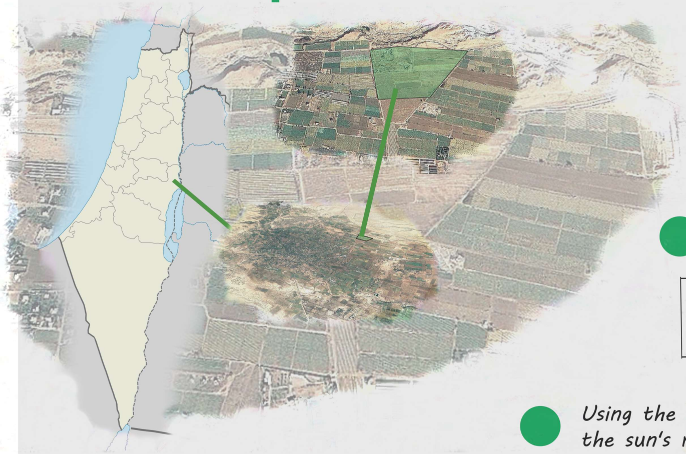
# ECO-HOTEL

Rawan Jumaa

## Site Selection



## Concept Sheet

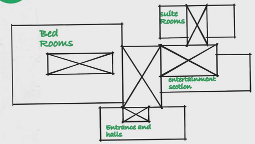
### Eco - Hotel

- The Site & its Climate.
  - The desert climate in Jericho
- The Culture in this Site.
  - Traditional "mud architecture"

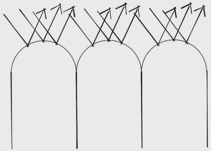
### The Concept:-

Following the traditional style of building in Jericho, which is building with mud, and applying several strategies to address the climate in Jericho according to what is appropriate for that area.

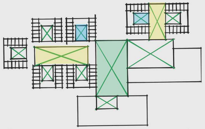
● Using the courtyards:


Bed Rooms
suite Rooms
entertainment section
Entrance and halls

● Using the domes and gabled roofs to deflect the sun's rays.

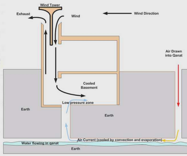


● Pheasant in Privacy:



● Using clay in construction because it is a local building material and is highly effective in heat insulation.

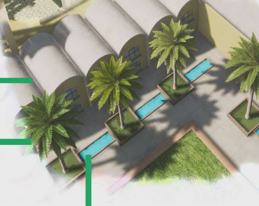
● Wind Tower:


Wind Tower
Exhaust
Wind
Wind Direction
Air Drawn into Qanat
Cooled Basement
Low pressure zone
Earth
Earth
Air Current (cooled by convection and evaporation)
Water flowing in qanat
Earth

● Shading:

-Prominent arches to shade the facades.

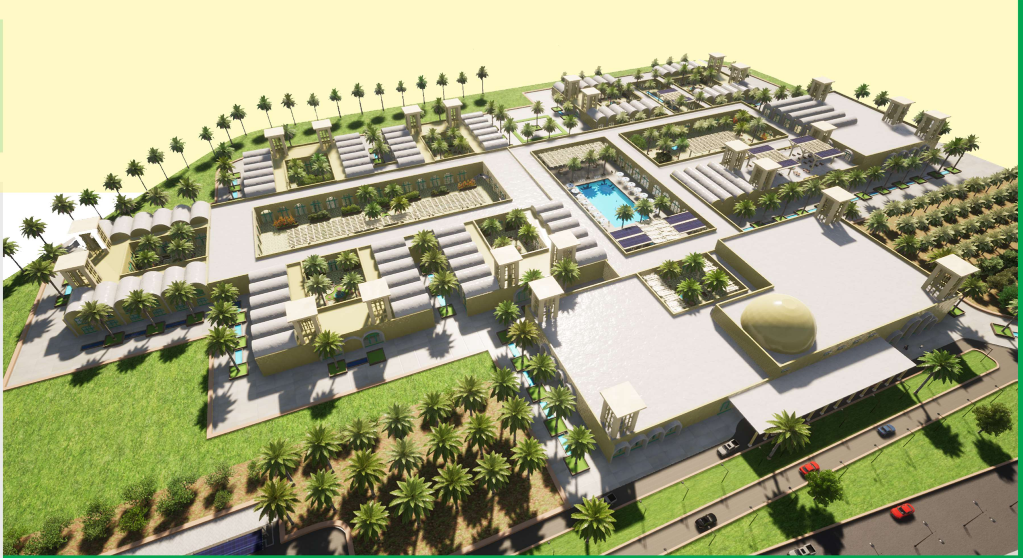
-Pergola to shade the courtyards.



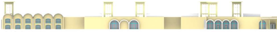
● Cool Roof

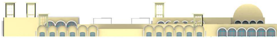
Palm trees

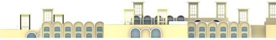
Water Elements

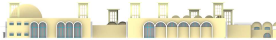


## Elevations

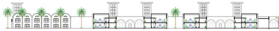

North Elevation

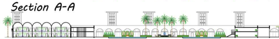

South Elevation


East Elevation


West Elevation

## Sections


Section A-A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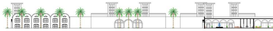
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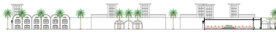
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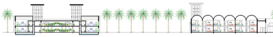
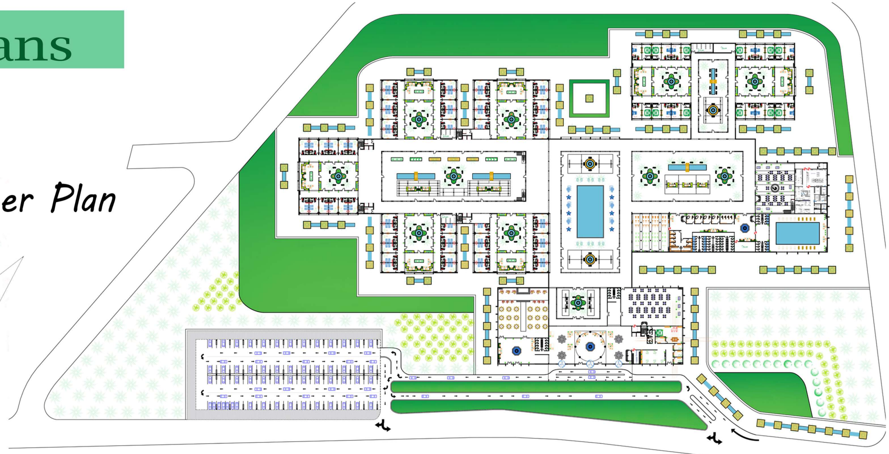
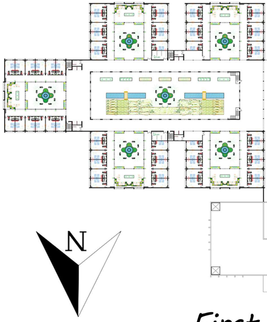

Section E-E

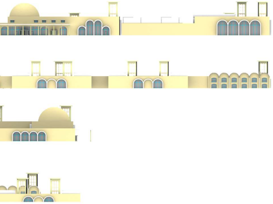
## Plans

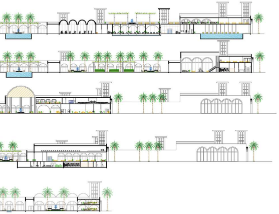


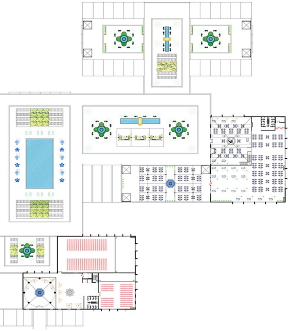
Master Plan



First

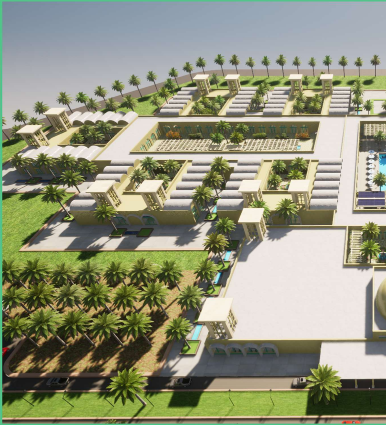




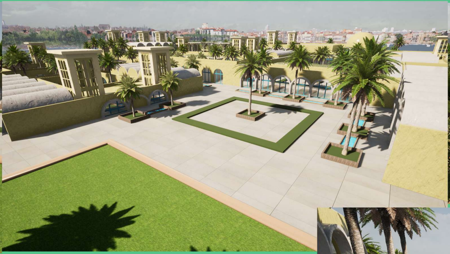


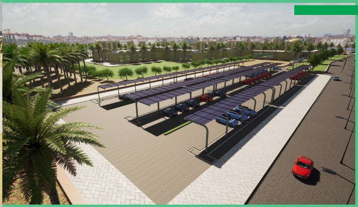
## Floor Plan

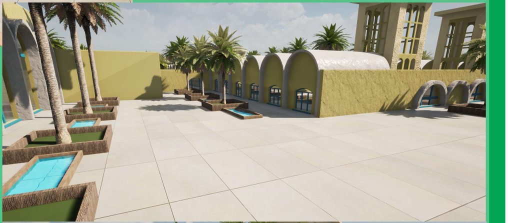
# Exterior Shots

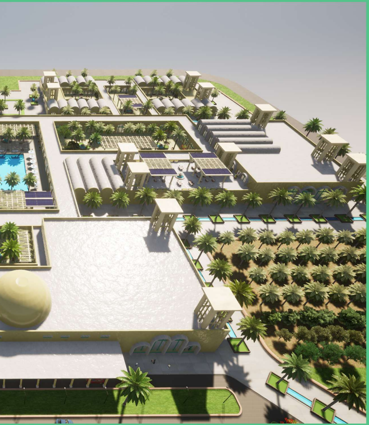


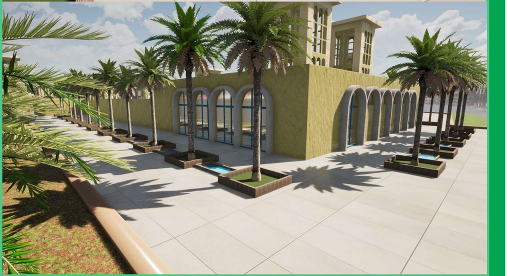
# Courtyards S

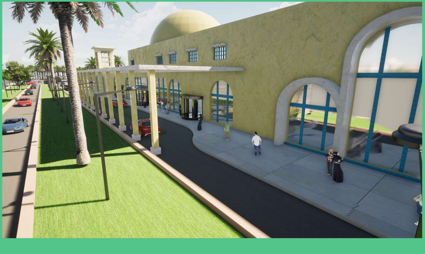


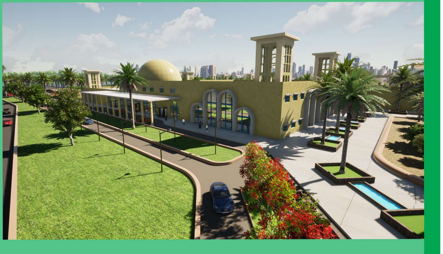


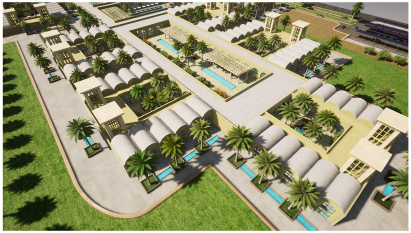


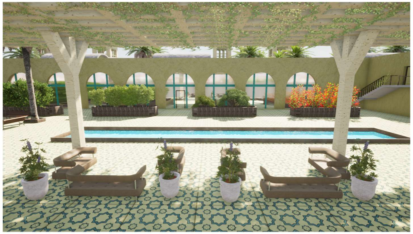


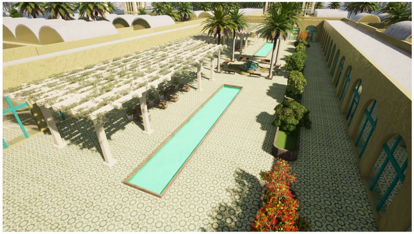


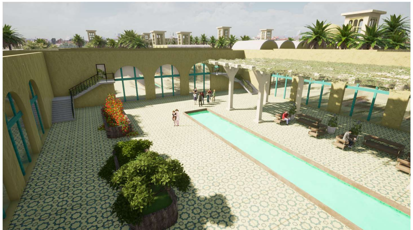




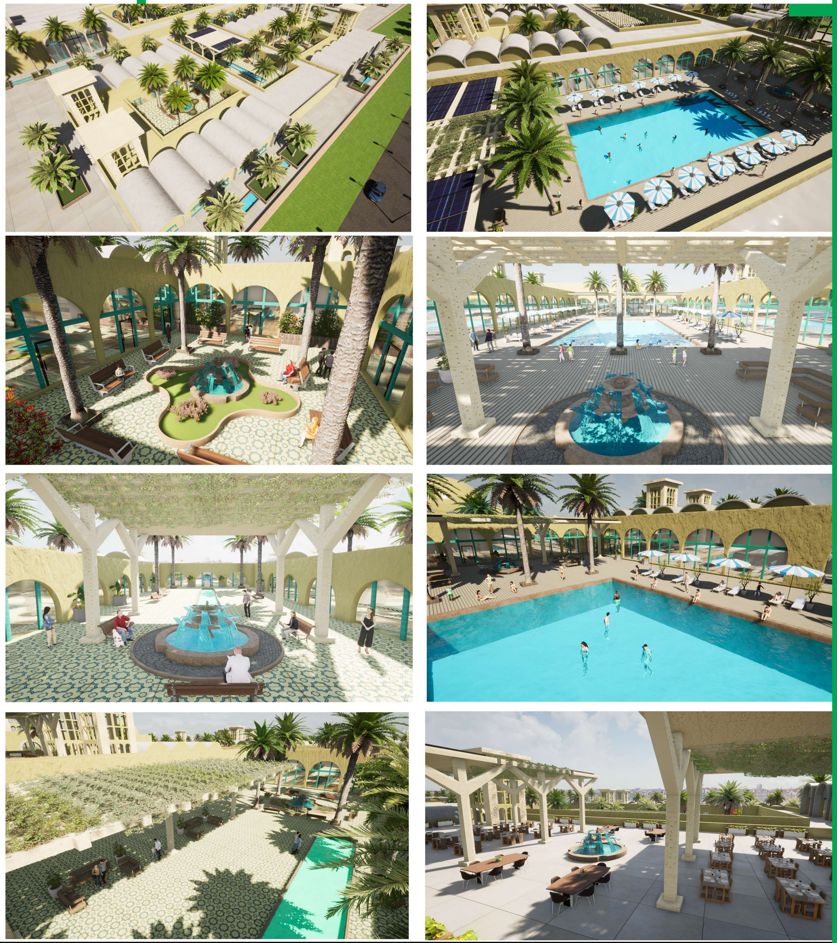


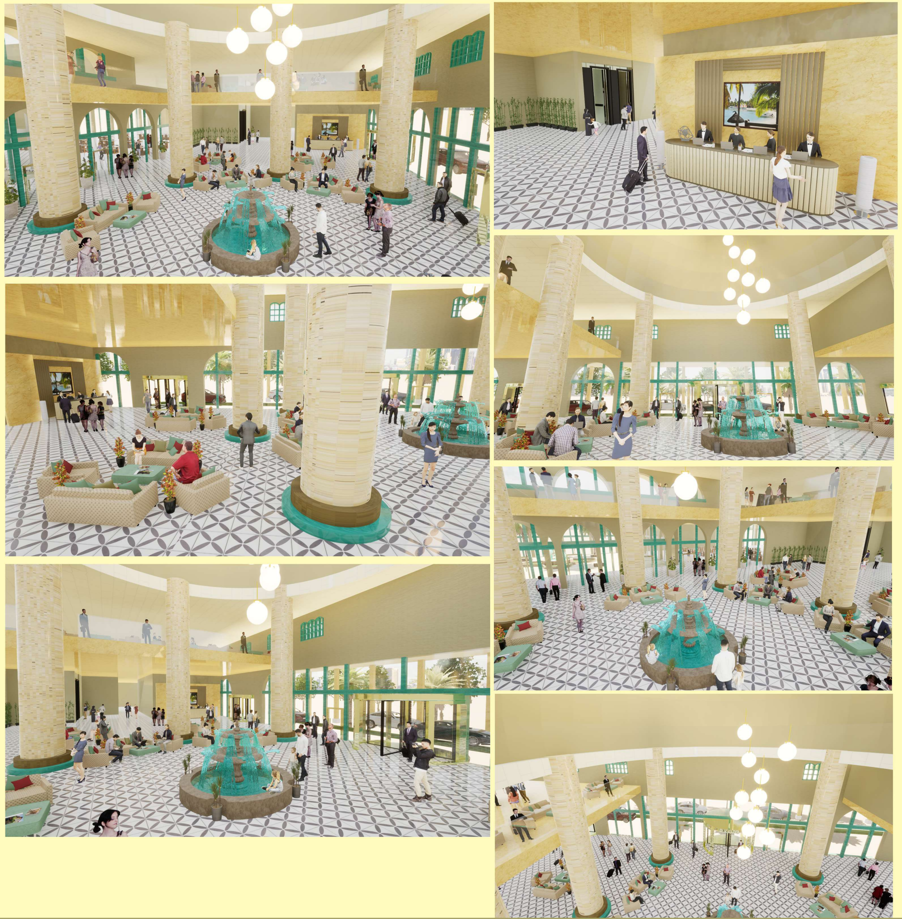






# hots



# Interior Shots