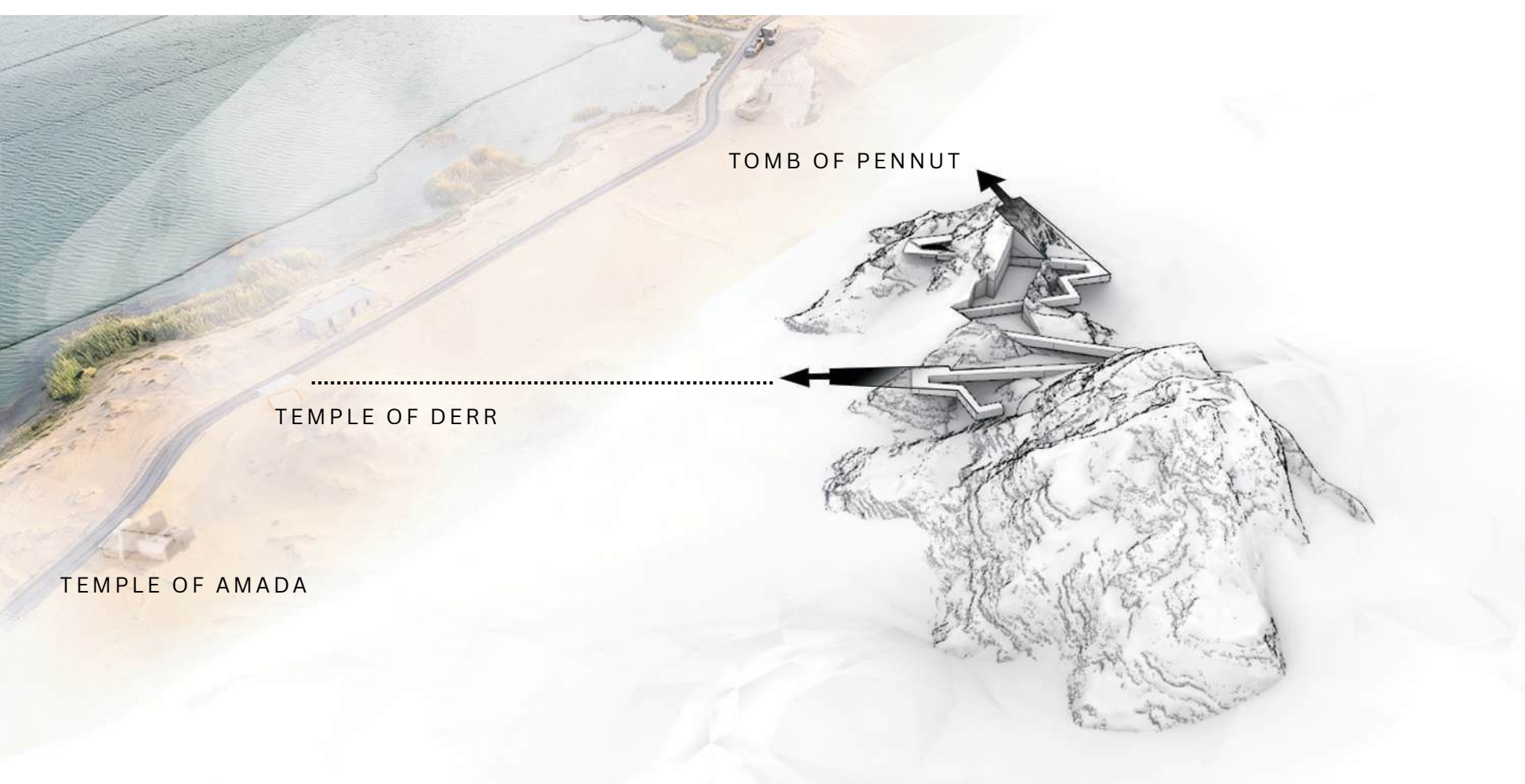
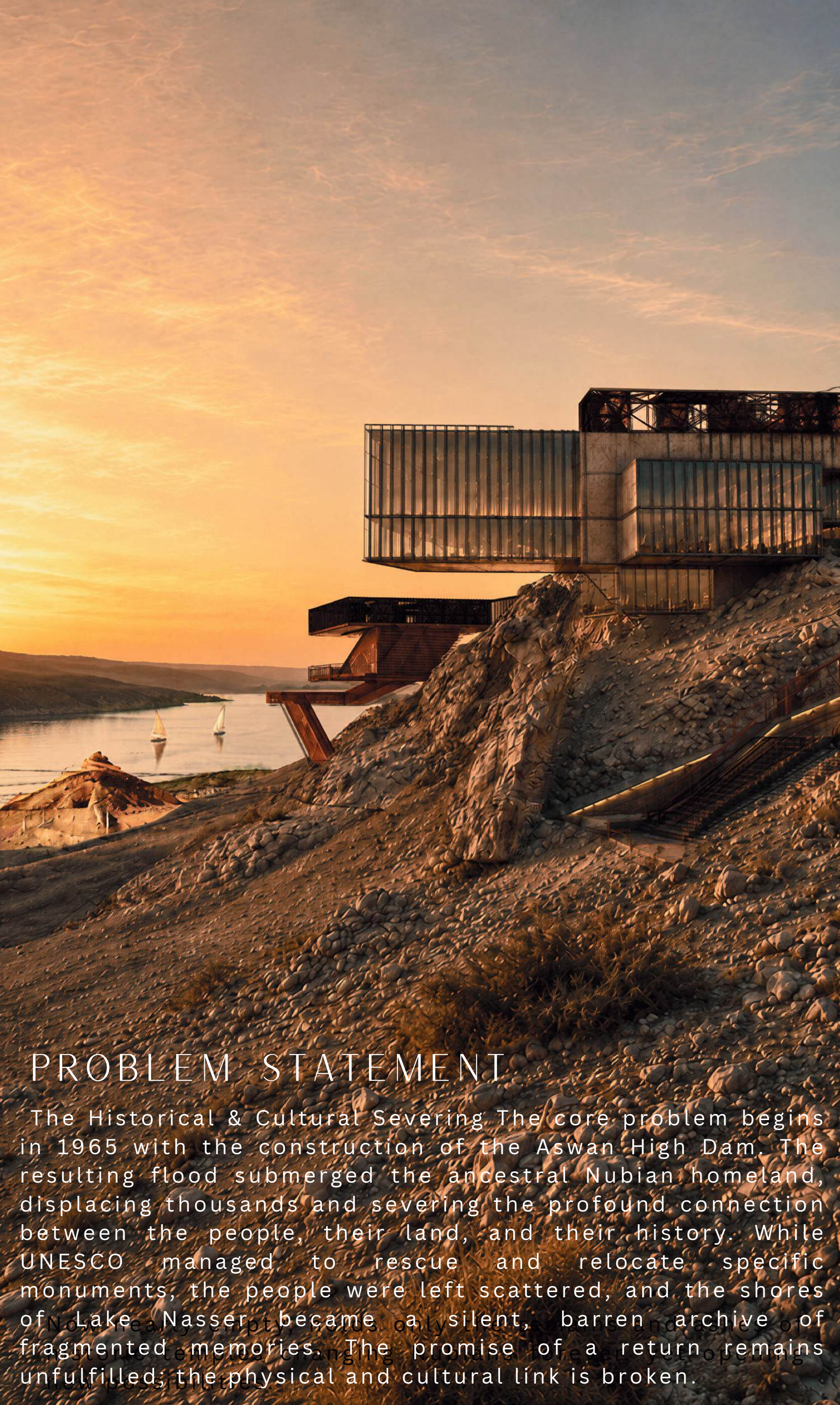


THE INHERITED LINK

ARCHITECTURAL BRIDGE BETWEEN HERITAGE AND COMMUNITY



PROBLEM STATEMENT
The Historical & Cultural Severing The core problem begins in 1965 with the construction of the Aswan High Dam. The resulting flood submerged the ancestral Nubian homeland, displacing thousands and severing the profound connection between the people, their land, and their history. While UNESCO managed to rescue and relocate specific monuments, the people were left scattered, and the shores of Lake Nasser became a silent, barren archive of fragmented memories. The promise of a return remains unfulfilled; the physical and cultural link is broken.

THE CORE CONCEPT
The Architectural Bridge: To solve this problem of cultural absence and environmental extremity, the proposed Nubian Renaissance Cultural Hub acts as an "architectural bridge." It is designed not as a traditional building that sits on the landscape, but as a living intervention integrated into the landscape reconnecting the displaced community with their heritage while actively mastering the harsh climate.



CREATING A LINES OUT THE GRID MADE

The Connective Spine (The UNESCO Metaphor)

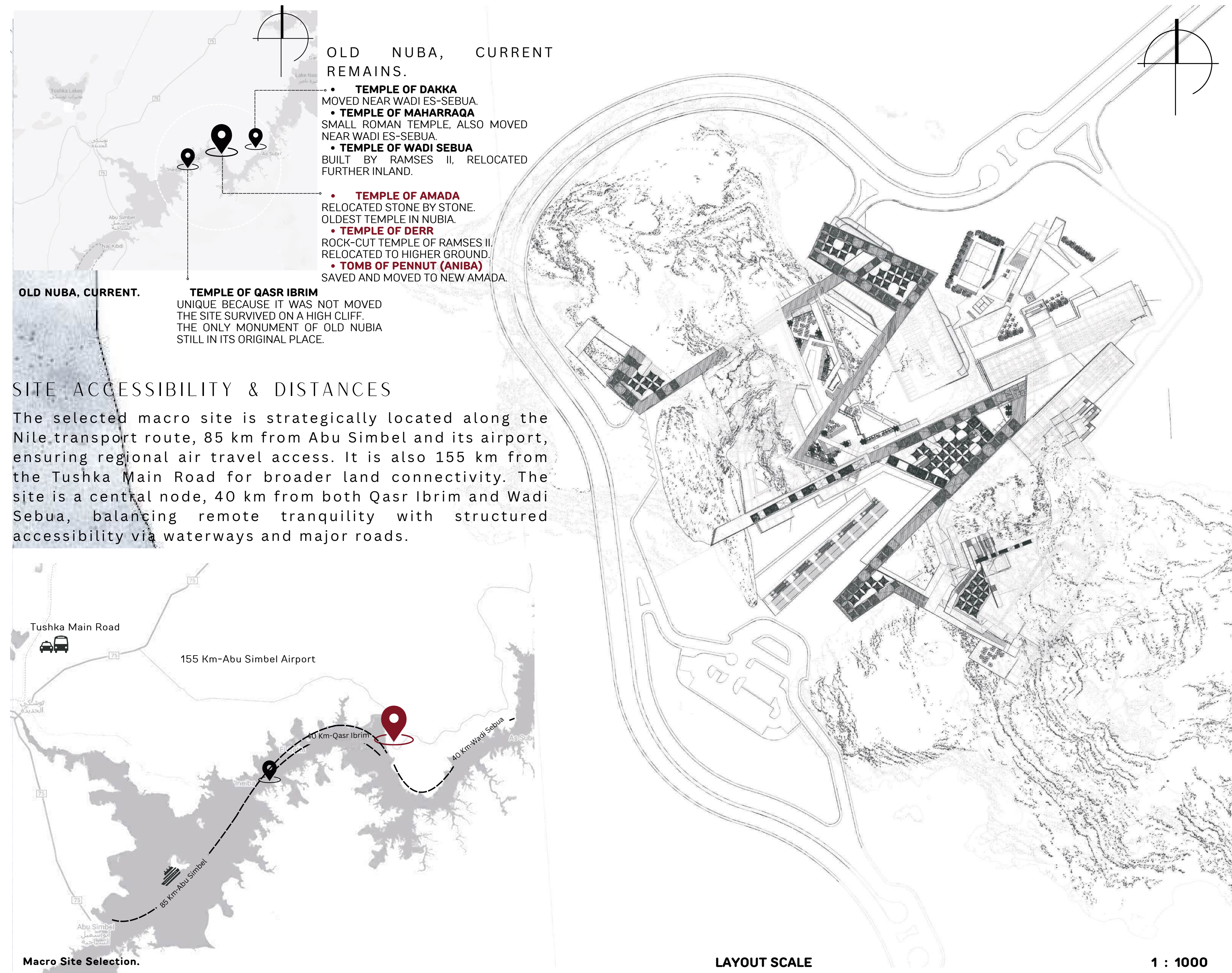
- During the historic rescue campaign, ancient temples were literally fragmented and moved block by block to higher ground. The architecture philosophical mirrors this. The excavated voids represent the fragmented pieces of Nubian history.
- The Execution: Suspended across these carved voids is the primary circulation bridge. It acts as the great unifier, physically stitching the fragmented architectural masses back together. As visitors traverse this bridge, they engage with strategically placed observatories. These viewpoints look out directly at the existing rescued monuments on the site, creating a continuous, dynamic dialogue between the fragmented past and the unified future.

THE STORY

SITE ANALYSIS

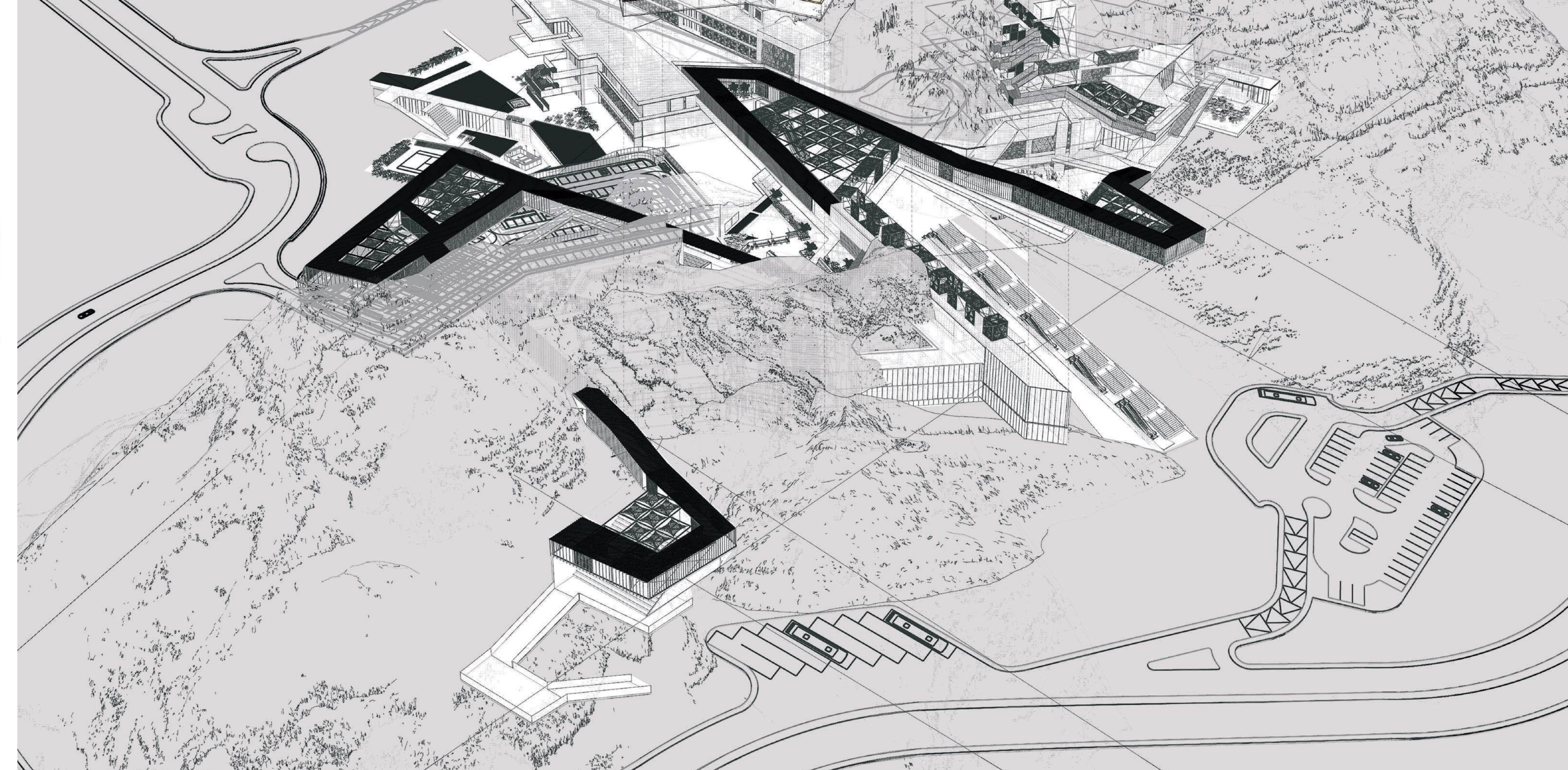
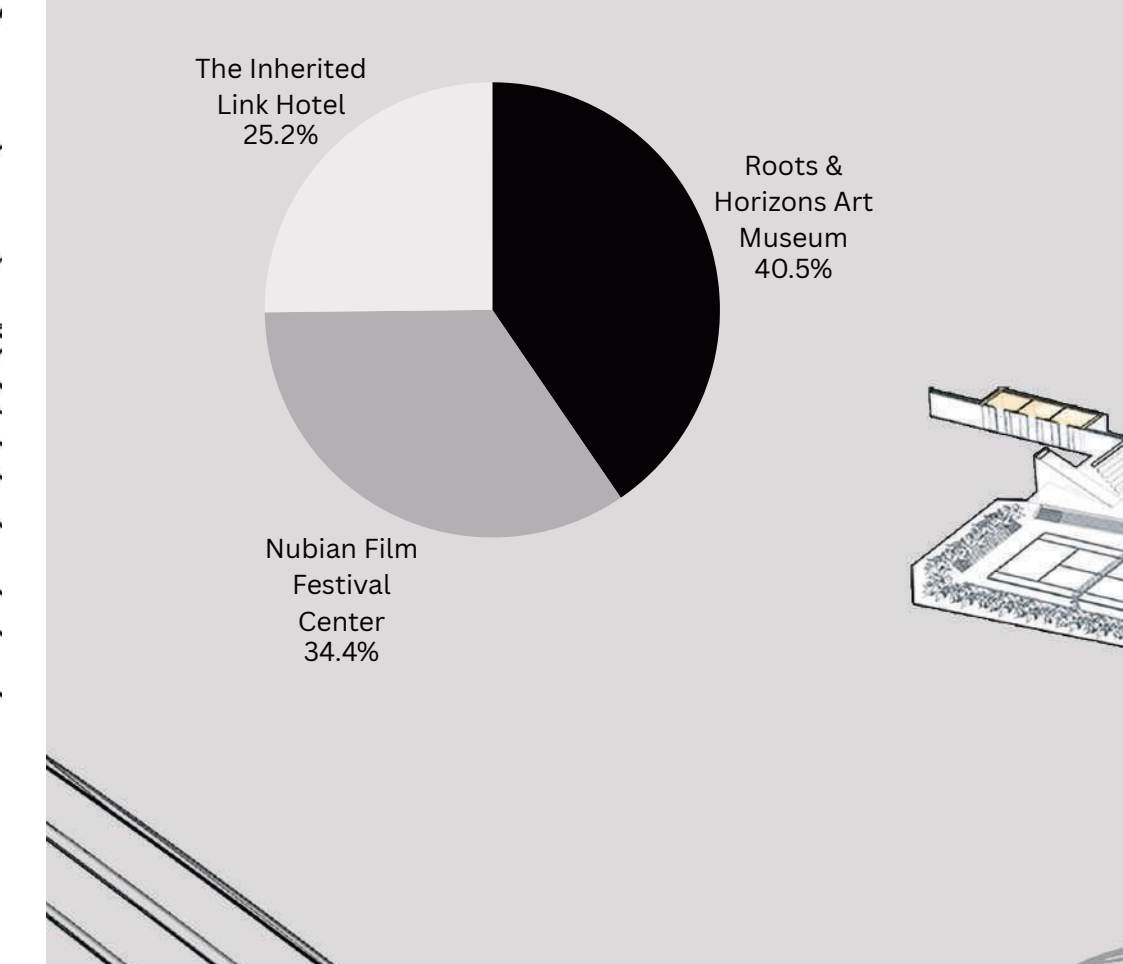
The site sits at the center of the Nubian monuments, linking them into one cultural story network. Transforming scattered temples into a unified story and marks the start of a new revival era for Old Nubia.

The project aims to revive Old Nubia as a cultural and touristic destination, placing the remains of historic temples at the center as the star of the show.

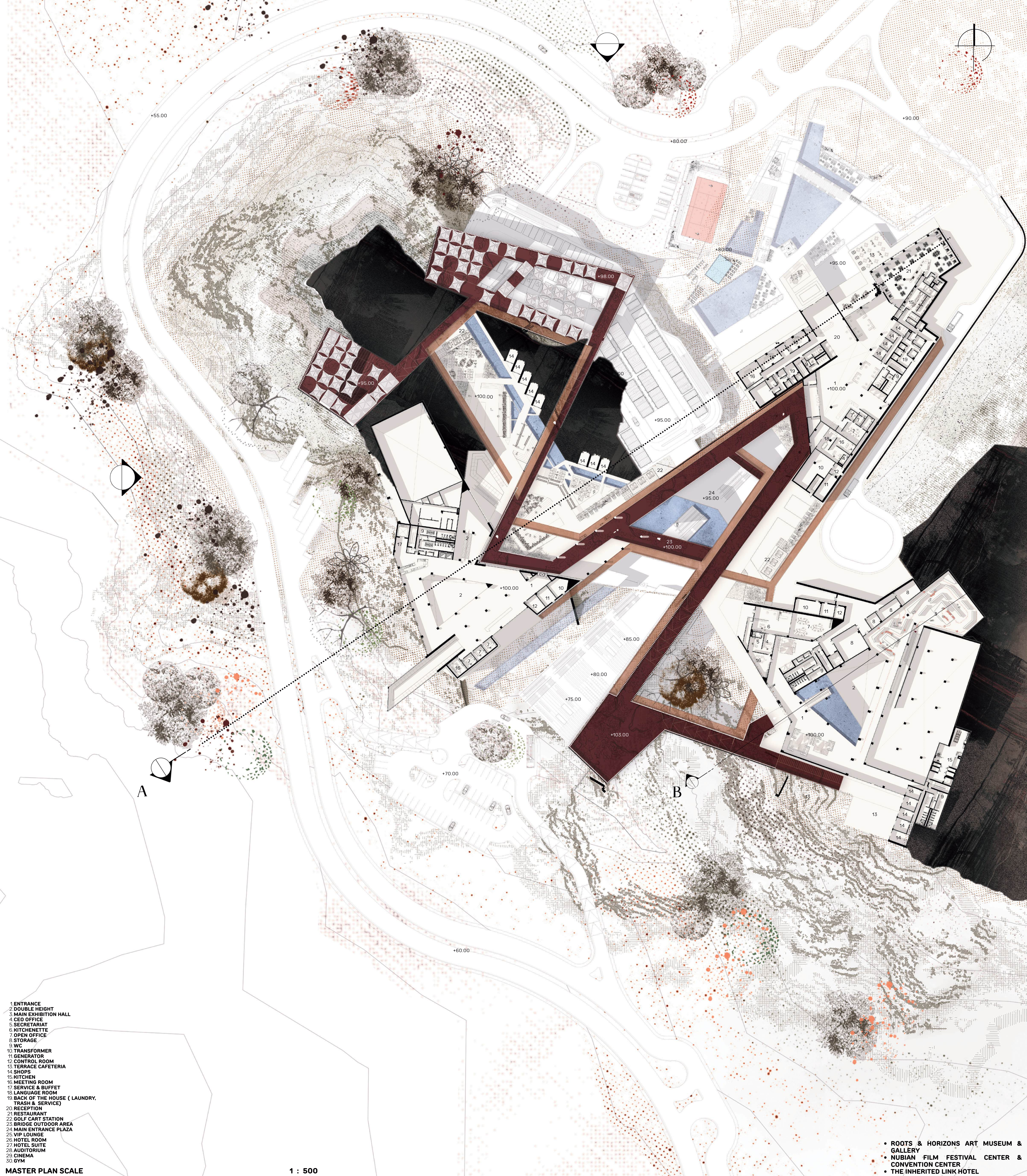


3D ZONING EXPLODED PLANS DIAGRAM

- MAIN SPACES**
 - PERMANENT EXHIBITIONS
 - TEMPORARY EXHIBITIONS
 - GALA HALL
 - AUDITORIUM
 - CINEMA A
 - CINEMA B
- DOUBLE HEIGHTS
- VIP**
- VIP GUESTS LOUNGES
- SERVICES AND B.O.H.**
 - STORAGES
 - W.C.
 - MEP ROOMS
 - KITCHENS
 - HOTEL BACK OF THE HOUSE
 - AUDITORIUM BACK OF THE HOUSE
 - CINEMAS BACK OF THE HOUSE
- SERVICES AND OFFERINGS**
 - MAIN RESTAURANTS
 - CAFETERIA
 - SHOPS
 - POPCORN AND SNACKS
- ADMIN**
 - ADMINISTRATION
 - MEETING ROOMS
- HOTEL ROOMS**
 - 50 STANDARD ROOMS
 - 30 TWIN/DOUBLE ROOMS
 - 8 JUNIOR SUITES
 - 8 EXECUTIVE SUITES
 - 4 ACCESSIBLE ROOMS

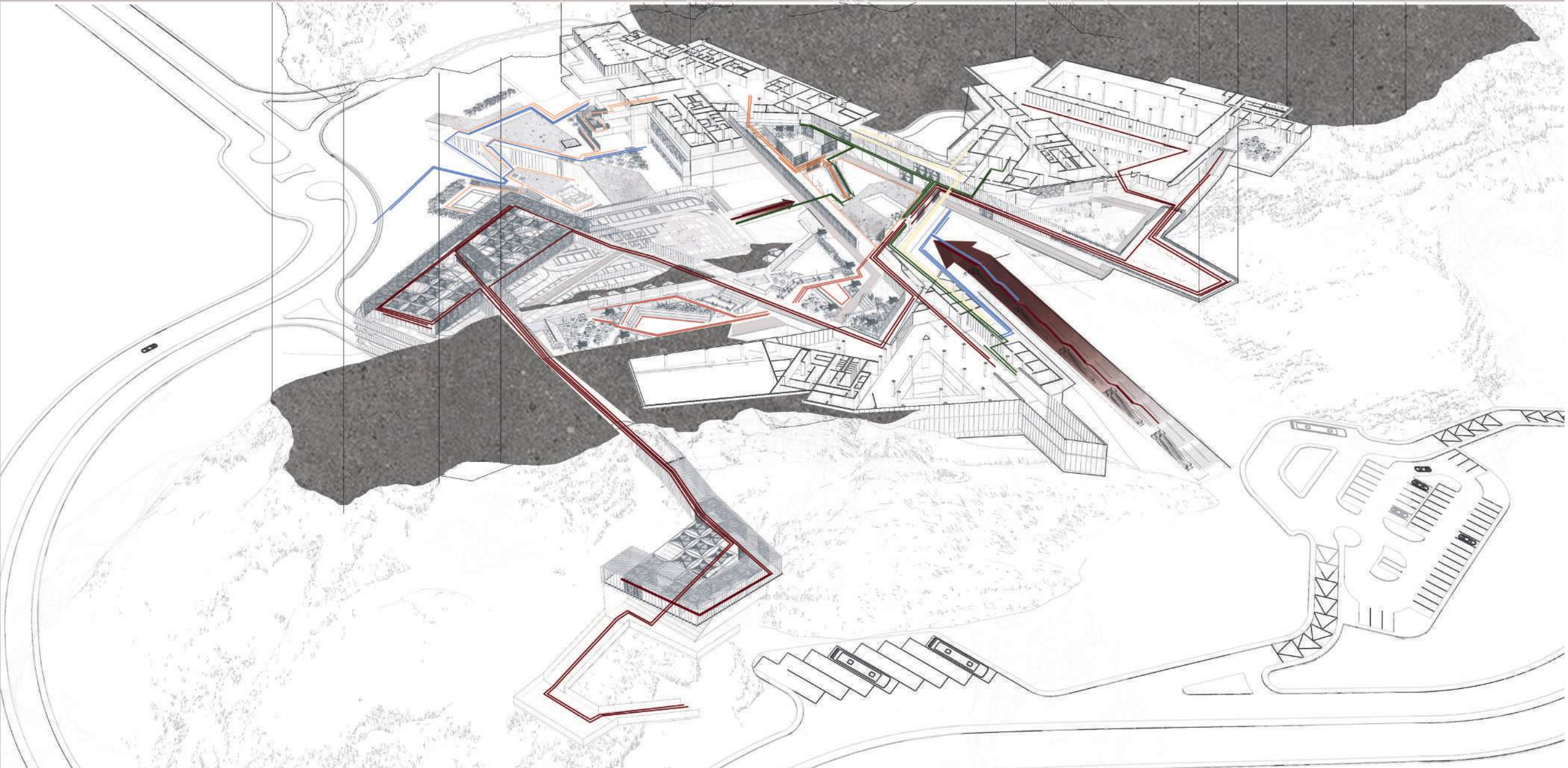
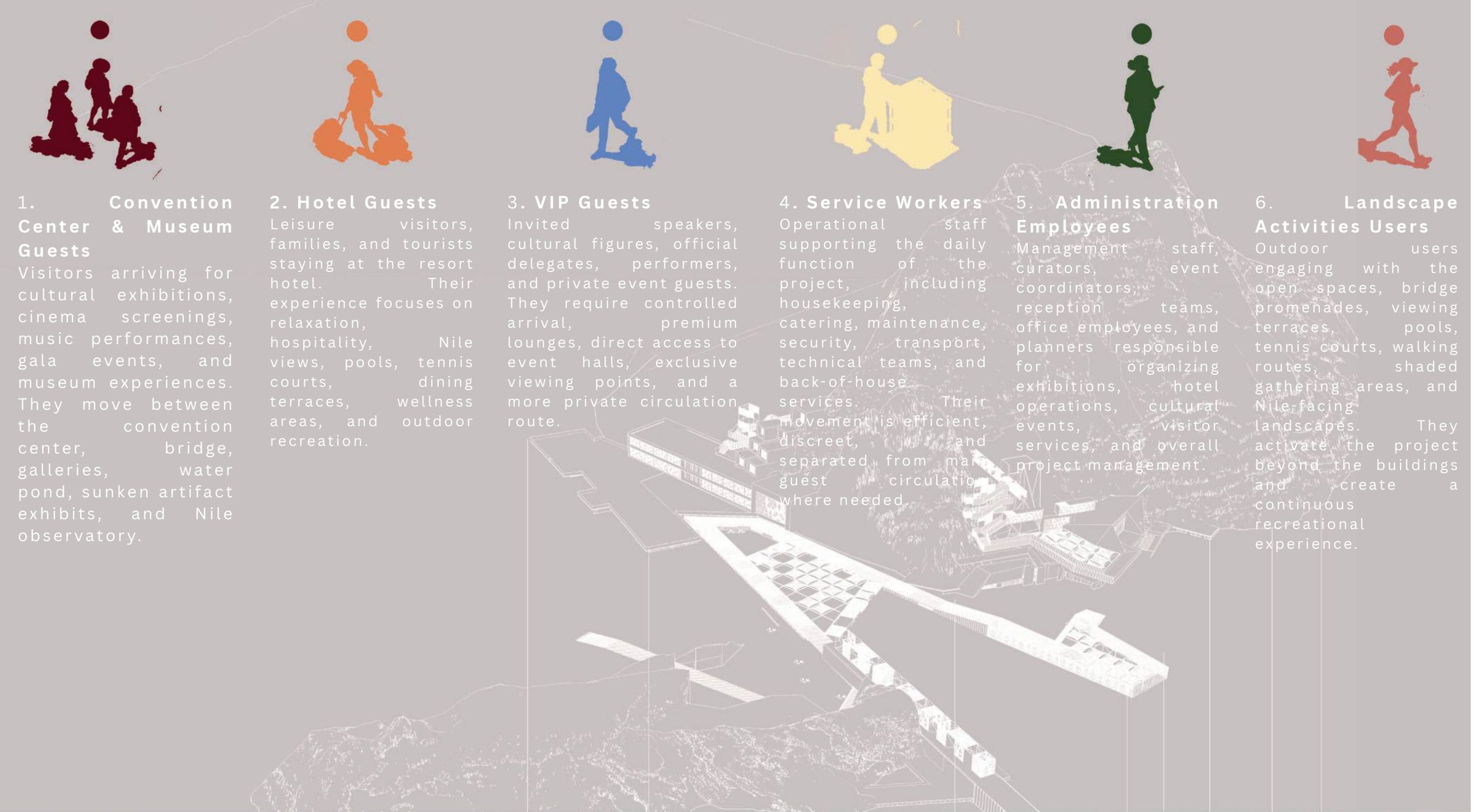


THE INHERITED LINK · THE MASTERPLAN

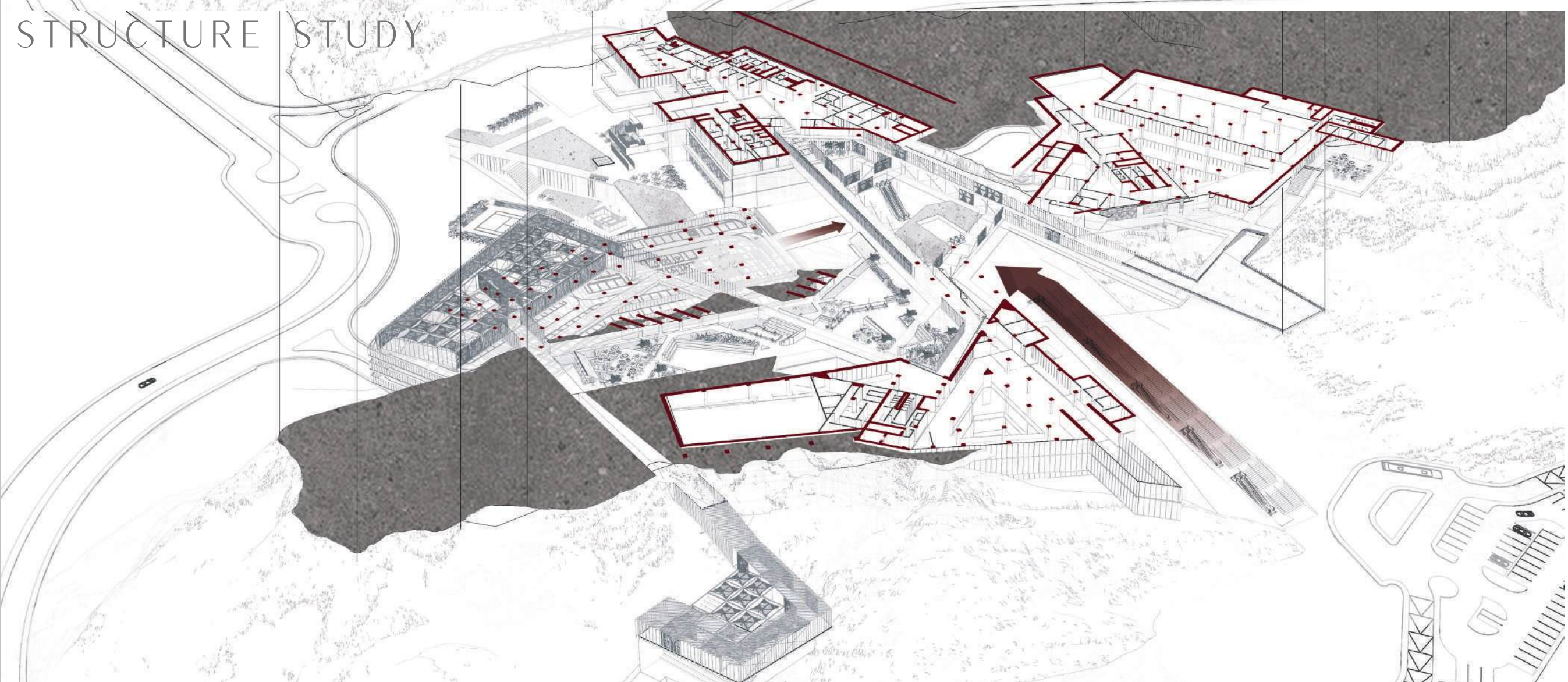


THE INHERITED LINK CHALLENGES

PROGRAMMATIC CONCEPTS CIRCULATION & USER DIAGRAM

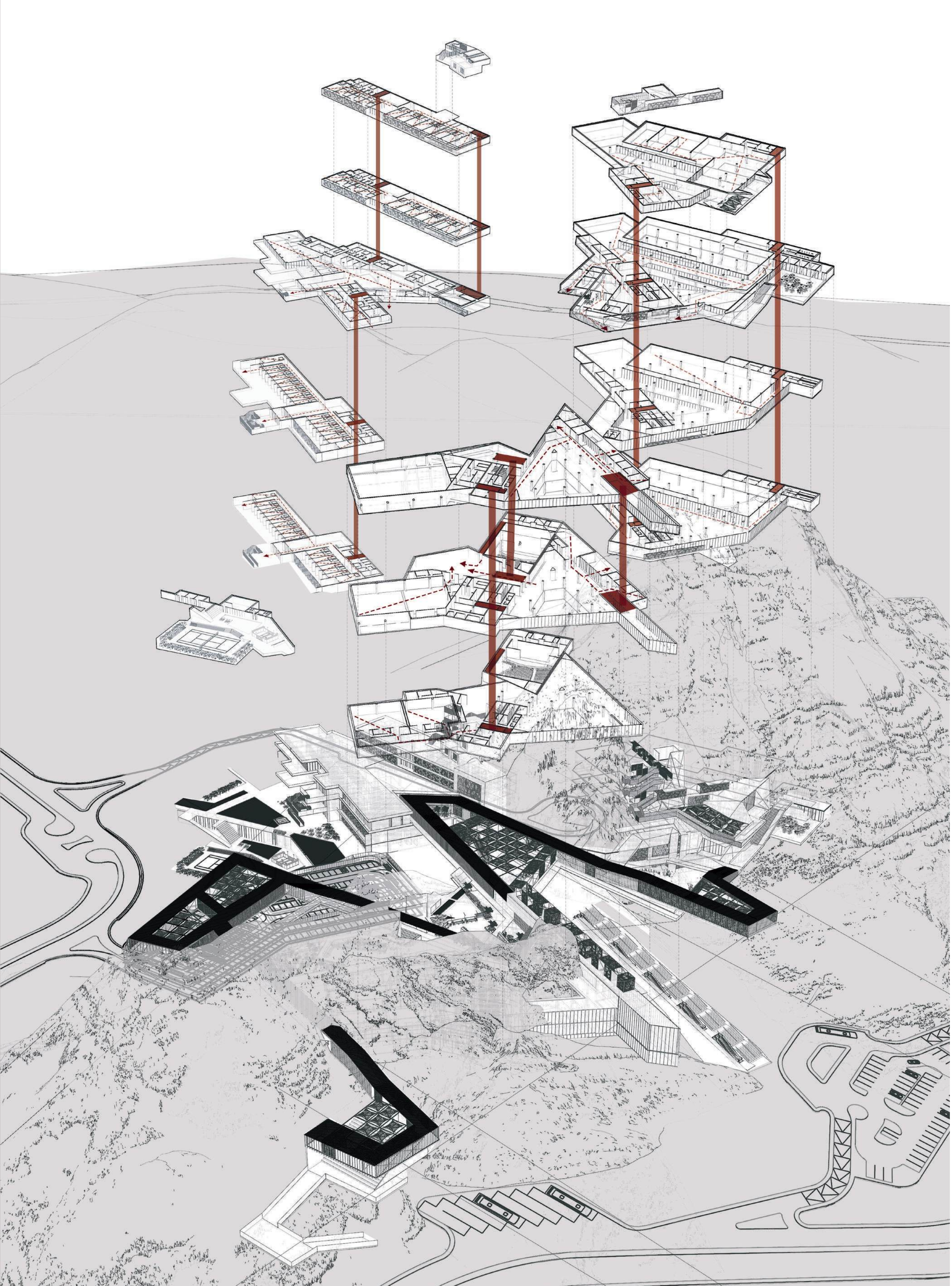


STRUCTURE STUDY



The structural system is based on **flat slabs and columns** for flexible planning, with structural **frames** used in exhibition areas to allow wider spans and open gallery spaces. Since the project is carved into the mountain, **retaining walls** are used to support the rocky terrain and stabilize the cut sections.

F.L.S. STUDY



The fire life safety study confirms that all evacuation routes were reviewed to ensure safe and efficient escape from the building. Since the project is provided with a sprinkler system, the maximum allowable travel distance is 45 meters, and all **measured travel distances remain within this limit**. The exit locations, protected stairs, and escape routes are distributed to support clear evacuation movement and allow users to reach a safe exit without exceeding the required distance.

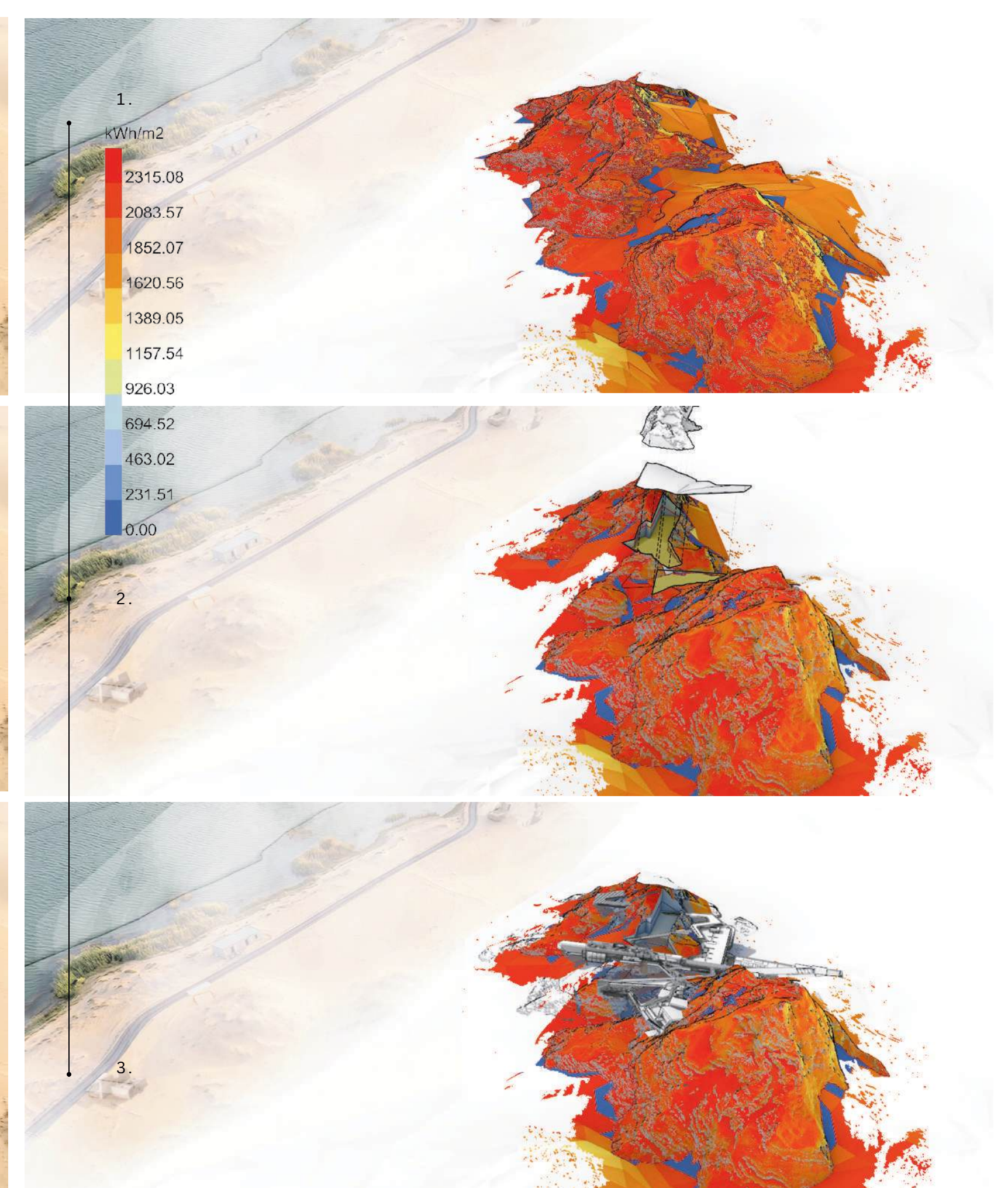
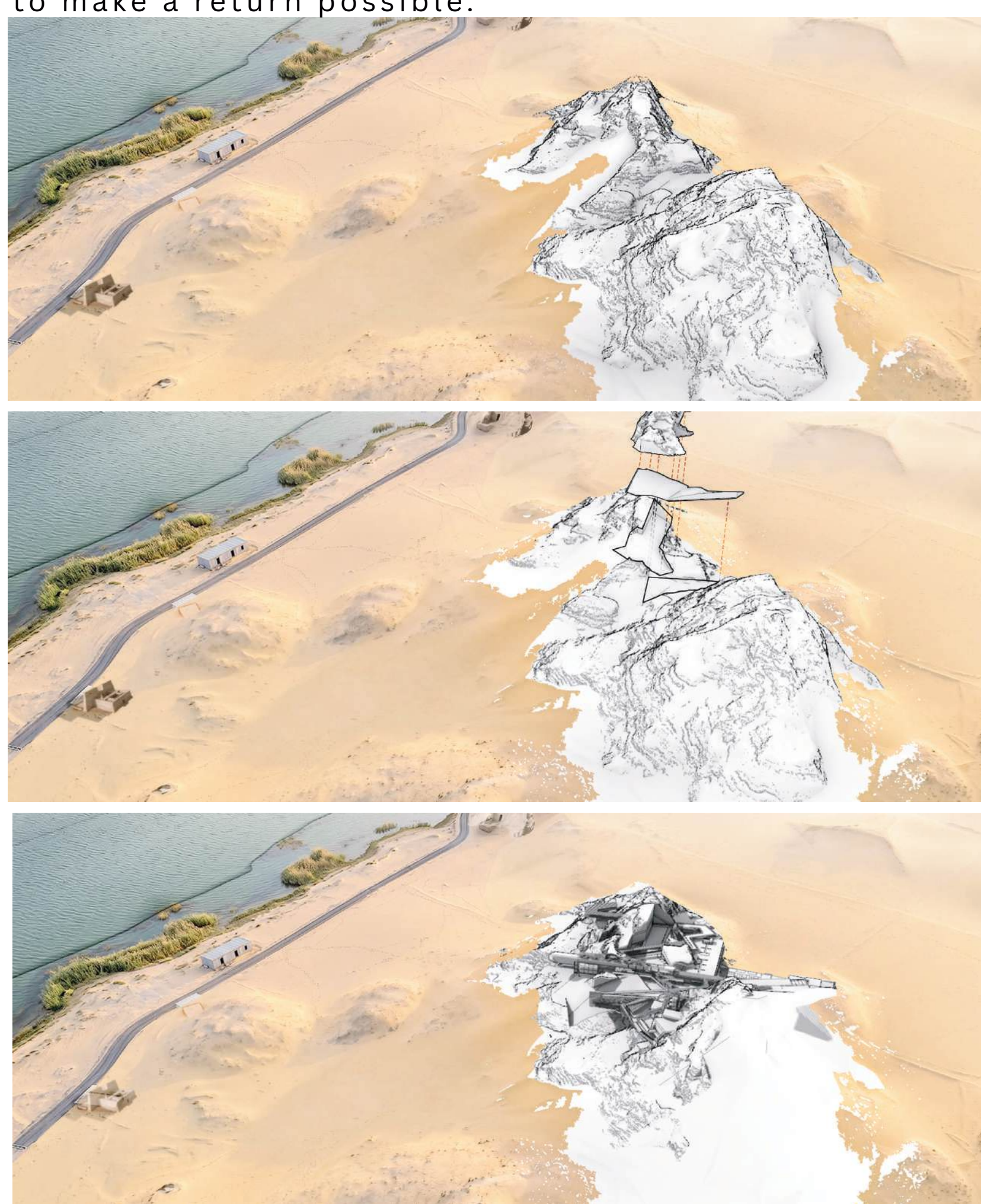


HARSH, ARID DESERT CLIMATE AND INTENSE SOLAR RADIATION

The Environmental Disconnect Compounding this cultural tragedy is a severe environmental challenge. Traditional Nubian architecture relied on a symbiotic relationship with the local climate utilizing courtyards and passive cooling to survive the extreme heat. In losing their homeland, the community lost this architectural ecosystem. Today, the relocated sites in Aswan sit exposed to an incredibly harsh, arid desert climate and intense solar radiation, making the land inhospitable and demanding a radical climate-responsive intervention to make a return possible.

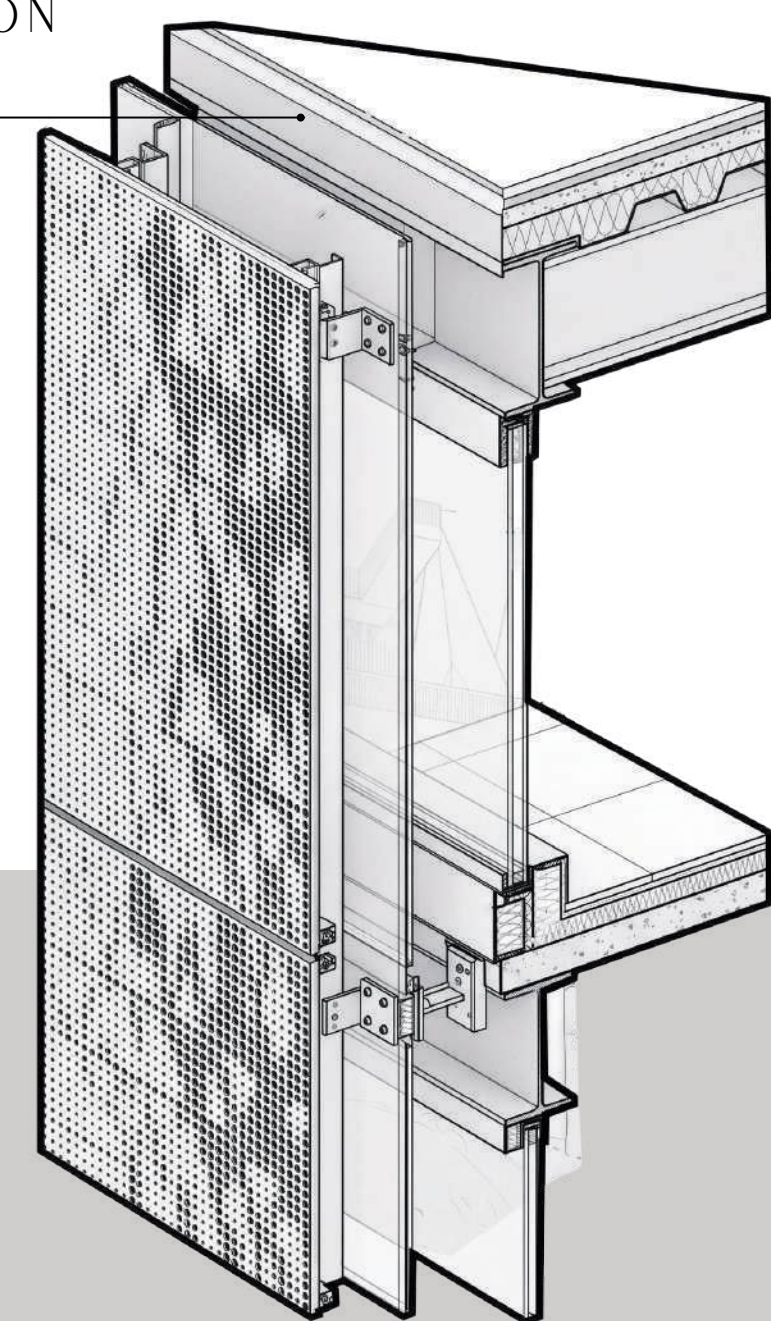
01. THE SUBTRACTIVE STRATEGY

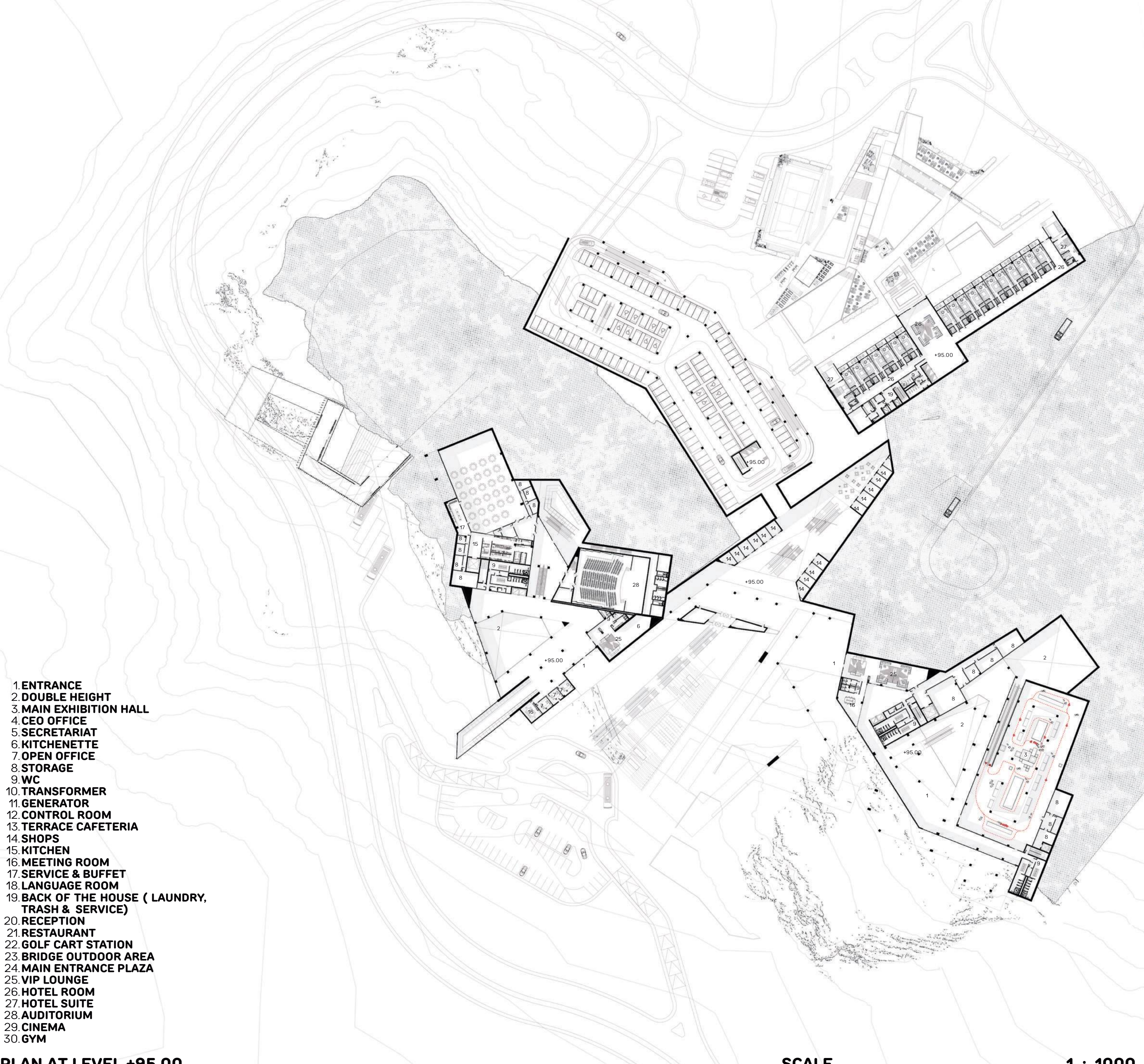
The Use of the Mountain : To solve the climate challenge and symbolize rebirth, the architecture employs a bold "subtractive strategy" by excavating directly into the dense mountain topography. Instead of building a traditional mass that fights the harsh weather, carving into the rock creates a protected, introverted void. This deep courtyard becomes a lush microclimate sheltered from the arid exterior, utilizing the raw mountain walls as a natural thermal barrier and creating a serene sanctuary.



02. THE DOUBLE SKIN

To further manage the extreme solar radiation at the upper levels and exposed edges, the design integrates a strategic "double-faced skin" with deep horizontal overhangs. They act as a critical thermal buffer that filters the harsh sunlight, reducing heat gain while still allowing natural ventilation to flow into the excavated spaces below.





- 1 ENTRANCE
- 2 DOUBLE HEIGHT
- 3 MAIN EXHIBITION HALL
- 4 CEO OFFICE
- 5 SECRETARIAT
- 6 KITCHENETTE
- 7 OPEN OFFICE
- 8 STORAGE
- 9 WC
- 10 TRANSFORMER
- 11 GENERATOR
- 12 CONTROL ROOM
- 13 TERRACE CAFETERIA
- 14 SHOPS
- 15 KITCHEN
- 16 MEETING ROOM
- 17 SERVICE & BUFFET
- 18 LANGUAGE ROOM
- 19 BACK OF THE HOUSE (LAUNDRY, TRASH & SERVICE)
- 20 RECEPTION
- 21 RESTAURANT
- 22 GOLF CART STATION
- 23 BRIDGE OUTDOOR AREA
- 24 MAIN ENTRANCE PLAZA
- 25 VIP LOUNGE
- 26 HOTEL ROOM
- 27 HOTEL SUITE
- 28 AUDITORIUM
- 29 CINEMA
- 30 GYM

PLAN AT LEVEL +95.00

SCALE

1 : 1000

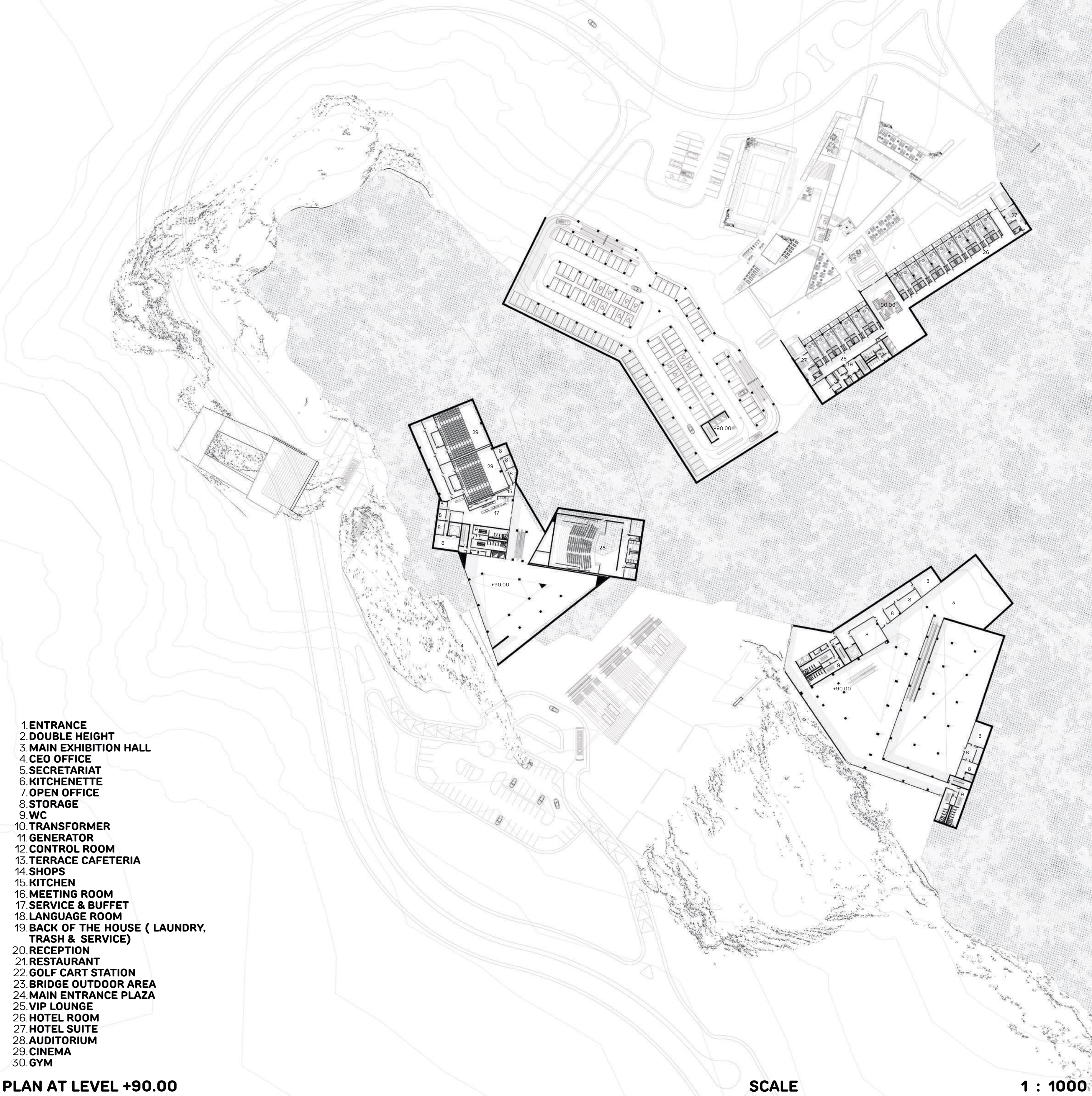


- 1 ENTRANCE
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- 29 CINEMA
- 30 GYM

PLAN AT LEVEL +105.00

SCALE

1 : 1000

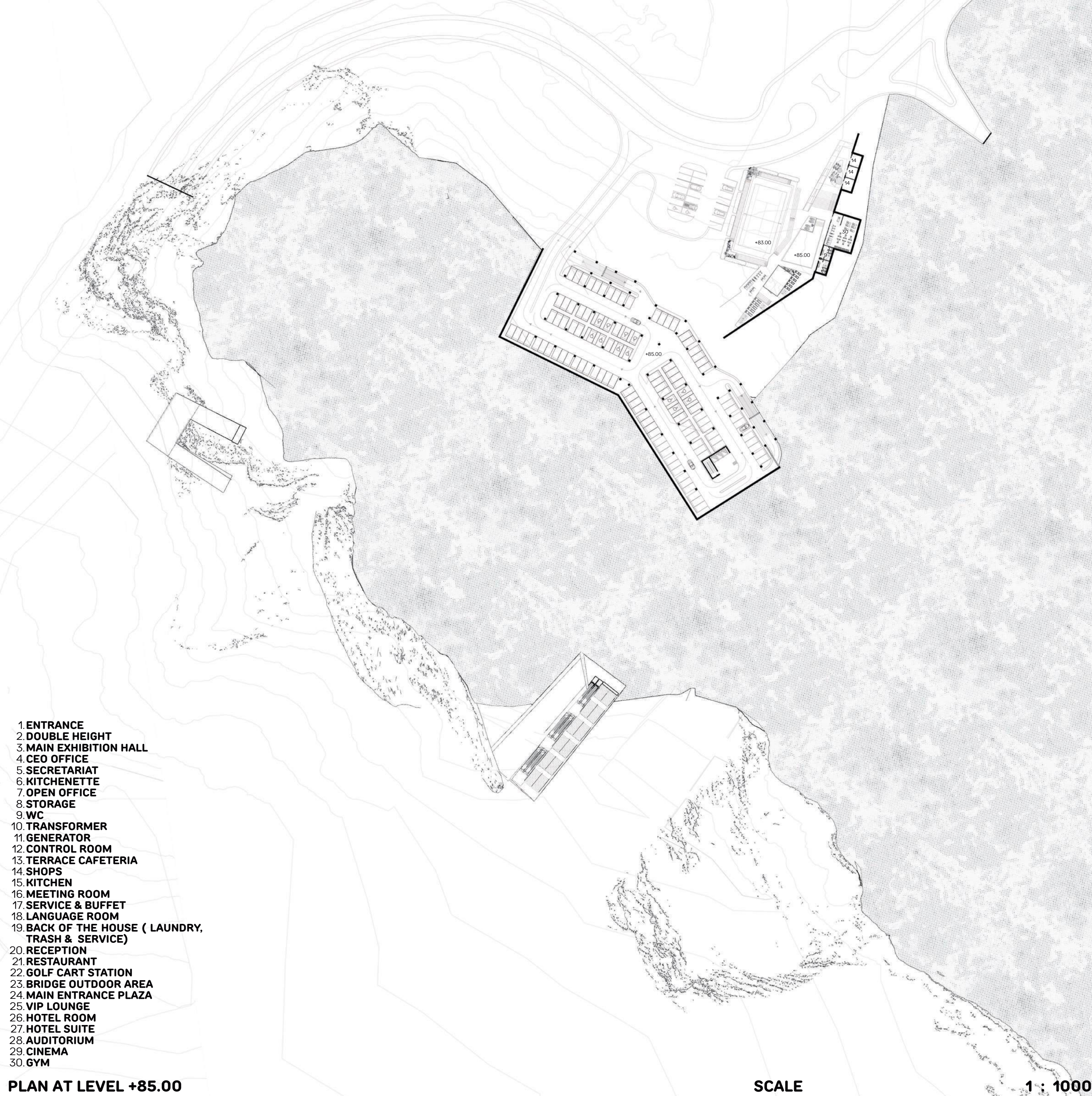


- 1 ENTRANCE
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- 4 CEO OFFICE
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- 26 HOTEL ROOM
- 27 HOTEL SUITE
- 28 AUDITORIUM
- 29 CINEMA
- 30 GYM

PLAN AT LEVEL +90.00

SCALE

1 : 1000



- 1 ENTRANCE
- 2 DOUBLE HEIGHT
- 3 MAIN EXHIBITION HALL
- 4 CEO OFFICE
- 5 SECRETARIAT
- 6 KITCHENETTE
- 7 OPEN OFFICE
- 8 STORAGE
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- 10 TRANSFORMER
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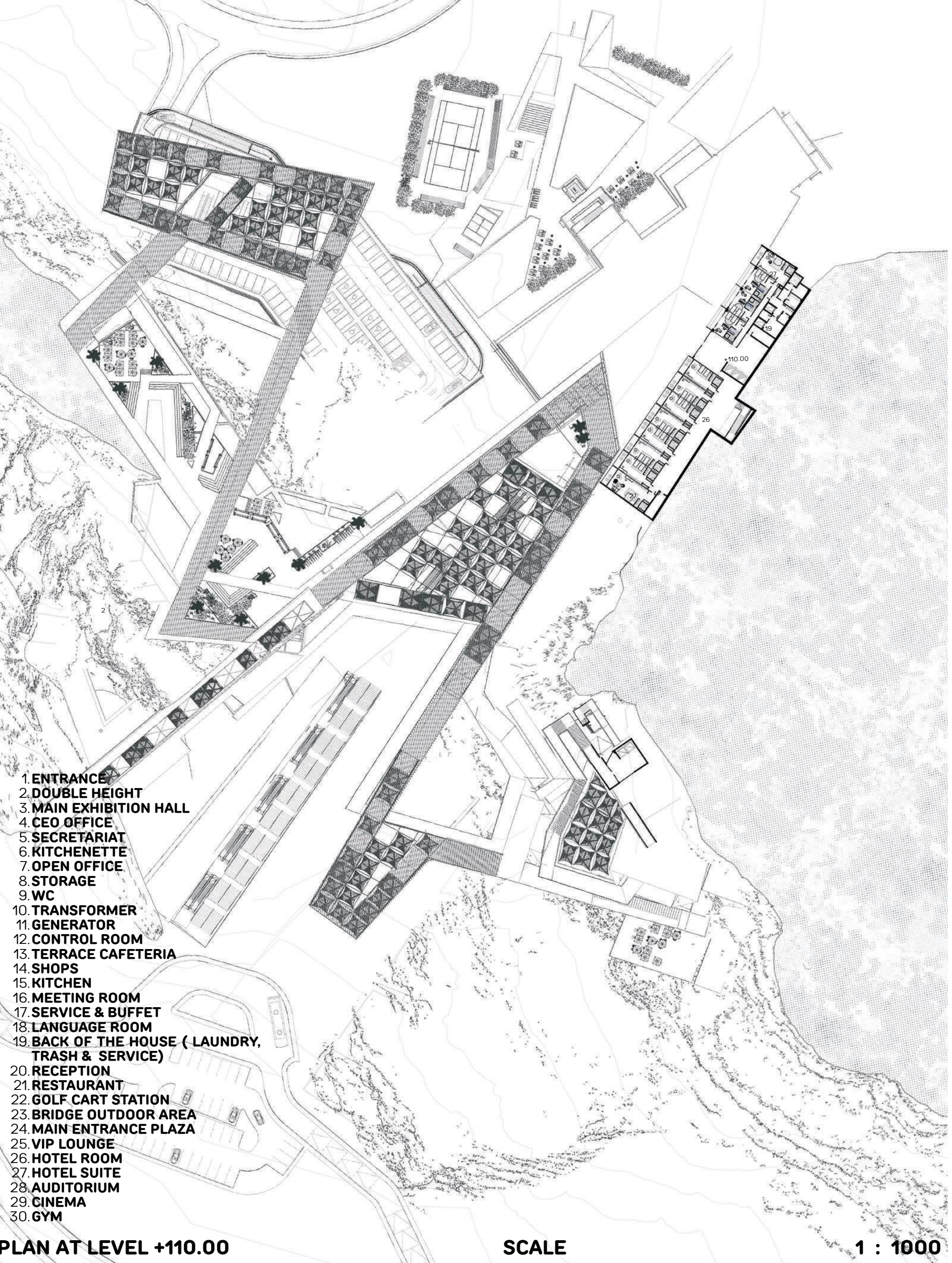
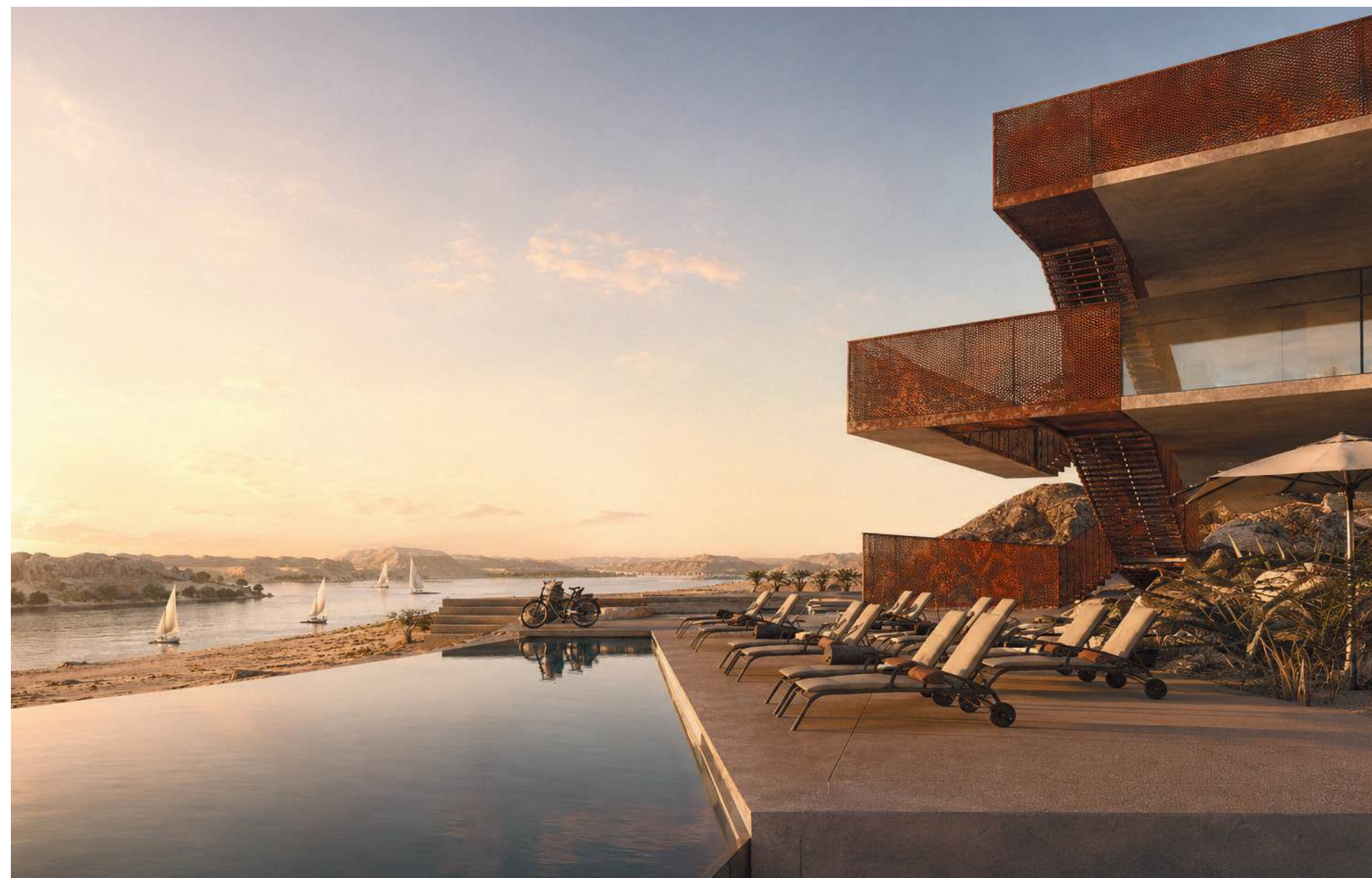
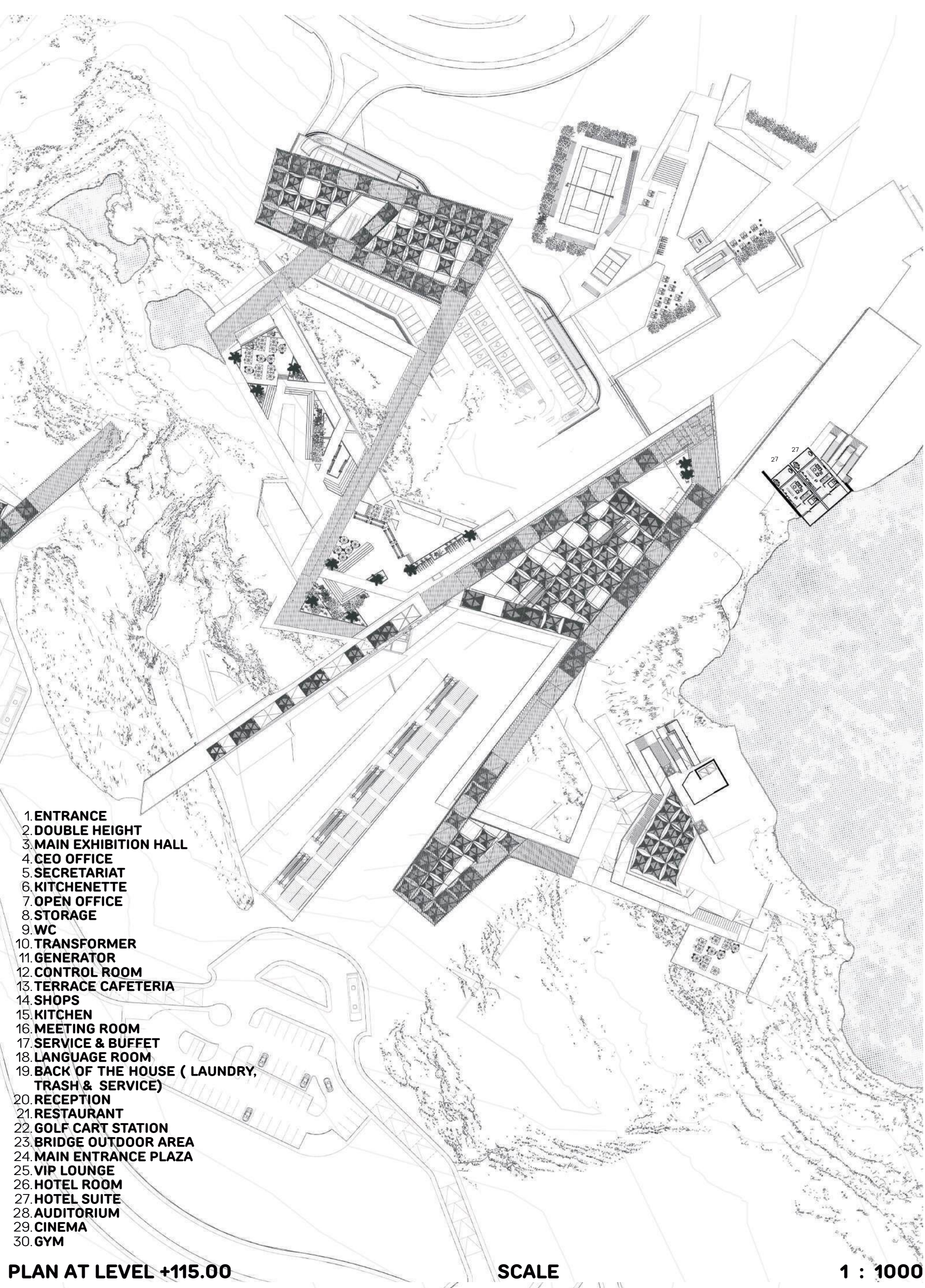
PLAN AT LEVEL +85.00

SCALE

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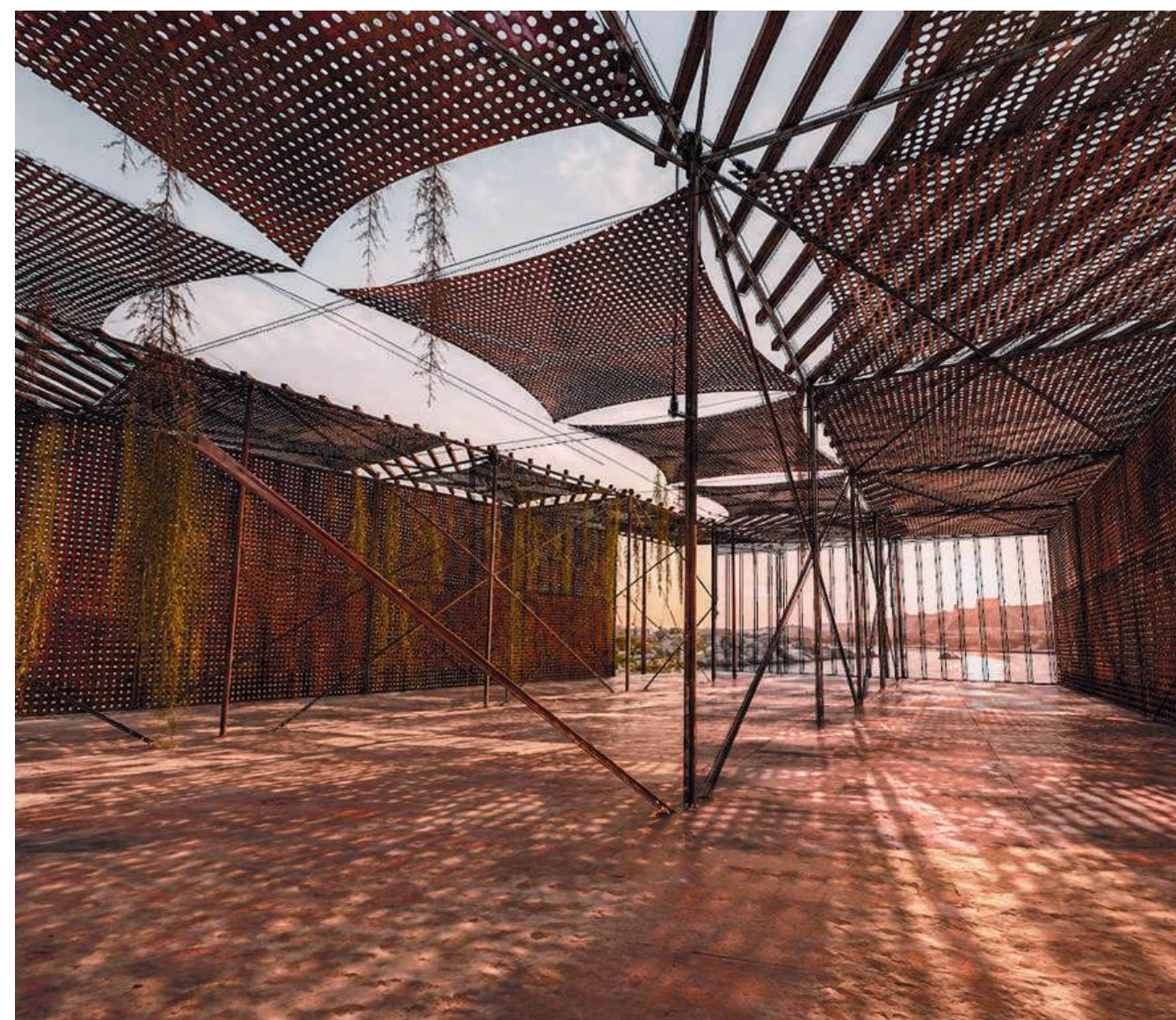


3D MASTER SECTION A-A SCALE



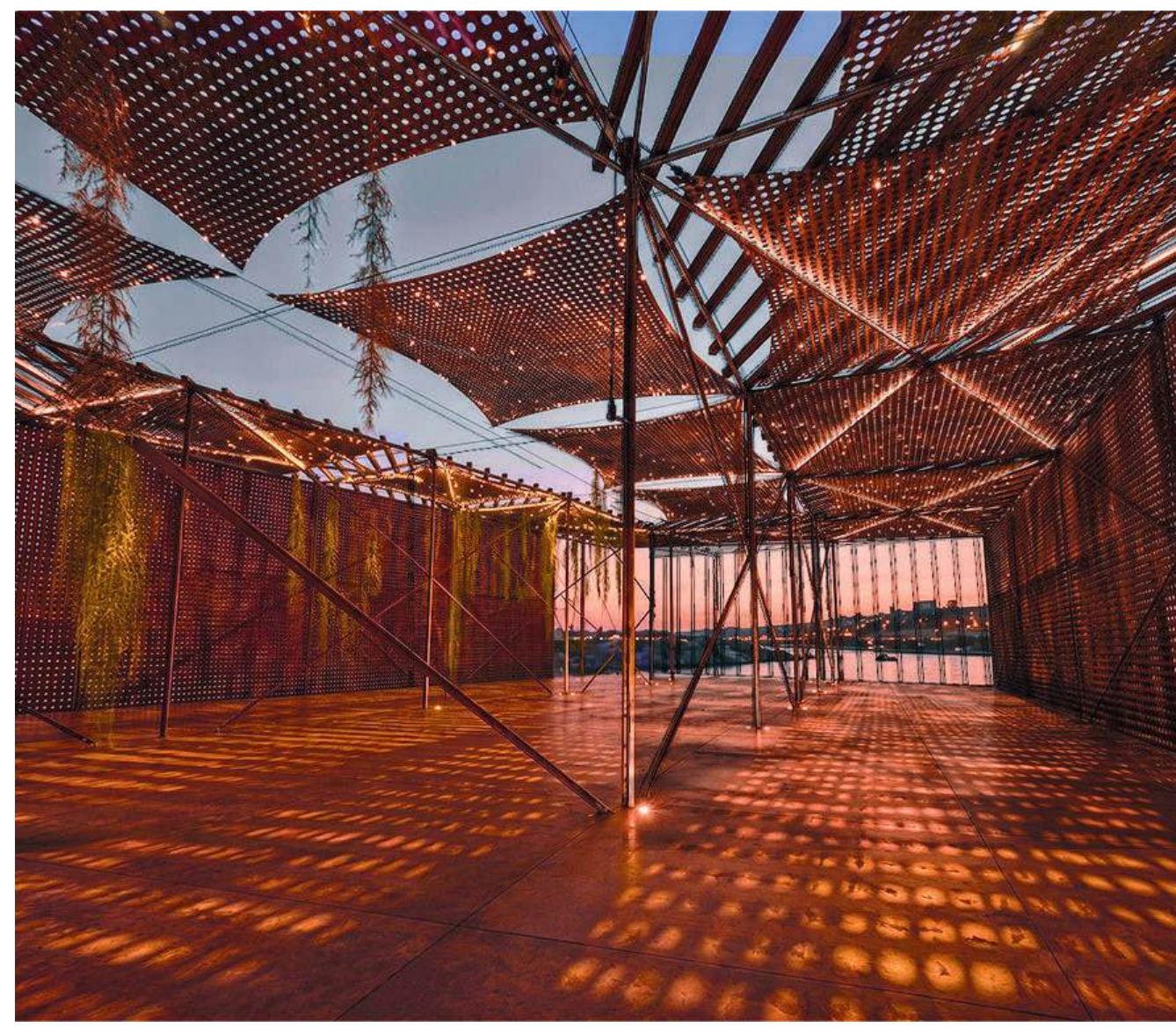
CHALLENGES

03. PHOTOVOLTAIC SOLAR CANOPY

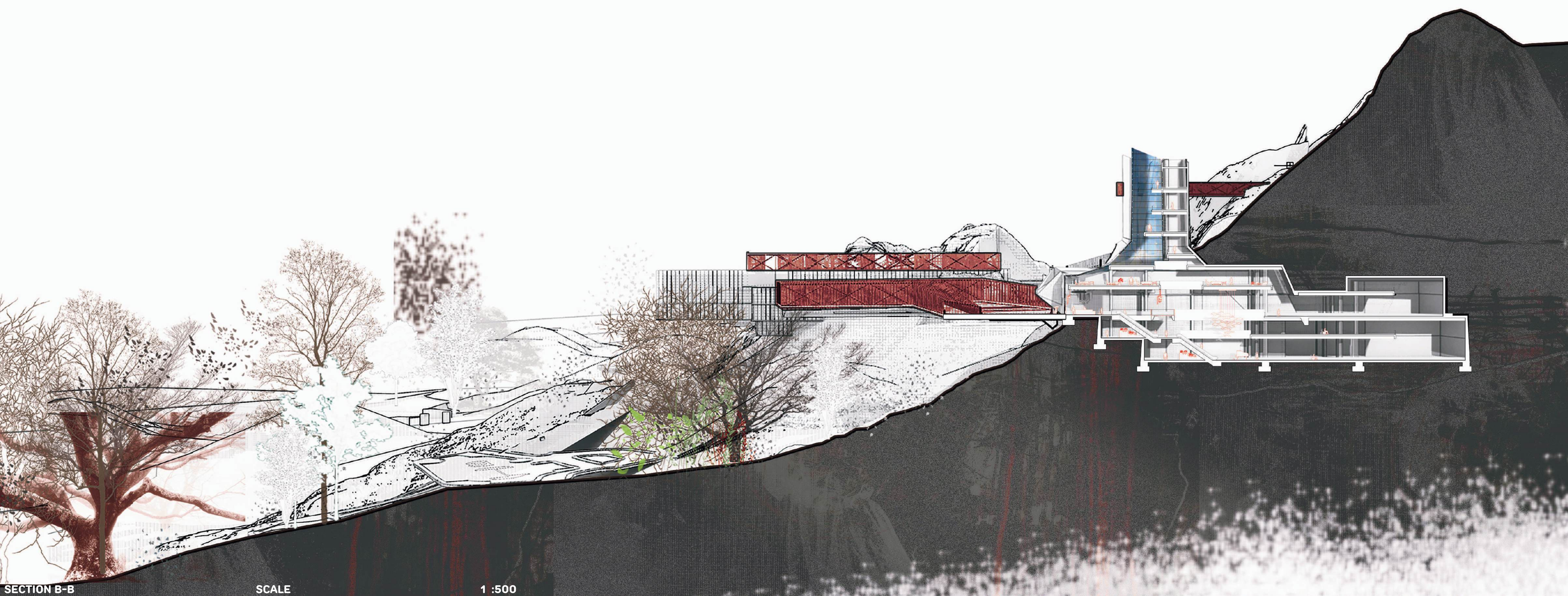
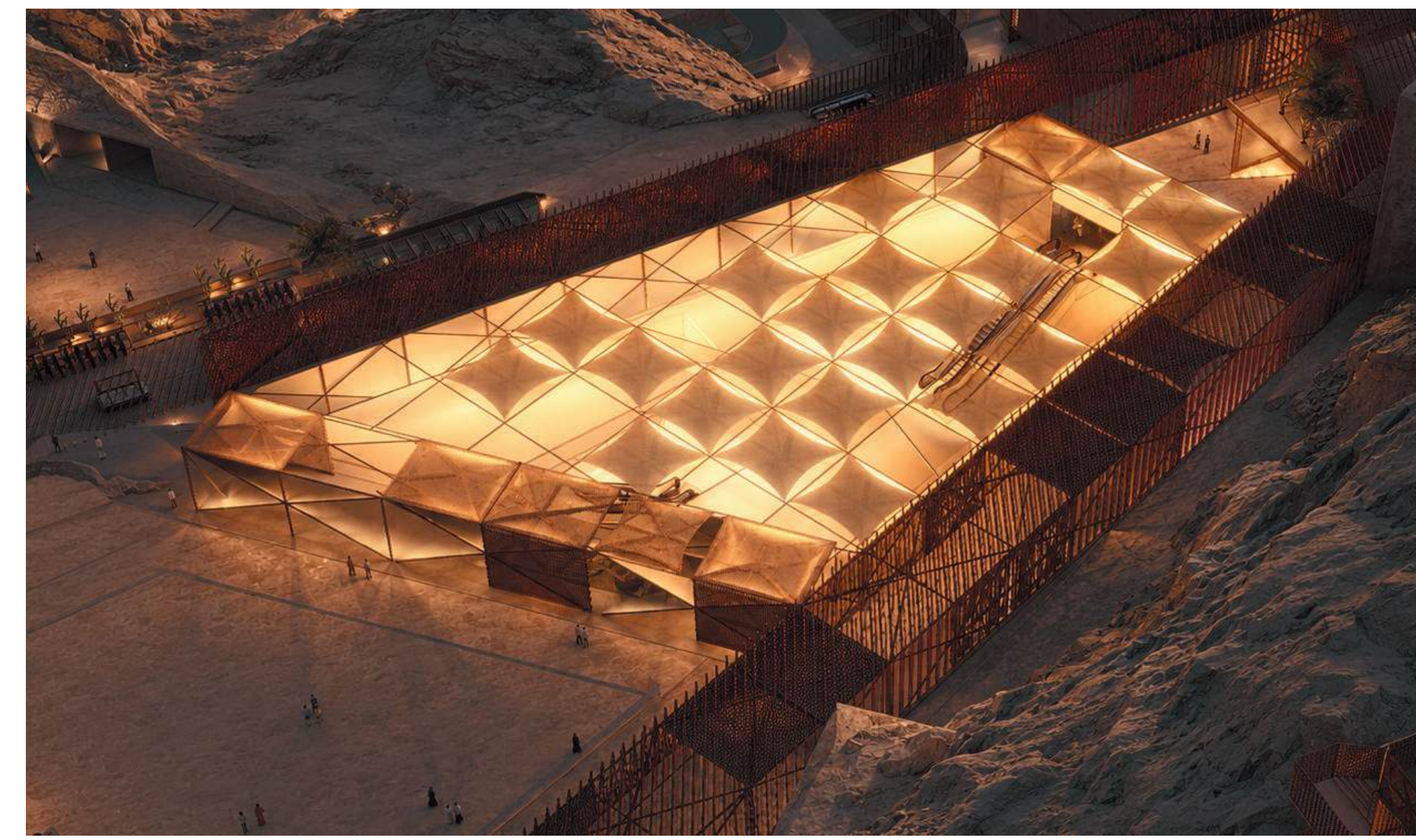


The project features a 10,000 m² solar fabric canopy that acts as a massive energy shield. Thanks to Aswan's intense sun, the fabric generates enough power to run the Museum & Convention Center's operations during the day while storing extra power in a battery system.

- 01 PV TEXTILE SURFACE WOVEN HIGH-PERFORMANCE TEXTILE WITH INTEGRATED PHOTOVOLTAIC FIBERS
 - 02 TRANSPARENT PROTECTIVE COATING ETFE / TPU COATING FOR WEATHER RESISTANCE AND SELF-CLEANING
 - 03 INSULATING INTERLAYER ENCAPSULATING LAYER FOR INSULATION AND ENCAPSULATION OF PV FIBERS
 - 04 BACKING TEXTILE LAYER LIGHTWEIGHT TENSILE BACKING FOR STRUCTURAL STABILITY
 - 05 TENSION CABLE STAINLESS STEEL TENSION CABLE CONNECTED TO NODE
- TEXTILE WEAVE & PV FIBER DETAIL
- CROSS SECTION
- 1. PV TEXTILE SURFACE
 - 2. PROTECTIVE COATING
 - 3. PV FIBER LAYER
 - 4. INSULATING INTERLAYER
 - 5. BACKING TEXTILE LAYER



At night, this stored renewable energy allows the canopy to softly glow. This provides beautiful, sustainable lighting for the public courtyards and turns the structure into a self-sustaining, glowing beacon of Nubian heritage in the dark desert.



THE INHERITED LINK

CHALLENGES

04. MOUNTAIN-EMBEDDED THERMAL STRATEGY

Embedding the building into the mountain provides high thermal mass, allowing the surrounding rock and rammed earth to absorb heat during the day and release it slowly at night. Combined with the solar chimney and stack effect, this passive strategy helps balance indoor heat and temperature naturally, reducing cooling demand and improving thermal comfort in Aswan's hot desert climate.

Solar Chimney

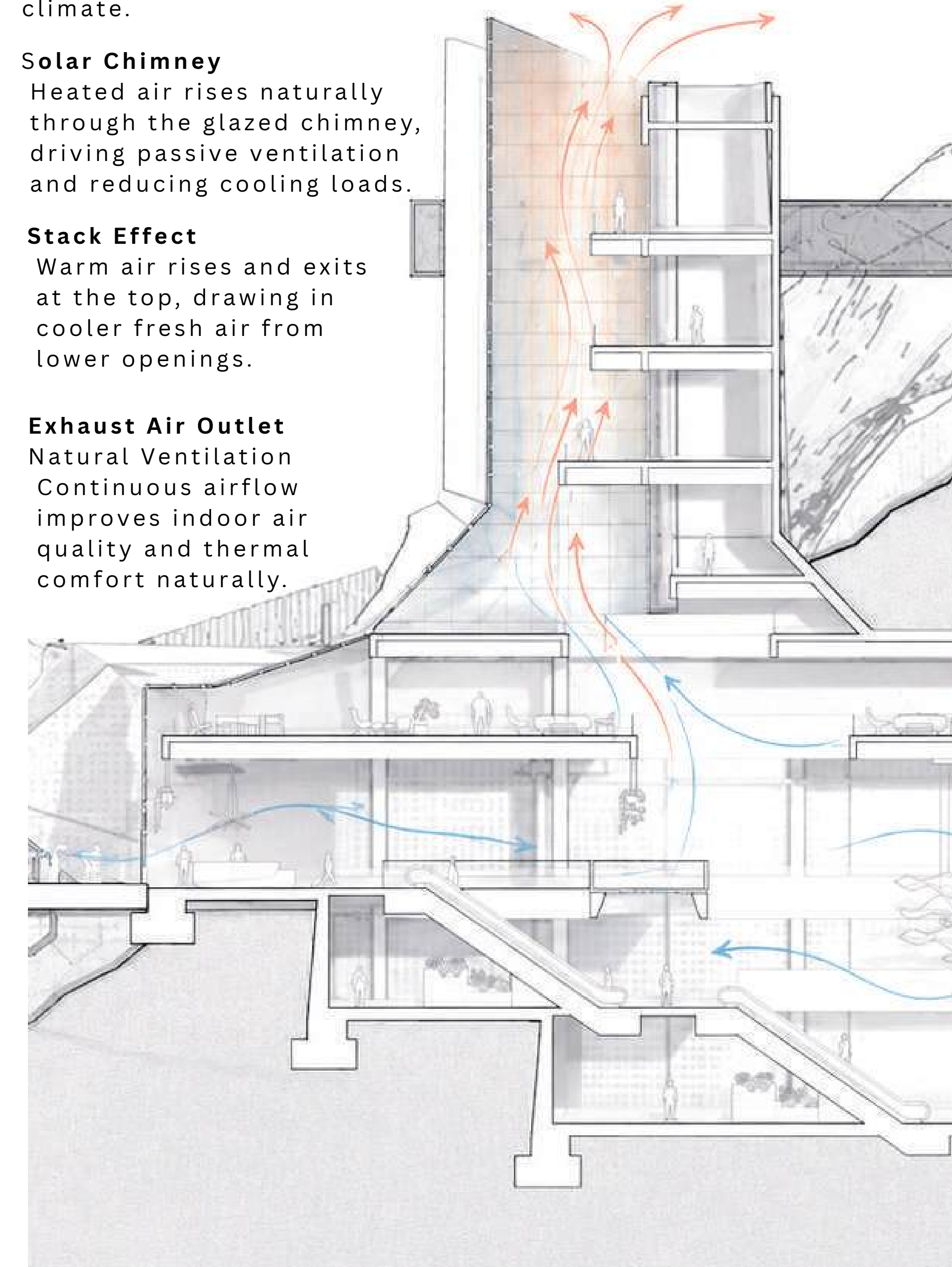
Heated air rises naturally through the glazed chimney, driving passive ventilation and reducing cooling loads.

Stack Effect

Warm air rises and exits at the top, drawing in cooler fresh air from lower openings.

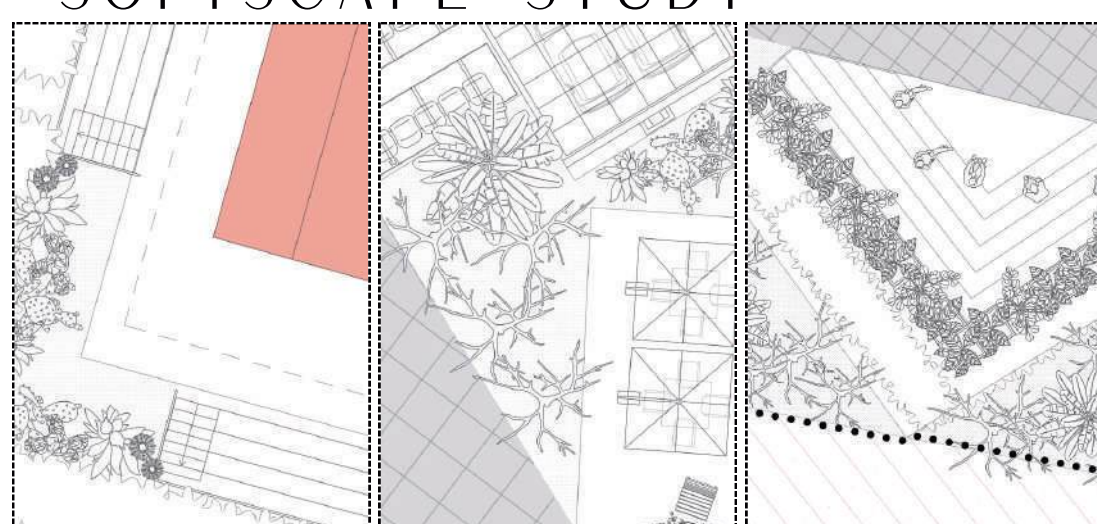
Exhaust Air Outlet

Natural Ventilation Continuous airflow improves indoor air quality and thermal comfort naturally.



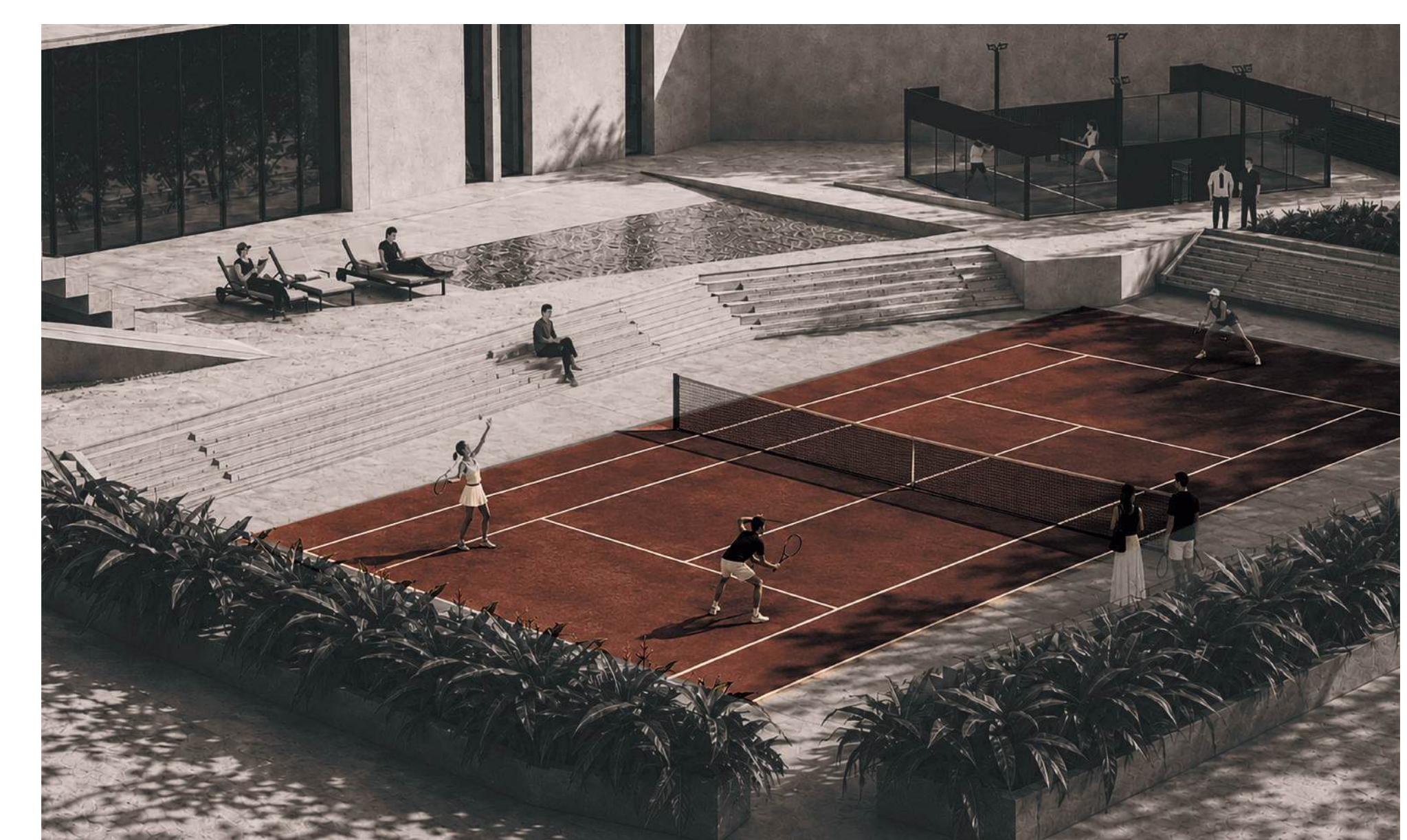
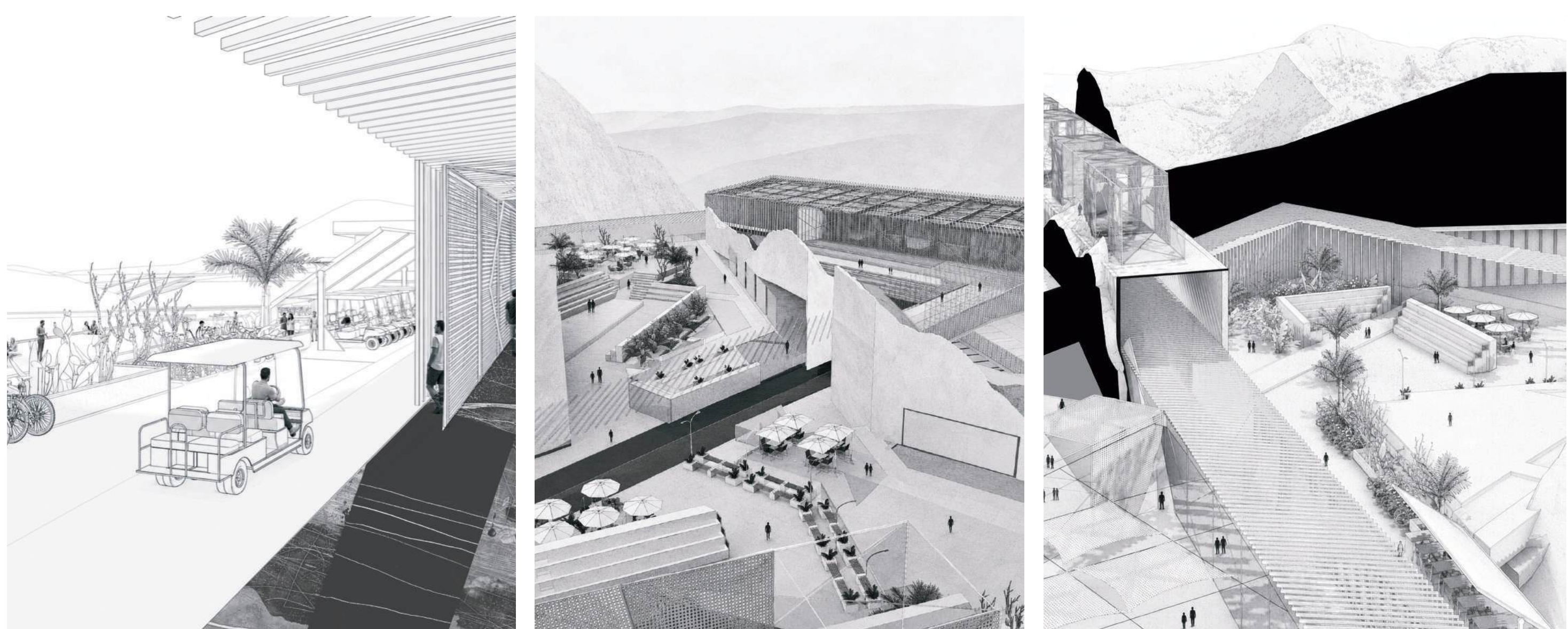
SPACES

LANDSCAPE SPACES SOFTSCAPE STUDY



The softscape reflects the quiet mood of Aswan's desert climate, using drought-tolerant plants to create a calm, dry, sunlit atmosphere that feels natural, warm, and rooted in the surrounding rocky landscape.

NO.	Quantity	Species / Characteristics (or Annual Climate)	Height / Adaptation	Quantity (M ²)	USDB
A	Medium-density tree	Forma compacta, drought-tolerant foliage	Adapted	40	✓
B	Medium-density shrub	Proxima, well-being shrub, can be formal	Native	20	✓
C	Low-density shrub	Large, rounded form, can be formal	Adapted	10	✓
D	Low-density shrub	Compact form, can be formal	Adapted	10	✓
E	Low-density shrub	Compact form, can be formal	Adapted	10	✓
F	Low-density shrub	Compact form, can be formal	Adapted	10	✓
G	Low-density shrub	Compact form, can be formal	Adapted	10	✓
H	Low-density shrub	Compact form, can be formal	Adapted	10	✓
I	Low-density shrub	Compact form, can be formal	Adapted	10	✓
J	Low-density shrub	Compact form, can be formal	Adapted	10	✓



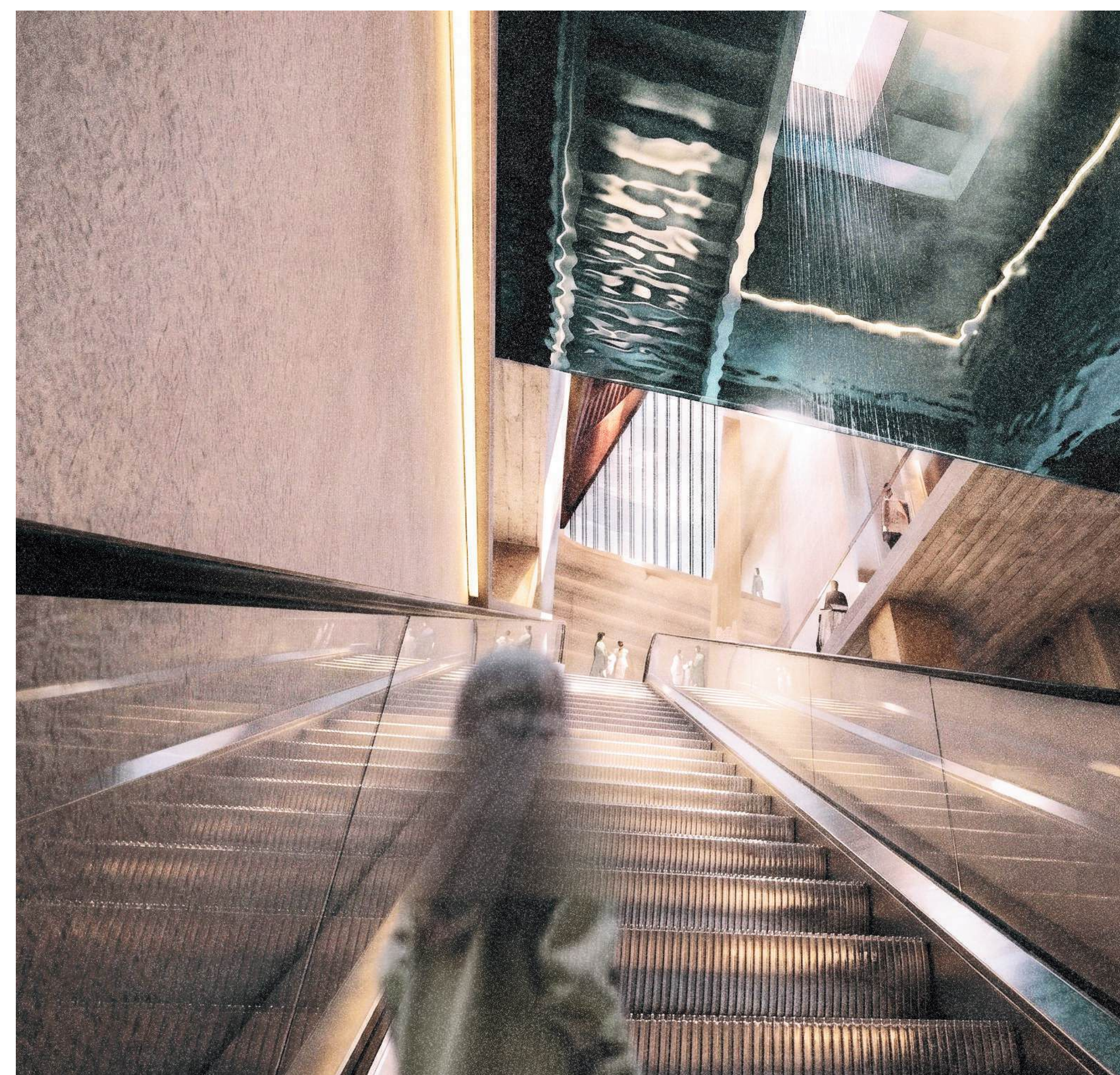
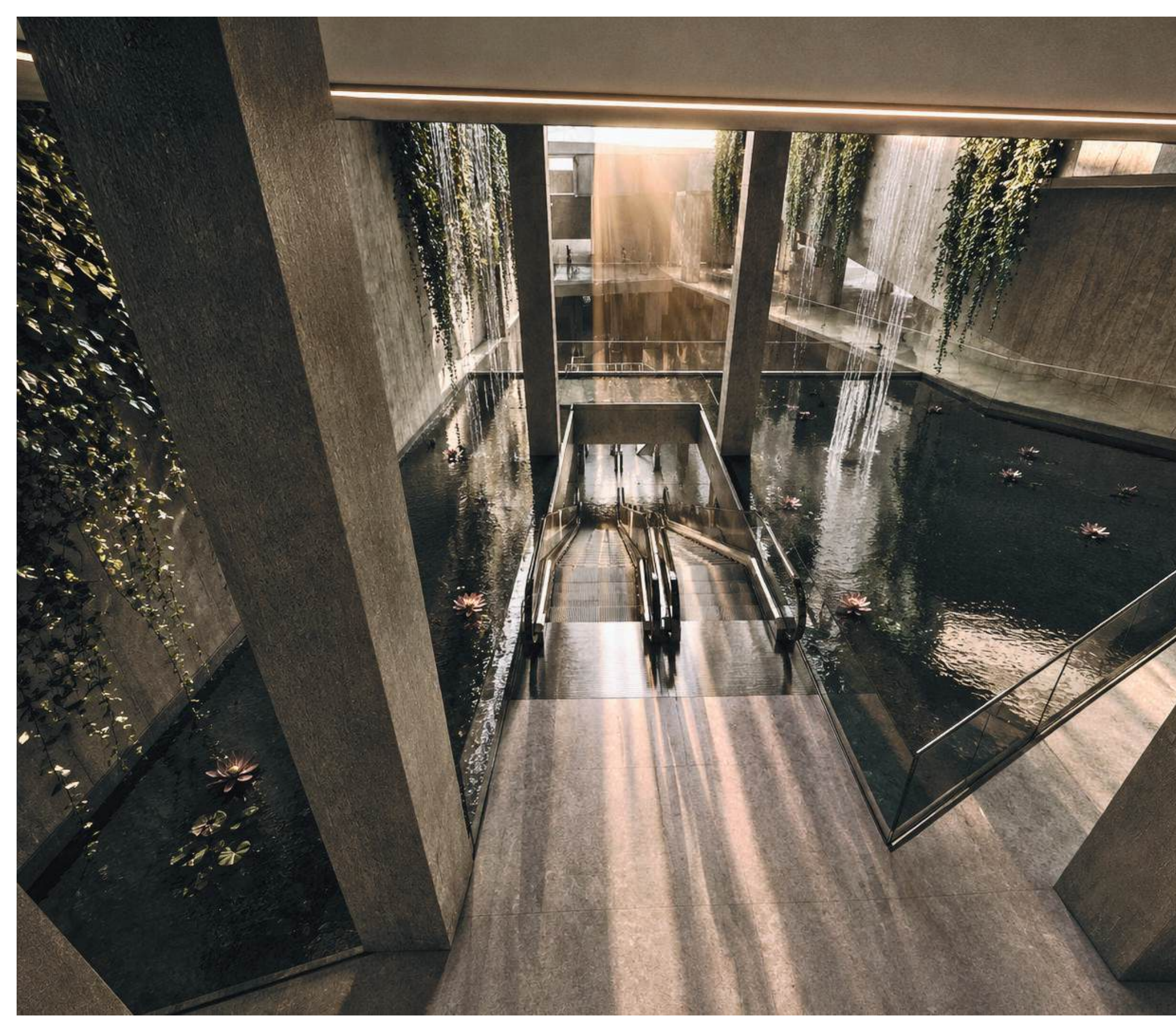
INTERIOR SPACES

INTERIOR SHOTS MUSEUM MAIN ENTRANCE RECEPTION

In this space, the water represents the Nile and acts as a timeline. When you are at the water level, the exhibitions are modern and contemporary. But as you rise above the water, you step back into history. This upward journey reflects the story of the sunken monuments of Nubia just as those ancient temples are submerged beneath the river, moving upward through the building feels like bringing lost history back to the surface.

Excavating Memory Rising above the water initiates a physical journey back in time. This upward architectural path reverses the narrative of the historical flood. By ascending through the carved rock spaces visitors encounter monumental heritage brought back into the light. Moving upward transforms the building into an immersive display where lost history is pulled back to the surface.

The circulation is designed as a gradual architectural hike along the mountain, where visitors ascend through corten-steel stairs, bridges, terraces, and suspended platforms embedded in the rocky slope. Each level reveals a different framed view of the desert, water, and monuments, turning movement into a journey of discovery. The experience reaches its climax at the observatory, where the Temple of Amada, Temple of Derr, Tomb of Pennut, the Nile, Lake Nasser, and the wider Aswan landscape are gathered into one panoramic moment of reflection.



PRESENTED BY

ALIA WAEL OMAR 2100296

FORM & SPACE