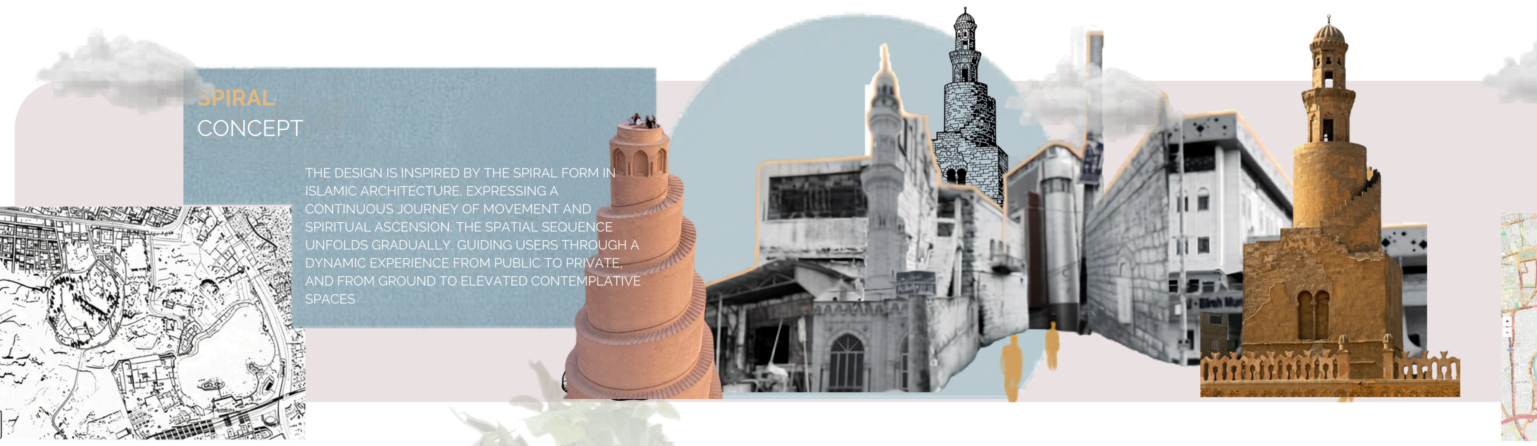
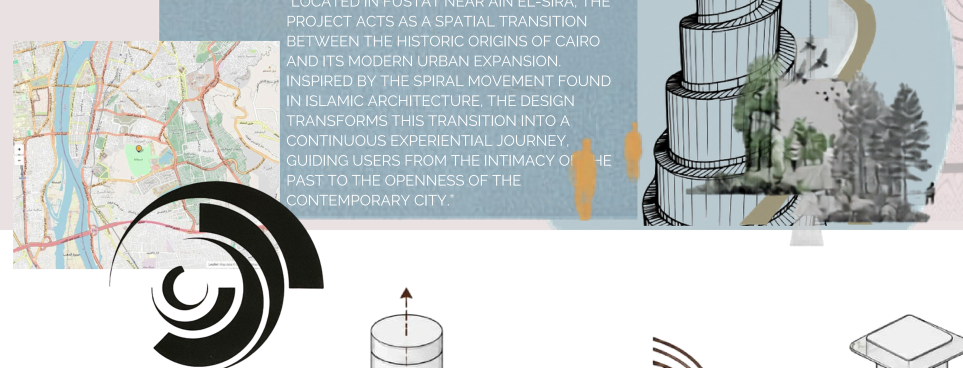
مدار



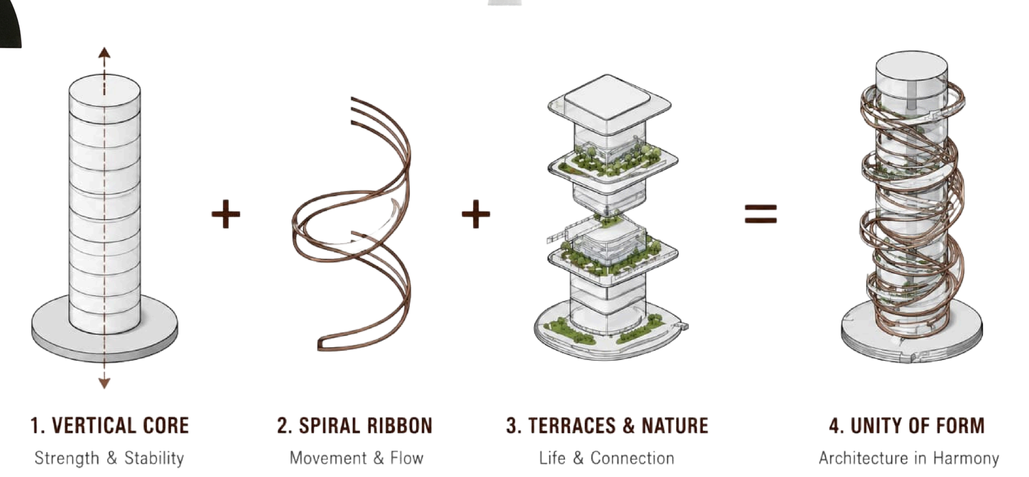
SPIRAL
CONCEPT

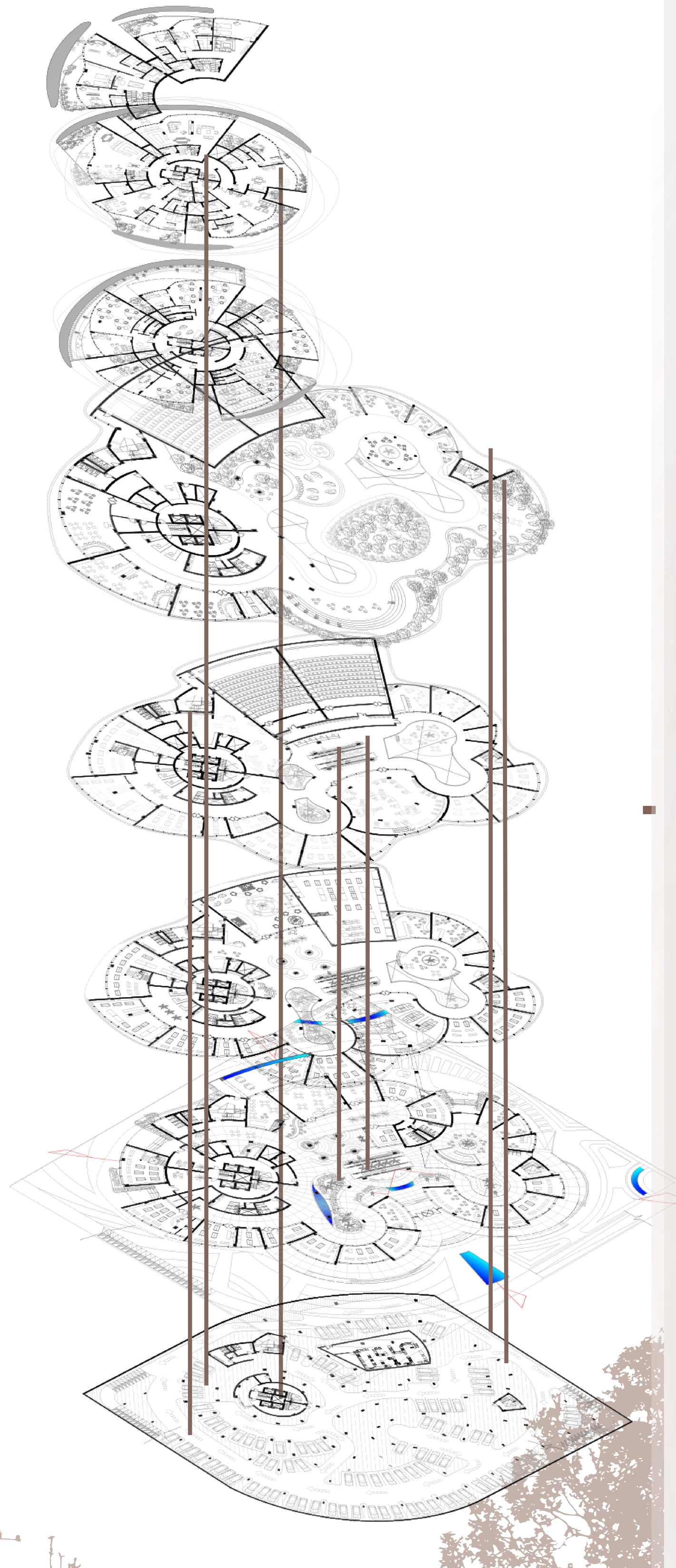
THE DESIGN IS INSPIRED BY THE SPIRAL FORM IN ISLAMIC ARCHITECTURE, EXPRESSING A CONTINUOUS JOURNEY OF MOVEMENT AND SPIRITUAL ASCENSION. THE SPATIAL SEQUENCE UNFOLDS GRADUALLY, GUIDING USERS THROUGH A DYNAMIC EXPERIENCE FROM PUBLIC TO PRIVATE, AND FROM GROUND TO ELEVATED CONTEMPLATIVE SPACES



LOCATION
FUSTAT NEAR AIN EL-SIRA

"LOCATED IN FUSTAT NEAR AIN EL-SIRA, THE PROJECT ACTS AS A SPATIAL TRANSITION BETWEEN THE HISTORIC ORIGINS OF CAIRO AND ITS MODERN URBAN EXPANSION. INSPIRED BY THE SPIRAL MOVEMENT FOUND IN ISLAMIC ARCHITECTURE, THE DESIGN TRANSFORMS THIS TRANSITION INTO A CONTINUOUS EXPERIENTIAL JOURNEY, GUIDING USERS FROM THE INTIMACY OF THE PAST TO THE OPENNESS OF THE CONTEMPORARY CITY."





Vertical Circulation Diagram

SECTION A-A

SCALE 1:200

SIDE ELEVATION

SCALE 1:400

GROUND FLOOR

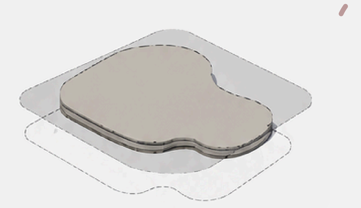
SCALE 1:100

1. *Reception*
2. *Cafe*
3. *Shop*
4. *Restaurant*
5. *Boothes*
6. *Bathrooms*
7. *Escape Stairs*
8. *Core*
9. *Service*
10. *Mechanical HVAC Room*
11. *Electric Room*
12. *Outdoor sitting Area*

FORM GENERATION DIAGRAM

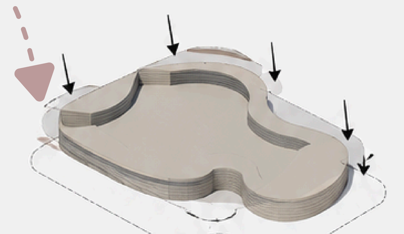
1 SITE & BASE

The form begins with a site podium that defines the development footprint and creates a public edge.



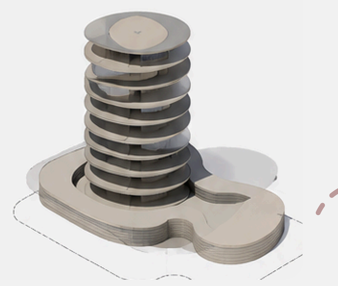
2 PODIUM SHAPING

The podium is sculpted to create curves, entry points and terraces that respond to site context.



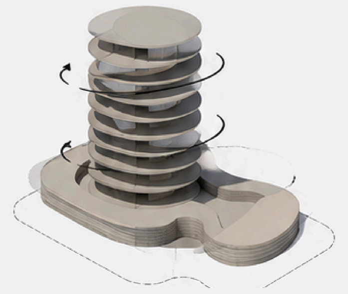
3 TOWER CORE & FLOORS

A central core is established and circular floor plates are stacked to form the vertical structure.



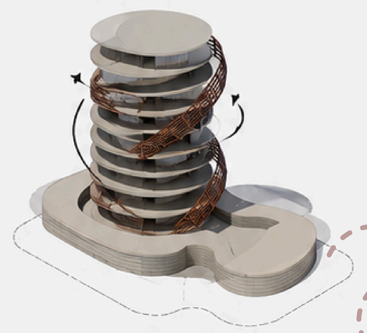
4 ROTATION OF FLOORS

Each floor plate is rotated incrementally to create dynamic movement and changing views.



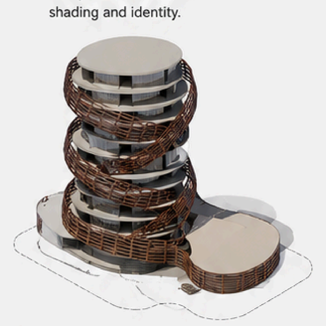
5 RIBBON CONCEPT

A continuous ribbon is introduced to wrap around the tower, linking the podium and upper levels.



6 STRUCTURAL LATTICE

The ribbon evolves into a structural lattice skin that provides structure, shading and identity.



7 PODIUM INTEGRATION

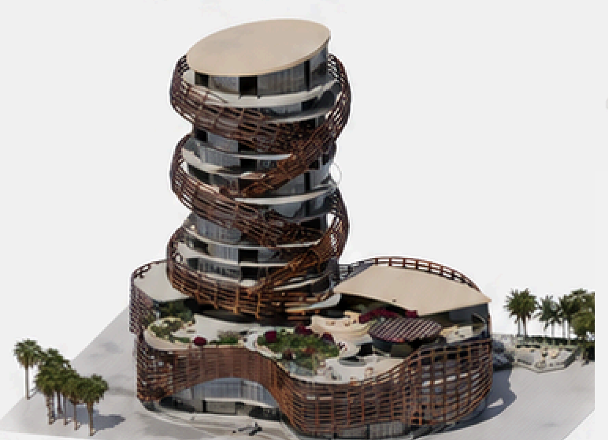
The lattice extends and merges with the podium, creating a unified architectural language.

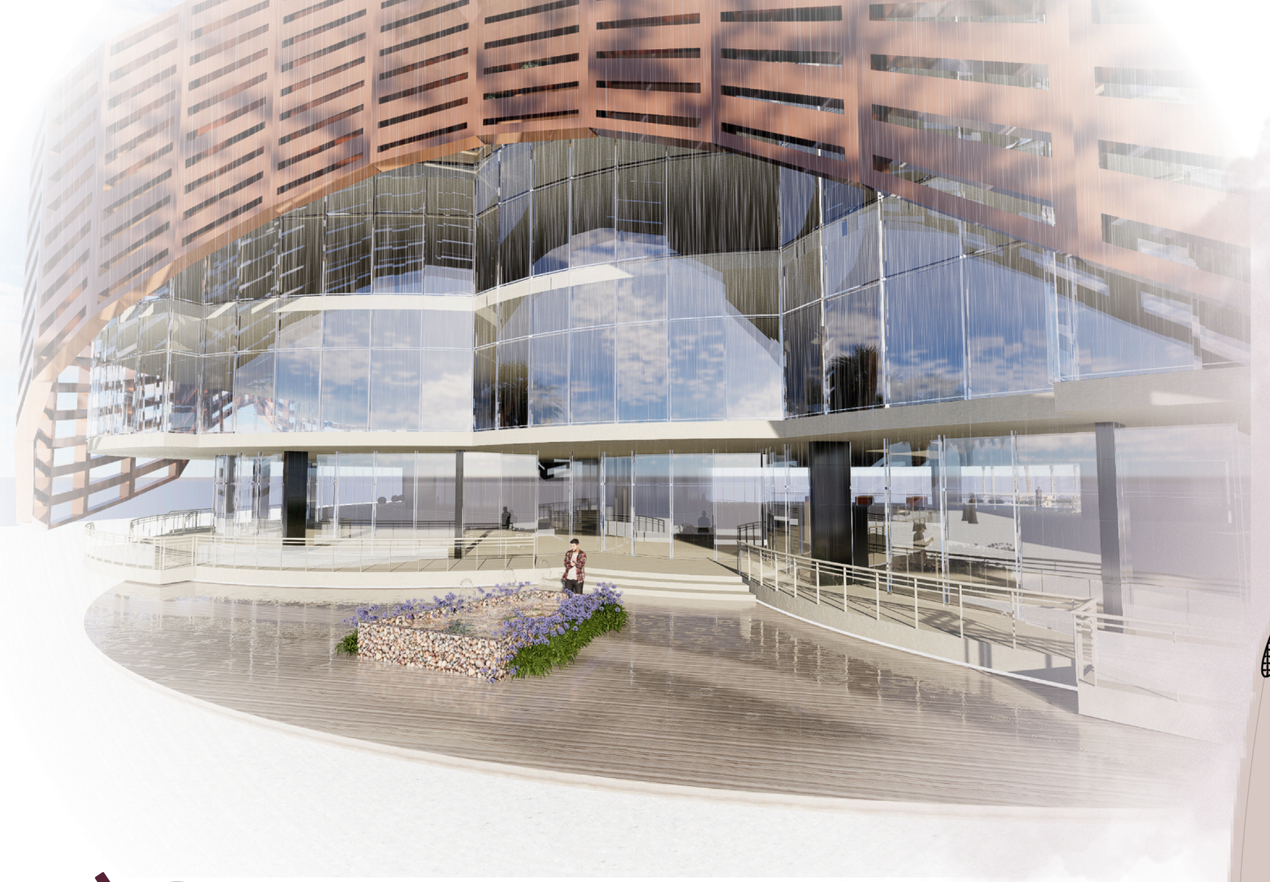
8 TERRACES & AMENITIES

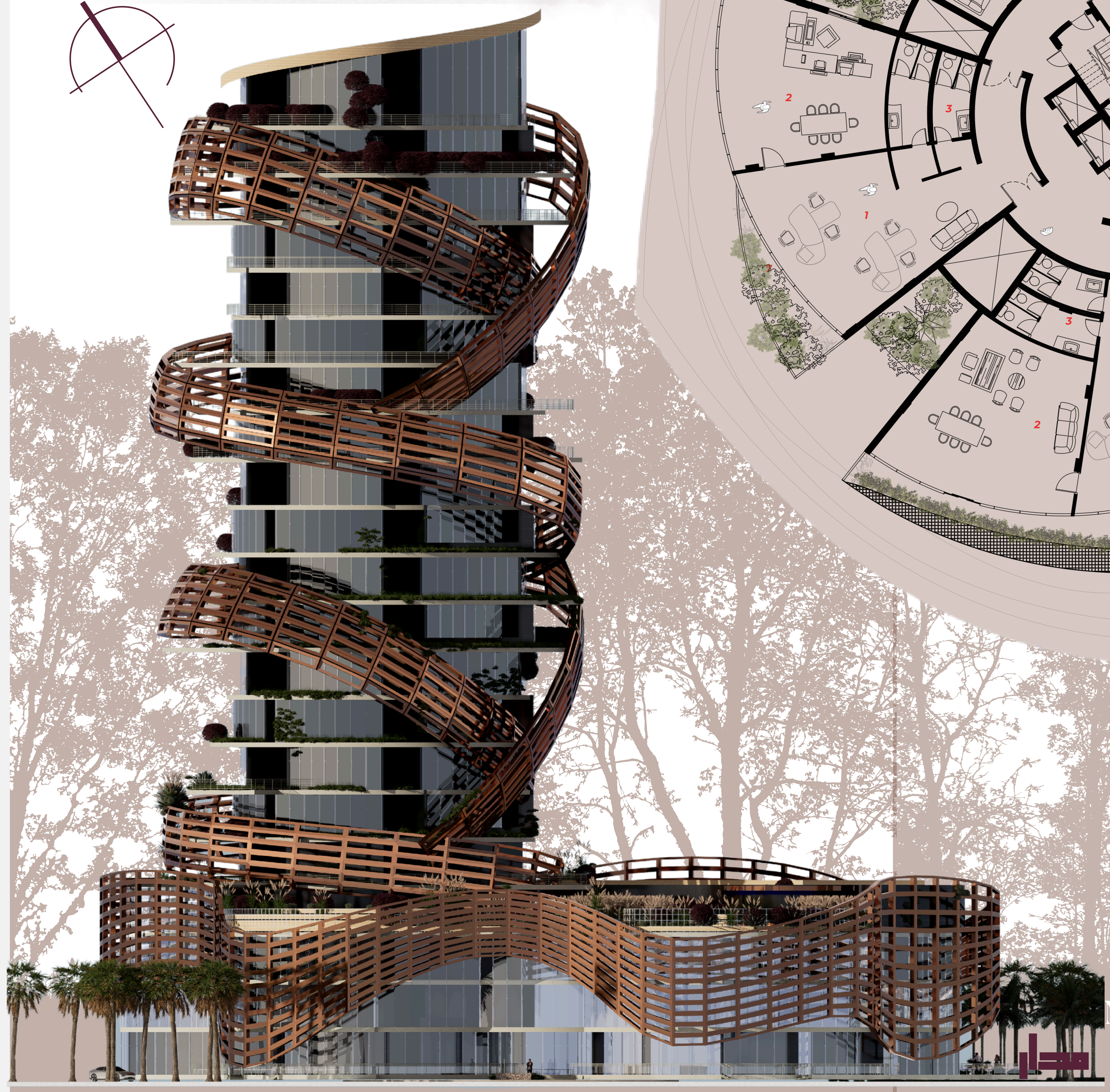
Terraces, gardens and amenity spaces are carved into the form to enhance livability and experience.

9 FINAL FORM

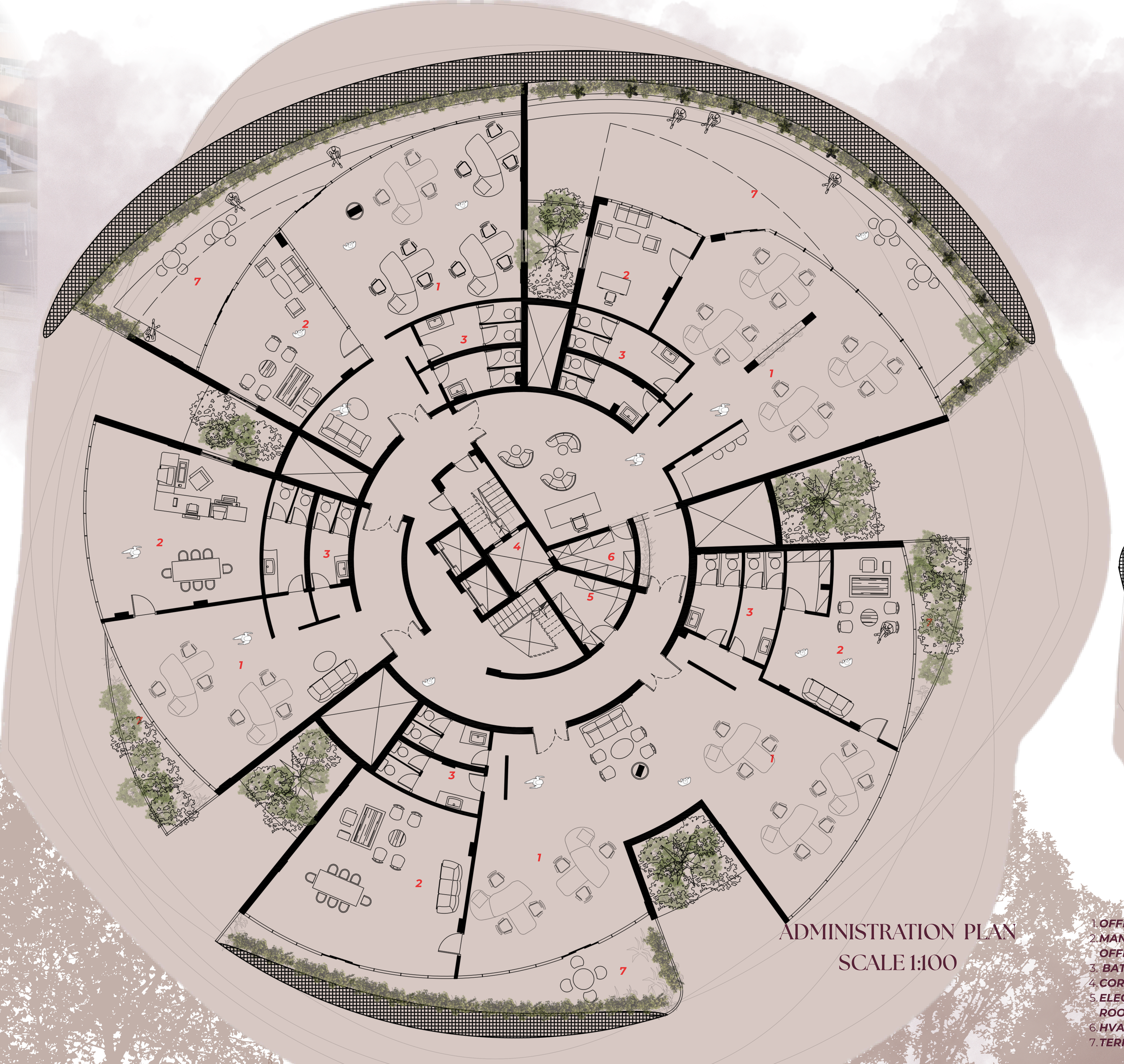
The completed form combines dynamic movement, structure, landscape and experience into a cohesive whole.







MAIN ELEVATION
SCALE 1:400

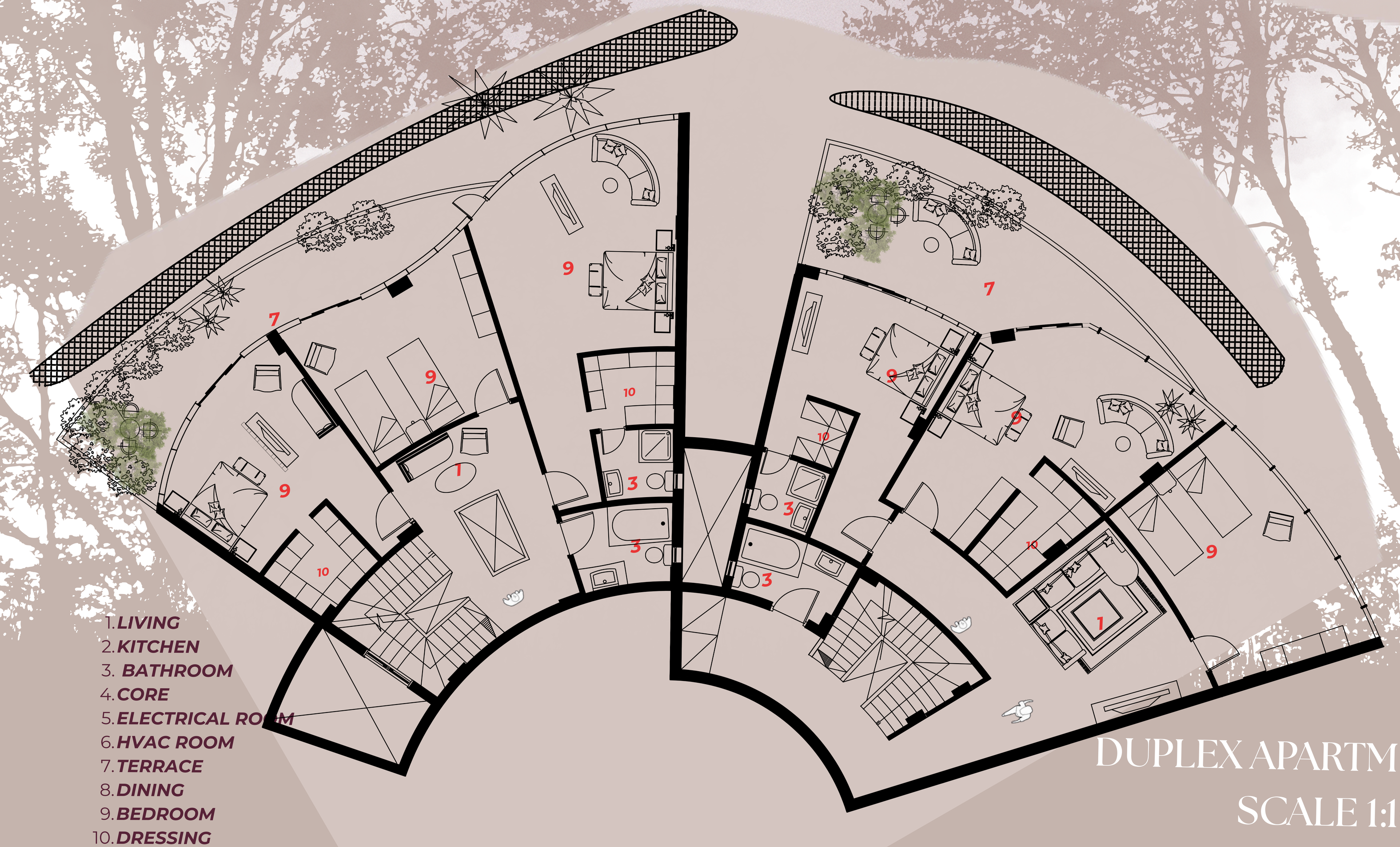


ADMINISTRATION PLAN
SCALE 1:100

1. OFFICE
2. MANAGER OFFICE
3. BATHROOMS
4. CORE
5. ELECTRICAL ROOM
6. HVAC ROOM
7. TERRACE

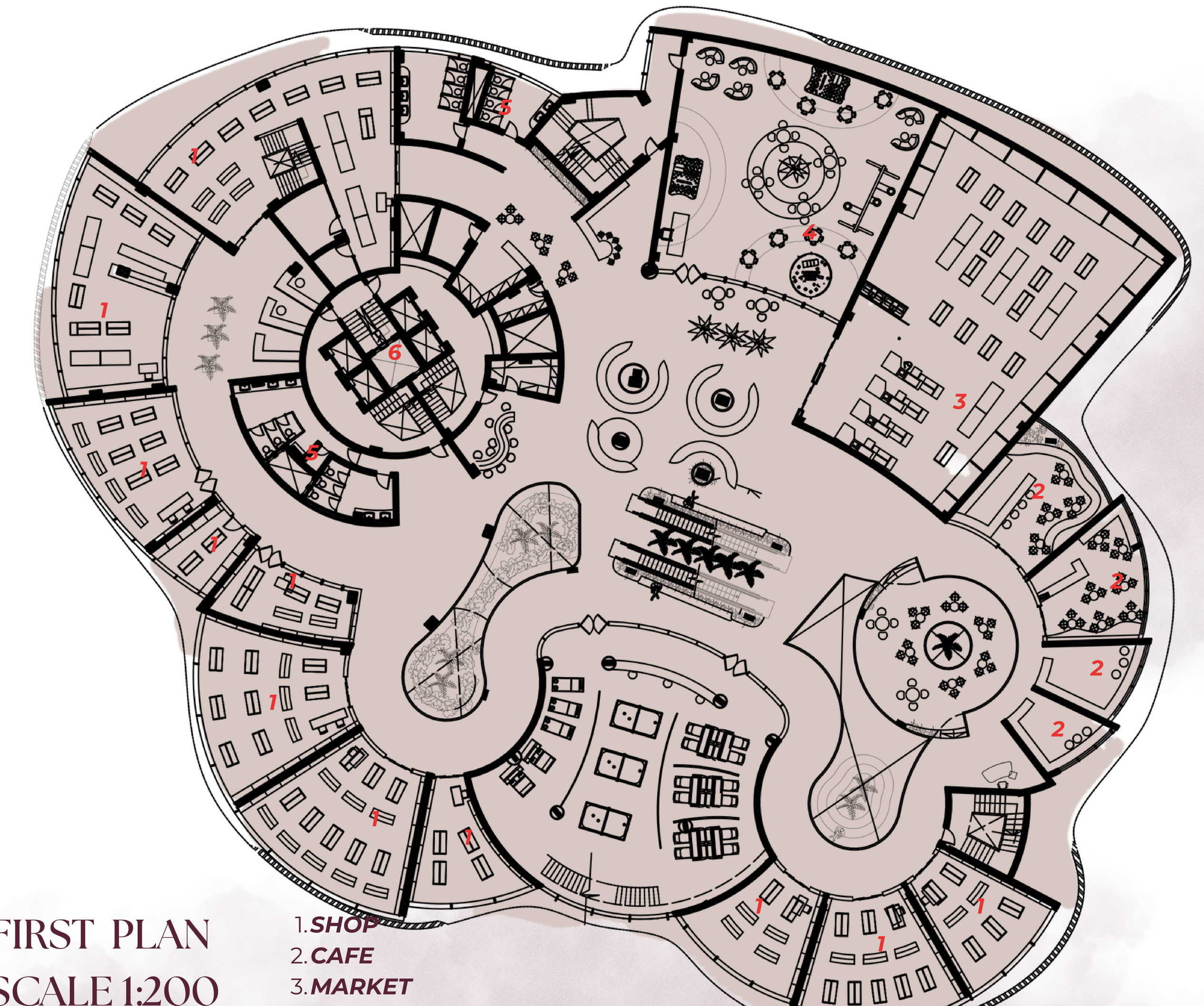
RESIDENTIAL PLAN
SCALE 1:100

1. LIVING
2. KITCHEN
3. BATHROOM
4. CORE
5. ELECTRICAL ROOM
6. HVAC ROOM
7. TERRACE
8. DINING



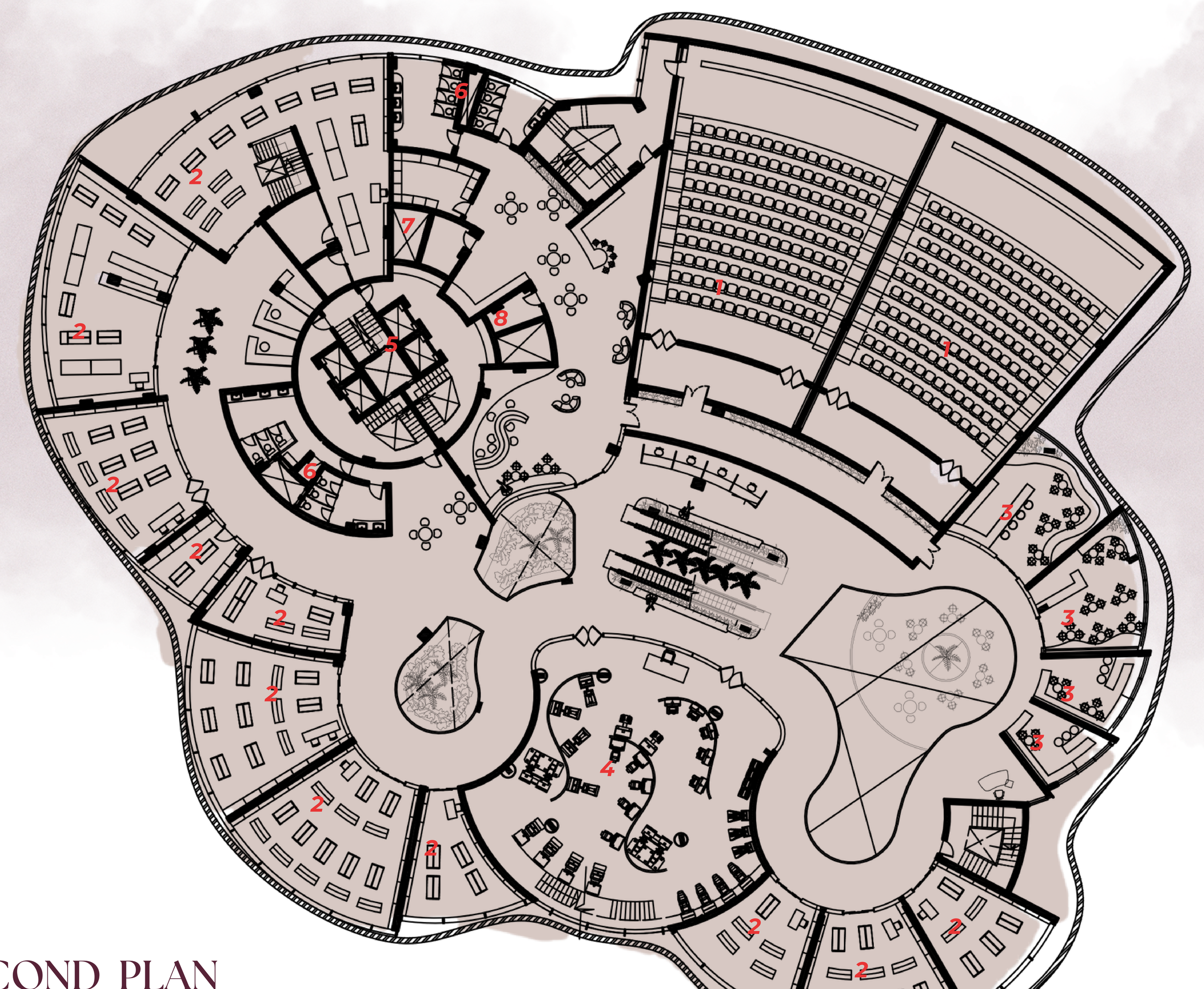
1. LIVING
2. KITCHEN
3. BATHROOM
4. CORE
5. ELECTRICAL ROOM
6. HVAC ROOM
7. TERRACE
8. DINING
9. BEDROOM
10. DRESSING

DUPLEX APARTMENTS PLAN
SCALE 1:100



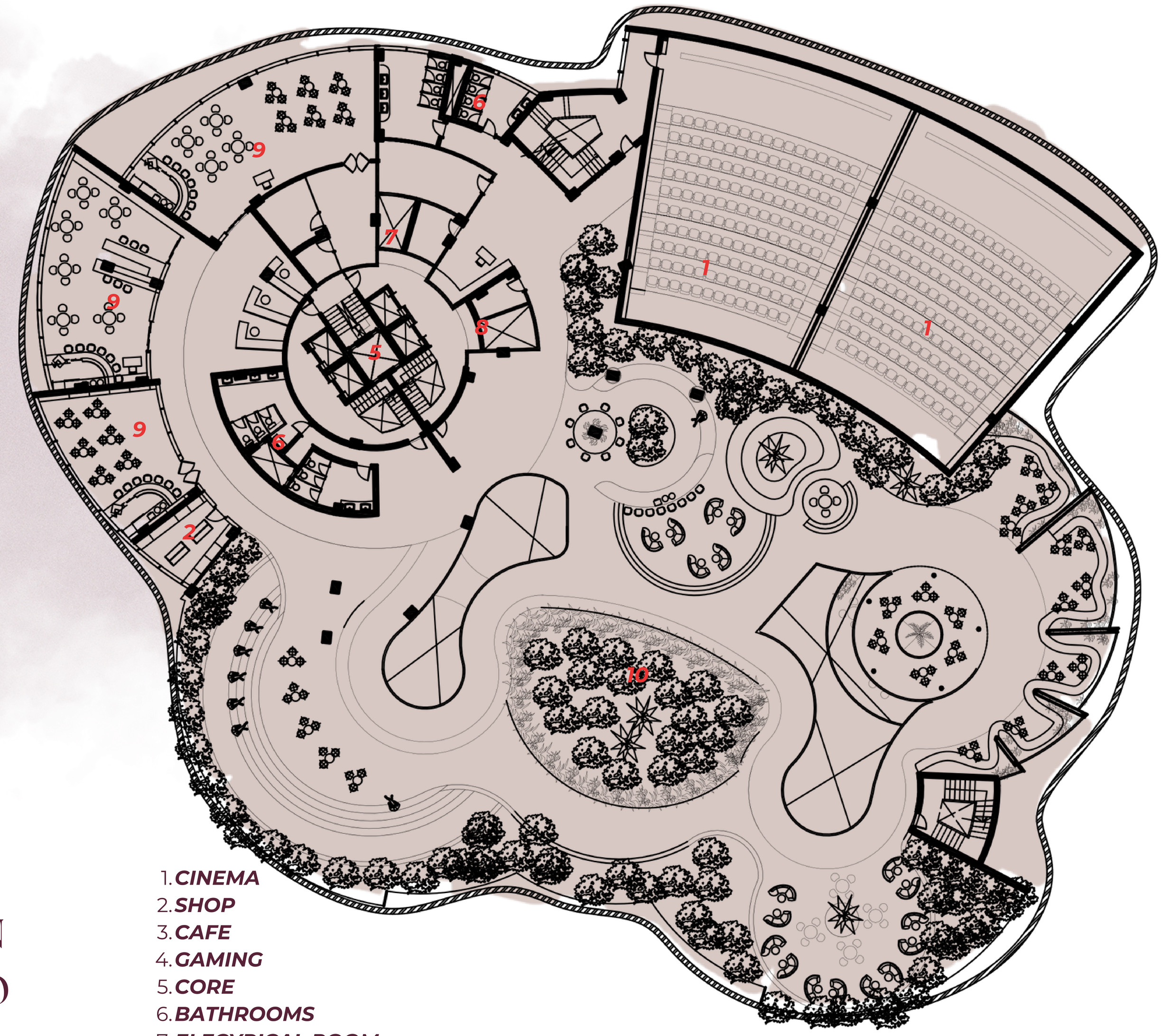
FIRST PLAN
SCALE 1:200

1. SHOP
2. CAFE
3. MARKET
4. KIDS AREA
5. BATHROOMS
6. CORE



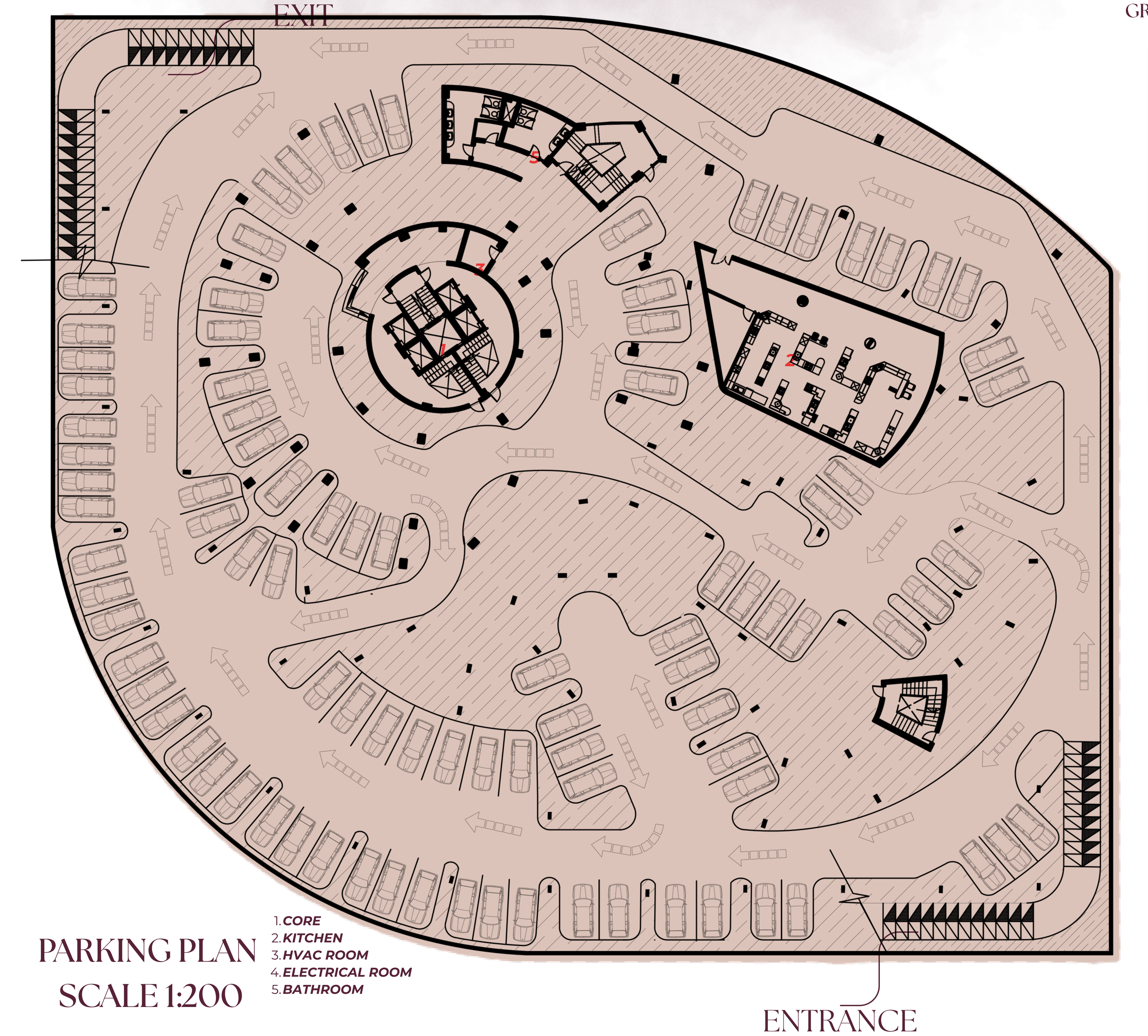
SECOND PLAN
SCALE 1:200

1. CINEMA
2. SHOP
3. CAFE
4. GAMING
5. CORE
6. BATHROOMS
7. ELECYRICAL ROOM
8. HVAC ROOM



ROOF PLAN
SCALE 1:200

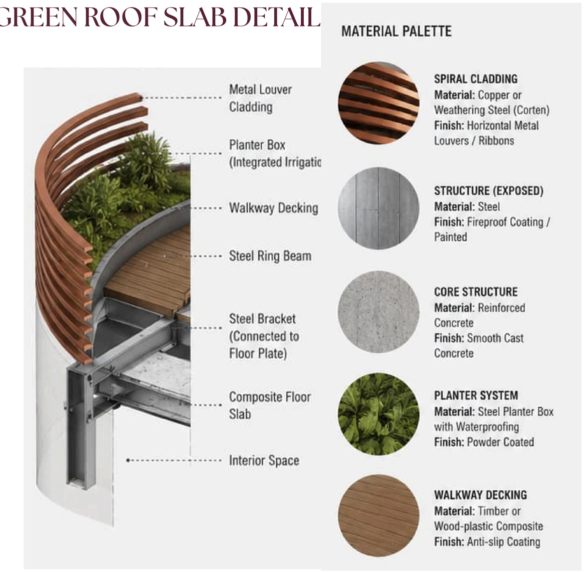
1. CINEMA
2. SHOP
3. CAFE
4. GAMING
5. CORE
6. BATHROOMS
7. ELECYRICAL ROOM
8. HVAC ROOM
9. RESTAURANT
10. GREEN ROOF



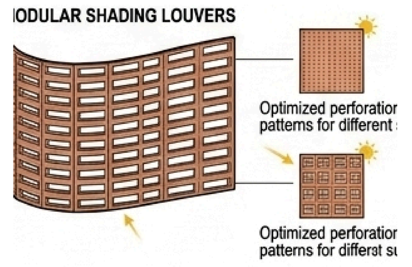
PARKING PLAN
SCALE 1:200

1. CORE
2. KITCHEN
3. HVAC ROOM
4. ELECTRICAL ROOM
5. BATHROOM

GREEN ROOF SLAB DETAIL



STRUCTURE ANALYSIS



SUSTAINABLE ARCHITECTURAL SECTION DIAGRAM

Environmental & Passive Design Strategies

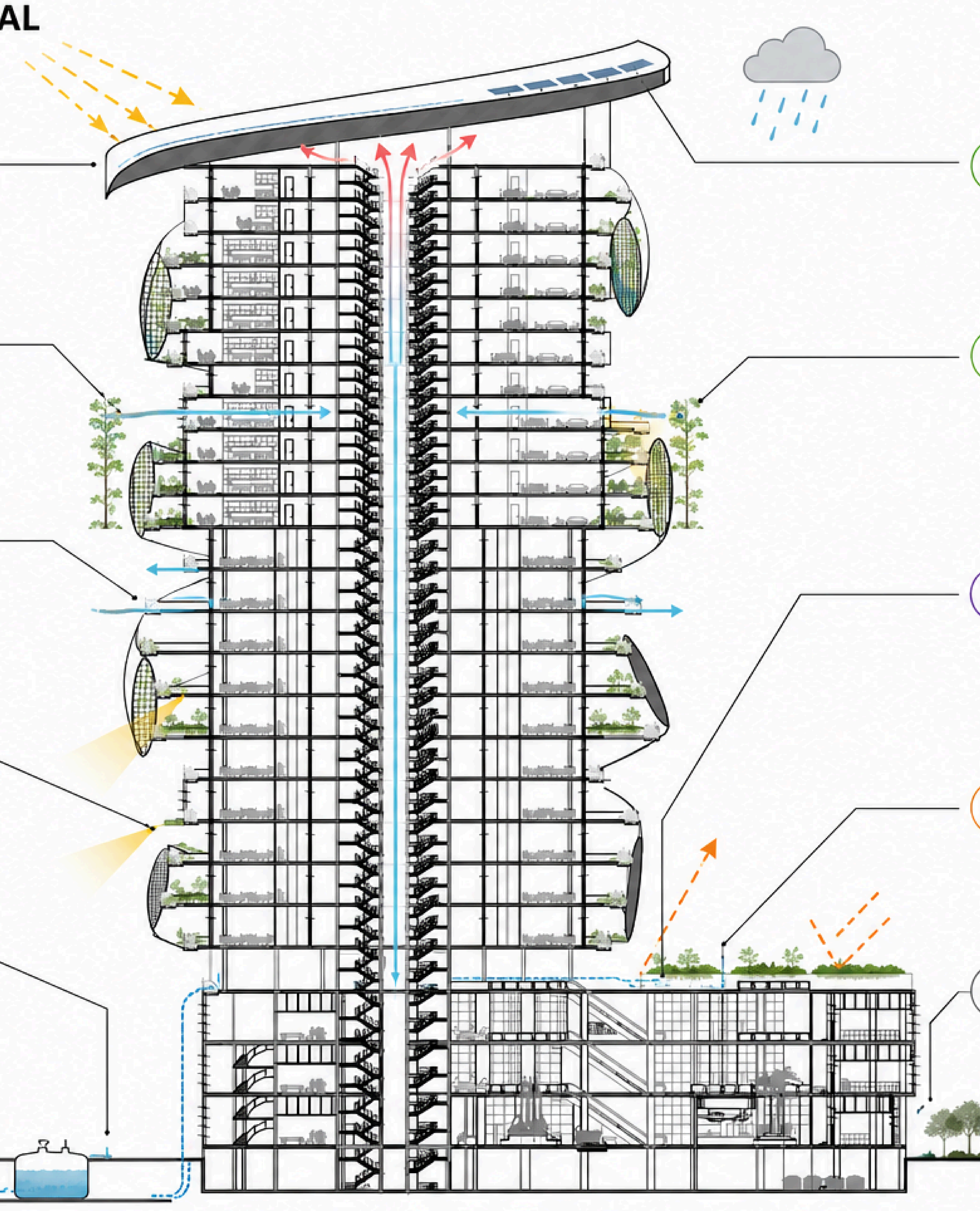
1. PASSIVE SHADING
Large roof canopy provides solar shading for upper floors and reduces heat gain and cooling loads.

2. SKY GARDENS & GREEN PODS
Projected pods act as self-shading elements and host greenery, improving air quality, reducing heat island effect and enhancing occupant well-being.

3. NATURAL VENTILATION (STACK EFFECT)
Central atrium / core allows hot air to rise and escape, creating a stack effect that promotes natural ventilation and reduces reliance on mechanical systems.

4. DAYLIGHTING
Shallow floor plates, multiple exposed edges and open terraces maximize daylight penetration and reduce artificial lighting demand.

5. WATER SUSTAINABILITY
Rainwater collected from the roof is stored and reused for irrigation of sky gardens and pod landscapes.



6. RENEWABLE ENERGY
Roof canopy ideal for photovoltaic panels to generate clean energy and reduce operational carbon footprint.

7. BIOPHILIC DESIGN
Integration of vegetation at multiple levels brings nature into the building, improving thermal comfort, reducing stress and enhancing biodiversity.

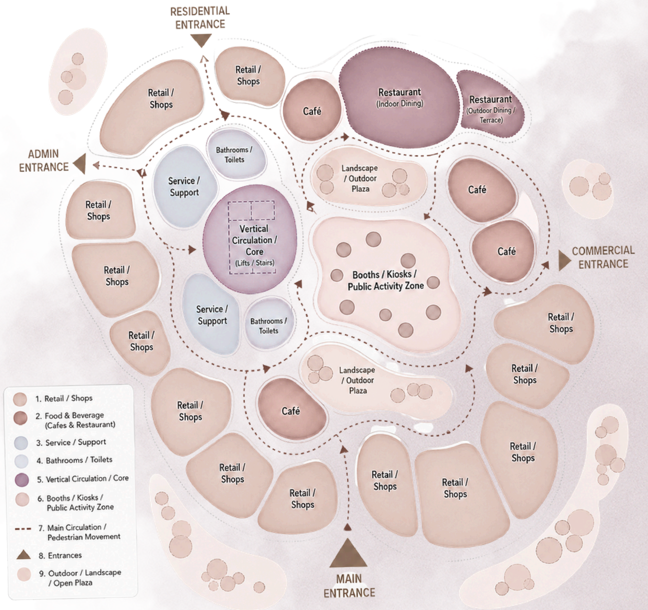
8. MIXED-USE & URBAN SUSTAINABILITY
Mixed-use podium and tower reduce transportation needs, promote walkability and support a vibrant 24/7 urban environment.

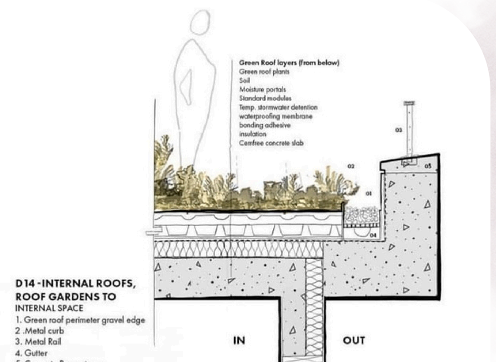
9. THERMAL PERFORMANCE
Shading devices, green terraces, double glazing and high-performance facade systems minimize heat gain and improve energy efficiency.

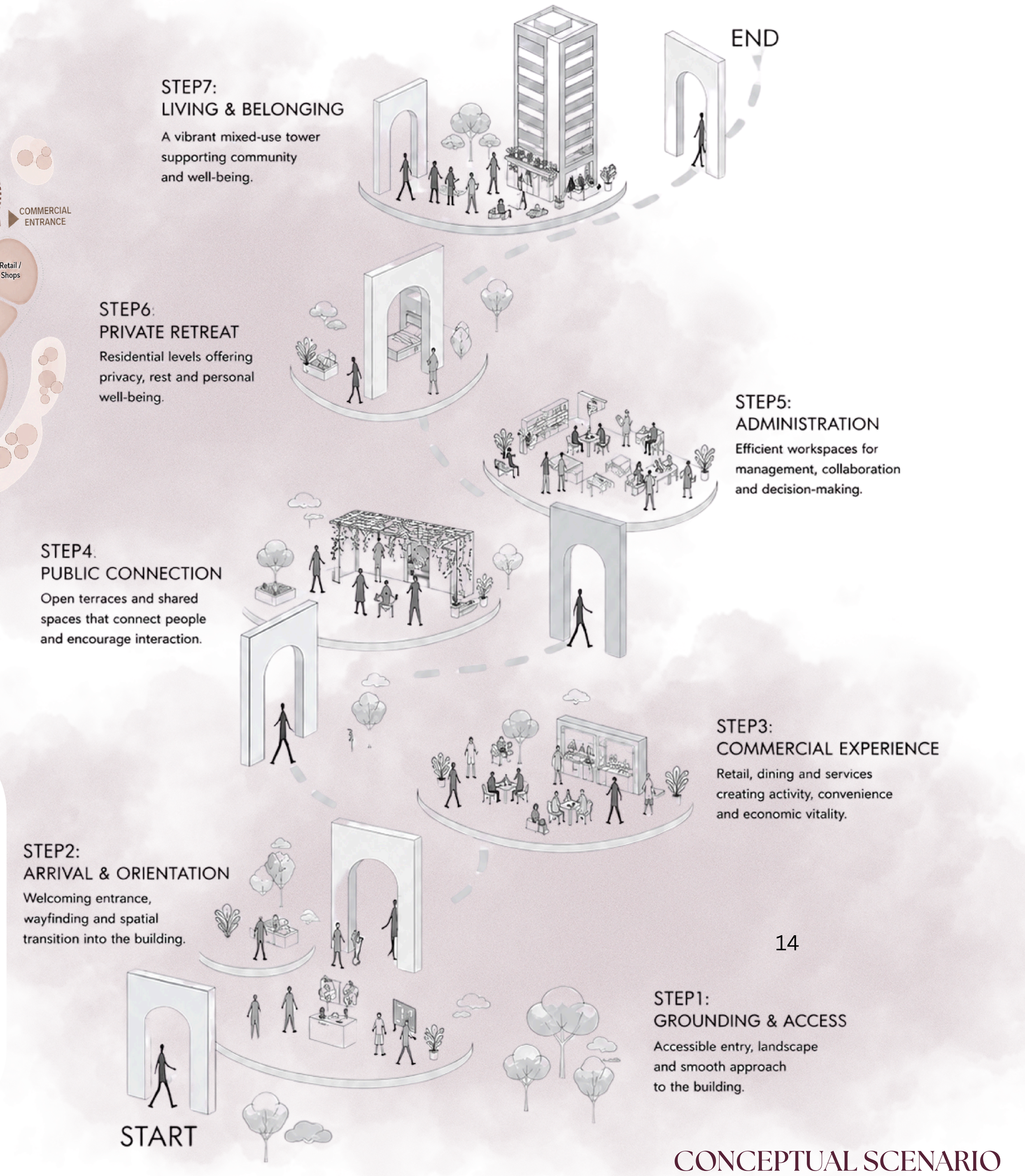
10. EFFICIENT STRUCTURE & MATERIALS
Central core and repetitive floor plates allow efficient structural system, reduced material waste and potential for prefabrication.

SUNLIGHT | NATURAL AIRFLOW | WARM AIR EXHAUST | GREENERY | RAINWATER FLOW | HEAT PROTECTION

GREEN TERRACE VEGETATION







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CONCEPTUAL SCENARIO