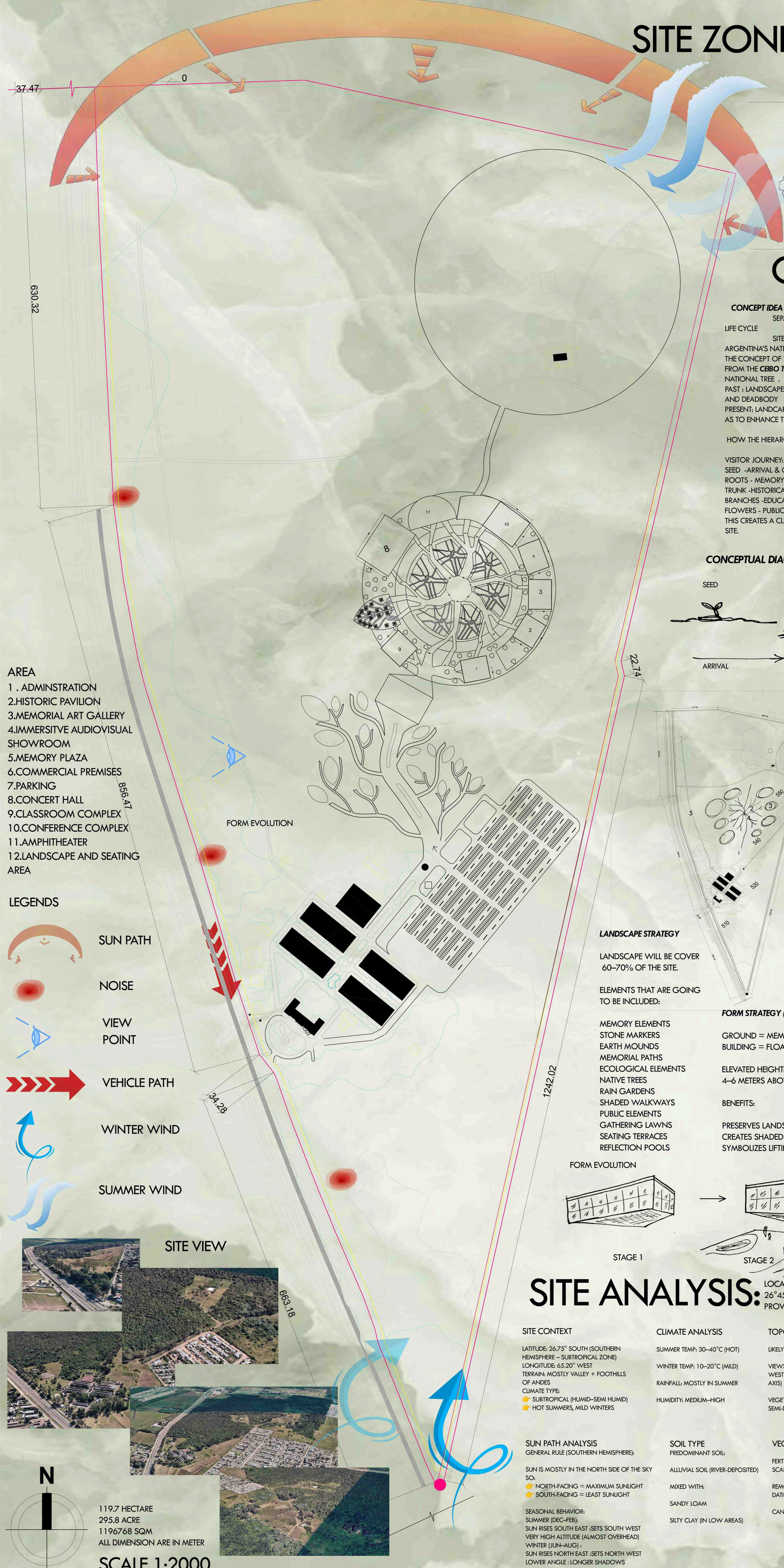
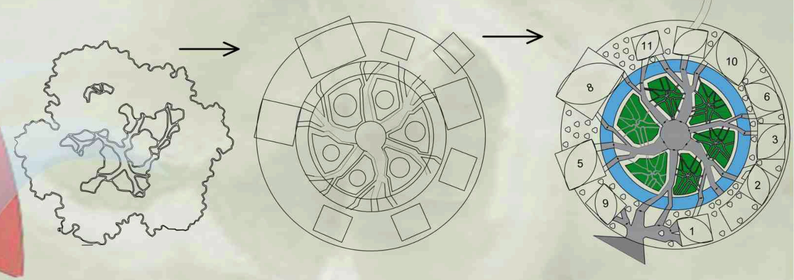
SITE ZONING & EVOLUTION



SITE ZONE EVOLUTION



CONCEPT

CONCEPT IDEA

SEPARATE BUILDINGS = STAGES OF A TREE LIFE CYCLE

SITE PLAN HIERARCHY = GROWTH OF ARGENTINA'S NATIONAL TREE

THE CONCEPT OF THE INTERPRITATION CENTER IS INSPIRED FROM THE ***CEIBO TREE*** ARGENTINA NATIONAL TREE .

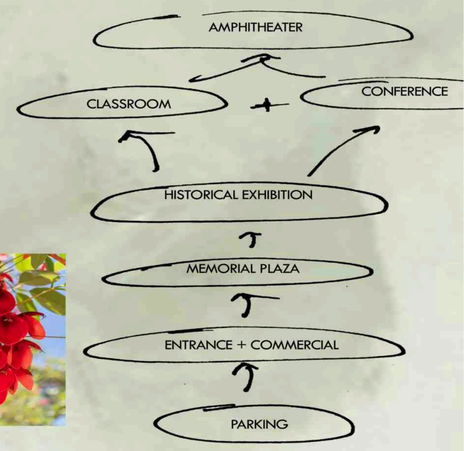
PAST : LANDSCAPE AND TREE WERE USED TO HIDE THE SITE AND DEADBODY

PRESENT: LANDCAPE AND TREE ARE GOING TO BE USED AS TO ENHANCE THE SITE

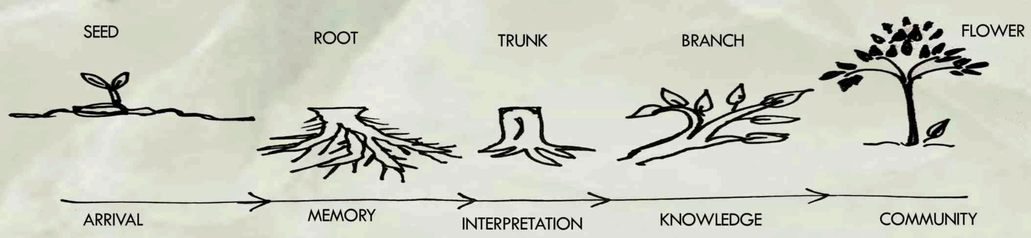
HOW THE HIERARCHY WORKS ON SITE ?

VISITOR JOURNEY:
SEED -ARRIVAL & ORIENTATION
ROOTS - MEMORY AND REFLECTION
TRUNK -HISTORICAL INTERPRETATION
BRANCHES -EDUCATION & DISCUSSION
FLOWERS - PUBLIC GATHERING AND CULTURAL EVENTS
THIS CREATES A CLEAR NARRATIVE MOVEMENT ACROSS THE SITE.

MASTERPLAN HIERARCHY (TREE STRUCTURE)



CONCEPTUAL DIAGRAM (LIFE CYCLE OF THE TREE)



SPATIAL ZONING STRATEGY

DIVIDE THE SITE INTO 5 MAIN ZONES

ZONE 1 — ARRIVAL LANDSCAPE

PROGRAMS:
PARKING (3300 M²)
COMMERCIAL SERVICES (1000 M²)
ENTRANCE PLAZA / ADMINISTRATION(1000 M²)

DESIGN IDEA:
SMALL PAVILION STRUCTURE
TREE-LINED ARRIVAL
PATH SLOWLY REVEALING THE SITE
PURPOSE: PREPARE VISITORS EMOTIONALLY

ZONE 2 — MEMORY LANDSCAPE

PROGRAMS:

MEMORY PLAZA (2500 M²)
MEMORIAL ART GALLERY (1500 M²)

DESIGN STRATEGY:
QUIET LANDSCAPE
WATER REFLECTION POOLS
TREES ARRANGED IN ORGANIC PATTERNS
THE USER WELL FEEL SLOW, SILENT, AND CONTEMPLATIVE.

ZONE 3 — INTERPRETATION CORE

PROGRAMS:

HISTORICAL EXHIBITION PAVILION (1500 M²)
AUDIOVISUAL SHOWROOM (500 M²)
ADMINISTRATION (1000 M²)

DESIGN STRATEGY:
THIS IS THE MAIN ELEVATED STRUCTURE

FEATURES:
LIFTED ABOVE THE GROUND
OPEN LANDSCAPE BELOW
CENTRAL VIEWING TERRACE

ZONE 4 — KNOWLEDGE BRANCHES

PROGRAMS:

CLASSROOM COMPLEX (1500 M²)
CONFERENCE ROOMS (2500 M²)
CONCERT HALL (4000 M²)

DESIGN IDEA:
BUILDINGS BRANCH OUTWARD FROM THE CORE.
THEY CAN BE CONNECTED WITH:
ELEVATED WALKWAYS
SHADED PATHS
BRIDGES

ZONE 5 — COMMUNITY CANOPY

PROGRAMS:

AMPHITHEATER (1000 M²)
SHADE STRUCTURES
PUBLIC GATHERING LAWNS

DESIGN IDEA:
LARGE OPEN LANDSCAPE WITH TREE CANOPY STRUCTURES.
THIS BECOMES THE FLOWER OF THE TREE — SYMBOL OF RENEWAL.

LANDSCAPE STRATEGY

LANDSCAPE WILL BE COVER 60–70% OF THE SITE.

ELEMENTS THAT ARE GOING TO BE INCLUDED:

MEMORY ELEMENTS
STONE MARKERS
EARTH MOUNDS
MEMORIAL PATHS
ECOLOGICAL ELEMENTS
NATIVE TREES
RAIN GARDENS
SHADED WALKWAYS
PUBLIC ELEMENTS
GATHERING LAWNS
SEATING TERRACES
REFLECTION POOLS

FORM STRATEGY (ELEVATED BUILDINGS)

GROUND = MEMORY LANDSCAPE
BUILDING = FLOATING KNOWLEDGE

ELEVATED HEIGHT:
4–6 METERS ABOVE GROUND

BENEFITS:

PRESERVES LANDSCAPE
CREATES SHADED PUBLIC SPACE
SYMBOLIZES LIFTING TRUTH ABOVE THE PAST

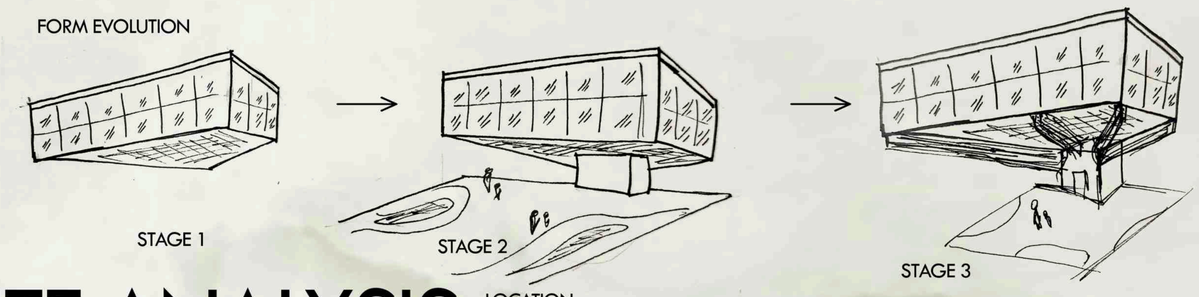
ARCHITECTURAL FORM LANGUAGE

USING ORGANIC SHAPES INSPIRED BY TREE GROWTH.

CHARACTERISTICS:

BRANCHING CIRCULATION
CURVED PATHWAYS
RADIAL PLAZAS
LIGHTWEIGHT ROOFS
SLENDER COLUMNS (TREE TRUNKS)

FORM EVOLUTION



AREA
1 . ADMINSTRATION
2.HISTORIC PAVILION
3.MEMORIAL ART GALLERY
4.IMMERSITVE AUDIOVISUAL SHOWROOM
5.MEMORY PLAZA
6.COMMERCIAL PREMISES
7.PARKING
8.CONCERT HALL
9.CLASSROOM COMPLEX
10.CONFERENCE COMPLEX
11.AMPHITHEATER
12.LANDSCAPE AND SEATING AREA

LEGENDS

SUN PATH

NOISE

VIEW POINT

VEHICLE PATH

WINTER WIND

SUMMER WIND

SITE VIEW

N

119.7 HECTARE
295.8 ACRE
1196768 SQM
ALL DIMENSION ARE IN METER

SCALE 1:2000

SITE ANALYSIS:

LOCATION:
26°45'27.3"S, 65°12'34.1"W ⊠ THIS IS IN NORTHWESTERN ARGENTINA, NEAR TUCUMÁN PROVINCE (SUBTROPICAL INTERIOR REGION).

SITE CONTEXT

LATITUDE: 26.75° SOUTH (SOUTHERN HEMISPHERE – SUBTROPICAL ZONE)
LONGITUDE: 65.20° WEST
TERRAIN: MOSTLY VALLEY + FOOTHILLS OF ANDES
CLIMATE TYPE:
👉 SUBTROPICAL (HUMID–SEMI HUMID)
👉 HOT SUMMERS, MILD WINTERS

CLIMATE ANALYSIS

SUMMER TEMP: 30–40°C (HOT)

WINTER TEMP: 10–20°C (MILD)

RAINFALL: MOSTLY IN SUMMER

HUMIDITY: MEDIUM–HIGH

TOPOGRAPHY + LANDSCAPE

LIKELY GENTLE SLOPES TOWARD PLAINS

VIEWS:
WEST SIDE ANDES HILLS (STRONG VISUAL AXIS)

VEGETATION:
SEMI-DENSE GREENERY

WIND ANALYSIS
REGIONAL WIND PATTERN (TUCUMÁN REGION):

SUMMER WINDS:
👉 FROM EAST / NORTHEAST (HUMID WINDS FROM ATLANTIC)
WINTER WINDS:
👉 FROM WEST / SOUTHWEST (DRY, COOLER)

LOCAL EFFECTS:
ANDES MOUNTAINS INFLUENCE AIRFLOW:
DAY :VALLEY BREEZE (UPSLOPE)
NIGHT :MOUNTAIN BREEZE (DOWNSLOPE)

SUN PATH ANALYSIS
GENERAL RULE (SOUTHERN HEMISPHERE):

SUN IS MOSTLY IN THE NORTH SIDE OF THE SKY SO:
👉 NORTH-FACING = MAXIMUM SUNLIGHT
👉 SOUTH-FACING = LEAST SUNLIGHT

SEASONAL BEHAVIOR:
SUMMER (DEC–FEB):
SUN RISES SOUTH EAST :SETS SOUTH WEST
VERY HIGH ALTITUDE (ALMOST OVERHEAD)
WINTER (JUN–AUG) :
SUN RISES NORTH EAST :SETS NORTH WEST
LOWER ANGLE : LONGER SHADOWS

SOIL TYPE
PREDOMINANT SOIL:

ALLUVIAL SOIL (RIVER-DEPOSITED)

MIXED WITH:

SANDY LOAM

SILTY CLAY (IN LOW AREAS)

VEGETATION + TOPSOIL

FERTILE TOPSOIL (GOOD FOR LANDSCAPING)

REMOVE TOP LAYER BEFORE FOUNDATION

CAN REUSE FOR LANDSCAPE DESIGN

RAIN + WATER EFFECT

HIGH RAINFALL IN SUMMER

RISK:
SOIL EROSION
SURFACE RUNOFF
DESIGN RESPONSE:
PROVIDE PROPER SITE DRAINAGE

USE:
FRENCH DRAINS
SLOPED SITE PLANNING

BEARING CAPACITY (APPROX.)

SANDY LOAM:
👉 150–250 KN/M² (SAFE FOR LOW–MID RISE BUILDINGS)

CLAYEY SOIL:
👉 75–150 KN/M² (NEEDS TREATMENT)

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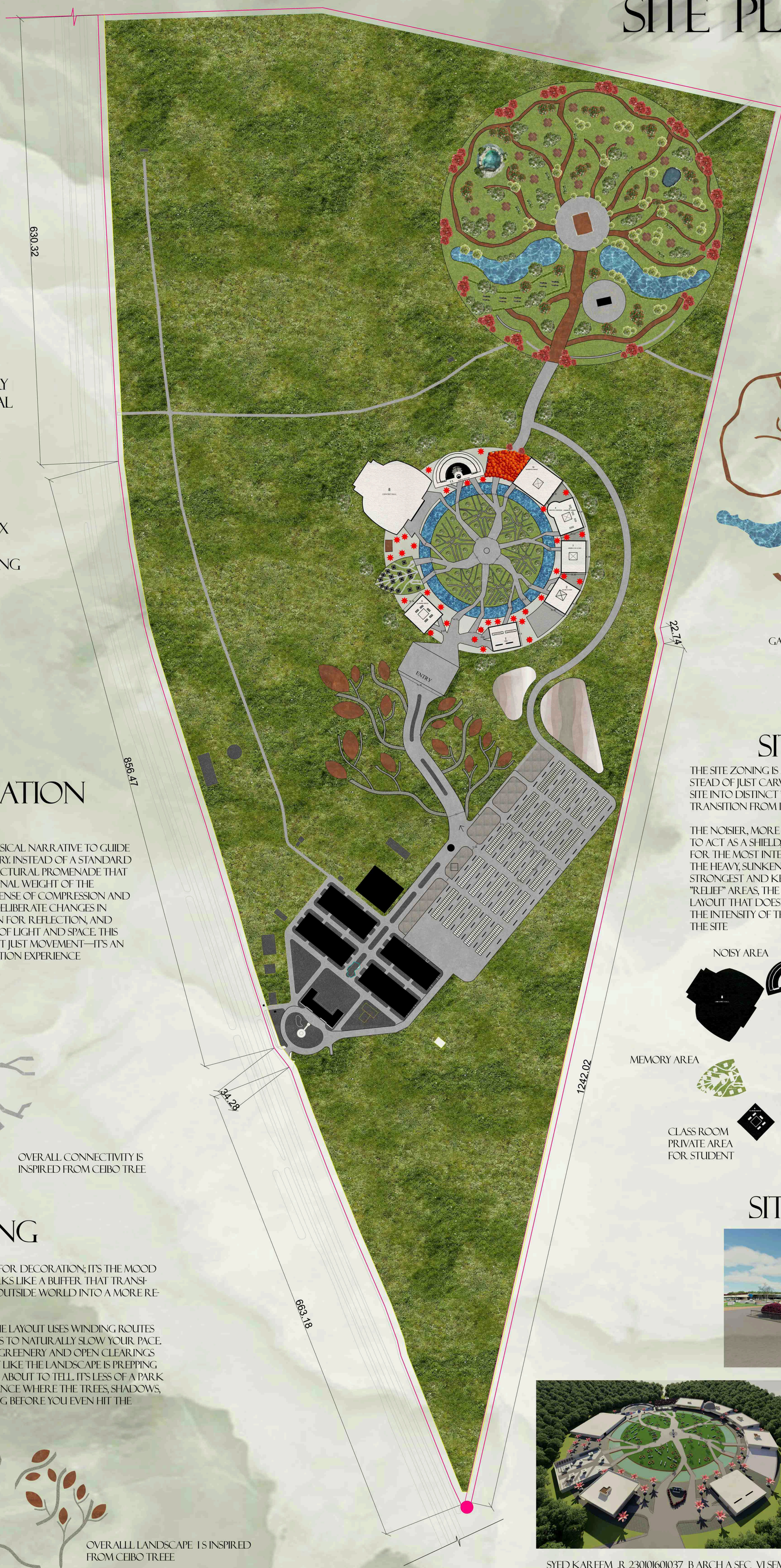
CRESCENT SCHOOL OF ARCHITECTURE

SITE PLAN 1:2000

N



ACHIEVED AREA'S

1.ADMINISTRATION
2. HISTORIC PAVILION
3.MEMORIAL ART GALLERY
4. IMMERSIVE AUDIOVISUAL SHOWROOM
5.MEMORY PLAZA
6.COMMERCIAL PREMISES
7. PARKING
8.CONCERT HALL
9.CLASSROOM COMPLEX
10.CONFERENCE COMPLEX
11.AMPHITHEATER
12.LANDSCAPE AND SEATING

GALPON 9 LANDSCAPE CORE

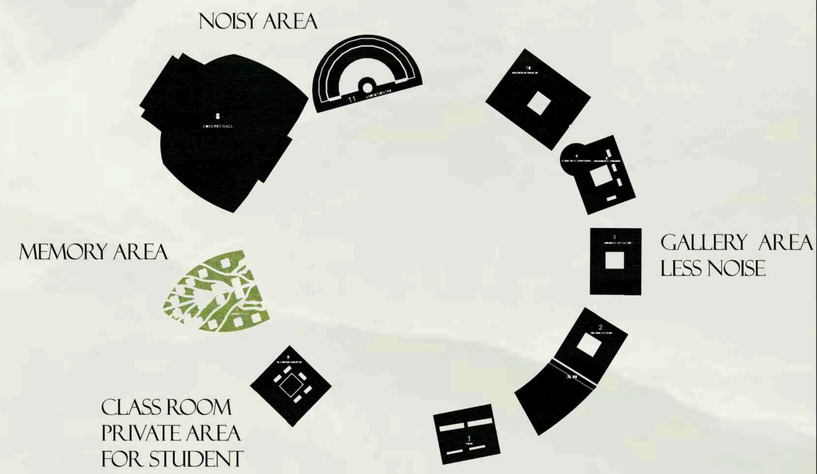
SITE CIRCULATION

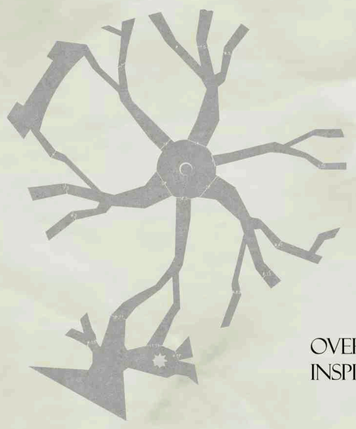
DESIGN USES CIRCULATION AS A PHYSICAL NARRATIVE TO GUIDE VISITORS THROUGH THE SITE'S HISTORY. INSTEAD OF A STANDARD HALLWAY, I'VE CREATED AN ARCHITECTURAL PROMENADE THAT CONTROLS THE PLACE AND EMOTIONAL WEIGHT OF THE JOURNEY. THE PATH BEGINS WITH A SENSE OF COMPRESSION AND SHADOW TO CREATE FOCUS, USES DELIBERATE CHANGES IN LEVELS TO SLOW THE VISITOR DOWN FOR REFLECTION, AND FINALLY OPENS UP INTO A 'RELEASE' OF LIGHT AND SPACE. THIS ENSURES THAT THE WALK ITSELF ISN'T JUST MOVEMENT—IT'S AN INTEGRAL PART OF THE INTERPRETATION EXPERIENCE

SITE ZONING

THE SITE ZONING IS ALL ABOUT BALANCE AND TENSION. INSTEAD OF JUST CARVING OUT BLOCKS, THE LAYOUT SPLITS THE SITE INTO DISTINCT "EMOTIONAL ZONES" THAT HANDLE THE TRANSITION FROM PUBLIC LIFE TO PRIVATE REFLECTION.

THE NOISIER, MORE ACTIVE AREAS ARE PUSHED TO THE EDGES TO ACT AS A SHIELD, WHILE THE CORE OF THE SITE IS RESERVED FOR THE MOST INTENSE PARTS OF THE NARRATIVE. BY PLACING THE HEAVY, SUNKEN VOLUMES WHERE THE HISTORY FEELS THE STRONGEST AND KEEPING THE LIGHTER, OPEN SPACES FOR THE "RELIEF" AREAS, THE ZONING CREATES A NATURAL FLOW. IT'S A LAYOUT THAT DOESN'T JUST ORGANIZE ROOMS—IT ORGANIZES THE INTENSITY OF THE EXPERIENCE AS YOU MOVE DEEPER INTO THE SITE





OVERALL CONNECTIVITY IS INSPIRED FROM CEIBO TREE

LANDSCAPING

THE LANDSCAPING ISN'T JUST THERE FOR DECORATION; IT'S THE MOOD SETTER FOR THE WHOLE SITE. IT WORKS LIKE A BUFFER THAT TRANSITIONS YOU FROM THE NOISE OF THE OUTSIDE WORLD INTO A MORE REFLECTIVE HEADSPACE.

INSTEAD OF STRAIGHT, FAST PATHS, THE LAYOUT USES WINDING ROUTES AND TEXTURED GROUND MATERIALS TO NATURALLY SLOW YOUR PACE. YOU MOVE THROUGH "POCKETS" OF GREENERY AND OPEN CLEARINGS THAT FRAME SPECIFIC VIEWS, ALMOST LIKE THE LANDSCAPE IS PREPPING YOU FOR THE STORY THE BUILDING IS ABOUT TO TELL. IT'S LESS OF A PARK AND MORE OF AN OUTDOOR SEQUENCE WHERE THE TREES, SHADOWS, AND PATHS DO ALL THE HEAVY LIFTING BEFORE YOU EVEN HIT THE ENTRANCE

OVERALLL LANDSCAPE IS INSPIRED FROM CEIBO TREEE

SITE ENTRY

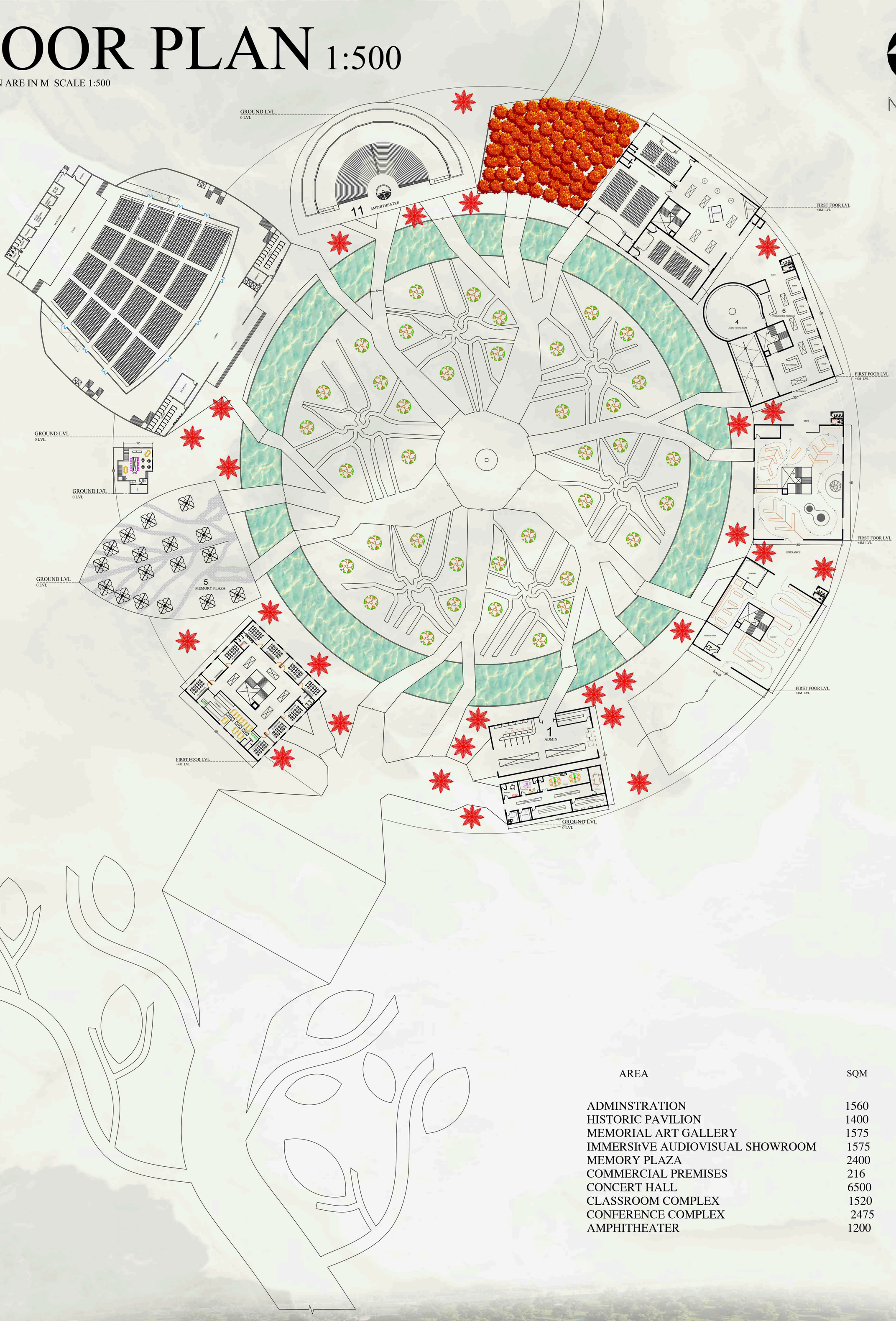
SITE 3DVIEW

ALL DIMENSION ARE IN M
SCALE 1:2000

SYED KAREEM .R 230101601037 B ARCH A SEC VI SEM CSA

FLOOR PLAN 1:500

ALL DIMENSION ARE IN M SCALE 1:500



AREA	SQM
ADMINSTRATION	1560
HISTORIC PAVILION	1400
MEMORIAL ART GALLERY	1575
IMMERSItVE AUDIOVISUAL SHOWROOM	1575
MEMORY PLAZA	2400
COMMERCIAL PREMISES	216
CONCERT HALL	6500
CLASSROOM COMPLEX	1520
CONFERENCE COMPLEX	2475
AMPHITHEATER	1200

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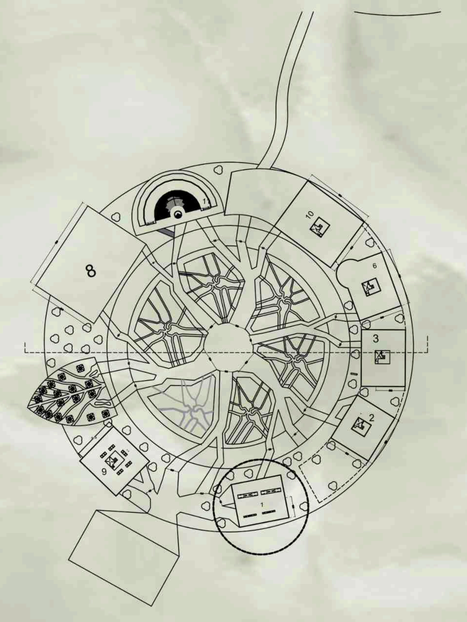
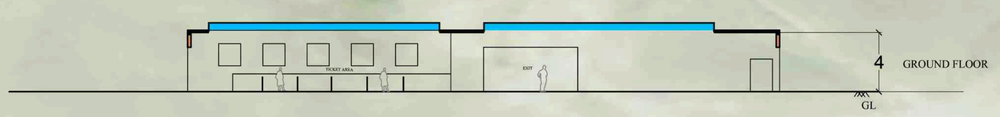
ADMINISTRATION

FLOOR PLAN 1:200

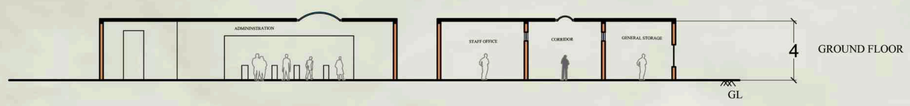
GROUND FLOOR



KEY PLAN

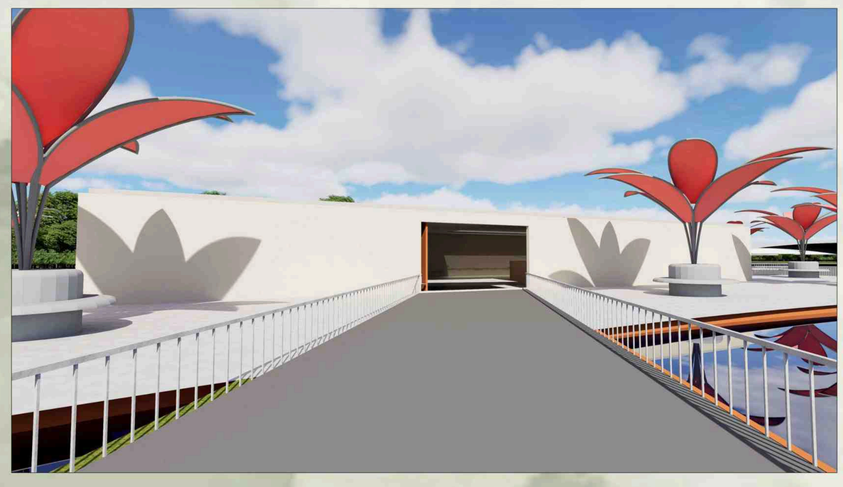


SECTION AA'



SECTION BB'

VIEWS



NORTH

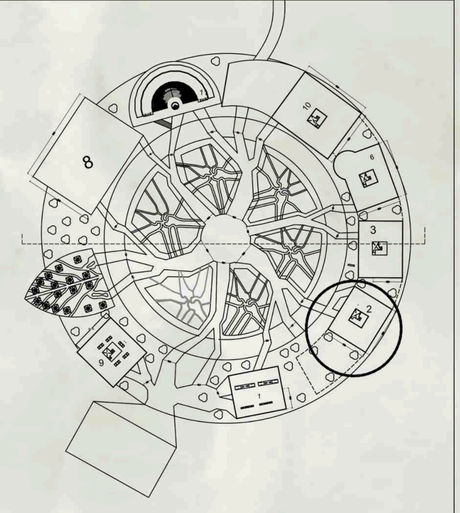
ALL DIMENSION ARE IN M
SCALE 1:200

INTERPRETATION CENTER

SYED KAREEM 230101601037 B ARCH A SEC VI SEM CSA

HISTORIC PAVILION

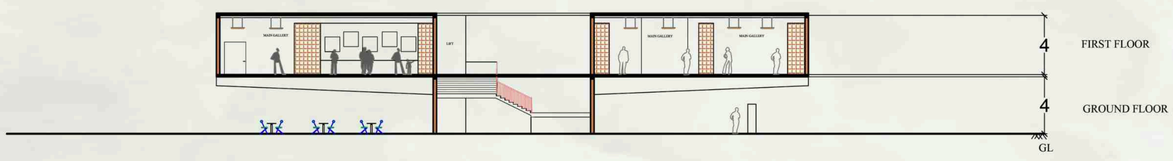
FLOOR PLAN 1:200



KEY PLAN

GROUND FLOOR

FIRST FLOOR



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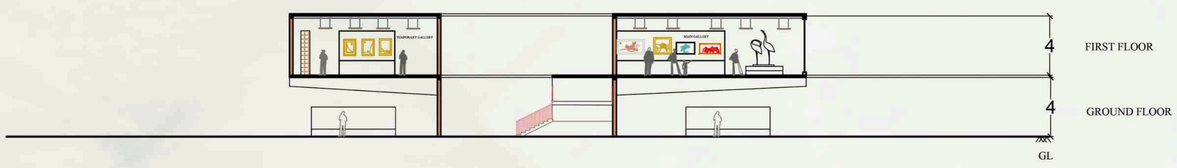

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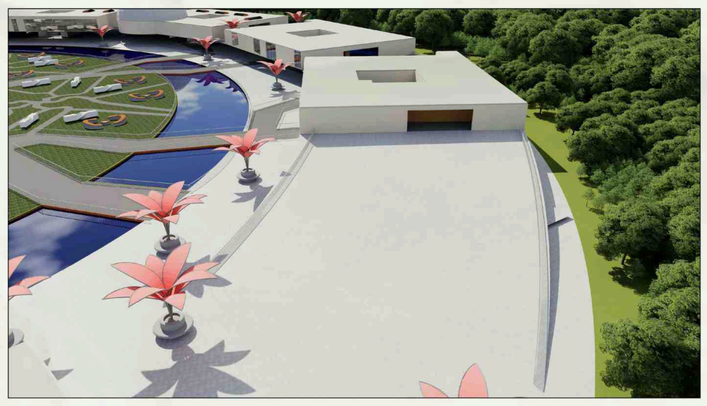

VIEWS

NORTH

ALL DIMENSION ARE IN M
SCALE 1:200

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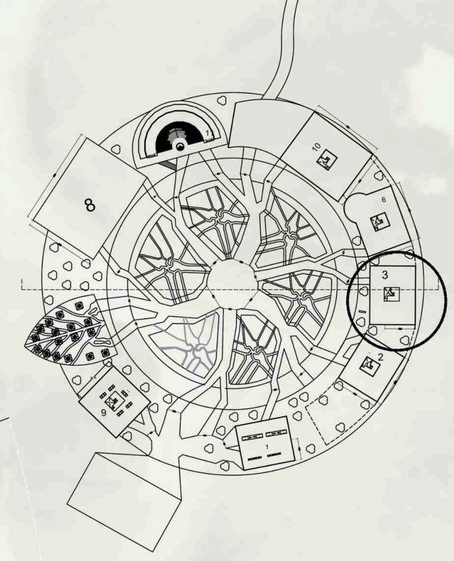
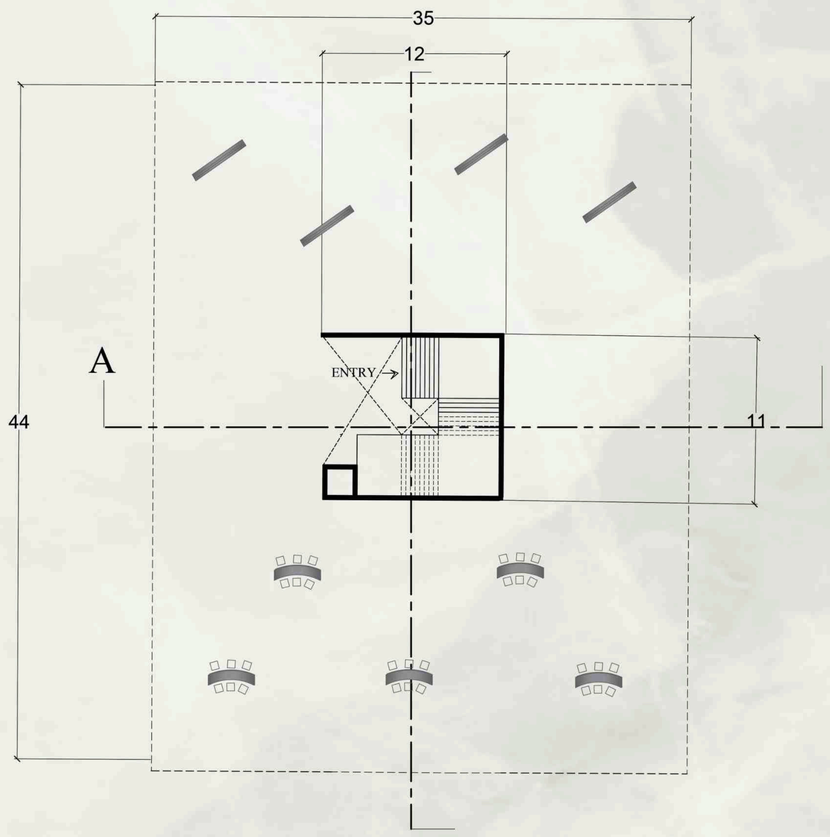
INTERPRETATION CENTER

MEMORY ART GALLERY

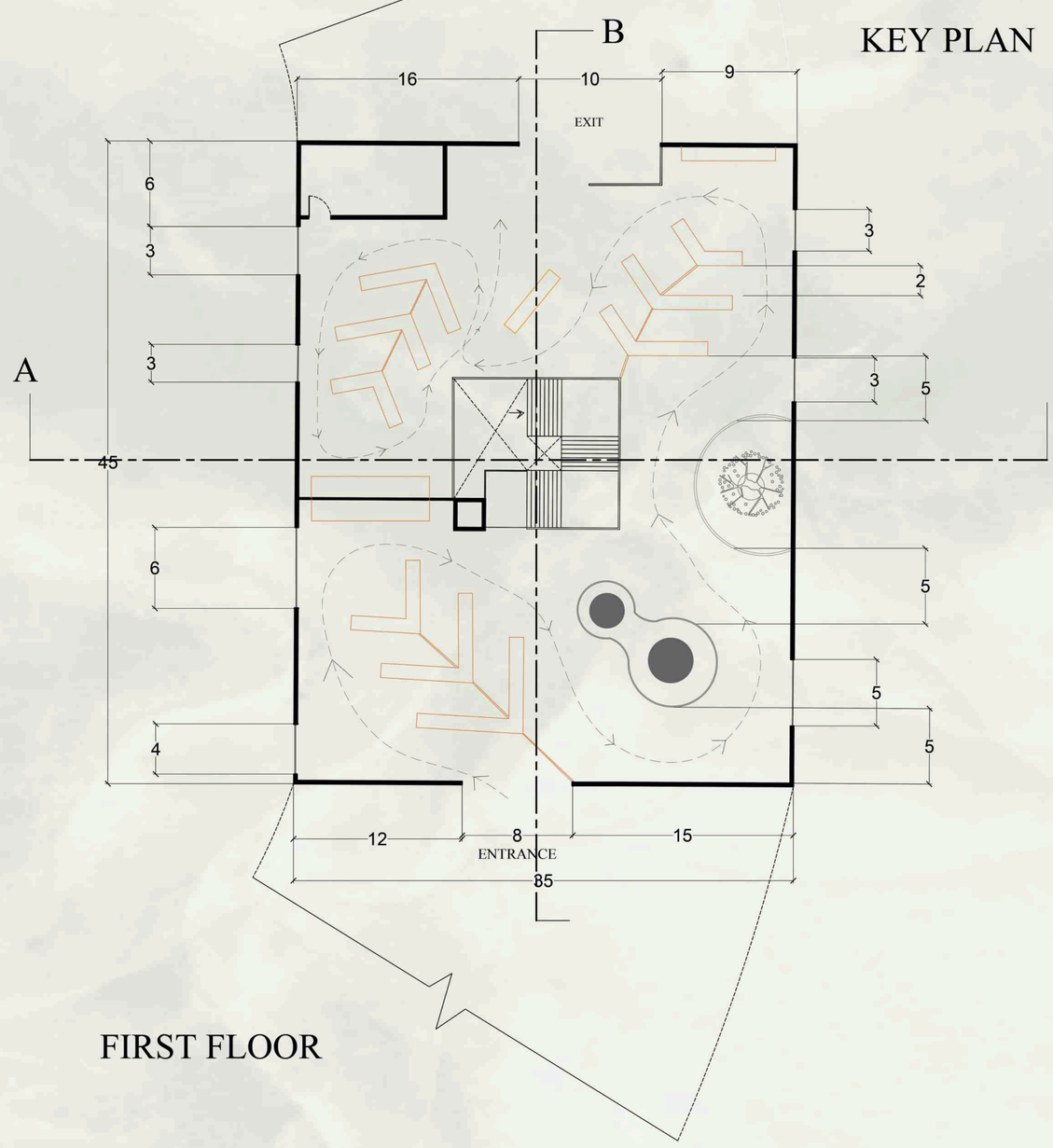
FLOOR PLAN 1:200



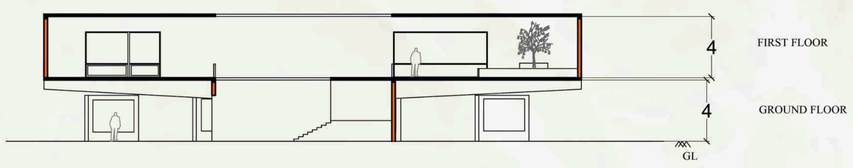
KEY PLAN



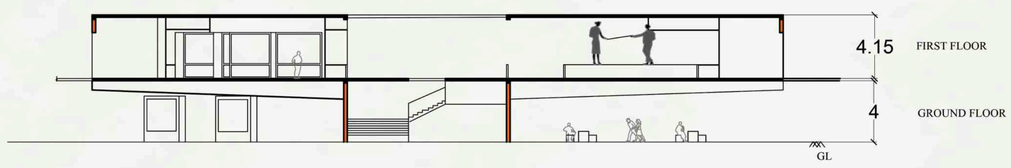
GROUND FLOOR



FIRST FLOOR



SECTION A A'



SECTION B B'

NORTH

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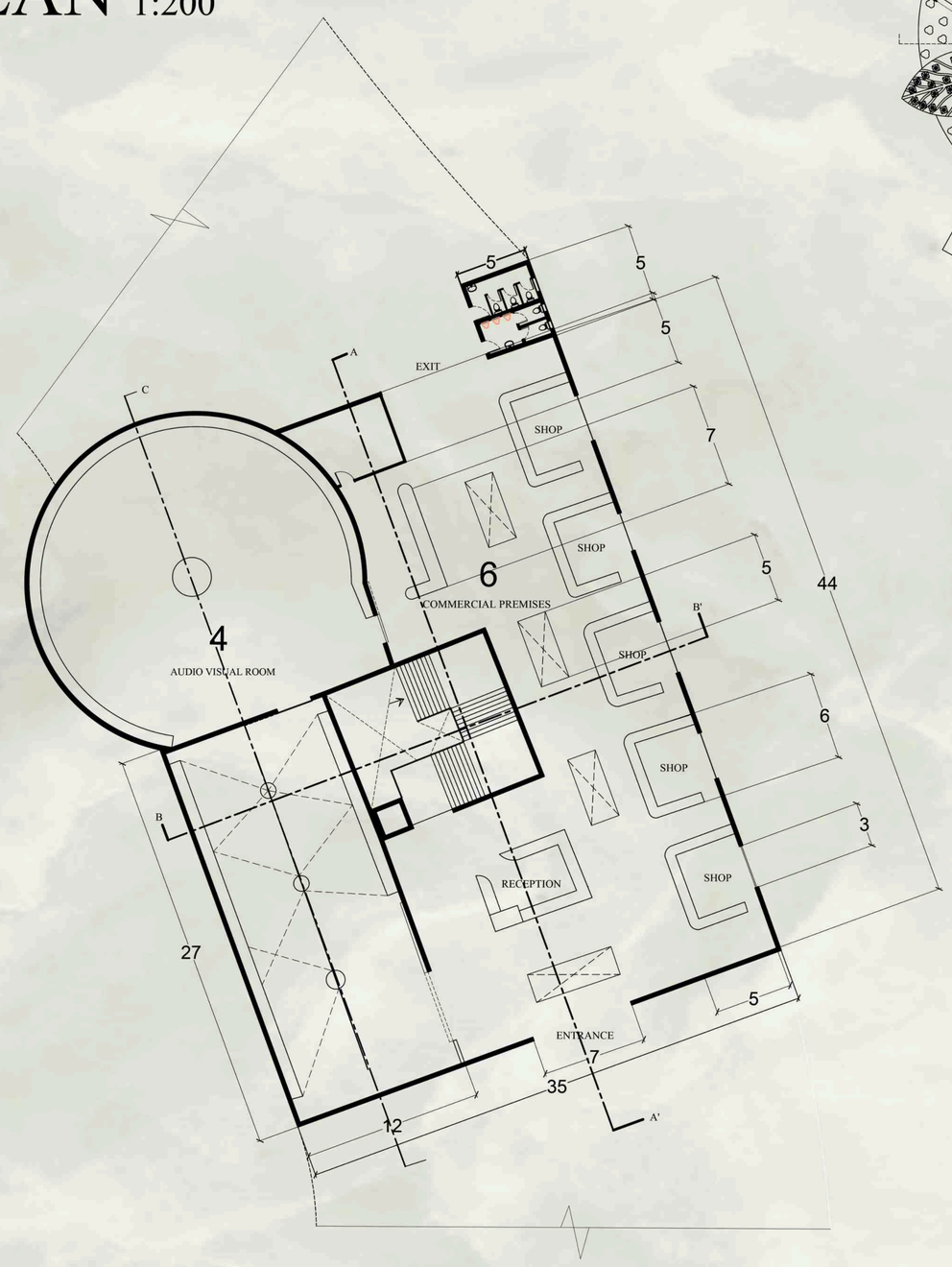
INTERPRETATION CENTER

AUDIOVISUAL ROOM & COMMERCIAL PREMESIS

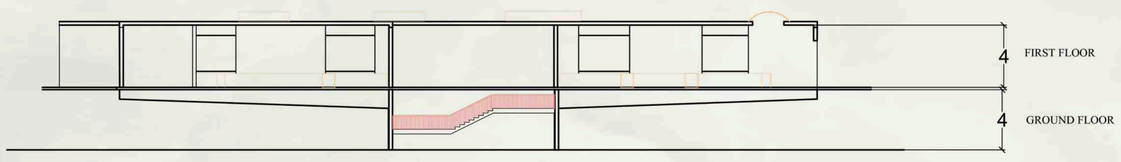
FLOOR PLAN 1:200

GROUND FLOOR



FIRST FLOOR

KEY PLAN



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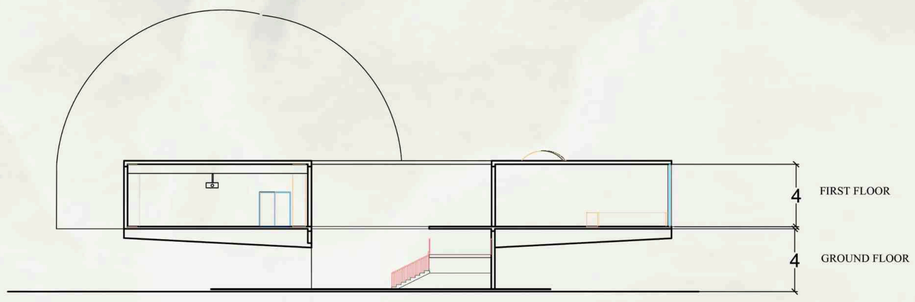

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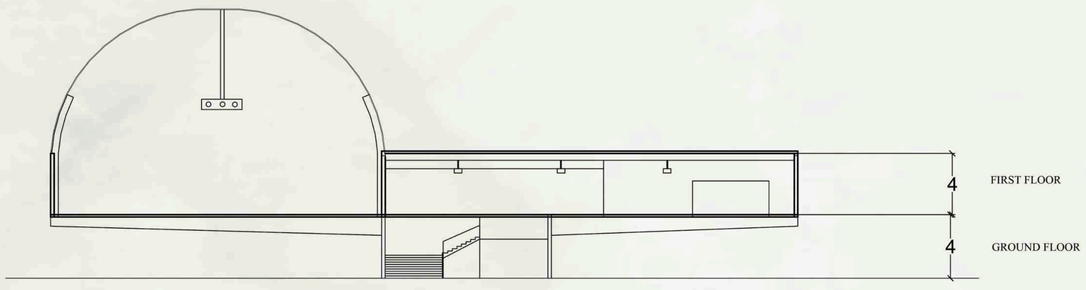

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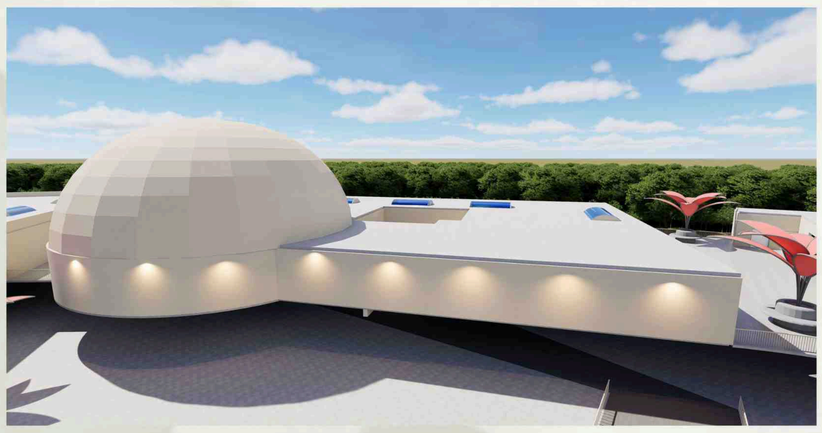
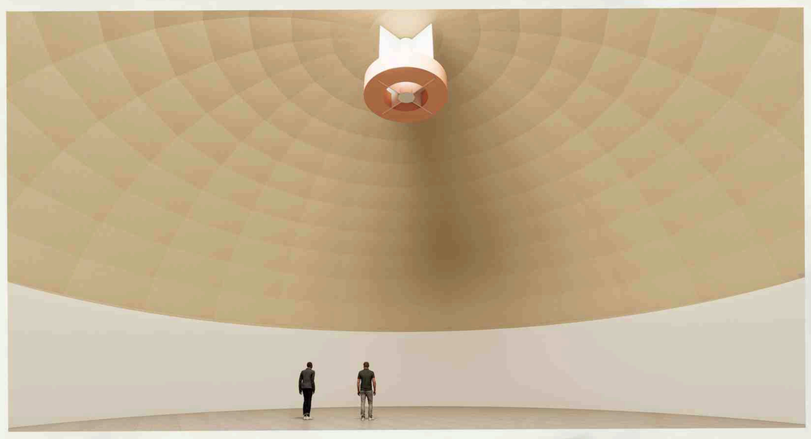




VIEWS

NORTH

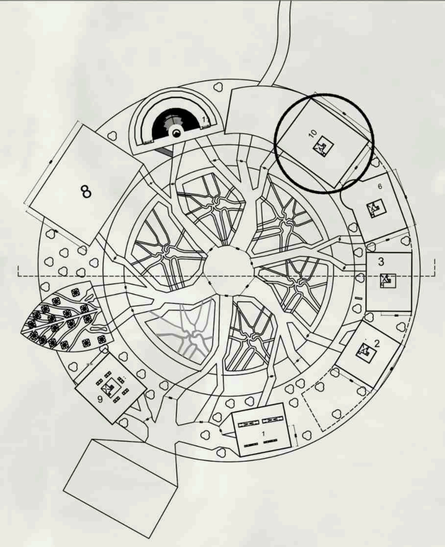
ALL DIMENSION AREE IN M 1:200

SYED KAREEM .R 230101601037 B ARCH A SEC VI SEM CSA

INTERPRETATION CENTER

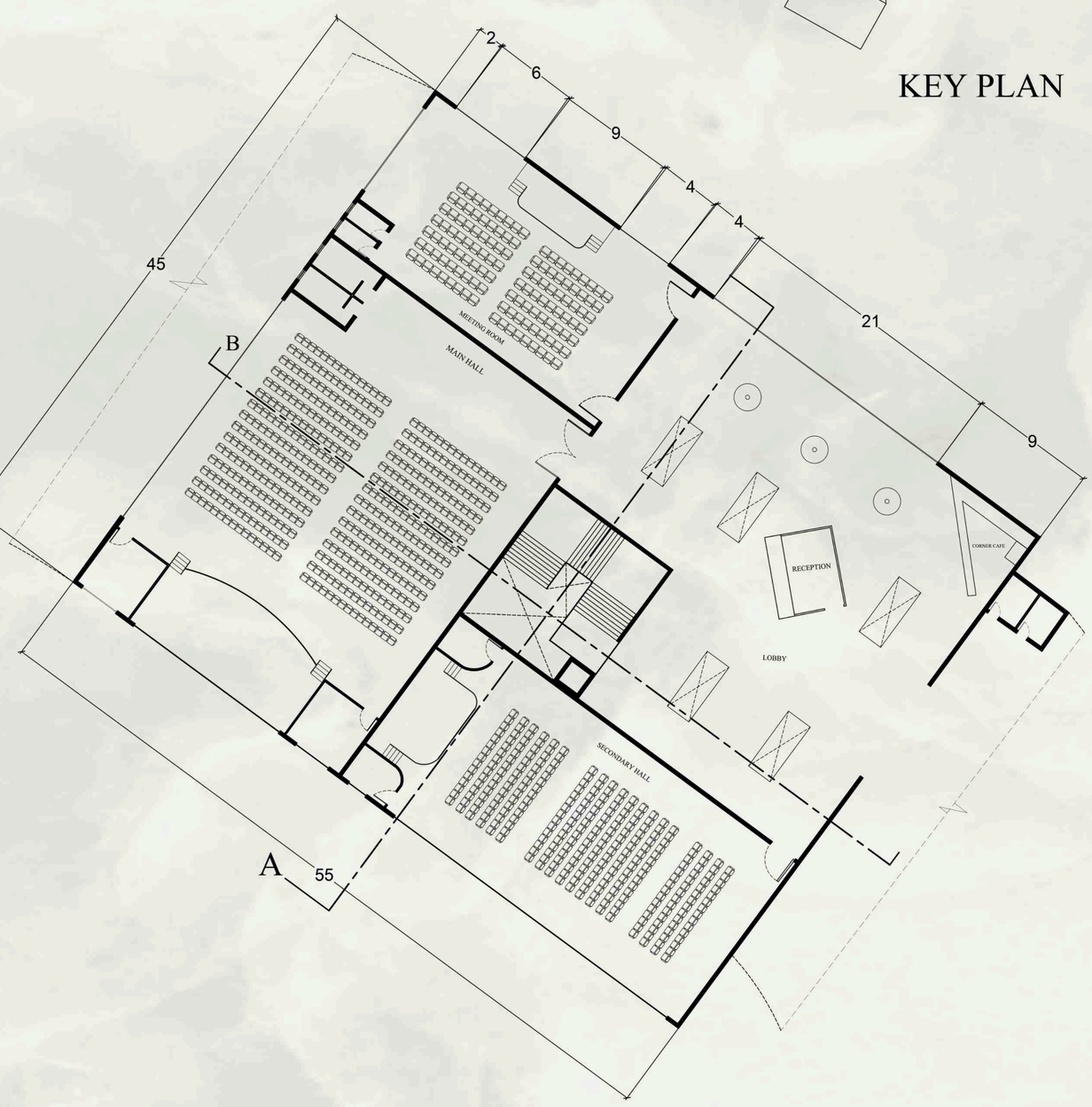
CONFERENCE COMPLEX

FLOOR PLAN 1:200

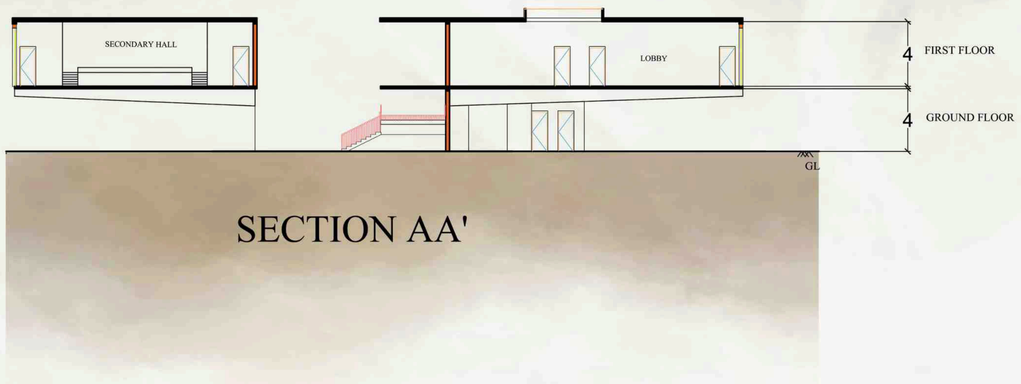


KEY PLAN

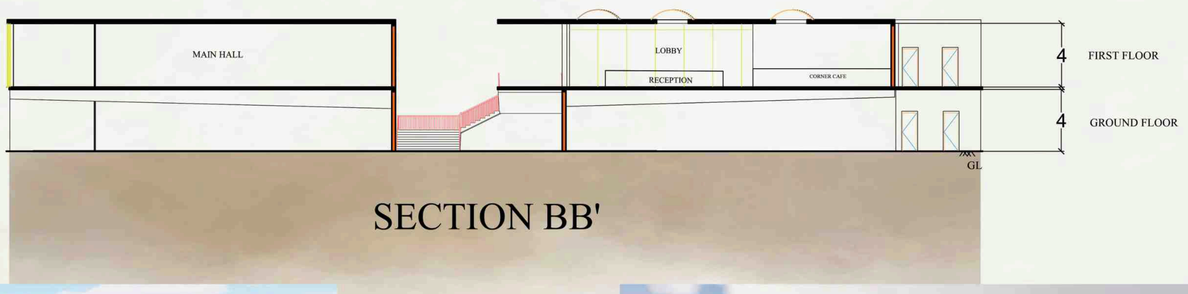
GROUND FLOOR



FIRST FLOOR



SECTION AA'



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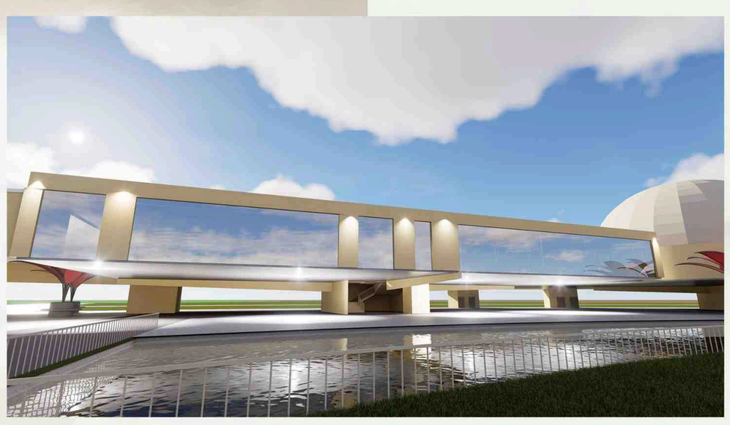
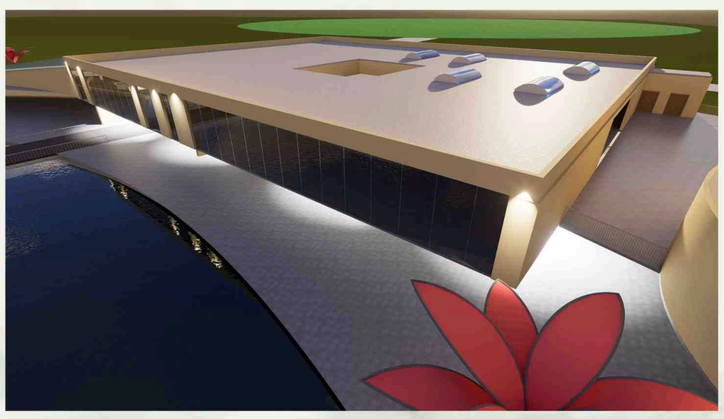




VIEWS

NORTH

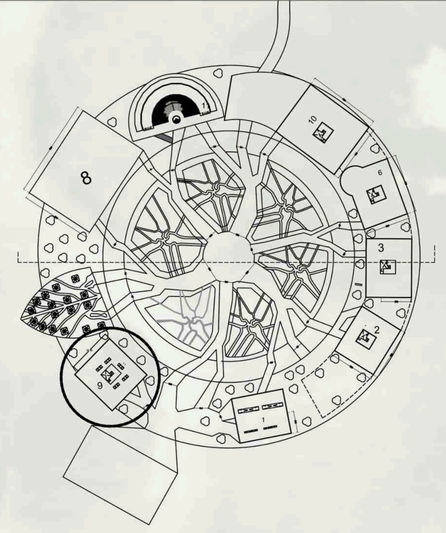
ALL DIMENSION ARE IN M SCALE 1:200

SYED KAREEM 230101601037 B ARCH A SEC VI SEM CSA

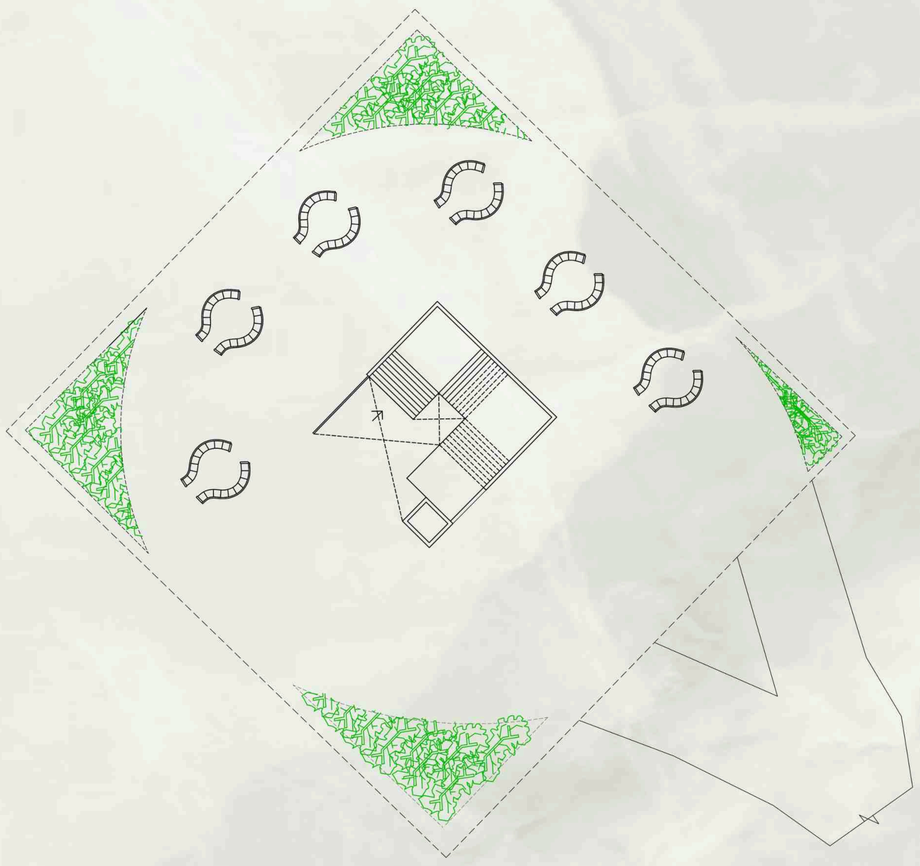
INTERPRETATION CENTER

CLASSROOM COMPLEX

FLOOR PLAN 1:200

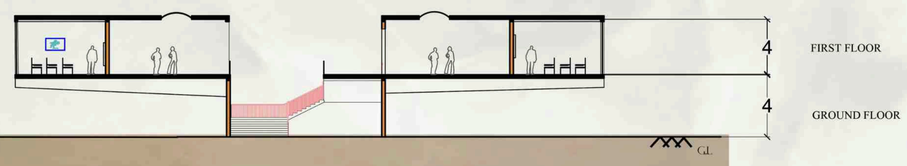


KEY PLAN



GROUND FLOOR

FIRST FLOOR



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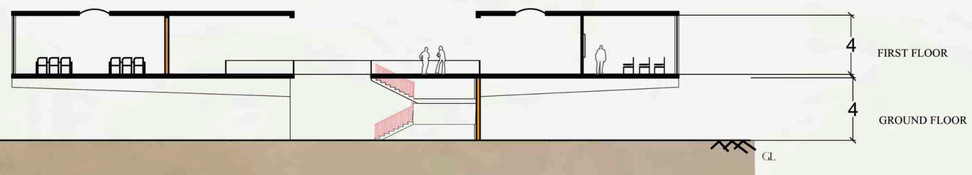

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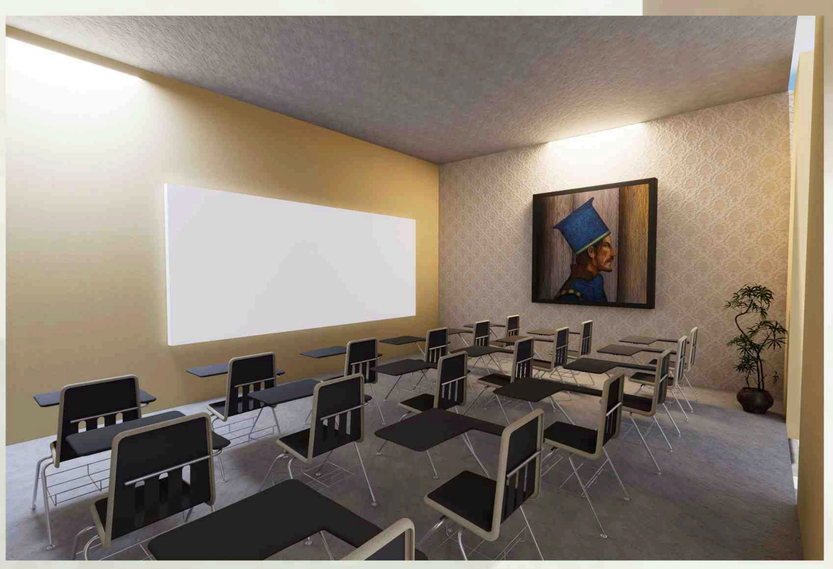


VIEWS

NORTH

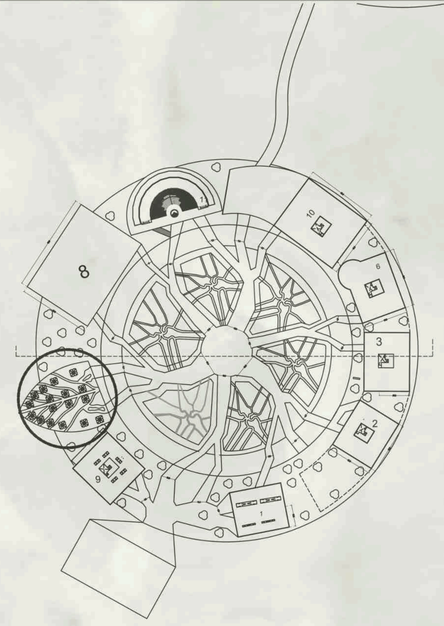
ALL DIMENSION ARE IN M
SCALE 1:200

SYED KAREEM 230101601037 B ARCH A SEC VI SEM CSA

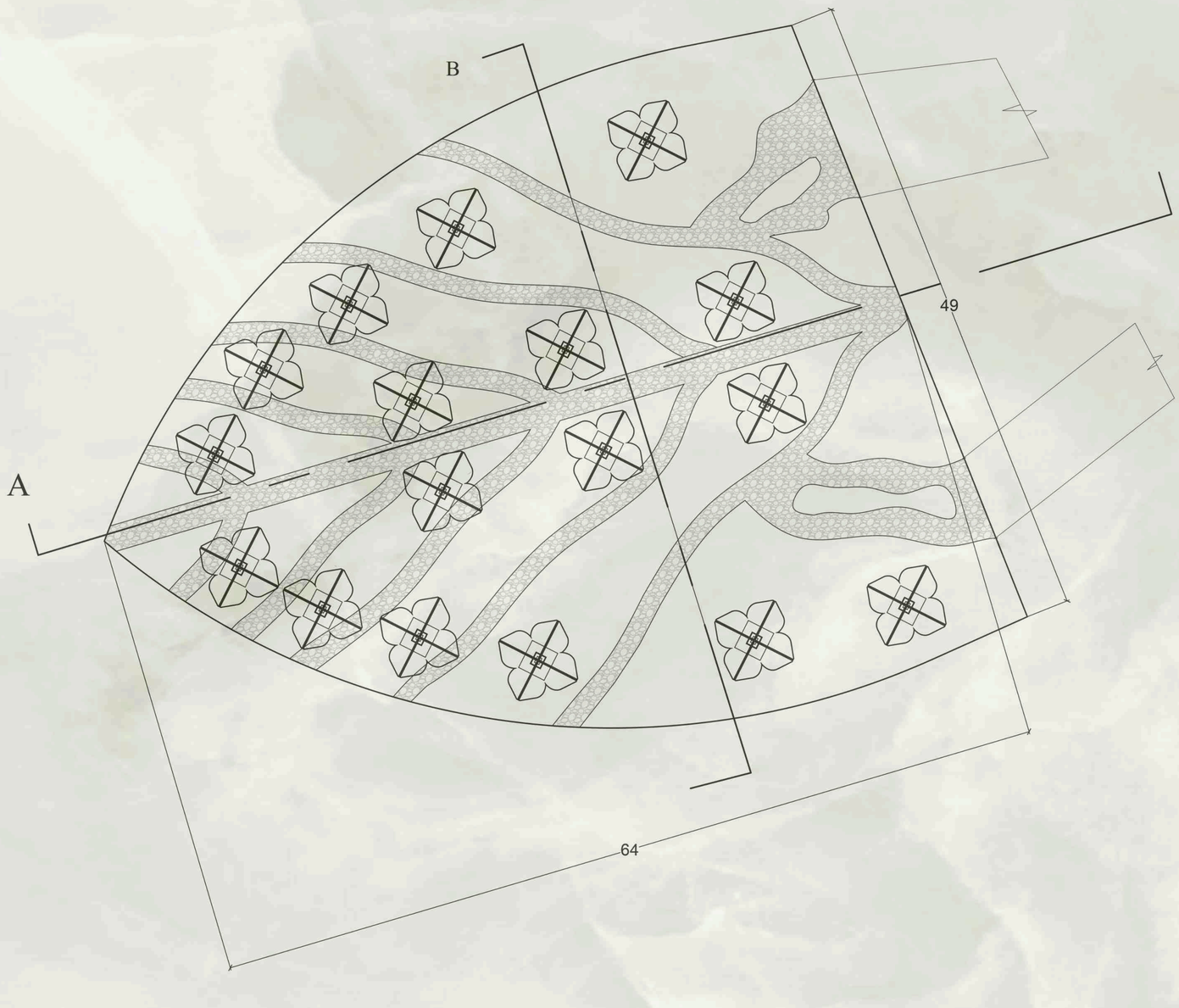
INTERPRETATION CENTER

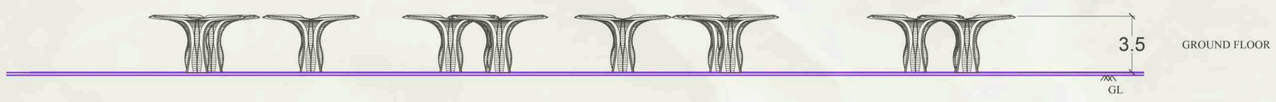
MEMORY PLAZA

FLOOR PLAN 1:200



KEY PLAN





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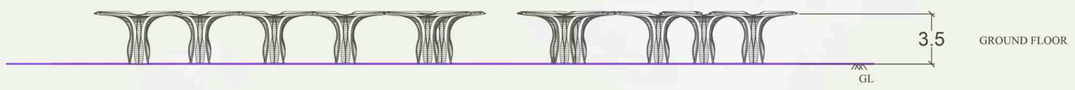


SECTION BB'

VIEWS

NORTH

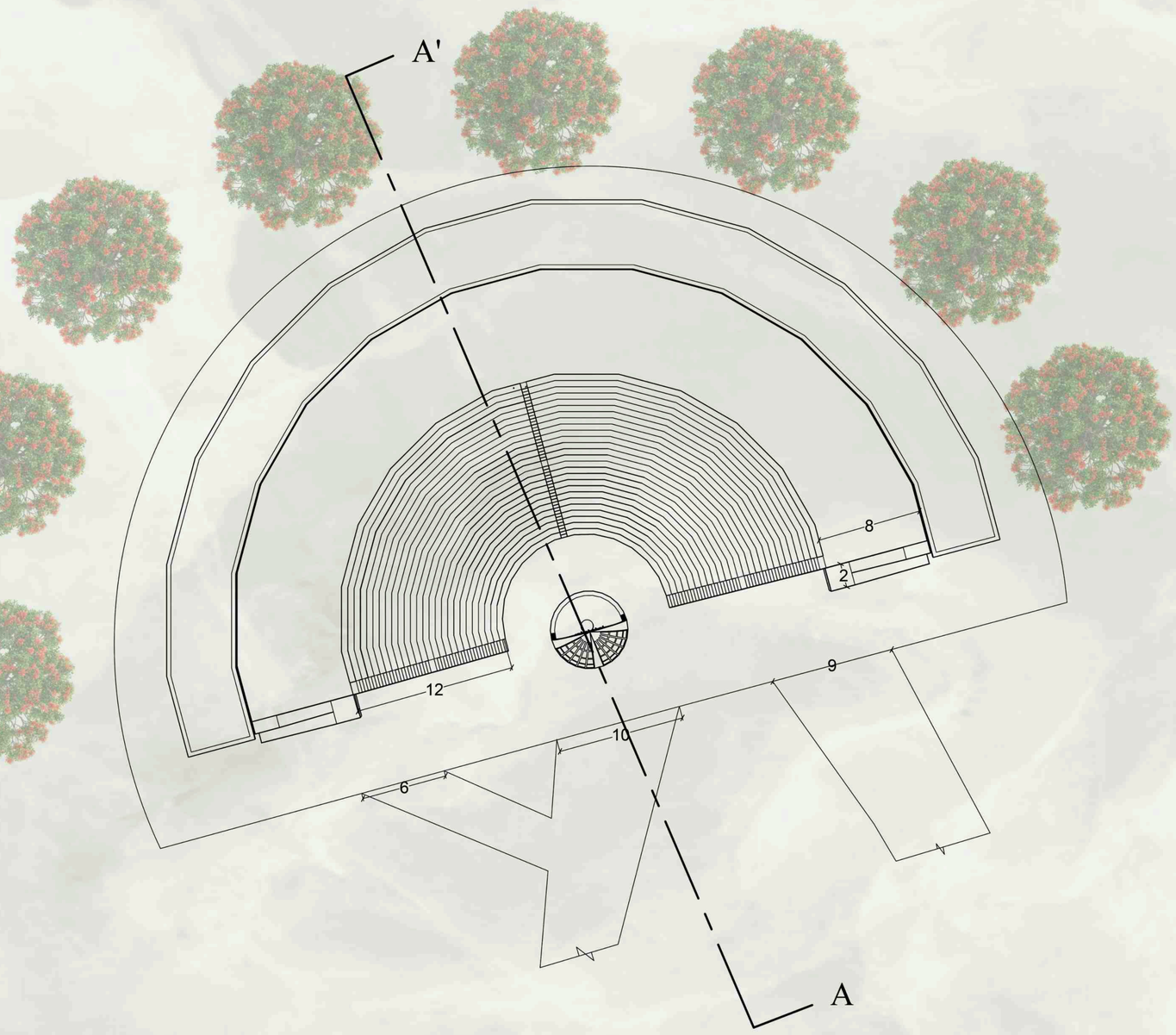
ALL DIMENSION ARE IN M
SCALE 1:200

SYED KAREEM 230101601037

INTERPRETATION CENTER

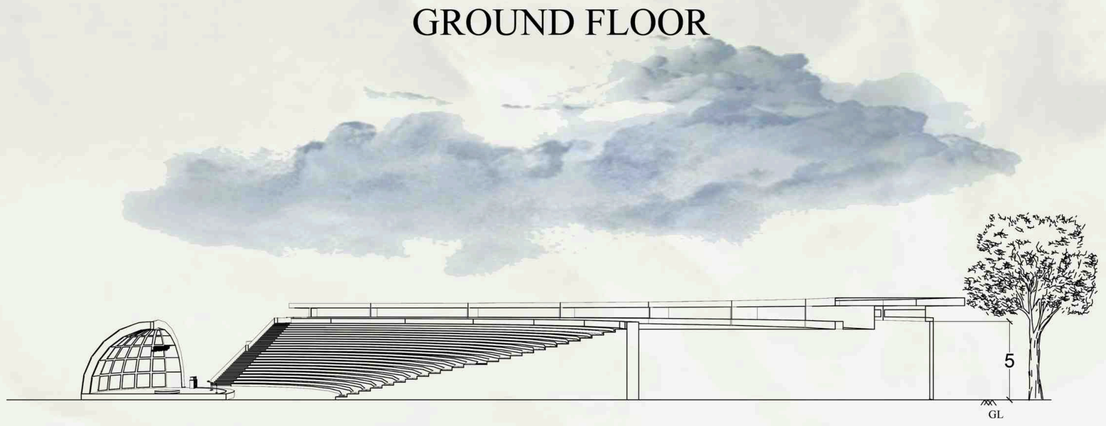
AMPHITHEATRE

FLOOR PLAN 1:200



KEY PLAN

GROUND FLOOR



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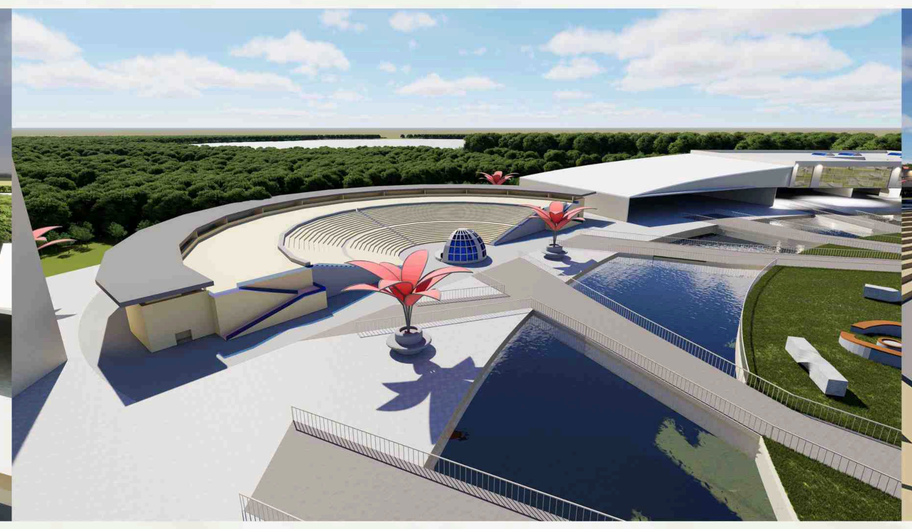
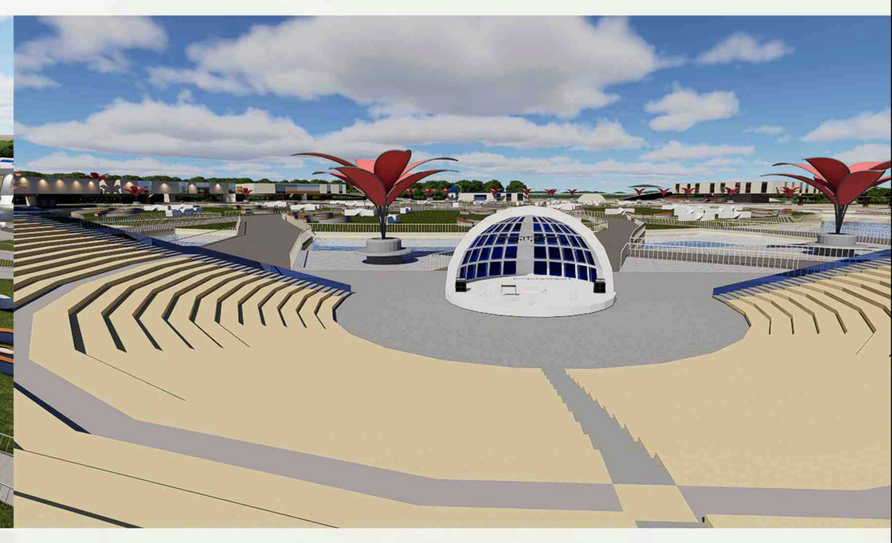
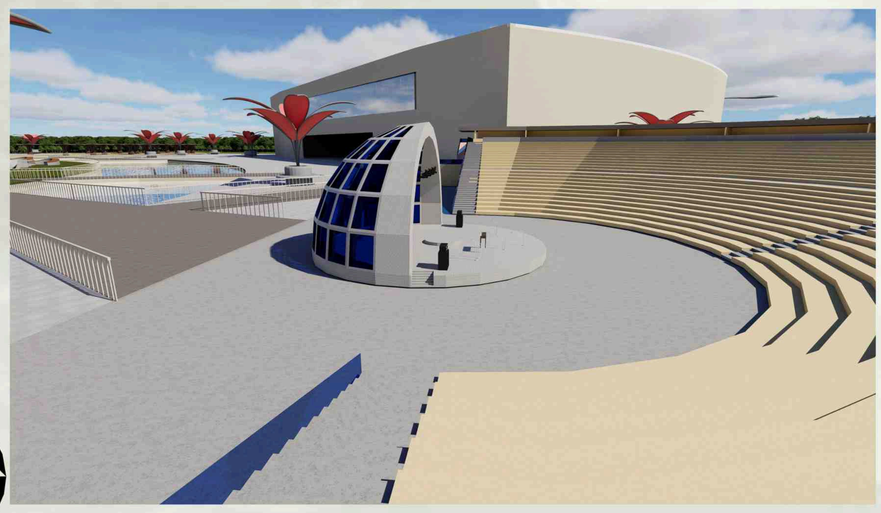
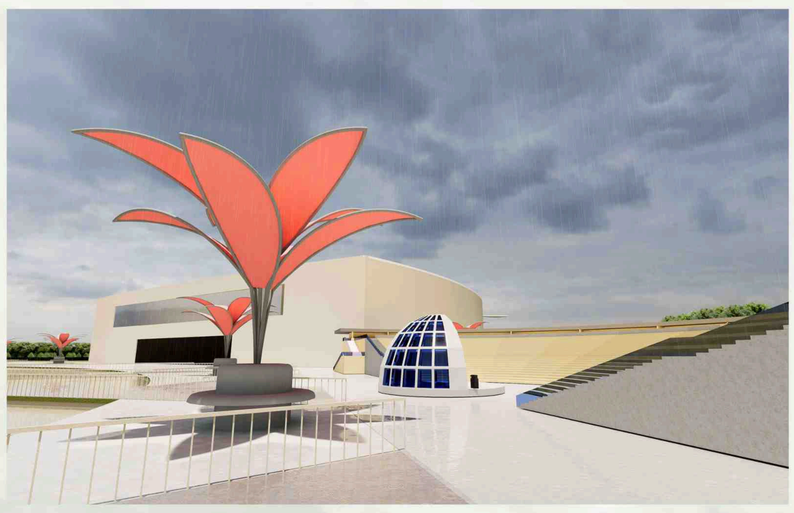






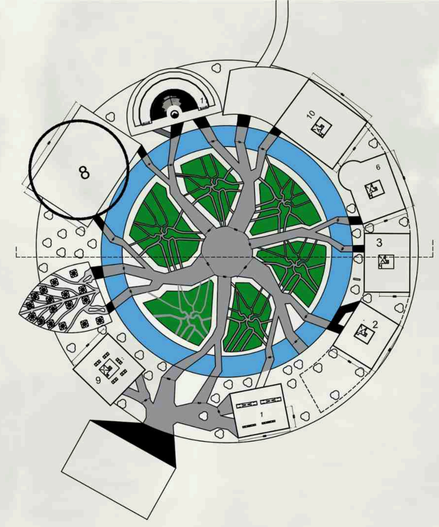


ALL DIMENSION ARE IN M
SCALE 1:200

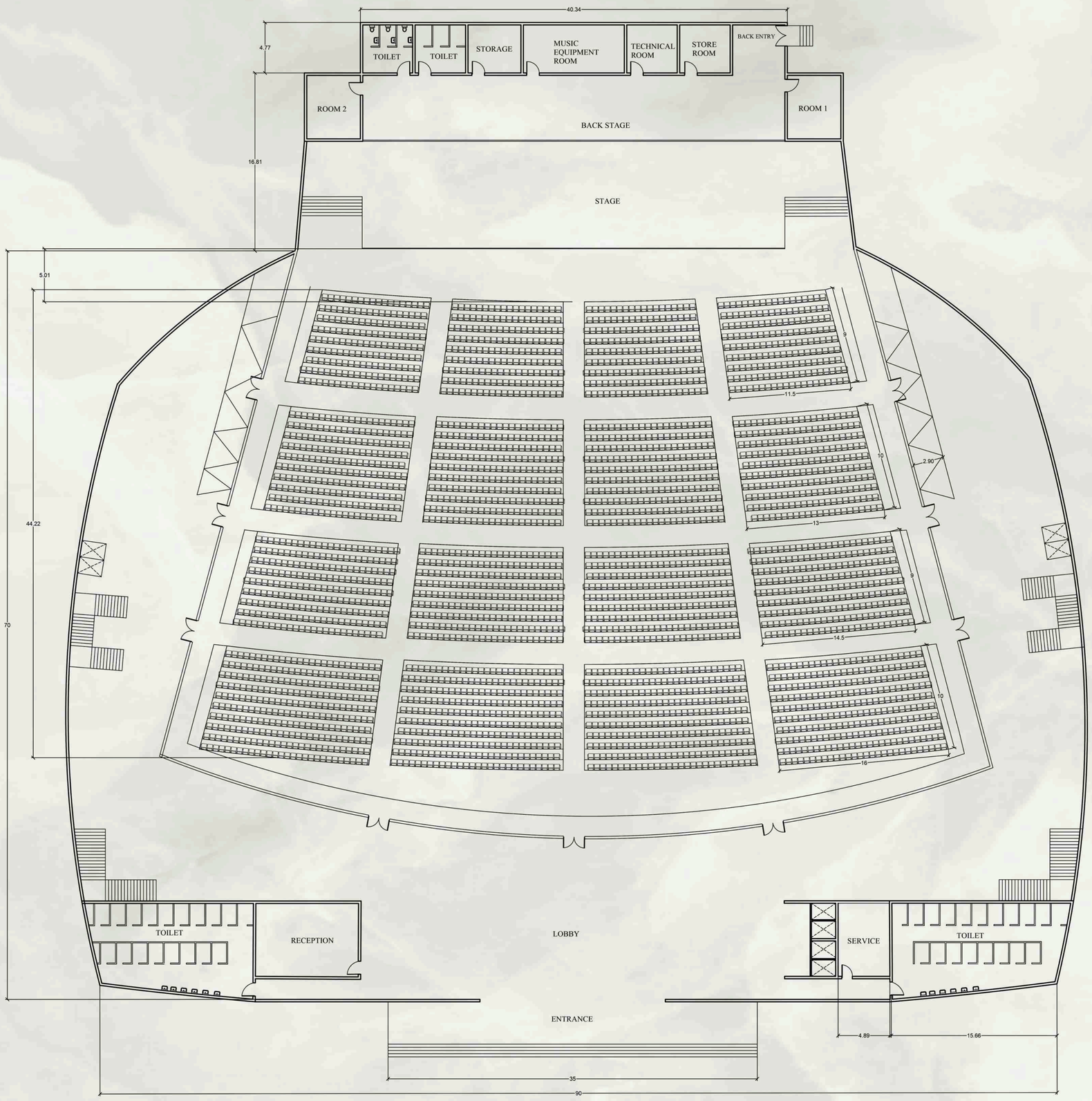
NORTH

SYED KAREEM 230101601037 B ARCH A SEC VI SEM CSA

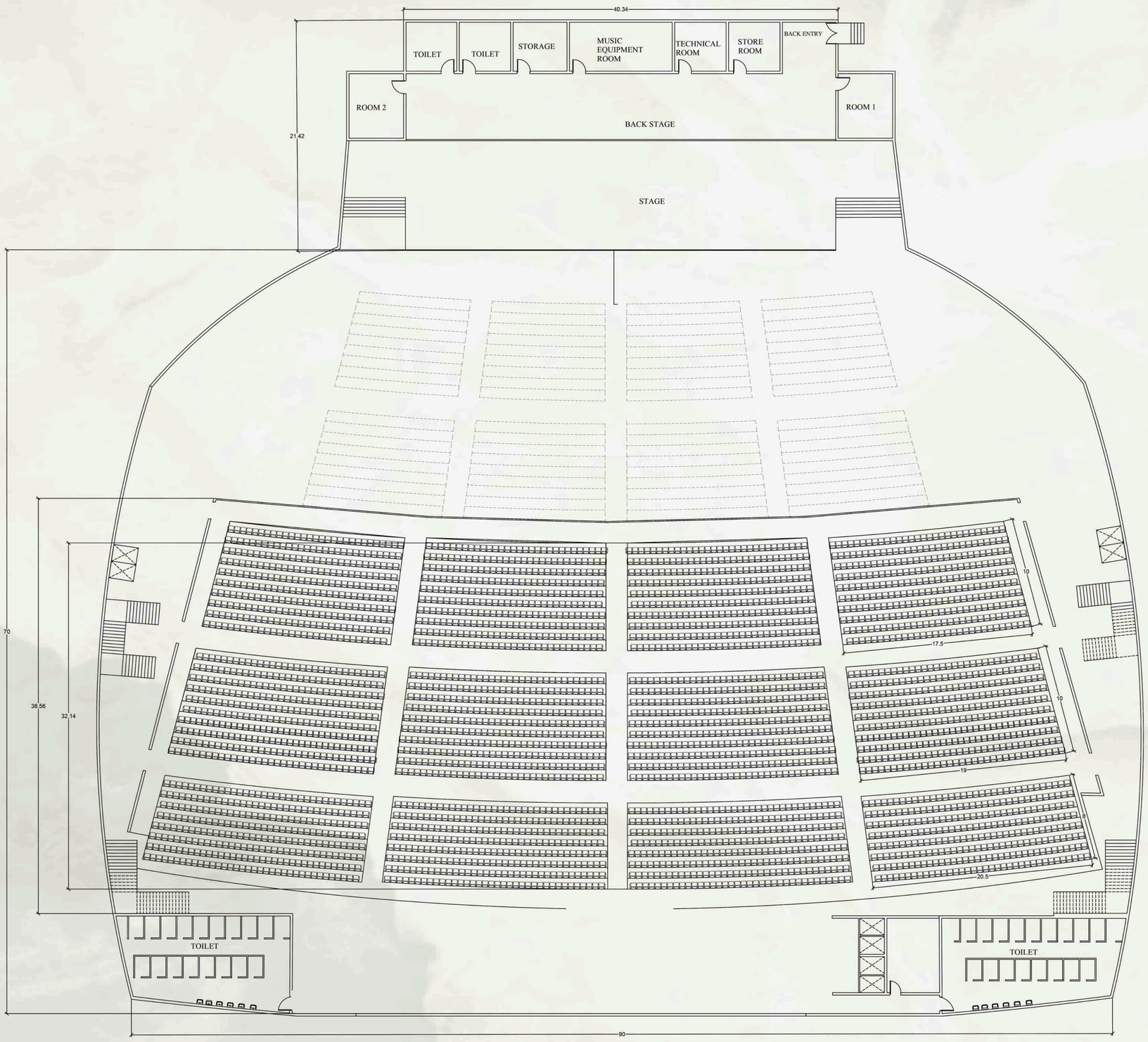
CONCERT HALL FLOOR PLAN 1:200



KEY PLAN



GROUND FLOOR PLAN



FIRST FLOOR PLAN

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ALL DIMENSION ARE IN M

SYED KAREEM .R 230101601037 B ARCH A SEC VI SEM BATCH 2023- 28 CSA