



BAL ISLAND

“DIFFERENT YET COHERENT”





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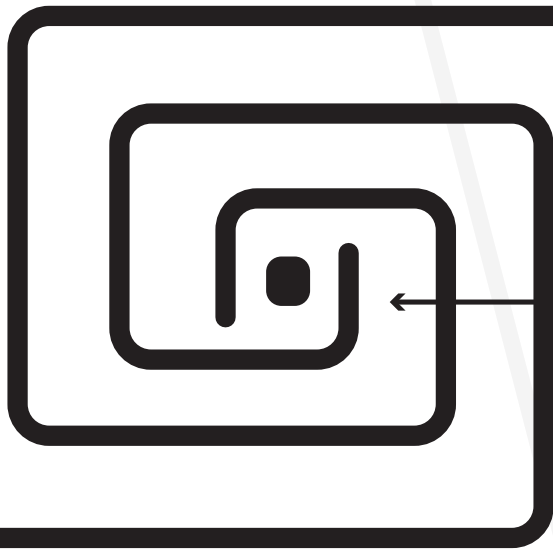
"DIFFERENT YET COHERENT"

GROUP 4

CONCEPT

Wisdom
Calm
Brain

Al Zehimar



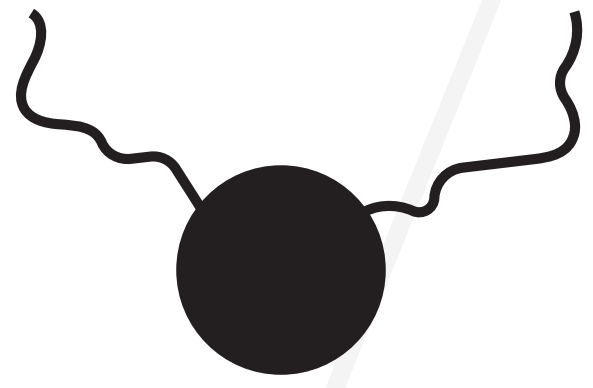
Balance
Heart

Autism

Enthusiastic
Active
Body

Although being so different in needs and atmosphere they would prefer, Studies have showed that Autism and Al Zehimar patients could help each other in their healing process.

Al Zehimar Autism

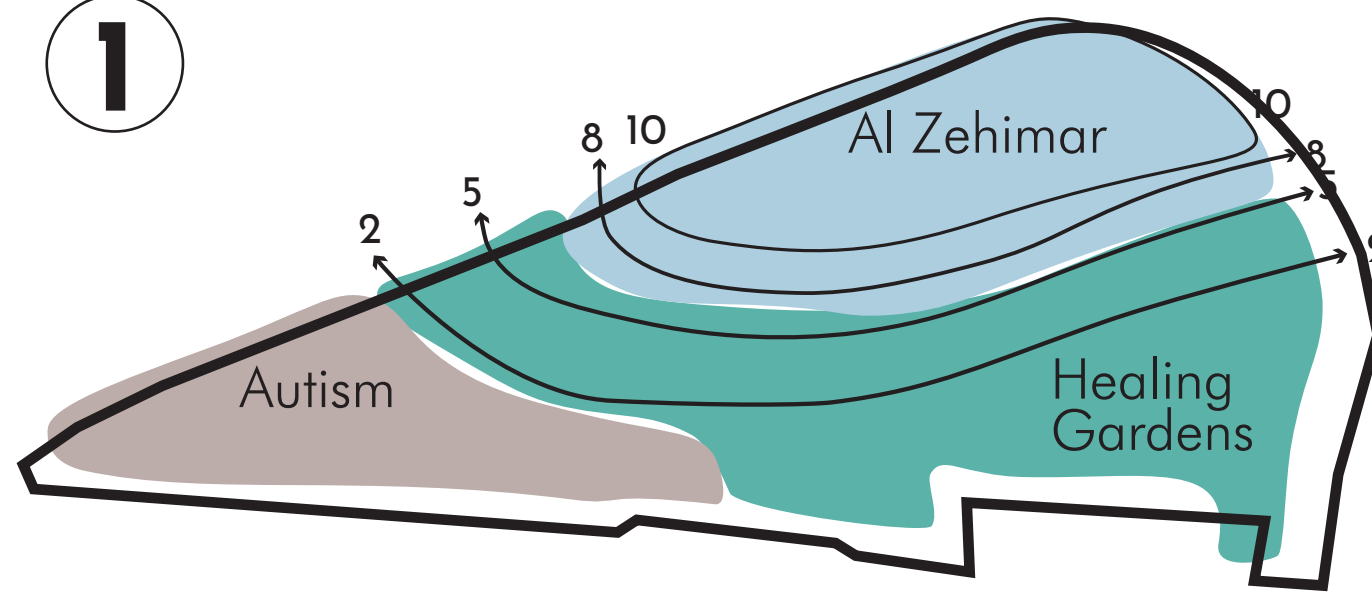


"The Healing gardens connects all by the Horticulture Paths"

Al Zehimar represents brain and Autism represents Body. Their Balance found in Heart, Found in Nature

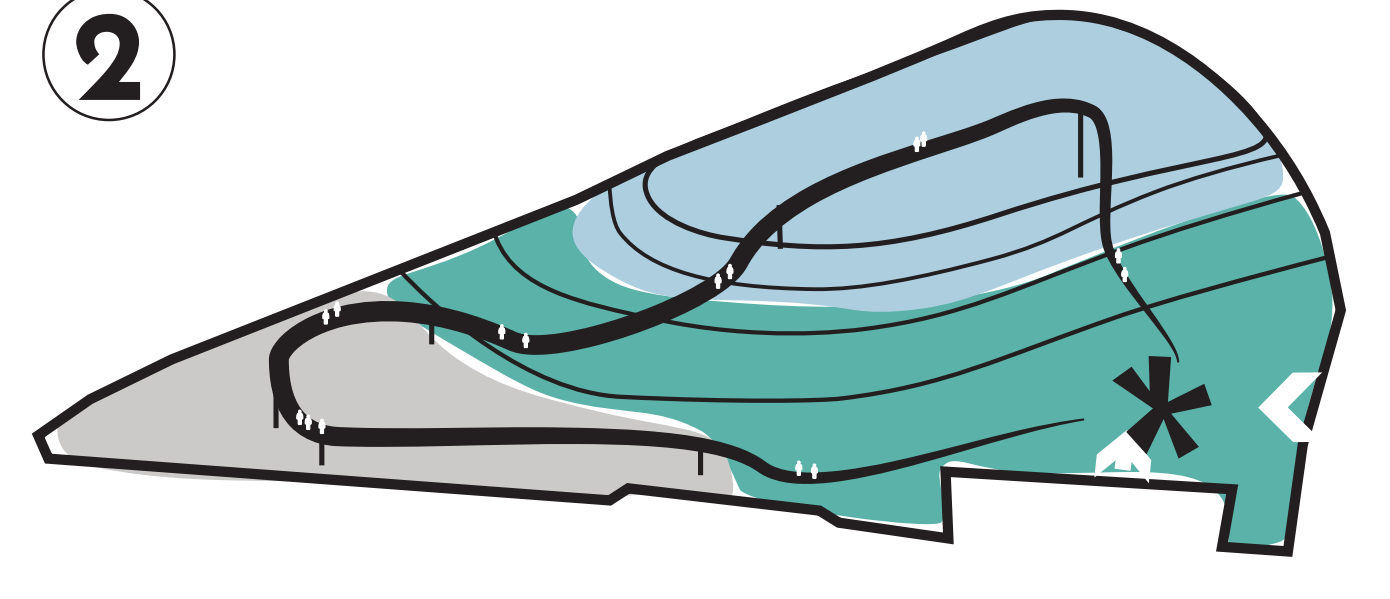
FORM GENERATION

1



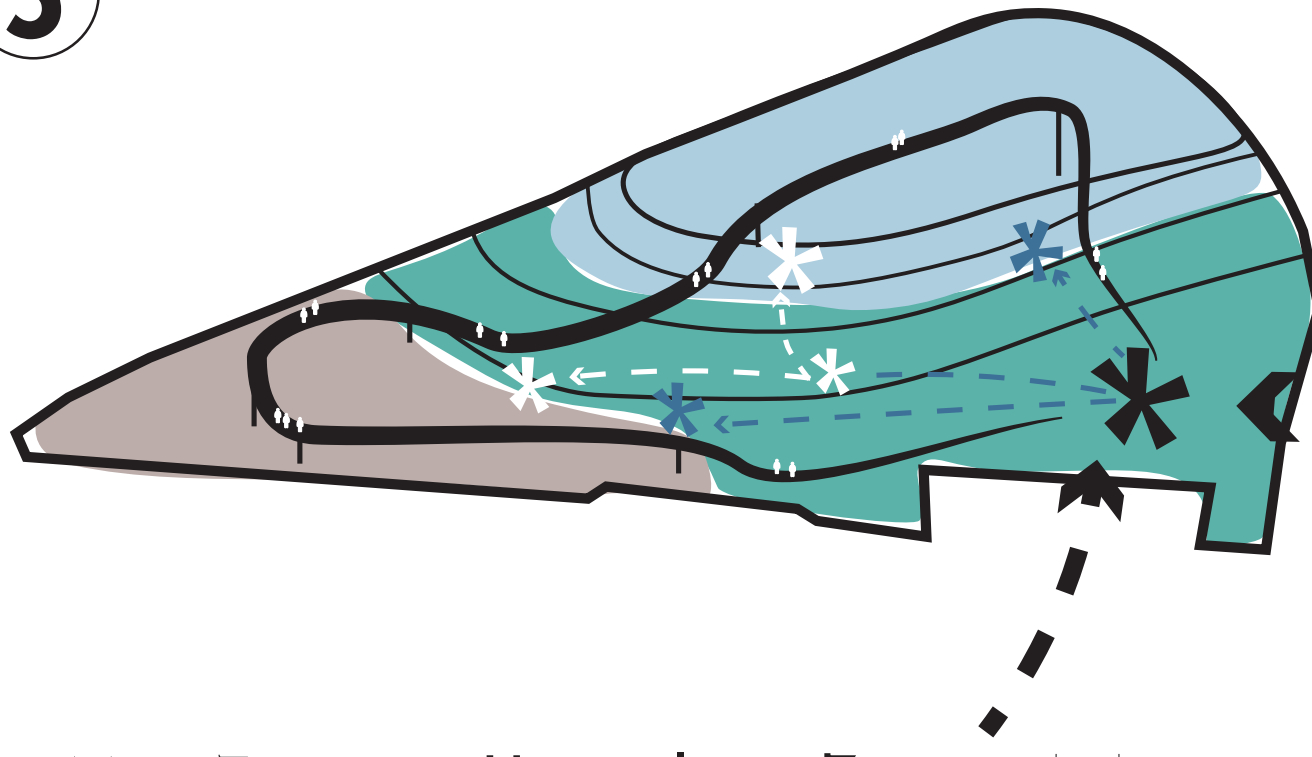
Adding on the Existing Topography to create a quiet area for Al Zehimar with a view, While Autism located downwards for more activities.

2



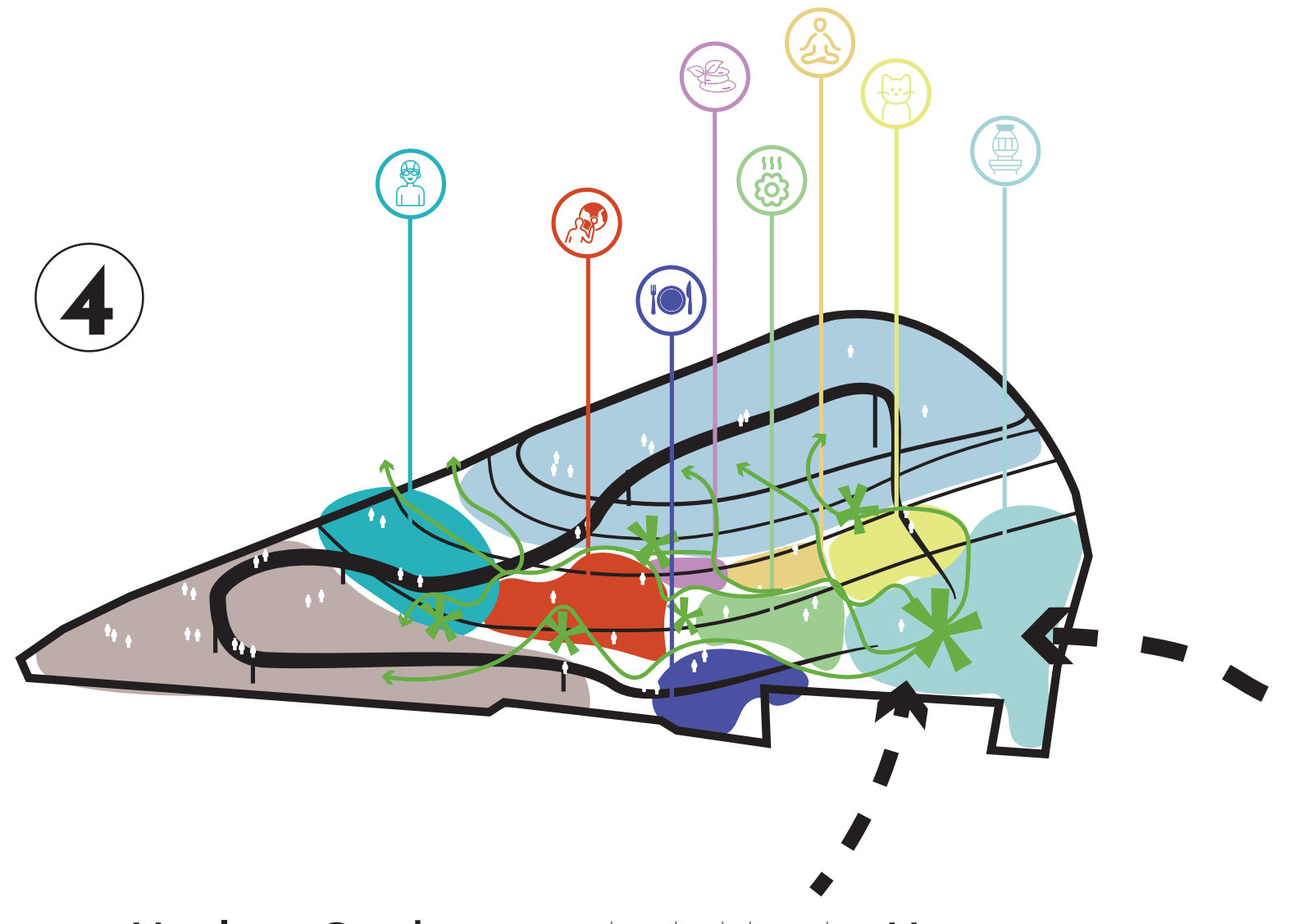
Determining Entrances of the Project, One from the Island, While the other coming from El Maadi. A Bridge Connects the Three zones from the movement of Up & Down.

3



Main Zones are Horticulture Zones, which forms the Main Circulation in the Project.

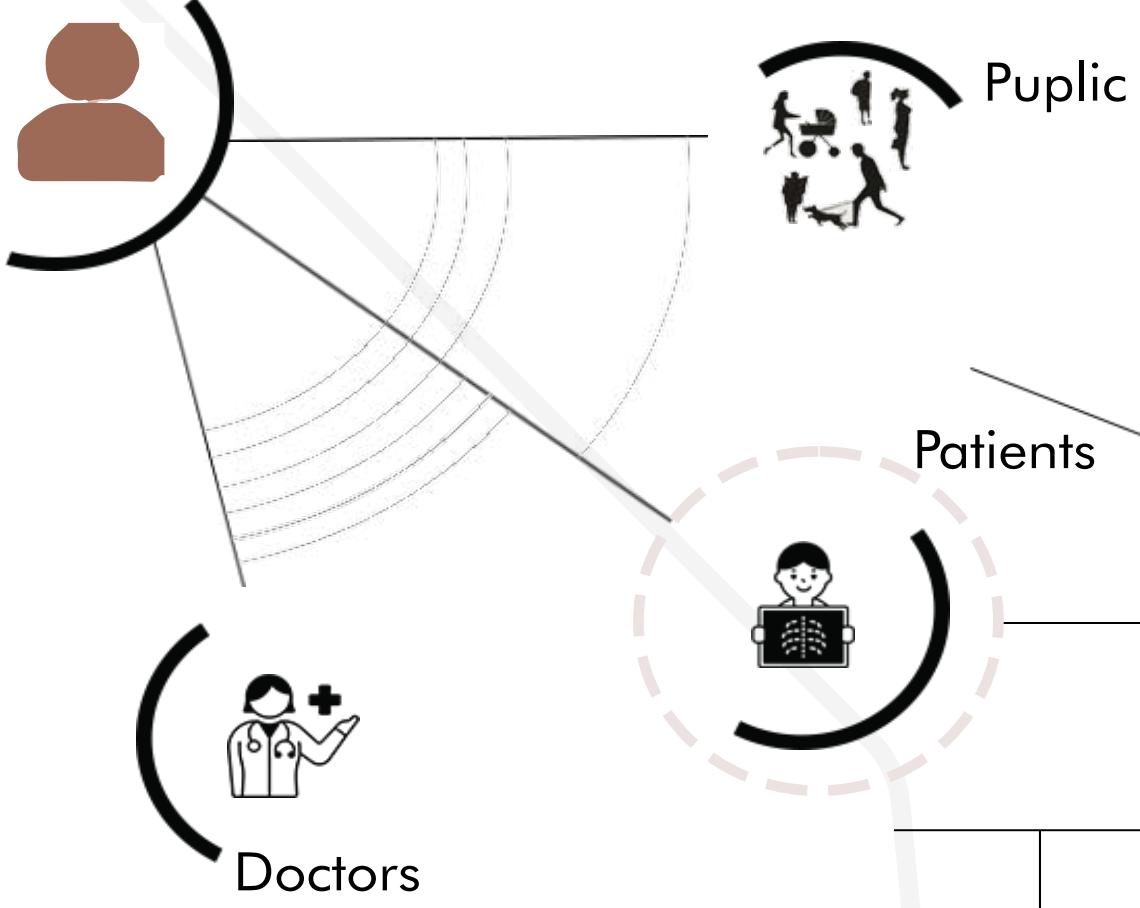
4



Healing Gardens are divided by the Horticulture Radiating Paths through the Project. Different types of Healing Gardens are located, which would help patients in their therapy journey.

USER ANALYSIS

USERS



Hyper Reactive
Needs highly active activities to release Their Power

Hypo- Reactive
Needs quite, relaxing activities
Both Needs less interaction with Strangers

Hyper Reactive
Needs highly active activities to release Their Power

Lost needs enclosure
Design that tends more on helping them working their memory

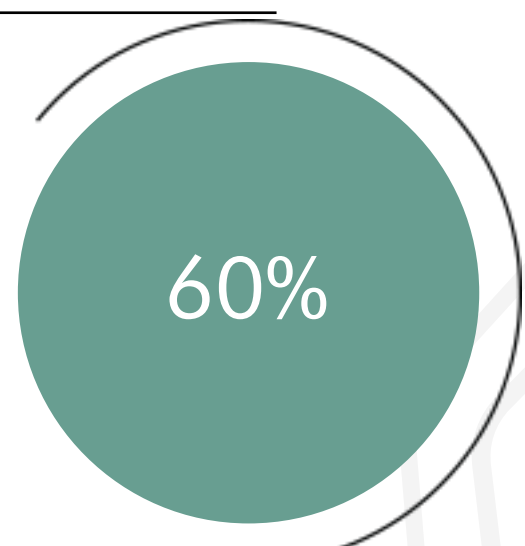
Lost, needs Enclosure
Needs clear design that help them differentiate things easily

OUTDOOR SPACES

19%
Simulation Park with Screens

10%
Aromatic Zone
Birds Zone
Water Features
Amphitheater

2%
Others



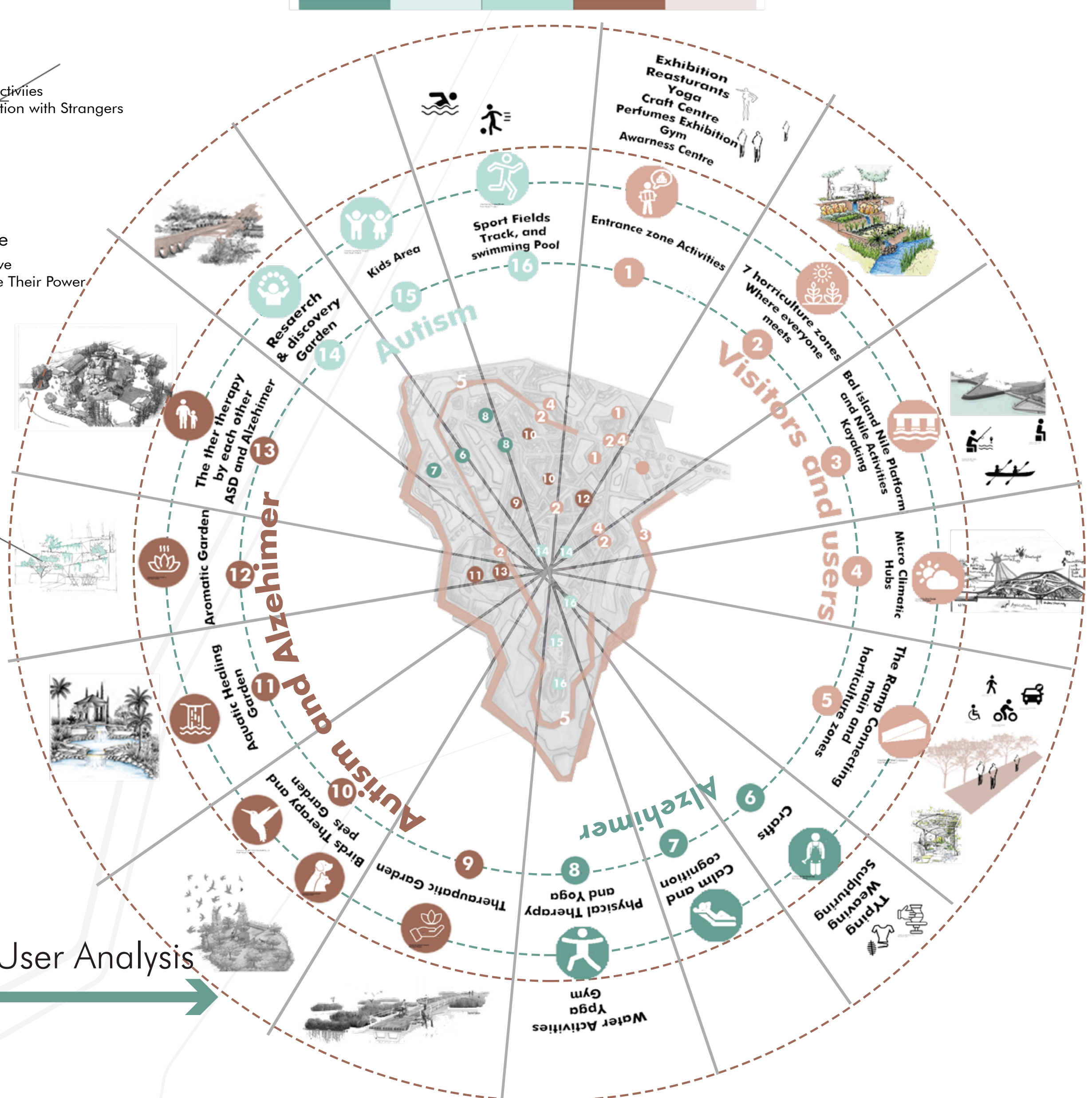
28%
Healing Garden Zone

22%
Sensory Zone

10%
Playground and Outdoor Gym

ACTIVITIES

Activity Wheel



As a Result of the User Analysis

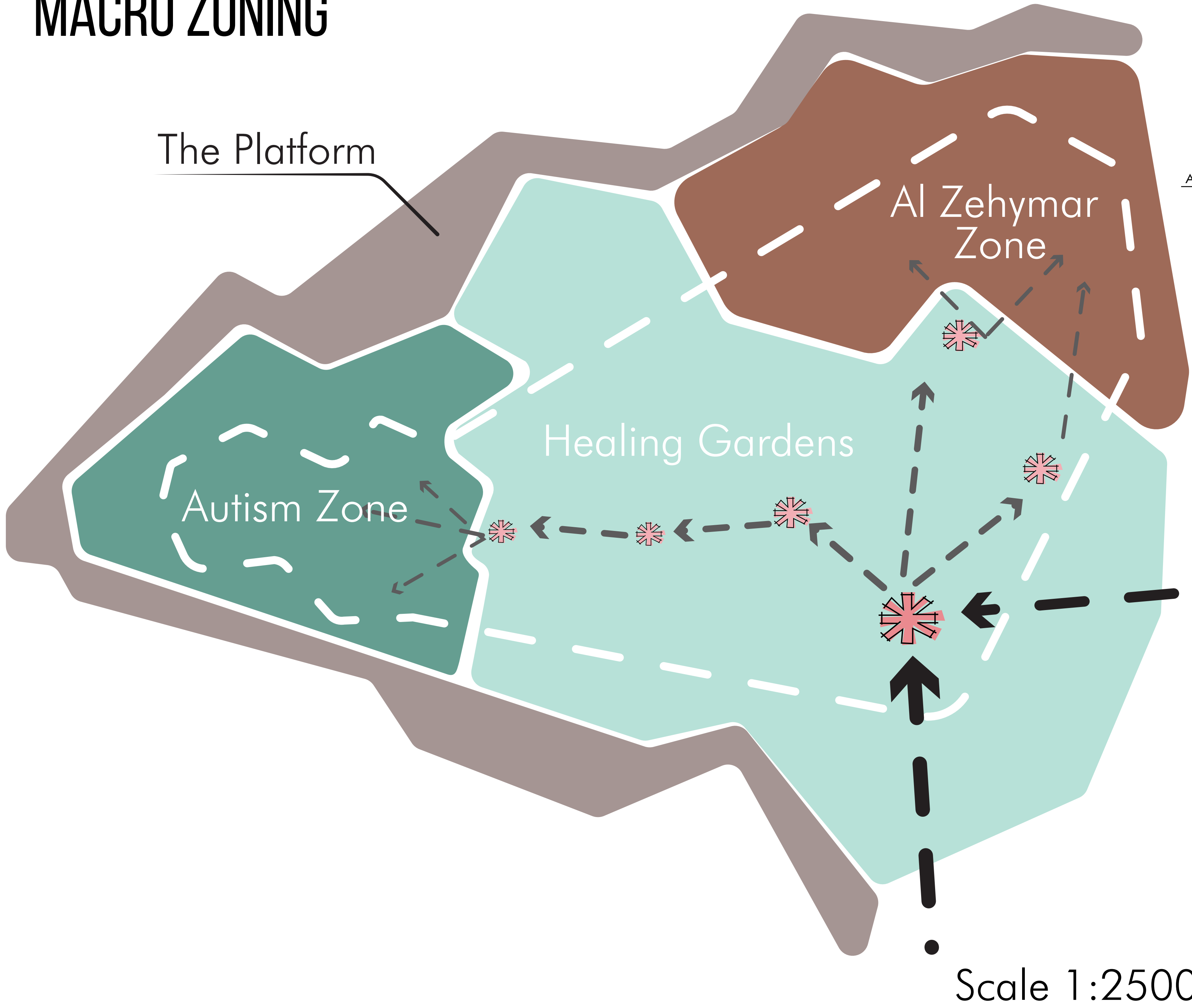


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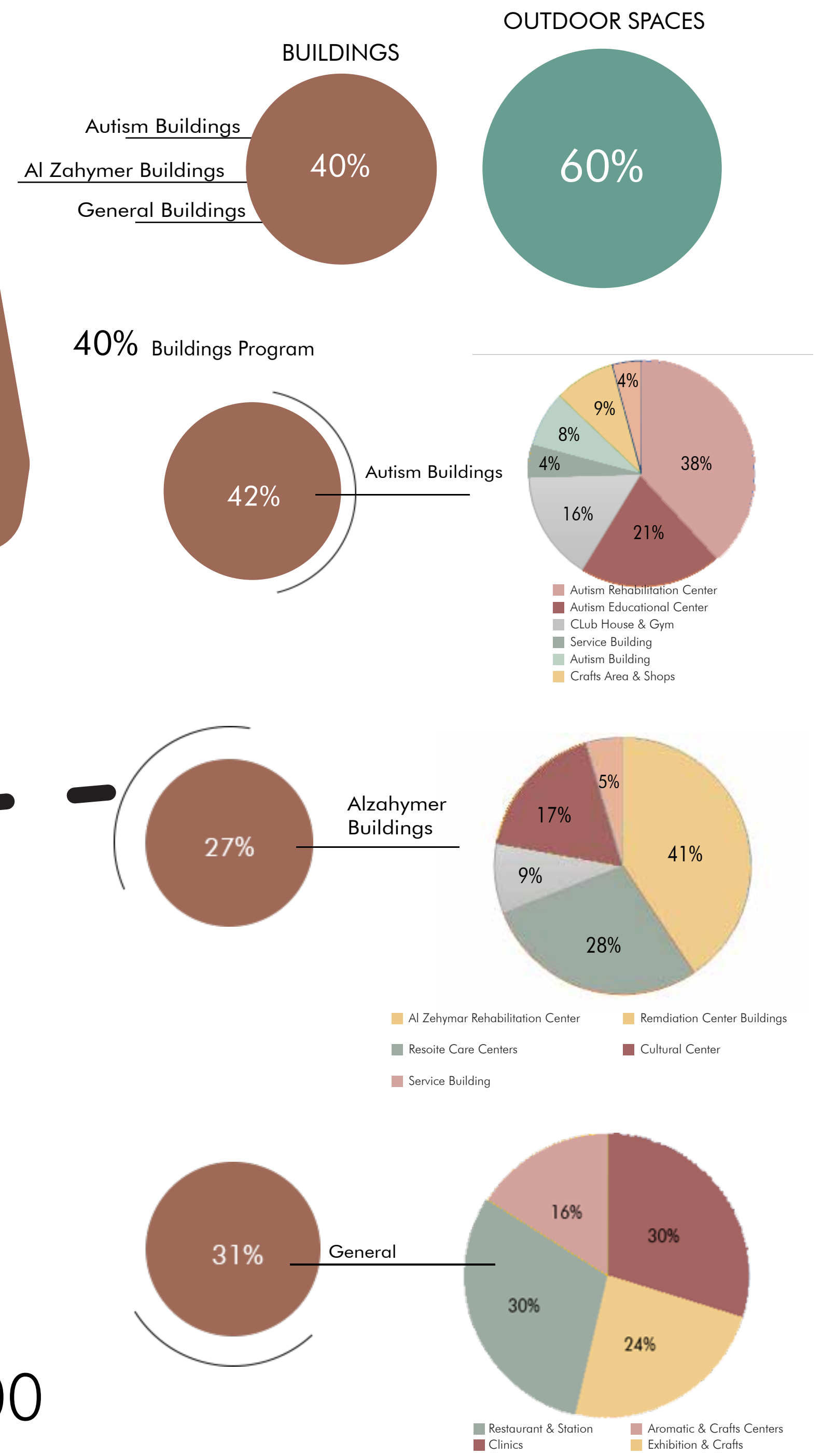
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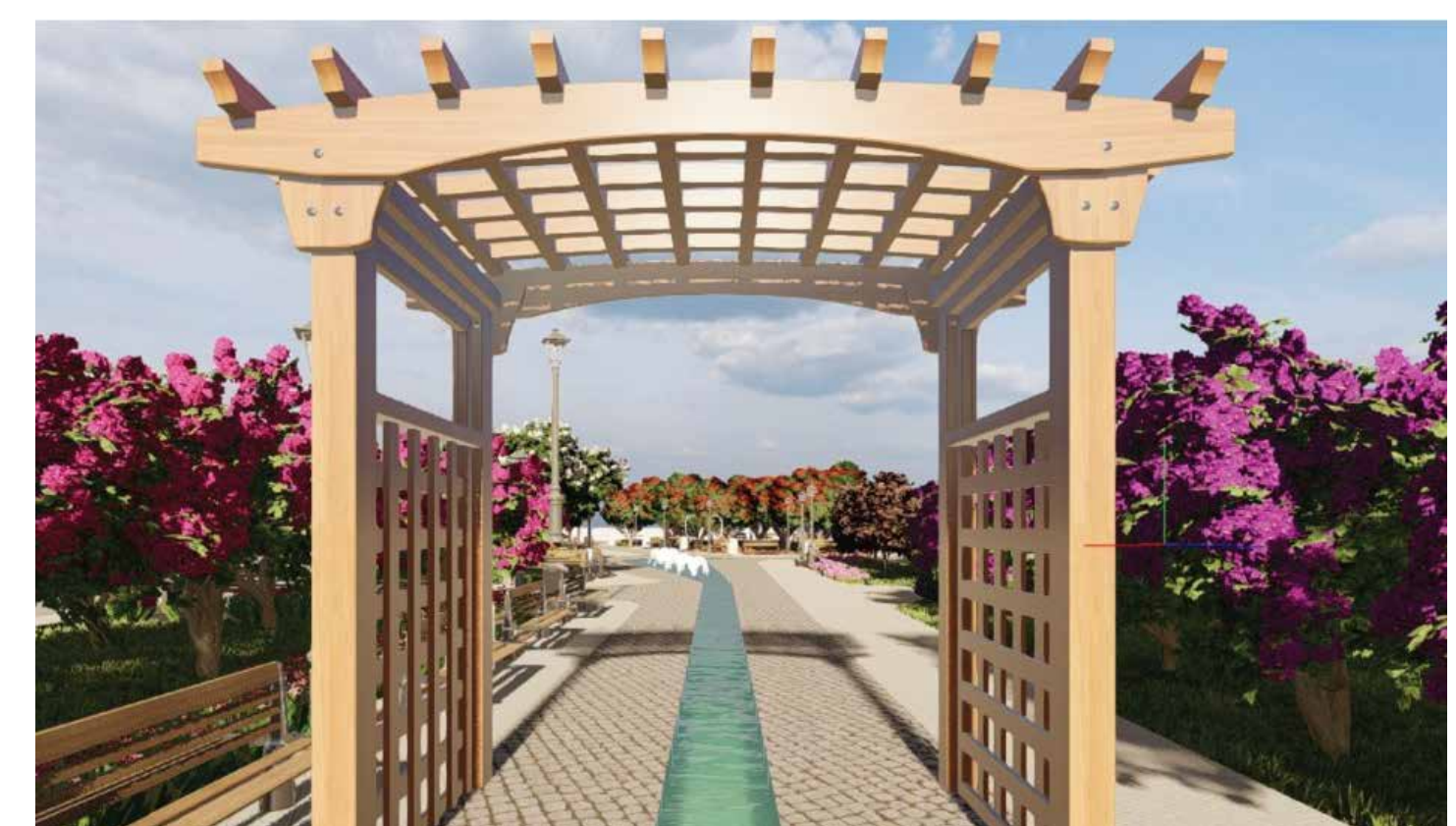
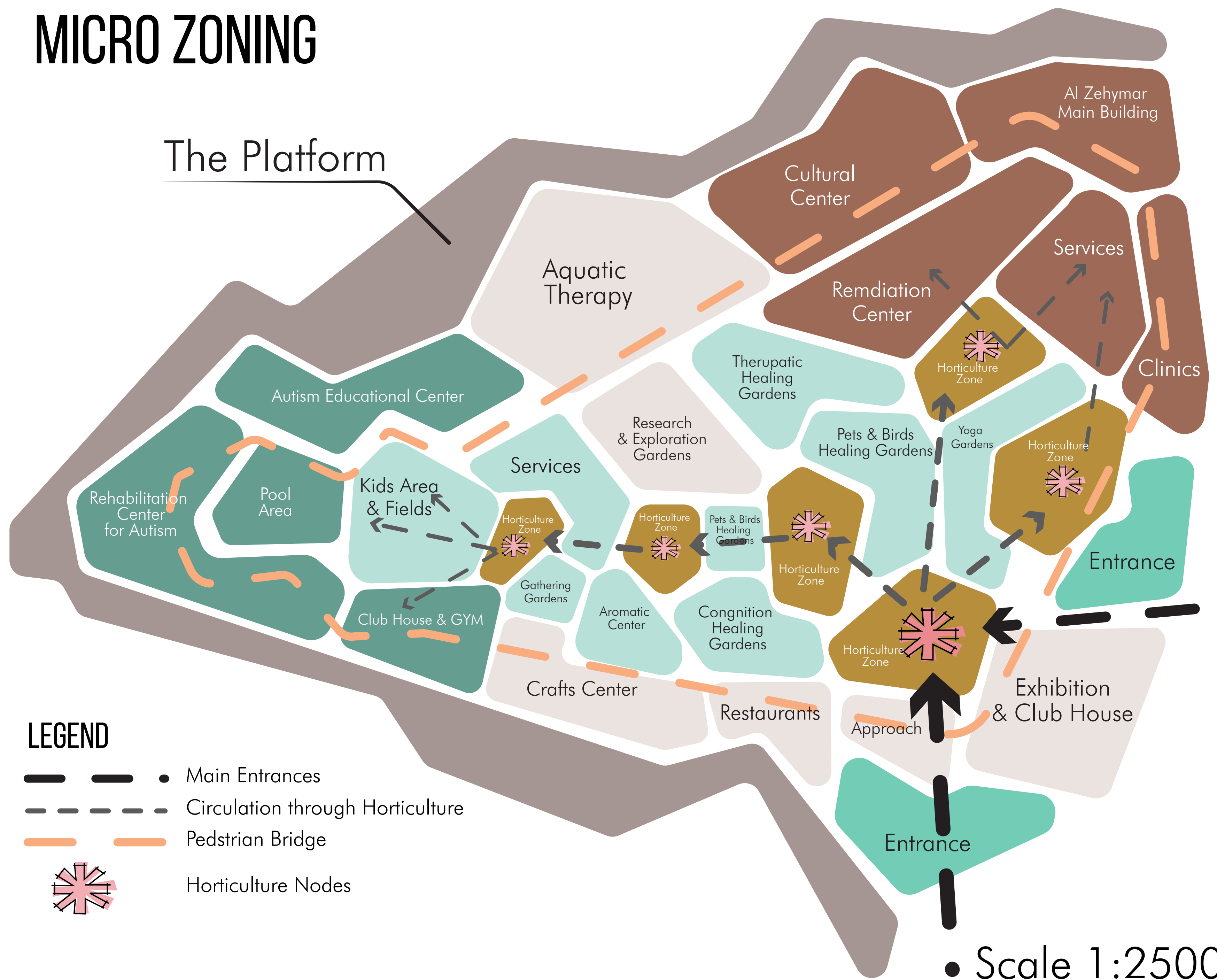
MACRO ZONING

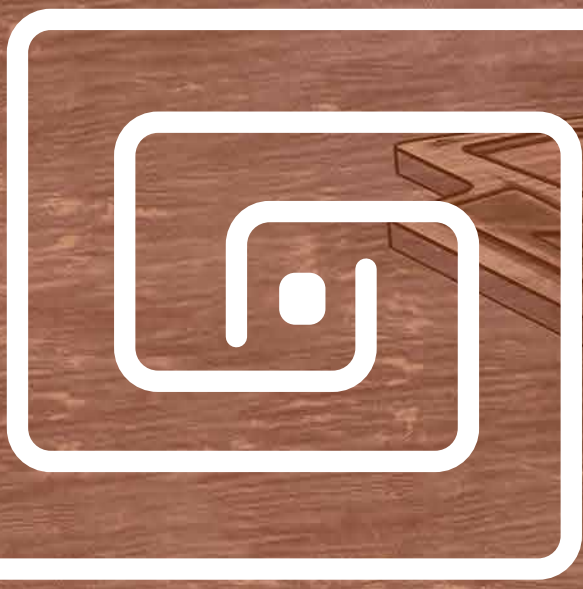


PROJECT PROGRAM



MICRO ZONING





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GROUP 4



LAYOUT

Scale 1:1000



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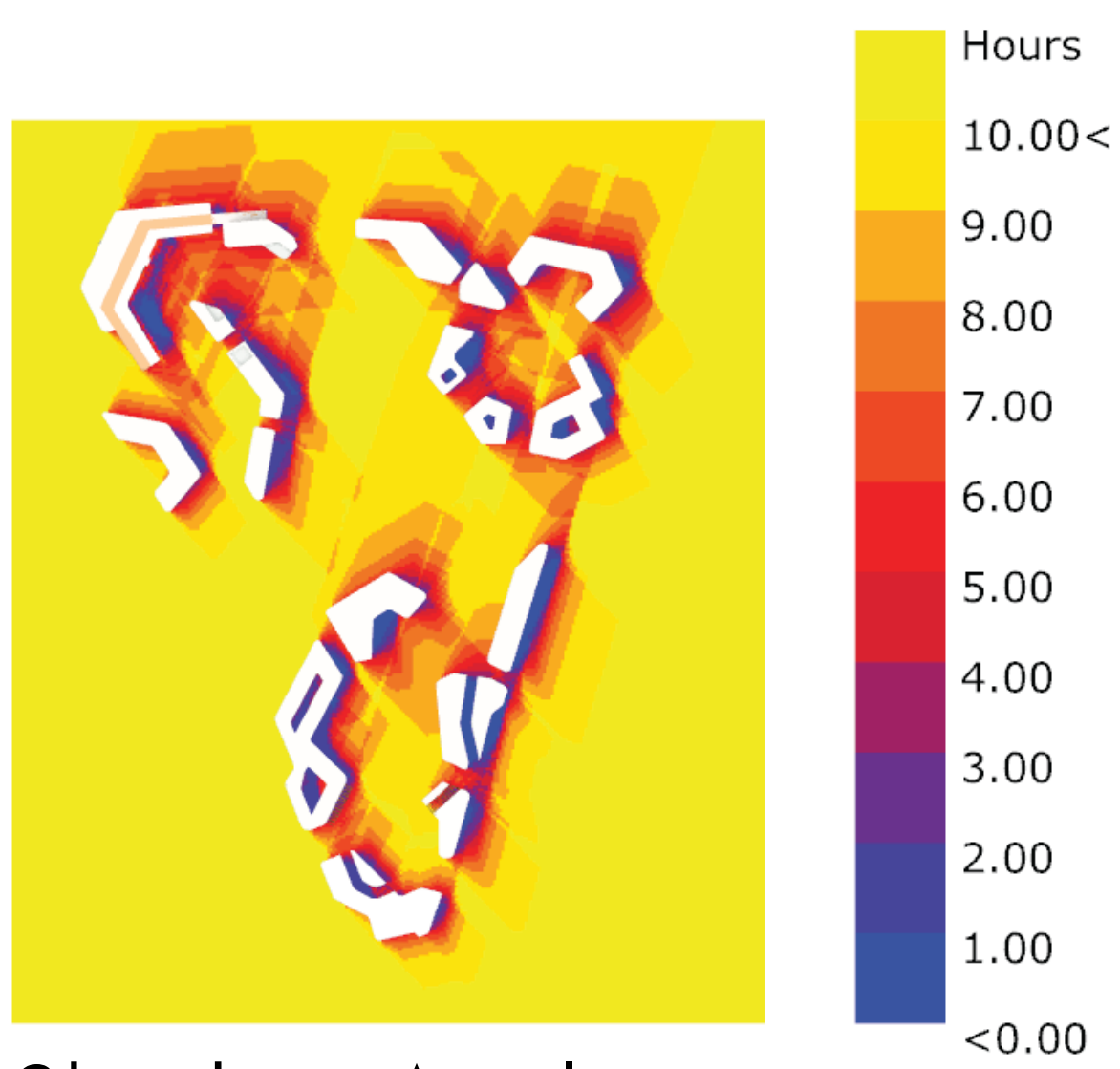
GROUP 4

BLOW UP



Blow Up 1:500

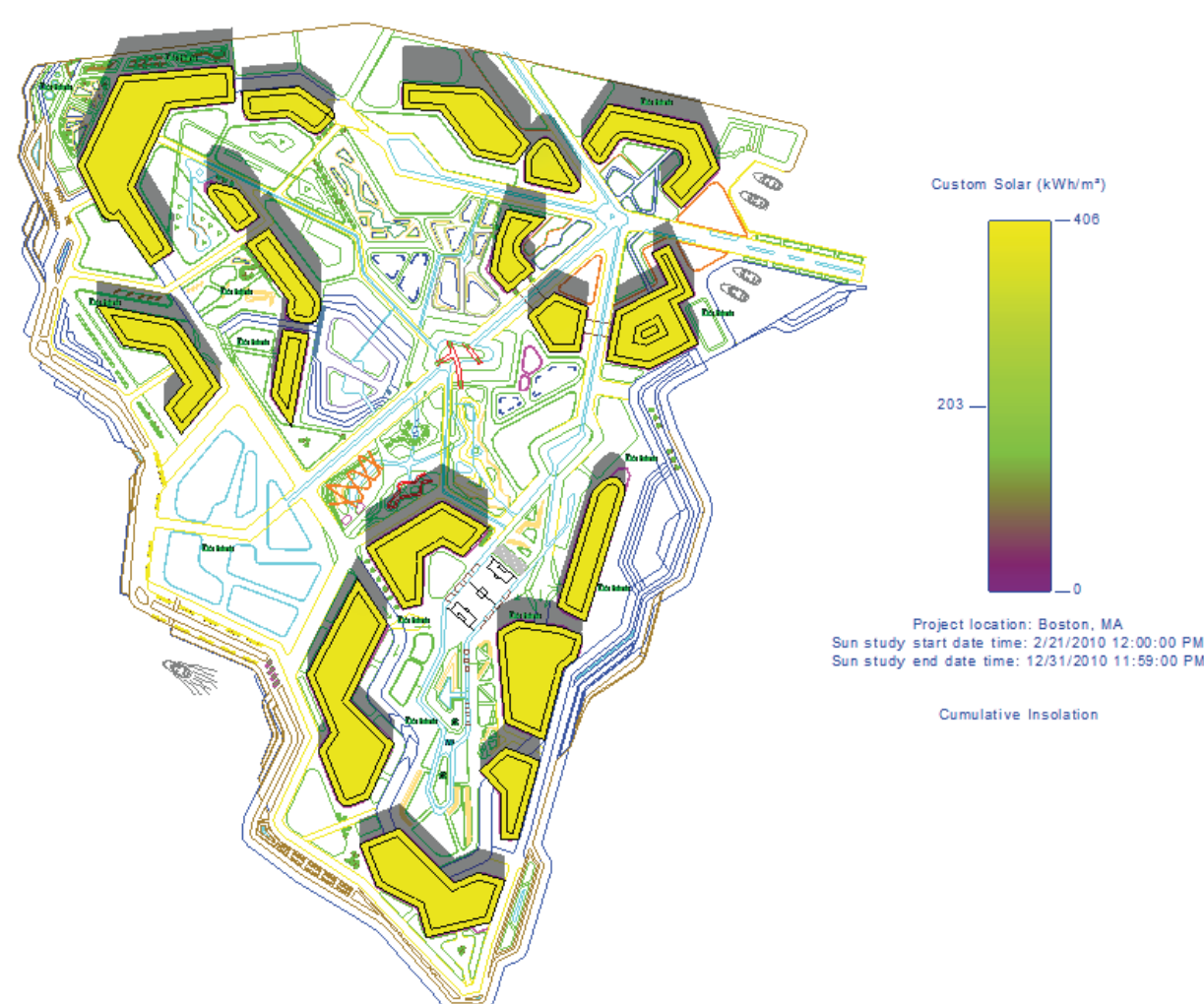
ENVIRONMENTAL STUDIES



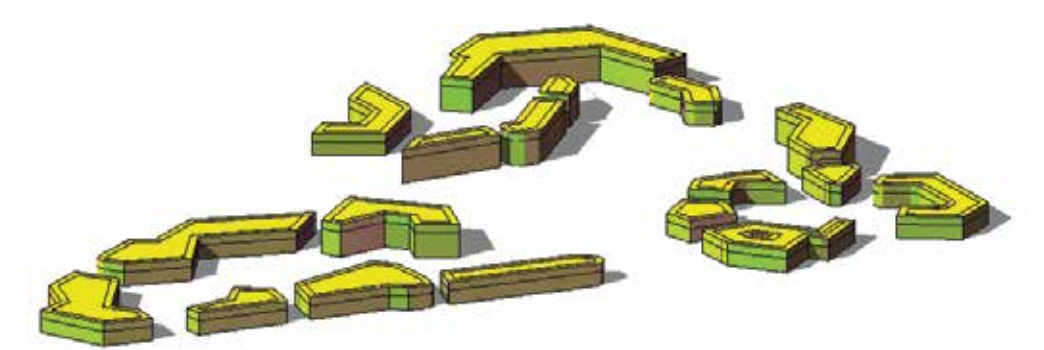
Shadow Analysis

CONCLUSION:

Shadow range analysis shows that shaded areas by trees are appropriate (Healing Gardens).



Solar Insolation Analysis



CONCLUSION:

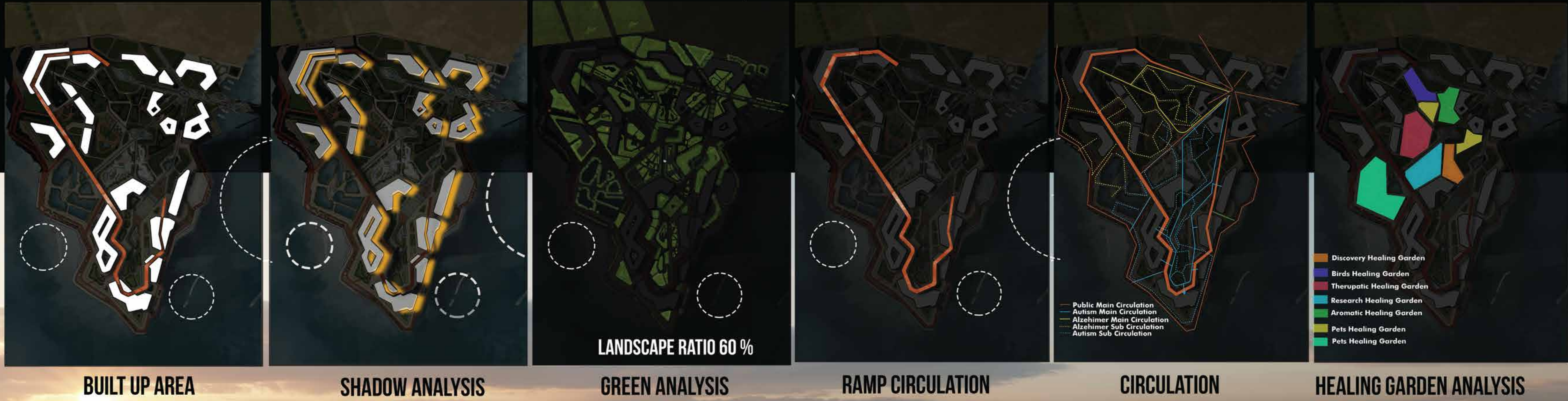
Facades and roofs with high exposure would have green roofs and green walls to minimize heat gain.



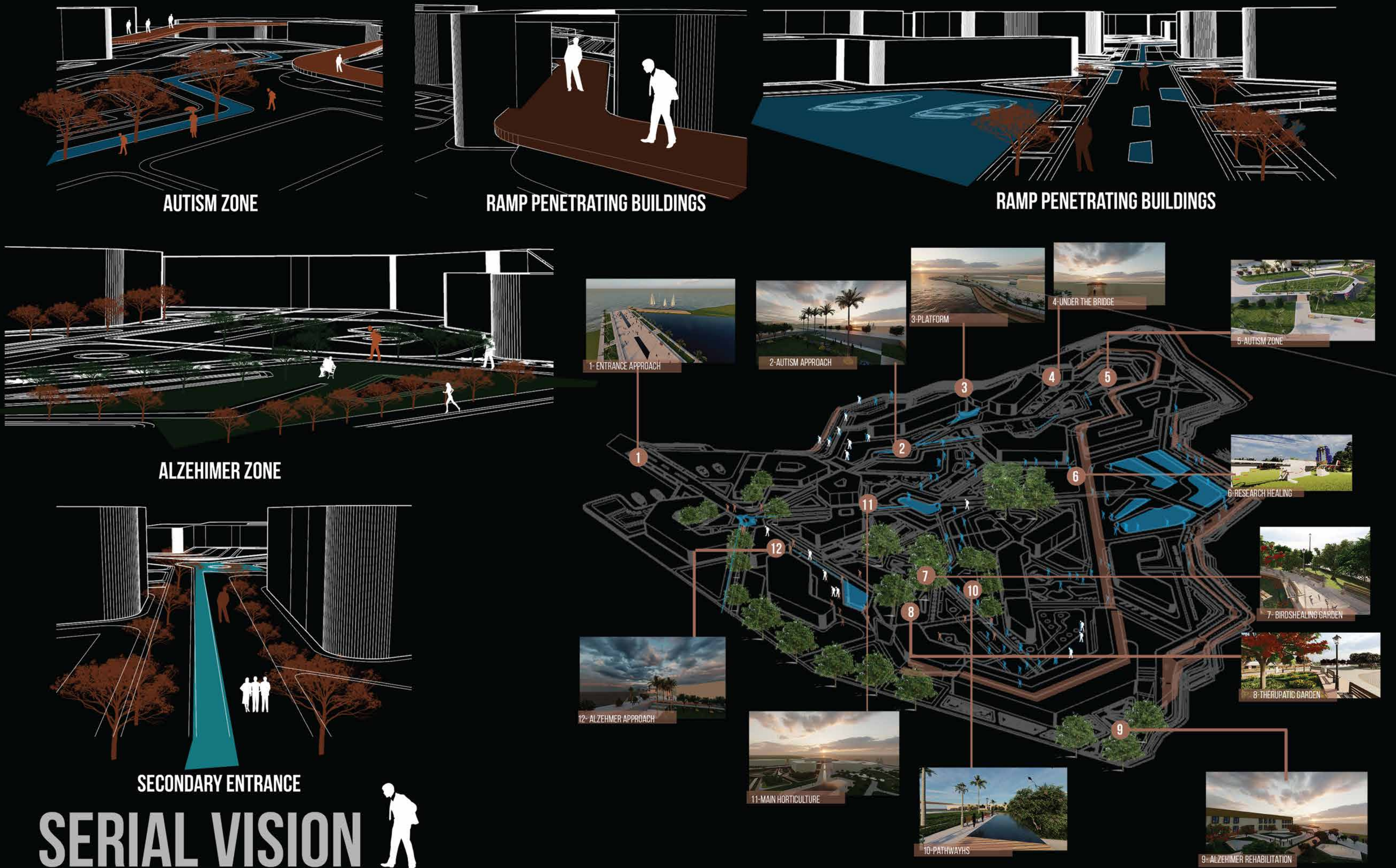
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BAL ISLAND PLATFORM





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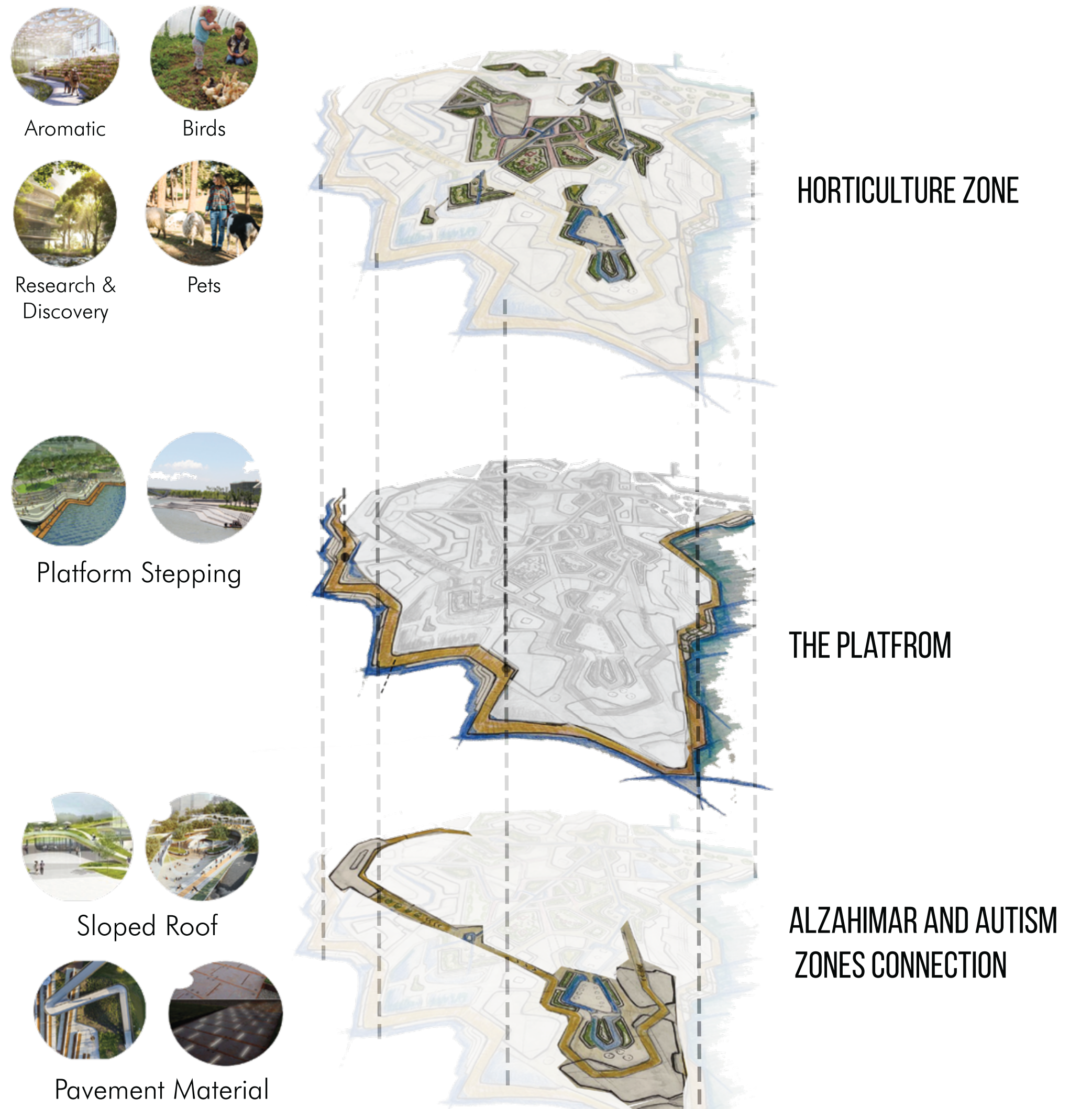
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MODEL SHOTS



LAYOUT ZONES LAYERS



LAYOUT NETWORKS

PLATFORM

GREEN NETWORK

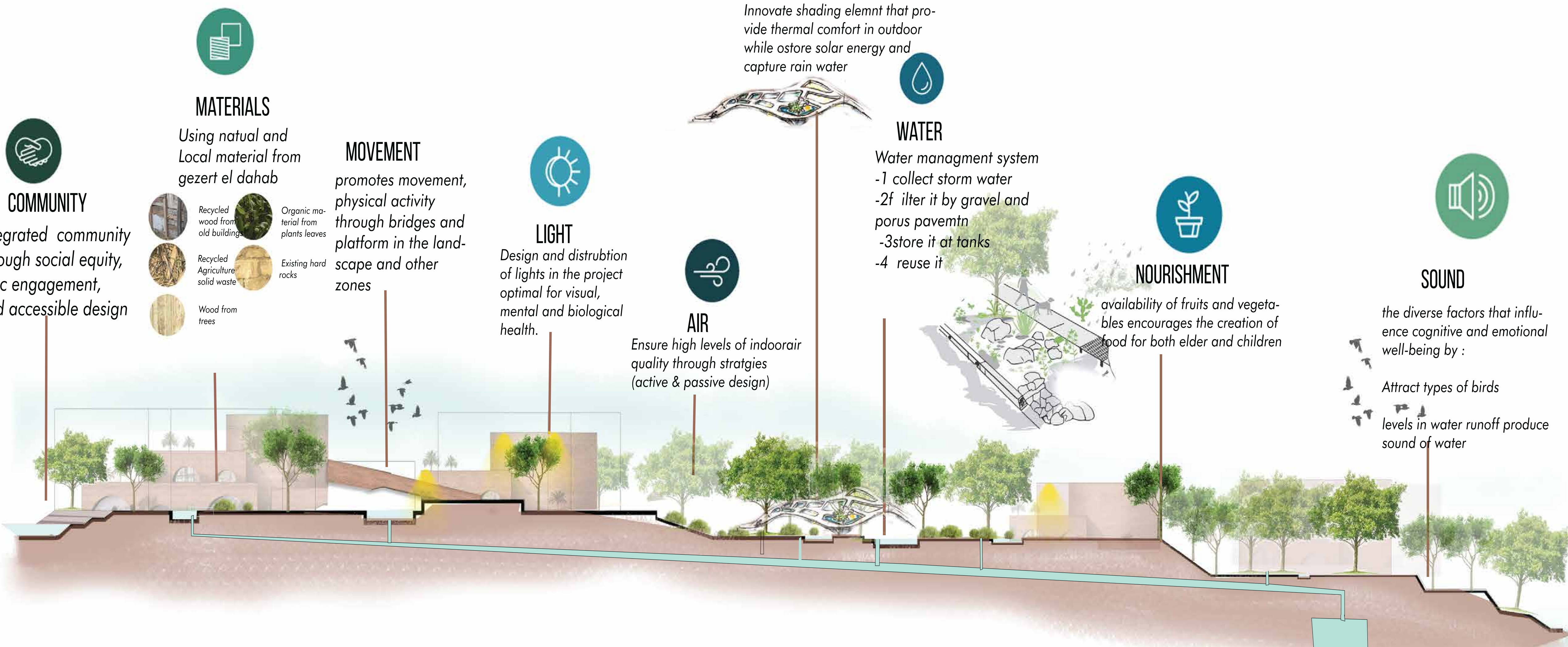
WATER NETWORK

SOLID AND VOID

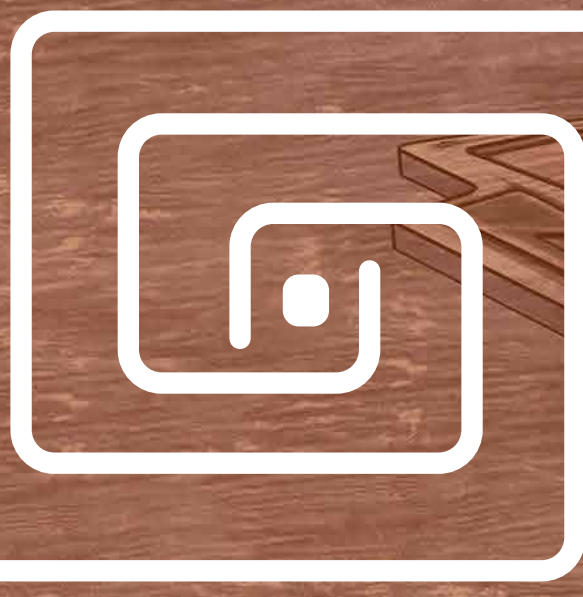
HORTICULTURE ZONES



SECTION ENVIRONMENTAL STRATEGIES + WELL RATING SYSTEM CHECKLIST



Urban Section A-A


















BAL ISLAND

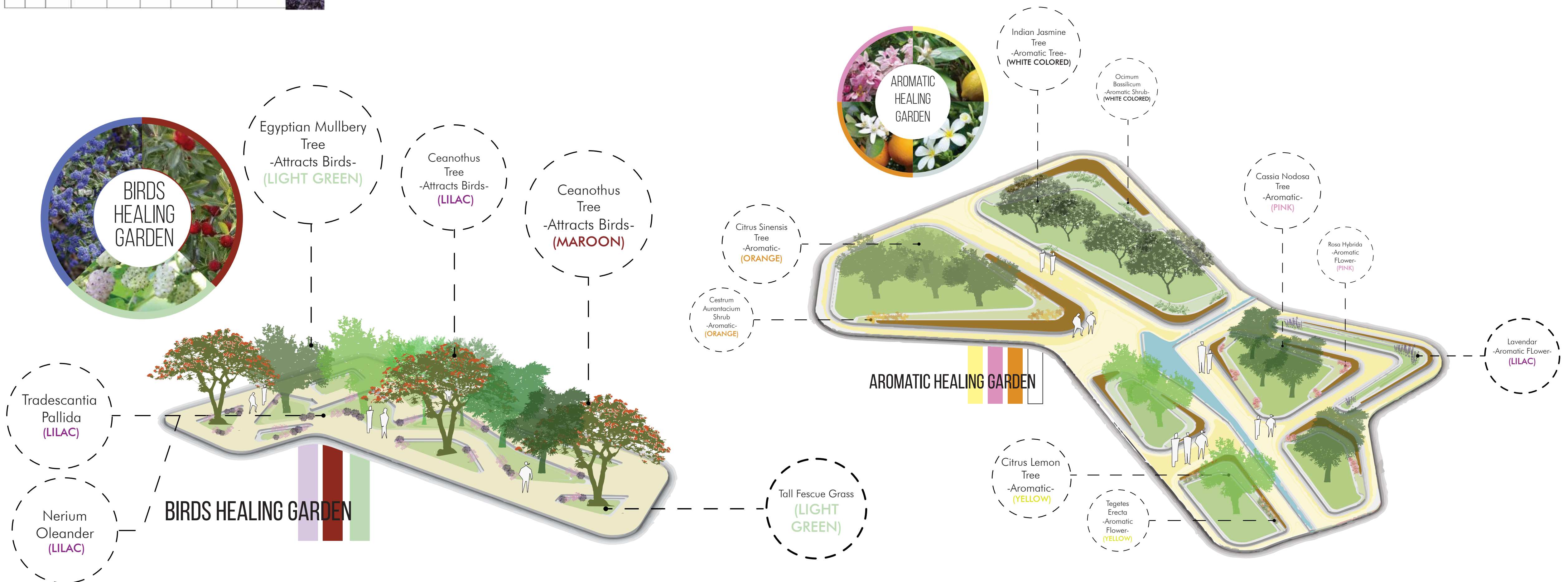
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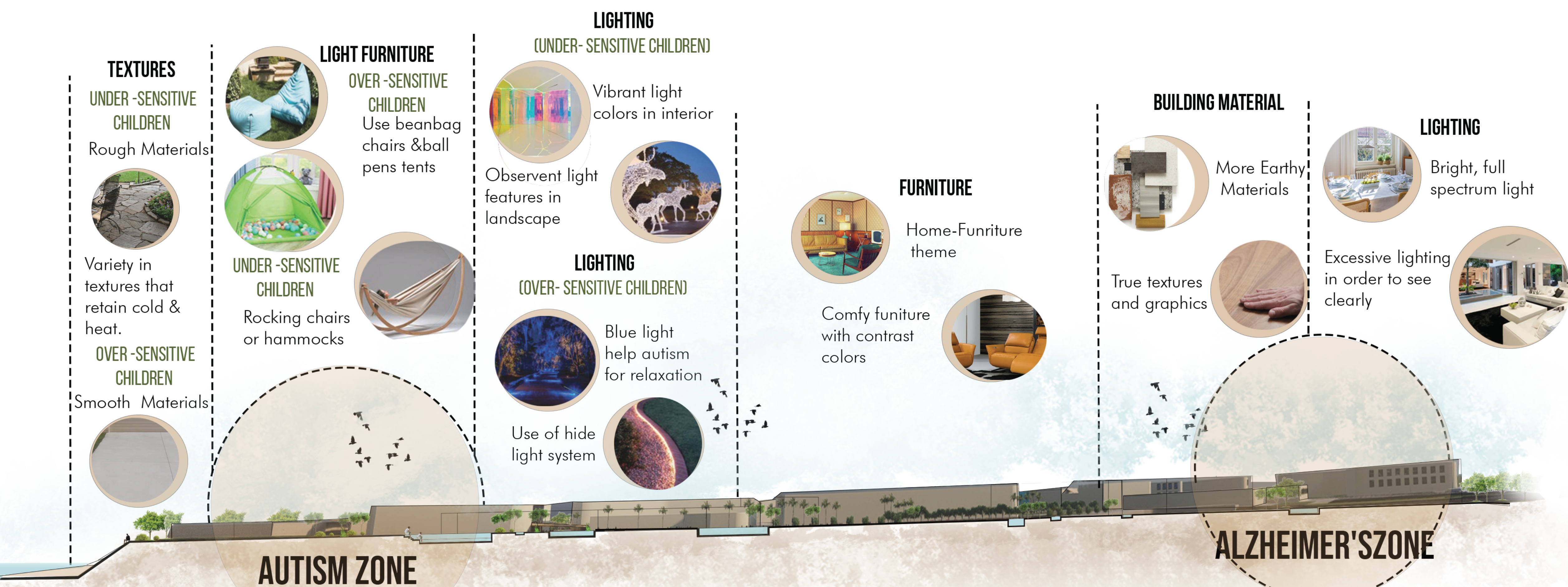
PLANTATIONS

Trees	15	Weeping Fig	Ficus Benjamina	Evergreen	Height: 6-30m Canopy Foliage Radius: 7.5 m	40-50 liters/day	Used in food court area for its purifier and for street	
Trees	10	Smooth Cypress	Cupressus Macrocarpa	Evergreen	Height: 10-12m Canopy Foliage Radius: 4.5m	40-50 liters/day	Used as a buffer zone for administrative area	
Trees	3	Hawaiian Ficus Benjamina	Ficus Hawaii	Evergreen	Height: 25 m Canopy Foliage Radius: 4.5m	60-80 liters/day	Very spreading tree used for extreme shading in corners	
Shrubs		Golden Dewdrop	Duranta	Evergreen	Height: 2-3m Flower: Blue Foliage Radius: 0.5-0.75 cm	10-15 liters/day	Hedged around Sol party Golden dewdrop With Blue Racemes Bloom repeatedly Spring and Summer	
Shrubs		Dusty Miller	Senecio Cineraria	Evergreen	Height: 50-80 cm Flower: Yellow Foliage Radius: 30cm	10-15 liters/day	Used as borders Trees area and Around landmark Borders for Land cover	
Shrubs		Barbados Pride	Ceanothus Gilliesii	Deciduous	Height: 3m Flower: Blue Foliage Radius: 0.75-1m	10-15 liters/day	Used as clusters in restaurant area And walkways	
Shrubs		Lavender	Lavandula Angustifolia	Evergreen	Height: 80 cm Flower: Purple Foliage Radius: 30-40 cm	10-15 liters/day	Used in study area for stress relief	
Ground Cover		Gazania	Gazania	Evergreen	Height: 30-40 cm Flower: Yellow Foliage Radius: 30cm	8-10 liters/day	Weeping ground cover with orange color flower Hedged by dusty miller in passage Ways and landmarks	
Ground Cover		Wedelia	Wedelia	Evergreen	Height: 0.5-1 m Flower: Yellow Foliage Radius: 0.5-1 m	8-10 liters/day	Dry shaded area in the colder beside side	
Ground Cover		Mountain Euryops	Euryops Acraeus	Evergreen	Height: 10-5 cm Flower: Yellow Foliage Radius: 5-25 cm	8-10 liters/day	Garden bed in Pathways	
Ground Cover		Verbena	Verbena hybrida	Evergreen	Height: 30-60 cm Flower: Various Foliage Radius: 30-40 cm	8-10 liters/day	Dry shaded area in the colder beside side	
Ground Cover		Alternanthera	Alternanthera speciosa	Evergreen	Height: 30-50 cm Flower: Maroon color Foliage Radius: 15 cm	8-10 liters/day	Used with dusty miller as a border for land cover	

Trees	10	Fan Palm/ Dwarf Fan Palm	Humilis	Evergreen	Height: 10-15m Canopy Foliage Radius: 5-6 m	60-80 liters/day	Landmark - Multi Trunk - Properties: Leaves: Pinnate Grey Green 60-90 cm -Fast Growth Rate	
Trees	15	Cassia Glauca	Cassia Glauca	Evergreen	Height: 10-15m Canopy Foliage Radius: 5-6 m	60-80 liters/day	Planted on both Sides of the Passage way -Spreading	
Trees	15	Green Ebony	Jacaranda	Deciduous	Height: 10-15m Canopy Foliage Radius: 3.5-5 m	60-80 liters/day	Used in passage Ways	



URBAN SECTION + HARDSCAPE ANALYSIS



Urban Section B-B