SITE ANALYSIS :

The site presents a unique opportunity to transform a historically significant landscape into an experiential environment, where natural contours, existing vegetation, and controlled movement are used to create a meaningful journey that connects memory, space, and future awareness.

LOCATION CONTEXT :

- Site located in San Miguel de Tucumán, Argentina
- Situated within an urban-historic fabric
- The site holds strong historical and memorial significance(Arsenal past events)
- Surrounded by mixed-use urban development (residential + institutional + roads)

HISTORICAL SIGNIFICANCE :

- The site is part of the former Arsenal area
- Associated with past political/military event
- Functions as a memory and reflection space
- Design must preserve emotional identity + historical narrative

SITE SURROUNDINGS :

The site is surrounded by:

- Urban development (residential and institutional)
- Road networks providing access
- Built edges with minimal natural buffering

DESIGN IMPLICATION:

- A transition must be created from the active urban edge into a controlled, contemplative interior through landscape buffering.

TOPOGRAPHY AND CONTOUR:

The site is not completely flat and includes gentle contour variations.

- Slight level differences exist across the site
- No steep slopes, but subtle terrain changes are present

DESIGN IMPLICATION:

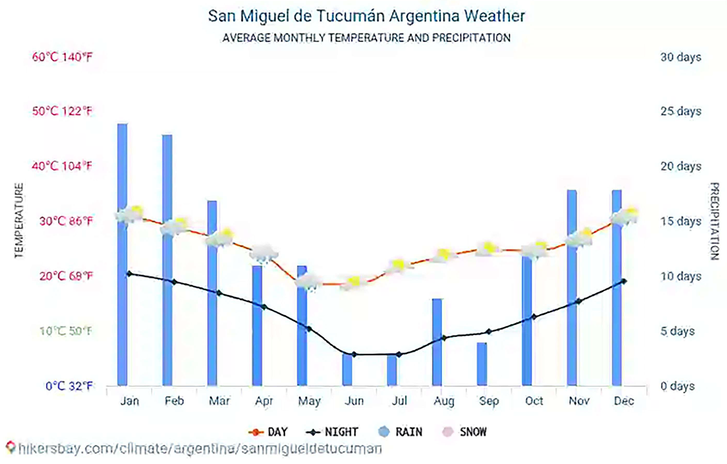
- Contours can be used to create:
  - Sunken spaces (reflection areas)
  - Raised platforms (viewpoints)
- Natural slope helps in:
  - Drainage
  - Spatial hierarchy
- Minimal cutting and filling should be done to preserve natural terrain

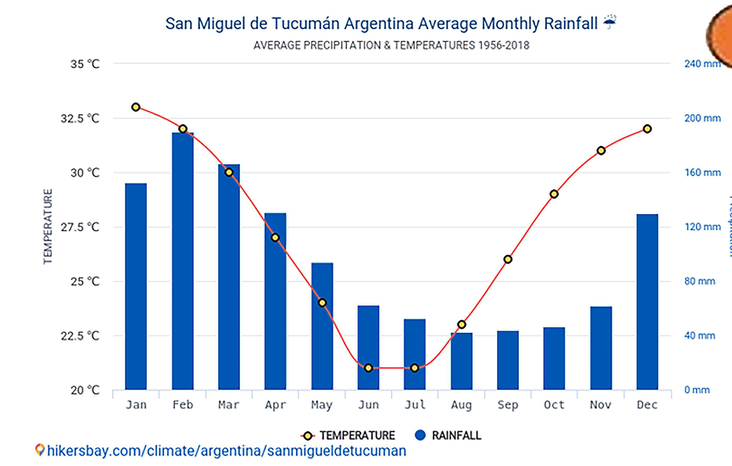
CLIMATE CONDITIONS :

- Climate: Humid Subtropical
- Hot summers with strong sunlight
- Moderate rainfall

DESIGN IMPLICATION:

- Shaded pathways are essentia
- Buildings must avoid west heat gain
- Water elements can improve microclimate





SUN ORIENTATION & WIND MOVEMENT:

- Strong solar exposure throughout the day
- West direction receives harsh sunlight
- Moderate airflow across the site

DESIGN STRATEGY:

- Place major openings towards North/East
- Use landscape and built forms as shading elements
- Align open spaces and corridors to capture natural ventilation
- Avoid blocking wind movement with dense built mass

DESIGN DRIVERS FROM SITE :

- equential movement
- Landscape as primary element
- Climatic response
- Minimal built dominance
- Integration with contour

VEGETATION :

- Existing trees are present in scattered form
- No dense forest cover

DESIGN STRATEGY:

- Retain maximum existing trees
- Remove only:
  - Dead or unsafe trees
  - Trees obstructing essential circulation

INTRODUCE:

- Native vegetation
- Tree corridors for movement guidance
- Dense planting for buffering

SOIL CONDITION:

- Urban site with stable soil conditions

DESIGN IMPLICATION:

- Suitable for construction
- No major foundation challenges expected

SITE POTENTIALS:

- Strong narrative-driven design opportunity
- Contours allow spatial variation
- Good accessibility
- Scope for landscape integration

LANDSCAPE STRATEGY :

Landscape plays a central role in shaping the emotional and experiential quality of the site.

LANDSCAPE ELEMENTS INCLUDE:

- Memory gardens symbolizing remembrance
- Reflective water bodies enhancing contemplation
- Tree corridors guiding movement
- Open lawns for public interaction
- Native vegetation strengthening ecological identity

CIRCULATION STRATEGY :

The movement across the site follows a linear experiential axis supported by secondary paths.

MAIN CIRCULATION ELEMENTS:

- Primary axis connecting major spaces
- Secondary landscape paths
- Gathering nodes at intersections
- Gradual transition between open and enclosed spaces

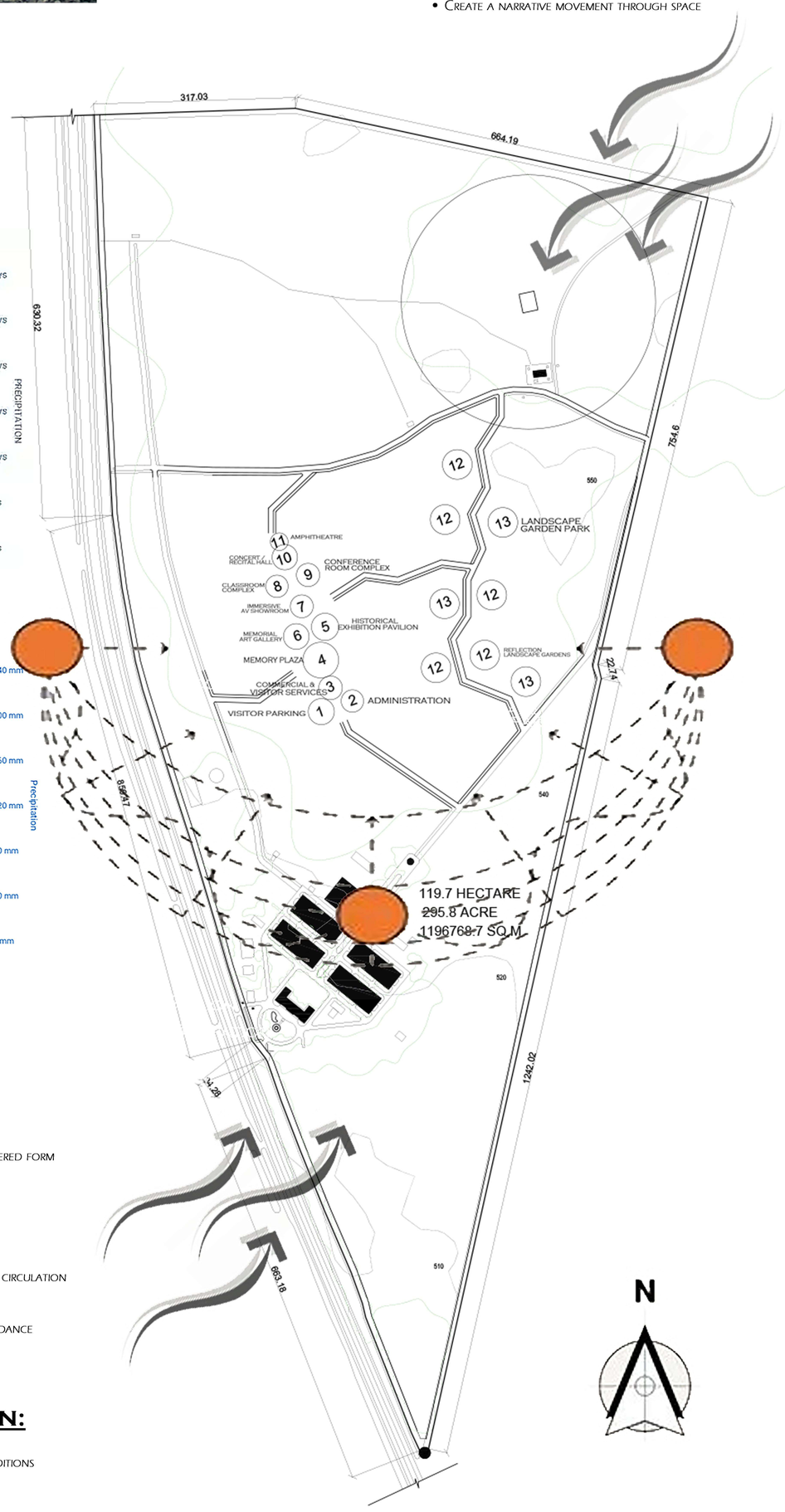
This circulation structure ensures a clear narrative movement through the site.

SITE INTERPRETATION :

The site is interpreted as a memory landscape where architecture is secondary to experience.
Built forms are integrated with open spaces to maintain visual continuity and allow the landscape to communicate historical narratives.

Design approach:

- Preserve historical character
- Introduce experiential landscape spaces
- Maintain visual openness
- Create a narrative movement through space



CONCEPT VISION :

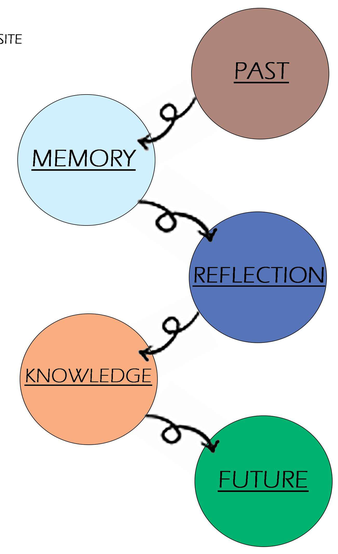
Arsenal Memory Park is conceived as a commemorative landscape that transforms a historic site into a space of reflection, remembrance, and learning. The design creates a spatial journey where visitors move from arrival and recognition to deeper reflection and ultimately toward knowledge and understanding. The park blends architecture, landscape, and cultural memory to create a meaningful public space.

CORE DESIGN IDEA :

The concept is based on "JOURNEY THROUGH MEMORY."

Visitors experience the site through a gradual spatial transition where the past is acknowledged, reflected upon, and transformed into knowledge for future generations.

- PAST – Historical significance of the arsenal site
- MEMORY – Commemoration of events and people
- REFLECTION – Quiet contemplative spaces
- KNOWLEDGE – Exhibition and learning spaces
- FUTURE – Public engagement and awareness



DESIGN PRINCIPLES :

The design is guided by the following principles:

- Respect historical memory
- Integrate architecture with landscape
- Create meaningful spatial experiences
- Encourage reflection and learning
- Maintain environmental sensitivity

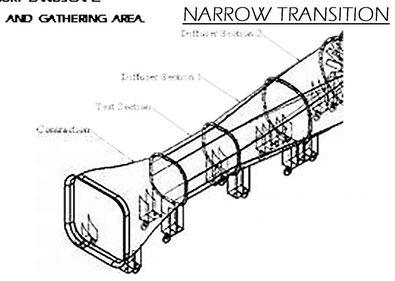
SPATIAL ZONING CONCEPT :

The site is organized into three primary zones:

ENTRANCE / THRESHOLD ZONE:

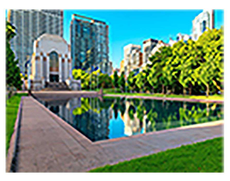
Acts as the transition from city to memory landscape.
Includes entry plaza, orientation space, and gathering area.

NARROW TRANSITION



MEMORIAL & REFLECTION ZONE:

The core emotional space of the project.
Includes memorial structures, reflection courts, and contemplative landscape areas.



KNOWLEDGE & INTERPRETATION ZONE:

Educational and interactive zone where visitors learn about the site's history.Includes exhibition spaces, galleries, and interpretative installations

ARCHITECTURAL LANGUAGE :

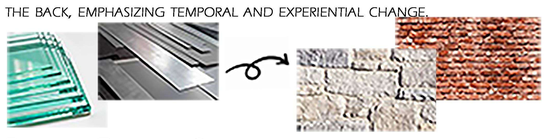
The architectural character is defined by simplicity and integration with nature.

Key principles:

- Low-rise pavilions that respect the landscape
- Open courtyards and transitional spaces
- Minimal architectural expression
- Emphasis on spatial experience rather than built mass

Buildings function as quiet frames for the surrounding landscape.

Material Transition: Front façade uses modern materials (glass/metal), gradually transitioning to traditional materials (stone/brick) towards the back, emphasizing temporal and experiential change.

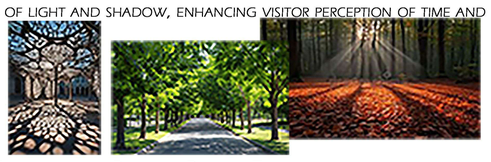


Experiential Thresholds: Subtle changes in flooring, texture, and planting guide visitors through emotional journey without explicit barriers.

Layered Planting: Dense planting near entrance gradually thins out, symbolizing moving from personal reflection to open collective memory.

Micro-Topography: Small 50mm elevation changes enhance spatial hierarchy, guide movement, and allow subtle separation of zones without walls.

Filtered Light Corridors: Trees, screens, and pavilion openings create patterns of light and shadow, enhancing visitor perception of time and memory.



Visual Connection of Past and Present: Through openings, visitors can simultaneously see modern intervention and historic remnants, reinforcing continuity of memory.

OUTCOME :

The proposal transforms the arsenal site into a living memorial landscape that balances remembrance with education.By combining architecture, landscape, and narrative movement, the project creates a meaningful public space that connects the past with future generations.

INTERPRETATION CENTER DESIGN PROPOSAL

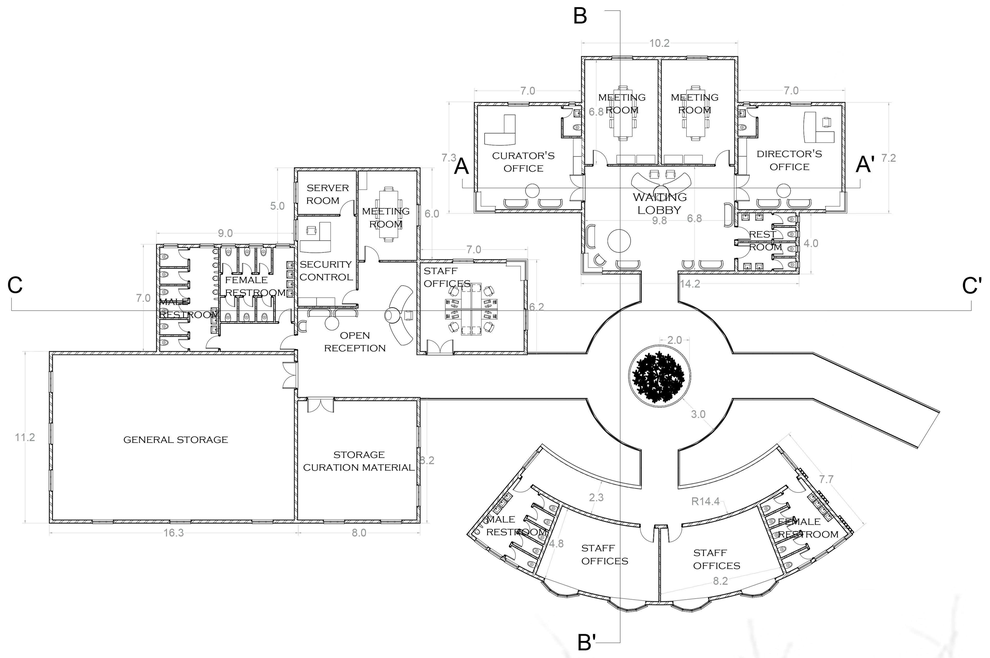
KNOWLEDGE

THROUGH MEMORY AND

A JOURNEY

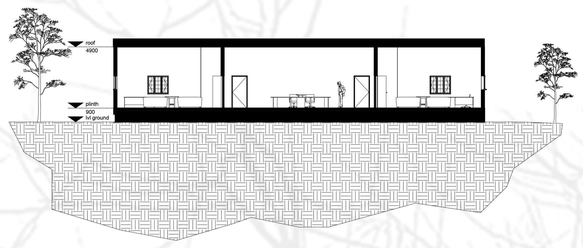
KISHORE.V_230101601015_B.ARCH_3RD YEAR_A-SEC

ARSENAL MEMORY PARK - FLOOR PLAN

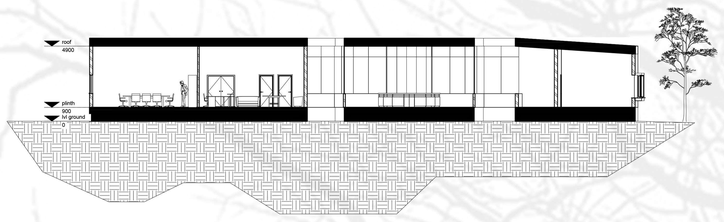


GROUND FLOOR PLAN

AREA STATEMENT				
S.NO	ROOM NAME	T.ROOM	SQ.M	TOTAL
1	DIRECTION OFFICE	1	50.4	50.4
2	CURATOR OFFICE	1	50.4	50.4
3	MEETING ROOM	2	34	68
4	WAITING LOBBY	1	66.6	66.6
5	STAFF ROOM	1	34	34
6	SECURITY ROOM	1	22	22
7	SERVER ROOM	1	10	10
8	SECURITY STAFF ROOM	1	43.5	43.5
9	OPEN RECEPTION	1	58	58
10	GENERAL STORAGE	1	170	170
11	STORAGE CURATION MATERIAL	1	60	60
12	MALE RESTROOM	1	18	18
13	FEMALE RESTROOM	1	20	20
14	SEC.MALE REST ROOM	1	25	25
15	SEC.FEMALE REST ROOM	1	28	28
16	CIRCULATION AREA	-	130	130
TOTAL AREA				854 SQ.M



SECTION - AA'



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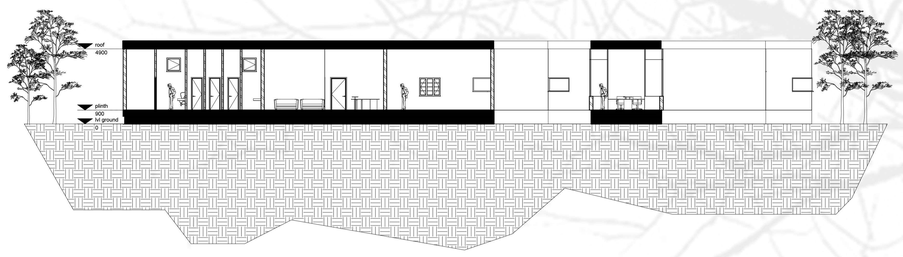

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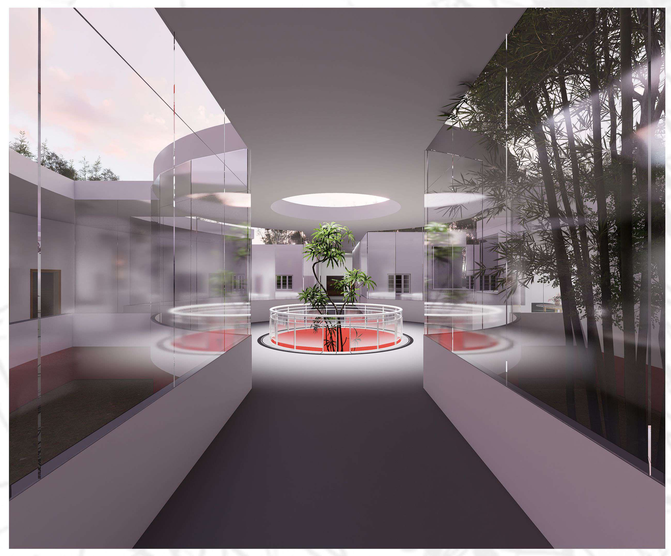


RENDER VIEW AND ISO-SECTIONAL VIEW

ADMINISTRATION BLOCK

CRESCENT SCHOOL OF ARCHITECTURE

NAME : KISHORE.V

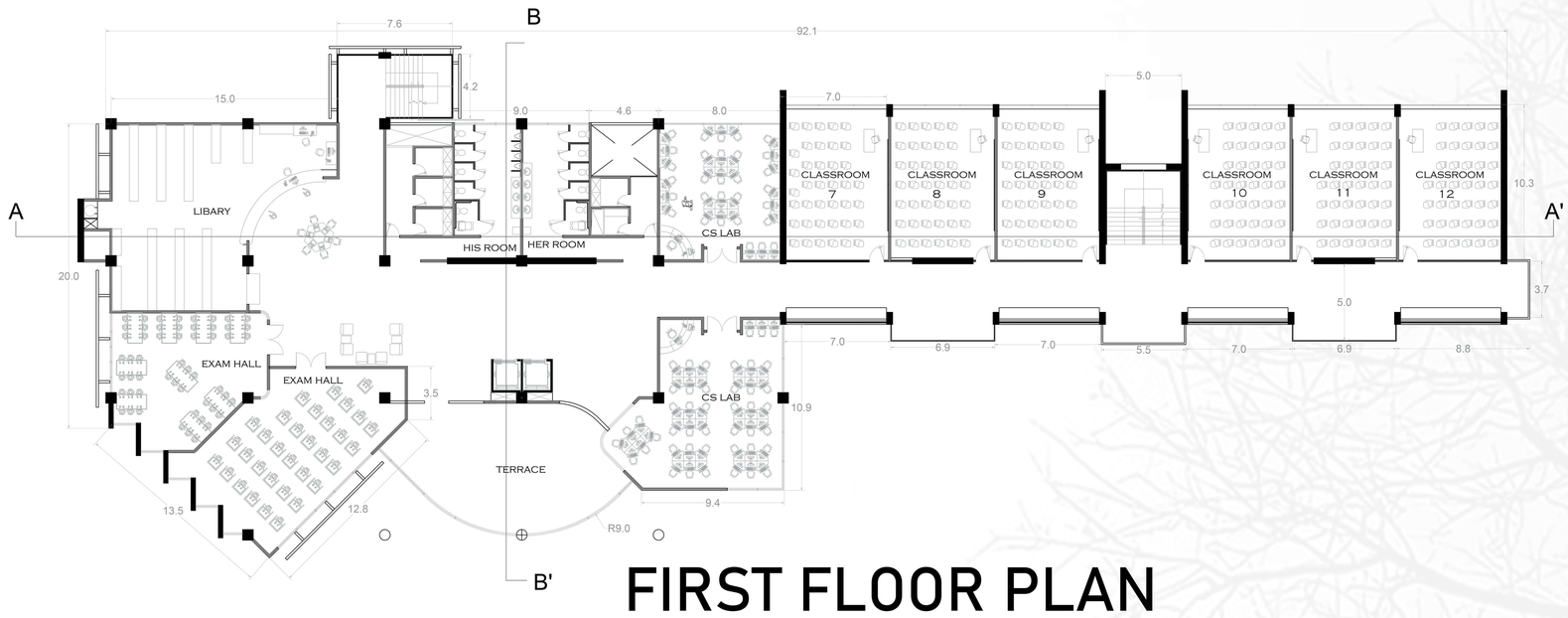
RRN NO : 230101601015

B.ARCH - 3RD YEAR _ A - SECTION

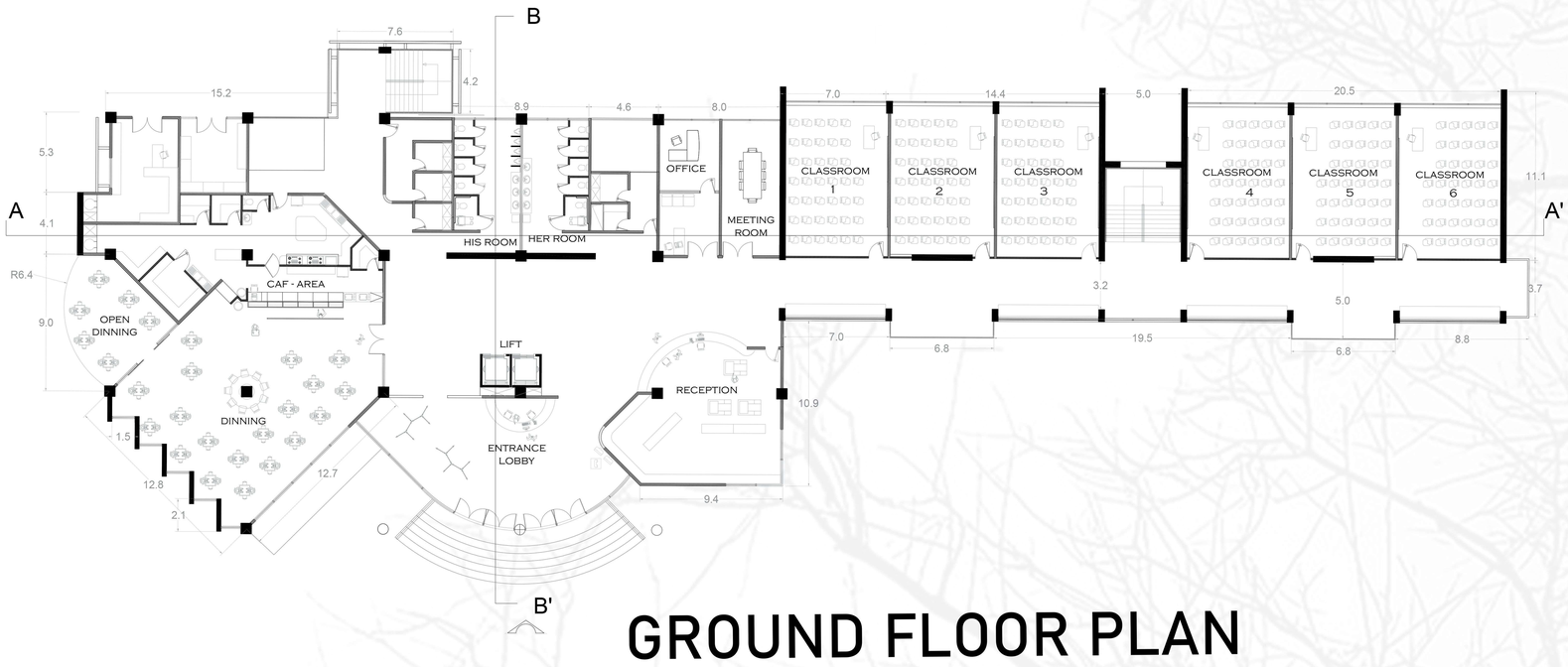
ARCHITECTURAL DESIGN STUDIO - VI

CRESCENT SCHOOL OF ARCHITECTURE

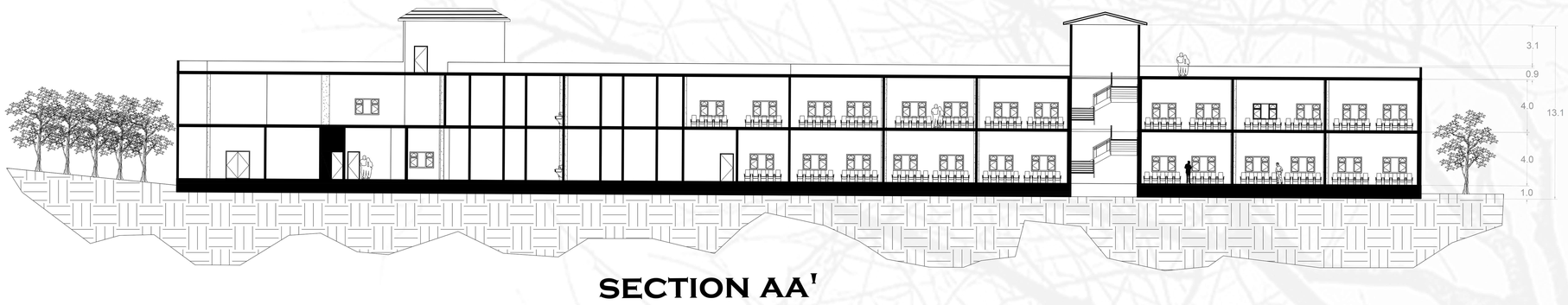
ARSENAL MEMORY PARK -FLOOR PLAN



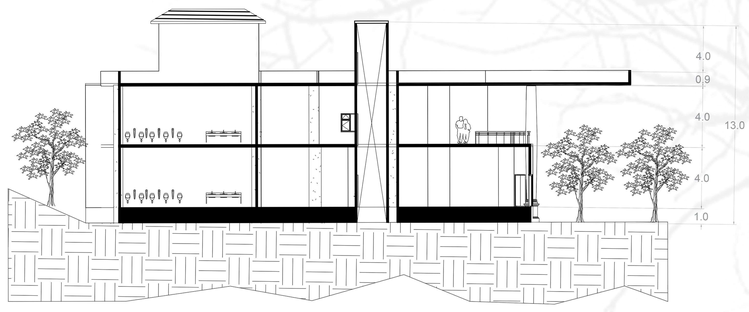
FIRST FLOOR PLAN



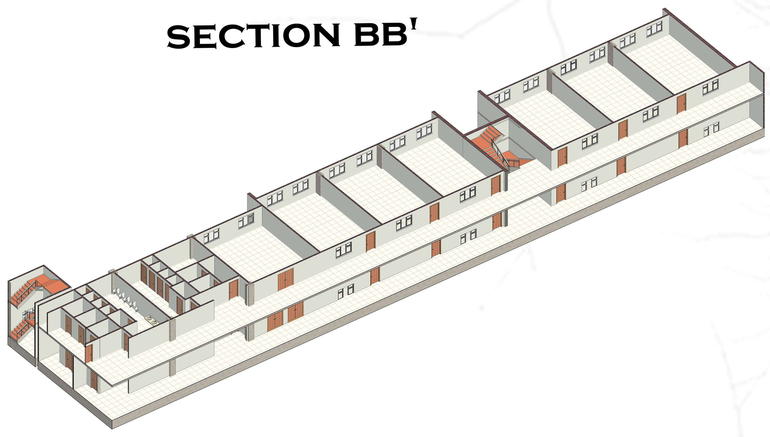
GROUND FLOOR PLAN



SECTION AA'



SECTION BB'



ENTRANCE

DINNING AREA

ENTRY LOBBY

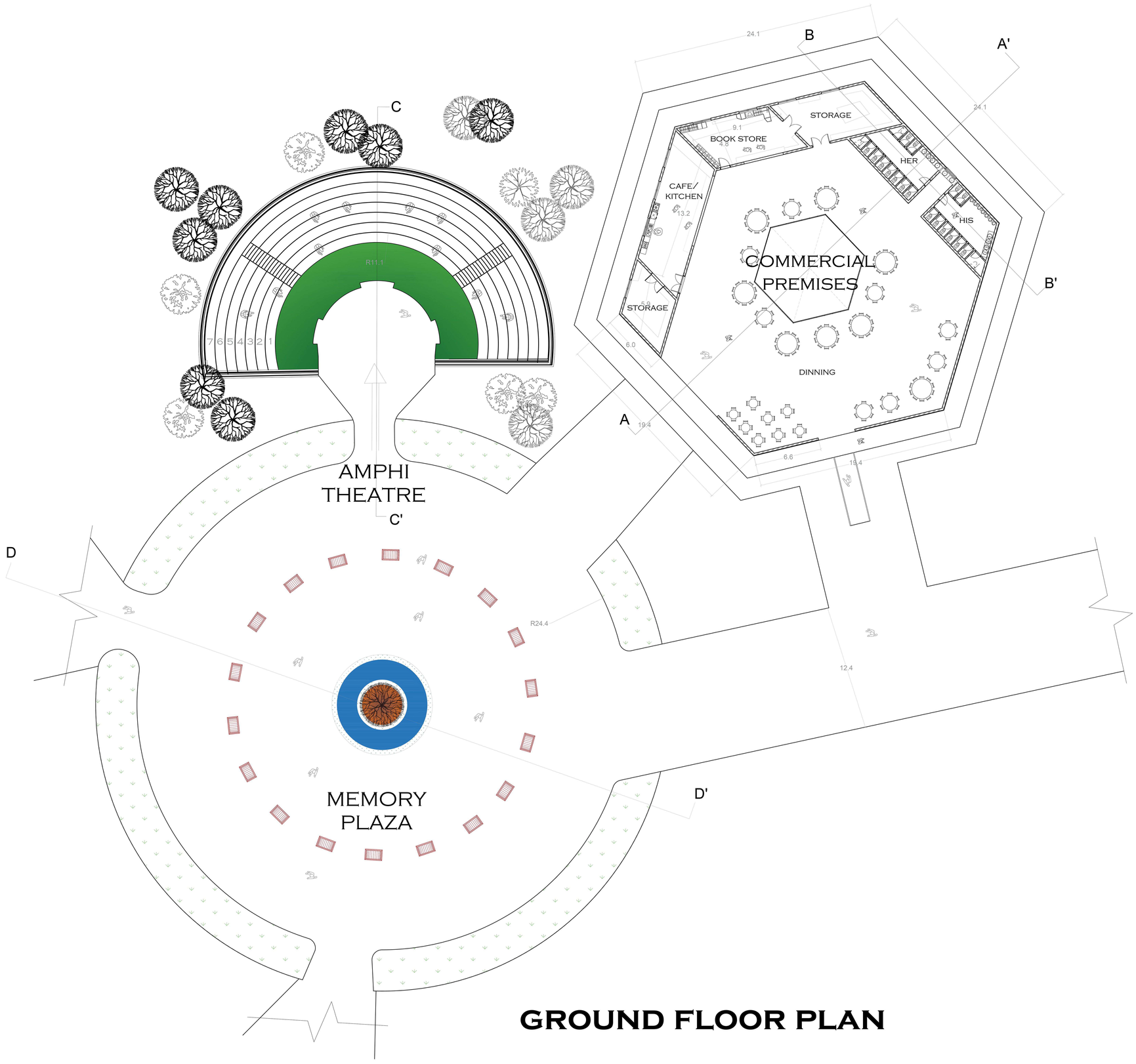
CLASS ROOM

RENDER VIEW

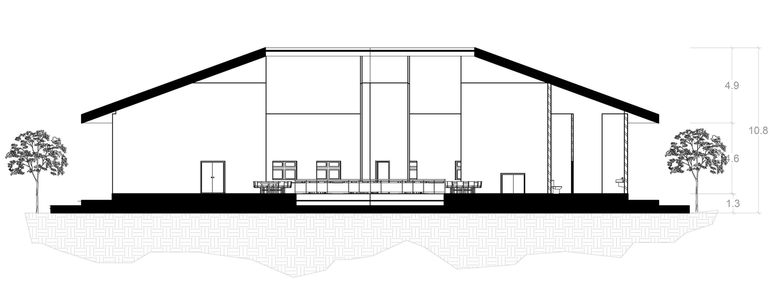
CLASSROOM COMPLEX

NAME : KISHORE.V	
RRN NO : 230101601015	
B.ARCH - 3RD YEAR _ A - SECTION	
ARCHITECTURAL DESIGN STUDIO - VI	
CRESCENT SCHOOL OF ARCHITECTURE	

ARSENAL MEMORY PARK



GROUND FLOOR PLAN



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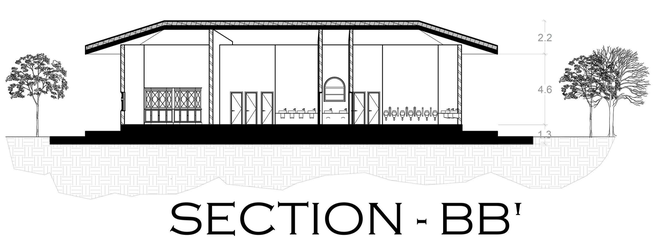

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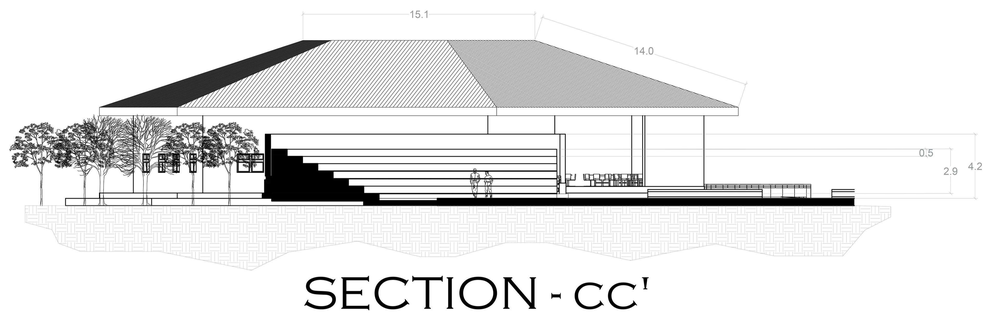

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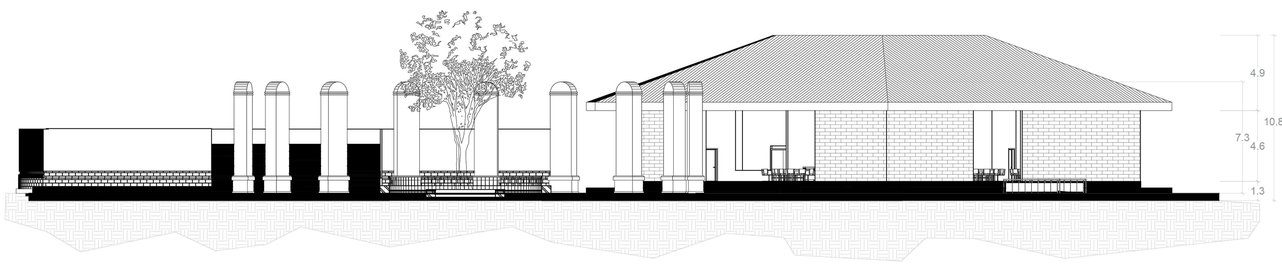

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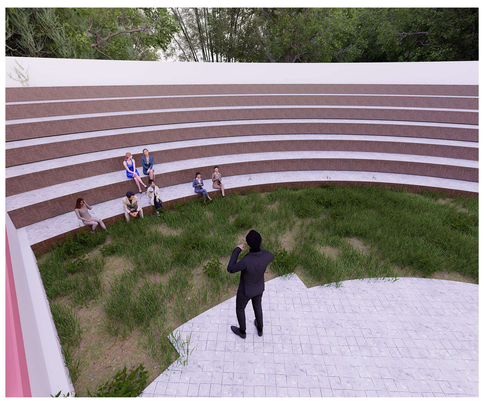


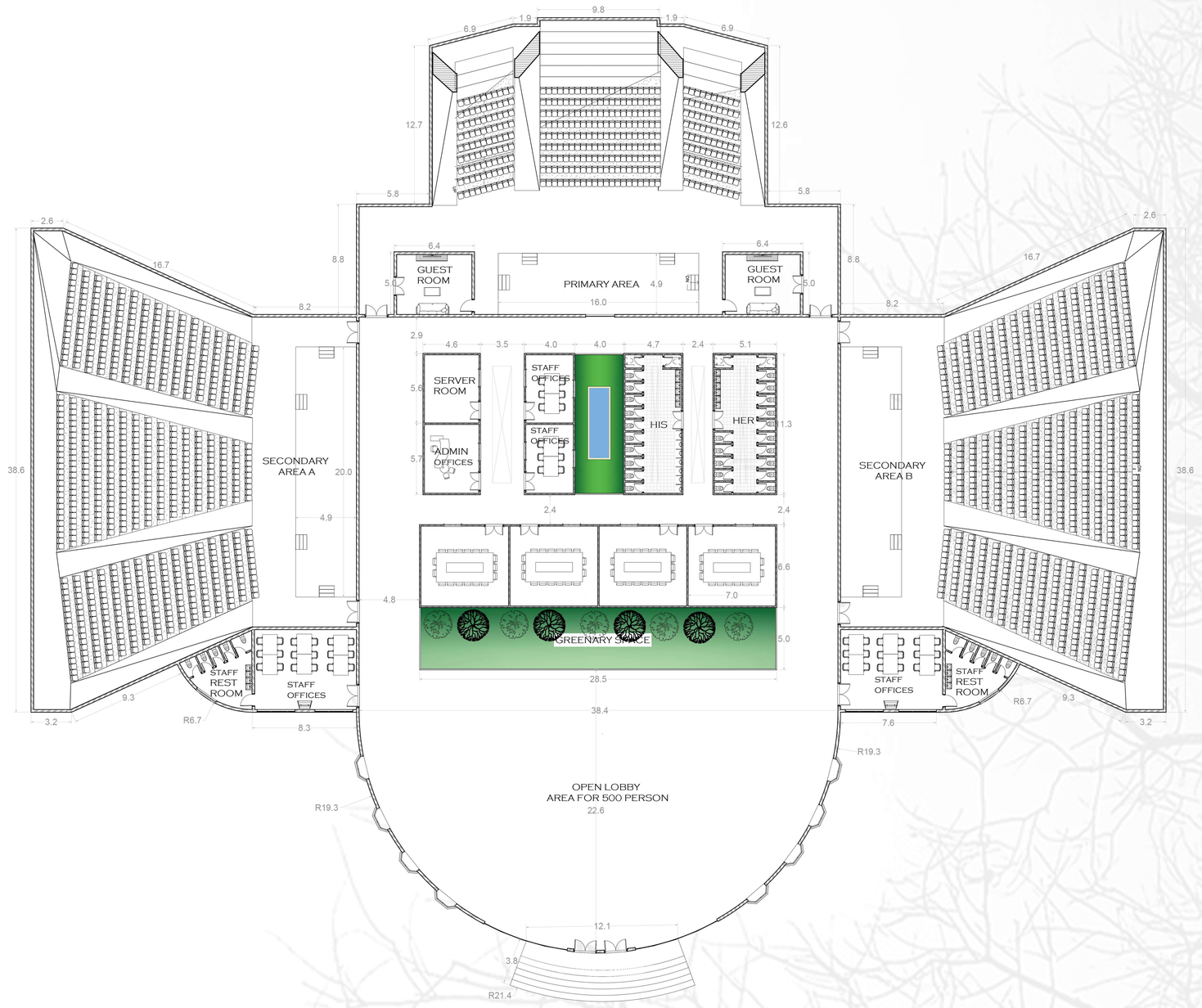
RENDER VIEWS

COMMERCIAL PREMISES

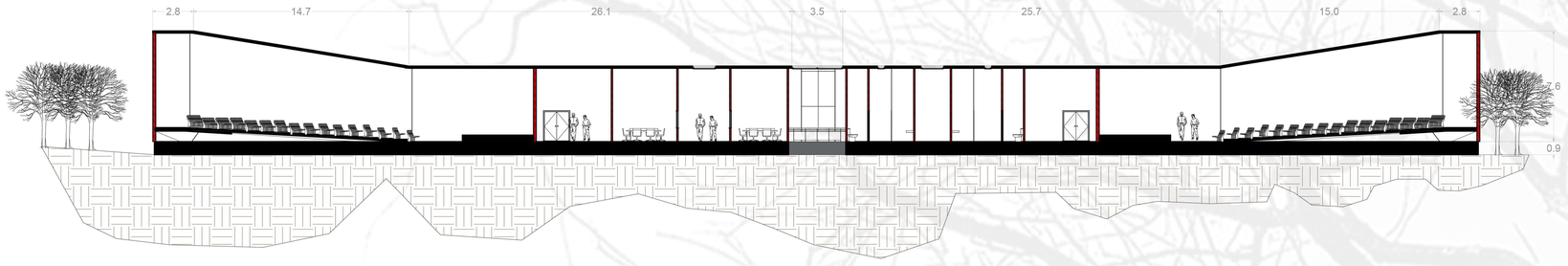
CRESCENT SCHOOL OF ARCHITECTURE	NAME : KISHORE.V
	RRN NO : 230101601015
	B.ARCH - 3RD YEAR _ A - SECTION
	ARCHITECTURAL DESIGN STUDIO - VI
	CRESCENT SCHOOL OF ARCHITECTURE

MEMORY PARK

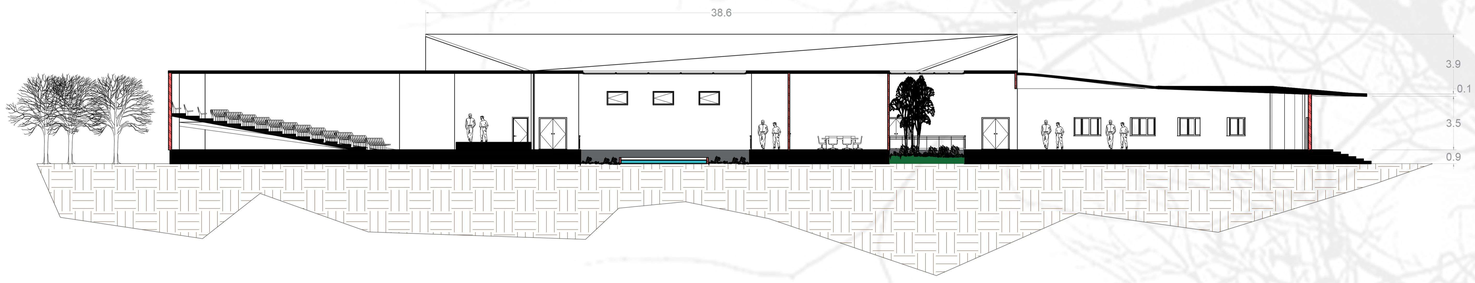
ARSENAL MUSEUM



GROUND FLOOR PLAN



SECTION - AA'



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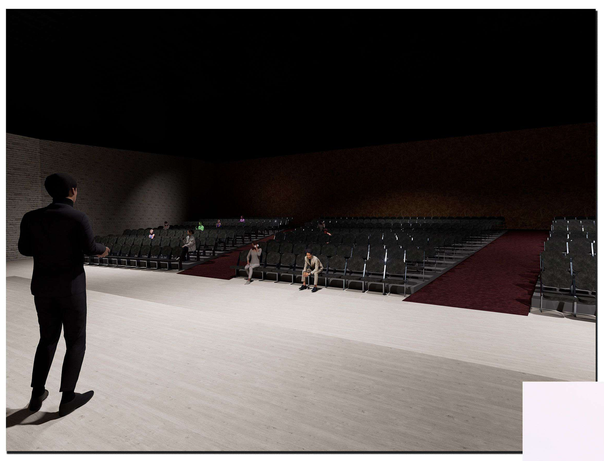
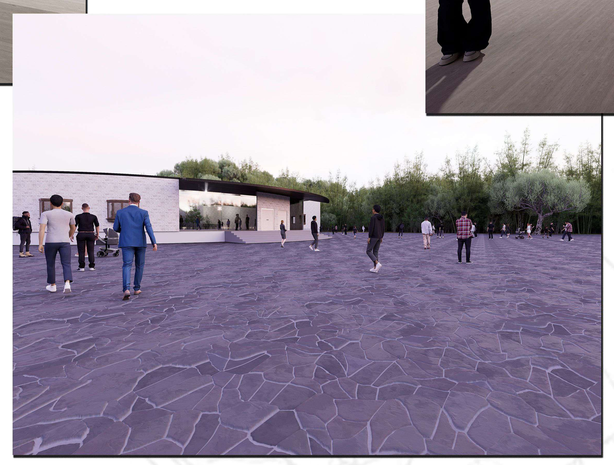
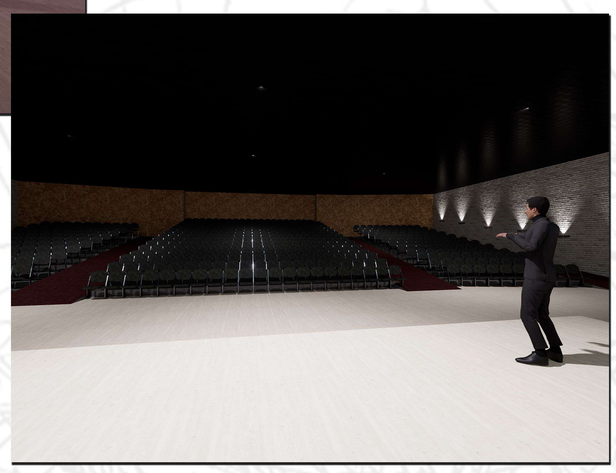






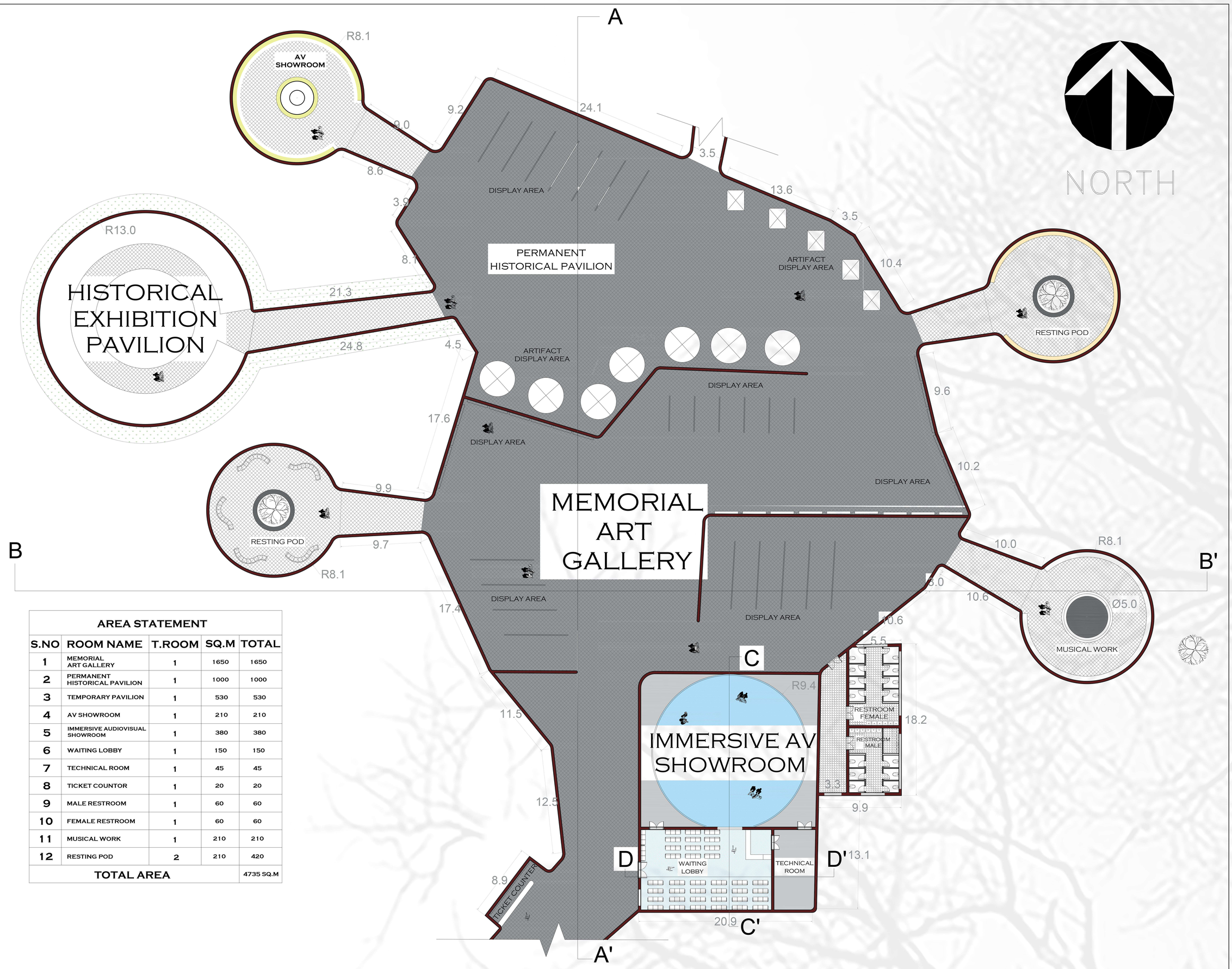
RENDER VIEWS

CONFERENCE HALL

NAME : KISHORE.V	
RRN NO : 230101601015	
B.ARCH - 3RD YEAR _ A - SECTION	
ARCHITECTURAL DESIGN STUDIO - VI	
CRESCENT SCHOOL OF ARCHITECTURE	

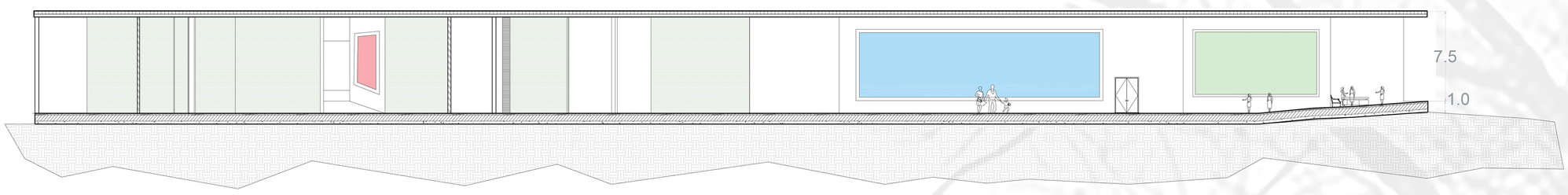
MEMORY PARK

ARSENAL MUSEUM

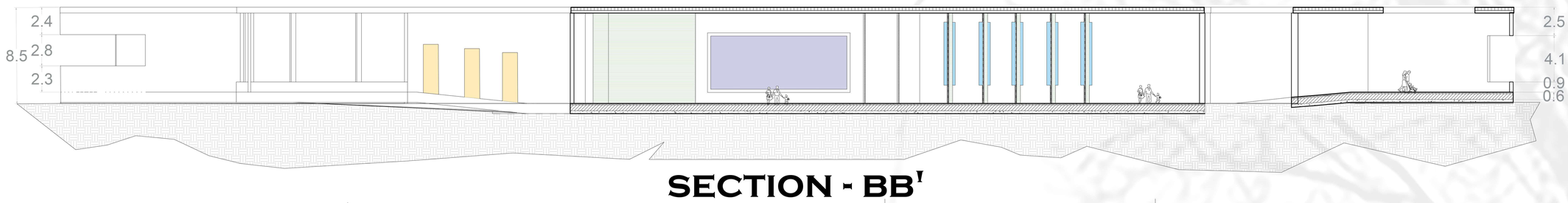


AREA STATEMENT				
S.NO	ROOM NAME	T.ROOM	SQ.M	TOTAL
1	MEMORIAL ART GALLERY	1	1650	1650
2	PERMANENT HISTORICAL PAVILION	1	1000	1000
3	TEMPORARY PAVILION	1	530	530
4	AV SHOWROOM	1	210	210
5	IMMERSIVE AUDIOVISUAL SHOWROOM	1	380	380
6	WAITING LOBBY	1	150	150
7	TECHNICAL ROOM	1	45	45
8	TICKET COUNTOR	1	20	20
9	MALE RESTROOM	1	60	60
10	FEMALE RESTROOM	1	60	60
11	MUSICAL WORK	1	210	210
12	RESTING POD	2	210	420
TOTAL AREA				4735 SQ.M

MEMORIAL ART GALLERY AND AV SHOWROOM FLOOR PLAN



SECTION - AA'



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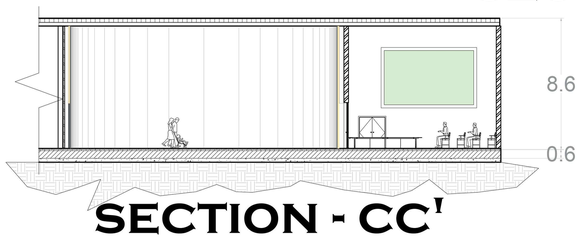

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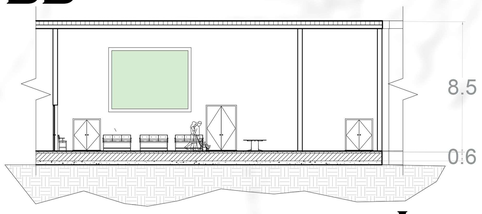


SECTION - DD'

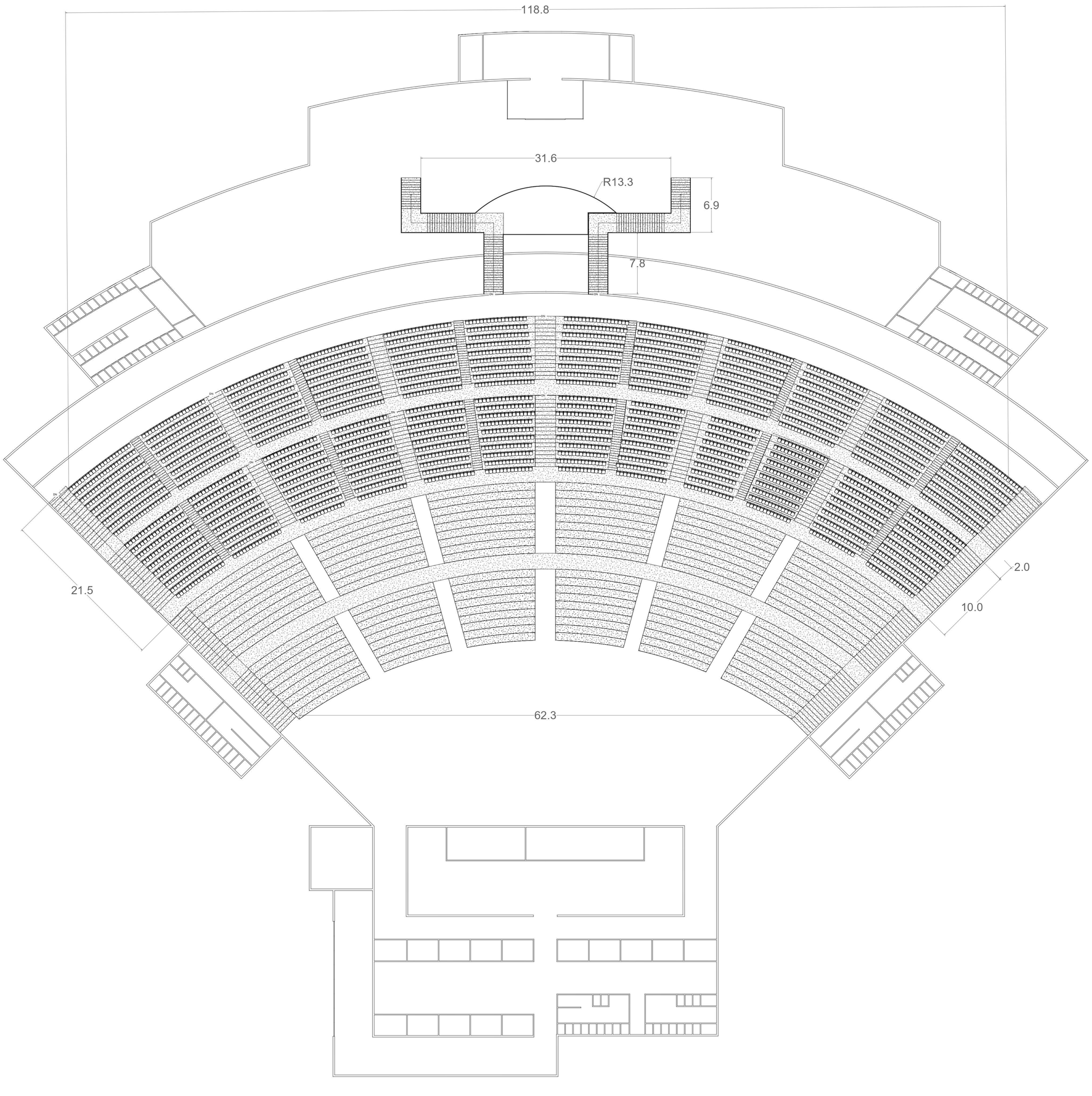
RENDER VIEWS

MEMORIAL ART GALLERY

CRESCENT SCHOOL OF ARCHITECTURE	NAME : KISHORE.V
	RRN NO : 230101601015
	B.ARCH - 3RD YEAR _ A - SECTION
	ARCHITECTURAL DESIGN STUDIO - VI
	CRESCENT SCHOOL OF ARCHITECTURE

CRESCENT SCHOOL OF ARCHITECTURE

ARSENAL MEMORY PARK - SITE PLAN



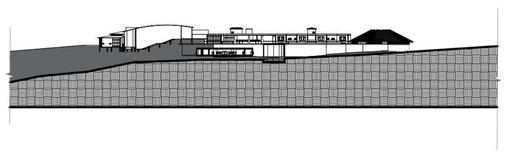
NORTH

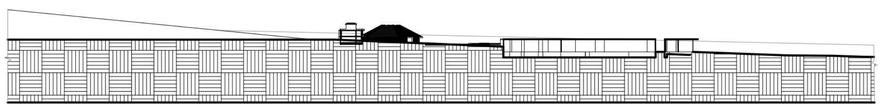
CONCERT HALL

KISHORE.V_230101601015_VI SEM

ARSENAL MEMORY PARK - SITE PLAN

CRESCENT SCHOOL OF ARCHITECTURE





NORTH

119.7 HECTARE
295.8 ACRE
1196768.7 SQ.M

ALL DIMENSIONS ARE IN METER

SCALE : 1:2000

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