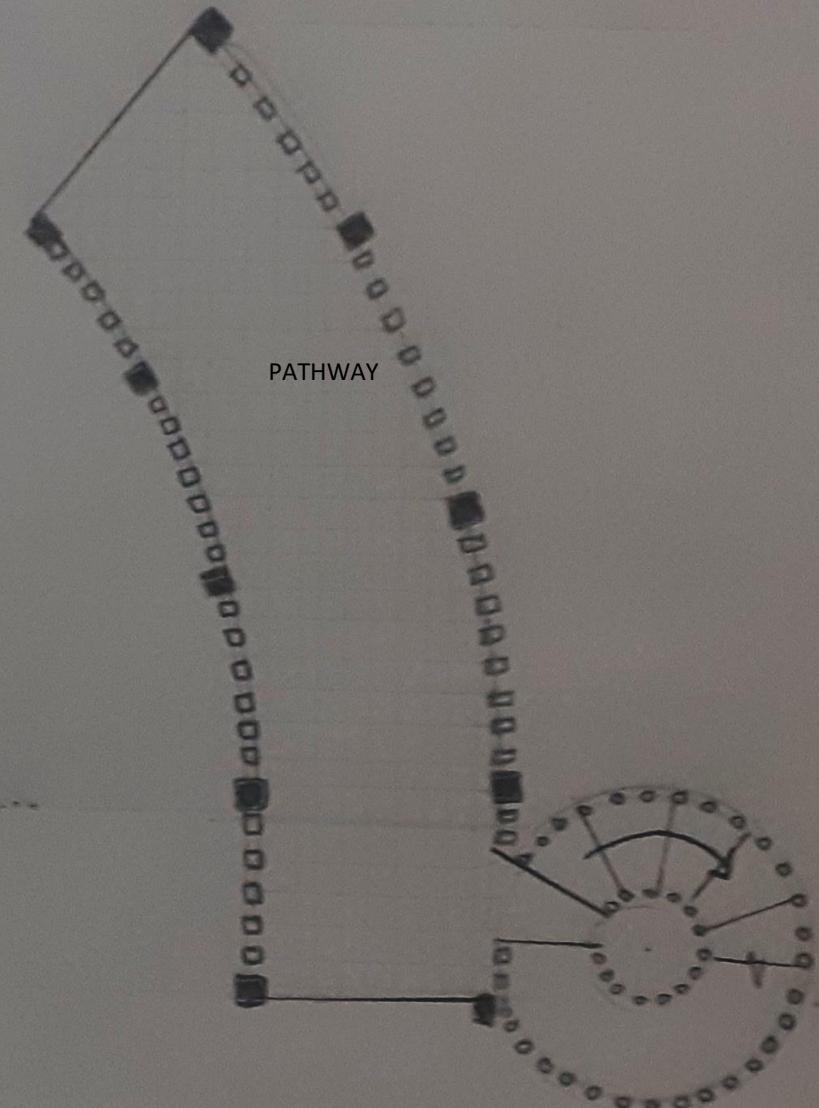


N ↑

Dinning Hall (1:196)

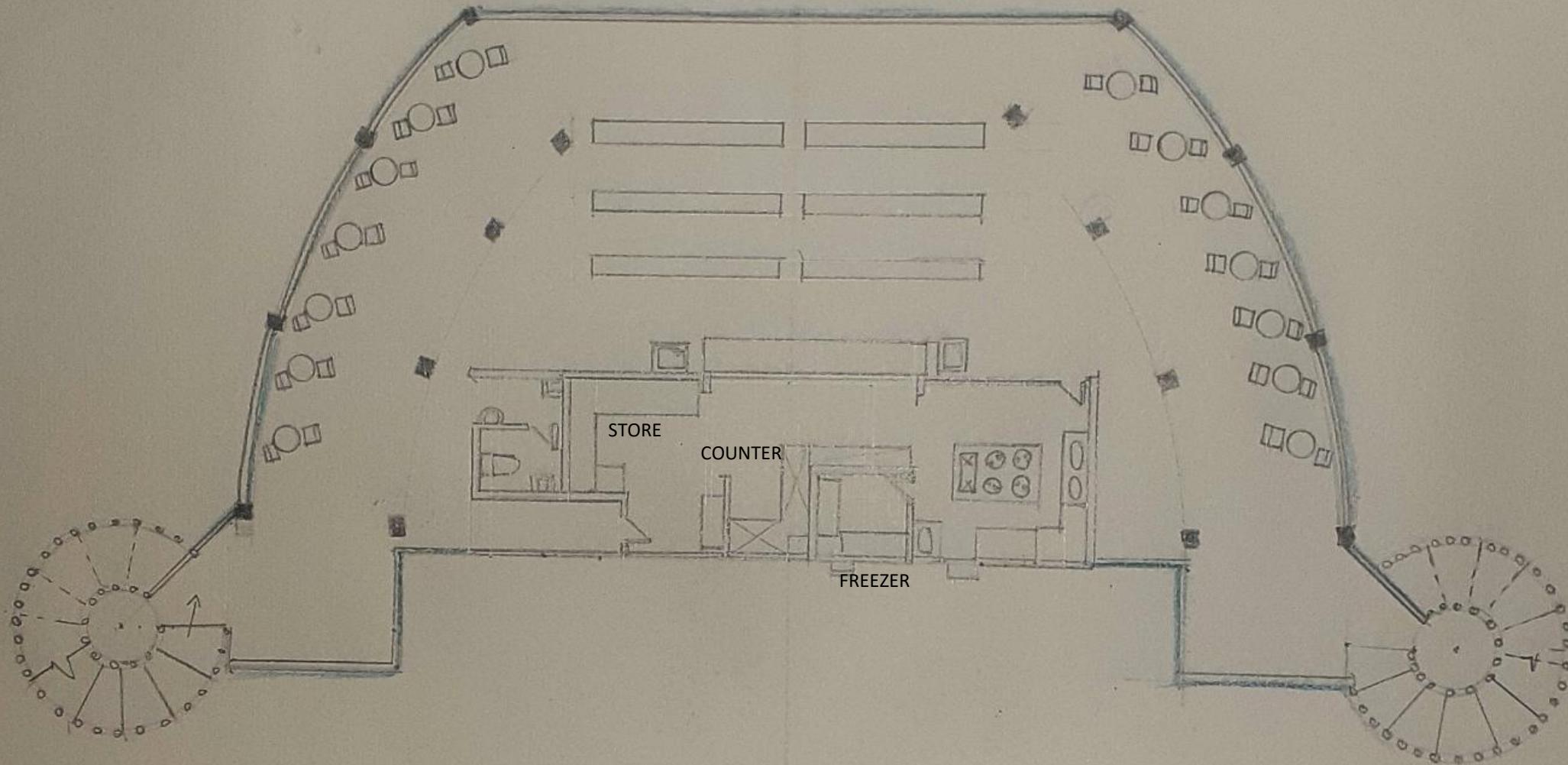


DINNING HALL GROUND FLOOR PLAN(1:196)



N

Dinning Hall (1:196)



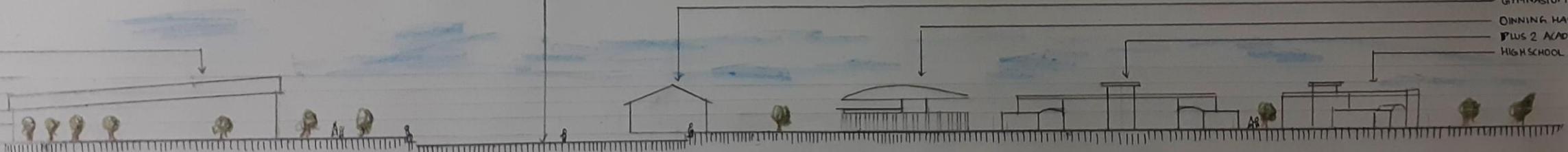
DINNING HALL FIRST FLOOR PLAN(1:196)

N



MASTER PLAN (1:480)

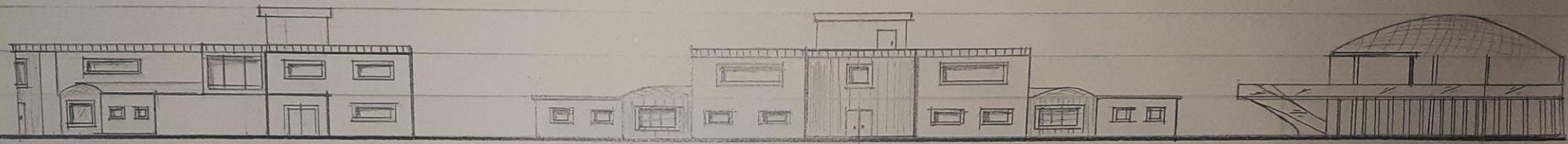
NORTH



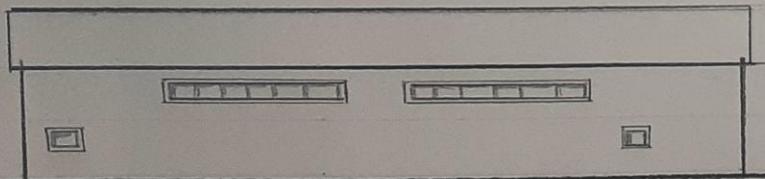
SITE SECTION (1:480)

AMPHITHEATRE/ASSEMBLY
GYMNASIUM
DINNING HALL/MESS
PLUS 2 ACADEMIC BLOCK
HIGH SCHOOL ACADEMIC BLOCK

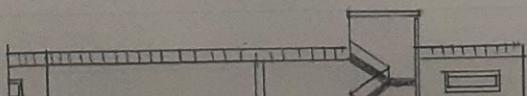
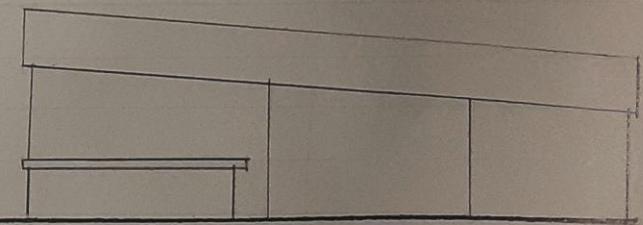
SITE SECTION



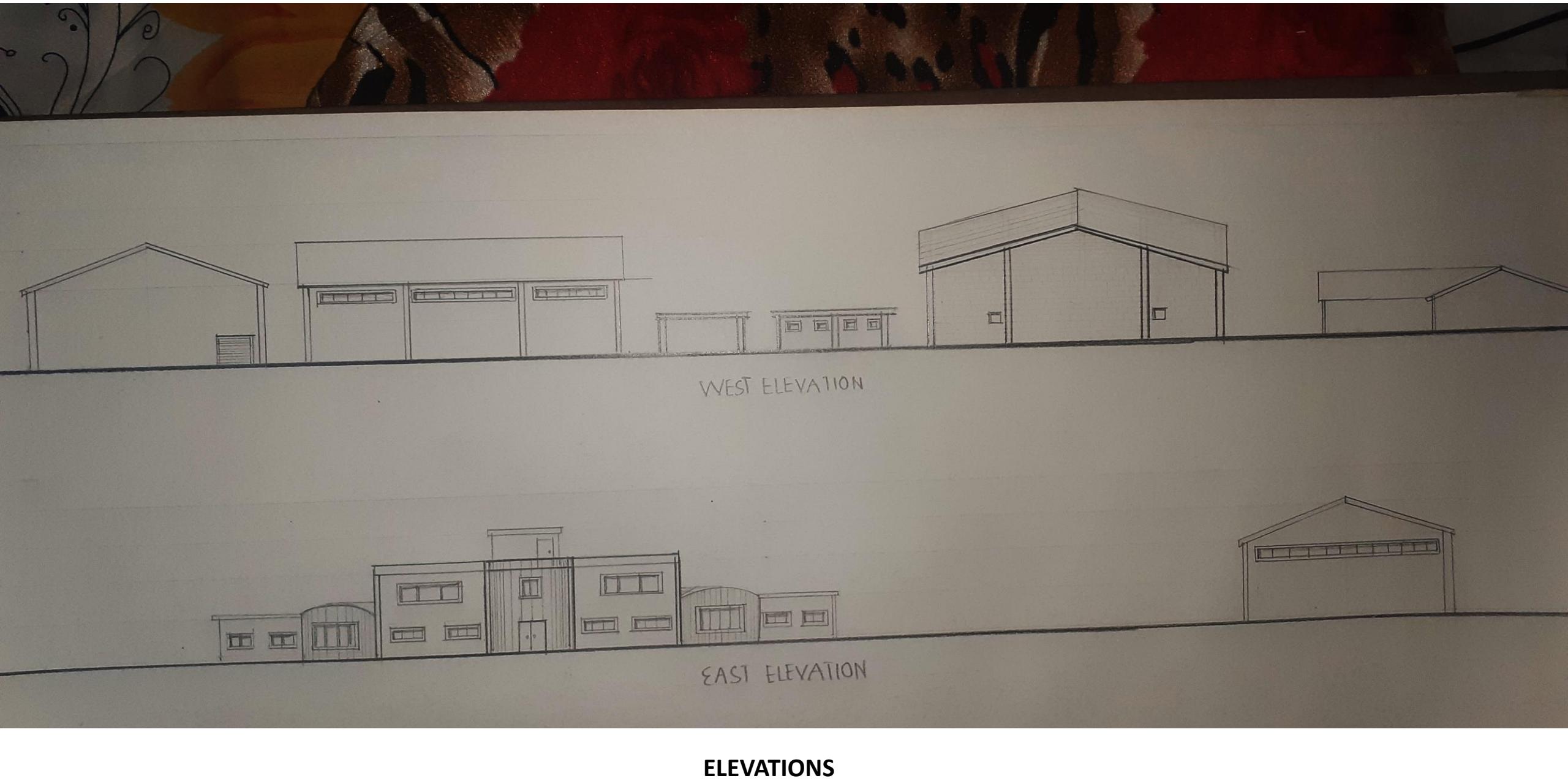
NORTH ELEVATION (HALF)



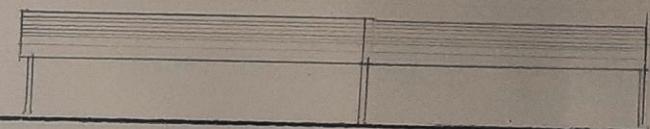
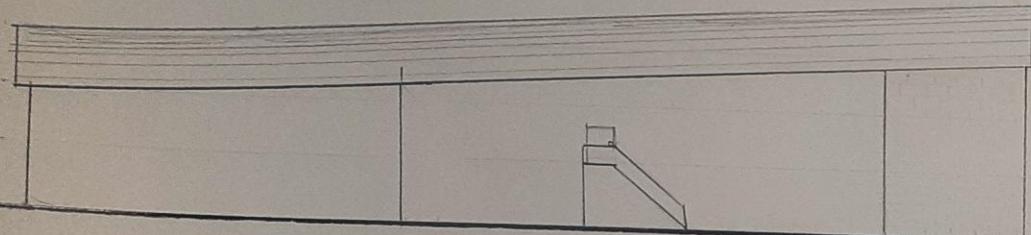
NORTH ELEVATION (HALF)



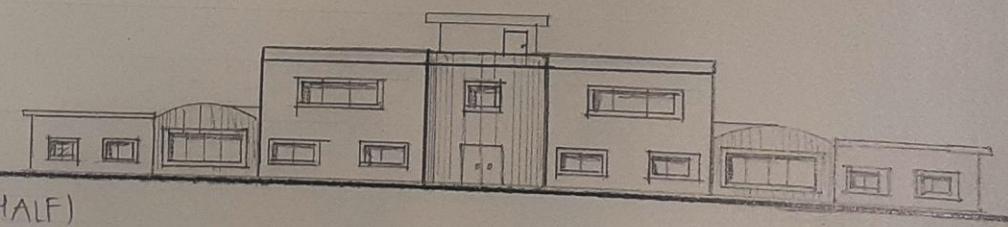
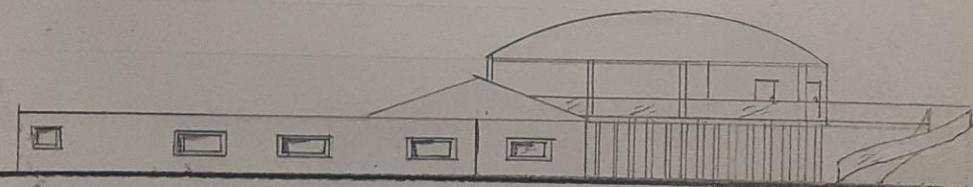
ELEVATIONS



EAST ELEVATION



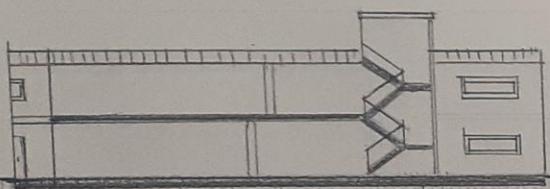
SOUTH ELEVATION (HALF)



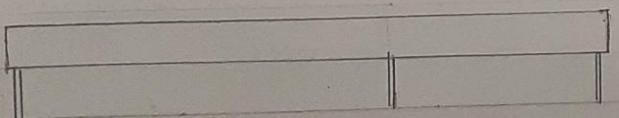
SOUTH ELEVATION (HALF)

ELEVATIONS

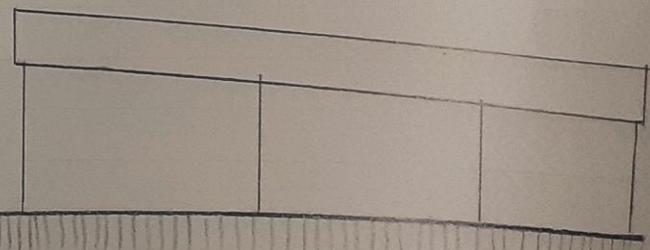
NORTH ELEVATION (HALF)



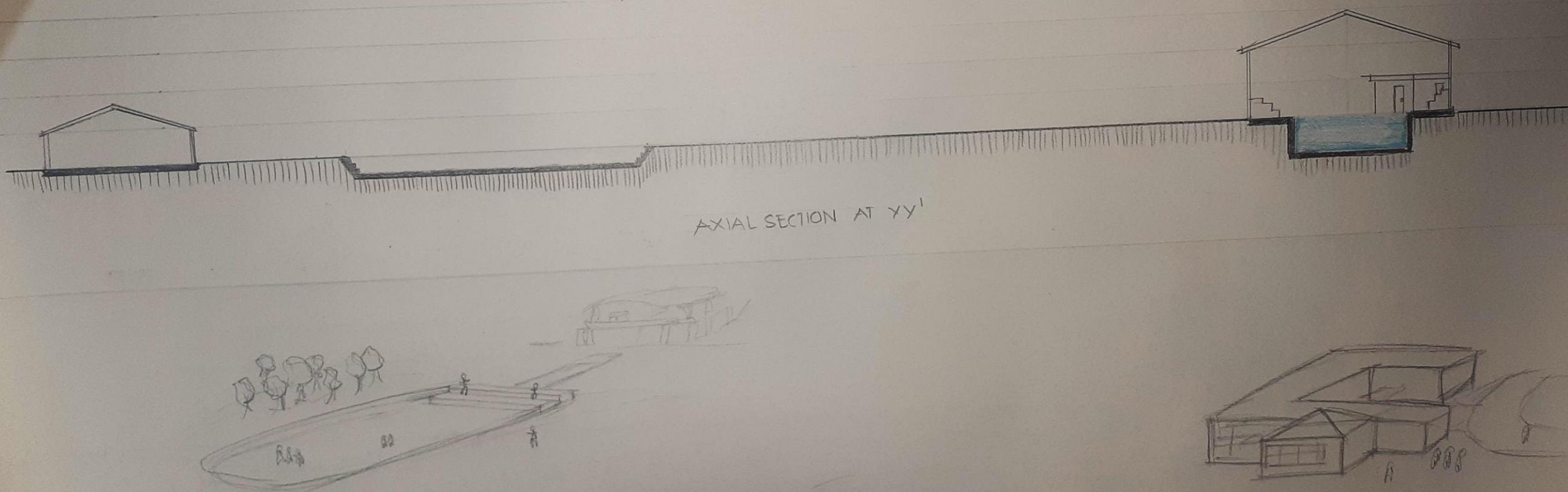
LONGITUDINAL SECTION XX' (HALF')



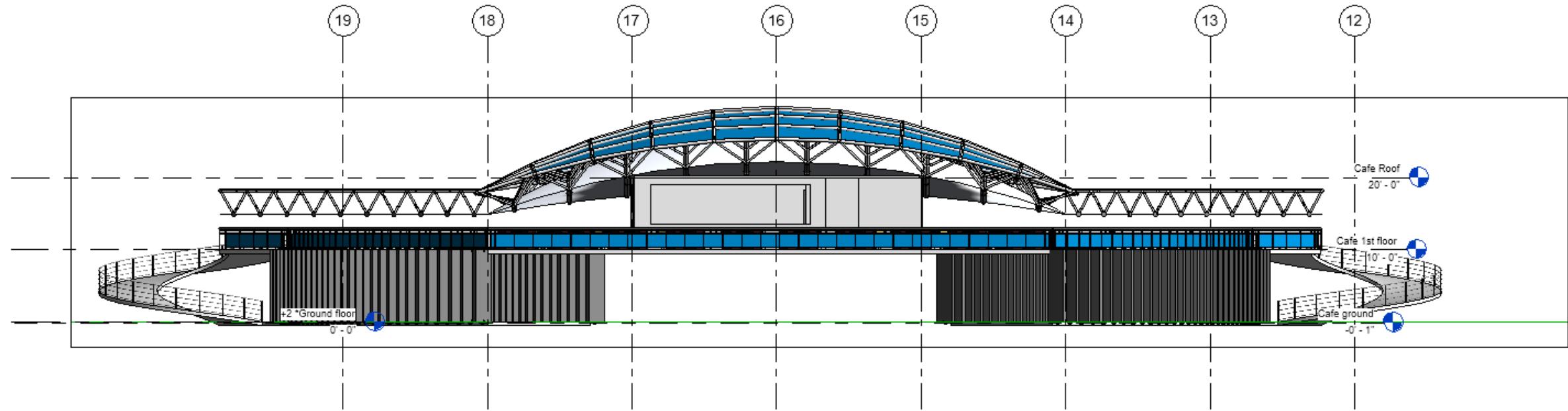
LONGITUDINAL SECTION XX' (HALF)



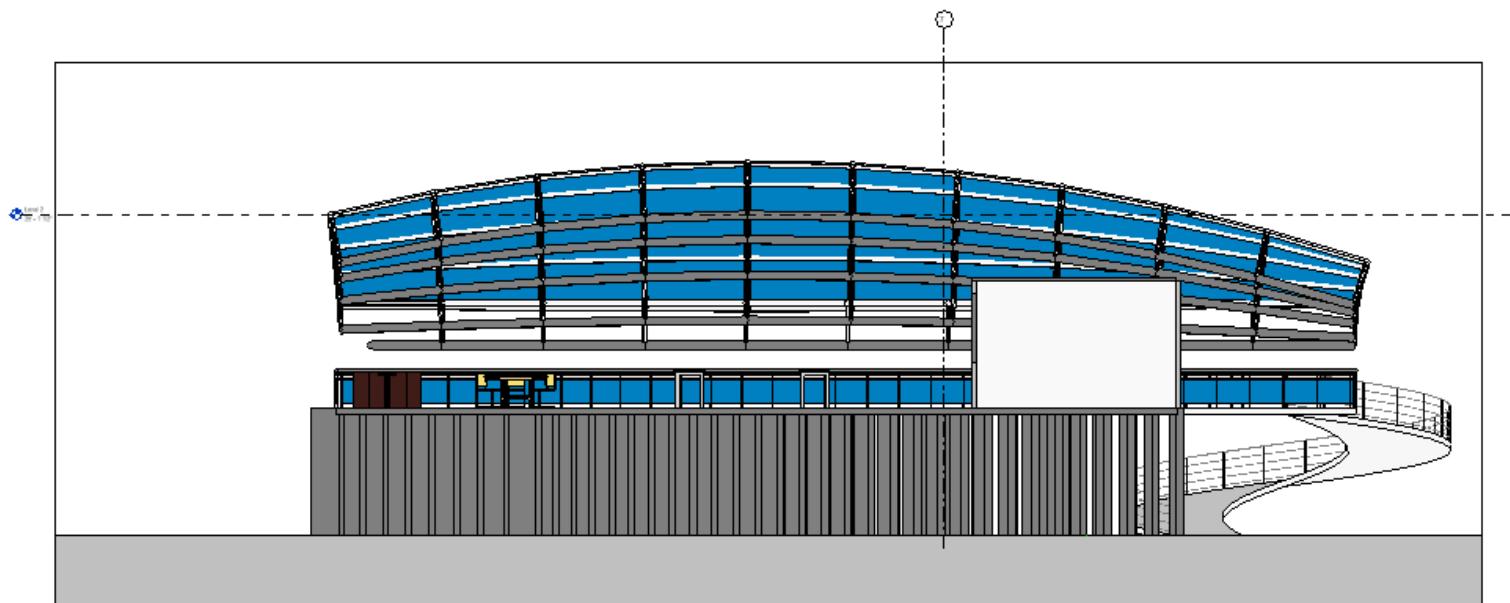
SECTIONS

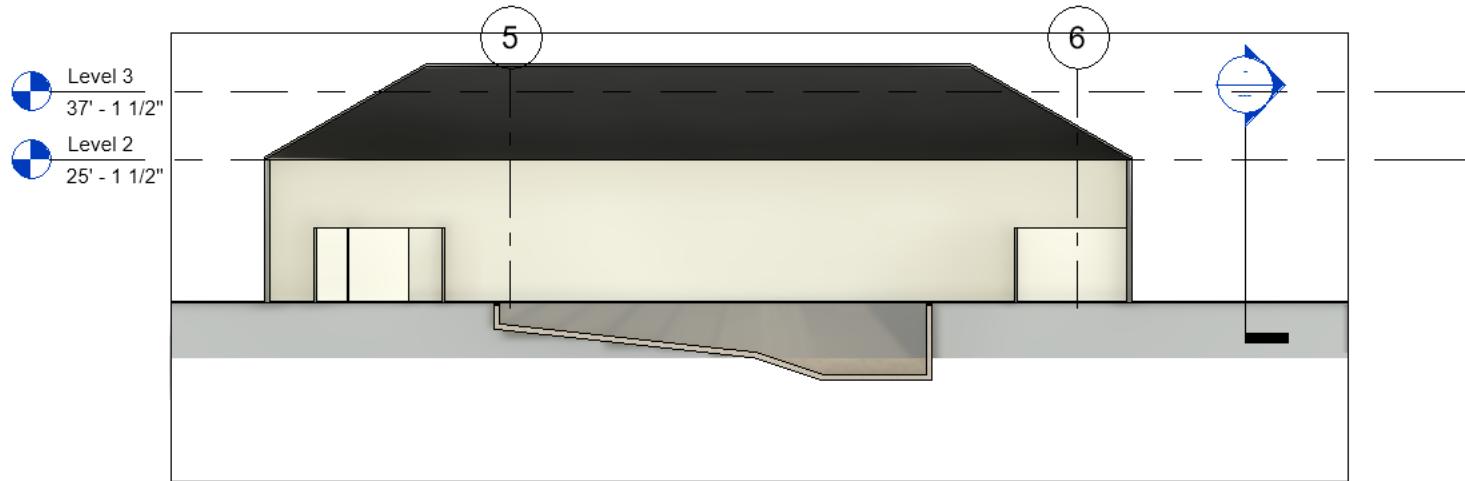


SECTIONS

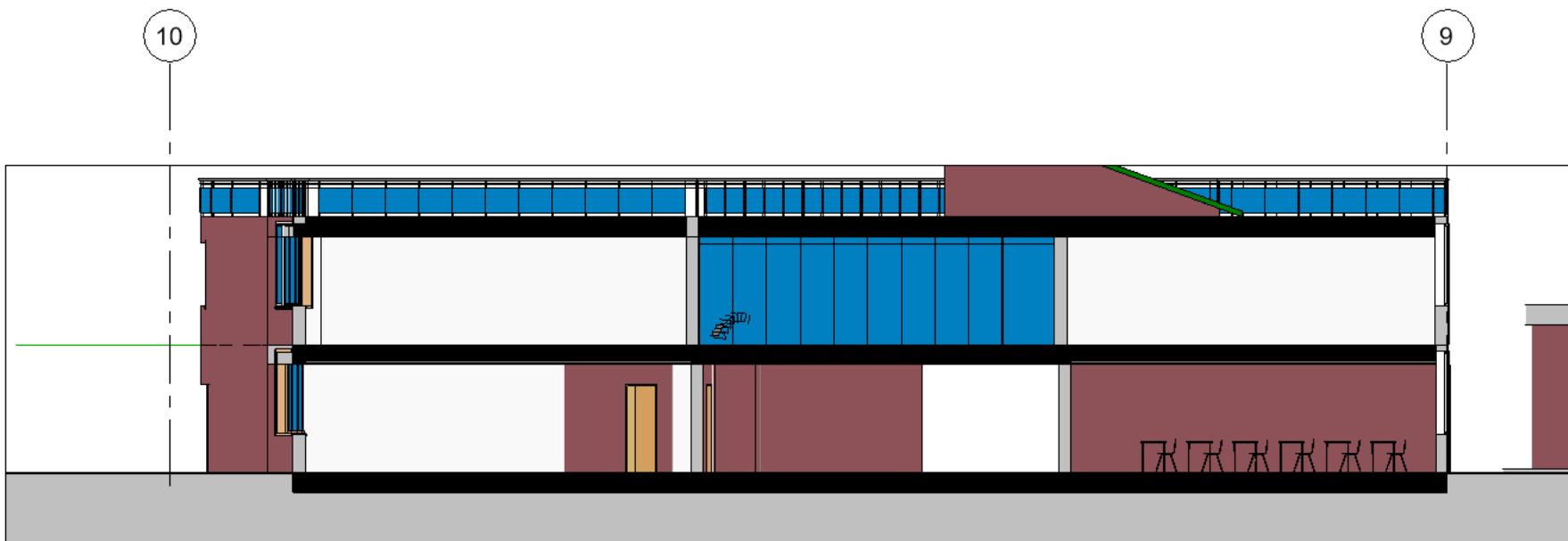


Dinning hall Section
Made in Revit



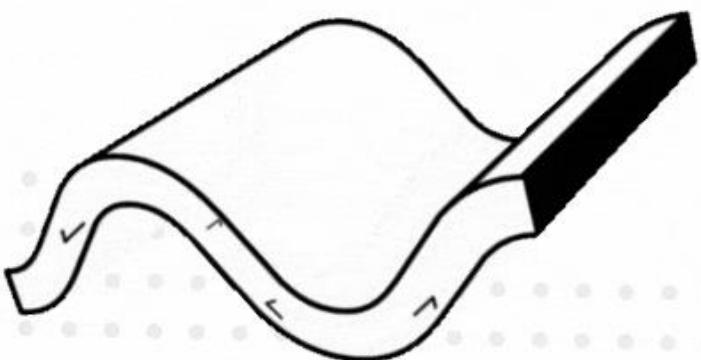


Indoor Swimming Section



Academic Block Section

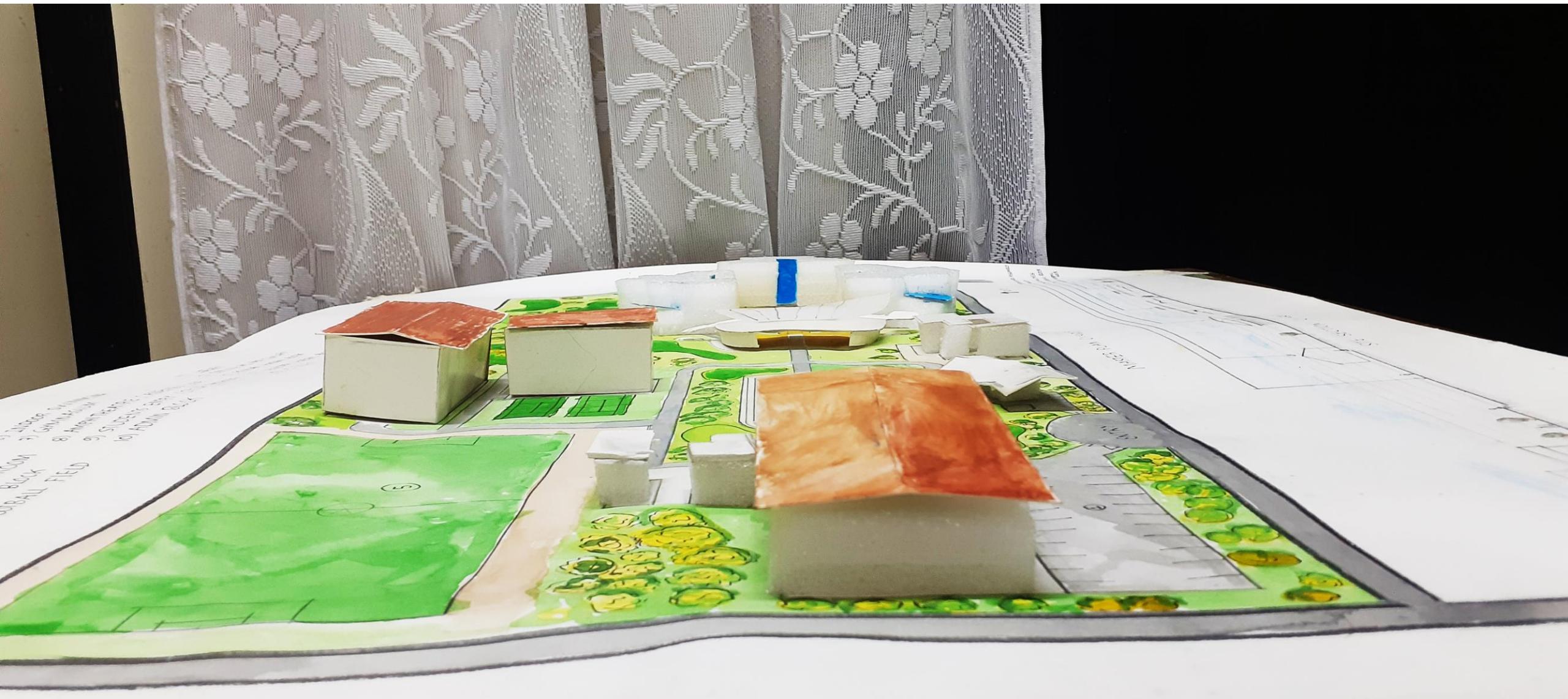
3D & Renderings



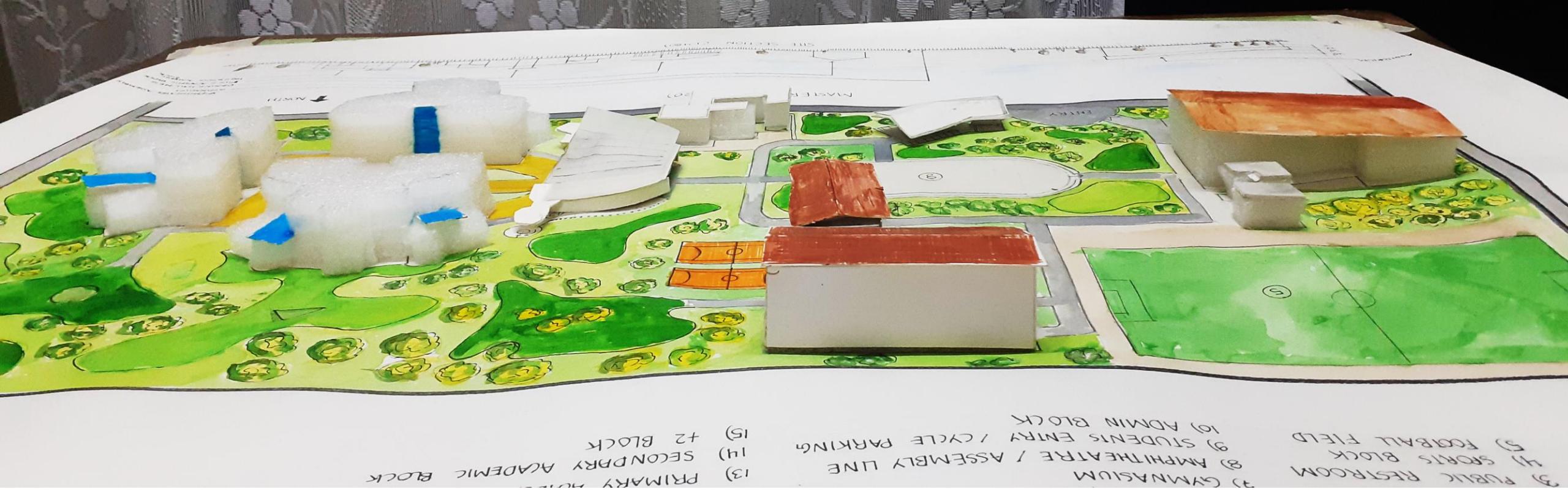
- 3D Model
Blow Ups
- Revit Renders
- Blender
Renders
- 3D Model
Video
- ClassRoom
Interiors
- Conclusion



3D SOUTH VIEW



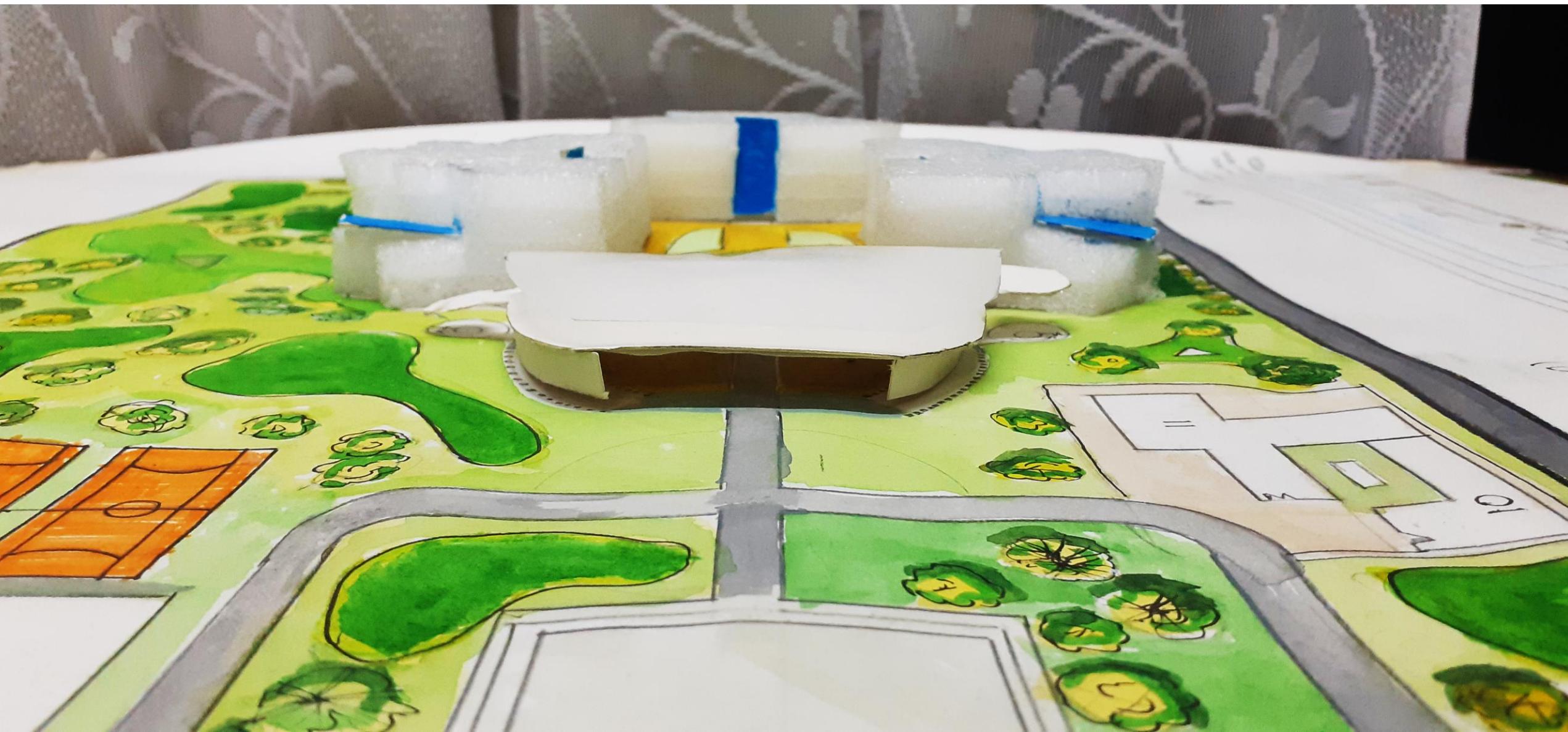
3D WEST VIEW



3D NORTH VIEW



3D EAST VIEW

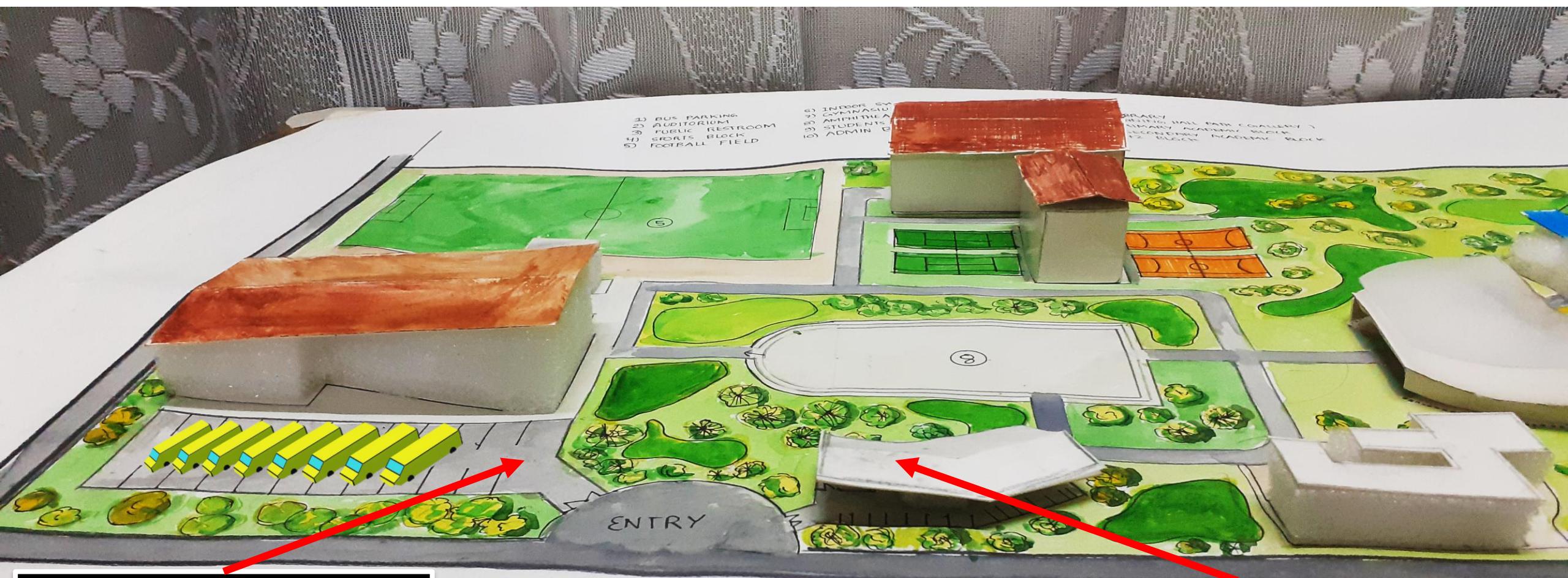


3D ASSEMBLY LINE TO ACADEMIC BLOCK PATH



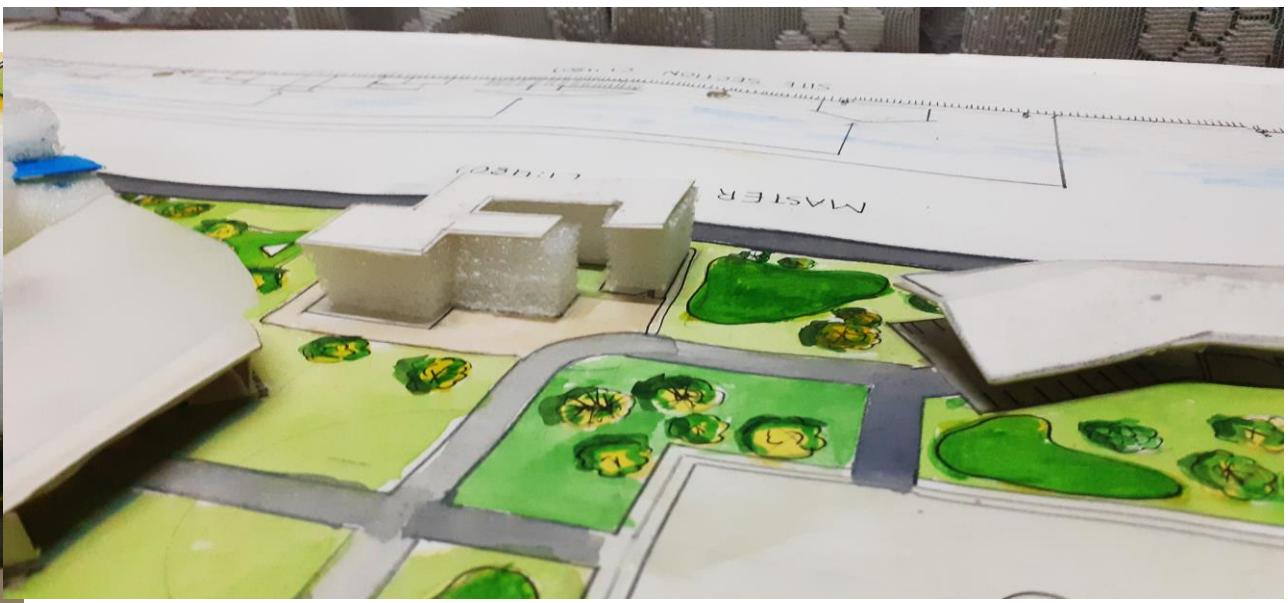
3D ACADEMIC PATHWAY

C1:U80)

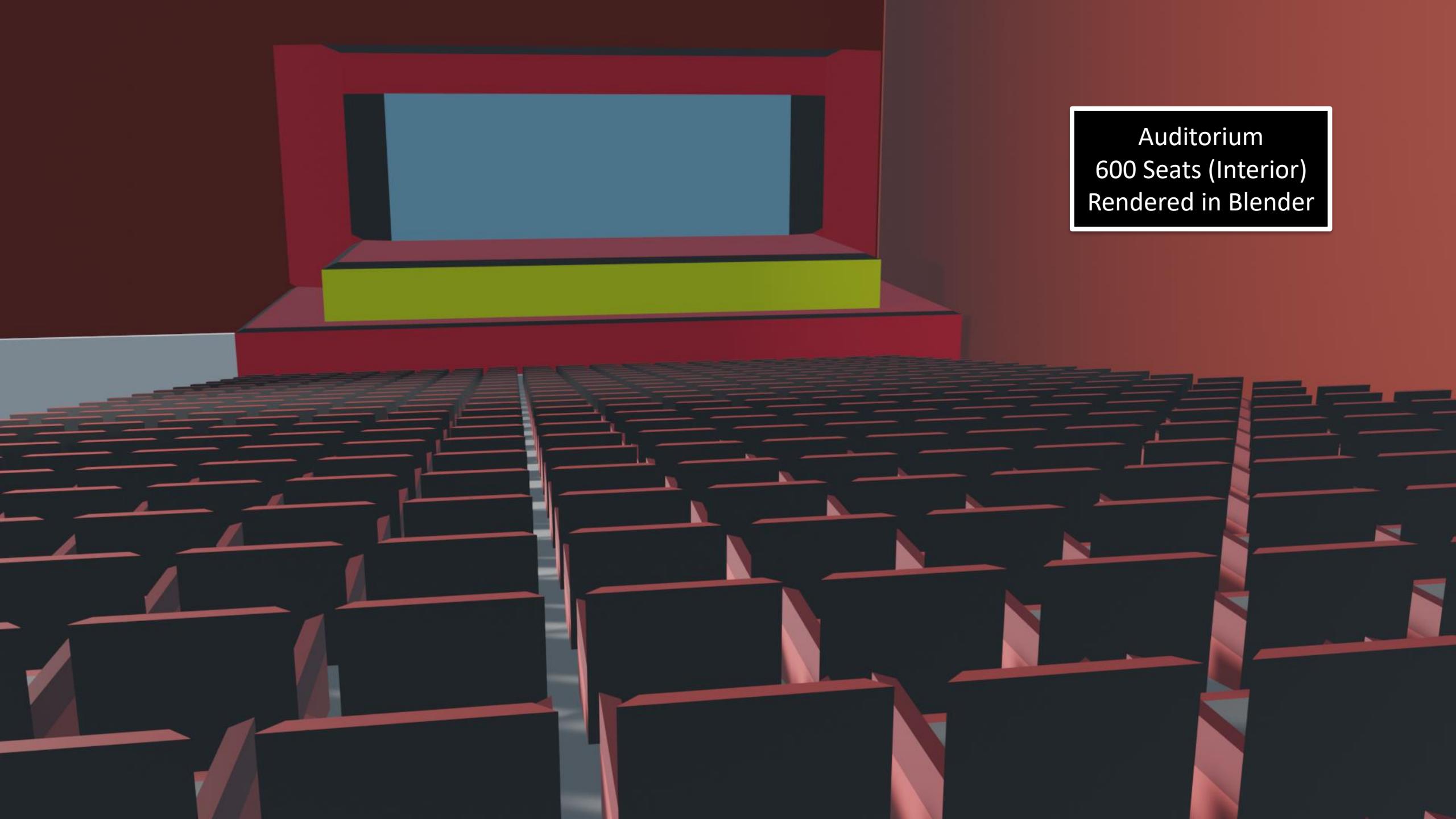


Parking
For 8 Buses and 20 Cars
170'*60'

Cycle Parking
Purpose: For Student Entry and
Rain Shelter



3D VIEWS



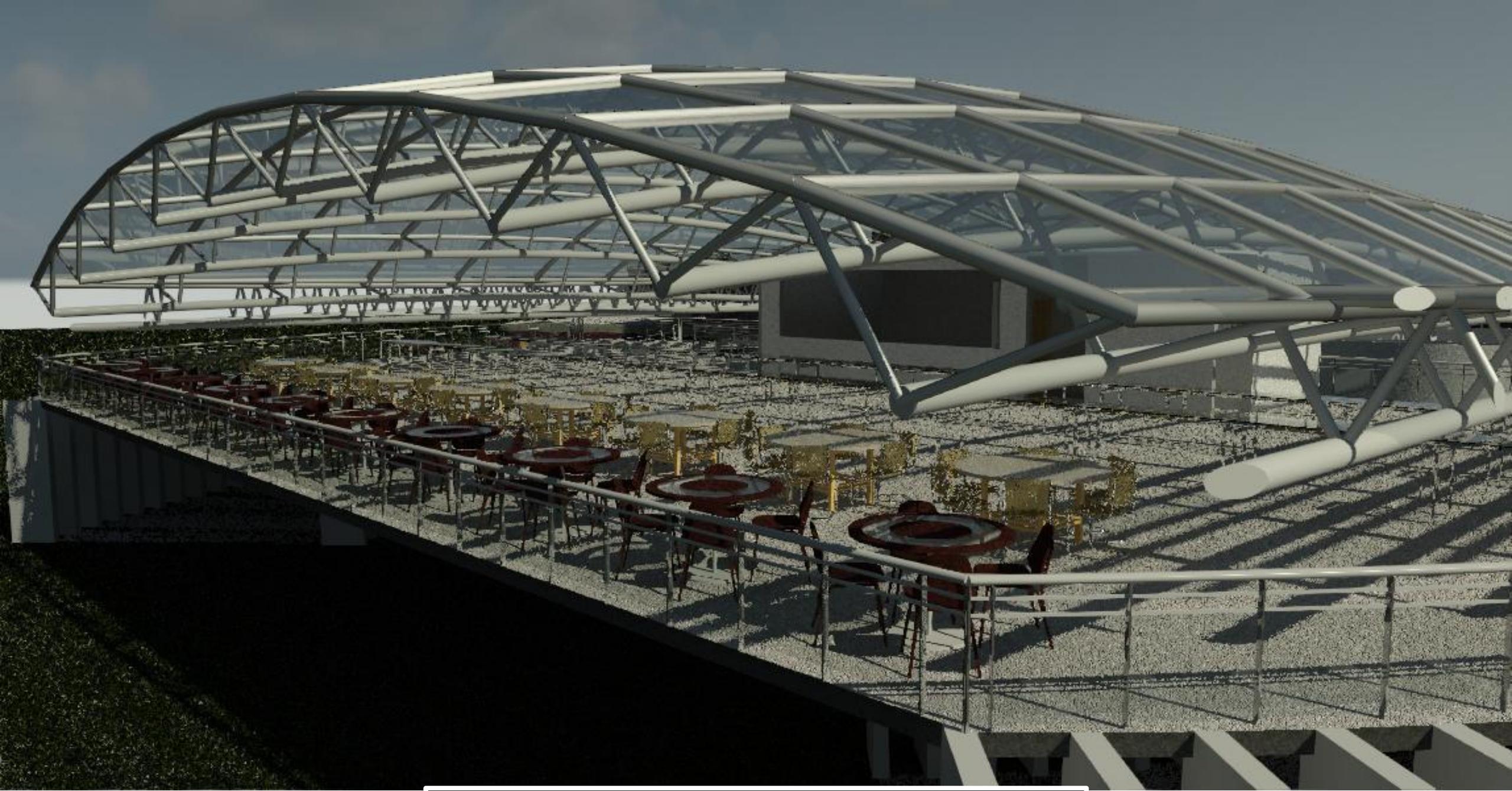
Auditorium
600 Seats (Interior)
Rendered in Blender



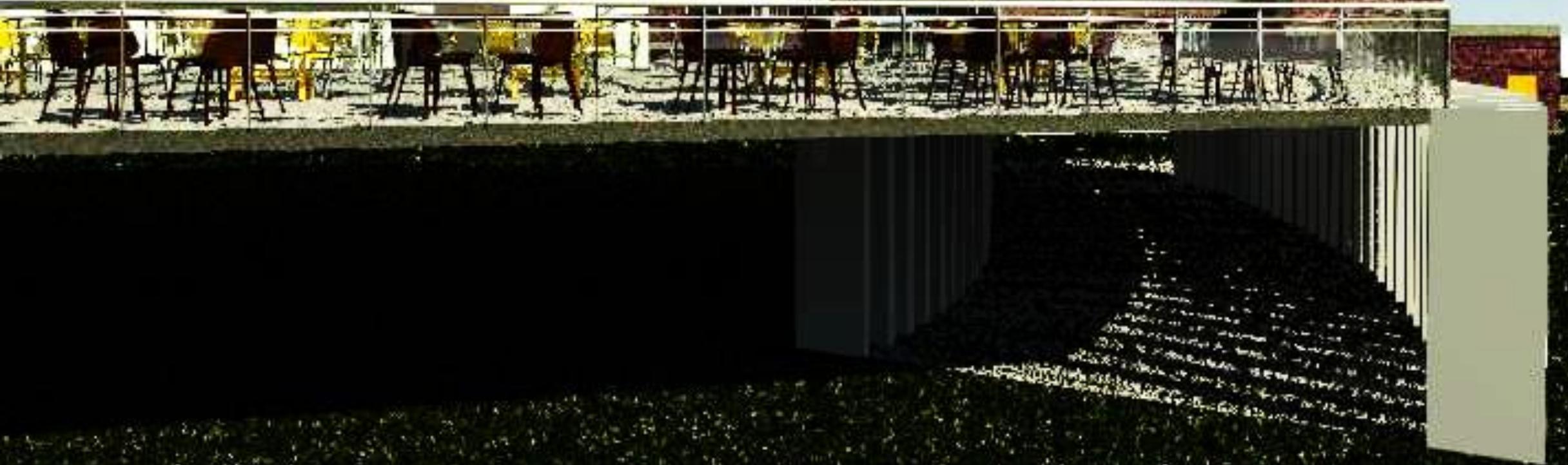
Classroom Render
30 Student Capacity
 $27' * 30'$ Dimensions
Rendered in Revit



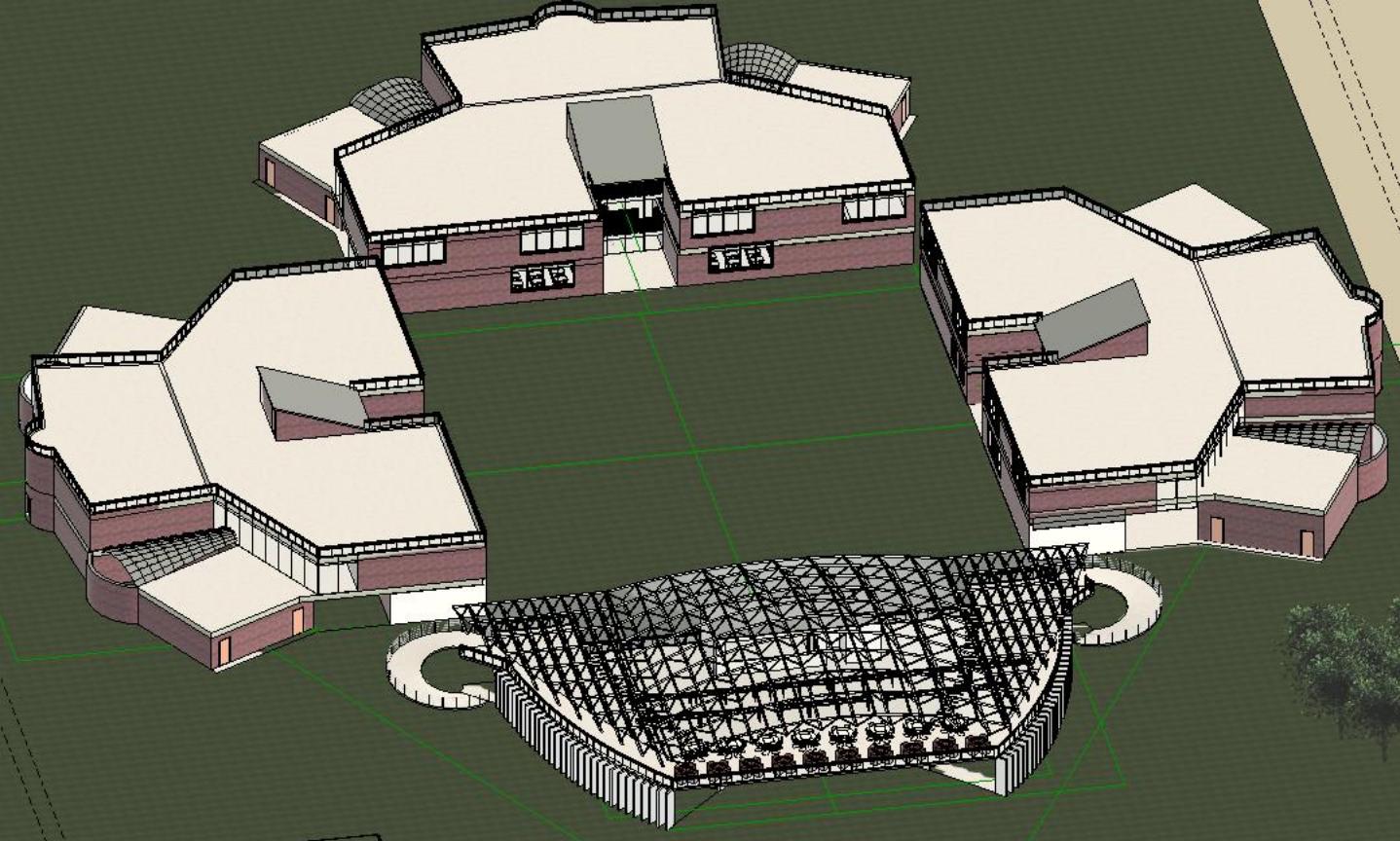
Stair Case
Rendered in Revit



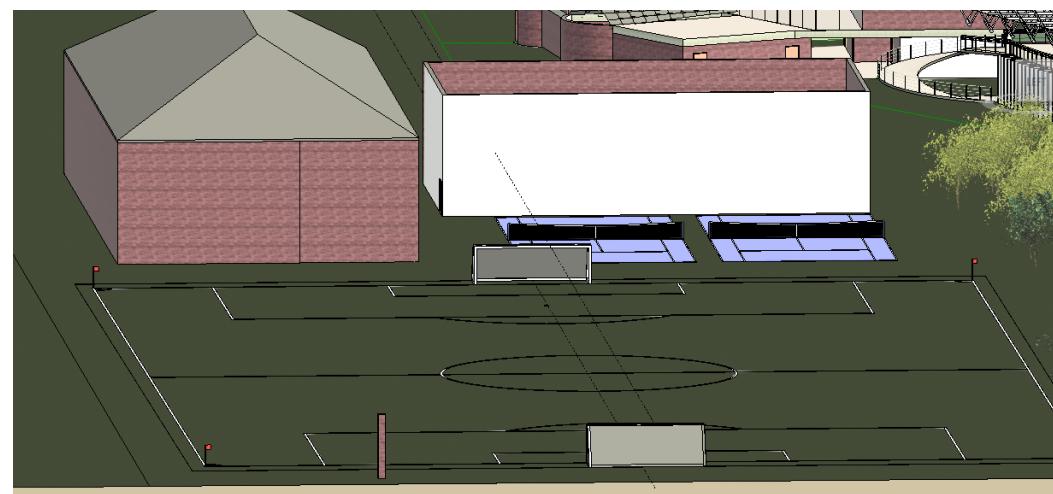
Dinning Hall (REVIT)



Pathway to Dinning Hall(REVIT)



3D View



Football Ground



The End

Thank you