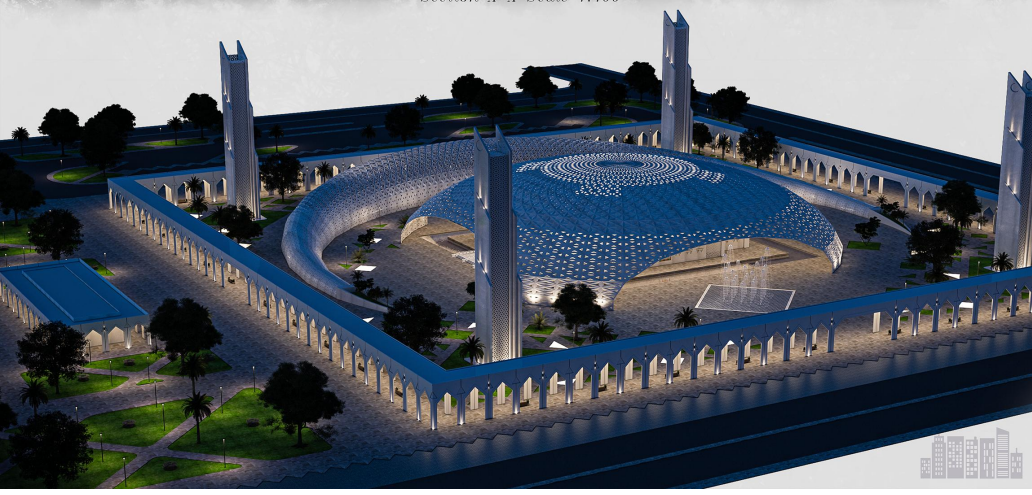


Section A-A Scale 1:100



### Project Idea

Choosing a miqat is Yammlam because it lacks many elements that increase the comfort of pilgrims and pilgrims coming from the southern regions of Saudi Arabia and Yemen. The main objective of the project is to design a miqat that meets the needs of the pilgrims with modern standards and in line with Vision 2030.



Design concept

arcade shape



Environmental studies



Project development stages



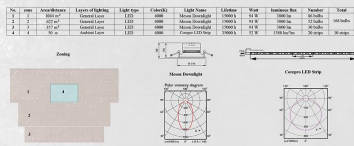
Rainwater harvesting

solar energy

Sustainability Studies

Reverberation Time Calculation (RT) - V=19140 m³				
Serial	Item	Area Name	Description	Factor
1	Walls	Iron Wall	510 m²	0.01
2	Walls	Stucco Wall	1180 m²	0.01
3	Walls	Stucco Wall	2152 m²	0.01
4	Walls	Block Wall	4852 m²	0.01
5	Walls	Up door	93 m²	0.1
6	Walls	Iron Wall	624 m²	0.01
7	Walls	Stucco Wall	2614 m²	0.01
8	Walls	Stucco Wall	712 m²	0.01
9	Walls	Block Wall	58 m²	0.02
10	Windows	Window	360 m²	0.1
11	Windows	Stucco	2752 m²	0.1
12	Ceiling	AI	14590 m²	0.08
13	Ceiling	AI	222 m²	0.02
14	Flooring	AI	14590 m²	0.06
15	Flooring	AI	282 m²	0.02
Summation				0.26
Reverberation Time (RT) sec				1.11

Acoustics Studies



Lighting Studies



Structure System Studies



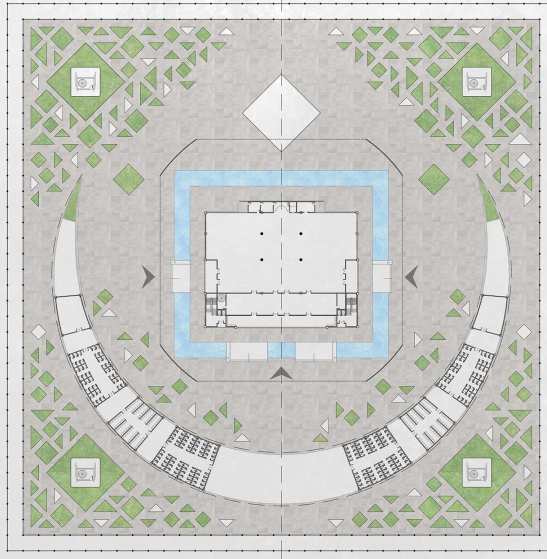
HVAC Studies

Room	Area (m²)	Volume (m³)	Load (kW)	Load (TR)
Room 1	100	300	1.0	0.3
Room 2	200	600	2.0	0.6
Room 3	300	900	3.0	0.9
Room 4	400	1200	4.0	1.2
Room 5	500	1500	5.0	1.5
Room 6	600	1800	6.0	1.8
Room 7	700	2100	7.0	2.1
Room 8	800	2400	8.0	2.4
Room 9	900	2700	9.0	2.7
Room 10	1000	3000	10.0	3.0

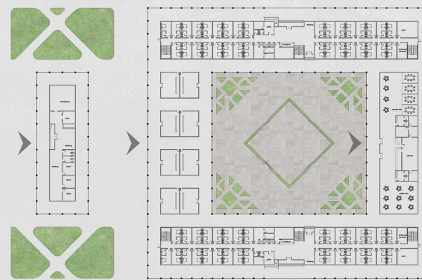
First floor plan for Motels Scale 1:400



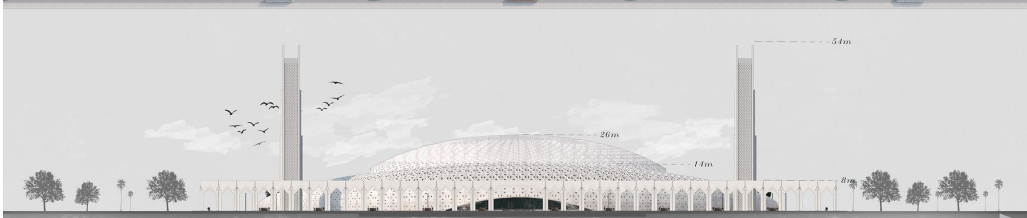
Site plan Scale 1:1000



Ground floor plan Mosque and services Scale 1:400



Ground floor plan for Motels and services Scale 1:400



South East Elevation Scale 1:400