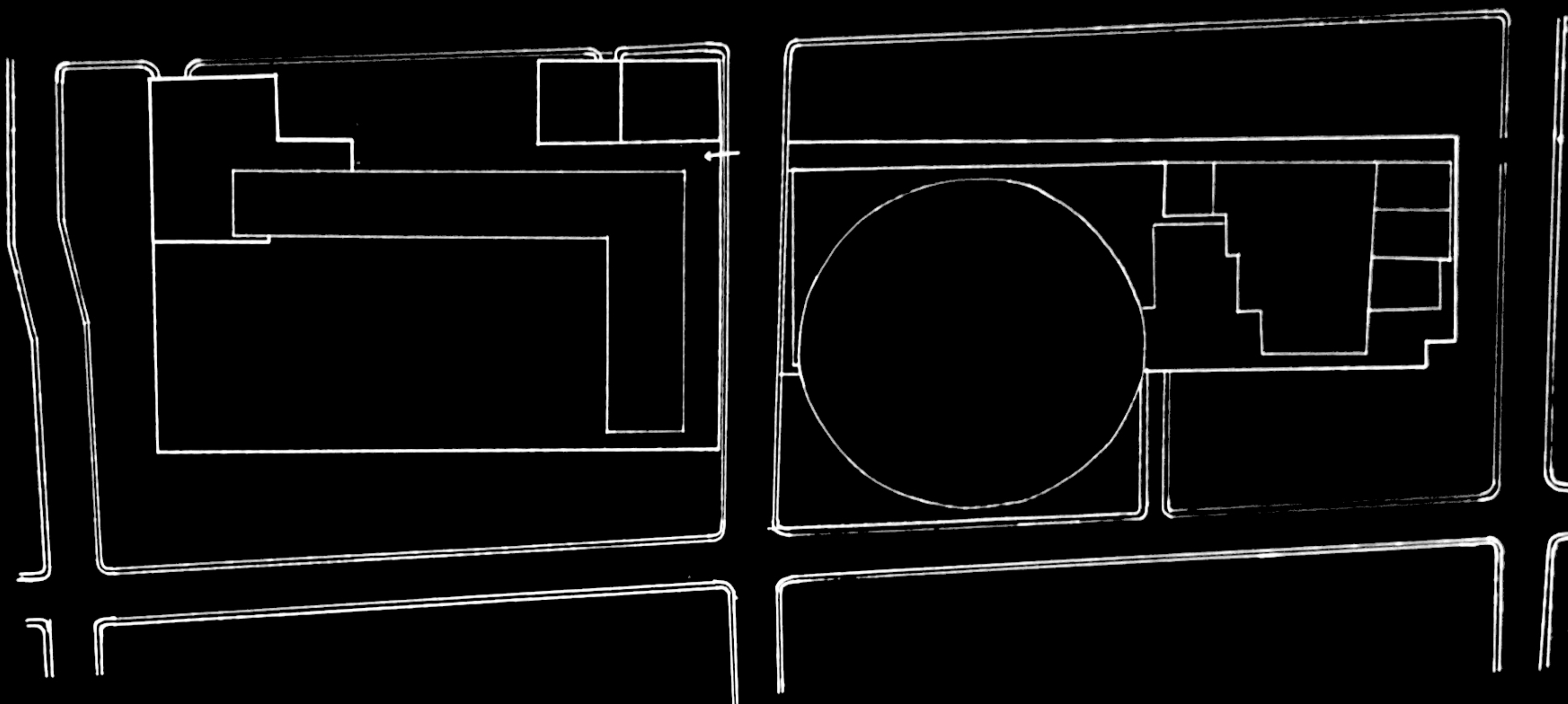




THE SHIV NADAR SCHOOL FARIDABAD (SNSE) IS THIRD SCHOOL OF THE GROUP. IT LOCATED BEHIND A PUBLIC GREEN BELT 30 TO 50m DEEP. AS LINEAR PLOT OF 600m LONG, SEPARATED BY MIDDLE ROAD, THE SOUTH SIDE IS DEDICATED TO PRE-PRIMARY, PRIMARY, MIDDLE AND SENIOR SCHOOL BUILDING AS L-SHAPE LINEAR BUILT POROUS QUALITIES ON THE NORTH SIDE.

THE MULTIPURPOSE HALL USED FOR SPORT ACTIVITIES AS WELL AS 1000 SEAT AUDITORIUM IS IN A SEMI-BASEMENT WITH COVERED POOL.

SYLLABUS:

CBSE - CENTRAL BOARD OF SECONDARY EDUCATION

IGCSE - INTERNATIONAL GENERAL CERTIFICATE OF SECONDARY EDUCATION

TEACHER STUDENT RATIO
1:9

BUILT UP AREA : 6394 m²
NUMBER OF STAIR : 4

ACCESSIBILITY:

THE SCHOOL IS DESIGNED TO BE ACCESSIBLE AND INCLUSIVE WITH RAMP, ELEVATORS AND ACCESSIBLE RESTROOM.

SUSTAINABLE DESIGN:

THE SCHOOL INCORPORATES SUSTAINABLE DESIGN ELEMENT SUCH AS SOLAR PANELS, RAINWATER HARVESTING AND ENERGY EFFICIENT SYSTEM.

GREEN SPACE:

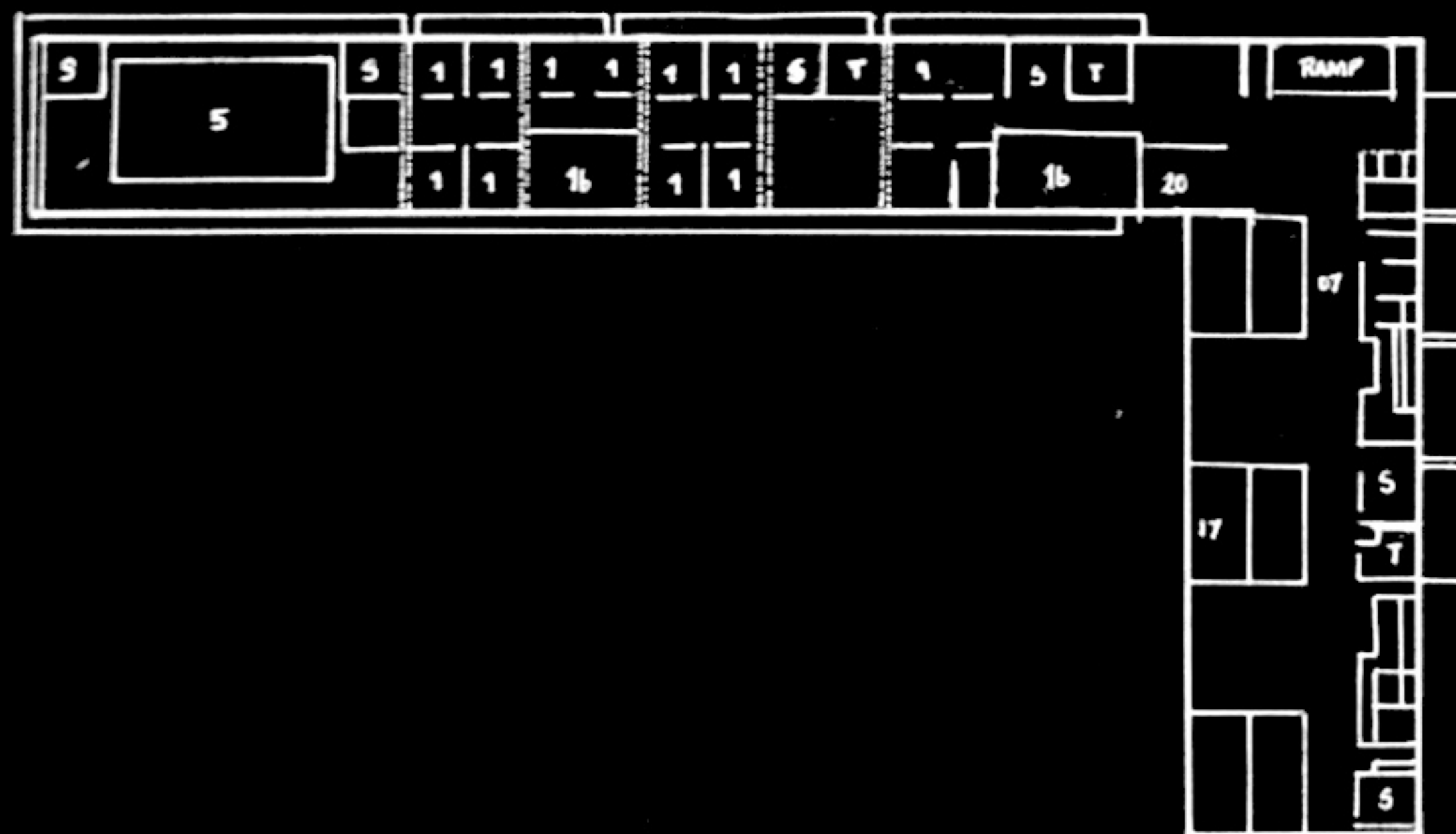
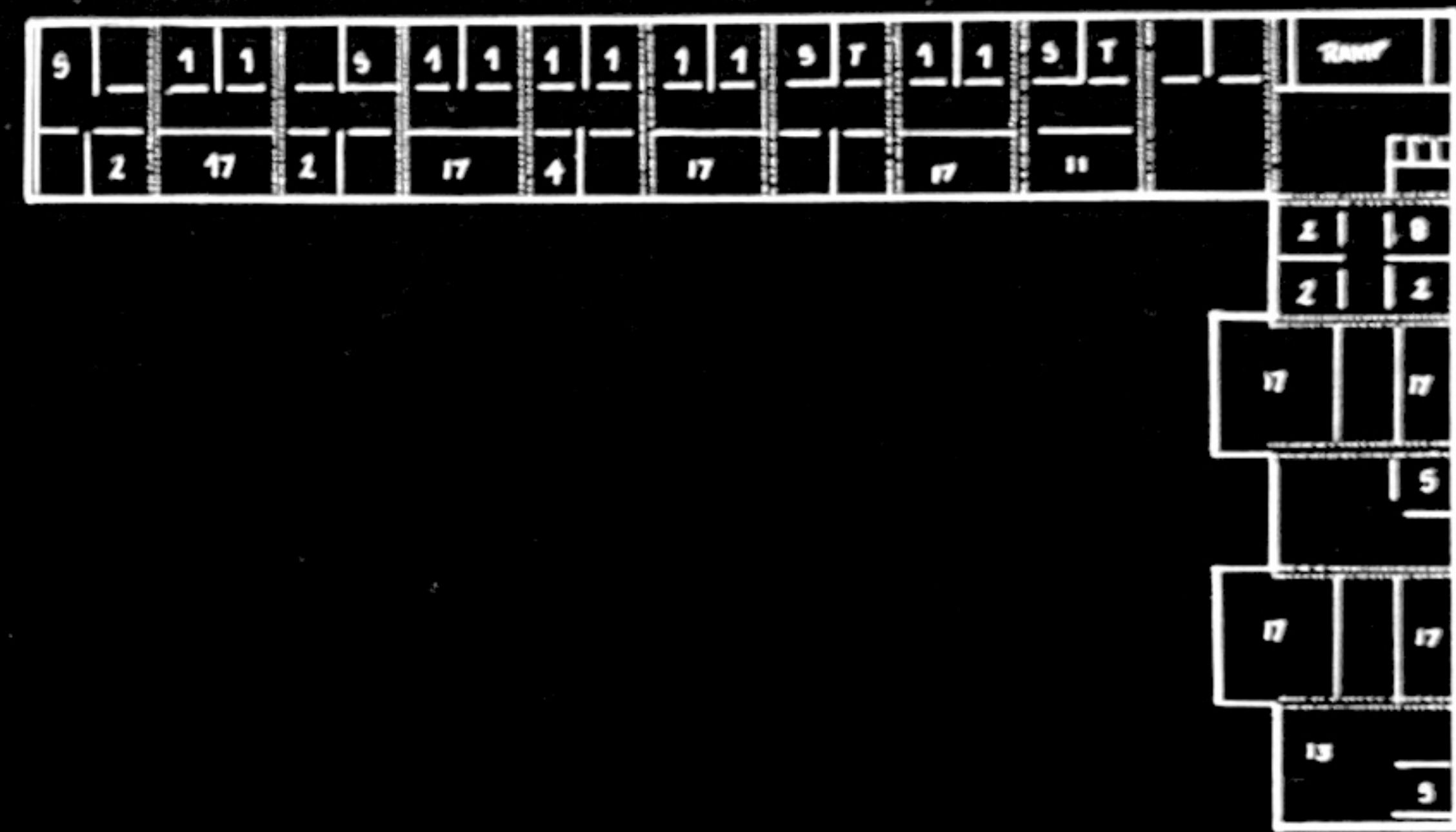
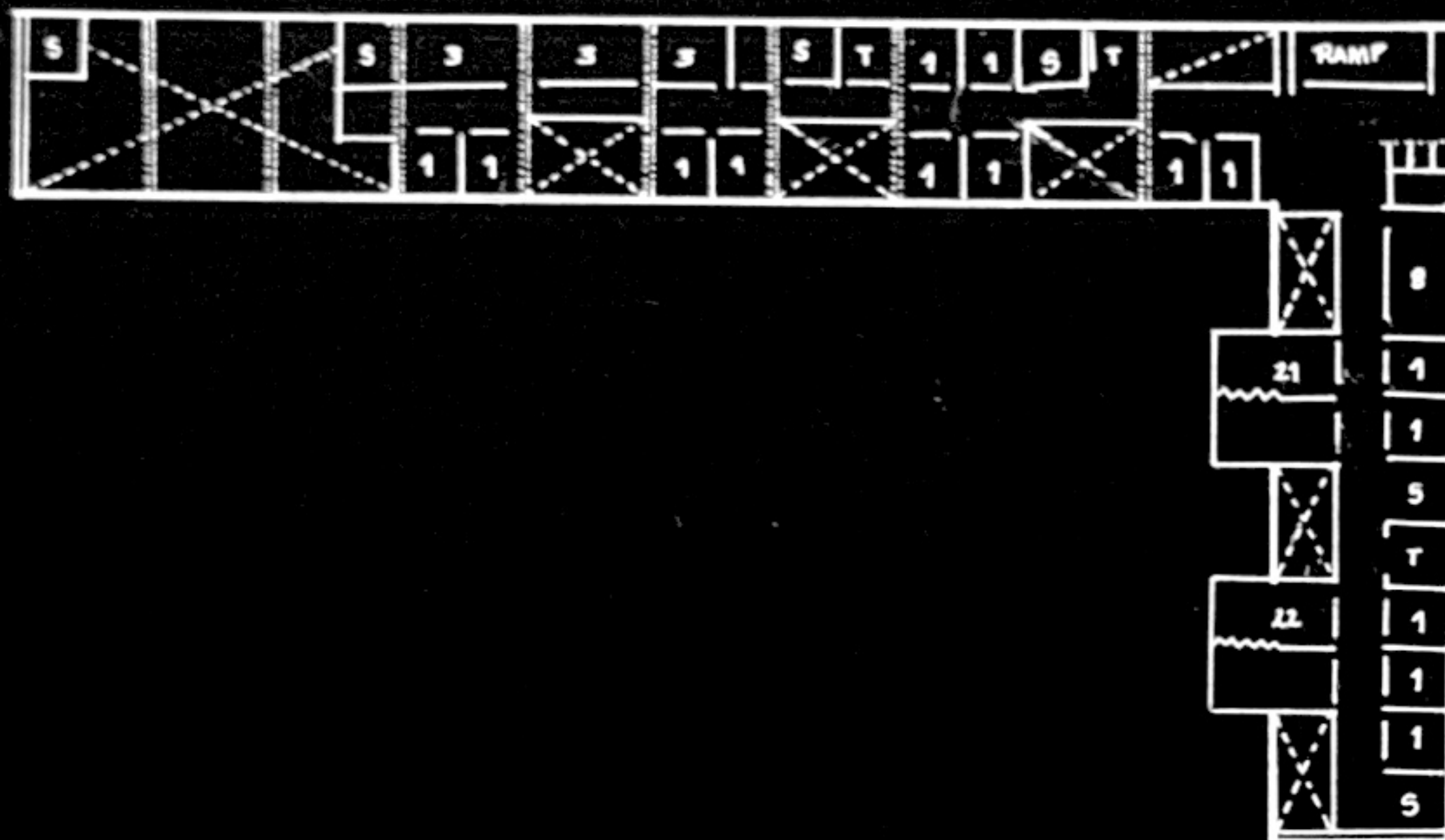
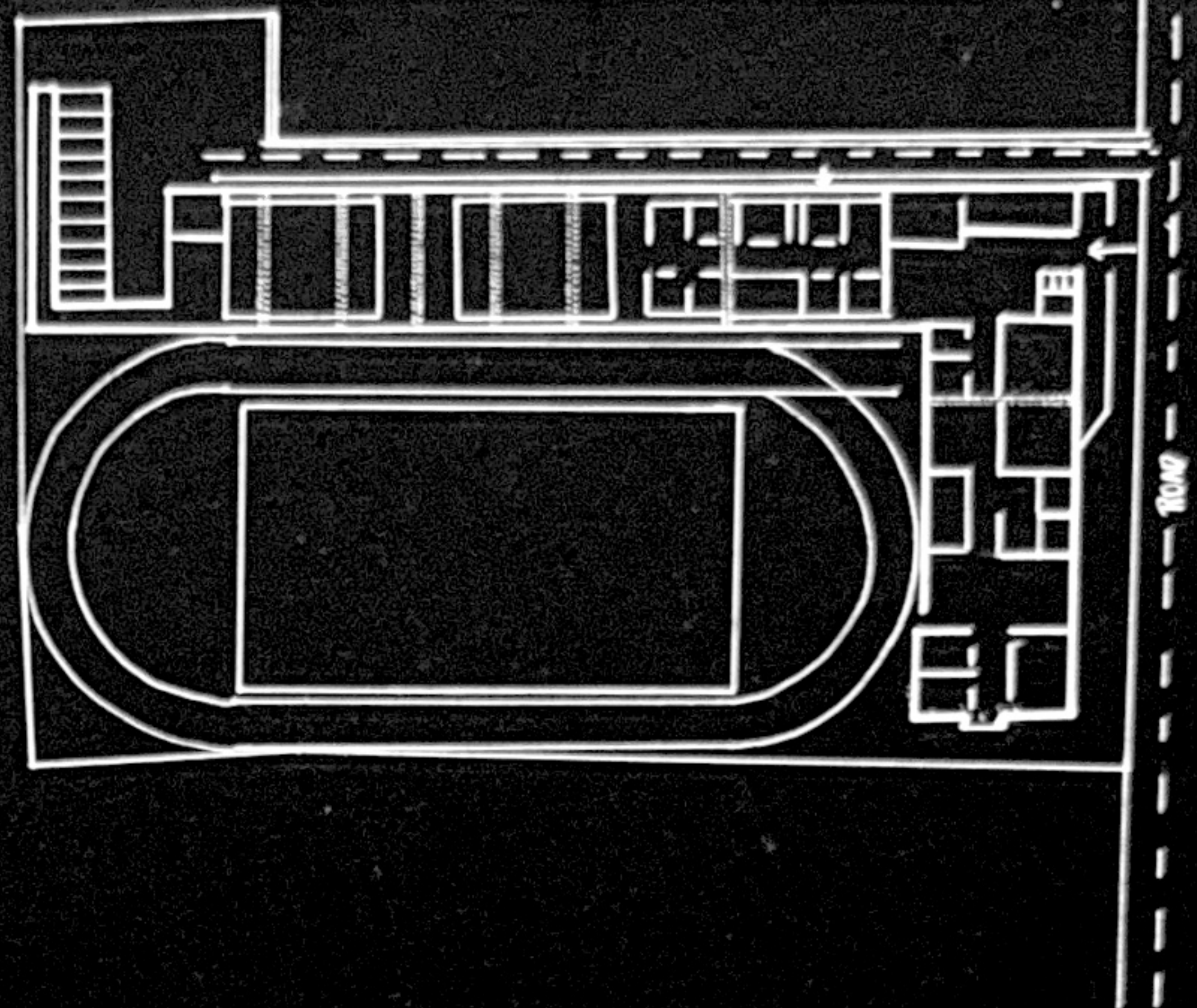
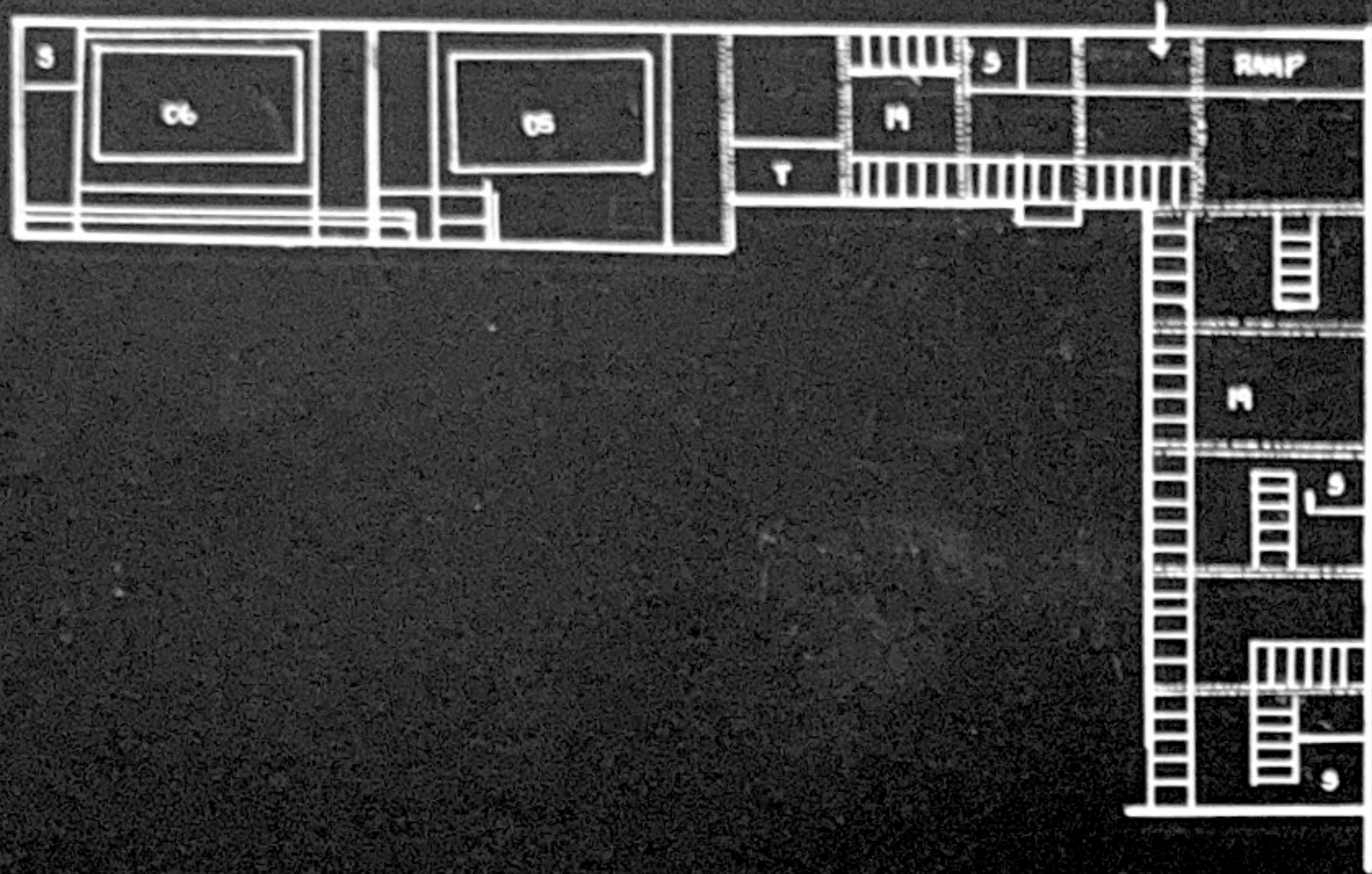
THE CAMPUS HAS EXTENSIVE GREEN SPACE, INCLUDING, PROVIDING A PEACE-FUL AND SERVES AS ATMOSPHERE. THESE GREEN OASES SERVES AS A TRANQUIL ESCAPE FOR STUDENTS.

THE ORIENTATION OF THE BUILDING IS LIKE THE HAUZ KHAS COMPLEX THAT FACES THE DOMINANT WINDS OF NORTH AND WEST FROM OCTOBER TO JUNE FOR OPTIMAL CROSS VENTILATION FROM THE GREEN BELT AND FIELDS.

CROSS VENTILATIONS:

THE SCHOOL LAYOUT IS DESIGNED TO MAXIMIZE VENTILATION REDUCING THE NEED OF THE AIR CONDITIONS AND CREATING A COMFORTABLE LEARNING ENVIRONMENTS.

01 LITERATURE CASE STUDY

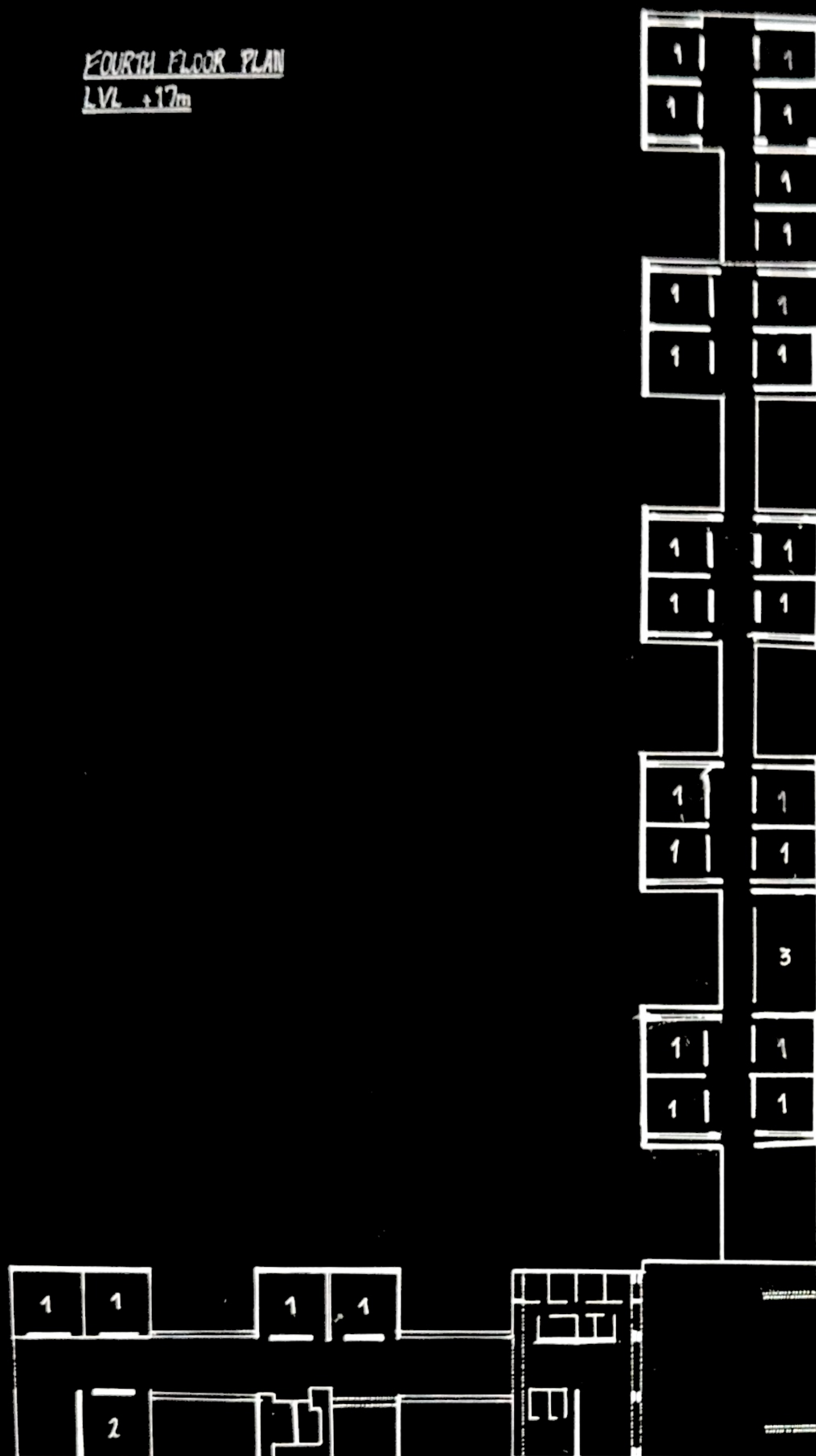


1. CLASS ROOM
1. SCIENCE LAB
3. COMPUTER LAB
4. ART ROOM
5. MULTI PURPOSE AREA
6. SWIMMING POOL
7. DINING HALL
8. FACULTY STAFF ROOM
9. CONFERENCE
10. OFFICE

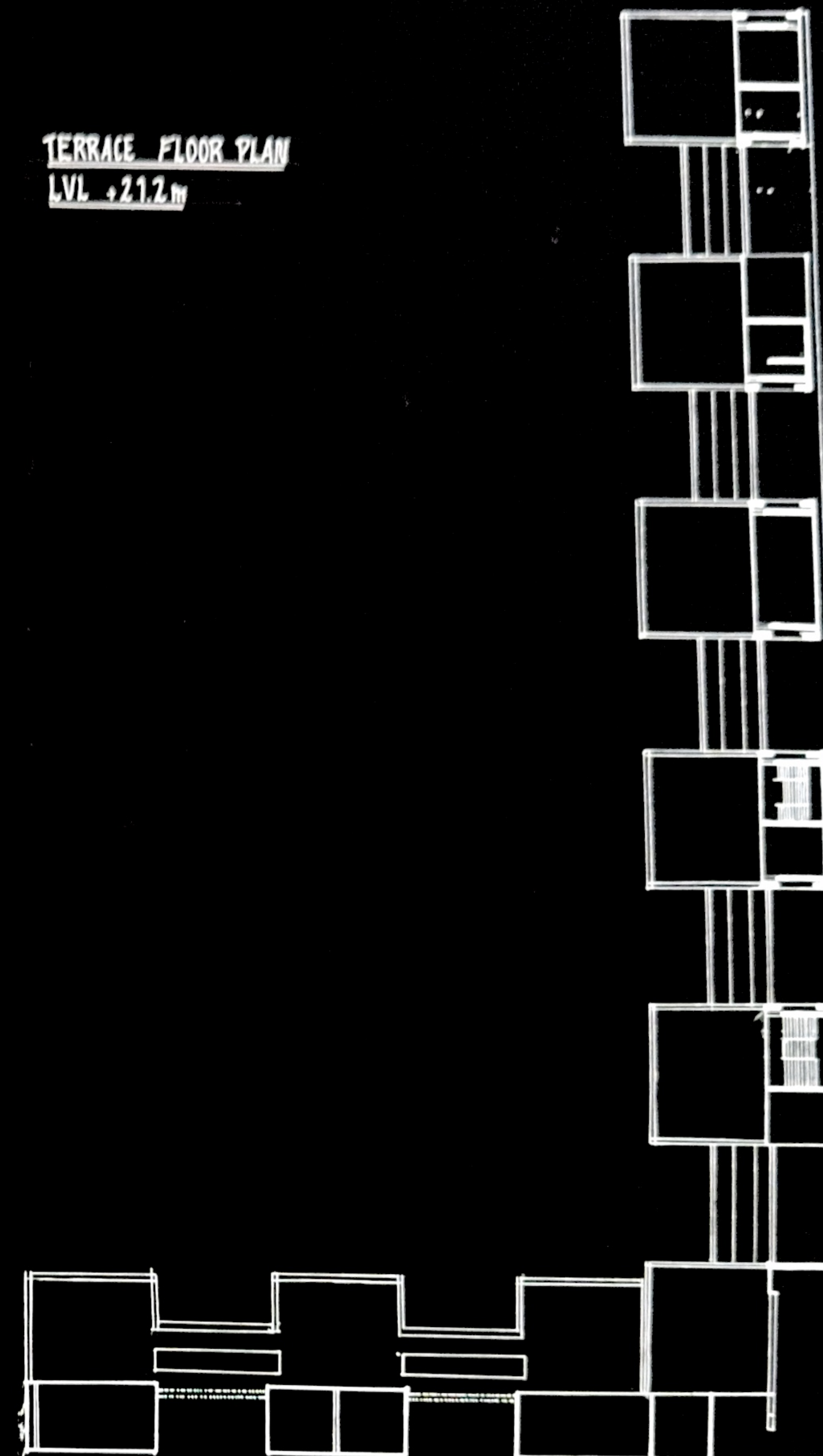
11. THEATRE
12. LIBRARY J
13. LIBRARY S
14. SQUASH COURT
15. STAFF LOUNGE
16. VERANDAH
17. TERRACE
18. SERVICE
19. CAREER CELL
20. DANCE ROOM

1.1 LITERATURE CASE STUDY

FOURTH FLOOR PLAN
LVL +17m



TERRACE FLOOR PLAN
LVL +21.2m



- | | | |
|-------------------------|--------------------------------|--------------------------|
| 1. CLASS ROOM (8x8)m | 8. FACULTY STAFF ROOM (15x10)m | 15. SUPPORT STAFF LOUNGE |
| 2. SCIENCE LAB | 9. CONFERENCE ROOM | 16. VERANDAH |
| 3. COMPUTER LAB (15x8)m | 10. OFFICE | 17. TERRACE |
| 4. ART ROOM | 11. THEATRE | 18. SERVICES |
| 5. MULTI-PURPOSE AREA | 12. JUNIOR LIBRARY | 19. PARKING |
| 6. SWIMMING POOL | 13. SENIOR LIBRARY | 20. CAREER CELL |
| 7. DINING HALL | 14. SQUASH COURT | 21. DANCE ROOM |

1.2 LITERATURE CASE STUDY

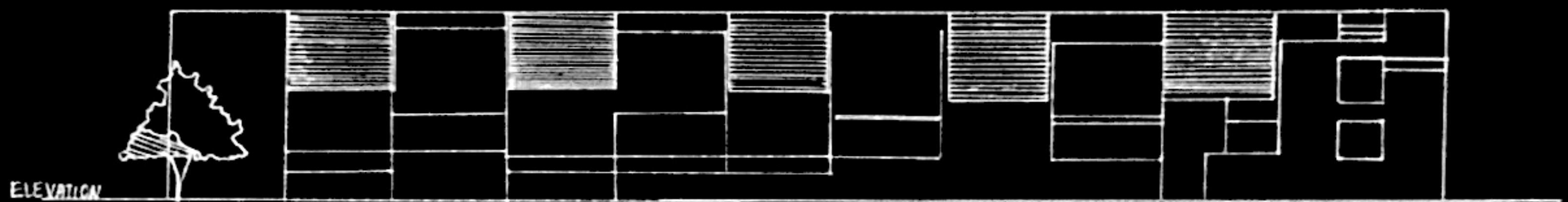
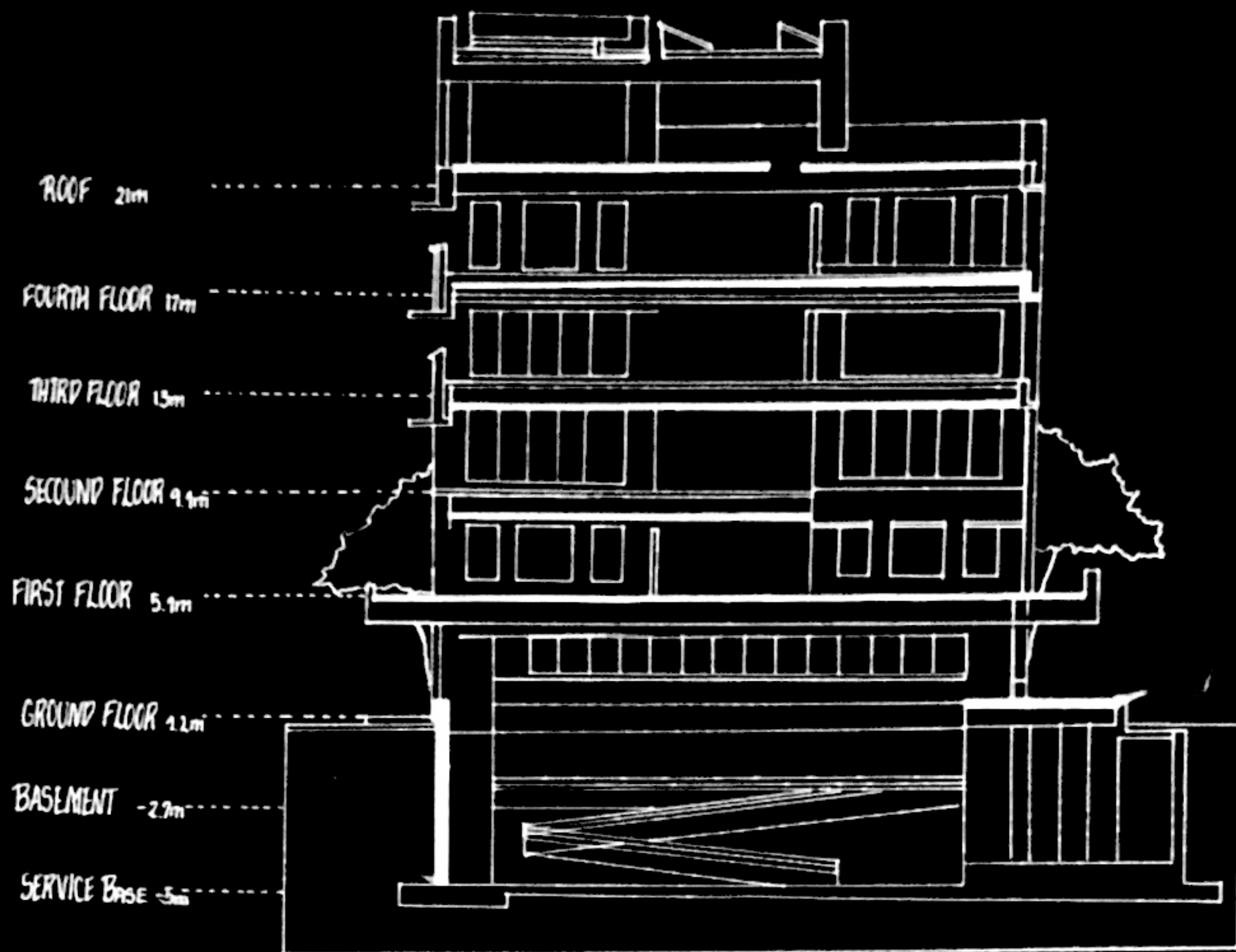
PRAVIN D

712123251011

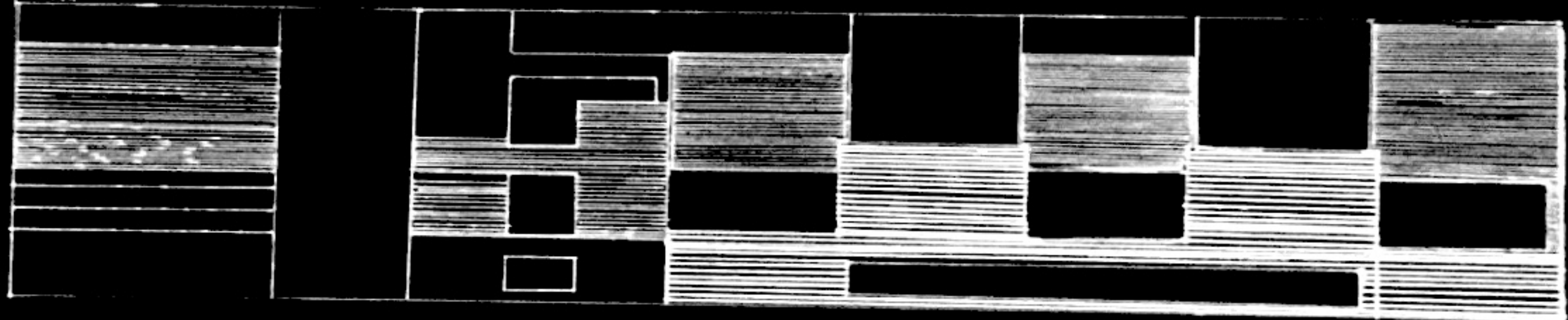
BATCH 2013

INDIAN STUDY

SECTION



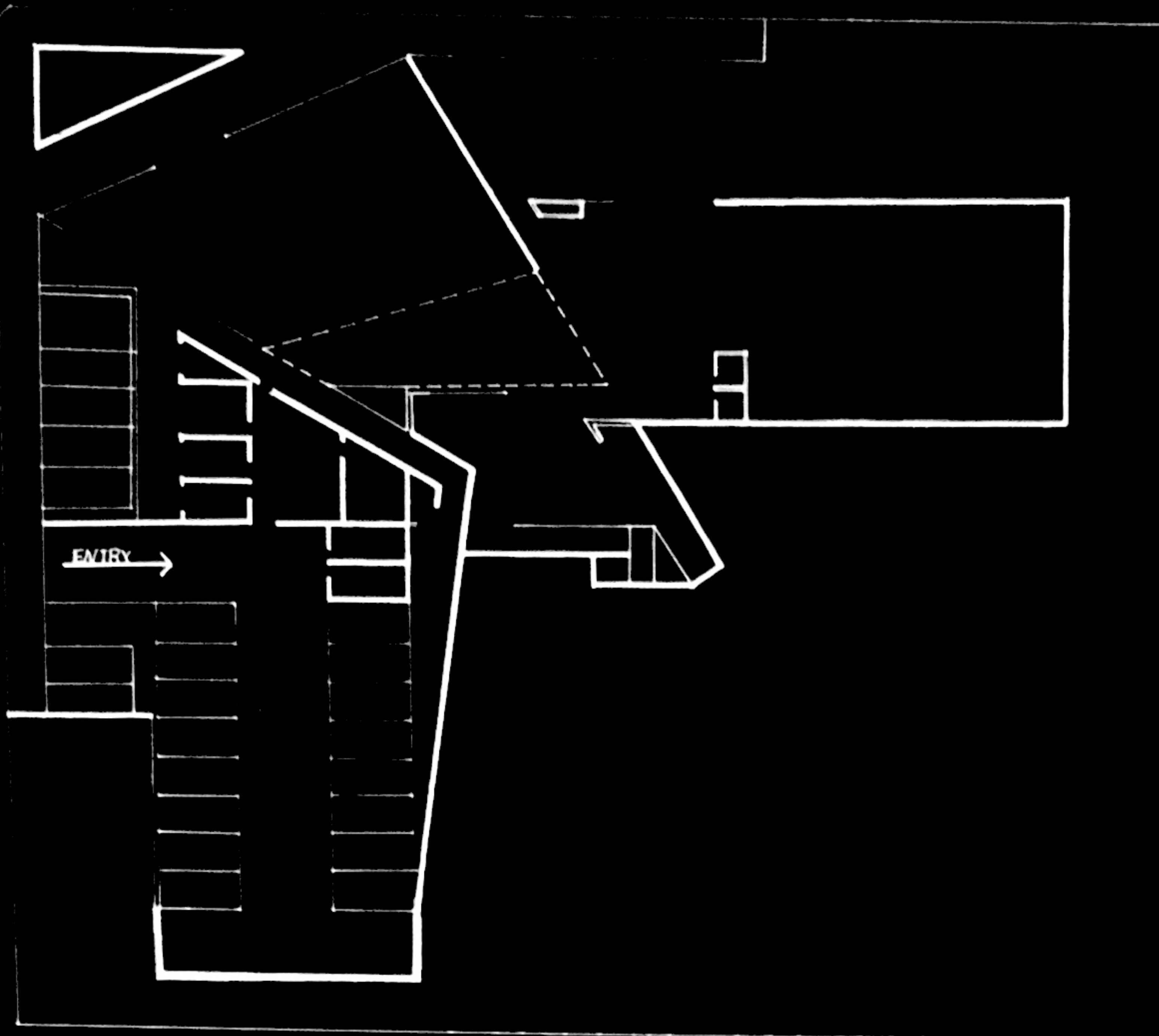
ELEVATION



1.3 LITERATURE CASE STUDY

DOMUM

SCHOOL



THE IMPLEMENTATION WAS CARRIED OUT ON THE OUTSKIRTS OF THE SITE, THE 3,700m² BUILDING WAS LOCATED ON CORNER SITE WITH LARGE FRONT FACING NORTH AND WEST.

THE CLASSROOM FACE EAST AND NORTH AND THE SPORTS COURT FACES WEST BUT IS PROTECTED BY A METAL ROOF.

THE COURTYARD, WHICH HAS AN IRREGULAR SHAPE, IS HEAT OF SCHOOL AND INCLUDES IN ADDITION TO A VIEW OF THE ENTIRE SPACE, A SMALL AMPHITHEATRE FOR STUDENT PRESENTATION.

THE ENTRY SET IS MADE UP OF A STRUCTURE OF PILLARS, BEAM AND SLAB ALL MADE OF REINFORCED CONCRETE.

THE FIRST FLOOR HAS THE CANTEEN, SPORTS COURT, CLASSROOMS AND CHILDREN'S SECTION. THE SECOND FLOOR, ALSO EDUCATIONAL, HAS CLASSROOM, A LIBRARY AND LABORATORIES. THE FOUR-METER SLOPE WAS OVERCOME BETWEEN THE ARRIVAL LEVEL AND THE FIRST FLOOR THROUGH RAMPS AND STAIR DISTRIBUTED ACROSS SEVERAL PLATEAUS, FORMING A CENTRAL LEISURE COURTYARD FOR STUDENT.

NO OF CLASSROOM: 20

NO OF BOYS TOILET : 4

NO OF GIRL RESTROOM : 4

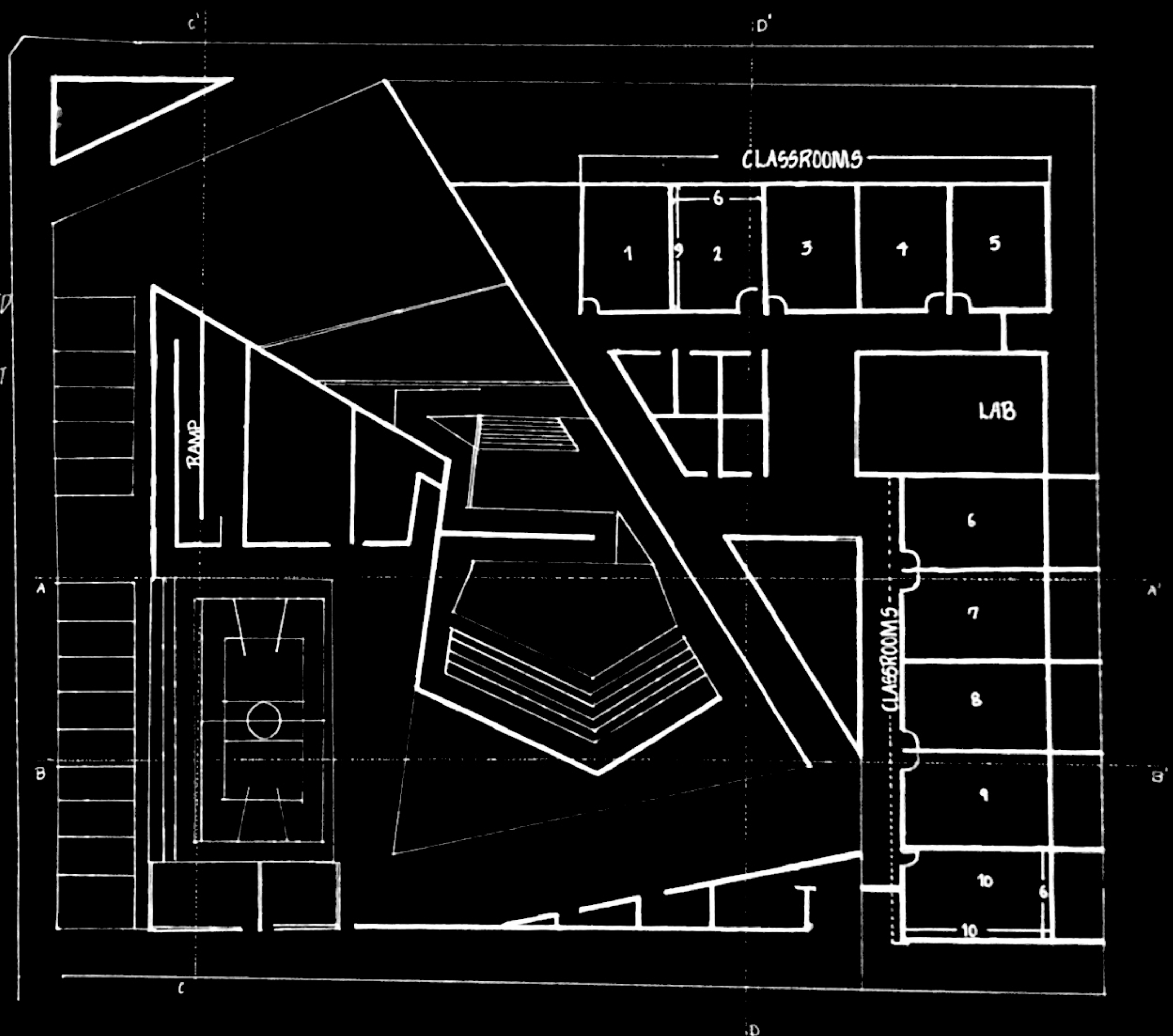
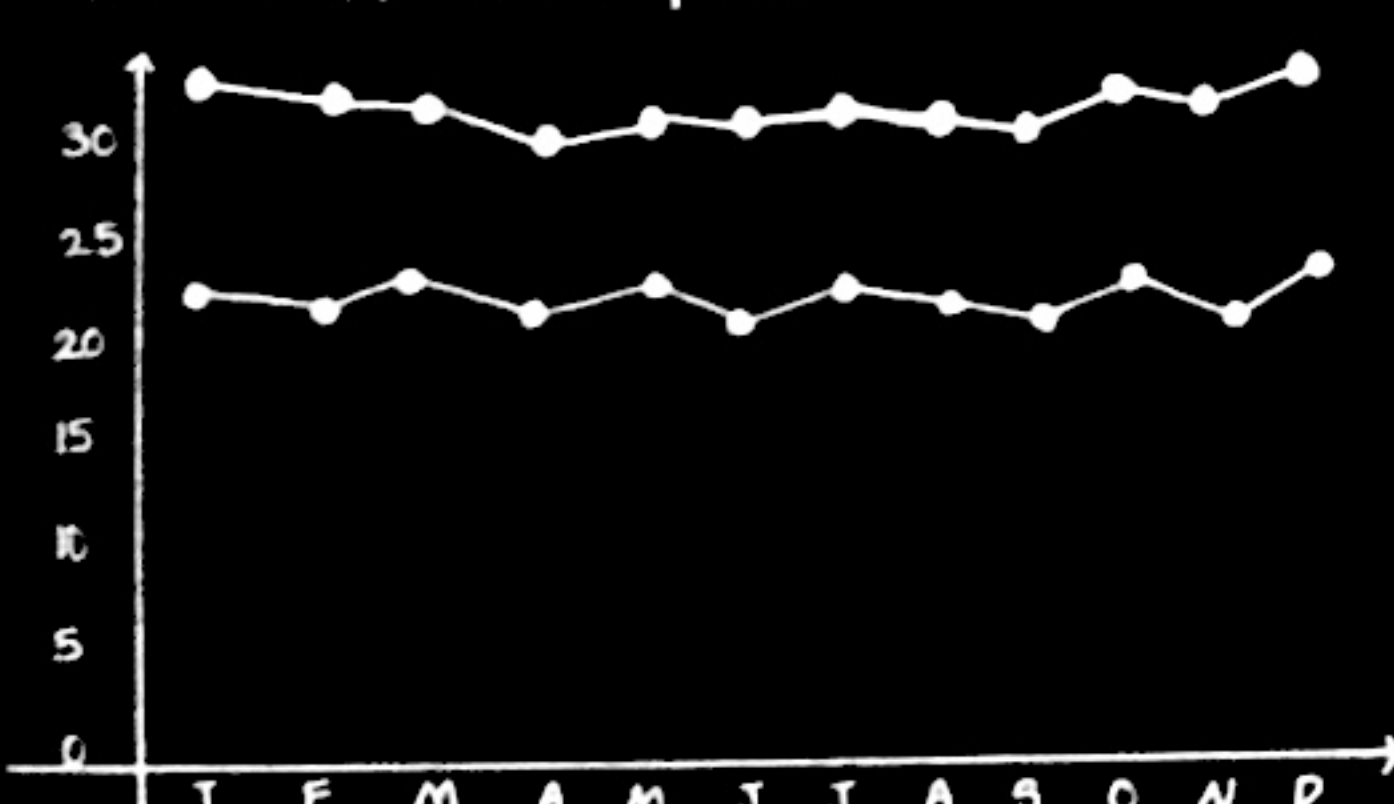
NO OF SERVICE ROOM : 2

NO OF LAB : 2

NO OF ENTRY : 2

RAMP RATIO : 1:15

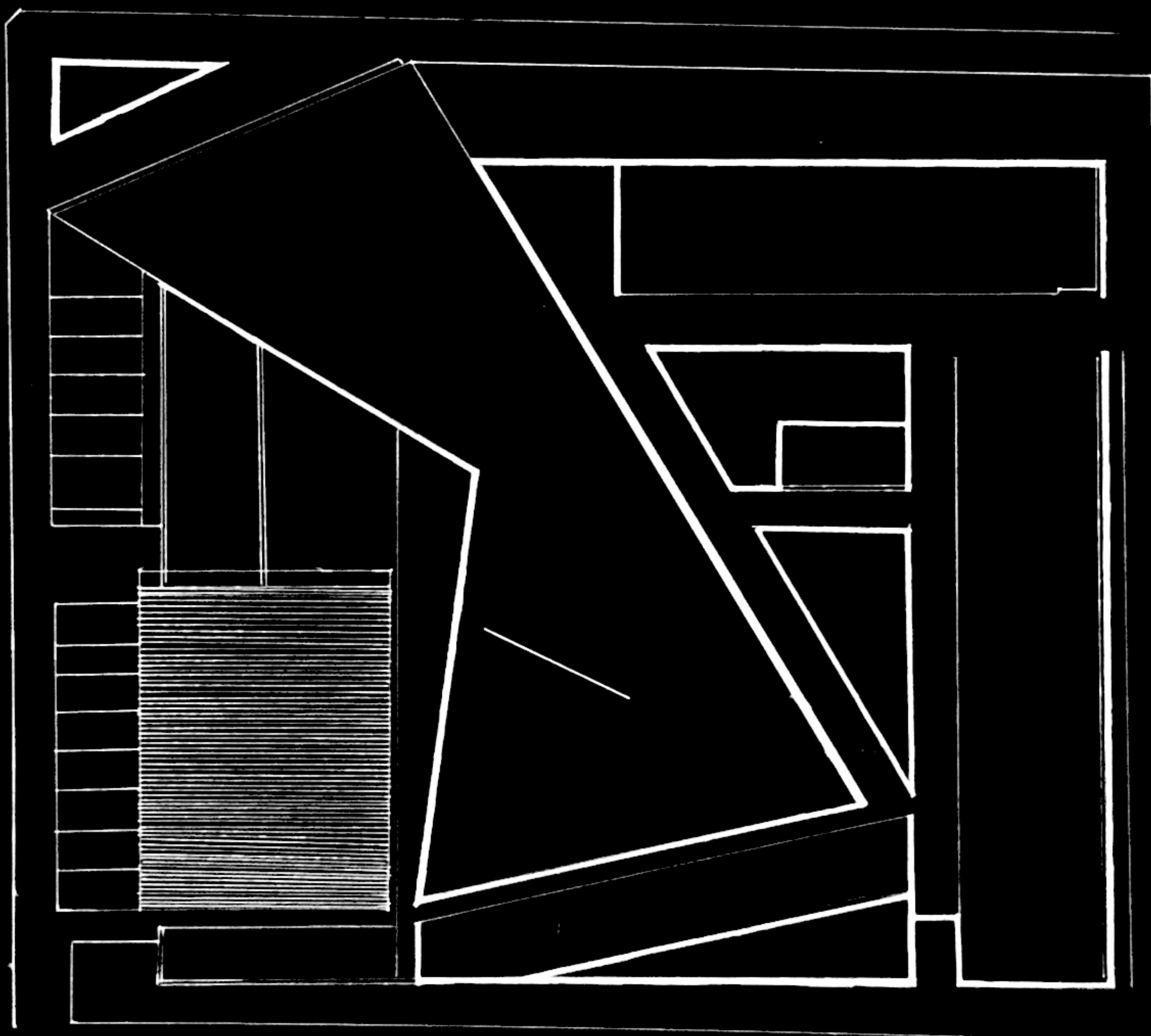
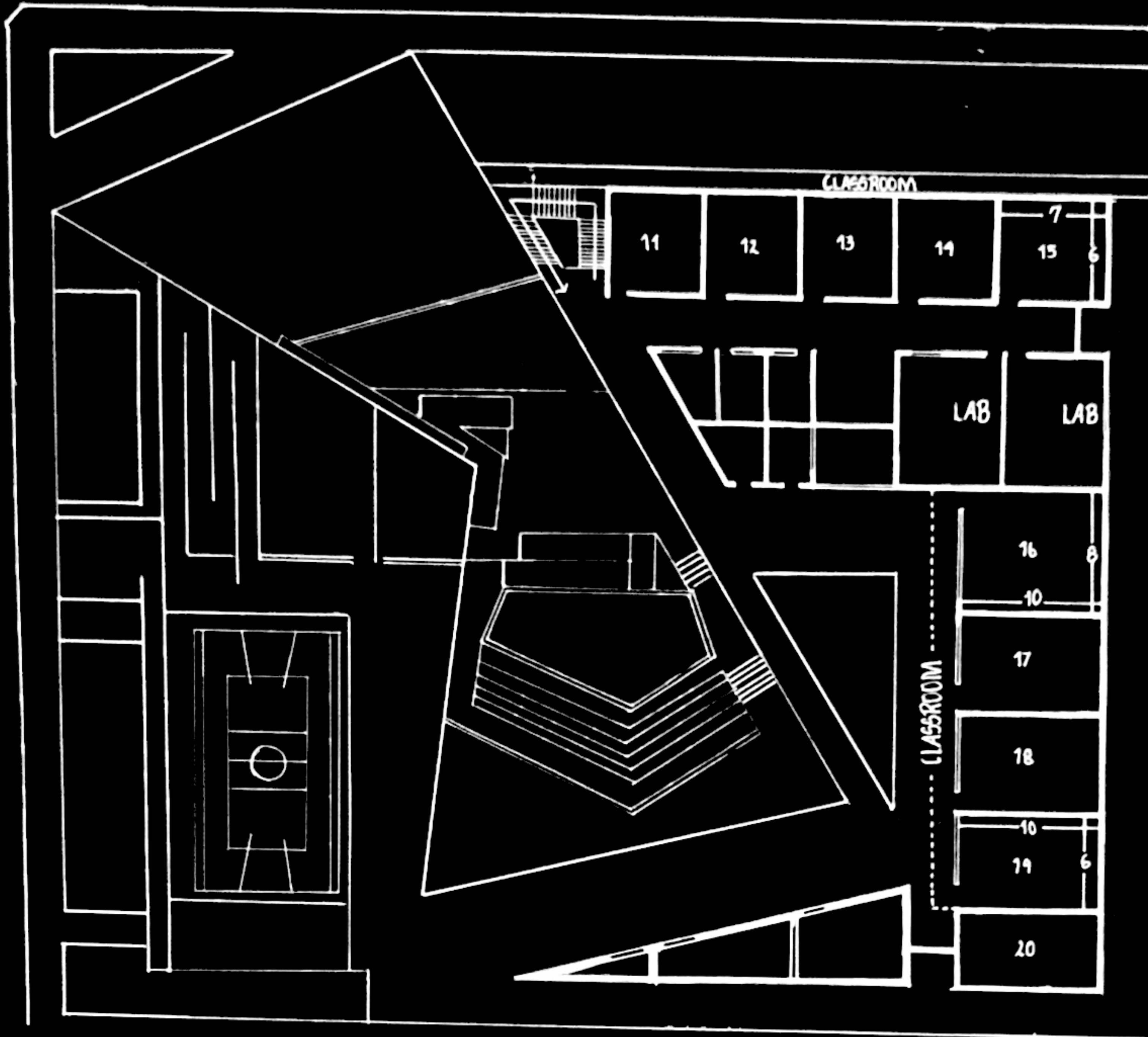
NO OF CAR PARKING : 28



02 LITERATURE CASE STUDY

PRAVIN D 712123251011 BATCH 2023 ABROAD STUDY

↑
N

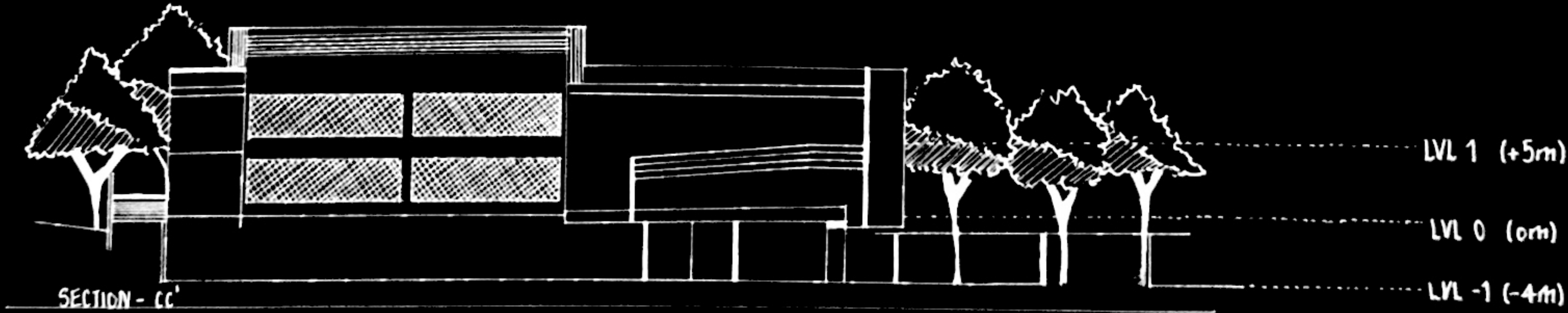
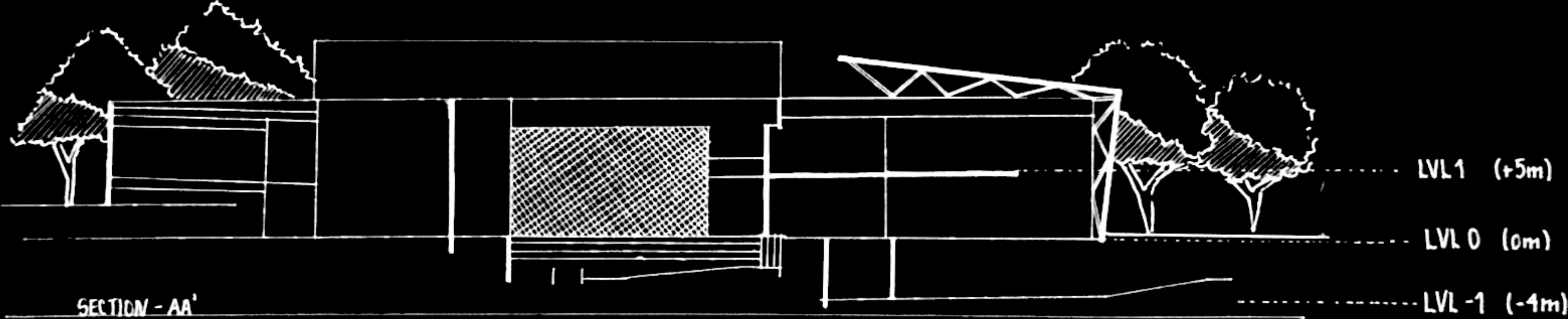
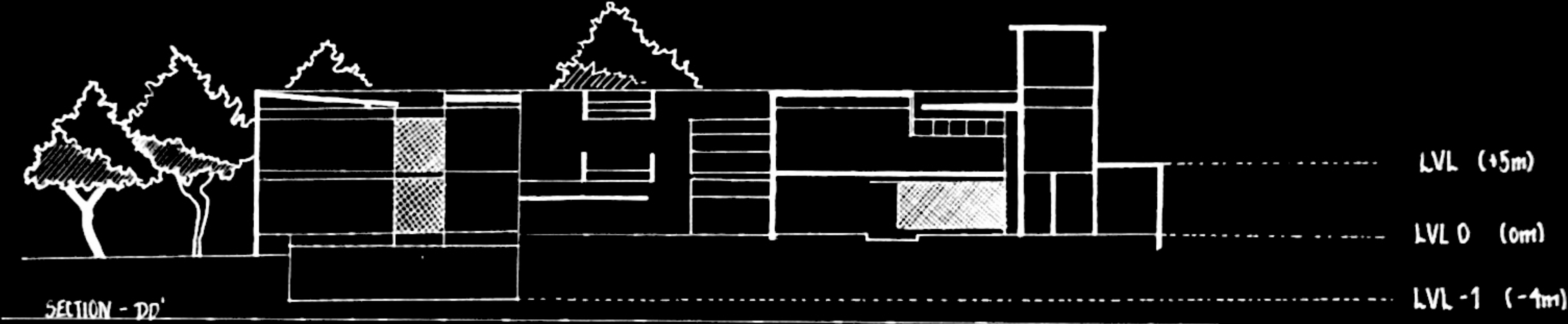
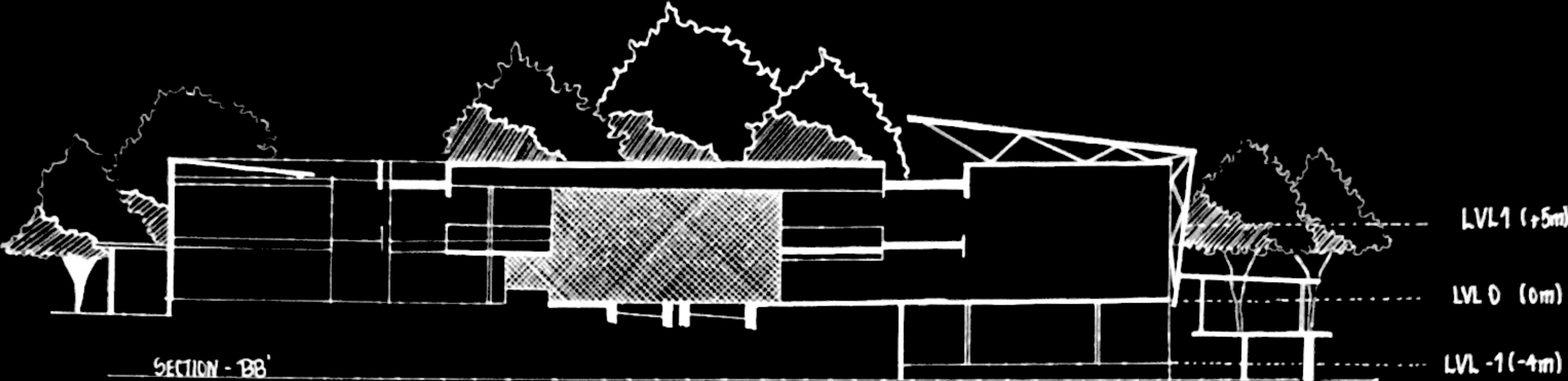


2.1 LITERATURE CASE STUDY

PRAVIN D 712123251011 BATCH 2023 ABROAD STUDY



SECTION



2.2 LITERATURE CASE STUDY

S

SITE'S SCENIC LANDSCAPE, RICH BIODIVERSITY AND ABUNDANT NATURAL RESOURCES MAKE IT IDEAL FOR HARMONIOUS, NATURAL INTEGRATED DESIGN.

W

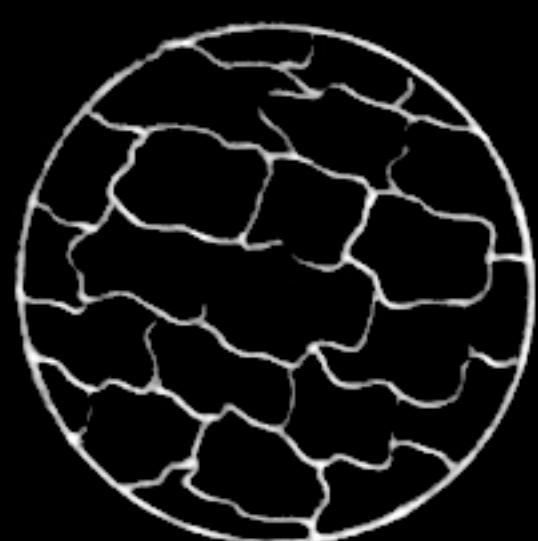
NARROW ROAD, LANDSLIDE RISKS AND LIMITED BUILDABLE SPACE DUE TO HILLY TERRAIN POSE CHALLENGES FOR TRANSPORTATION AND DESIGN COMPLEXITY.

O

GREEN LANDSCAPE ARCHITECTURE, ENABLES SUSTAINABLE INNOVATION AND CULTURAL PRESERVATION SITTING A REGIONALS.

T

RAINFALLS AND LANDSLIDE RISK STRUCTURAL STABILITY AND CONSTRUCTION DELAYS, SAFETY OF THE SCHOOL STUDENTS.



STONE



WOOD



ADobe

BY USING LOCALLY AVAILABLE MATERIALS TO HARMONIZE WITH THE TEA PLANTATION AND VILLAGE SURROUNDINGS



THE BUILDING IS ANGLED TO LET WINDS PASS THROUGH SMOOTHLY REDUCED PRESSURE AND MAINTAINING VENTILATION WITHOUT INCREASING THE COLD.

S

THE BUILDING FACES SOUTH FOR HEAT GAIN WITH A BUFFER ZONE TO REDUCE NOISE WITHOUT BLOCKING SUNLIGHT.

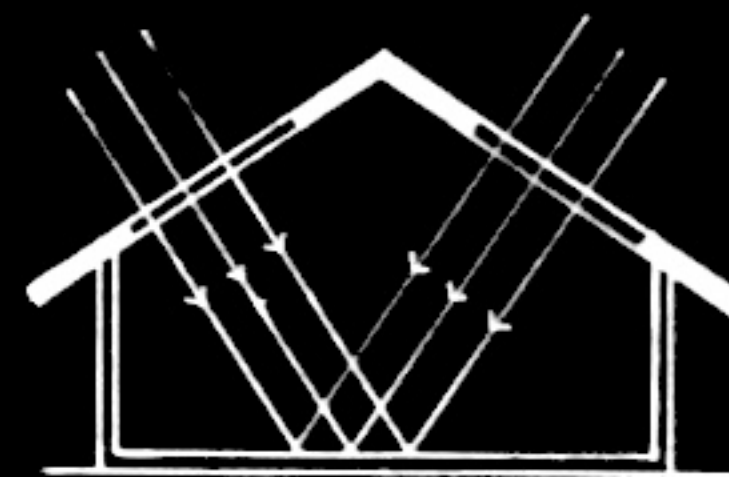


PRIORITIZING SOLAR ENERGY, RAINWATER HARVESTING FOR SUSTAINABLE DESIGN THAT SUPPORTS THE LOCAL ECOSYSTEM AND CLIMATE.

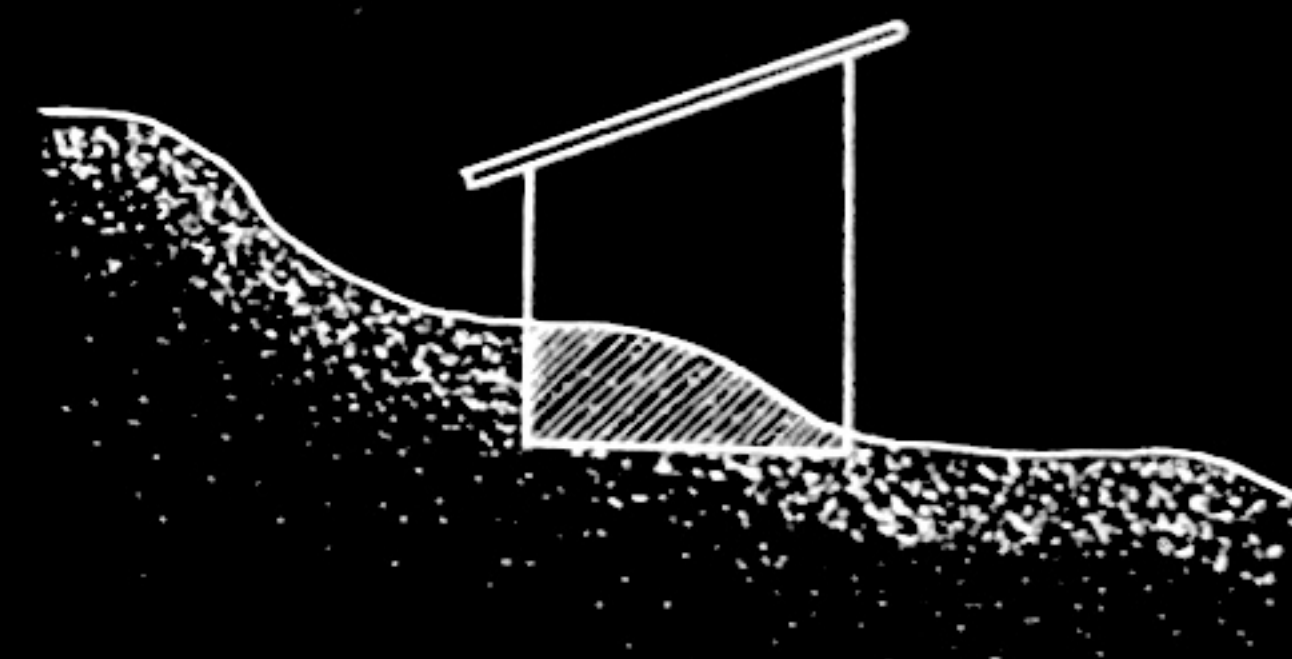
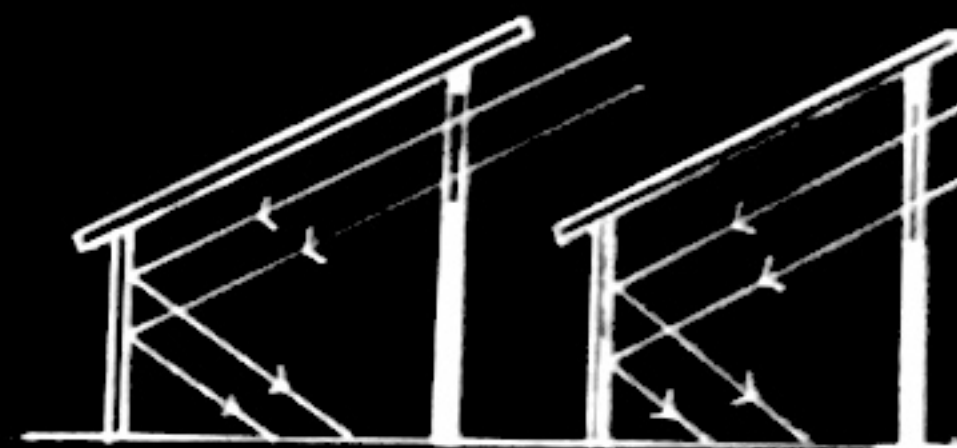


NORTH FACING SIDES PROVIDE CLEAR VIEW, CONNECTING CAMPUS TO ITS SURROUNDING.

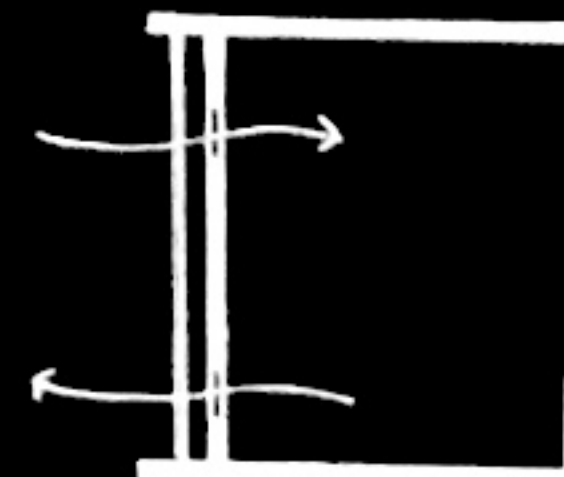
SKYLIGHT - NATURAL DAYLIGHT IT REDUCES THE NEED FOR ARTIFICIAL LIGHTING, AND MINIMIZING ENERGY CONSUMPTION



WINDOW PLACEMENT IN EAST AND WEST TO CAPTURE MORNING AND WEST TO CAPTURE MORNING AND EVENING LIGHT.



UTILIZING THE NATURAL TERRAIN TO DESIGN BUILDING THAT BLEND INTO THE SLOPE MINIMIZING CUT AND FILL.



A TROMBE WALL IS A PASSIVE SOLAR HEATING SYSTEM THAT USER THE SUN'S ENERGY TO HEAT



THE TREES, SHRUBS GRASSES AND OTHER PLANTATION IT ACTS AS A BUFFER TO BLOCK WIND AND NOISE FROM THE SITE



LOCATION : ODY
LATITUDE : 11.4129874
LONGITUDE : 76.7336148

SITE ANALYSIS

PRAVIN D

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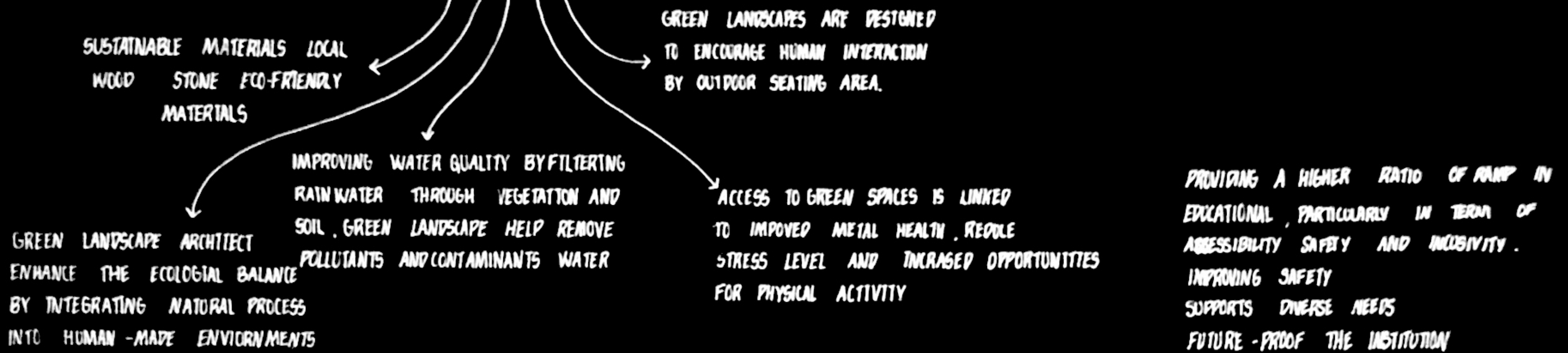
BATCH - 2023

03

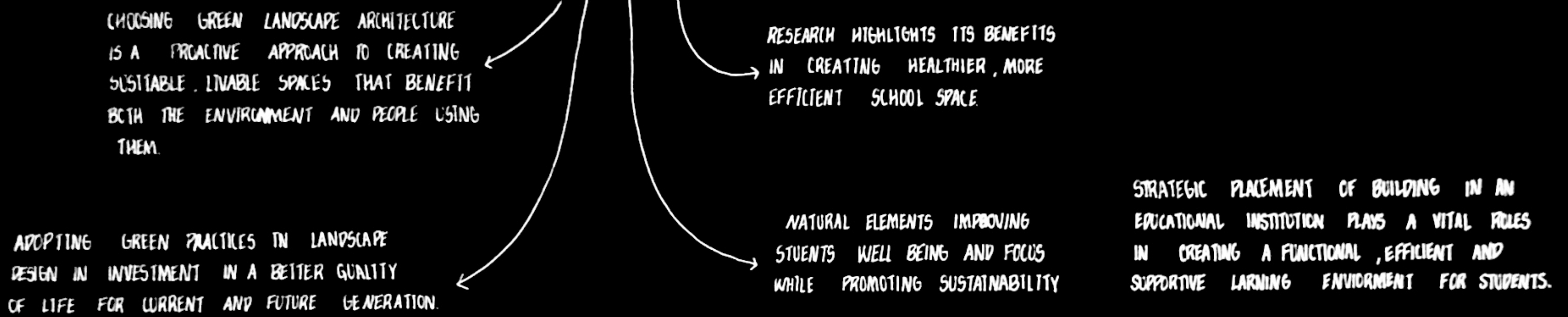
LOCATION : ODY
LATITUDE : 11.4129874
LONGITUDE : 76.7336148

GREEN LANDSCAPE

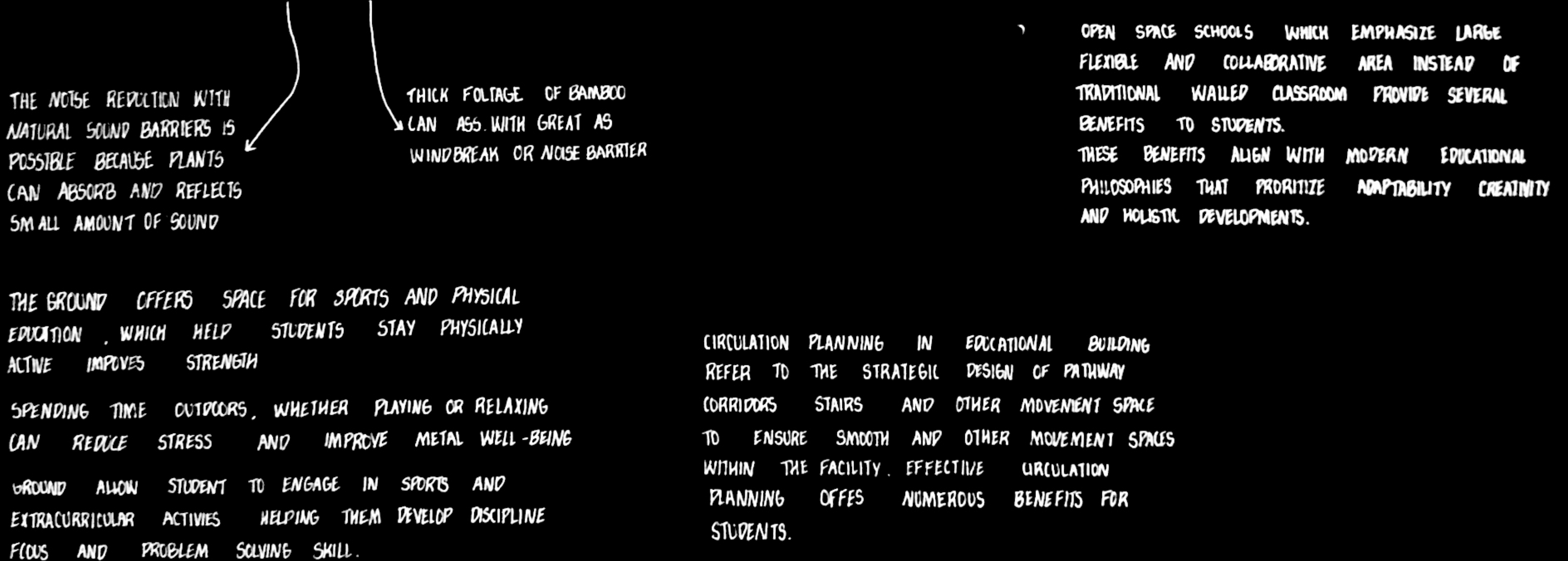
HOW



WHY



NOISE



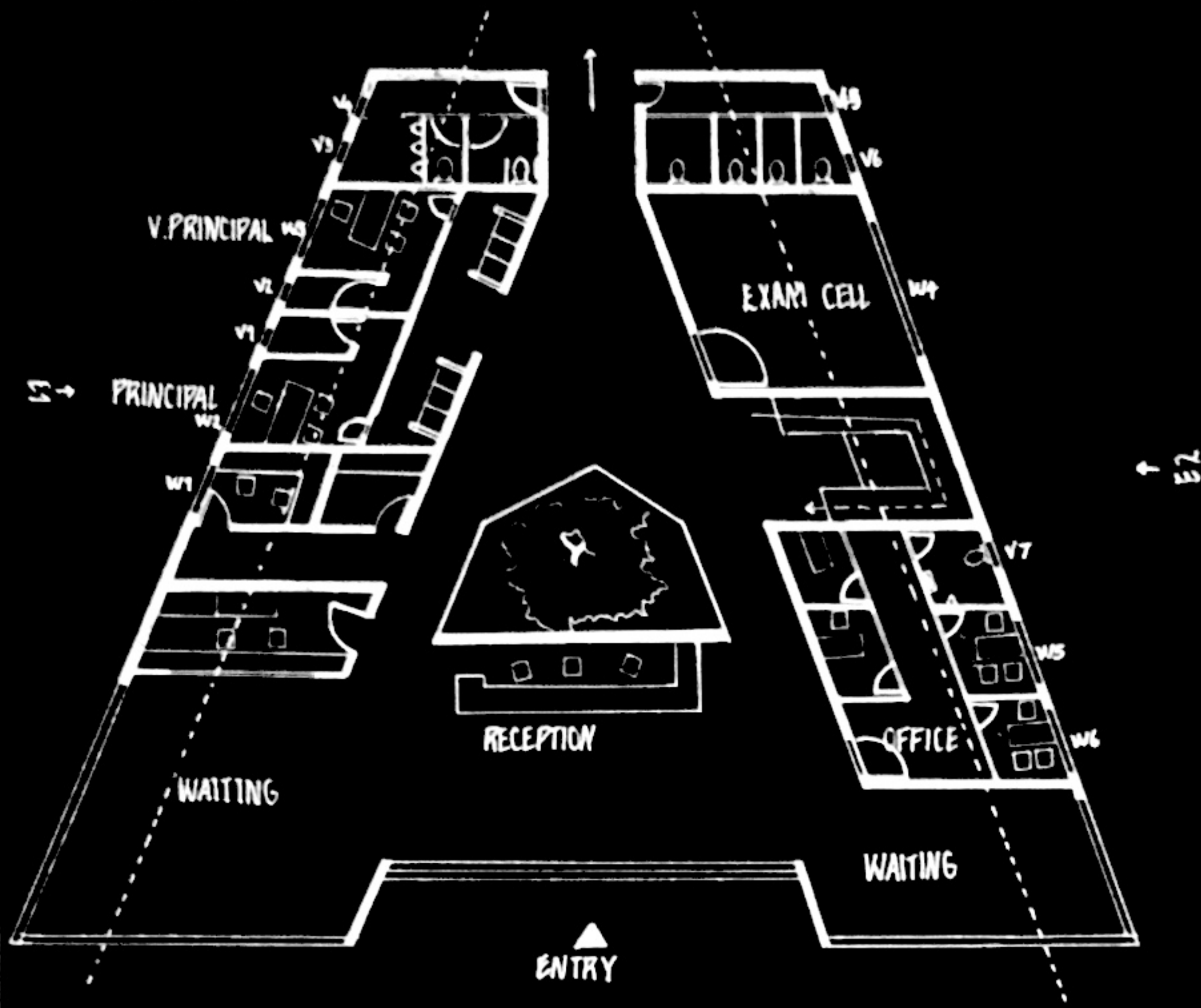
Architectural site plan of a residential complex. The plan shows several buildings, some with internal room divisions, and several large circular features, possibly swimming pools or landscaped areas. The buildings are numbered: -8, -10, -12, -14, and -16. The circular features are numbered: -4, -6, -8, -10, -12, -14, and -16. The plan also includes a legend in the top right corner with the following entries:

- R - 12
- ME - 66
- US - 5
- 9m
- 10m
- DM - 3m

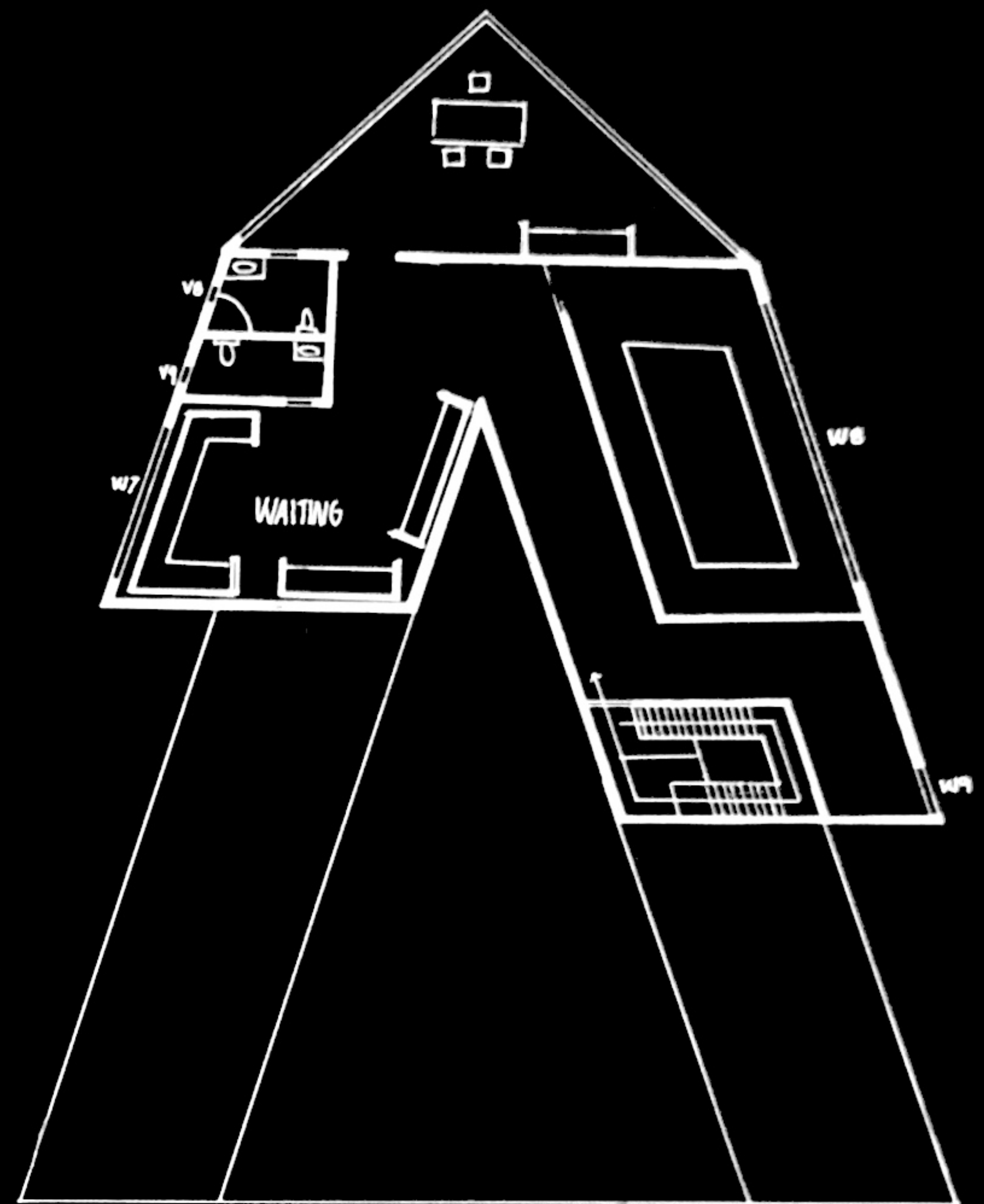
The total area is indicated as 8,327.01 m². The plan is oriented with North at the top.

BATCH 2023

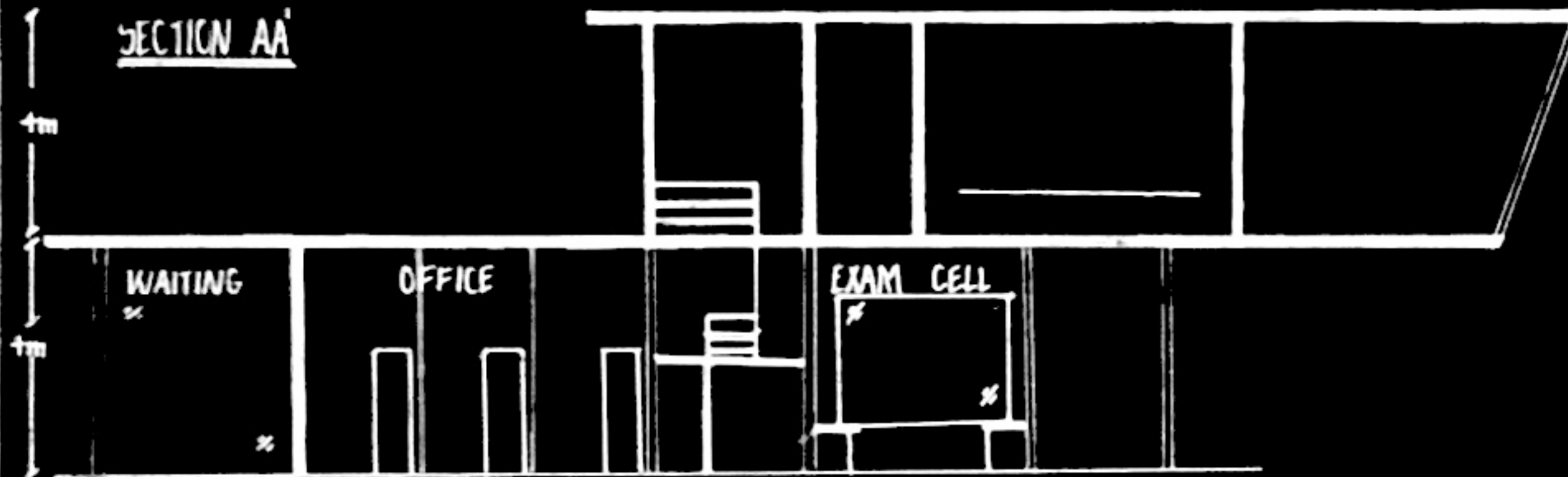
GROUND FLOOR



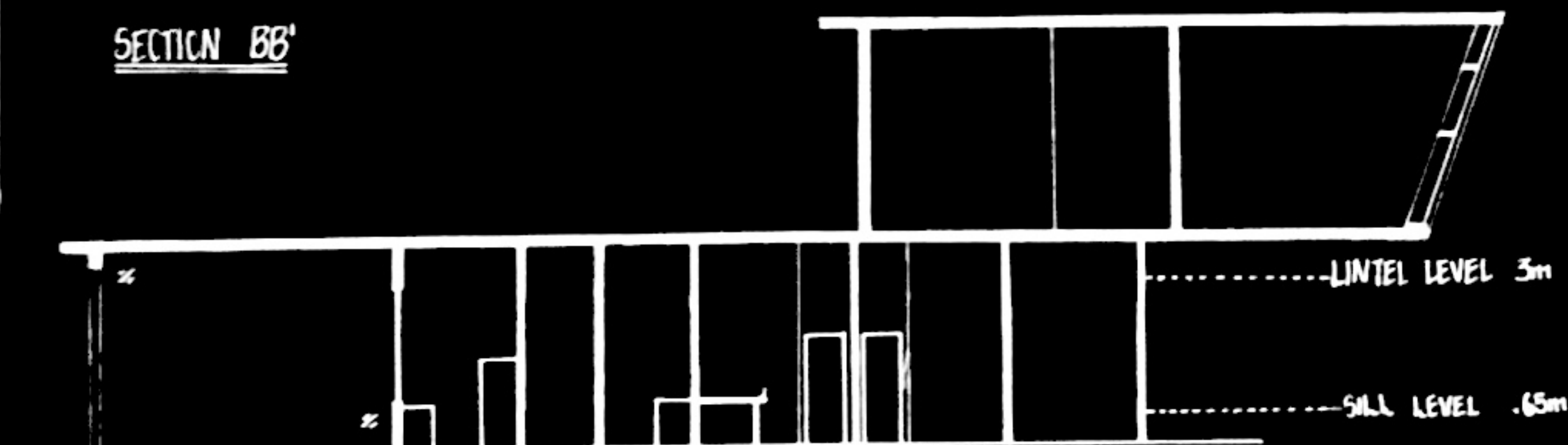
FIRST FLOOR



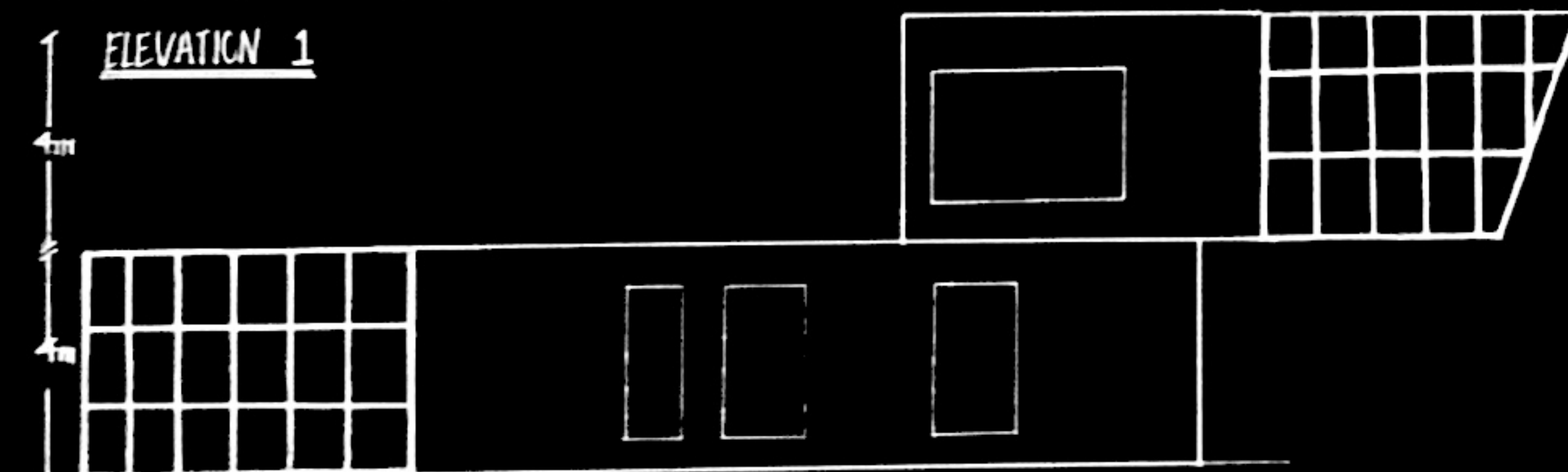
SECTION AA'



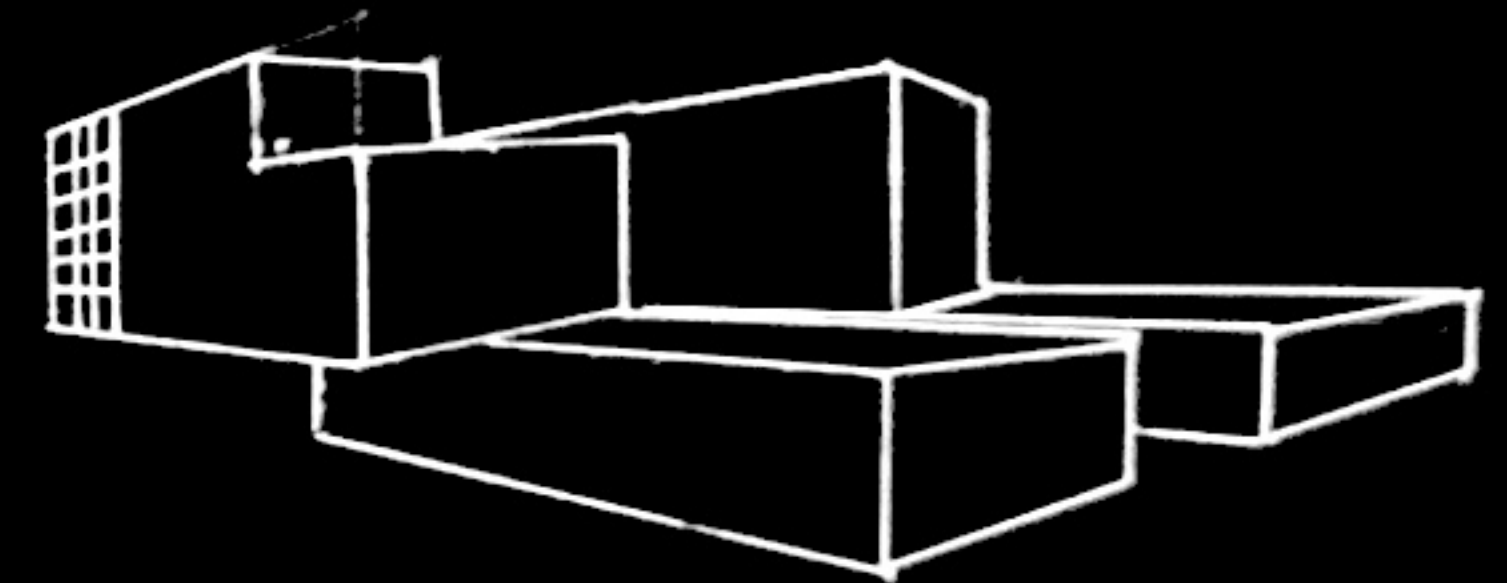
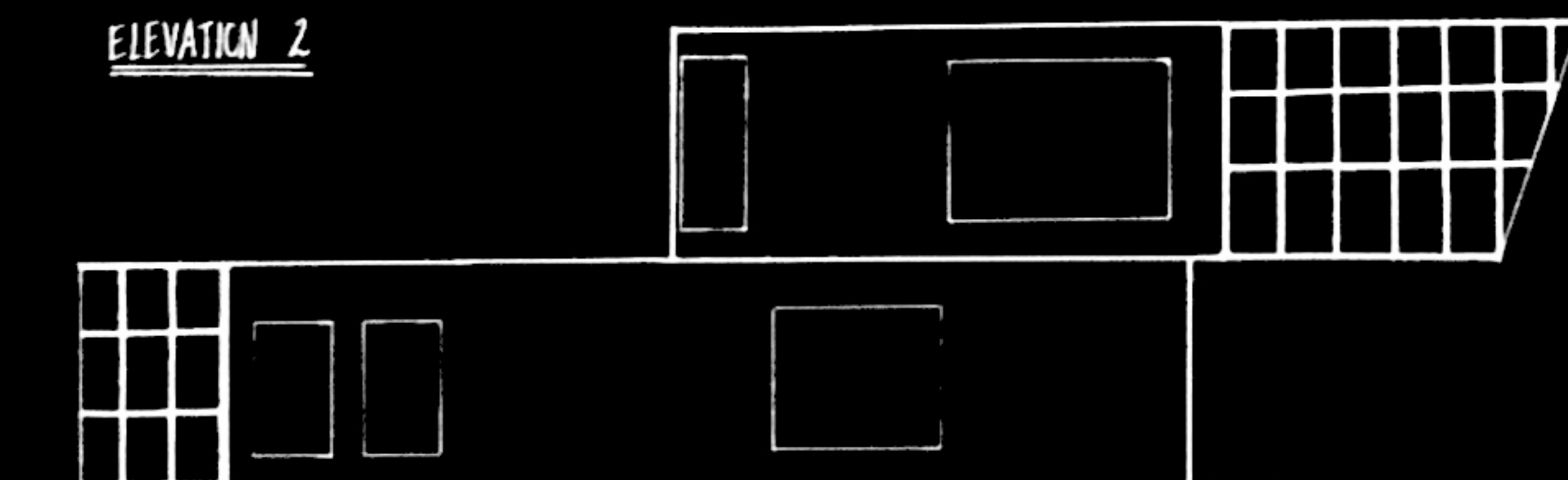
SECTION BB'



ELEVATION 1



ELEVATION 2

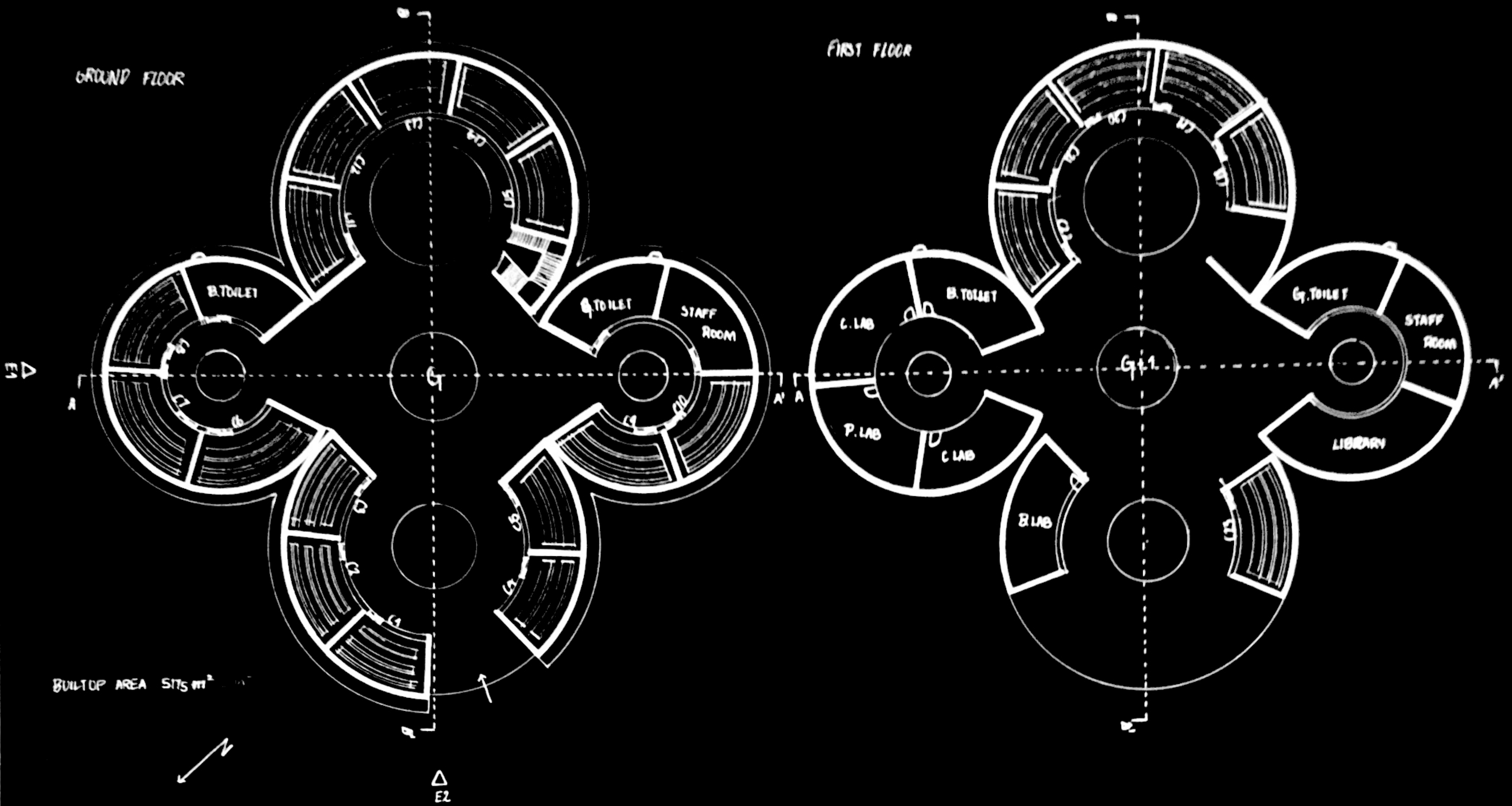


WINDOWS	MEASUREMENT	BUILT UP AREA
W1, W9	- 3x1m	936m ²
W2, W3	- 3x15m	
W4	- 3x3m	
W5, W6	- 3x15m	
W7	- 3x4m	
W8	- 3x7m	

OG ADMIN

PRAVIN D 712123251011 BATCH 2023 PLAN SECTION ELEVATION

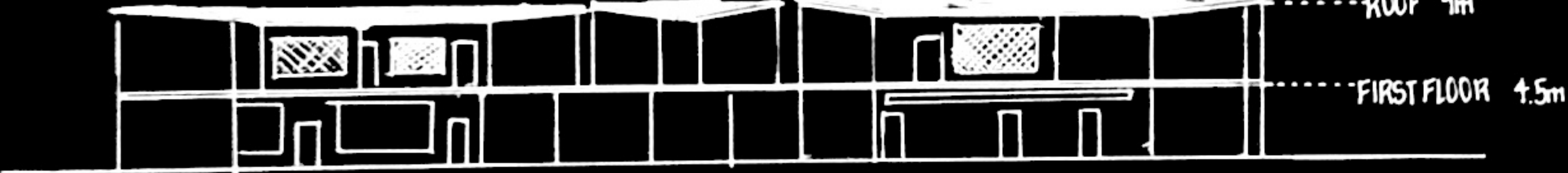




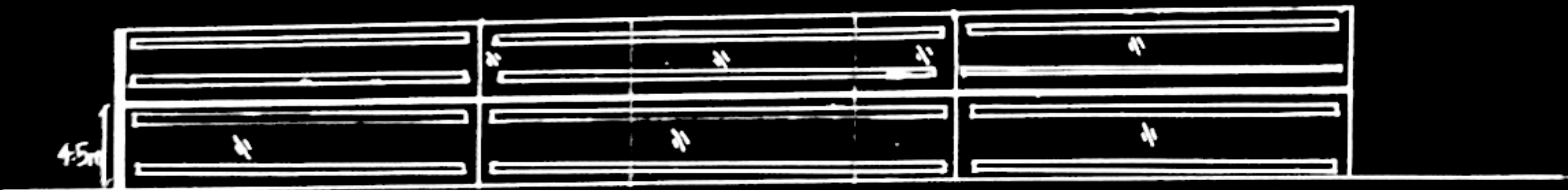
SECTION AA'



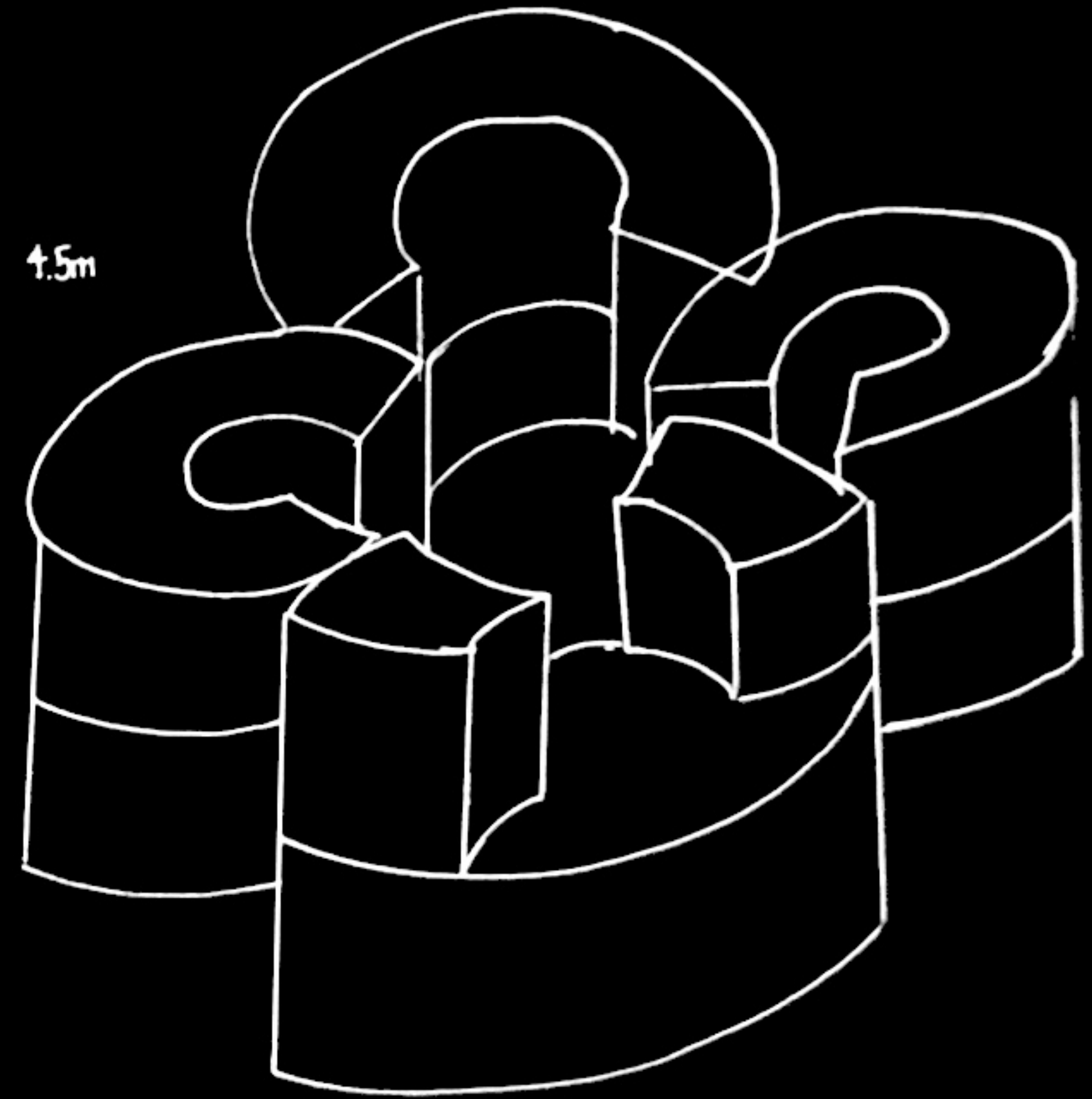
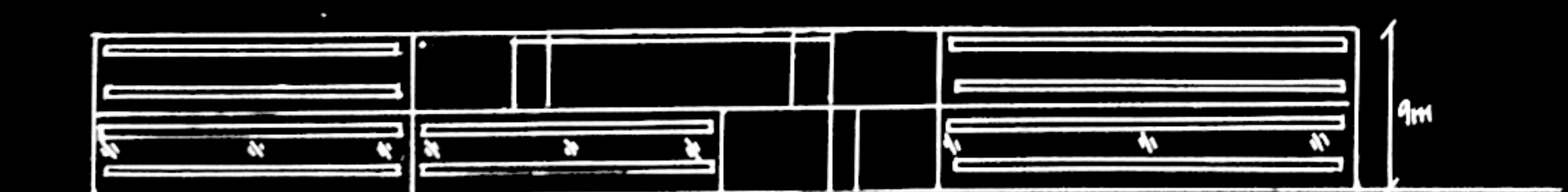
SECTION BB'

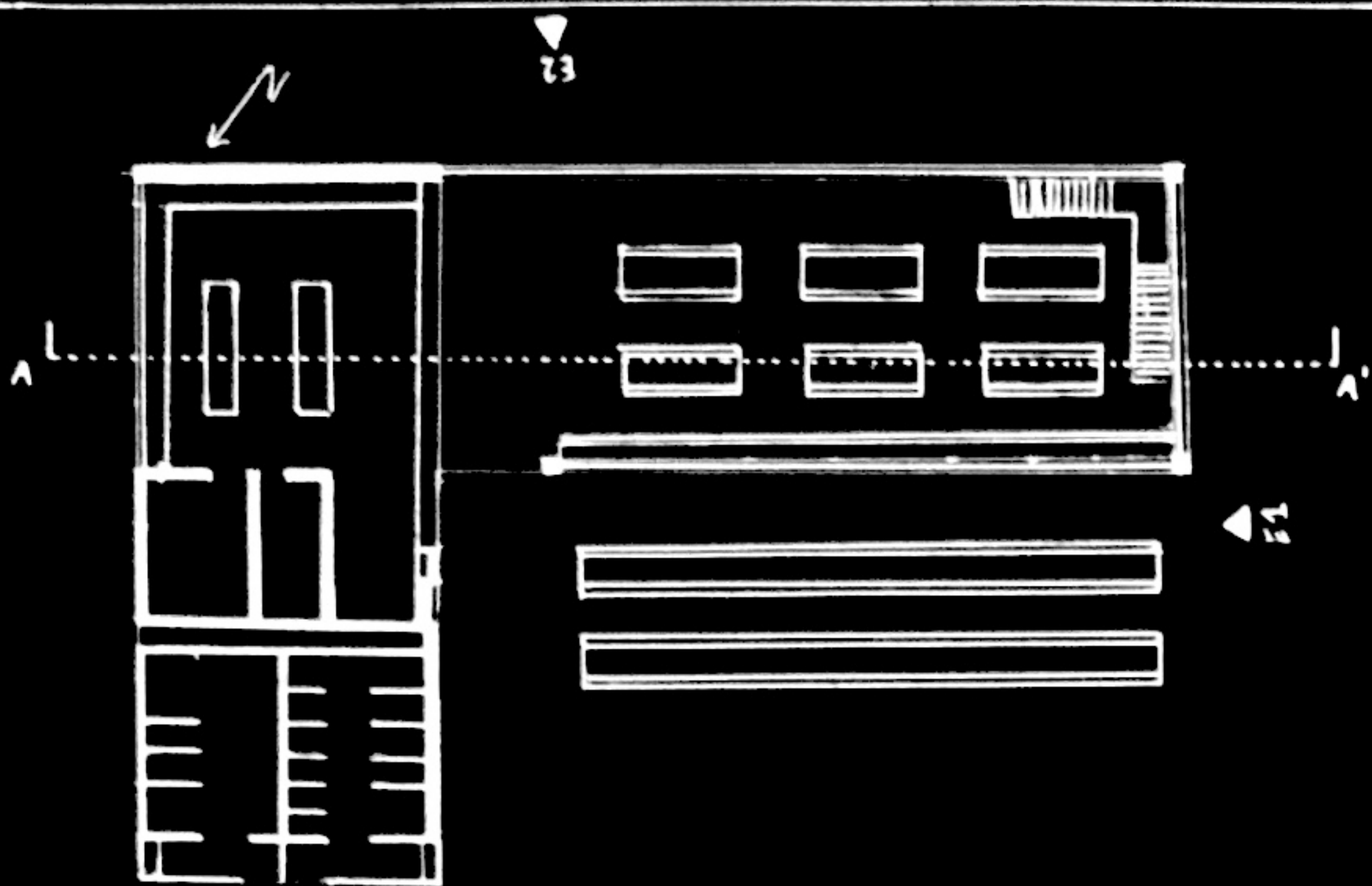


ELEVATION 1

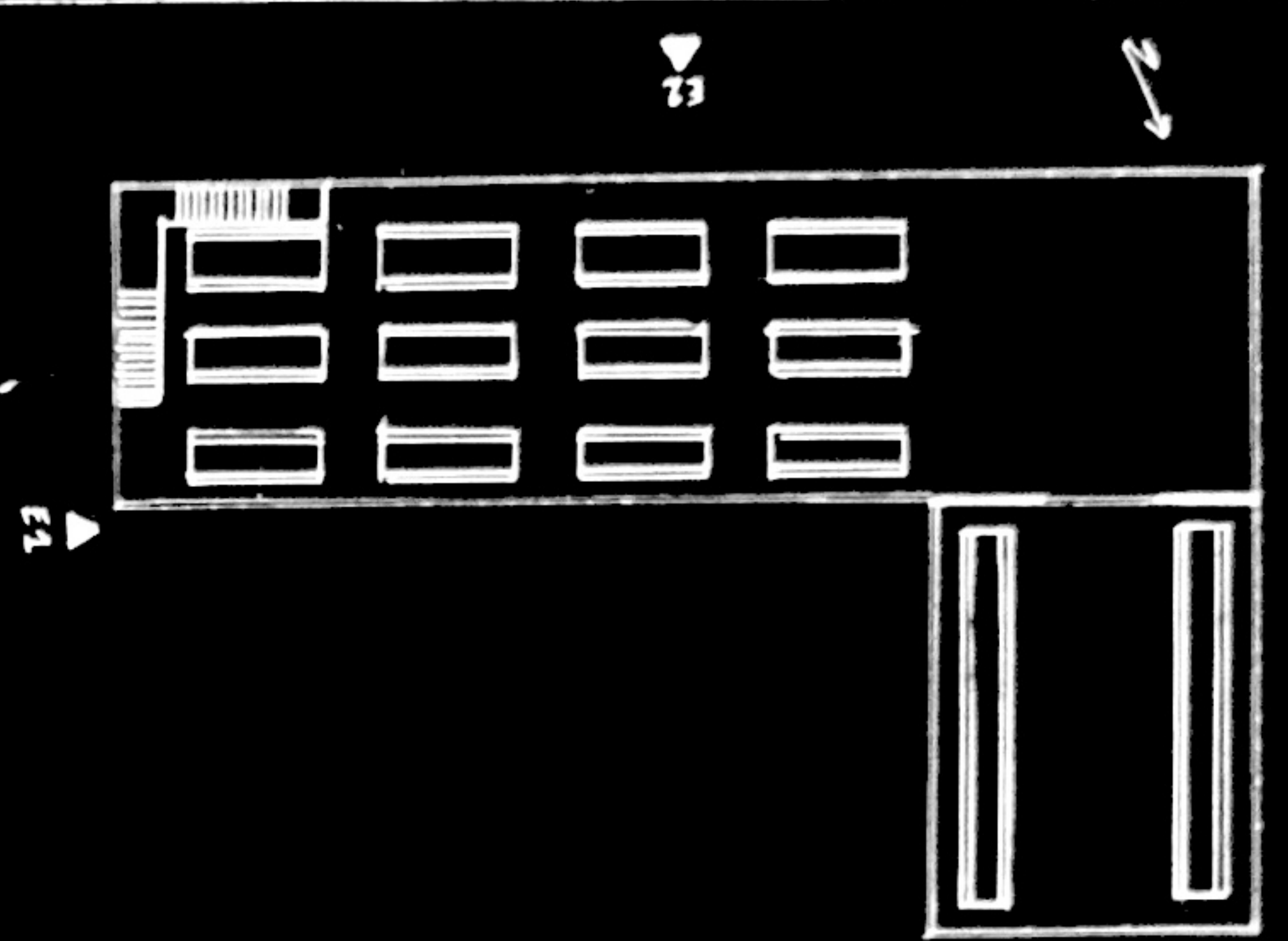


ELEVATION 2





GROUND FLOOR



FIRST FLOOR

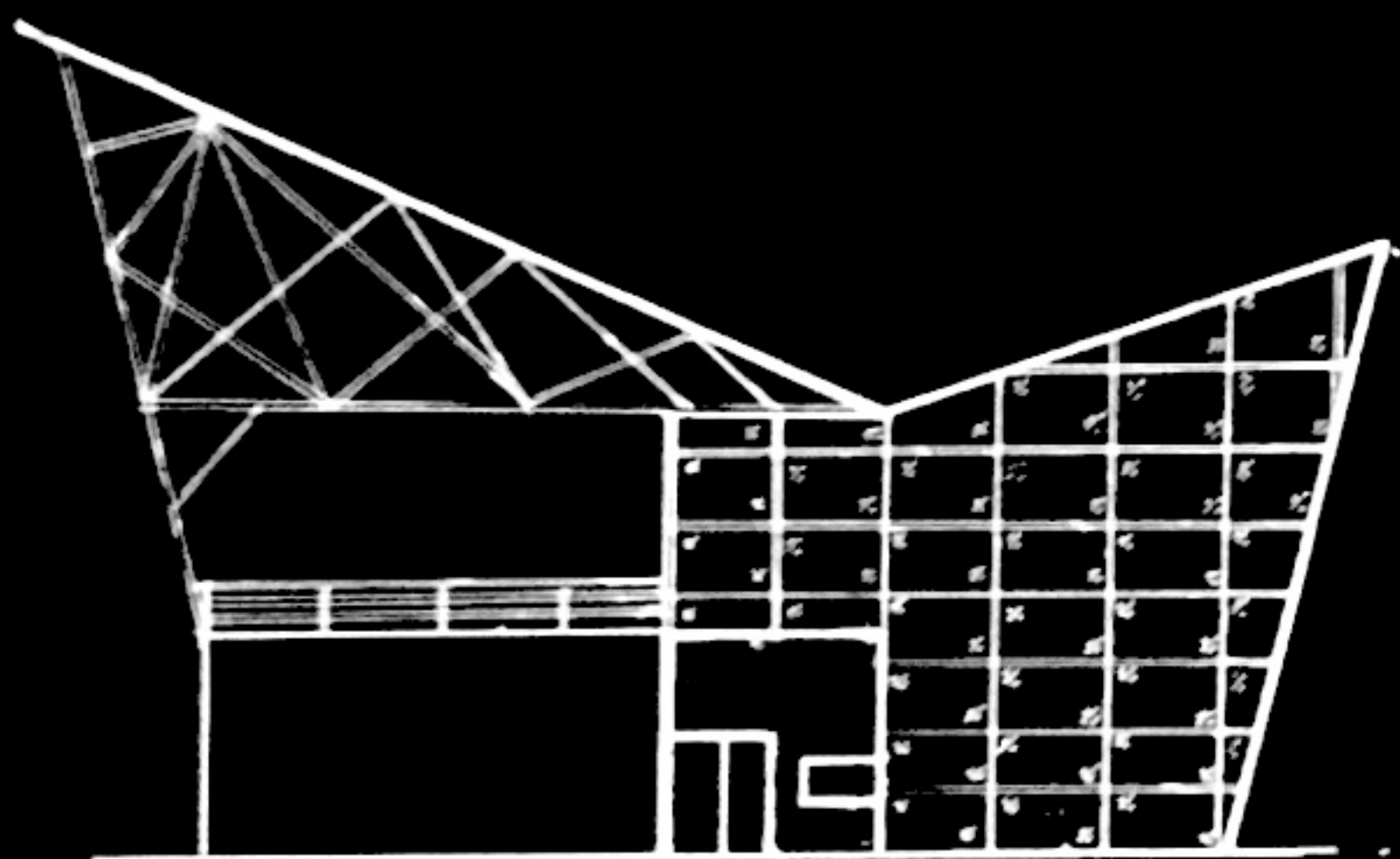
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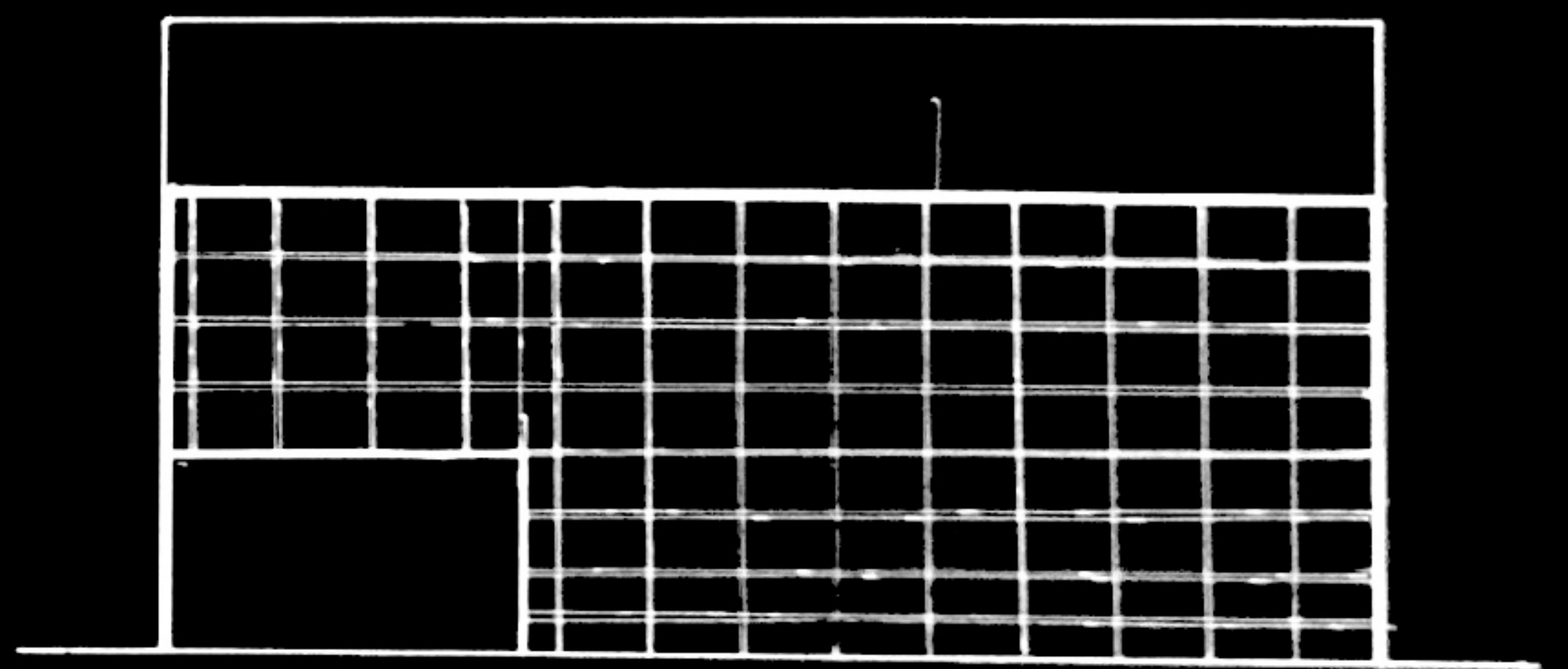
SECTION BB'



ELEVATION 1

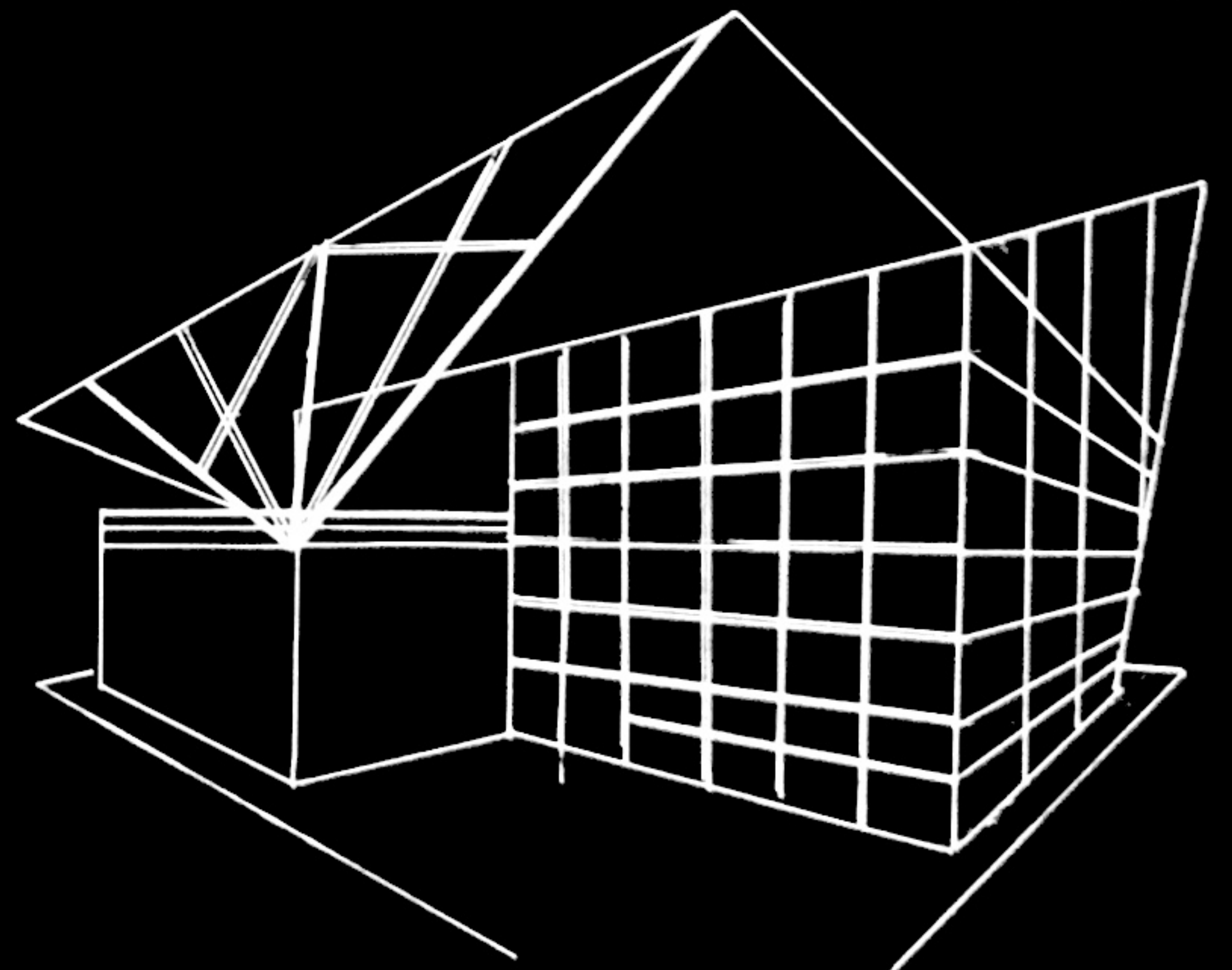


ELEVATION 2



BUILTUP AREA - 782m²

SEATS - 400



OS CAFETERIA

PRAVIN D

712123251011

BATCH 2023

PLAN SECTION

ELEVATION